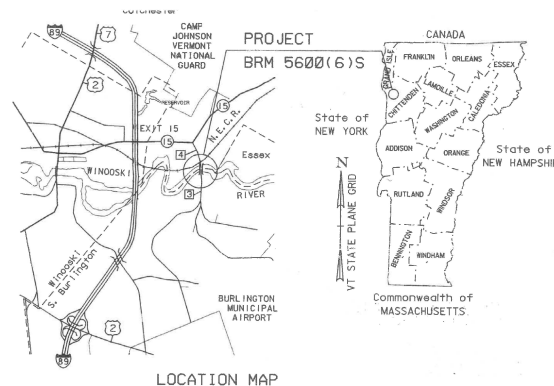


STATE OF VERMONT  
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT  
BRIDGE PROJECT

TOWN OF COLCHESTER AND CITY OF SOUTH BURLINGTON  
COUNTY OF CHITTENDEN  
TH 4/3 (URBAN MINOR ARTERIAL), BRIDGE NO. 6  
LIME KILN BRIDGE



R.O.W. PLANS

BEGIN R.O.W. PROJECT  
BRM 5600 (6) S C/2  
STA. 10+021.87 9.14M(30.0') LT.

END R.O.W. PROJECT  
BRM 5600 (6) S C/2  
STA. 10+679.5 CL

PROJECT LOCATION: BEGINNING AT A POINT ON TH 3, 0.635 KM SOUTH OF VT 15/TH 4 INTERSECTION AND EXTENDING NORTHERLY 0.570 KM.

PROJECT DESCRIPTION: CONSTRUCTION OF A NEW CONCRETE ARCH BRIDGE WITH RELATED ROADWAY WORK AND REMOVAL OF AN EXISTING CONCRETE ARCH BRIDGE.

LENGTH OF STRUCTURE: 90.96 M

LENGTH OF ROADWAY: 479.09 M

LENGTH OF PROJECT: 570.00 M

LENGTH OF R.O.W. PROJECT: 657.6M (2,157') ±

BEGIN MAINTENANCE  
AGREEMENT ZONE NO. 1  
10+667.4 CL,  
LENGTH 12.1M (39.7')

END APPROACH  
STA 10+645.000  
MATCH EXISTING

END MAINTENANCE  
AGREEMENT ZONE NO. 1  
10+679.5 CL

BEGIN PROJECT  
STA 10+045.000

BEGIN APPROACH  
STA 10+000.000  
MATCH EXISTING

BEGIN BRIDGE  
STA 10+310.400

END BRIDGE  
STA 10+401.360

END PROJECT  
STA 10+615.000

CONVENTIONAL SYMBOLS

|                    |           |
|--------------------|-----------|
| COUNTY LINE        | — — — — — |
| TOWN LINE          | — — — — — |
| LIMITS OF ACCESS   | — — — — — |
| POINT OF ACCESS    | X         |
| FENCE LINE         | — — — — — |
| STONE WALL         | — — — — — |
| TRAVELED WAY       | — — — — — |
| GUARD RAIL         | — — — — — |
| RAILROAD           | — — — — — |
| SURVEY LINE        | — — — — — |
| CULVERT            | — — — — — |
| POWER POLE         | — — — — — |
| TELEPHONE POLE     | — — — — — |
| TREES              | — — — — — |
| CONTROL OF ACCESS  | — — — — — |
| PROPERTY LINE      | — — — — — |
| R.O.W. TAKING LINE | — — — — — |
| SLOPE RIGHTS       | — — — — — |
| TOP OF CUT         | — — — — — |
| TOE OF SLOPE       | — — — — — |

SURVEYED BY: EIV TECHNICAL SERVICES, LLC  
VERMONT AGENCY OF TRANSPORTATION  
SURVEYED DATE: 6/97, 11/02  
2/02, 11/02

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (1992)

PLAN

SCALE: 1"=2000

0 40 80 120  
SCALE IN METERS

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

**Metric**

UNLESS NOTED OTHERWISE  
STATIONS ARE IN KILOMETERS  
ELEVATIONS ARE IN METERS  
DIMENSIONS ARE IN MILLIMETERS

APPROVED: DAVID J. SCOTT DATE 9-15-03  
Director of Project Development

APPROVED: ALLEN N. BLAKE DATE 9-15-03  
Chief of Right of Way

COLCHESTER-SOUTH BURLINGTON  
BRM 5600 (6) S C/2  
R.O.W. SHEET 1 OF 21 SHEETS

MAY 12 2010

04D216R.Cr5 August 31, 2007

### Coordinate Report

#### Colchester-S.Burlington BRM 5600(6)

Surveyed By: L.Orvis PC/G.Hitchcock,R.Bockus

Note: Bounds set are iron pins with cap stamped "LS451 BRM 5600(6)"

BNDNS = Iron Pin NOT Set

#### Bounds and IP found

| Pt Name | Northing    | Easting     | Desc. |
|---------|-------------|-------------|-------|
| 1000    | 221504.4555 | 447284.2083 | BND   |
| 1001    | 221514.4145 | 447300.2939 | BND   |
| 1002    | 221349.0118 | 447324.1405 | BND   |
| 1003    | 221340.1535 | 447310.6700 | BND   |
| 1004    | 221338.6750 | 447310.8367 | BND   |
| 1005    | 221195.7360 | 447454.1750 | IP    |
| 1006    | 221251.5925 | 447446.5144 | IP    |
| 1019    | 221121.4395 | 447415.4875 | IP    |
| 1020    | 221098.1909 | 447344.3891 | IP    |
| 1021    | 221099.4313 | 447325.3343 | IP    |
| 1022    | 221105.4898 | 447319.8336 | IP    |
| 1023    | 220936.4310 | 447332.1607 | IP    |
| 1024    | 220934.0498 | 447286.8567 | IP    |
| 1025    | 220816.7924 | 447315.8955 | BND   |
| 1026    | 221306.0972 | 447261.6204 | BND   |
| 1027    | 221249.4698 | 447120.7102 | IP    |

#### ROW Bounds - set

| Pt Name | Northing    | Easting     | Desc.                          |
|---------|-------------|-------------|--------------------------------|
| 315     | 221,101.610 | 447,364.817 | 10+156.170 14.42RT BND         |
| 316     | 221,098.166 | 447,341.057 | 10+151.550 9.14LT BND          |
| 317     | 221,119.251 | 447,342.105 | 10+172.660 9.14LT BND          |
| 321     | 221,323.566 | 447,340.618 | 10+377.590 7.62RT BND          |
| 322     | 221,328.066 | 447,346.241 | 10+381.410 13.72RT BND         |
| 323     | 221,364.005 | 447,342.054 | 10+417.590 13.72RT DH          |
| 324     | 221,376.326 | 447,340.625 | 10+430.000 13.72RT BND         |
| 325     | 221,375.625 | 447,334.567 | 10+430.000 7.62RT BND          |
| 326     | 221,404.527 | 447,331.205 | 10+459.100 7.62RT BND          |
| 327     | 221,519.220 | 447,279.970 | 10+582.380 7.62RT BND          |
| 328     | 221,518.655 | 447,279.254 | 10+582.380 6.71RT BND          |
| 330     | 221,498.374 | 447,270.430 | 10+571.980 12.81LT BND         |
| 331     | 221,513.423 | 447,258.946 | 10+590.250 12.67LT BND         |
| 332     | 221,544.871 | 447,262.730 | 10+614.890 6.71RT BND          |
| 333     | 221,544.989 | 447,264.215 | 10+614.310 8.10RT BND          |
| 334     | 221,588.295 | 447,229.220 | 10+667.420 10.67LT WIT Not set |
| 335     | 221,509.613 | 447,287.598 | 10+570.110 7.62RT BND          |
| 337     | 221,497.493 | 447,268.437 | 10+572.530 14.92LT BND         |

M:\PROJECTS\870139\RIGHTOFWAY\CORR.REPORT.DGN

PROJECT NAME: COLCHESTER-SOUTH BURLINGTON

PROJECT NUMBER: BRM 5600(6) S C/2

FILE NAME:

PROJECT LEADER:

DESIGNED BY:

PLOT DATE: 27-AUG-2008

DRAWN BY: MR

SHEET 1A OF 21

MAY 12 2010

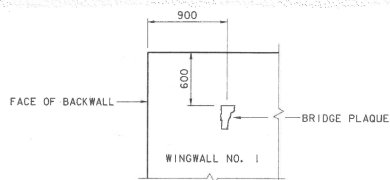


# INDEX OF SHEETS

|       |                                  |
|-------|----------------------------------|
| 1     | TITLE SHEET                      |
| 2     | PRELIMINARY INFORMATION SHEET    |
| 3     | ROADWAY TYPICAL SECTIONS - SOUTH |
| 4     | ROADWAY TYPICAL SECTIONS - NORTH |
| 5     | NOTES AND TYPICAL DETAILS        |
| 6-10  | PLAN                             |
| 11    | PARKING AREA PLAN                |
| 12    | PATH & LOOKOUT PLAN & TYPICALS   |
| 13-14 | DRAINAGE & SEWER NOTES/DETAILS   |
| 15-19 | PROFILE                          |
| 20    | TRAFFIC SIGN SUMMARY             |
| 21    | TRAFFIC CONTROL PLAN             |
| 22    | BORING INFORMATION SHEET         |
| 23-26 | BORING LOGS                      |
| 27    | BRIDGE PLAN & ELEVATION          |
| 28-30 | EROSION CONTROL PLAN             |
|       | VERMONT GAS SYSTEM DETAILS       |
|       | ROADWAY SECTIONS                 |

# STANDARDS

|       |         |         |         |        |          |
|-------|---------|---------|---------|--------|----------|
| A-62M | 6-13-97 | D-20M   | 6-13-97 | E-142M | 6-13-97  |
| B-5M  | 1-3-00  | D-22M   | 6-13-97 | E-143M | 6-13-97  |
| B-11M | 6-13-97 | E-100AM | 2-2-98  | E-144M | 3-29-99  |
| B-71M | 3-1-01  | E-100M  | 6-13-97 | E-150M | 6-13-97  |
| C-1M  | 1-3-00  | E-101M  | 6-13-97 | E-160M | 6-13-97  |
| C-2AM | 1-3-00  | E-102AM | 6-13-97 | E-191M | 2-1-99   |
| C-3M  | 1-3-00  | E-102M  | 6-13-97 | E-192M | 12-28-98 |
| D-2M  | 6-13-97 | E-105M  | 6-13-97 | E-193M | 6-13-97  |
| D-3M  | 6-13-97 | E-107M  | 6-13-97 | G-10M  | 1-3-00   |
| D-4M  | 6-13-97 | E-107AM | 6-13-97 | G-1M   | 1-3-00   |
| D-11M | 6-13-97 | E-109M  | 6-13-97 | G-18M  | 6-13-97  |
| D-13M | 1-3-00  | E-110M  | 6-13-97 | T-1M   | 6-13-97  |
| D-15M | 6-13-97 | E-121M  | 6-13-97 | T-2M   | 6-13-97  |
| D-16M | 6-13-97 | E-124M  | 6-13-97 |        |          |
| D-17M | 6-13-97 | E-141M  | 6-13-97 |        |          |



VIEW A-A

THE BRIDGE PLAQUE SHALL BE SUPPLIED BY THE AGENCY OF TRANSPORTATION AND INSTALLED BY THE CONTRACTOR AT WINGWALL NO. 1 AS SHOWN OR AS DIRECTED BY THE ENGINEER.

# BRIDGE PLAQUE LOCATION

NOT TO SCALE

# FINAL HYDRAULICS REPORT



# HYDROLOGIC DATA \*

DRAINAGE AREA \_\_\_\_\_  
 CHARACTER OF TERRAIN \_\_\_\_\_  
 CHARACTER & TYPE OF STREAM \_\_\_\_\_  
 NATURE OF STREAMBED \_\_\_\_\_  
 Q2,33= \_\_\_\_\_ Q50= \_\_\_\_\_  
 Q10= \_\_\_\_\_ Q100= \_\_\_\_\_  
 Q25= \_\_\_\_\_ Q500= \_\_\_\_\_  
 DATE OF FLOOD OF RECORD \_\_\_\_\_  
 WATER SURFACE ELEV. \_\_\_\_\_ ESTIMATED DISCHARGE \_\_\_\_\_  
 NATURAL STREAM VELOCITY @ Q \_\_\_\_\_  
 ICE CONDITIONS \_\_\_\_\_ DEBRIS \_\_\_\_\_  
 DOES THE STREAM REACH MAXIMUM HIGHWATER ELEVATION RAPIDLY? \_\_\_\_\_  
 IS ORDINARY RISE RAPID? \_\_\_\_\_  
 IS STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS? \_\_\_\_\_  
 IF YES, DESCRIBE \_\_\_\_\_  
 WATERSHED STORAGE \_\_\_\_\_ HEADWATERS \_\_\_\_\_ UNIFORM THROUGHOUT WATERSHED \_\_\_\_\_  
 IMMEDIATELY ABOVE SITE \_\_\_\_\_

# EXISTING STRUCTURE \*

STRUCTURE TYPE \_\_\_\_\_ REINFORCED CONCRETE ARCH \_\_\_\_\_ YEAR BUILT \_\_\_\_\_ 1913 \_\_\_\_\_  
 CLEAR SPAN (NORMAL TO STREAM) \_\_\_\_\_ 28.5 m \_\_\_\_\_  
 VERTICAL CLEARANCE ABOVE STREAMBED \_\_\_\_\_ 29.6 m \_\_\_\_\_  
 WATERWAY OF FULL OPENING \_\_\_\_\_ N/A \_\_\_\_\_  
 DISPOSITION OF STRUCTURE \_\_\_\_\_ HISTORICAL ARCH OVER ROCK GORGE TO BE REPLACED \_\_\_\_\_  
 TYPE OF MATERIAL UNDER SUBSTRUCTURE \_\_\_\_\_ ROCK (PRIMARILY LIMESTONE AND DOLOMITIC MARBLE OF THE SHELBURNE FORMATION) \_\_\_\_\_  
 WATER SURFACE ELEV. @ Q2,33= \_\_\_\_\_ VELOCITY \_\_\_\_\_  
 Q10= 62.1 m \_\_\_\_\_  
 Q25= \_\_\_\_\_  
 Q50= 63.5 m \_\_\_\_\_  
 Q100= 64.5 m \_\_\_\_\_  
 LONG TERM STREAM BED CHANGES \_\_\_\_\_ UNKNOWN \_\_\_\_\_  
 IS THE ROADWAY OVERTOPPED BELOW THE Q100? \_\_\_\_\_ NO \_\_\_\_\_ FREQUENCY \_\_\_\_\_  
 RELIEF ELEVATION UNKNOWN DISCHARGE OVER ROAD @ Q100 \_\_\_\_\_ UNKNOWN \_\_\_\_\_  
 UPSTREAM STRUCTURE \_\_\_\_\_ TOWN \_\_\_\_\_ DISTANCE \_\_\_\_\_  
 HIGHWAY NO. \_\_\_\_\_ STRUCTURE NO. \_\_\_\_\_  
 STRUCTURE TYPE \_\_\_\_\_  
 CLEAR SPAN \_\_\_\_\_ CLEAR HEIGHT \_\_\_\_\_  
 YEAR BUILT \_\_\_\_\_ FULL WATERWAY \_\_\_\_\_  
 DOWNSTREAM STRUCTURE \_\_\_\_\_ TOWN \_\_\_\_\_ DISTANCE \_\_\_\_\_  
 HIGHWAY NO. \_\_\_\_\_ STRUCTURE NO. \_\_\_\_\_  
 STRUCTURE TYPE \_\_\_\_\_  
 CLEAR SPAN \_\_\_\_\_ CLEAR HEIGHT \_\_\_\_\_  
 YEAR BUILT \_\_\_\_\_ FULL WATERWAY \_\_\_\_\_

# PROPOSED STRUCTURE \*

STRUCTURE TYPE \_\_\_\_\_ REINFORCED CONCRETE ARCH (SEE NOTE 2) \_\_\_\_\_  
 CLEAR SPAN (NORMAL TO STREAM) \_\_\_\_\_  
 VERTICAL CLEARANCE ABOVE STREAMBED \_\_\_\_\_  
 WATERWAY OF FULL OPENING \_\_\_\_\_  
 WATER SURFACE ELEV. @ Q2,33= \_\_\_\_\_ VELOCITY \_\_\_\_\_  
 Q10= \_\_\_\_\_  
 Q25= \_\_\_\_\_  
 Q50= \_\_\_\_\_  
 Q100= \_\_\_\_\_  
 IS THE ROADWAY OVERTOPPED BELOW THE Q100? \_\_\_\_\_ FREQUENCY \_\_\_\_\_  
 RELIEF ELEVATION \_\_\_\_\_ DISCHARGE OVER ROAD @ Q100 \_\_\_\_\_  
 AVERAGE LOW ELEVATION OF SUPERSTRUCTURE \_\_\_\_\_  
 VERTICAL CLEARANCE @ Q \_\_\_\_\_  
 SCOUR/PILE AND ABUTMENTS TO BE FOUNDED ON BEDROCK \_\_\_\_\_  
 REQUIRED CHANNEL PROTECTION \_\_\_\_\_

# PERMIT INFORMATION

AVERAGE DAILY FLOW \_\_\_\_\_  
 ORDINARY LOW WATER \_\_\_\_\_ DEPTH \_\_\_\_\_  
 ORDINARY HIGH WATER \_\_\_\_\_ DEPTH \_\_\_\_\_

# ADDITIONAL COMMENTS \*

1. HYDRAULIC AND HYDROLOGIC INFORMATION IS FROM THE FEMA FLOOD INSURANCE STUDY FOR THE TOWN OF COLCHESTER, SEPTEMBER 1, 1981 AND THE CITY OF SOUTH BURLINGTON, SEPTEMBER 16, 1980. ADDITIONAL ANALYSES WERE NOT CONDUCTED AT THIS SITE.
2. HYDRAULIC CONDITIONS WILL NOT CHANGE FOR THE NEW STRUCTURE.



# DESIGN CRITERIA:

1. DESIGN LIVE LOAD AASHTO \_\_\_\_\_ MS 22.5 \_\_\_\_\_
2. DESIGN SPAN \_\_\_\_\_ 19 m, 40.5 m, 31.28 m \_\_\_\_\_
3. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL \_\_\_\_\_ 190 KPa \_\_\_\_\_ ON LEDGE \_\_\_\_\_ 500 KPa \_\_\_\_\_
4. ALLOWABLE LOAD FOR PILING \_\_\_\_\_ N/A \_\_\_\_\_ TYPE \_\_\_\_\_ ESTIMATED LENGTH \_\_\_\_\_
5. STRUCTURAL STEEL \_\_\_\_\_ N/A \_\_\_\_\_
6. REINFORCING STEEL \_\_\_\_\_ GRADE 420 \_\_\_\_\_
7. CONCRETE CLASS A \_\_\_\_\_ f<sub>c</sub> \_\_\_\_\_ 30 MPa \_\_\_\_\_  
 CLASS B \_\_\_\_\_ f<sub>c</sub> \_\_\_\_\_ 25 MPa \_\_\_\_\_  
 SILICA FUME f<sub>c</sub> \_\_\_\_\_ 35 MPa \_\_\_\_\_

# TRAFFIC MAINTENANCE:

1. IS TRAFFIC TO BE MAINTAINED? \_\_\_\_\_ YES \_\_\_\_\_ IF YES, ON EXISTING STRUCTURE \_\_\_\_\_ YES \_\_\_\_\_ OR ON TEMPORARY BRIDGE \_\_\_\_\_ - \_\_\_\_\_
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY \_\_\_\_\_ - \_\_\_\_\_ TRAFFIC CONTROL SIGNALS REQUIRED \_\_\_\_\_ NO \_\_\_\_\_  
 MINIMUM CLEAR SPAN (NORMAL TO STREAM) \_\_\_\_\_ VERTICAL CLEARANCE ABOVE STREAMBED \_\_\_\_\_  
 WATERWAY OF FULL OPENING \_\_\_\_\_  
 ARE SIDEWALKS REQUIRED? \_\_\_\_\_ IF SO, ON WHAT SIDE? \_\_\_\_\_  
 STRUCTURE TYPE \_\_\_\_\_

# LOAD FACTOR LOAD RATING (METRIC TONNES)

| LOADING LEVELS    |  | TRUCK |     |     |        |         |         |
|-------------------|--|-------|-----|-----|--------|---------|---------|
| LOAD FACTOR       |  | M     | MS  | 352 | 6 AXLE | 3A STR. | 4A STR. |
| INVENTORY         |  |       |     |     |        |         | 5A SEMI |
| A = 2.17 B = 1.00 |  | ---   | --- | --- | ---    | ---     | ---     |
| POSTED            |  | ---   | --- | --- | ---    | ---     | ---     |
| A = 1.55 B = 1.40 |  | ---   | --- | --- | ---    | ---     | ---     |
| OPERATING         |  | ---   | --- | --- | ---    | ---     | ---     |
| A = 1.30 B = 1.67 |  | ---   | --- | --- | ---    | ---     | ---     |

$$STRENGTH RF = \frac{R}{M_{LL}} = 1.3 \frac{M_{UL}}{M_{LL}}$$

$$SERVICEABILITY RF = \frac{95F_{SLL} - M_{UL} - \frac{M_{UL}}{1.67} - M_{UL}}{A \times M_{LL}}$$

TRAFFIC DATA - TH 4/3

|                 |                   |                            |
|-----------------|-------------------|----------------------------|
| 2004 ADT = 7500 | 2024 ADT = 10,000 | 2004-2024 ESAL'S 1,554,000 |
| 2004 DHV = 940  | 2024 DHV = 1115   | 2004-2024 ESAL'S 3,645,000 |
| 2004 ADTT = 225 | 2024 ADTT = 300   | DESIGN SPEED = 50 KM/H     |
| 2024 2D = 65    |                   |                            |
| 2024 2T = 3     |                   |                            |

# STATE OF VERMONT AGENCY OF TRANSPORTATION

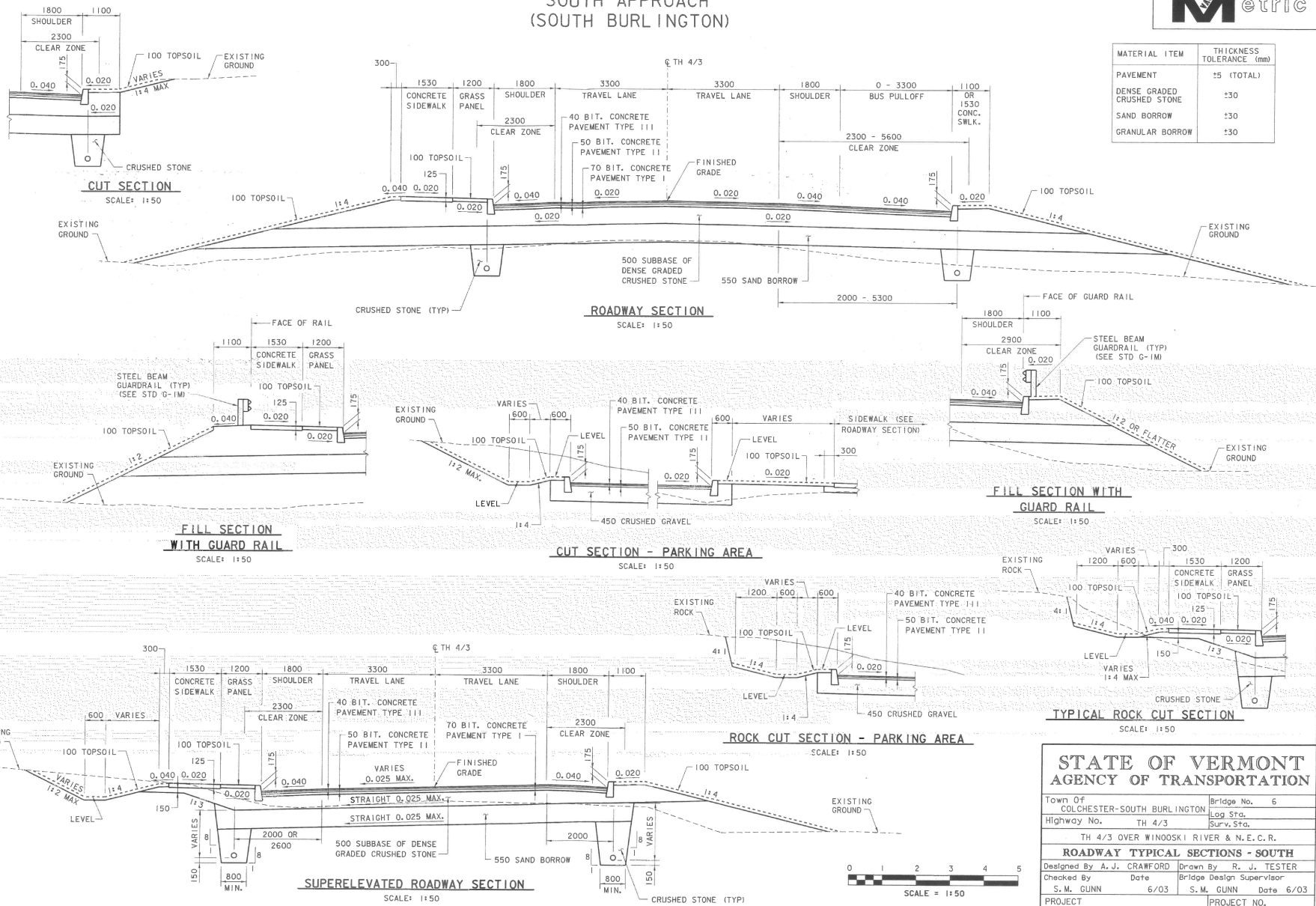
Town Of \_\_\_\_\_ Bridge No. \_\_\_\_\_ 6 \_\_\_\_\_  
 COLCHESTER-SOUTH BURLINGTON \_\_\_\_\_ Log Sta. \_\_\_\_\_  
 Highway No. \_\_\_\_\_ TH 4/3 \_\_\_\_\_ Surv. Sta. \_\_\_\_\_

TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.

# PRELIMINARY INFORMATION SHEET

Designed By \_\_\_\_\_ M.A. COLGAN \_\_\_\_\_ Drawn By \_\_\_\_\_ B.J. MASSE \_\_\_\_\_  
 Checked By \_\_\_\_\_ Date \_\_\_\_\_ Bridge Design Supervisor \_\_\_\_\_  
 S.M. GUNN \_\_\_\_\_ 6/03 \_\_\_\_\_ S.M. GUNN \_\_\_\_\_ Date 6/03 \_\_\_\_\_  
 PROJECT \_\_\_\_\_ COLCHESTER-SOUTH BURLINGTON \_\_\_\_\_ PROJECT NO. \_\_\_\_\_  
 COLCHESTER-SOUTH BURLINGTON \_\_\_\_\_ BRM 5600 (6) S C/2 \_\_\_\_\_  
 L.G.C. Info. \_\_\_\_\_  
 Bridge Sheet No. \_\_\_\_\_ ZD139P1 \_\_\_\_\_ R.O.W. SHEET 2 OF 21 \_\_\_\_\_

VANASSE HANGEN BRUSTLIN, INC.



# STATE OF VERMONT AGENCY OF TRANSPORTATION

|                                       |  |                                    |  |
|---------------------------------------|--|------------------------------------|--|
| Town Of COLCHESTER-SOUTH BURLINGTON   |  | Bridge No. 6                       |  |
| Highway No. TH 4/3                    |  | Log Sta. _____<br>Surv. Sta. _____ |  |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R. |  |                                    |  |
| <b>ROADWAY TYPICAL SECTIONS - S-S</b> |  |                                    |  |
| Designed By A. J. CRAWFORD            |  | Drawn By R. J. TESTER              |  |
| Checked By _____ Date _____           |  | Bridge Design Supervisor _____     |  |
| S. M. GUNN 6/03                       |  | S. M. GUNN date 6/03               |  |
| PROJECT COLCHESTER-SOUTH BURLINGTON   |  | PROJECT NO. BRM 5600 (6) S C/2     |  |
| I.G.C. info.                          |  |                                    |  |
| Bridge Sheet No. ZD139TYP1            |  | R. O. W. SHEET 3 OF 21             |  |

CH 4/3



Bridge Sheet No. ZD139TYP2 R.O.W. SHEET 4 OF 21

## DRAINAGE NOTES

- 1 STA 10+055, LT 5.9 m - STA 10+100, LT 4.8 m  
150 x 45.9 m UNDERDRAIN  
INV. AT STA 10+055 = 77.457  
FLUSHING BASIN, +055, LT 5.9 m

- 2 STA 10+055, RT 5.3 m - STA 10+100, RT 4.8 m  
150 x 45.3 m UNDERDRAIN  
INV. AT STA 10+055 = 77.865  
FLUSHING BASIN, +055, RT 5.3 m

- 3 DRIVE CULVERT  
STA 10+072, LT 10.8 m - STA 10+087, LT 10.9 m  
375 x 15.0 m PCCSP, CAAP, OR CPEP  
CSP OR CAAP END SECTION AT STA 10+072, LT 10.8 m  
INV. AT STA 10+072 = 78.500  
CSP OR CAAP END SECTION AT STA 10+087, LT 10.9 m  
INV. AT STA 10+087 = 78.394

- 4 INLET PIPE  
STA 10+100, LT 10.4 m - LT 4.8 m  
450 x 5.3 m PCCSP, CAAP, OR CPEP  
CSP OR CAAP END SECTION AT STA 10+100, LT 10.4 m  
INV. AT STA 10+100 = 78.170

- 5 STA 10+100, RT 4.8 m - LT 4.8 m  
350 x 575 x 9.0 m RCP (111) ELLIPTICAL PIPE (NO OPTION)  
RC - DI WITH GRATE, TYPE E AT STA 10+100, RT 4.8 m  
RIM EL. = 79.012  
INV. IN (S) = 77.640 (150 UND)  
INV. OUT (W) = 77.564

- 6 STA 10+100, LT 4.8 m - STA 10+168, LT 4.8 m  
450 x 67.4 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+100, LT 4.8 m  
RIM EL. = 79.012  
INV. IN (S) = 77.158 (150 UND)  
INV. IN (W) = 77.610  
INV. IN (E) = 77.480  
INV. OUT (N) = 76.966

- 7 STA 10+102, RT 5.3 m - STA 10+147, RT 8.1 m  
150 x 46.3 m UNDERDRAIN  
INV. AT STA 10+102 = 76.982  
FLUSHING BASIN, +102, RT 5.3 m

- 8 STA 10+102, LT 5.9 m - STA 10+168, LT 4.8 m  
150 x 66.9 m UNDERDRAIN  
INV. AT STA 10+102 = 77.109  
FLUSHING BASIN, +102, LT 5.9 m

- 9 STA 10+168, RT 4.8 m - LT 4.8 m  
450 x 9.0 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+168, RT 4.8 m  
RIM EL. = 78.045  
INV. IN (S) = 76.552  
INV. OUT (W) = 76.521

- 10 STA 10+147, RT 8.1 m - STA 10+168, LT 4.8 m  
450 x 20.4 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+147, RT 8.1 m  
RIM EL. = 78.175  
INV. IN (S) = 76.876 (150 UND)  
INV. OUT (N) = 76.803

- 11 STA 10+178, LT 5.9 m - STA 10+220, LT 4.8 m  
150 x 41.3 m UNDERDRAIN  
INV. AT STA 10+178 = 76.199  
FLUSHING BASIN, +178, LT 5.9 m

- 12 STA 10+170, RT 5.3 m - STA 10+220, RT 4.8 m  
150 x 51.1 m UNDERDRAIN  
INV. AT STA 10+170 = 76.233  
FLUSHING BASIN, +170, RT 5.3 m

- 13 STA 10+168, LT 4.8 m - STA 10+196, LT 10.1 m  
450 x 27.1 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+168, LT 4.8 m  
RIM EL. = 77.992  
INV. IN (W) = 76.529 (150 UND.)  
INV. IN (S) = 76.364  
INV. IN (E) = 76.364  
INV. OUT (N) = 76.288

- 14 STA 10+196, LT 10.1 m - STA 10+211, LT 11.2 m  
450 x 13.4 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - CB WITH GRATE, TYPE A AT  
STA 10+196, LT 10.1 m  
RIM EL. = 77.333  
INV. IN (S) = 75.806  
INV. OUT (N) = 75.775

- 15 STA 10+211, LT 11.2 m - STA 10+272, LT 14.3 m  
450 x 59.0 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - CB WITH GRATE, TYPE D AT  
STA 10+211, LT 11.2 m  
RIM EL. = 77.159  
INV. IN (S) = 75.641  
INV. OUT (N) = 75.610

- 16 STA 10+193.4, LT 4.8 m - STA 10+220, LT 4.8 m  
450 x 25.7 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT  
STA 10+193.4, LT 4.8 m  
RIM EL. = 77.606  
INV. OUT (N) = 75.742

- 17 STA 10+270, LT 5.3 m - STA 10+220, LT 4.8 m  
150 x 53.6 m UNDERDRAIN  
INV. AT STA 10+270 = 76.471  
FLUSHING BASIN, +270, LT 5.3 m

- 18 STA 10+220, RT 4.8 m - LT 4.8 m  
450 x 9.0 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE D AT  
STA 10+220, RT 4.8 m  
RIM EL. = 77.510  
INV. IN (N) = 75.966 (150 UND)  
INV. IN (S) = 75.966 (150 UND)  
INV. OUT (W) = 75.681

- 19 STA 10+270, RT 5.3 m - STA 10+220, RT 4.8 m  
150 x 50.2 m UNDERDRAIN  
INV. AT STA 10+270 = 76.300  
FLUSHING BASIN, +270, RT 5.3 m

- 20 STA 10+220, LT 4.8 m - STA 10+256.2, LT 8.5 m  
450 x 35.1 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE D AT  
STA 10+220, LT 4.8 m  
RIM EL. = 77.354  
INV. IN (S) = 75.498  
INV. IN (W) = 75.776 (150 UND.)  
INV. IN (N) = 75.776 (150 UND.)  
INV. IN (E) = 75.597  
INV. OUT (N) = 75.467

- 21 STA 10+301, RT 5.9 m - STA 10+272, RT 4.8 m  
150 x 29.3 m UNDERDRAIN  
INV. AT STA 10+301 = 77.657  
FLUSHING BASIN, +301, RT 5.9 m

- 22 STA 10+303, RT 4.8 m - STA 10+272, RT 4.8 m  
450 x 30.1 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT  
STA 10+303, RT 4.8 m  
RIM EL. = 79.747  
INV. IN (W) = 77.750  
INV. OUT (S) = 77.719

- 23 STA 10+303, LT 4.8 m - RT 4.8 m  
450 x 9.0 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+303, LT 4.8 m  
RIM EL. = 79.747  
INV. OUT (E) = 77.918

- 24 STA 10+272, RT 4.8 m - LT 5.0 m  
450 x 8.9 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - CB WITH GRATE, TYPE E AT STA 10+272, RT 4.8 m  
RIM EL. = 78.376  
INV. IN (E) = 76.652 (150 UND.)  
INV. IN (N) = 76.527  
INV. OUT (W) = 76.310

- 25 STA 10+301, LT 5.3 m - STA 10+272, LT 5.0 m  
150 x 29.0 m UNDERDRAIN  
INV. AT STA 10+301 = 77.657  
FLUSHING BASIN, +301, LT 5.3 m

- 26 STA 10+256.2, LT 8.5 m - STA 10+272, LT 14.3 m  
450 x 15.6 m CONCRETE ENCASED RCP (111),  
OR "HEAVY DUTY" CPEP (SL)  
RC - CB WITH GRATE, TYPE D AT STA 10+256.2, LT 8.5 m  
RIM EL. = 77.722  
INV. IN (S) = 75.119  
INV. OUT (N) = 74.357

- 27 STA 10+272, LT 5.0 m - LT 14.3 m  
450 x 8.4 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+272, LT 5.0 m  
RIM EL. = 78.368  
INV. IN (E) = 76.226  
INV. IN (N) = 76.519 (150 UND.)  
INV. OUT (W) = 76.195

- 28 STA 10+272, LT 14.3 m - STA 10+276, LT 14.3 m  
600 x 2.8 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - MH WITH COVER AT STA 10+272, LT 14.3 m  
RIM EL. = 78.190  
INV. IN (S) = 75.020  
INV. IN (SE) = 74.170  
INV. IN (E) = 76.114  
INV. OUT (N) = 74.094

- 29 STA 10+276, LT 14.3 m - STA 10+296, LT 16.4 m  
600 x 13.3 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
PC - STORMCEPTOR UNIT (STC2400) OR EQUAL AT  
STA 10+276, LT 14.3 m  
RIM EL. = 78.160  
INV. IN (S) = 74.038  
INV. OUT (N) = 74.007

- 30 STA 10+296, LT 16.4 m - STA 10+322, LT 18.3 m  
600 x 25.6 m RCP (111) (NO PIPE OPTION)  
RC - DI (750 MIN.) WITH GRATE, TYPE A AT  
STA 10+296, LT 16.4 m  
RIM EL. = 77.372  
INV. IN (S) = 73.851  
INV. OUT (N) = 73.820  
RC HEADWALL AT STA. 10+322, LT 18.3 m  
INV. AT STA. 10+322 = 73.515  
IF OUTLET IS IN BEDROCK, CONST. 1200 WIDE CHANNEL WITH  
4V:1H SIDESLOPES TO POINT WHERE LEDGE DROPS OFF TO RIVER.

- IF OUTLET IS ABOVE BEDROCK, CONST. 3600 WIDE X 1200 DEEP  
STONE FILLED PAD, TYPE II AT OUTLET AND CONST. 1800 WIDE  
CHANNEL WITH 1:2 SIDESLOPES TO POINT WHERE CHANNEL  
DROPS OFF TO RIVER.

- 31 STA 10+423, LT 17.0 m - RT 40.0 m  
450 x 26.4 m PCCSP, CAAP OR CPEP  
PROPOSED PIPE SHALL BE PLACED THROUGH EXISTING  
BINWALL AT LT 10.1 m. ALL COSTS INCIDENTAL TO PIPE.  
RC - HEADWALL AT STA 10+423, LT 17.0 m  
INV. AT STA 10+423, LT = 81.025

- 32 STA 10+540, LT 16.4 m - STA 10+416, LT 16.7 m  
1800 WIDE X 300 DEEP STONE FILL DITCH, TYPE I  
EL. AT STA 10+416 = 81.265  
LOW POINT IN DITCH AT STA 10+423, LT 18.2 m  
EL. AT STA 10+423 = 81.133

- 33 STA 10+590, LT 10.1 m - STA 10+540, LT 16.4 m  
1200 WIDE X 300 DEEP STONE FILL DITCH, TYPE I  
EL. AT STA 10+590 = 95.711  
EL. AT STA 10+540 = 90.547

- 34 STA 10+423, RT 10.0 m - STA 10+420, RT 24.2 m  
450 x 13.9 m PCCSP, CAAP, OR CPEP  
RC - 3.0 m DROP MH WITH COVER AT STA 10+420, RT 10.0 m  
RIM EL. = 83.444  
INV. IN (W) = 78.643  
INV. IN (N) = 81.646  
INV. OUT (E) = 78.567  
CSP OR CAAP END SECTION AT STA 10+420, RT 24.2 m  
INV. AT STA 10+420 = 75.793  
5000 WIDE X 1200 DEEP STONE FILL PAD, TYPE II AT OUTLET  
(SEE SWALE DETAIL "B")

- 35 STA 10+425, RT 7.3 m - STA 10+423, RT 10.0 m  
450 x 1.7 m PCCSP, CAAP, OR CPEP  
PC - STORMCEPTOR UNIT (STC1800) OR EQUAL AT  
STA 10+425, RT 7.3 m  
RIM EL. = 84.884  
INV. IN (N) = 81.749  
INV. OUT (S) = 81.718

- 36 STA 10+428, RT 4.8 m - STA 10+425, RT 7.3 m  
450 x 2.1 m PCCSP, CAAP, OR CPEP  
RC - CB WITH GRATE, TYPE E AT STA 10+428, RT 4.8 m  
RIM EL. = 85.372  
INV. IN (W) = 81.939  
INV. OUT (S) = 81.863

- 37 STA 10+428, LT 4.8 m - RT 4.8 m  
450 x 8.4 m PCCSP, CAAP, OR CPEP  
RC - CB WITH GRATE, TYPE E AT STA 10+428, LT 4.8 m  
RIM EL. = 85.372  
INV. IN (S) = 82.267  
INV. IN (N) = 83.105  
INV. OUT (E) = 82.191

- 38 STA 10+409, LT 4.8 m - STA 10+428, LT 4.8 m  
450 x 18.1 m PCCSP, CAAP, OR CPEP  
RC - DI WITH GRATE, TYPE E AT STA 10+409, LT 4.8 m  
RIM EL. = 84.517  
INV. IN (E) = 82.719  
INV. OUT (N) = 82.668

- 39 STA 10+409, RT 4.8 m - LT 4.8 m  
450 x 9.0 m PCCSP, CAAP, OR CPEP  
RC - DI WITH GRATE, TYPE E AT STA 10+409, RT 4.8 m  
RIM EL. = 84.517  
INV. OUT (W) = 82.884

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

|                                         |                             |                          |             |
|-----------------------------------------|-----------------------------|--------------------------|-------------|
| Town Of                                 | COLCHESTER-SOUTH BURLINGTON | Bridge No.               | 6           |
| Highway No.                             | TH 4/3                      | Log Sta.                 |             |
|                                         |                             | Surv. Sta.               |             |
| TH 4/3 OVER WINDOSKI RIVER & N.E.C.R.   |                             |                          |             |
| DRAINAGE & SEWER NOTES/DETAILS (1 OF 2) |                             |                          |             |
| Designed By                             | S.W. BEKIER                 | Drawn By                 | C.S. MERCER |
| Checked By                              | Date                        | Bridge Design Supervisor |             |
| D.M. PECK                               | 6/03                        | S.M. GUNN                | Date 6/03   |
| PROJECT                                 | PROJECT NO.                 |                          |             |
| COLCHESTER-SOUTH BURLINGTON             | BRM 5600 (6) S C/2          |                          |             |
| I&C Info.                               |                             |                          |             |
| Bridge Sheet No.                        | ZD139DR1                    | R.O.W. SHEET             | 5 OF 21     |

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)

VANASSE HANGEN BRUSTLIN, INC.

# DRAINAGE NOTES (CONT'D)

- 40 STA 10+500, LT 4.8 m - STA 10+428, LT 4.8 m  
450 x 69.6 m PCCSP, CAAP, OR CPEP  
RC - CB WITH GRATE, TYPE E AT STA 10+500, LT 4.8 m  
RIM EL. = 89.969  
INV. IN (E) = 88.111  
INV. IN (N) = 88.111  
INV. OUT (S) = 88.035
- 41 STA 10+500, RT 4.8 m - LT 4.8 m  
450 x 8.7 m PCCSP, CAAP, OR CPEP  
RC - DI WITH GRATE, TYPE E AT  
STA 10+500, RT 4.8 m  
RIM EL. = 90.192  
INV. OUT (W) = 88.363
- 42 STA 10+474, LT 12.6 m - LT 15.6 m  
REMOVE EXISTING CB  
REMOVE EXISTING 305 x 2.4 m PIPE
- 43 STA 10+566, LT 4.8 m - STA 10+500, LT 4.8 m  
450 x 63.3 m PCCSP, CAAP, OR CPEP  
RC - DI WITH GRATE, TYPE E AT STA 10+566, LT 4.8 m  
RIM EL. = 94.987  
INV. IN (N) = 92.987 (150 UND)  
INV. IN (N) = 92.930  
INV. IN (E) = 92.627  
INV. OUT (S) = 92.551
- 44 STA 10+541, LT 4.7 m - STA 10+543, LT 6.7 m  
REMOVE EXISTING CB  
REMOVE EXISTING 305 x 2.2 m PIPE
- 45 STA 10+566, RT 4.8 m - LT 4.8 m  
450 x 9.0 m RCP (111), CAAP, PCCSP OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+566, RT 4.8 m  
RIM EL. = 94.955  
INV. IN (N) = 92.955 (150 UND)  
INV. OUT (W) = 92.879
- 46 STA 10+620, LT 5.5 m - STA 10+566, LT 4.8 m  
450 x 54.4 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+620, LT 5.5 m  
RIM EL. = 96.440  
INV. IN (E) = 94.626  
INV. OUT (S) = 94.950
- 47 STA 10+615, LT 5.3 m - STA 10+566, LT 4.8 m  
150 x 49.9 m UNDERDRAIN  
INV. AT STA 10+615 = 94.418  
FLUSHING BASIN, +615, RT 5.3 m
- 48 STA 10+620, RT 5.3 m - STA 10+566, LT 4.8 m  
150 x 53.9 m UNDERDRAIN  
INV. AT STA 10+620 = 94.468  
FLUSHING BASIN, +620, RT 5.3 m
- 49 STA 10+622, RT 4.8 m - 10+620, LT 5.5 m  
450 x 9.9 m RCP (111), CAAP, PCCSP, OR CPEP (SL)  
RC - DI WITH GRATE, TYPE E AT STA 10+622, RT 4.8 m  
RIM EL. = 96.488  
INV. OUT (W) = 94.812

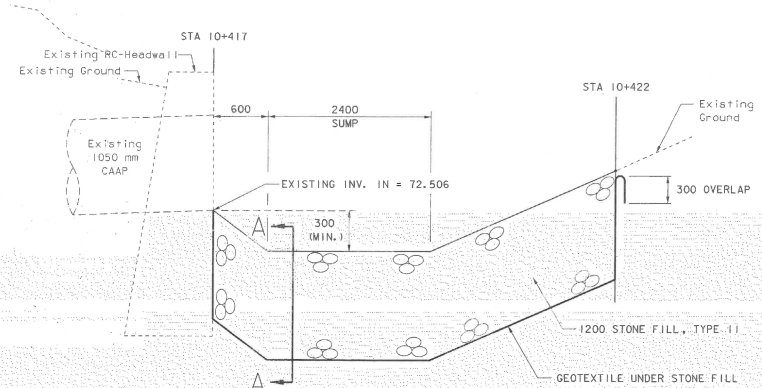
# SEWER NOTES

- S1 STA 10+387, RT 22.6 m (BY OTHERS)  
PRC - SMH WITH COVER, CONST. OVER EXISTING SEWER  
RIM EL. = 73.90 +/-  
EXIST. INV. IN (W) = 71.57 +/-  
INV. IN (N) = 71.642  
EXIST. INV. OUT (E) = 71.55 +/-  
CONTRACTOR TO VERIFY INVERT OF EXISTING SEWER
- S2 STA 10+411, RT 18.2 m - STA 10+387, RT 22.6 m (BY OTHERS)  
200 x 23.1 m DI PIPE WITH 450 x 17.7 m STEEL SLEEVE  
PRC - DROP SMH WITH COVER AT STA 10+411, RT 18.2 m  
RIM EL. = 76.00 +/-  
INV. AT DROP (N) = 74.727  
INV. IN (N) = 72.898  
INV. OUT = 72.867
- S3 STA 10+496, RT 4.2 m - STA 10+411, RT 18.2 m  
200 x 86.1 m PVC SDR26 WITH 450 x 6.1 m STEEL SLEEVE  
PRC - SMH WITH COVER AT STA 10+496, RT 4.2 m  
RIM EL. = 89.906  
INV. IN (N) = 86.056  
INV. OUT (S) = 86.025
- S4 STA 10+534, RT 4.2 m - STA 10+496, RT 4.2 m  
200 x 37.6 m PVC SDR26 WITH 450 x 6.1 m STEEL SLEEVE  
PRC - SMH WITH COVER AT STA 10+534, RT 4.2 m  
RIM EL. = 92.946  
INV. IN (N) = 88.834  
INV. OUT (S) = 88.803
- S5 STA 10+553.9, RT 4.2 m - STA 10+534, RT 4.2 m  
200 x 19.1 m PVC SDR35  
PRC - SMH WITH COVER AT STA 10+553.9, RT 4.2 m  
RIM EL. = 94.384  
INV. IN (N) = 89.803  
INV. IN (W) = 89.803  
INV. OUT (S) = 89.772
- S6 STA 10+572, RT 4.2 m - STA 10+553.9, RT 4.2 m  
200 x 17.2 m PVC SDR35  
PRC - SMH WITH COVER AT STA 10+572, RT 4.2 m  
RIM EL. = 95.297  
INV. IN (N) = 90.588  
INV. OUT (S) = 90.557
- S7 STA 10+567.2, LT 8.0 m - STA 10+553.9, RT 4.2 m  
150 x 16.7 m PVC SDR35  
PRC-SMH WITH COVER AT STA 10+567.2, LT 8.0 m  
RIM EL. = 94.890  
INV. IN (W) = 90.603  
INV. OUT (E) = 90.572
- S8 STA 10+608, LT 6.0 m - STA 10+572, RT 4.2 m  
200 x 36.5 m PVC SDR35  
INV. OUT (S) = 90.953  
REMOVE AND RESET FRAME AND COVER OF EXISTING SEWER MANHOLE  
AT STA. 10+608, LT 6.0 m  
RIM EL. = 96.322  
REMOVE AND RESET BRICK CHANNEL TO PROPOSED OUTLET PIPE LOCATION.

# GENERAL SEWER NOTES:

- THE STEEL SLEEVE UNDER THE RAILROAD TRACKS SHALL BE JACKED. OPEN CUTS ARE PROHIBITED.
- PRIOR TO THE INSTALLATION OF THE STEEL SLEEVES, THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE EXISTING VERTICAL FACES OF QUARRY.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND INVERT ELEVATION OF THE EXISTING SEWER LATERAL FROM SALMON HALL AND IS RESPONSIBLE FOR FURNISHING ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY TO MAKE A SECURE WATER-TIGHT CONNECTION TO THE EXISTING SEWER LATERAL. ANY CONFLICTS BETWEEN THE ACTUAL LOCATION AND DESIGN SHALL BE REPORTED TO THE RESIDENT ENGINEER FOR RESOLUTION.
- THE CONTRACTOR SHALL CORE THROUGH THE EXISTING SEWER MANHOLE WALL SECURING THE PROPOSED OUTLET PIPE TO THE MANHOLE USING NON-SHRINK GROUT. AFTER COMPLETING WORK ON THE EXISTING SEWER MANHOLE THE CONTRACTOR SHALL PLUG AND ABANDON THE EXISTING OUTLET PIPE USING BRICK AND MORTAR.

**Metric**

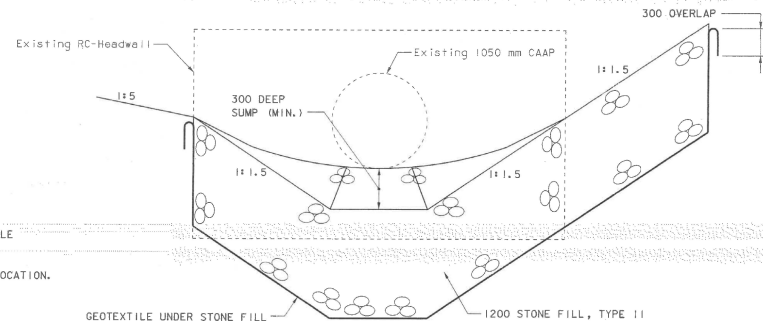


# SWALE DETAIL "B"

NOT TO SCALE

STA 10+417, RT - STA 10+422, RT

NOTE: CONTRACTOR SHALL ENSURE THAT PLACEMENT OF STONE FILL WILL NOT UNDERMINE EXISTING HEADWALL.



# SECTION A-A

NOT TO SCALE

# STATE OF VERMONT AGENCY OF TRANSPORTATION

|                                        |                             |            |   |
|----------------------------------------|-----------------------------|------------|---|
| Town Of                                | COLCHESTER-SOUTH BURLINGTON | Bridge No. | 6 |
| Highway No.                            | TH 4/3                      | Log Sta.   |   |
|                                        |                             | Surv. Sta. |   |
| TH 4/3 OVER WINDOOSKI RIVER & N.E.C.R. |                             |            |   |

# DRAINAGE & SEWER NOTES/DETAILS (2 OF 2)

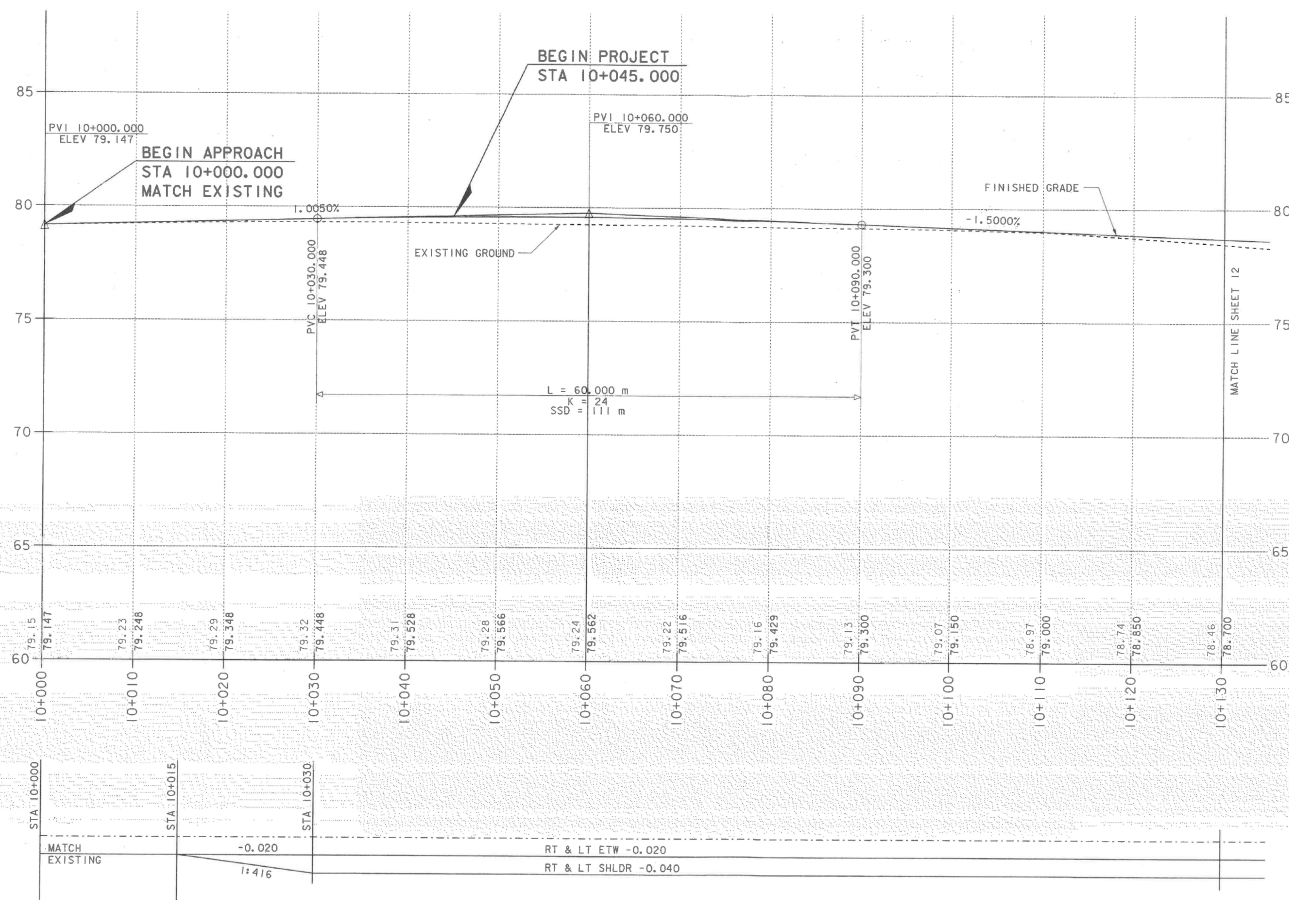
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|-------------|-----------------------------|--------------------------|--------------------|
| Designed By | S.W. BEKIER                 | Drawn By                 | C.S. MERCER        |
| Checked By  | Date                        | Bridge Design Supervisor |                    |
| D.M. PECK   | 6/03                        | S.M. GUNN                | Date 6/03          |
| PROJECT     | COLCHESTER-SOUTH BURLINGTON | PROJECT NO.              | BRM 5600 (6) S C/2 |
| L&C Info.   |                             |                          |                    |

VANASSE HANGEN BRUSTLIN, INC.

Bridge Sheet No. ZD139DR2 R.O.W. SHEET 6 OF 21

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)

MAY 12 2010



PROFILE & BANKING DIAGRAM

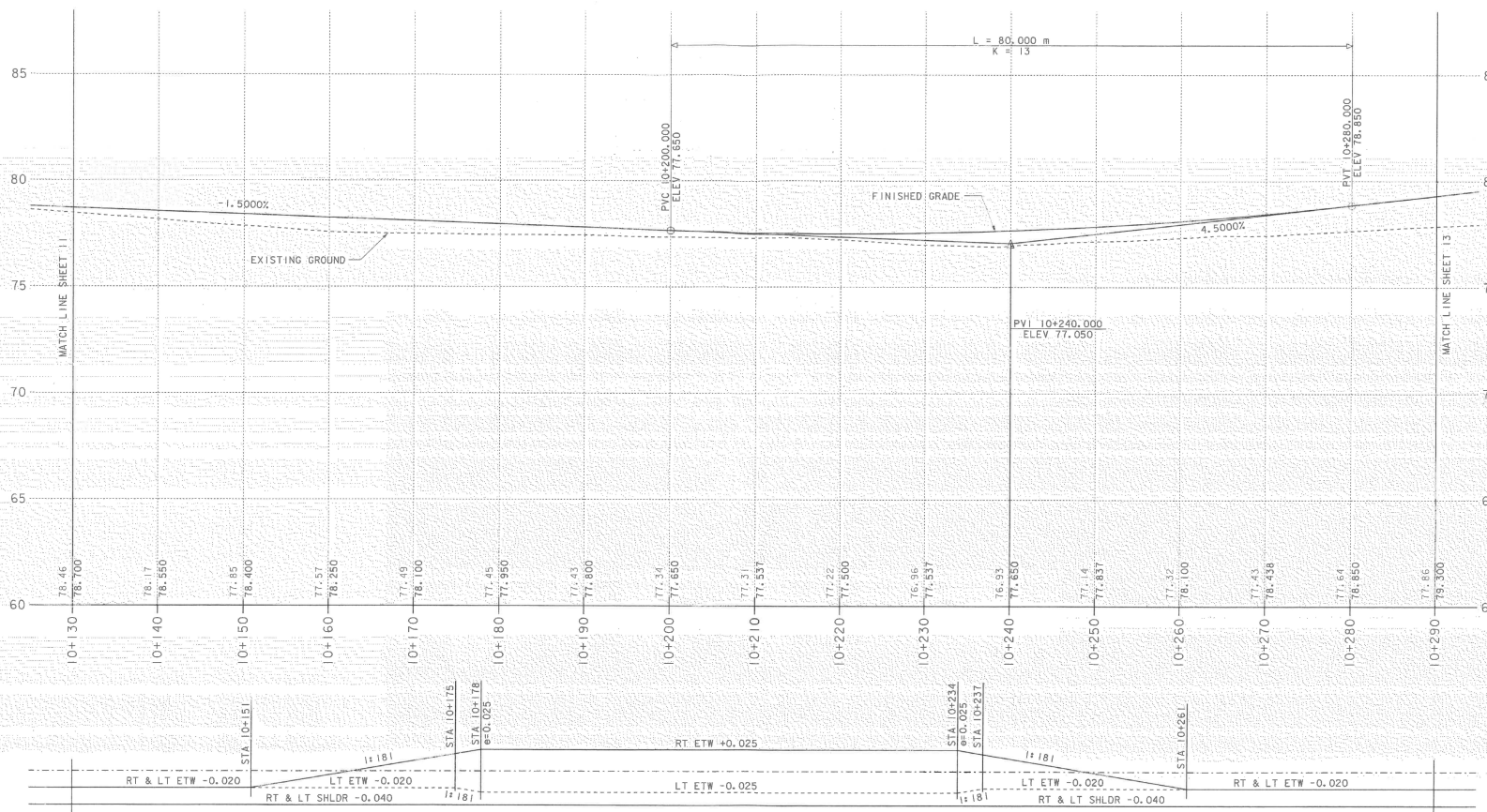
# STATE OF VERMONT AGENCY OF TRANSPORTATION

|                                        |                                       |
|----------------------------------------|---------------------------------------|
| Town Of<br>COLCHESTER-SOUTH BURLINGTON | Bridge No. 6                          |
| Highway No. TH 4/3                     | Log Sta.<br>Surv. Sta.                |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.  |                                       |
| <b>PROFILE (1 OF 5)</b>                |                                       |
| Designed By A.J. CRAWFORD              | Drawn By C.L. CILLEY                  |
| Checked By S.M. GUNN                   | Bridge Design Supervisor<br>S.M. GUNN |
| Date 6/03                              | Date 6/03                             |
| PROJECT<br>COLCHESTER-SOUTH BURLINGTON | PROJECT NO.<br>BRM 5600 (6) S C/2     |
| L&C info.                              |                                       |
| Bridge Sheet No. ZD139PRI              | R.O.W. SHEET 7 OF 21                  |

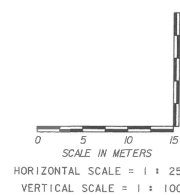
DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)

VANASSE HANGEN BRUSTLIN, INC.

MAY 1 2 2010



PROFILE & BANKING DIAGRAM



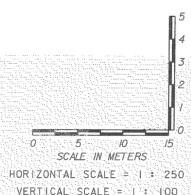
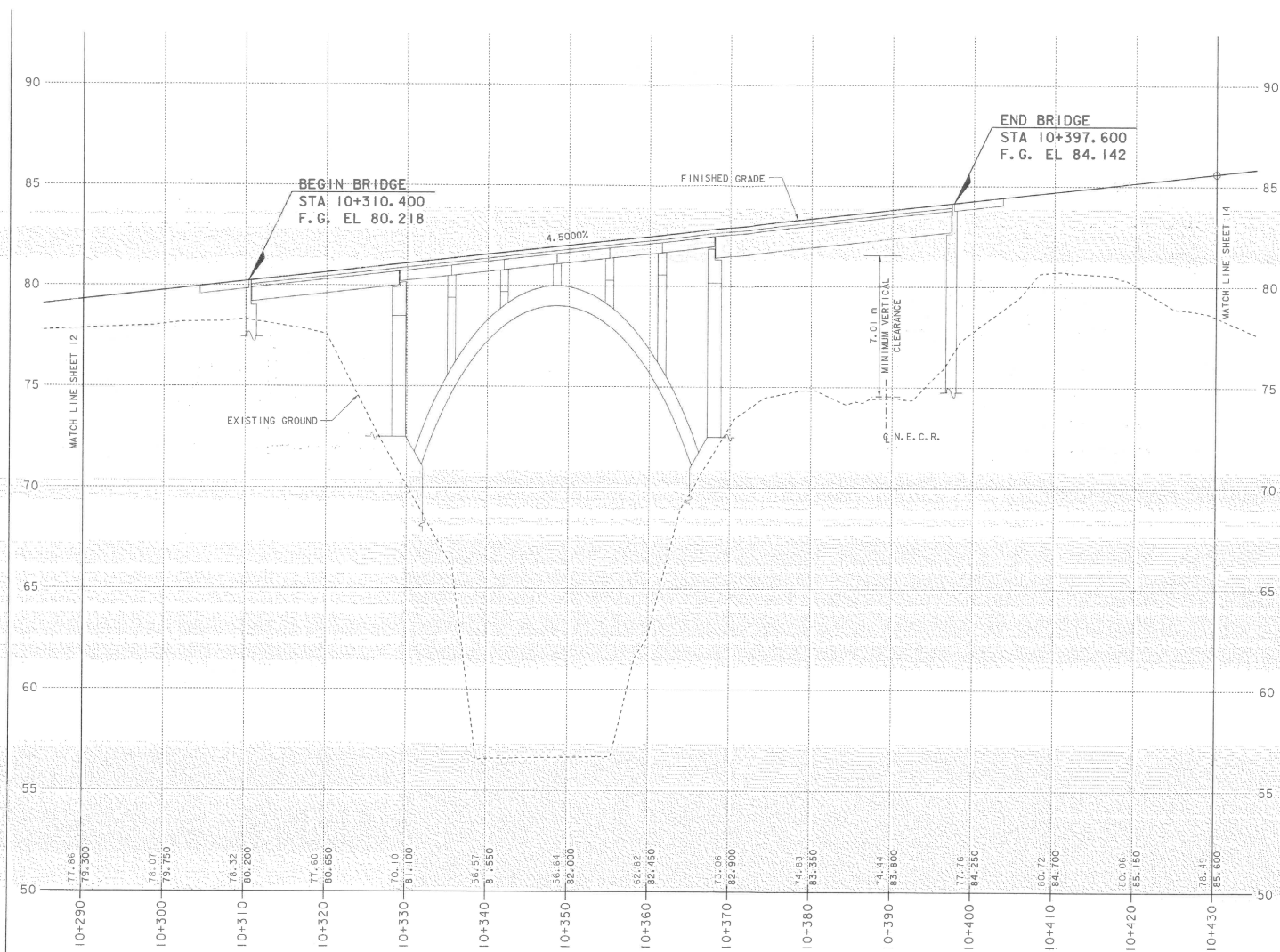
**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

|                                        |                                       |
|----------------------------------------|---------------------------------------|
| Town Of<br>COLCHESTER-SOUTH BURLINGTON | Bridge No.<br>6                       |
| Highway No.<br>TH 4/3                  | Log Sta.<br>Surv. Sta.                |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.  |                                       |
| <b>PROFILE (2 OF 5)</b>                |                                       |
| Designed By<br>A.J. CRAWFORD           | Drawn By<br>C.L. CILLEY               |
| Checked By<br>S.M. GUNN                | Bridge Design Supervisor<br>S.M. GUNN |
| Date<br>6/03                           | Date<br>6/03                          |
| PROJECT<br>COLCHESTER-SOUTH BURLINGTON | PROJECT NO.<br>BRM 5600 (6) S C/2     |
| I.G.C. Info.                           |                                       |
| Bridge Sheet No.<br>ZD139PR2           | R.O.W. SHEET 8 OF 21                  |

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)

VANASSE HANGEN BRUSTLIN, INC.





RT & LT ETW -0.020  
RT & LT SHLDR -0.040

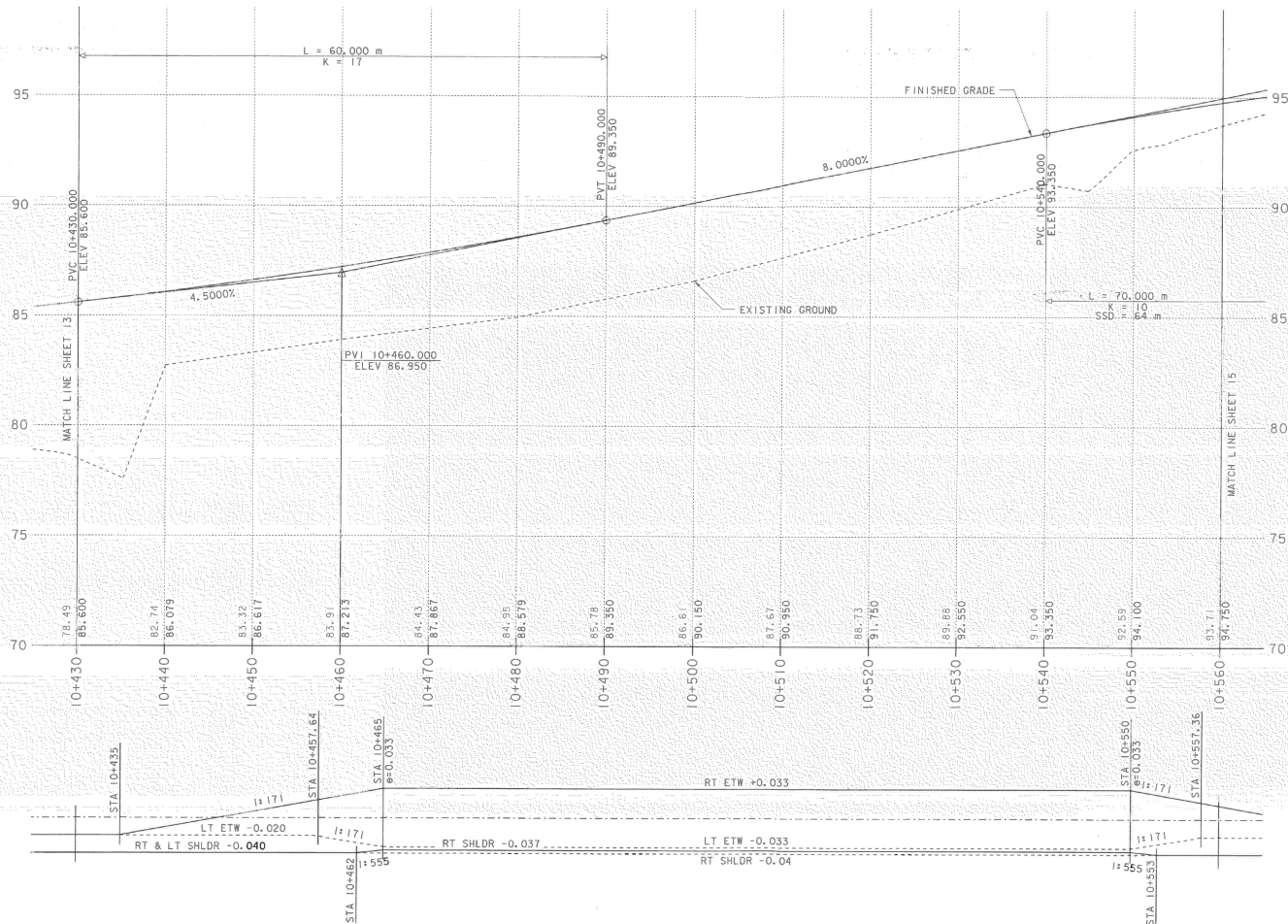
**PROFILE & BANKING DIAGRAM**

DATUM  
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HORIZONTAL\_NAD\_83\_192

**VANASSE HANGEN BRUSTLIN, INC.**

| STATE OF VERMONT<br>AGENCY OF TRANSPORTATION |           |                                    |           |
|----------------------------------------------|-----------|------------------------------------|-----------|
| Town Of COLCHESTER-SOUTH BURLINGTON          |           | Bridge No. 6                       |           |
| Highway No. TH 4/3                           |           | Log Sta. Surv. Sta.                |           |
| TH 4/3 OVER WINDOSKI RIVER & N.E.C.R.        |           |                                    |           |
| PROFILE (3 OF 5)                             |           |                                    |           |
| Designed By A.J. CRAWFORD                    |           | Drawn By C.L. CILLEY               |           |
| Checked By S.M. GUNN                         | Date 6/03 | Bridge Design Supervisor S.M. GUNN | Date 6/03 |
| PROJECT COLCHESTER-SOUTH BURLINGTON          |           | PROJECT NO. BRM 5600 (6) S C/2     |           |
| I.G.C. Info.                                 |           |                                    |           |
| Bridge Sheet No. ZD139PR3                    |           | R.O.W. SHEET 9 OF 21               |           |





PROFILE & BANKING DIAGRAM

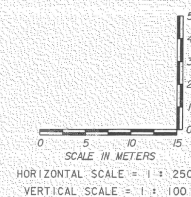
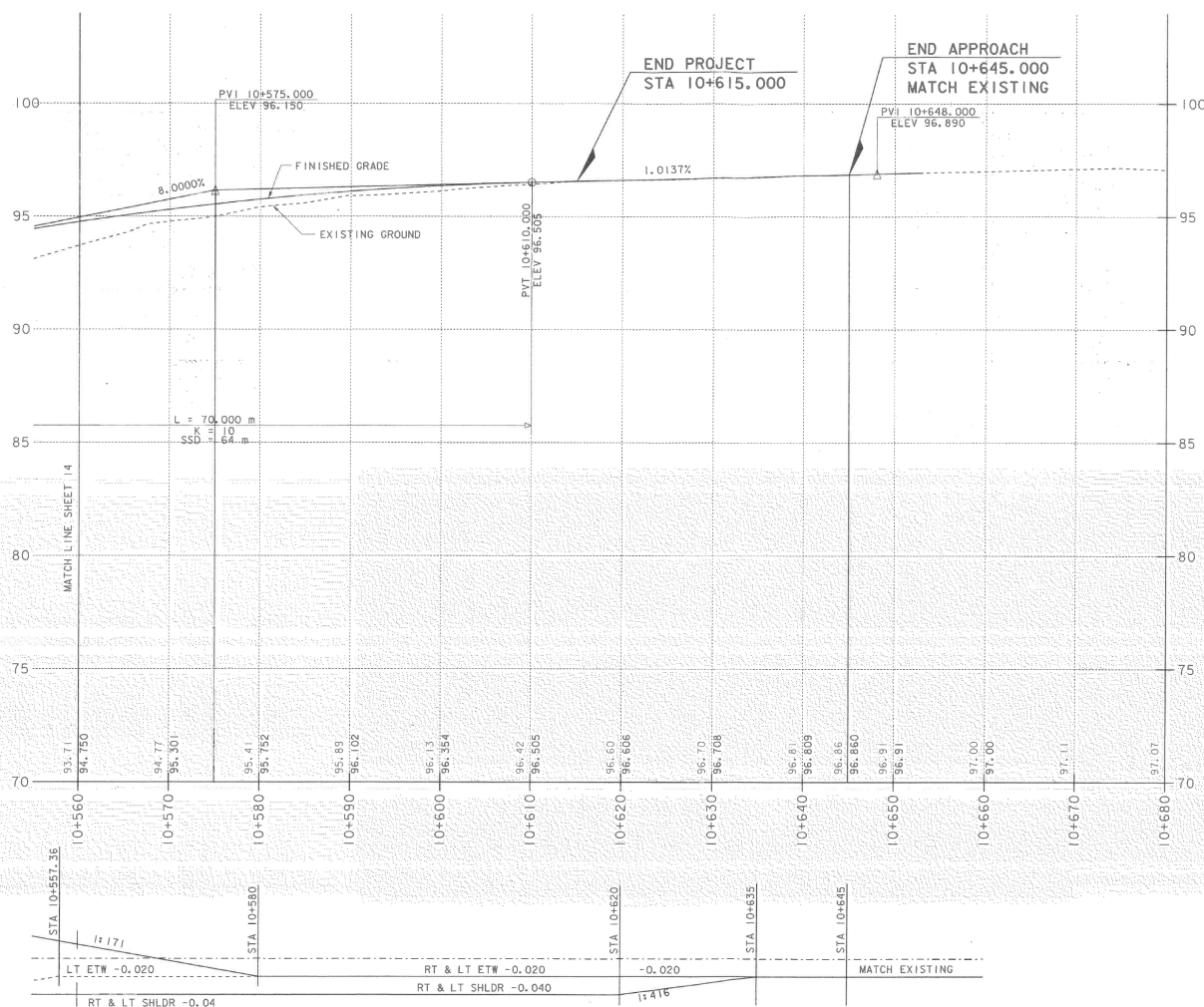
DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (192)

VANASSE HANGEN BRUSTLIN, INC.

# STATE OF VERMONT AGENCY OF TRANSPORTATION

|                                       |                             |                          |                    |
|---------------------------------------|-----------------------------|--------------------------|--------------------|
| Town Of                               | COLCHESTER-SOUTH BURLINGTON | Bridge No.               | 6                  |
| Highway No.                           | TH 4/3                      | Log Sta.                 |                    |
|                                       |                             | Surv. Sta.               |                    |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R. |                             |                          |                    |
| PROFILE (4 OF 5)                      |                             |                          |                    |
| Designed By                           | A. J. CRAWFORD              | Drawn By                 | C. L. CILLEY       |
| Checked By                            | S. M. GUNN                  | Bridge Design Supervisor | S. M. GUNN         |
| Date                                  | 6/03                        | Date                     | 6/03               |
| PROJECT                               | COLCHESTER-SOUTH BURLINGTON | PROJECT NO.              | BRM 5600 (6) S C/2 |
| L.G.C. Info.                          |                             |                          |                    |
| Bridge Sheet No.                      | ZD139PR4                    | R.O.W. SHEET             | 10 OF 21           |

MAY 12 2010



# STATE OF VERMONT AGENCY OF TRANSPORTATION

|                                        |                             |            |   |
|----------------------------------------|-----------------------------|------------|---|
| Town Of                                | COLCHESTER-SOUTH BURLINGTON | Bridge No. | 6 |
| Highway No.                            | TH 4/3                      | Log Sta.   |   |
|                                        |                             | Surv. Sta. |   |
| TH 4/3 OVER WINDOOSKI RIVER & N.E.C.R. |                             |            |   |

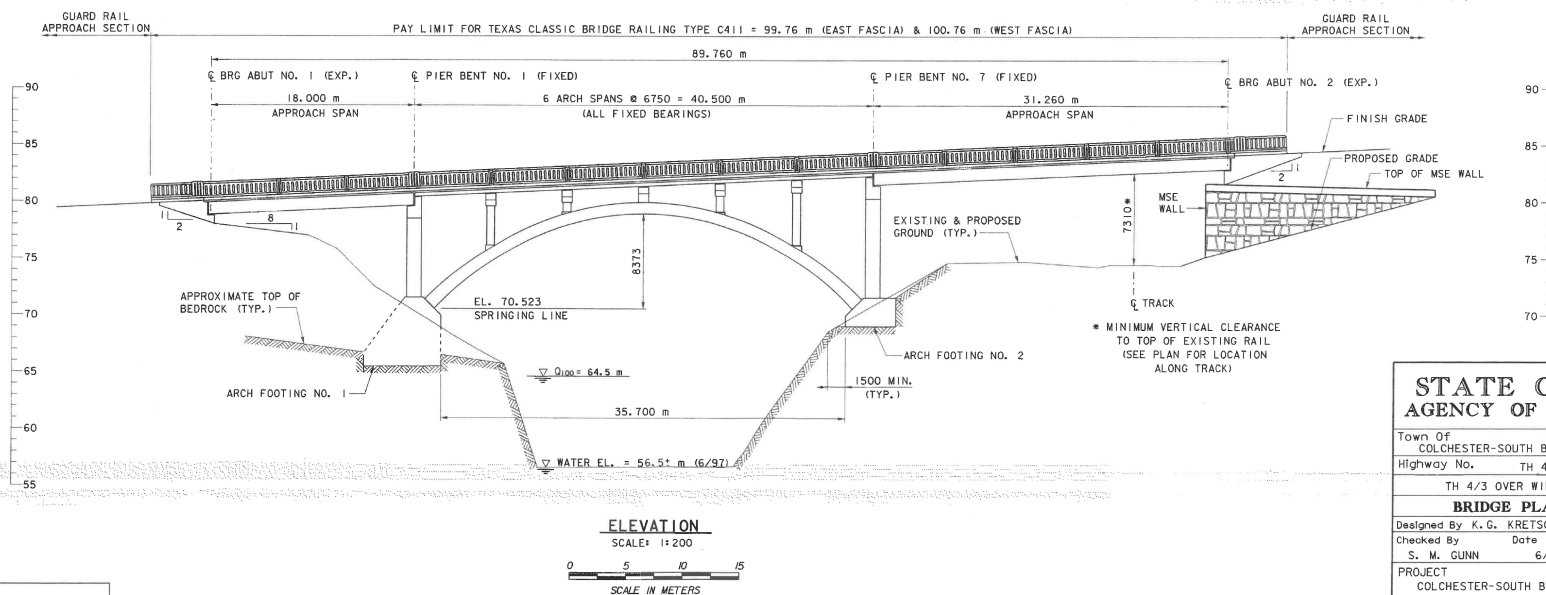
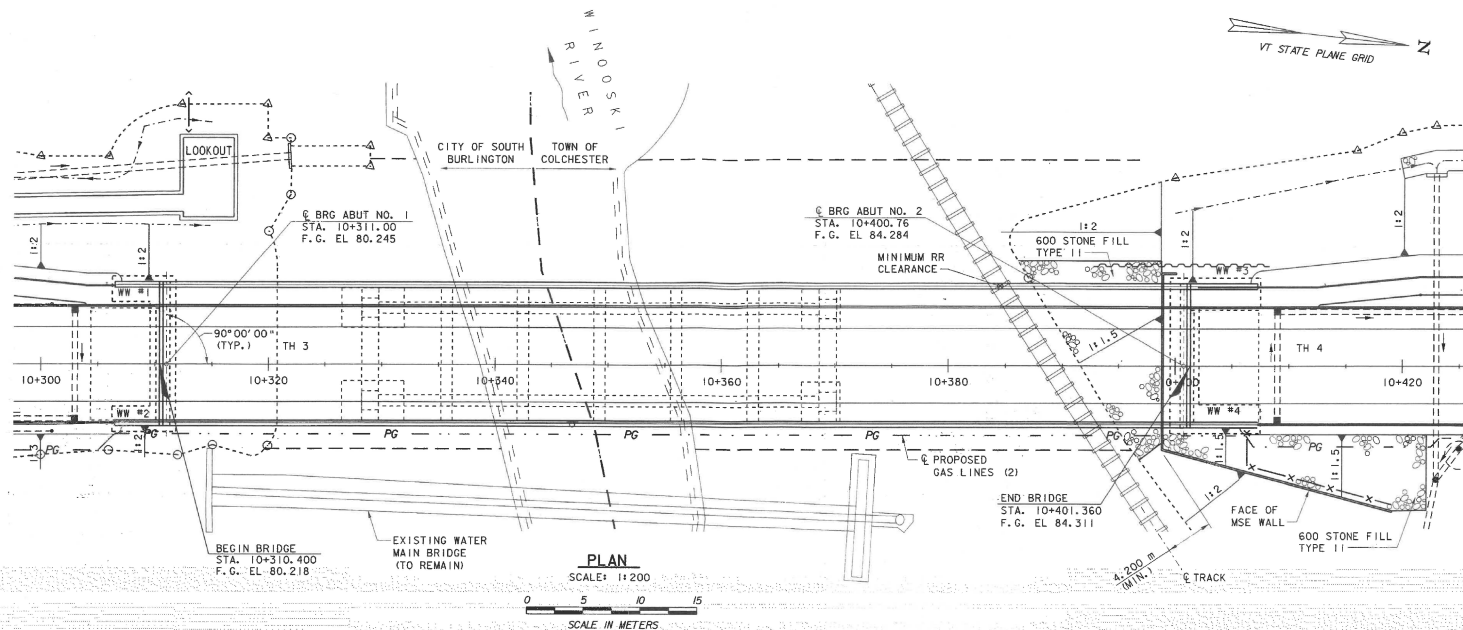
## PROFILE (5 OF 5)

|                                        |               |                                   |             |
|----------------------------------------|---------------|-----------------------------------|-------------|
| Designed By                            | A.J. CRAWFORD | Drawn By                          | C.L. CILLEY |
| Checked By                             | S.M. GUNN     | Bridge Design Supervisor          | S.M. GUNN   |
| Date                                   | 6/03          | Date                              | 6/03        |
| PROJECT<br>COLCHESTER-SOUTH BURLINGTON |               | PROJECT NO.<br>BRM 5600 (6) S C/2 |             |

|                  |                                |
|------------------|--------------------------------|
| L&C Info.        |                                |
| Bridge Sheet No. | ZD139PR5 R.O.W. SHEET 11 OF 21 |

DATUM  
VERTICAL NAVD\_88  
HORIZONTAL NAD\_83 (92)

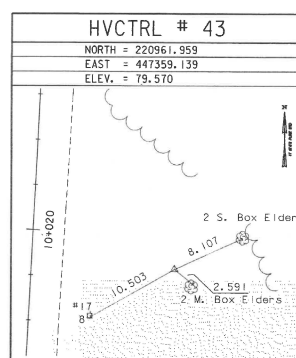
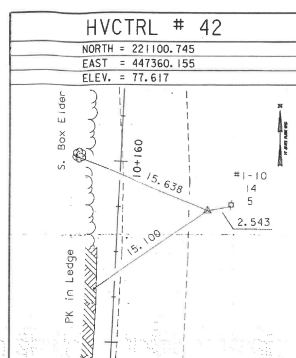
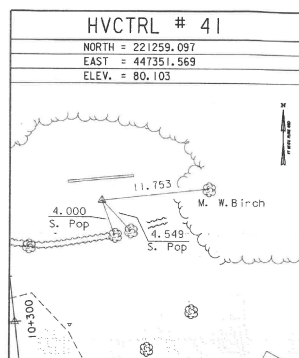
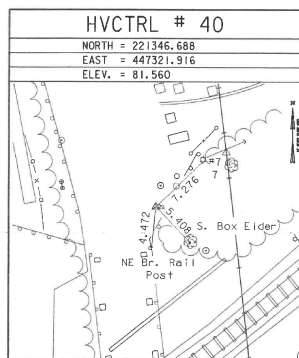
VANASSE HANGEN BRUSTLIN, INC.



# STATE OF VERMONT AGENCY OF TRANSPORTATION

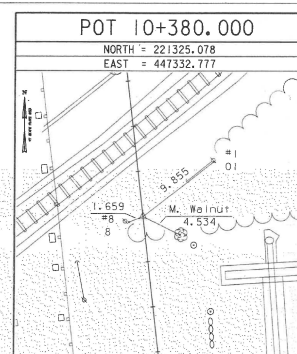
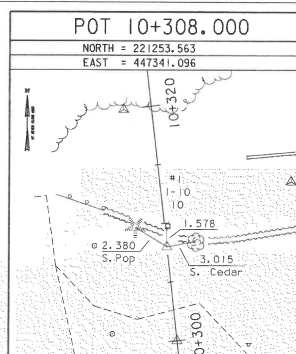
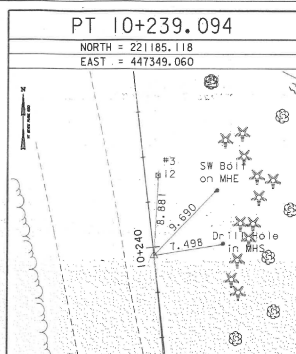
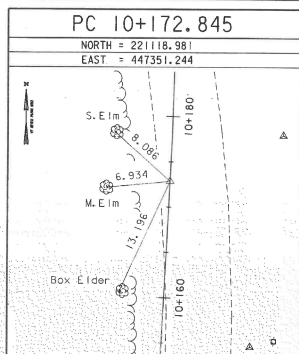
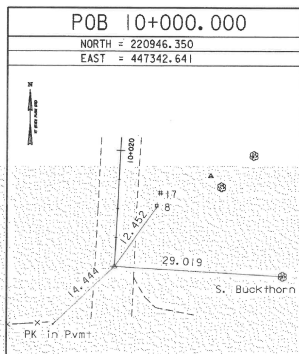
|                                       |                             |                          |                    |
|---------------------------------------|-----------------------------|--------------------------|--------------------|
| Town Of                               | COLCHESTER-SOUTH BURLINGTON | Bridge No.               | 6                  |
| Highway No.                           | TH 4/3                      | Log Sta.                 |                    |
|                                       |                             | Surv. Sta.               |                    |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R. |                             |                          |                    |
| <b>BRIDGE PLAN &amp; ELEVATION</b>    |                             |                          |                    |
| Designed By                           | K.G. KRETSCH                | Drawn By                 | B.J. MASSE         |
| Checked By                            | S.M. GUNN                   | Bridge Design Supervisor | S.M. GUNN          |
| Date                                  | 6/03                        | Date                     | 6/03               |
| PROJECT                               | COLCHESTER-SOUTH BURLINGTON | PROJECT NO.              | BRM 5600 (6) S C/2 |
| I.G.C. info.                          |                             | R.O.W. SHEET 12 OF 21    |                    |
| ZD139GPE                              |                             |                          |                    |

VANASSE HANGEN BRUSTLIN, INC.



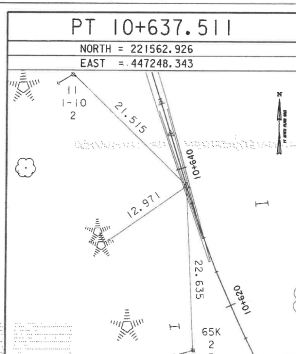
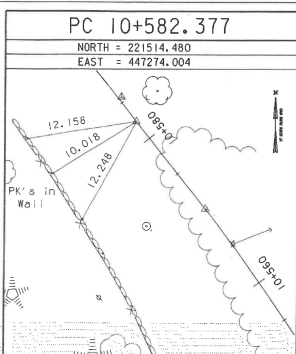
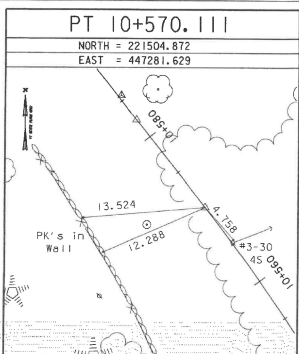
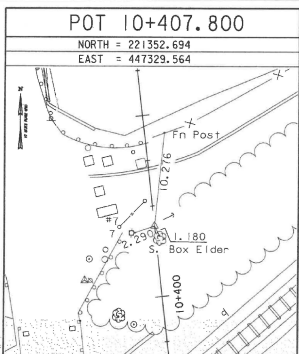
\* Main Traverse Completed 04/03/91 by J. Sheridan P.C. & R. Bullock revised 01/30/02 by L. Orvis P.C. & T. Wilson

TRAVERSE TIES



\* Alignment Staked 04/03/91 by L. Orvis P.C. & T. Wilson

ALIGNMENT TIES



| DATUM      |         |
|------------|---------|
| VERTICAL   | NAVD 88 |
| HORIZONTAL | NAD 23  |
| ADJUSTMENT | Compass |

# STATE OF VERMONT AGENCY OF TRANSPORTATION

| Town Of                               | COLCHESTER-SOUTH BURLINGTON | Bridge No.               | 6                              |
|---------------------------------------|-----------------------------|--------------------------|--------------------------------|
| Highway No.                           | TH 4/3                      | Log. Sta.                |                                |
| TH 4/3 OVER WINDOSKI RIVER & N.E.C.R. |                             | Survey Sta.              |                                |
| SURVEY TIE SHEET                      |                             |                          |                                |
| Designed By                           | VTRANS                      | Drawn By                 | VTRANS                         |
| Checked By                            | Date                        | Bridge Design Supervisor | Date                           |
| VTRANS                                | 6/03                        | VTRANS                   | 6/03                           |
| PROJECT                               | COLCHESTER-SOUTH BURLINGTON | PROJECT NO.              | BRM 5600 (6) S C/2             |
| I.G.C. Info.                          |                             | Bridge Sheet No.         | ZD139m+1 R.O.W. SHEET 13 OF 21 |

VANASSE HANGEN BRUSTLIN, INC.

**PLAN LEGEND**

|  |                       |  |                    |
|--|-----------------------|--|--------------------|
|  | EXISTING RIGHT-OF-WAY |  | TOE OF SLOPE       |
|  | TAKING WITH ACCESS    |  | TOP OF CUT         |
|  | TAKING WITHOUT ACCESS |  | SLOPE RIGHT        |
|  | CLEAR ZONE            |  | CONSTRUCTION RIGHT |
|  | PROPERTY LINE         |  |                    |

|       |                            |
|-------|----------------------------|
| (P)   | -PERMANENT                 |
| (T)   | -TEMPORARY                 |
| DR    | -DRAINAGE RIGHT            |
| DIT   | -DITCHING RIGHT            |
| CH    | -CHANNEL RIGHT             |
| DRIVE | -DRIVE RIGHT               |
| CUL   | -CULVERT RIGHT             |
| C&T   | -CLEARING & TRIMMING RIGHT |
| SR    | -SLOPE RIGHT               |
| UE    | -UTILITY EASEMENT          |

APPROVED: ROGER P. DUMAS DATE: 09-15-01  
 CHIEF, PLANS & TITLES

|                                                                               |                             |
|-------------------------------------------------------------------------------|-----------------------------|
|                                                                               | PLAN LEGEND                 |
|                                                                               | EXISTING RIGHT-OF-WAY       |
|                                                                               | TAKING WITH ACCESS          |
|                                                                               | TAKING WITHOUT ACCESS       |
|                                                                               | CLEAR ZONE<br>PROPERTY LINE |
|                                                                               | TOE OF SLOPE                |
|                                                                               | TOP OF CUT                  |
|                                                                               | SLOPE RIGHT                 |
|                                                                               | CONSTRUCTION RIGHT          |
| (P)                                                                           | -PERMANENT                  |
| (T)                                                                           | -TEMPORARY                  |
| DR                                                                            | -DRAINAGE RIGHT             |
| DIT                                                                           | -DITCHING RIGHT             |
| CH                                                                            | -CHANNEL RIGHT              |
| DRIVE                                                                         | -DRIVE RIGHT                |
| CUL                                                                           | -CULVERT RIGHT              |
| C&T                                                                           | -CLEARING & TRIMMING RIGHT  |
| SR                                                                            | -SLOPE RIGHT                |
| UE                                                                            | -UTILITY EASEMENT           |
| APPROVED: _____ ROGER P. DUMAS DATE: 06-12-03<br>_____ CHIEF, PLANS & TITLES  |                             |
| PROJECT NAME COLCHESTER - SOUTH BURLINGTON<br>PROJECT NUMBER BRM 5600(6)S C/2 |                             |
| FILE NAME: 87D139D.XLS                                                        | PLOT DATE: 04/08/04         |
| PROJECT LEADER: SOP                                                           | DRAWN BY: HIR               |
| DESIGNED BY: VHB, INC.                                                        | CHECKED BY: EP              |
| R.O.W. DETAIL SHEET 15 OF 21                                                  | SHEET 8 OF 124              |



**PLAN LEGEND**

EXISTING RIGHT-OF-WAY

TAKING WITH ACCESS

TAKING WITHOUT ACCESS

CLEAR ZONE

PROPERTY LINE

TOE OF SLOPE

TOP OF CUT

SLOPE RIGHT

CONSTRUCTION RIGHT

(P) - PERMANENT

(T) - TEMPORARY

DR - DRAINAGE RIGHT

DIT - DITCHING RIGHT

CH - CHANNEL RIGHT

DRIVE - DRIVE RIGHT

CUL - CULVERT RIGHT

C&T - CLEARING & TRIMMING RIGHT

SLOPE RIGHT - SLOPE RIGHT

UTILITY EASEMENT - UTILITY EASEMENT

APPROVED: ROGER D. DUMAS DATE: 09-15-13

CHIEF, PLANS & TITLES

|                                             |                     |
|---------------------------------------------|---------------------|
| PROJECT NAME: COLCHESTER - SOUTH BURLINGTON |                     |
| PROJECT NUMBER: BRM 5600(6)S C/2            |                     |
| FILE NAME: 97D138D.XLS                      | PLOT DATE: 02/19/04 |
| PROJECT LEADER: S&F                         | DRAWN BY: M&F       |
| DESIGNED BY: V&H, INC.                      | CHECKED BY: EP      |
| R.O.W. DETAIL SHEET 16 OF 21                | SHEET 9 OF 12A      |





LIME KILN ALLOCATED HOUSING  
LIMITED PARTNERSHIP, ET. AL.

BEGIN R.O.W. PROJECT  
BRM 5600 (6) S C/2  
STA. 10+021.87  
9.14M (30.0') LT.

2

BEGIN APPROACH  
STA 10+000.000  
MATCH EXISTING

BEGIN PROJECT  
STA 10+045.000

EXISTING R.O.W. AS SHOWN ON A PLAN  
ENTITLED 'BOUNDARY RE-SURVEY &  
SUBDIVISION-PROPERTY KNOWN AS  
THE LEDGES' BY CHASE & CHASE,  
DATED 12/12/00, RECORDED IN VOL.  
480, PAGE 85 OF THE CITY OF SOUTH  
BURLINGTON LAND RECORDS.

PLAN

SCALE: 1"=250'  
0 5 10 15  
SCALE IN METERS

4

FARWATER, LIMITED

LEGEND

- UT — — — EXISTING UNDERGROUND TELEPHONE LINE
- W — — — EXISTING UNDERGROUND WATER LINE
- G — — — EXISTING UNDERGROUND GAS LINE
- S — — — EXISTING UNDERGROUND SEWER LINE
- AERIAL EST — — — EXISTING OVERHEAD ELECTRIC & TELEPHONE LINE
- FM — — — EXISTING FORCED MAIN SEWER LINE
- SD — — — EXISTING STORM DRAIN
- ===== LEDGE
- HYD — — — HYDRANT
- — — — VALVE
- — — — MANHOLE
- ⌂ — — — MAILBOX
- 4 I — — — SIGNS
- — — UTILITY POLE GUY WIRE
- ⊙ — — — GAS SHUTOFF
- ⊕ — — — LIGHT POLE
- P — — — PROPOSED OVERHEAD ELECTRIC & TELEPHONE BY OTHERS
- PS — — — PROPOSED SEWER LINE
- PG — — — PROPOSED GAS LINE BY OTHERS
- PW — — — PROPOSED WATER LINE BY OTHERS
- — — — PROPOSED PULL BOX BY OTHERS
- — — — PROPOSED FLUSHING BASIN
- --- --- TOP OF CUT TO MATCH EXISTING
- --- --- TOE OF SLOPE TO MATCH EXISTING

SIGN LEGEND

- N = NEW
- R = REMOVE
- B-B = BACK-TO-BACK
- RET = RETAIN
- R & S = REMOVE AND RESET
- R & N = REMOVE AND NEW
- ① RETURN TO CITY OF SO. BURLINGTON

**FOR R.O.W.  
USE ONLY**

SEE DRAINAGE AND SEWER NOTES  
& DETAILS ON SHEETS 13 & 14  
(R.O.W. SHEETS 5 & 6)

CONSTRUCTION NOTES

CONSTRUCT CONCRETE CURB

STA 10+042.5 - STA 10+130.0, RT  
STA 10+042.5 - STA 10+072.5, LT  
STA 10+085.3 - STA 10+130.0, LT

DURABLE 100 mm WHITE LINE

STA 10+000 - STA 10+130, LT & RT

DURABLE 100 mm YELLOW LINE (DOUBLE CENTER LINE)

STA 10+000 - STA 10+130

CONSTRUCT BUS PULLOUT

STA 10+110, RT 5.1 m - STA 10+130, RT 8.4 m

COLD PLANING

STA 10+000 - STA 10+015

TRAVEL LANE TAPER

STA 10+000, LT & RT 3390 TO

STA 10+045, LT & RT 3300

PAVED SHOULDER TAPER

STA 10+000, LT & RT 0 TO

STA 10+045, LT & RT 1800

CONSTRUCT SIDEWALK

STA 10+041.0 - STA 10+073.2, LT

STA 10+084.6 - STA 10+130.0, LT

CONSTRUCT SIDEWALK RAMP, TYPE 1

(SEE STD. C-3M)

STA 10+070.0 - STA 10+073.2, LT

STA 10+084.6 - STA 10+087.8, LT

CONSTRUCT SIDEWALK RAMP, TYPE 6

(SEE STD. C-3M)

STA 10+041.0 - STA 10+045.0, LT

CONSTRUCT DRIVE

STA 10+079, LT

50 BCP TYPE III, 7200 WIDE

REMOVE EXISTING CURB

STA 10+123 - 10+130, RT

REMOVE AND RESET SHRUB

STA 10+061, LT

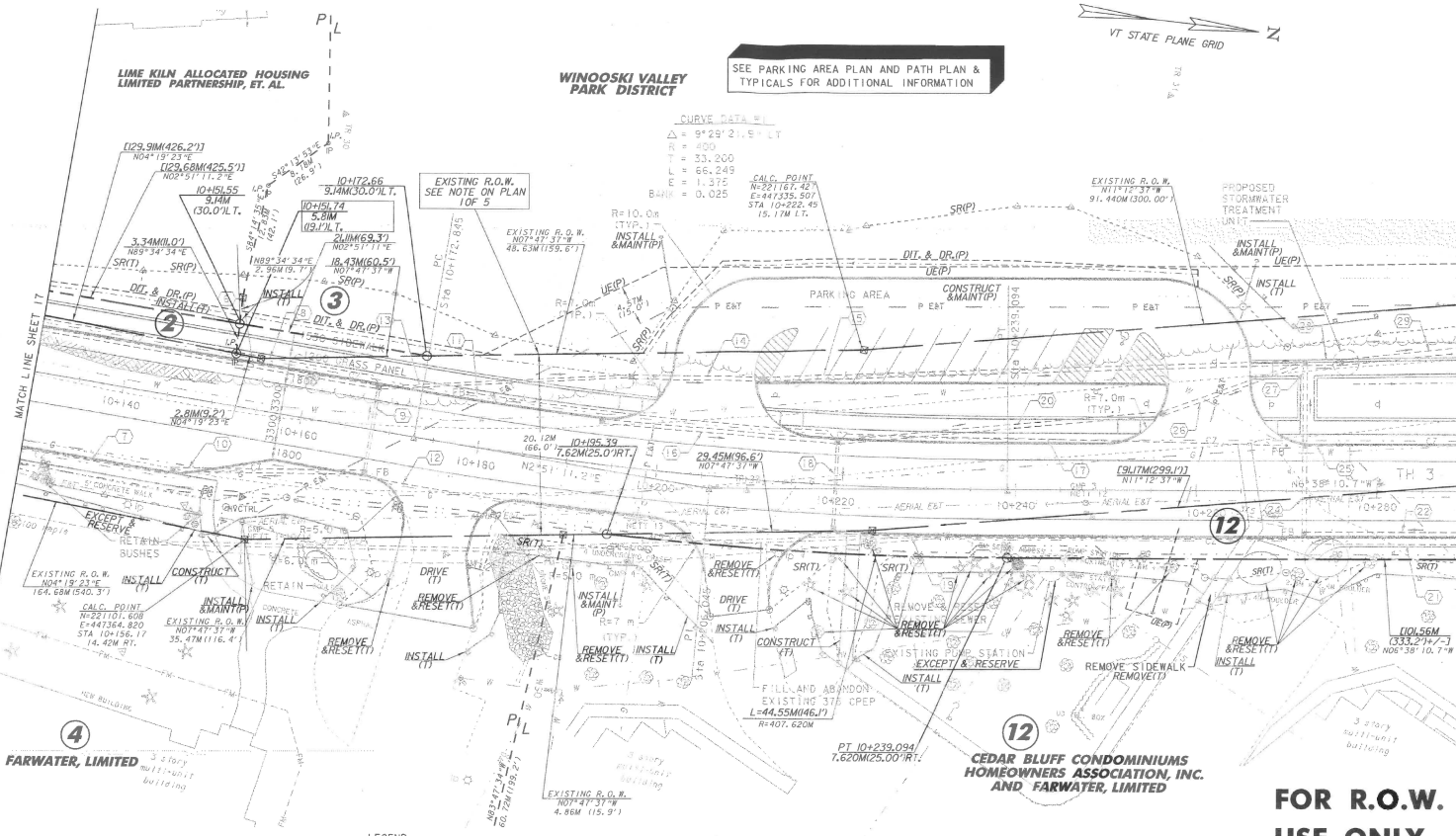
Lines shown on this plan as existing  
property lines P/L are believed to  
be accurate but should not be relied  
upon for purposes unrelated to the  
City of S. Burlington's acquisition of land  
and rights for this project.

28-FEB-2005

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

|                               |                                        |                          |                    |
|-------------------------------|----------------------------------------|--------------------------|--------------------|
| Town Of                       | COLCHESTER-SOUTH BURLINGTON            | Bridge No.               | 6                  |
| Highway No.                   | TH 4/3                                 | Log Sta.                 |                    |
|                               | TH 4/3 OVER WINDOOSKI RIVER & N.E.C.R. | Surv. Sta.               |                    |
| <b>PLAN (1 OF 5)</b>          |                                        |                          |                    |
| Designed By                   | A.J. CRAWFORD                          | Drawn By                 | C.S. MERCER        |
| Checked By                    | J.A. MERCER                            | Bridge Design Supervisor | S.M. GUNN          |
| Date                          | 6/03                                   | Date                     | 6/03               |
| PROJECT                       | COLCHESTER-SOUTH BURLINGTON            | PROJECT NO.              | BRM 5600 (6) S C/2 |
| L.G.C. info.                  |                                        | R.O.W. SHEET 17 OF 21    |                    |
| VANASSE HANGEN BRUSTLIN, INC. |                                        | SHEET 10 OF 124          |                    |

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)



**CONSTRUCTION NOTES**

**CONSTRUCT SIDEWALK**

STA 10+130.0 - STA 10+197.6, LT  
STA 10+130.0 - STA 10+151.0, RT  
STA 10+222.0 - STA 10+222.8, RT  
STA 10+212.4 - STA 10+254.6, LT  
STA 10+268.2 - STA 10+290.0, LT

**CONSTRUCT DRIVE**

STA 10+177, RT  
50 BCP TYPE III, 7500 WIDE  
  
STA 10+205, LT  
40 BCP TYPE III,  
50 BCP TYPE II, 9000 WIDE  
  
STA 10+210, RT  
50 BCP TYPE III, 7600 WIDE

STA 10+261, LT  
40 BCP TYPE III,  
50 BCP TYPE II, 9000 WIDE

**CONSTRUCT CONCRETE CURB**

STA 10+130 - STA 10+173, RT  
STA 10+130 - STA 10+198, LT  
STA 10+182 - STA 10+206, RT  
STA 10+213 - STA 10+222, RT  
STA 10+213 - STA 10+254, LT  
STA 10+223 - STA 10+290, RT  
STA 10+269 - STA 10+290, LT

**CONSTRUCT SIDEWALK RAMP, TYPE I**

(SEE STD. C-3M)  
STA 10+195.0 - STA 10+198.4, LT  
STA 10+212.4 - STA 10+215.8, LT  
STA 10+222, RT  
STA 10+251.3 - STA 10+254.6, LT  
STA 10+268.2 - STA 10+271.5, LT  
STA 10+265.9 - STA 10+268.4, LT

**STEEL BEAM GUARDRAIL**

STA 10+268.3 - STA 10+290.0, RT

**ANCHOR FOR STEEL BEAM GUARDRAIL**

STA 10+270.3, RT

**DURABLE 100 mm WHITE LINE**

STA 10+130 - STA 10+290, LT & RT

**DURABLE 100 mm YELLOW LINE**

(DOUBLE CENTER LINE)

STA 10+130 - STA 10+290

**CONSTRUCT BUS PULLOUT**

STA 10+130 - STA 10+147.8, RT 8.4 m  
STA 10+147.8 - STA 10+151.0, RT 8.4 m  
STA 10+151.7, RT 5.1 m

**REMOVE EXISTING CURB**

STA 10+130 - STA 10+160, RT

**REMOVE & RESET BOLLARDS**

STA 10+267, RT  
STA 10+274, RT

**REMOVE & RESET FRAME & COVER OF EXIST. SM**

STA 10+240, RT

28-FEB-2005

**FOR R.O.W.  
USE ONLY**

- LEGEND**
- UT — EXISTING UNDERGROUND TELEPHONE LINE
  - W — EXISTING UNDERGROUND WATER LINE
  - G — EXISTING UNDERGROUND GAS LINE
  - S — EXISTING UNDERGROUND SEWER LINE
  - AERIAL E&T — EXISTING OVERHEAD ELECTRIC & TELEPHONE LINE
  - FM — EXISTING FORCED MAIN SEWER LINE
  - SD — EXISTING STORM DRAIN
  - P E&T — PROPOSED OVERHEAD ELECTRIC & TELEPHONE BY OTHERS
  - PS — PROPOSED SEWER LINE
  - PG — PROPOSED GAS LINE BY OTHERS
  - PW — PROPOSED WATER LINE BY OTHERS
  - PB — PROPOSED PULL BOX BY OTHERS
  - FB — PROPOSED FLUSHING BASIN
  - TOP OF CUT TO MATCH EXISTING
  - TOE OF SLOPE TO MATCH EXISTING
  - PROPOSED LIGHT POLE

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE CITY OF S. BURLINGTON'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

**SIGN LEGEND**

- N = NEW
- R = REMOVE
- B-B = BACK-TO-BACK
- RET = RETAIN
- R & S = REMOVE AND RESET
- R & N = REMOVE AND NEW
- ① RETURN TO CITY OF SO. BURLINGTON

SEE DRAINAGE AND SEWER NOTES & DETAILS ON SHEETS 13 & 14

**REMOVE & RESET SHRUBS**

STA 10+189.0, RT 10.4 m  
STA 10+191.7, RT 11.3 m  
STA 10+217.7, RT 11.3 m  
STA 10+218.9, RT 16.4 m  
STA 10+220.4, RT 7.9 m  
STA 10+221.8, RT 11.8 m  
STA 10+224.1, RT 6.3 m  
STA 10+229.2, RT 8.1 m  
STA 10+234.0, RT 8.8 m  
STA 10+235.5, RT 8.2 m  
STA 10+237.5, RT 9.0 m  
STA 10+241.5, RT 9.8 m  
STA 10+250.8, RT 9.2 m  
STA 10+257.4, RT 8.3 m  
STA 10+271.3, RT 9.3 m  
STA 10+279.3, RT 7.9 m

**REMOVE & RESET LIGHT POLES**

STA 10+172, RT TO 10+170.5, RT 15.5  
STA 10+214, RT TO 10+215, RT 12.0

VANASSE HANGEN BRUSTLIN, INC.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

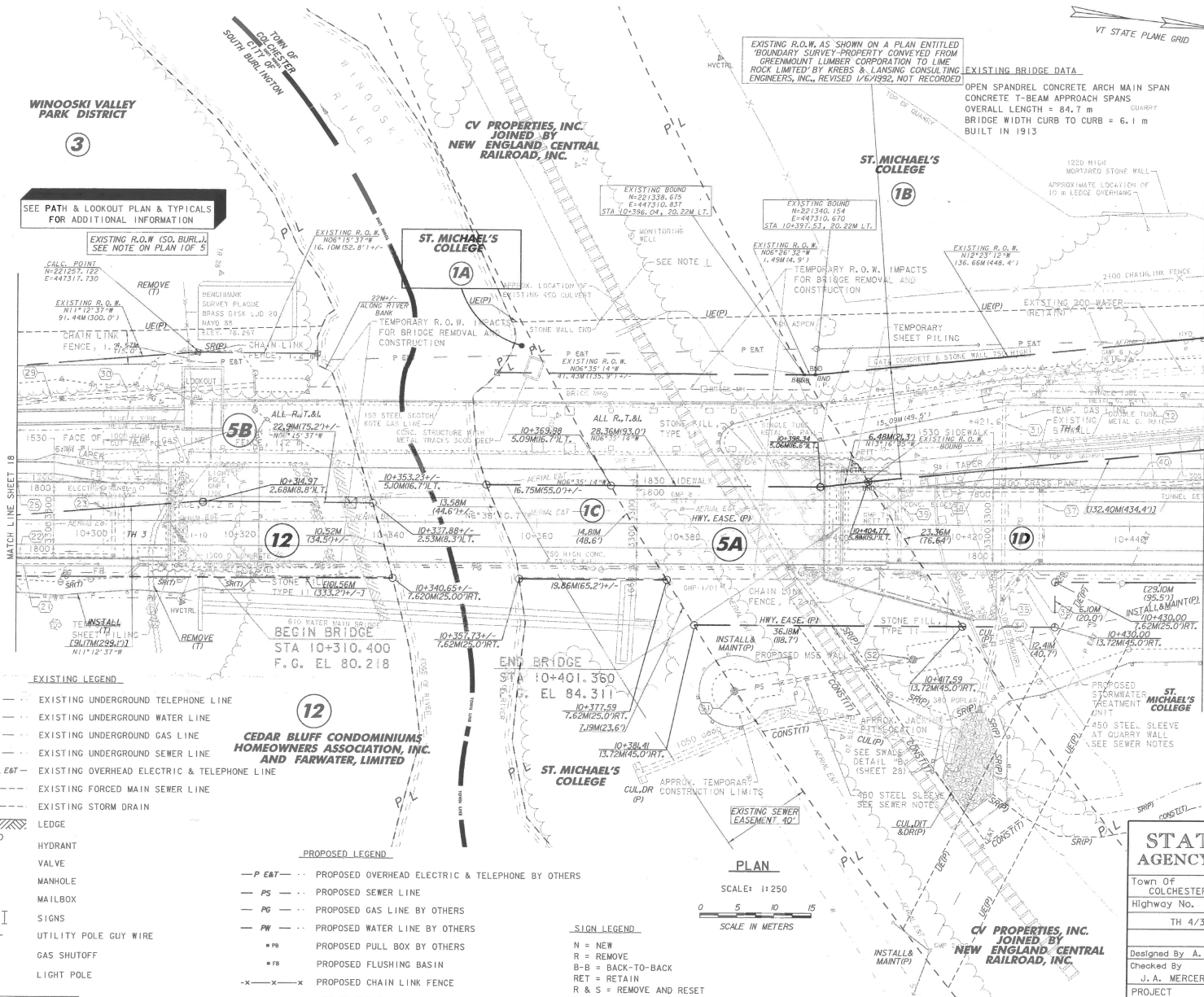
|                                       |                             |                          |                    |
|---------------------------------------|-----------------------------|--------------------------|--------------------|
| Town Of                               | COLCHESTER-SOUTH BURLINGTON | Bridge No.               | 6                  |
| Highway No.                           | TH 4/3                      | Log Sta.                 |                    |
|                                       |                             | Surv. Sta.               |                    |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R. |                             |                          |                    |
| <b>PLAN (2 OF 5)</b>                  |                             |                          |                    |
| Designed By                           | A. J. CRAWFORD              | Drawn By                 | C. S. MERCER       |
| Checked By                            | J. A. MERCER                | Date                     | 6/03               |
|                                       |                             | Bridge Design Supervisor | S. M. GUNN         |
|                                       |                             | Date                     | 6/03               |
| PROJECT                               | COLCHESTER-SOUTH BURLINGTON | PROJECT NO.              | BRM 5600 (6) S C/2 |
| L.G.C. Info.                          |                             |                          |                    |
| R.O.W. SHEET 18 OF 21                 |                             | SHEET 11 OF 124          |                    |

MAY 12 2010

# WINOOSKI VALLEY PARK DISTRICT

SEE PATH & LOOKOUT PLAN & TYPICALS FOR ADDITIONAL INFORMATION

EXISTING R.O.W. (SO. BURL.)  
SEE NOTE ON PLAN 10F 5



## EXISTING LEGEND

- UT --- EXISTING UNDERGROUND TELEPHONE LINE
- W --- EXISTING UNDERGROUND WATER LINE
- G --- EXISTING UNDERGROUND GAS LINE
- S --- EXISTING UNDERGROUND SEWER LINE
- AERIAL E&T --- EXISTING OVERHEAD ELECTRIC & TELEPHONE LINE
- FM --- EXISTING FORCED MAIN SEWER LINE
- SD --- EXISTING STORM DRAIN
- LEDGE
- HYD --- HYDRANT
- VALVE
- MANHOLE
- MAILBOX
- SIGNS
- UTILITY POLE GUY WIRE
- GAS SHUTOFF
- LIGHT POLE

**CEDAR BLUFF CONDOMINIUMS HOMEOWNERS ASSOCIATION, INC. AND FARWATER, LIMITED**

## PROPOSED LEGEND

- P E&T --- PROPOSED OVERHEAD ELECTRIC & TELEPHONE BY OTHERS
- PS --- PROPOSED SEWER LINE
- PG --- PROPOSED GAS LINE BY OTHERS
- PW --- PROPOSED WATER LINE BY OTHERS
- PF --- PROPOSED PULL BOX BY OTHERS
- FB --- PROPOSED FLUSHING BASIN
- PCF --- PROPOSED CHAIN LINK FENCE
- TOP OF CUT TO MATCH EXISTING
- TOE OF SLOPE TO MATCH EXISTING

## SIGN LEGEND

- N = NEW
- R = REMOVE
- B-B = BACK-TO-BACK
- RET = RETAIN
- R & S = REMOVE AND RESET
- R & N = REMOVE AND NEW
- RETURN TO CITY OF SO. BURLINGTON

## PLAN

SCALE: 1"=250'  
SCALE IN METERS

**CV PROPERTIES, INC. JOINED BY NEW ENGLAND CENTRAL RAILROAD, INC.**

EXISTING BRIDGE DATA  
OPEN SPANDREL CONCRETE ARCH MAIN SPAN  
CONCRETE T-BEAM APPROACH SPANS  
OVERALL LENGTH = 84.7 m  
BRIDGE WIDTH CURB TO CURB = 6.1 m  
BUILT IN 1913

## CONSTRUCTION NOTES

- CONSTRUCT CONCRETE CURB**  
STA 10+290 - STA 10+301.5, LT & RT  
STA 10+301.5 - STA 10+306.5, LT & RT  
(175 TO 225 REVEAL)  
STA 10+407.3 - STA 10+412.3, LT & RT  
(225 TO 175 REVEAL)  
STA 10+412.3 - STA 10+450, LT & RT
- CONSTRUCT SIDEWALK**  
STA 10+290 - STA 10+310.4, LT  
STA 10+401.4 - STA 10+450, LT
- BRIDGE RAILING**  
**CONCRETE TEXAS RAIL**  
STA 10+306.5 - STA 10+407.3, LT & RT
- STEEL BEAM GUARD RAIL**  
STA 10+290 - STA 10+306.5, RT  
STA 10+295 - STA 10+306.5, LT  
STA 10+407.3 - STA 10+428, LT  
STA 10+407.3 - STA 10+450, RT  
**ANCHOR FOR STEEL BEAM GUARD RAIL**  
STA 10+297, LT  
STA 10+426, LT
- DURABLE 100 mm WHITE LINE**  
STA 10+290 - STA 10+450, LT & RT
- DURABLE 100 mm YELLOW LINE (DOUBLE CENTER LINE)**  
STA 10+290 - STA 10+450
- REMOVE EXISTING GUARD RAIL**  
STA 10+309 - STA 10+313, LT  
STA 10+311 - STA 10+313, LT  
STA 10+400 - STA 10+403, LT  
STA 10+400 - STA 10+408, LT  
STA 10+400 - STA 10+441, LT  
STA 10+416, RT - STA 10+450, LT
- REMOVE EXISTING FENCE**  
STA 10+313, LT  
STA 10+417, RT - STA 10+450, LT
- CONSTRUCT CHAIN LINK FENCE**  
STA 10+406 - STA 10+419, RT
- CONSTRUCT 3 RAIL TUBULAR FENCE**  
STA 10+313, LT

Lines shown on this plan as existing property lines P/L are believed to be accurate but should not be relied upon for purposes unrelated to the town of Colchester and the city of Burlington's acquisition of land and rights for this project.

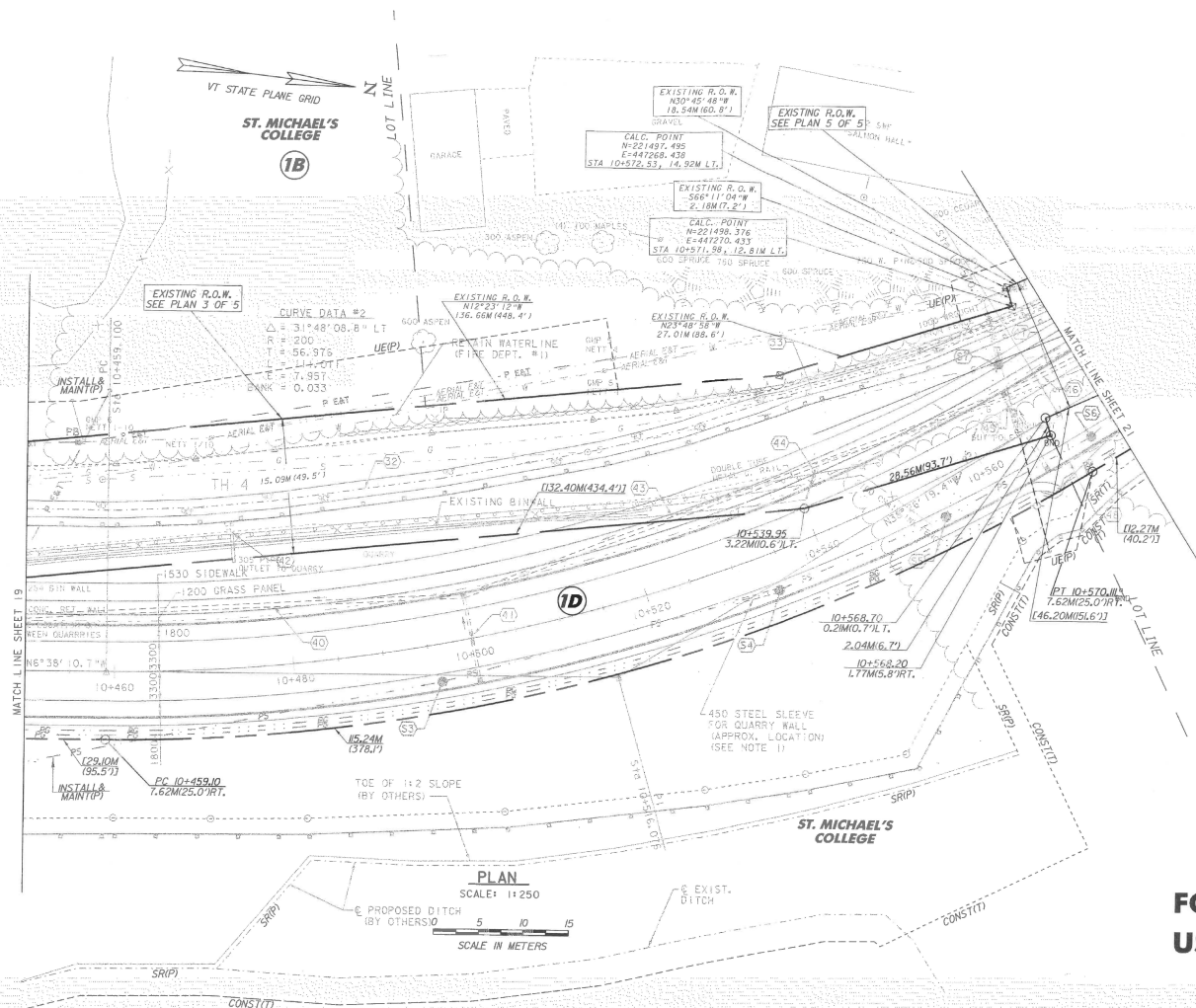
**FOR R.O.W. USE ONLY**

## STATE OF VERMONT AGENCY OF TRANSPORTATION

|                                       |                             |                          |                    |
|---------------------------------------|-----------------------------|--------------------------|--------------------|
| Town Of                               | COLCHESTER-SOUTH BURLINGTON | Bridge No.               | 6                  |
| Highway No.                           | TH 4/3                      | Log Sta.                 |                    |
|                                       |                             | Surv. Sta.               |                    |
| TH 4/3 OVER WINOOSKI RIVER & N.E.C.R. |                             |                          |                    |
| PLAN (3 OF 5)                         |                             |                          |                    |
| Designed By                           | A. J. CRAWFORD              | Drawn By                 | C. S. MERCER       |
| Checked By                            | J. A. MERCER                | Bridge Design Supervisor | S. M. GUNN         |
| Date                                  | 6/03                        | Date                     | 6/03               |
| PROJECT                               | COLCHESTER-SOUTH BURLINGTON | PROJECT NO.              | BRM 5600 (6) S C/2 |
| I.G.C. Info.                          |                             | R.O.W. SHEET 19 OF 21    |                    |
|                                       |                             | SHEET 12 OF 124          |                    |

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (92)

MAY 12 2010



- LEGEND**
- UT — EXISTING UNDERGROUND TELEPHONE LINE
  - W — EXISTING UNDERGROUND WATER LINE
  - G — EXISTING UNDERGROUND GAS LINE
  - S — EXISTING UNDERGROUND SEWER LINE
  - AERIAL E&T — EXISTING OVERHEAD ELECTRIC & TELEPHONE LINE
  - FM — EXISTING FORCED MAIN SEWER LINE
  - SD — EXISTING STORM DRAIN
  - HYD — HYDRANT
  - — VALVE
  - ⊙ — MANHOLE
  - ⌋ — MAILBOX
  - ⌋ — SIGNS
  - ⌋ — UTILITY POLE GUY WIRE
  - ⊙ — GAS SHUTOFF
  - ⌋ — LIGHT POLE
  - P E&T — PROPOSED OVERHEAD ELECTRIC & TELEPHONE BY OTHERS
  - PS — PROPOSED SEWER LINE
  - PG — PROPOSED GAS LINE BY OTHERS
  - PW — PROPOSED WATER LINE BY OTHERS
  - PB — PROPOSED PULL BOX BY OTHERS
  - FB — PROPOSED FLUSHING BASIN
  - △---△--- TOP OF CUT TO MATCH EXISTING
  - ⊙---⊙--- TOE OF SLOPE TO MATCH EXISTING

- SIGN LEGEND**
- N = NEW
  - R = REMOVE
  - B-B = BACK-TO-BACK
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  - R & S = REMOVE AND RESET
  - R & N = REMOVE AND NEW
  - ⊙ = RETURN TO CITY OF SO. BURLINGTON

**FOR R.O.W.  
USE ONLY**

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES P/L ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE TOWN OF COLCHESTER'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

**CONSTRUCTION NOTES**

- CONSTRUCT SIDEWALK  
STA 10+450 - STA 10+575, LT
- CONSTRUCT CONCRETE CURB  
STA 10+450 - STA 10+575, RT  
STA 10+450 - STA 10+575, LT
- STEEL BEAM GUARDRAIL  
STA 10+450 - STA 10+567, RT

ANCHOR FOR STEEL BEAM GUARDRAIL  
STA 10+565, RT

DURABLE 100 mm WHITE LINE  
STA 10+450 - STA 10+575, LT & RT

DURABLE 100 mm YELLOW LINE (DOUBLE CENTER LINE)  
STA 10+450 - STA 10+575

REMOVE EXISTING GUARD RAIL  
STA 10+450 - STA 10+550, LT

REMOVE EXISTING FENCE  
STA 10+450 - STA 10+550, LT

**SEE DRAINAGE AND SEWER NOTES  
& DETAILS ON SHEETS 13 & 14**  
(R.O.W. SHEETS 5 & 6)

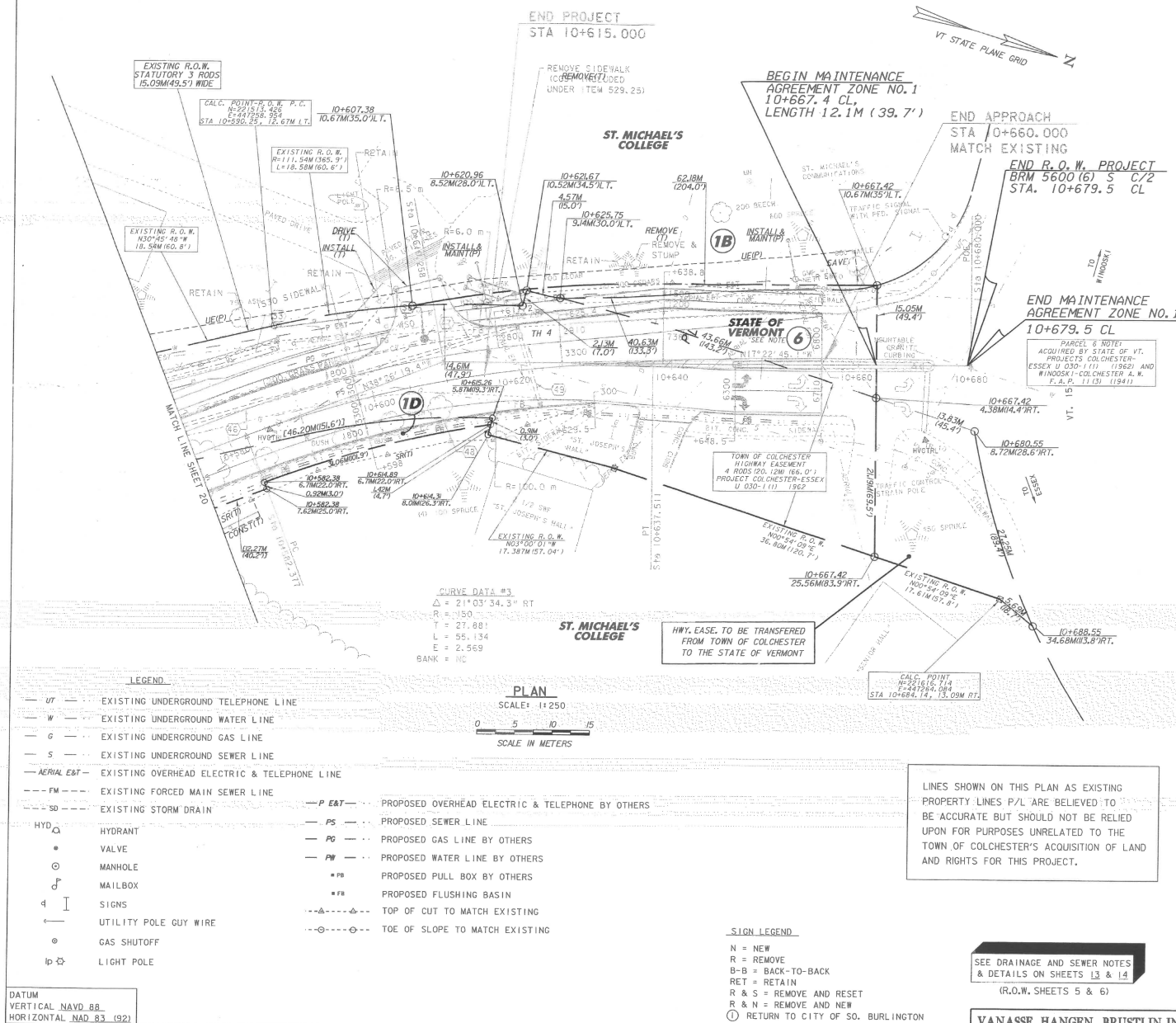
**VANASSE HANGEN BRUSTLIN, INC.**

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

|                      |                                       |                          |                    |
|----------------------|---------------------------------------|--------------------------|--------------------|
| Town Of              | COLCHESTER-SOUTH BURLINGTON           | Bridge No.               | 6                  |
| Highway No.          | TH 4/3                                | Log Sta.                 |                    |
|                      | TH 4/3 OVER WINDOSKI RIVER & N.E.C.R. | Surv. Sta.               |                    |
| <b>PLAN (4 OF 5)</b> |                                       |                          |                    |
| Designed By          | A.J. CRAWFORD                         | Drawn By                 | C.S. MERCER        |
| Checked By           | J.A. MERCER                           | Bridge Design Supervisor |                    |
| Date                 | 6/03                                  | Date                     | 6/03               |
| PROJECT              | COLCHESTER-SOUTH BURLINGTON           | PROJECT NO.              | BRM 5600 (6) S C/2 |
| I.G.C. Info.         |                                       | R.O.W. SHEET 20 OF 21    | SHEET 13 OF 124    |

DATUM  
VERTICAL NAD 88  
HORIZONTAL NAD 83 (92)

MAY 12 2010



LINES SHOWN ON THIS PLAN AS EXISTING  
PROPERTY LINES P/L ARE BELIEVED TO  
BE ACCURATE BUT SHOULD NOT BE RELIED  
UPON FOR PURPOSES UNRELATED TO THE  
TOWN OF COLCHESTER'S ACQUISITION OF LAND  
AND RIGHTS FOR THIS PROJECT.

# STATE OF VERMONT AGENCY OF TRANSPORTATION

|             |                             |            |   |
|-------------|-----------------------------|------------|---|
| Town Of     | COLCHESTER-SOUTH BURLINGTON | Bridge No. | 6 |
| Highway No. | TH 4/3                      | Log Sta.   |   |
|             |                             | Surv. Sta. |   |

TH 4/3 OVER WINOOSKI RIVER & N.E.C.R.

## PLAN (5 OF 5)

|             |               |                          |             |
|-------------|---------------|--------------------------|-------------|
| Designed By | A.J. CRAWFORD | Drawn By                 | C.S. MERCER |
| Checked By  | Date          | Bridge Design Supervisor |             |
| J.A. MERCER | 6/03          | S.M. GUNN                | Date 6/03   |

|              |                             |             |                    |
|--------------|-----------------------------|-------------|--------------------|
| PROJECT      | COLCHESTER-SOUTH BURLINGTON | PROJECT NO. | BRM 5600 (6) S C/2 |
| L.G.C. Info. |                             |             |                    |

R.O.W. SHEET 21 OF 21

SEE DRAINAGE AND SEWER NOTES  
& DETAILS ON SHEETS 13 & 14  
(R.O.W. SHEETS 5 & 6)

VANASSE HANGEN BRUSTLIN, INC.