

District 1
Certcode 0206-0

**CERTIFICATE OF HIGHWAY MILEAGE
YEAR ENDING FEBRUARY 10, 2017**

Fill out form, make and file copy with the Town Clerk, and mail ORIGINAL, before February 20, 2017 to:
Vermont Agency of Transportation, Division of Policy, Planning and Intermodal Development, Mapping Section
One National Life Drive, Montpelier, VT 05633.

We, the members of the legislative body of MANCHESTER in BENNINGTON County
on an oath state that the mileage of highways, according to Vermont Statutes Annotated, Title 19, Section 305,
added 1985, is as follows:

PART I - CHANGES TOTALS - Please fill in and calculate totals.

| Town Highways | Previous Mileage | Added Mileage | Subtracted Mileage | Total | Scenic Highways |
|----------------|------------------|---------------|--------------------|---------------|-----------------|
| Class 1 | 4.583 | 0.150 | | 4.733 | 0.000 |
| Class 2 | 15.650 | | | | 0.000 |
| Class 3 | 23.37 | | | | 0.000 |
| State Highway | 16.596 | | | | 0.000 |
| Total | 60.199 | | | 60.349 | 0.000 |
| * Class 1 Lane | 0.559 | | | | |
| * Class 4 | 7.41 | | | | 0.000 |
| * Legal Trail | 0.00 | | | | |

* Mileage for Class 1 Lane, Class 4, and Legal Trail classifications are NOT included in total.

PART II - INFORMATION AND DESCRIPTION OF CHANGES SHOWN ABOVE. Totals by

1. NEW HIGHWAYS: Please attach Selectmen's "Certificate of Completion and Opening". S. Moulton
3/30/2017

2. DISCONTINUED: Please attach SIGNED copy of proceedings (minutes of meeting).

3. RECLASSIFIED/REMEASURED: Please attach SIGNED copy of proceedings (minutes of meeting).
Changes due to traffic circle project STP 0137(17)S:
+0.133 mi CL1 TH-1 (Main St)
+0.004 mi CL1 TH-2 (Bonnet St)
+0.013 mi CL1 TH-3 (Depot St)

4. SCENIC HIGHWAYS: Please attach a copy of order designating/discontinuing Scenic Highways.

IF THERE ARE NO CHANGES IN MILEAGE: Check box and sign below. []

PART III - SIGNATURES - PLEASE SIGN.

Selectmen/ Aldermen/ Trustees Signatures: _____

T/C/V Clerk Signature: _____ Date Filed: _____

Please sign ORIGINAL and return it for Transportation signature.

AGENCY OF TRANSPORTATION APPROVAL: Signed copy will be returned to T/C/V Clerk.

APPROVED:  DATE: 4/6/2017
Representative, Agency of Transportation

District 1
Certcode 0206-0

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| State Highway | 16.596 | | | | 0.000 |
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| * Class 1 Lane | 0.559 | | | | |
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PART III - SIGNATURES - PLEASE SIGN.

Selectmen/ Aldermen/ Trustees Signatures:

[Handwritten signatures]

T/C/V Clerk Signature:

[Handwritten signature]

Date Filled: 04/05/2017

Please sign ORIGINAL and return it for Transportation signature.

AGENCY OF TRANSPORTATION APPROVAL: Signed copy will be returned to T/C/V Clerk.

APPROVED:

[Handwritten signature]
Representative, Agency of Transportation

DATE:

4/16/2017

District 1
Certcode 0206-0

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YEAR ENDING FEBRUARY 10, 2017**

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| State Highway | 16.596 | | | | 0.000 |
| Total | 60.199 | | | | 0.000 |
| * Class 1 Lane | 0.559 | | | | |
| * Class 4 | 7.41 | | | | 0.000 |
| * Legal Trail | 0.00 | | | | |

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+0.004 mi CL1 TH-2 (Bonnet St)
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- SCENIC HIGHWAYS:** Please attach a copy of order designating/discontinuing Scenic Highways.

IF THERE ARE NO CHANGES IN MILEAGE: Check box and sign below.

PART III - SIGNATURES - PLEASE SIGN.

Selectmen/ Aldermen/ Trustees Signatures:

[Handwritten signatures]

[Handwritten signatures]

[Handwritten signatures]

T/C/V Clerk Signature:

[Handwritten signature]

Date Filed: 04/05/2017

Please sign ORIGINAL and return it for Transportation signature.

AGENCY OF TRANSPORTATION APPROVAL: Signed copy will be returned to T/C/V Clerk.

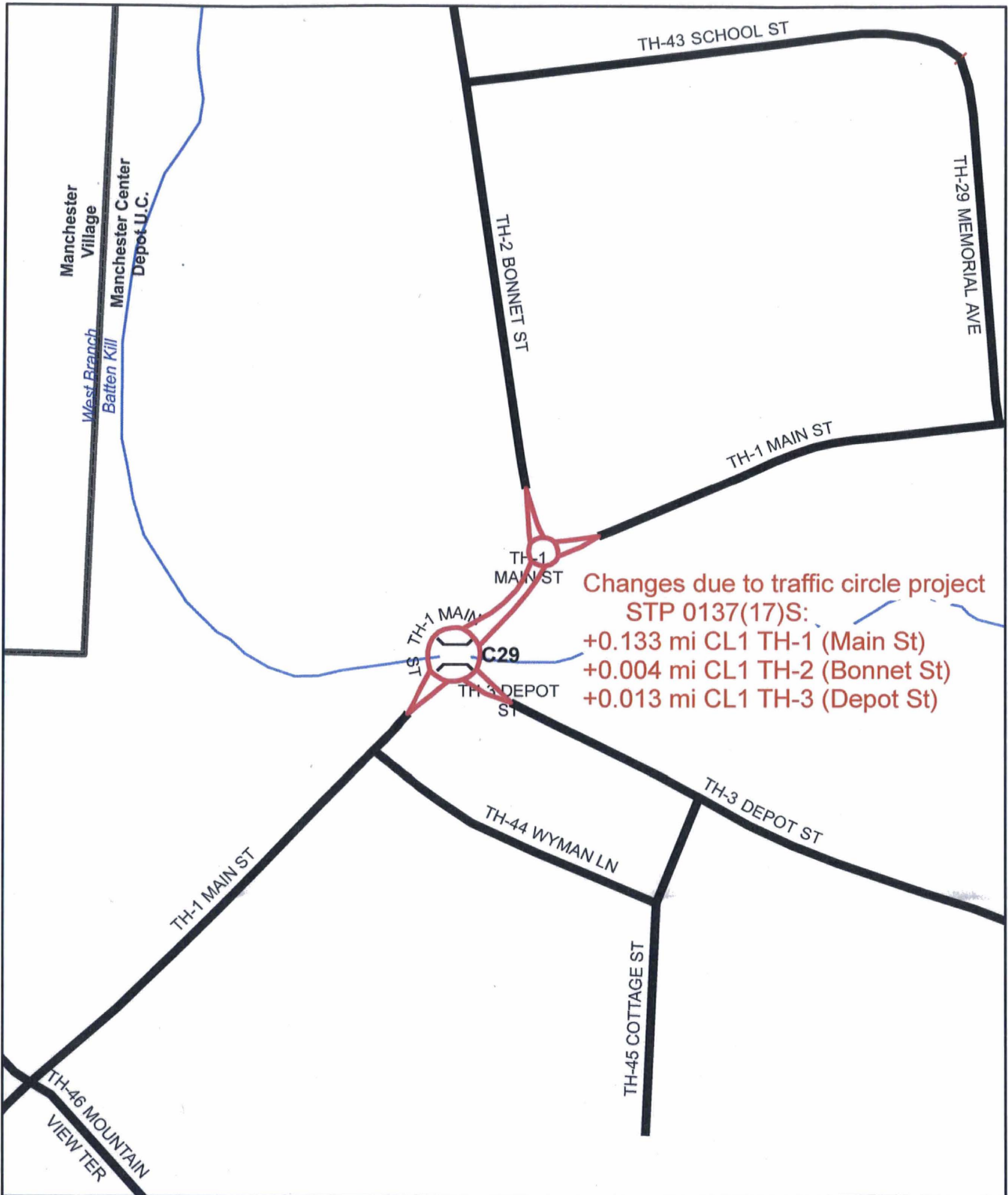
APPROVED: _____
Representative, Agency of Transportation

DATE: _____

Received

APR 07 2017

**Policy, Planning & Intermodal
Development Division**



Mileage Certificate Change 2017 MANCHESTER

(CTCODE: 0206)

Mapping Section
Division of Policy, Planning and Intermodal Development
Vermont Agency of Transportation - March 2017



0 Miles 0.05



Moulton, Sara

From: SHELDON, ANITA <a.sheldon@manchester-vt.gov>
Sent: Monday, March 27, 2017 11:05 AM
To: Moulton, Sara
Subject: Re: Corrected Manchester Mileage Certificate

Hi Sara,
The board will sign it on Tuesday, April 4th and I will send you the hard copy on Wednesday, April 5th.
Thanks,
Anita

On Mon, Mar 27, 2017 at 10:59 AM, Moulton, Sara <Sara.Moulton@vermont.gov> wrote:

Yes, thank you.

The signed hard copy version should be mailed to:

Vermont Agency of Transportation

PPID Division – Mapping Section

1 National Life Drive

Montpelier, VT 05633-5001

You can email a scanned version to me if you like, although a scanned version is not necessary.

Sara Moulton

From: SHELDON, ANITA [mailto:a.sheldon@manchester-vt.gov]
Sent: Monday, March 27, 2017 10:53 AM
To: Moulton, Sara <Sara.Moulton@vermont.gov>
Subject: Re: Corrected Manchester Mileage Certificate

Hi Sara,

Should the Selectboard sign the corrected form and send it in?

Thanks,

Anita

On Mon, Mar 27, 2017 at 10:40 AM, Moulton, Sara <Sara.Moulton@vermont.gov> wrote:

Attn: Ivan Beattie, Manchester Selectboard Chair c/o Town Clerk,

During a data check between our road centerline data and the mileage certificate data, it was discovered that an incorrect mileage amount was preloaded by VTrans on Manchester's 2017 Certificate of Highway Mileage. Attached is a corrected version. The error was in the calculation of the mileage involved with Class 1 TH-1 and the changed mileage due to the roundabout.

Please discard the previous mileage certificate mailed in January. We will be processing the mileage this week based on the mileage in the attached certificate.

Please let me know if you have any questions.

Sara Moulton, GISP

Mapping & GIS Specialist, Mapping Section

Division of Policy, Planning and Intermodal Development

Vermont Agency of Transportation (VTrans)

Email: sara.moulton@vermont.gov

Tel: [802-828-2109](tel:802-828-2109)

--

Anita L. Sheldon,

Town Clerk, Manchester, VT
6039 Main Street / PO Box 830
Manchester Center, Vermont 05255
(802) 362 1313 Option 1
a.sheldon@manchester-vt.gov

--
Anita L. Sheldon,
Town Clerk, Manchester, VT
6039 Main Street / PO Box 830
Manchester Center, Vermont 05255
(802) 362 1313 Option 1
a.sheldon@manchester-vt.gov

Moulton, Sara

From: Moulton, Sara
Sent: Monday, March 27, 2017 10:40 AM
To: 'a.sheldon@manchester-vt.gov'
Cc: Croft, Johnathan; Grimaldi, Kevan; Alley, Kerry
Subject: Corrected Manchester Mileage Certificate
Attachments: Manchester_cert_2017_corrected.pdf

Attn: Ivan Beattie, Manchester Selectboard Chair c/o Town Clerk,

During a data check between our road centerline data and the mileage certificate data, it was discovered that an incorrect mileage amount was preloaded by VTrans on Manchester's 2017 Certificate of Highway Mileage. Attached is a corrected version. The error was in the calculation of the mileage involved with Class 1 TH-1 and the changed mileage due to the roundabout.

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Please let me know if you have any questions.

Sara Moulton, GISP
Mapping & GIS Specialist, Mapping Section
Division of Policy, Planning and Intermodal Development
Vermont Agency of Transportation (VTrans)
Email: sara.moulton@vermont.gov
Tel: 802-828-2109

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PART I - CHANGES TOTALS - Please fill in and calculate totals.

Table with 6 columns: Town Highways, Previous Mileage, Added Mileage, Subtracted Mileage, Total, Scenic Highways. Rows include Class 1, Class 2, Class 3, State Highway, Total, * Class 1 Lane, * Class 4, * Legal Trail.

* Mileage for Class 1 Lane, Class 4, and Legal Trail classifications are NOT included in total.

PART II - INFORMATION AND DESCRIPTION OF CHANGES SHOWN ABOVE.

1. NEW HIGHWAYS: Please attach Selectmen's "Certificate of Completion and Opening".

totals checked by K. Gamaldi 23/03/2017

2. DISCONTINUED: Please attach SIGNED copy of proceedings (minutes of

3. RECLASSIFIED/REMEASURED: Please attach SIGNED copy of proceed

Changes due to roundabout project STP 0137(17)S:

- +2.140 mi CL1 TH-1 (Main St)
+0.004 mi CL1 TH-2 (Bonnet St)
+0.013 mi CL1 TH-3 (Depot St)

4. SCENIC HIGHWAYS: Please attach a copy of order designating/discontin

MANCHESTER - 0206
rdsmall - 23/03/2017
rtlogpts - ?
2nd etc -
mzpd - 23/03/2017
THDATA - 23/03/2017
papers - 23/03/2017

IF THERE ARE NO CHANGES IN MILEAGE: Check box and sign below. []

PART III - SIGNATURES - PLEASE SIGN.

Selectmen/ Aldermen/ Trustees Signatures:

T/C/V Clerk Signature:

Date Filed:

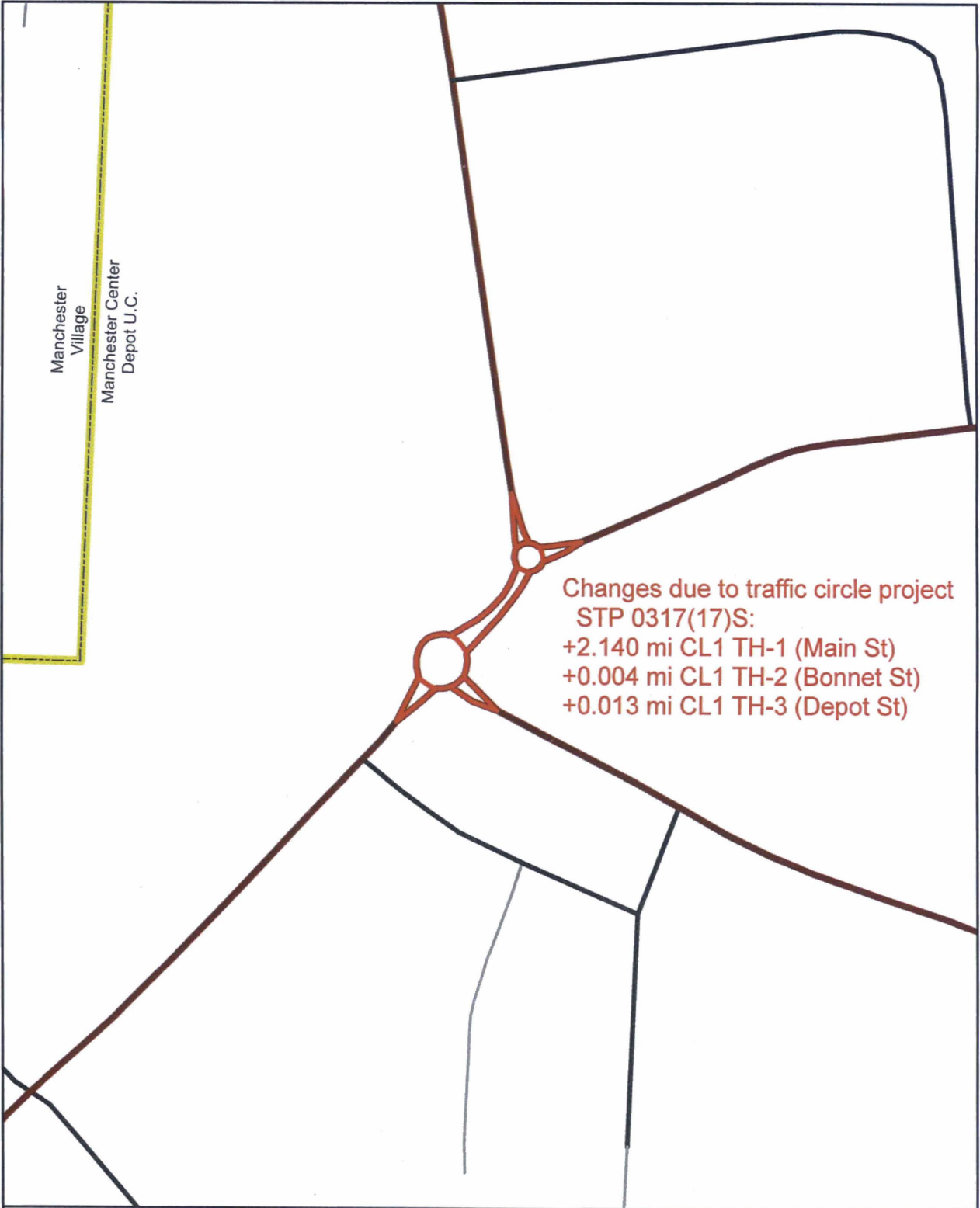
Please sign ORIGINAL and return it for Transportation signature.

AGENCY OF TRANSPORTATION APPROVAL: Signed copy will be returned to T/C/V Clerk.

APPROVED:

DATE:

Representative, Agency of Transportation

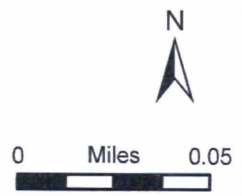


Manchester
Village
Manchester Center
Depot U.C.

Changes due to traffic circle project
STP 0317(17)S:
+2.140 mi CL1 TH-1 (Main St)
+0.004 mi CL1 TH-2 (Bonnet St)
+0.013 mi CL1 TH-3 (Depot St)

Mileage Certificate Change 2017
MANCHESTER
(CTCODE: 0206)

Mapping Section
Division of Policy, Planning and Intermodal Development
Vermont Agency of Transportation - March 2017



MANCHESTER ROUNDABOUT (Dec 2016)

Z:\PPID\PPAndRBureau\Mapping\Mileage_Certs\Correspondence\2017\0206_MANCHESTER\[Manchester_roundabout_RtLogPt_mileages.xlsx]Sheet2

AOTMILES

| VT-30 (Northbound) | | Station | LRTWN_MI | LRETE_MI | FAID |
|--------------------|-------------------|---------|----------|----------|--------------|
| SB | Roundabout | 0 | 0 | 39.474 | |
| | | | 90 | 0.017 | 500030250857 |
| BB | VT-30 Split Start | 90 | 0.017 | 39.491 | |
| | | | 718 | 0.136 | 500030250858 |
| | TH-43 School St | 808 | 0.153 | 39.627 | |
| Total distance | | | | 0.153 | |

was 877 0.166 39.640
Delta

VT-30

-0.013 delta

Δ-70 Feet

| VT-30 (Sounthbound) | | Station | LRTWN_MI | LRETE_MI | FAID |
|---------------------|-------------------|---------|----------|----------|--------------|
| BB | VT-30 Split Start | 90 | 0.017 | 39.491 | |
| | | | 90 | 0.017 | 500030250856 |
| SC | Roundabout | 0 | 0 | 39.474 | |
| | | | 718 | 0.136 | 500030250858 |
| Total distance | | | | 0.153 | |

Total Northbound VT-30 - 0.10 2.785
New 2.772

MANCHESTER ROUNDABOUT (Dec 2016)

Z:\PPID\PPAndRBureau\Mapping\Mileage_Certs\Correspondence\2017\0206_MANCHESTER\[Manchester_roundabout_RtLogPt_mileages.xlsx]VT-30

AOTMILES

| VT-11 (Eastbound) | Station | LRTWN_MI | LRETE_MI | FAID |
|--------------------------|---------|----------|----------|--------------|
| C at roundabout | 0 | 0 | 0.000 | |
| | | | 0.018 | 500030250875 |
| AA split start | 95 | 0.018 | 0.018 | |
| | | | 0.068 | 500030250877 |
| TH-45 Cottage St | 454 | 0.086 | 0.086 | |
| previous figures | 469 | 0.089 | 0.089 | |
| VT-11 (Westbound) | | | | |
| AA | 95 | 0.018 | 0.018 | |
| | | 42 | 0.008 | 500030250876 |
| D | 53 | 0.010 | 0.010 | |

VT-11
delta -0.003
-16 Feet

Total Eastbound VT-11 - Old 3.250
Now 3.247

MANCHESTER ROUNDABOUT (Dec 2016)

Z:\PPID\PPAndRBureau\Mapping\Mileage_Certs\Correspondence\2017\0206_MANCHESTER\[Manchester_roundabout_RtLogPt_mileages.xlsx]VT-7A

AOTMILES

| VT-7A (Northbound) | Station | LRTWN_MI | LRETE_MI | FAID |
|--------------------|--------------------|----------|----------|---------------------------|
| | TH-44 Wyman Ln | 25280 | 4.788 | 22.973 |
| | | 90 | 0.017 | 500030250873 |
| A | VT-7A Split Start | 25370 | 4.805 | 22.990 |
| | | 90 | 0.017 | 500030250874 |
| B | | 25460 | 4.822 | 23.007 |
| | | 26 | 0.005 | 500030250859 |
| C | | 25486 | 4.827 | 23.012 |
| | | 32 | 0.006 | 500030250855 |
| D | | 25518 | 4.833 | 23.018 |
| | | 42 | 0.008 | 500030250862 |
| E | | 25560 | 4.841 | 23.026 |
| | | 180 | 0.034 | 500030250870 |
| F | | 25739 | 4.875 | 23.060 |
| | | 32 | 0.006 | 500030250868 |
| G | | 25771 | 4.881 | 23.066 |
| | | 79 | 0.015 | 500030250879 |
| H | | 25850 | 4.896 | 23.081 |
| | | 718 | 0.136 | 500030250880 500030250127 |
| | TH-29 Memorial Ave | 26568 | 5.032 | 23.217 |

was 26531 5.025 0.244 23.210

Total was 8.073 - Now 8.080

VT-7A
delta + 0.007
+ 37 Feet

MANCHESTER ROUNDABOUT (Dec 2016)

Z:\PPID\PPAndRBureau\Mapping\Mileage_Certs\Correspondence\2017\0206_MANCHESTER\[Manchester_roundabout_RtLogPt_mileages.xlsx]VT-30

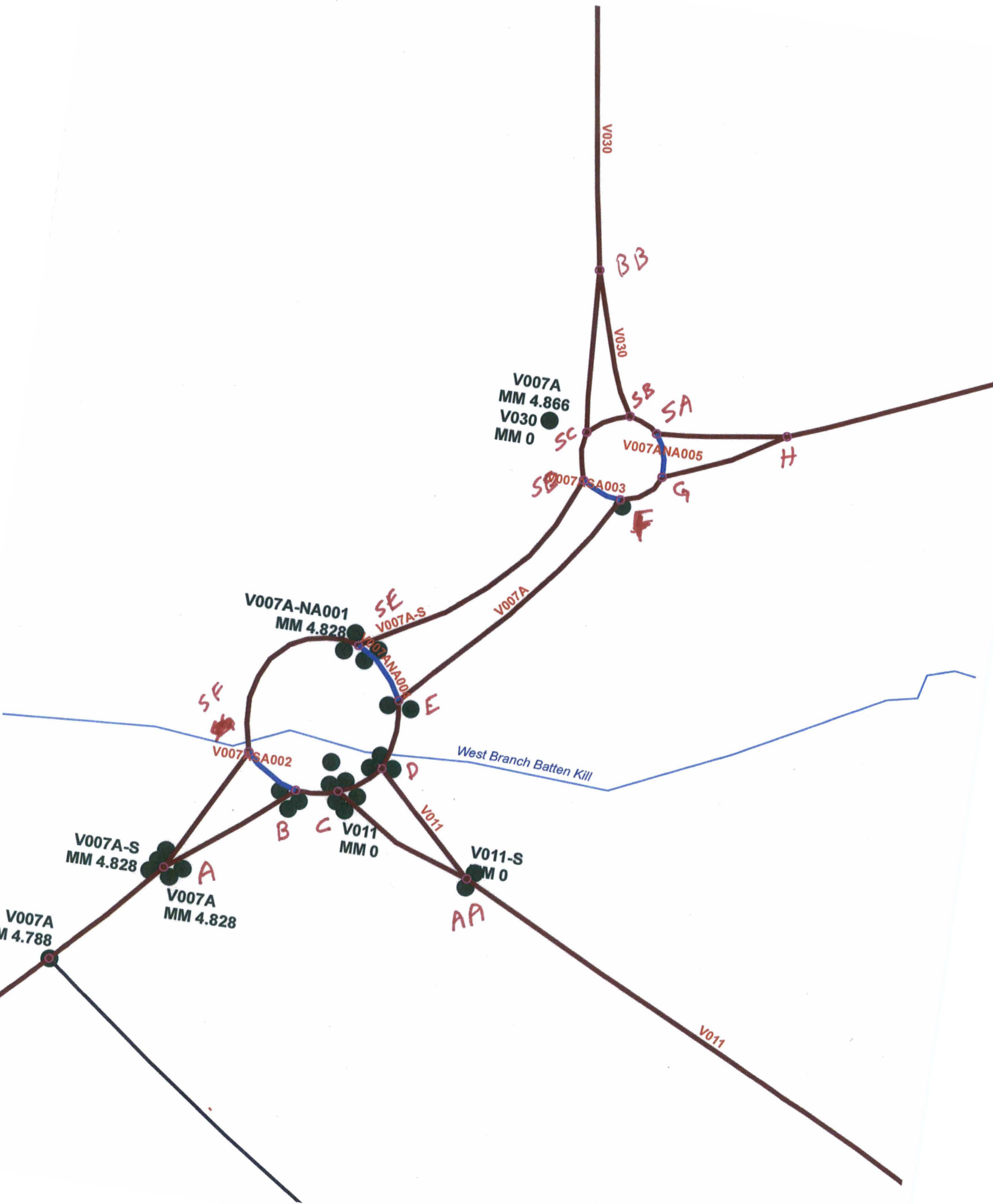
AOTMILES

| VT-7A (Southbound) | Station | LRTWN_MI | LRETE_MI | FAID |
|---------------------------|----------------------------|-----------------|-----------------|--------------|
| | TH-29 Memorial Dr | 26568 | 5.032 | 23.217 |
| | | | 0.136 | |
| H | 25850 | 4.896 | 23.081 | |
| | | 79 | 0.015 | 500030250878 |
| SA | 25771 | 4.881 | 23.066 | |
| | | 21 | 0.004 | 500030250865 |
| SB | 25750 | 4.877 | 23.062 | |
| | | 26 | 0.005 | 500030250864 |
| SC | 25723 | 4.872 | 23.057 | |
| | | 32 | 0.006 | 500030250863 |
| SD | 25692 | 4.866 | 23.051 | |
| | | 174 | 0.033 | 500030250869 |
| SE | 25517 | 4.833 | 23.018 | |
| | | 116 | 0.022 | 500030250871 |
| SF | 25401 | 4.811 | 22.996 | |
| | | 84 | 0.016 | 500030250872 |
| A | 25317 | 4.795 | 22.980 | |
| | | | | |
| | Southbound distance | | 0.101 | |

MANCHESTER ROUNDABOUT (Dec 2016)

Z:\PPID\PPAndRBureau\Mapping\Mileage_Certs\Correspondence\2017\0206_MANCHESTER\[Manchester_roundabout_RtLogPt_mileages.xlsx]VT-7A_approaches

| | Station | LRTWN_MI | LRETE_MI | FAID |
|--|----------------|----------|----------|--------------|
| | V007A0206NA004 | 42 | 0.008 | 500030250869 |
| | V007ANA004 | | | |
| | V007A0206NA005 | 26 | 0.005 | 500030250865 |
| | V007ANA005 | | | |
| | V007A0206SA002 | 37 | 0.007 | 500030250860 |
| | V007ASA002 | | | |
| | V007A0206SA003 | 26 | 0.005 | 500030250869 |
| | V007ASA003 | | | |



V007A
MM 4.866
V030
MM 0

V007A-NA001
MM 4.828

V007A-S
MM 4.828

V007A
MM 4.828

V011
MM 0

V011-S
MM 0

V007A-NA005

V007A-NA003

West Branch Batten Kill

V030

BB

V030

SB

SA

H

F

G

SE

V007A-S

V007A

SE

V007A-NA002

V007A-NA001

E

D

V011

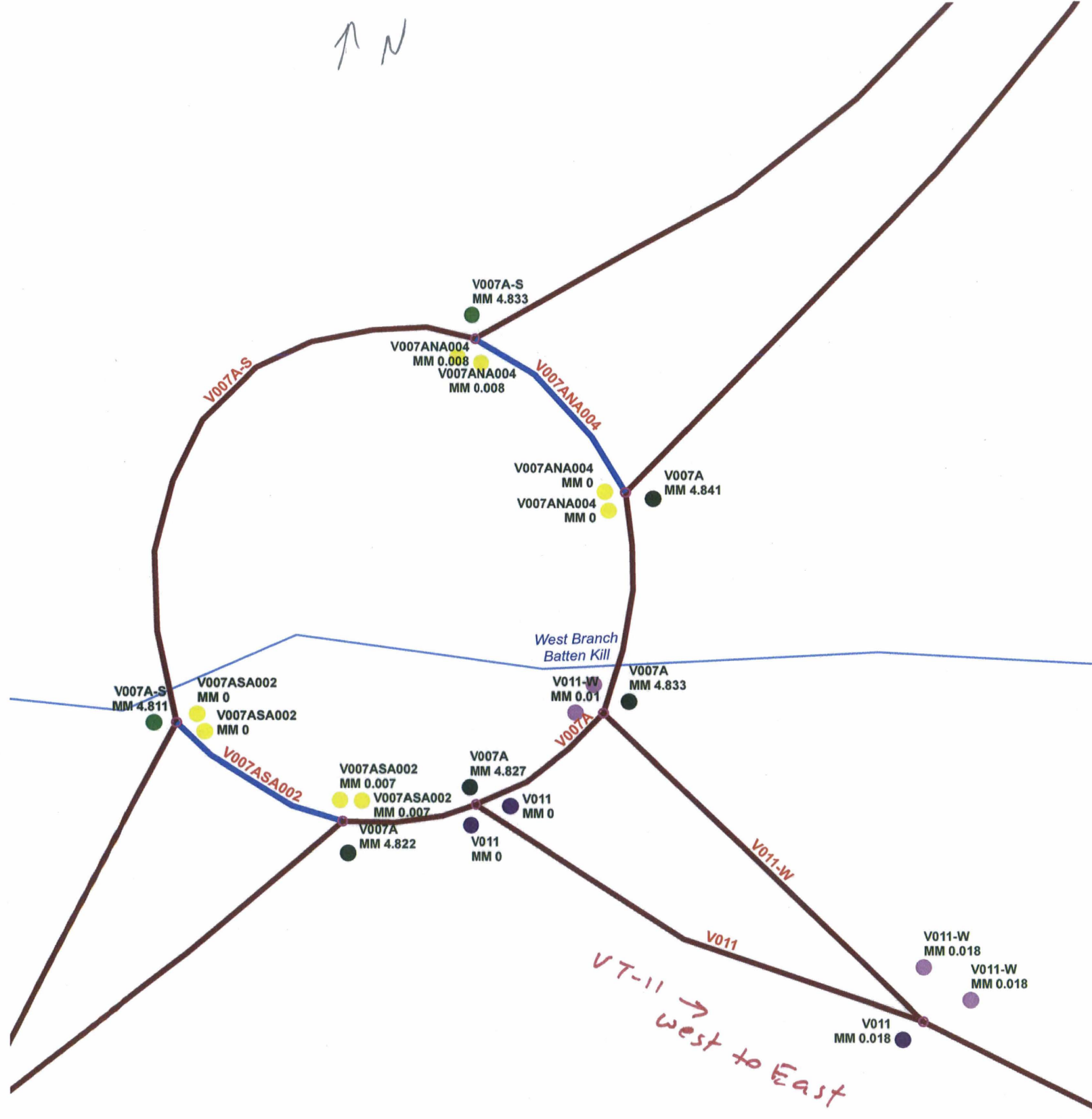
A

B

C

AA

↑ N



Manchester Roundabout 1



V030-S
MM 0.017

V030-S
MM 0.017

V030
MM 0.017

V030-S

V030

V030
MM 0

V030
MM 0

V007A-S
MM 4.877

V007A-S
MM 4.881

V007ANA005
MM 0.005

V007ANA005
MM 0.005

V030-S
MM 0

V007A-S
MM 4.872

V030
MM 0

V007A

V007A-S
MM 4.896

V007A-S
MM 4.896

V007A
MM 4.896

V007ANA005
MM 0

V007ANA005
MM 0

V007ANA005

V007A-S
MM 4.866

V007ASA003
MM 0

V007ASA003
MM 0

V007ASA003
MM 0.005

V007ASA003
MM 0.005

V007A
MM 4.881

V007A-S

V007ASA003

V007A
MM 4.875

Manchester Roundabout 2



State of Vermont
Policy, Planning and Intermodal Development Division-Mapping Section
1 National Life Drive
Montpelier, VT 05633-5001
<http://vtrans.vermont.gov>

Agency of Transportation

Telephone: 802-828-2600
Fax: 802-828-2334

March 16, 2017

Chair, Selectboard
Manchester, c/o Selectboard Clerk
6039 Main St
Manchester Center, VT 05255

TO: TOWN CLERK and SELECTBOARD

In early January, the Vermont Agency of Transportation mailed the annual Certificate of Highway Mileage to you for completion and return. To date, your town's certificate has not been received. We use this certificate to confirm highway mileage for the purpose of allocating state aid for town roads. If we do not receive a completed mileage certificate from you by March 31, we will assume there are no changes from last year's certificate and state aid will be based on those mileages.

The completed mileage certificate should be returned to:

Vermont Agency of Transportation
PPIDD - Mapping Section
1 National Life Drive
Montpelier, VT 05633-5001

Please feel free to contact me with any questions or comments regarding the Mileage Certificates or the process. I can be reached via telephone at (802) 828-2600 or via email at johnathan.croft@vermont.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Johnathan Croft".

Johnathan Croft
AOT GIS Database Administrator

JFC/sem

cc: Mileage Certificate File



MANCHESTER MILEAGE CHANGES

2016-12-23

S.Moulton

| CLASS 1 | New | Old | Diff |
|----------------|------------|------------|--------------|
| TH-1 | 5.159 | 3.019 | 2.14 |
| TH-2 | 0.309 | 0.305 | 0.004 |
| TH-3 | 1.272 | 1.259 | 0.013 |
| Total | | | 2.157 |
| | 6.74 | 4.583 | 2.157 |

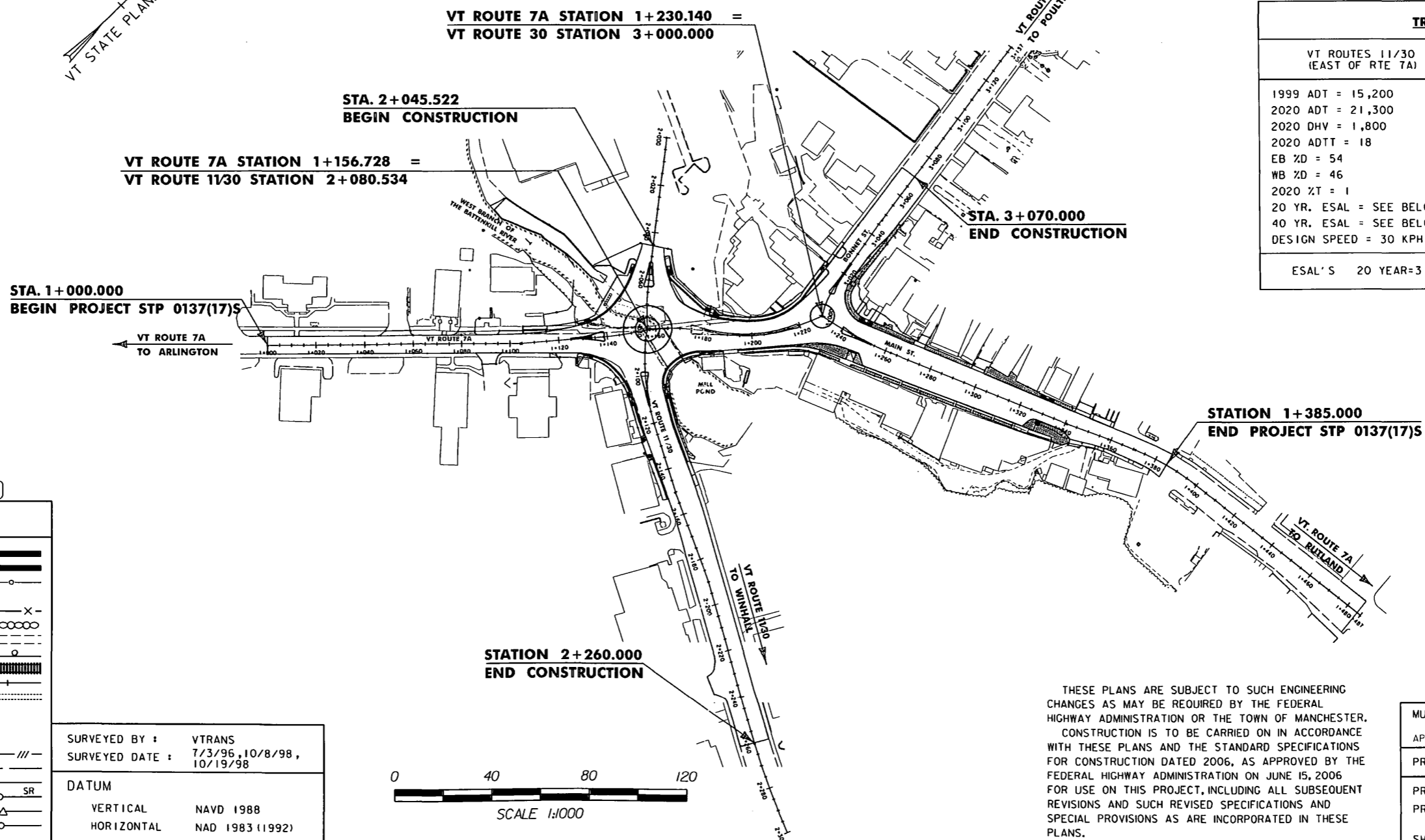
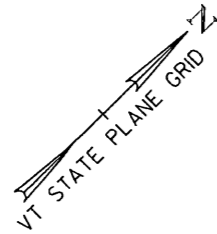
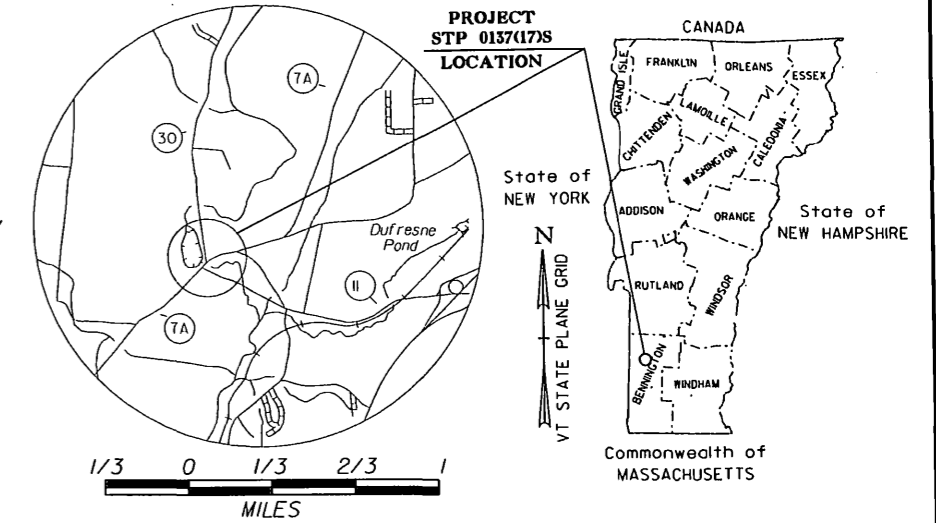
INDEX OF SHEETS
 SEE INDEX AND STANDARDS - SHEET 2
 VTRANS STANDARDS
 SEE INDEX AND STANDARDS - SHEET 2

PROPOSED IMPROVEMENT TOWN OF MANCHESTER COUNTY OF BENNINGTON VT ROUTE 7A / VT ROUTE 11/ VT ROUTE 30

THIS PROJECT IS LOCATED IN THE CENTER OF THE TOWN OF MANCHESTER AT THE INTERSECTION OF VT ROUTES 7A (MAJOR COLLECTOR), 11 (MINOR ARTERIAL), AND 30 (MINOR ARTERIAL). THE ROADWAYS ARE TOWN HIGHWAYS 1, 3, AND 2, RESPECTIVELY.

WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES CONSTRUCTION OF TWO ROUNDABOUTS, BRIDGE WIDENING, RELOCATION OF WATER AND SEWER LINES, COLD PLANING AND RESURFACING OF THE EXISTING ROADWAY WITH A SHIM/LEVELING COURSE AND WEARING COURSE, REMOVAL OF EXISTING CONCRETE ROADWAY & FULL DEPTH ROADWAY RECONSTRUCTION, REMOVAL AND REPLACEMENT OF CURB AND DRAINAGE, NEW TRAFFIC SIGNS AND PAVEMENT MARKINGS, AND INCIDENTAL ITEMS.

LENGTH OF PROJECT = 669.48 METERS = 0.669 KILOMETERS
 LENGTH OF BRIDGE = 25.09 METERS = 0.026 KILOMETERS



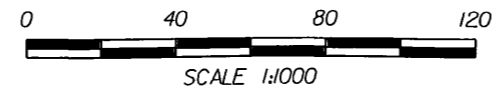
| TRAFFIC DATA | |
|-------------------------------------|-------------------------------------|
| VT ROUTES 11/30 (EAST OF RTE 7A) | VT ROUTE 7A (SOUTH OF RTE 11/30) |
| 1999 ADT = 15,200 | 1999 ADT = 14,000 |
| 2020 ADT = 21,300 | 2020 ADT = 19,600 |
| 2020 DHV = 1,800 | 2020 DHV = 1,810 |
| 2020 ADTT = 18 | 2020 ADTT = 18 |
| EB %D = 54 | EB %D = 52 |
| WB %D = 46 | WB %D = 48 |
| 2020 %T = 1 | 2020 %T = 1 |
| 20 YR. ESAL = SEE BELOW | 20 YR. ESAL = SEE BELOW |
| 40 YR. ESAL = SEE BELOW | 40 YR. ESAL = SEE BELOW |
| DESIGN SPEED = 30 KPH | DESIGN SPEED = 35 KPH |
| ESAL'S 20 YEAR=3,912,000 | 40 YEAR = 9,546,000 |

QUALITY ASSURANCE PROGRAM: LEVEL 2

| CONVENTIONAL SYMBOLS | |
|----------------------|--|
| COUNTY LINE | |
| TOWN LINE | |
| LIMITS OF ACCESS | |
| POINT OF ACCESS | |
| 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 : VTRANS
 SURVEYED DATE : 7/3/96, 10/8/98, 10/19/98

DATUM
 VERTICAL NAVD 1988
 HORIZONTAL NAD 1983 (1992)



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE TOWN OF MANCHESTER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2006, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006 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

MUNICIPAL PROJECT MANAGER
 APPROVED _____ DATE _____
 PROJECT MANAGER : MICHAEL J. CHENETTE

PROJECT NAME : MANCHESTER, VERMONT
 PROJECT NUMBER : STP 0137 (17) S
 SHEET 1 OF 149 SHEETS

99C 336

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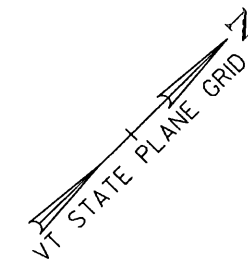
PROJECT NAME: MANCHESTER, VERMONT
PROJECT NUMBER: STP 0137(17)S

FILE NAME: ...PlotFiles\02 INDEX SHEET.p1f PLOT DATE: 12/5/2011
DESIGN SUPERVISOR: GARY SANTY DRAWN BY: STANTEC
DESIGNED BY: STANTEC CHECKED BY: STANTEC
INDEX & STANDARDS - IND 1 SHEET 2 OF 149

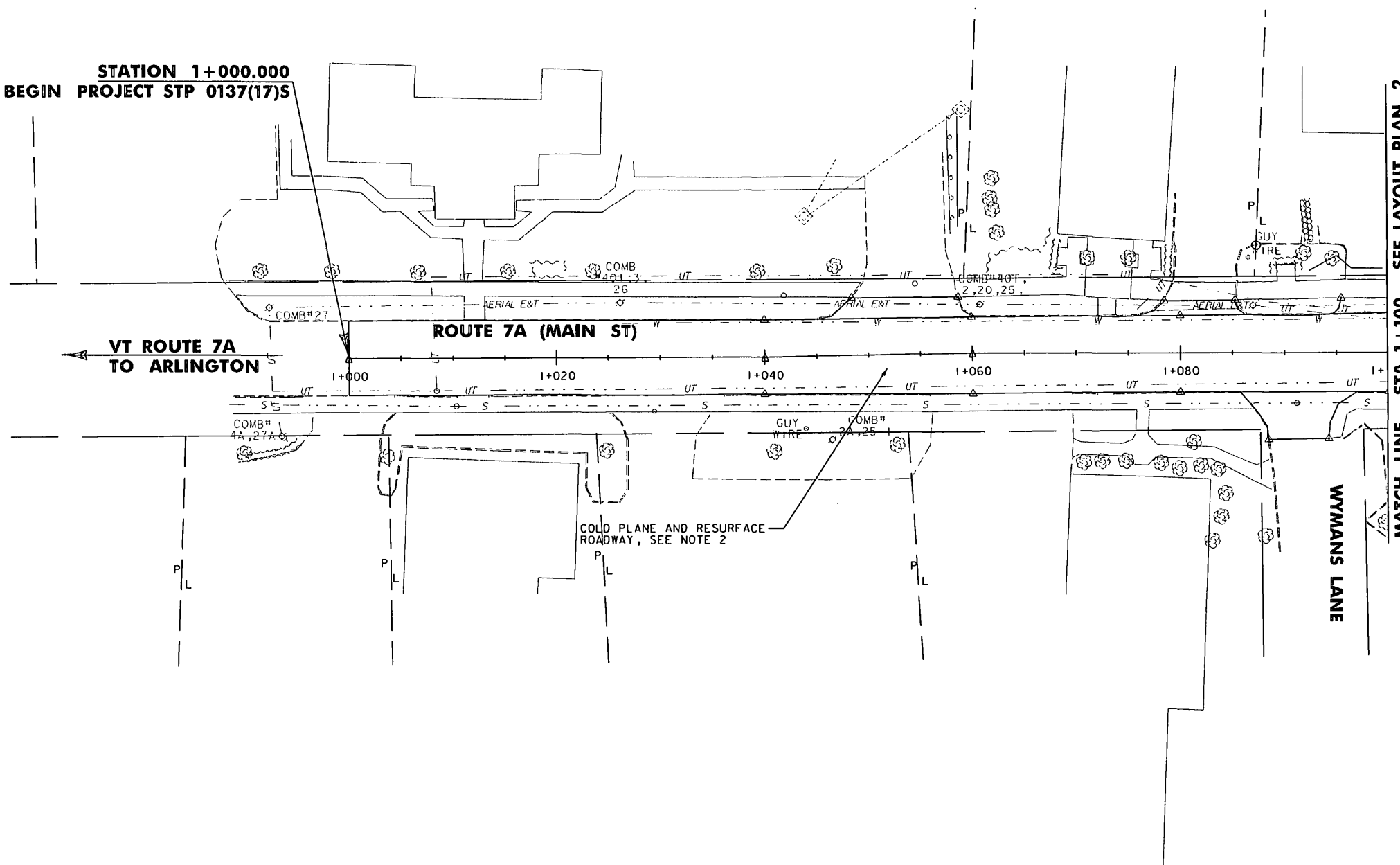


CONSTRUCT DRIVE

| STATION | LOCATION | TYPE | WIDTH |
|---------|----------|-----------|-------|
| 1+053.6 | LT | BIT. COM. | 10.3M |
| 1+081.9 | LT | BIT. COM. | 6.8M |
| 1+091.4 | RT | BIT. COM. | 5.8M |



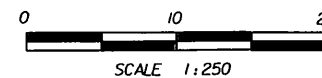
STATION 1+000.000
BEGIN PROJECT STP 0137(17)S



MATCH LINE - STA. 1+100 - SEE LAYOUT PLAN 2

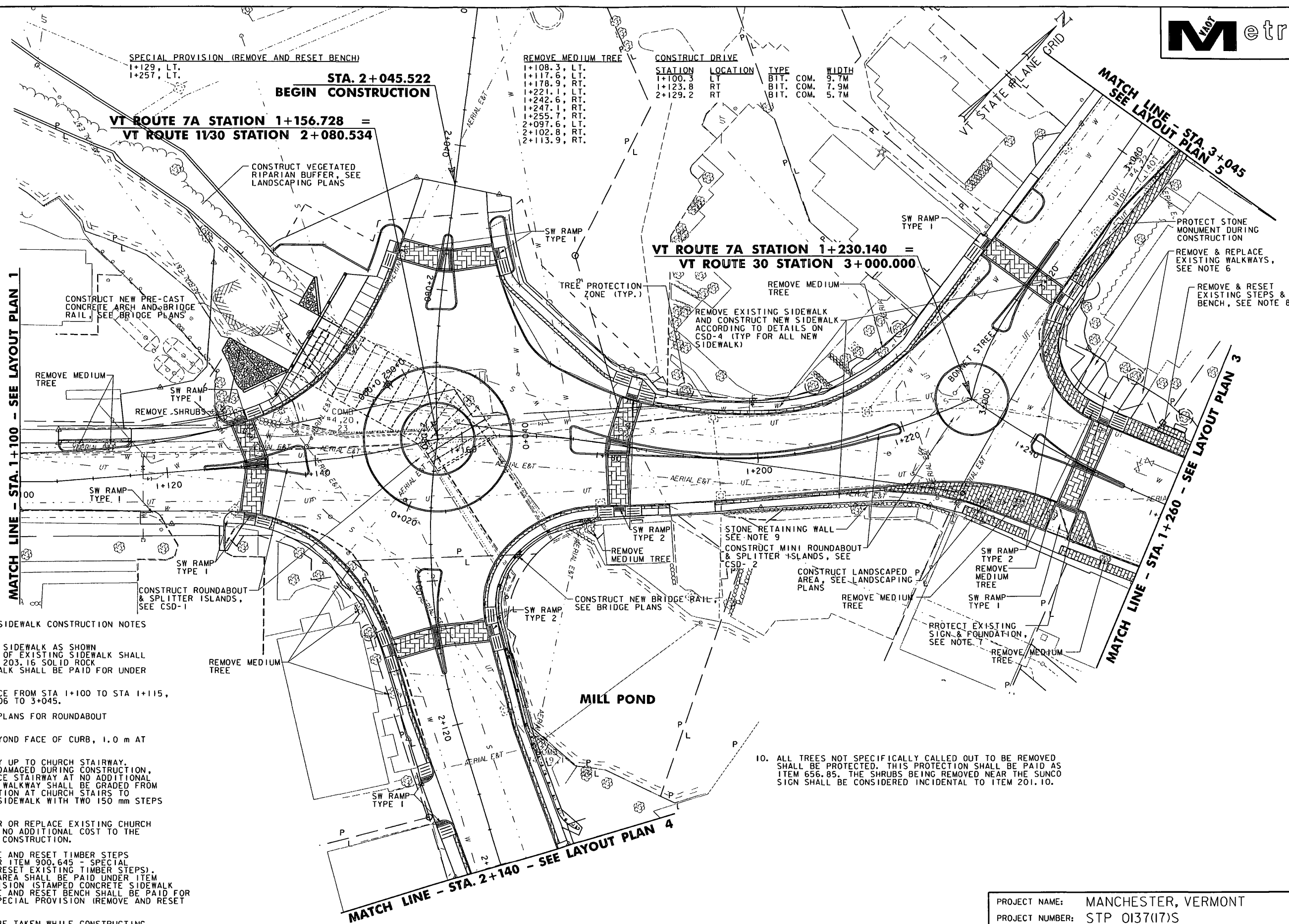
NOTES:

1. CLEAR ZONE IS 0.5m BEYOND FACE OF CURB, 1.0m AT INTERSECTION.
2. COLD PLANE AND RESURFACE FROM STATION 1+000 TO STATION 1+100.
3. DRIVEWAYS SHALL BE COLD PLANED AND RESURFACED TO LIMITS OF SIDEWALK. THE CONSTRUCTION LIMIT SHOWN, OR AS DIRECTED BY THE RESIDENT ENGINEER. SEE TYP-3 FOR DRIVEWAY.



| | |
|--|----------------------|
| PROJECT NAME: | MANCHESTER, VERMONT |
| PROJECT NUMBER: | STP 0137(17)S |
| FILE NAME: ... \PlotFiles\08 LAYOUT PLAN 1.prf | PLOT DATE: 12/5/2011 |
| DESIGN SUPERVISOR: GARY SANTY | DRAWN BY: STANTEC |
| DESIGNED BY: STANTEC | CHECKED BY: STANTEC |
| LAYOUT PLAN 1 - LP 1 | SHEET 25 OF 149 |

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SPECIAL PROVISION (REMOVE AND RESET BENCH)
1+129, LT.
1+257, LT.

**STA. 2+045.522
BEGIN CONSTRUCTION**

**VT ROUTE 7A STATION 1+156.728 =
VT ROUTE 11/30 STATION 2+080.534**

REMOVE MEDIUM TREE
1+108.3, LT.
1+117.6, LT.
1+178.9, RT.
1+221.1, LT.
1+242.6, RT.
1+247.1, RT.
1+255.7, RT.
2+097.6, LT.
2+102.8, RT.
2+113.9, RT.

CONSTRUCT DRIVE
STATION LOCATION TYPE COM. WIDTH
1+100.3 LT BIT. COM. 9.7M
1+123.8 RT BIT. COM. 7.9M
2+129.2 RT BIT. COM. 5.7M

**VT ROUTE 7A STATION 1+230.140 =
VT ROUTE 30 STATION 3+000.000**

**MATCH LINE - STA. 3+045
SEE LAYOUT PLAN 5**

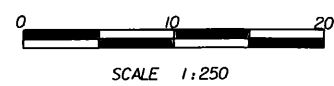
MATCH LINE - STA. 1+100 - SEE LAYOUT PLAN 1

MATCH LINE - STA. 1+260 - SEE LAYOUT PLAN 3

NOTES:

1. FOR DETAILED CURB AND SIDEWALK CONSTRUCTION NOTES SEE ITEM DETAIL SHEETS.
2. REMOVE AND RECONSTRUCT SIDEWALK AS SHOWN ON THE PLANS. REMOVAL OF EXISTING SIDEWALK SHALL BE PAID FOR UNDER ITEM 203.16 SOLID ROCK EXCAVATION. NEW SIDEWALK SHALL BE PAID FOR UNDER ITEMS SHOWN ON CSD-4.
3. COLD PLANE AND RESURFACE FROM STA 1+100 TO STA 1+115, 2+097 TO 2+140 AND 3+006 TO 3+045.
4. SEE ROUNDABOUT LAYOUT PLANS FOR ROUNDABOUT CONSTRUCTION DETAILS.
5. CLEAR ZONE IS 0.5m BEYOND FACE OF CURB, 1.0 m AT INTERSECTION.
6. REMOVE EXISTING WALKWAY UP TO CHURCH STAIRWAY. IF CHURCH STAIRWAY IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE STAIRWAY AT NO ADDITIONAL COST TO THE TOWN. NEW WALKWAY SHALL BE GRADED FROM EXISTING WALKWAY ELEVATION AT CHURCH STAIRS TO ELEVATION AT PROPOSED SIDEWALK WITH TWO 150 mm STEPS NEAR END.
7. CONTRACTOR SHALL REPAIR OR REPLACE EXISTING CHURCH SIGN AND FOUNDATION AT NO ADDITIONAL COST TO THE TOWN IF DAMAGED DURING CONSTRUCTION.
8. WORK REQUIRED TO REMOVE AND RESET TIMBER STEPS SHALL BE PAID FOR UNDER ITEM 900.645 - SPECIAL PROVISION (REMOVE AND RESET EXISTING TIMBER STEPS). SIDEWALK WORK IN THIS AREA SHALL BE PAID UNDER ITEM 900.675 - SPECIAL PROVISION (STAMPED CONCRETE SIDEWALK 125MM). WORK TO REMOVE AND RESET BENCH SHALL BE PAID FOR UNDER ITEM 900.620 - SPECIAL PROVISION (REMOVE AND RESET BENCH).
9. EXTREME CAUTION SHALL BE TAKEN WHILE CONSTRUCTING AROUND EXISTING STONE RETAINING WALL. THIS WALL SHALL NOT BE DISTURBED IN ANY WAY. THE CONTRACTOR SHALL MAKE ANY REPAIR, AT HIS EXPENSE, SHOULD IT BE NECESSARY.

10. ALL TREES NOT SPECIFICALLY CALLED OUT TO BE REMOVED SHALL BE PROTECTED. THIS PROTECTION SHALL BE PAID AS ITEM 656.85. THE SHRUBS BEING REMOVED NEAR THE SUNCO SIGN SHALL BE CONSIDERED INCIDENTAL TO ITEM 201.10.



| | |
|----------------------|-----------------------------------|
| PROJECT NAME: | MANCHESTER, VERMONT |
| PROJECT NUMBER: | STP 0137(17)S |
| FILE NAME: | ...PlotFiles\09 LAYOUT PLAN 2.ppt |
| DESIGN SUPERVISOR: | GARY SANTY |
| DESIGNED BY: | STANTEC |
| LAYOUT PLAN 2 - LP 2 | |
| PLOT DATE: | 12/5/2011 |
| DRAWN BY: | STANTEC |
| CHECKED BY: | STANTEC |
| SHEET | 26 OF 149 |

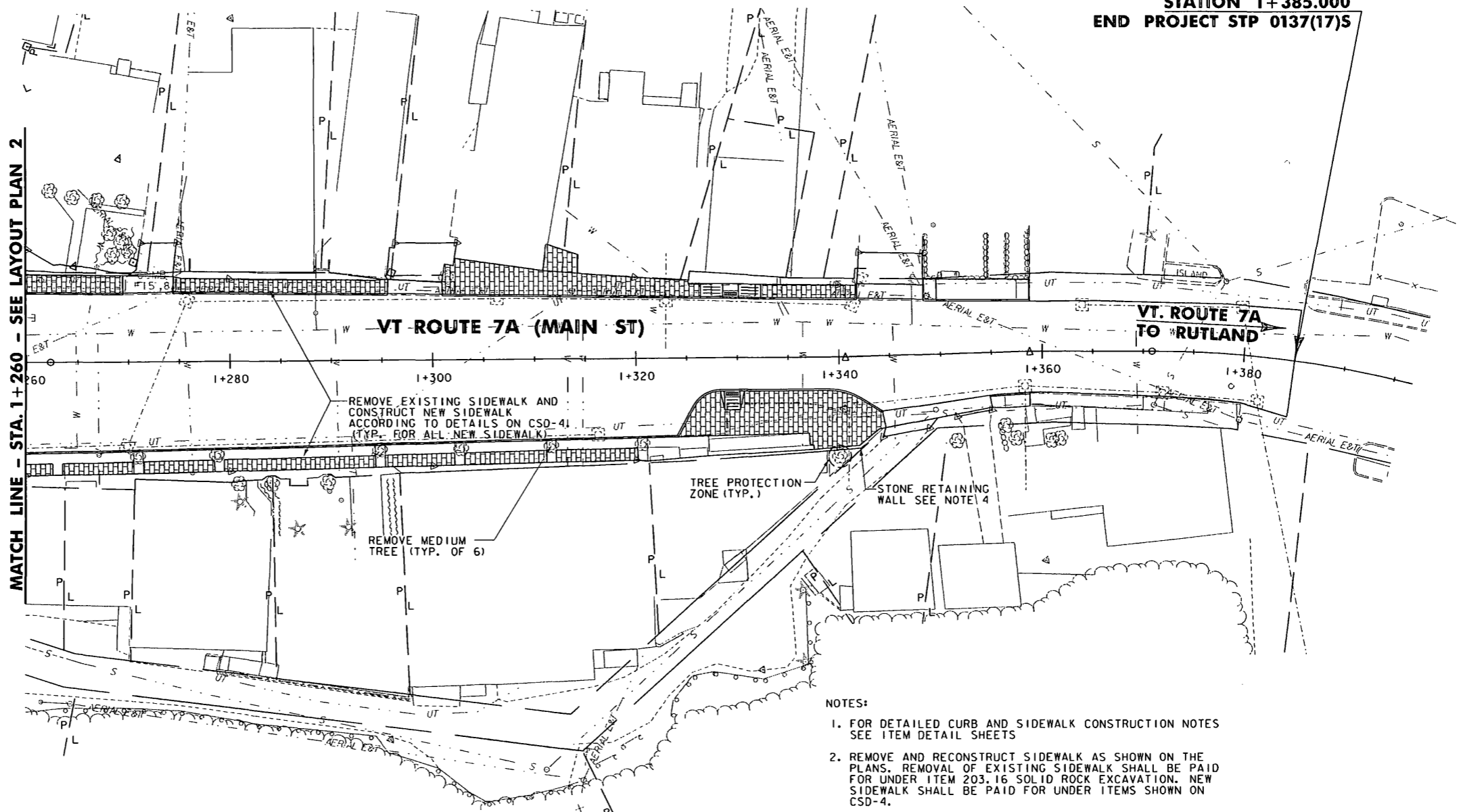
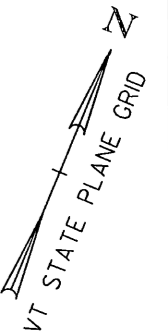
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| CONSTRUCT DRIVE | | | |
|-----------------|----------|-------------|-------|
| STATION | LOCATION | TYPE | WIDTH |
| 1+277.1 | LT | BIT. COM. | 3.5M |
| 1+298.4 | LT | BIT. COM. | 6.1M |
| 1+345.3 | LT | BIT. COM. | 6.3M |
| 1+346.4 | RT | GRAVEL COM. | 4.6M |
| 1+353.2 | RT | GRAVEL COM. | 3.4M |

SPECIAL PROVISION (REMOVE AND RESET BIKE RACK)
 1+340, RT.
REMOVE MEDIUM TREE
 1+270.9, RT.
 1+278.6, RT.
 1+294.7, RT.
 1+302.7, RT.
 1+311.6, RT.
 1+320.6, RT.

SPECIAL PROVISION (REMOVE AND RESET BENCH)
 1+338, RT.

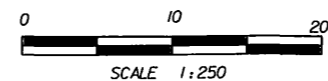
STATION 1+385.000
END PROJECT STP 0137(17)S



MATCH LINE - STA. 1+260 - SEE LAYOUT PLAN 2

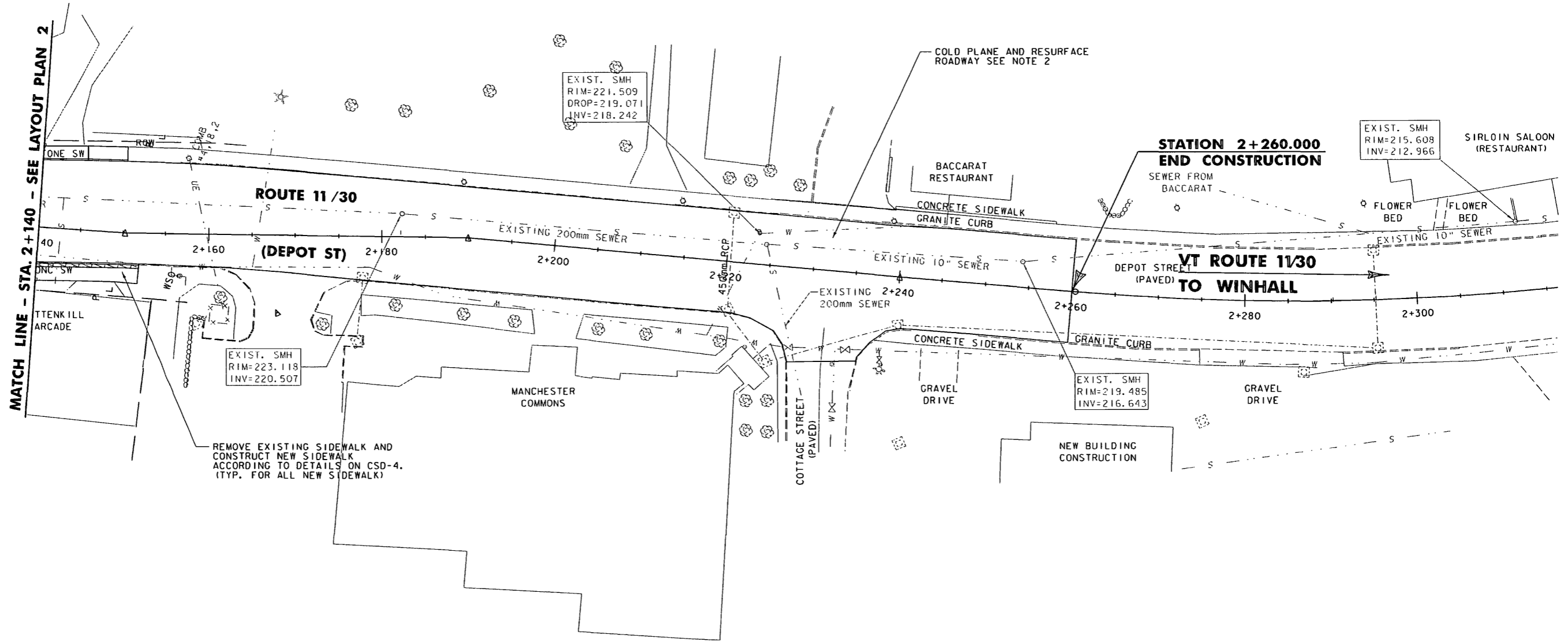
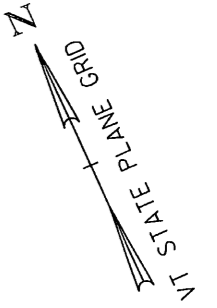
NOTES:

1. FOR DETAILED CURB AND SIDEWALK CONSTRUCTION NOTES SEE ITEM DETAIL SHEETS
2. REMOVE AND RECONSTRUCT SIDEWALK AS SHOWN ON THE PLANS. REMOVAL OF EXISTING SIDEWALK SHALL BE PAID FOR UNDER ITEM 203.16 SOLID ROCK EXCAVATION. NEW SIDEWALK SHALL BE PAID FOR UNDER ITEMS SHOWN ON CSD-4.
3. SEE WATER/SEWER PLANS FOR WATER/SEWER REPLACEMENT WORK OUTSIDE LIMITS OF ROADWAY CONSTRUCTION.
4. EXTREME CAUTION SHALL BE TAKEN WHILE CONSTRUCTING AROUND EXISTING STONE RETAINING WALL. THIS WALL SHALL NOT BE DISTURBED IN ANY WAY. THE CONTRACTOR SHALL MAKE ANY REPAIR AT HIS EXPENSE SHOULD IT BE DEEMED NECESSARY BY THE ENGINEER.
5. ALL BOLLARDS NEAR EXISTING TREES, BEING REMOVED ON MAIN STREET, SHALL BE REMOVED AND RETURNED TO THE TOWN. THIS WORK SHALL BE PAID INCIDENTAL TO ITEM 201.15 - REMOVE MEDIUM TREE.
6. COLD PLANE AND RESURFACING CONTINUES NORTH DUE TO SEWER AND WATER CONSTRUCTION. SEE SEWER AND WATER PLANS FOR MORE INFORMATION.



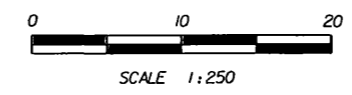
PROJECT NAME: MANCHESTER, VERMONT
 PROJECT NUMBER: STP 0137(17)S

FILE NAME: ...PlotFiles\10 LAYOUT PLAN 3.prf PLOT DATE: 12/5/2011
 DESIGN SUPERVISOR: GARY SANTY DRAWN BY: STANTEC
 DESIGNED BY: STANTEC CHECKED BY: STANTEC
 LAYOUT PLAN 3 - LP 3 SHEET 27 OF 149



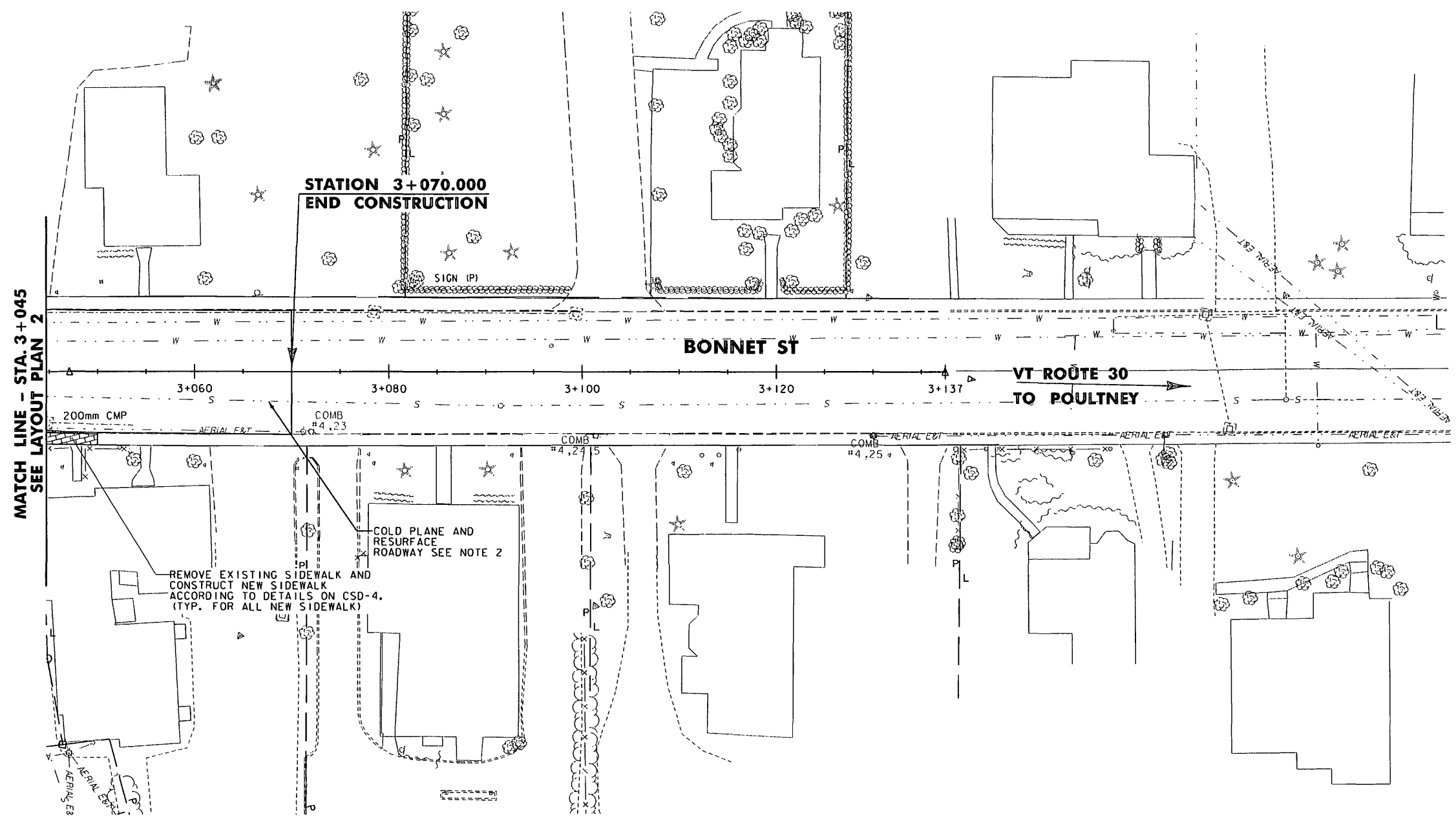
NOTES:

1. REMOVE AND RECONSTRUCT SIDEWALK AS SHOWN ON THE PLANS. REMOVAL OF EXISTING SIDEWALK SHALL BE PAID FOR UNDER ITEM 203.16 SOLID ROCK EXCAVATION. NEW SIDEWALK SHALL BE PAID FOR UNDER ITEMS SHOWN ON CSD-4
2. COLD PLANE AND RESURFACE FROM STATION 2+140 TO STATION 2+260.
3. SEE WATER/SEWER PLANS FOR WATER/SEWER REPLACEMENT WORK OUTSIDE LIMITS OF ROADWAY CONSTRUCTION.
4. COLD PLANE AND RESURFACING CONTINUES EAST DUE TO SEWER WATER CONSTRUCTION. SEE SEWER AND WATER PLANS FOR MORE INFORMATION.



| | |
|----------------------|----------------------------------|
| PROJECT NAME: | MANCHESTER, VERMONT |
| PROJECT NUMBER: | STP 0137(17)S |
| FILE NAME: | ...PlotFiles\11LAYOUT PLAN 4.ptf |
| DESIGN SUPERVISOR: | GARY SANTY |
| DESIGNED BY: | STANTEC |
| LAYOUT PLAN 4 - LP 4 | |
| PLOT DATE: | 12/5/2011 |
| DRAWN BY: | STANTEC |
| CHECKED BY: | STANTEC |
| SHEET | 28 OF 149 |

12/5/2011 15:58:18 PM V:\19513\active\195130013\Highway\PlotFiles\11LAYOUT PLAN 4.ptf



MATCH LINE - STA 3+045
SEE LAYOUT PLAN 2

STATION 3+070.000
END CONSTRUCTION

BONNET ST

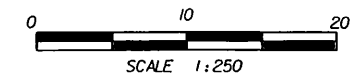
VT ROUTE 30
TO POULTNEY

REMOVE EXISTING SIDEWALK AND
CONSTRUCT NEW SIDEWALK
ACCORDING TO DETAILS ON CSD-4.
(TYP. FOR ALL NEW SIDEWALK)

COLD PLANE AND
RESURFACE
ROADWAY SEE NOTE 2

NOTES:

1. REMOVE AND RECONSTRUCT SIDEWALK AS SHOWN ON THE PLANS. REMOVAL OF EXISTING SIDEWALK SHALL BE PAID FOR UNDER ITEM 203.16 SOLID ROCK EXCAVATION. NEW SIDEWALK SHALL BE PAID FOR UNDER ITEMS SHOWN ON CSD-4.
2. COLD PLANE AND RESURFACE FROM STATION 3+045 TO STATION 3+070.

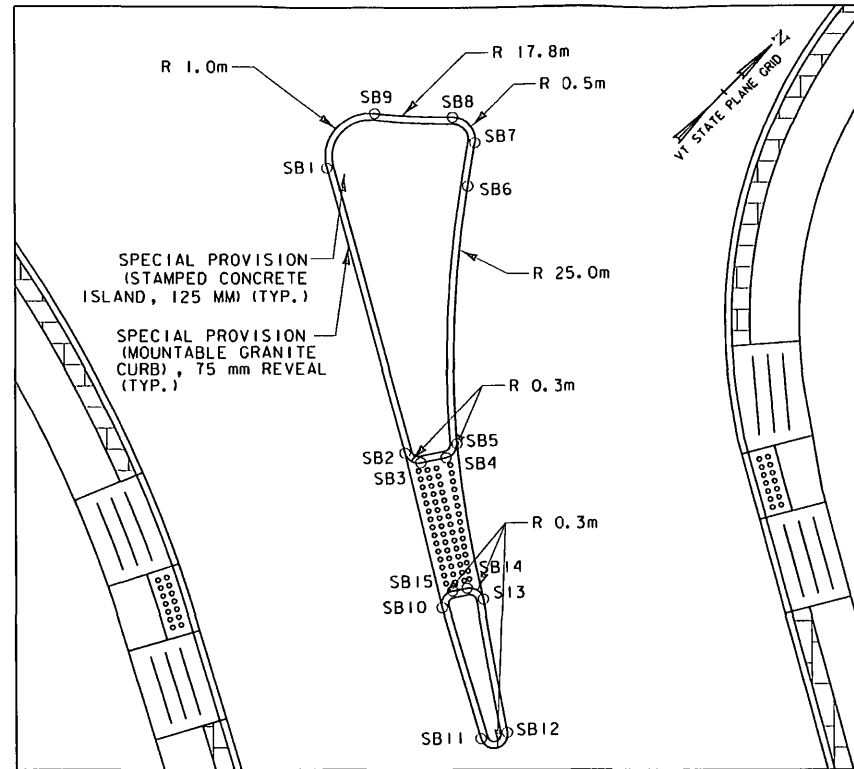


| | |
|--|----------------------|
| PROJECT NAME: | MANCHESTER, VERMONT |
| PROJECT NUMBER: | STP 0137(I7)S |
| FILE NAME: ...\\PlotFiles\12 LAYOUT PLAN 5.prf | PLOT DATE: 12/5/2011 |
| DESIGN SUPERVISOR: GARY SANTY | DRAWN BY: STANTEC |
| DESIGNED BY: STANTEC | CHECKED BY: STANTEC |
| LAYOUT PLAN 5 - LP 5 | SHEET 29 OF 149 |

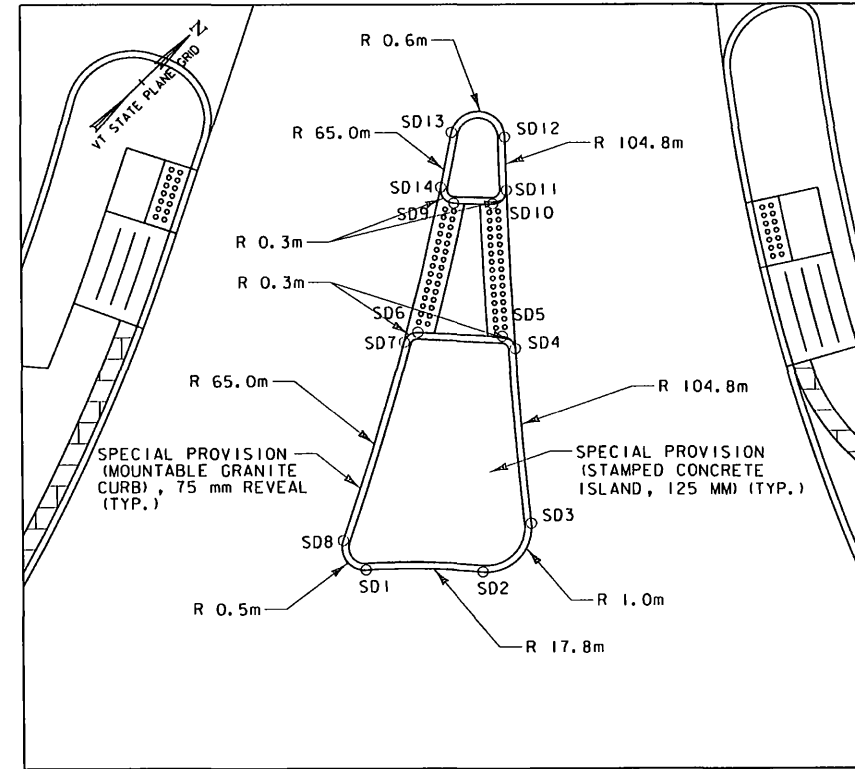
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SPLITTER ISLAND LAYOUT POINT SUMMARY

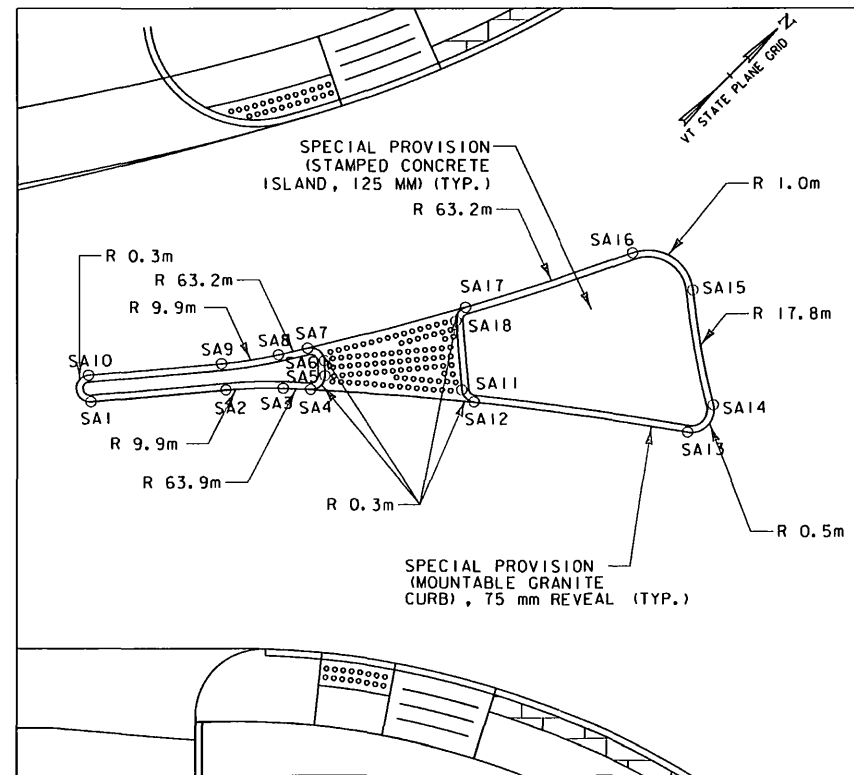
| Layout Point | BASELINE STATION | OFFSET | NORTHING | EASTING |
|--------------|------------------|----------|------------|-------------|
| SA1 | 1+125.301 | 0.099 RT | 75264.9524 | 454658.9465 |
| SA2 | 1+128.312 | 0.074 RT | 75267.2756 | 454660.8609 |
| SA3 | 1+129.581 | 0.145 RT | 75268.2023 | 454661.7307 |
| SA4 | 1+130.181 | 0.220 RT | 75268.6139 | 454662.1746 |
| SA5 | 1+130.520 | 0.064 LT | 75269.0160 | 454662.1743 |
| SA6 | 1+130.535 | 0.405 LT | 75269.2864 | 454661.9229 |
| SA7 | 1+130.191 | 0.714 LT | 75269.2217 | 454661.4643 |
| SA8 | 1+129.538 | 0.620 LT | 75268.6609 | 454661.1173 |
| SA9 | 1+128.262 | 0.526 LT | 75267.6232 | 454660.3698 |
| SA10 | 1+125.296 | 0.501 LT | 75265.3340 | 454658.4834 |
| SA11 | 1+133.512 | 0.497 RT | 75270.9885 | 454664.5266 |
| SA12 | 1+133.756 | 0.791 RT | 75270.9866 | 454664.9091 |
| SA13 | 1+138.450 | 1.863 RT | 75273.8953 | 454668.7461 |
| SA14 | 1+139.067 | 1.298 RT | 75274.7359 | 454668.7127 |
| SA15 | 1+138.833 | 1.329 LT | 75276.2372 | 454666.5446 |
| SA16 | 1+137.566 | 2.275 LT | 75275.8759 | 454665.0068 |
| SA17 | 1+133.748 | 1.353 LT | 75272.3581 | 454663.2612 |
| SA18 | 1+133.510 | 1.059 LT | 75271.9863 | 454663.3332 |
| SB1 | 2+099.444 | 1.905 RT | 75274.8196 | 454689.3301 |
| SB2 | 2+105.947 | 0.823 RT | 75271.4908 | 454695.1289 |
| SB3 | 2+106.207 | 0.505 RT | 75271.5866 | 454695.5292 |
| SB4 | 2+106.170 | 0.061 LT | 75272.0611 | 454695.8399 |
| SB5 | 2+105.888 | 0.340 LT | 75272.4535 | 454695.7838 |
| SB6 | 2+100.044 | 1.179 LT | 75276.7510 | 454691.8087 |
| SB7 | 2+099.043 | 1.404 LT | 75277.5704 | 454691.2127 |
| SB8 | 2+098.429 | 0.940 LT | 75277.6261 | 454690.4512 |
| SB9 | 2+098.269 | 0.779 RT | 75276.4530 | 454689.1847 |
| SB10 | 2+109.509 | 0.559 RT | 75269.5936 | 454698.1862 |
| SB11 | 2+112.586 | 0.285 RT | 75268.0949 | 454700.9033 |
| SB12 | 2+112.570 | 0.314 LT | 75268.6062 | 454701.2160 |
| SB13 | 2+109.473 | 0.366 LT | 75270.3730 | 454698.6869 |
| SB14 | 2+109.169 | 0.058 LT | 75270.2944 | 454698.2610 |
| SB15 | 2+109.179 | 0.270 RT | 75270.0208 | 454698.0810 |
| SC1 | 1+175.722 | 1.954 RT | 75301.9781 | 454692.3526 |
| SC2 | 1+179.398 | 1.593 RT | 75304.4665 | 454694.9813 |
| SC3 | 1+179.666 | 1.285 RT | 75304.8701 | 454695.0107 |
| SC4 | 1+179.601 | 0.688 LT | 75306.4216 | 454693.7883 |
| SC5 | 1+179.341 | 0.977 LT | 75306.4974 | 454693.4056 |
| SC6 | 1+174.997 | 1.810 LT | 75304.4413 | 454689.4146 |
| SC7 | 1+174.391 | 1.240 LT | 75303.6087 | 454689.3023 |
| SC8 | 1+174.633 | 1.008 RT | 75302.0329 | 454690.9241 |
| SC9 | 1+183.030 | 1.084 RT | 75306.9503 | 454697.6052 |
| SC10 | 1+194.851 | 0.029 RT | 75315.1528 | 454706.2702 |
| SC11 | 1+215.231 | 0.489 RT | 75331.2725 | 454718.7150 |
| SC12 | 1+219.073 | 0.845 RT | 75334.5483 | 454720.8001 |
| SC13 | 1+219.656 | 0.311 RT | 75335.3097 | 454720.5772 |
| SC14 | 1+219.642 | 0.110 RT | 75335.3847 | 454720.3893 |
| SC15 | 1+218.585 | 0.822 LT | 75334.8492 | 454719.0892 |
| SC16 | 1+199.110 | 0.655 LT | 75318.6745 | 454708.7214 |
| SC17 | 1+182.881 | 0.703 LT | 75308.3444 | 454696.4778 |
| SC18 | 1+182.576 | 0.377 RT | 75307.9015 | 454696.4080 |
| SC19 | 1+182.680 | 0.815 RT | 75306.9777 | 454697.1671 |
| SD1 | 2+062.876 | 1.383 RT | 75301.8411 | 454664.3726 |
| SD2 | 2+062.662 | 1.216 LT | 75303.6674 | 454666.2347 |
| SD3 | 2+061.439 | 2.180 LT | 75305.2103 | 454666.2150 |
| SD4 | 2+057.514 | 1.368 LT | 75307.7592 | 454663.1633 |
| SD5 | 2+057.271 | 1.049 LT | 75307.7530 | 454662.7631 |
| SD6 | 2+057.423 | 0.834 RT | 75306.4715 | 454661.3755 |
| SD7 | 2+057.681 | 1.107 RT | 75306.0997 | 454661.3201 |
| SD8 | 2+062.275 | 1.948 RT | 75301.9510 | 454663.5485 |
| SD9 | 2+054.415 | 0.383 RT | 75309.1161 | 454659.8729 |
| SD10 | 2+054.315 | 0.485 LT | 75309.7299 | 454660.4943 |
| SD11 | 2+053.971 | 0.747 LT | 75310.1631 | 454660.4878 |
| SD12 | 2+052.779 | 0.566 LT | 75310.9892 | 454659.6097 |
| SD13 | 2+052.829 | 0.626 RT | 75310.2137 | 454658.7023 |
| SD14 | 2+054.092 | 0.716 RT | 75309.1640 | 454659.4119 |
| SF1 | 1+241.412 | 1.623 RT | 75345.9449 | 454735.7896 |
| SF2 | 1+246.156 | 0.783 RT | 75348.0443 | 454740.1702 |
| SF3 | 1+246.415 | 0.457 RT | 75348.4319 | 454740.3251 |
| SF4 | 1+246.364 | 0.063 LT | 75348.9150 | 454740.1270 |
| SF5 | 1+246.078 | 0.333 LT | 75349.0921 | 454739.7763 |



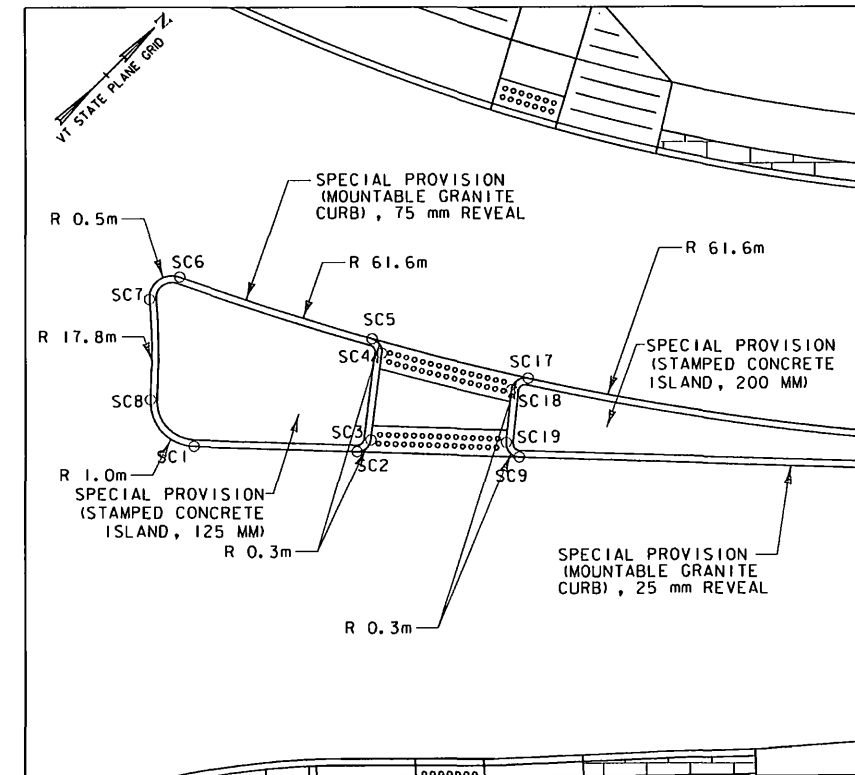
EAST APPROACH
(VT ROUTE 11/30)



WEST APPROACH
(HAND MOTORS DRIVE)

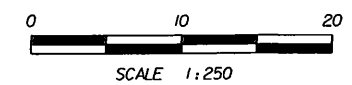


SOUTH APPROACH
(VT ROUTE 7A)



NORTH APPROACH
(VT ROUTE 7A)

MATCH LINE
SEE SOUTH APPROACH - SIL 2



PROJECT NAME: MANCHESTER, VERMONT
 PROJECT NUMBER: STP 0137(17)S
 FILE NAME: ...22 SPLITTER ISLAND 1.pptf PLOT DATE: 12/5/2011
 DESIGN SUPERVISOR: GARY SANTY DRAWN BY: STANTEC
 DESIGNED BY: STANTEC CHECKED BY: STANTEC
 SPLITTER ISLAND LAYOUT SHEET SIL 1 SHEET 30 OF 149

12/5/2011 1:55:42 PM V:\9853\oct1\ve\9853003\Highway\PlotFiles\22_Splitter_Island_Lay1

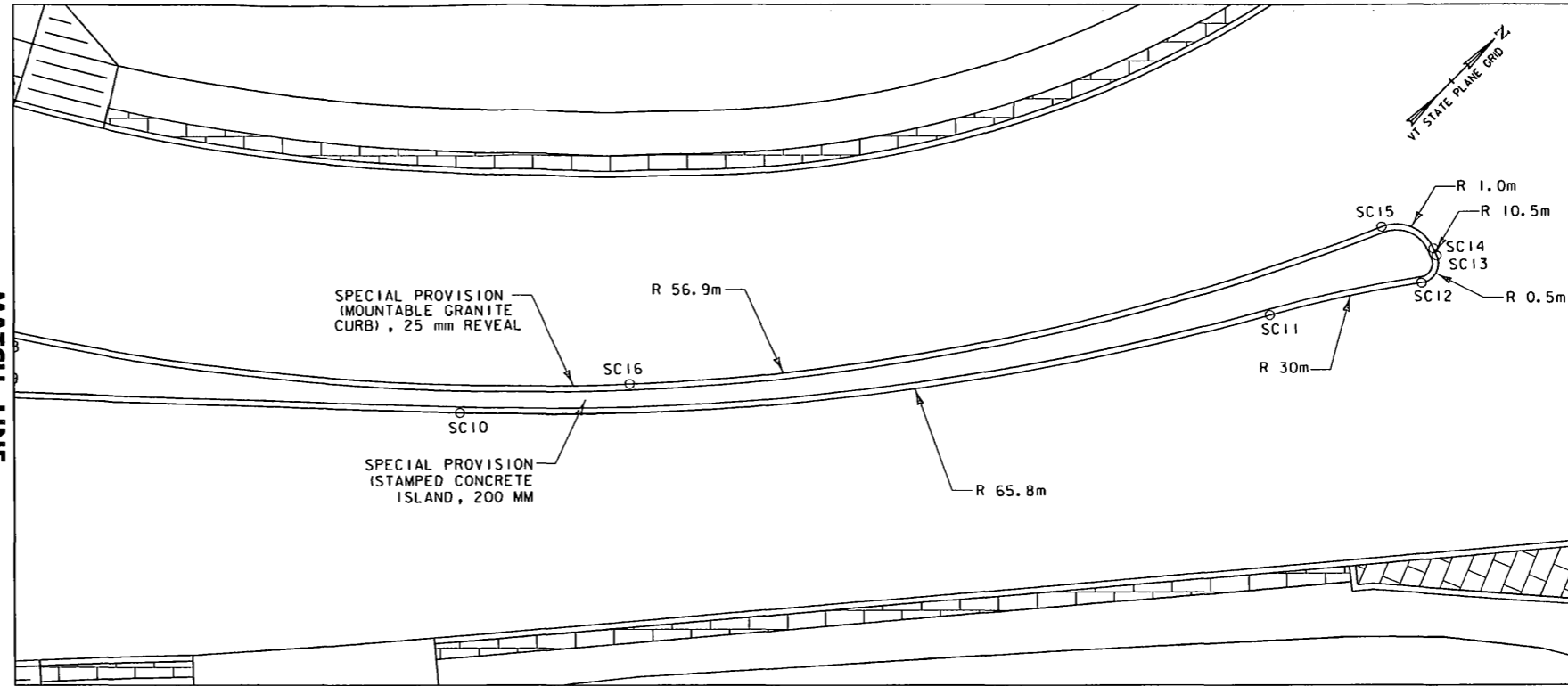
NOTE:
1. LAYOUT POINTS LOCATED AT EDGE OF PAVEMENT.

SPLITTER ISLAND LAYOUT POINT SUMMARY

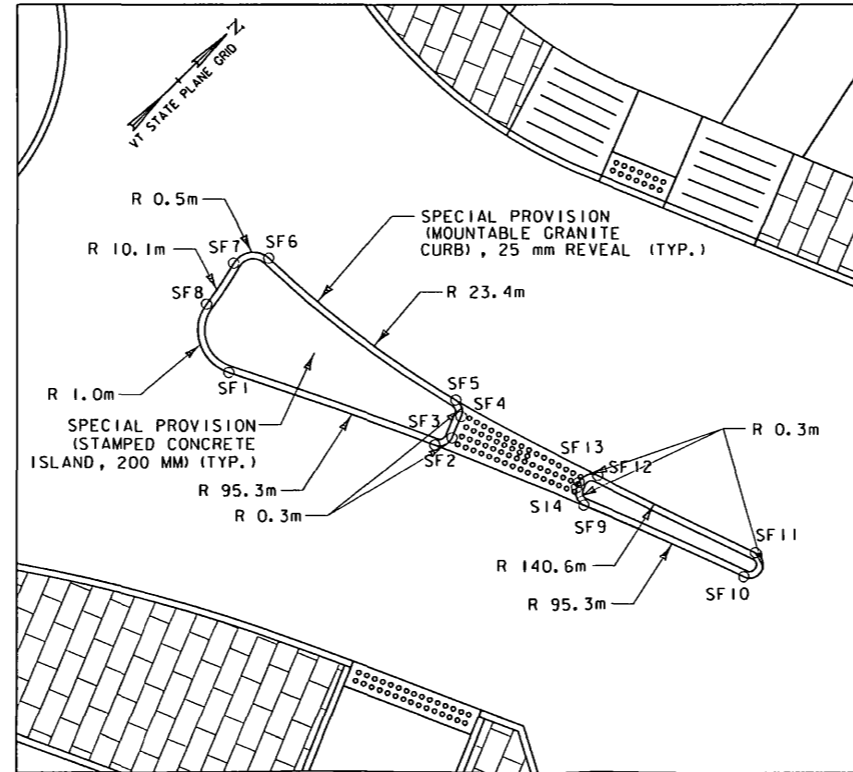
| Layout Point | BASELINE STATION | OFFSET | NORTHING | EASTING |
|--------------|------------------|----------|------------|-------------|
| SF6 | 1+240.864 | 1.049 LT | 75348.3924 | 454734.5858 |
| SF7 | 1+240.247 | 0.553 LT | 75347.7608 | 454734.1143 |
| SF8 | 1+240.207 | 0.552 RT | 75346.6791 | 454734.3468 |
| SF9 | 1+249.713 | 0.426 RT | 75349.4507 | 454743.4728 |
| SF10 | 1+253.589 | 0.294 RT | 75350.8329 | 454747.1076 |
| SF11 | 1+253.590 | 0.306 LT | 75351.3979 | 454746.9059 |
| SF12 | 1+249.682 | 0.307 LT | 75350.1380 | 454743.2165 |
| SF13 | 1+249.383 | 0.016 RT | 75349.7388 | 454743.0321 |
| SF14 | 1+249.393 | 0.149 RT | 75349.6149 | 454743.0829 |
| SG1 | 3+010.062 | 0.440 LT | 75354.0606 | 454719.7100 |
| SG2 | 3+010.191 | 0.442 RT | 75354.4366 | 454720.5179 |
| SG3 | 3+011.463 | 1.291 RT | 75355.8580 | 454721.0042 |
| SG4 | 3+016.935 | 0.284 RT | 75360.9517 | 454718.9623 |
| SG5 | 3+017.216 | 0.001 RT | 75361.1773 | 454718.6333 |
| SG6 | 3+017.220 | 0.081 LT | 75361.1669 | 454718.5515 |
| SG7 | 3+016.935 | 0.398 LT | 75360.8290 | 454718.2921 |
| SG8 | 3+010.641 | 1.027 LT | 75354.4638 | 454718.9809 |
| SG9 | 3+020.460 | 0.286 LT | 75364.3170 | 454717.7669 |
| SG10 | 3+020.520 | 0.306 RT | 75364.4825 | 454718.3391 |
| SG11 | 3+024.432 | 0.314 RT | 75368.3317 | 454717.6427 |
| SG12 | 3+024.422 | 0.286 LT | 75368.2140 | 454717.0544 |

SEE NORTH APPROACH - SIL 1

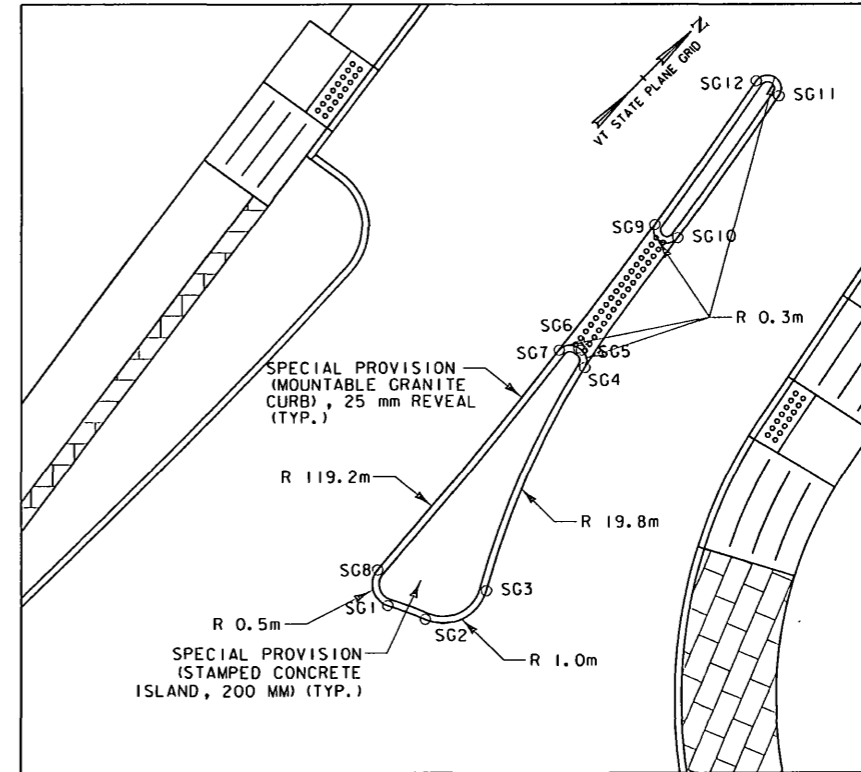
MINI - ROUNDABOUT



SOUTH APPROACH
(VT ROUTE 7A)



EAST APPROACH
(VT ROUTE 7A)

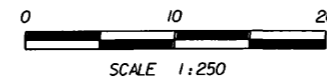


NORTH APPROACH
(VT ROUTE 30)



12/5/2011 1:55:13 PM V:\953\active\953003\Highway\PlotFiles\23 SPLITTER ISLAND 2.dwg

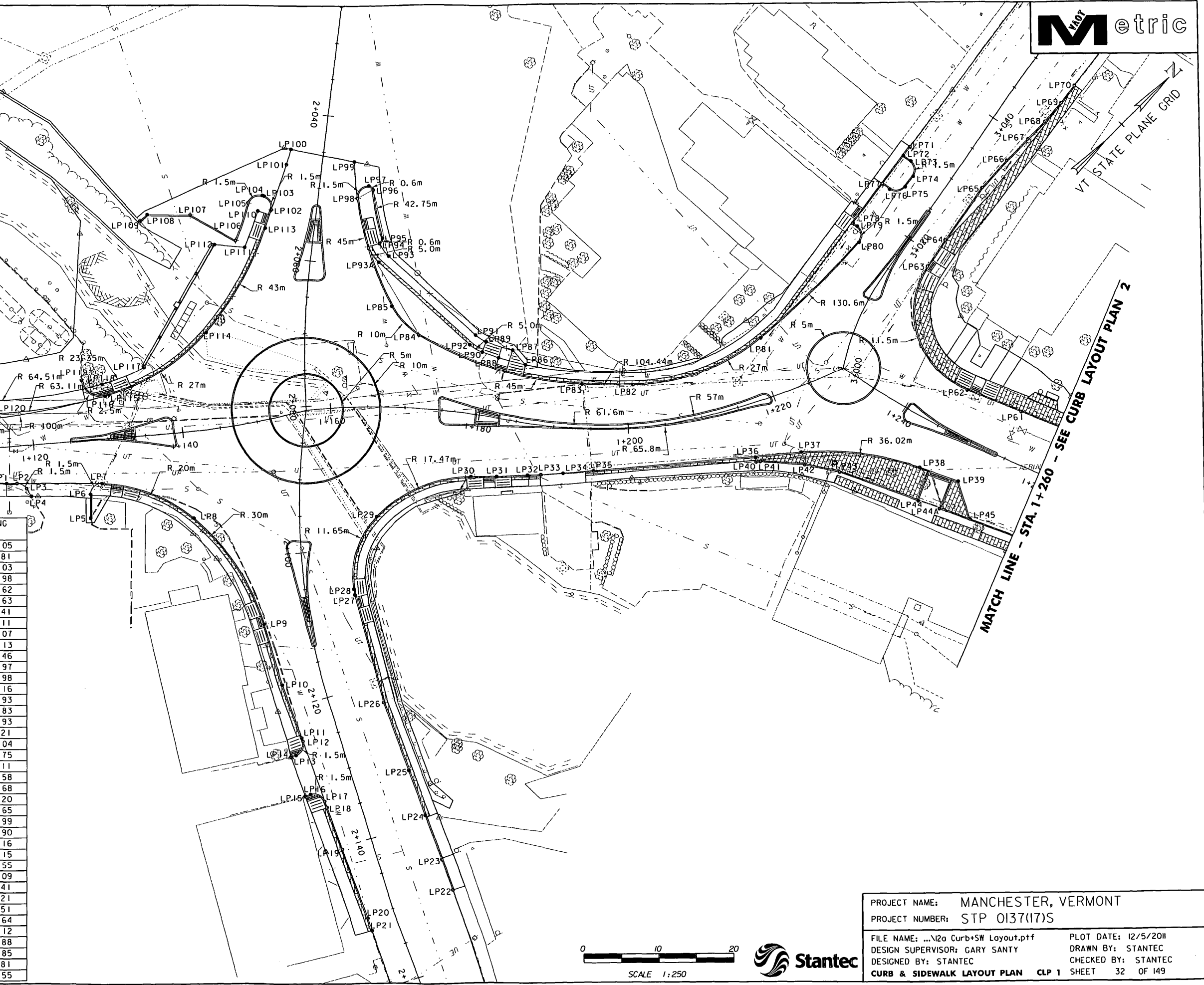
NOTE:
1. LAYOUT POINTS LOCATED AT EDGE OF PAVEMENT.



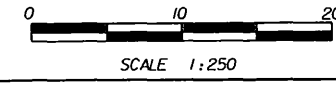
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|---|-----------------------------|
| PROJECT NAME: | MANCHESTER, VERMONT |
| PROJECT NUMBER: | STP 0137(17)S |
| FILE NAME: | ...23 SPLITTER ISLAND 2.dwg |
| DESIGN SUPERVISOR: | GARY SANTY |
| DESIGNED BY: | STANTEC |
| PLOT DATE: | 12/5/2011 |
| DRAWN BY: | STANTEC |
| CHECKED BY: | STANTEC |
| SPLITTER ISLAND LAYOUT SHEET SIL 2 | SHEET 31 OF 149 |

| LAYOUT POINT | BASELINE STATION | OFFSET | NORTHING | EASTING |
|--------------|------------------|----------|----------|-----------|
| LP1 | 1+115.96 | 4.95 RT | 75254.68 | 454656.66 |
| LP2 | 1+117.37 | 5.06 RT | 75255.69 | 454657.66 |
| LP3 | 1+118.59 | 5.89 RT | 75256.09 | 454659.07 |
| LP4 | 1+119.13 | 6.97 RT | 75255.81 | 454660.25 |
| LP5 | 1+126.77 | 10.61 RT | 75259.33 | 454667.94 |
| LP6 | 1+127.03 | 7.36 RT | 75261.61 | 454665.62 |
| LP7 | 1+128.71 | 5.99 RT | 75263.78 | 454665.65 |
| LP8 | 1+140.27 | 11.76 RT | 75269.09 | 454677.61 |
| LP9 | 2+108.78 | 5.99 RT | 75265.59 | 454694.44 |
| LP10 | 2+116.87 | 5.33 RT | 75261.48 | 454702.02 |
| LP11 | 2+124.28 | 4.89 RT | 75258.24 | 454708.94 |
| LP12 | 2+124.76 | 4.86 RT | 75258.03 | 454709.38 |
| LP13 | 2+126.33 | 6.29 RT | 75256.04 | 454710.11 |
| LP14 | 2+126.37 | 6.99 RT | 75255.40 | 454709.81 |
| LP15 | 2+132.02 | 6.75 RT | 75252.98 | 454714.92 |
| LP16 | 2+131.98 | 6.01 RT | 75253.65 | 454715.24 |
| LP17 | 2+133.40 | 4.44 RT | 75254.38 | 454717.23 |
| LP18 | 2+134.30 | 4.39 RT | 75254.01 | 454718.04 |
| LP19 | 2+140.32 | 4.08 RT | 75251.47 | 454723.51 |
| LP20 | 2+150.24 | 3.58 RT | 75247.26 | 454732.60 |
| LP21 | 2+151.87 | 3.61 RT | 75246.50 | 454734.17 |
| LP22 | 2+149.99 | 8.42 LT | 75258.03 | 454737.89 |
| LP23 | 2+145.57 | 8.24 LT | 75259.93 | 454733.90 |
| LP24 | 2+139.12 | 7.87 LT | 75262.61 | 454728.02 |
| LP25 | 2+132.68 | 7.51 LT | 75265.29 | 454722.15 |
| LP26 | 2+122.88 | 7.00 LT | 75269.41 | 454713.24 |
| LP27 | 2+106.66 | 6.56 LT | 75276.98 | 454700.12 |
| LP28 | 2+105.81 | 6.55 LT | 75277.44 | 454699.47 |
| LP29 | 2+095.22 | 10.32 LT | 75286.56 | 454694.62 |
| LP30 | 1+180.19 | 8.47 RT | 75299.36 | 454699.65 |

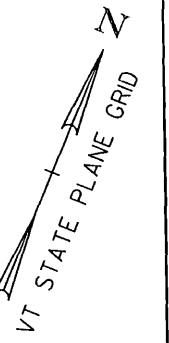
| LAYOUT POINT | BASELINE STATION | OFFSET | NORTHING | EASTING |
|--------------|------------------|----------|----------|-----------|
| LP31 | 1+183.88 | 7.85 RT | 75301.79 | 454702.05 |
| LP32 | 1+187.46 | 6.96 RT | 75304.82 | 454704.81 |
| LP33 | 1+189.04 | 6.69 RT | 75306.11 | 454706.03 |
| LP34 | 1+191.69 | 6.20 RT | 75308.36 | 454707.98 |
| LP35 | 1+195.40 | 5.68 RT | 75311.51 | 454710.62 |
| LP36 | 1+215.30 | 7.16 RT | 75328.17 | 454724.63 |
| LP37 | 1+220.87 | 8.39 RT | 75332.98 | 454728.41 |
| LP38 | 1+245.56 | 6.15 RT | 75342.73 | 454741.11 |
| LP39 | 1+250.76 | 5.46 RT | 75345.01 | 454746.07 |
| LP40 | 1+215.19 | 7.80 RT | 75327.77 | 454725.13 |
| LP41 | 1+215.67 | 7.90 RT | 75328.18 | 454725.46 |
| LP42 | 1+220.74 | 10.18 RT | 75332.08 | 454729.97 |
| LP43 | 1+237.18 | 12.11 RT | 75334.70 | 454733.98 |
| LP44 | 1+247.40 | 10.25 RT | 75339.36 | 454744.16 |
| LP44A | 1+250.21 | 9.92 RT | 75340.59 | 454746.93 |
| LP45 | 1+254.24 | 9.41 RT | 75342.48 | 454750.83 |
| LP46 | 1+324.06 | 7.77 RT | 75371.55 | 454814.93 |
| LP47 | 1+325.64 | 4.81 RT | 75374.89 | 454815.21 |
| LP48 | 1+328.33 | 3.20 RT | 75377.43 | 454817.04 |
| LP49 | 1+338.90 | 3.20 RT | 75381.60 | 454826.75 |
| LP50 | 1+342.06 | 4.17 RT | 75382.03 | 454830.11 |
| LP51 | 1+344.14 | 5.55 RT | 75381.64 | 454832.58 |
| LP52 | 1+354.72 | 4.30 RT | 75387.17 | 454841.68 |
| LP53 | 1+358.66 | 4.15 RT | 75388.95 | 454845.20 |
| LP54 | 1+358.79 | 5.02 LT | 75397.40 | 454841.65 |
| LP55 | 1+348.49 | 5.39 LT | 75393.39 | 454831.99 |
| LP56 | 1+341.94 | 5.70 LT | 75390.95 | 454825.90 |
| LP57 | 1+301.04 | 6.44 LT | 75375.51 | 454788.16 |
| LP58 | 1+295.63 | 6.54 LT | 75373.46 | 454783.15 |
| LP59 | 1+274.42 | 6.83 LT | 75365.36 | 454763.55 |
| LP60 | 1+269.54 | 6.77 LT | 75363.37 | 454759.09 |
| LP61 | 1+254.34 | 6.75 LT | 75357.70 | 454745.41 |
| LP62 | 1+246.18 | 6.15 LT | 75354.69 | 454738.21 |
| LP63 | 3+018.30 | 4.14 RT | 75362.99 | 454722.51 |
| LP64 | 3+022.60 | 4.04 RT | 75367.21 | 454721.64 |
| LP65 | 3+031.28 | 4.09 RT | 75375.75 | 454720.12 |
| LP66 | 3+036.24 | 4.75 RT | 75380.75 | 454719.88 |
| LP67 | 3+040.25 | 5.45 RT | 75384.81 | 454719.85 |
| LP68 | 3+043.50 | 6.00 RT | 75388.11 | 454719.81 |
| LP69 | 3+046.86 | 6.36 RT | 75391.48 | 454719.55 |



12/5/2011 1:55:14 PM V:\1953\active\1953\0137\17\102_Curb+SW_Layout.dwg

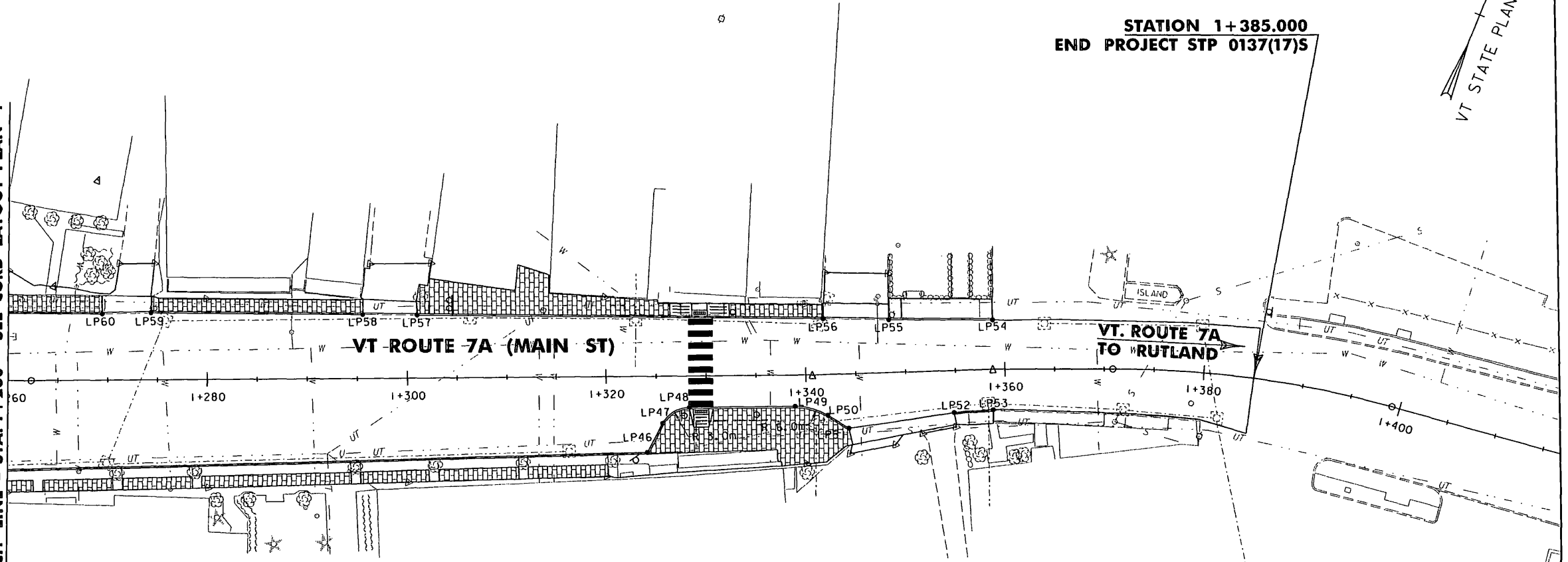


| | |
|-----------------------------------|---------------------------|
| PROJECT NAME: | MANCHESTER, VERMONT |
| PROJECT NUMBER: | STP 0137(17)S |
| FILE NAME: | ...102_Curb+SW_Layout.dwg |
| DESIGN SUPERVISOR: | GARY SANTY |
| DESIGNED BY: | STANTEC |
| CHECKED BY: | STANTEC |
| PLOT DATE: | 12/5/2011 |
| DRAWN BY: | STANTEC |
| CURB & SIDEWALK LAYOUT PLAN CLP 1 | SHEET 32 OF 149 |



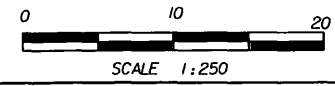
STATION 1+385.000
END PROJECT STP 0137(17)S

MATCH LINE - STA. 1+260 - SEE CURB LAYOUT PLAN 1

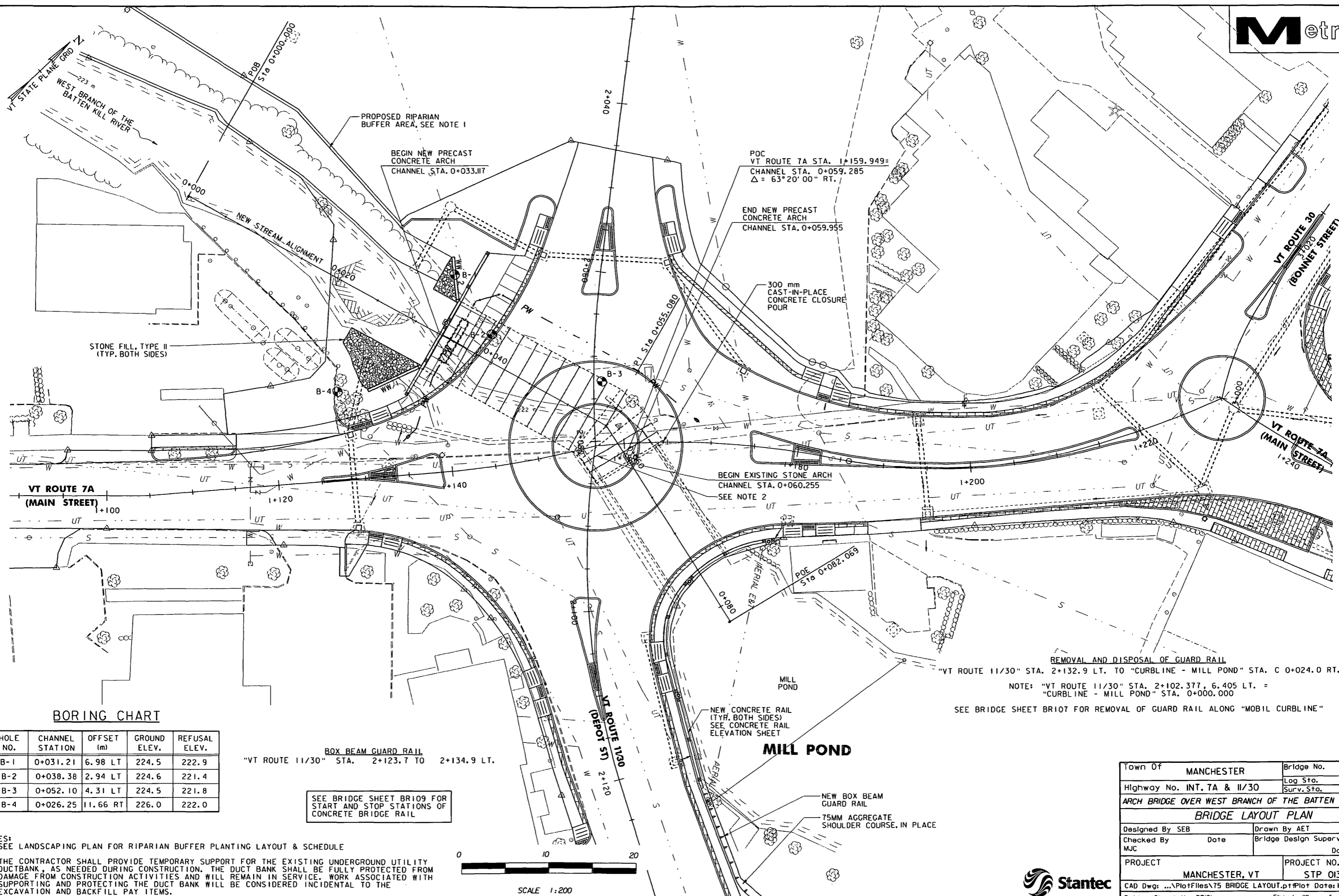


| LAYOUT POINT | BASELINE STATION | OFFSET | NORTHING | EASTING |
|--------------|------------------|----------|----------|-----------|
| LP70 | 3+050.00 | 6.40 RT | 75394.41 | 454719.14 |
| LP71 | 3+030.41 | 6.96 LT | 75372.90 | 454709.41 |
| LP72 | 3+028.91 | 7.03 LT | 75371.41 | 454709.61 |
| LP73 | 3+028.87 | 5.81 LT | 75371.59 | 454710.82 |
| LP74 | 3+027.33 | 4.36 LT | 75370.34 | 454712.53 |
| LP75 | 3+025.51 | 4.42 LT | 75368.54 | 454712.79 |
| LP76 | 3+024.08 | 5.94 LT | 75366.86 | 454711.55 |
| LP77 | 3+024.09 | 7.17 LT | 75366.65 | 454710.34 |
| LP78 | 3+017.44 | 7.38 LT | 75360.07 | 454711.33 |
| LP79 | 3+017.42 | 6.65 LT | 75360.18 | 454712.05 |
| LP80 | 3+015.74 | 5.21 LT | 75358.79 | 454713.77 |
| LP81 | 3+001.37 | 11.69 LT | 75340.23 | 454713.63 |
| LP82 | 1+201.17 | 5.85 LT | 75323.55 | 454706.08 |
| LP83 | 1+193.62 | 6.09 LT | 75318.79 | 454701.22 |
| LP84 | 1+171.30 | 10.00 LT | 75308.10 | 454681.10 |
| LP85 | 1+167.97 | 13.78 LT | 75308.30 | 454675.75 |
| LP86 | 1+184.77 | 7.87 LT | 75315.31 | 454694.00 |
| LP87 | 1+182.72 | 9.47 LT | 75315.50 | 454691.40 |
| LP88 | 1+181.22 | 8.15 LT | 75313.46 | 454690.80 |
| LP89 | 1+179.43 | 10.01 LT | 75313.81 | 454688.10 |
| LP90 | 1+179.13 | 8.55 LT | 75312.44 | 454688.71 |
| LP91 | 1+178.08 | 10.73 LT | 75313.48 | 454686.47 |
| LP92 | 1+177.52 | 9.33 LT | 75311.99 | 454686.83 |
| LP93 | 2+058.09 | 10.38 LT | 75312.87 | 454670.61 |
| LP93A | 2+059.06 | 9.16 LT | 75311.35 | 454670.24 |
| LP94 | 2+056.50 | 8.92 LT | 75313.22 | 454668.49 |
| LP95 | 2+055.72 | 9.25 LT | 75314.03 | 454668.26 |
| LP96 | 2+049.35 | 7.21 LT | 75317.79 | 454662.72 |
| LP97 | 2+048.89 | 6.58 LT | 75317.76 | 454661.94 |
| LP98 | 2+050.75 | 5.24 LT | 75315.46 | 454662.00 |
| LP99 | 2+045.88 | 4.27 LT | 75318.71 | 454658.26 |
| LP100 | 2+045.16 | 4.40 RT | 75313.92 | 454651.00 |

| LAYOUT POINT | BASELINE STATION | OFFSET | NORTHING | EASTING |
|--------------|------------------|----------|----------|-----------|
| LP101 | 2+047.31 | 4.73 RT | 75312.02 | 454652.07 |
| LP102 | 2+053.70 | 6.00 RT | 75306.21 | 454655.02 |
| LP103 | 2+051.94 | 7.18 RT | 75306.87 | 454653.00 |
| LP104 | 2+051.89 | 7.42 RT | 75306.76 | 454652.78 |
| LP105 | 2+053.17 | 9.20 RT | 75304.65 | 454652.17 |
| LP106 | 2+058.47 | 10.24 RT | 75299.85 | 454654.62 |
| LP107 | 2+055.80 | 16.63 RT | 75297.99 | 454647.95 |
| LP108 | 2+056.50 | 22.35 RT | 75293.91 | 454643.88 |
| LP109 | 2+057.46 | 23.21 RT | 75292.63 | 454643.80 |
| LP110 | 2+054.07 | 7.75 RT | 75304.84 | 454653.86 |
| LP111 | 2+059.24 | 8.89 RT | 75300.06 | 454656.16 |
| LP112 | 2+059.39 | 12.95 RT | 75297.44 | 454653.06 |
| LP113 | 2+056.29 | 6.51 RT | 75303.85 | 454656.21 |
| LP114 | 2+070.29 | 13.15 RT | 75288.14 | 454660.81 |
| LP115 | 1+130.64 | 5.93 LT | 75272.92 | 454657.75 |
| LP116 | 1+130.13 | 5.86 LT | 75272.46 | 454657.50 |
| LP117 | 1+135.60 | 9.29 LT | 75278.87 | 454658.37 |
| LP118 | 1+129.84 | 7.45 LT | 75273.29 | 454656.08 |
| LP119 | 1+127.16 | 8.24 LT | 75271.74 | 454653.75 |
| LP120 | 1+115.46 | 4.62 LT | 75260.45 | 454649.01 |
| LP121 | 1+114.56 | 3.94 LT | 75259.32 | 454648.95 |
| LP122 | 1+106.53 | 3.93 LT | 75253.15 | 454643.80 |
| LP123 | 1+105.59 | 5.21 LT | 75253.26 | 454642.21 |
| LP124 | 1+112.54 | 6.56 LT | 75259.45 | 454645.64 |



PROJECT NAME: MANCHESTER, VERMONT
 PROJECT NUMBER: STP 0137(17)S
 FILE NAME: ...N2b Curb+SW Layout.prf PLOT DATE: 12/5/2011
 DESIGN SUPERVISOR: GARY SANTY DRAWN BY: STANTEC
 DESIGNED BY: STANTEC CHECKED BY: STANTEC
 CURB & SIDEWALK LAYOUT PLAN CLP 2 SHEET 33 OF 149

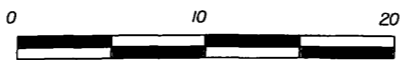


BORING CHART

| HOLE NO. | CHANNEL STATION | OFFSET (m) | GROUND ELEV. | REFUSAL ELEV. |
|----------|-----------------|------------|--------------|---------------|
| B-1 | 0+031.21 | 6.98 LT | 224.5 | 222.9 |
| B-2 | 0+038.38 | 2.94 LT | 224.6 | 221.4 |
| B-3 | 0+052.10 | 4.31 LT | 224.5 | 221.8 |
| B-4 | 0+026.25 | 11.66 RT | 226.0 | 222.0 |

BOX BEAM GUARD RAIL
"VT ROUTE 11/30" STA. 2+123.7 TO 2+134.9 LT.

SEE BRIDGE SHEET BR109 FOR START AND STOP STATIONS OF CONCRETE BRIDGE RAIL



SCALE 1:200

- NOTES:
- SEE LANDSCAPING PLAN FOR RIPARIAN BUFFER PLANTING LAYOUT & SCHEDULE
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR THE EXISTING UNDERGROUND UTILITY DUCTBANK, AS NEEDED DURING CONSTRUCTION. THE DUCT BANK SHALL BE FULLY PROTECTED FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AND WILL REMAIN IN SERVICE. WORK ASSOCIATED WITH SUPPORTING AND PROTECTING THE DUCT BANK WILL BE CONSIDERED INCIDENTAL TO THE EXCAVATION AND BACKFILL PAY ITEMS.

| | | | |
|---|-----------------------------------|--------------------------|---------------|
| Town Of | MANCHESTER | Bridge No. | 29 |
| Highway No. | INT. 7A & 11/30 | Log Sta. | |
| ARCH BRIDGE OVER WEST BRANCH OF THE BATTEN KILL RIVER | | Surv. Sta. | |
| BRIDGE LAYOUT PLAN | | | |
| Designed By | SEB | Drawn By | AET |
| Checked By | MJC | Bridge Design Supervisor | |
| PROJECT | MANCHESTER, VT | PROJECT NO. | STP 0137(17)S |
| CAD Dwg: | ...PlotFiles\75 BRIDGE LAYOUT.plt | Date: | 12/5/2011 |
| Bridge Sheet No. | BR101 | Sheet | 115 of 149 |

