

Watershed Management Division
1 National Life Drive, Main 2
Montpelier VT 05620-3522
www.watershedmanagement.vt.gov

[phone] 802-828-1535
[fax] 802-828-1544

AUTHORIZATION TO CONDUCT NEXT FLOOD MEASURES

Pursuant to Section F of the Vermont Stream Alteration General Permit

Project Number: NFM-06- 01 -2016Applicant Name: Town of Bethel Phone: (802) 234-9722Mailing Address: 134 So. Main St., Bethel, VT, 05032Project Location: 320 old Route 12Email: betheltownmgr@comcast.net

The Secretary of the Vermont Agency of Natural Resources (VT ANR) has determined that:

1. This project authorizes Removal of existing bridge and restoration of stream channel
2. The proposed activity is eligible for coverage under the VT ANR Stream Alteration General Permit – Next Flood Measures.
3. The proposed activity will meet the terms and conditions of Section F of the General Permit provided:
 - a) The project will be completed and approved as shown on the plan dated 09/2015, prepared by Dubois & King, and approved by the Vermont Agency of Natural Resources.
 - b) The project is proportional to the threat and conditioned to cease when the threat to life or to improved property has ended.
 - c) The project will not result in a threat to life, public health or safety.
 - d) The project will meet the standards detailed in subsection E.2.1 and E.2.2 of the General Permit.
 - e) The project will meet Stream Alteration Standards to the greatest extent possible.
 - f) A pre-construction meeting is held between the contractor, owner/applicant, and the ANR River Management Engineer.
 - g) The River Management Engineer is notified by phone or email when construction begins and when the project is complete.

If there are any changes in the project plan or deviation in construction from the plan, the Permittee must notify the River Management Engineer immediately.

If the project is constructed as you have described, as shown on the above referenced approved plans and according to the above conditions, there is no reason to expect any violation of Vermont Water Quality Standards.

Signed this 15th day of March, 2015
David K. Mears, Commissioner
Department of Environmental Conservation

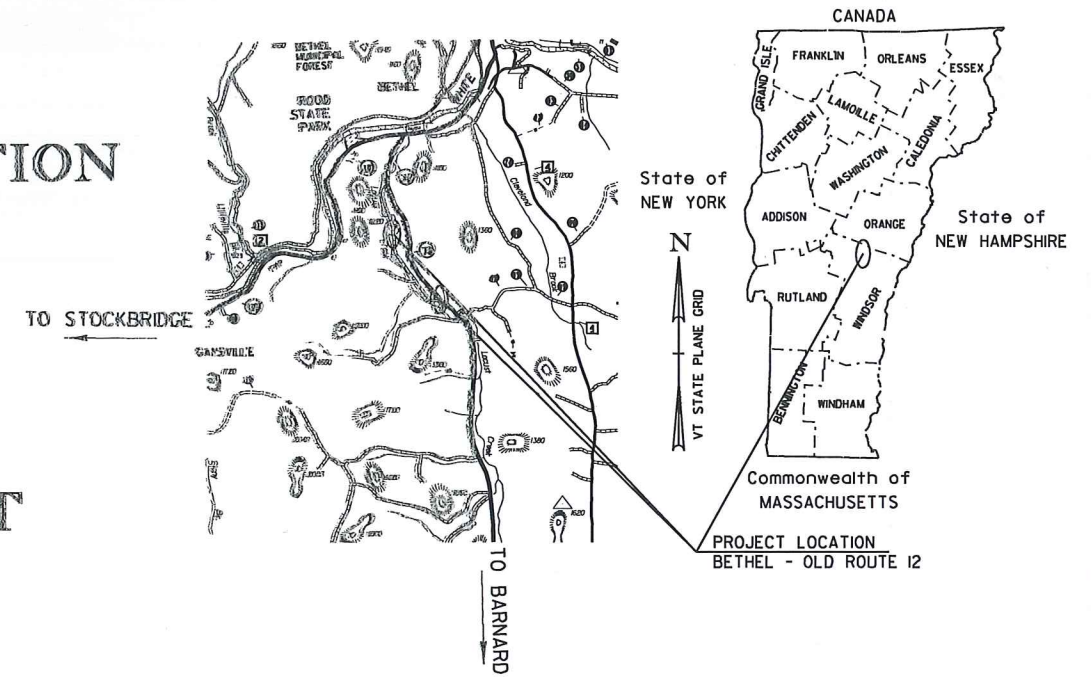
This permit expires October 1, 2016.

by: 
Jaron Borg, River Management Engineer

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT OLD ROUTE 12 TOWN OF BETHEL COUNTY OF WINDSOR



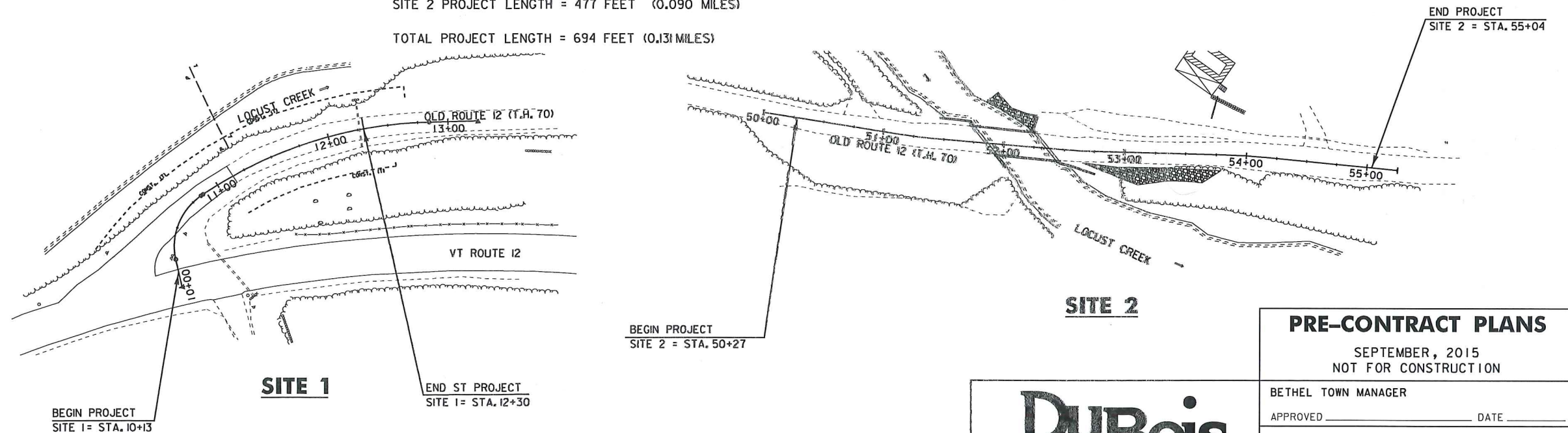
APPROVAL
WATERSHED MANAGEMENT DIVISION

DATE 03/15/2016

BY [Signature]
THIS APPROVAL IS SUBJECT TO THE TERMS
AND CONDITIONS OF STREAM ALTERATION
PERMIT # SA-06 ISSUED HERewith
NFM-06-01-2016

- PROJECT LOCATION: (SITE 1) BEGINNING IN THE TOWN OF BARNARD AT THE SOUTHERN INTERSECTION OF VERMONT ROUTE 12 AND OLD ROUTE 12 AND CONTINUING NORTHWARDS ALONG OLD ROUTE 12 FOR A DISTANCE OF APPROXIMATELY 230 FEET.
- PROJECT LOCATION: (SITE 2) BEGINNING IN THE TOWN OF BETHEL ON OLD ROUTE 12 AT A POINT APPROXIMATELY 175 FEET SOUTH OF TOWN BRIDGE 49 AND CONTINUING NORTHWARD FOR A DISTANCE OF APPROXIMATELY 522 FEET.
- PROJECT DESCRIPTION: (SITE 1) WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE RECONFIGURATION OF THE INTERSECTION OF OLD ROUTE 12 AND VT ROUTE 12, INCLUDING ROADWAY REALIGNMENT, SIGNAGE, STRIPING, DRAINAGE, GUARD RAIL RECONFIGURATION AND STONE FILL.
- PROJECT DESCRIPTION: (SITE 2) WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES REMOVAL OF BRIDGE NO. 49, THE RESTORATION OF THE STREAM CHANNEL AND THE CREATION OF ROADWAY TURN-AROUNDS ON EITHER SIDE OF THE BRIDGE LOCATION.

SITE 1 PROJECT LENGTH = 217 FEET (0.041 MILES)
SITE 2 PROJECT LENGTH = 477 FEET (0.090 MILES)
TOTAL PROJECT LENGTH = 694 FEET (0.131 MILES)



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

SURVEYED BY : PHELPS ENGINEERING, INC.
SURVEYED DATE : UNKNOWN

DATUM
VERTICAL UNKNOWN (ASSUMED)
HORIZONTAL UNKNOWN (ASSUMED)



PRE-CONTRACT PLANS

SEPTEMBER, 2015
NOT FOR CONSTRUCTION

BETHEL TOWN MANAGER
APPROVED _____ DATE _____
PROJECT MANAGER : EVAN P. DETRICK, P.E.
PROJECT NAME : OLD ROUTE 12 IMPROVEMENTS
PROJECT NUMBER : 622906
SHEET 1 OF 24 SHEETS

**NOT FOR
CONSTRUCTION
PRE-CONTRACT
PLANS**

TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

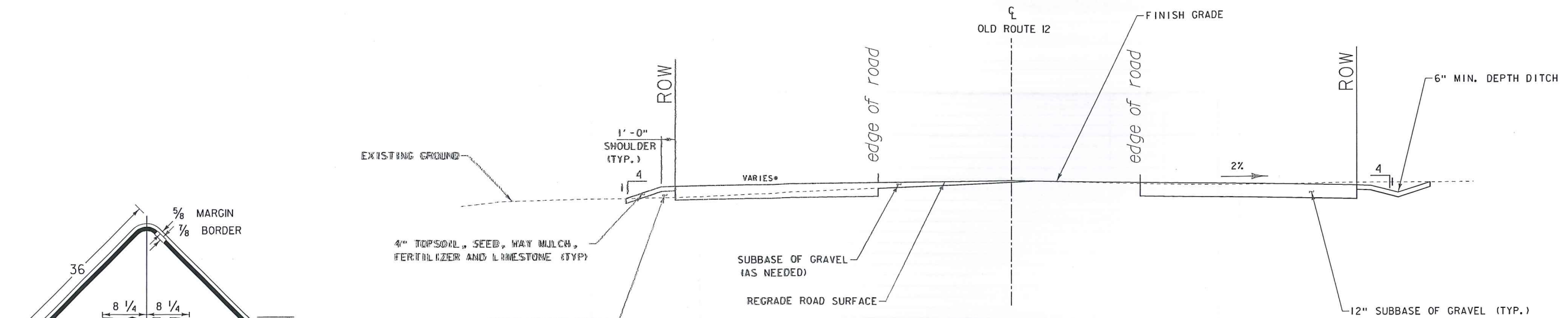
SHEET TITLE

TYPICAL
SECTIONS AND
DETAILS SHEET 2

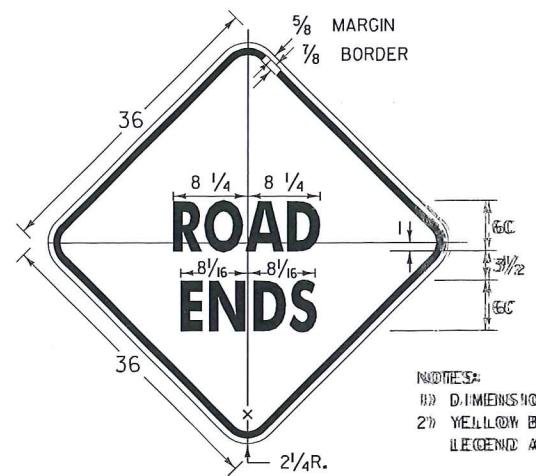
DRAWN BY	DATE
RSD	SEP. 2015
CHECKED BY	DKR PROJECT #
EPD	622906
PROJ. ENG.	DKR ARCHIVE #
EPD	622906

SHEET NUMBER

8

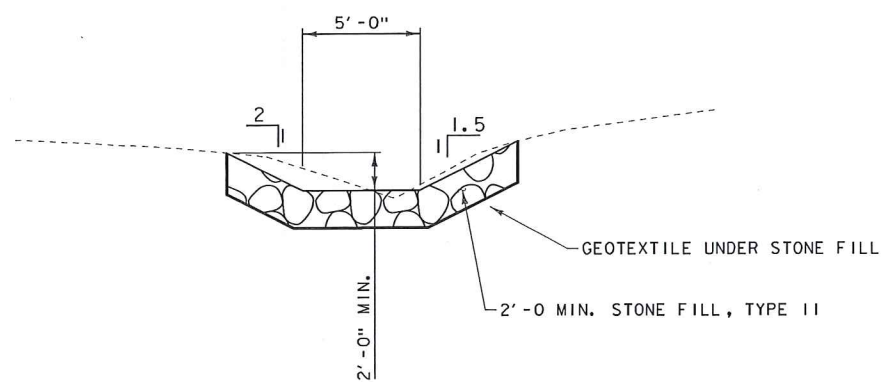


TURNAROUND TYPICAL SECTION
STA. 50+27 TO STA. 51+15
STA. 54+18 TO STA. 55+03
NOTE: • SEE CROSS SECTIONS FOR SLOPE
NOT TO SCALE

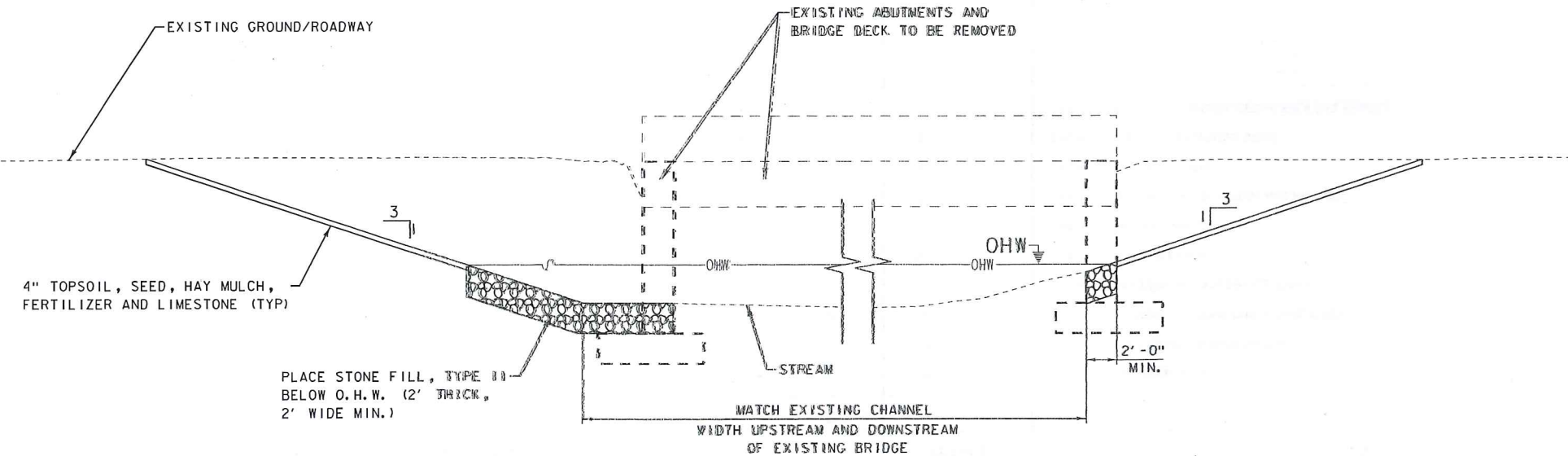


W8-3M FABRICATION DETAIL
NOT TO SCALE

- NOTES:
1) DIMENSIONS IN INCHES
2) YELLOW BACKGROUND WITH BLACK
LEGEND AND BORDER



STONE-LINED SWALE TYPICAL SECTION
SCALE 1" = 10'-0"
10 0 10



ABUTMENT REMOVAL DETAIL
SCALE 1" = 10'-0"
10 0 10

APPROVAL
WATERSHED MANAGEMENT DIVISION
DATE 03/15/2016
BY [Signature]
**THIS APPROVAL IS SUBJECT TO THE TERMS
AND CONDITIONS OF STREAM ALTERATION
PERMIT # SA-2 ISSUED HEREWITH**
NPM-06-01-2016

**NOT FOR
CONSTRUCTION
CONTRACT
PLANS**

TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

SHEET TITLE

LAYOUT SHEET
SITE 2

DRAWN BY	DATE
RSD	SEP. 2015
CHECKED BY	DSK PROJECT #
EPD	622906
PROJ. ENG.	DSK ARCHIVE #
EPD	622906

SHEET NUMBER

11

② STA. 54+36.04 LT 24.00' TO
STA. 54+75.32 LT 22.54'
REMOVE EX. 12" CPEP
INSTALL NEW 15" CPEP
LENGTH = 40' - 0"
INV. IN = 99.87'
INV. OUT = 99.19'

CURVE (1)
DELTA = 4°20'59"
D = 16°22'13"
R = 350.00'
T = 13.29'
L = 26.57'
E = 0.25'

CURVE (2)
DELTA = 3°24'58"
D = 11°27'33"
R = 500.00'
T = 14.91'
L = 29.81'
E = 0.22'

CURVE (3)
DELTA = 4°10'52"
D = 11°27'33"
R = 500.00'
T = 18.25'
L = 36.49'
E = 0.33'

STONE FILL, TYPE 11
STA. 51+23 - STA. 52+21 RT
STA. 52+10 - STA. 52+46 LT
GEOTEXTILE UNDER STONE FILL
STA. 51+23 - STA. 52+21 RT
STA. 52+10 - STA. 52+46 LT

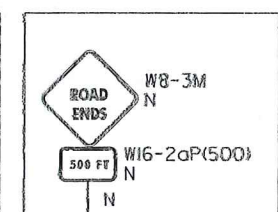
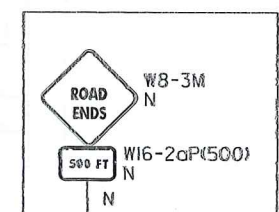
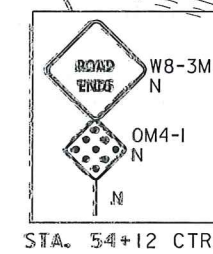
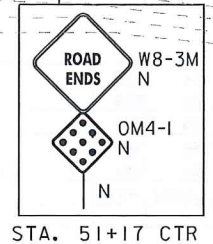
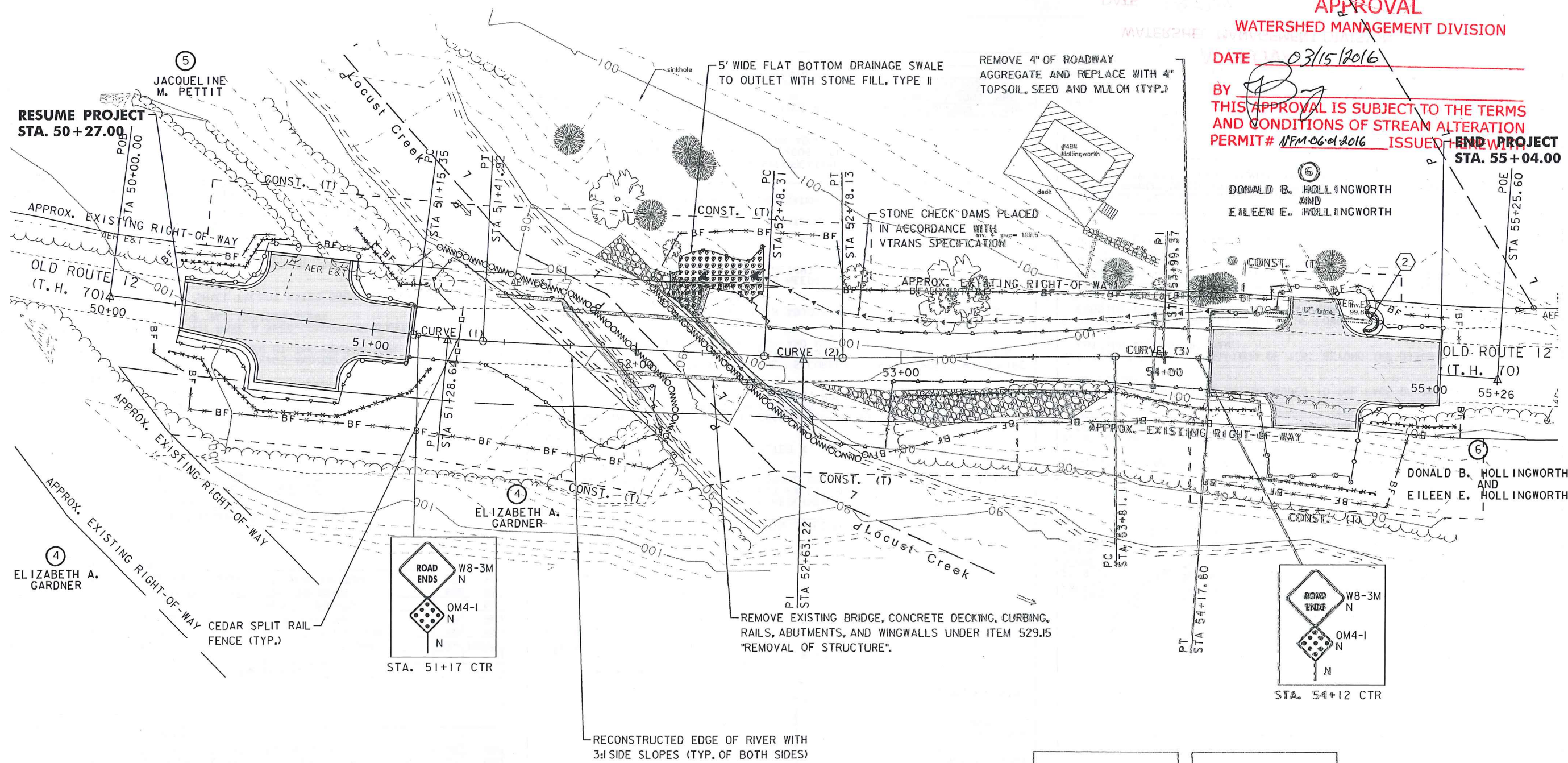
SPECIAL PROVISION (SPLIT RAIL FENCE)
STA. 51+34 LT - STA. 51+32 RT
STA. 53+96 LT - STA. 53+96 RT

APPROVAL
WATERSHED MANAGEMENT DIVISION

DATE 03/15/2016
BY [Signature]
**THIS APPROVAL IS SUBJECT TO THE TERMS
AND CONDITIONS OF STREAM ALTERATION
PERMIT # NFM-06-01-2016 ISSUED FOR
RESUME PROJECT STA. 50+27.00
END PROJECT STA. 55+04.00**

⑤
DONALD B. HOLLINGWORTH
AND
EILEEN E. HOLLINGWORTH

⑥
DONALD B. HOLLINGWORTH
AND
EILEEN E. HOLLINGWORTH



500' S/O STA. 51+17
FACING NORTHBOUND
TRAFFIC ON RIGHT

500' N/O STA. 54+17
FACING SOUTHBOUND
TRAFFIC ON RIGHT



GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
STA. 50+24 - STA. 50+42 RT
STA. 50+25 - STA. 50+63 LT
STA. 50+42 - STA. 51+23 RT
STA. 50+88 - STA. 51+18 LT
STA. 52+98 - STA. 54+35 RT
STA. 54+25 - STA. 54+82 RT
STA. 54+78 - STA. 55+10 RT

GEOTEXTILE FOR FILTER CURTAIN
STA. 51+20 LT - STA. 52+23 RT
STA. 52+04 LT - STA. 52+89 RT
TEMPORARY STONE CHECK DAM, TYPE I
STA. 51+23 - STA. 52+21 RT
STA. 52+10 - STA. 52+46 LT
STA. 52+46 - STA. 54+36 LT

INLET PROTECTION, TYPE I
STA. 54+75 LT
BARRIER FENCE
STA. 50+18 - STA. 50+60 LT
STA. 50+18 - STA. 50+23 RT
STA. 50+77 - STA. 51+20 LT
STA. 52+04 - STA. 54+44 LT
STA. 52+89 - STA. 55+13 RT
STA. 54+61 - STA. 55+10 LT

VAOT LOW GROW/FINE FESCUE MIX						
WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
38%	57	95	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	90%	98%
29%	43.5	72.5	HARD FESCUE	FESTUCA LONGIFOLIA	95%	95%
15%	22.5	37.5	CHEWINGS FESCUE	FESTUCA RUBRA VAR. COMMUTATA	87%	95%
15%	22.5	37.5	ANNUAL RYEGRASS	LOLIUM MULTIFLORUM	90%	95%
3%	4.5	7.5	INERTS			
100%	150	250				

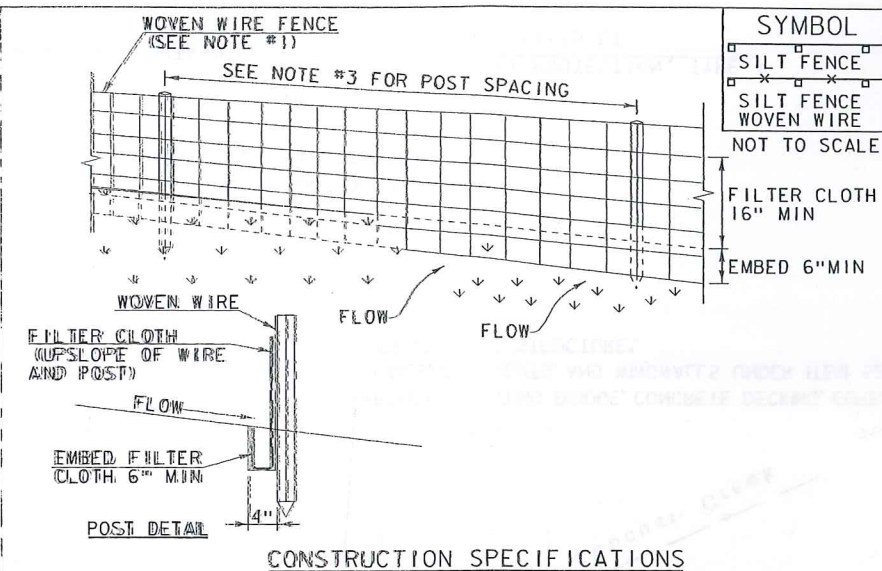
VAOT RURAL AREA MIX						
WEIGHT	LBS/AC		NAME	LATIN NAME	GERM	PURITY
	BROADCAST	HYDROSEED				
37.5%	22.5	45	CREeping RED FESCUE	FESTUCA RUBRA VAR. RUBRA	85%	90%
37.5%	22.5	45	TALL FESCUE	FESTUCA ARUNDINACEA	90%	95%
5.0%	3	6	RED TOP	AGROSTIS GIGANTEA	90%	95%
15.0%	9	18	WHITE FIELD CLOVER	TRIPOLIUM REPENS	85%	90%
5.0%	3	6	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM	85%	95%
100%	60	120				

GENERAL AMENDMENT GUIDANCE		
FERTILIZER	LIME	
10/20/10	AG LIME	PELLETIZED
500 LBS/AC	2 TONS/AC	1 TONS/AC

CONSTRUCTION GUIDANCE

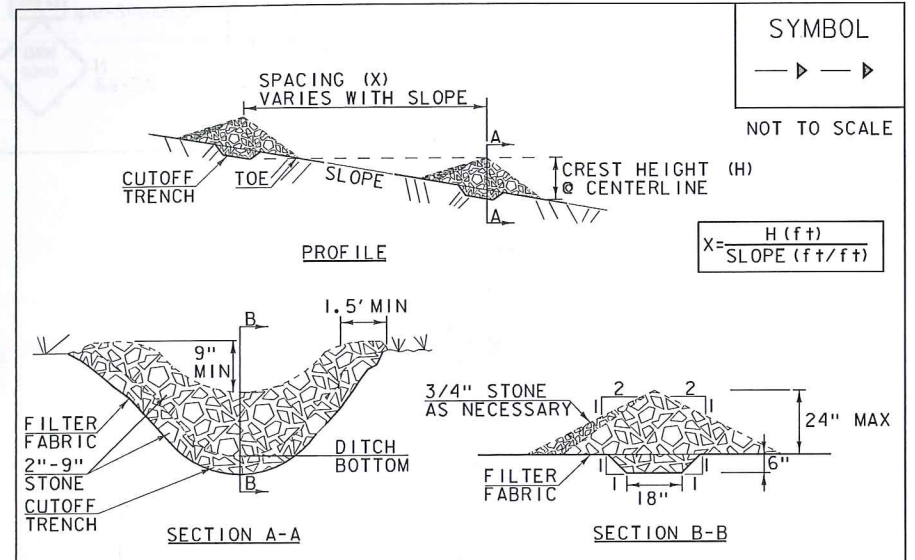
- SEED MIX: THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER ON WHICH SEED MIX TO USE.
- SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
- ALL SEED MIXTURES: SHALL NOT HAVE A WEED COMPONENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEEDS.
- FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
- HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED PROPOSED FOR USE WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED.
- TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

ADAPTED FROM VTRANS TECHNICAL LANDSCAPE MANUAL FOR ROADWAYS AND TRANSPORTATION FACILITIES	TURF ESTABLISHMENT				
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.15)	<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td>JANUARY 12, 2015</td> <td>WHF</td> </tr> </table>	REVISIONS		JANUARY 12, 2015	WHF
REVISIONS					
JANUARY 12, 2015	WHF				



- CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
 - FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIBROX, STABILINKA T140N OR APPROVED EQUIVALENT.
 - POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
 - WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	SILT FENCE								
NOTES: REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.	<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td>MARCH 20, 2008</td> <td>WHF</td> </tr> <tr> <td>DECEMBER 11, 2008</td> <td>WHF</td> </tr> <tr> <td>JANUARY 13, 2009</td> <td>WHF</td> </tr> </table>	REVISIONS		MARCH 20, 2008	WHF	DECEMBER 11, 2008	WHF	JANUARY 13, 2009	WHF
REVISIONS									
MARCH 20, 2008	WHF								
DECEMBER 11, 2008	WHF								
JANUARY 13, 2009	WHF								
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE (PAY ITEM 649.51) OR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.515).									



- CONSTRUCTION SPECIFICATIONS**
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
 - CHECK DAMS SHALL BE SPACED SO THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
 - 3/4" FILTERING STONE MAY BE ADDED TO THE FACE OF THE CHECK DAM AS NECESSARY.
 - EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
 - PROTECT CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
 - ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
 - MAXIMUM DRAINAGE AREA 2 ACRES.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	CHECK DAM						
NOTES: REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006-" FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.	<table border="1"> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <td>MARCH 20, 2008</td> <td>WHF</td> </tr> <tr> <td>JANUARY 8, 2009</td> <td>WHF</td> </tr> </table>	REVISIONS		MARCH 20, 2008	WHF	JANUARY 8, 2009	WHF
REVISIONS							
MARCH 20, 2008	WHF						
JANUARY 8, 2009	WHF						
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR TEMPORARY STONE CHECK DAM, TYPE I (PAY ITEM 653.25)							

APPROVAL
WATERSHED MANAGEMENT DIVISION
 DATE 03/15/2016
 BY [Signature]
THIS APPROVAL IS SUBJECT TO THE TERMS AND CONDITIONS OF STREAM ALTERATION PERMIT # NFM-06-01-2016 ISSUED HEREWITH

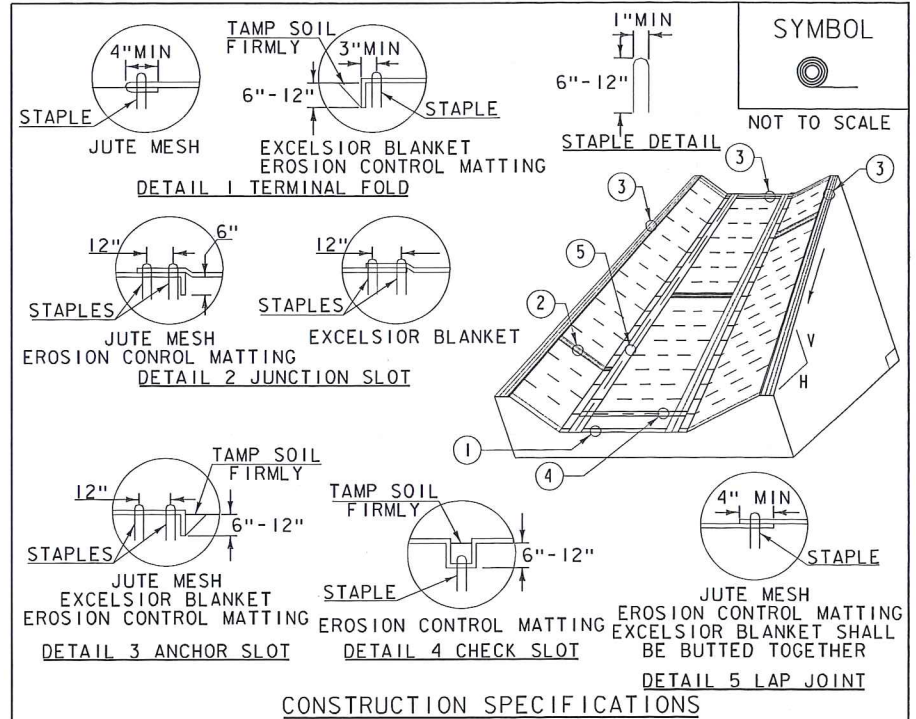
DuBois & King Inc.
 ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
 28 NORTH MAIN ST. RANDOLPH, VT 05060
 TEL: (802) 728-3376 FAX: (802) 728-4930
 www.dubois-king.com
 WILLISTON, VT SPRINGFIELD, VT BEDFORD, NH
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 PROFESSIONAL SEAL

NOT FOR CONSTRUCTION PRE-CONTRACT PLANS

TOWN OF BETHEL, VERMONT
OLD ROUTE 12 IMPROVEMENTS
SHEET TITLE
EPSC DETAIL SHEET 1
DRAWN BY: RSD DATE: AUG. 2015
CHECKED BY: EPD D&K PROJECT #: 622906
PROJ. ENG.: EPD D&K ARCHIVE #: 622906
SHEET NUMBER
13
SHEET 13 OF 24

**NOT FOR
CONSTRUCTION
PRE-CONTRACT
PLANS**

APPROVAL
WATERSHED MANAGEMENT DIVISION
DATE 03/15/2016
BY [Signature]
**THIS APPROVAL IS SUBJECT TO THE TERMS
AND CONDITIONS OF STREAM ALTERATION
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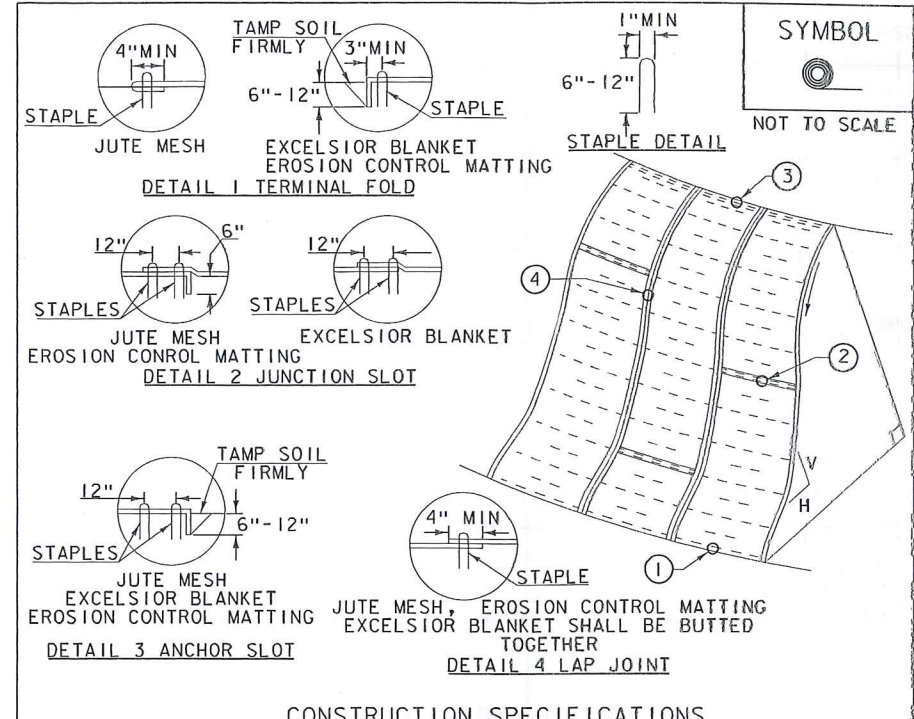
- CONSTRUCTION SPECIFICATIONS**
1. EROSION MATTING, CHECK SLOTS, SHALL BE SPACED IN DITCH CHANNEL SO THAT ONE OCCURS WITHIN EACH 50' ON SLOPES OF MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT ONE OCCURS WITHIN EACH 25'.
 2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
 3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 205' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
 4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
 5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**ROLLED EROSION
CONTROL PRODUCT
(RECP) DITCH**

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR
EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM
THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL
GUIDANCE.
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH
SECTION 653 AND AS SHOWN IN THE PLANS FOR
TEMPORARY EROSION MATTING (PAY ITEM 653.20) OR
PERMANENT EROSION MATTING (PAY ITEM 653.20).

REVISIONS		
MARCH 8, 2007	JMF	
APRIL 16, 2007	WHF	
JANUARY 13, 2009	WHF	



- CONSTRUCTION SPECIFICATIONS**
1. APPLY TO SLOPES GREATER THAN 3H: 1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
 2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
 3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4' X 205' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4' X 150' ROLL OF MATERIAL.
 4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
 5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**ROLLED EROSION
CONTROL PRODUCT
(RECP) SIDE SLOPE**

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR
EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM
THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL
GUIDANCE.
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH
SECTION 653 AND AS SHOWN IN THE PLANS FOR
TEMPORARY EROSION MATTING (PAY ITEM 653.20) OR
PERMANENT EROSION MATTING (PAY ITEM 653.20).

REVISIONS		
APRIL 16, 2007	JMF	
JANUARY 13, 2009	WHF	

RECEIVED
WATERSHED MANAGEMENT DIVISION
MARCH 15 2016
DATE

TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

SHEET TITLE

EPSC DETAIL
SHEET 2

DRAWN BY	DATE
RSD	AUG. 2015
CHECKED BY	DSK PROJECT #
EPD	622906
PROJ. ENG.	DSK ARCHIVE #
EPD	622906

SHEET NUMBER

14

SHEET 14 OF 24

APPROVAL
WATERSHED MANAGEMENT DIVISION

DATE 03/15/2016

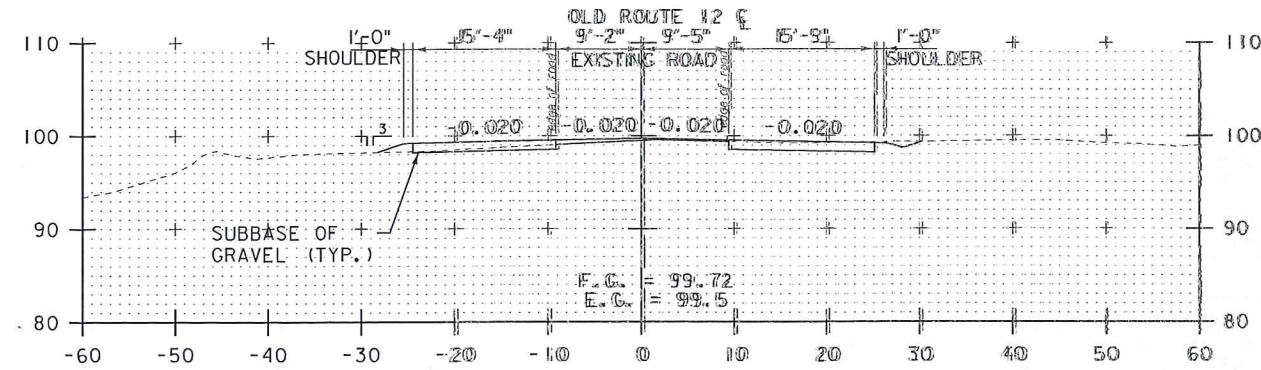
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PERMIT # NFM.06-d.2016 ISSUED HEREWITH



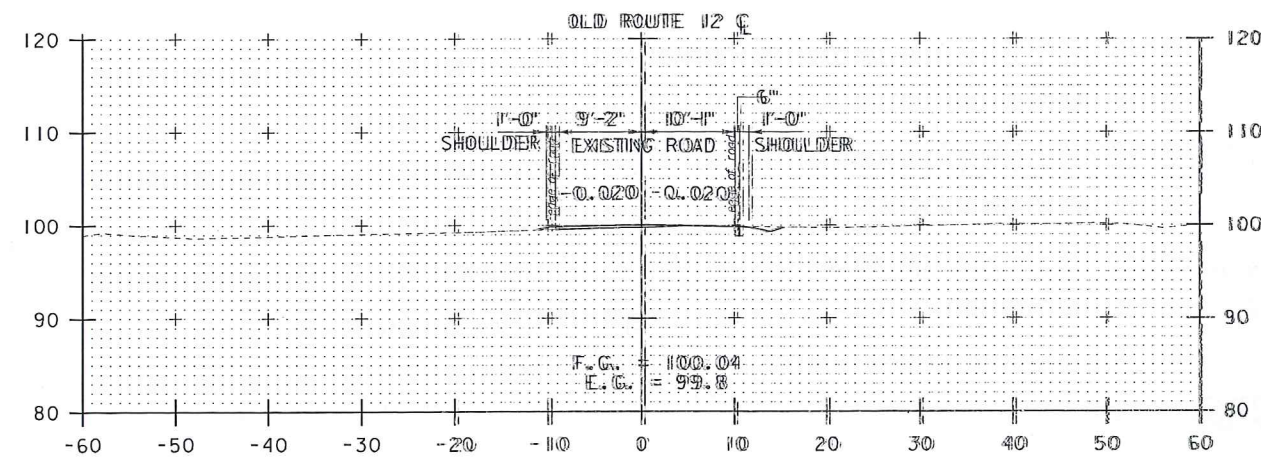
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MANAGEMENT • DEVELOPMENT
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PROFESSIONAL SEAL

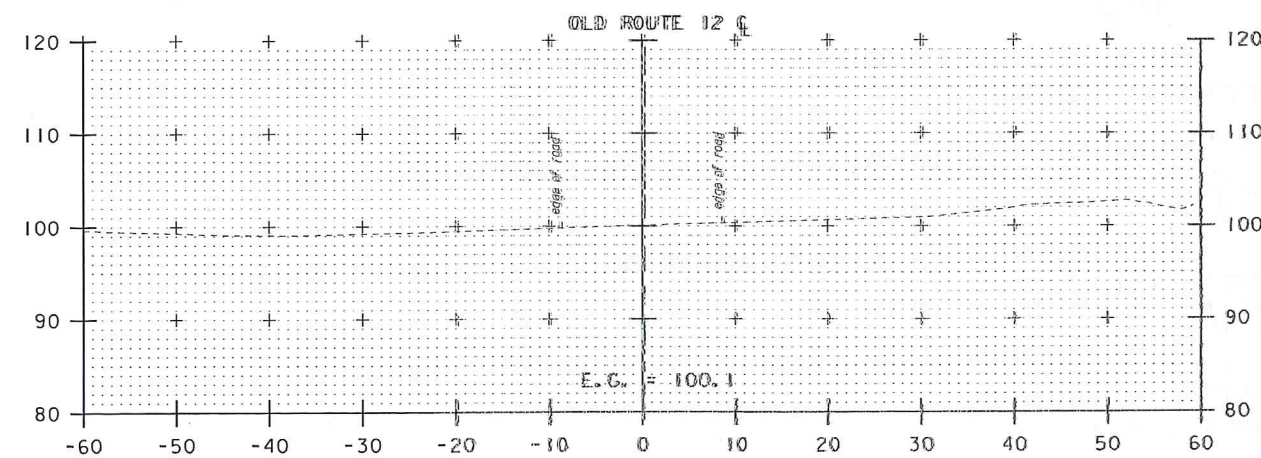
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PLANS**



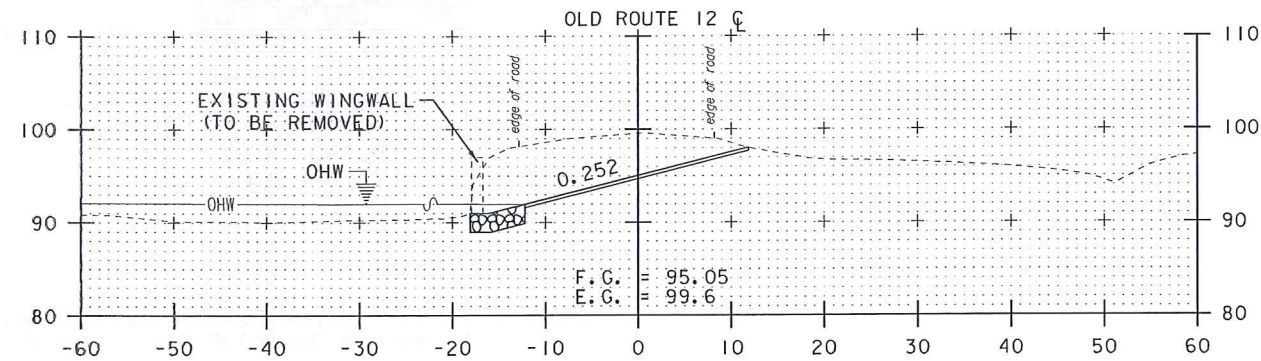
50+75



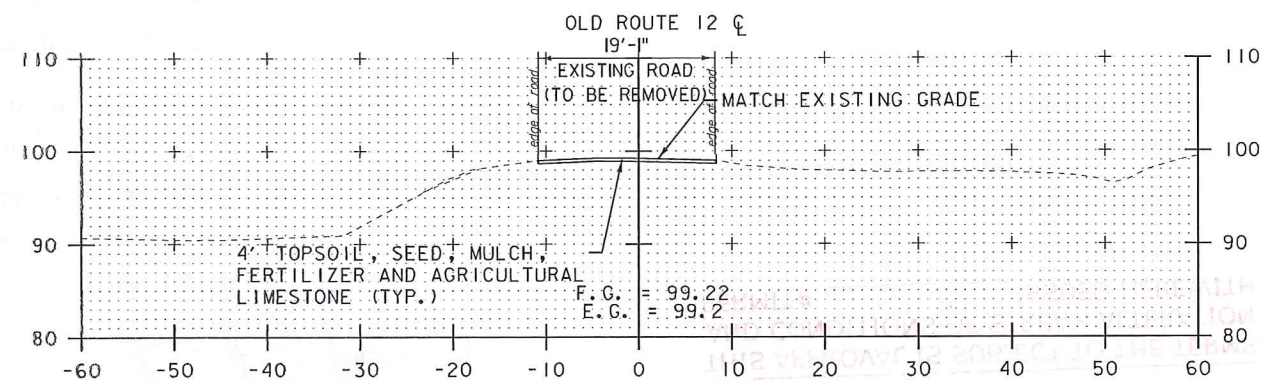
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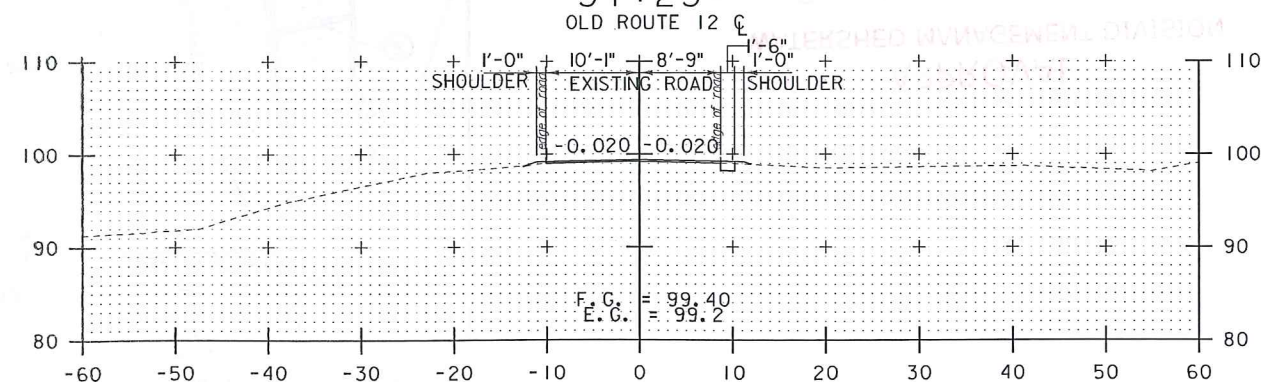
50+25



51+50



51+25



51+00

STA. 50+25 TO STA. 51+50

TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

SHEET TITLE
CROSS SECTIONS
SITE 2
SHEET 1

DRAWN BY	DATE
RSD	SEP. 2015
CHECKED BY	DSK PROJECT #
EPD	622906
PROJ. ENG.	DSK ARCHIVE #
EPD	622906

SHEET NUMBER

20

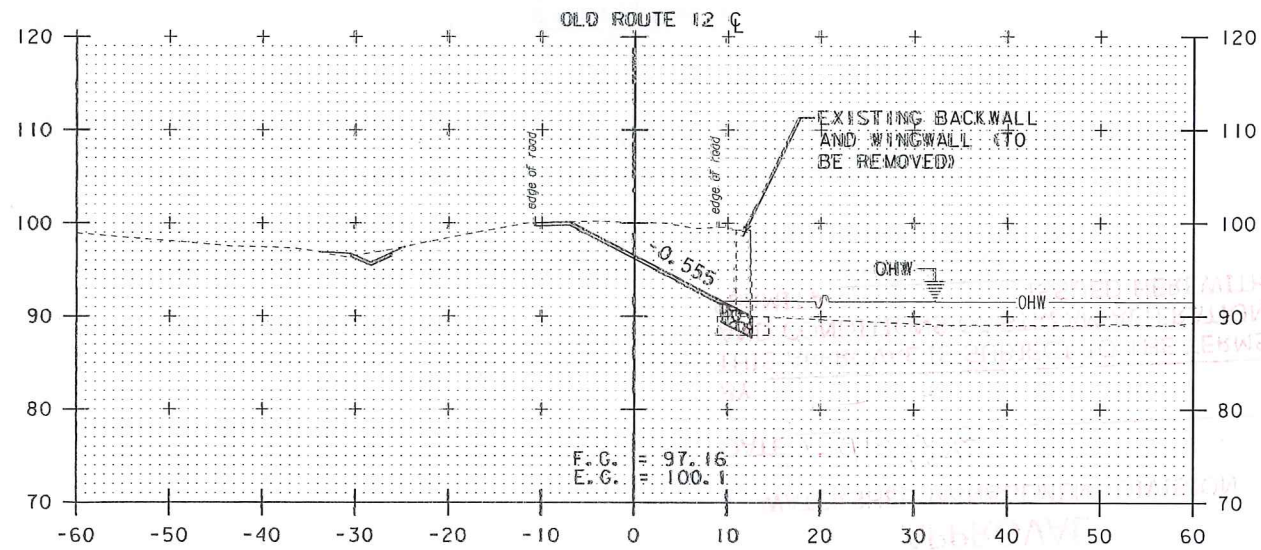
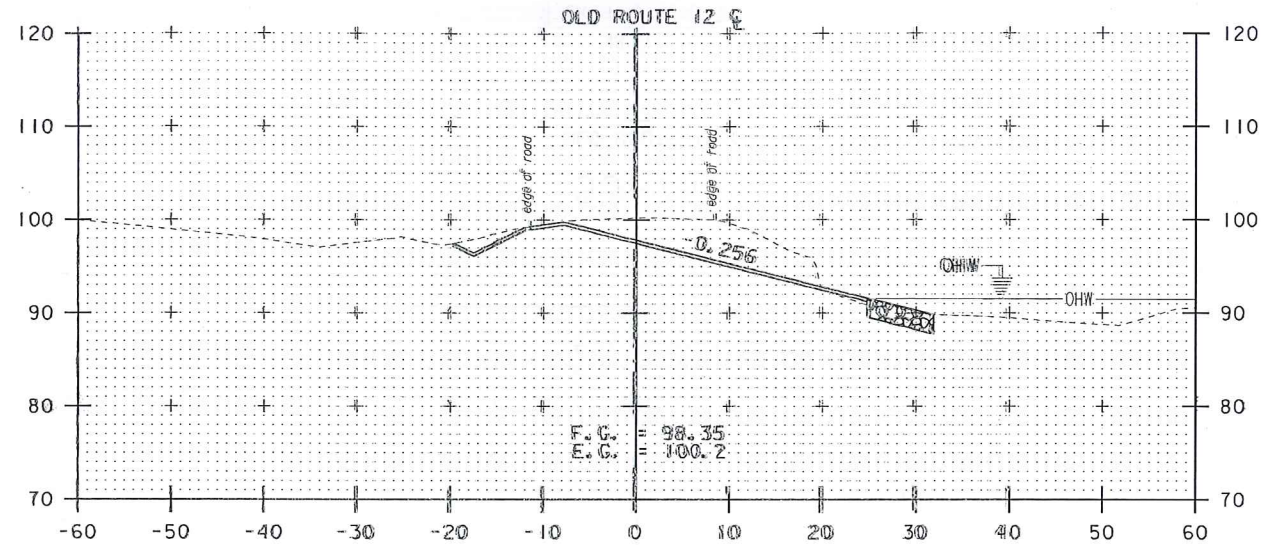
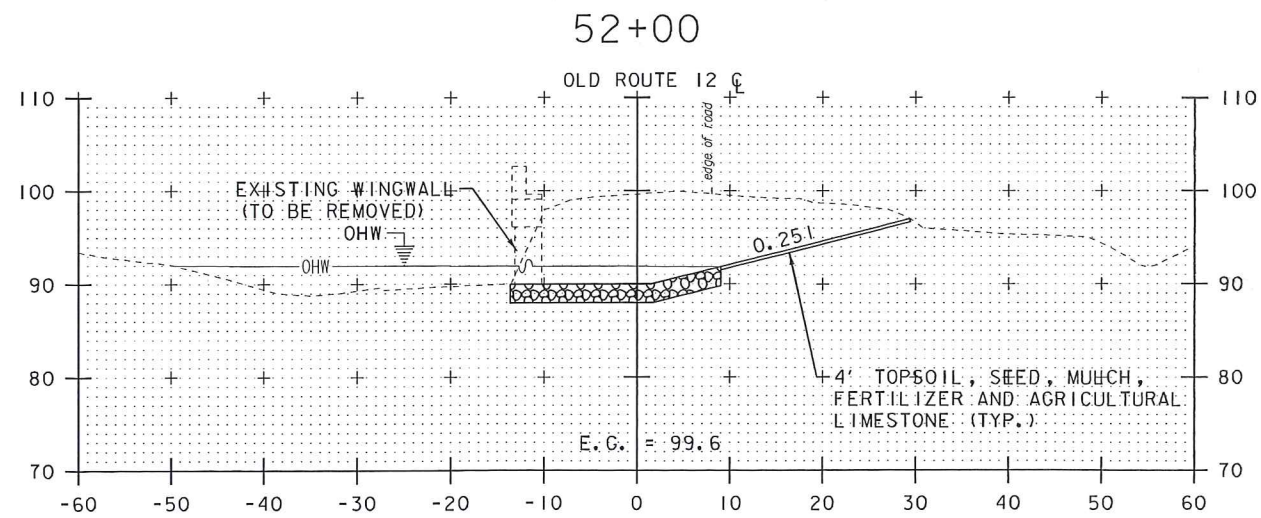
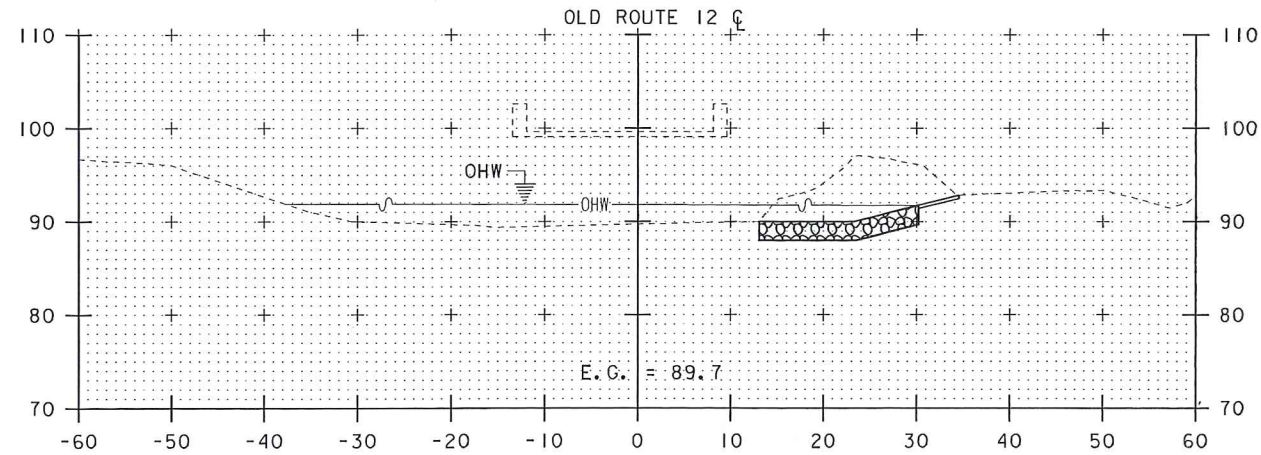
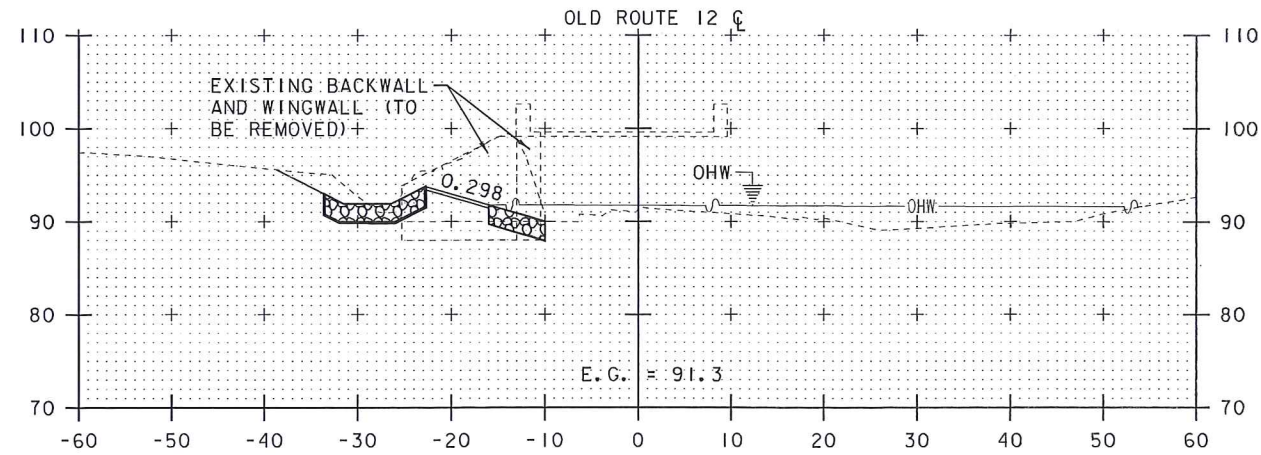
SHEET 20 OF 24

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**APPROVAL
WATERSHED MANAGEMENT DIVISION**

DATE 03/15/2016

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PERMIT # NFM 06-01 2016 ISSUED HEREWITH



STA. 51+75 TO STA. 52+75

I:\622906 - Bethel Bridge and Intersection\622906.dgn

TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

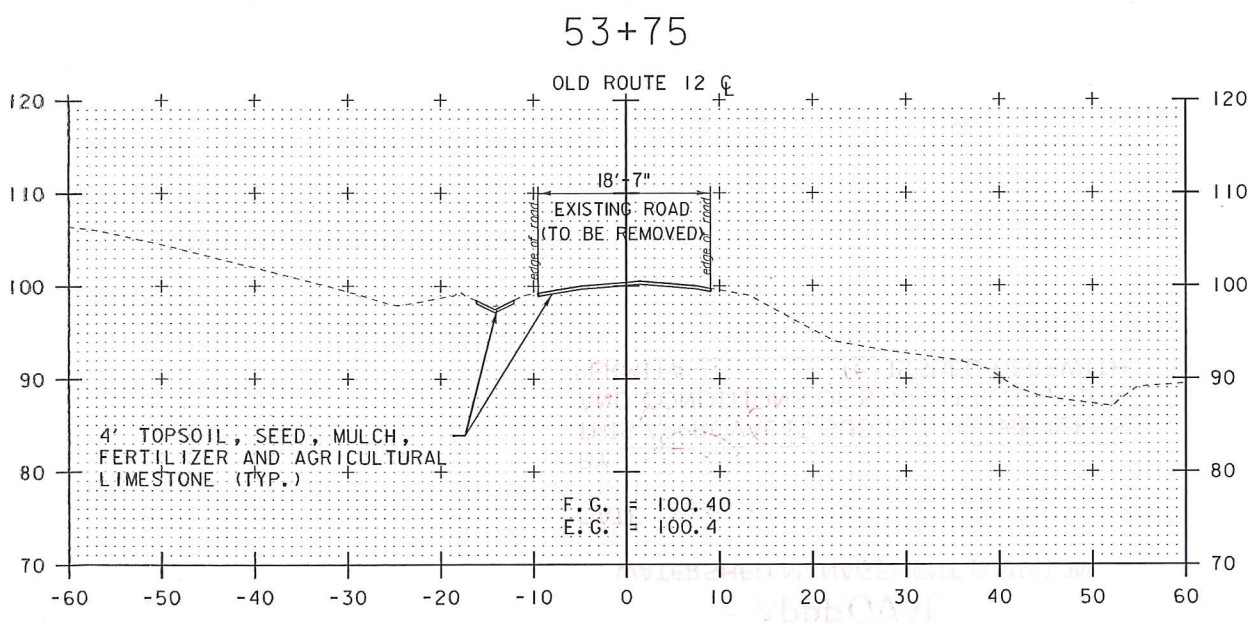
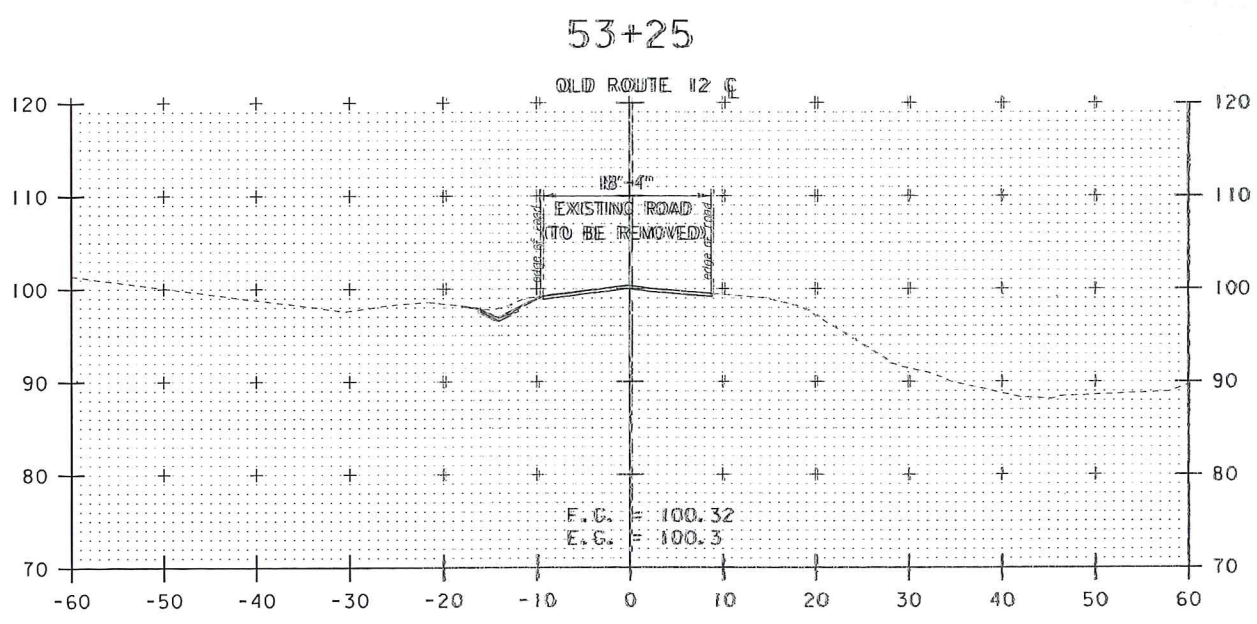
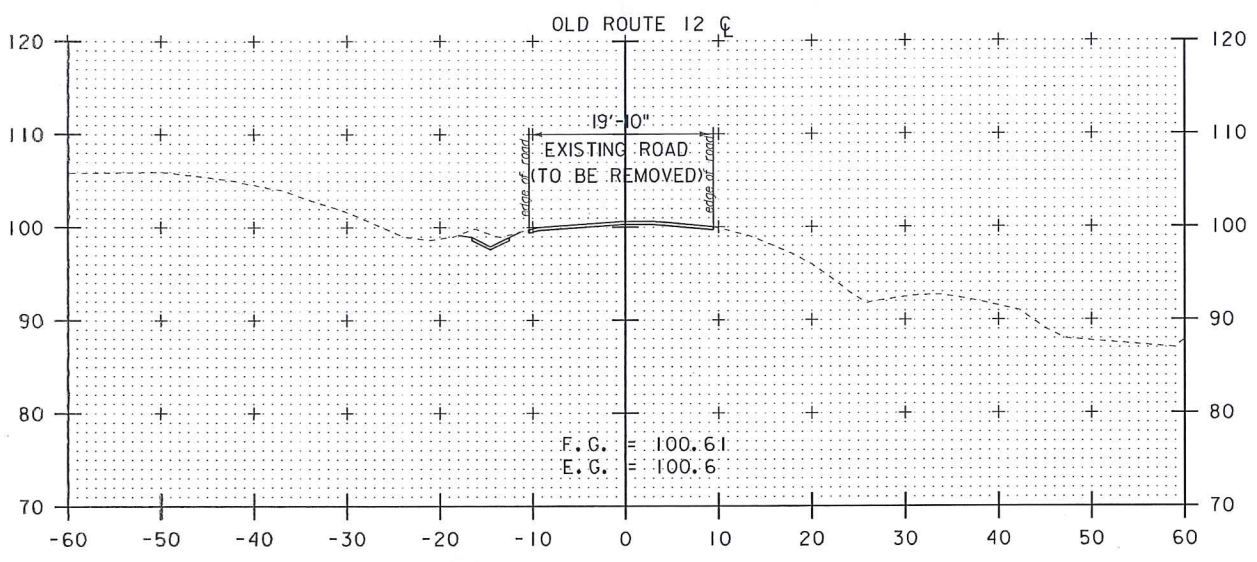
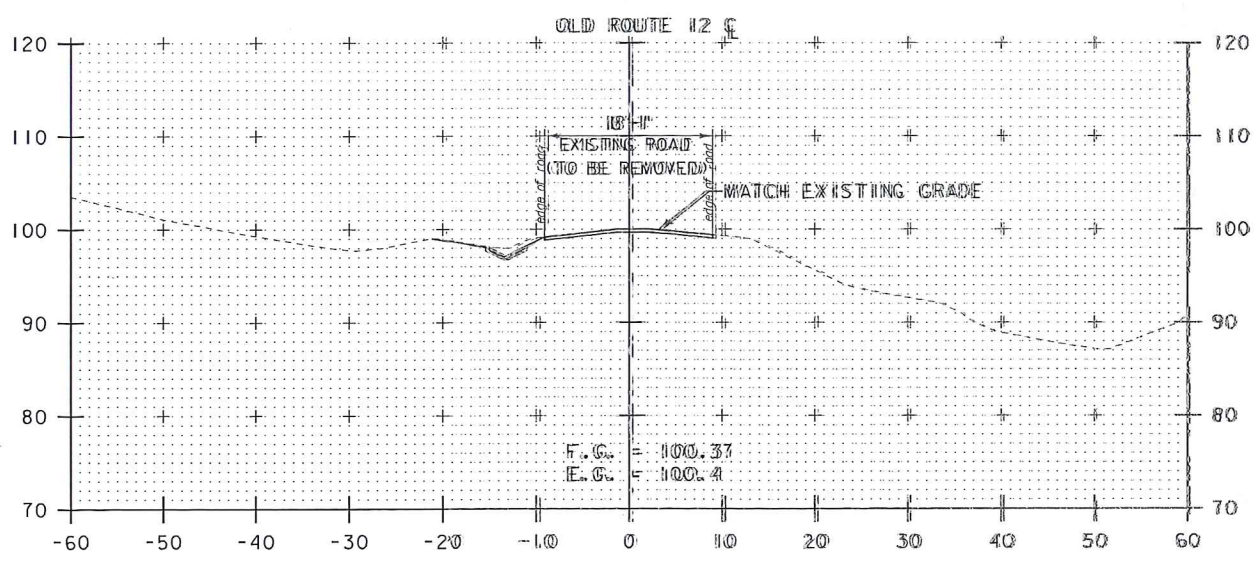
SHEET TITLE
CROSS SECTIONS
SITE 2
SHEET 2

DRAWN BY RSD	DATE SEP. 2015
CHECKED BY EPD	D&K PROJECT # 622906
PROJ. ENG. EPD	D&K ARCHIVE # 622906

SHEET NUMBER
21

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TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

SHEET TITLE
CROSS SECTIONS
SITE 2
SHEET 3

DRAWN BY	DATE
RSD	SEP. 2015
CHECKED BY	DBK PROJECT #
EPD	622906
PROJ. ENG.	DBK ARCHIVE #
EPD	622906

SHEET NUMBER
22
SHEET 22 OF 24

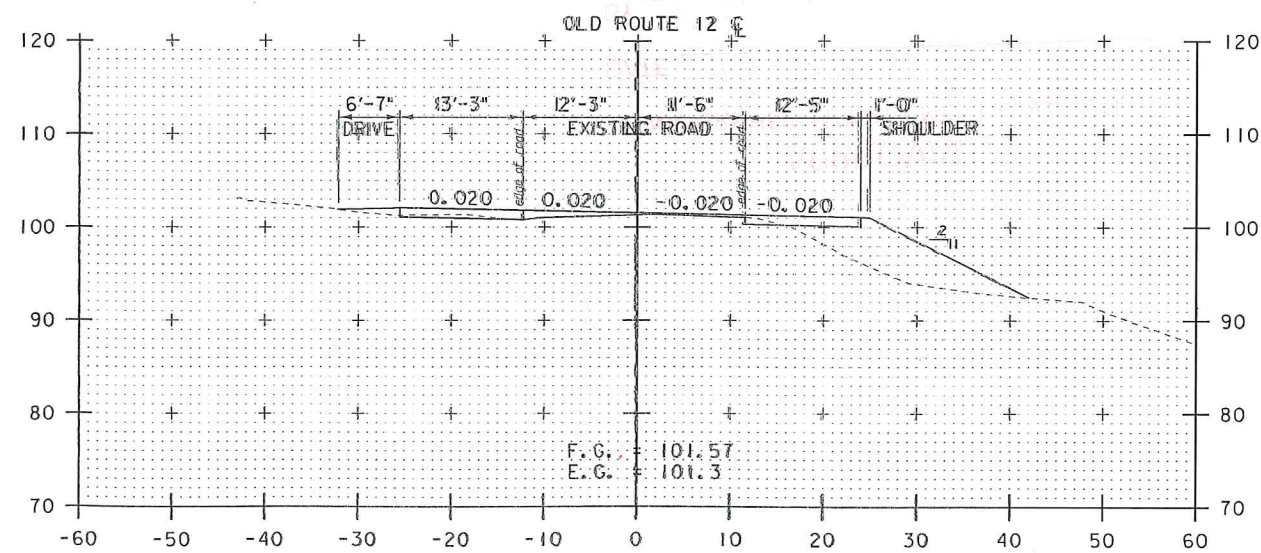
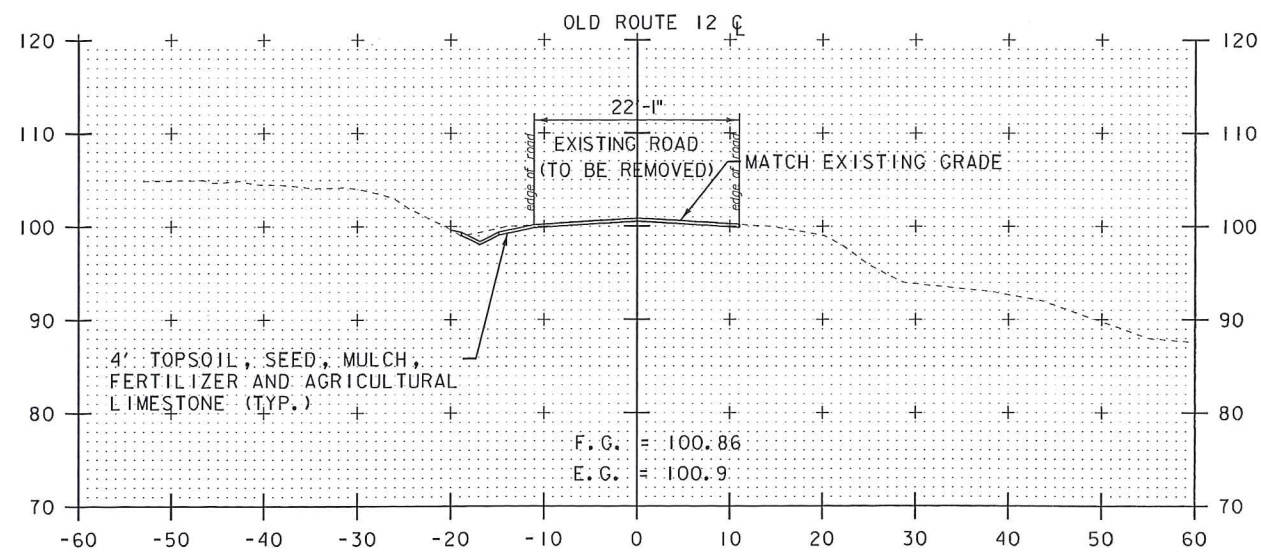
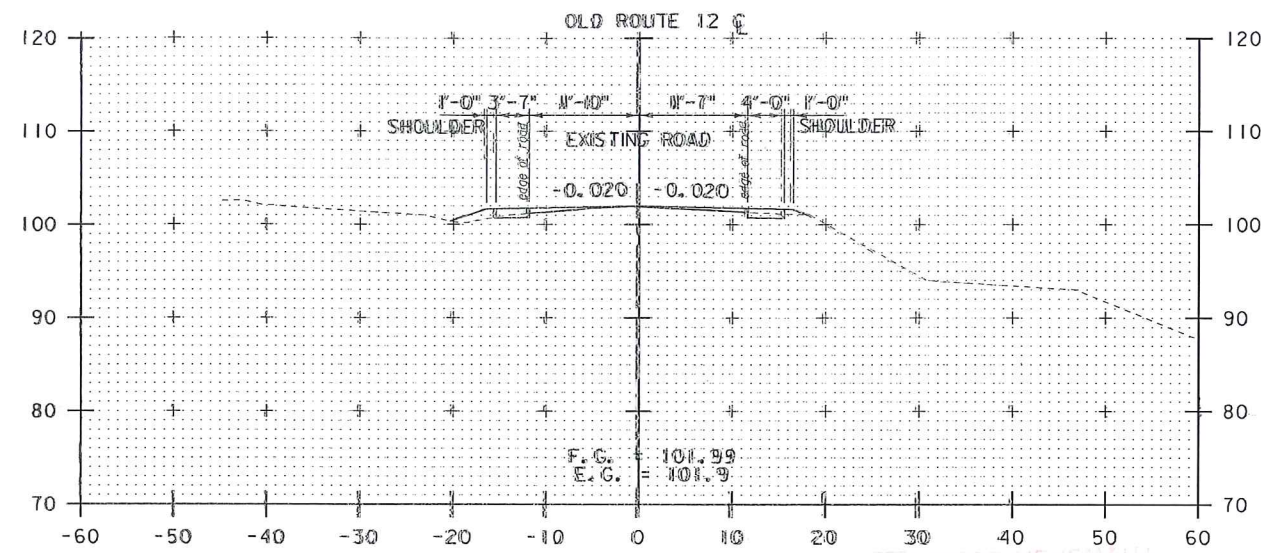
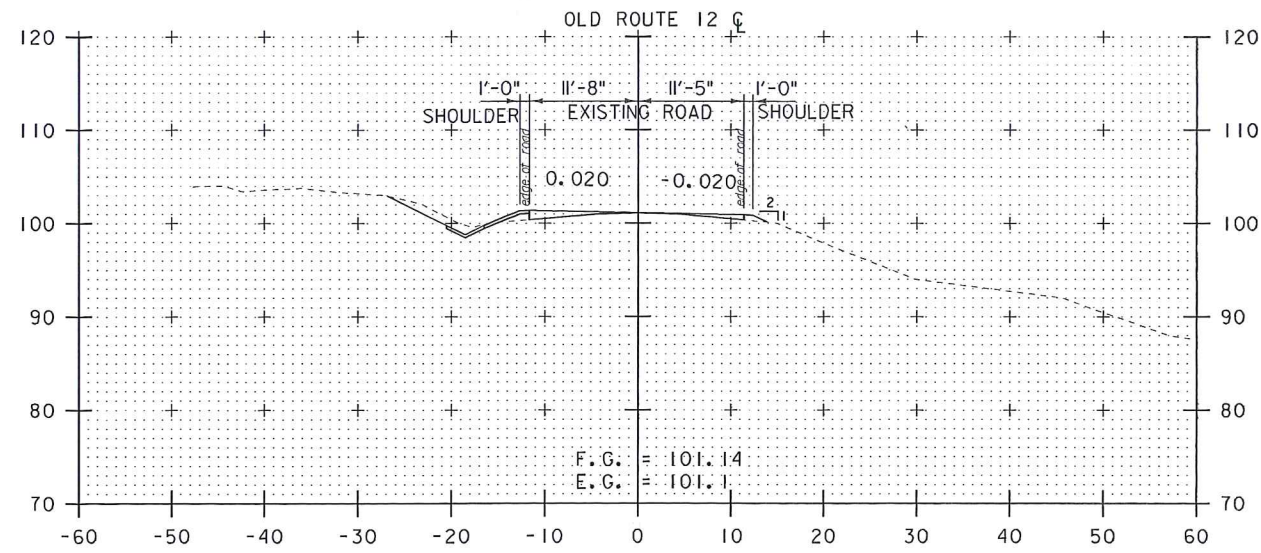
STA. 53+00 TO STA. 53+75

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WATERSHED MANAGEMENT DIVISION

DATE 03/15/2016

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TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

SHEET TITLE
CROSS SECTIONS
SITE 2
SHEET 4

DRAWN BY RSD	DATE SEP. 2015
CHECKED BY EPD	D&K PROJECT # 622906
PROJ. ENG. EPD	D&K ARCHIVE # 622906

SHEET NUMBER
23

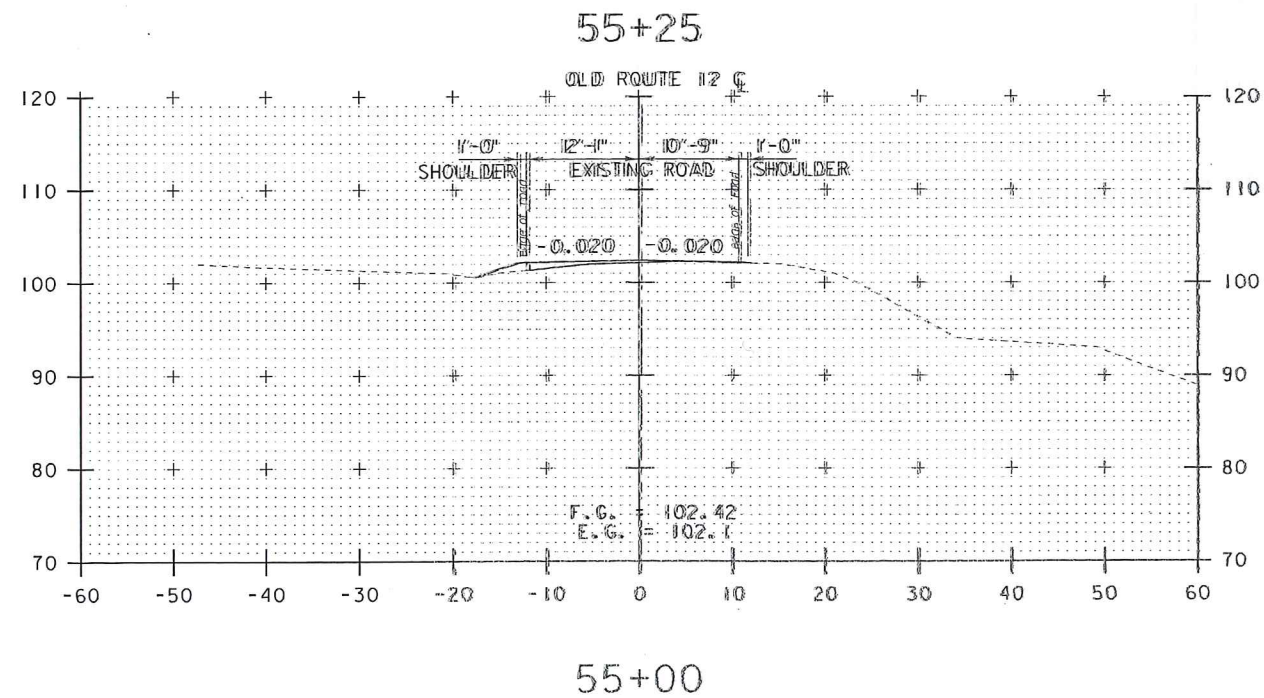
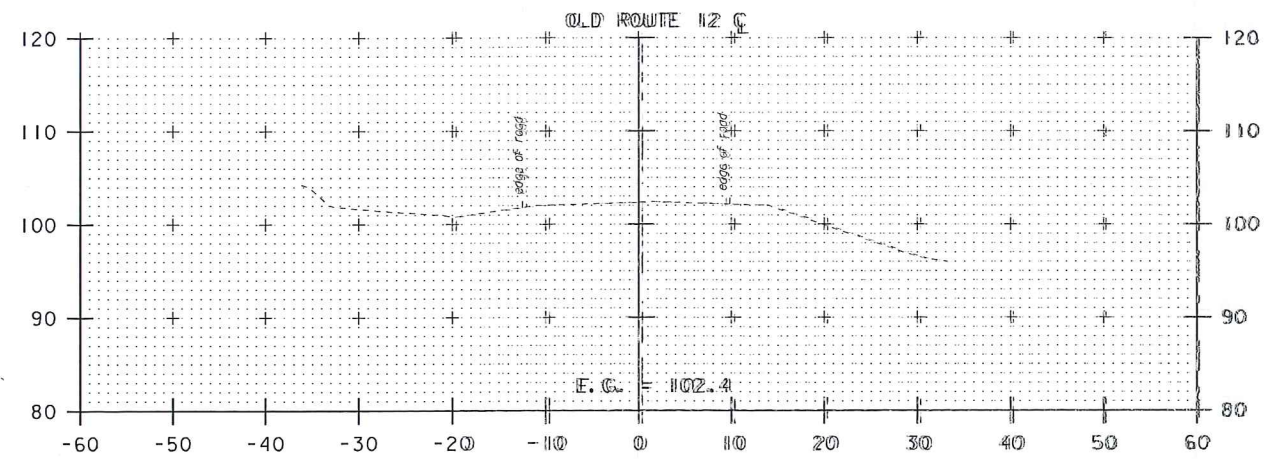
STA. 54+00 TO STA. 54+75

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DATE...
MPLKZHEL...
VUBBOAV?

TOWN OF BETHEL,
VERMONT

OLD ROUTE 12
IMPROVEMENTS

SHEET TITLE
CROSS SECTIONS
SITE 2
SHEET 5

DRAWN BY	DATE
RSD	SEP. 2015
CHECKED BY	DKK PROJECT #
EPD	622906
PROJ. ENG.	DKK ARCHIVE #
EPD	622906

SHEET NUMBER
24
SHEET 24 OF 24

STA. 55+00 TO STA. 55+26