

From: Gingras, Glenn
Sent: Thursday, November 12, 2015 11:56 AM
To: ANR - WSMD Wetlands
Cc: Wells, Kyle
Subject: Pittsford HPP ABRB (9)-Extension Request CUD # 2010-097
Attachments: PittsfordHPPABRB(9)WetlandsPackage.pdf; RE: Pittsford Vermont Railway Bridge 219 project EXTENSION of Completion date

VTrans would like to extend the construction date 3 years on this project. It was originally set to expire 1/28/2016. It is scheduled to go to construction soon. It was amended on 2/6/2015 as the project limits changed and impacts were significantly reduced. Total impacts are: 893 square feet of Class II wetland and 3,512 square feet of buffer zone impact. Application fee: \$240 893 x 0.75=\$669.75 and 3512 x 0.75= \$2,634 total to come from VTrans on this project is \$3,543.75.

Glenn Gingras, VTrans Senior Biologist
VTrans-Highway Division
Project Delivery Bureau, Environmental Services
1 National Life Drive
Montpelier, VT 05633
Cell only: (802) 279-0583
glenn.gingras@vermont.gov (note email change)

Brady, James

From: Gingras, Glenn
Sent: Wednesday, May 27, 2015 9:18 AM
To: Brady, James
Subject: FW: Pittsford Vermont Railway Bridge 219 project Amendment
Attachments: pittsford_vtwetlands.pdf; pittsford_anr_201411170828.pdf; pittsford_cud.pdf

FYI-the amendment was by email.

From: Foley, Julie
Sent: Friday, February 06, 2015 4:01 PM
To: Gingras, Glenn
Subject: Pittsford Vermont Railway Bridge 219 project Amendment

Glenn Gingras - Vtrans,

This email approves the attached proposal to significantly reduce project impacts to Class II wetlands and buffer zone from a previously authorized, but not yet constructed project (CUD#2010-097). The current plan involves 893 square feet of Class II wetland and 3,512 square feet of buffer zone impact, reduced from approximately 1.7 acres of wetland impact. The wetland impacts are identified on the attached "ANR Wetlands Impact Plan" prepared by Jacobs and dated 1/23/15. The wetlands in question are associated with Otter Creek and are located south of Kendall Hill Road in Pittsford.

Thank you for contacting us about this change. I will add this letter and information to the permit file as an administrative amendment.

Regards,
 Julie



Julie Foley, District Wetlands Ecologist

1 National Life Drive, Main 2
 Montpelier, VT 05620-3522

802-490-6175 / Julie.Foley@state.vt.us

Check out our new and improved webpage! <http://www.vtwaterquality.org/wetlands.htm>

From: Gingras, Glenn
Sent: Tuesday, January 27, 2015 11:12 AM
To: Foley, Julie
Subject: RE: Pittsford Amendment--Updated Information

Julie:
 Attached are the revised plans. Total impacts are 4405 sf. Temporary sheeting is being used to limit the impacts to wetlands and buffer. Could you give me a timeframe on the amendment? If you need anything else feel free to contact me.
 Thanks.
 Glenn

Glenn Gingras, Environmental Biologist
VTrans-Highway Division
Project Delivery Bureau, Environmental Services
1 National Life Drive
Montpelier, VT 05633
(802) 828-3979
glenn.gingras@state.vt.us

From: Foley, Julie
Sent: Tuesday, January 20, 2015 12:54 PM
To: Gingras, Glenn
Subject: RE: Pittsford Amendment--Updated Information

Ok. It should still qualify as an administrative amendment.
Julie



Julie Foley, District Wetlands Ecologist
1 National Life Drive, Main 2
Montpelier, VT 05620-3522
802-490-6175 / Julie.Foley@state.vt.us
[Check out our new and improved webpage! http://www.vtwaterquality.org/wetlands.htm](http://www.vtwaterquality.org/wetlands.htm)

From: Gingras, Glenn
Sent: Tuesday, January 20, 2015 12:43 PM
To: Foley, Julie
Subject: Pittsford Amendment--Updated Information

Hi Julie:
Based on comments from the COE regarding elevation of temporary causeway there will need to be a slight alteration to the access road to get the crane down to the site. The alterations to the plan will likely increase wetland/buffer impacts < 500sf. I will be receiving the updated plans this week and I can forward to you.
Thanks.
Glenn

Glenn Gingras, Environmental Biologist
VTrans-Highway Division
Project Delivery Bureau, Environmental Services
1 National Life Drive
Montpelier, VT 05633
(802) 828-3979
glenn.gingras@state.vt.us

State of Vermont
Environmental Section
One National Life Drive
Montpelier, VT 05633-5001
www.aot.state.vt.us

[phone] 802-828-3979
[fax] 802-828-2334
[ttd] 800-253-0191

Agency of Transportation

11/17/14

Julie Foley, District Wetlands Ecologist
Vermont Department of Environmental Conservation
100 Mineral St, Suite 303
Springfield, Vermont 05156

Subject: Pittsford HPP ABRB (9) - CUD Amendment/Time Extension

Dear Julie:

As discussed on the phone the other day, I am formally requesting an amendment and time extension to existing CUD # 2010-097 on behalf of the VT Agency of Transportation. We are requesting the amendment as a result in project scope changes which ultimately significantly reduced impacts to wetlands and buffers.

The original project involved replacing the existing superstructure, abutments and piers on an upstream revised alignment. The original project resulted in impacting roughly 1.7 acres wetlands and buffers, which was going to require building an offsite mitigation site to compensate for unavoidable impacts. The projects scope has been revised to rehabilitate the existing superstructure, existing abutments and existing pier. The revised project scope has decreased impacts significantly to roughly 3500sf of total wetland/buffer impacts and currently no mitigation is proposed.

To aid in the amendment process I have included a summary from Jacobs detailing the changes from the original project, revised color coded project impact plans, abutting landowner contact information for the distribution process and a project location map.

Once you have a chance to review the attached exhibits just let me know if you need additional information or have any questions. We are looking to have the amendments to the permits by the end of the year to keep the project schedule on track.

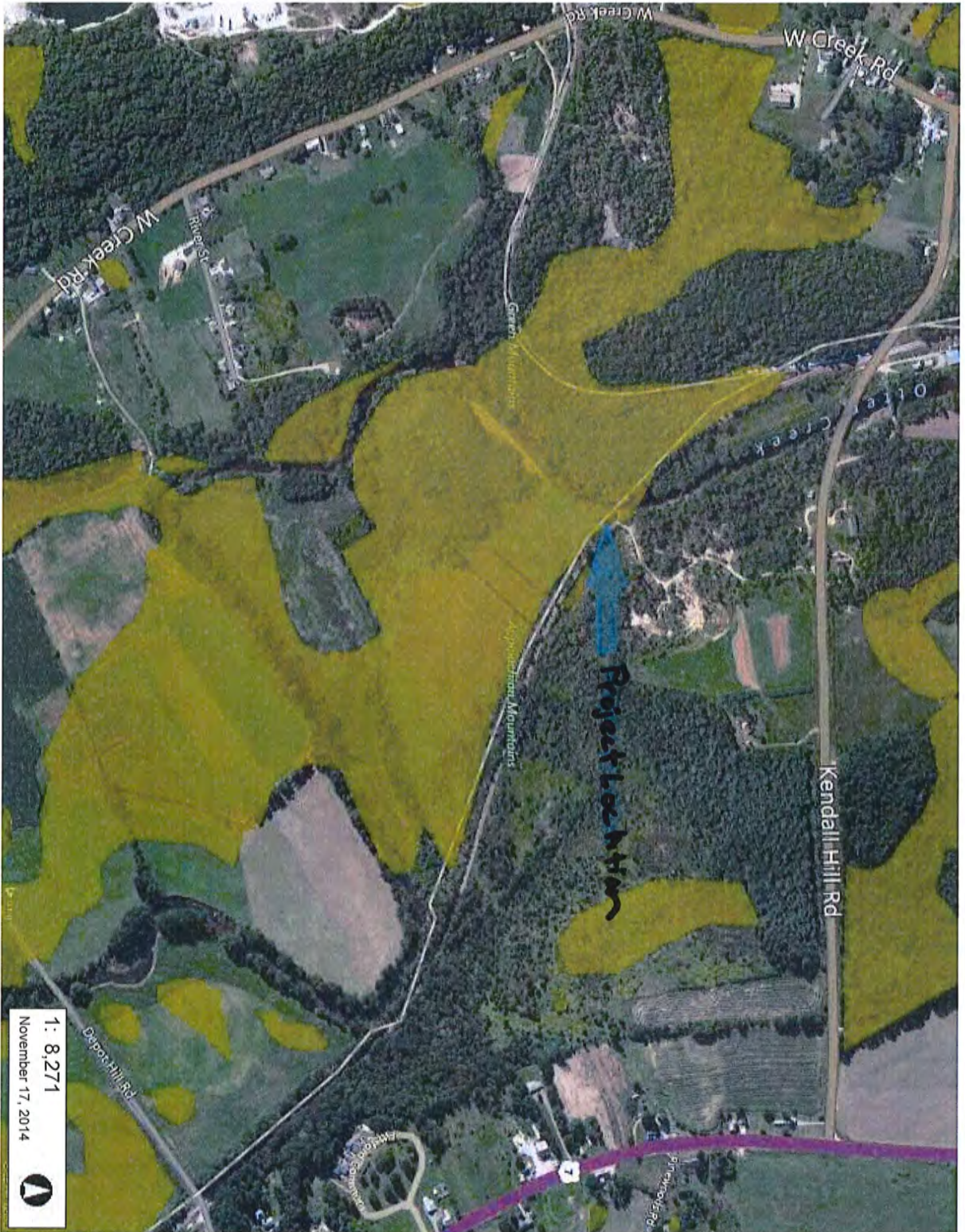
Sincerely,



Glenn Gingras
VTrans Environmental Biologist

Attachments

Cc:
James Brady, VTrans Environmental Specialist
James Harris, VTrans Consulting Project Manager



LEGEND

- Wetlands - VSWI
- Class 1 Wetland
- Class 2 Wetland
- Town Boundary

NOTES

Map created using ANR's Natural Resources Atlas

420.0 0 210.00 420.0 Meters
 1" = 689 Ft. 1cm = 83 Meters
 WGS_1984_Web_Mercator_Auxiliary_Sphere
 © Vermont Agency of Natural Resources
 THIS MAP IS NOT TO BE USED FOR NAVIGATION

1: 8,271
 November 17, 2014

DISCLAIMER: This map is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. ANR and the State of Vermont make no representations of any kind, including but not limited to, the warranties of merchantability, or fitness for a particular use, nor are any such warranties to be implied with respect to the data on this map.

November 14, 2014

Mr. Joshua Schultz, P.E.
Rail Section Project Manager
Policy, Planning and Intermodal Division
Vermont Agency of Transportation
One National Life Drive, Drawer 33
Montpelier, VT 05633

Subject: Summary description of the proposed project modifications
Pittsford HPP ABRB (9) VTR Bridge 219

Dear Mr. Schultz:

As part of the ACOE permitting process, the existing permit will need to be amended to include the current design plans with revised impacts, as well as a brief narrative describing the change in the project.

On November 11, 2014, Jacobs submitted the pre-contract plans showing the environmental impacts for the project. Each impact is depicted in the plan set and labeled with the corresponding impact area. The PIDF form was submitted with the plan set.

Change in project scope

The Vermont Agency of Transportation developed a scoping report that outlined several alternatives for the rehabilitation or replacement of VTR Bridge 219 in Pittsford, VT. Based upon the budgetary estimates provided in the scoping report, as well as several other factors as stated in the report, it was determined that the most feasible option was to replace the existing bridge in its entirety. Through the development of the replacement project, the project costs more than doubled versus the stated costs in the scoping report. As a result, the project as designed for replacement represented a project cost that was unable to be funded. The Agency contracted with Jacobs to complete an in-depth inspection and assessment of the existing bridge to determine the feasibility of the rehabilitation project. As a result of the inspection and analysis of the existing structure, Jacobs found that the rehabilitation of the existing bridge was feasible and project costs as outlined in the original scoping report were reasonable after adjusting for inflation. Based upon the new and refined analysis of the existing bridge, the Agency moved forward with a maintenance/rehabilitation project that better aligned with the short term and long term goals of the entire rail line.

Rehabilitation design alternative will include the following:

- Environmental/ROW/Utility impacts will be significantly reduced or non-existent.
- Archeological & Historic impacts will not occur.
- Rehabilitation of the superstructure elements and connections will be modified or strengthened on both spans to accommodate both the 286 Kip and 315 Kip cars at 20 mph. In addition, several structural elements on the floor systems (stringer and floor beams) will be rehabilitated to repair or mitigate further deterioration of the steel.

- To accommodate double stack clearance, modifications to the portal end frame bracing will be completed.
- The existing stone pier will be replaced with a new concrete pier cap supported by two drilled shafts. The proposed pier will be located within similar limits as the existing pier. The design of the pier replacement utilizes current E80 loading and is considered “fixed” to carry all longitudinal loading. This replacement design will be suitable for a future superstructure replacement considering raising the bridge by 3-feet.
- Both abutments are in good condition and will be retrofitted with new expansion bearings to reduce loading on the existing abutments to increase longevity.
- There will be no modifications to track alignment or profile adjacent to or across the bridge.
- Access to the pier for cranes and dilled shaft equipment will utilize stone fill placed within the northerly span of the structure. Temporary steel sheet piling will be utilized to contain the stone fill and minimize the impacts. The stone fill and sheeting will be removed immediately upon completion of the pier replacement.

If I can provide additional information or you would like to discuss, please feel free to contact me.

Sincerely,

John J. Wilson, P.E.
Project Manager

24. Is Any Portion of the Work Already Complete? Yes No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address- Frank Buzzell et al.. of 593 Kendall Hill Rd

City - Brandon State - VT Zip - 05733

b. Address- Carmella Carter et al 41 Prospect St.

City - Rutland State - VT Zip - 05701

c. Address- Town of Pittsford; Michael Balch, Municipal Manager; PO Box 10

City - Pittsford State - VT Zip - 05733

d. Address-

City - State - Zip -

e. Address-

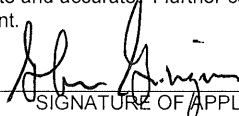
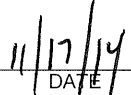
City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
ANR	CUD	20010-097	2014-11-13	<i>Amendment Request</i>	

* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

 SIGNATURE OF APPLICANT DATE SIGNATURE OF AGENT DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

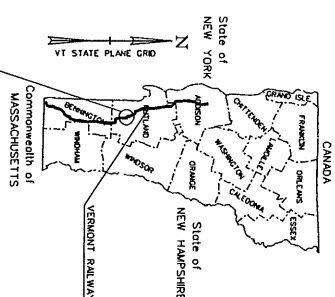
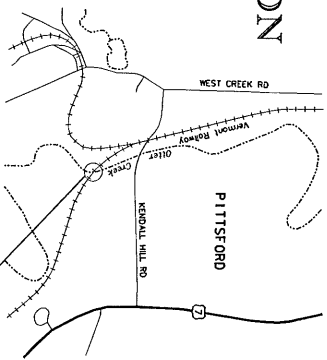
18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
RAIL PROJECT
TOWN OF PITTSFORD
COUNTY OF RUTLAND
VERMONT RAILWAY (VTR) BRIDGE NO. 219

PROJECT LOCATION : VTR BRIDGE NO. 219 OVER OTTER CREEK AT MILE POST 64.85
 PROJECT DESCRIPTION : REHABILITATION OF EXISTING TRUSS AND THRU GIRDER SPANS,
 REHABILITATION OF THE EXISTING ABUTMENTS, REPLACEMENT OF THE PIER,
 REPLACEMENT OF BEARINGS, AND ASSOCIATED TEMPORARY TRACK AND CHANNEL WORK.
 LENGTH OF STRUCTURE : 220 FEET
 LENGTH OF TRACK : 0 FEET
 LENGTH OF PROJECT : 350 FEET

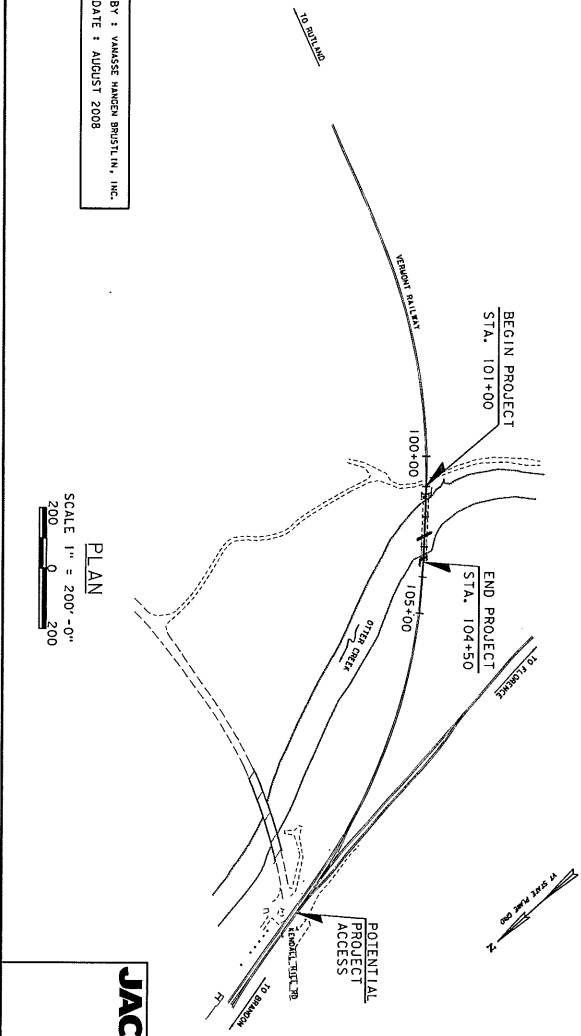


QUALITY ASSURANCE PROGRAM : LEVEL 2	SURVEYED BY : EIV TECH, SERVICES, LLC
SURVEYED BY : EIV TECH, SERVICES, LLC	SURVEYED DATE : DEC 10 JAN 2005
DATUM	SURVEYED DATE : AUGUST 2008
VERTICAL NAVD88	
HORIZONTAL NAD83 (99)	

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND MAINTENANCE, THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 REVISIONS AND SUCH REVISION SPECIFICATIONS AND PLANS. PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

JACOBS	DEPARTMENT OF TRANSPORTATION
	FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____	DATE _____
DIRECTOR OF PP&ID	
APPROVED _____	DATE _____
PROJECT MANAGER : JOSHUA SCHULTZ P. E.	
PROJECT NAME : PITTSFORD	
PROJECT NUMBER : HPP ABRB (9)	
SHEET 1 OF 92 SHEETS	

JOHN J. WILSON, P.E.



SCALE 1" = 200'-0"	PLAN
200	
0	
200	

GENERAL INFORMATION

SYMBOLS LEGEND NOTE
 THE SYMBOLS ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLS. THE SYMBOLS IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT. IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS, THIS LEGEND SHEET COVERS THE BASICS. SYMBOLS ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT CODE	DESCRIPTION
#	BOUND APPARENT LOCATION
APL	BOUND MARK
BL	BOUND BARR
BND	BOUND
CB	CATCH BASIN
COMB	COMBINATION POLE
DTHR	DROP INLET THROATED DMC
EL	ELECTRIC POWER POLE
FPOLE	POLE
GASFL	GAS FILLER
GP	GUIDE POST
GSO	GAS SHUT OFF
GUW	GUW
GUWV	GUW VIRE
GV	GATE VALVE
H	TREE HARDWOOD
HCTRL	CONTROL HORIZONTAL
HVCTRL	CONTROL HORIZ. & VERTICAL
HYD	HYDRANT
IP	IRON PIN
IPPE	IRON PIPE
L	LIGHT - STREET OR YARD
LI	MAILBOX
MB	MANHOLE (MH)
MH	MANHOLE
MW	WILE MARKER
PAI	PARKING WETER
PKK	PROJECT MARKER
POST	POST
RNSG	RAILROAD SIGNAL
RNSL	RAILROAD SWITCH LEVER
S	TREE SOFTWOOD
SAT	SATELLITE DISH
SHRUB	SHRUB
SIGN	SIGN
STUMP	STUMP
TEL	TELEPHONE POLE
TE	TE
TSIGN	SIGN W/DOUBLE POST
VCRL	CONTROL VERTICAL
WELL	WELL
WSO	WATER SHUT OFF

THESE ARE COMMON VADOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT. IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (DDGFT)
R	CURVE RADIUS
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLS

UNDERGROUND UTILITIES

UT	TELEPHONE
UE	ELECTRIC
UC	CABLE (TV)
UEC	ELECTRIC-CABLE
UECT	ELECTRIC-TELEPHONE
UECT	CABLE-TELEPHONE
UECT	ELECTRIC-CABLE+TELEP.
W	WATER LINE
S	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

T	TELEPHONE
E	ELECTRIC
C	CABLE (TV)
EC	ELECTRIC-CABLE
ET	ELECTRIC-TELEPHONE
ECT	ELECTRIC-TELEPHONE
ECT	CABLE-TELEPHONE
ECT	ELECTRIC-CABLE+TELEP.
UT	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLS

PROJECT DESIGN & LAYOUT SYMBOLS

CLZ	CLEAR ZONE
PLN	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

TOP OF CUT SLOPE
TOE OF FILL SLOPE
STONE FILL
BOTTOM OF DITCH & CULVERT PROPOSED
STRUCTURE SUBSURFACE
BARBER FENCE
PROJECT DEMARCATION FENCE
BF
TREE PROTECTION ZONE (TPZ)
STRIPING LINE REMOVAL
SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLS

TOWN BOUNDARY LINE
COUNTY BOUNDARY LINE
STATE BOUNDARY LINE
PROPOSED STATE R.O.W. (LIMITED ACCESS)
PROPOSED STATE R.D.W.
STATE ROW (LIMITED ACCESS)
STATE ROW
TOWN ROW
PERMANENT EASEMENT LINE (P)
TEMPORARY EASEMENT LINE (T)
SURVEY LINE
PROPERTY LINE (P/L)
SLOPE RIGHTS
6F PROPERTY BOUNDARY
4F PROPERTY BOUNDARY
HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLS

EPSC MEASURES

FILTER CURTAIN
SILT FENCE
SILT FENCE WOVEN WIRE
CHECK DAM
DISTURBED AREAS
REQUIRING RE-VEGETATION
EROSION MATING

ENVIRONMENTAL RESOURCES

WETLAND BOUNDARY
PREPARED BUFFER ZONE
WETLAND BUFFER ZONE
SOIL TYPE BOUNDARY
THREATENED & ENDANGERED SPECIES
HAZARDOUS WASTE AREA
AGRICULTURAL LAND
FISH & WILDLIFE HABITAT
FLOOD PLAIN
ORDINARY HIGH WATER (OHW)
STORM WATER
USDA FOREST SERVICE LANDS
WILDLIFE HABITAT SUIT/CONN

ARCHAEOLOGICAL & HISTORIC

ARCHAEOLOGICAL BOUNDARY
HISTORIC DISTRICT BOUNDARY
HISTORIC AREA
HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLS

EXISTING FEATURES

ROAD EDGE PAVEMENT
ROAD EDGE GRAVEL
DRIVEWAY EDGE
DITCH
FOUNDATION
FENCE EXISTING
FENCE WOOD POST
FENCE STEEL POST
GARDEN
ROAD GUARDRAIL
RAILROAD TRACKS
CULVERT (EXISTING)
STONE WALL
WALL
WOOD LINE
BRUSH LINE
HEGGE
BODY OF WATER EDGE
LEDGE EXPOSED

R. O. W. ABBREVIATIONS (CODES) & SYMBOLS

POINT CODE	DESCRIPTION
CH	CHANNEL EASEMENT
CONST	CONSTRUCTION EASEMENT
CUL	CULVERT EASEMENT
D&C	DISCONNECT & CONNECT
DIT	DITCH EASEMENT
DR	DRAINAGE EASEMENT
DRIVE	DRIVEWAY EASEMENT
EC	EROSION CONTROL
HIGHW	HIGHWAY EASEMENT
INSTAL	INSTALL & MAINTAIN EASEMENT
LAND	LANDSCAPE EASEMENT
REAR	REMOVE & RESET
REARP	REMOVE & REPLACE
SR	SLOPE RIGHT
UE	UTILITY EASEMENT
PERM	PERMANENT EASEMENT
TEMP	TEMPORARY EASEMENT
BOUND SET	BOUND SET
BOUND TO BE SET	BOUND TO BE SET
IRON PIN TO BE SET	IRON PIN TO BE SET
EXISTING ROW POINT	EXISTING ROW POINT
PROPOSED ROW POINT	PROPOSED ROW POINT
LENGTH	LENGTH CARRIED ON NEXT SHEET



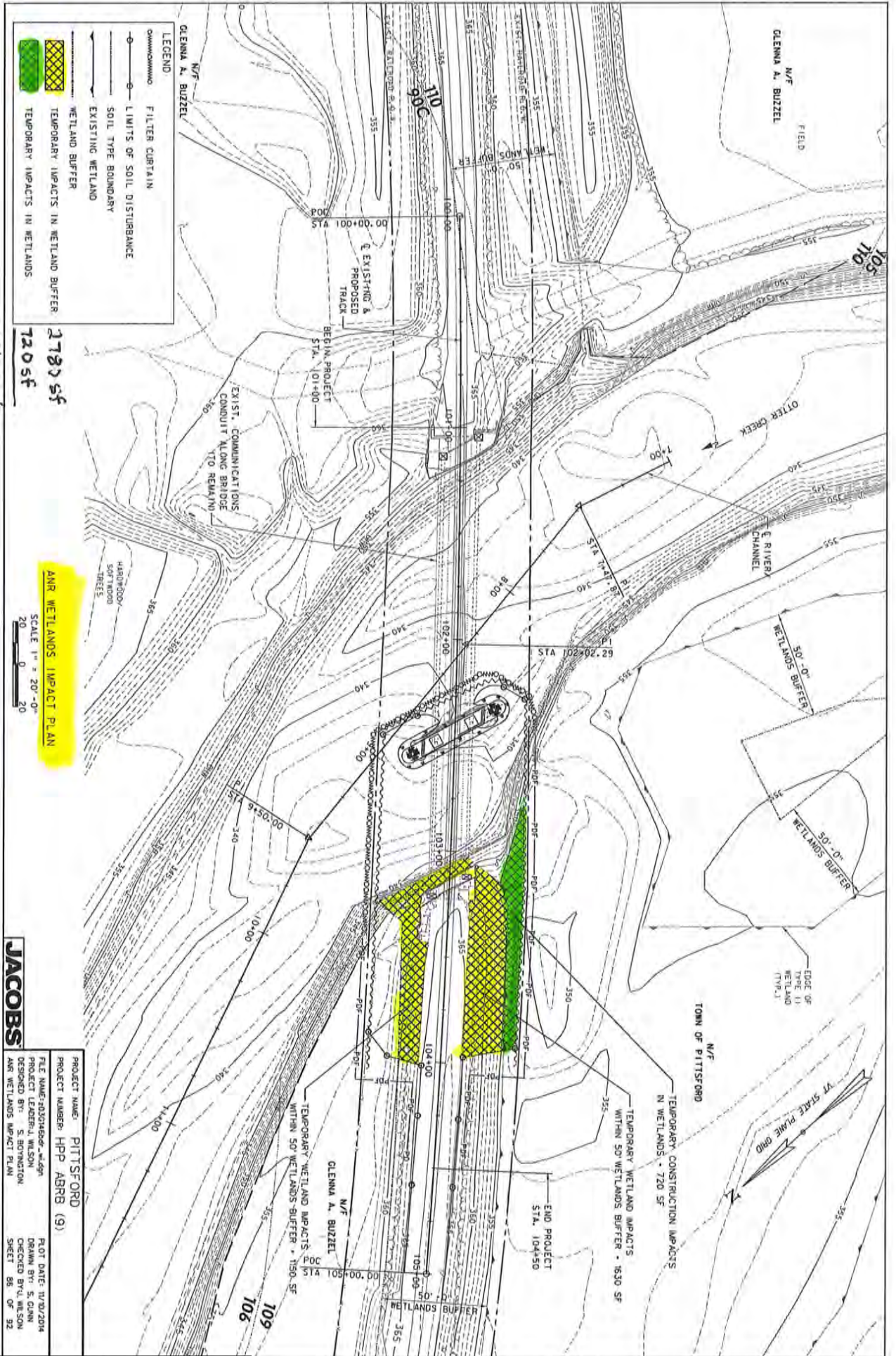
PROJECT NAME: PITSFORD
 PROJECT NUMBER: HPP ABRB (9)
 FILE NAME: 20130406-hpp
 PROJECT LEADER: J. WILSON
 DESIGNED BY: S. BOWEN
 CHECKED BY: J. WILSON
 SHEET 6 OF 92

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTORS		DETAILED SUMMARY OF QUANTITIES		
SECTION	QUANTITY	UNIT	DESCRIPTION	REMARKS	REVISION	DATE	BY	BY	BY	BY	BY	BY	BY	BY	BY	BY
	1	LS	CLEARING AND GRUBBING INCLUDING INDIVIDUAL TREES AND STUMPS													
	1	LS	CORRECTION WATER DIVERSION													
	5	CV	CONCRETE HIGH PERFORMANCE CLASS A													
	88	CV	CONCRETE HIGH PERFORMANCE CLASS SCC													
	1	LS	SHORING SUPERSTRUCTURE													
	4	EA	SHORING SUPERSTRUCTURE BEAMS													
	12280	LB	STRUCTURAL STEEL													
	23750	LB	REINFORCING STEEL LEVEL 1													
	16	DL	WATER REPLENT SLUVE													
	1	EA	PARTIAL REMOVAL OF STRUCTURE													
	12	CV	REBUILT STONE MASONRY													
	72	CV	STONE FILL TYPE #													
	200	HR	FLAGGERS													
	1	LS	FIELD OFFICE ENGINEERS													
	1	LS	TESTING EQUIPMENT CONCRETE													
	3000	DL	FIELD OFFICE TELEPHONE (N.A.B.U)													
	1	LS	MOBILIZATION/DEMOBILIZATION													
	72	SY	GEOTEXTILE UNDER STONE FILL													
	100	SY	GEOTEXTILE FOR ST. FENCE, WOVEN WIRE REINFORCED													
	1	LS	EPSC PLAN													
	30	HR	MONITORING EPSC PLAN													
	1	LU	MAINTENANCE OF EPSC PLAN (N.A.B.U)													
	2	EA	FILTER BAG													
	100	LF	EROSION LOG													
	2	EA	REMOVING SIGNS													
	2	EA	ERECTING SALVAGED SIGNS													
	2	EA	SPECIAL PROVISION BEARING ASSEMBLY, ALIGNMENT 1 (EXPANSION)													
	2	EA	SPECIAL PROVISION BEARING ASSEMBLY, ALIGNMENT 2 (EXPANSION)													
	4	EA	SPECIAL PROVISION (BEARING ASSEMBLY, FIBER)													
	150	EA	SPECIAL PROVISION (NET REPLACEMENT)													
	142	LF	SPECIAL PROVISION (DRILLED SHAFT IN BATHY (8.0 FT))													
	15	LF	SPECIAL PROVISION (DRILLED SHAFT IN ROCK (5.5 FT))													
	20	LF	SPECIAL PROVISION (DRILLED SHAFT OBSTRUCTION DRILLING AND REMOVAL)													
	1	LS	SPECIAL PROVISION (CONTAMINANT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES)													
	1	LS	SPECIAL PROVISION (MOBILIZATION/DEMOBILIZATION)													
	1	LS	SPECIAL PROVISION (LOCAL CLEANING AND PAINTING STRUCTURAL COMPONENTS)													
	1	LS	SPECIAL PROVISION (TEMPORARY ACCESS ROAD AND STAGING AREAS, BROOKS)													
	1	LS	SPECIAL PROVISION (TRAFFIC CONTROL, ALL-QUADRA)													
	1	LU	SPECIAL PROVISION (MAINTENANCE OF RAILROAD TRAFFIC) (N.A.B.U)													

JACOBS

PROJECT NAME: PITTSFORD
 PROJECT NUMBER: HPP ABRB (9)
 FILE NAME: HPPABRB(9)WetlandsPackage.pdf
 PROJECT LEADER: J. WILSON
 DRAWN BY: S. GINN
 CHECKED BY: J. WILSON
 QUANTITY SHEET #1 OF 92



LEGEND

	FILTER CURTAIN
	LIMITS OF SOIL DISTURBANCE
	SOIL TYPE BOUNDARY
	EXISTING WETLAND
	WETLAND BUFFER
	TEMPORARY IMPACTS IN WETLAND BUFFER
	TEMPORARY IMPACTS IN WETLANDS

ANR WETLANDS IMPACT PLAN

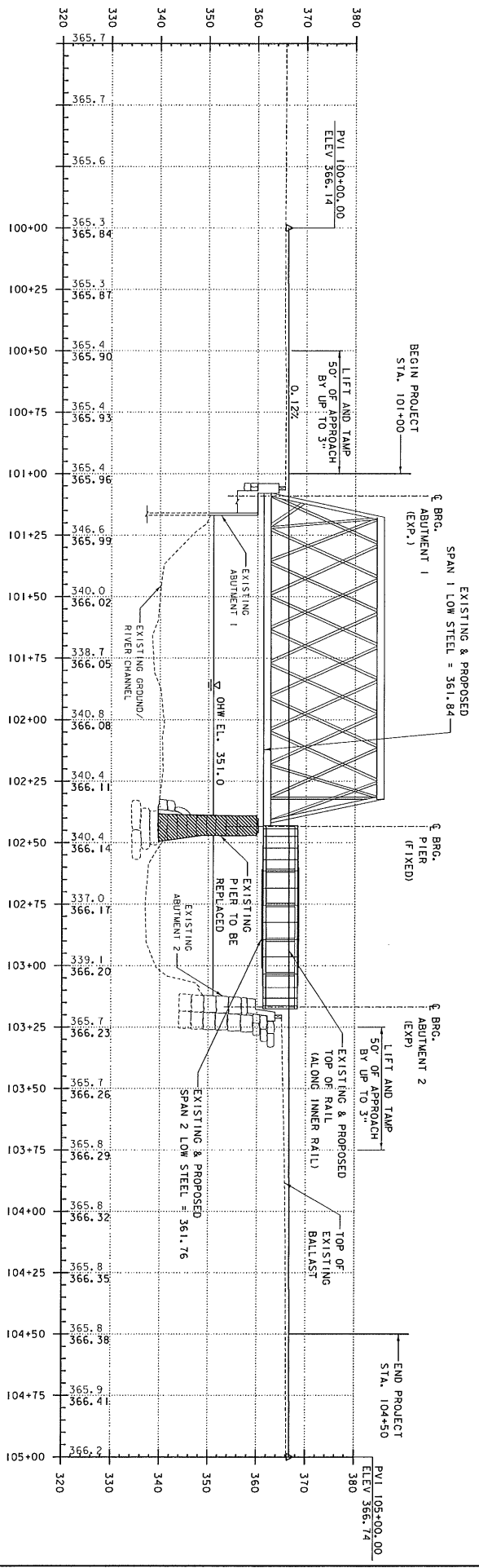
SCALE 1" = 20'-0"

20' 0' 20'

2787 SF
 720 SF
 3500 SF

JACOBS

PROJECT NAME: PITTSFORD	PROJECT NUMBER: HPP ABRB (9)
FILE NAME: rd3014abr-b-01.dgn	PLOT DATE: 11/03/2014
PROJECT LEADER: J. WILSON	DRAWN BY: S. GILMAN
DESIGNED BY: S. BROWNINGTON	CHECKED BY: J. WILSON
ANR WETLANDS IMPACT PLAN	SHEET 85 OF 92



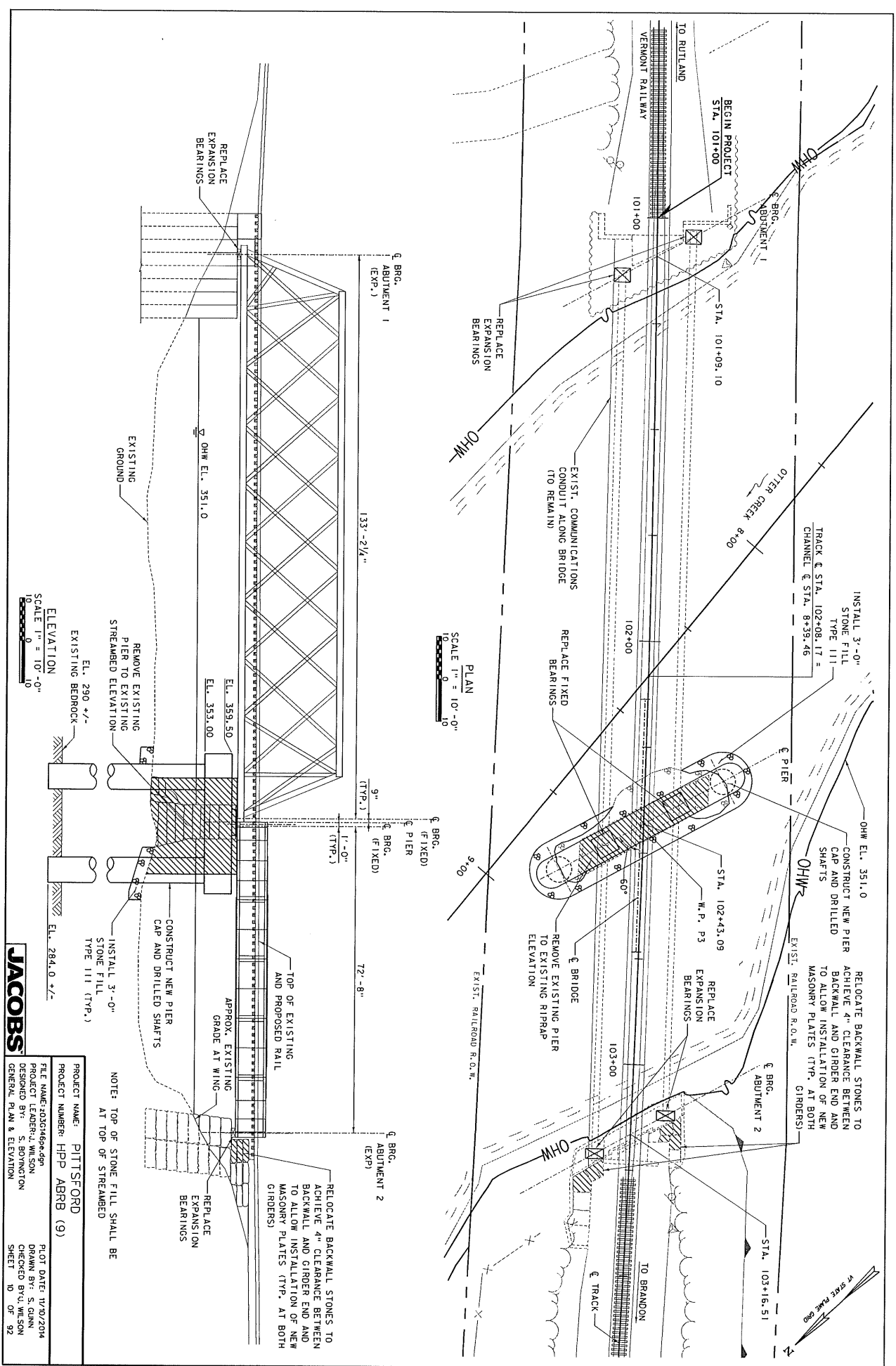
PROFILE - VTR BRIDGE 219
 HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 10'

THE GRADES SHOWN TO THE TENTH ARE THE EXISTING TOP OF BALLAST/GROUND ELEVATIONS ALONG THE EXISTING/PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE PROPOSED/EXISTING TOP OF THE LOWER INNER RAIL GRADES FOR THE ALIGNMENT.

NOTE:
 EXISTING PROFILE AND ALIGNMENT ON THE BRIDGE WILL REMAIN UNCHANGED FOR THE PROPOSED IMPROVEMENTS. 50 FEET OF EACH APPROACH SHALL BE LIFTED AND TAMPED UP TO 3" TO ELIMINATE SETTLED APPROACH (INCIDENTAL TO PROJECT).

JACOBS

PROJECT NAME:	PITTSFORD
PROJECT NUMBER:	HPP ABRB (9)
FILE NAME:	30369.dwg
PROJECT LEADER:	WILSON
DESIGNED BY:	S. BOVINGTON
PLOT DATE:	11/09/2014
DRAWN BY:	S. CHAN
CHECKED BY:	WILSON
PROFILE SHEET:	SHEET 9 OF 92



PROJECT NAME: PITTSFORD
 PROJECT NUMBER: HPP ABRB (9)
 FILE NAME: 205546a.dgn
 PROJECT DESIGN: S. WILSON
 DESIGNED BY: S. WILSON
 GENERAL PLAN & ELEVATION SHEET 10 OF 92

PROJECT NAME: PITTSFORD
 PROJECT NUMBER: HPP ABRB (9)
 FILE NAME: 205546a.dgn
 PROJECT DESIGN: S. WILSON
 DESIGNED BY: S. WILSON
 GENERAL PLAN & ELEVATION SHEET 10 OF 92

PROJECT NAME: PITTSFORD
 PROJECT NUMBER: HPP ABRB (9)
 FILE NAME: 205546a.dgn
 PROJECT DESIGN: S. WILSON
 DESIGNED BY: S. WILSON
 GENERAL PLAN & ELEVATION SHEET 10 OF 92

PROJECT NAME: PITTSFORD
 PROJECT NUMBER: HPP ABRB (9)
 FILE NAME: 205546a.dgn
 PROJECT DESIGN: S. WILSON
 DESIGNED BY: S. WILSON
 GENERAL PLAN & ELEVATION SHEET 10 OF 92



Vermont Department of Environmental Conservation
Water Quality Division
103 South Main Street, Building 10 North
Waterbury, VT 05671-0408

Agency of Natural Resources

[phone] 802-241-3770
[fax] 802-241-3287

Received

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Notice of Issuance of Conditional Use Determination # 2010-097

Program Development

Please be notified, as per Section 8.4 of the Vermont Wetland Rules, that the request for a Conditional Use Determination received from Vermont Agency of Transportation for the replacement of VT Railway Bridge 219 over Otter Creek was issued on this 28th day of January, 2011.

It was found by the Agency of Natural Resources that this conditional use will not result in any undue, adverse effects to the protected functions of the significant wetland south of Kendall Hill Road in Pittsford, Vermont.

Complete copies of the decision can be obtained by calling the Water Quality Division at 802-241-3761 or writing to the address below. Any person with an interest in this matter can appeal this decision pursuant to 10 V.S.A. Section 1269. Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal and the entry fee of \$225.00, payable to the State of Vermont.

The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must give the address or location and description of the property, project or facility with which the appeal is concerned and the name of the applicant or any permits involved in the appeal.

The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings.

For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (Tel. 802-828-1660).

Alan Quackenbush
State Wetlands Coordinator
Water Quality Division
Department of Environmental Conservation
10 North Building
103 South Main Street
Waterbury, Vermont 05671-0408

cc: Distribution list
January 28, 2011

Conditional Use Determination

Section 8 - Vermont Wetland Rules

In the matter of:

Vermont Agency of Transportation
One National Life Drive
Montpelier, VT 05633

Replacement of VT Railway Bridge 219 over Otter Creek, involving
1.7 acres of permanent wetland impact and 0.6 acres of temporary impact.

File #: 2010-097
DEC ID #: RU10-0231

The Vermont Agency of Natural Resources received application #2010-097 for a Conditional Use Determination. This application has been publicly posted through December 3, 2010 and notice sent to all parties as required by Section 8.3 of the Vermont Wetland Rules. No comments were received during the public comment period.

Findings of Fact

After careful examination of this application, the Agency finds:

1. A complete application was received from EIV Technical Services, representative for the Vermont Agency of Transportation, for Conditional Use Determination #2010-097 on August 9, 2010. The application was put on hold until November pending further discussions with EPA and the Corps of Engineers.
2. The wetlands and adjacent 50-foot buffer zones are located along Otter Creek and the railroad tracks, south of Kendall Hill Road.
3. Alan Quackenbush, Wetland Program Manager, has conducted several site visits to the subject property since 2006.
4. The subject wetlands are identified on the Vermont Significant Wetlands Inventory maps and are therefore designated as Class Two wetlands in the Vermont Wetland Rules.
5. The wetlands in question are: Wetland 1: a wet meadow and emergent marsh dominated by reed canary grass, approximately 18 acres along Otter Creek. Soils are mucky silt loam and silt loams. Wetland 2: across Otter Creek from Wetland 1, a 9-acre floodplain forest, forested swamp and marsh, dominated by silver maple, ostrich fern, and fringed sedge; with silt loam soils over a sandy substratum. Wetland 3: is a 2.5-acre open water wetland with a shrub-swamp border of speckled alder, red maple, and sensitive fern; soils are mucky silt loam. The buffer zone in the project area is the existing railroad bed and Otter Creek.
6. This proposal involves the replacement of a deficient railroad bridge across the Otter Creek in the Town of Pittsford. The existing bridge is still in use, although it is in a condition of "imminent failure". The new bridge, approximately 80 feet upstream, will be an upgrade to the existing bridge on a new alignment, and will allow use of the existing bridge during construction. The replacement bridge and railroad realignment will impact 0.39 acres of Wetland 1 and 1.31 acres of Wetland 2;

no impacts are proposed to Wetland 3. All impacts will be in an area directly adjacent to the existing railroad and bridge.

7. The applicant has submitted a complete application including the following:
 - Project Area Wetlands and Impacts
 - Proposed Environmental Impact Areas
 - Detailed plans in 3 sheets of the Bridge 219 over Otter Creek, dated 1/8/2010 by VHB, Inc.
8. The protected functions of the wetlands in question (Wetlands 1 and 2) include at least the following: water storage for flood water and storm runoff (§5.1); surface and groundwater protection (§5.2); wildlife and migratory bird habitat (§5.4); and erosion control through binding and stabilizing the soil (§5.10).
9. The following functions are either not present or are present at such a minimal level as to not be protected functions: fisheries habitat (§5.3); hydrophytic vegetation habitat (§5.5); threatened and endangered species habitat (§5.6); education and research in natural science (§5.7); recreational value and economic benefit (§5.8); and open space and aesthetics (§5.9).
10. The wetlands provide water storage for floodwater and storm water as they are directly adjacent to Otter Creek and provide physical space for floodwater expansion. The wetlands provide the surface and groundwater protection as they can provide temporary storage of water. This allows for slowing of floodwater velocity, and the filtering of sediments and nutrients from floodwater and storm runoff. The wetlands provide wildlife and migratory bird habitat. The wetlands, taken together with other contiguous and non-contiguous wetlands along the Otter Creek provide a high level of habitat diversity. This diversity includes wet meadow, emergent marsh, mature floodplain forest, shrub swamp and open water which together support a number of wildlife species and migratory waterfowl. The wetlands provide erosion control through binding and stabilizing the soil as they are directly adjacent to Otter Creek and provide bank and shoreline stabilization during high flow events.
11. The extent of impacts to Wetlands 1 and 2 and their functions is minimal in the context of the extensive wetlands of significance throughout the Otter Creek watershed. However, within the project area the impacts are more than minimal; impacts that are more than minimal are adverse. The project is a replacement bridge and must be located adjacent to the existing alignment to meet the basic project purpose. The railroad bridge here is essential to carry freight that would otherwise be moved by tractor trailers along US Route 7. Leaving the existing bridge open for rail while the new bridge is being built is the only practical alternative. The new bridge will minimize impacts to Otter Creek by providing a better bridge alignment and pier placement. This will eliminate the sediment discharge caused by the existing bridge design and resulting bank scour. All measures have been taken to minimize unavoidable impacts. Given these factors, there will be no undue adverse impact to protected functions.
12. In order to achieve the overall goal of no net loss of significant wetlands and their functions, the applicant has proposed the restoration and enhancement of Wetland 1. The wetland is dominated by reed canary grass; and has been in agricultural use with associated drainage ditches. The ditches will be plugged, restoring hydrology to the site. The reed canary grass will be managed to allow for the dense planting of woody vegetation for the creation of a forested wetland of approximately 17 acres.

13. If the project is constructed according to the specifications of the application and accompanying site plans, and the conditions of this Conditional Use Determination, the resulting wetland and buffer zone alterations are not expected to result in any violations of the Vermont Water Quality Standards.

Conclusions of Law

Based on information provided by the applicant and their representatives in the application for Conditional Use Determination, the Agency of Natural Resources concludes:

Under 10 V.S.A. §905b and Section 8 of the Vermont Wetland Rules, effective February 23, 1990, the Secretary may authorize conditional uses in a significant wetland or in its adjacent buffer zone. The Rules state that each Class Two wetland is presumed to serve all of the wetland functions identified in the Rules (Section 4.2b). Protected functions are distinguished from other wetland functions in Section 2.20, as those functions that make a wetland so significant they merit protection under these rules. Under Section 8.5a, the Secretary may only authorize a conditional use when it is determined that the proposed conditional use will have no undue adverse effect on the protected functions, unless the Secretary determines such impacts are sufficiently mitigated.

The proposed conditional use cannot practicably be located outside the wetland and buffer zone or on another site owned, controlled or available to satisfy the basic project purpose. All practicable measures have been taken in this proposal to avoid adverse impacts on protected functions.

The Agency determines that the proposed conditional use, described in the Findings of Fact and in the Conditional Use Determination application in question, will have no undue adverse impacts to the protected functions of the Class Two wetlands on this subject property or the adjacent wetland complex.

Decision

1. The Vermont Agency of Natural Resources finds, that on the basis of the information provided in the application for Conditional Use Determination, there is reasonable assurance that the proposed conditional use will have no undue adverse effects on the protected functions of the significant wetland on this property provided the provisions of the application are supplemented with the procedures described below. This Conditional Use Determination is therefore approved with the following conditions:
 - A. All activity shall be completed, operated and maintained as set forth in accordance with the proposal in Conditional Use Determination Application #2010-097 and all submittals listed in Finding of Fact #7 above. No material or substantial changes shall be made in the project without the written approval of the Vermont Wetlands Office.
 - B. The applicant shall notify the Vermont Wetlands Office in writing prior to the start of this project.
 - C. A continuous line of orange snow fence shall be installed along the limit of disturbance prior to the start of construction. A continuous line of silt fence shall be properly installed by the applicant immediately up-gradient of the snow fence prior to any construction and shall be regularly maintained. Care should be taken to ensure that silt fence is installed on the contour and not in areas of concentrated flow such as stream channels or ditches. Sediment shall be cleaned out before and after any significant storm event or when they have reached less than half the height of the fence. Removed sediments shall be disposed of in a stable, upland area outside the 50-foot buffer zone at least 200 feet from waters of the state and

stabilized immediately with seed and mulch at a minimum. All other disturbed soils shall be seeded and mulched within 48 hours of final grading. All sediment barriers and construction fencing shall be removed following the successful establishment of vegetation.

- D. All construction activities in the wetland and adjacent 50-foot buffer zone shall be performed in compliance with Condition A and shall be completed within five years of the date of this Conditional Use Determination or this Conditional Use Determination will terminate.
 - E. The wetland boundary determination is valid for five years from the date of this determination. The delineation will need to be re-evaluated by a qualified wetland consultant if the project is not constructed, or additional impacts are proposed, after the five-year time period expires.
 - F. The terms and conditions of this decision shall run with the land.
 - G. The applicant shall monitor the portion of the wetland in question annually during early July for five years following construction for the nuisance plant species purple loosestrife (*Lythrum salicaria*) and common reed (*Phragmites australis*). All nuisance plants found shall be pulled by hand and disposed of by burial or burning in a non-wetland location. Additionally, the contractor's equipment shall be cleaned so as to contain no observable soil or vegetation prior to work in wetlands and buffer zones to help prevent the spread of invasive species.
2. The Agency maintains continuing jurisdiction over this project and may at any time order remedial measures be taken if it appears likely that adverse impacts to the protected functions and values will occur.
 3. This Conditional Use Determination does not relieve the applicant of the responsibility to comply with any other applicable federal, state, and local laws, regulations, and permits.
 4. By acceptance of this Conditional Use Determination the applicant agrees to allow representatives of the Department of Environmental Conservation access to the property covered by the Conditional Use Determination, at reasonable times, for the purpose of ascertaining compliance with this Conditional Use Determination, the Vermont Wetland Rules and the Vermont Water Quality Standards. The applicants shall also provide access to Department representatives to review and copy all records required to be prepared pursuant to this Conditional Use Determination.
 5. The Department, by issuing this Conditional Use Determination, accepts no legal responsibility for any damage direct or indirect of whatever nature and by whomever suffered arising out of the approved project.

Appeals

Any person with an interest in this matter can appeal this decision pursuant to 10 V.S.A. Section 1269. Pursuant to 10 V.S.A. Chapter 220, any appeal of this decision must be filed with the clerk of the Environmental Court within 30 days of the date of the decision. The appellant must attach to the Notice of Appeal the entry fee of \$225.00, payable to the state of Vermont.

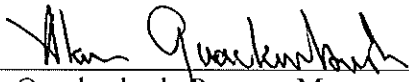
The Notice of Appeal must specify the parties taking the appeal and the statutory provision under which each party claims party status; must designate the act or decision appealed from; must name the Environmental Court; and must be signed by the appellant or their attorney. In addition, the appeal must

give the address or location and description of the property, project or facility with which the appeal is concerned; and the name of the applicant, and any permit involved in the appeal.

The appellant must also serve a copy of the Notice of Appeal in accordance with Rule 5(b)(4)(B) of the Vermont Rules for Environmental Court Proceedings.

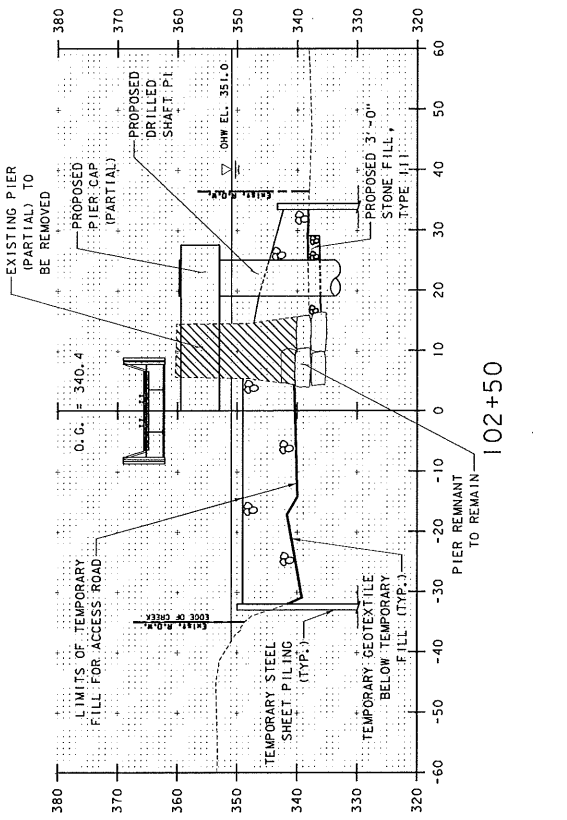
For further information, see the Vermont Rules for Environmental Court Proceedings, available on line at www.vermontjudiciary.org. The address for the Environmental Court is 2418 Airport Road, Suite 1, Barre, VT 05641 (tel. 802-828-1660).

David K. Mears, Commissioner
Department of Environmental Conservation

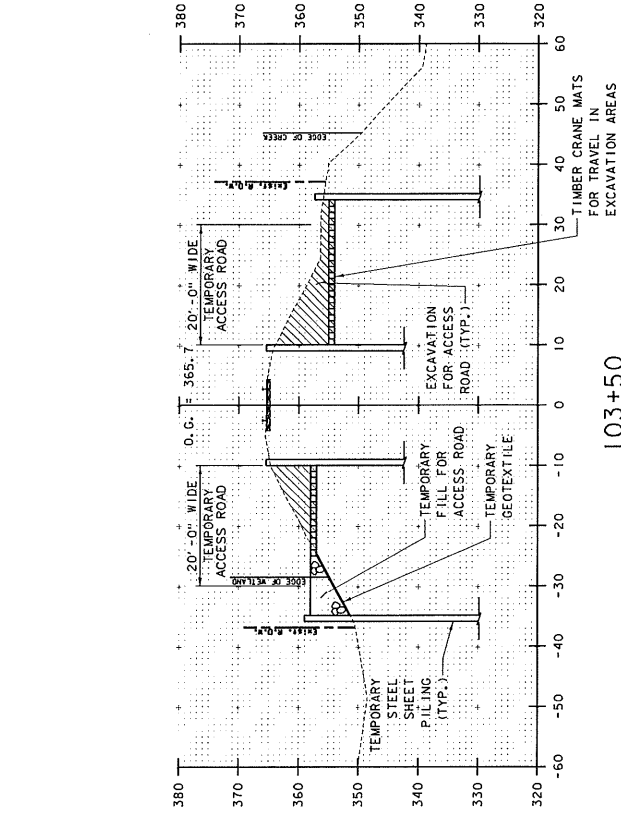
by: 
Alan Quackenbush, Program Manager
Wetlands Program

Dated at Waterbury, Vermont
this 28th day of JANUARY, 2011

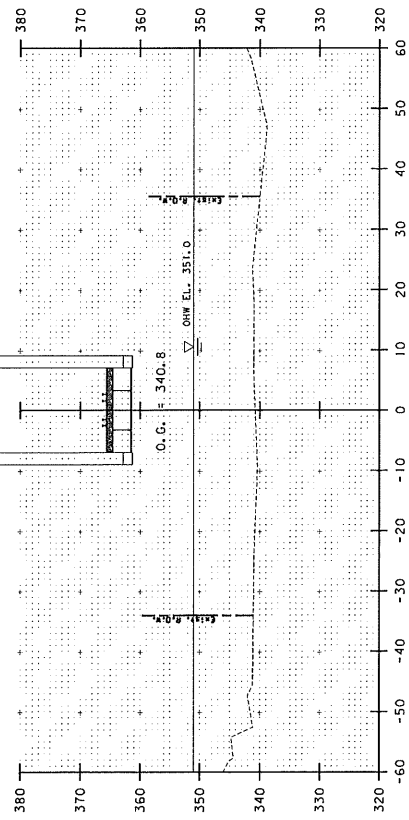
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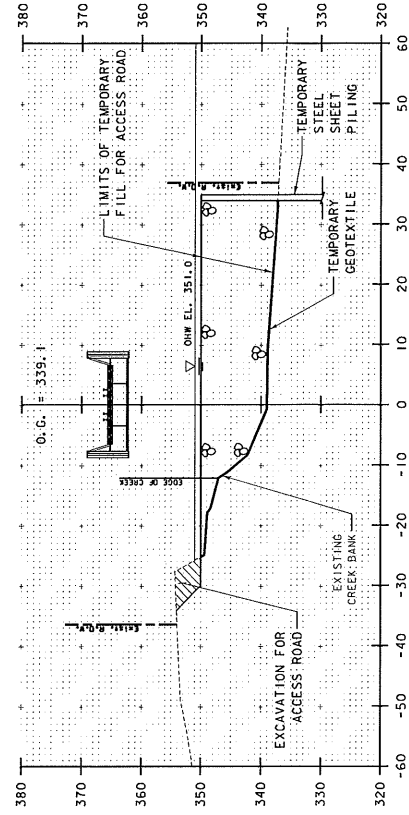
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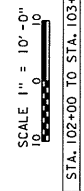
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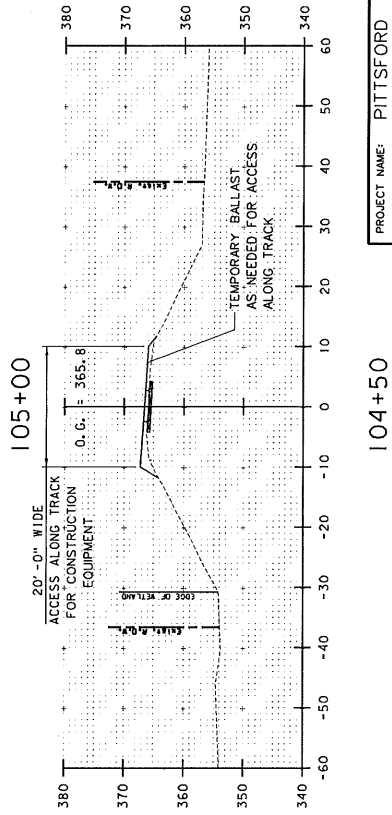
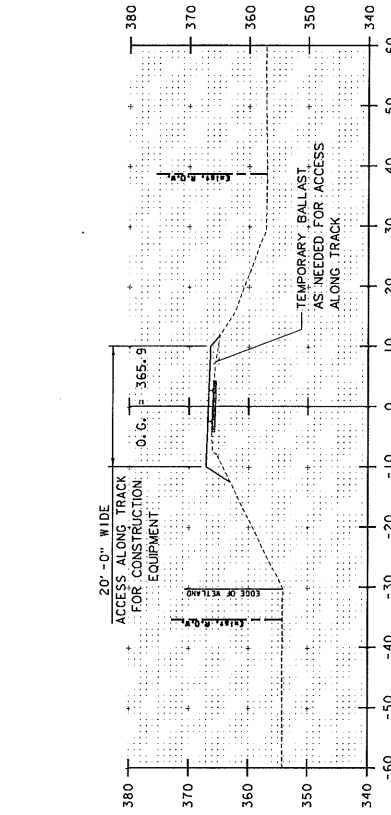
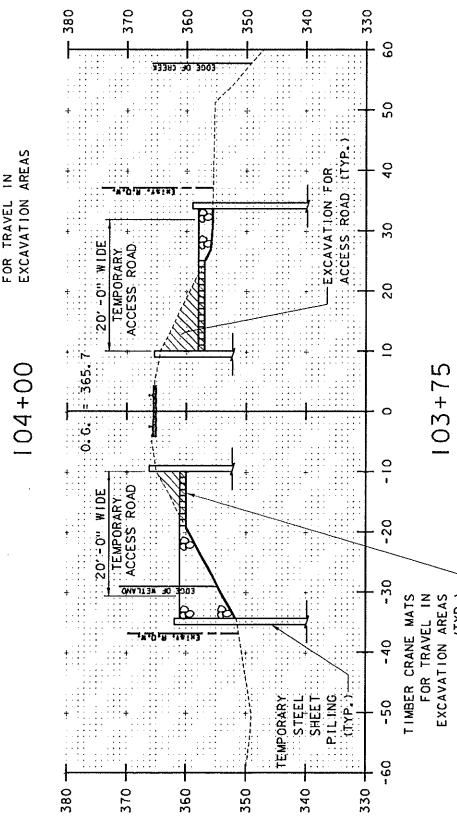
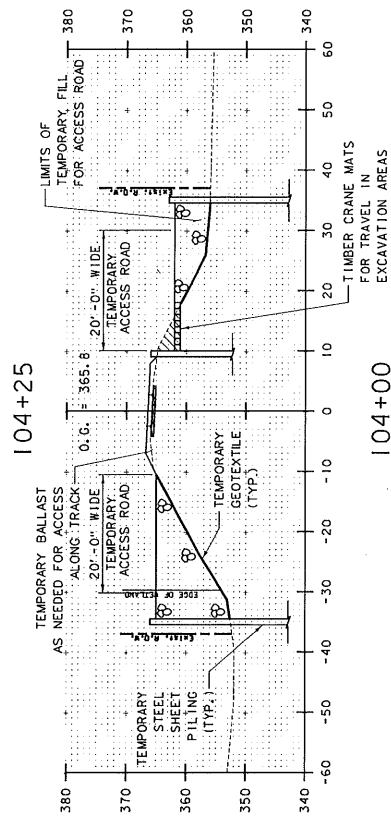
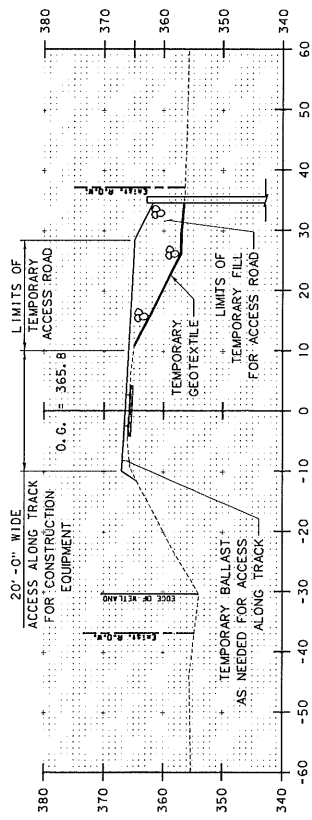
102+00



103+00



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 FILE NAME: 203046.vrs.dgn
 PLOT DATE: 1/23/2015
 DESIGNED BY: S. GUNN
 CHECKED BY: S. GUNN
 SHEET 77 OF 83
 YTR TRACK CROSS SECTIONS 2



104+75

104+25

104+00

104+50

105+00

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STA. 103+75 TO STA. 105+00

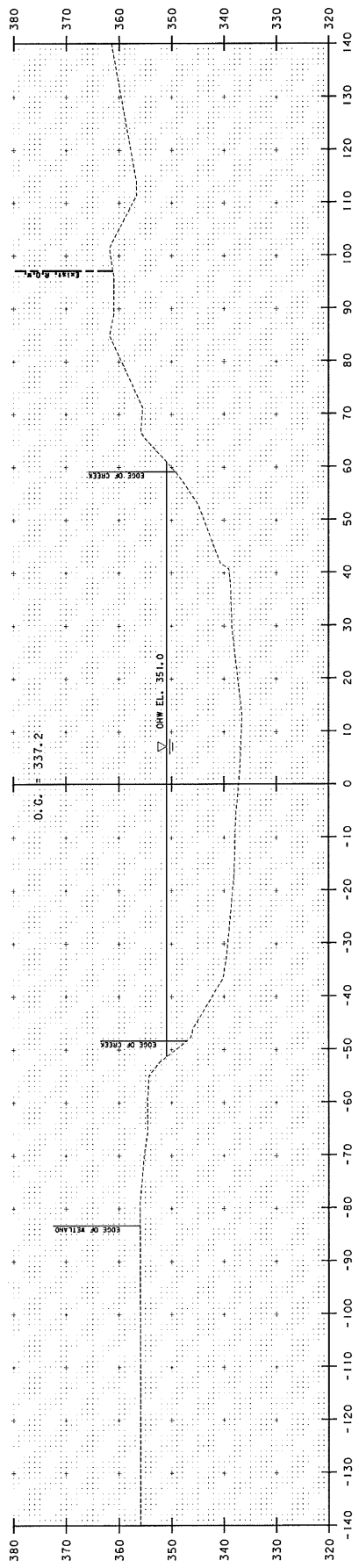
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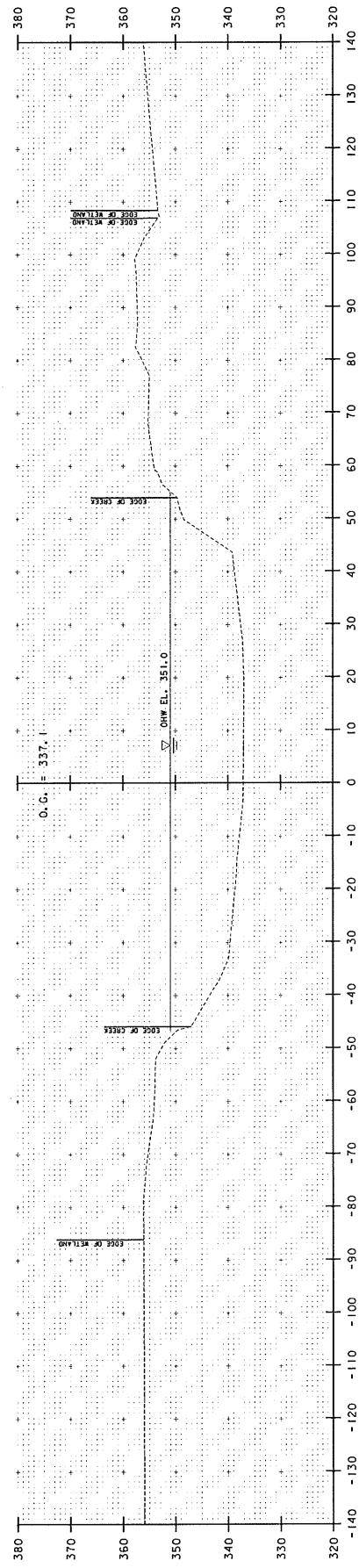
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 PROJECT LEADER: S. GIBSON
 DESIGNED BY: S. BOYNTON
 CHECKED BY: S. BOYNTON
 SHEET 78 OF 93

DATE: 1/23/2015

VTR TRACK CROSS SECTIONS *3



7+25

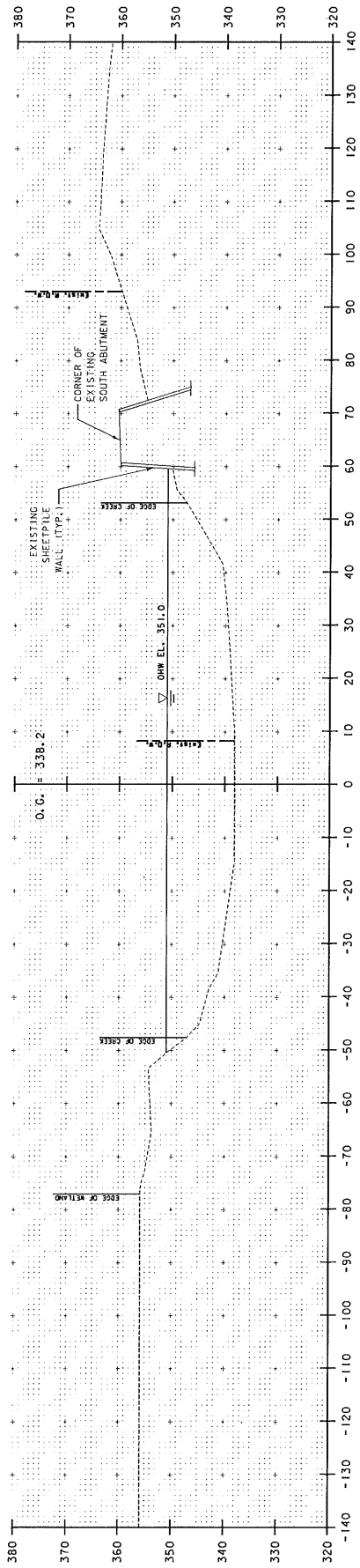


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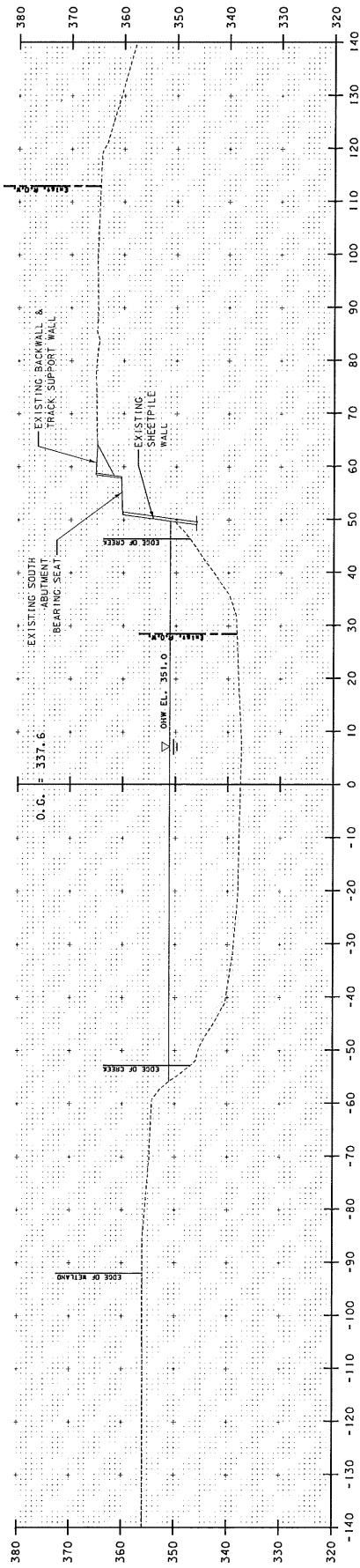
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JACOBS

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 FILE NAME: 03C1461616_6.dgn
 PROJECT LEADER: J. WILSON
 DRAWN BY: S. CHAN
 DESIGNED BY: S. BRYINGTON
 CHECKED BY: J. WILSON
 CHANNEL CROSS SECTIONS *1
 SHEET 79 OF 93



7+75



7+50

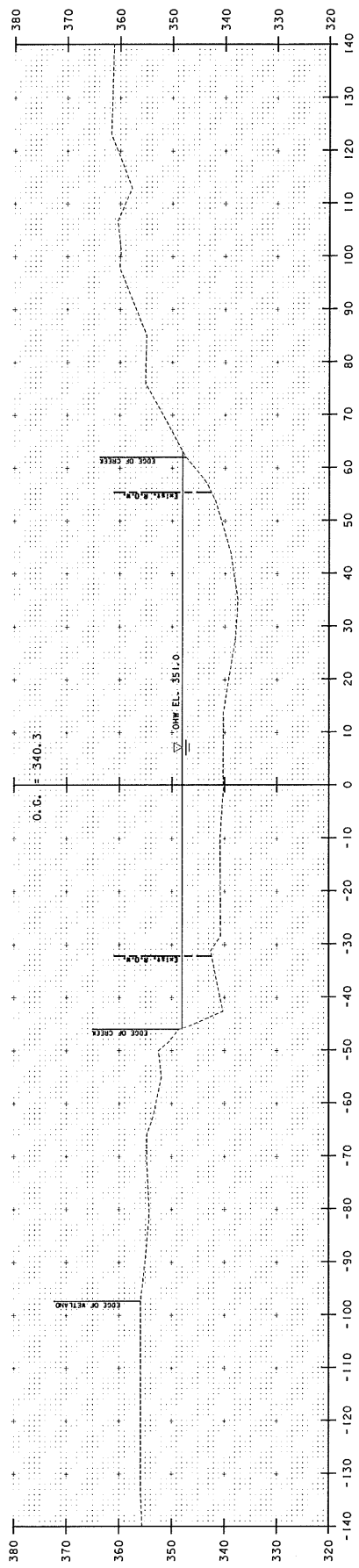
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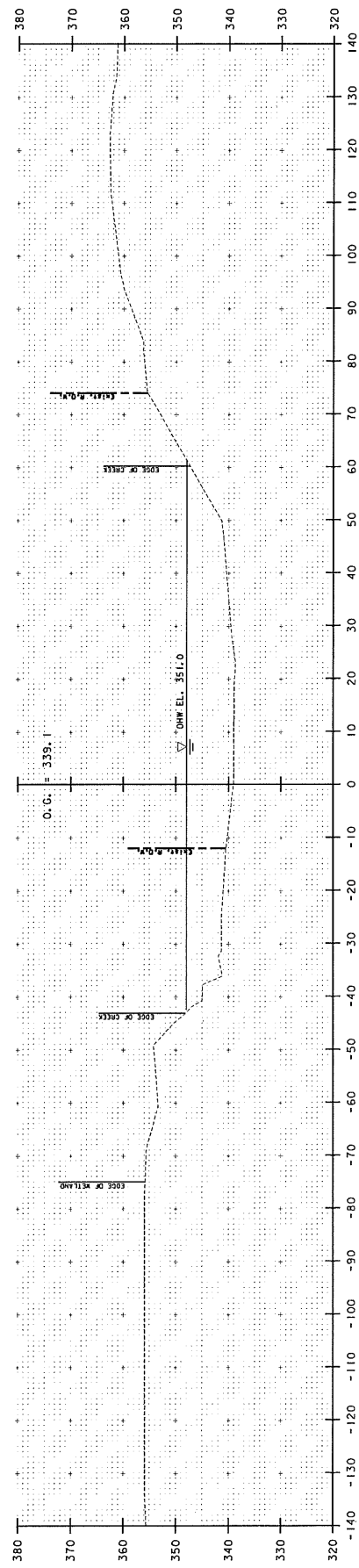
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 PROJECT LEADER: WILSON
 DESIGNED BY: S. BOYINGTON
 CHECKED BY: WILSON
 SHEET 80 OF 93

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STA. 7+50 TO STA. 7+75



8+25

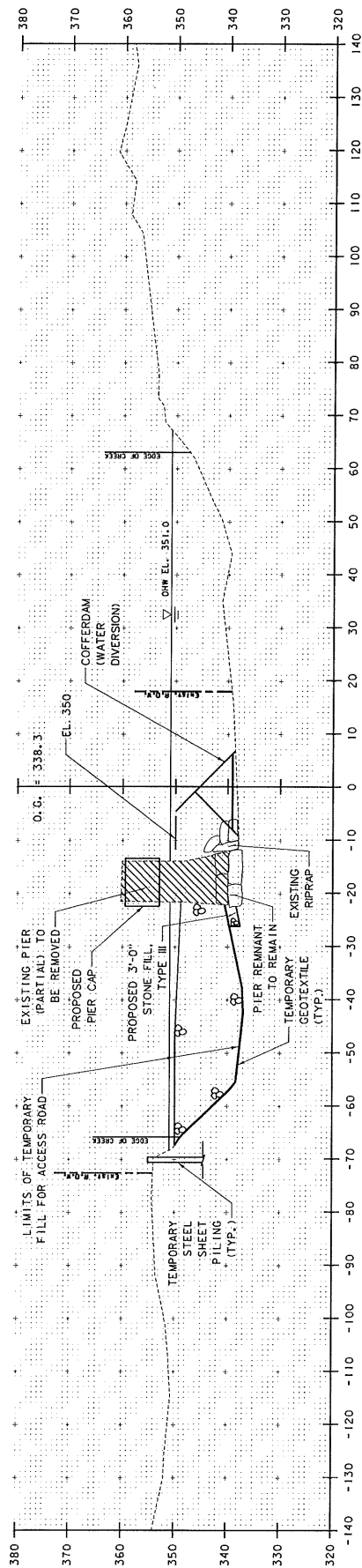


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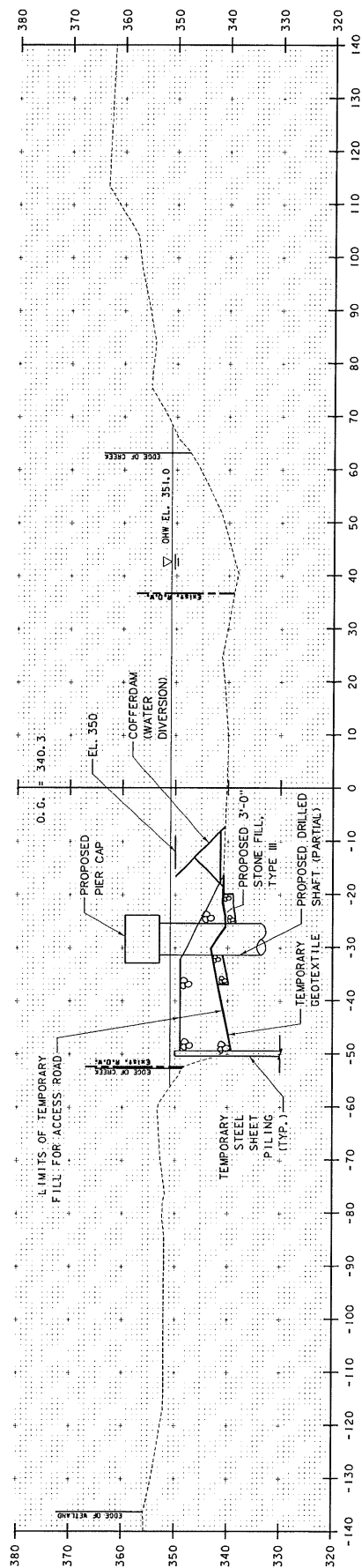
JACOBS

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 FILE NAME: 03141615.dwg
 PLOT DATE: 1/23/2015
 PROJECT LEADER: J. WILSON
 DRAWN BY: S. CHAN
 DESIGNED BY: S. BOYINGTON
 CHECKED BY: J. WILSON
 CHANNEL CROSS SECTIONS *3
 SHEET 81 OF 93

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 STA. 8+00 TO STA. 8+25



8+75



8+50

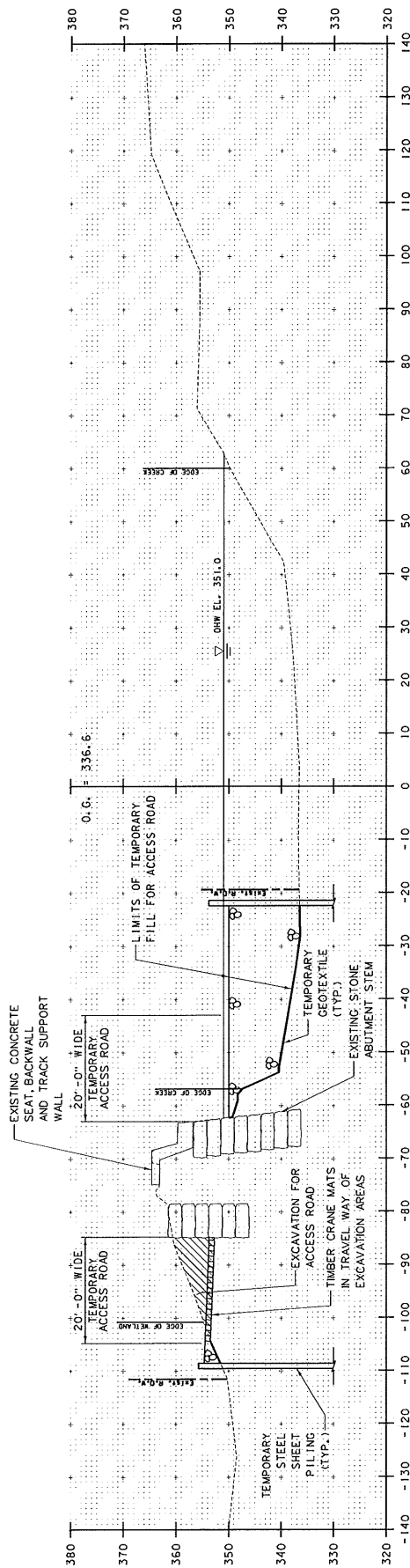
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JACOBS

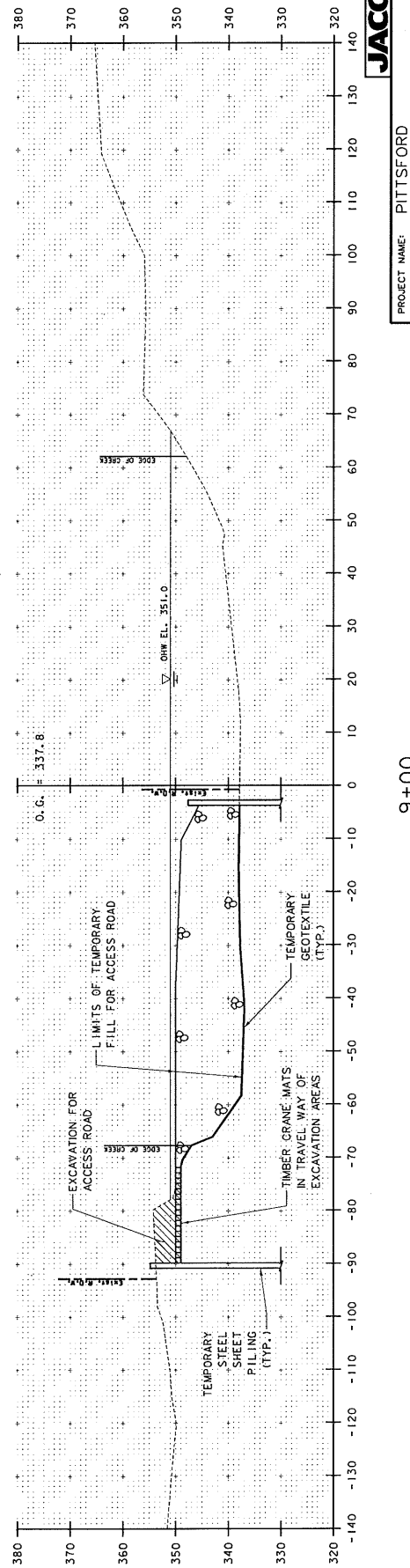
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 DESIGNED BY: S. BOYNTON
 CHANNEL CROSS SECTIONS *4

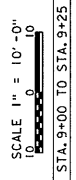
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 SHEET BE OF 93



9+25

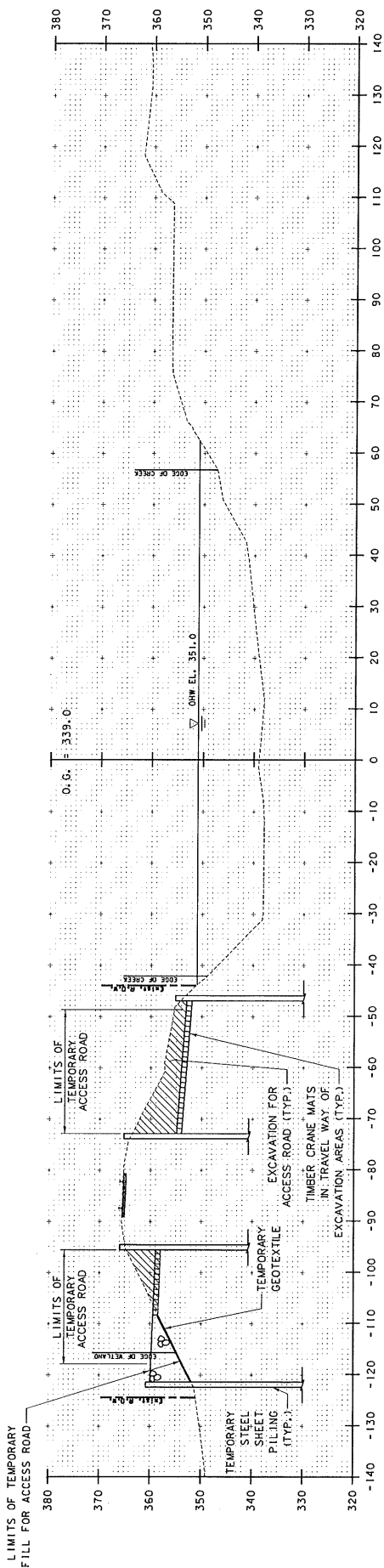


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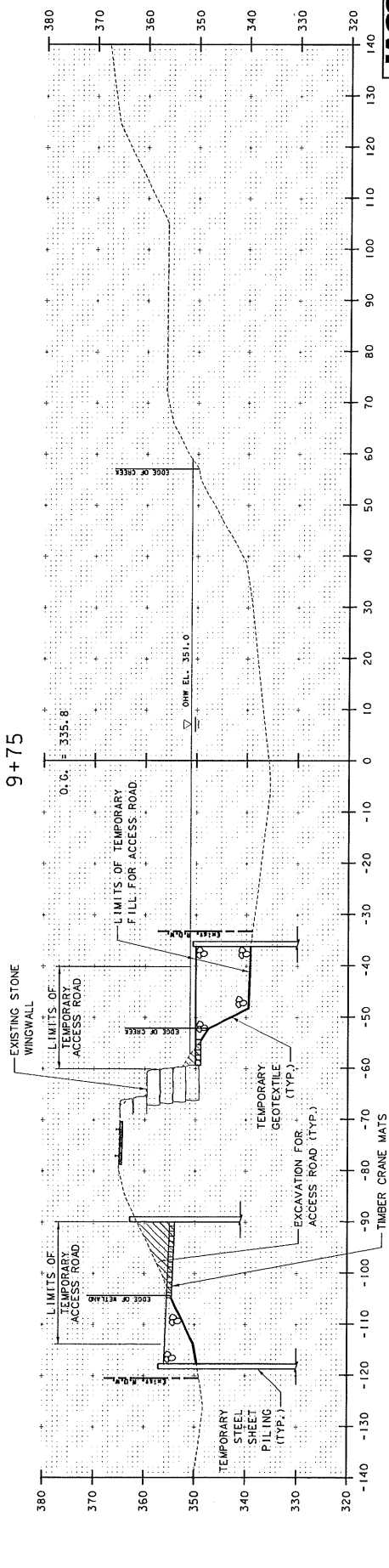


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 PROJECT LEADER: J. WILSON
 DESIGNED BY: S. ROYINGTON
 CHECKED BY: J. WILSON
 SHEET 83 OF 83
 CHANNEL CROSS SECTIONS *5
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PLOT DATE: 1/23/2015
 DRAWN BY: S. GUNN
 CHECKED BY: J. WILSON
 SHEET 83 OF 83



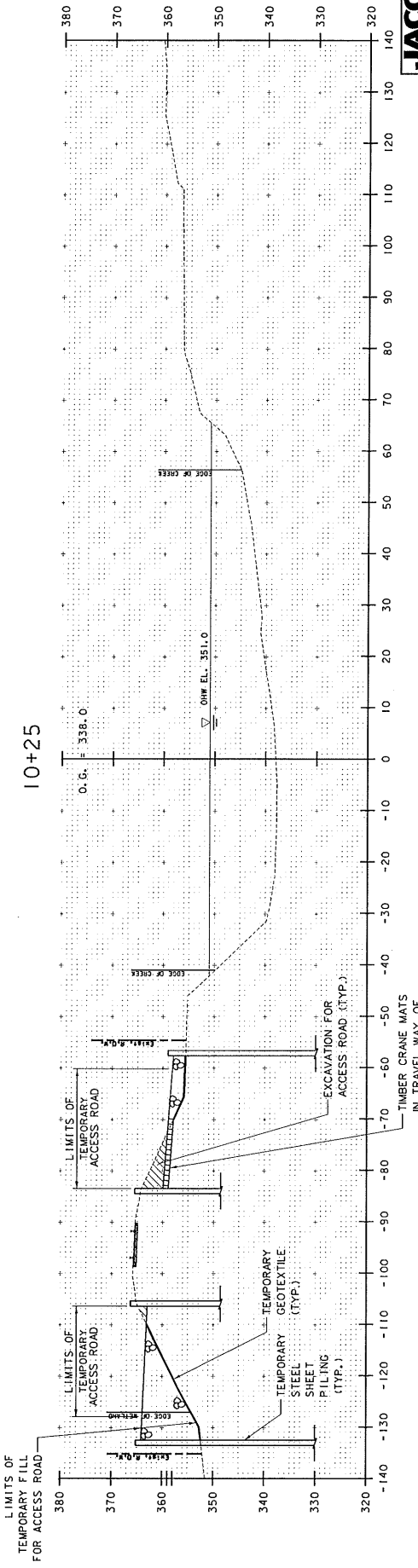
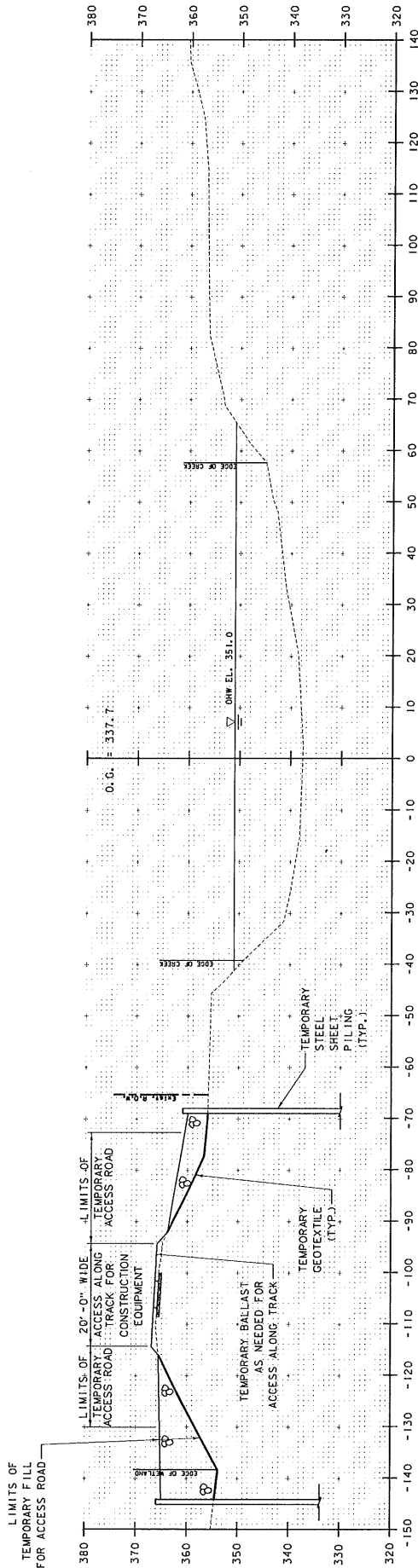
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9+50

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 DRAWN BY: S. GUNN
 DESIGNED BY: J. WILSON
 CHECKED BY: J. WILSON
 CHANNEL CROSS SECTIONS '06
 PLOT DATE: 1/23/2016



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JACOBS

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 PROJECT LEADER: J. WILSON
 DRAWN BY: S. GUNN
 DESIGNED BY: S. BOYINGTON
 CHECKED BY: J. WILSON
 CHANNEL CROSS SECTIONS #7
 SHEET 85 OF 93

PLOT DATE: 1/23/2015