CERTIFIED MAIL™

Beth A. Rogers
Doddridge County Clerk
Room 102
118 East Court St.
West Union, WV 26456

7012 1010 0001 4282 8584

015H14112420
HASLER
$6.11
08/08/13
Mailed From 26456
US POSTAGE

ATTEMPTED, NOT KNOWN

RON & JUDITH COLLEGE
EVELYN HEINTZELMIN
HC 67 BOX 66
WEST UNION, WV 26456

2013 AUG 23 AM 11:

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT

SENDER: *COMPLETE THIS SECTION*

- **Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.**
- **Print your name and address on the reverse so that we can return the card to you.**
- **Attach this card to the back of the mailpiece, or on the front if space permits.**

1. Article Addressed to: 13-046

Ron & Judith College
Evelyn Heintzelmin
HC 67 Box 66
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7012 1010 0001 4282 8584

PS Form **3811**, February 2004 Domestic Return Receipt 102595-02-M-1540

Legal Advertisement:

Doddridge County

Floodplain Permit Application

Please take notice that on the 7th day of August, 2013 **EQT GATHERING, LLC – FLINT RUN** filed an application for a Floodplain Permit to develop land located at or about: **SURFACE OWNERS: CHARLEEN UNDERWOOD, GRANT DISTRICT, 33.2 ACRES, DEED BOOK 302 PG 349, TAX MAP 6 PARCEL 18.**

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by **August 20, 2013.**

Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

7012 1010 0001 4282 8560

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 6.11

WEST UNION WV Postmark Here AUG - 8 2013 USPS 26456

Sent To: Toby Stanley
Street, Apt. No.; or PO Box No.: HC 67 Box 68
City, State, ZIP+4: West Union, WV 26456

PS Form 3800, August 2006 — See Reverse for Instructions

7012 1010 0001 4282 8584

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

13046

Postage	$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 6.11

WEST UNION WV Postmark Here AUG - 8 2013 USPS 26456

Sent To: Ron & Judith College/ Evelyn Heintzelmin
Street, Apt. No.; or PO Box No.: HC 67 Box 66
City, State, ZIP+4: West Union, WV 26456

PS Form 3800, August 2006 — See Reverse for Instructions

7012 1010 0001 4282 8553

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 6.11

WEST UNION WV Postmark Here AUG - 8 2013 USPS 26456

Sent To: Charleen Underwood
Street, Apt. No.; or PO Box No.: HC 67 Box 66
City, State, ZIP+4: West Union, wV 26456

PS Form 3800, August 2006 — See Reverse for Instructions

7012 1010 0001 4282 8577

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 6.11

WEST UNION WV Postmark Here AUG - 8 2013 USPS 26456

Sent To: Mark D & Eileen J Williams
Street, Apt. No.; or PO Box No.: HC 67 Box 67
City, State, ZIP+4: West Union WV 26456

PS Form 3800, August 2006 — See Reverse for Instructions

7012 1010 0001 4282 8591

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 6.11

WEST UNION WV Postmark Here AUG - 8 2013 USPS 26456

Sent To: Herman Stickel
Street, Apt. No.; or PO Box No.: HC 67 Box 63A
City, State, ZIP+4: West Union, WV 26456

PS Form 3800, August 2006 — See Reverse for Instructions

7012 1010 0001 4282 8607

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .46
Certified Fee	3.10
Return Receipt Fee (Endorsement Required)	2.55
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 6.11

WEST UNION WV Postmark Here AUG - 8 2013 26456

Sent To: Wallace Ash
Street, Apt. No.; or PO Box No.: HC 67 Box 61
City, State, ZIP+4: West Union, WV 26456

PS Form 3800, August 2006 — See Reverse for Instructions

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: 13-046

Mark D & Eileen J Williams
HC 67 Box 67
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Mark D. Williams ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 8-12-13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7012 1010 0001 4282 8577

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4® in this box •

2015 AUG 13 AM 10:51

BETH A ROGERS
DODDRIDGE COUNTY CLERK
118 E. COURT ST., RM 102
WEST UNION, WV 26456

26456129799

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: 13-046

Charleen Underwood
HC 67 Box 66
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Charleen Underwood ☐ Agent ☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery 8/9/13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7012 1010 0001 4282 8553

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

2013 AUG 12 AM 11:49

DODDRIDGE COUNTY, WV

BETH A ROGERS
DODDRIDGE COUNTY CLERK
118 E. COURT ST., RM 102
WEST UNION, WV 26456

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: 13-046

Toby Stanley
HC 67 Box 68
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Toby Stanley ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery 8/9/13

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7012 1010 0001 4282 8560

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

FILED
2013 AUG 12 AM 11:49
DODDRIDGE COUNTY, WV

BETH A ROGERS
DODDRIDGE COUNTY CLERK
118 E. COURT ST., RM 102
WEST UNION, WV 26456

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: 13-046

Wallace Ash
HC 67 Box 61
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Wallace Ash ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 8/9/2013

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7012 1010 0001 4282 8607

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

FILED
2013 AUG 12 AM 11:49
BETH A. ROGERS
COUNTY CLERK
COUNTY, WV

BETH A ROGERS
DODDRIDGE COUNTY CLERK
118 E. COURT ST., RM 102
WEST UNION, WV 26456

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: 13-046

Herman Stickel
HC 67 Box 63A
West Union, WV 26456

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

WEST UNION WV 26456 SEP 10 2004

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7004 0750 0001 4282 8591

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

2013 AUG 12 AM 11:49

BETH A ROGERS
DODDRIDGE COUNTY CLERK
118 E. COURT ST., RM 102
WEST UNION, WV 26456

Doddridge County Sheriff
Flood Plain Ordinance Fund

1044
69-217/515

DATE August 8, 2013

PAY TO THE ORDER OF EQT GATHERING $ 929.53

Nine Hundred Twenty-nine Dollars and 53/100---------- DOLLARS

Security features included. Details on back.

CORNERSTONE BANK
West Union, WV 26456

Ralph Sandsberry, Jr.
Beth A. Rogers
MP

MEMO #13-046 Reimburse Flint Run Bldg Permit

⑈001044⑈ ⑆051502175⑆ 11⑈9649⑈9⑈

BLUE TRADITIONAL

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

The Person paying Money into the Treasury shall forthwith file one of these Receipts with the County Clerk

Doddridge County, West Virginia

No. 228

Date: August 1, 2013
Customer copy

Received: #13-046 eqt flint run $3,886.00

In Payment For: 318 Building Permits (LP)

For: 12-Flood Plain Ordinance #20 Fund

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

The Person paying Money into the Treasury shall forthwith file one of these Receipts with the County Clerk

Doddridge County, West Virginia

No. 255

Date: August 7, 2013
Customer copy

$1,000.00

Received: #13-046 eqt flint run

In Payment For: 318 Building Permits (LP)

For: 12-Flood Plain Ordinance #20 Fund

By: BH - MEH - AML
Asst. Chief Tax Deputy

W. C .Underwood Jr.
Sheriff of Doddridge County

Legal Advertisement:

Doddridge County

Floodplain Permit Application

Please take notice that on the 7th day of August, 2013 **EQT GATHERING, LLC – FLINT RUN** filed an application for a Floodplain Permit to develop land located at or about: **SURFACE OWNERS: CHARLEEN UNDERWOOD, GRANT DISTRICT, 33.2 ACRES, DEED BOOK 302 PG 349, TAX MAP 6 PARCEL 18.**

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by **August 27, 2013.**

Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

Please replace this for the other one.
This is Correct Date August 27, '13.

Thanks
Catel

13-046

Legal Advertisement:

Doddridge County

Floodplain Permit Application

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Delivered to the:

Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

P.01

TRANSACTION REPORT

AUG-07-2013 WED 11:00 AM

FOR: DODDRIDGE CO. CLERK 304 873 1840

SEND

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
AUG-07	11:00 AM	93048731600	25″	1	FAX TX	OK	559	

TOTAL : 25S PAGES: 1

Legal Advertisement:

Doddridge County

Floodplain Permit Application

13-046

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Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

P. 01

TRANSACTION REPORT

AUG-07-2013 WED 01:26 PM

FOR: DODDRIDGE CO. CLERK 304 873 1840

SEND

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
AUG-07	01:25 PM	93048731600	27″	1	FAX TX	OK	561	

TOTAL : 27S PAGES: 1

Legal Advertisement:

Doddridge County

Floodplain Permit Application

13-046

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Clerk of the County Court

118 E. Court Street, West Union, WV 26456.

Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

Please replace this for the other one.
This is Correct Date August 27, 13.

Thanks
Catee

P. 01

TRANSACTION REPORT

AUG-07-2013 WED 01:28 PM

FOR: DODDRIDGE CO. CLERK 304 873 1840

SEND

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
AUG-07	01:28 PM	93048731600	27″	1	FAX TX	OK	560	

TOTAL : 27S PAGES: 1

Legal Advertisement:

Doddridge County

Floodplain Permit Application

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Beth A Rogers, Doddridge County Clerk

Dan Wellings, Doddridge County Flood Plain Manager

Please replace this for the other one.
This is Correct Date August 27, '13.

Thanks
Cotel

PERMIT NO. 13-046

DODDRIDGE COUNTY

FLOODPLAIN DEVELOPMENT

PERMIT

PURPOSE FOR PERMIT: WG-100 PIPELINE

ISSUED TO EQT GATHERING, LLC

ADDRESS: 625 LIBERTY AVE. SUITE 1700
PITTSBURGH, PA 15222

PROJECT ADDRESS: BIG FLINT RUN NEAR/BELOW POVERTY RUN

ISSUED BY: Dan Hellings

DATE: 08/28/2013

THE PERMIT EXPIRES 180 DAYS FROM THIS DATE

THIS PERMIT MUST BE POSTED ON THE PREMISES IN A CONSPICUOUS PLACE SO AS TO BE CLEARLY VISIBLE FROM THE STREET.

DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE Stephanie Frazier

DATE 7/30/13

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: Stephanie Frazier / EQT Gathering, LLC
ADDRESS: 625 Liberty Ave, Suite 1700, Pittsburgh, PA 15222
TELEPHONE NUMBER: 412 – 553 - 5798

BUILDER'S NAME: Pete Gould and Sons

ADDRESS: RR 1 Box 129, Smithfield, WV 26437

TELEPHONE NUMBER: (304) 889-2950

ENGINEER'S NAME: Eric Hershey / Rettew Associates

ADDRESS: 3020 Columbia Avenue, Lancaster, PA 17603

TELEPHONE NUMBER: 1-800-738-8395

PROJECT LOCATION: Crossing is located in Grant District, Doddridge County, approximately 100' west of Big Flint Road and 700' north of the intersection with Sink Road. Approx. coordinates 39°21'29.2"N and 80°42'43.1"W

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Charleen Underwood

---

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) HC 67 Box 66, West Union, WV, 26456

DISTRICT: Grant

DATE/FROM WHOM PROPERTY PURCHASED: Enza B. Smith July 7, 1964

LAND BOOK DESCRIPTION: Big Flint 33.2 acres

DEED BOOK REFERENCE: Track# 302-349

TAX MAP REFERENCE: Map 6 – Parcel 18

EXISTING BUILDINGS/USES OF PROPERTY: Residence and outbuildings

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY: Charleen Underwood

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY: HC 67 Box 66, West Union, WV, 26456

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY		STRUCTURAL TYPE	
[]	New Structure	[]	Residential (1 – 4 Family)
[]	Addition	[]	Residential (more than 4 Family)
[]	Alteration	[]	Non-residential (floodproofing)
[]	Relocation	[]	Combined Use (res. & com.)
[]	Demolition	[]	Replacement
[]	Manufactured/Mobil Home		

B. OTHER DEVEOPLMENT ACTIVITIES:

[] Fill [] Mining [] Drilling [X] Pipelining
=[] Grading
[X] Excavation (except for STRUCTURAL DEVELOPMENT checked above)
[] Watercourse Altercation (including dredging and channel modification)
[] Drainage Improvements (including culvert work)
[X] Road, Street, or Bridge Construction (**Temporary Bridge only**)
[] Subdivision (including new expansion)
[] Individual Water or Sewer System
[] Other (please specify)

_____

C. STANDARD SITE PLAN OR SKETCH (See Attached)

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
2. **IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**
   SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. **SIGN AND DATE THE SKETCH.**

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN $__ 677,200 _____

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. **NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).**

See Attached List

1. **NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.**

See Attached List

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

(A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.

(B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.

(C) PUBLICATION.

(D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.

(E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): Stephanie Frazier

SIGNATURE: _____ **DATE:** 7/30/13

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

Name and Address of Surface Owner Tracts Adjacent to Flint Run

Track #	Map-Par.	Dist.	Acres	Surface Owner/ Name	Street Address	City	State	Zip	Phone#
302-349	6-18	Grant	33.20	Charleen Underwood	HC 67 Box 66	West Union	WV	26456	304-873-2725
302-350	6-18.1	Grant	122.38	Toby Stanley	HC 67 Box 68	West Union	WV	26456	304-873-3331
302-351	6-18.3	Grant	5.02	Toby Stanley	HC 67 Box 68	West Union	WV	26456	304-873-3331
302-348	6-13	Grant	59.75	Mark D. & Eileen J. Williams	HC 67 Box 67	West Union	WV	26456	304-873-2433
302-347	6-20	Grant	83.53	Ron and Judith College; Evelyn Heintzelmin	234 Philadelphia Ave.	Waynesboro	PA	17268	717-762-7289
	6-18.2	Grant	33.20	Charleen Underwood	HC 67 Box 66	West Union	WV	26456	304-873-2725
	6-20.3	Grant	3.65	Herman Stickel	HC 67 Box 63A	West Union	WV	26456	304-873-1372
	6-24	Grant	68.89	Wallace Ash	HC 67 Box 61	West Union	WV	26456	304-873-2083

SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel: 130

Dated: 10/04/2011

[] Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOOPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

[X] Is located in Special Flood Hazard Area.

FIRM zone designation A

100-Year flood elevation is: 777.65 NGVD ~~NAVD~~

[] Unavailable

[] The proposed development is located in a floodway.

FBFM Panel No._____ Dated_____

[] See section 4 for additional instructions.

SIGNED Dan Williams **DATE** 08/28/2013

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

[] A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.

[] Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also_____

_____

[] Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).

[] Plans showing the extent of watercourse relocation and/or landform alterations.

[] Top of new fill elevation_____Ft. NGVD (MSL).
For floodproofing structures applicant must attach certification from registered engineer or architect.

[] Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.

[] Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

[] Other:

_____

_____

_____

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity **(type is or is not)** in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED Dave Wellings DATE 08/28/2013

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County? [] Yes {} No
Hearing Date:_____
County Commission Decision - Approved [] Yes [] No

CONDITIONS:_____
_____
_____
_____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued). Not Applicable

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is_____FT. NGVD (MSL)

2 Actual (As Built) elevation of floodproofing is_____FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE: 12/05/13 **BY:** Dan Wellman

DEFICIENCIES ? Y/(N)

COMMENTS Visited site 07/25/2013 - no permit for temp. bridge

Visited site 12/05/2013 - reclaimation complete, bridge being removed

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE: 12/06/13 BY: Dan Wellman

CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)

PERMIT NUMBER: 13-046
PERMIT DATE: 8/28/2013

PURPOSE –

CONSTRUCTION LOCATION: WG-100 Pipeline
Big Flint Run

OWNER'S ADDRESS: EQT
625 Liberty Ave. Suite 1700
Pittsburgh, PA 15222

THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN ADMINISTRATOR/MANAGER OR HIS/HER AGENT.

COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF DODDRIDGE COUNTY ON MAY 21, 2013.

SIGNED _____ **DATE** 12/06/2013

DODDRIDGE COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION

SECTION 1: GENERAL PROVISIONS (APPLICANT TO READ AND SIGN)

1. No work may start until a permit is issued.
2. The permit may be revoked if any false statements are made herein.
3. If revoked, all work must cease until permit is re-issued.
4. Development shall not be used or occupied until a Certificate of Compliance is issued.
5. The permit will expire if no work is commenced within six months of issuance.
6. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal requirements.
7. Applicant hereby gives consent to the Floodplain Administrator/Manager or his/her representative to make inspections to verify compliance.
8. **I, THE APPLICANT CERTIFY THAT ALL STATEMENTS HEREIN AND IN ATTACHMENTS TO THIS APPLICATION ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND ACCURATE.**

APPLICANT'S SIGNATURE Stephanie Frazier

DATE 7/30/13

SECTION 2: PROPOSE DEVELOPMENT (TO BE COMPLETED BY APPLICANT).

IF THE APPLICANT IS NOT A NATURAL PERSON, THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A NATURAL PERSON WHO SHALL BE APPOINTED BY THE APPLICANT TO RECEIVE NOTICE PURSUANT TO ANY PROVISION OF THE CURRENT DODDRIDGE COUNTY FLOODPLAIN ORDINANCE.

APPLICANT'S NAME: Stephanie Frazier / EQT Gathering, LLC
ADDRESS: 625 Liberty Ave, Suite 1700, Pittsburgh, PA 15222
TELEPHONE NUMBER: 412 – 553 - 5798

FILED
2013 JUL 31 AM 9:08
CLERK'S OFFICE
DODDRIDGE COUNTY, WV

BUILDER'S NAME: Pete Gould and Sons

ADDRESS: RR 1 Box 129, Smithfield, WV 26437

TELEPHONE NUMBER: (304) 889-2950

ENGINEER'S NAME: Eric Hershey / Rettew Associates

ADDRESS: 3020 Columbia Avenue, Lancaster, PA 17603

TELEPHONE NUMBER: 1-800-738-8395

PROJECT LOCATION: Crossing is located in Grant District, Doddridge County, approximately 100' west of Big Flint Road and 700' north of the intersection with Sink Road. Approx. coordinates 39°21'29.2"N and 80°42'43.1"W

NAME OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) Charleen Underwood

---

ADDRESS OF SURFACE OWNER/OWNERS (IF NOT THE APPLICANT) HC 67 Box 66, West Union, WV, 26456

DISTRICT: Grant

DATE/FROM WHOM PROPERTY PURCHASED: Enza B. Smith July 7, 1964

LAND BOOK DESCRIPTION: Big Flint 33.2 acres

DEED BOOK REFERENCE: Track# 302-349

TAX MAP REFERENCE: Map 6 – Parcel 18

EXISTING BUILDINGS/USES OF PROPERTY: Residence and outbuildings

NAME OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY: Charleen Underwood

ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON THE SUBJECT PROPERTY: HC 67 Box 66, West Union, WV, 26456

To avoid delay in processing the application, please provide enough information to easily identify the project location.

DESCRIPTION OF WORK (CHECK ALL APPLICABLE BOXES)

A. STRUCTURAL DEVELOPMENT

ACTIVITY		STRUCTURAL TYPE	
[]	New Structure	[]	Residential (1 – 4 Family)
[]	Addition	[]	Residential (more than 4 Family)
[]	Alteration	[]	Non-residential (floodproofing)
[]	Relocation	[]	Combined Use (res. & com.)
[]	Demolition	[]	Replacement
[]	Manufactured/Mobil Home		

B. OTHER DEVEOPLMENT ACTIVITIES:

[] Fill [] Mining [] Drilling [X] Pipelining
=[] Grading
[X] Excavation (except for STRUCTURAL DEVELOPMENT checked above)
[] Watercourse Altercation (including dredging and channel modification)
[] Drainage Improvements (including culvert work)
[X] Road, Street, or Bridge Construction (**Temporary Bridge only**)
[] Subdivision (including new expansion)
[] Individual Water or Sewer System
[] Other (please specify)

_____

C. STANDARD SITE PLAN OR SKETCH (See Attached)

1. **SUBMIT ALL STANDARD SITE PLANS, IF ANY HAVE BEEN PREPARED.**
2. **IF STANDARD SITE PLANS HAVE NOT BEEN PREPARED:**
   SKETCH ON A SEPARATE 8 ½ X 11 INCH SHEET OF PAPER THE SHAPE AND LOCATION OF THE LOT. SHOW THE LOCATION OF THE INTENDED CONSTRUCTION OR LAND USE INDICATING BUILDING SETBACKS, SIZE & HEIGHT. IDENTIFY EXISTING BUILDINGS, STRUCTURES OR LAND USES ON THE PROPERTY.
3. **SIGN AND DATE THE SKETCH.**

ACTUAL TOTAL CONSTRUCTION COSTS OF THE COMPLETE DEVELOPMENT IRRESPECTIVE OF WHETHER ALL OR ANY PART OF THE SUBJECT PROPOSED CONSTRUCTION PROJECT IS WITHIN THE FLOODPLAIN $__677,200 _____

D. ADJACENT AND/OR AFFECTED LANDOWNERS:

1. **NAME AND ADDRESS OF ALL OWNERS OF SURFACE TRACTS ADJACENT TO THE AREA OF THE SURFACE TRACT (UP & DOWN STREAM) UPON WHICH THE PROPOSED ACTIVITY WILL OCCUR AND ALL OTHER SURFACE OWNERS UP & DOWN STREAM) WHO OWN PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY (IF ONE HAS BEEN COMPLETED).**

See Attached List

1. **NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN EACH RESIDENCE LOCATED UPON ANY ADJACENT PROPERTY AT THE TIME THE FLOODPLAIN PERMIT APPLICATION IS FILED AND THE NAME AND ADDRESS OF AT LEAST ONE ADULT RESIDING IN ANY HOME ON ANY PROPERTY THAT MAY BE AFFECTED BY FLOODING AS IS DEMONSTRATED BY A FLOODPLAIN STUDY OR SURVEY.**

See Attached List

E. CONFIRMATION FORM

THE APPLICANT ACKNOWLEDGES, AGREES, AND CONFIRMS THAT HE/IT WILL PAY WITHIN 30 DAYS OF RECEIPT OF INVOICE BY THE COUNTY FOR ALL EXPENSES RELATIVE TO THE PERMIT APPLICATION PROCESS GREATER THAN THE REQUIRED DEPOSIT FOR EXPENSES INCLUDING:

(A) PERSONAL SERVICE OF PROCESS BY THE DODDRIDGE COUNTY SHERIFF AT THE RATES PERMITTED BY LAW FOR SUCH SERVICE.

(B) SERVICE BY CERTIFIED MAIL RETURN RECEIPT REQUESTED.

(C) PUBLICATION.

(D) COURT REPORTING SERVICES AT ANY HEARINGS REQUESTED BY THE APPLICANT.

(E) CONSULTANTS AND/OR HEARING EXPERTS UTILIZED BY DODDRIDGE COUNTY FLOODPLAIN ADMINISTRATOR/MANAGER OR FLOODPLAIN APPEALS BOARD FOR REVIEW OF MATERIALS AND/OR TESTIMONY REGARDING THE EFFICACY OF GRANTING OR DENYING THE APPLICANT'S FLOODPLAIN PERMIT.

NAME (PRINT): Stephanie Frazier

SIGNATURE: _____ **DATE:** 7/30/13

After completing SECTION 2, APPLICANT should submit form to Floodplain Administrator/Manager or his/her representative for review.

Name and Address of Surface Owner Tracts Adjacent to Flint Run

Track #	Map-Par.	Dist.	Acres	Surface Owner/ Name	Street Address	City	State	Zip	Phone#
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302-351	6-18.3	Grant	5.02	Toby Stanley	HC 67 Box 68	West Union	WV	26456	304-873-3331
302-348	6-13	Grant	59.75	Mark D. & Eileen J. Williams	HC 67 Box 67	West Union	WV	26456	304-873-2433
302-347	6-20	Grant	83.53	Ron and Judith College; Evelyn Heintzelmin	234 Philadelphia Ave.	Waynesboro	PA	17268	717-762-7289
[illegible]	6-18.2	Grant	33.20	Charleen Underwood	HC 67 Box 66	West Union	WV	26456	304-873-2725
[illegible]	6-20.3	Grant	3.65	Herman Stickel	HC 67 Box 63A	West Union	WV	26456	304-873-1372
[illegible]	6-24	Grant	68.89	Wallace Ash	HC 67 Box 61	West Union	WV	26456	304-873-2083

SECTION 3: FLOODPLAIN DETERMINATION (to be completed by Floodplain Administrator/Manager or his/her representative)

THE PROPOSED DEVELOPMENT:

THE PROPOSED DEVELOPMENT IS LOCATED ON:

FIRM Panel:_____
Dated:_____

[] Is **NOT** located in a Specific Flood Hazard Area (Notify applicant that the application review is complete and **NO FLOOPLAIN DEVELOPMENT PERMIT IS REQUIRED**).

[] Is located in Special Flood Hazard Area.
FIRM zone designation_____
100-Year flood elevation is:_____NGVD (MSL)

[] Unavailable

[] The proposed development is located in a floodway.
FBFM Panel No._____ Dated_____

[] See section 4 for additional instructions.

SIGNED_____ **DATE**_____

SECTION 4: ADDITIONAL INFORMATION REQUIRED (To be completed by Floodplain Administrator/Manager or his/her representative)

The applicant must submit the documents checked below before the application can be processed.

[] A plan showing the location of all existing structures, water bodies, adjacent roads, lot dimensions and proposed development.

[] Development plans, drawn to scale, and specifications, including where applicable: details for anchoring structures, storage tanks, proposed elevation of lowest floor, (including basement or crawl space), types of water resistant materials used below the first floor, details of flood proffing of utilities located below the first floor and details of enclosures below the first floor. Also_____

_____

[] Subdivision or other development plans (If the subdivision or development exceeds 50 lots or 5 acres, whichever is the lesser, the applicant must provide 100-year flood elevations if they are not otherwise available).

[] Plans showing the extent of watercourse relocation and/or landform alterations.

[] Top of new fill elevation_____Ft. NGVD (MSL).
For floodproofing structures applicant must attach certification from registered engineer or architect.

[] Certification from a registered engineer that the proposed activity in a regulatory floodway will not result in any increase in the height of the 100-year flood. A copy of all data and calculations supporting this finding must also be submitted.

[] Manufactured homes located in a floodplain area must have a West Virginia Contractor's License and a Manufactured Home Installation License as required by the Federal Emergency Management Agency (FEMA).

[] Other:

_____

_____

_____

SECTION 5: PERMIT DETERMINATION (To be completed by Floodplain Administrator/Manager or his/her representative)

I have determined that the proposed activity **(type is or is not)** in conformance with provisions of the Floodplain Ordinance adopted by the County Commission of Doddridge County on May 21, 2013. The permit is issued subject to the conditions attached to and made part of this permit.

SIGNED_____DATE_____

If the Floodplain Administrator/Manager found that the above was not in conformance with the provisions of the Doddridge County Floodplain Ordinance and/or denied that application, the applicant may complete an appealing process below.

APPEALS: Appealed to the County Commission of Doddridge County? [] Yes {} No
Hearing Date:_____
County Commission Decision - Approved [] Yes [] No

CONDITIONS:_____
_____
_____
_____

SECTION 6: AS-BUILT ELEVATIONS (To be submitted by APPLICANT before Certificate of Compliance is issued). Not Applicable

The following information must be provided for project structures. This section must be completed by a registered professional engineer or a licensed land surveyor (or attach a certification to this application).

COMPLETE 1 OR 2 BELOW:

1 Actual (As-Built) Elevation of the top of the lowest floor (including basement or crawl space is_____FT. NGVD (MSL)

2 Actual (As Built) elevation of floodproofing is_____FT. NGVD (MSL)

Note: Any work performed prior to submittal of the above information is at risk of the applicant.

SECTION 7: COMPLIANCE ACTION (To be completed by the Floodplain Administrator/Manager or his/her representative).

The Floodplain Administrator/Manager or his/her representative will complete this section as applicable based on inspection of the project to ensure compliance with the Doddridge County Floodplain Ordinance.

INSPECTIONS:

DATE:_____ **BY:**_____

DEFICIENCIES ? **Y/N**

COMMENTS_____

_____

_____

_____

_____

_____

SECTION 8: CERTIFICATE OF COMPLIANCE (To be completed by Floodplain Administrator/Manager or his/her representative).

Certificate of Compliance issued: DATE:_____ BY:_____

CERTIFICATE OF COMPLIANCE
FOR DEVELOPMENT IN SPECIAL FLOOD HAZARD AREA
(OWNER MUST RETAIN)

PERMIT NUMBER:_____

PERMIT DATE:_____

PURPOSE –

CONSTRUCTION LOCATION:_____

OWNER'S ADDRESS:_____

_____

_____

THE FOLLOWING MUST BE COMPLETED BY THE FLOODPLAIN ADMINISTRATOR/MANAGER OR HIS/HER AGENT.

COMPLIANCE IS HEREBY CERTIFIED WITH THE REQUIREMENT OF THE FLOODPLAIN ORDINANCE ADOPTED BY THE COUNTY COMMISSION OF DODDRIDGE COUNTY ON MAY 21, 2013.

SIGNED_____**DATE**_____

EQT

Big Flint 07/25/2013

EQT

Removing temp. bridge

12/05/2013

WV Flood Map

This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map Created on 8/5/2013

Location of the mouse click

Approximate Study (Zone A)

Detailed Study (Zone AE, AH, AO)

Floodway

Flood Water Depth (HEC-RAS)

K—K **Cross Section Line**

810 **Base Flood Elevation Line**

DFIRM Panel (Map) Index

User Notes:

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (http://www.MapWV.gov/flood)

Flood Hazard Area:

Advisory Flood Height: N/A

Water Depth: N/A

Elevation: About 773 feet

Location (long, lat): 80.712021 W, 39.358025 N

Location (UTM 17N): (524810, 4356548)

FEMA Issued Flood Map: 130

Contacts:

CRS Information:

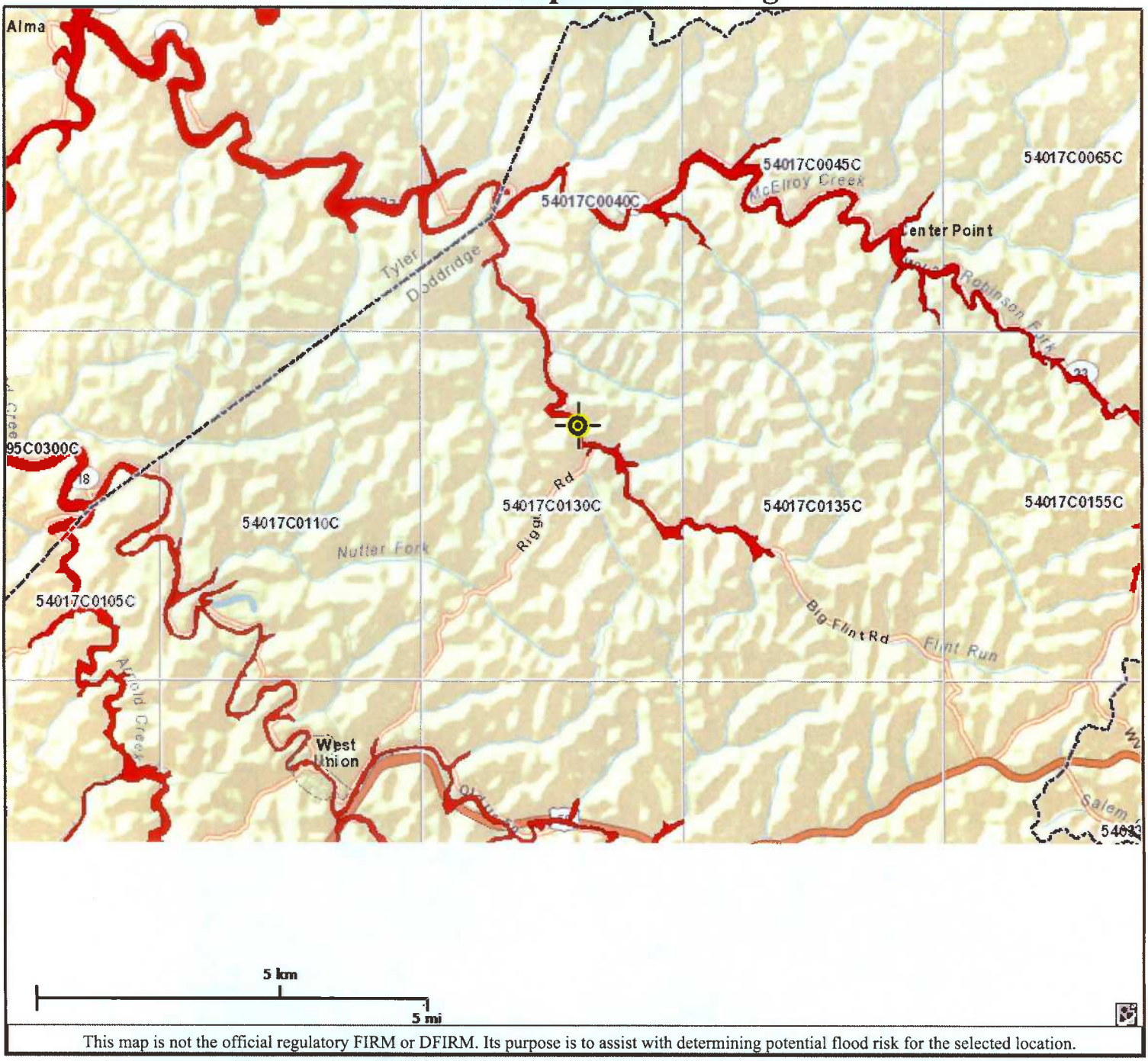
Flood Profile: No Profile

HEC-RAS Model: No Model

Parcel Number:

Flint Run Pipeline Crossing

13-045



This map is not the official regulatory FIRM or DFIRM. Its purpose is to assist with determining potential flood risk for the selected location.

Map Created on 7/29/2013

Location of the mouse click

Approximate Study (Zone A)

Detailed Study (Zone AE, AH, AO)

Floodway

Flood Water Depth (HEC-RAS)

Cross Section Line

Base Flood Elevation Line

DFIRM Panel (Map) Index

User Notes:

Approximate location of EQT pipeline crossing

Disclaimer:

The online map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. To obtain more detailed information in areas where Base Flood Elevations have been determined, users are encouraged to consult the latest Flood Profile data contained in the official flood insurance study. These studies are available online at www.msc.fema.gov.

WV Flood Tool is supported by FEMA, WV NFIP Office, and WV GIS Technical Center (http://www.MapWV.gov/flood)

Flood Hazard Area: Selected site is **WITHIN** the FEMA 100-year floodplain.

Flood Zone: A

Advisory Flood Height: N/A

Water Depth: N/A

Elevation: About 775 feet

Location (long, lat): 80.712197 W, 39.358123 N

Location (UTM 17N): (524795, 4356559)

FEMA Issued Flood Map: 54017C0130C

Contacts: Doddridge County

CRS Information: No CRS information available

Flood Profile: No Profile

HEC-RAS Model: No Model

Parcel Number:

MAP SCALE 1" = 1000'

500 0 1000 2000

FEET

METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0130C

FIRM

FLOOD INSURANCE RATE MAP

DODDRIDGE COUNTY, WEST VIRGINIA AND INCORPORATED AREAS

PANEL 130 OF 325

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

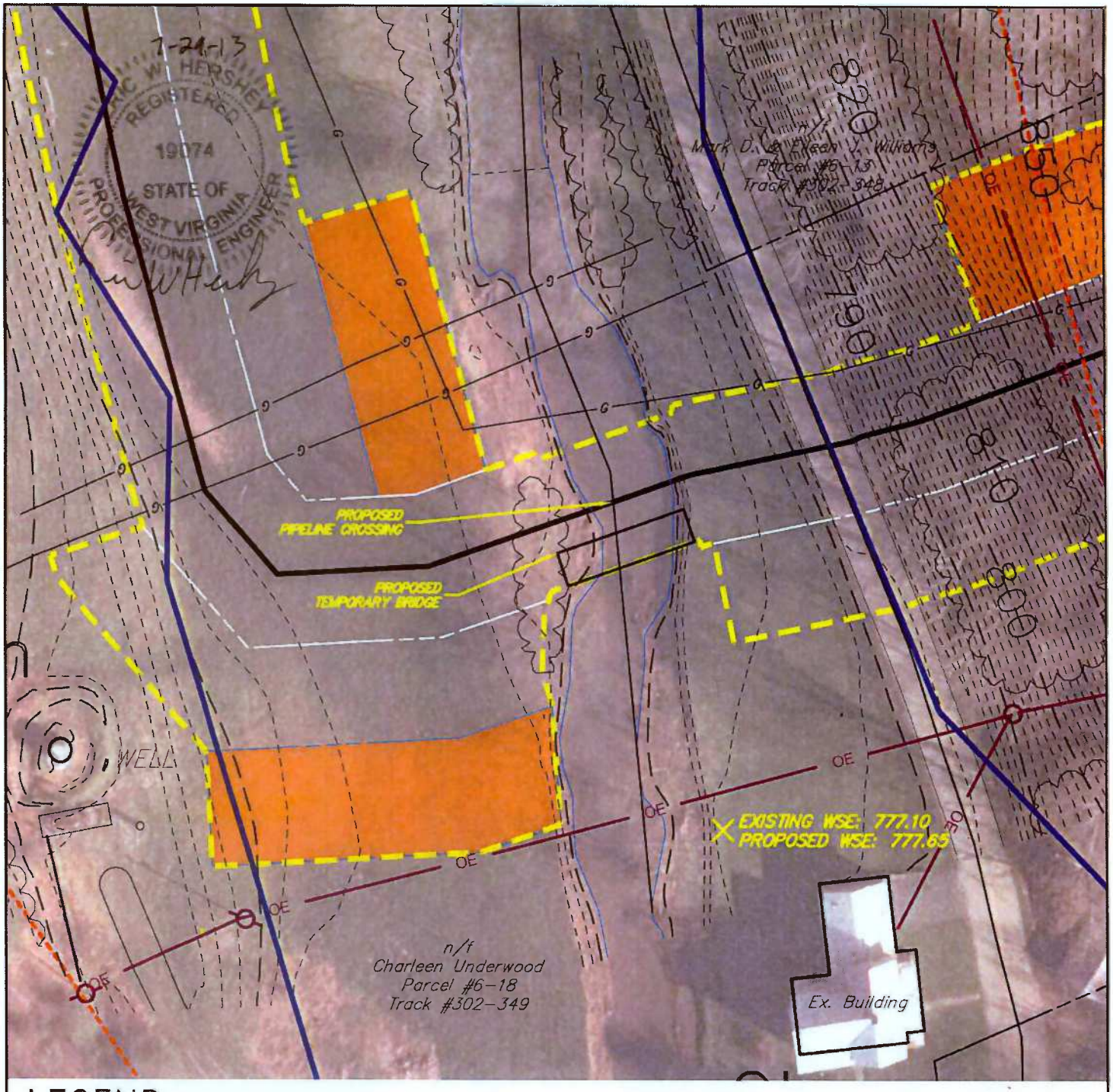
COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0130	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
54017C0130C

MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency



LEGEND

- EXISTING PARCEL BOUNDARY
- 500 EXISTING CONTOUR LINE
- EXISTING TREELINE
- EXISTING UTILITY POLE
- OE EXISTING OVERHEAD ELECTRIC
- G EXISTING GAS LINE
- EXISTING STREAM
- PROPOSED PIPELINE
- ACCESS DRIVE
- TEMPORARY WORKSPACE
- LIMITS OF DISTURBANCE
- 100-YEAR FEMA FLOODPLAIN
- PERMANENT EASEMENT

NORTH

GRAPHIC SCALE

C:_RettewVaultWIP\092612006-WG-100 Pipeline\Sheets\NS\Floodplain

FLOODPLAIN EXHIBIT FOR WG-100 PIPELINE

GRANT TAX DISTRICT — DODDRIDGE COUNTY, WV

RETTEW
RETTEW Associates, Inc.
3020 Columbia Ave., Lancaster, PA 17603
Phone (717) 394-3721 · Fax (717) 394-1063

DRAWN BY: JGJ
DATE: 7/29/2013
SCALE: 1" = 50'
DWG. NO. 092612006

RETTEW We answer to you.

FLOODPLAIN STUDY

FOR

FLINT RUN

DODDRIDGE COUNTY, WEST VIRGINIA
PROJECT NO. 092612006

Prepared by:

RETTEW ASSOCIATES, INC.
3020 Columbia Avenue
Lancaster, PA 17603

July 29, 2013

TABLE OF CONTENTS

BACKGROUND

The Flint Run temporary bridge crossing site is a proposed temporary bridge located on the west side of Big Flint Road (CR 3) in Doddridge County, WV. The purpose of this study is to establish the existing and proposed 100-year floodplain on the property in accordance with applicable local and state requirements.

FLOODPLAIN STUDY

HYDROLOGY

Flint Run generally flows from the south to the north of the property. The flow utilized for this flood study was computed using the equations developed in the USGS report *Estimation of Flood-Frequency Discharges for Rural, Unregulated Streams in West Virginia*. A 100-year flow of 3,612 cfs was used for the pre and post floodplain study. A watershed map showing the drainage area from the USGS mapping is included herein.

HYDRAULICS

The Corps of Engineers' HEC-RAS computer program, version 4.1, was utilized to establish water surface elevations for the 100-year flow. The average starting slopes for normal depth calculations were obtained from the USGS map for the stream.

The HEC-RAS cross sections through the properties were obtained from the 2-foot contour mapping. No detailed information was available for the temporary bridge therefore it was entered into the HEC-RAS model using the best available measurements.

The proposed condition floodplain study was run to show the increases in water surfaces will remain under 1 foot after the development is constructed. To model the encroachment in the floodplain, the proposed grading approach and bridge was input in to HEC-RAS.

The HEC-RAS input and output are contained herein, and include the summary tables, and the profile and cross section plots for both the existing and proposed floodplains.

Cross Section Water Surface Elevation Summary

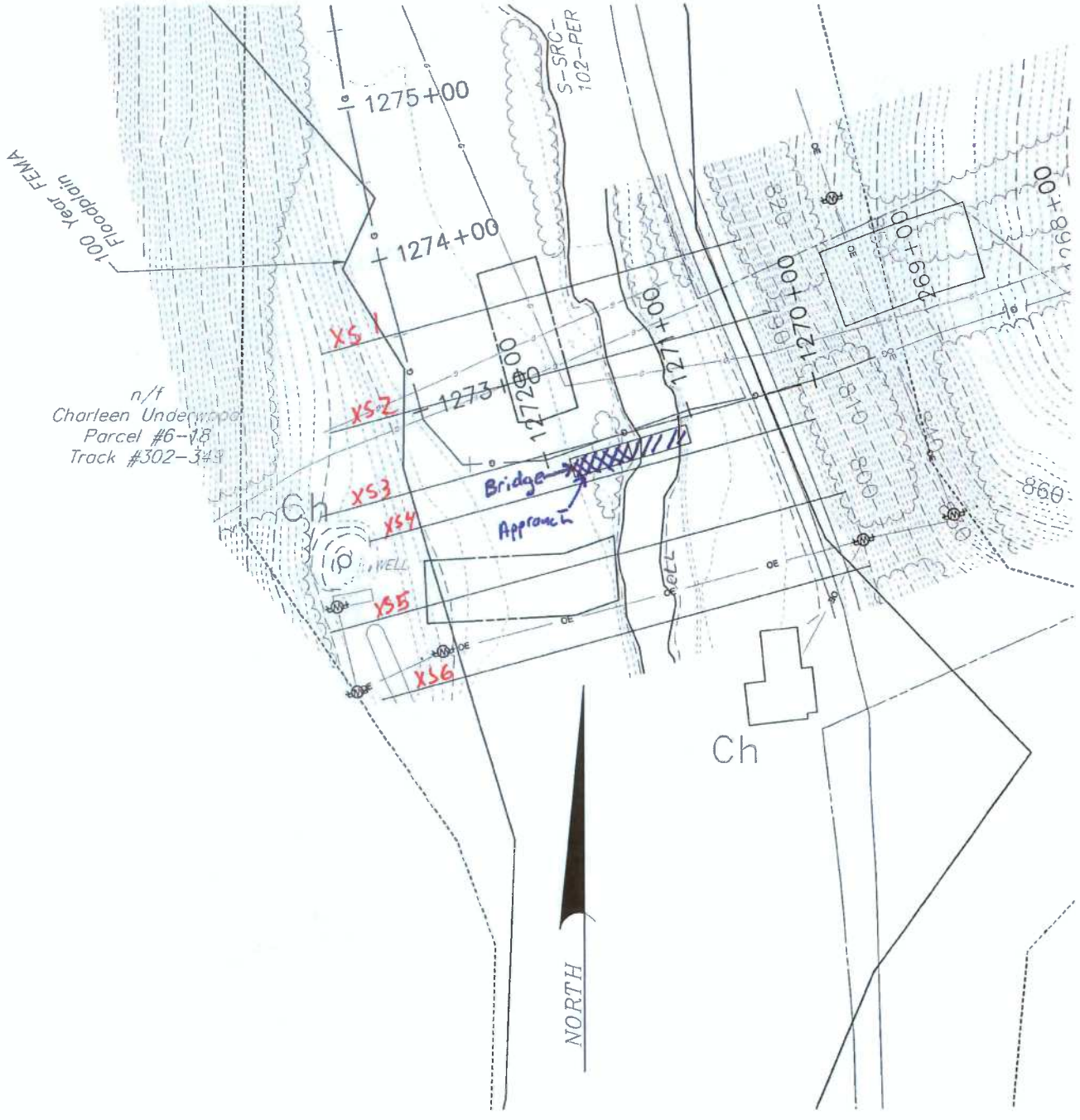
Cross Section	Existing WSE	Proposed WSE	Change
6	777.10	777.65	+0.55
5	776.72	777.45	+0.73
4	776.90	777.56	+0.66
3	776.71	777.05	+0.34
2	775.56	775.56	0
1	775.46	775.46	0

HEC-RAS River: Flint Run Reach: flint run Profile: PF 1

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
flint run	6	PF 1	existing	3612.00	768.70	777.10		777.99	0.002769	8.86	626.76	190.08	0.54
flint run	6	PF 1	prop	3612.00	768.70	777.65		778.29	0.001935	7.73	736.18	207.71	0.46
flint run	5	PF 1	existing	3612.00	768.60	776.72		777.82	0.003402	9.57	551.94	170.08	0.59
flint run	5	PF 1	prop	3612.00	768.60	777.45		778.18	0.002145	8.06	686.65	194.88	0.48
flint run	4	PF 1	existing	3612.00	768.40	776.90		777.55	0.001987	7.53	701.02	186.89	0.46
flint run	4	PF 1	prop	3612.00	768.40	777.56	774.01	778.02	0.001329	6.47	828.37	199.51	0.38
flint run	3	PF 1	existing	3612.00	768.40	776.71	775.47	777.48	0.002587	8.41	653.02	188.70	0.51
flint run	3	PF 1	prop	3612.00	768.40	777.05	775.46	777.68	0.002061	7.71	717.87	195.36	0.46
flint run	2	PF 1	existing	3612.00	768.20	775.56	775.56	777.21	0.005506	11.27	449.38	168.00	0.73
flint run	2	PF 1	prop	3612.00	768.20	775.56	775.56	777.21	0.005506	11.27	449.38	168.00	0.73
flint run	1	PF 1	existing	3612.00	768.10	775.46	774.68	776.64	0.004003	9.64	520.90	174.21	0.63
flint run	1	PF 1	prop	3612.00	768.10	775.46	774.68	776.64	0.004003	9.64	520.90	174.21	0.63

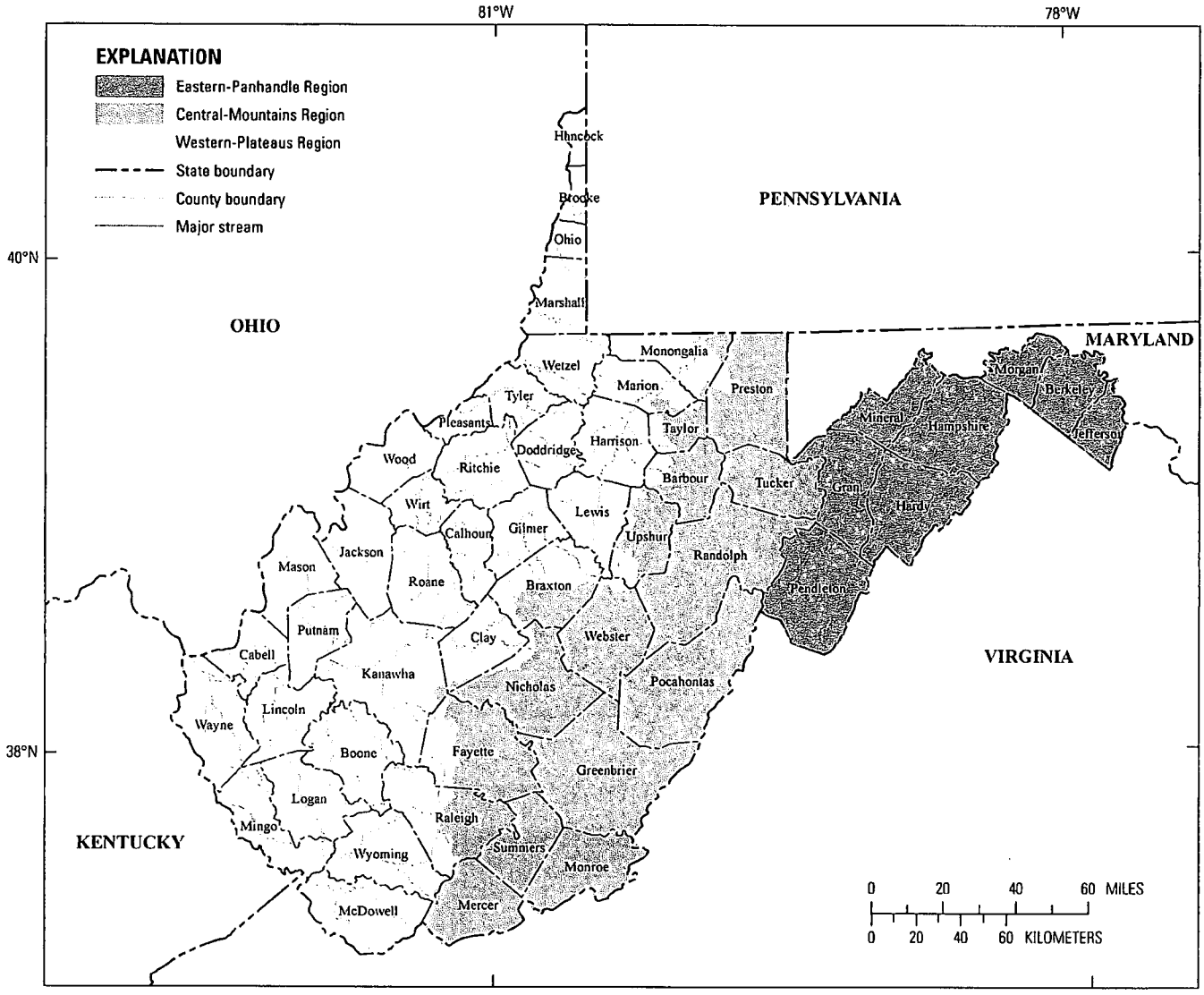
HEC-RAS River: Flint Run Reach: flint run Profile: PF 1

Reach	River Sta	Profile	Plan	E.G. Elev	W.S. Elev	Vel Head	Frctn Loss	C & E Loss	Q Left	Q Channel	Q Right	Top Width
				(ft)	(ft)	(ft)	(ft)	(ft)	(cfs)	(cfs)	(cfs)	(ft)
flint run	6	PF 1	existing	777.99	777.10	0.89	0.15	0.02	766.18	2468.99	376.83	190.08
flint run	6	PF 1	prop	778.29	777.65	0.64	0.10	0.01	922.63	2294.58	394.79	207.71
flint run	5	PF 1	existing	777.82	776.72	1.10	0.13	0.14	473.80	2661.61	476.59	170.08
flint run	5	PF 1	prop	778.18	777.45	0.73	0.08	0.08	646.34	2443.93	521.74	194.88
flint run	4	PF 1	existing	777.55	776.90	0.65	0.05	0.01	980.82	2449.47	181.72	186.89
flint run	4	PF 1	prop	778.02	777.56	0.46			1112.35	2268.80	230.85	199.51
flint run	3	PF 1	existing	777.48	776.71	0.77	0.18	0.09	1133.26	2330.35	148.39	188.70
flint run	3	PF 1	prop	777.68	777.05	0.63	0.16	0.31	1220.54	2222.96	168.50	195.36
flint run	2	PF 1	existing	777.21	775.56	1.66	0.23	0.14	563.64	2978.13	70.22	168.00
flint run	2	PF 1	prop	777.21	775.56	1.66	0.23	0.14	563.64	2978.13	70.22	168.00
flint run	1	PF 1	existing	776.64	775.46	1.18			533.56	2873.29	205.15	174.21
flint run	1	PF 1	prop	776.64	775.46	1.18			533.56	2873.29	205.15	174.21


100 Year FEMA Floodplain
1275+00
1274+00
1273+00
1272+00
1271+00
1270+00
1269+00
1268+00
S-SRC-102-PER
XS 1
XS 2
XS 3
XS 4
XS 5
XS 6
n/f
Charleen Underwood
Parcel #6-18
Track #302-3#3
Bridge
Approach
Ch
WELL
OE
NORTH
1" = 100'

APPENDIX

FLOW CALCULATIONS



Base from U.S. Geological Survey 1:100,000 digital line graphics for state boundaries and streams and from the West Virginia Department of Environmental Protection 1:24,000 digital data for county boundaries. Universal Transverse Mercator projection, zone 17, NAD 83.

Figure 4. The Eastern Panhandle, Central Mountains, and Western Plateaus Regions of West Virginia for which equations for estimation of flood frequency discharges were developed in this study.

Table 4. Equations used to estimate selected flood-frequency discharges for streams in the Eastern Panhandle, Central Mountains, and Western Plateaus Regions of West Virginia.

[PK(n_n), peak discharge in cubic feet per second for the (n.n)-year recurrence interval; PK(n), peak discharge in cubic feet per second for the (n)-year recurrence interval; %, percent; AOP, annual-occurrence probability; DRNAREA, drainage area in square miles]

Equation	Standard error of the model, in percent	Average standard error of sampling, in percent	Average prediction error, in percent	Equivalent years of record, unitless
Eastern Panhandle Region (Range in DRNAREA from 0.21 to 1,461 for 57 streamgage stations)				
PK1_1(90%AOP) = 29.6 DRNAREA $^{0.818}$	43.4	10.3	44.8	3.4
PK1_5(67%AOP) = 46.4 DRNAREA $^{0.828}$	35.7	8.9	36.9	3.3
PK2(50%AOP) = 59.8 DRNAREA $^{0.832}$	32.1	8.6	33.4	4.1
PK5(20%AOP) = 105 DRNAREA $^{0.838}$	25.6	8.9	27.2	10.6
PK10(10%AOP) = 145 DRNAREA $^{0.842}$	22.5	9.5	24.5	19.1
PK25(4%AOP) = 204 DRNAREA $^{0.848}$	19.7	10.3	22.4	34.1
PK50(2%AOP) = 254 DRNAREA $^{0.852}$	18.6	11.1	21.7	46.1
PK100(1%AOP) = 307 DRNAREA $^{0.855}$	18.3	11.6	21.7	56.7
PK200(0.5%AOP) = 365 DRNAREA $^{0.859}$	18.4	12.4	22.4	64.7
PK500(0.2%AOP) = 447 DRNAREA $^{0.864}$	19.4	13.5	23.8	70.9
Central Mountains Region (Range in DRNAREA from 0.10 to 1,619 for 83 streamgage stations)				
PK1_1(90%AOP) = 33.4 DRNAREA $^{0.914}$	40.0	8.3	41.0	2.4
PK1_5(67%AOP) = 53.8 DRNAREA $^{0.887}$	34.6	7.3	35.4	2.0
PK2(50%AOP) = 69.4 DRNAREA $^{0.873}$	33.4	7.3	34.2	2.1
PK5(20%AOP) = 116 DRNAREA $^{0.845}$	34.1	8.0	35.1	3.2
PK10(10%AOP) = 153 DRNAREA $^{0.831}$	36.3	8.6	37.4	4.0
PK25(4%AOP) = 206 DRNAREA $^{0.816}$	39.9	9.8	41.2	4.8
PK50(2%AOP) = 250 DRNAREA $^{0.807}$	42.9	10.6	44.4	5.3
PK100(1%AOP) = 297 DRNAREA $^{0.800}$	46.2	11.3	47.9	5.6
PK200(0.5%AOP) = 347 DRNAREA $^{0.793}$	49.7	12.0	51.5	5.9
PK500(0.2%AOP) = 420 DRNAREA $^{0.785}$	54.3	13.1	56.3	6.1
Western Plateaus Region (Range in DRNAREA from 0.13 to 1,516 for 106 streamgage stations)				
PK1_1(90%AOP) = 56.9 DRNAREA $^{0.763}$	38.2	7.6	39.1	3.8
PK1_5(67%AOP) = 97.8 DRNAREA $^{0.741}$	33.4	6.5	34.1	2.8
PK2(50%AOP) = 129 DRNAREA $^{0.730}$	31.6	6.1	32.2	2.8
PK5(20%AOP) = 221 DRNAREA $^{0.710}$	29.3	6.5	30.0	4.4
PK10(10%AOP) = 292 DRNAREA $^{0.699}$	28.9	6.5	29.7	5.9
PK25(4%AOP) = 391 DRNAREA $^{0.688}$	29.4	7.3	30.3	7.9
PK50(2%AOP) = 472 DRNAREA $^{0.681}$	30.2	7.6	31.3	9.1
PK100(1%AOP) = 557 DRNAREA $^{0.674}$	31.4	8.0	32.5	10.1
PK200(0.5%AOP) = 647 DRNAREA $^{0.668}$	32.7	8.3	33.9	10.8
PK500(0.2%AOP) = 775 DRNAREA $^{0.661}$	34.8	8.9	36.1	11.4

$557(16.02\ \text{sq mi})^{0.674} = 3,612\ \text{cfs}$

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Prepared in cooperation with the West Virginia Department of Transportation, Division of Highways

Estimation of Flood-Frequency Discharges for Rural, Unregulated Streams in West Virginia

Scientific Investigations Report 2010–5033

U.S. Department of the Interior
U.S. Geological Survey

Estimation of Flood-Frequency Discharges for Rural, Unregulated Streams in West Virginia

By Jeffrey B. Wiley and John T. Atkins, Jr.

Prepared in cooperation with the West Virginia Department of Transportation, Division of Highways

Scientific Investigations Report 2010–5033

U.S. Department of the Interior
U.S. Geological Survey

U.S. Department of the Interior
KEN SALAZAR, Secretary

U.S. Geological Survey
Marcia K. McNutt, Director

U.S. Geological Survey, Reston, Virginia: 2010

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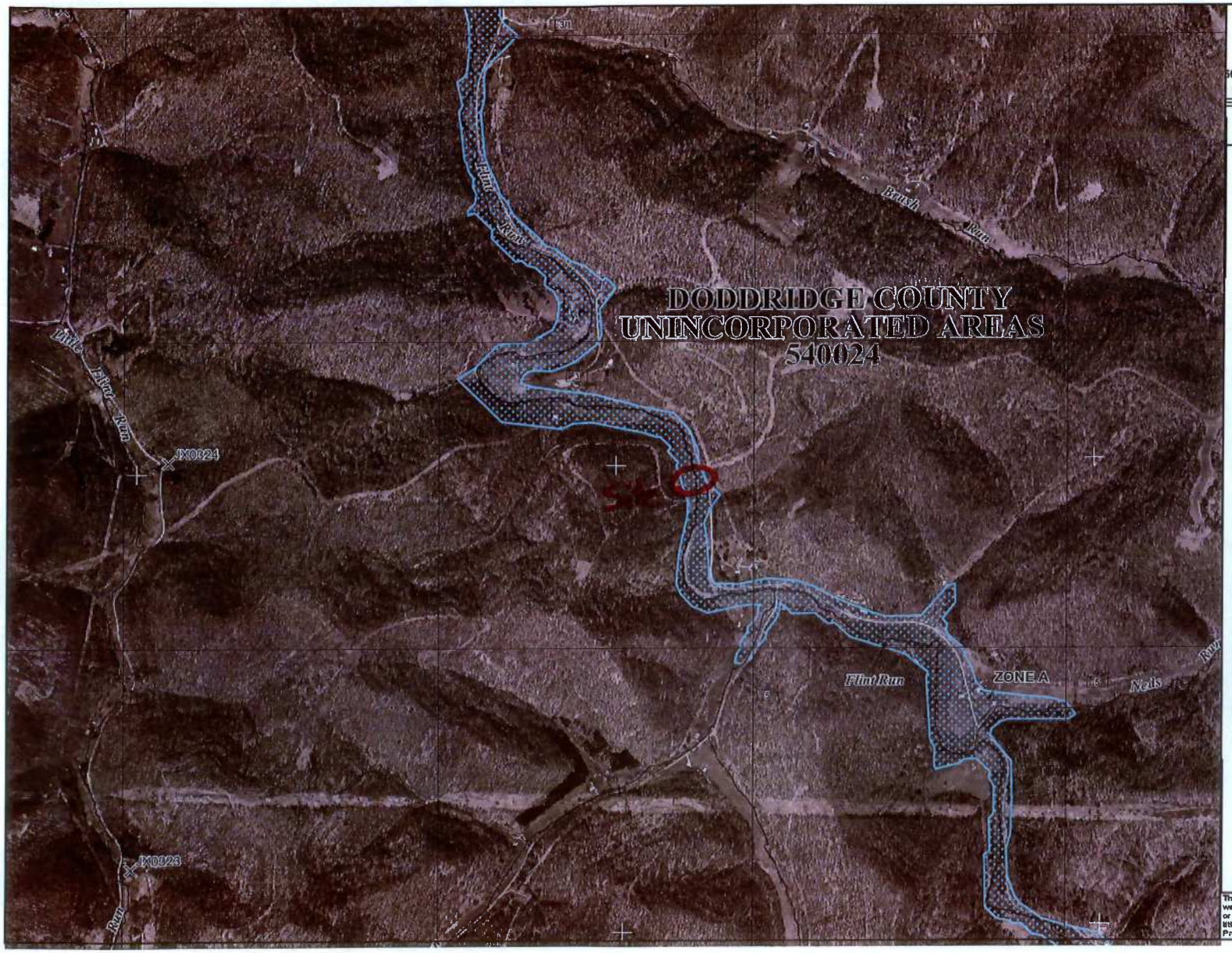
Wiley, J.B., and Atkins, J.T., Jr., 2010, Estimation of flood-frequency discharges for rural, unregulated streams in West Virginia: U.S. Geological Survey Scientific Investigations Report 2010–5033, 78 p.

ISBN 978-1-4113-2769-6



MAP SCALE 1" = 1000'

500 0 1000 2000

FEET

METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0130C

FIRM

FLOOD INSURANCE RATE MAP

DODDRIDGE COUNTY, WEST VIRGINIA AND INCORPORATED AREAS

PANEL 130 OF 325

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DODDRIDGE COUNTY	540024	0130	C

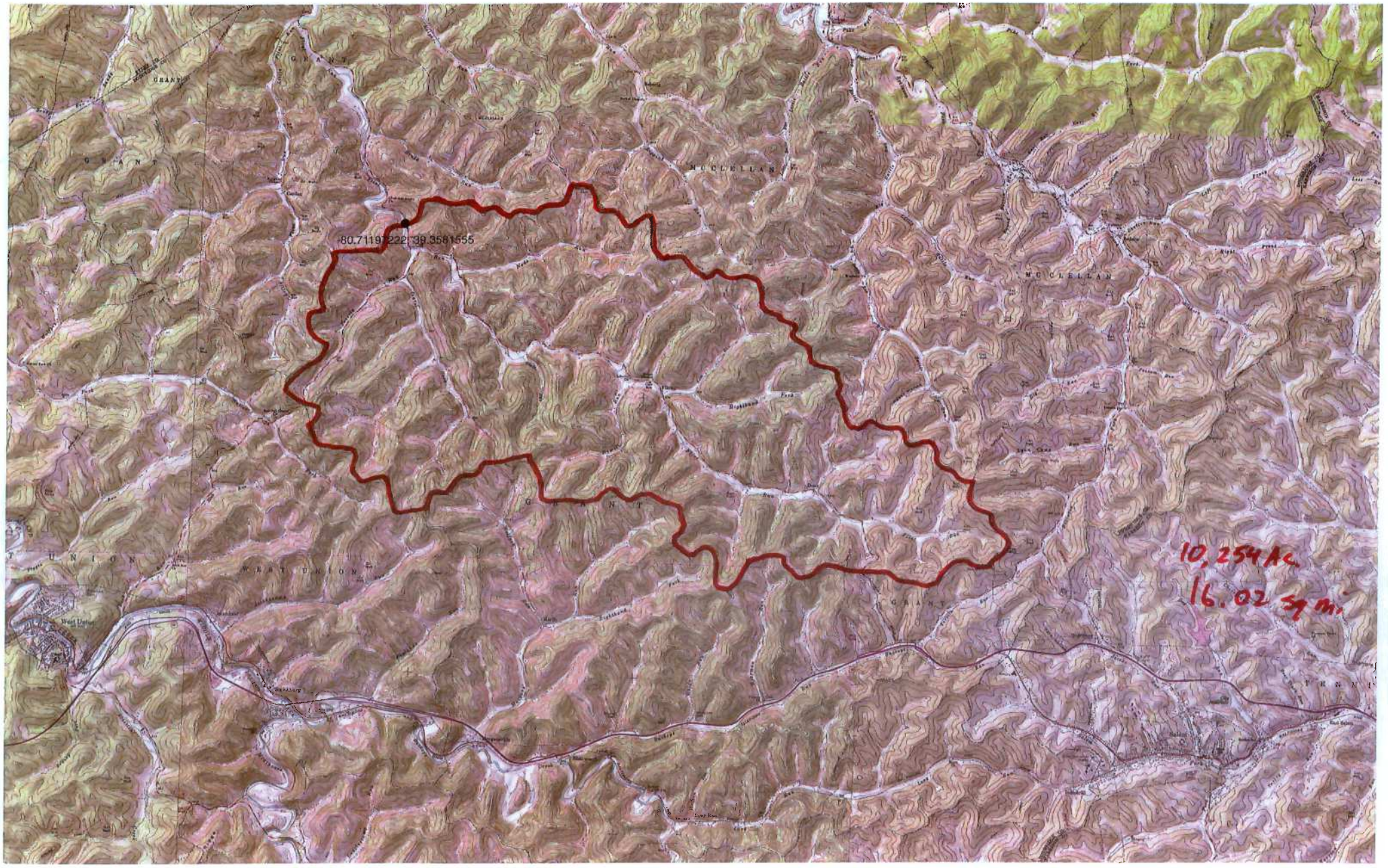
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
54017C0130C

MAP REVISED
OCTOBER 4, 2011

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov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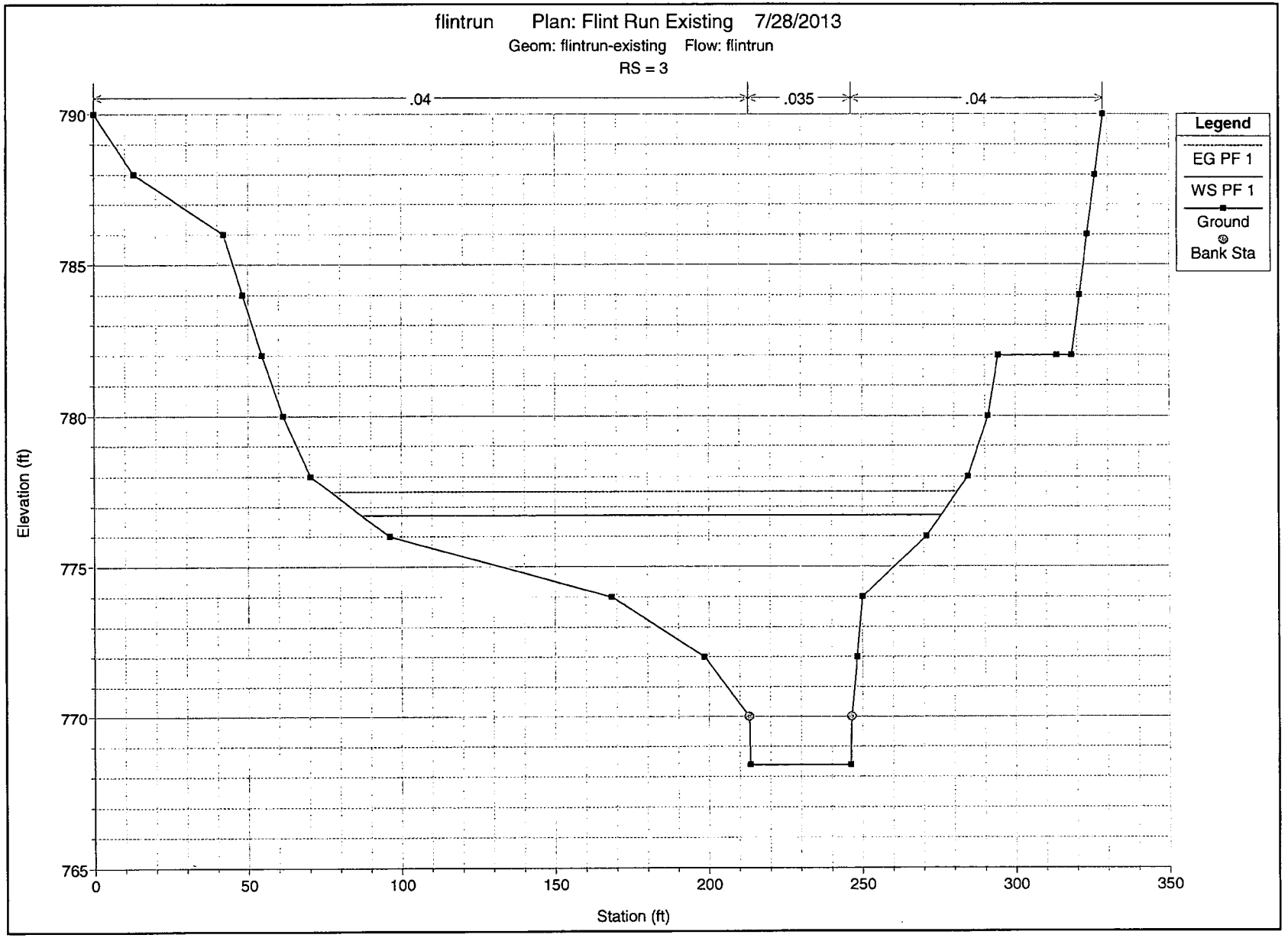
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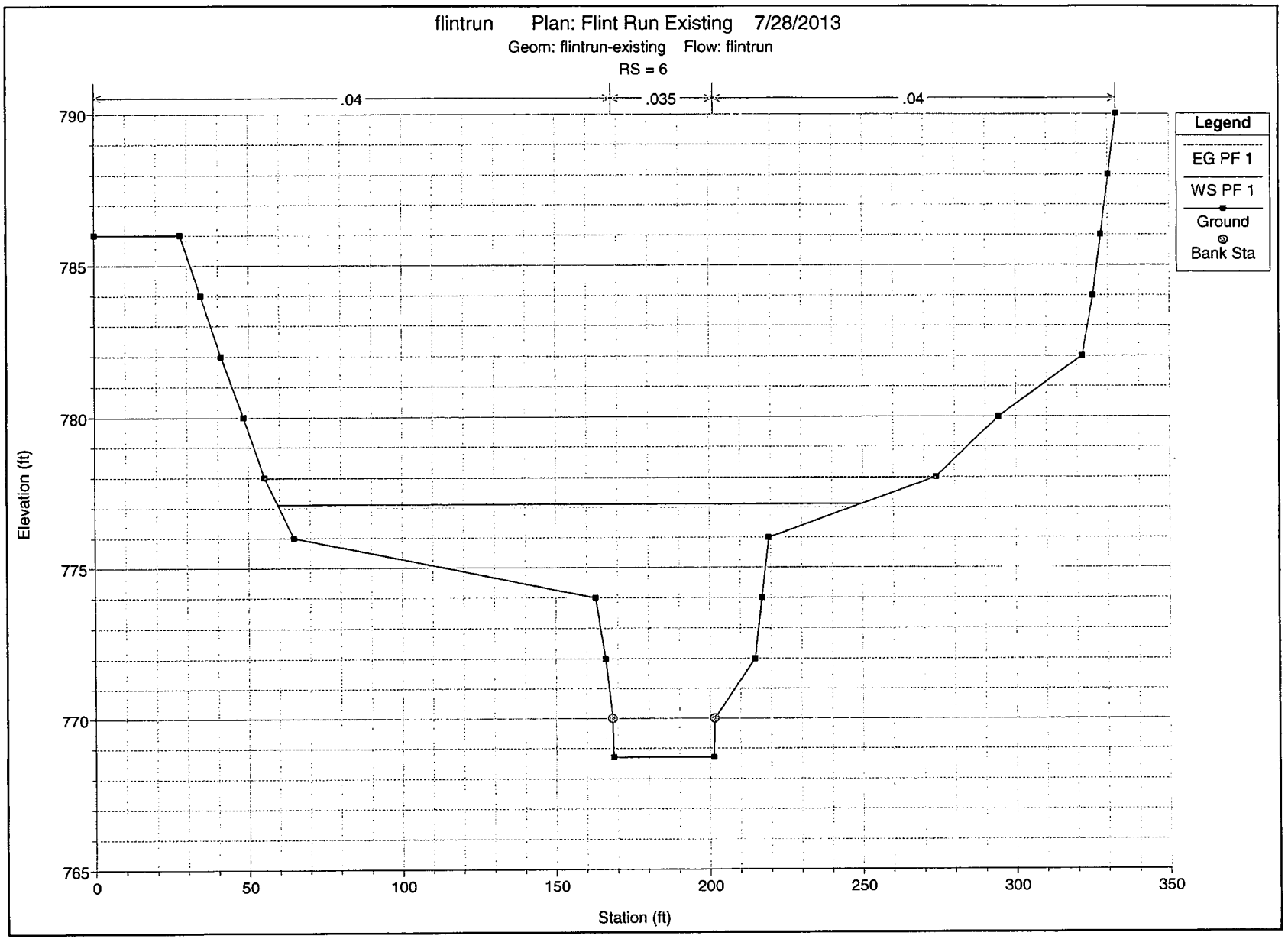
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)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Geom: flintrun-existing Flow: flintrun
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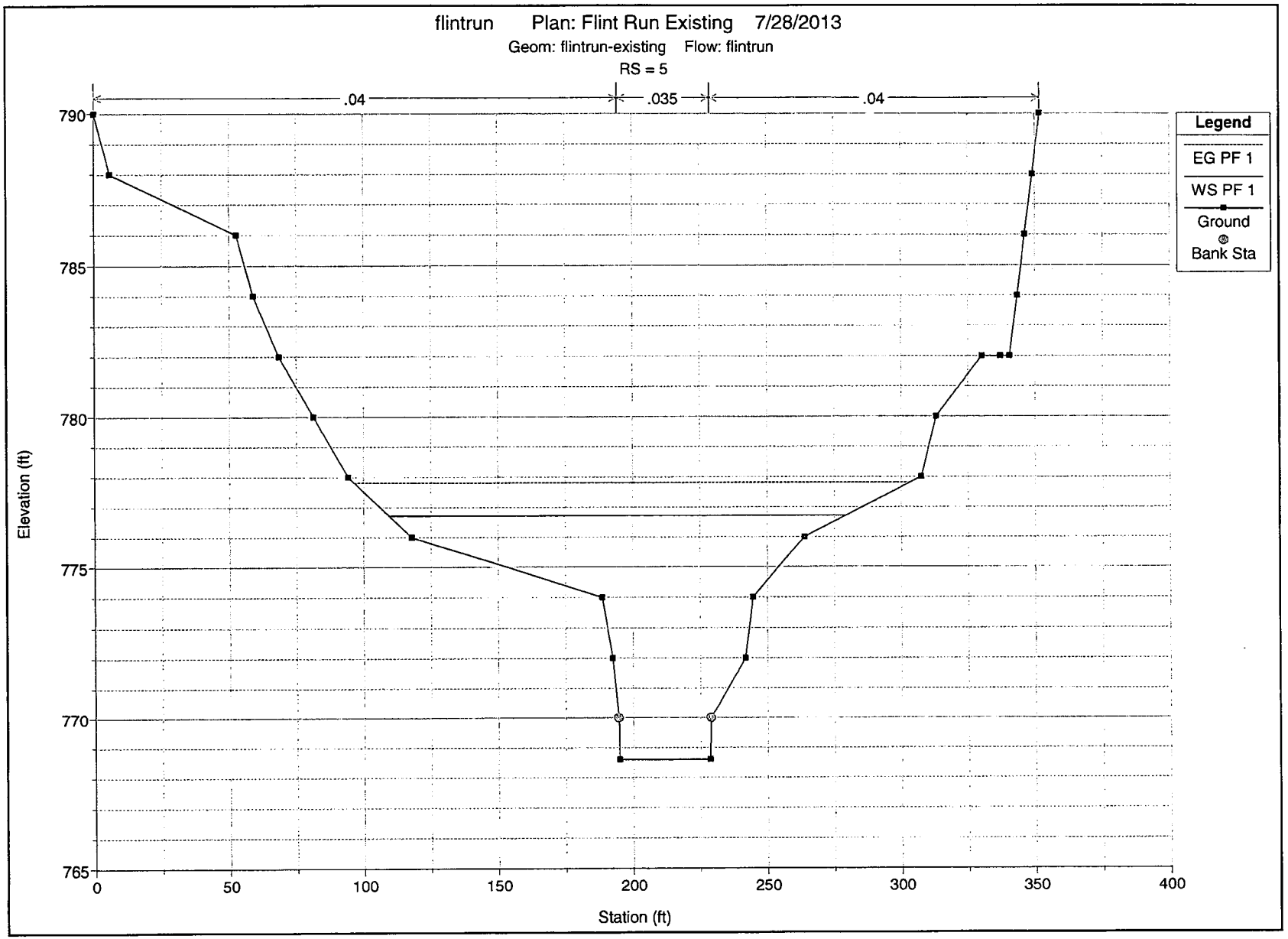
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)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Geom: flintrun-existing Flow: flintrun
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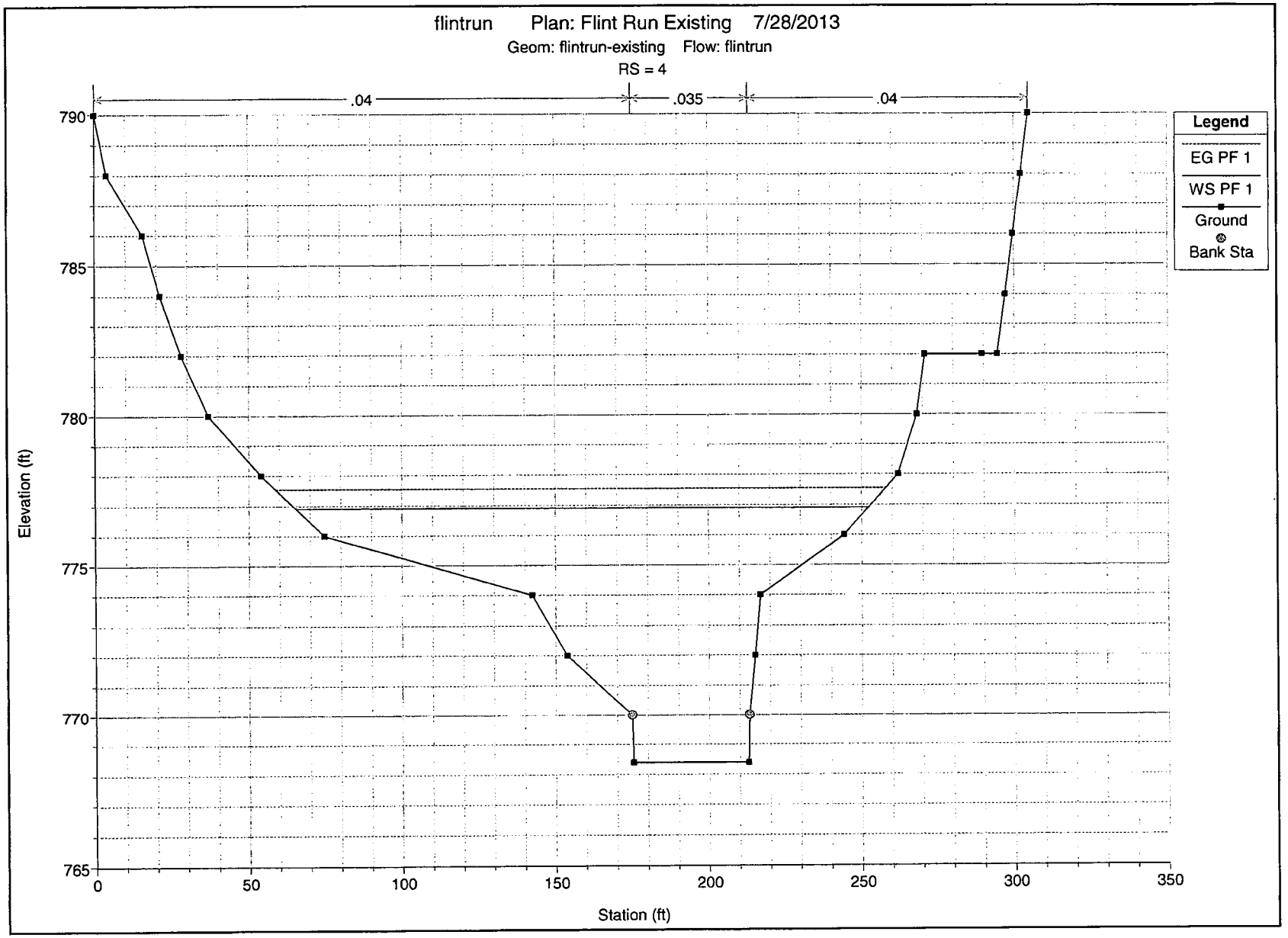
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
400
Station (ft)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Geom: flintrun-existing Flow: flintrun
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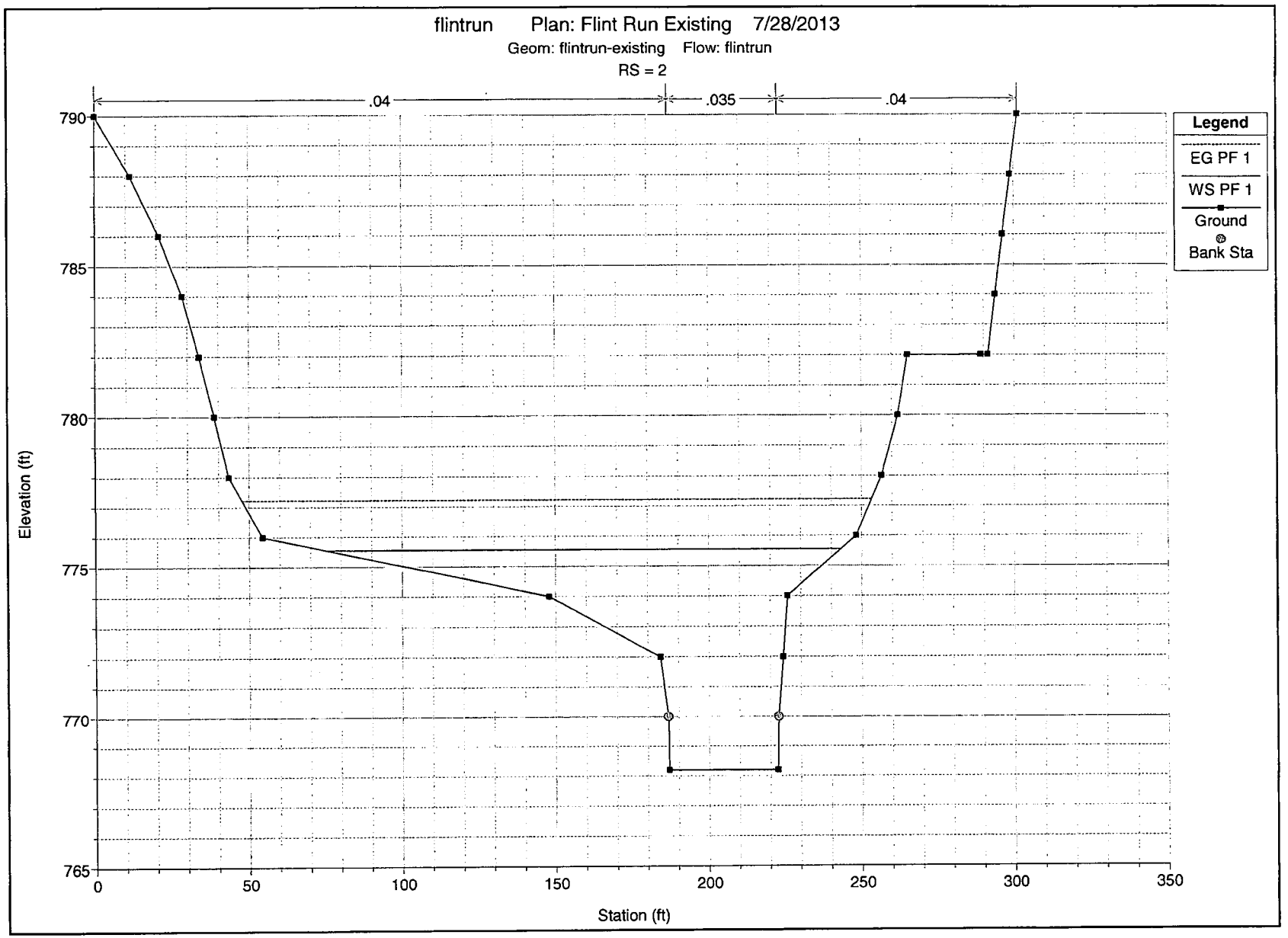
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)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Geom: flintrun-existing Flow: flintrun
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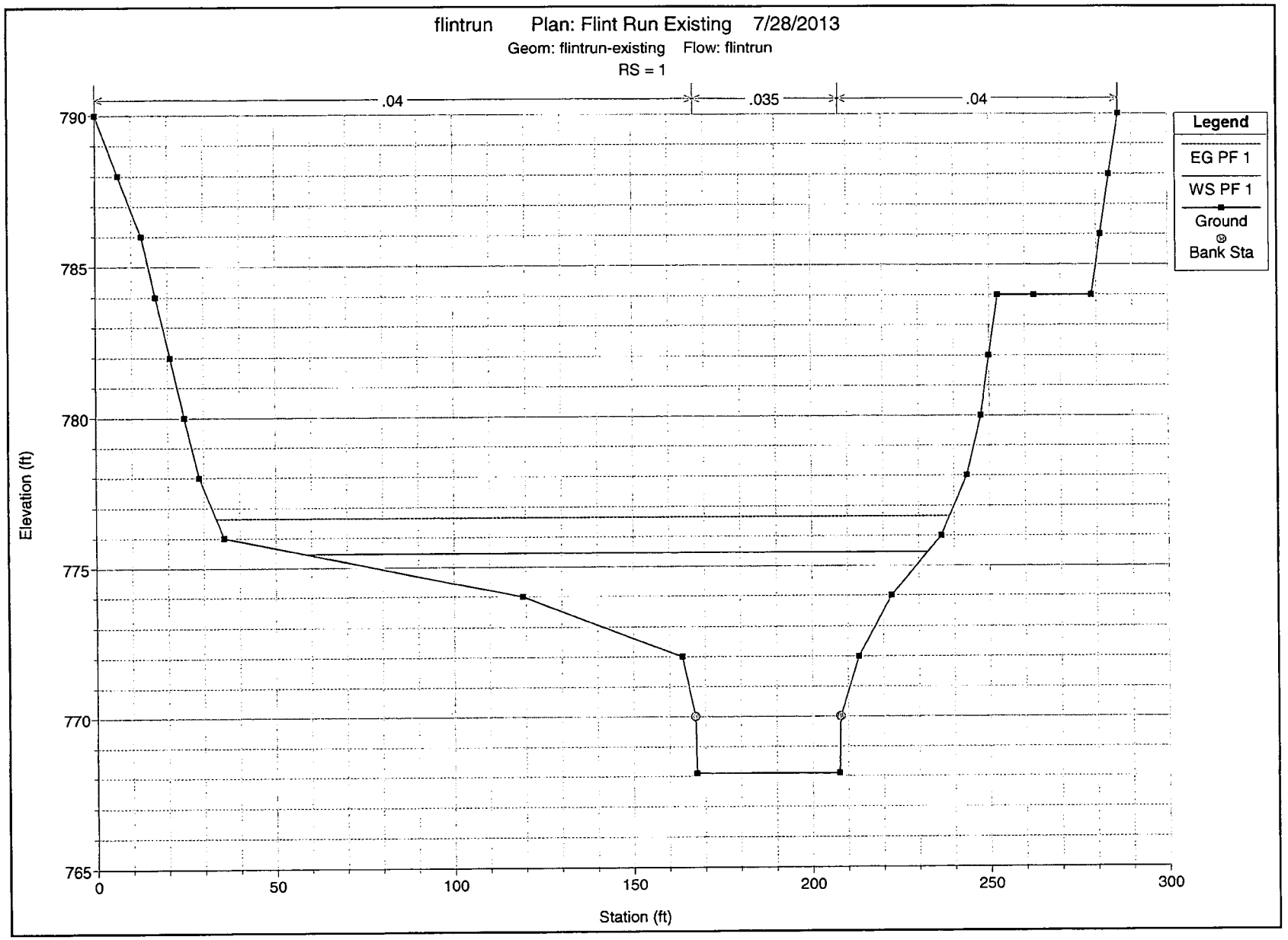
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)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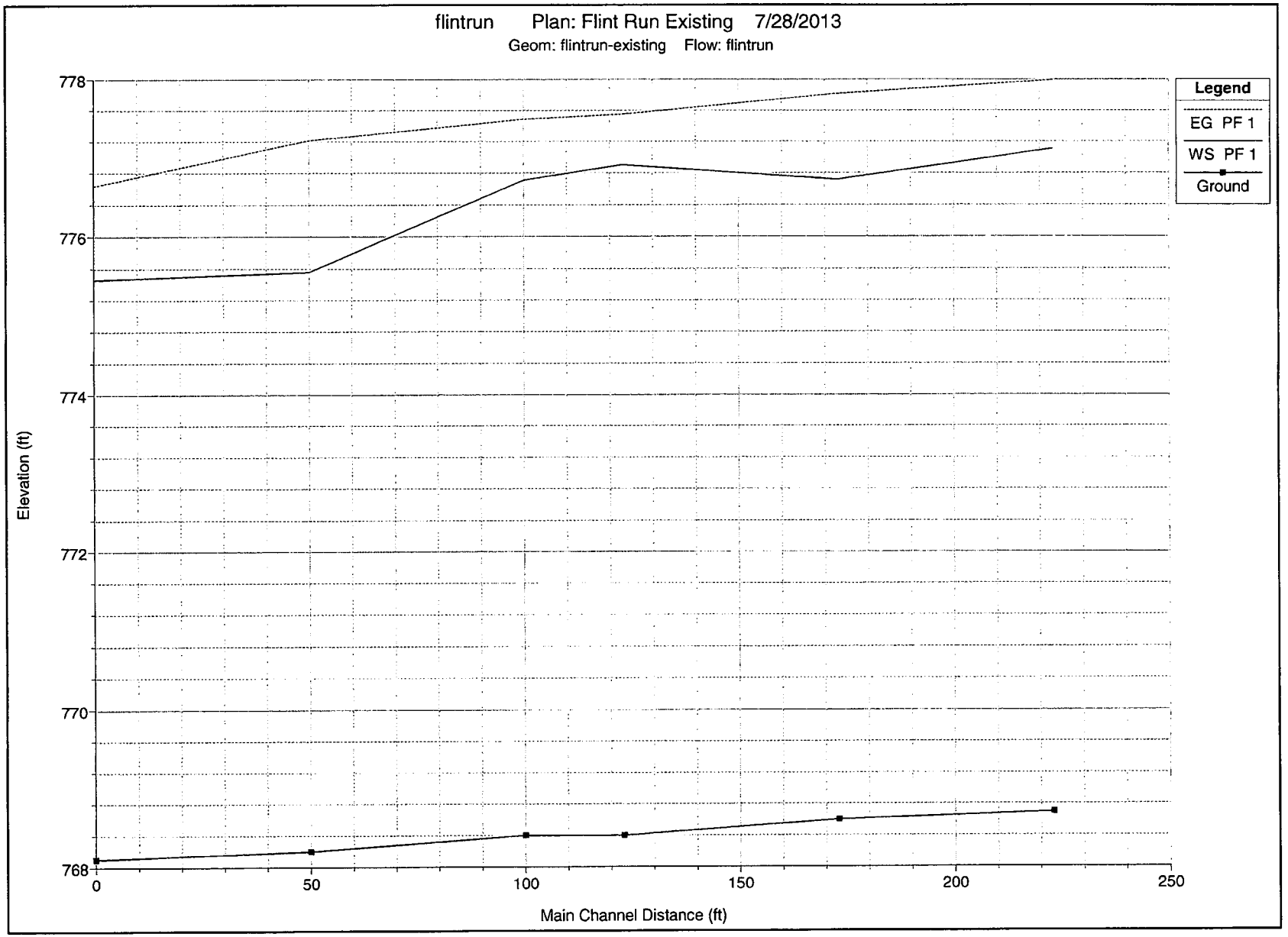
Geom: flintrun-existing Flow: flintrun
RS = 1
.04
.035
.04
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
Station (ft)
Legend
EG PF 1
WS PF 1
Ground
Bank Sta


flintrun Plan: Flint Run Existing 7/28/2013
Geom: flintrun-existing Flow: flintrun
Legend
EG PF 1
WS PF 1
Ground
778
776
774
772
770
768
Elevation (ft)
0
50
100
150
200
250
Main Channel Distance (ft)

flintrun.rep

HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

```
X     X  XXXXXX    XXXX        XXXX       XX      XXXX
X     X  X        X    X      X   X     X  X     X
X     X  X        X           X   X    X    X    X
XXXXXXX  XXXX     X       XXX  XXXX     XXXXXX    XXXX
X     X  X        X           X  X      X    X        X
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PROJECT DATA
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Project File : flintrun.prj
Run Date and Time: 7/28/2013 11:43:23 AM

Project in English units

PLAN DATA

Plan Title: Flint Run Existing
Plan File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.p01

Geometry Title: flintrun-existing
Geometry File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.g01

Flow Title : flintrun
Flow File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.f01

Plan Summary Information:

Number of:	Cross Sections	= 6	Multiple Openings	=	0
	Culverts	= 0	Inline Structures	=	0
	Bridges	= 0	Lateral Structures	=	0

Computational Information

Water surface calculation tolerance	= 0.01
Critical depth calculation tolerance	= 0.01
Maximum number of iterations	= 20
Maximum difference tolerance	= 0.3
Flow tolerance factor	= 0.001

Computation Options
Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

FLOW DATA

Flow Title: flintrun

Flow File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.f01

Flow Data (cfs)

River	Reach	RS	PF 1
Flint Run	flint run	6	3612

Boundary Conditions

River	Reach	Profile	Upstream
Downstream			
Flint Run	flint run	PF 1	

Normal S = 0.004

GEOMETRY DATA

Geometry Title: flintrun-existing
Geometry File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.g01

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 6

INPUT
Description:
Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	786	27.9	786	34.5	784	41.1	782	48.4	780
55.2	778	64.7	776	162.9	774	166.1	772	168.3	770
168.6	768.7	201.2	768.7	201.5	770	214.8	772	217.1	774
219.4	776	274	778	294.4	780	321.7	782	325.2	784
327.8	786	330.3	788	332.8	790				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	168.3	.035	201.5	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
168.3	201.5	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 5

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	5.9	788	52.8	786	59	784	68.5	782
81.4	780	94.3	778	117.9	776	188.6	774	192.5	772
194.6	770	194.9	768.6	228.6	768.6	228.9	770	241.8	772

244.7	774	263.9	776	307.5	778	313.1	780	330.2	782
337.1	782	340.5	782	343.4	784	346.2	786	349.1	788
351.8	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	194.6	.035	228.9	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
194.6	228.9	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 4

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	3.9	788	15.6	786	21.2	784	28.1	782
36.9	780	54.1	778	74.7	776	142.5	774	153.8	772
174.9	770	175.2	768.4	212.9	768.4	213.2	770	215.1	772
216.9	774	244.3	776	262	778	268.1	780	270.8	782
289.5	782	294.5	782	297.1	784	299.6	786	302.2	788
304.7	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	174.9	.035	213.2	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
174.9	213.2	23	23	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 3

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	12.9	788	42.1	786	48.3	784	54.6	782
61.4	780	70.4	778	96.2	776	168.4	774	198.6	772
213.1	770	213.4	768.4	246.2	768.4	246.5	770	248.3	772
250.1	774	270.9	776	284.5	778	291.1	780	294.4	782
313.5	782	318.3	782	320.9	784	323.4	786	325.9	788
328.5	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	213.1	.035	246.5	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
213.1	246.5	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run

REACH: flint run RS: 2

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	11.4	788	20.8	786	28.4	784	33.8	782
38.7	780	43.4	778	54.4	776	147.9	774	184.1	772
186.7	770	187	768.2	222.4	768.2	222.7	770	224.2	772
225.7	774	248.2	776	256.6	778	262	780	265.2	782
289.1	782	291.5	782	293.9	784	296.3	786	298.75	788
301.2	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	186.7	.035	222.7	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
186.7	222.7	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 1

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	6.3	788	12.8	786	16.7	784	20.7	782
24.6	780	28.7	778	35.6	776	119.2	774	163.7	772
167.3	770	167.6	768.1	207.6	768.1	207.9	770	213.1	772
222.3	774	236.4	776	243.6	778	247.6	780	249.9	782
252.4	784	262.6	784	278.7	784	281.2	786	283.7	788
286.3	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	167.3	.035	207.9	.04

Bank Sta: Left	Right	Coeff Contr.	Expan.
167.3	207.9	.1	.3

SUMMARY OF MANNING'S N VALUES

River:Flint Run

Reach	River Sta.	n1	n2	n3
flint run	6	.04	.035	.04
flint run	5	.04	.035	.04
flint run	4	.04	.035	.04
flint run	3	.04	.035	.04
flint run	2	.04	.035	.04
flint run	1	.04	.035	.04

SUMMARY OF REACH LENGTHS

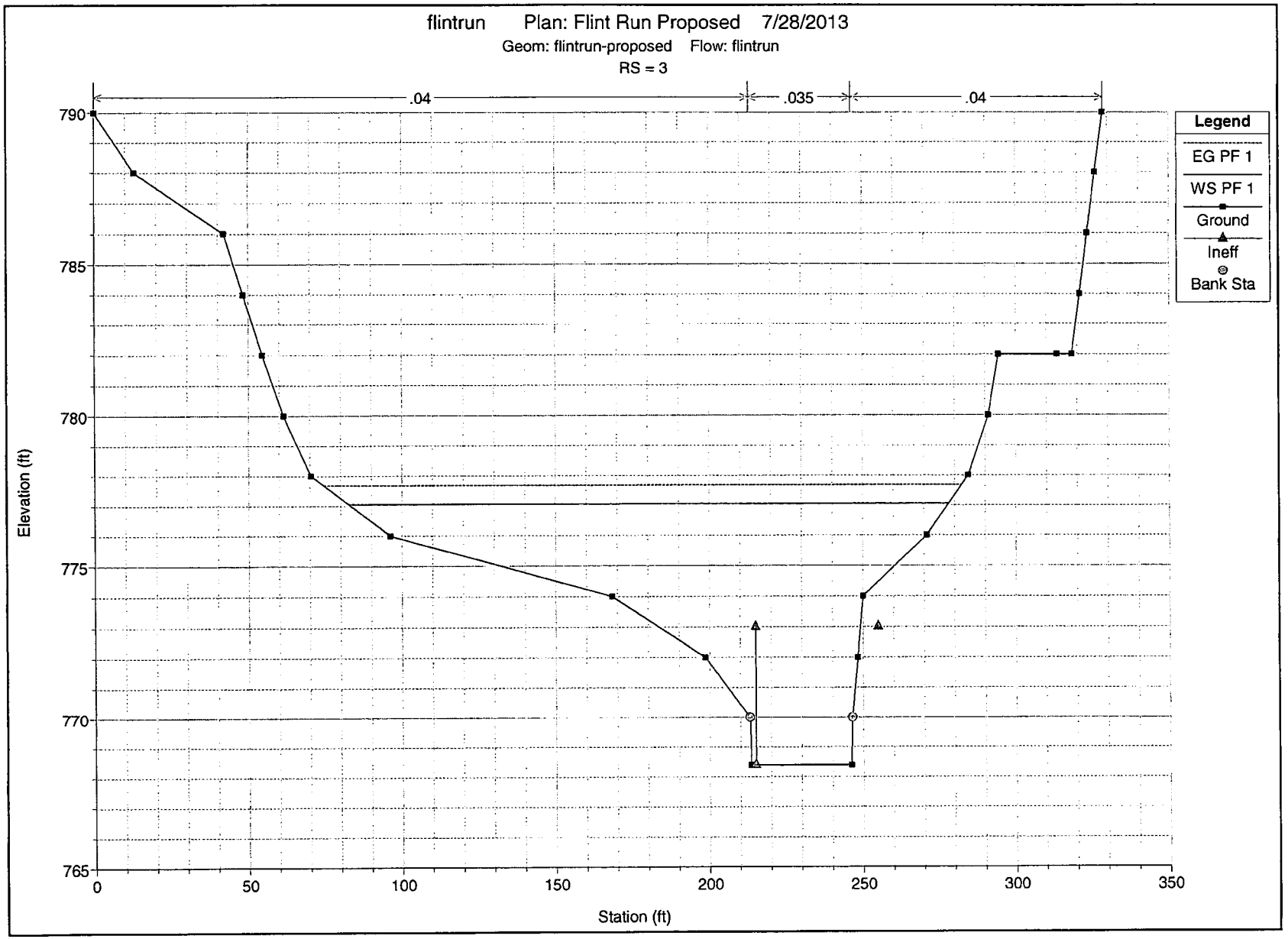
River: Flint Run

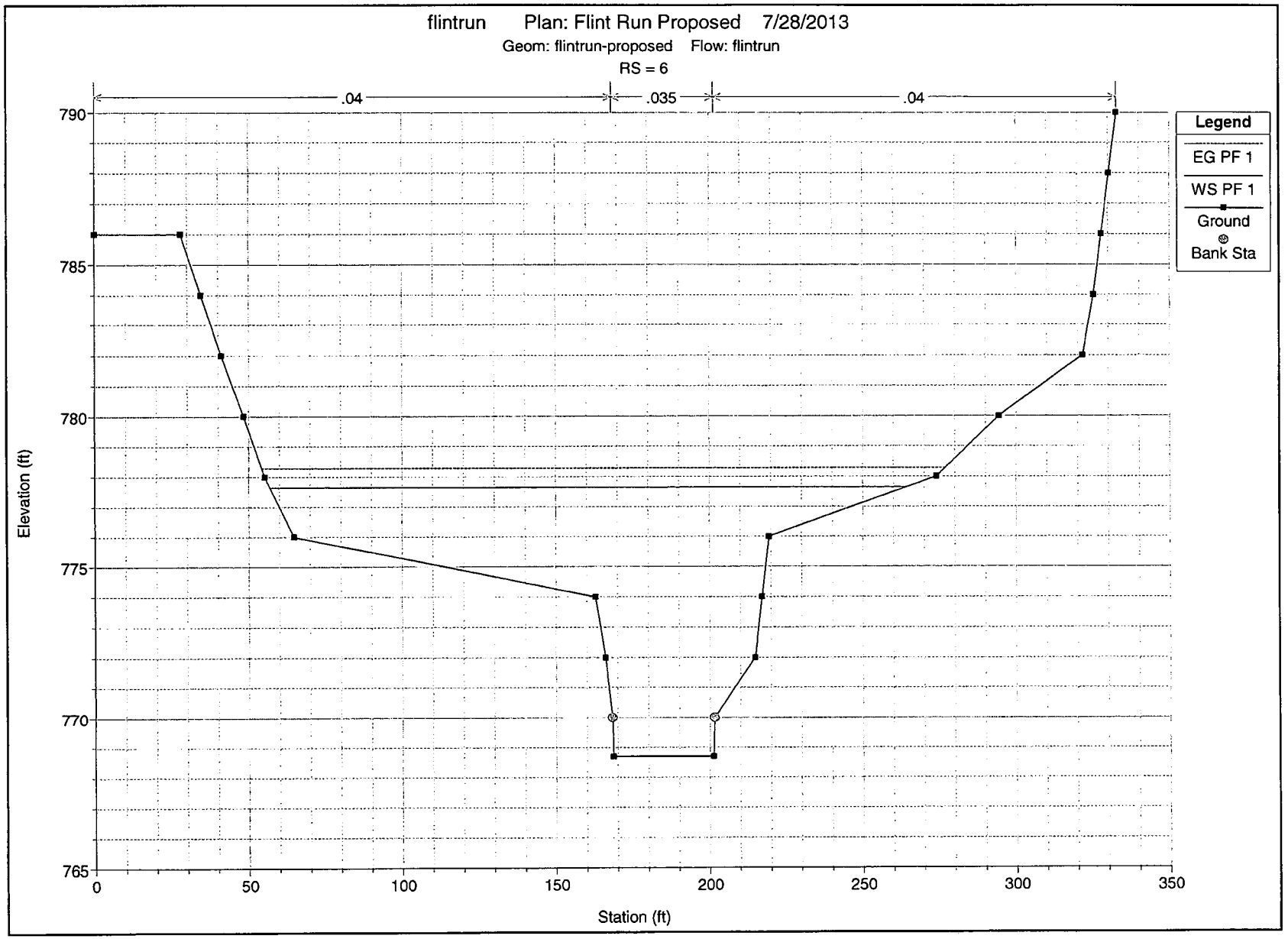
Reach	River Sta.	Left	Channel	Right
flint run	6	50	50	50
flint run	5	50	50	50
flint run	4	23	23	23
flint run	3	50	50	50
flint run	2	50	50	50
flint run	1			

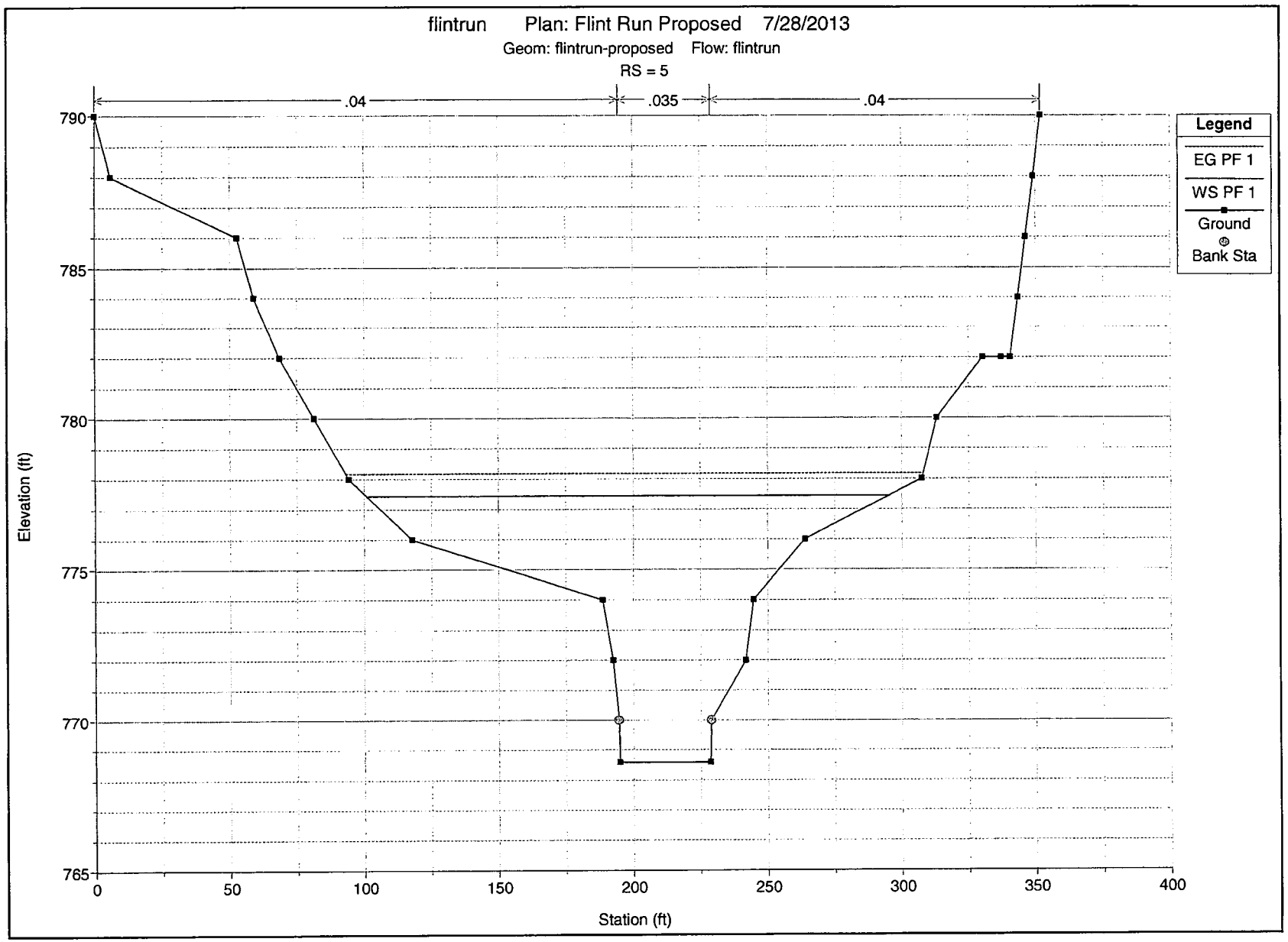
SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: Flint Run

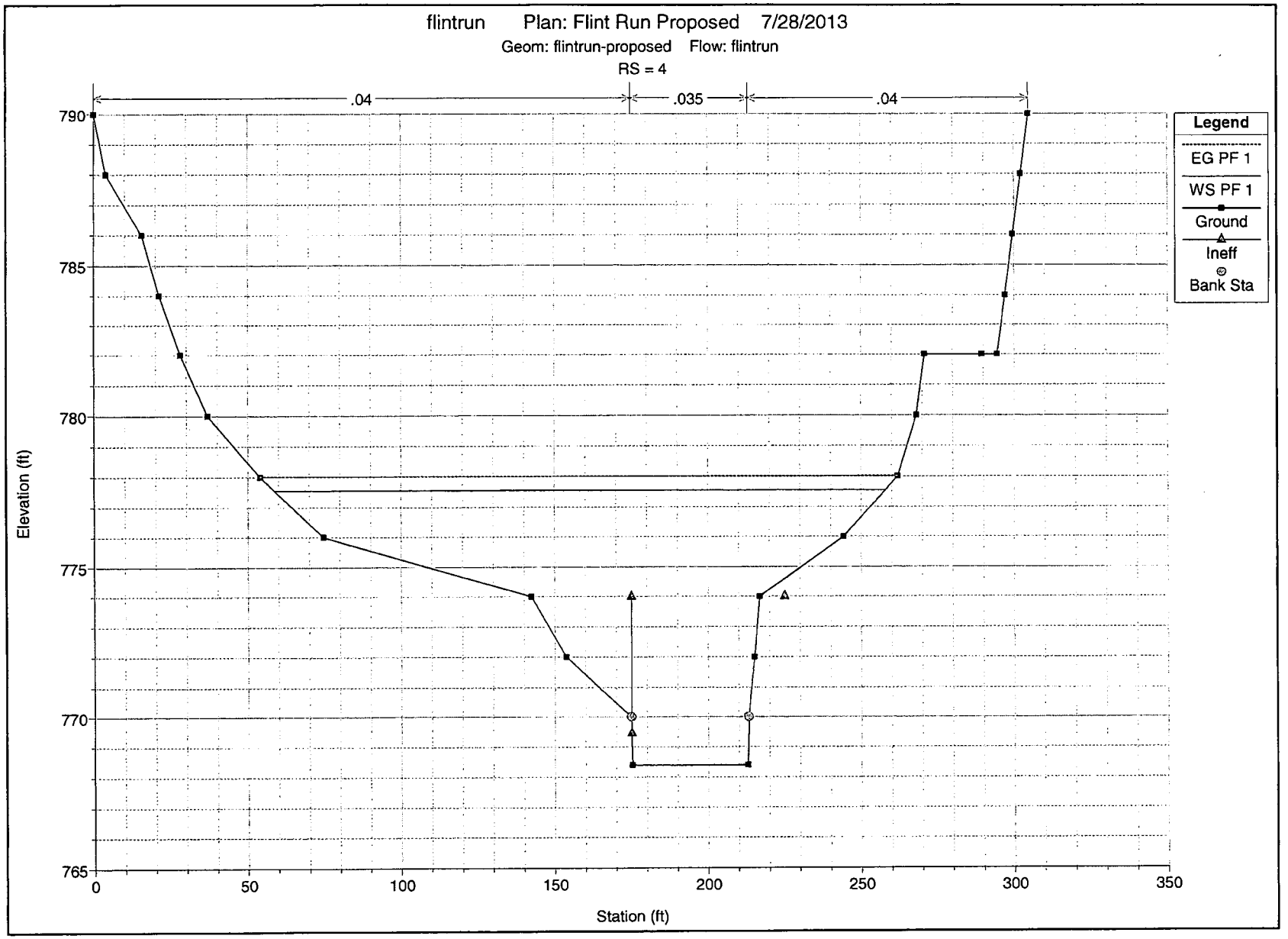
Reach	River Sta.	Contr.	Expan.
flint run	6	.1	.3
flint run	5	.1	.3
flint run	4	.1	.3
flint run	3	.1	.3
flint run	2	.1	.3
flint run	1	.1	.3

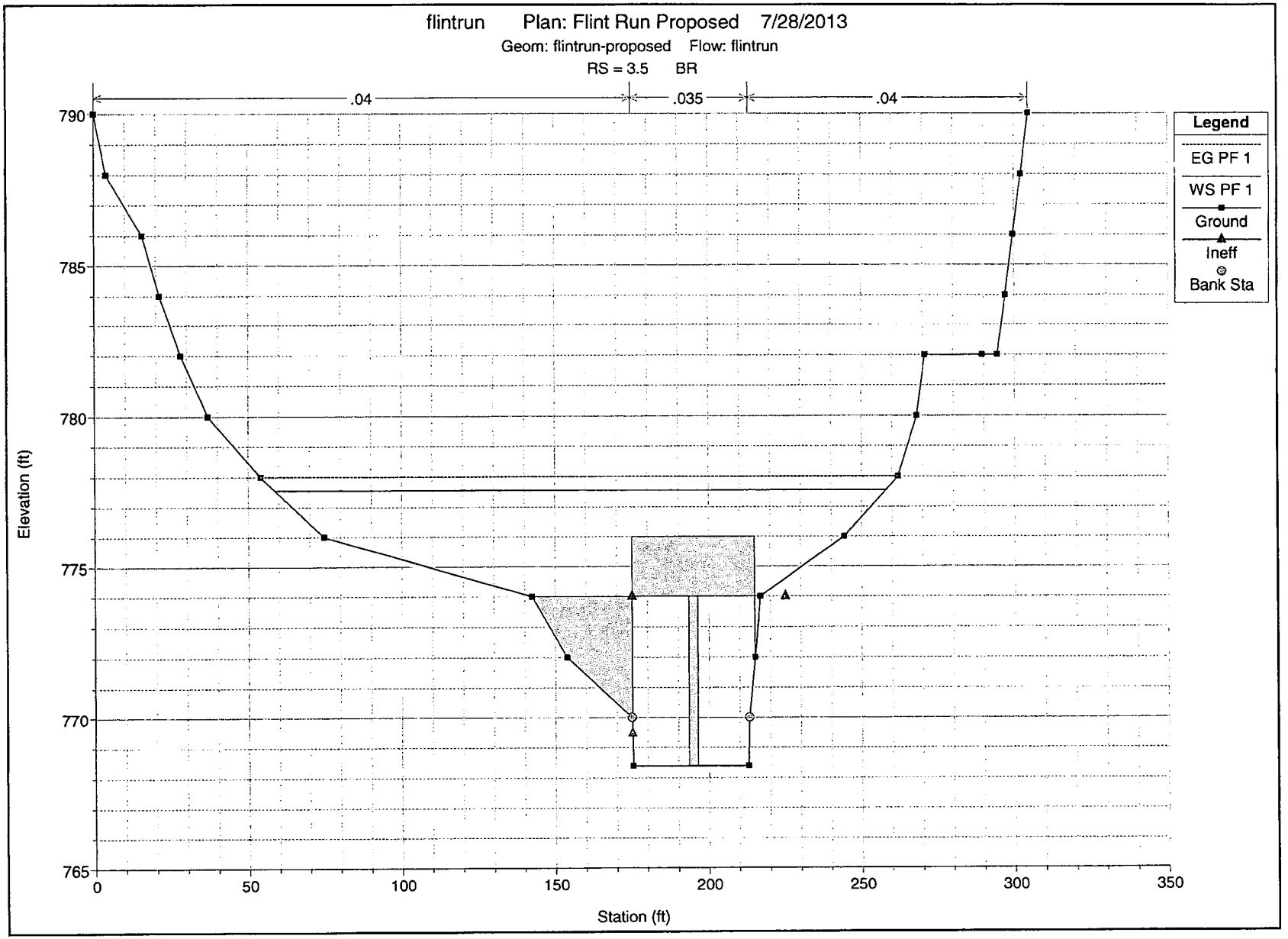
PROPOSED HEC-RAS

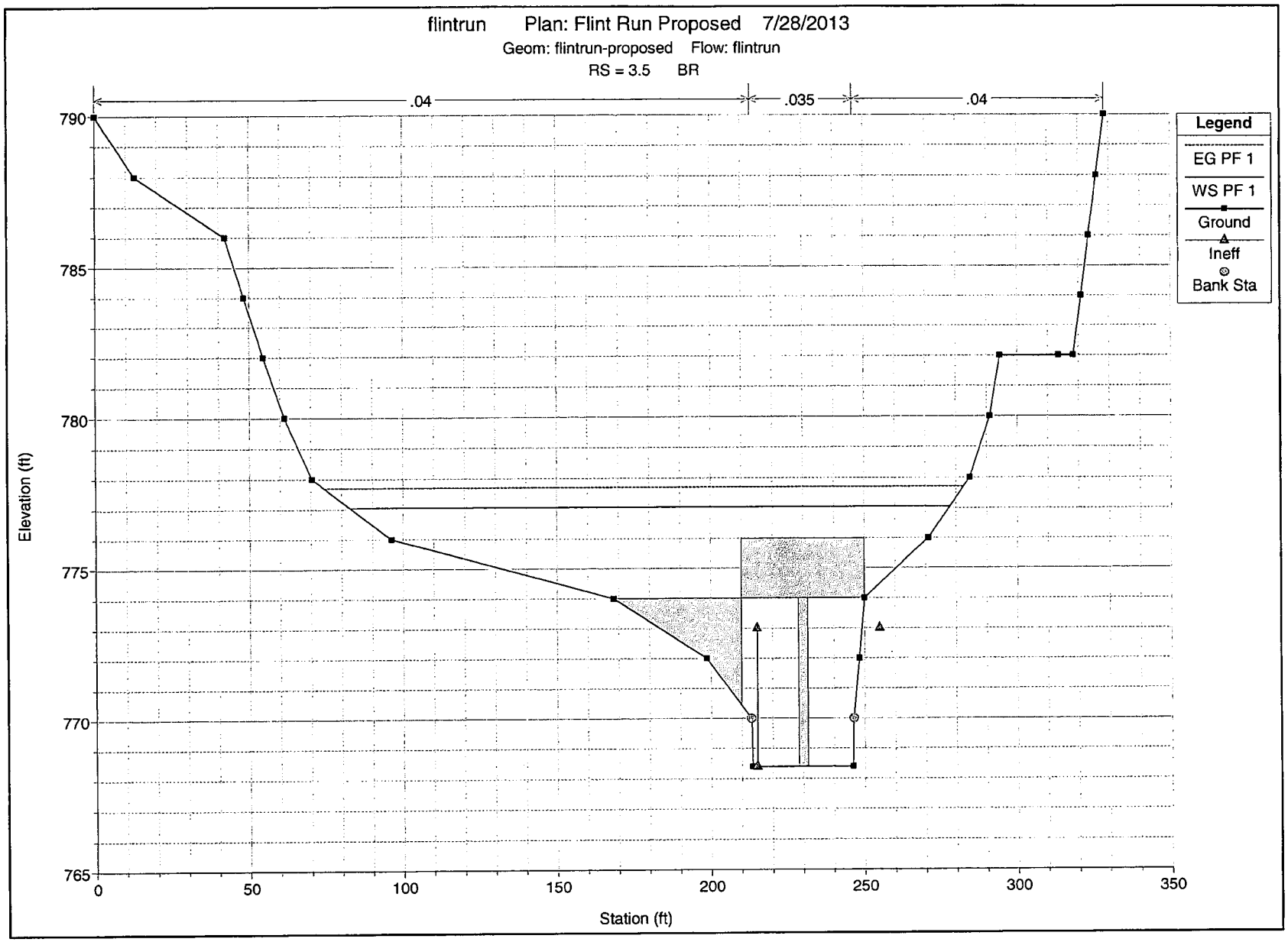

flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 3
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (ft)
790
785
780
775
770
765
0
50
100
150
200
250
300
350
Station (ft)

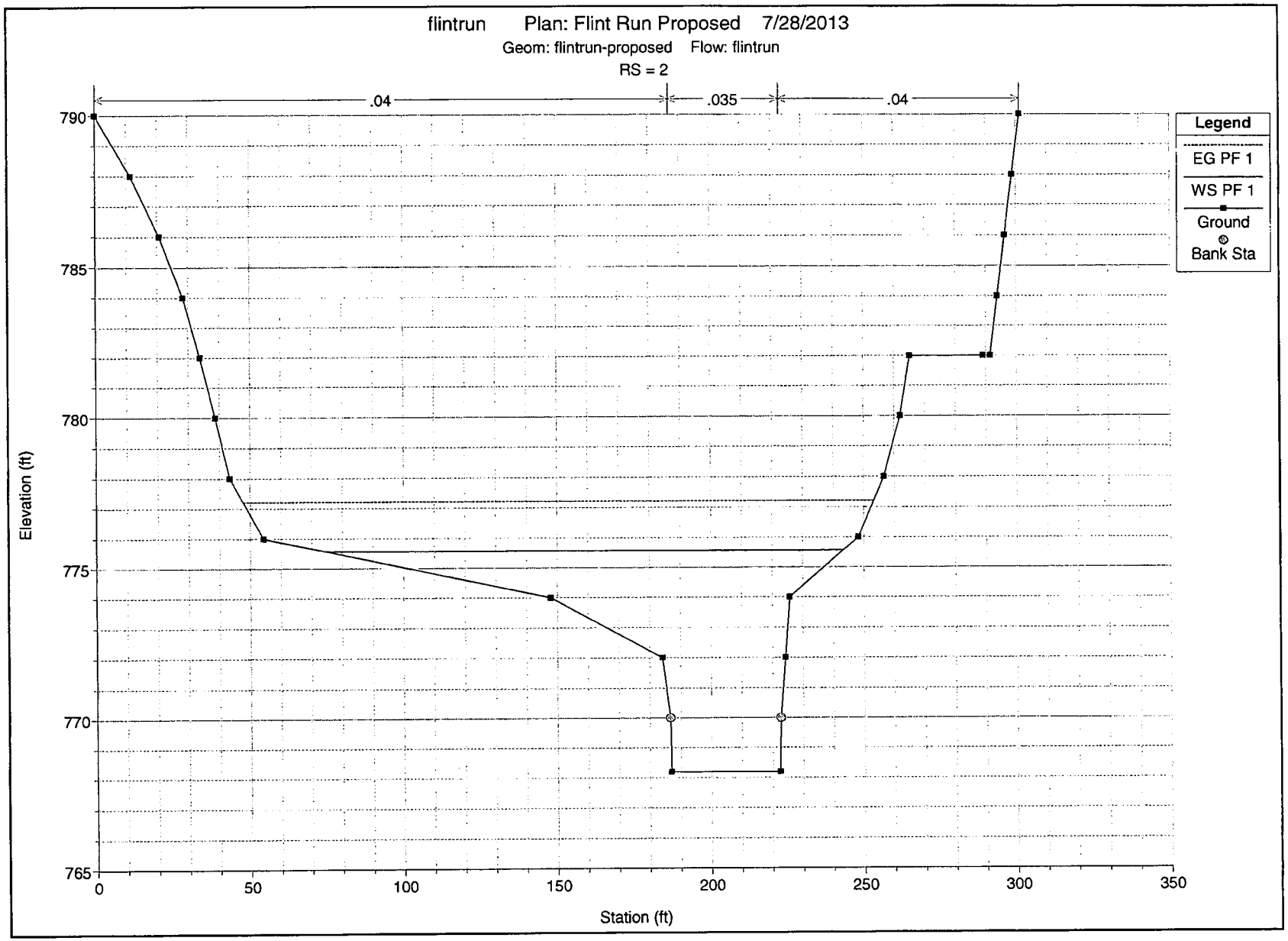

flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 6
.04
.035
.04
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)
Legend
EG PF 1
WS PF 1
Ground
Bank Sta

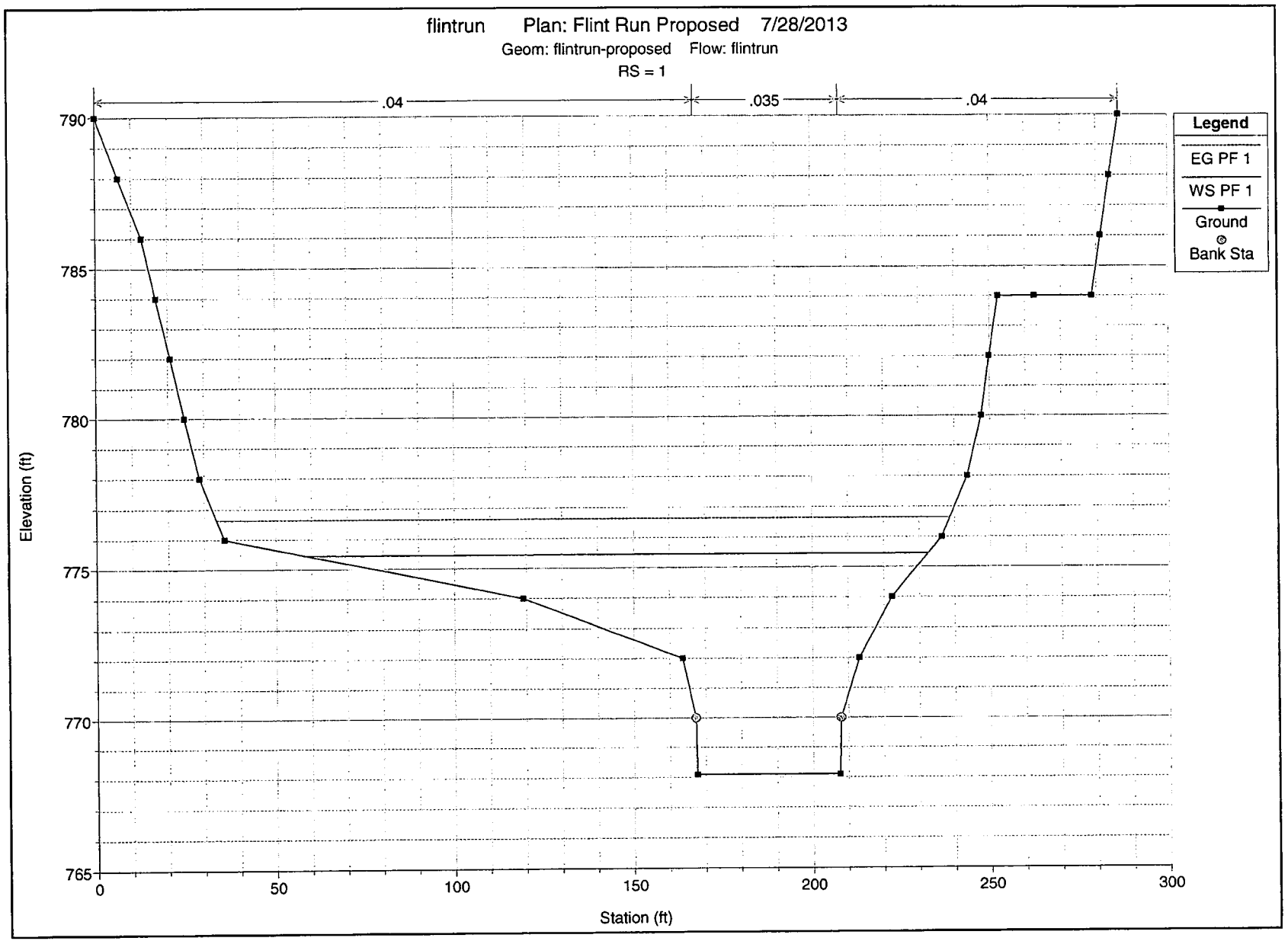

flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 5
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
400
Station (ft)

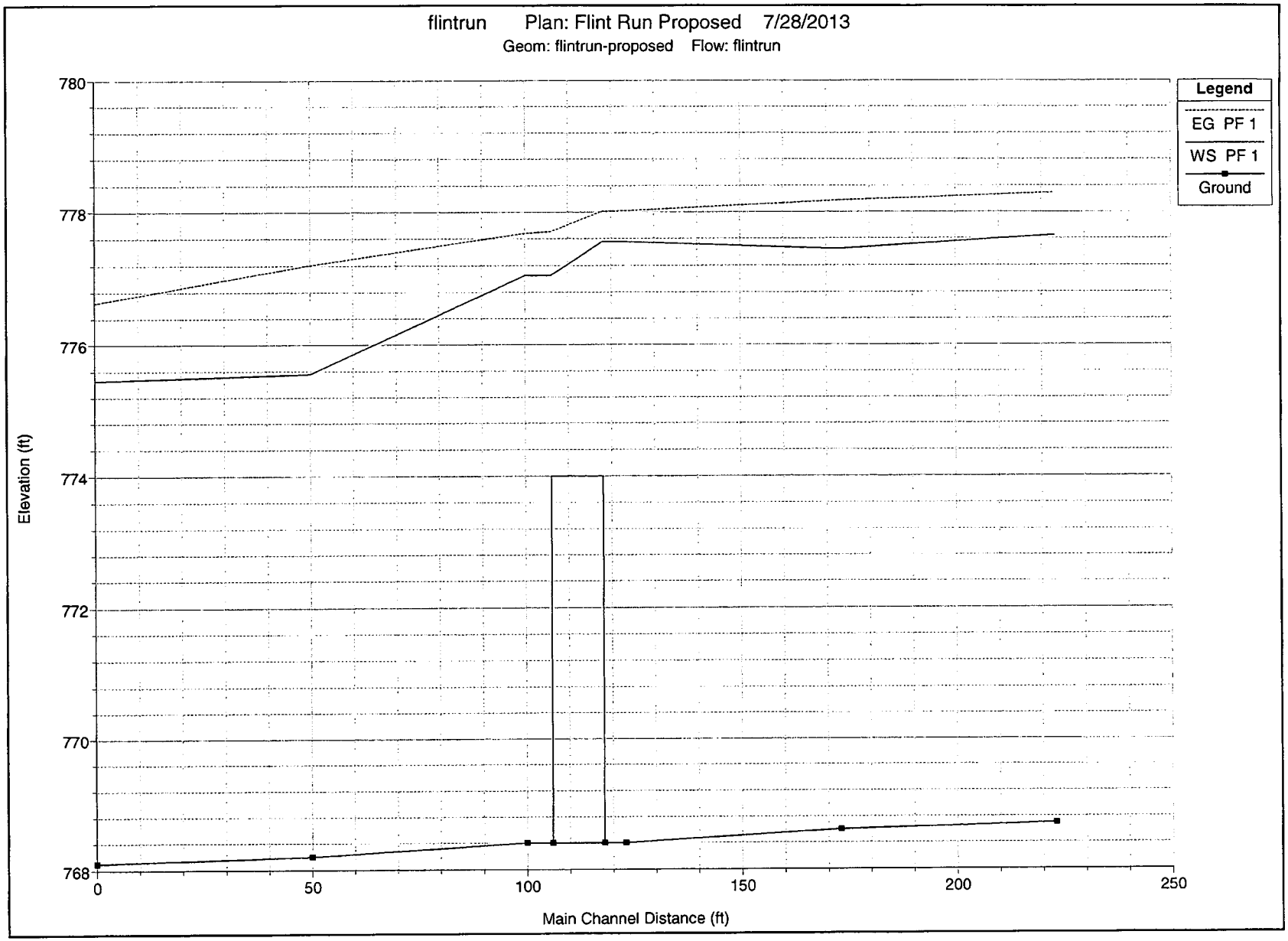

flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 4
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Ineff
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)


flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 3.5 BR
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Ineff
Bank Sta
Elevation (ft)
790
785
780
775
770
765
0
50
100
150
200
250
300
350
Station (ft)


flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 3.5 BR
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Ineff
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)

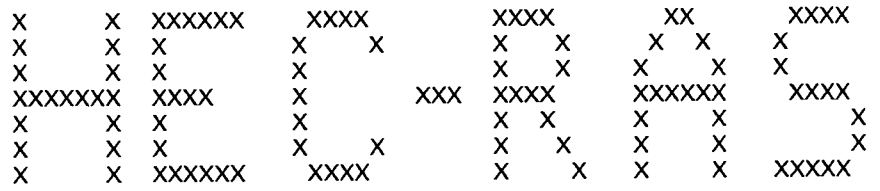

flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 2
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
350
Station (ft)


flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
RS = 1
.04
.035
.04
Legend
EG PF 1
WS PF 1
Ground
Bank Sta
790
785
780
775
770
765
Elevation (ft)
0
50
100
150
200
250
300
Station (ft)


flintrun Plan: Flint Run Proposed 7/28/2013
Geom: flintrun-proposed Flow: flintrun
Legend
EG PF 1
WS PF 1
Ground
780
778
776
774
772
770
768
Elevation (ft)
0
50
100
150
200
250
Main Channel Distance (ft)

flintrun.rep

HEC-RAS Version 4.1.0 Jan 2010
U.S. Army Corps of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California



PROJECT DATA
Project Title: flintrun
Project File : flintrun.prj
Run Date and Time: 7/29/2013 8:21:26 AM

Project in English units

PLAN DATA

Plan Title: Flint Run Proposed
Plan File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.p02

Geometry Title: flintrun-proposed
Geometry File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.g02

Flow Title : flintrun
Flow File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.f01

Plan Summary Information:

Number of:	Cross Sections	= 6	Multiple Openings	=	0
	Culverts	= 0	Inline Structures	=	0
	Bridges	= 1	Lateral Structures	=	0

Computational Information
Water surface calculation tolerance = 0.01
Critical depth calculation tolerance = 0.01
Maximum number of iterations = 20
Maximum difference tolerance = 0.3
Flow tolerance factor = 0.001

Computation Options
Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Subcritical Flow

FLOW DATA

Flow Title: flintrun

Flow File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.f01

Flow Data (cfs)

River	Reach	RS	PF 1
Flint Run	flint run	6	3612

Boundary Conditions

River	Reach	Profile	Upstream	Downstream
Flint Run	flint run	PF 1		

Normal S = 0.004

GEOMETRY DATA

Geometry Title: flintrun-proposed
Geometry File : h:\Projects\09261\092612006\NS\Floodplain\flintrun.g02

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 6

INPUT
Description:
Station Elevation Data num= 23

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	786	27.9	786	34.5	784	41.1	782	48.4	780
55.2	778	64.7	776	162.9	774	166.1	772	168.3	770
168.6	768.7	201.2	768.7	201.5	770	214.8	772	217.1	774
219.4	776	274	778	294.4	780	321.7	782	325.2	784
327.8	786	330.3	788	332.8	790				

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	168.3	.035	201.5	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
168.3	201.5	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 5

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	5.9	788	52.8	786	59	784	68.5	782
81.4	780	94.3	778	117.9	776	188.6	774	192.5	772
194.6	770	194.9	768.6	228.6	768.6	228.9	770	241.8	772

244.7	774	263.9	776	307.5	778	313.1	780	330.2	782
337.1	782	340.5	782	343.4	784	346.2	786	349.1	788
351.8	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	194.6	.035	228.9	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
194.6	228.9	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 4

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	3.9	788	15.6	786	21.2	784	28.1	782
36.9	780	54.1	778	74.7	776	142.5	774	153.8	772
174.9	770	175.2	768.4	212.9	768.4	213.2	770	215.1	772
216.9	774	244.3	776	262	778	268.1	780	270.8	782
289.5	782	294.5	782	297.1	784	299.6	786	302.2	788
304.7	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	174.9	.035	213.2	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
174.9	213.2	23	23	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	170	774	F
220	304.7	774	F

BRIDGE

RIVER: Flint Run
REACH: flint run RS: 3.5

INPUT
Description:
Distance from Upstream XS = 5
Deck/Roadway Width = 12
Weir Coefficient = 2.6
Upstream Deck/Roadway Coordinates
num= 6

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
0	774		175	774		175	776	774
215	776	774	215	774		305	776	

Upstream Bridge Cross Section Data
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	3.9	788	15.6	786	21.2	784	28.1	782
36.9	780	54.1	778	74.7	776	142.5	774	153.8	772
174.9	770	175.2	768.4	212.9	768.4	213.2	770	215.1	772
216.9	774	244.3	776	262	778	268.1	780	270.8	782

289.5	782	294.5	782	297.1	784	299.6	786	302.2	788
304.7	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	174.9	.035	213.2	.04

Bank Sta: Left	Right	Coeff Contr.	Expan.
174.9	213.2	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	170	774	F
220	304.7	774	F

Downstream Deck/Roadway Coordinates num= 6

Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord	Sta	Hi Cord	Lo Cord
0	774		210	774		210	776	774
250	776	774	250	774		329	776	

Downstream Bridge Cross Section Data

Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	12.9	788	42.1	786	48.3	784	54.6	782
61.4	780	70.4	778	96.2	776	168.4	774	198.6	772
213.1	770	213.4	768.4	246.2	768.4	246.5	770	248.3	772
250.1	774	270.9	776	284.5	778	291.1	780	294.4	782
313.5	782	318.3	782	320.9	784	323.4	786	325.9	788
328.5	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	213.1	.035	246.5	.04

Bank Sta: Left	Right	Coeff Contr.	Expan.
213.1	246.5	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	205	773	F
255	328.5	773	F

Upstream Embankment side slope = 0 horiz. to 1.0 vertical
Downstream Embankment side slope = 0 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .98
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design =
Weir crest shape = Broad Crested

Number of Piers = 1

Pier Data
Pier Station Upstream= 195 Downstream= 230

Upstream num= 2

Width	Elev	Width	Elev
3	768	3	774

Downstream num= 2

Width	Elev	Width	Elev
3	768	3	774

Number of Bridge Coefficient Sets = 1

Low Flow Methods and Data

Energy
Selected Low Flow Methods = Highest Energy Answer

High Flow Method
Pressure and Weir flow
Submerged Inlet Cd =
Submerged Inlet + Outlet Cd = .8
Max Low Cord =

Additional Bridge Parameters
Add Friction component to Momentum
Do not add Weight component to Momentum
Class B flow critical depth computations use critical depth
inside the bridge at the upstream end
Criteria to check for pressure flow = Upstream energy grade line

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 3

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	12.9	788	42.1	786	48.3	784	54.6	782
61.4	780	70.4	778	96.2	776	168.4	774	198.6	772
213.1	770	213.4	768.4	246.2	768.4	246.5	770	248.3	772
250.1	774	270.9	776	284.5	778	291.1	780	294.4	782
313.5	782	318.3	782	320.9	784	323.4	786	325.9	788
328.5	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	213.1	.035	246.5	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
213.1	246.5	50	50	.3	.5

Ineffective Flow num= 2

Sta L	Sta R	Elev	Permanent
0	205	773	F
255	328.5	773	F

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 2

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	11.4	788	20.8	786	28.4	784	33.8	782
38.7	780	43.4	778	54.4	776	147.9	774	184.1	772
186.7	770	187	768.2	222.4	768.2	222.7	770	224.2	772
225.7	774	248.2	776	256.6	778	262	780	265.2	782
289.1	782	291.5	782	293.9	784	296.3	786	298.75	788
301.2	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val

0	.04	186.7	.035	222.7	.04

Bank Sta: Left	Right	Lengths: Left Channel	Right	Coeff Contr.	Expan.
186.7	222.7	50	50	.1	.3

CROSS SECTION

RIVER: Flint Run
REACH: flint run RS: 1

INPUT
Description:
Station Elevation Data num= 26

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	790	6.3	788	12.8	786	16.7	784	20.7	782
24.6	780	28.7	778	35.6	776	119.2	774	163.7	772
167.3	770	167.6	768.1	207.6	768.1	207.9	770	213.1	772
222.3	774	236.4	776	243.6	778	247.6	780	249.9	782
252.4	784	262.6	784	278.7	784	281.2	786	283.7	788
286.3	790								

Manning's n Values num= 3

Sta	n Val	Sta	n Val	Sta	n Val
0	.04	167.3	.035	207.9	.04

Bank Sta: Left	Right	Coeff Contr.	Expan.
167.3	207.9	.1	.3

SUMMARY OF MANNING'S N VALUES

River:Flint Run

Reach	River Sta.	n1	n2	n3
flint run	6	.04	.035	.04
flint run	5	.04	.035	.04
flint run	4	.04	.035	.04
flint run	3.5	Bridge		
flint run	3	.04	.035	.04
flint run	2	.04	.035	.04
flint run	1	.04	.035	.04

SUMMARY OF REACH LENGTHS

River: Flint Run

Reach	River Sta.	Left	Channel	Right
flint run	6	50	50	50
flint run	5	50	50	50
flint run	4	23	23	23
flint run	3.5	Bridge		
flint run	3	50	50	50
flint run	2	50	50	50
flint run	1			

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS
River: Flint Run

Reach	River Sta.		Contr.	Expan.
flint run	6		.1	.3
flint run	5		.1	.3
flint run	4		.3	.5
flint run	3.5	Bridge		
flint run	3		.3	.5
flint run	2		.1	.3
flint run	1		.1	.3

RETTEW

We answer to you.

5143 Stoneham Rd. Ste 100, North Canton, OH 44720 • Phone: (330) 818-9770
E-mail: rettew@rettew.com • Web site: rettew.com

Engineers
Planners
Surveyors
Landscape Architects
Environmental Consultants

July 29, 2013

Mr. Dan Wellings
Floodplain Administrator
Doddridge County
118 East Court Street
West Union, WV 26456

RE: WG-100 Pipeline
EQT Gathering, LLC
Floodplain Permitting – Flint Run
Doddridge County, WV
RETTEW Project No. 092612006

Dear Mr. Wellings:

On behalf of EQT Gathering, LLC (EQT), please find attached a floodplain permit application for a pipeline crossing of Flint Run adjacent to Big Flint Road in Doddridge County. The associated HEC-RAS study and relevant mapping are also attached. Project is located at approx. 39°21'29.2"N and 80°42'43.1"W.

All disturbance associated with the project is temporary in nature only and the entire project site will be restored to existing grade following construction. During construction there will be a temporary bridge placed across Big Flint Run and this has been included in hydraulic calculations. There are no other structures associated with the project and there will be no stream alteration or relocation.

Increases in base flood elevation are less than 1 foot throughout the study area; therefore, no properties are "adversely affected" as defined by the Doddridge County Floodplain Ordinance.

All wetland and stream crossings associated with the pipeline have been authorized under Nationwide Permit 12 as verified by the United States Army Corps of Engineers on 2/12/2013 and 5/20/2013 (File LHR-2012-00860-OHR). The project also has a National Pollutant Discharge Elimination System Water Pollution Control Permit, WV permit no. 0115924 on 4/16/13 and 5/29/13.

Please contact me at gjones@rettew.com or (717)-743-0313 if any additional information is needed.

Sincerely,

Griffith Jones
Project Manager

Enclosures
copy: Stephanie Frazier, EQT Gathering, LLC (via email)
File

Gmail by Google

Dan Wellings <wellingsd8@gmail.com>

EQT Gathering Project - WG-100 Floodplain Permit

2 messages

Frazier, Stephanie <SFrazier@eqt.com> Tue, Jul 30, 2013 at 4:22 PM
To: "wellingsd8@gmail.com" <wellingsd8@gmail.com>

Good afternoon Mr. Wellings,

I wanted to follow up with you about the floodplain permit application that we prepared. It will be delivered to you via FedEx tomorrow at 118 East Court Street. I am hopeful that we can discuss the permit and address any questions or concerns you might have. If you would like an electronic copy of the permit application, please let me know. For your convenience, I've attached a copy of the floodplain permit application.

Thanks,

Stephanie Frazier

Stephanie Frazier

Senior Permitting Coordinator - Environmental

EQT Corporation

625 Liberty Avenue

Suite 1700

Pittsburgh, PA 15222

Office: 412.553.5798

Mobile: 412.925.1446

Fax: 412.395.3166

E-Mail: SFrazier@eqt.com

EQT **Where energy meets innovation.**

www.eqt.com

Scan_2013.0730 WG-100 Doddridge Floodplain Permit.pdf
5374K

Dan Wellings <wellingsd8@gmail.com> Wed, Jul 31, 2013 at 5:06 PM
To: "Frazier, Stephanie" <SFrazier@eqt.com>

Stephanie,

EQT's WG-110 pipeline floodplain application was delivered this afternoon.
I have not got to see the paper copy yet, I am working from my home computer, but I did review the application you attached to my e-mail.
I assume the paper copy is the same.
I will need some more info to process application.
1. The cover sheet also needs to summarize the results of the HEC-RAS study more thoroughly. I need the determined pre BFE stated, the amount of change the projects impact will have during and after development (to the nearest hundredth of a foot), and the post BFE stated. The "1 foot rule" is accumulative and I must keep track of the changes in the area.
2. The cover sheet must be signed and sealed by a licensed engineer.
3. I need an itemized breakdown of the total construction costs of all work, including materials, within the designated floodplain to show how you arrived at the cost and application fee submitted.

Some work has already been performed.
The temporary bridge is in place and a dirt road constructed in or near the floodplain.
ALL WORK WITHIN THE FLOODPLAIN MUST STOP UNTIL A PERMIT IS GRANTED!

Dan Wellings, PS
Doddridge County Floodplain Manager

[Quoted text hidden]

RETTEW
We answer to you.
5143 Stoneham Rd. Ste 100, North Canton, OH 44720 • Phone: (330) 818-9770
E-mail: rettew@rettew.com • Web site: rettew.com

Engineers
Planners
Surveyors
Landscape Architects
Environmental Consultants

August 5, 2013

Mr. Dan Wellings
Floodplain Administrator
Doddridge County
118 East Court Street
West Union, WV 26456

RE: WG-100 Pipeline
EQT Gathering, LLC
Floodplain Permitting – Flint Run
Doddridge County, WV
RETTEW Project No. 092612006

Dear Mr. Wellings:

On behalf of EQT Gathering, LLC (EQT), please find attached a floodplain permit application for a pipeline crossing of Flint Run adjacent to Big Flint Road in Doddridge County. The associated HEC-RAS study and relevant mapping are also attached. Project is located at approx. 39°21'29.2"N and 80°42'43.1"W.

All disturbance associated with the project is temporary in nature only and the entire project site will be restored to existing grade following construction.

The Flint Run pipeline crossing site includes a temporary bridge located on the west side of Big Flint Road (CR 3) in Doddridge County, WV. A study of the temporary bridge crossing was completed to establish the existing and proposed 100-year floodplain on the property using currently accepted technical concepts.

The flow utilized for this flood study was computed using the equations developed in the USGS report *Estimation of Flood-Frequency Discharges for Rural, Unregulated Streams in West Virginia*. A 100-year flow of 3,612 cfs was used for the pre and post floodplain study. The Corps of Engineers' HEC-RAS computer program, version 4.1, was utilized to establish base flood elevations for the 100-year flow.

The HEC-RAS cross sections through the properties were obtained from the 2-foot contour mapping. No detailed information was available for the temporary bridge therefore it was entered into the HEC-RAS model using the best available measurements. To model the encroachment in the floodplain, the proposed grading approach and bridge was input in to HEC-RAS. The proposed condition floodplain study was run to show that the increases in base flood elevation will remain under 1 foot after the development is constructed.

The summary table below summarizes the elevations for both the existing and proposed floodplains.

Cross Section Base Flood Elevation Summary

Cross Section	Existing BFE	Proposed BFE	Change
6	777.10	777.65	+0.55
5	776.72	777.45	+0.73
4	776.90	777.56	+0.66
3	776.71	777.05	+0.34
2	775.56	775.56	0
1	775.46	775.46	0

Based upon this study, the temporary bridge will not cause any unacceptable increases in the flood heights on the subject property or any adjacent properties, block drainage from the subject property and adjacent properties, deflection of floodwaters onto adjacent existing structures, or increase stream velocity therefore initiating or exacerbating erosion problems. Further, the temporary bridge structure will be removed following installation of the pipeline and preconstruction BFE will be restored.

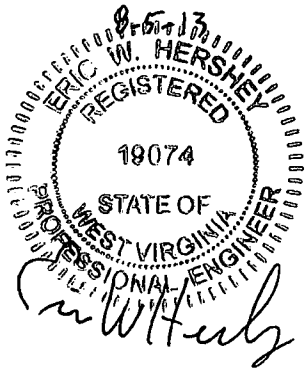
All wetland and stream crossings associated with the pipeline have been authorized under Nationwide Permit 12 as verified by the United States Army Corps of Engineers on 2/12/2013 and 5/20/2013 (File LHR-2012-00860-OHR).

Please contact me at gjones@rettew.com or (717)-743-0313 if any additional information is needed.

Sincerely,

Griffith Jones
Project Manager

Eric W. Hershey, PE
Senior Engineer



Enclosures
copy: Stephanie Frazier, EQT Gathering, LLC (via email)
File

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Sincerely,

Griffith Jones
Project Manager

Eric W. Hershey, PE
Senior Engineer

ERIC W. HERSHEY REGISTERED 19074 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

Enclosures
copy: Stephanie Frazier, EQT Gathering, LLC (via email)
File

Gmail by Google

Dan Wellings <wellingsd8@gmail.com>

WG-100 cost break down

1 message

Frazier, Stephanie <SFrazier@eqt.com> Thu, Aug 1, 2013 at 9:36 AM
To: "wellingsd8@gmail.com" <wellingsd8@gmail.com>

$ 255.00	base lay ("per foot" price)
0.5	mile of pipeline ROW in the floodplain
$ 673,200.00	pipeline cost in floodplain
$ 2,500.00	bridge total
$ 1,500.00	stone rce
$ 677,200.00	**total cost of construction**
$1,000	base fee for projects greater than 100,000 - $1000
Additional Fee for construction cost greater than 100,000 - $5 per $1,000 over $100,000	
$ 577,200.00	basis over 100,000
$ 577.20	$5 per 1000
$ 2,886.00	subtotal additional fee
$ 3,886.00	Base Fee plus Additional Fee
	first check
$1,000	Deposit "Deposit for Expenses"

	separate check
	second check

Stephanie Frazier

Senior Permitting Coordinator - Environmental

EQT Corporation

625 Liberty Avenue

Suite 1700

Pittsburgh, PA 15222

Office: 412.553.5798

Mobile: 412.925.1446

Fax: 412.395.3166

E-Mail: SFrazier@eqt.com

www.eqt.com

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v1.e

Megan
Landfried
115 Professional Plaza
Bridgeport, WV
26330

STATE OF WEST VIRGINIA,
COUNTY OF DODDRIDGE, TO WIT

I, Virginia Nicholson, Editor of THE HERALD RECORD, a weekly newspaper published regularly, in Doddridge County, West Virginia, Do Hereby Certify Upon Oath That the Accompanying Legal Notice Entitled:

Floodplain Permit

was published in said paper for 2

successive weeks beginning with the issue of August 13 2013 and

ending with the issue of

August 20 2013 and

that said notice contains 168

WORD SPACE at .15 cents a word

amounts to the sum of $ 19.32

FOR FIRST PUBLICATION, SECOND PUBLICATION IS 75% OF THE FIRST PUBLICATION

$ 14.49

and each publication thereafter

$ 33.81 TOTAL

EDITOR

D.O. Nicholson

SWORN TO AND SUBSCRIBED

BEFORE ME THIS THE 22 DAY

OF August 2013

NOTARY PUBLIC

Laura J Adams

LEGAL ADVERTISEMENT

Doddridge County

Floodplain Permit Application

Please take notice that on the 7th day of August 2013, EQT GATHERING, LLC, FLINT RUN, filed an application for a Floodplain Permit to develop land located at or about SURFACE OWNERS: CHARLEEN UNDERWOOD, GRANT DISTRICT, 33.2 ACRES, DEED BOOK 302 PG 349, TAX MAP 6 PARCEL 18.

The Application is on file with the Clerk of the County Court and may be inspected or copied during regular business hours. Any interested persons who desire to comment shall present the same in writing by August 27th, 2013.

Delivered to the:
Clerk of the County Court
118 E. Court Street, West Union, WV 26456
Beth A. Rogers, Doddridge County Clerk
Dan Wellings, Doddridge County Flood Plain Manager
8-13-2xb

OFFICIAL SEAL
Notary Public, State Of West Virginia
LAURA J ADAMS
212 Edmond Street
West Union, WV 26456
My Commission Expires June 14, 2023