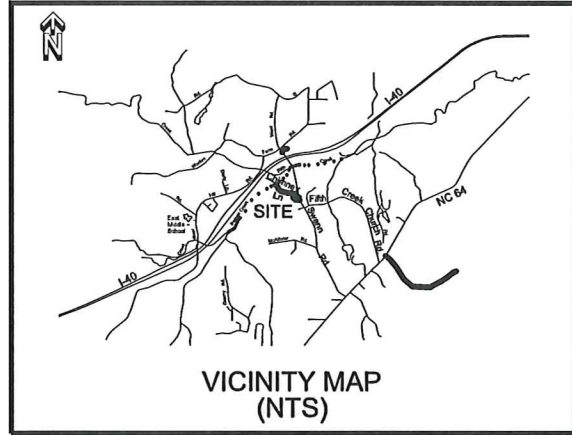




I, DAVID K. ALLEY, CERTIFY THAT THE INFORMATION SHOWN ON THESE PLANS WERE DERIVED FROM AN ACTUAL FIELD SURVEY MADE UNDER MY SUPERVISION, THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10000+. THE PURPOSE OF THIS SURVEY IS FOR TOPOGRAPHIC INFORMATION ONLY. NO BOUNDARY DETERMINATIONS WERE MADE AT THIS TIME.

THIS 24TH DAY OF APRIL, 2012.

*DKA*  
N. C. PROFESSIONAL LAND SURVEYOR L-4492















# As-Built Survey For Five-Mile Branch Mitigation Site

Iredell County, NC  
SCO#040607901

**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

**LEGEND:**

|   |                     |  |                                |
|---|---------------------|--|--------------------------------|
|  | BOULDER CROSS VANE  |                   | TOP OF BANK / BANKFULL (LEFT)  |
|  | BOULDER J-HOOK VANE |                   | TOP OF BANK / BANKFULL (RIGHT) |
|  | BOULDER VANE        |                   | CONTOUR LINE                   |
|  | ROOTWADS            |                   | THALWEG                        |
|   |                     |                   | WATER SURFACE                  |
|   |                     |                   | CLEARING LIMITS                |
|   |                     |                   | GRADING LIMITS                 |
|   |                     | <small>NOTE:<br/>THE GRADING AND CLEARING LIMITS LINE<br/>MAY BE THE SAME IN SOME LOCATIONS.</small> |                                |
|   |                     |                   | CONTROL POINT                  |

**NOTES:**

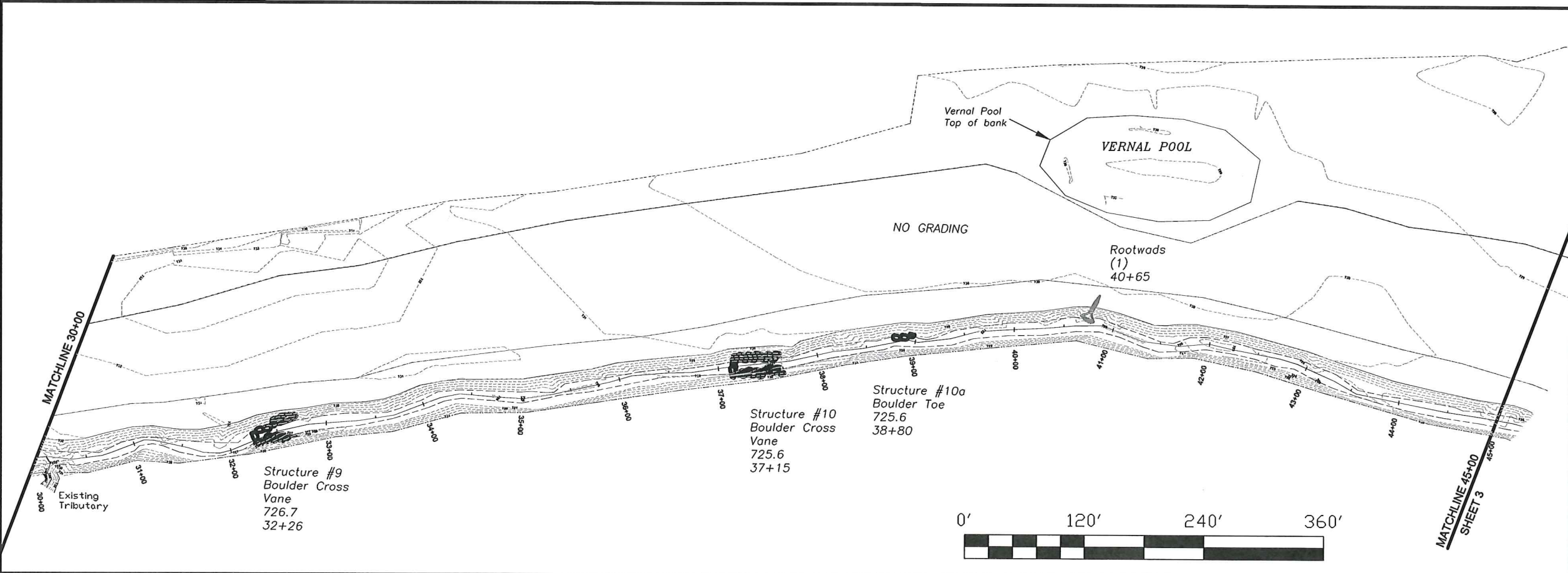
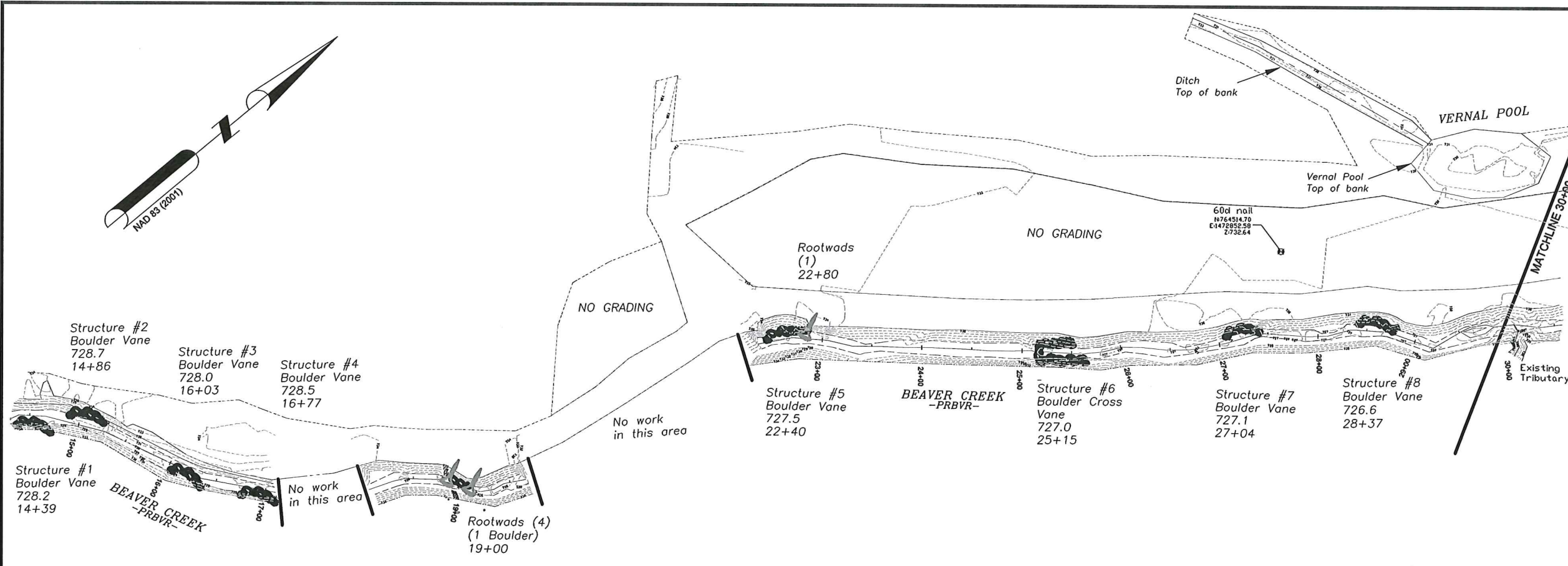
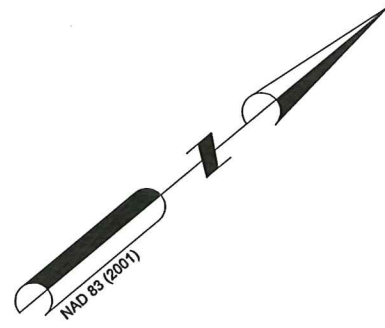
1. THE PURPOSE OF THIS SURVEY IS TO SHOW AS-BUILT FEATURES.
2. HORIZONTAL DATUM BASED ON NAD 83 (2011)
3. VERTICAL DATUM BASED ON NGVD 29
4. CONTOUR INTERVAL = 1 FOOT
5. THE ORIGINAL FIELD WORK WAS DONE FROM SEPTEMBER 19, 2011 TO OCTOBER 16, 2011. ADDITIONAL FIELD WORK ON FEBRUARY 9, 2012.

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

Revisions

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**AS-BUILT SURVEY**



**NorthState**  
ENVIRONMENTAL

NorthState Environmental  
2889 Lowery Street, Winston-Salem, NC 27101  
p. 336.726.2010 | f. 336.725.2405  
www.nsenv.com  
Firm License #D-0289



**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=120'

Revisions

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AS-BUILT  
SURVEY

Sheet  
**2 of 16**



NO GRADING

NO GRADING

NO GRADING

NO GRADING

MATCHLINE SHEET 2  
45+00

MATCHLINE SHEET 4  
60+00

5/8" rebar w/cap  
N766446.42  
E1474916.56  
Z726.89

GATE  
EXISTING BRIDGE  
CHIMNEY LANE  
No work in this area

Vernal Pool  
Top of bank

VERNAL POOL

Rootwads (2)  
49+75

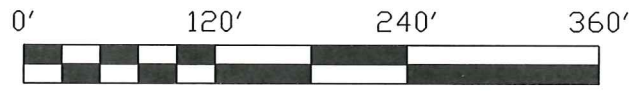
Structure #12  
Boulder J-Hook  
723.9  
49+35

Rootwads (1)  
48+40

Structure #11a  
Boulder Toe  
724.2  
48+29

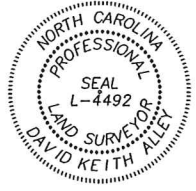
Structure #11  
Boulder J-Hook  
724.0  
47+24

BEAVER CREEK  
-PRBVR-



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ENVIRONMENTAL

NorthState Environmental  
2889 Lowery Street, Winston-Salem, NC 27101  
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**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

Revisions

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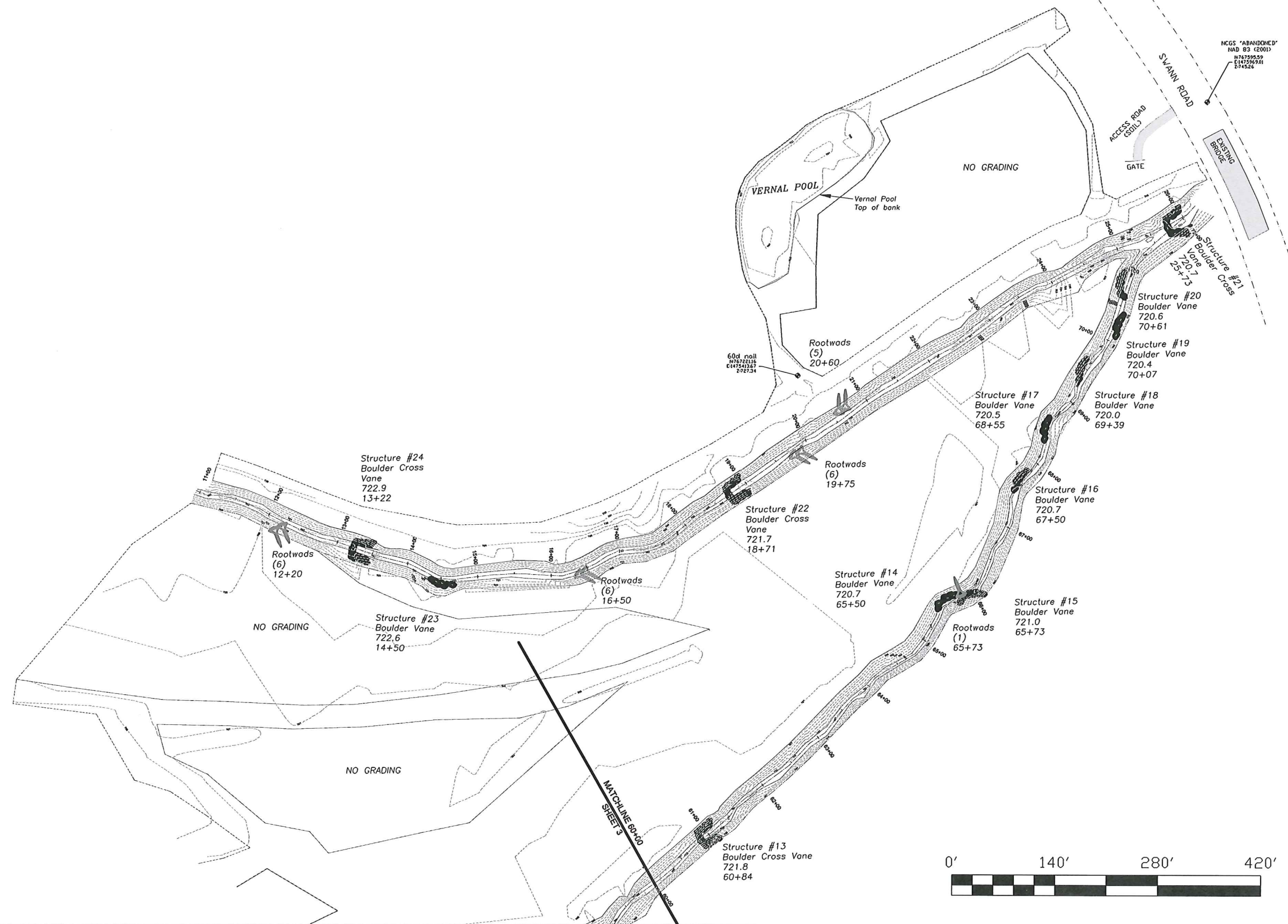
AS-BUILT  
SURVEY

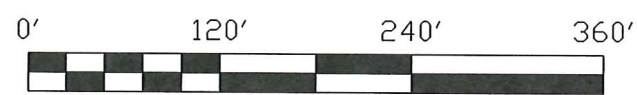
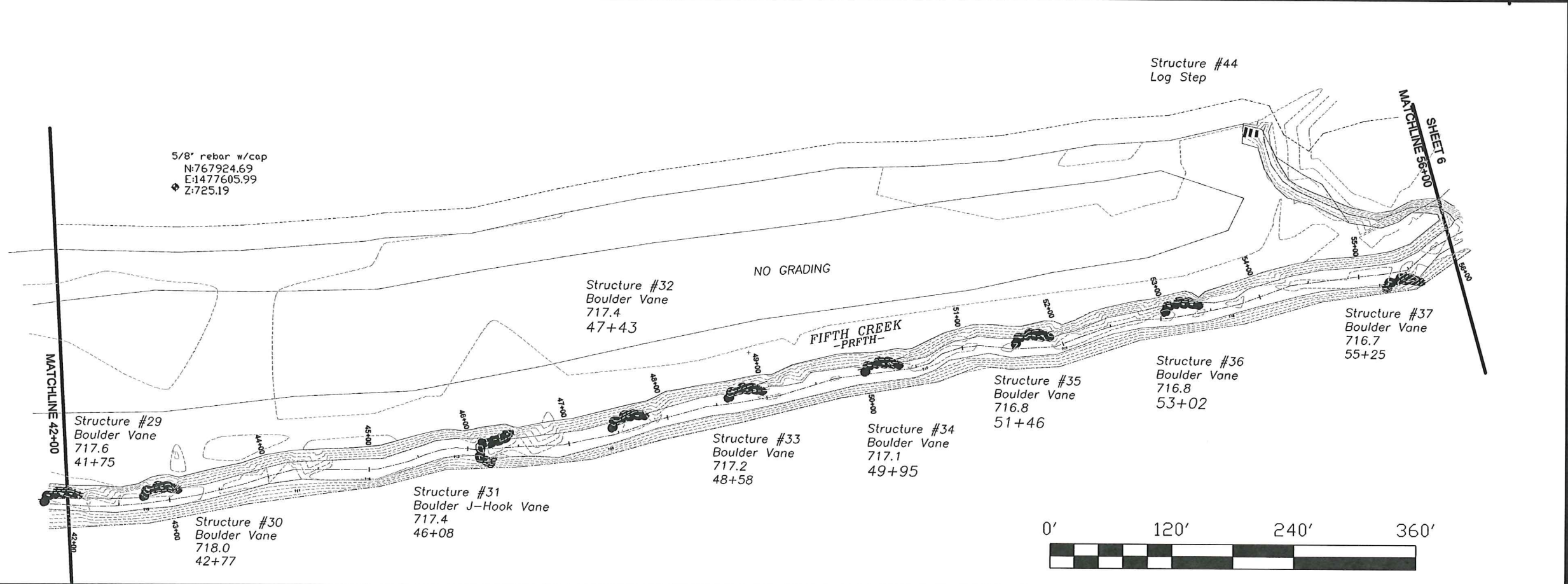
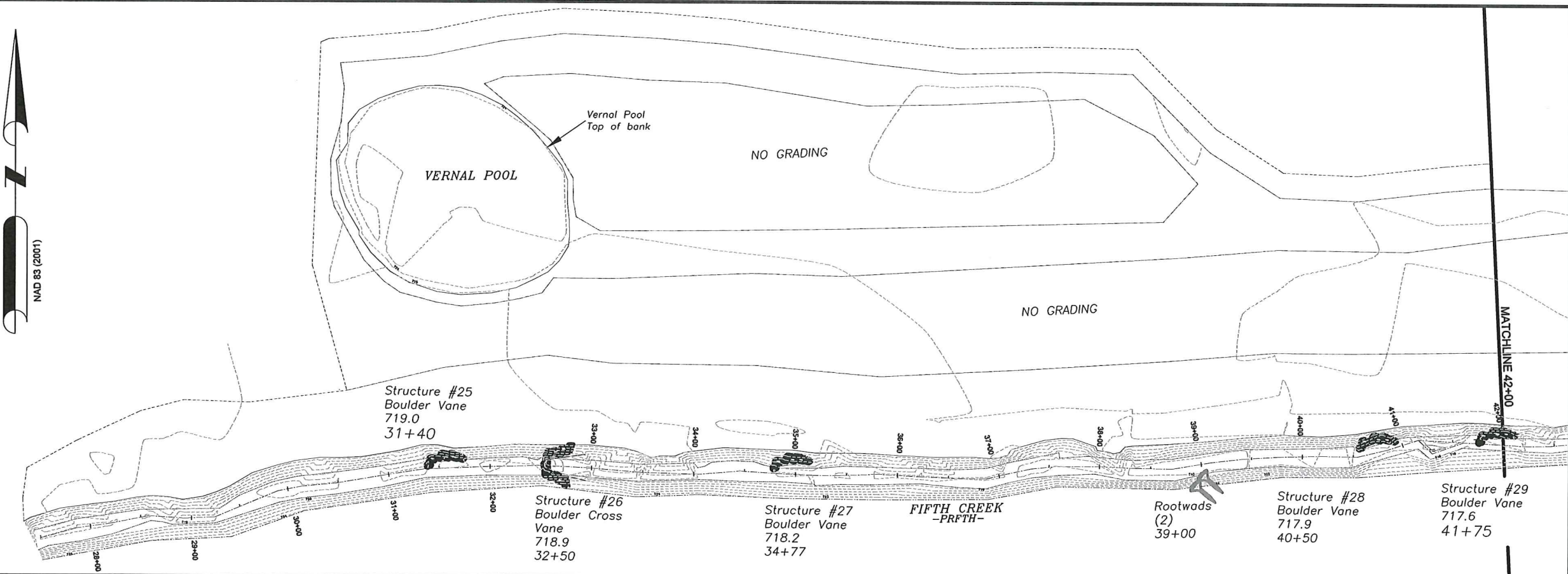


**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

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| Date: April 2, 2012   |
| Job Number: 511044    |
| Project Surveyor: dka |
| Drawn by: dka         |
| Scale: 1"=140'        |
| Revisions             |
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AS-BUILT  
SURVEY





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ENVIRONMENTAL

NorthState Environmental  
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www.nsenv.com  
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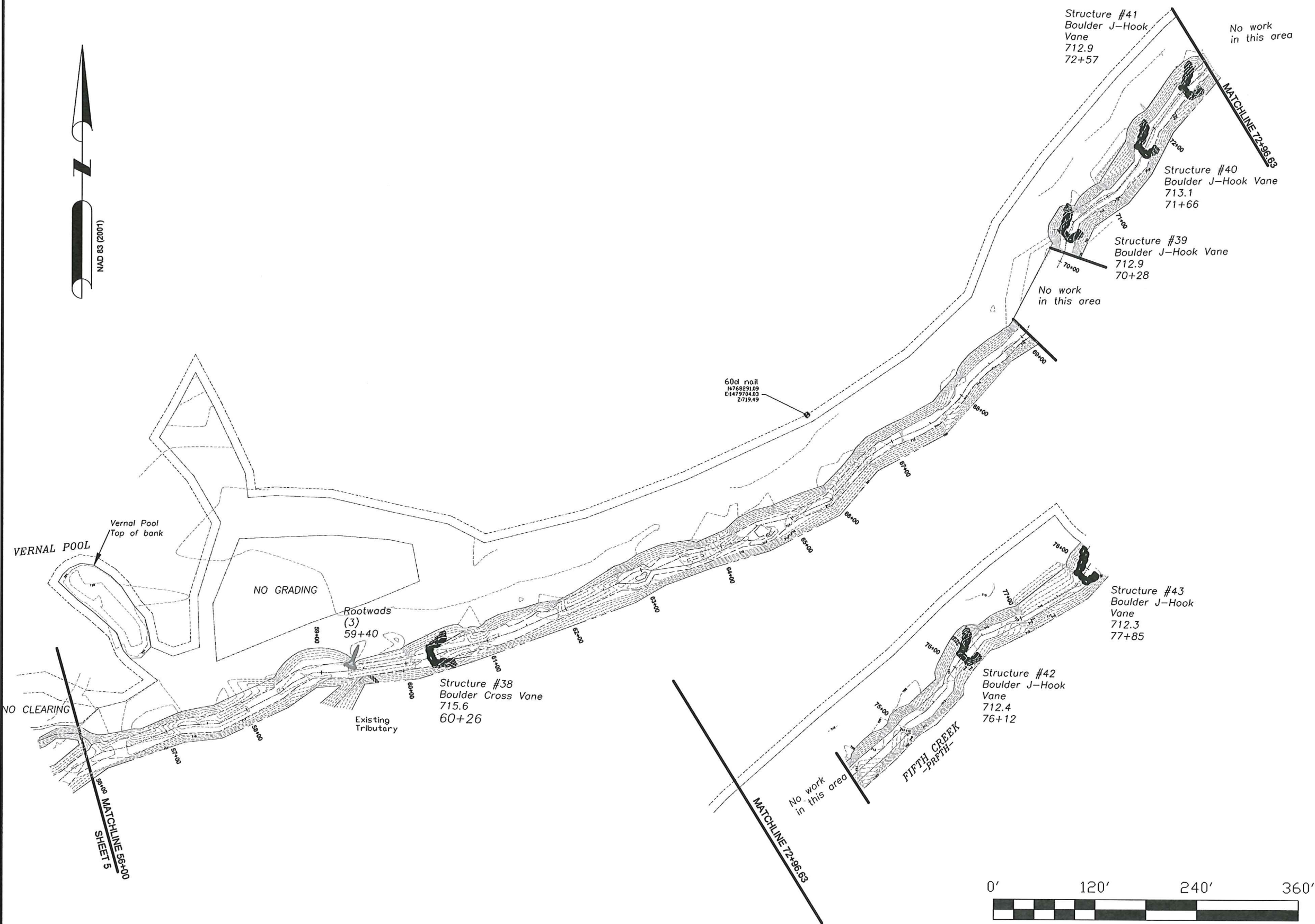
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

Revisions

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AS-BUILT  
SURVEY



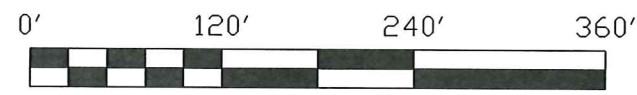
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

Revisions

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AS-BUILT  
SURVEY





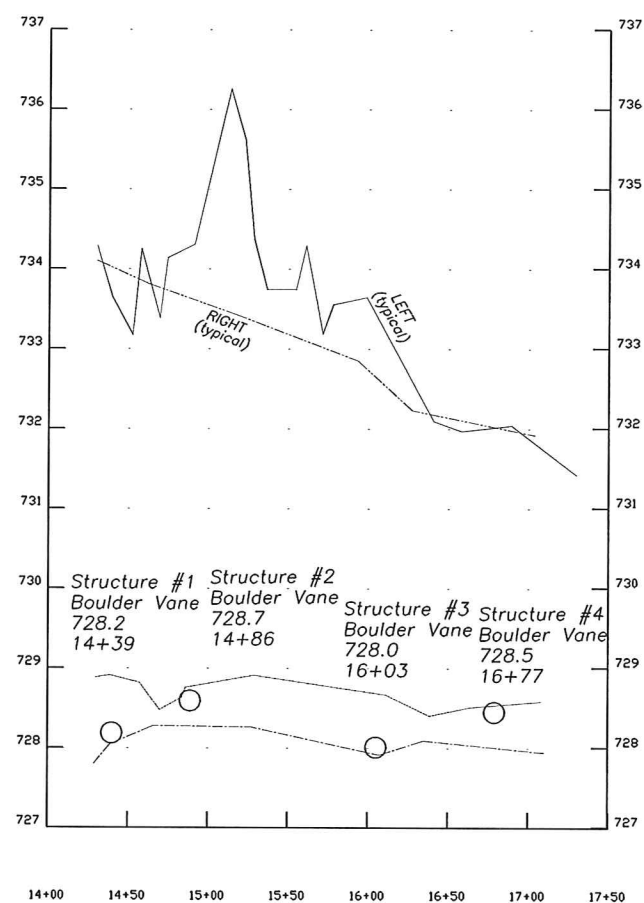
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
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Scale: 1"=50'

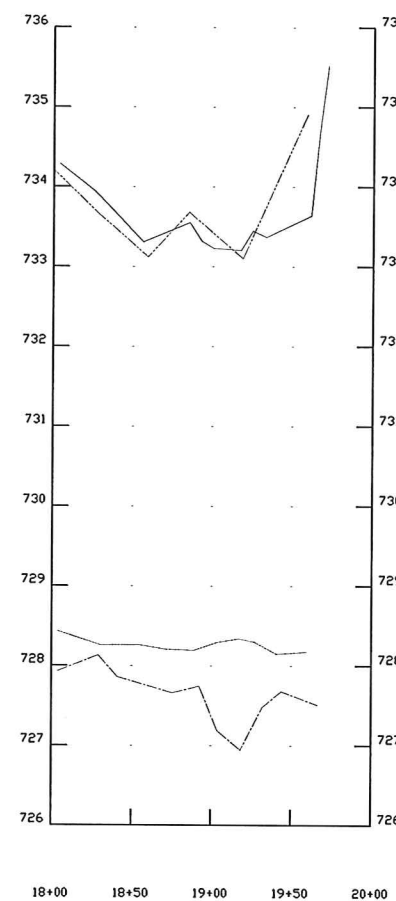
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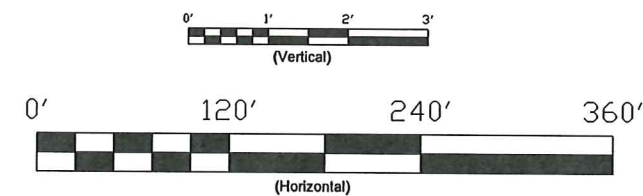
AS-BUILT  
SURVEY



BEAVER CREEK - AS-BUILT PROFILE



BEAVER CREEK - AS-BUILT PROFILE

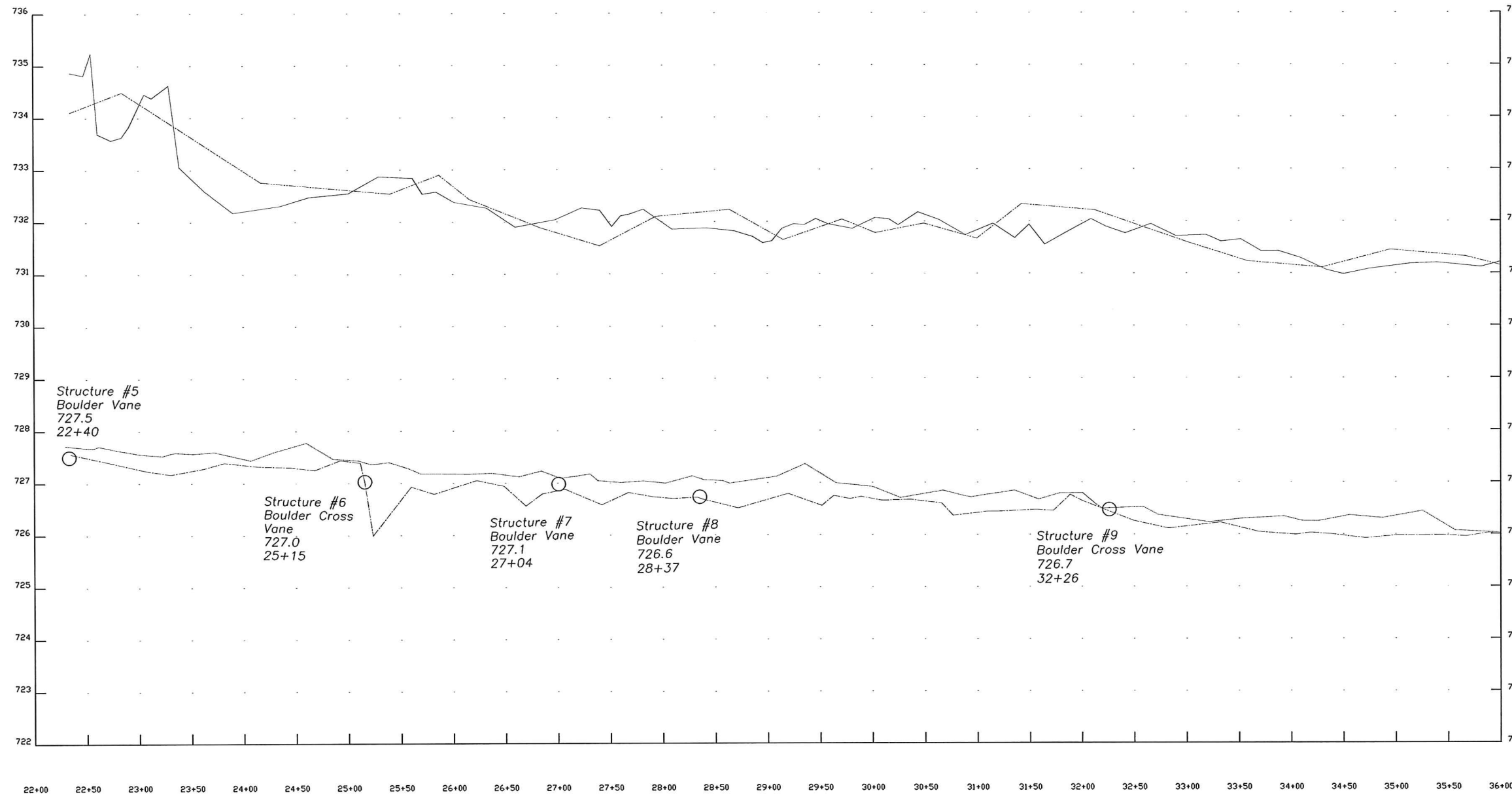




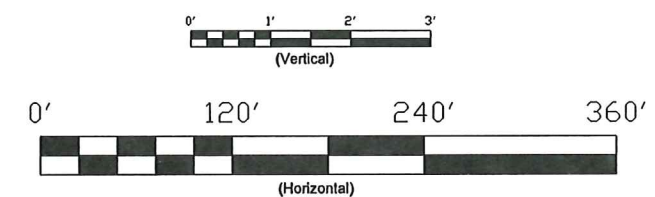
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

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| Date: April 2, 2012   |
| Job Number: 511044    |
| Project Surveyor: dka |
| Drawn by: dka         |
| Scale: 1"=50'         |
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AS-BUILT  
SURVEY



BEAVER CREEK - AS-BUILT PROFILE







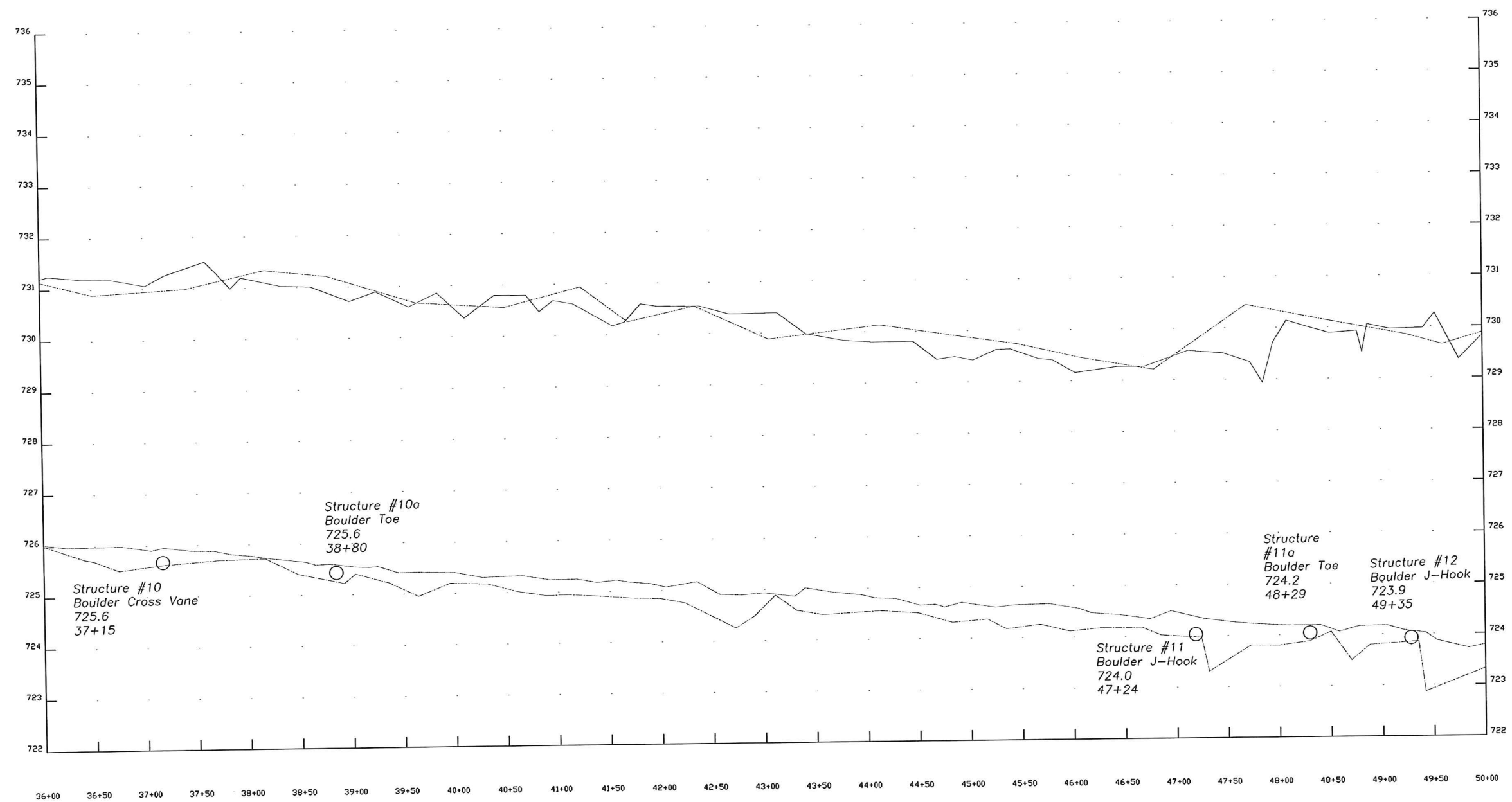
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

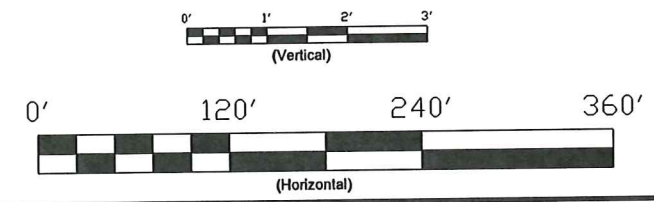
Revisions

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AS-BUILT SURVEY



BEAVER CREEK - AS-BUILT PROFILE

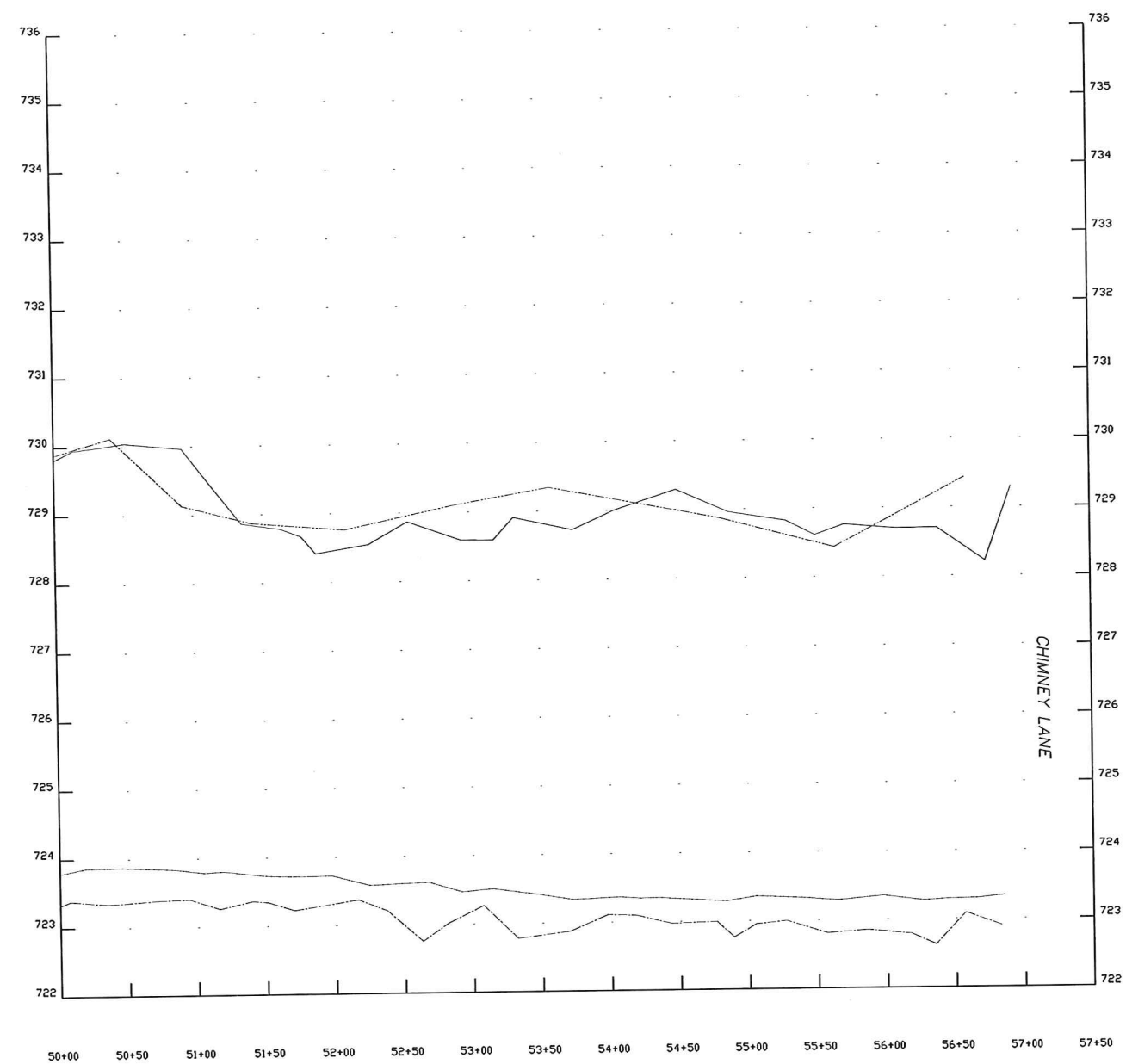




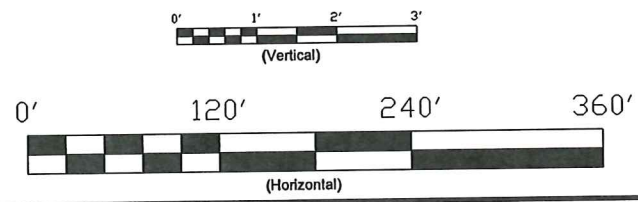
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: October 28, 2011  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'  
Revisions

AS-BUILT  
SURVEY



BEAVER CREEK - AS-BUILT PROFILE





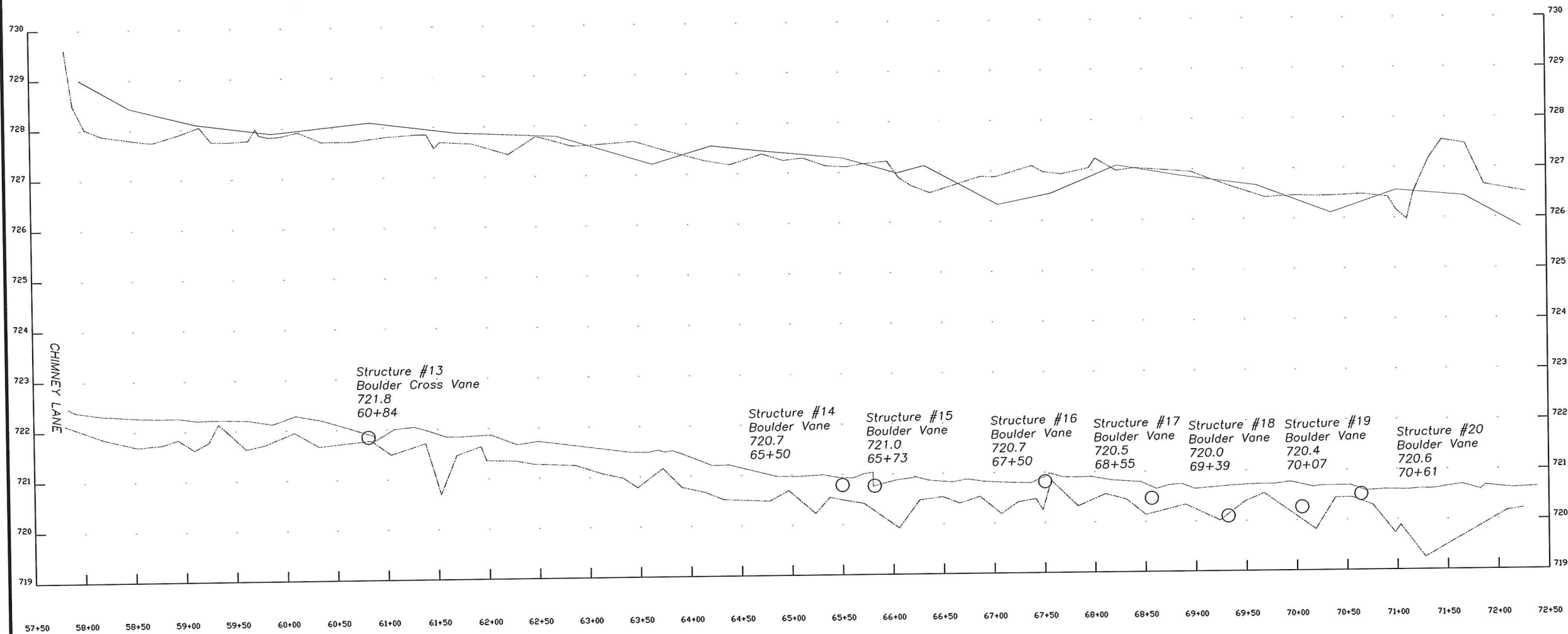
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

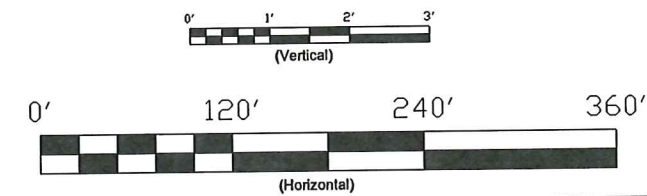
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SURVEY

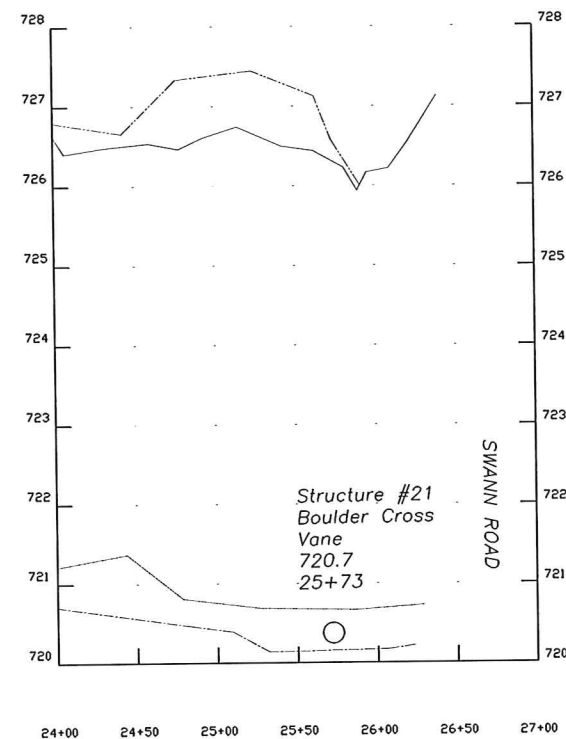
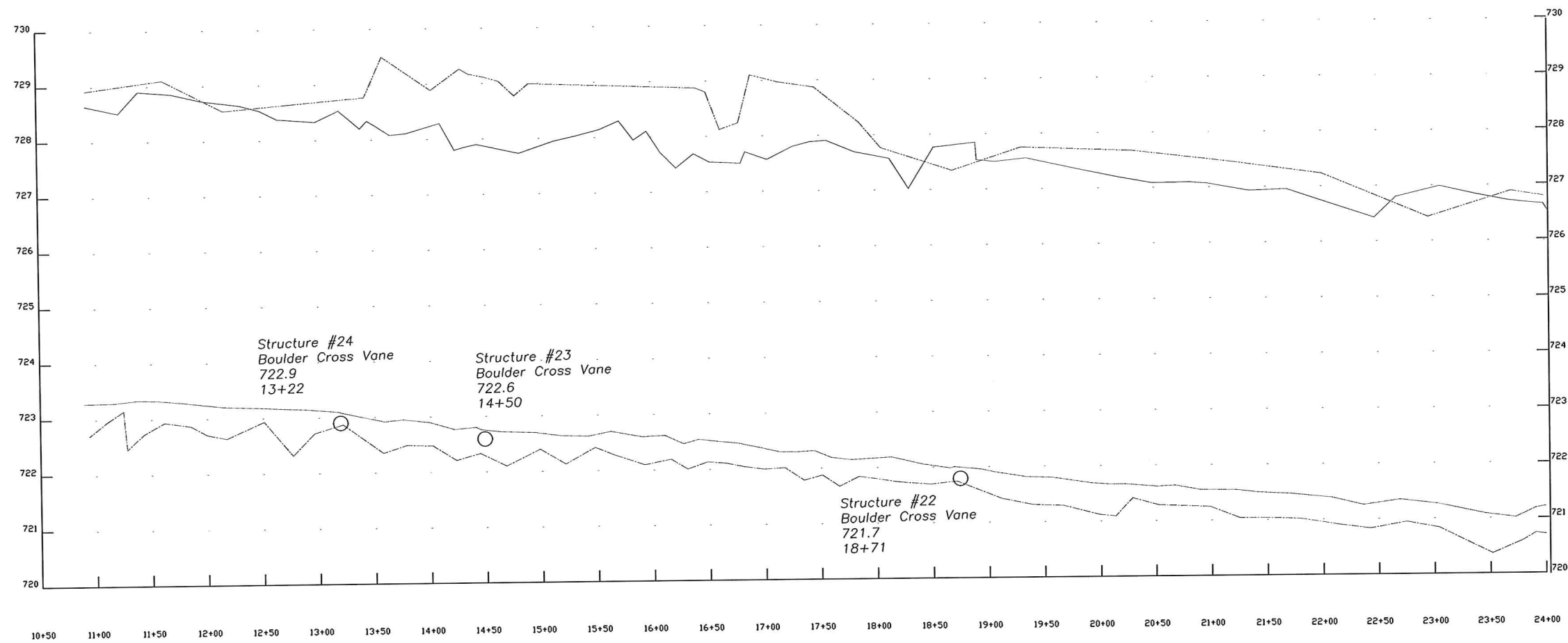


BEAVER CREEK - AS-BUILT PROFILE

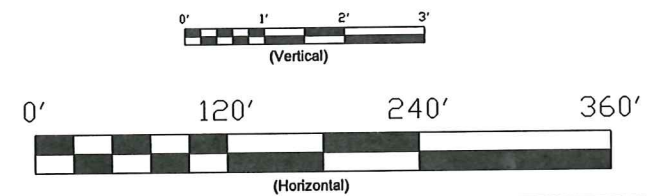




**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901



FIFTH CREEK - AS-BUILT PROFILE



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|-----------------------|
| Date: April 2, 2012   |
| Job Number: 511044    |
| Project Surveyor: dka |
| Drawn by: dka         |
| Scale: 1"=50'         |
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AS-BUILT SURVEY

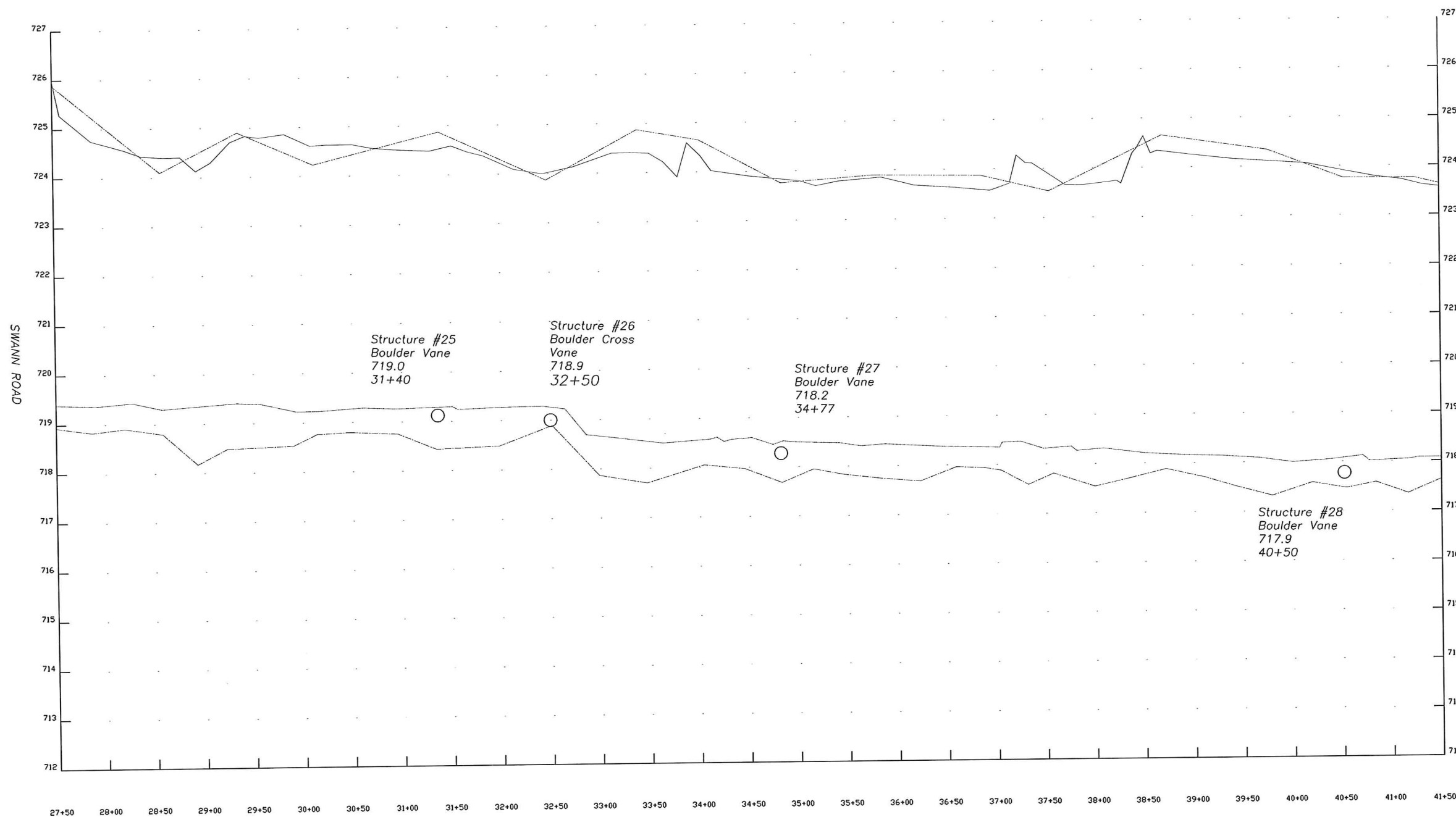


**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

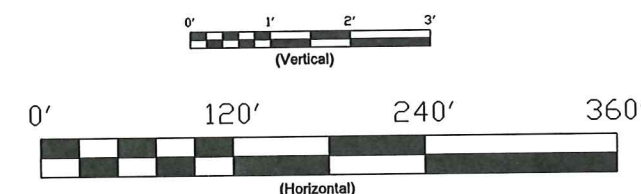
Date: April 2, 2012  
Job Number: 511044  
Project Surveyor: dka  
Drawn by: dka  
Scale: 1"=50'

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AS-BUILT  
SURVEY



FIFTH CREEK - AS-BUILT PROFILE



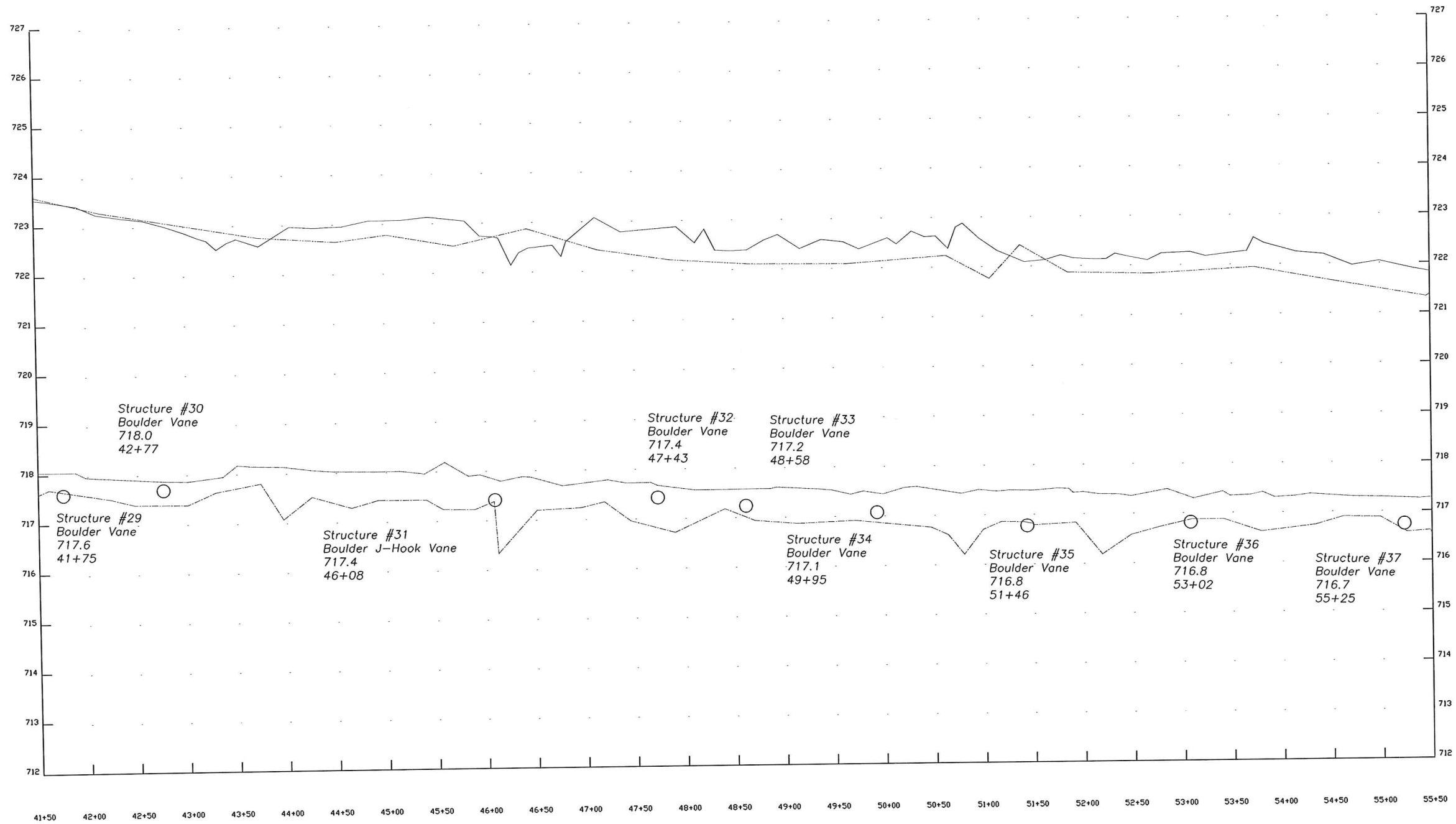


**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
SCO#040607901

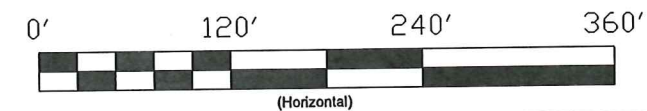
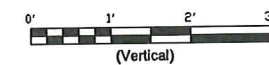
Date: April 2, 2012  
Job Number: 511044  
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Drawn by: dka  
Scale: 1"=50'

| Revisions |
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AS-BUILT  
SURVEY



BEAVER CREEK - AS-BUILT PROFILE





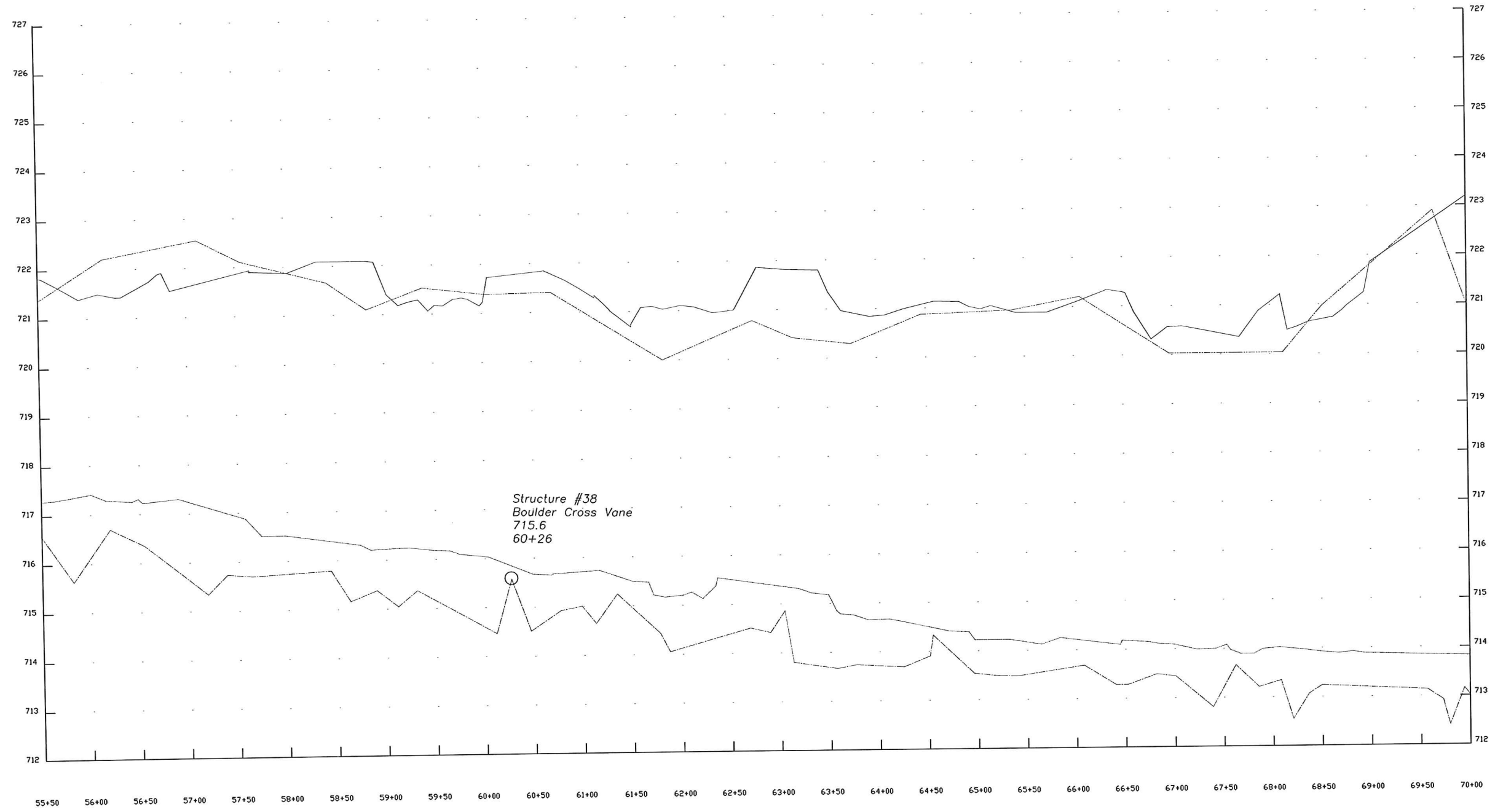
**Five-Mile Branch Mitigation Site**  
Iredell County, NC  
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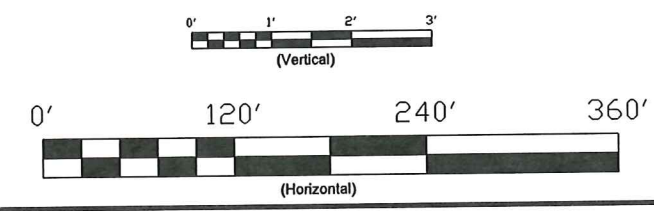
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AS-BUILT  
SURVEY



FIFTH CREEK - AS-BUILT PROFILE

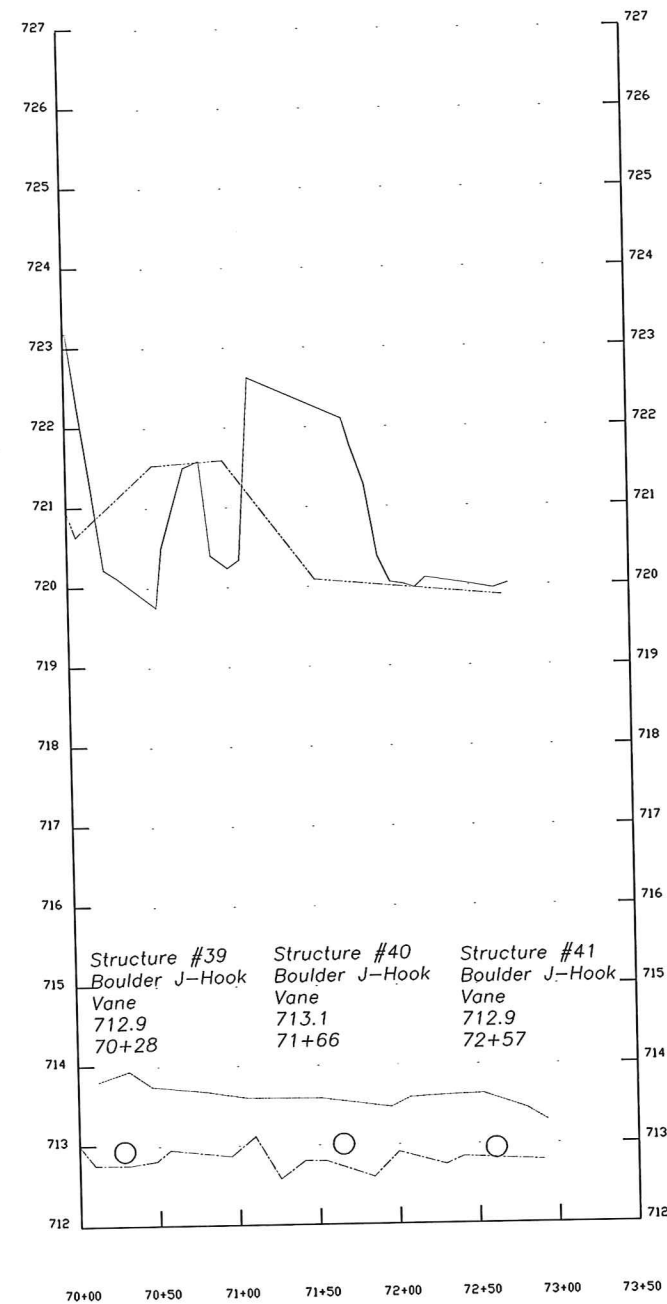




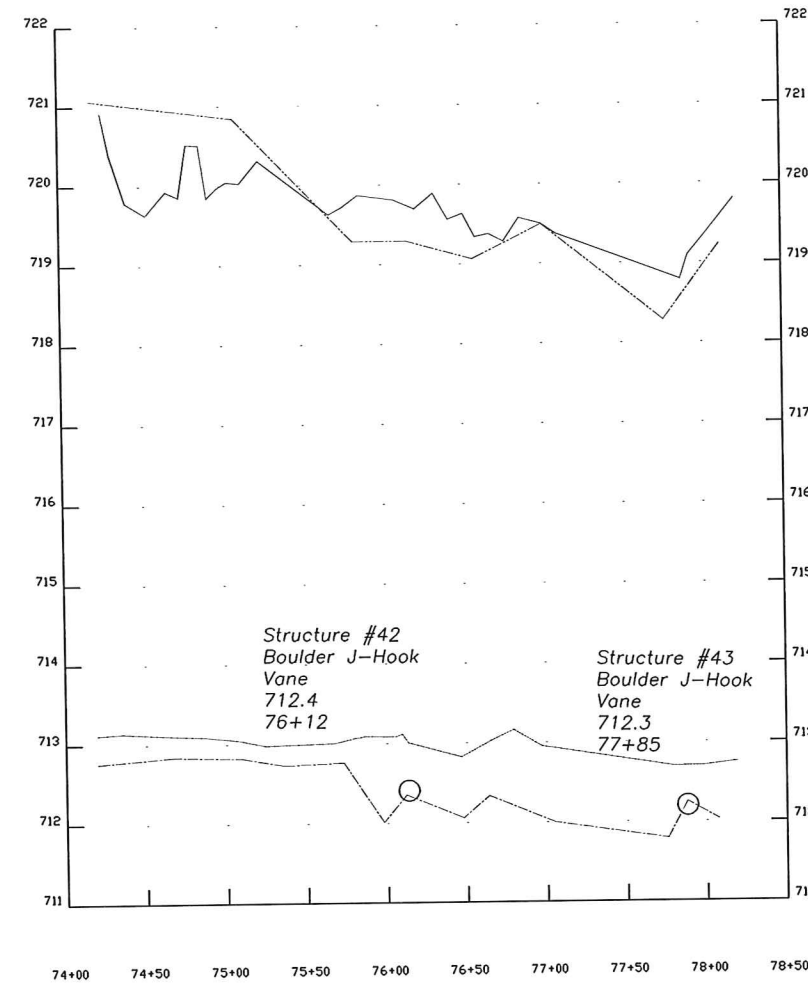
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AS-BUILT  
SURVEY



FIFTH CREEK - AS-BUILT PROFILE



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