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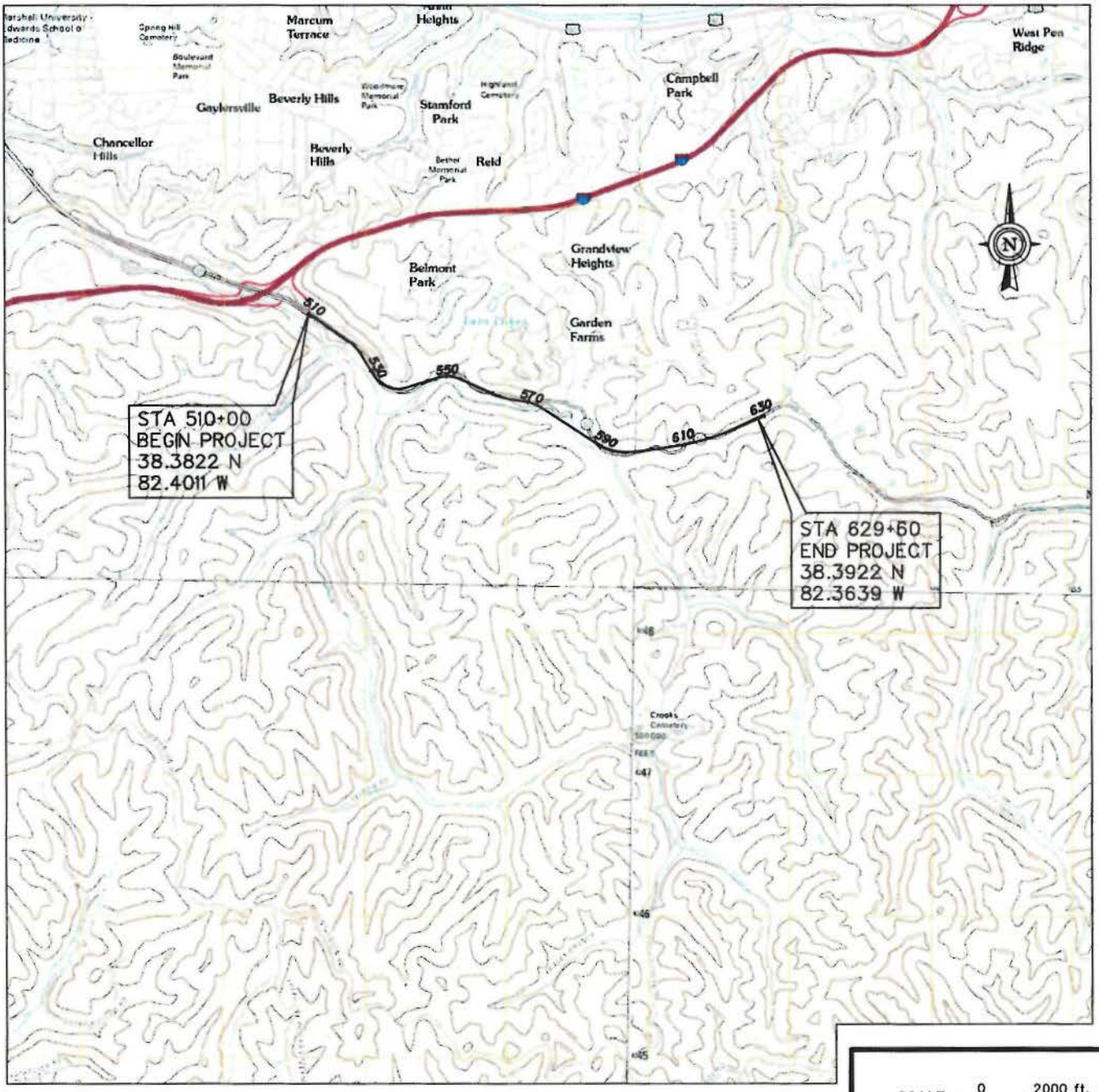
WV-10
U306-10-13.36



SCALE : 0 2000 ft.

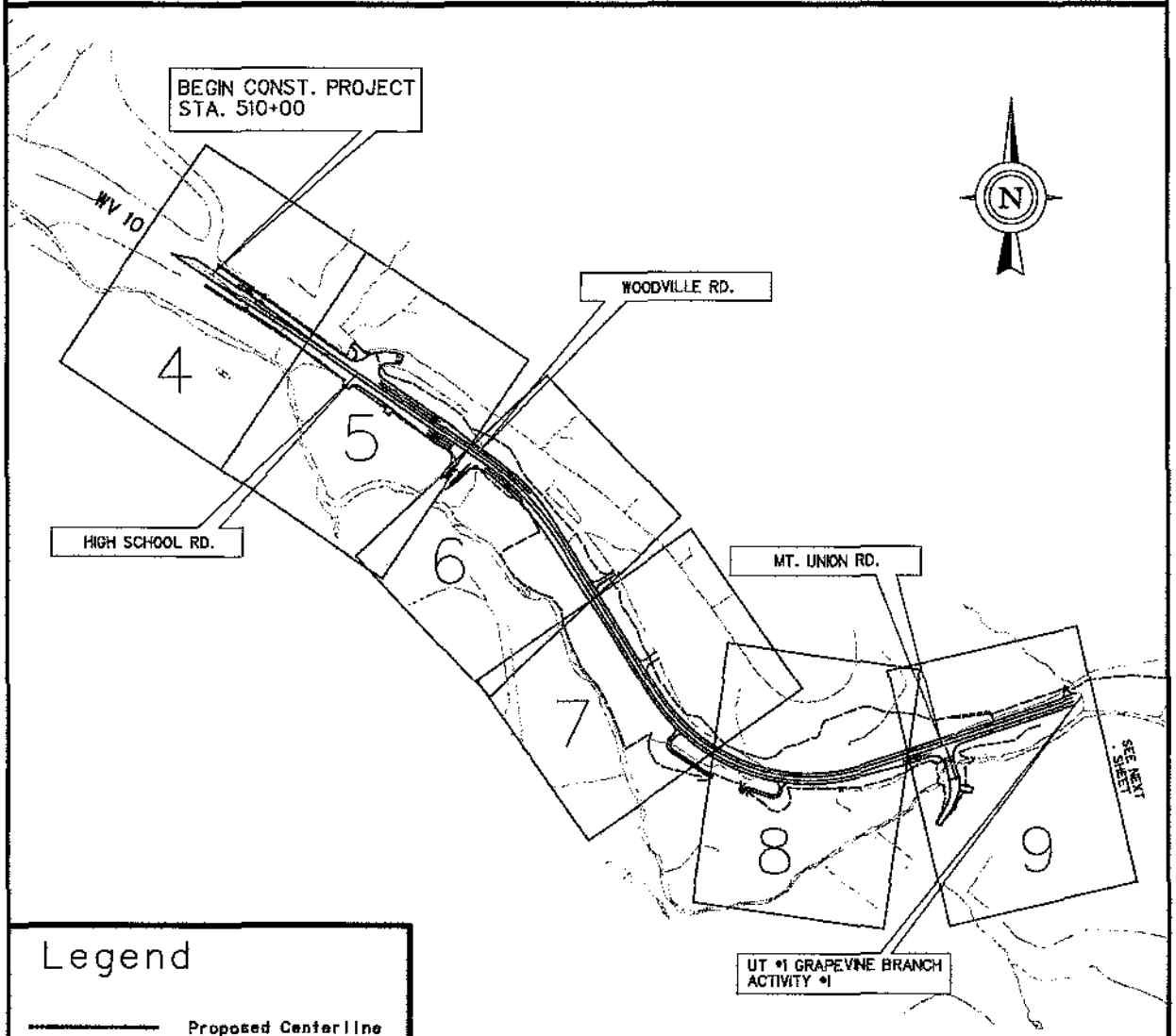
West Virginia Division of Highways
Cabell County

USGS MAP

Date:
09/2014

Sheet 1 of 50

WV-10
U306-10-13.36



Legend

Proposed Centerline

Cut/Fill Limits

Streams

SCALE : 0 300 ft.

West Virginia Division of Highways
Cabell County

Date:
09/2014

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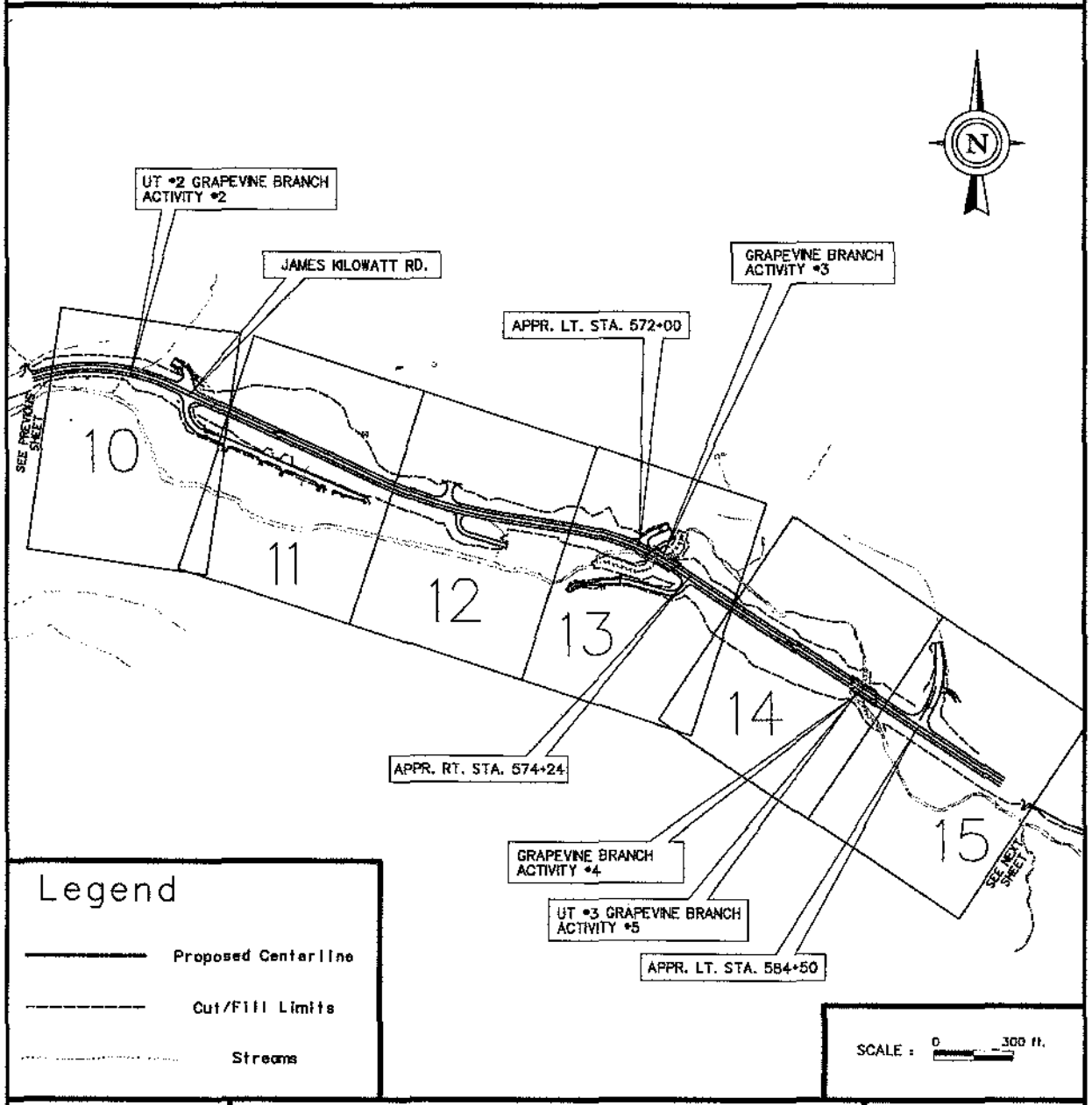
WV-10
U306-10-13.36



Legend

Proposed Centerline

Cut/Fill Limits

Streams

SCALE : 0 300 ft.

West Virginia Division of Highways
Cabell County

Date:
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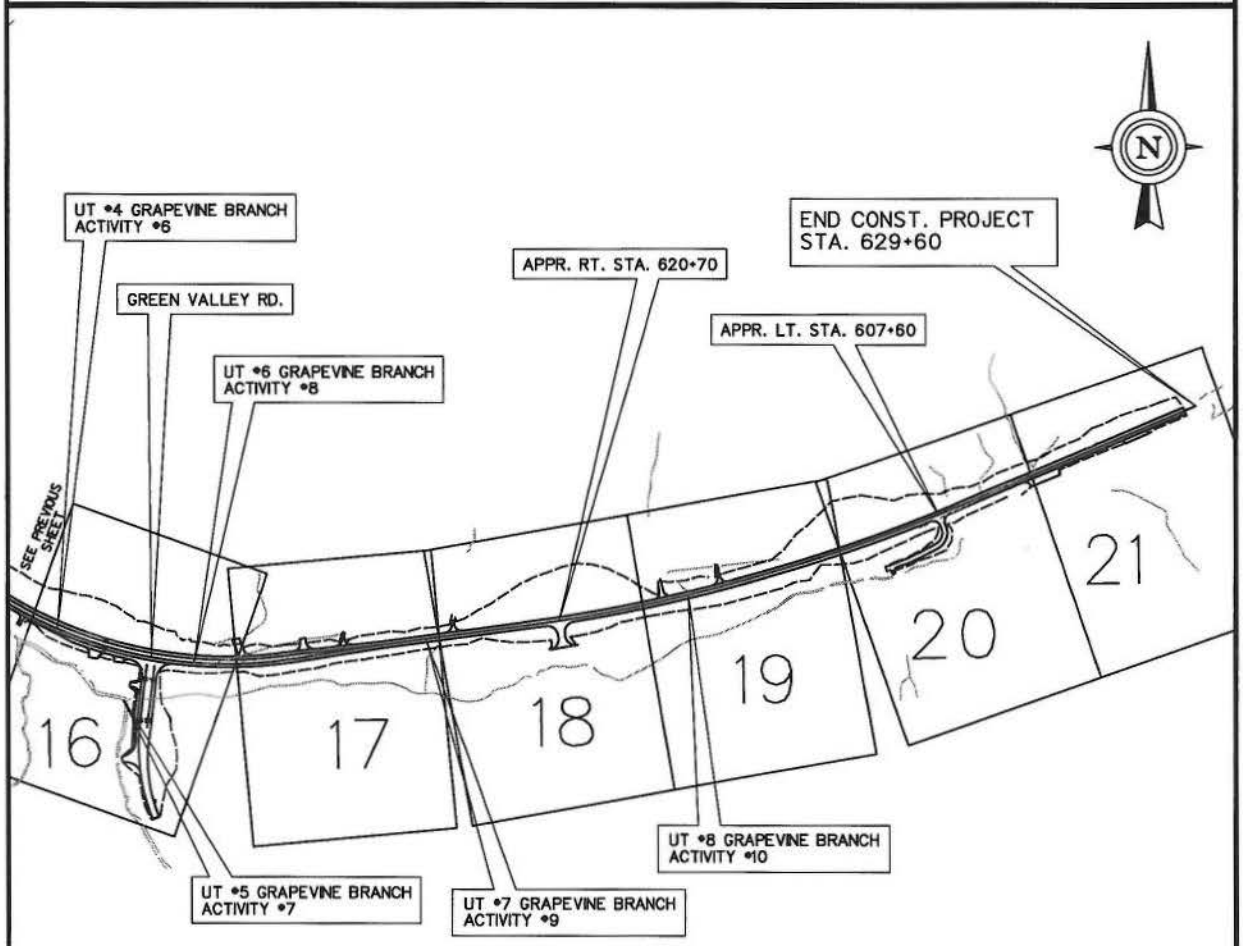
WV-10
U306-10-13.36



Legend

Proposed Centerline

Cut/Fill Limits

Streams

SCALE : 0 300 ft.

West Virginia Division of Highways
Cabell County

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WV-10
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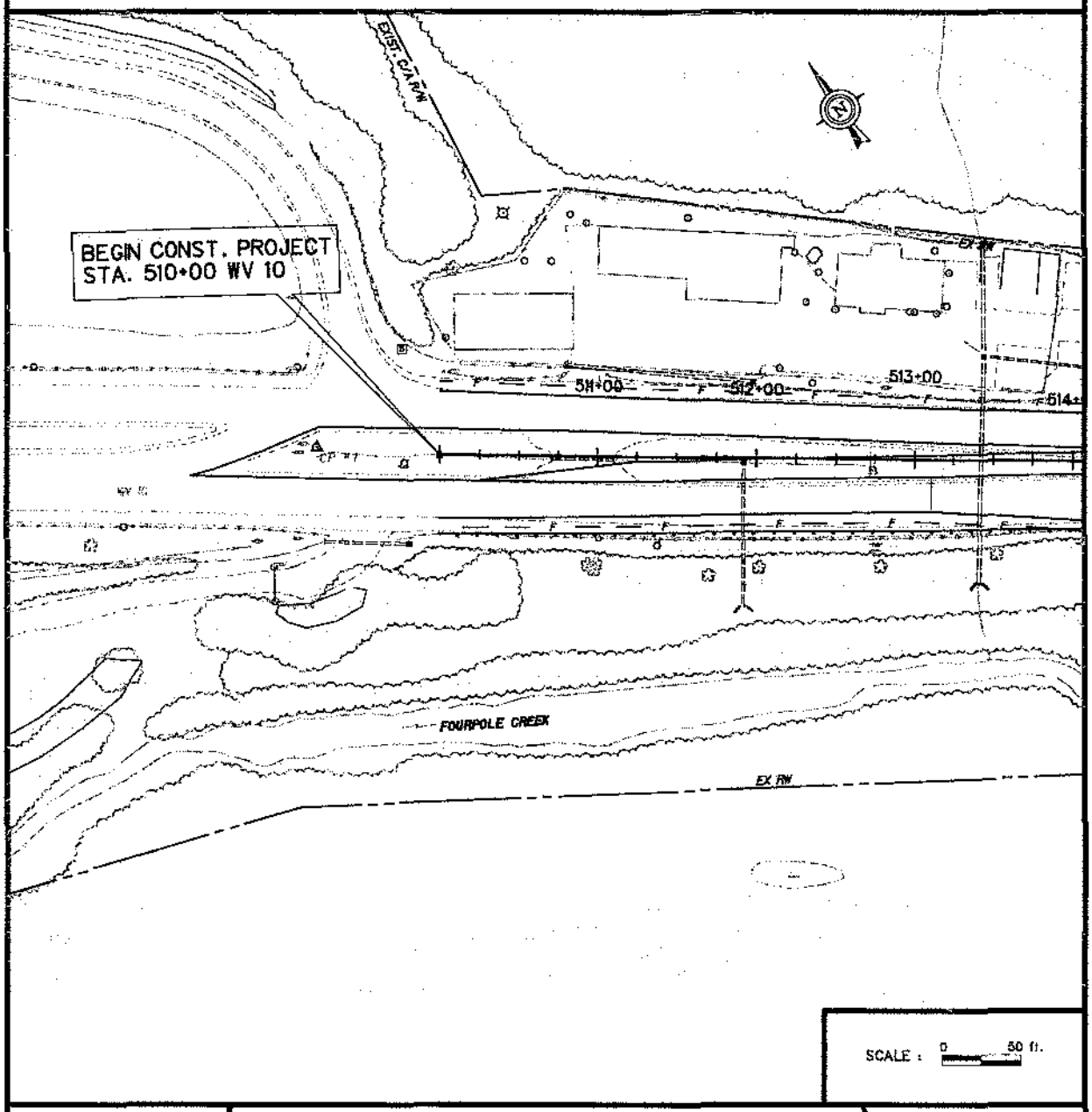

West Virginia Division of Highways
Cabell County

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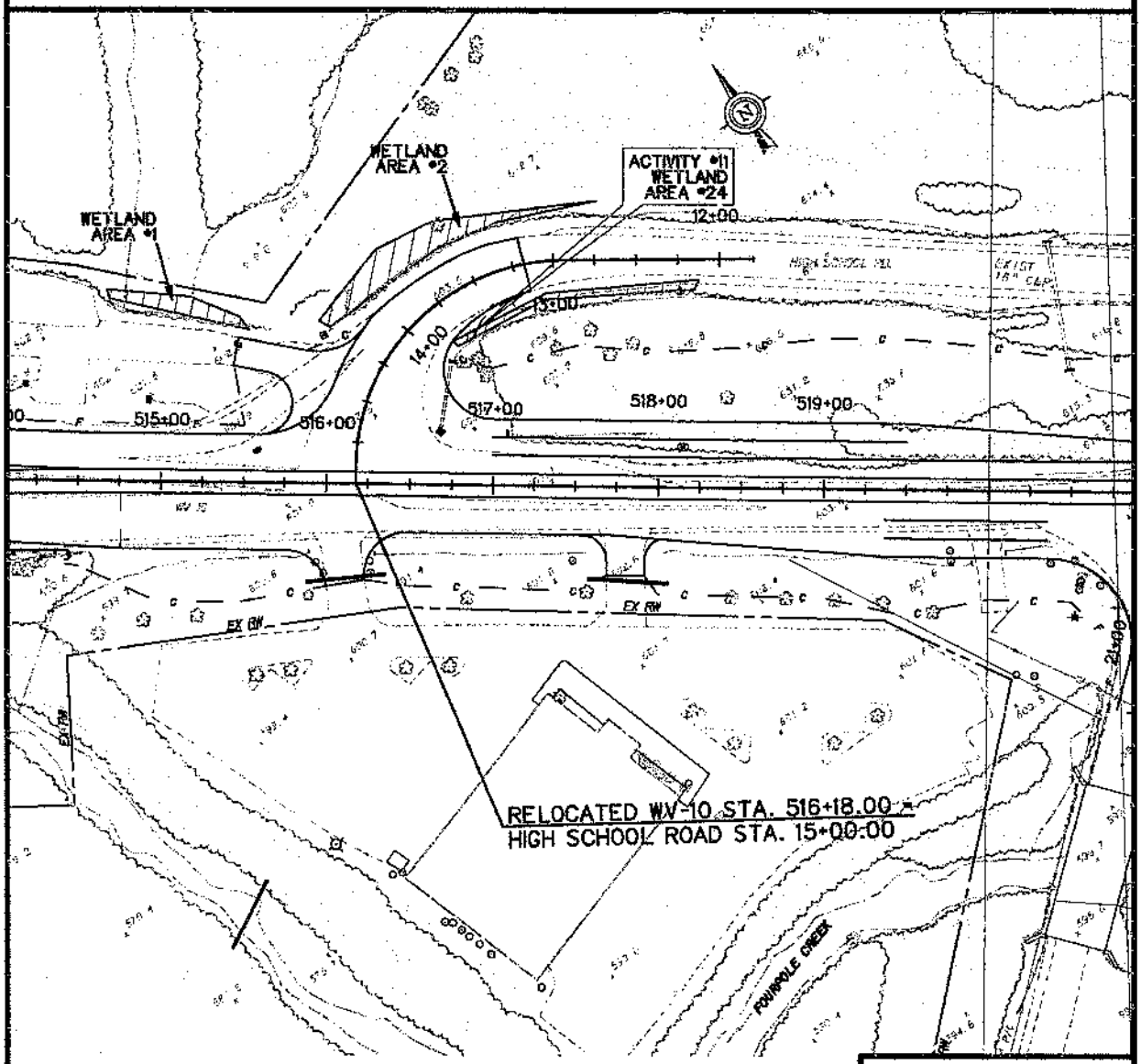

West Virginia Division of Highways
Cabell County

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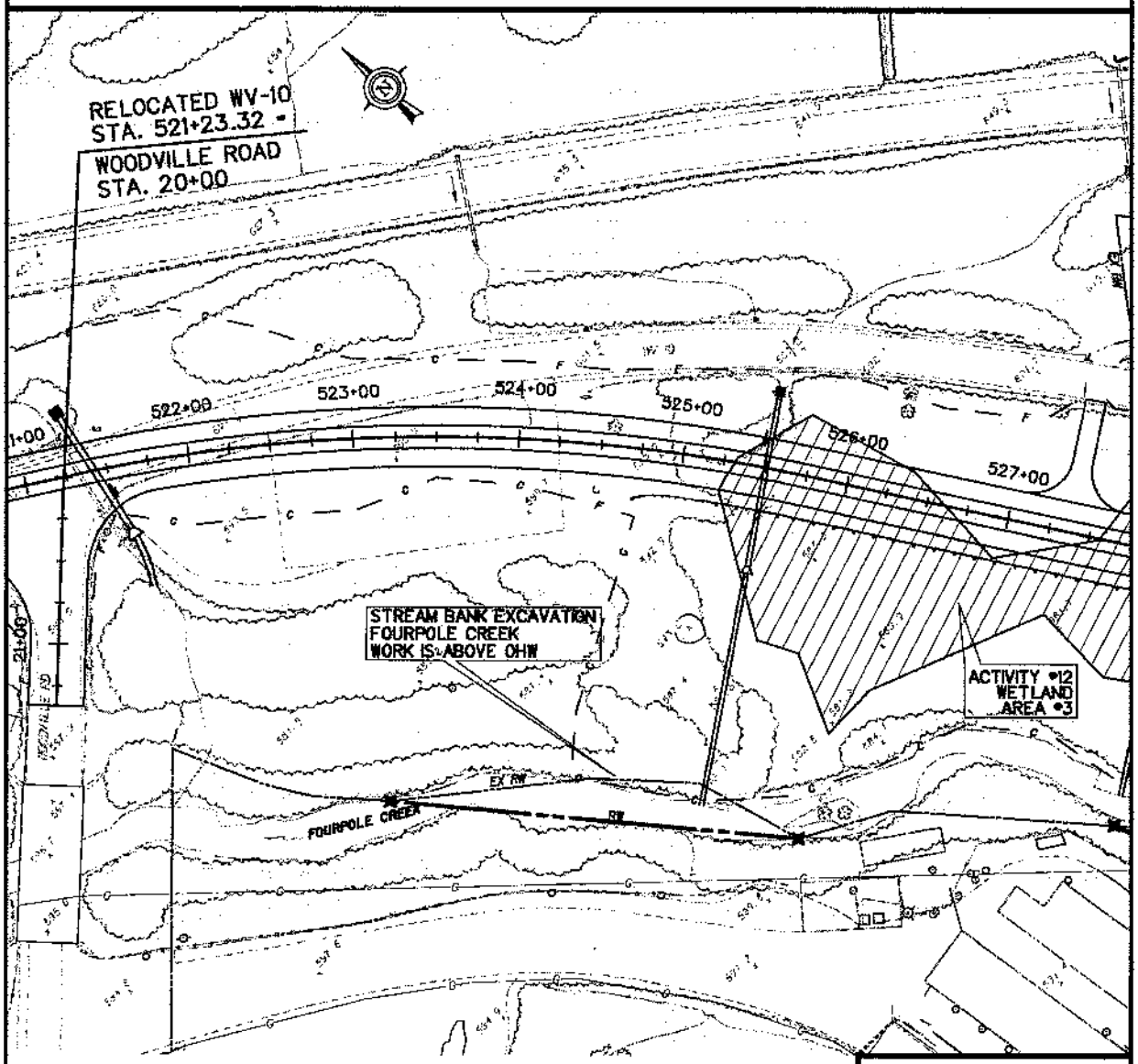

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West Virginia Division of Highways
Cabell County

Date:
09/2014

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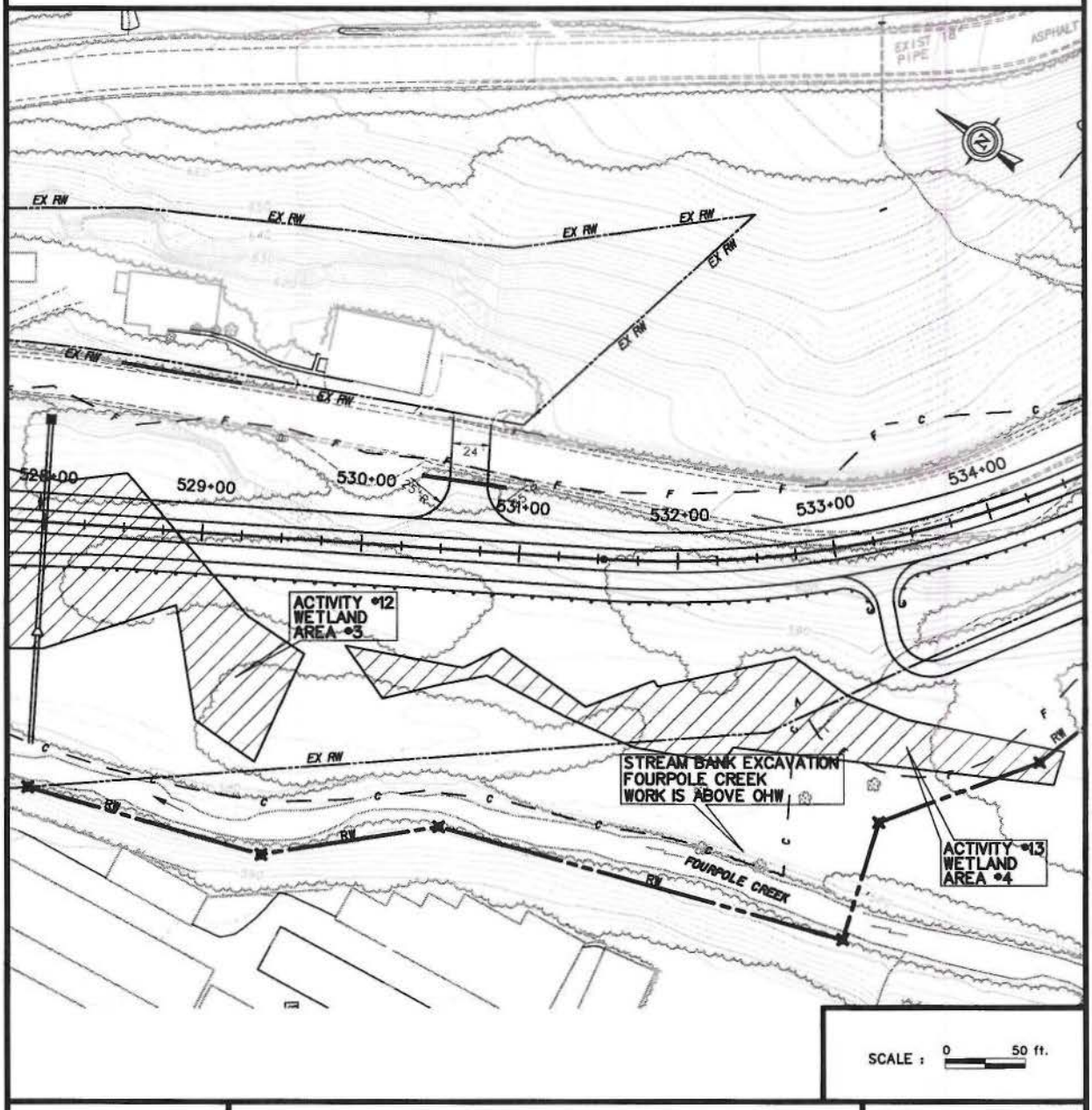
WV-10
U306-10-13.36



West Virginia Division of Highways
Cabell County

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WV-10
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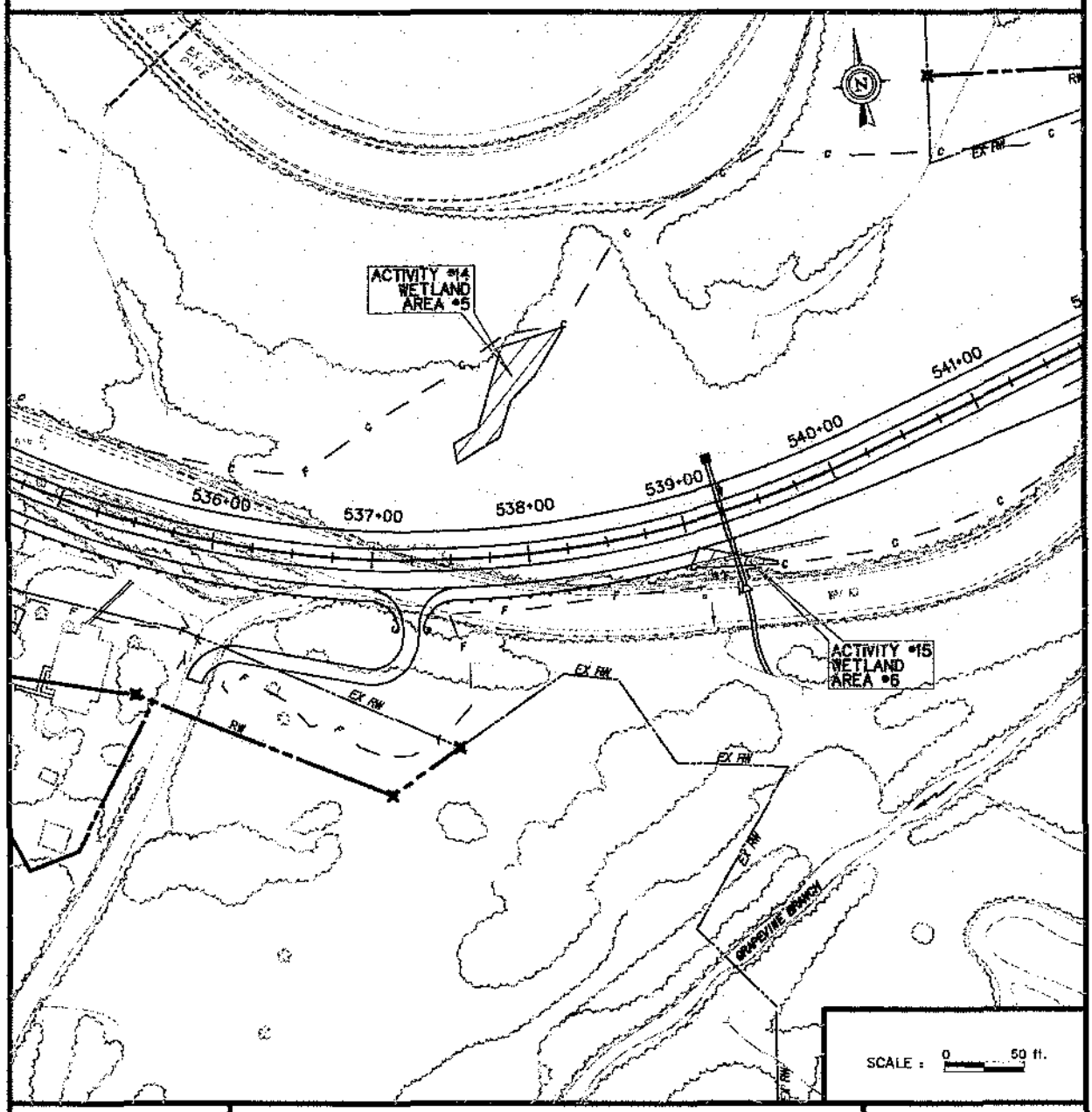

West Virginia Division of Highways
Cabell County

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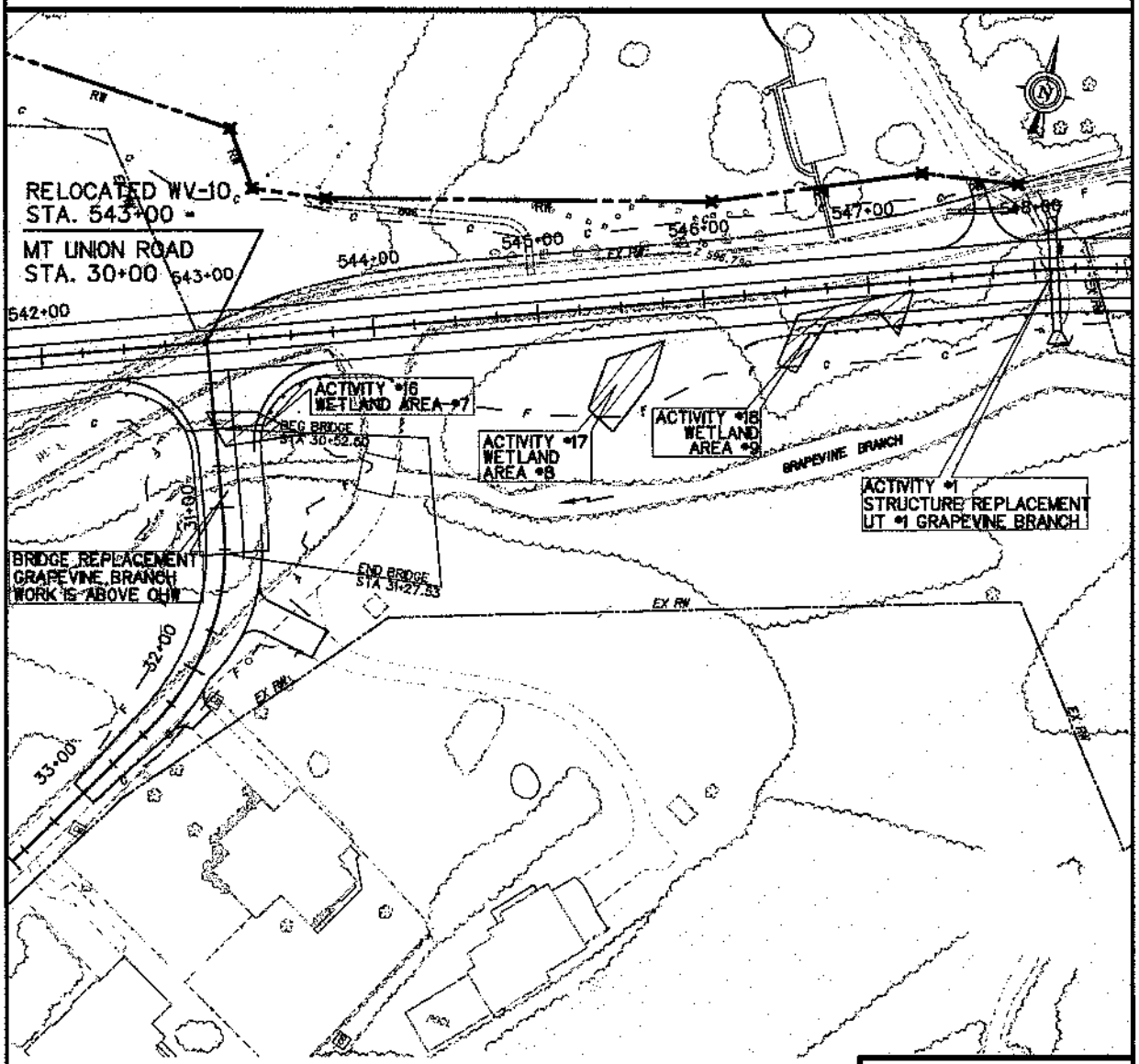
WV-10
U306-10-13.36



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West Virginia Division of Highways
Cabell County

Date:
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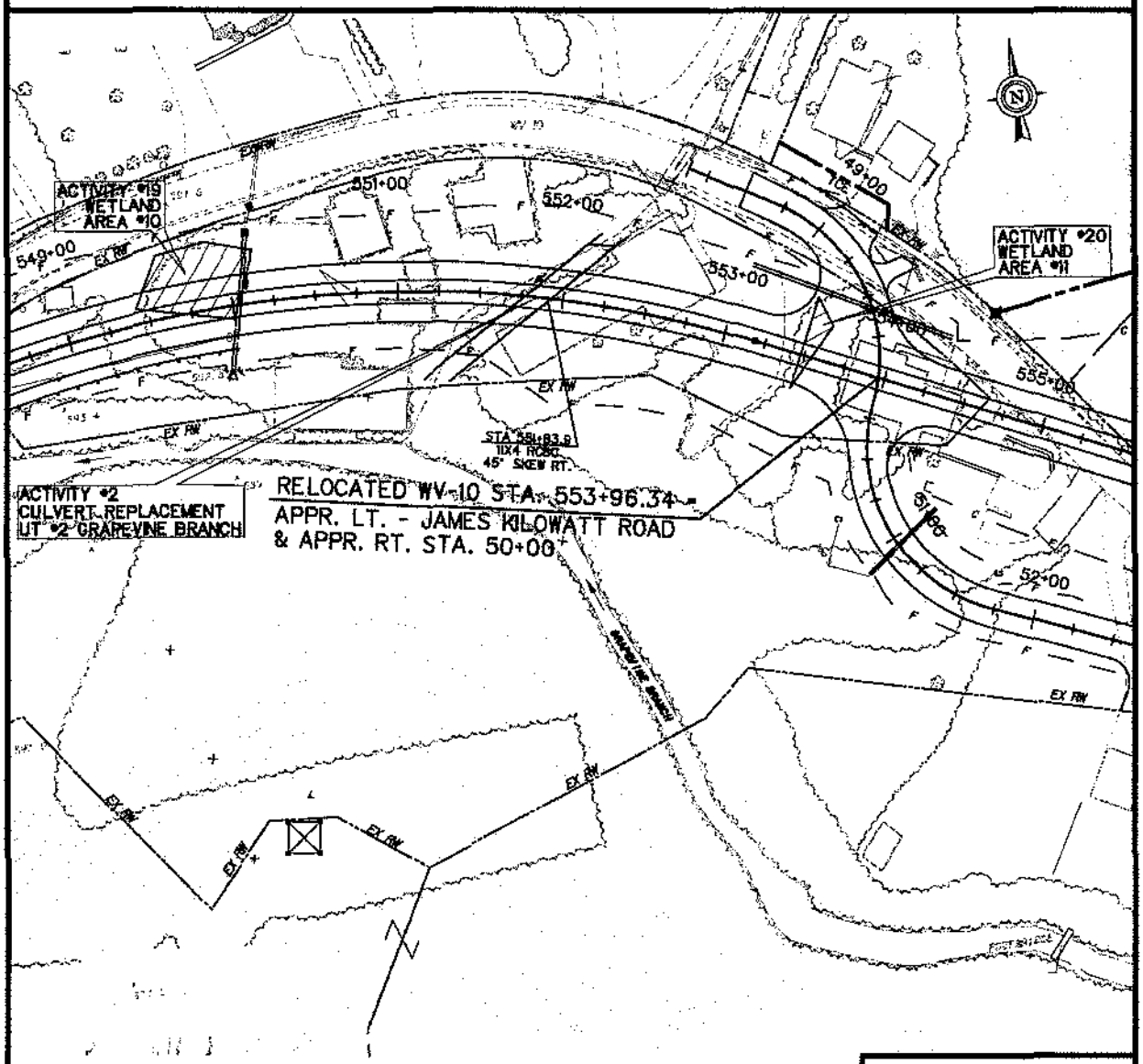
WV-10
U306-10-13.36



West Virginia Division of Highways
Cabell County

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WV-10
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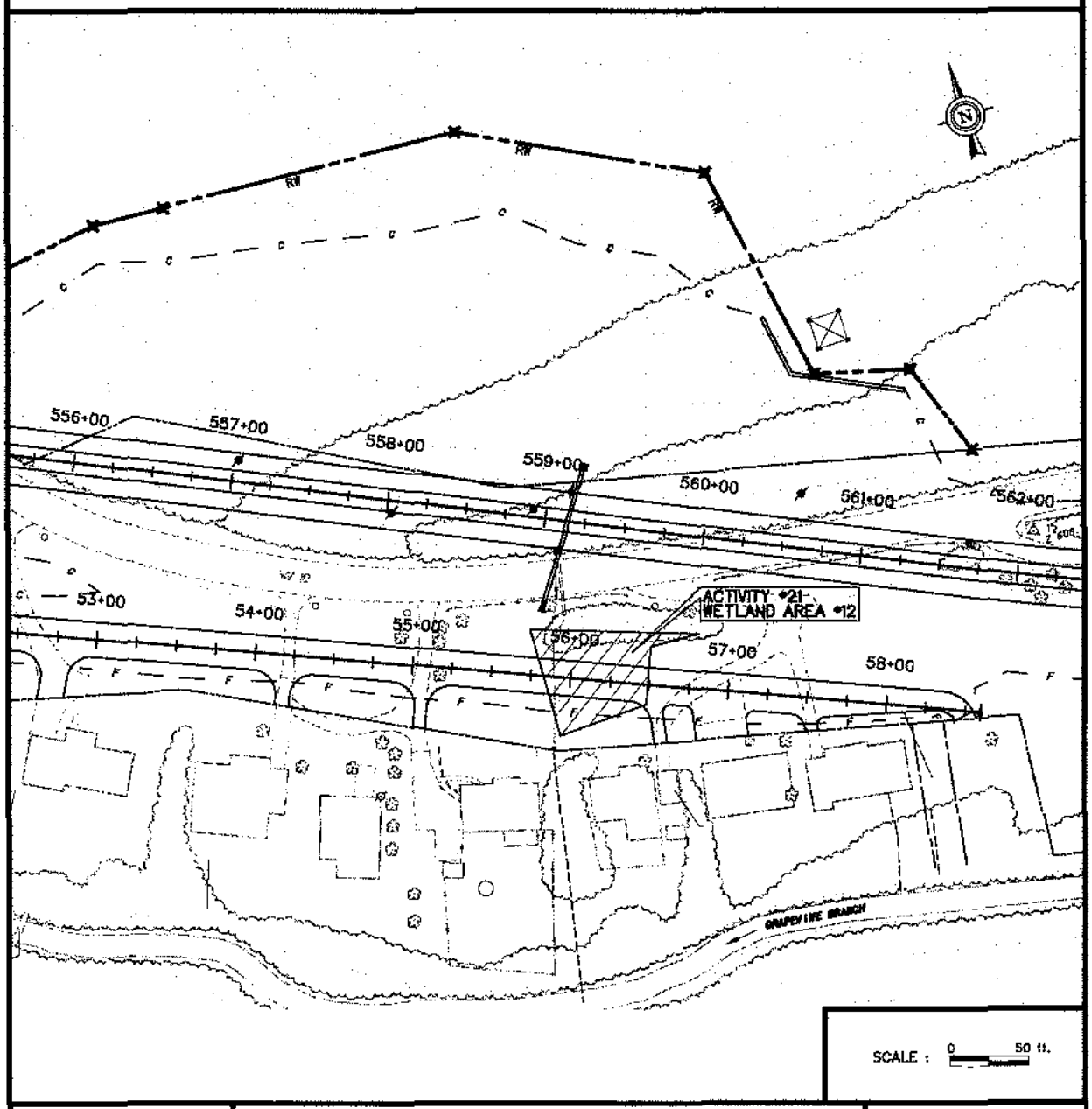

West Virginia Division of Highways
Cabell County

Date:
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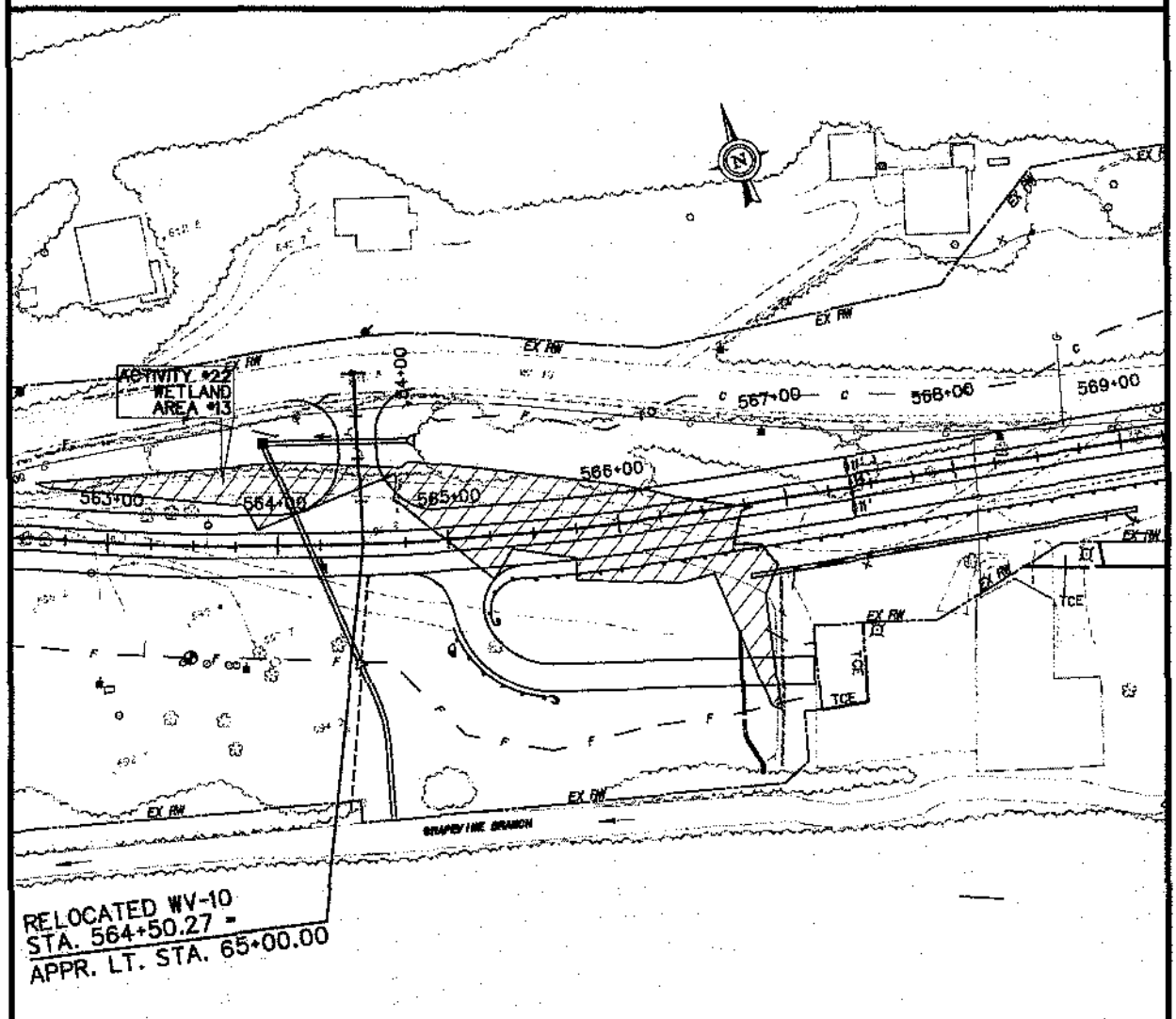
WV-10
U306-10-13.36



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West Virginia Division of Highways
Cabell County

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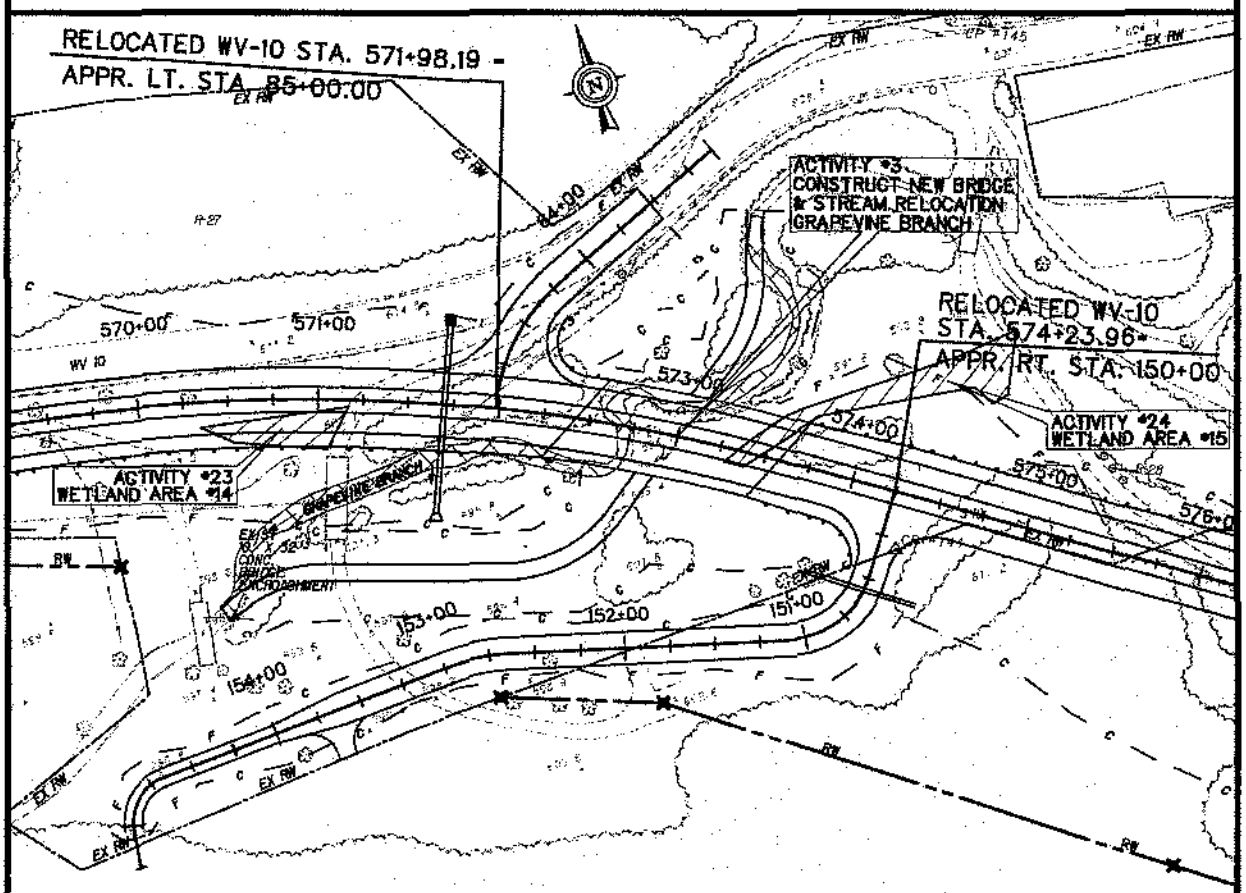
WV-10
U306-10-13.36



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West Virginia Division of Highways
Cabell County

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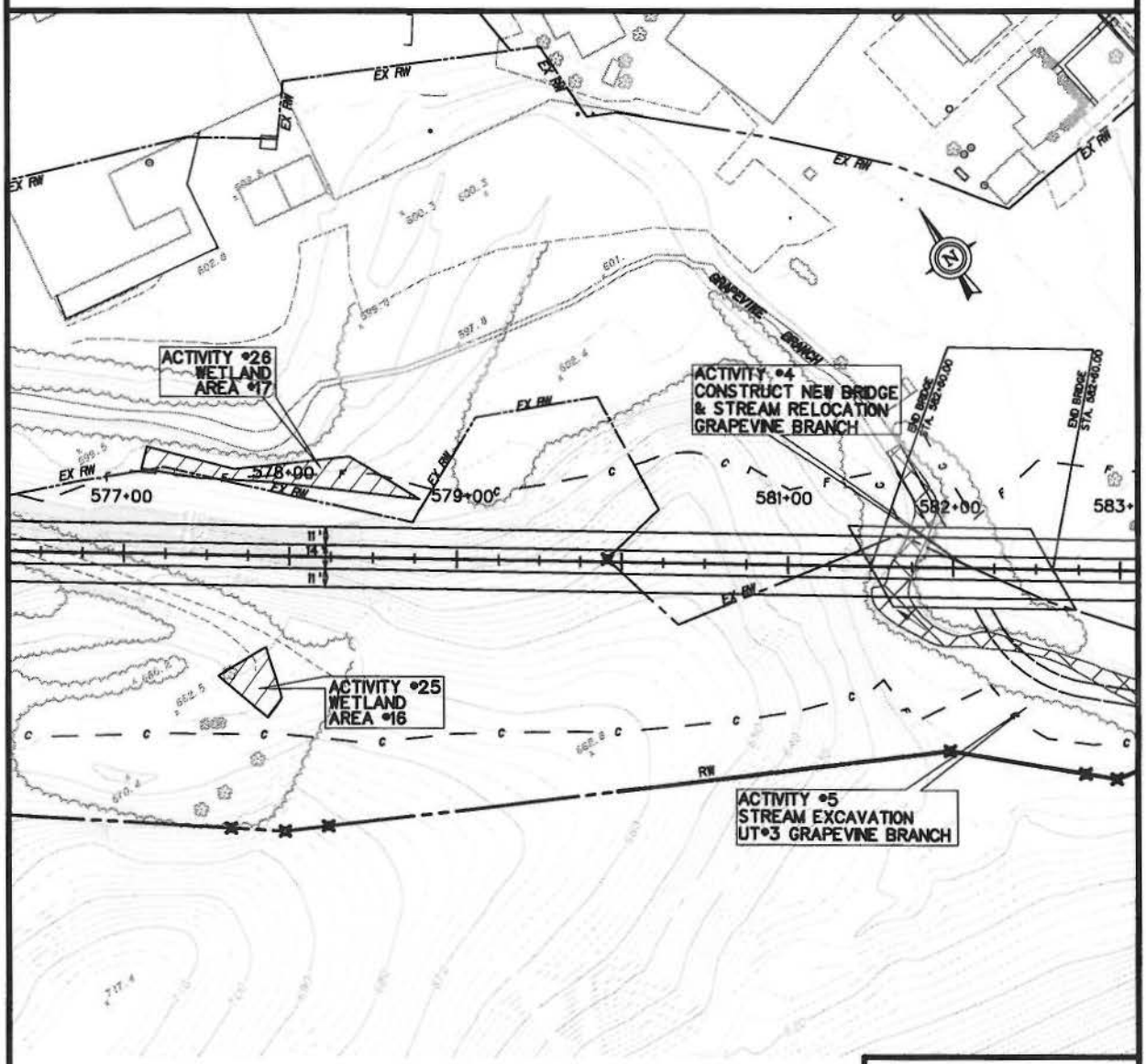
WV-10
U306-10-13.36



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West Virginia Division of Highways
Cabell County

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WV-10
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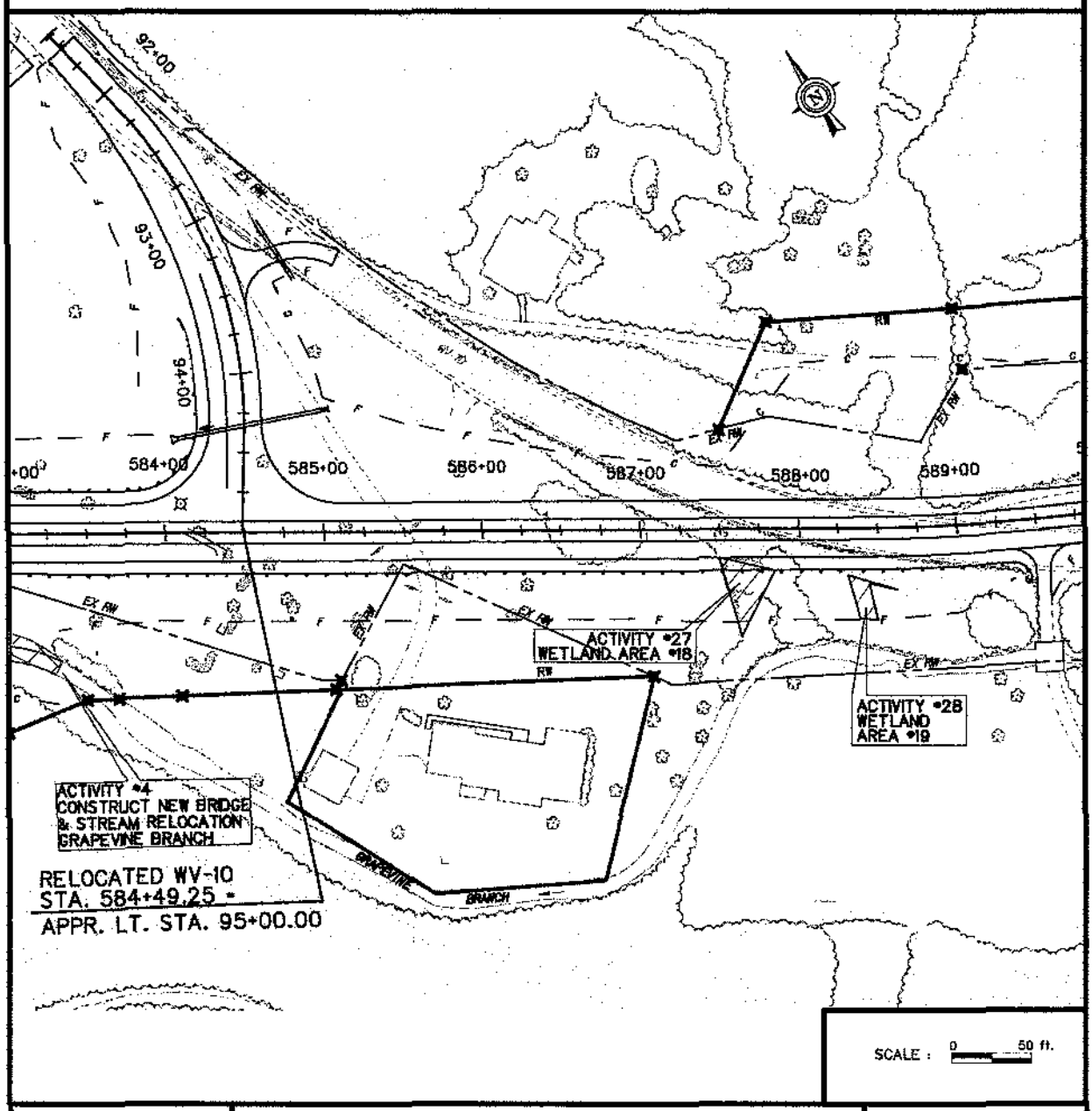

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Cabell County

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WV-10
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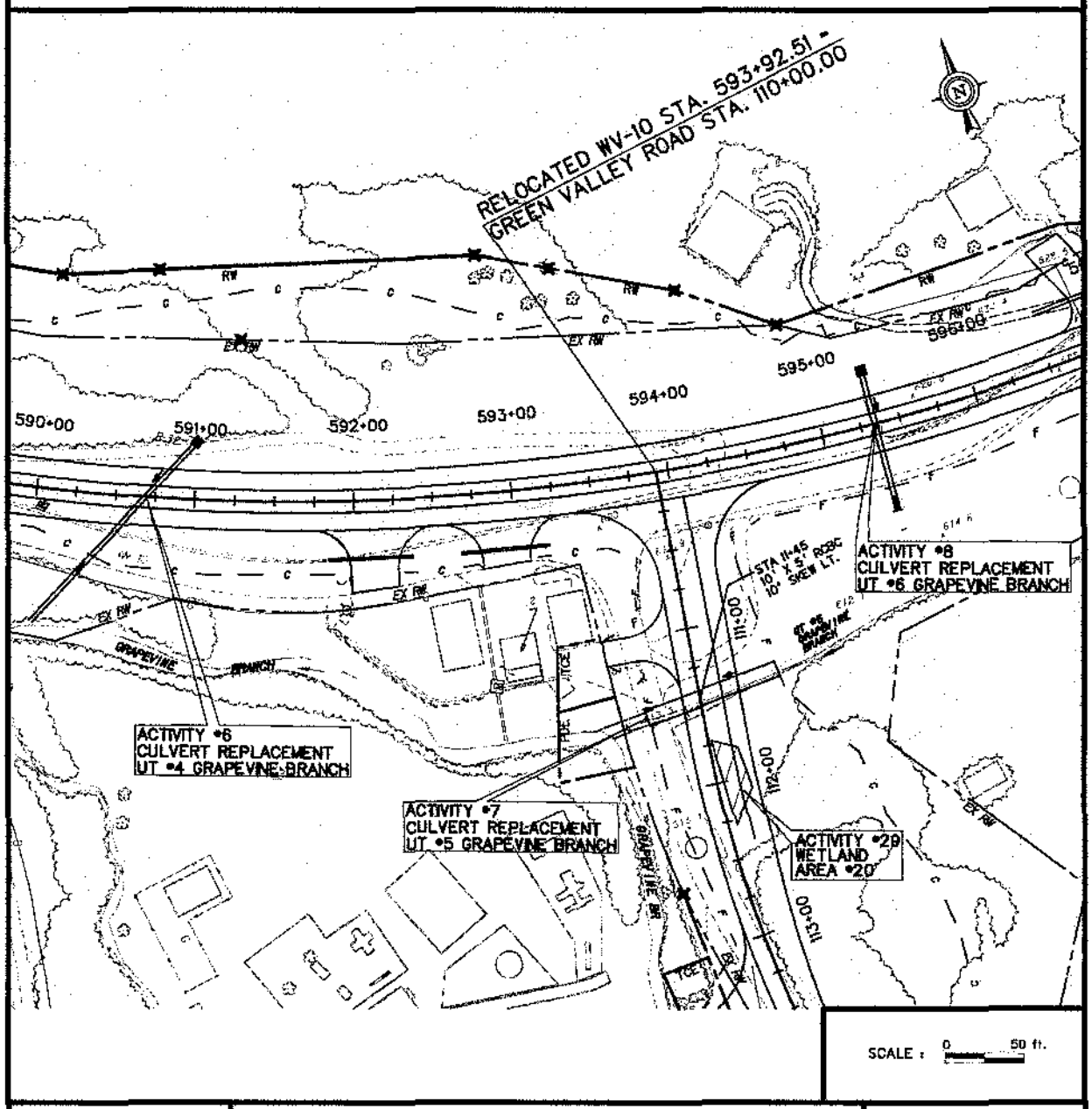

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Cabell County

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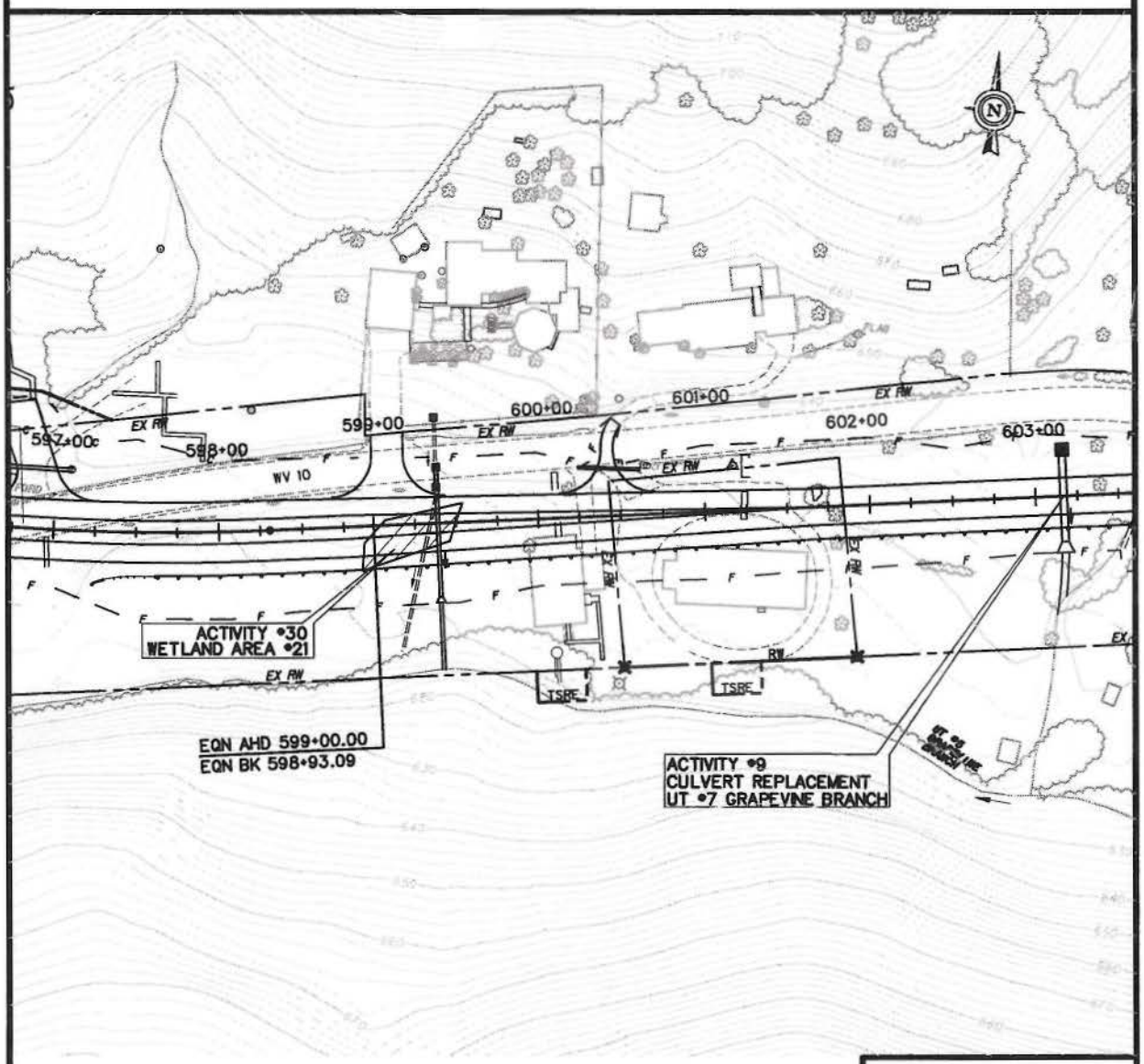

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Cabell County

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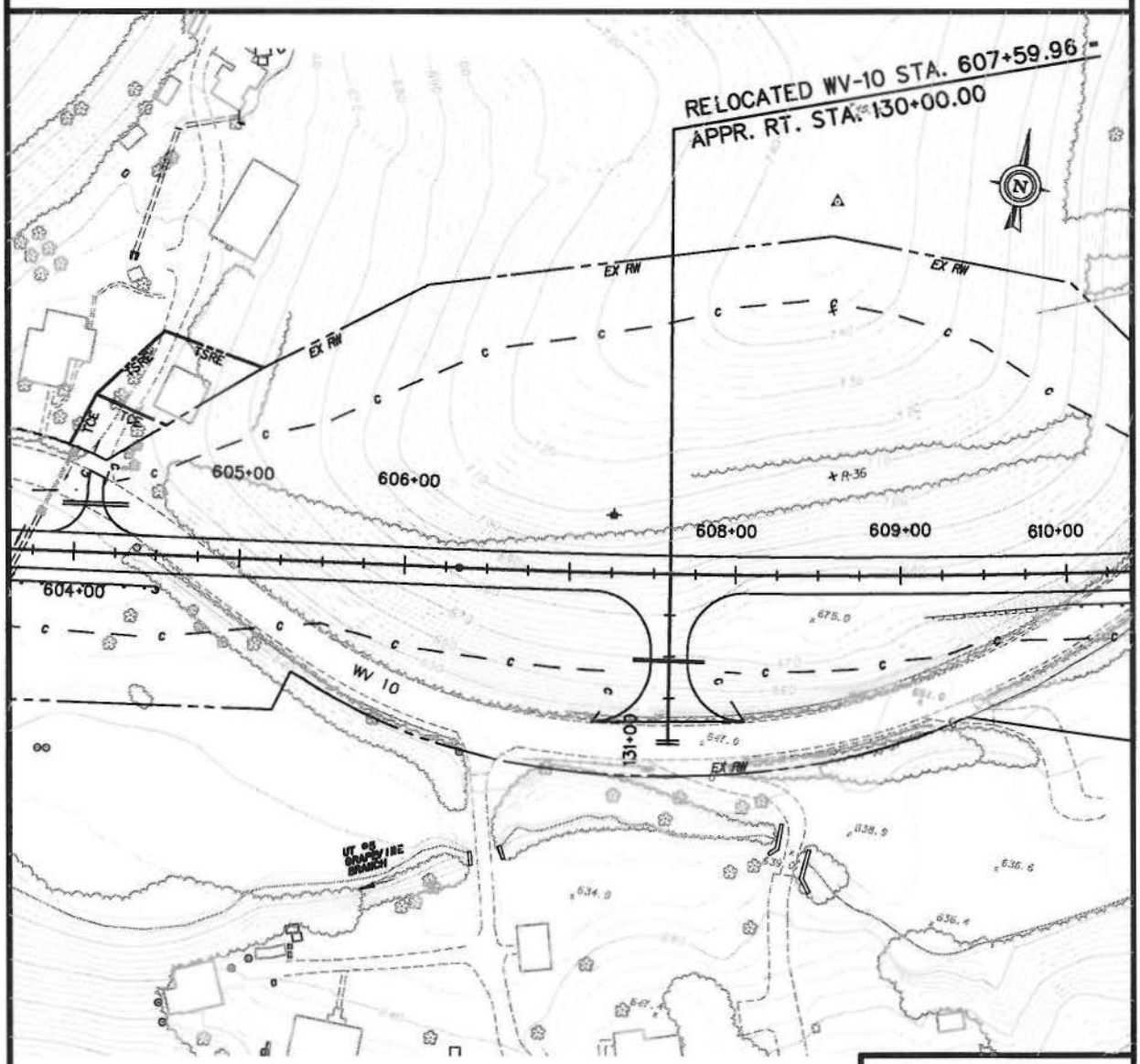
WV-10
U306-10-13.36



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West Virginia Division of Highways
Cabell County

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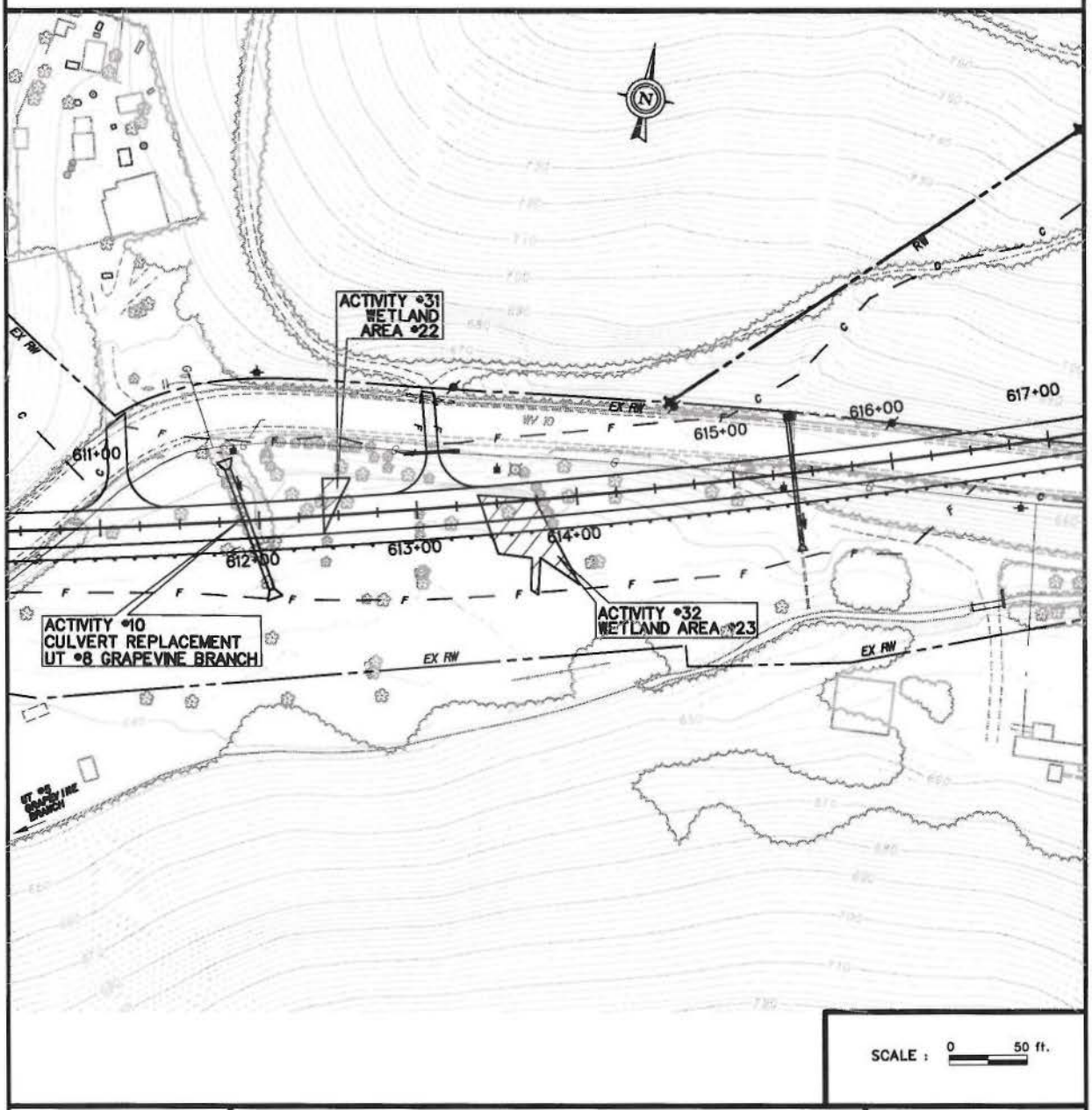

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Cabell County

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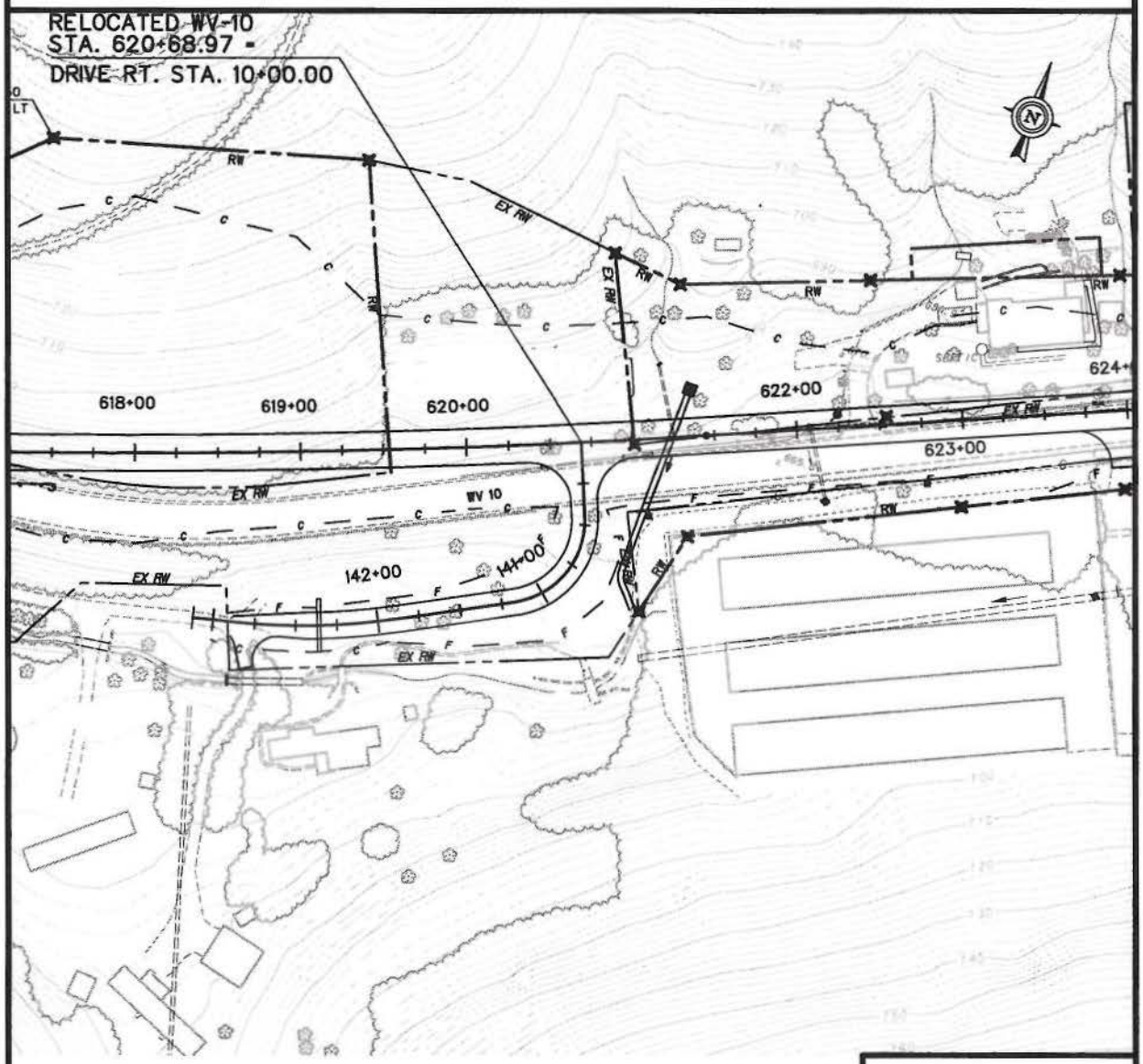

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Cabell County

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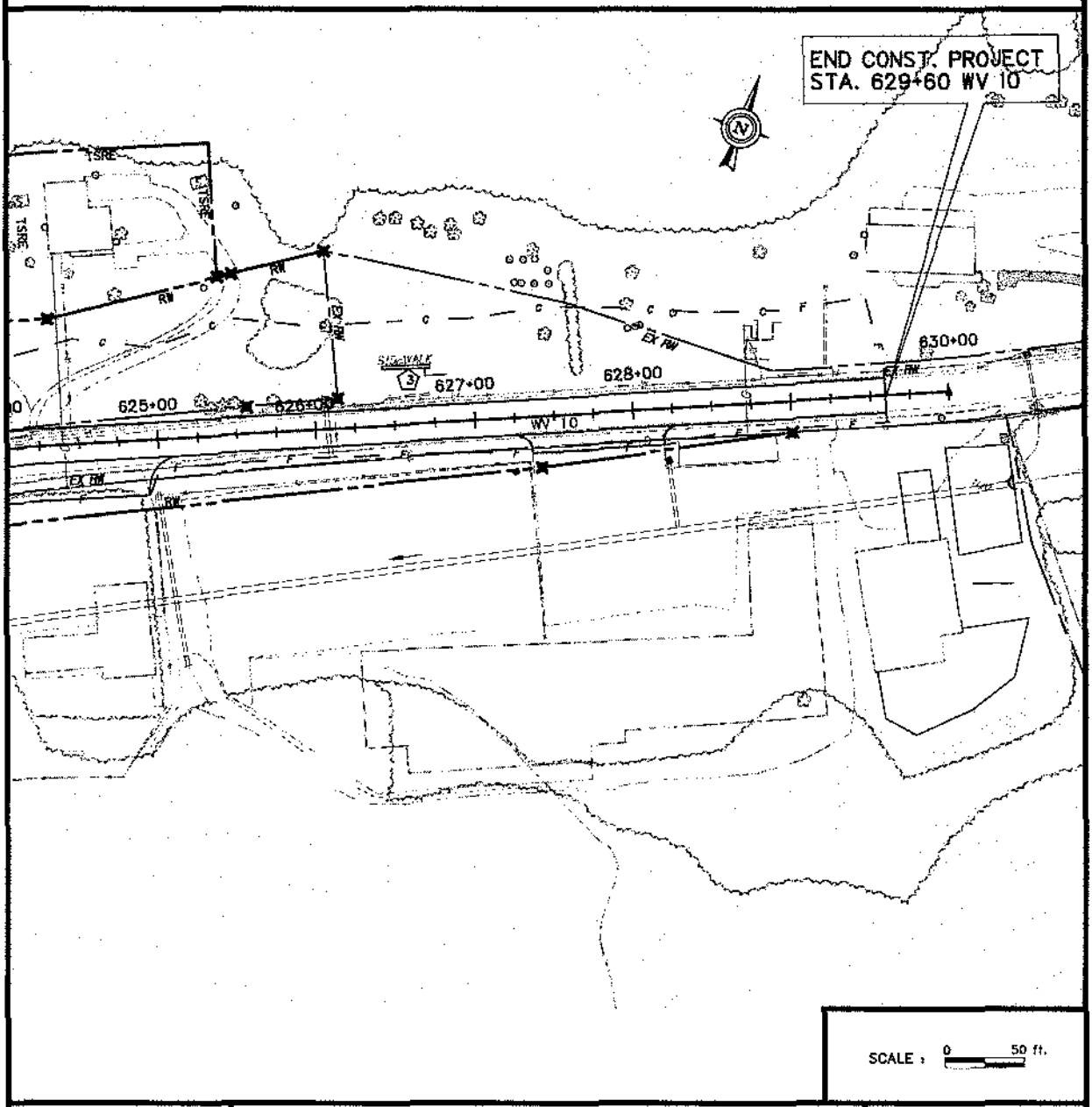

SCALE : 0 50 ft.

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Cabell County

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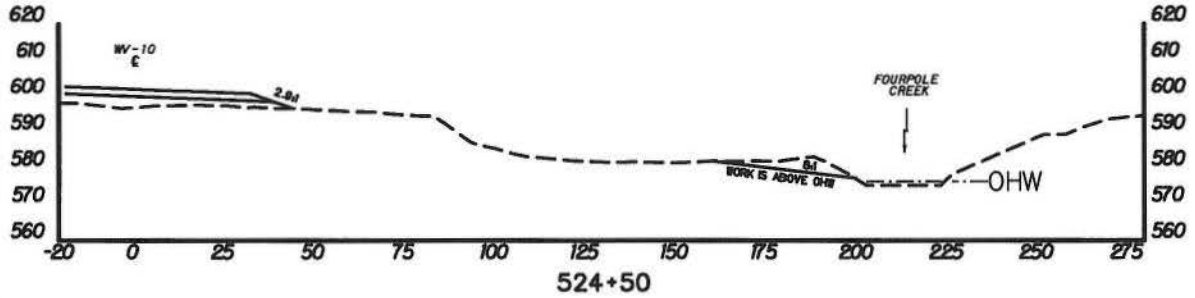

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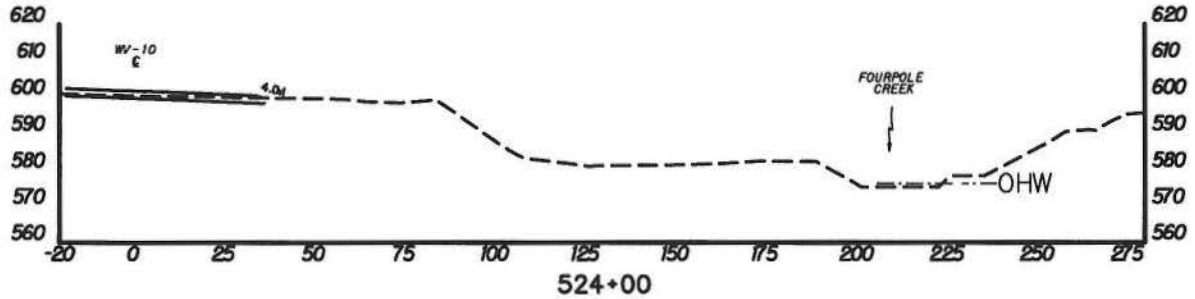

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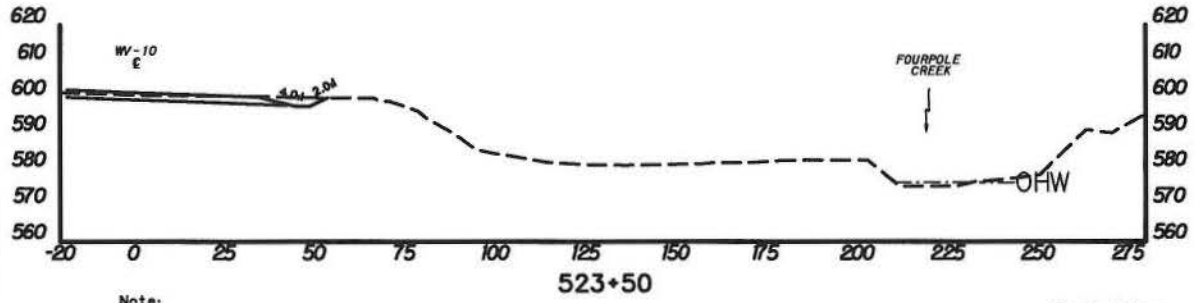

523+50

Note:

12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

	West Virginia DivisionHighways Cabell County -	Date: 09/2014

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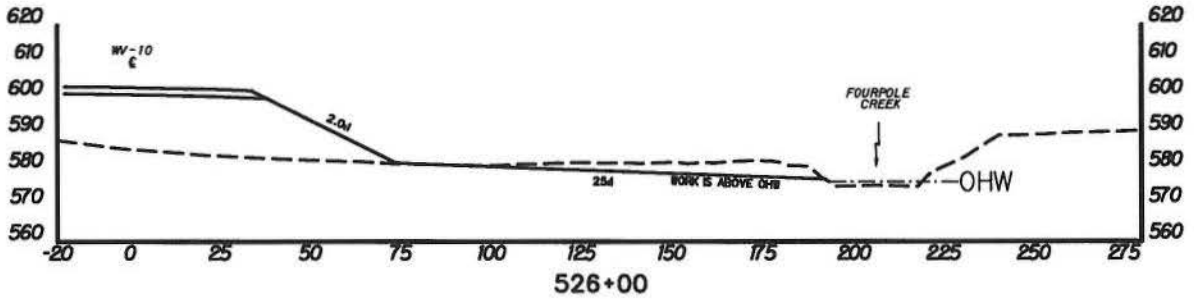
WV-10
U306-10-13.36



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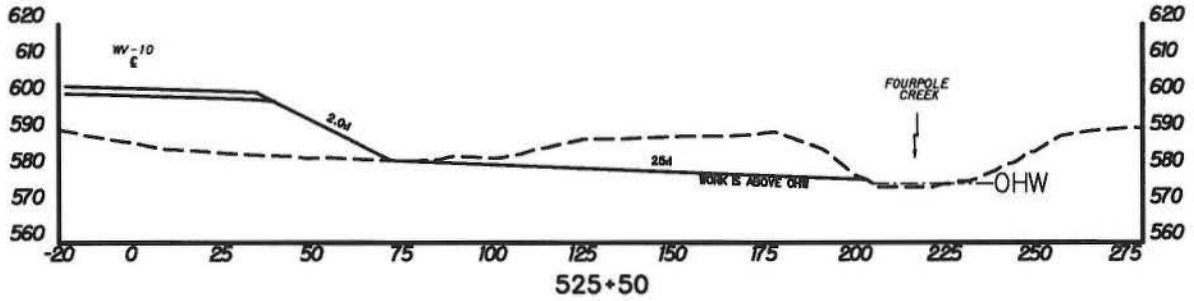

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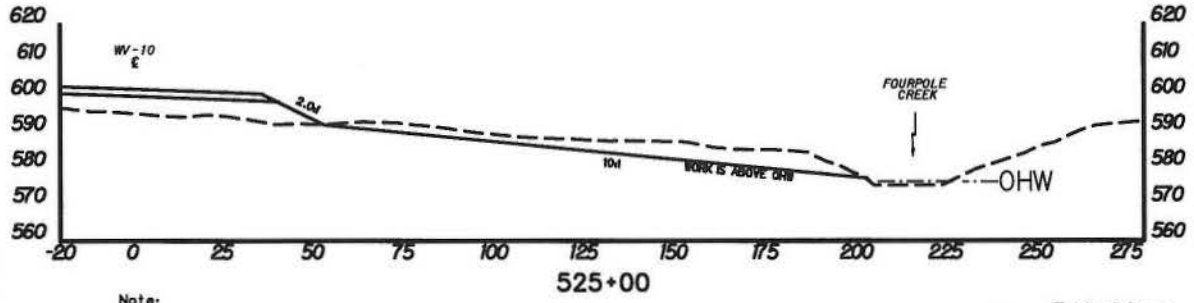

525+00

Note:

12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

	West Virginia DivisionHighways Cabell County	Date: 09/2014

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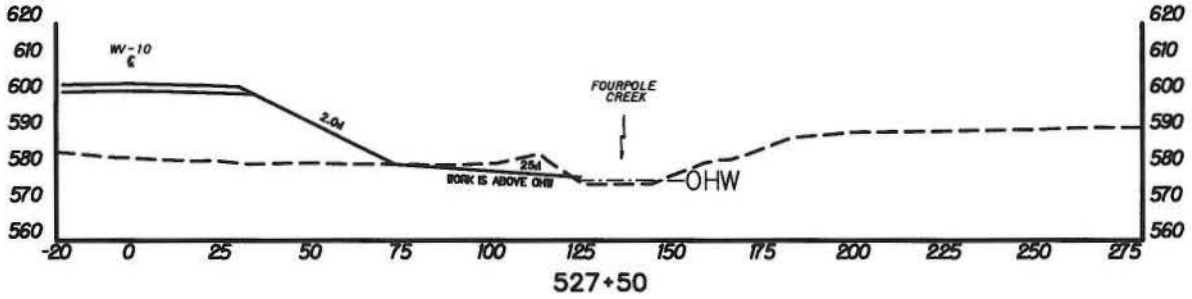
U306-10-13.36



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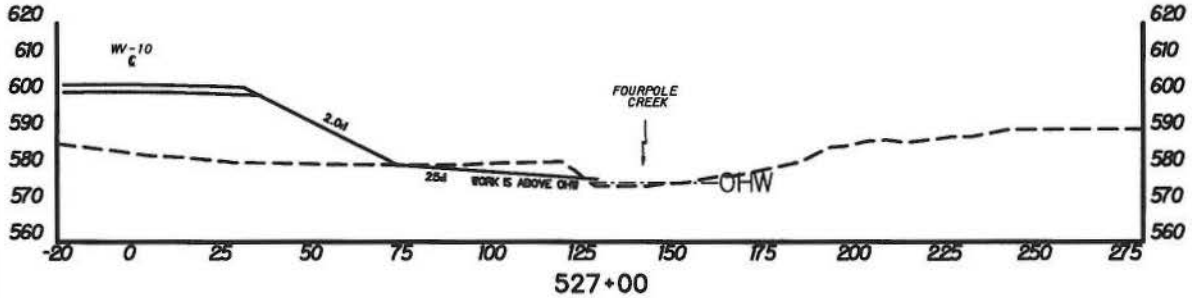

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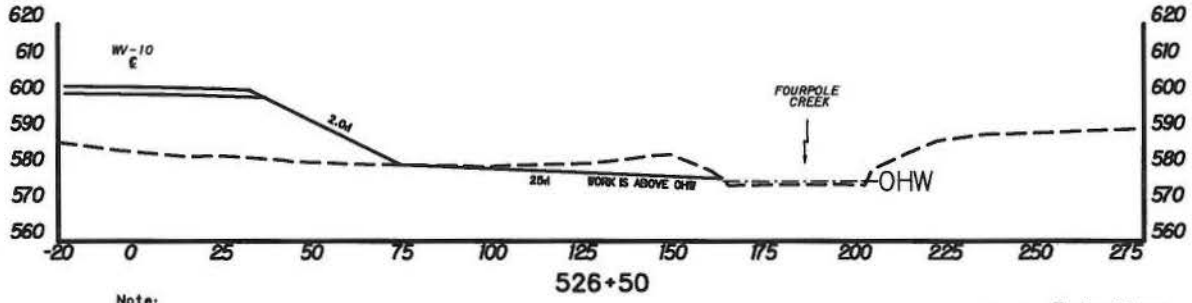

526+50

Note:
12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

West Virginia DivisionHighways
Cabell County

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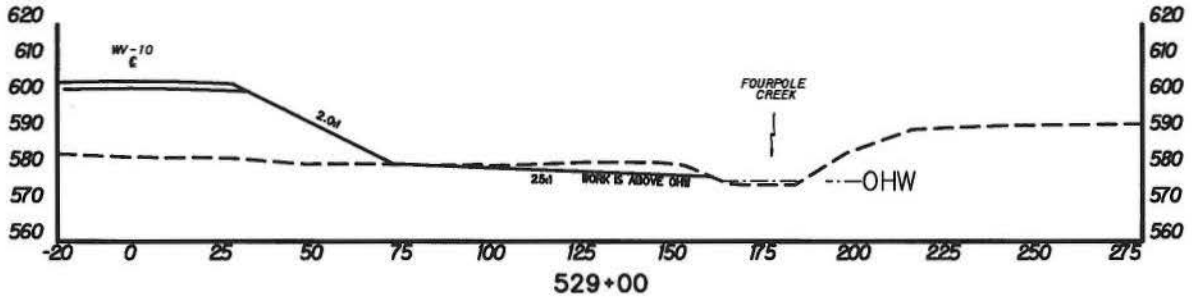

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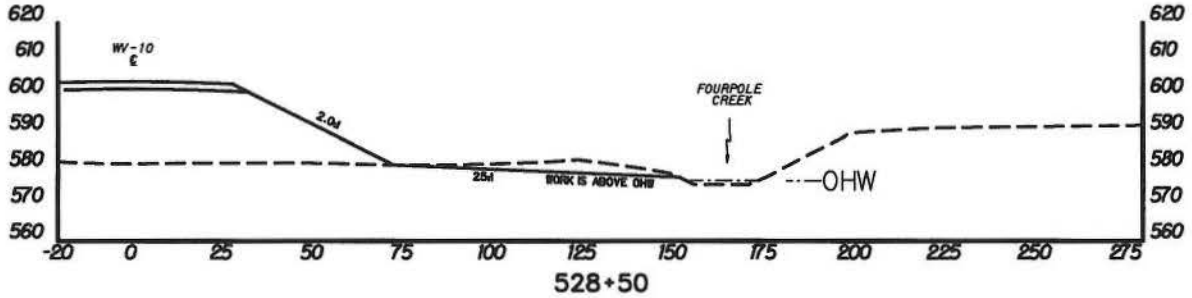

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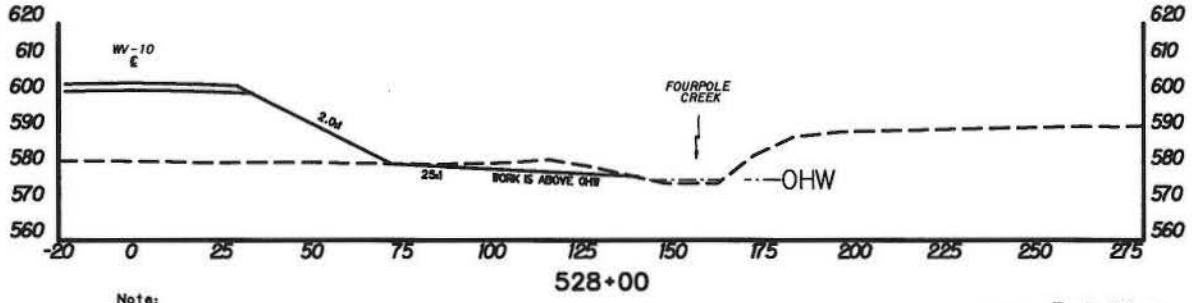

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Note:

12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

West Virginia DivisionHighways
Cabell County

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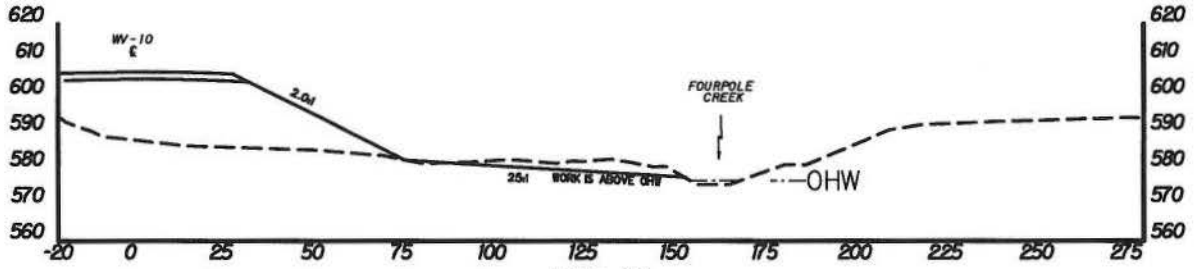

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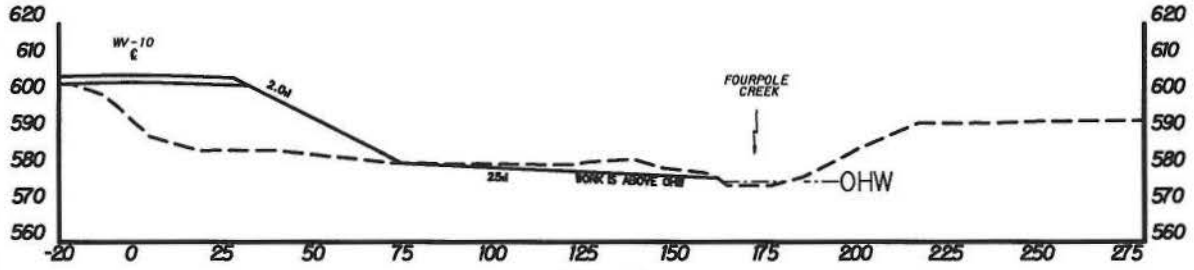

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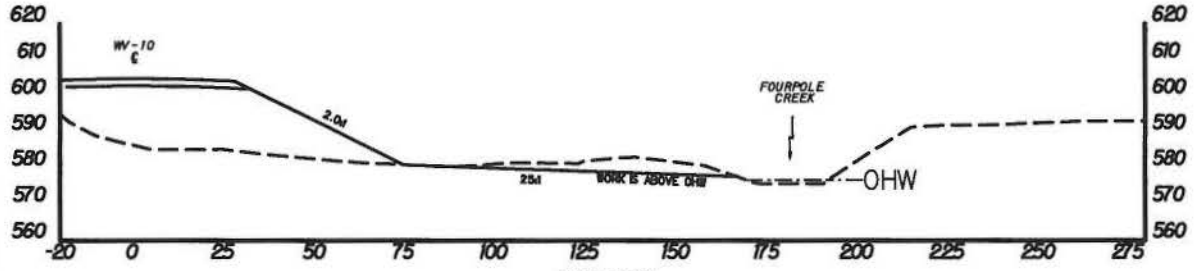

529+50

Note:
12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

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Cabell County

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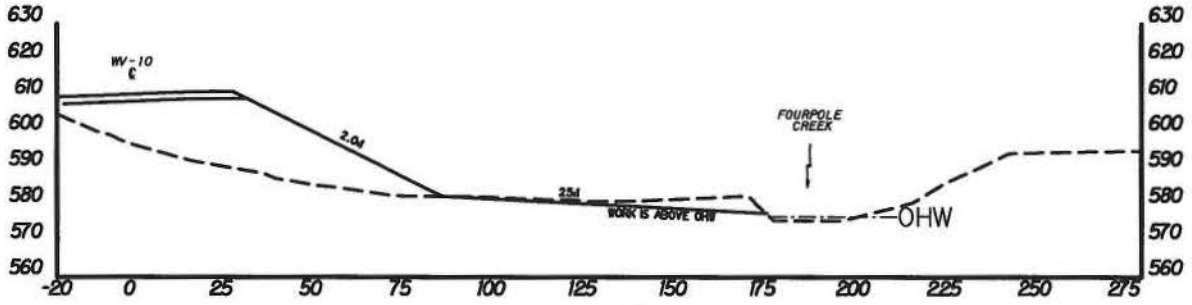

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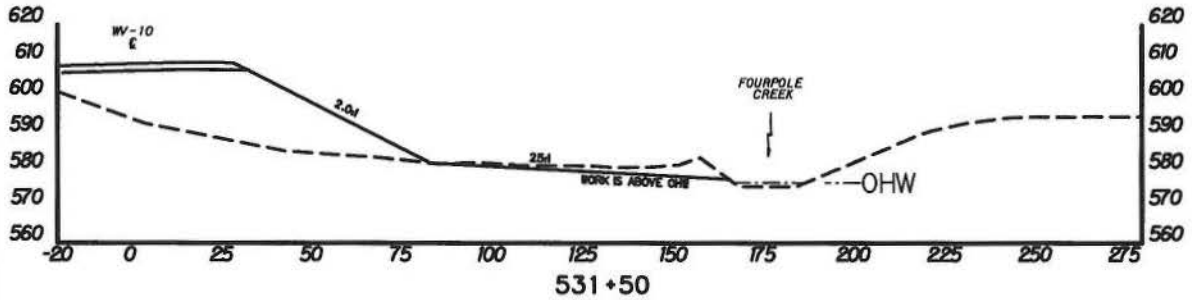

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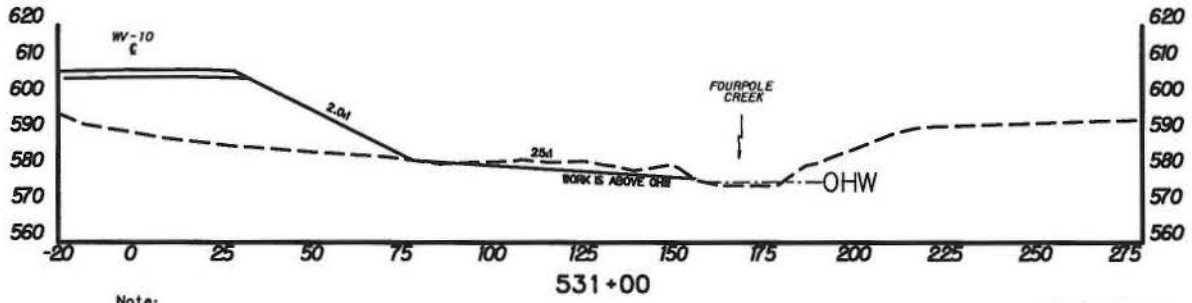

531+00

Note:

12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

West Virginia DivisionHighways
Cabell County

Date:
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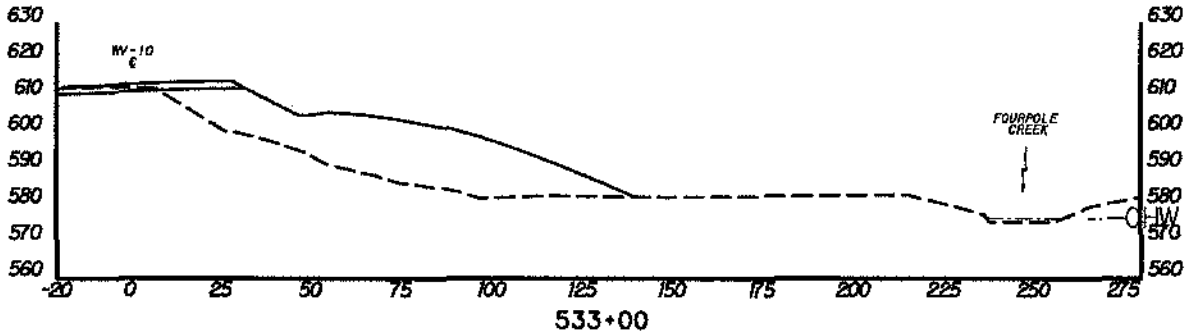

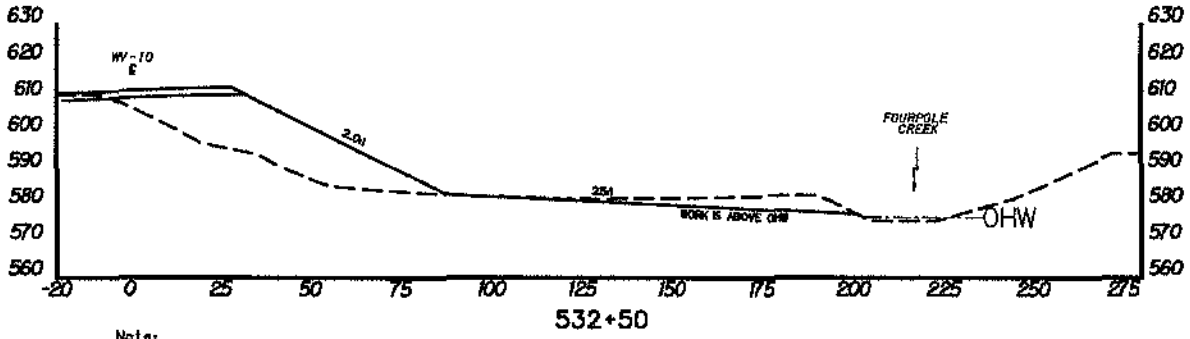

Note:

12" Normal flow condition observed on Fourpole Creek

---- Existing
—— Proposed

STREAM BANK EXCAVATION FOURPOLE CREEK
NO EXCAVATION WILL BE BELOW OHW

West Virginia DivisionHighways
Cabell County

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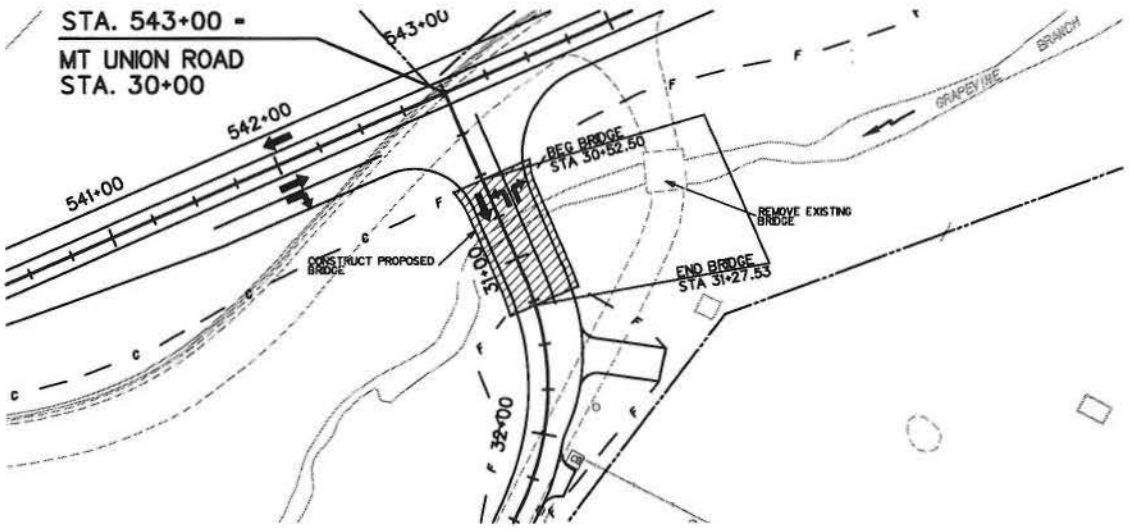

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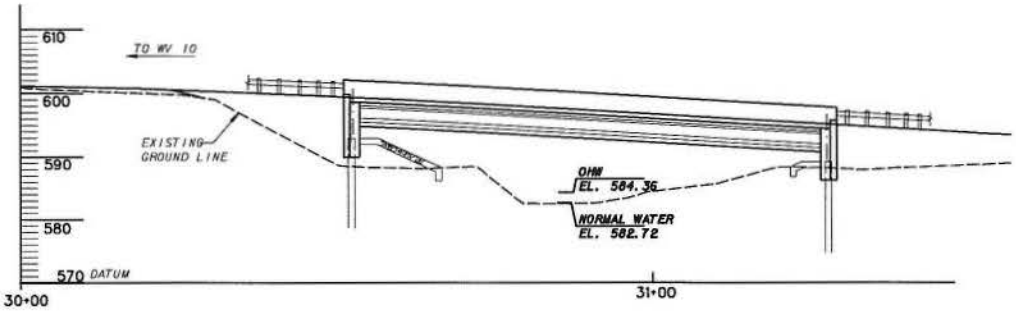

ELEVATION VIEW OF STRUCTURE

NOT TO SCALE

BRIDGE REPLACEMENT GRAPEVINE BRANCH
NO FILL WILL BE PLACED BELOW OHW

West Virginia Division of Highways
Cabell County

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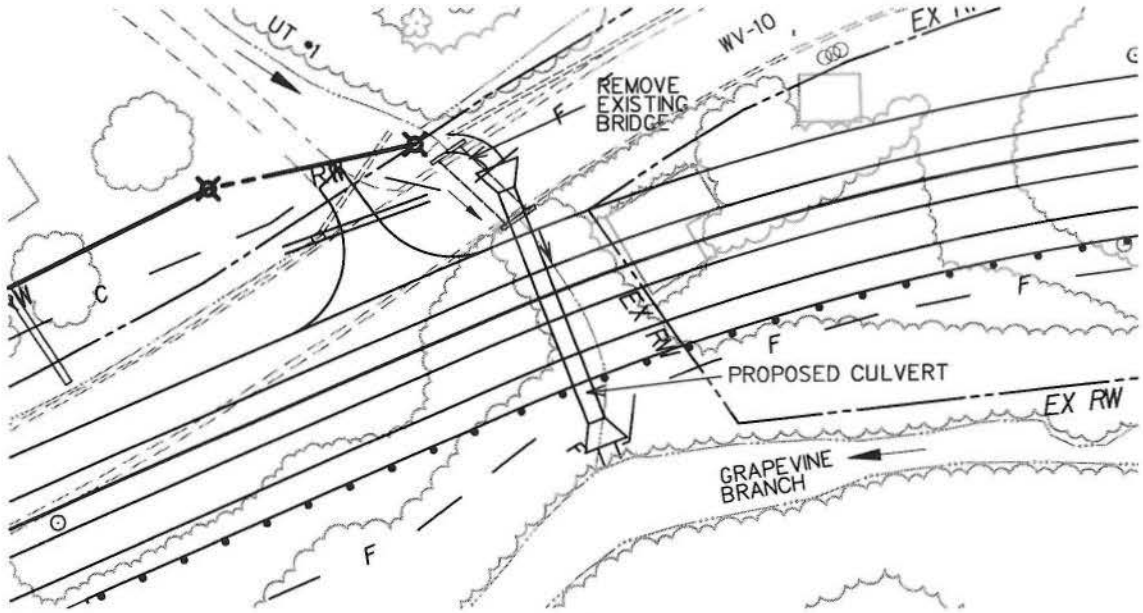

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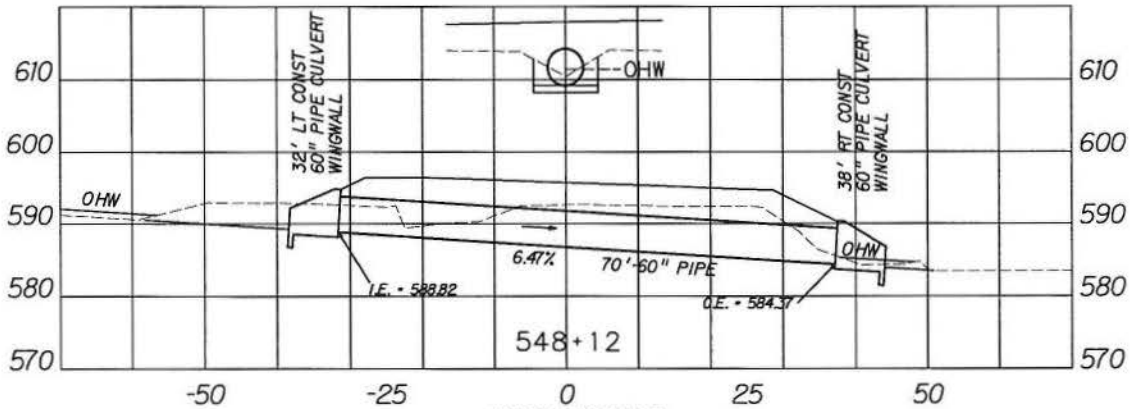

PIPE PROFILE

ACTIVITY #1

STRUCTURE REPLACEMENT STA. 548+12

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Cabell County

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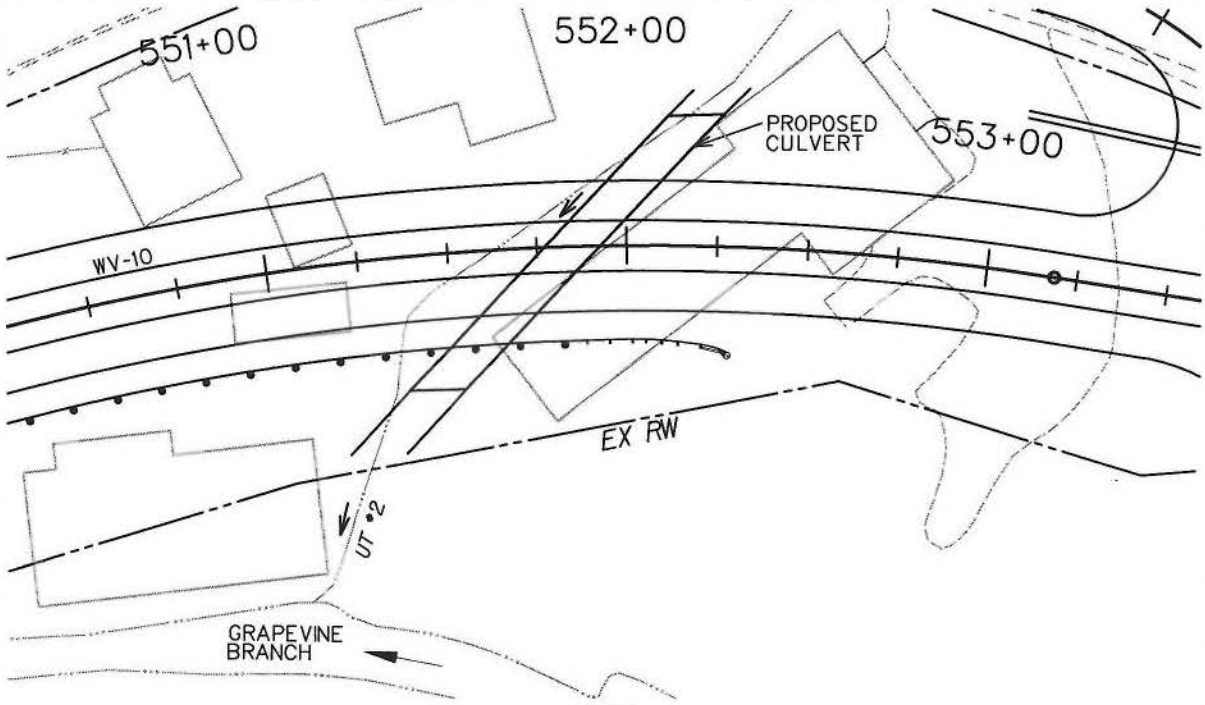
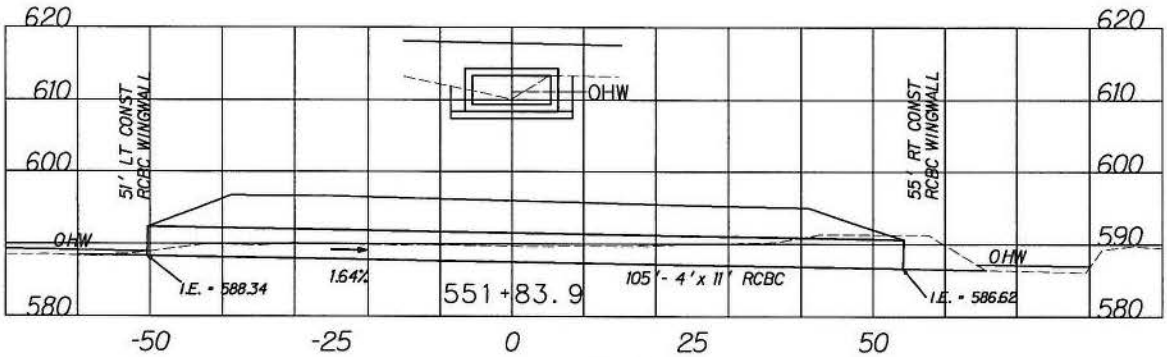
WV-10
U306-10-13.36



PLAN



PIPE PROFILE

ACTIVITY #2

CULVERT PLACEMENT STA. 551+83.9

---- Existing
—— Proposed

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Cabell County

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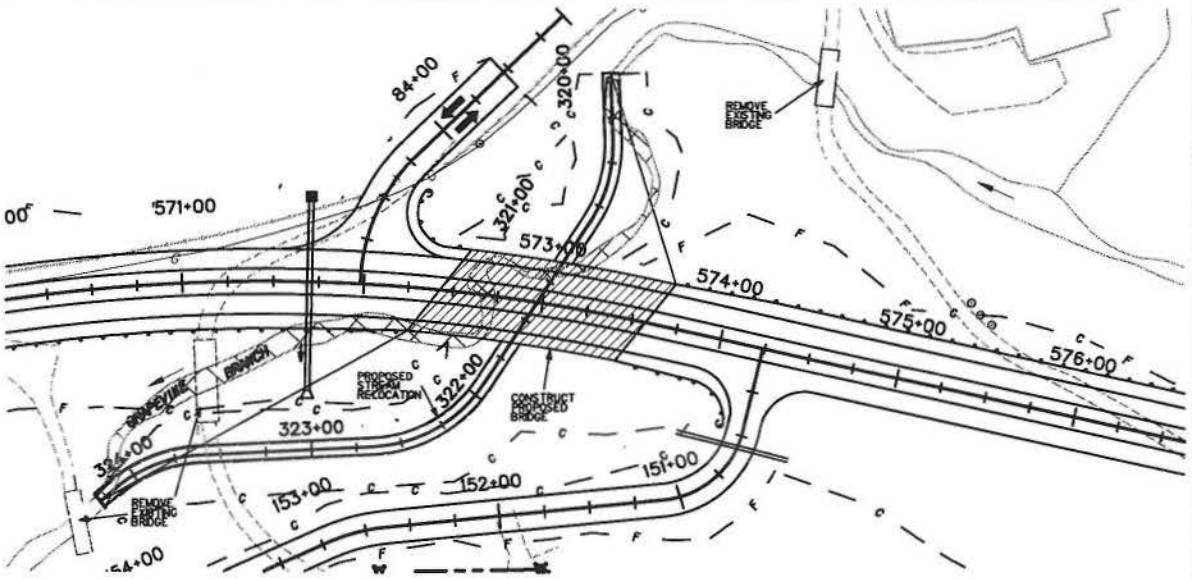
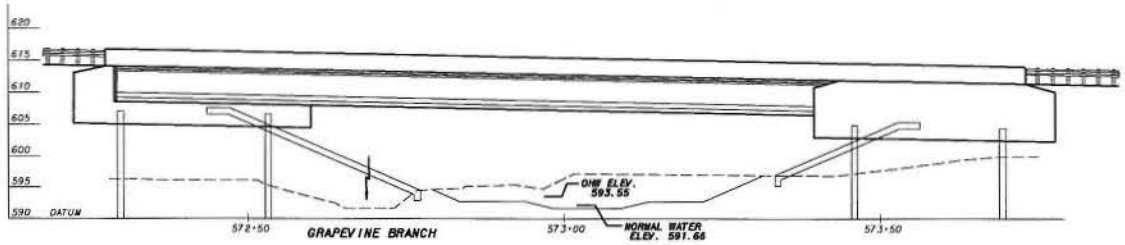
U306-10-13.36



PLAN



ELEVATION VIEW OF STRUCTURE

NOT TO SCALE

ACTIVITY #3

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

West Virginia Division of Highways
Cabell County

Date:
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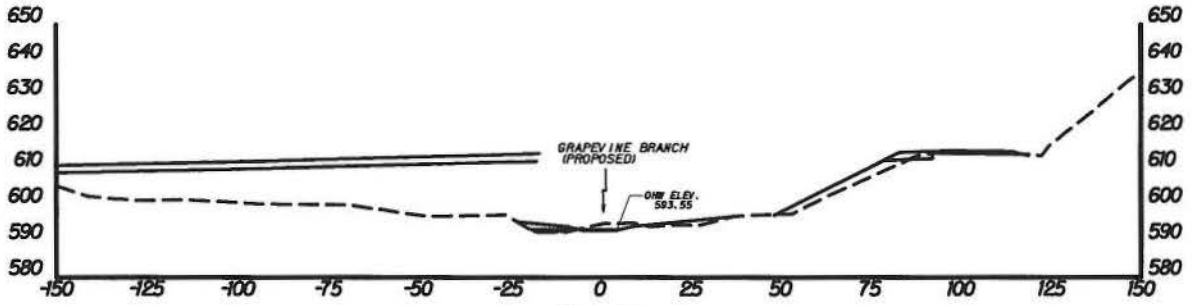
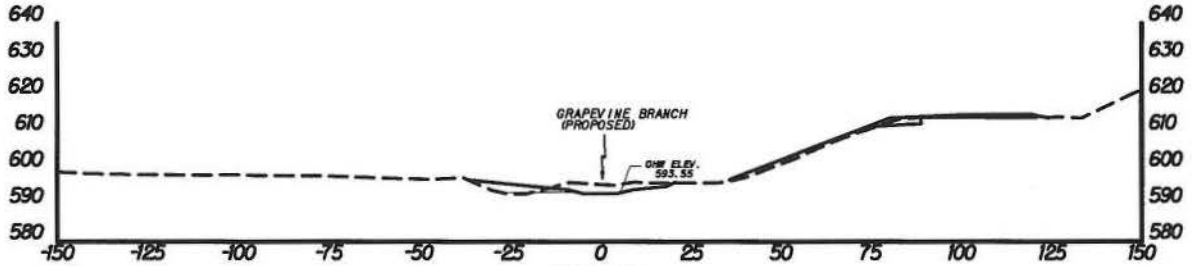
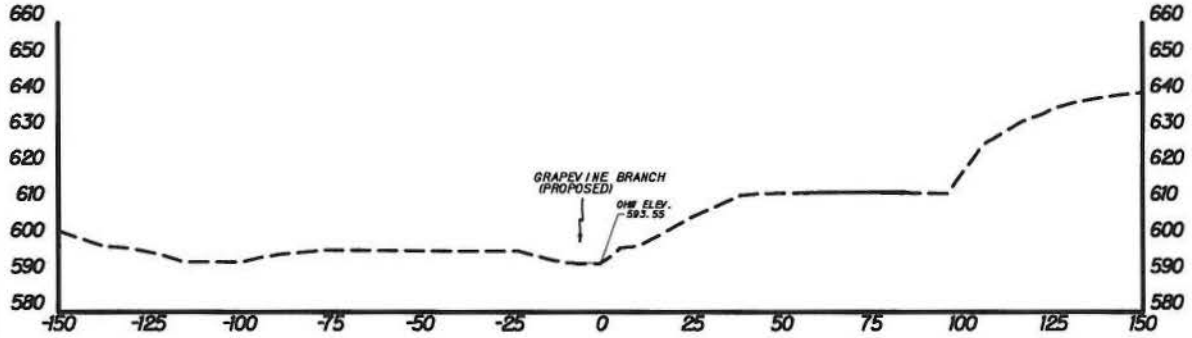


321+00



320+50



320+00

ACTIVITY #3

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

---- Existing
—— Proposed

West Virginia DivisionHighways
Cabell County

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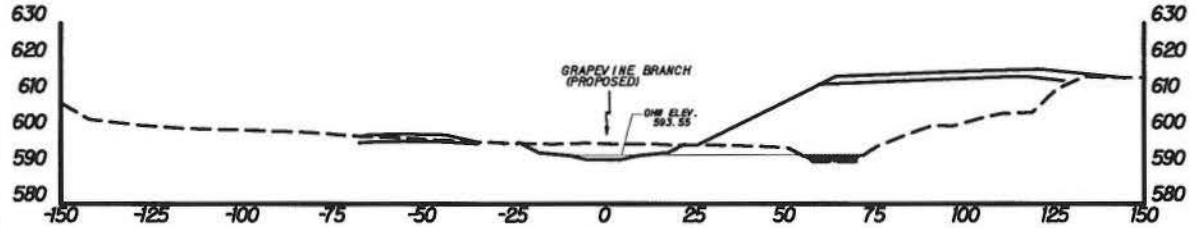
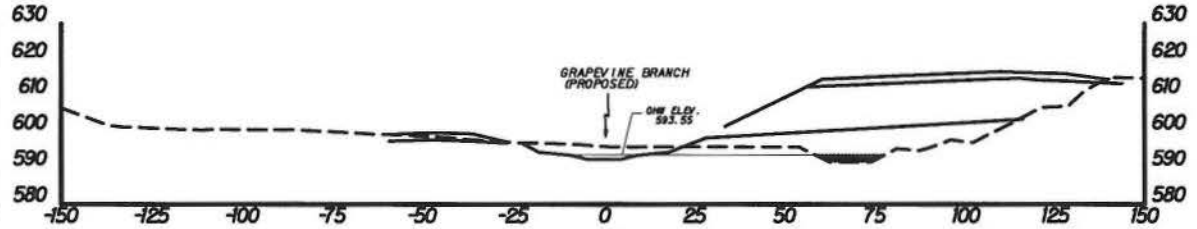
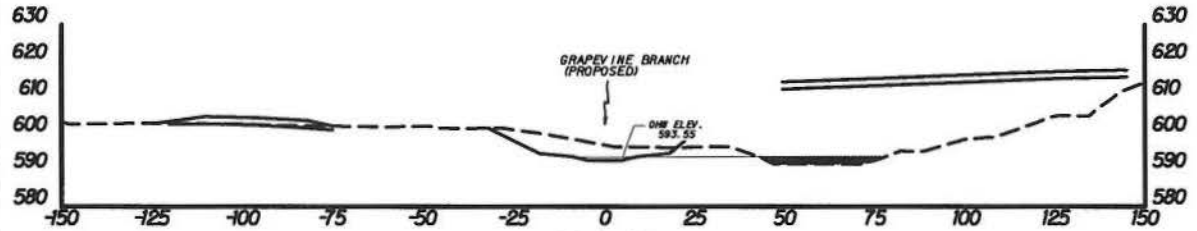


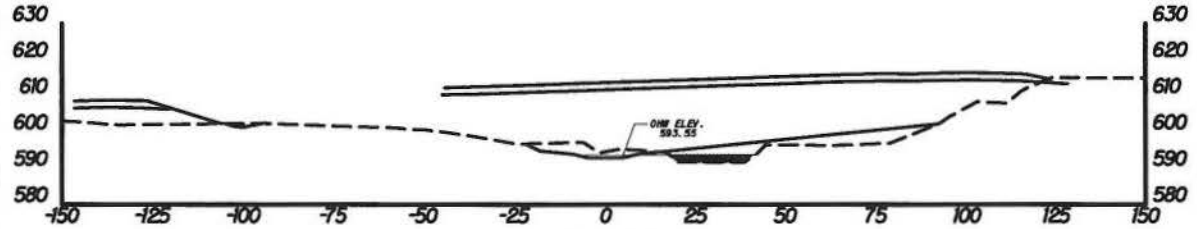
323+00



322+50



322+00



321+50

ACTIVITY #3

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

---- Existing
—— Proposed

West Virginia DivisionHighways
Cabell County

Date:
09/2014

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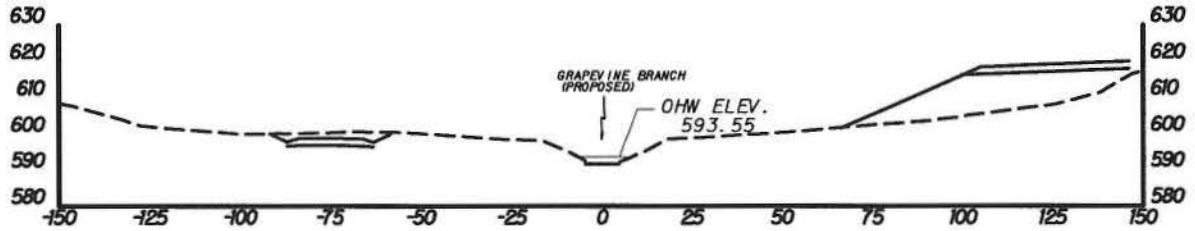
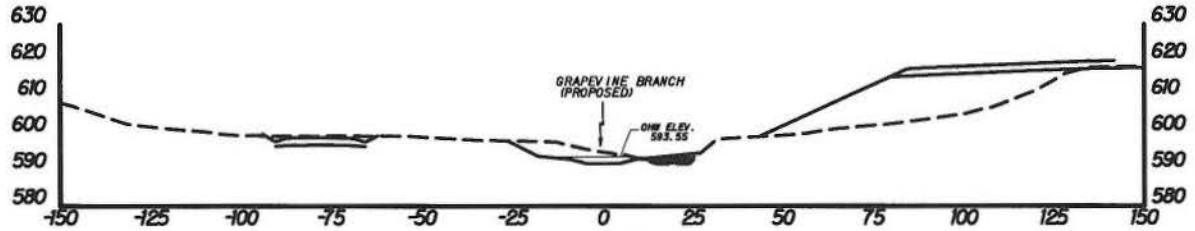
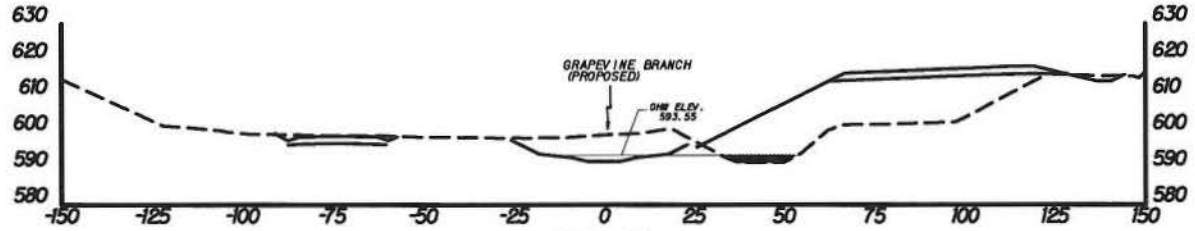


324+23



324+00



323+50

ACTIVITY #3

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

---- Existing
—— Proposed

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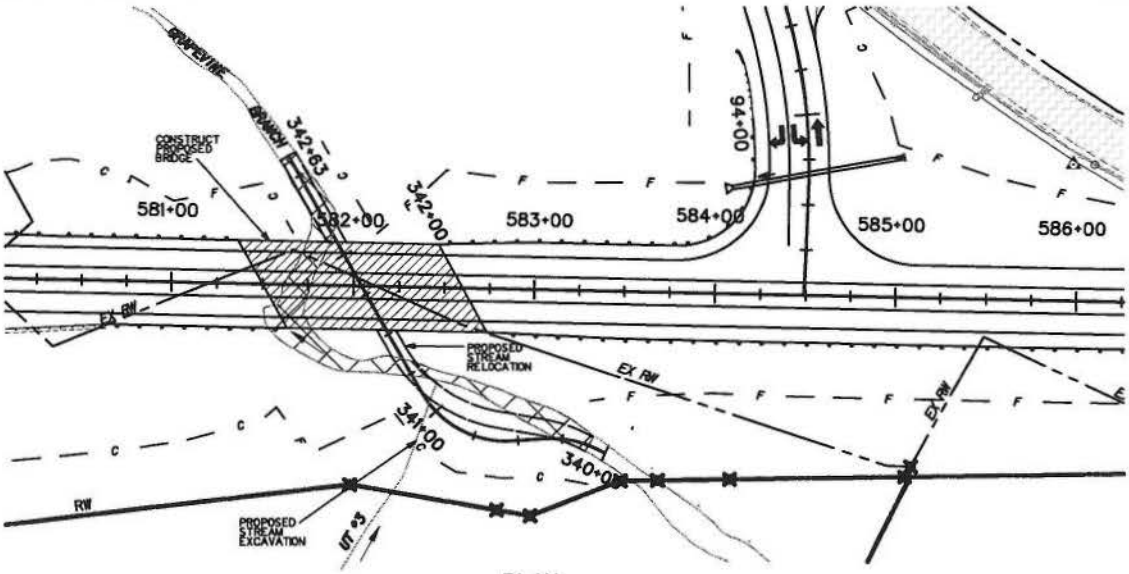
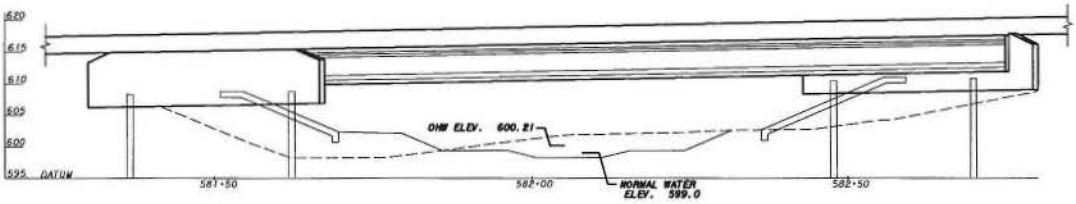


PLAN



ELEVATION VIEW OF STRUCTURE
NOT TO SCALE

ACTIVITY #4 & ACTIVITY #5

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH & STREAM EXCAVATION UT #3

	West Virginia Division of Highways Cabell County	Date: 09/2014

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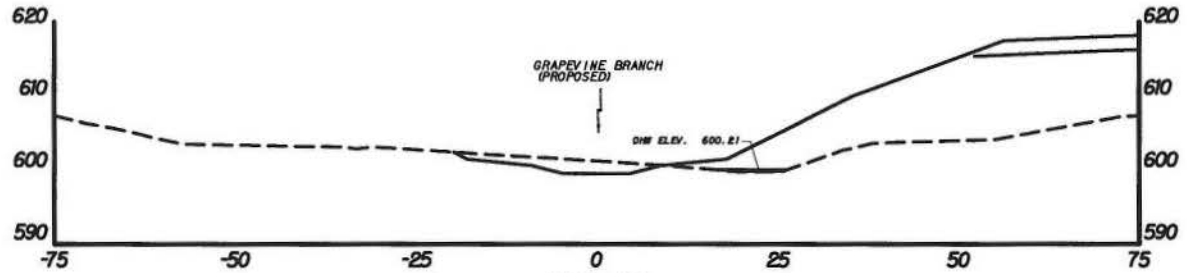
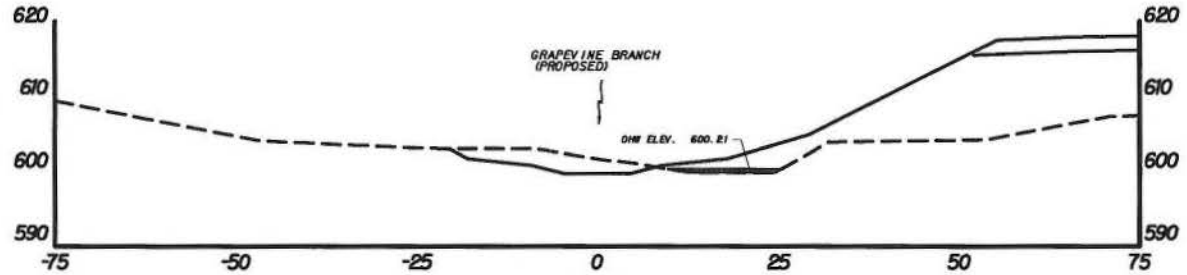
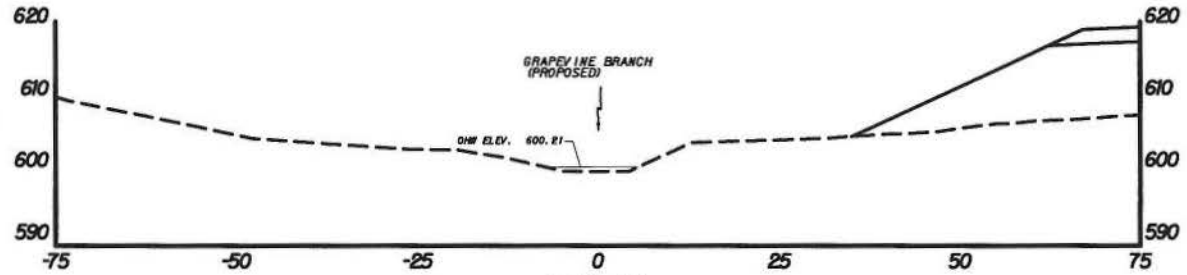
U306-10-13.36



341+00



340+50



340+00

ACTIVITY #4

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

---- Existing
—— Proposed

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Cabell County

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09/2014

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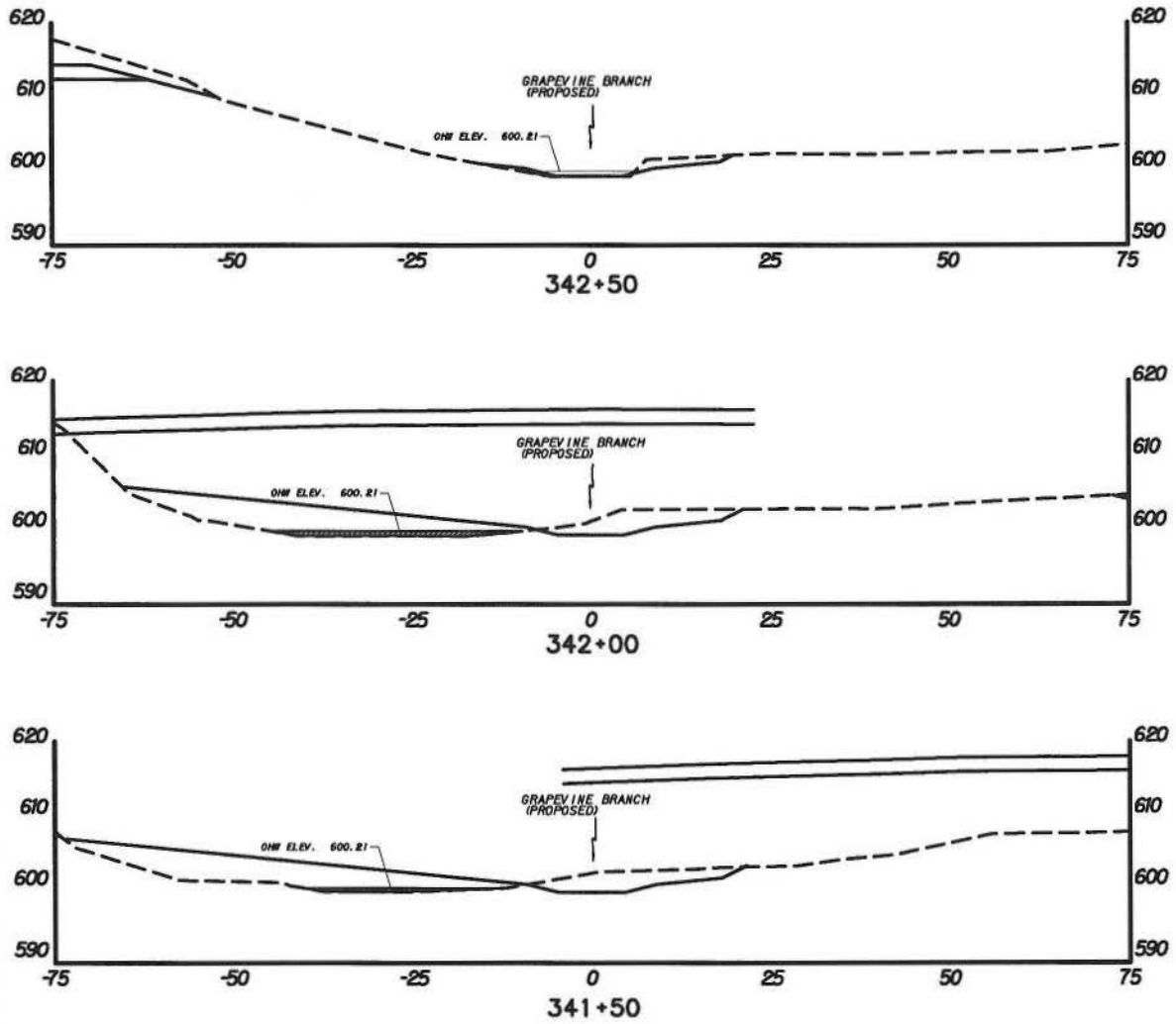
U306-10-13.36



ACTIVITY #4

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

---- Existing
—— Proposed

West Virginia DivisionHighways
Cabell County

Date:
09/2014

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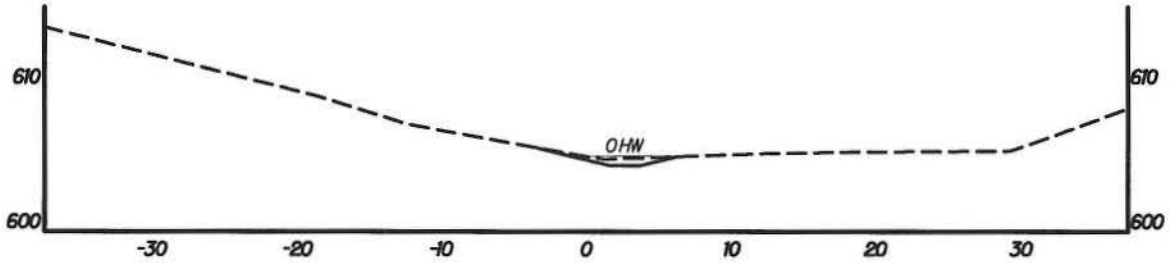
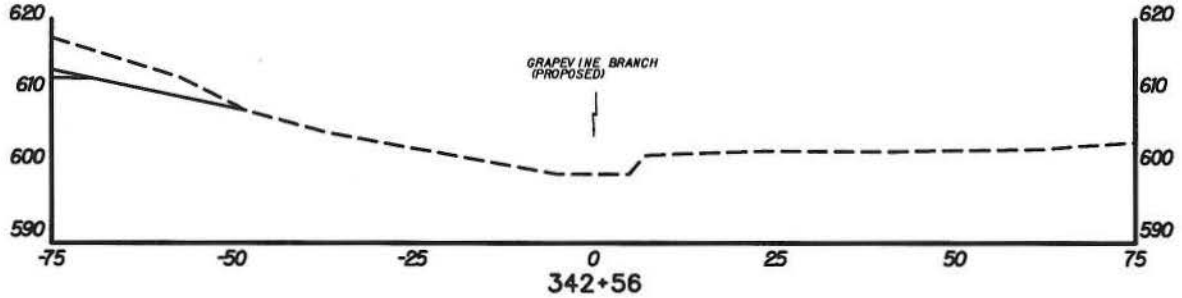
WV-10
U306-10-13.36



ACTIVITY #5

STREAM EXCAVATION UT #3 GRAPEVINE BRANCH



ACTIVITY #4

BRIDGE CONSTRUCTION AND STREAM RELOCATION GRAPEVINE BRANCH

---- Existing
—— Proposed

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Cabell County

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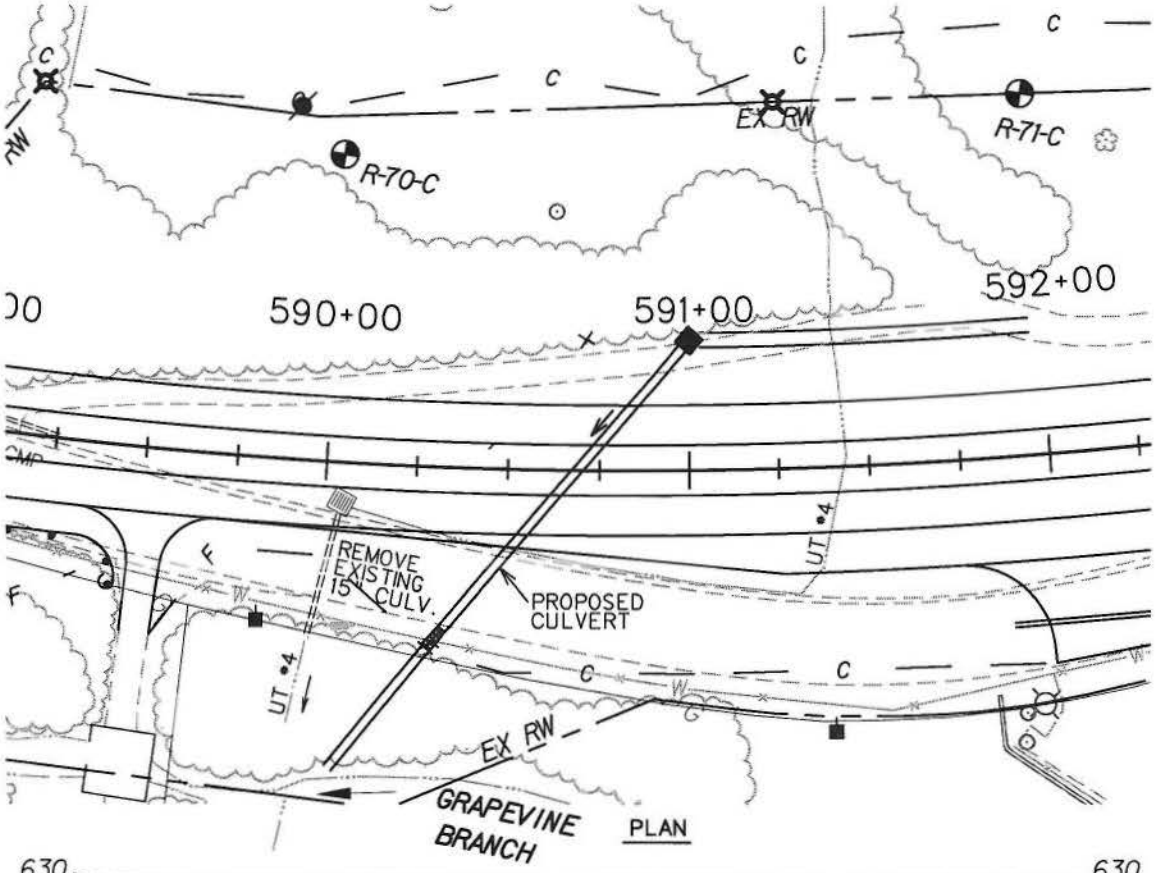

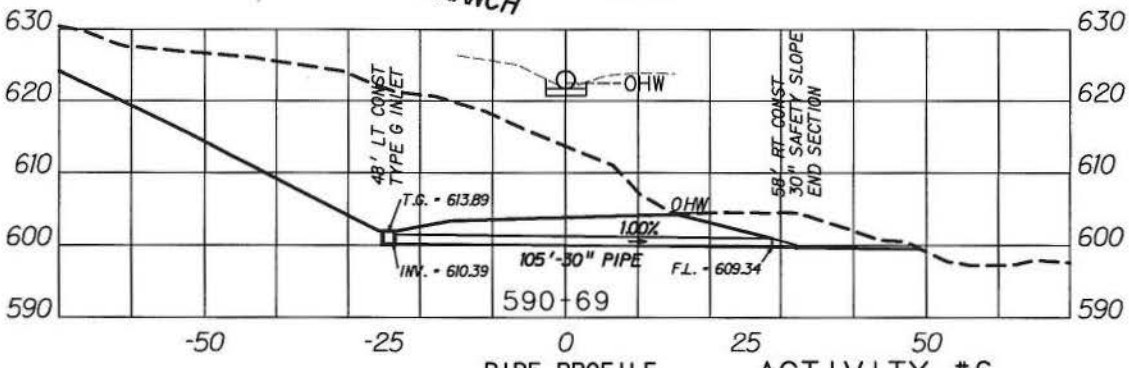

PIPE PROFILE

ACTIVITY #6

CULVERT REPLACEMENT STA. 590+69

West Virginia Division of Highways
Cabell County

Date:
09/2014

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WV-10
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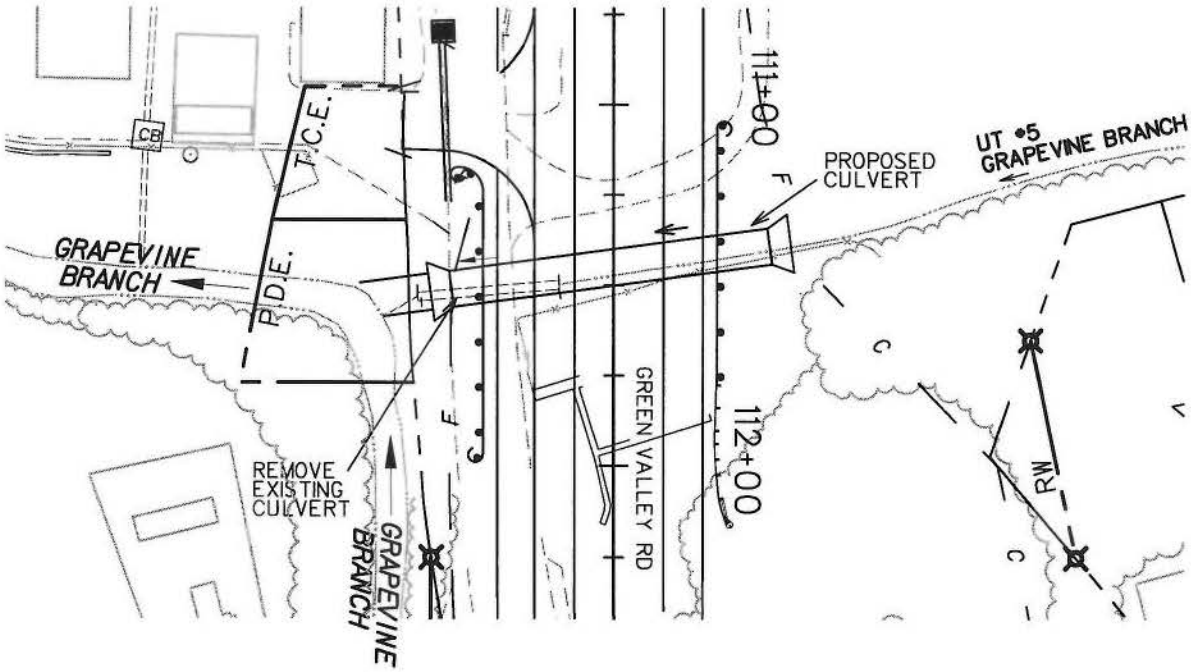

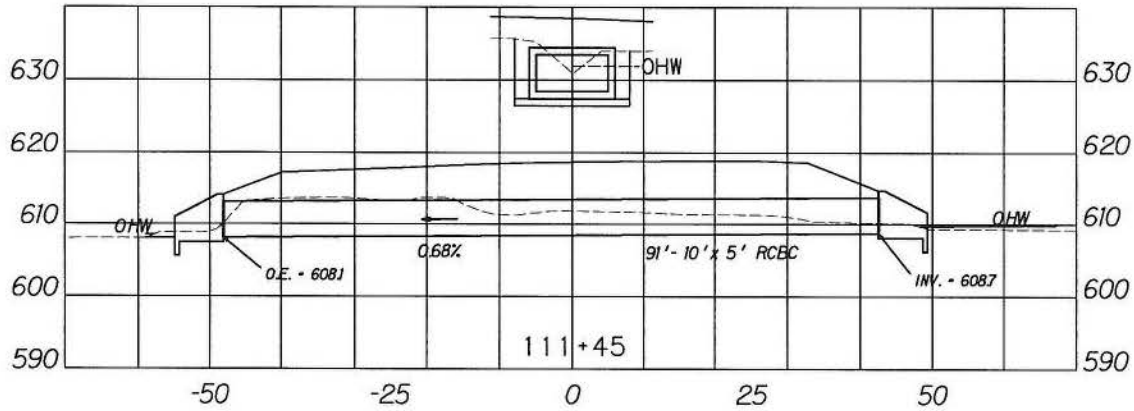

PIPE PROFILE

ACTIVITY #7

CULVERT REPLACEMENT STA. 111+45 GREEN VALLEY ROAD

West Virginia Division of Highways
Cabell County

Date:
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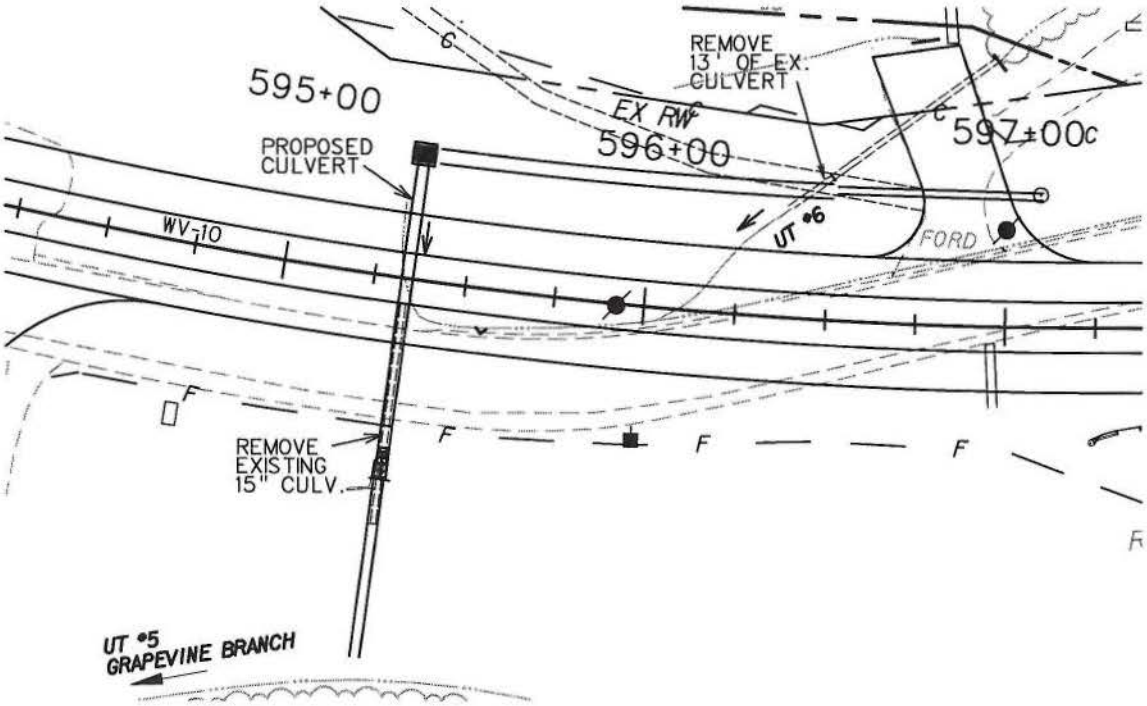

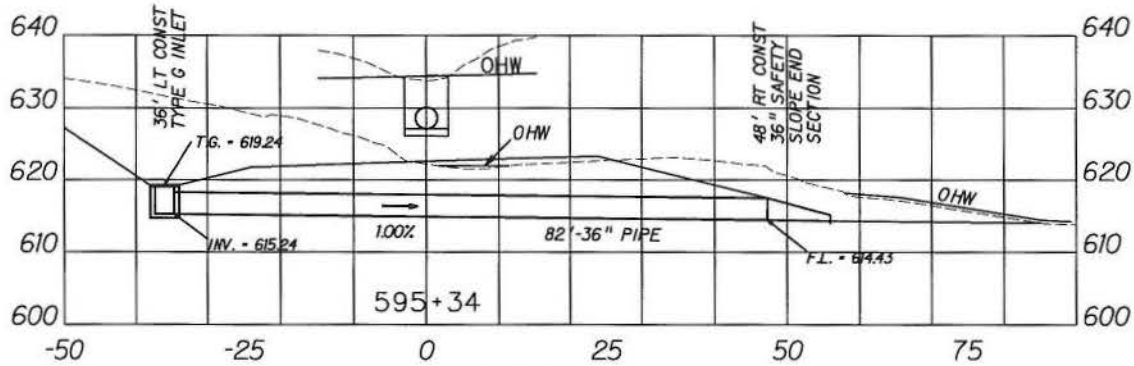

PIPE PROFILE

ACTIVITY #8

CULVERT REPLACEMENT STA. 595+34

West Virginia Division of Highways
Cabell County

Date:
09/2014

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WV-10
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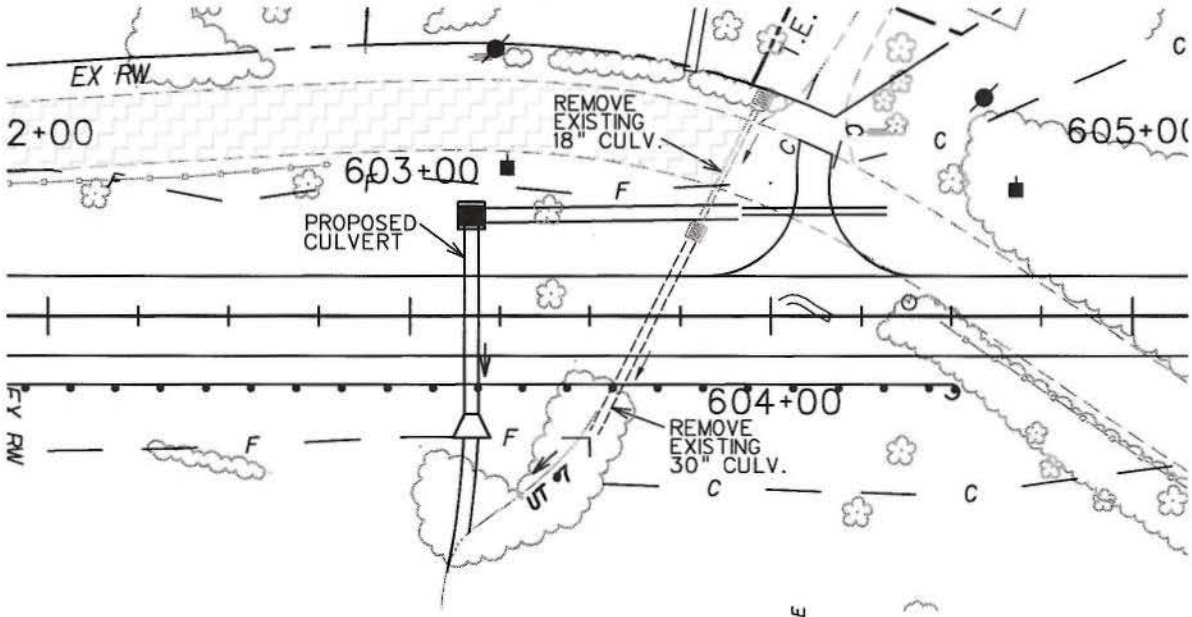

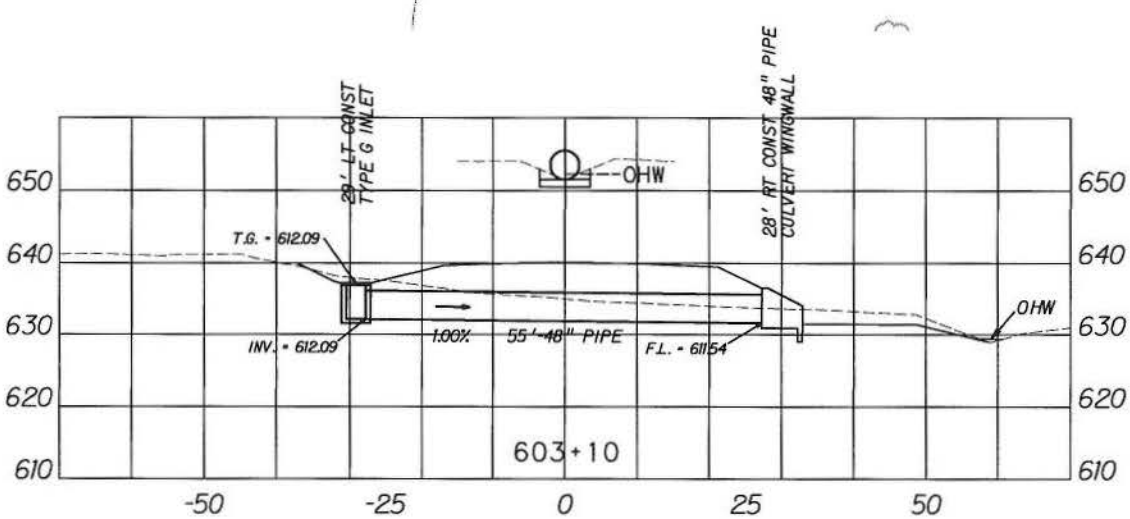

PIPE PROFILE

ACTIVITY #9

CULVERT REPLACEMENT STA. 603+10

West Virginia Division of Highways
Cabell County

Date:
09/2014

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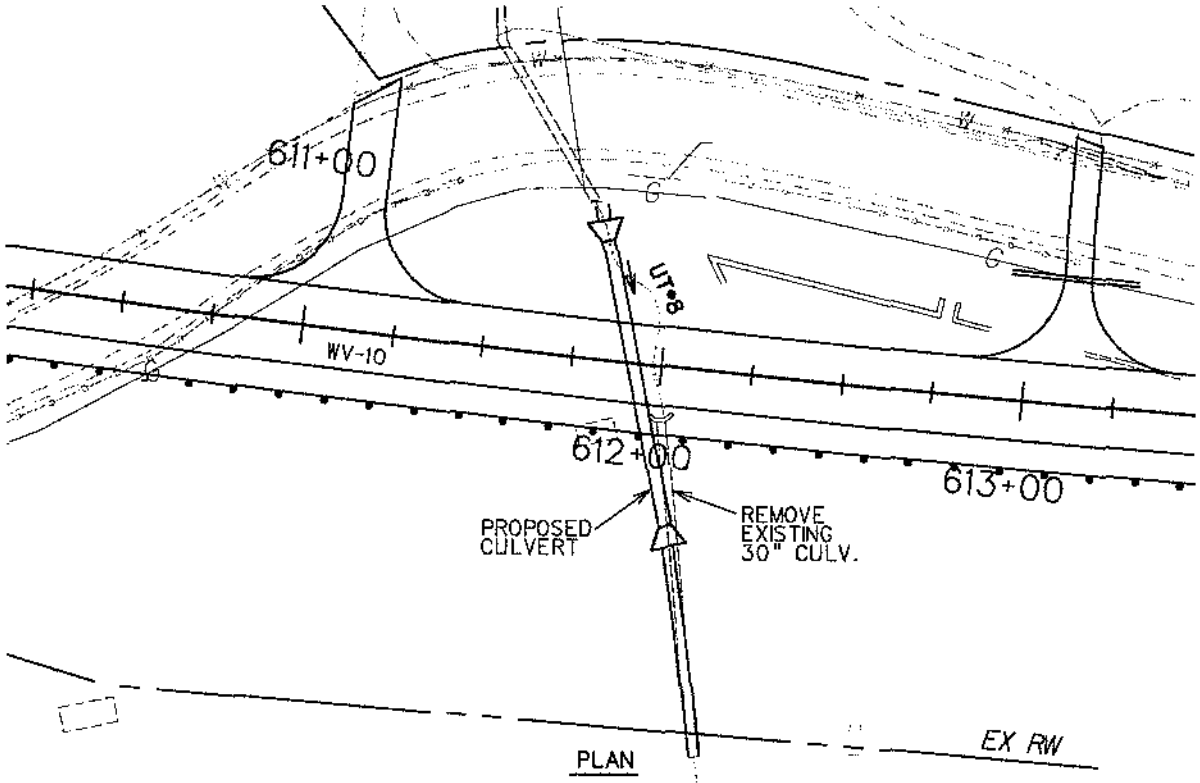
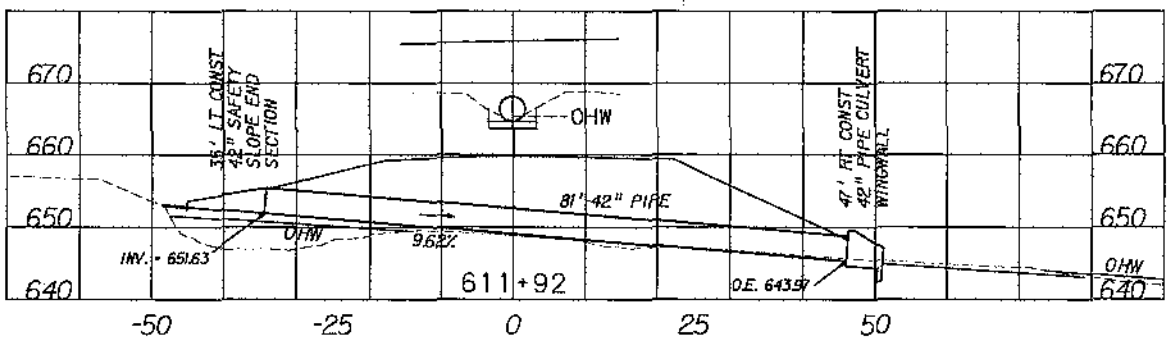


PLAN



PIPE PROFILE

ACTIVITY #10

CULVERT REPLACEMENT STA. 611+92

Existing
Proposed

West Virginia Division of Highways
Cabell County

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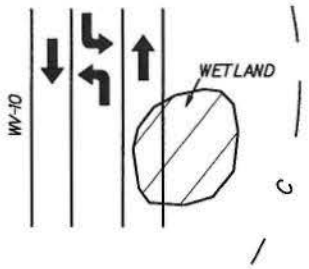
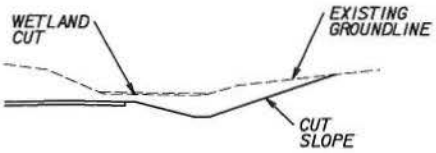
WETLAND CUT

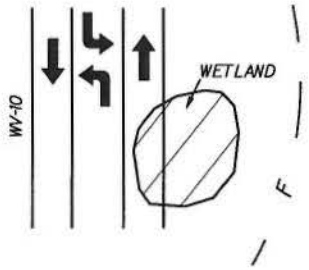


PLAN VIEW



SECTION VIEW

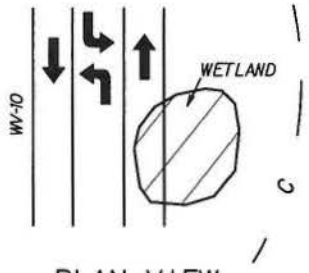
WETLAND FILL



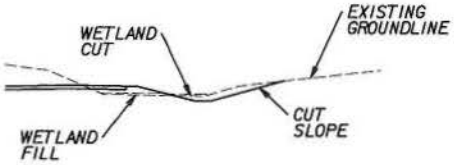
PLAN VIEW

SECTION VIEW

WETLAND CUT/FILL



PLAN VIEW



SECTION VIEW

ACTIVITIES #11-#32

	West Virginia Division of Highways Cabell County	Date: 09/2014

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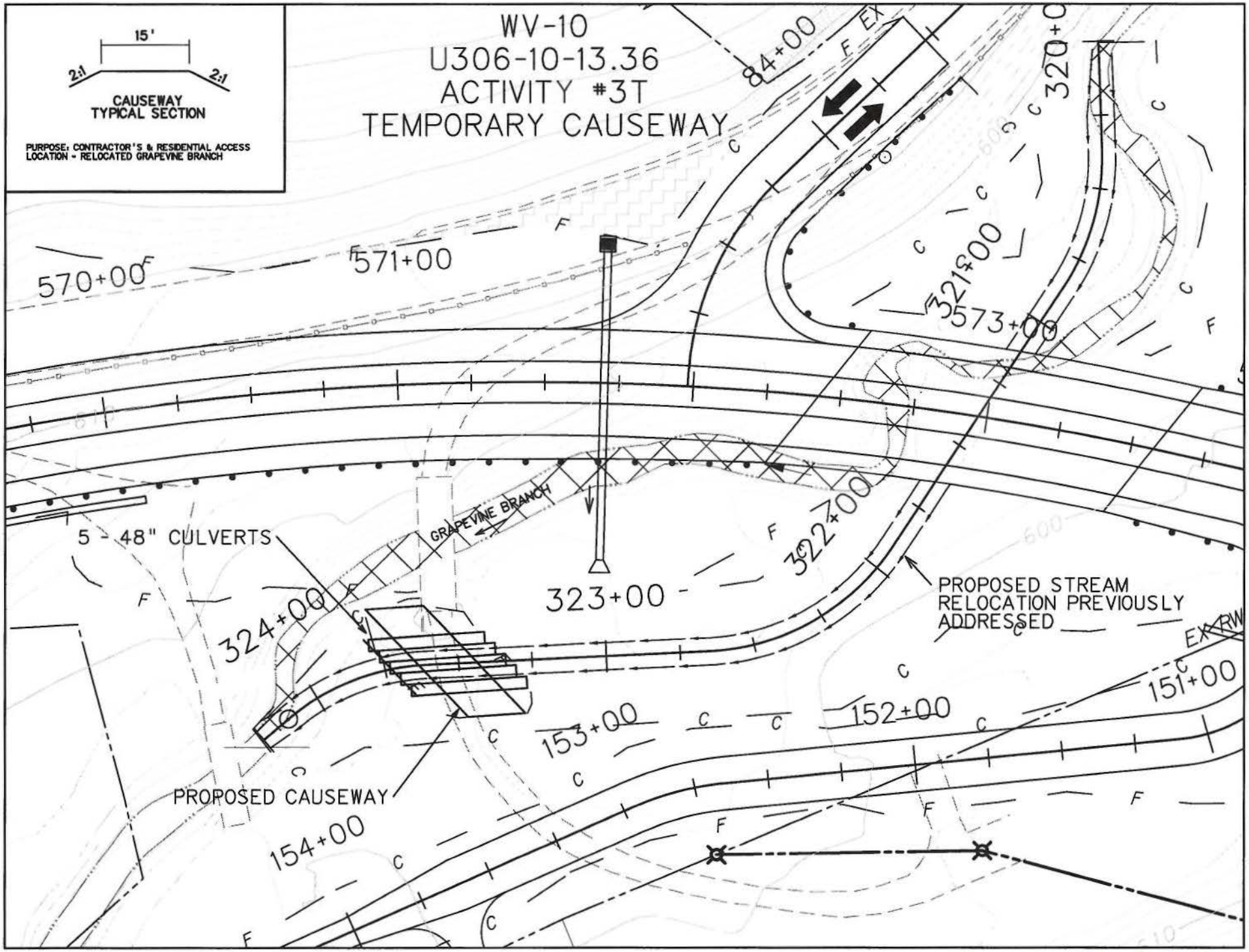
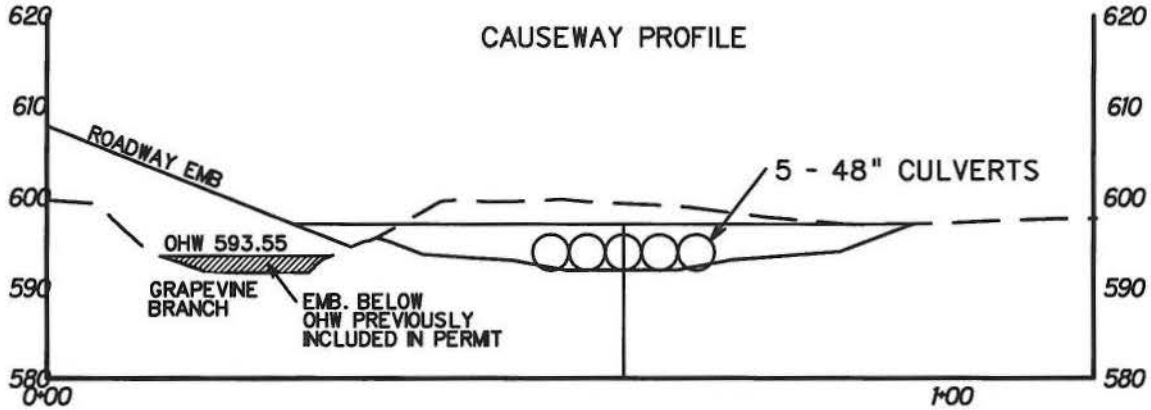
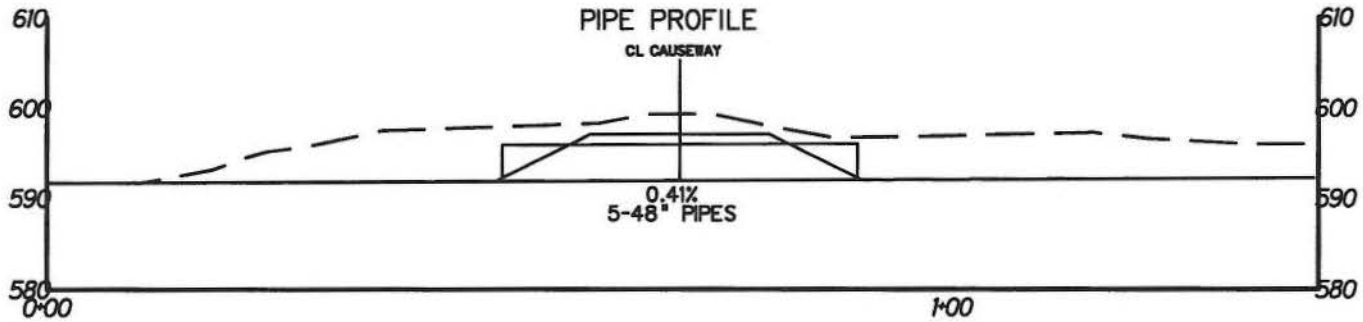
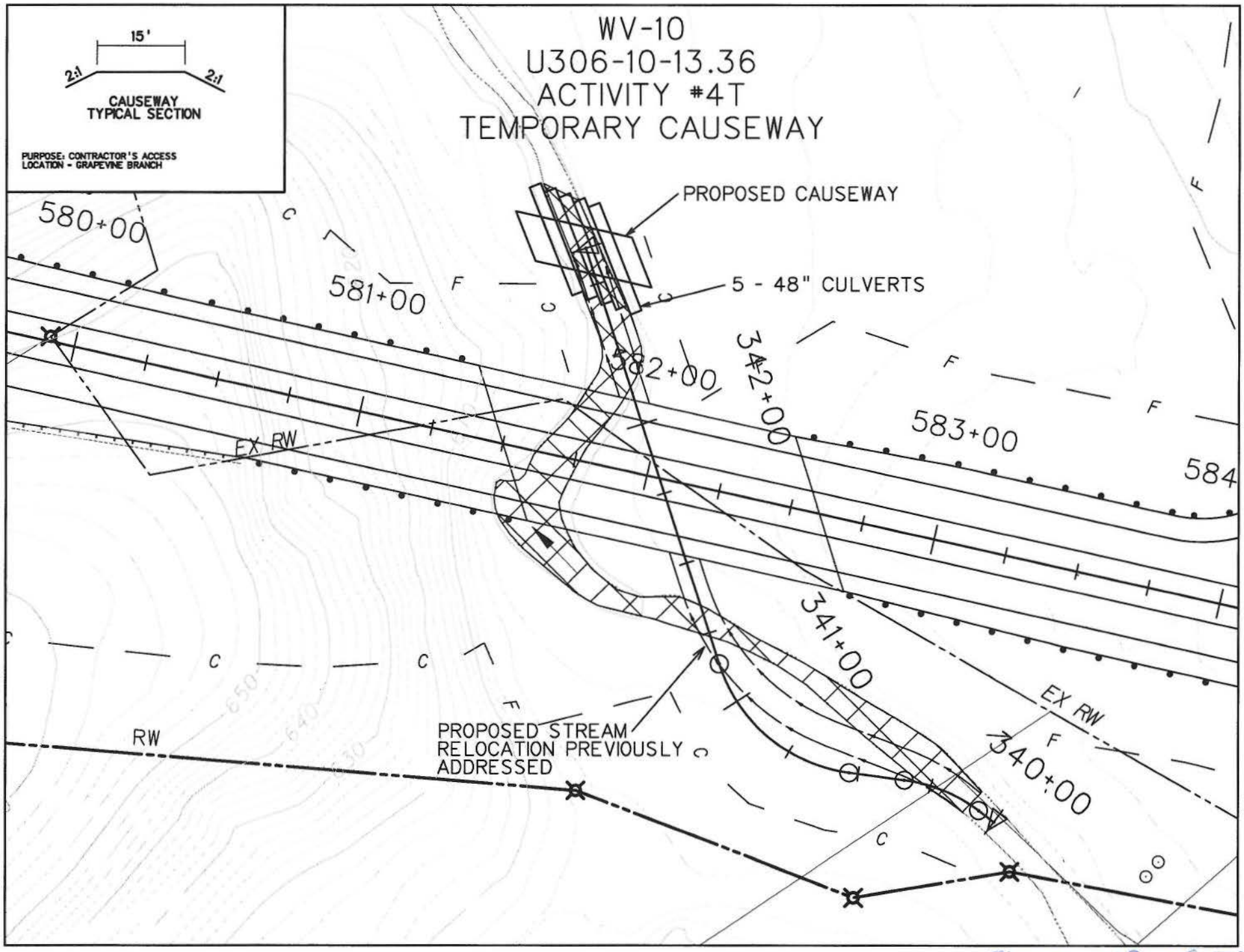

15'
2:1
2:1
CAUSEWAY
TYPICAL SECTION
PURPOSE: CONTRACTOR'S & RESIDENTIAL ACCESS
LOCATION - RELOCATED GRAPEVINE BRANCH
WV-10
U306-10-13.36
ACTIVITY #3T
TEMPORARY CAUSEWAY
570+00
571+00
84+00
320+00
321+00
573+00
322+00
323+00
324+00
153+00
152+00
151+00
154+00
GRAPEVINE BRANCH
5 - 48" CULVERTS
PROPOSED CAUSEWAY
PROPOSED STREAM
RELOCATION PREVIOUSLY
ADDRESSED
EX RW

WV-10
U306-10-13.36
ACTIVITY #3T

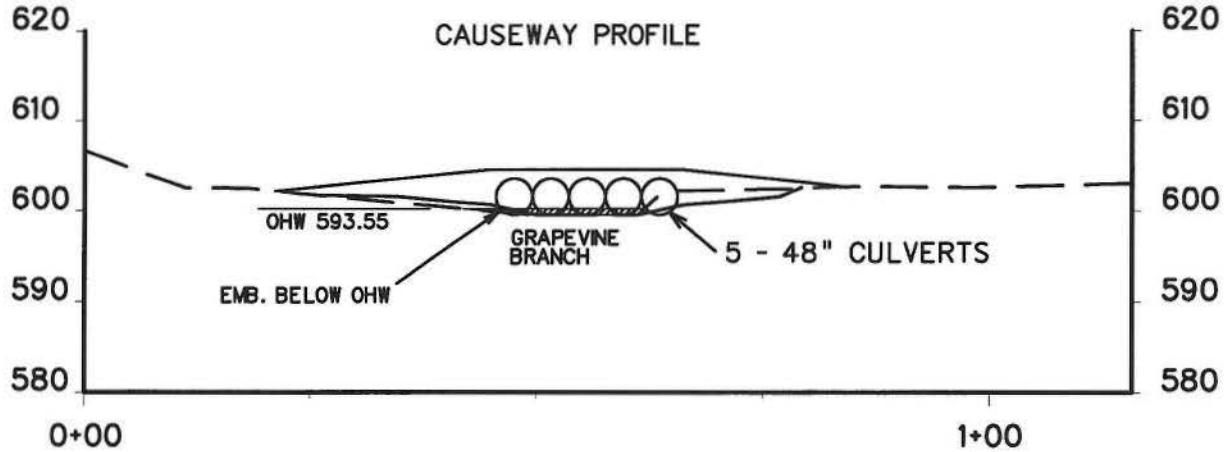


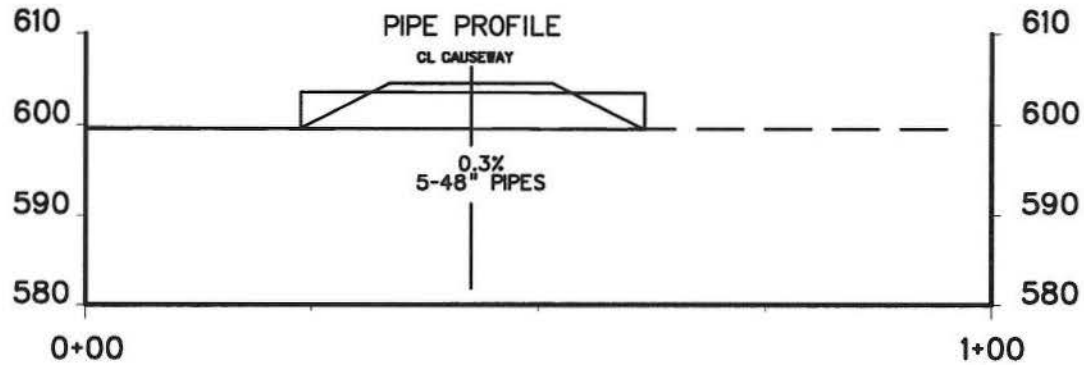


CONSTRUCTION SEQUENCE
THE FIRST PHASE OF CONSTRUCTION IS TO CONSTRUCT A MAJORITY OF THE CHANNEL CHANGE AND ALL OF THE CAUSEWAY. FLOW WILL THEN BE ALLOWED INTO THE CHANNEL CHANGE. ONCE CONSTRUCTION IS COMPLETE AND ACCESS HAS BEEN PROVIDED FOR PROPERTY OWNERS THE CAUSEWAY WILL BE REMOVED. THIS WILL TEMPORARILY IMPACT 40' OF RELOCATED GRAPEVINE BRANCH UPON CAUSEWAY REMOVAL.


15'
2:1
2:1
CAUSEWAY
TYPICAL SECTION
PURPOSE: CONTRACTOR'S ACCESS
LOCATION - GRAPEVINE BRANCH
WV-10
U306-10-13.36
ACTIVITY #4T
TEMPORARY CAUSEWAY
PROPOSED CAUSEWAY
5 - 48" CULVERTS
580+00
581+00
582+00
342+00
583+00
584
EX RW
341+00
340+00
EX RW
RW
PROPOSED STREAM
RELOCATION PREVIOUSLY
ADDRESSED

WV-10
U306-10-13.36
ACTIVITY #4T





CONSTRUCTION SEQUENCE
THE CHANNEL CHANGE AND CAUSEWAY WILL BE CONSTRUCTED SIMULTANEOUSLY. ONCE CONSTRUCTION OF THE BRIDGE AND EARTHWORK IN THE SURROUNDING AREA IS COMPLETE THE CAUSEWAY WILL BE REMOVED. THIS WILL TEMPORARILY IMPACT 40' OF GRAPEVINE BRANCH WITH THE PLACEMENT OF 16 CY OF CLEAN, COARSE, NON-ERODIBLE MATERIALS WITH 15% OR LESS LIKE FINES.