

**IMPACT TOTALS**

	SF	AC	LF
TEMPORARY WETLAND	0	0	-
TEMPORARY STREAM	30,480	0.70	10
PERMANENT WETLAND	4,409	0.10	-
PERMANENT STREAM	12,165	0.28	1,555

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

**PROJECT:** I-95 SOUTHBOUND CD LANES  
 BRIDGE OVER THE RAPPAHANNOCK  
 0095-111-259. P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
 STAFFORD/SPOTSYLVANIA COUNTIES, VA

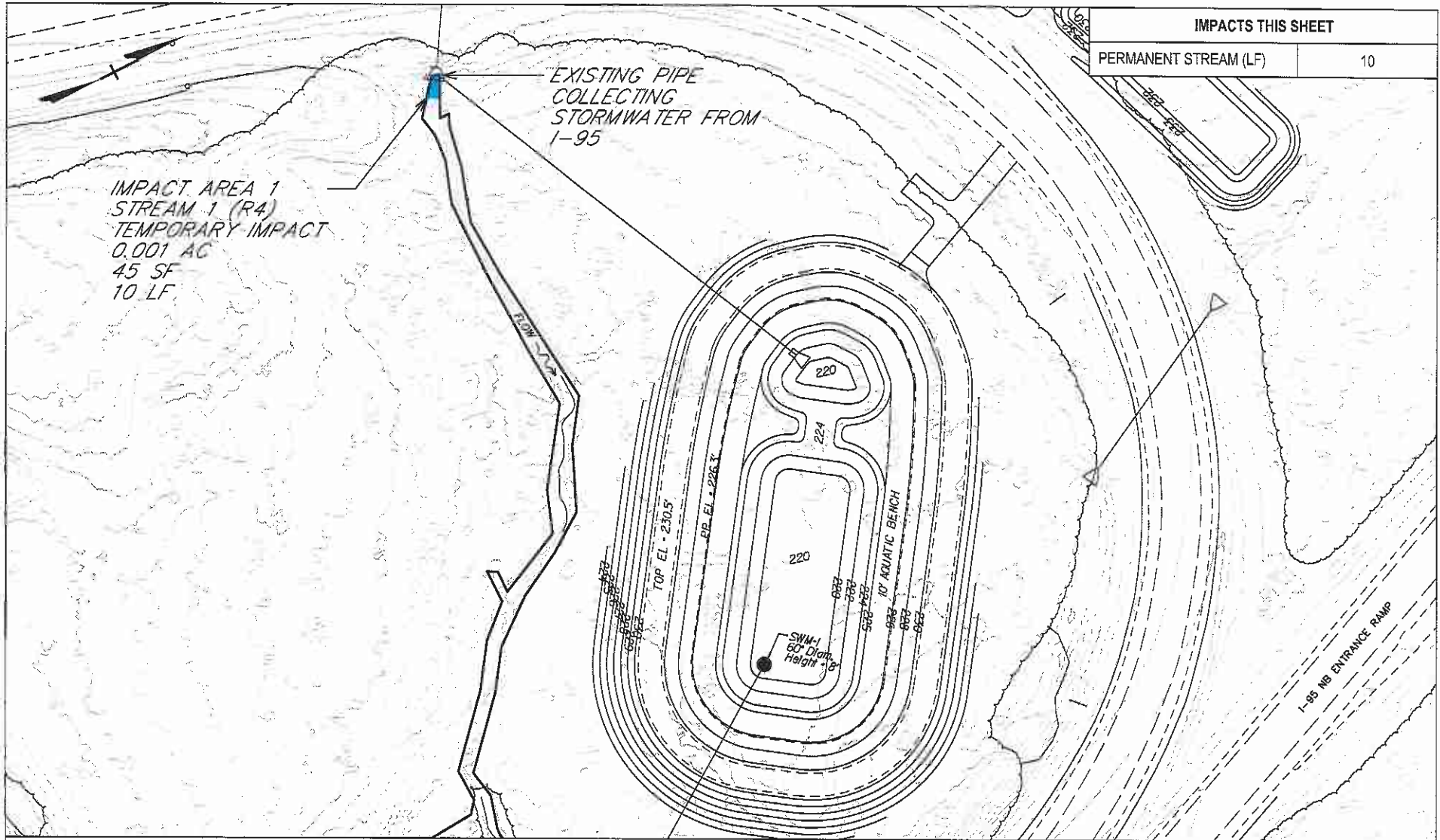
**FIGURE:** KEY TO IMPACT  
 MAP  
**SCALE:** 1" = 2500'

**REVISION DATE:**  
**DATE:** APRIL 19, 2018  
**SHEET:** KEY MAP

**IMPACTS THIS SHEET**

PERMANENT STREAM (LF)

10



PERMANENT FORESTED (PFO) WETLAND



TEMPORARY FORESTED (PFO) WETLAND



PERMANENT SCRUB-SHRUB (PSS) WETLAND



TEMPORARY SCRUB-SHRUB (PSS) WETLAND



PERMANENT EMERGENT (PEM) WETLAND



TEMPORARY EMERGENT (PEM) WETLAND



PERMANENT STREAM



TEMPORARY STREAM

--- LOD

--- EXISTING LANES

--- PROPOSED LANES

**APPLICANT:**

WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

**PROJECT: I-95 SOUTHBOUND CD LANES**

BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION: FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA**

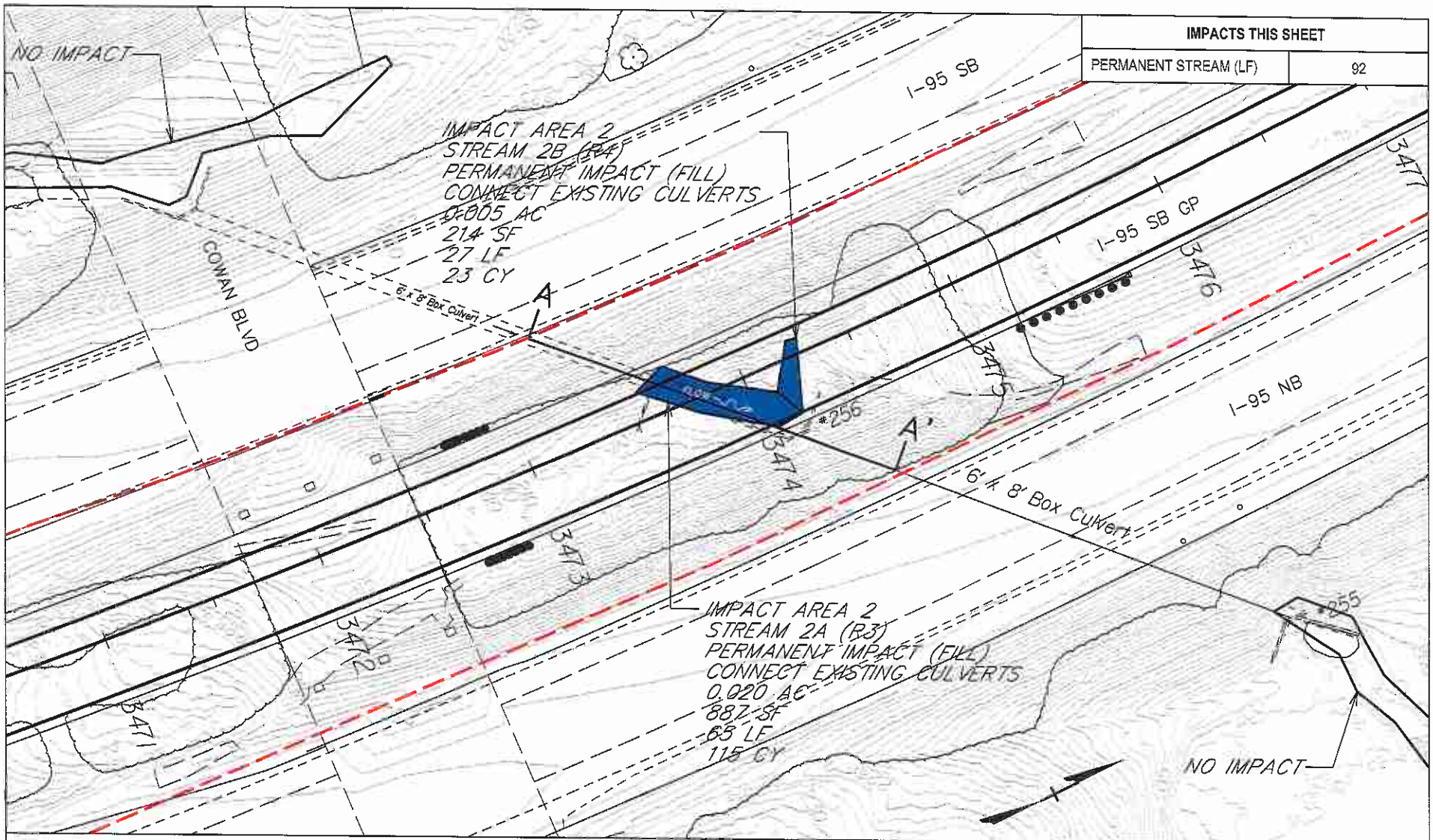
**FIGURE: IMPACT MAP**

**SCALE: 1"=60'**

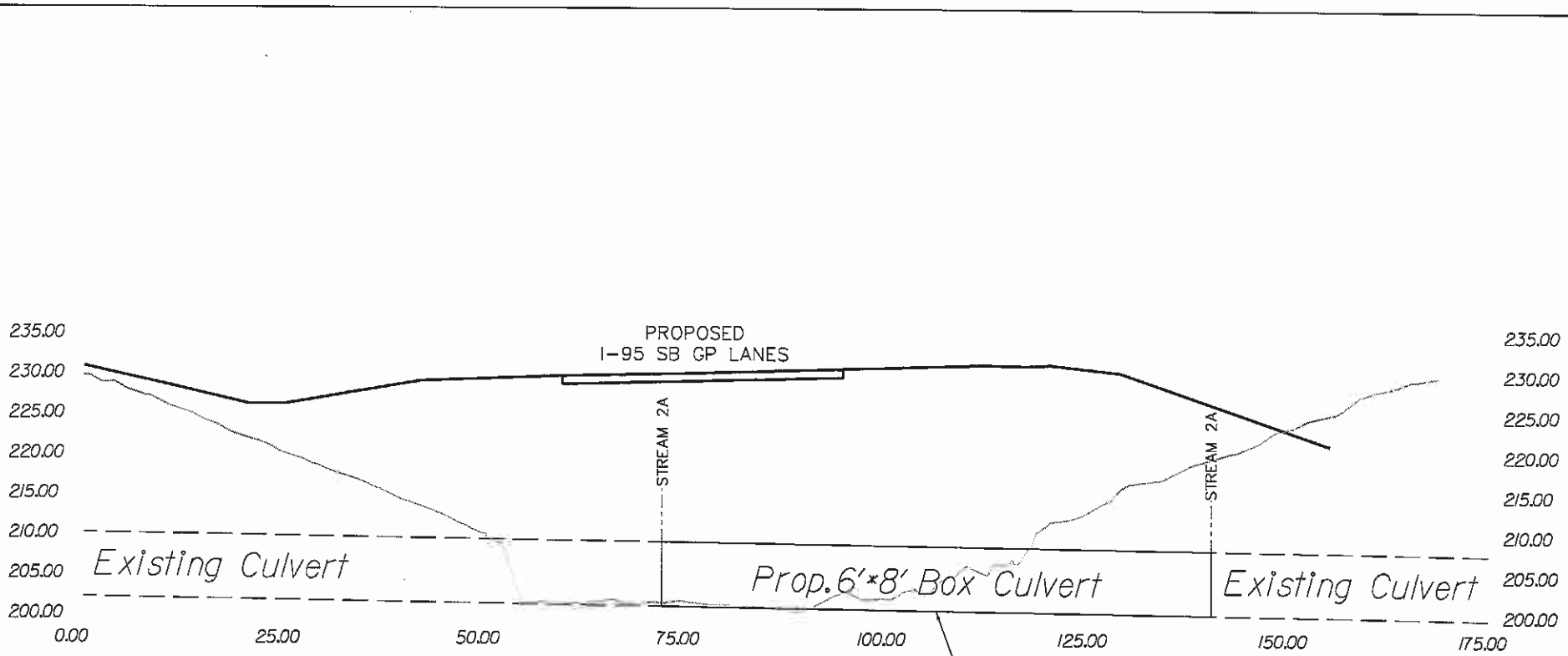
**REVISION DATE:**

**DATE: APRIL 19, 2018**

**SHEET: 1 OF 10**



	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD	<b>APPLICANT:</b> WAGMAN HEAVY CIVIL 26000 SIMPSON ROAD DINWIDDIE, VA 23803  <b>PROJECT: I-95 SOUTHBOUND CD LANES</b> BRIDGE OVER THE RAPPAHANNOCK 0095-111-259. P101, R201, C501; 0095-089-741  <b>LOCATION: FREDERICKSBURG,</b> STAFFORD/SPOTSYLVANIA COUNTIES, VA	<b>FIGURE: IMPACT MAP</b>  <b>SCALE: 1"=60'</b>  <b>REVISION DATE:</b>  <b>DATE: APRIL 19, 2018</b>  <b>SHEET: 2 OF 10</b>
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES		
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES		
	PERMANENT STREAM		TEMPORARY STREAM				



- NOTES:
- 1) ALL WORK TO BE COMPLETED IN THE DRY
  - 2) WORK TO BE COMPLETED DURING LOW STREAM FLOW AT A MINIMUM OF 3 DAYS OF NO PRECIPITATION PRIOR TO START OF WORK
  - 3) DETOUR STREAM AROUND WORK AREA USING COFFERDAM (SANDBAGS) AND DIVERSION PIPE/HOSE AT UPSTREAM CULVERT. DIVERSION PIPE/HOSE WILL EXTEND BEYOND THE DOWNSTREAM WORK AREA AND INTO DOWNSTREAM CULVERT. PUMP WILL BE USED TO PUMP WATER UPSTREAM OF COFFERDAM TO DOWNSTREAM CULVERT. PUMP WILL BE USED TO DEWATER CONSTRUCTION ZONE.
  - 4) CONSTRUCT NEW CULVERT SECTION TO CONNECT EXISTING CULVERTS
  - 5) ONCE FINAL SECTION OF CULVERT IS COMPLETE THE PUMP AROUND WILL BE REMOVED AND FLOWS RESTORED.

SECTION A-A'  
I-95 SB GP Lanes

IMPACT AREA 2: S-2A  
PERMANENT STREAM IMPACTS

- PROPOSED GROUND
- EXISTING GROUND
- - - - - STREAM IMPACT LIMITS

**APPLICANT:**  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

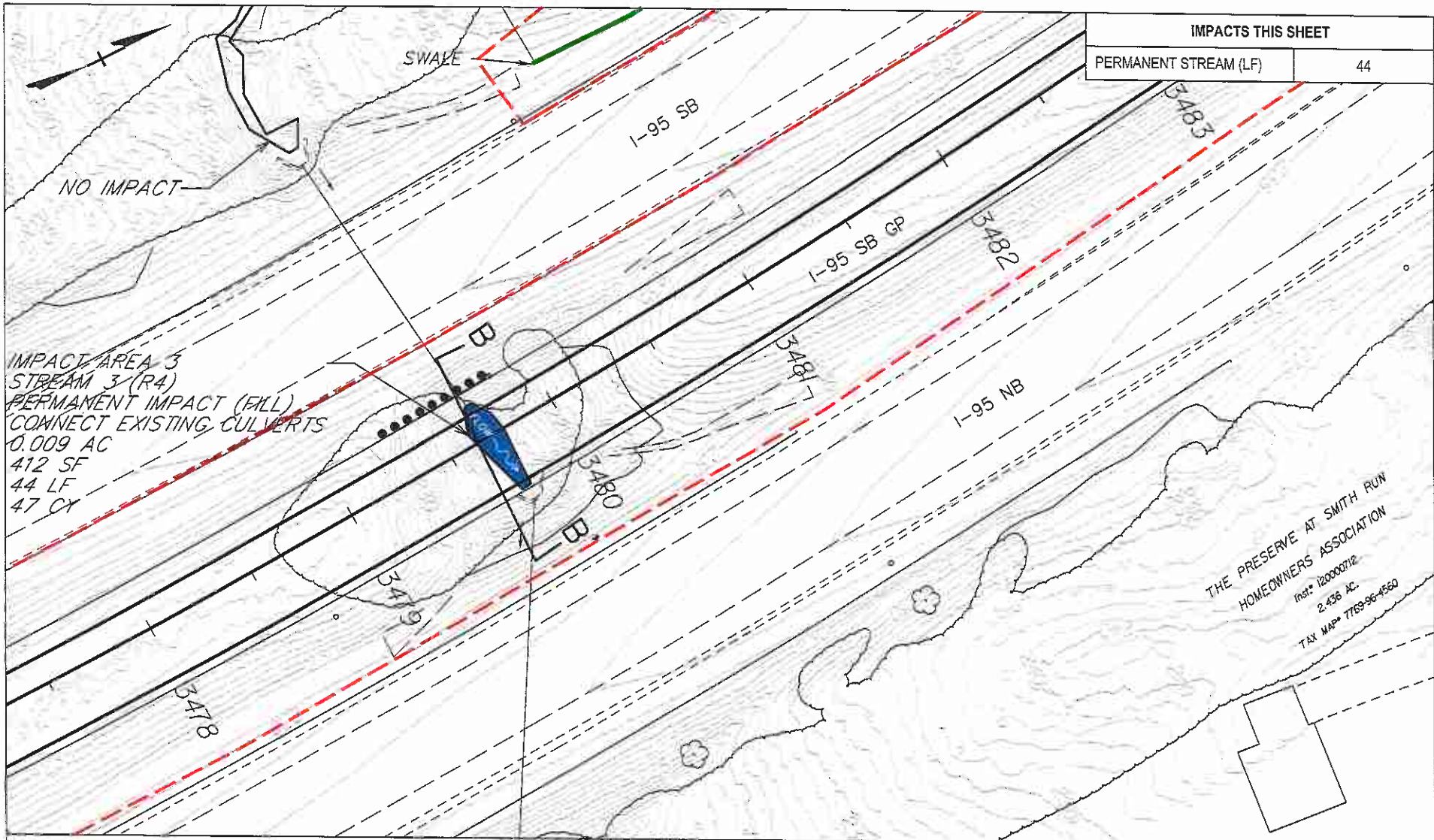
**PROJECT:** I-95 SOUTHBOUND CD LANES  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP  
CROSS SECTION VIEW

**REVISION DATE:**  
DATE: APRIL 19, 2018

**SHEET:** 2A OF 10



IMPACTS THIS SHEET	
PERMANENT STREAM (LF)	44

	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES
	PERMANENT STREAM		TEMPORARY STREAM		

**APPLICANT:**  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

**PROJECT: I-95 SOUTHBOUND CD LANES**  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION: FREDERICKSBURG,**  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE: IMPACT MAP**

**SCALE: 1"=60'**

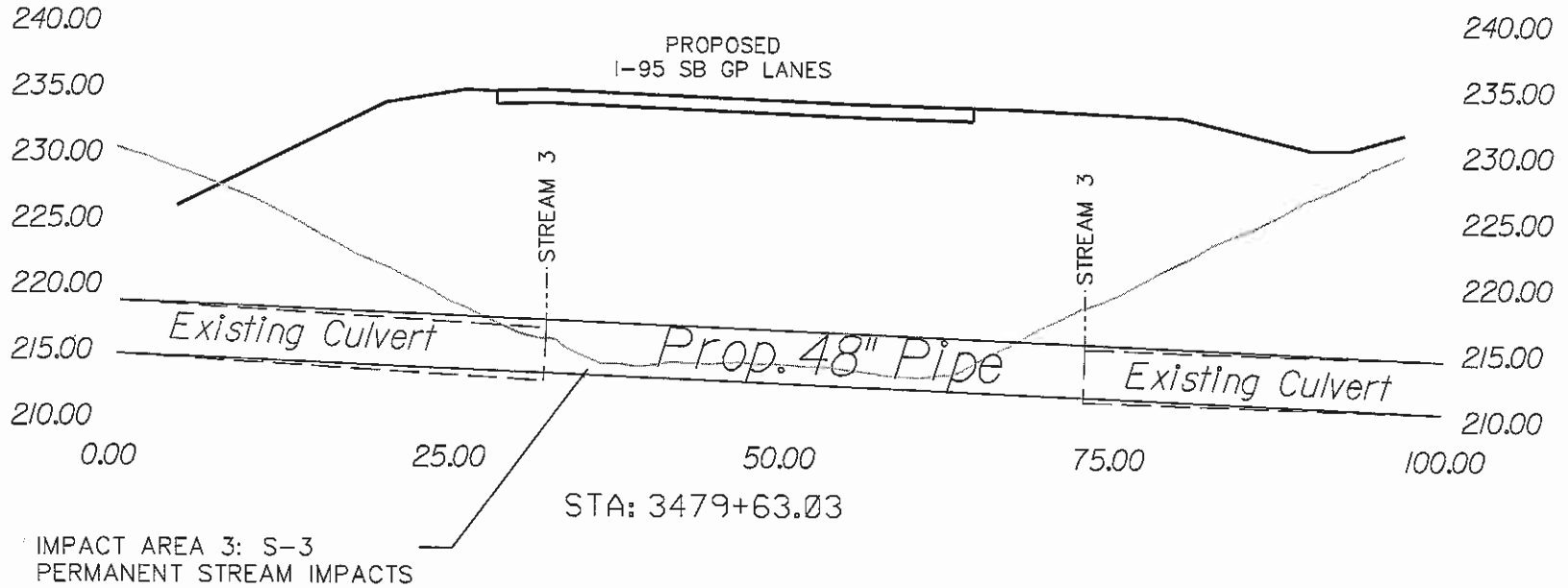
**REVISION DATE:**

**DATE: APRIL 19, 2018**

**SHEET: 3 OF 10**

**NOTES:**

- 1) ALL WORK TO BE COMPLETED IN THE DRY
- 2) WORK TO BE COMPLETED DURING LOW STREAM FLOW AT A MINIMUM OF 3 DAYS OF NO PRECIPITATION PRIOR TO START OF WORK
- 3) DETOUR STREAM AROUND WORK AREA USING COFFERDAM (SANDBAGS) AND DIVERSION PIPE/HOSE AT UPSTREAM CULVERT. DIVERSION PIPE/HOSE WILL EXTEND BEYOND THE DOWNSTREAM WORK AREA AND INTO DOWNSTREAM CULVERT. PUMP WILL BE USED TO PUMP WATER UPSTREAM OF COFFERDAM TO DOWNSTREAM CULVERT. PUMP WILL BE USED TO DEWATER CONSTRUCTION ZONE.
- 4) CONSTRUCT NEW CULVERT SECTION TO CONNECT EXISTING CULVERTS
- 5) ONCE FINAL SECTION OF CULVERT IS COMPLETE THE PUMP AROUND WILL BE REMOVED AND FLOWS RESTORED.



- PROPOSED GROUND
- EXISTING GROUND
- STREAM IMPACT LIMITS

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

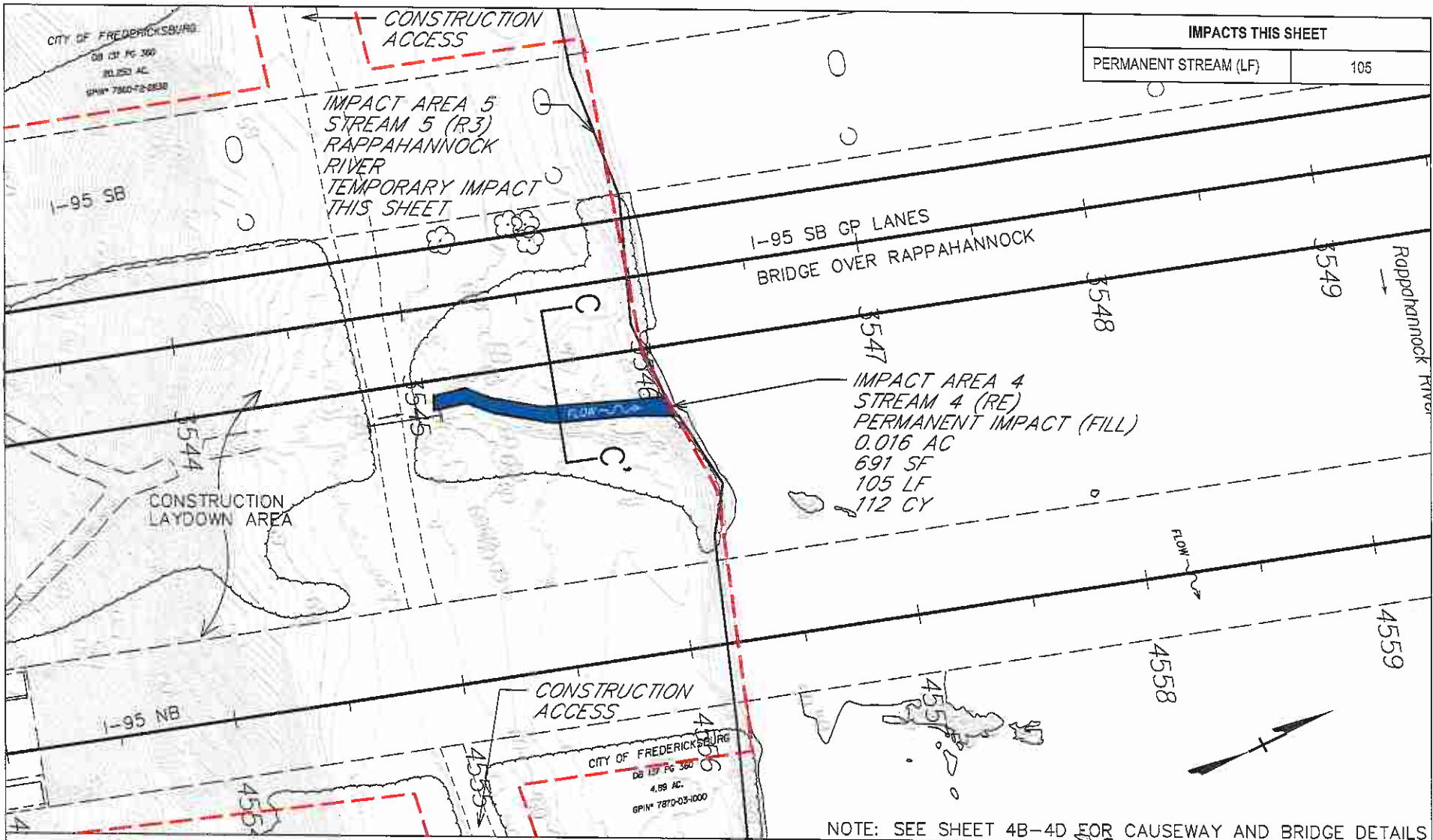
**PROJECT: I-95 SOUTHBOUND CD LANES**  
 BRIDGE OVER THE RAPPAHANNOCK  
 0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION: FREDERICKSBURG,**  
 STAFFORD/SPOTSYLVANIA COUNTIES, VA

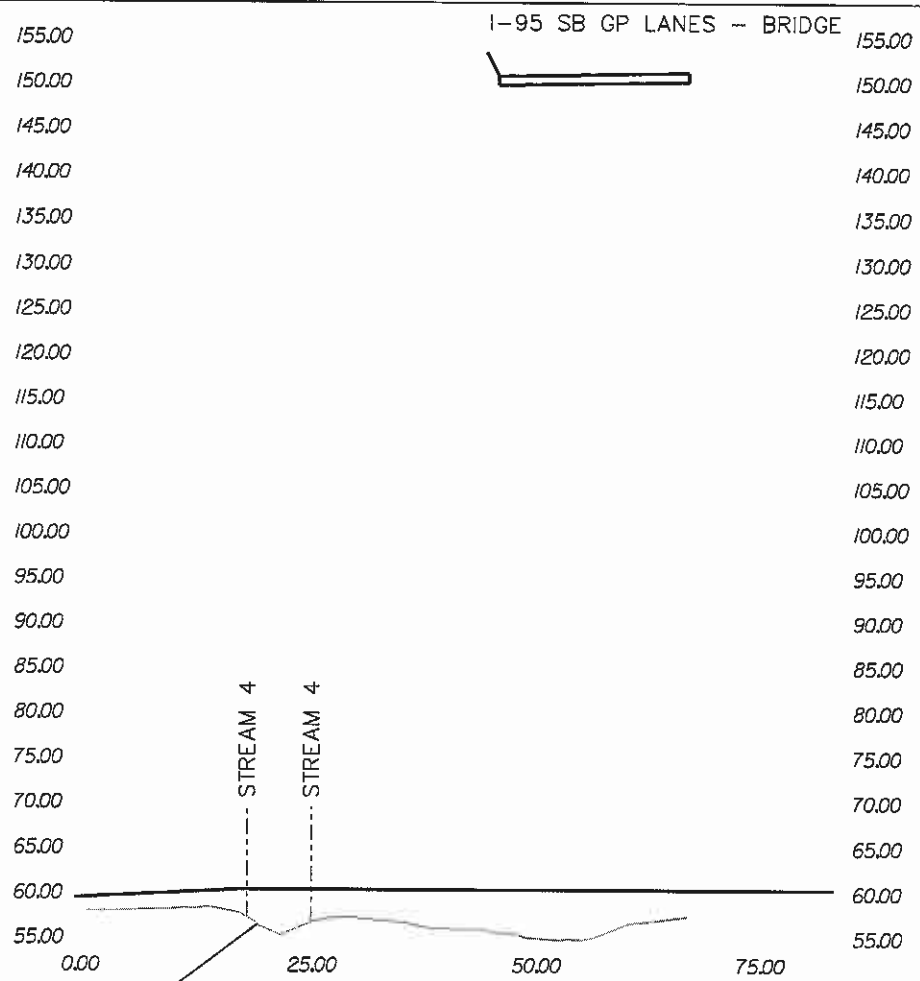
**FIGURE: IMPACT MAP**  
 CROSS SECTION VIEW

**REVISION DATE:**  
 DATE: APRIL 19, 2018

**SHEET: 3A OF 10**



PERMANENT FORESTED (PFO) WETLAND PERMANENT SCRUB-SHRUB (PSS) WETLAND PERMANENT EMERGENT (PEM) WETLAND PERMANENT STREAM	TEMPORARY FORESTED (PFO) WETLAND TEMPORARY SCRUB-SHRUB (PSS) WETLAND TEMPORARY EMERGENT (PEM) WETLAND TEMPORARY STREAM	LOD EXISTING LANES PROPOSED LANES	<p><b>APPLICANT:</b> WAGMAN HEAVY CIVIL 26000 SIMPSON ROAD DINWIDDIE, VA 23803</p> <p><b>PROJECT: I-95 SOUTHBOUND CD LANES</b> BRIDGE OVER THE RAPPAHANNOCK 0095-111-259. P101, R201, C501; 0095-089-741</p> <p><b>LOCATION:</b> FREDERICKSBURG, STAFFORD/SPOTSYLVANIA COUNTIES, VA</p>	<p><b>FIGURE:</b> IMPACT MAP</p> <p><b>SCALE:</b> 1"=60'</p> <p><b>REVISION DATE:</b></p> <p><b>DATE:</b> APRIL 19, 2018</p> <p><b>SHEET:</b> 4 OF 10</p>
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IMPACT AREA 4: S-4  
PERMANENT STREAM IMPACTS

STA: 3545+60.00  
SECTION C-C'

RAPPAHANNOCK RIVER BRIDGE AND ACCESS

- PROPOSED GROUND
- - - - EXISTING GROUND
- - - - - STREAM IMPACT LIMITS

**APPLICANT:**  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

**PROJECT:** I-95 SOUTHBOUND CD LANES  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259. P101, R201, C501; 0095-089-741

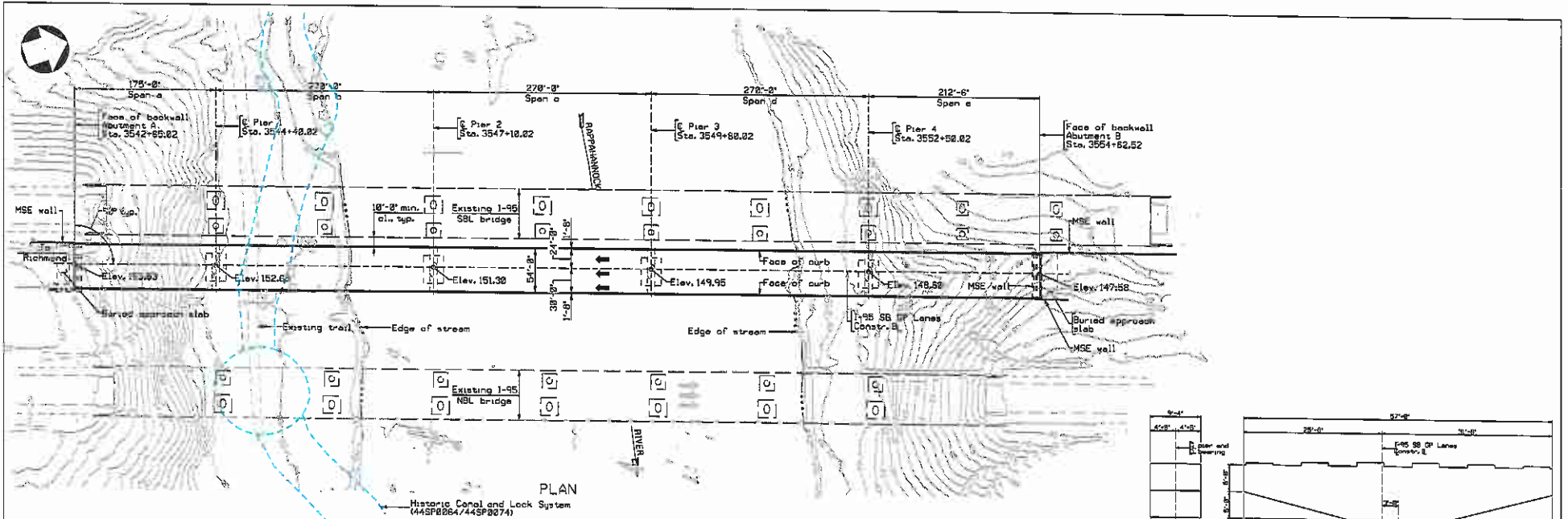
**LOCATION:** FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP  
CROSS SECTION VIEW

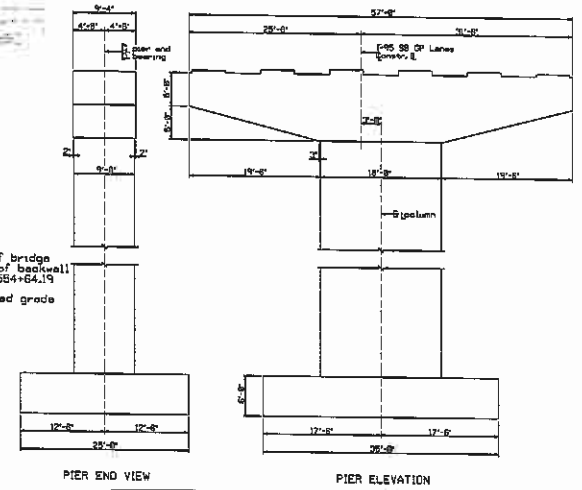
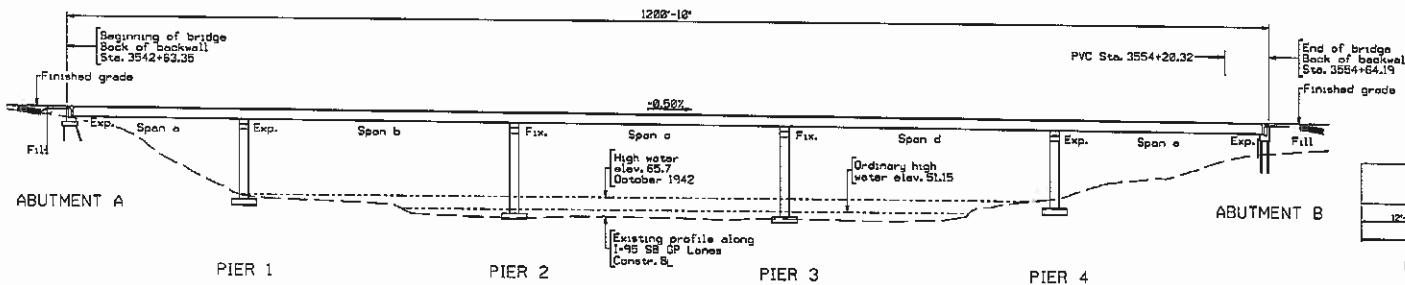
**REVISION DATE:**  
**DATE:** APRIL 19, 2018

**SHEET:** 4A OF 10





\*NOTE: SEE SHEET 4C FOR THE CAUSEWAY DETAILS



I-95 RAPPAHANNOCK RIVER CROSSING  
PLAN AND CROSS SECTION VIEW

Scale: 1" = 120'

IMPACTS BELOW ORDINARY HIGH WATER		
TYPE	VOLUME	AREA
TEMP. CAUSEWAY	7,044 C.Y.	30,480 S.F.
PERMANENT PIER	355 C.Y.	1,750 S.F.

APPLICANT:  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

PROJECT: I-95 SOUTHBOUND CD LANES  
BRIDGE OVER THE RAPPAHANNOCK

LOCATION: FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

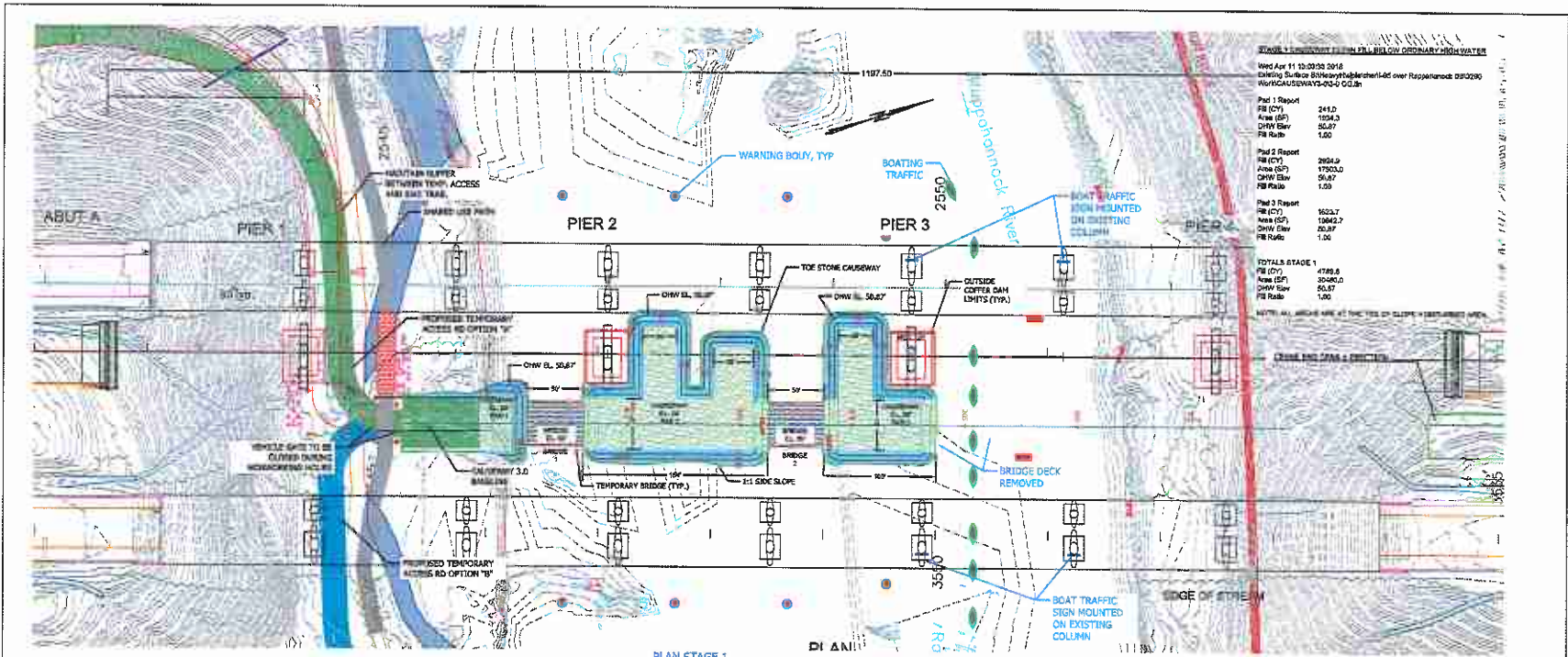
FIGURE: IMPACT MAP

SCALE: 1"=60'

REVISION DATE:

DATE: 4/12/2018

SHEET: 4B OF 9



STAGE 1: CAUSEWAY FROM PIER 1 TO PIER 2 BELOW ORDINARY HIGH WATER

Wed Aug 11 10:39:33 2010  
 Existing Surface: S:\bentley\p01\stn114\del over Rappahannock DPO200 WORKSPACE\VA5-0-00.dwg

Proj 1 Report	
PI (CY)	241.0
Area (SF)	1054.3
CHW Elev	50.87
PI Ratio	1.00

Proj 2 Report	
PI (CY)	2904.9
Area (SF)	17503.0
CHW Elev	50.87
PI Ratio	1.00

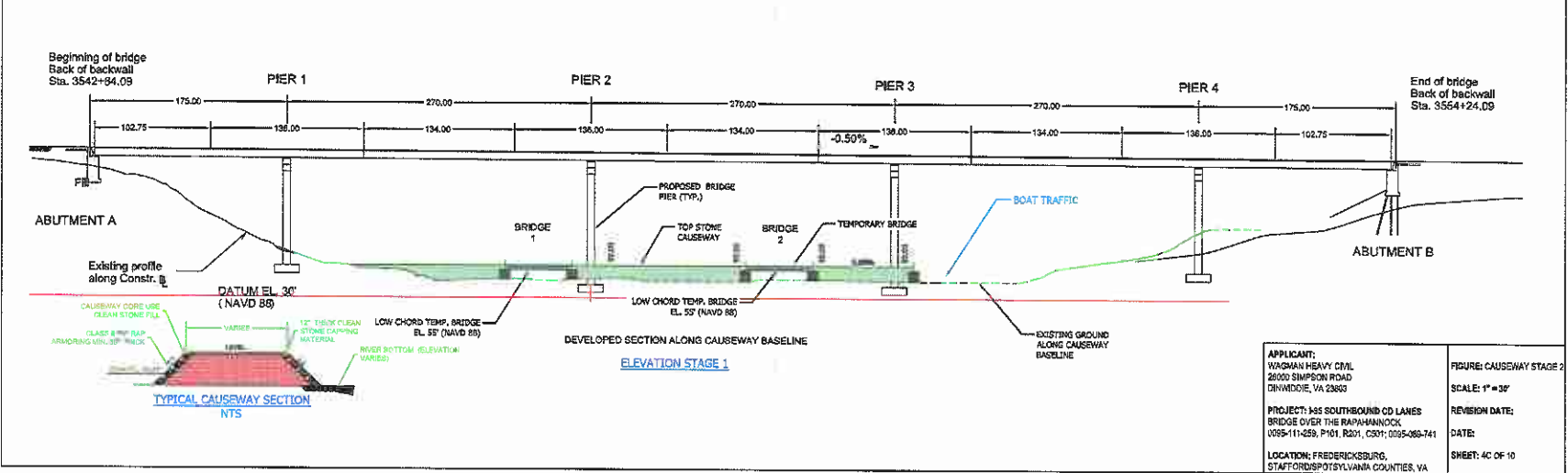
Proj 3 Report	
PI (CY)	9533.7
Area (SF)	19642.7
CHW Elev	50.87
PI Ratio	1.00

TOTAL STAGE 1	
PI (CY)	4779.6
Area (SF)	39549.0
CHW Elev	50.87
PI Ratio	1.00

NOTE: ALL BRIDGE ARE AT THE FEEL OF CLONE + DISTURBED AREA.

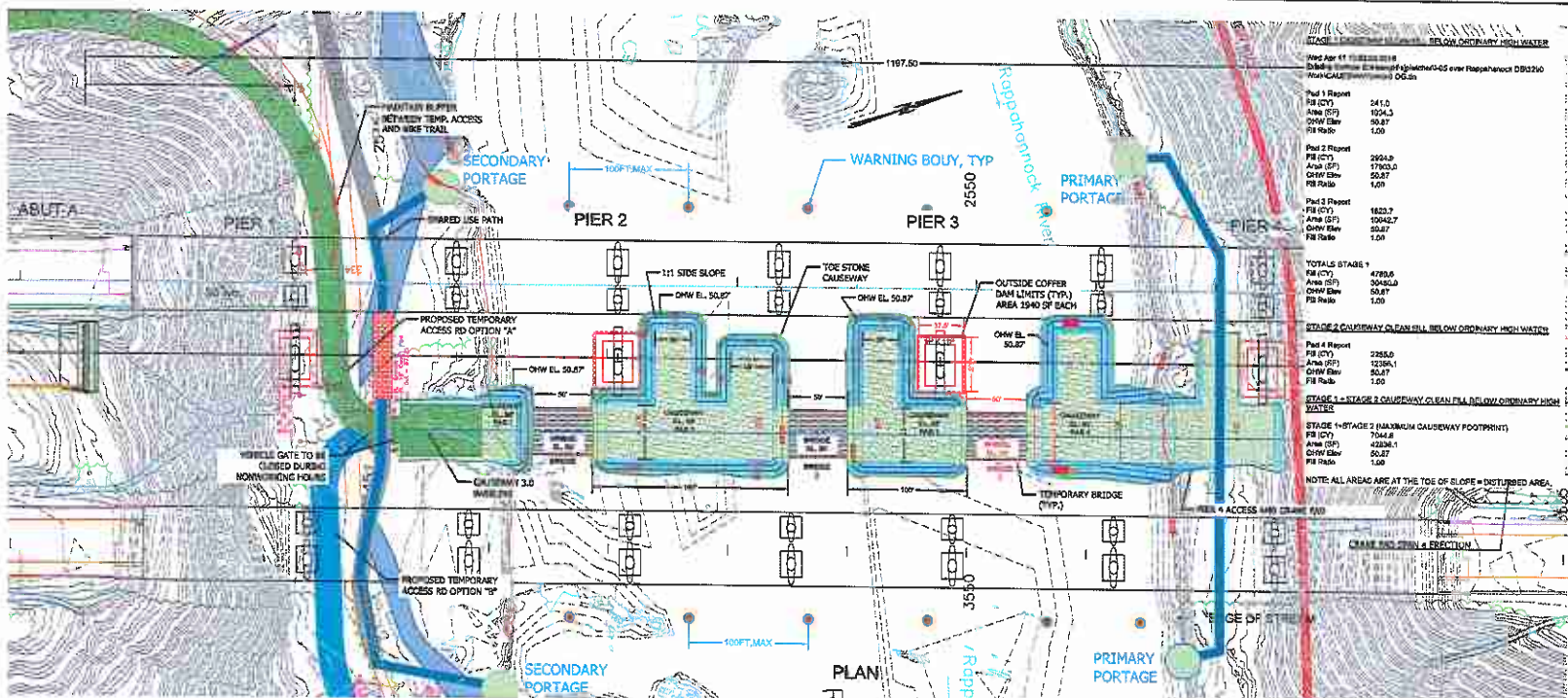
CRANE AND CRAN 4 POSITIONED

PLAN STAGE 1  
SCALE 1"=30'

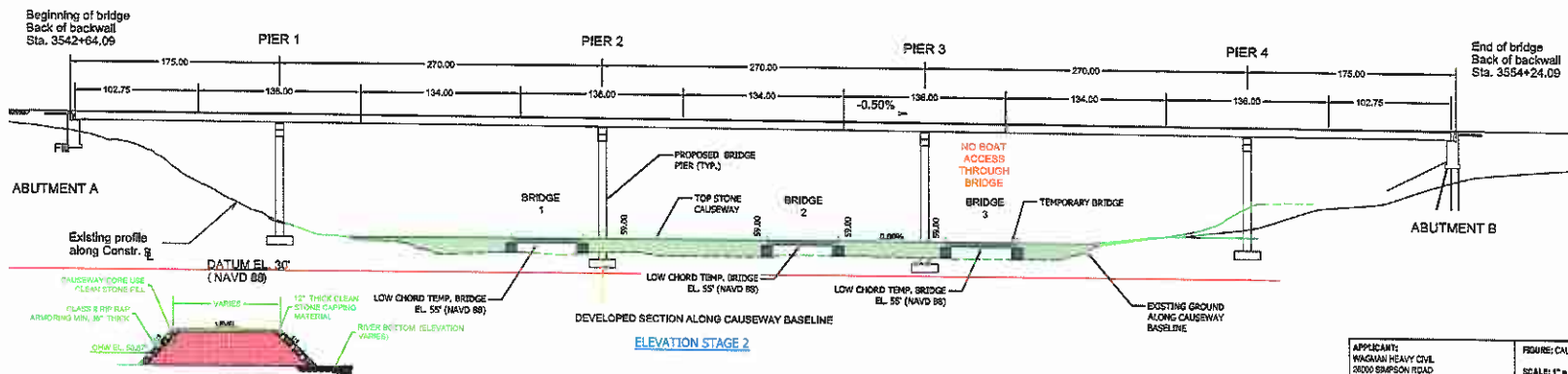


ELEVATION STAGE 1

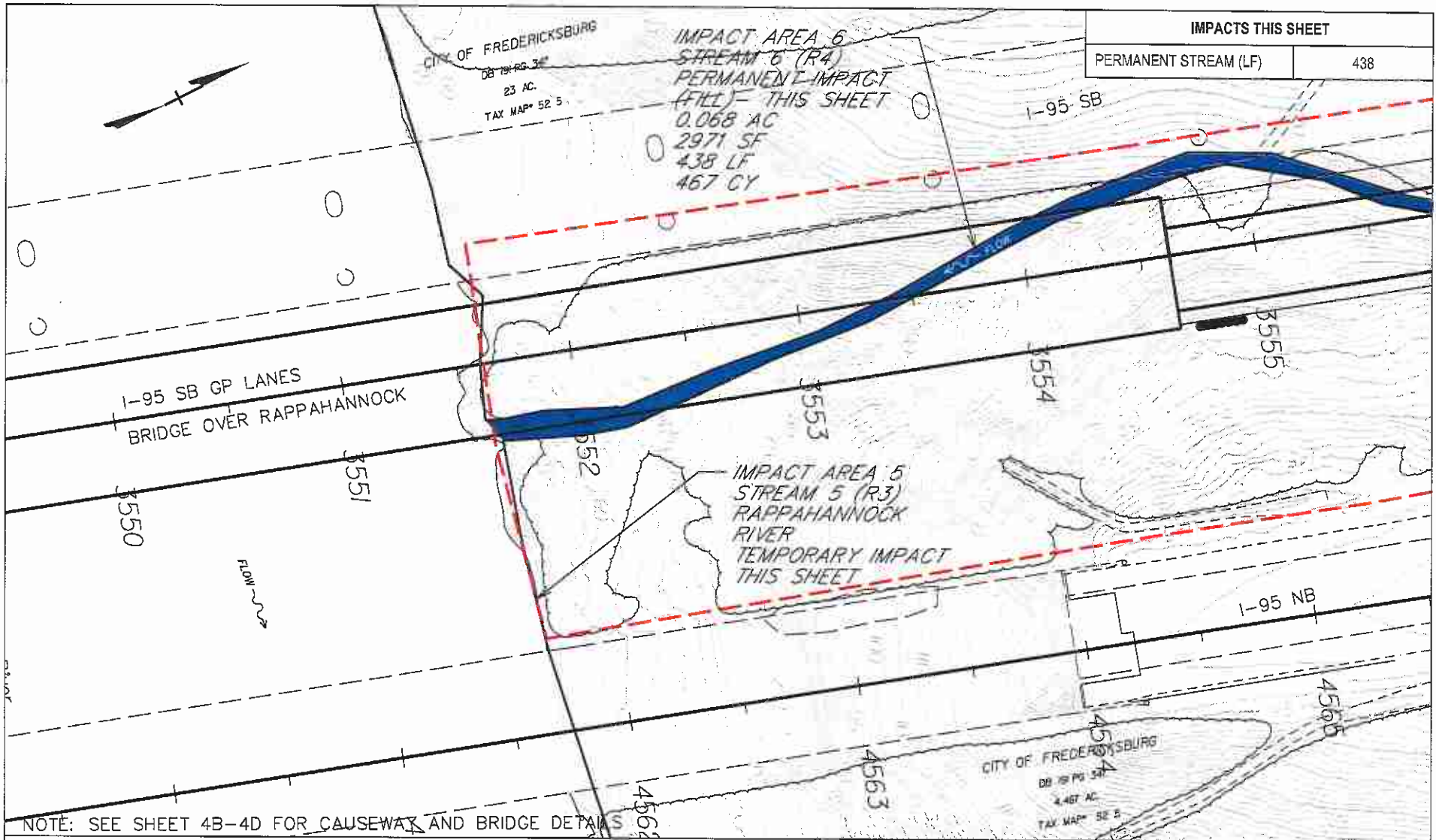
APPLICANT: WINDHAM HEAVY CIVIL 2600 SIMPSON ROAD DINWIDDIE, VA 23003	FIGURE: CAUSEWAY STAGE 2 SCALE: 1" = 30' REVISION DATE: DATE: SHEET: 4C OF 10
PROJECT: I-66 SOUTHBOUND CD Lanes BRIDGE OVER THE RAPPAHANNOCK 0055-111-059, P101, R201, CS01; 0025-060-741	
LOCATION: FREDERICKSBURG, STAFFORD/SPOYTSVILLE/VIRGINIA COUNTIES, VA	



PLAN STAGE 2  
SCALE 1"=30'



ELEVATION STAGE 2



IMPACTS THIS SHEET	
PERMANENT STREAM (LF)	438

NOTE: SEE SHEET 4B-4D FOR CAUSEWAY AND BRIDGE DETAILS

	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES
	PERMANENT STREAM		TEMPORARY STREAM		

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

**PROJECT: I-95 SOUTHBOUND CD LANES BRIDGE OVER THE RAPPAHANNOCK**  
 0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION: FREDERICKSBURG, STAFFORD/SPOTSYLVANIA COUNTIES, VA**

**FIGURE: IMPACT MAP**

**SCALE: 1"=60'**

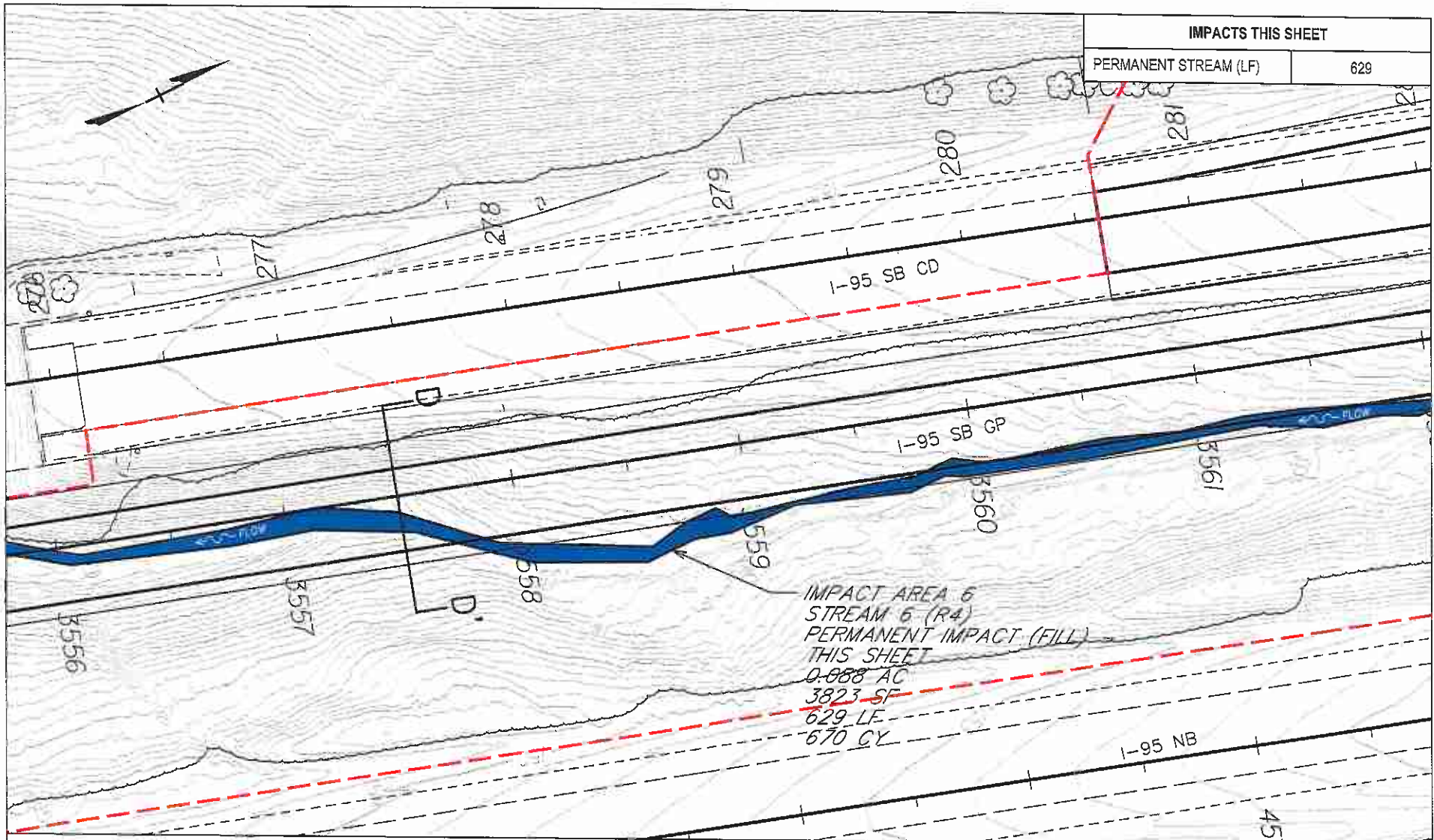
**REVISION DATE:**

**DATE: APRIL 19, 2018**

**SHEET: 5 OF 10**

**IMPACTS THIS SHEET**

PERMANENT STREAM (LF)	629
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IMPACT AREA 6  
 STREAM 6 (R4)  
 PERMANENT IMPACT (FILL)  
 THIS SHEET  
 0.068 AC  
 3823 SF  
 629 LF  
 670 CY

	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES
	PERMANENT STREAM		TEMPORARY STREAM		

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

**PROJECT: I-95 SOUTHBOUND CD LANES  
 BRIDGE OVER THE RAPPAHANNOCK**  
 0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION: FREDERICKSBURG,  
 STAFFORD/SPOTSYLVANIA COUNTIES, VA**

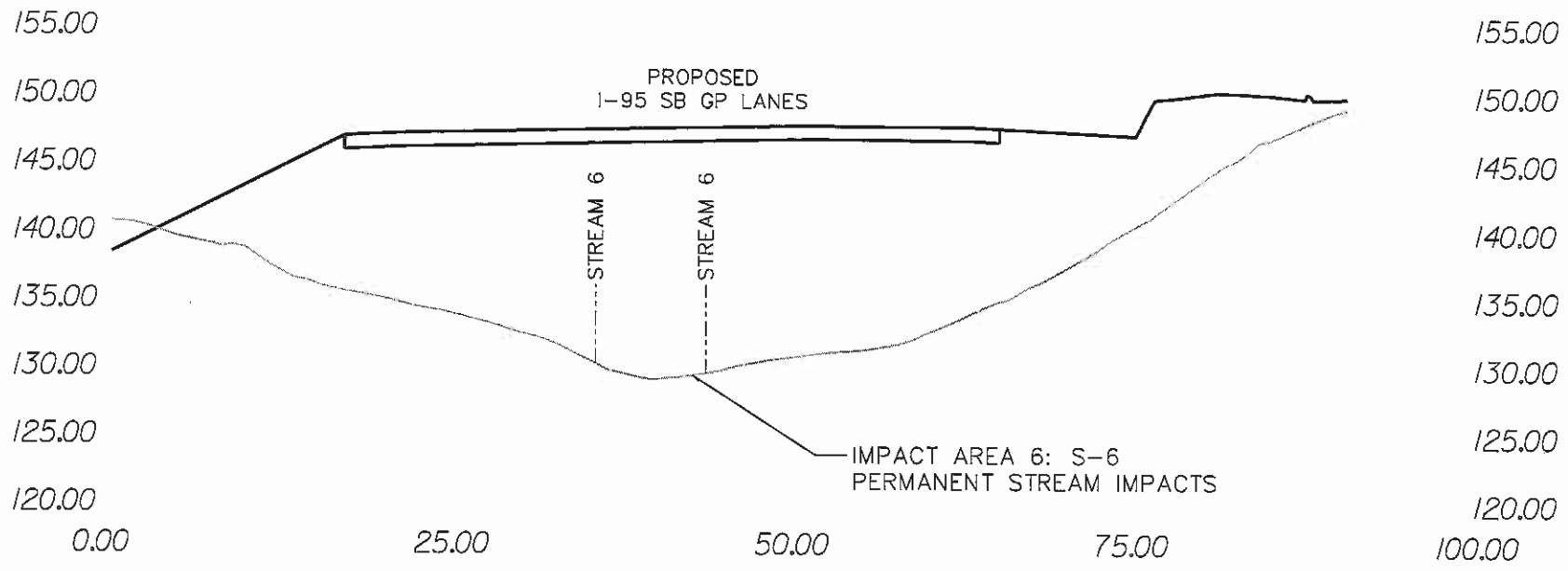
**FIGURE: IMPACT MAP**

**SCALE: 1"=60'**

**REVISION DATE:**

**DATE: APRIL 19, 2018**

**SHEET: 6 OF 10**



STA: 3557+49.55

SECTION D-D'  
I-95 SB GP LANES

- PROPOSED GROUND
- - - EXISTING GROUND
- · · · · STREAM IMPACT LIMITS

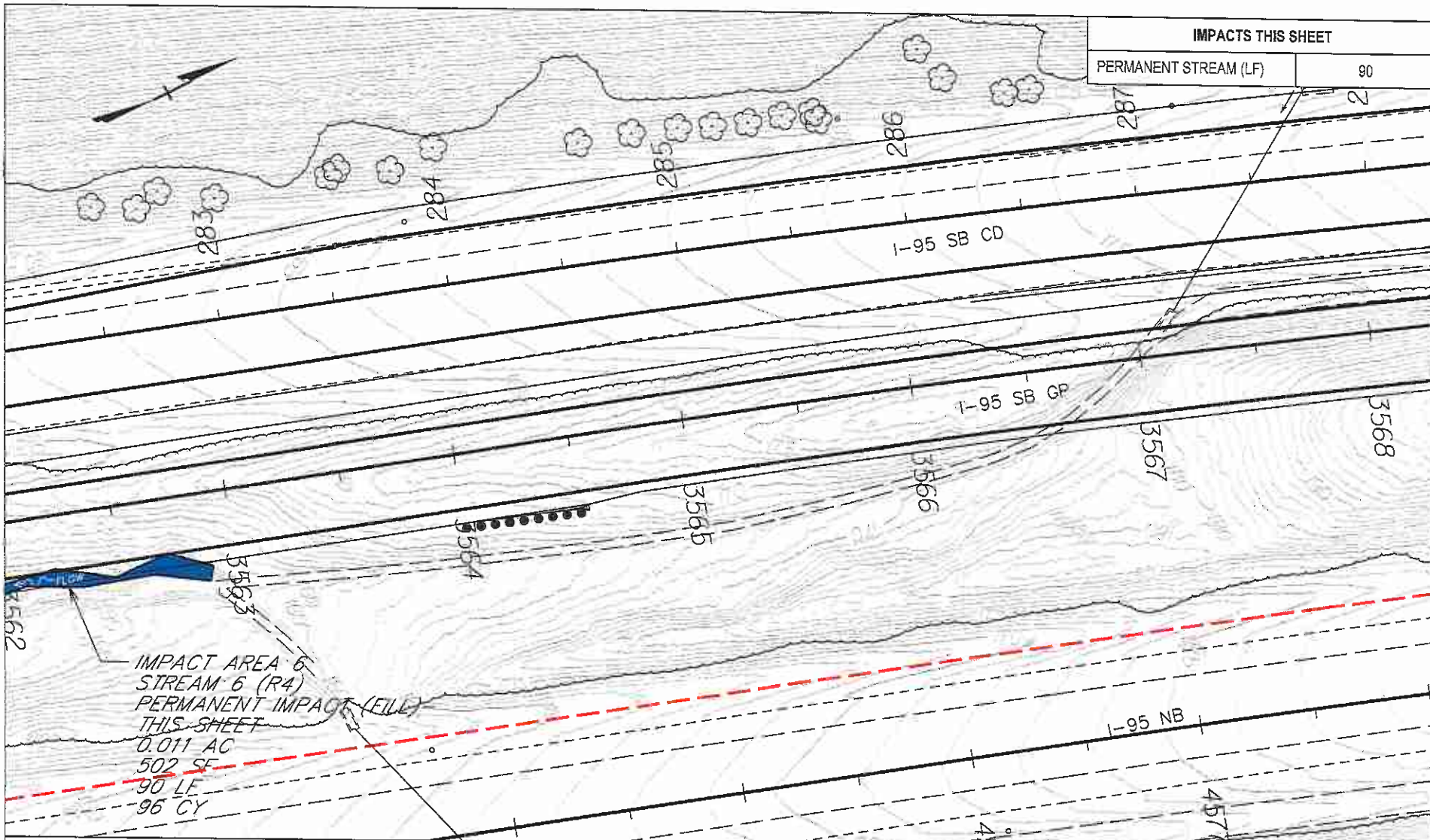
**APPLICANT:**  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

**PROJECT: I-95 SOUTHBOUND CD LANES**  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259. P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP  
CROSS SECTION VIEW

**REVISION DATE:**  
**DATE:** APRIL 19, 2018  
**SHEET:** 6A OF 10



IMPACTS THIS SHEET	
PERMANENT STREAM (LF)	90

IMPACT AREA 6  
 STREAM 6 (R4)  
 PERMANENT IMPACT (FILL)  
 THIS SHEET  
 0.011 AC  
 502 SF  
 90 LF  
 96 CY

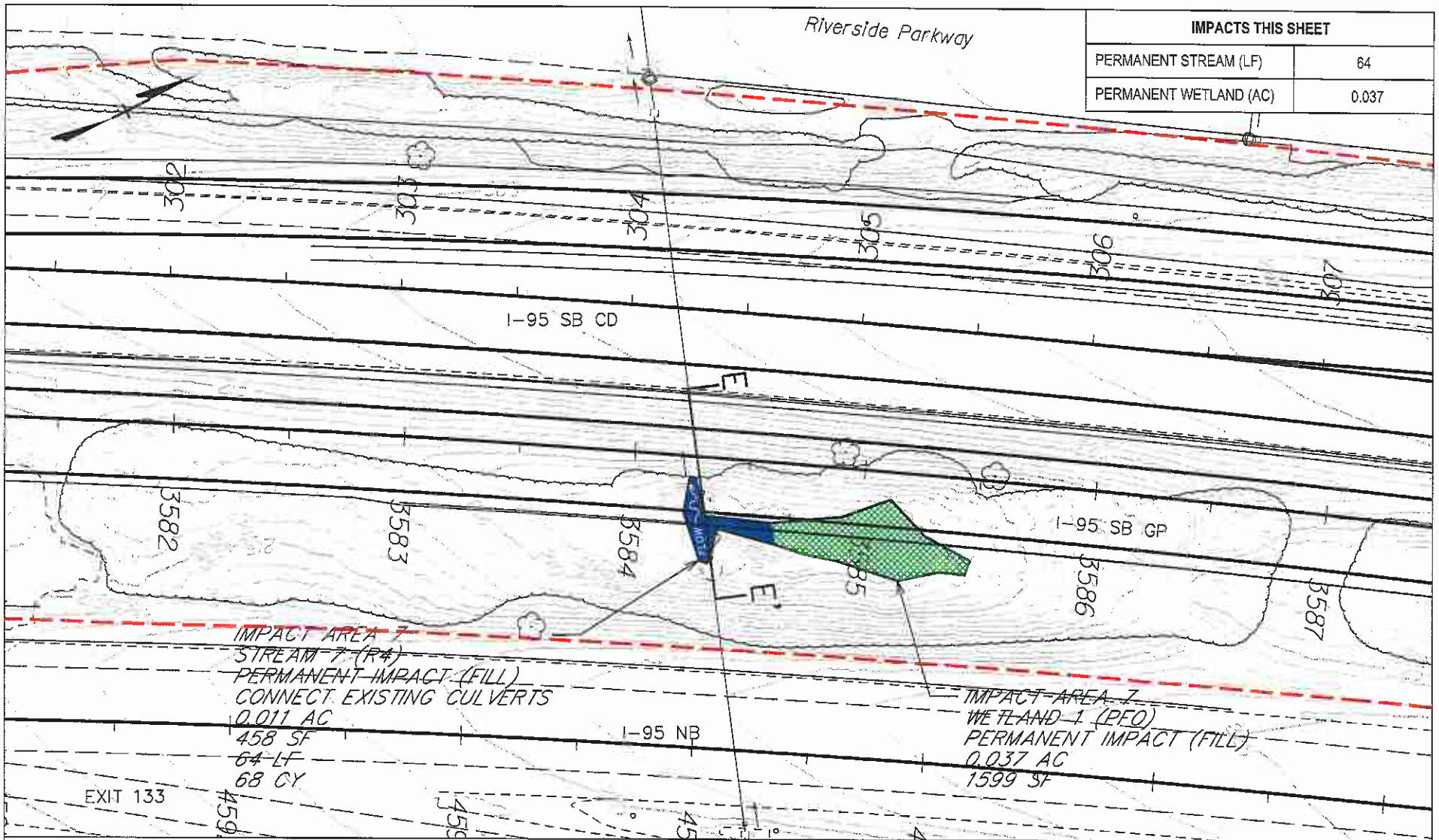
- |  |                                     |  |                                     |  |                |
|--|-------------------------------------|--|-------------------------------------|--|----------------|
|  | PERMANENT FORESTED (PFO) WETLAND    |  | TEMPORARY FORESTED (PFO) WETLAND    |  | LOD            |
|  | PERMANENT SCRUB-SHRUB (PSS) WETLAND |  | TEMPORARY SCRUB-SHRUB (PSS) WETLAND |  | EXISTING LANES |
|  | PERMANENT EMERGENT (PEM) WETLAND    |  | TEMPORARY EMERGENT (PEM) WETLAND    |  | PROPOSED LANES |
|  | PERMANENT STREAM                    |  | TEMPORARY STREAM                    |  |                |

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

**PROJECT: I-95 SOUTHBOUND CD LANES**  
 BRIDGE OVER THE RAPPAHANNOCK  
 0095-111-259. P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
 STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP  
**SCALE:** 1"=60'  
**REVISION DATE:**  
**DATE:** APRIL 19, 2018  
**SHEET:** 7 OF 10



IMPACT AREA 7  
 STREAM 7 (P#)  
 PERMANENT IMPACT (FILL)  
 CONNECT EXISTING CULVERTS  
 0.011 AC  
 458 SF  
 64 LF  
 68 CY

IMPACT AREA 7  
 WETLAND 1 (PFO)  
 PERMANENT IMPACT (FILL)  
 0.037 AC  
 1599 SF

	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES
	PERMANENT STREAM		TEMPORARY STREAM		

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

**PROJECT:** I-95 SOUTHBOUND CD LANES  
 BRIDGE OVER THE RAPPAHANNOCK  
 0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
 STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP

**SCALE:** 1"=60'

**REVISION DATE:**

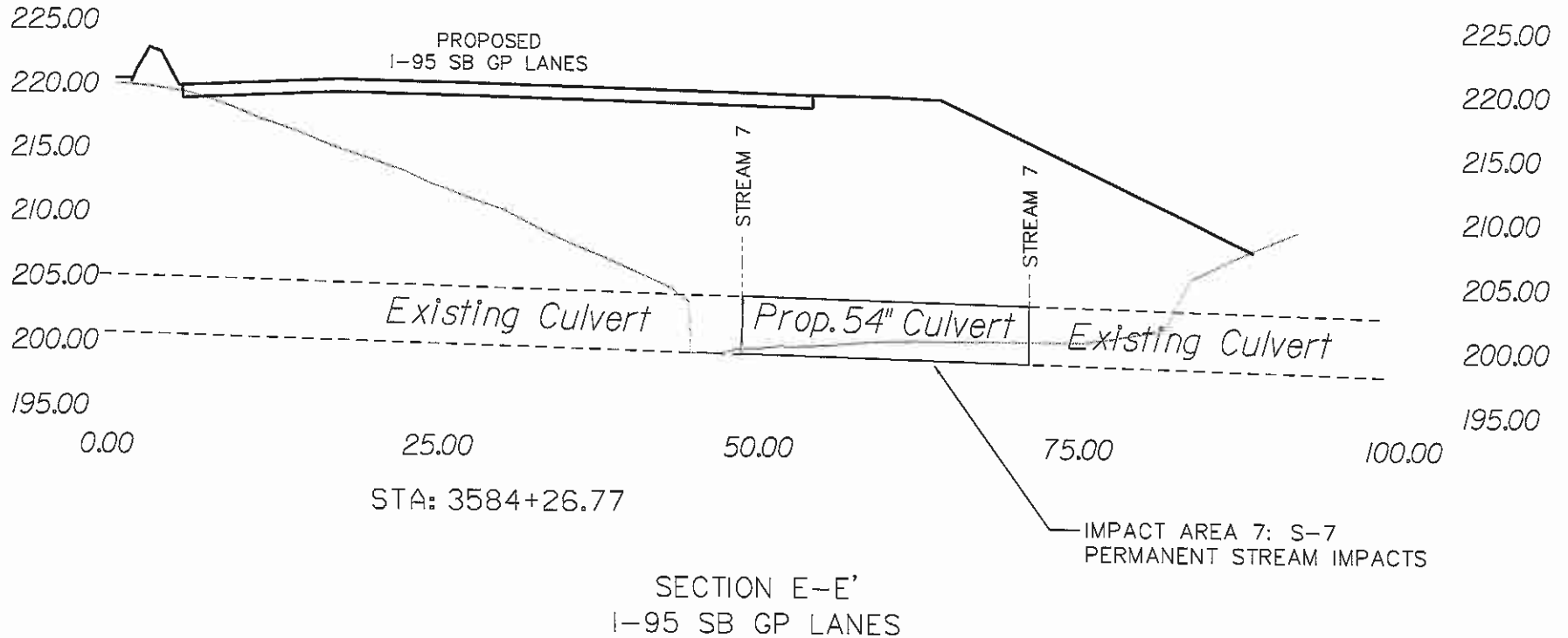
**DATE:** APRIL 19, 2018

**SHEET:** 8 OF 10



NOTES:

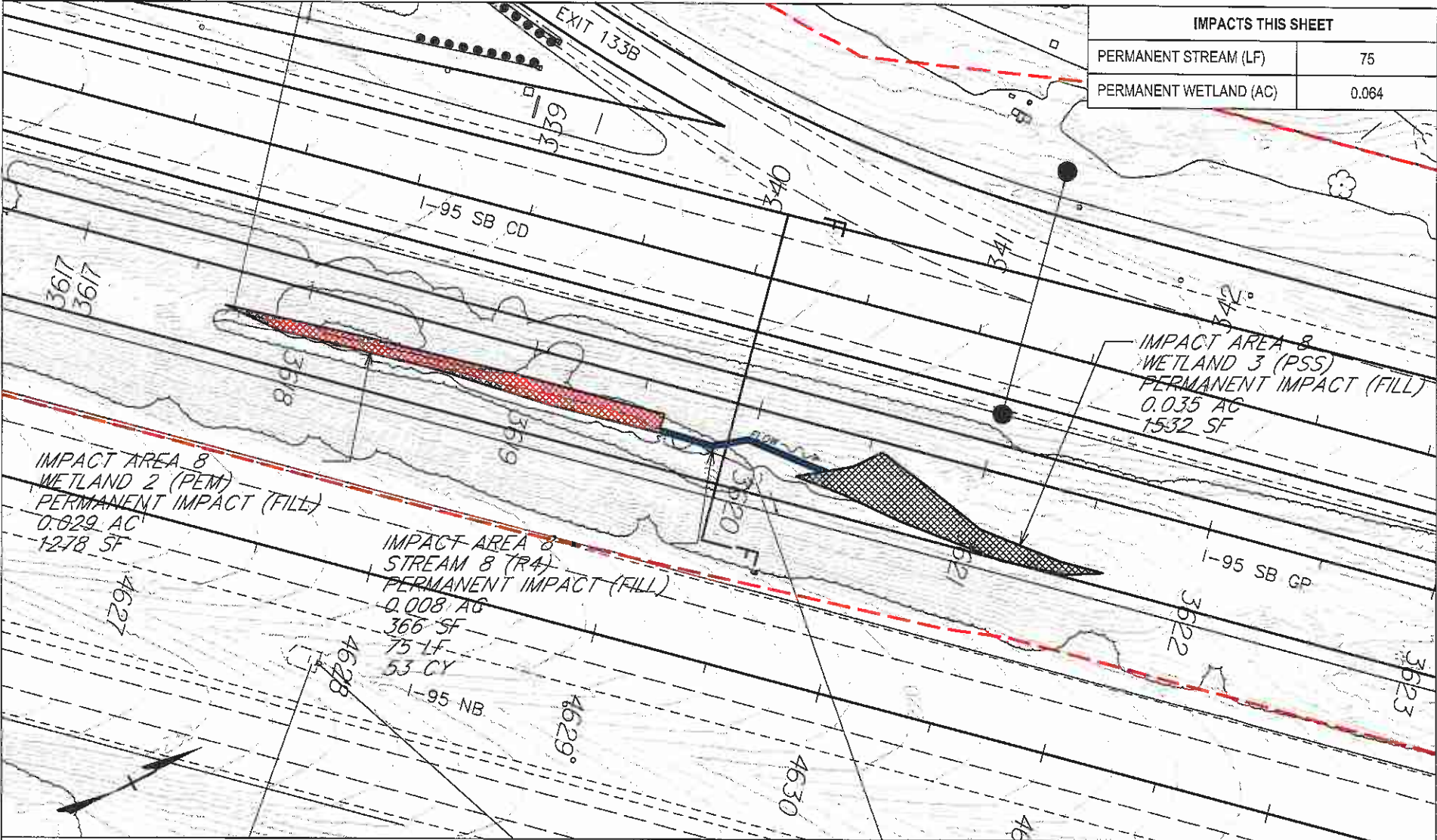
- 1) ALL WORK TO BE COMPLETED IN THE DRY
- 2) WORK TO BE COMPLETED DURING LOW STREAM FLOW AT A MINIMUM OF 3 DAYS OF NO PRECIPITATION PRIOR TO START OF WORK
- 3) DETOUR STREAM AROUND WORK AREA USING COFFERDAM (SANDBAGS) AND DIVERSION PIPE/HOSE AT UPSTREAM CULVERT. DIVERSION PIPE/HOSE WILL EXTEND BEYOND THE DOWNSTREAM WORK AREA AND INTO DOWNSTREAM CULVERT. PUMP WILL BE USED TO PUMP WATER UPSTREAM OF COFFERDAM TO DOWNSTREAM CULVERT. PUMP WILL BE USED TO DEWATER CONSTRUCTION ZONE.
- 4) CONSTRUCT NEW CULVERT SECTION TO CONNECT EXISTING CULVERTS
- 5) ONCE FINAL SECTION OF CULVERT IS COMPLETE THE PUMP AROUND WILL BE REMOVED AND FLOWS RESTORED.



IMPACT AREA 7: S-7  
PERMANENT STREAM IMPACTS

<p>———— PROPOSED GROUND</p> <p>——— EXISTING GROUND</p> <p>----- STREAM IMPACT LIMITS</p>	<p><b>APPLICANT:</b> WAGMAN HEAVY CIVIL 26000 SIMPSON ROAD DINWIDDIE, VA 23803</p> <p><b>PROJECT:</b> I-95 SOUTHBOUND CD LANES BRIDGE OVER THE RAPPAHANNOCK 0095-111-259. P101, R201, C501; 0095-089-741</p> <p><b>LOCATION:</b> FREDERICKSBURG, STAFFORD/SPOTSYLVANIA COUNTIES, VA</p>	<p><b>FIGURE:</b> IMPACT MAP</p> <p>CROSS SECTION VIEW</p> <p><b>REVISION DATE:</b></p> <p><b>DATE:</b> APRIL 19, 2018</p> <p><b>SHEET:</b> 8A OF 10</p>
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IMPACTS THIS SHEET	
PERMANENT STREAM (LF)	75
PERMANENT WETLAND (AC)	0.064



IMPACT AREA 8  
WETLAND 2 (PEM)  
PERMANENT IMPACT (FILL)  
0.029 AC  
1278 SF

IMPACT AREA 8  
STREAM 8 (RA)  
PERMANENT IMPACT (FILL)  
0.008 AC  
366 SF  
75 LF  
53 CY

IMPACT AREA 8  
WETLAND 3 (PSS)  
PERMANENT IMPACT (FILL)  
0.035 AC  
1532 SF

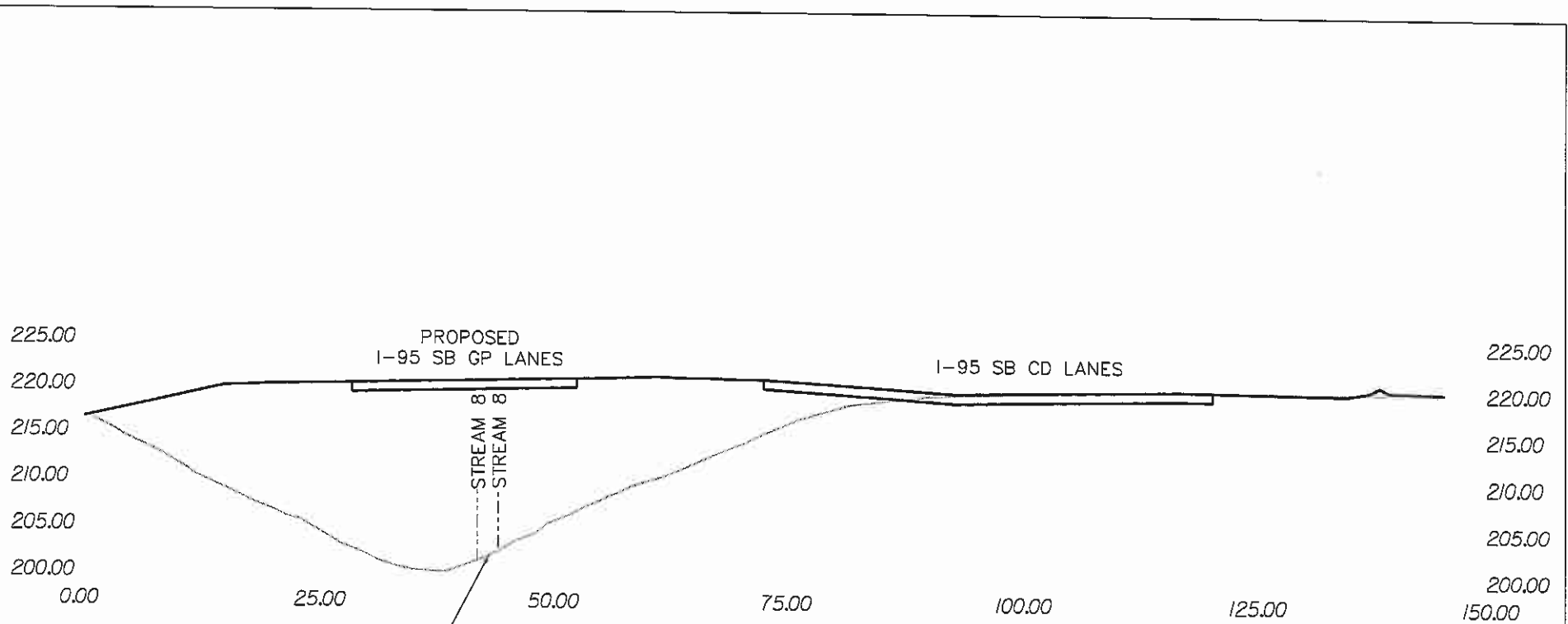
	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES
	PERMANENT STREAM		TEMPORARY STREAM		

**APPLICANT:**  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

**PROJECT:** I-95 SOUTHBOUND CD LANES  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP  
**SCALE:** 1"=60'  
**REVISION DATE:**  
**DATE:** APRIL 19, 2018  
**SHEET:** 9 OF 10



STA: 3619+90.00

IMPACT AREA 8: S-8  
PERMANENT STREAM IMPACTS

SECTION F-F'  
I-95 SB GP AND CD LANES

- PROPOSED GROUND
- - - - EXISTING GROUND
- - - - - STREAM IMPACT LIMITS

**APPLICANT:**  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

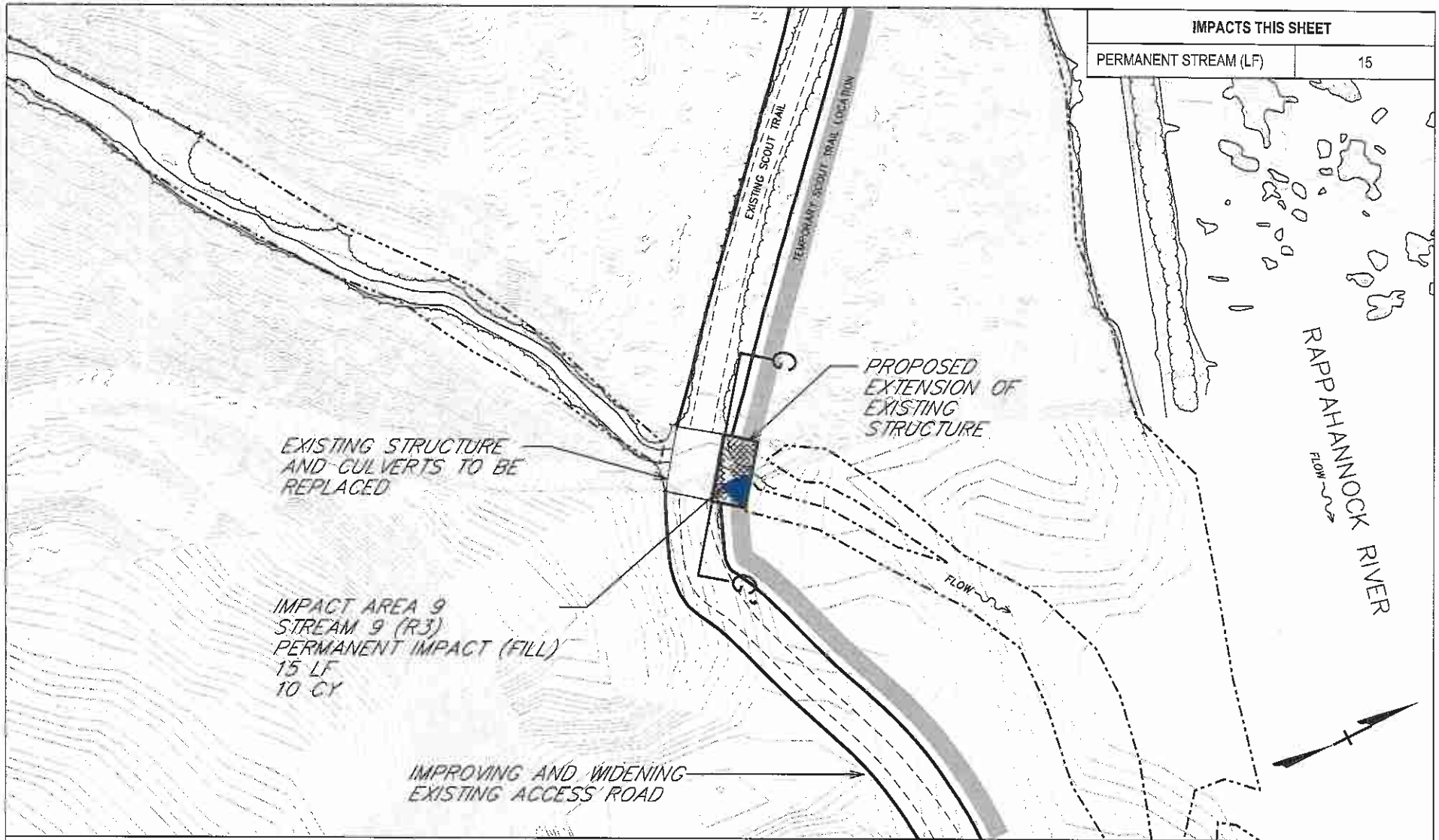
**PROJECT: I-95 SOUTHBOUND CD LANES**  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259. P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP  
CROSS SECTION VIEW

**REVISION DATE:**  
**DATE:** APRIL 19, 2018

**SHEET:** 9A OF 10



IMPACTS THIS SHEET	
PERMANENT STREAM (LF)	15

	PERMANENT FORESTED (PFO) WETLAND		TEMPORARY FORESTED (PFO) WETLAND		LOD
	PERMANENT SCRUB-SHRUB (PSS) WETLAND		TEMPORARY SCRUB-SHRUB (PSS) WETLAND		EXISTING LANES
	PERMANENT EMERGENT (PEM) WETLAND		TEMPORARY EMERGENT (PEM) WETLAND		PROPOSED LANES
	PERMANENT STREAM		TEMPORARY STREAM		STREAM

**APPLICANT:**  
 WAGMAN HEAVY CIVIL  
 26000 SIMPSON ROAD  
 DINWIDDIE, VA 23803

**PROJECT:** I-95 SOUTHBOUND CD LANES  
 BRIDGE OVER THE RAPPAHANNOCK  
 0095-111-259, P101, R201, C501; 0095-089-741

**LOCATION:** FREDERICKSBURG,  
 STAFFORD/SPOTSYLVANIA COUNTIES, VA

**FIGURE:** IMPACT MAP

**SCALE:** 1"=60'

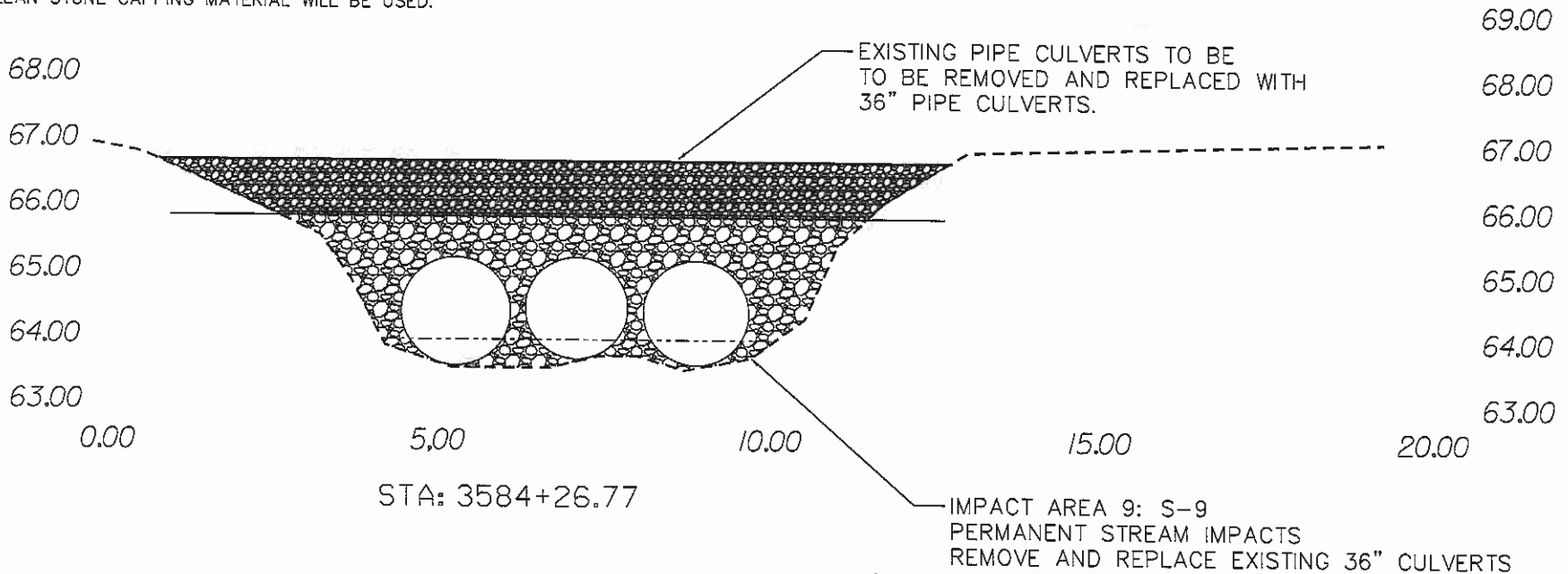
**REVISION DATE:**

**DATE:** APRIL 19, 2018

**SHEET:** 10 OF 10

NOTES:

- 1) ALL WORK TO BE COMPLETED IN THE DRY
- 2) WORK TO BE COMPLETED DURING LOW STREAM FLOW AT A MINIMUM OF 3 DAYS OF NO PRECIPITATION PRIOR TO START OF WORK
- 3) DETOUR STREAM AROUND WORK AREA USING COFFERDAM (SANDBAGS) AND DIVERSION PIPE/HOSE AT UPSTREAM CULVERT. DIVERSION PIPE/HOSE WILL EXTEND BEYOND THE DOWNSTREAM WORK AREA AND INTO DOWNSTREAM CULVERT. PUMP WILL BE USED TO PUMP WATER UPSTREAM OF COFFERDAM TO DOWNSTREAM CULVERT. PUMP WILL BE USED TO DEWATER CONSTRUCTION ZONE.
- 4) ONCE FINAL SECTION OF CULVERT IS COMPLETE THE PUMP AROUND WILL BE REMOVED AND FLOWS RESTORED.
- 5) CLEAN STONE FILL AND CLASS II RIP RAP TO BE USED FOR REPLACEMENT CROSSING.
- 6) CLEAN STONE CAPPING MATERIAL WILL BE USED.



STA: 3584+26.77

SECTION G-G'  
I-95 CONSTRUCTION ACCESS  
ROAD IMPROVEMENTS

IMPACT AREA 9: S-9  
PERMANENT STREAM IMPACTS  
REMOVE AND REPLACE EXISTING 36" CULVERTS

- PROPOSED GROUND
- EXISTING GROUND
- - - - - STREAM IMPACT LIMITS

APPLICANT:  
WAGMAN HEAVY CIVIL  
26000 SIMPSON ROAD  
DINWIDDIE, VA 23803

PROJECT: I-95 SOUTHBOUND CD LANES  
BRIDGE OVER THE RAPPAHANNOCK  
0095-111-259, P101, R201, C501; 0095-089-741

LOCATION: FREDERICKSBURG,  
STAFFORD/SPOTSYLVANIA COUNTIES, VA

FIGURE: IMPACT MAP  
CROSS SECTION VIEW  
REVISION DATE:  
DATE: APRIL 17, 2018  
SHEET: 10A OF 10