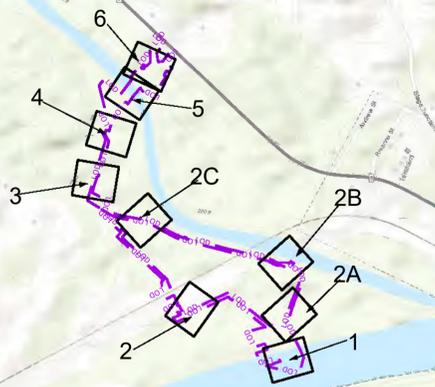
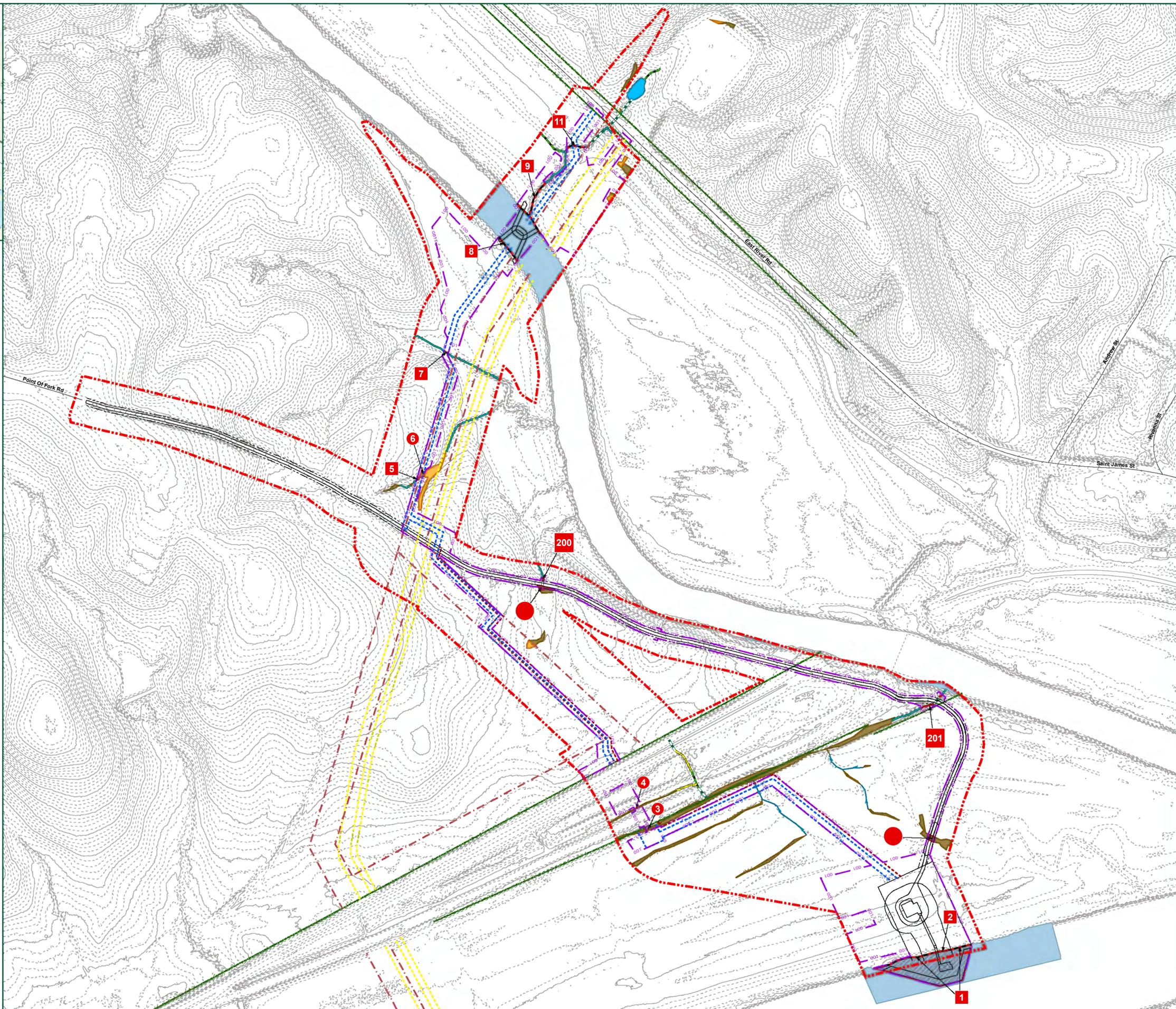


Detail Sheet Index



Legend

- Project Study Limits (2016 Delineation)
- Proposed Limits of Disturbance
- Stream Impact
- Wetland Impact
- Permanent Stream Impact
- Temporary Stream Impact
- Existing Culvert
- Perennial Stream (R3)
- Intermittent Stream (R4)
- Ephemeral Stream (R6)
- Ditch
- Excavation/Fill Impact
- Construction Easement Impact
- Maintained Easement Impact
- Temporary Wetland Impact
- Permanent Conversion Wetland Impact
- Permanent Wetland Impact
- Perennial Stream (R3)
- Palustrine Emergent (PEM) Wetlands
- Palustrine Forested (PFO) Wetlands
- Palustrine Open Water (POW)
- Project Water Easement
- Project Utility Easement
- Existing Power Easement
- Existing Utility Easement
- Road Easement
- Existing Right of Way
- Topographic Contours**
- 10 Foot
- 2 Foot



TIMMONS GROUP
 YOUR VISION ACHIEVED THROUGH OURS.
 1001 Boulders Parkway, Suite 300
 Richmond, VA 23225
 TEL 804.200.6500
 www.timmons.com

JAMES RIVER WATER SUPPLY PROJECT
 FLUVANNA COUNTY, VIRGINIA

DATE: 03/06/2020
 PROJECT NUMBER: 33927
 PROJECT NAME: JAMES RIVER WATER SUPPLY PROJECT
 DESIGNED BY / DRAWN BY: A. MEHFOUD

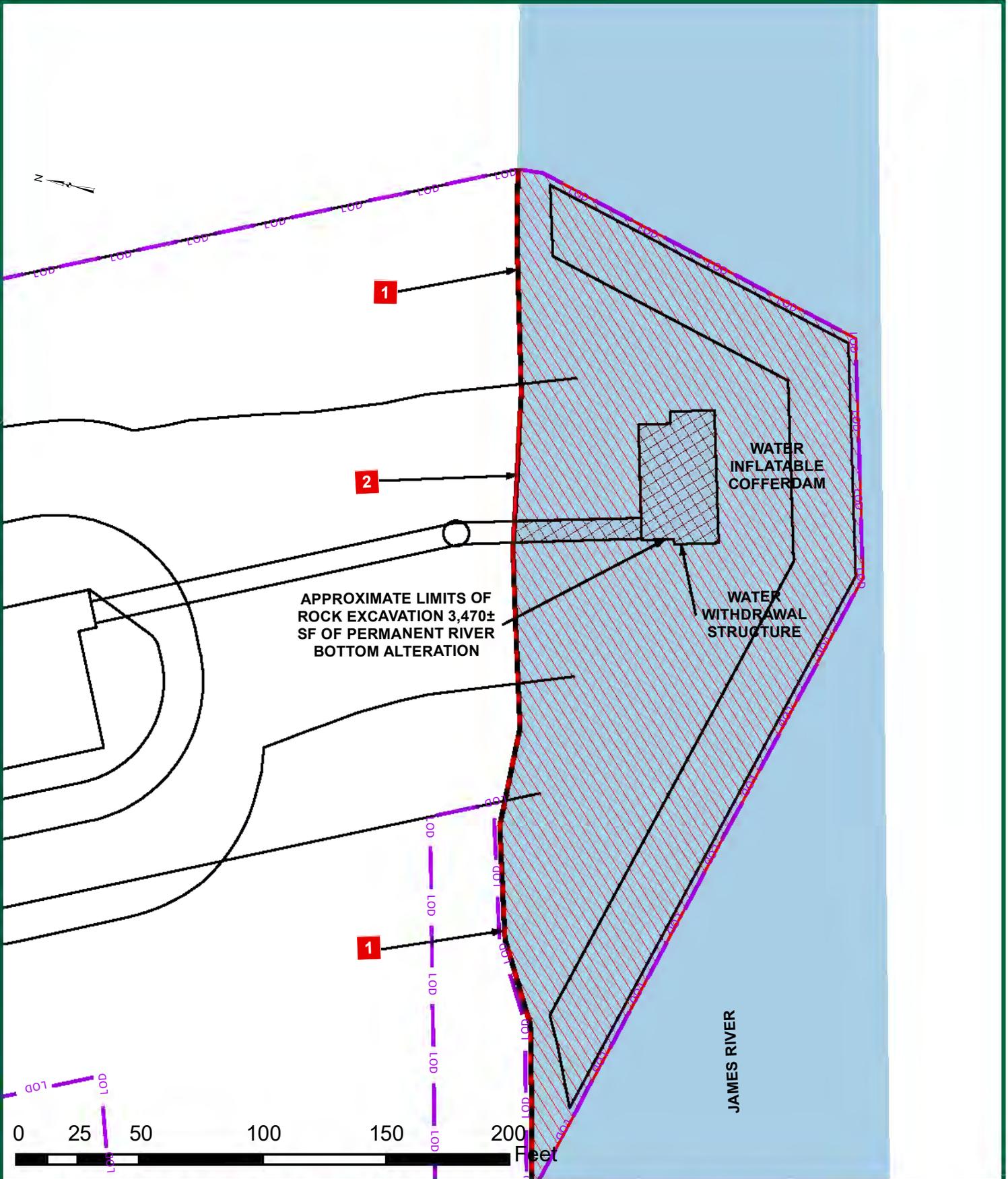
1. Waters of the U.S. within the project study limits have been located using submeter, Bluetooth GPS antennas by Timmons Group.
 2. Waters of the U.S. have been confirmed by the U.S. Army Corps of Engineers within all project areas.
 3. Project study limits are approximate.
 4. Topography based on VGIN LIDAR.
 5. Cowardin Stream Classifications are based solely on field observations. No formal Stream assessment methodology was completed to determine these Cowardin Classifications.

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction taking without the express written consent of TIMMONS GROUP.

NO.	DATE	DESCRIPTION

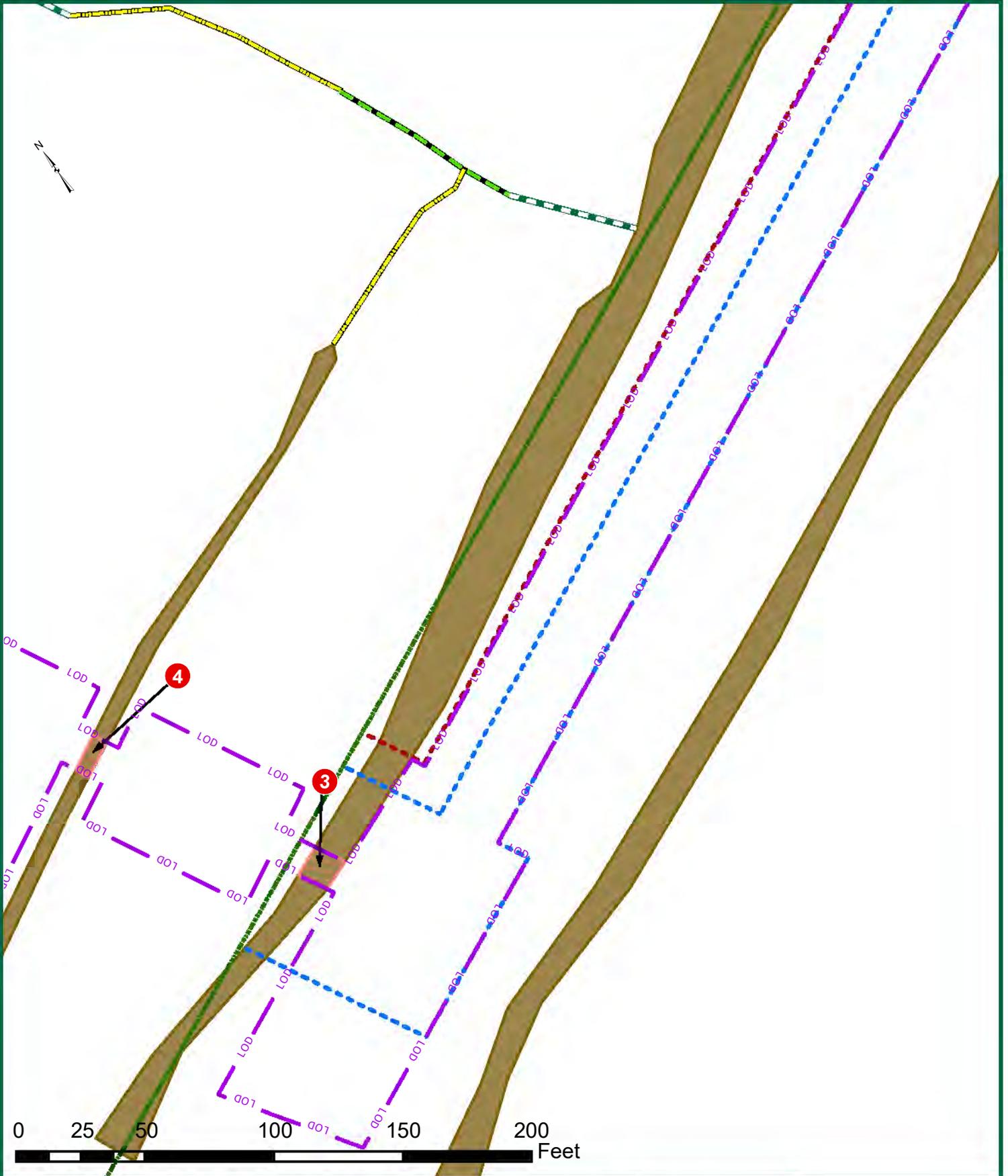
PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - OVERALL

SCALE (FEET)
 0 200 400
 PLANS PRINTED AS 11X17 ARE HALF SCALE
 H:1" = 200' 1 of 1



<h1>TIMMONS GROUP</h1>		YOUR VISION ACHIEVED THROUGH CARE		THIS DRAWING PREPARED AT THE CORPORATE OFFICE 1001 Boulders Parkway, Suite 300 Richmond, VA 23225 TEL 804.200.6500 FAX 804.560.1648 www.timmons.com	
				Site Development Residential Infrastructure Technology Environmental	
<h2>JAMES RIVER WATER SUPPLY PROJECT</h2> LOUISA & FLUVANNA COUNTY, VIRGINIA				DATE: _____ REVISION DESCRIPTION: _____	
<h3>PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL</h3>				DATE: 03/06/2020 DESIGNED BY: A. MEHFROUD CHECKED BY: E. WRIGHT SCALE: 1" = 80'	
JOB NUMBER: 33927 SHEET NO. 1 OF 6					

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



TIMMONS GROUP

JAMES RIVER WATER SUPPLY PROJECT
LOUISA & FLUVANNA COUNTY, VIRGINIA

PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL

JOE NUMBER: 33927
SHEET NO: 2 OF 6

DESIGNED BY: A. MEHFOLD
CHECKED BY: E. WRIGHT
SCALE: 1" = 50'

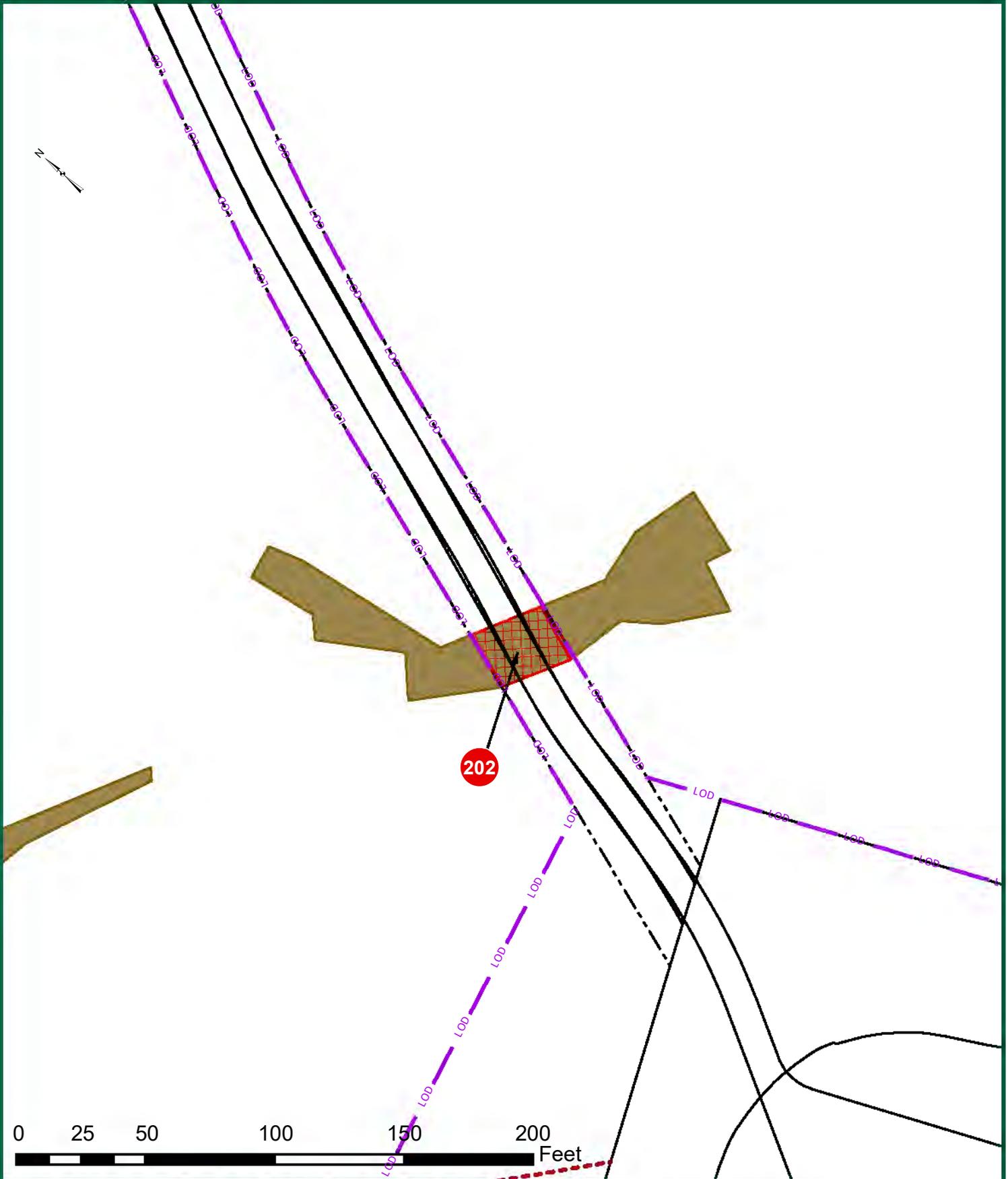
DATE: 03/06/2020
DRAWN BY: A. MEHFOLD

YOUR VOICE ACHIEVED THROUGH OURS

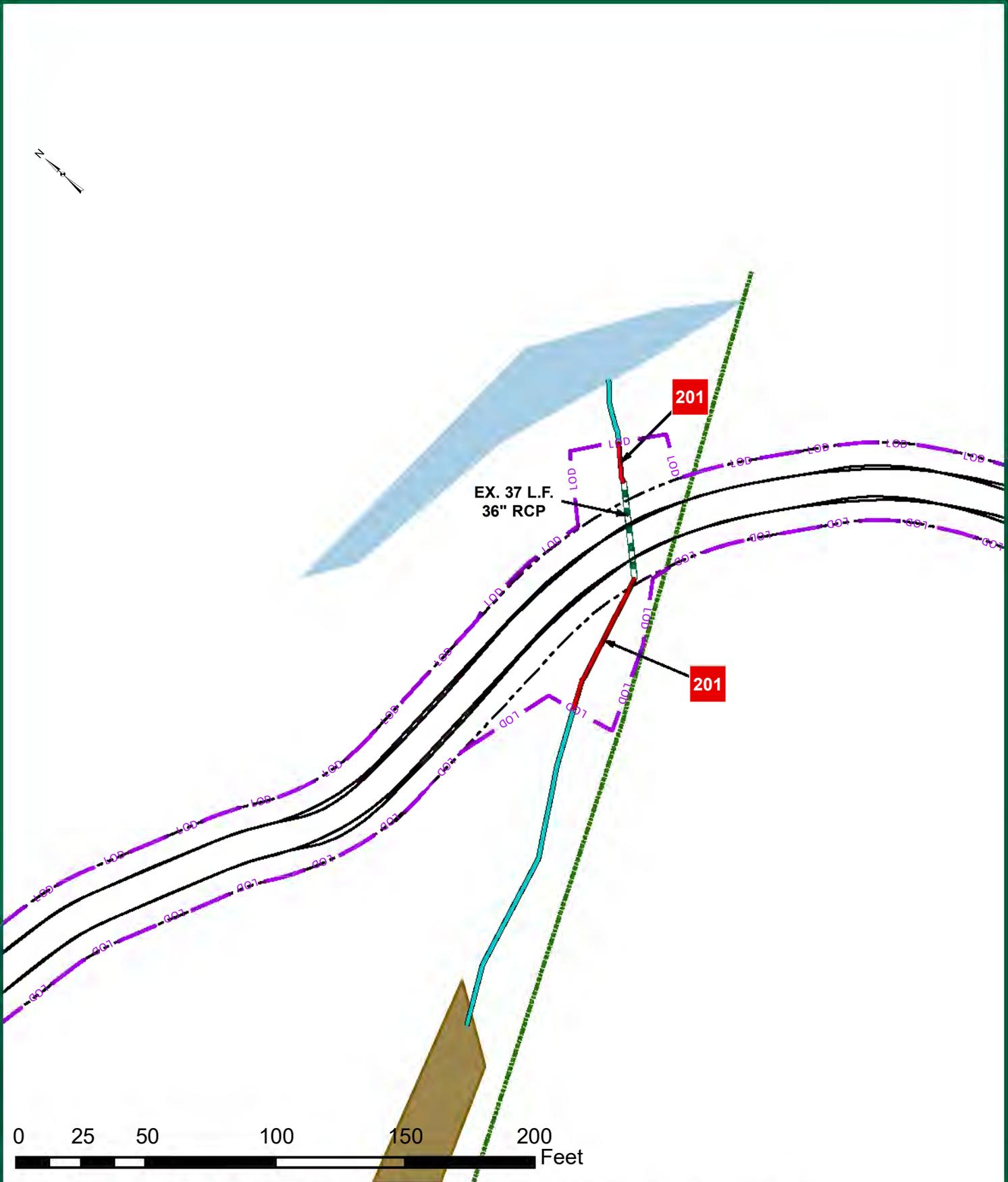
Site Development | Residential | Infrastructure | Technology | Environmental

THIS DRAWING PREPARED AT THE CORPORATE OFFICE
1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

DATE	REVISION DESCRIPTION



<h1>TIMMONS GROUP</h1>		<p>YOUR VISION ACHIEVED THROUGH OURS</p>		<p>THIS DRAWING PREPARED AT THE CORPORATE OFFICE 1001 Boulders Parkway, Suite 300 Richmond, VA 23225 TEL 804.200.6500 FAX 804.560.1648 www.timmons.com</p>	
<p>JAMES RIVER WATER SUPPLY PROJECT LOUISA & FLUVANNA COUNTY, VIRGINIA</p>		<p>Site Development Residential Infrastructure Technology Environmental</p>		<p>REVISION DESCRIPTION</p>	
<p>PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL</p>		<p>DESIGNED BY A. MEHFOLD</p>		<p>DATE</p>	
<p>CHECKED BY E. WRIGHT</p>		<p>DRAWN BY A. MEHFOLD</p>		<p>DATE</p>	
<p>SCALE 1" = 50'</p>		<p>DATE 03/06/2020</p>		<p>DATE</p>	
<p>JOE NUMBER 33927</p>		<p>SHEET NO 2A OF 6</p>		<p>DATE</p>	



TIMMONS GROUP

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
 TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS

Site Development | Residential | Infrastructure | Technology | Environmental

THIS DRAWING PREPARED AT THE CORPORATE OFFICE

JAMES RIVER WATER SUPPLY PROJECT
 LOUISA & FLUVANNA COUNTY, VIRGINIA

DESIGNED BY
A. MEHFOLD

CHECKED BY
E. WRIGHT

SCALE
1" = 50'

DATE
03/06/2020

DRAWN BY
A. MEHFOLD

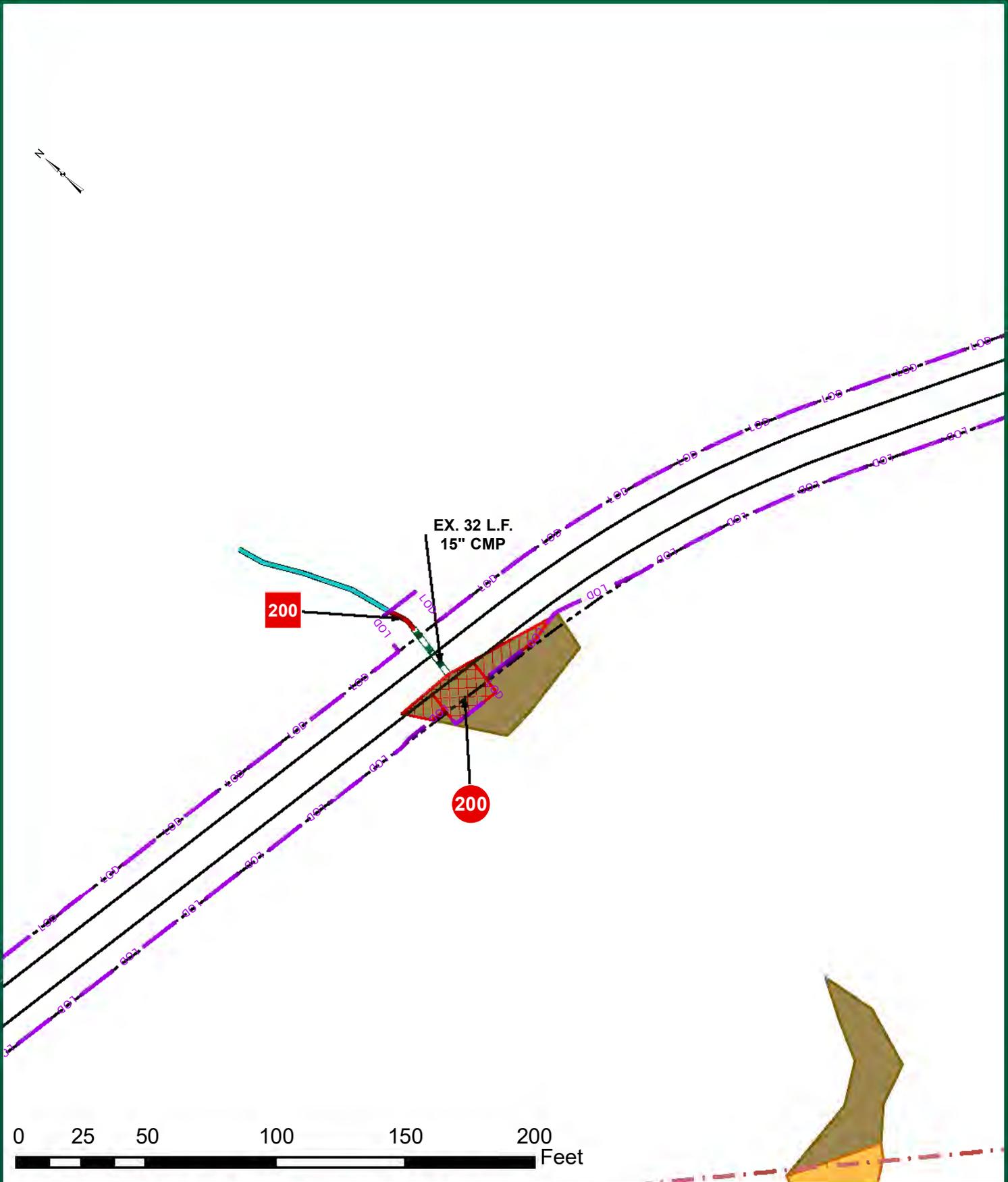
NO.	DATE	REVISION DESCRIPTION

JOB NUMBER
33927

SHEET NO
28 OF 6

PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



TIMMONS GROUP

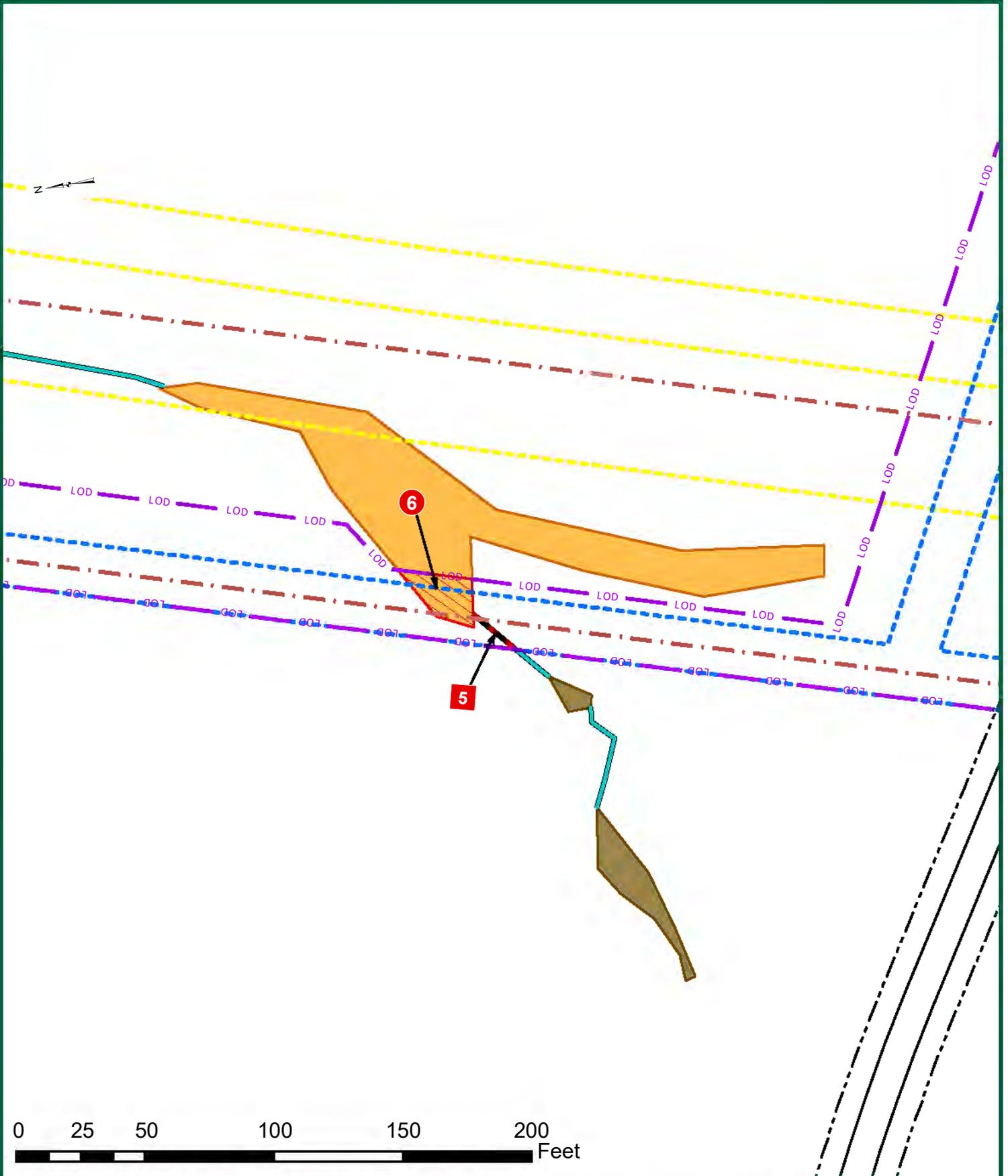
1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
 TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

THIS DRAWING PREPARED AT THE CORPORATE OFFICE

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
 TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

<p>Site Development Residential Infrastructure Technology Environmental</p>	
<h2>JAMES RIVER WATER SUPPLY PROJECT</h2> <p>LOUISA & FLUVANNA COUNTY, VIRGINIA</p>	
<h3>PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL</h3>	
<p>DESIGNED BY A. MEHFOLD</p> <p>CHECKED BY E. WRIGHT</p> <p>SCALE 1" = 50'</p>	
<p>DATE 03/06/2020</p>	
<p>DATE</p>	

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



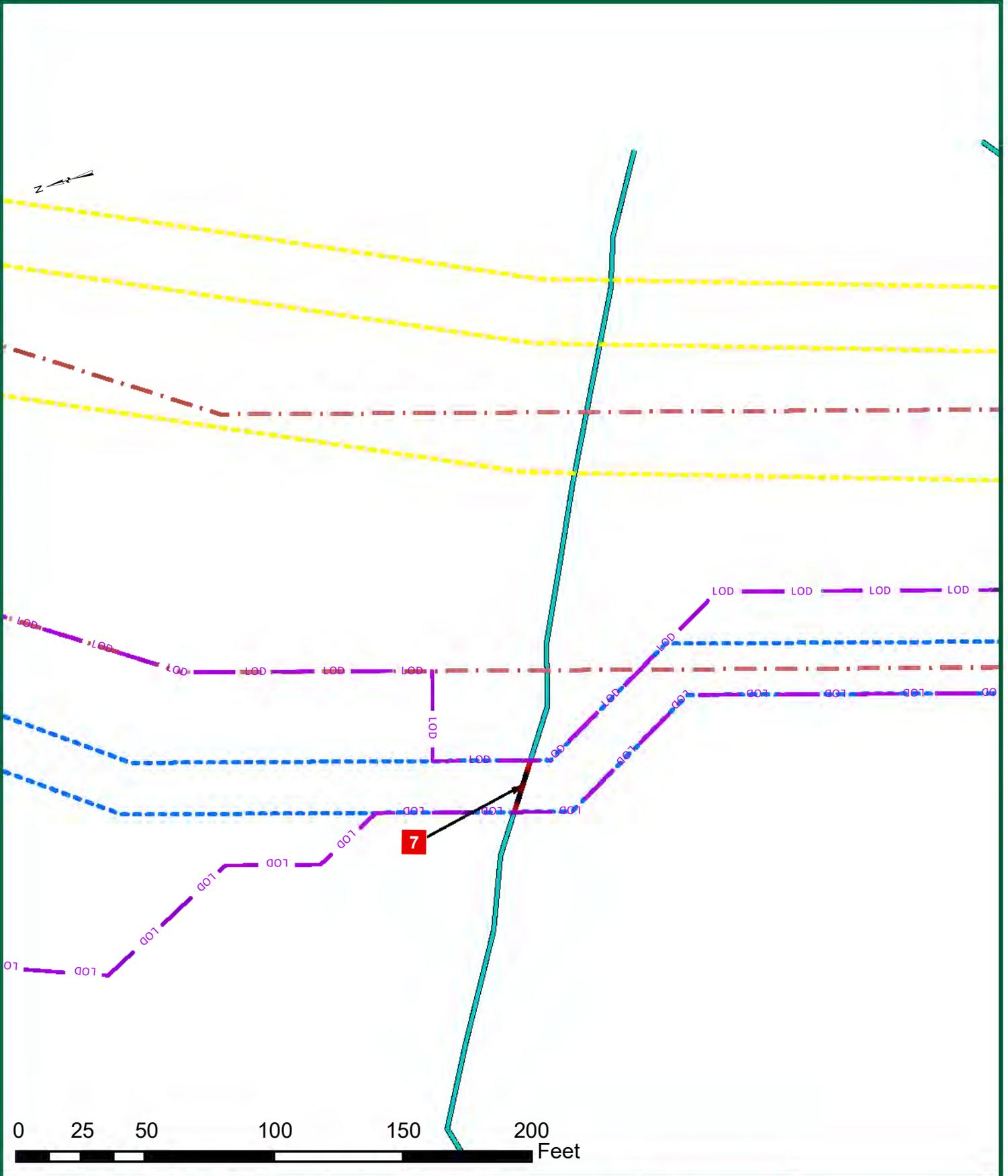
TIMMONS GROUP

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

THIS DRAWING PREPARED AT THE CORPORATE OFFICE

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

JAMES RIVER WATER SUPPLY PROJECT		LOUISA & FLUVANNA COUNTY, VIRGINIA		PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL	
JOB NUMBER 33927 SHEET NO. 3 OF 6	CHECKED BY E. WRIGHT	DESIGNED BY A. MEHFOLD	DRAWN BY A. MEHFOLD	DATE 03/06/2020	
				REVISION DESCRIPTION	



TIMMONS GROUP

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

THIS DRAWING PREPARED AT THE CORPORATE OFFICE

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

JAMES RIVER WATER SUPPLY PROJECT

PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL

LOUISA & FLUVANNA COUNTY, VIRGINIA

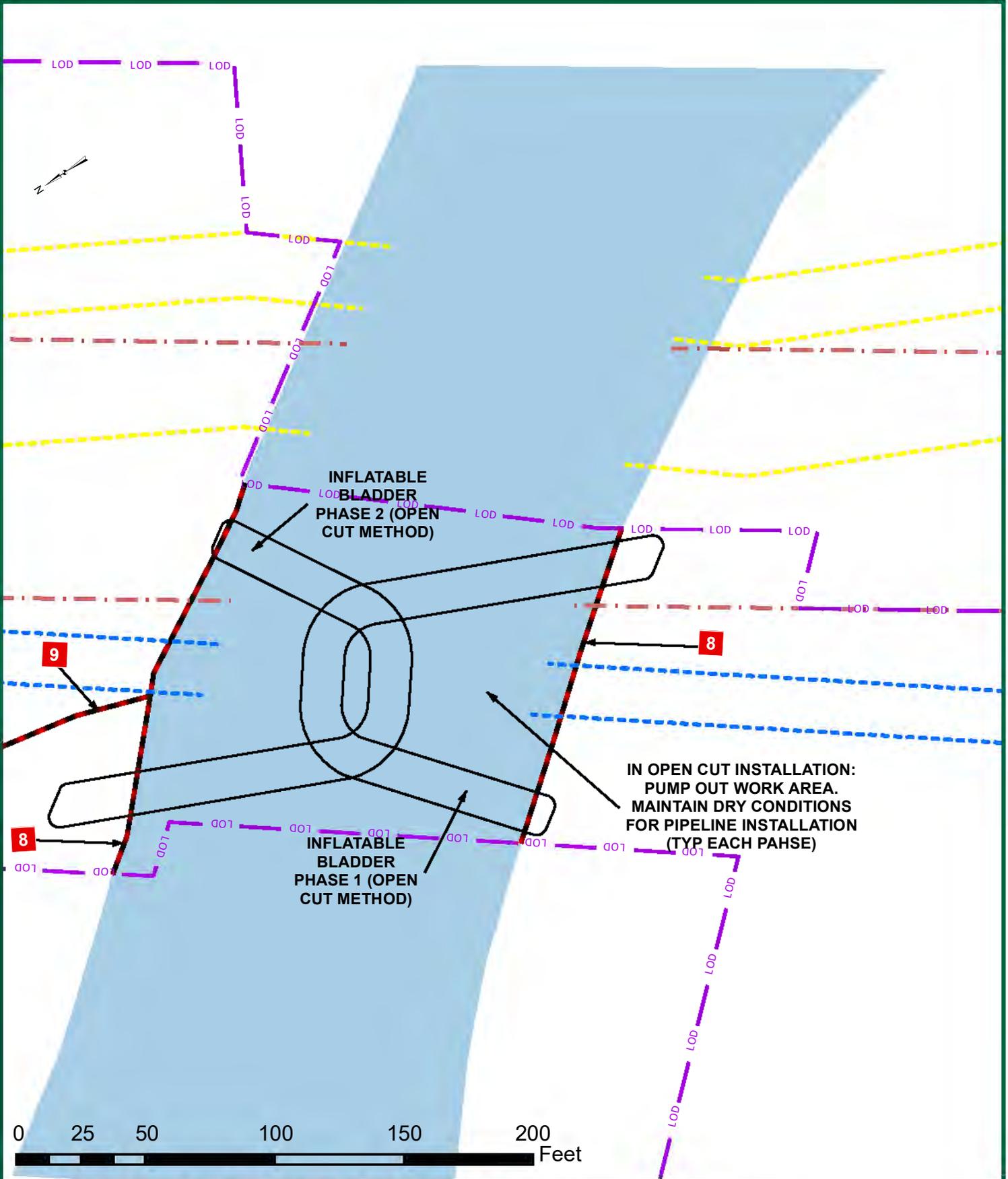
JOB NUMBER 33927	DESIGNED BY A. MEHFOLD	CHECKED BY E. WRIGHT	SCALE 1" = 50'	DATE 03/06/2020
SHEET NO. 4 OF 6	DRAWN BY A. MEHFOLD	REVISION DESCRIPTION		

YOUR VISION ACHIEVED THROUGH OURS

Site Development | Residential | Infrastructure | Technology | Environmental

DATE	REVISION DESCRIPTION

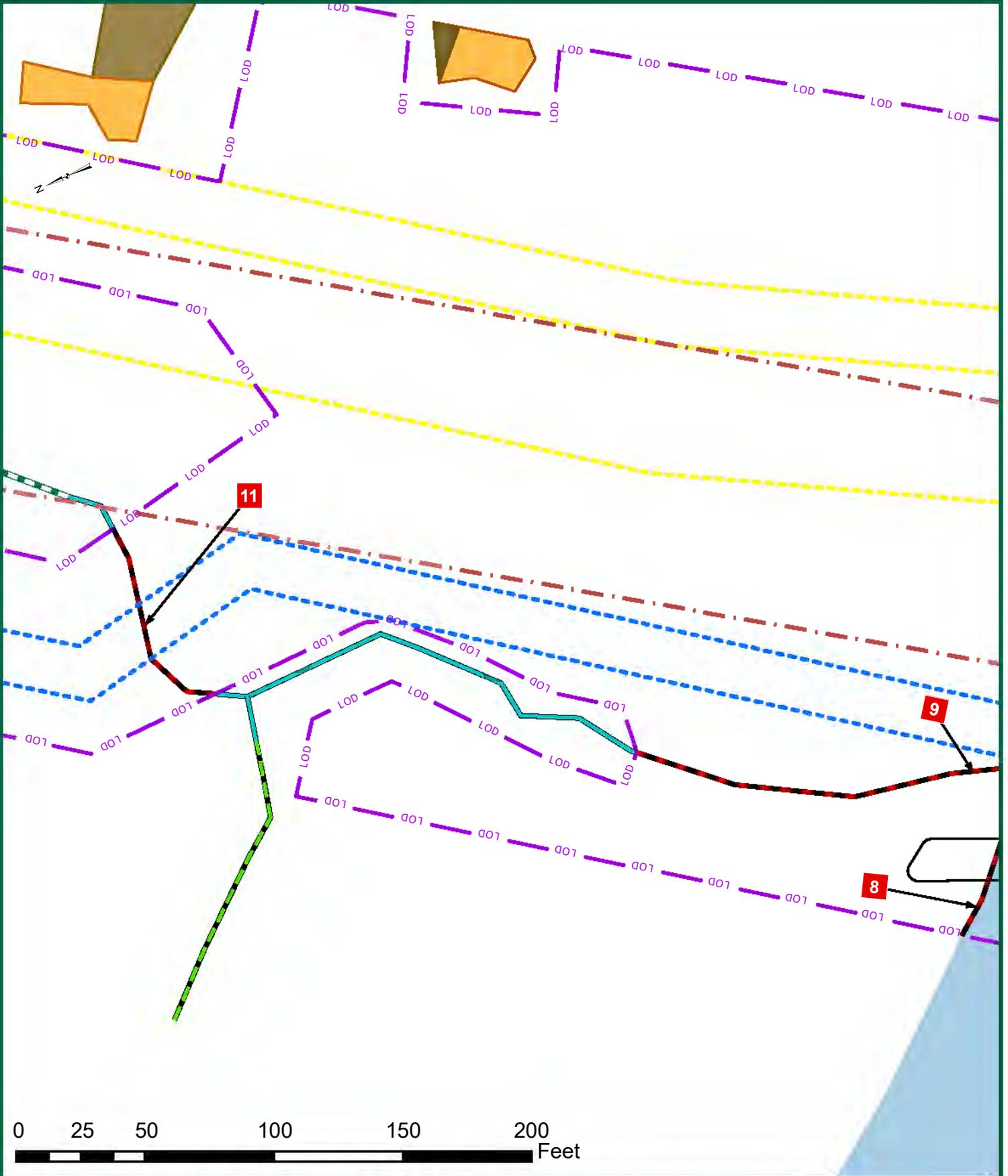
These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



**IN OPEN CUT INSTALLATION:
PUMP OUT WORK AREA.
MAINTAIN DRY CONDITIONS
FOR PIPELINE INSTALLATION
(TYP EACH PHASE)**

<h1>TIMMONS GROUP</h1>				THIS DRAWING PREPARED AT THE CORPORATE OFFICE 1001 Boulders Parkway, Suite 300 Richmond, VA 23225 TEL 804.200.6500 FAX 804.560.1648 www.timmons.com	
				Site Development Residential Infrastructure Technology Environmental	
JAMES RIVER WATER SUPPLY PROJECT LOUISA & FLUVANNA COUNTY, VIRGINIA				DATE: 03/06/2020	REVISION DESCRIPTION
SHEET NO. 5 OF 6	JOB NUMBER: 33927	CHECKED BY: E. WRIGHT SCALE: 1" = 50'	DESIGNED BY: A. MEHFOLD DRAWN BY: A. MEHFOLD	DATE: 03/06/2020	REVISION DESCRIPTION
PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL					

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.



TIMMONS GROUP

1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS

Site Development | Residential | Infrastructure | Technology | Environmental

THIS DRAWING PREPARED AT THE CORPORATE OFFICE
1001 Boulders Parkway, Suite 300 | Richmond, VA 23225
TEL 804.200.6500 FAX 804.560.1648 www.timmons.com

JOE NUMBER 33927 SHEET NO 6 OF 6	<h2 style="margin: 0;">JAMES RIVER WATER SUPPLY PROJECT</h2> <p style="margin: 0;">LOUISA & FLUVANNA COUNTY, VIRGINIA</p>	SCALE 1" = 50'	CHECKED BY E. WRIGHT DESIGNED BY A. MEHFOLD DRAWN BY A. MEHFOLD	DATE 03/06/2020	REVISION DESCRIPTION
PRELIMINARY JURISDICTIONAL WATERS OF THE U.S. IMPACTS MAP - DETAIL					

These plans and associated documents are the exclusive property of TIMMONS GROUP and may not be reproduced in whole or in part and shall not be used for any purpose whatsoever, inclusive, but not limited to construction, bidding, and/or construction staking without the express written consent of TIMMONS GROUP.