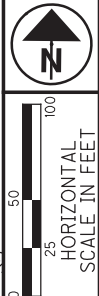
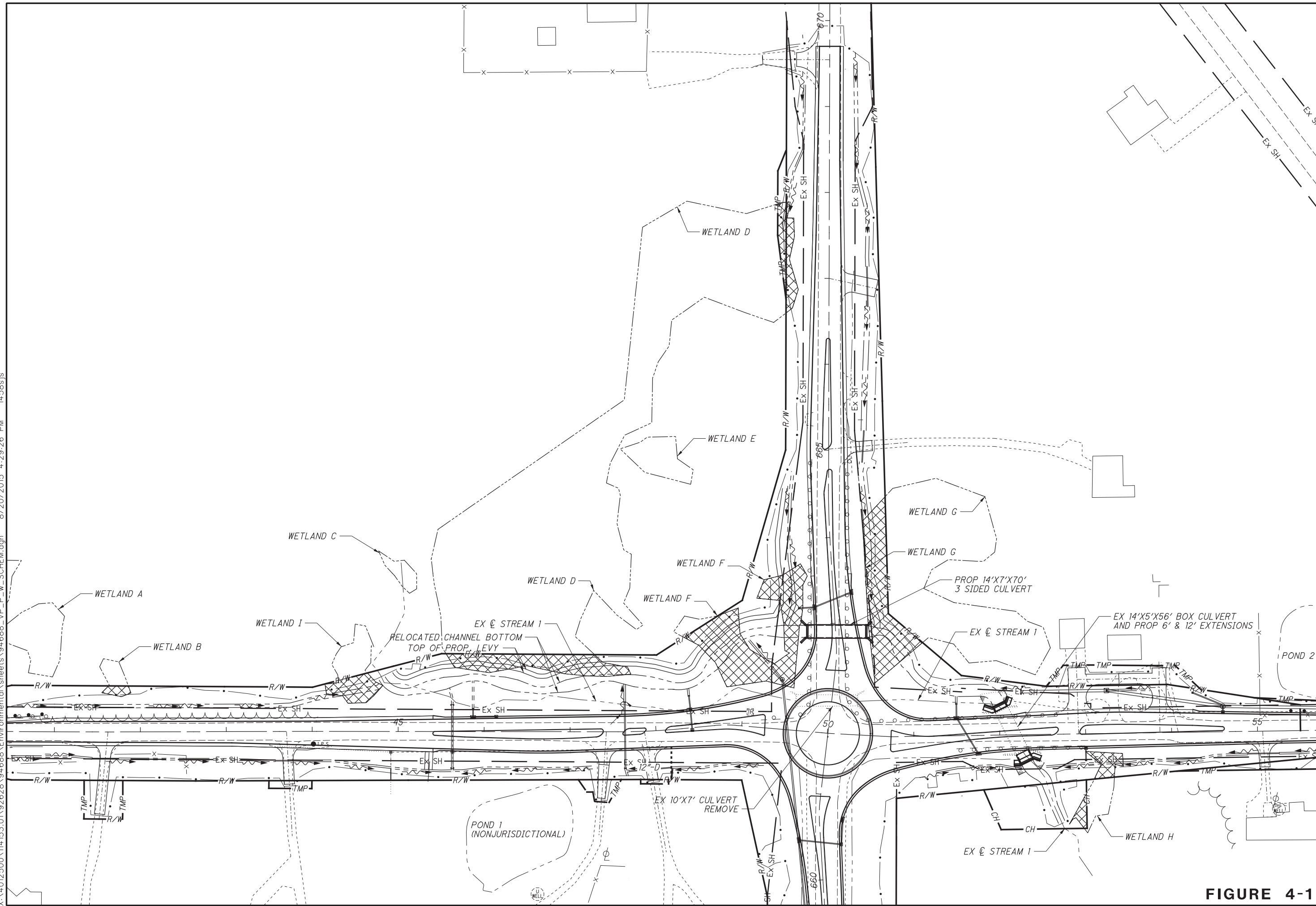


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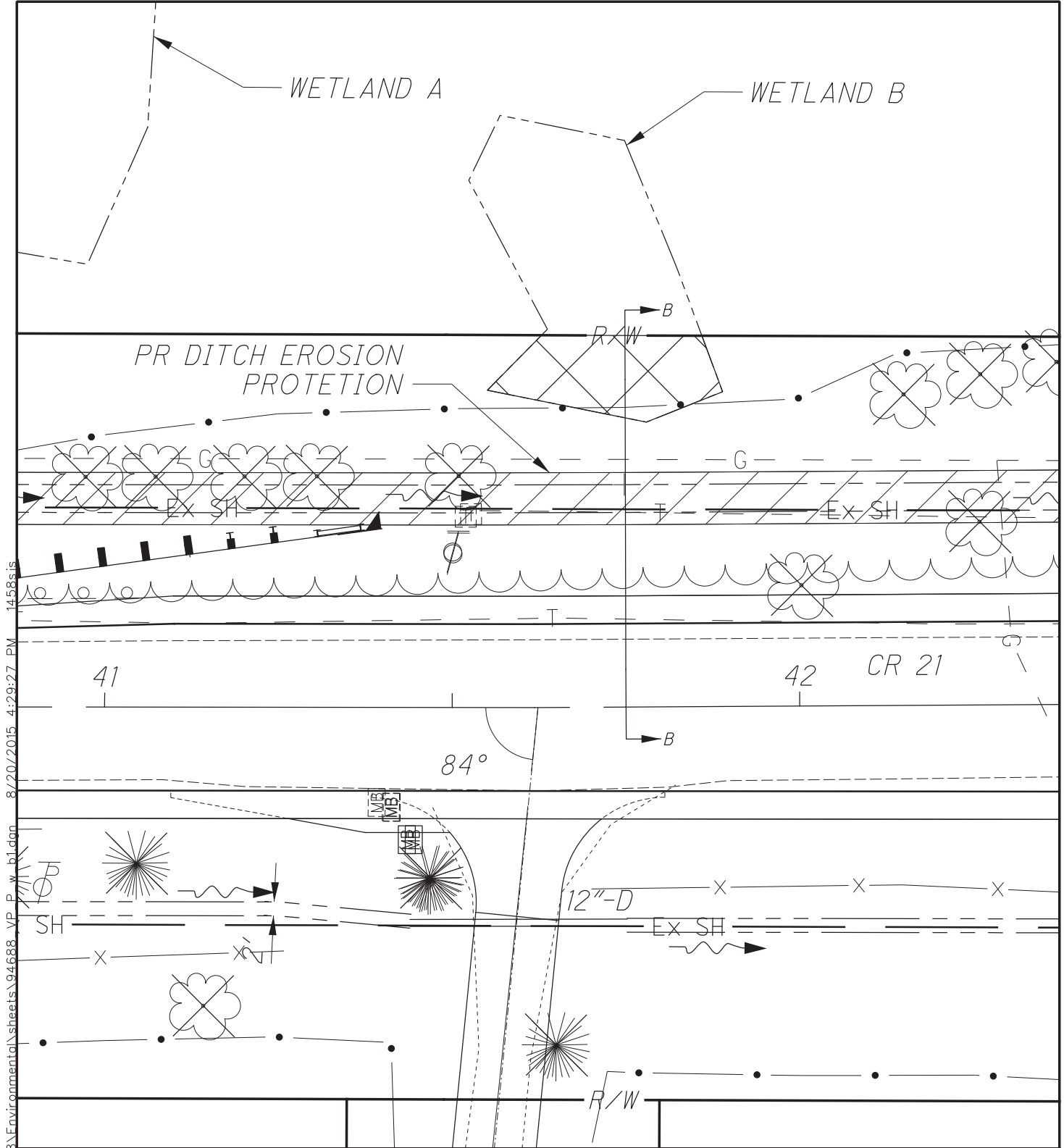
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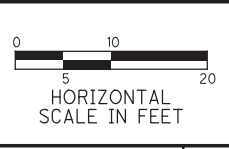
PREFERRED ALTERNATIVE SCHEMATIC

MED-94-11.91

FIGURE 4-1



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AREA OF IMPACT: 0.0070 ACRES
 FILL BELOW OHWM: 0.7 CY

LEGEND	
	WETLAND
	STREAM
	AREA OF IMPACT

**PLAN -
WETLAND B**

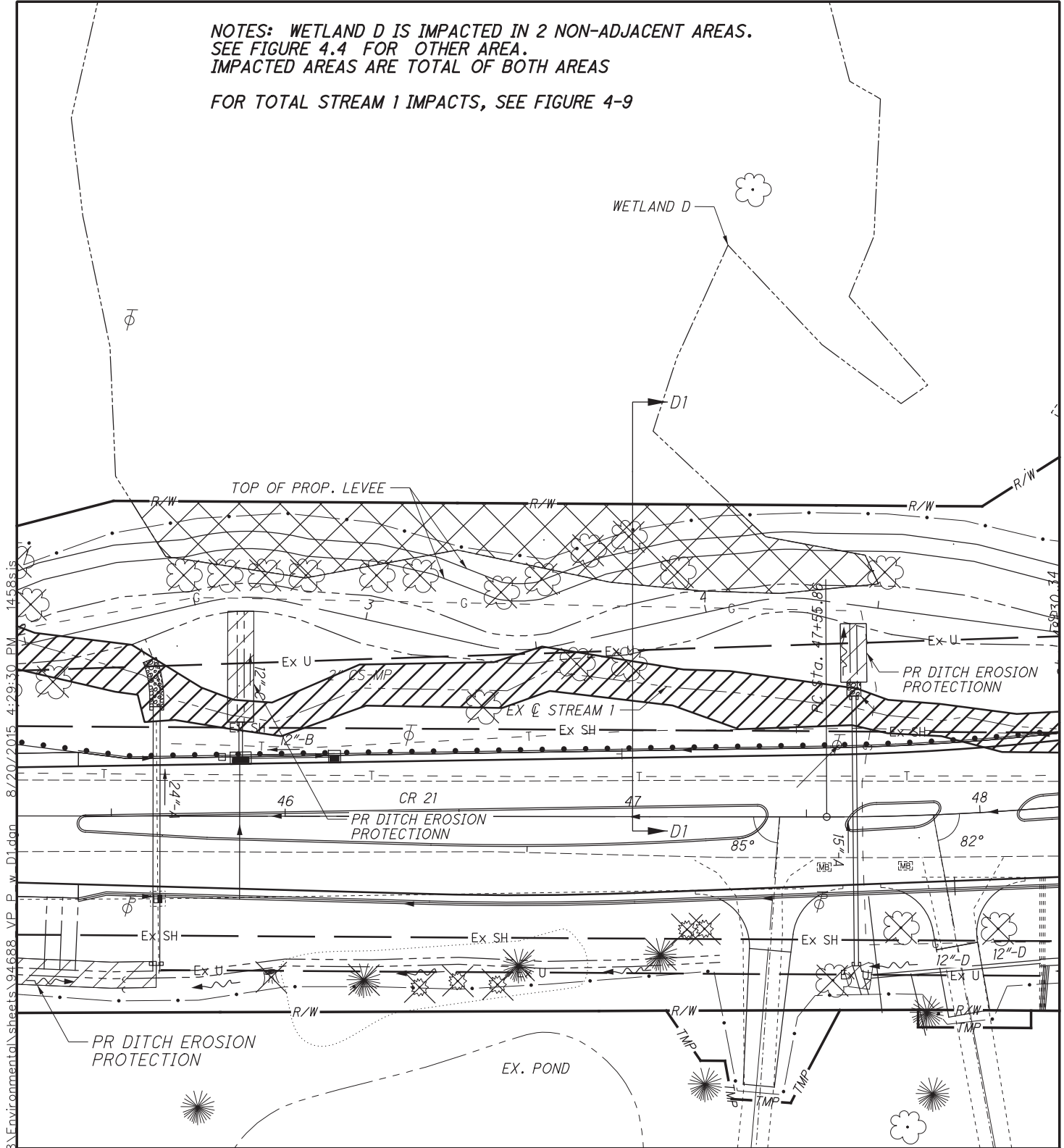


**PREFERRED ALTERNATIVE
IMPACTS AT
WETLAND B**
 OHIO DEPARTMENT OF TRANSPORTATION
 MED-94-11.91
 MEDINA COUNTY, OHIO



U.S. ARMY CORPS OF ENGINEERS
 SECTION 404 PERMIT &
 OEPA SECTION 401 WATER QUALITY
 CERTIFICATION APPLICATION
 DATE: 08/20/15
FIGURE 4-2

NOTES: WETLAND D IS IMPACTED IN 2 NON-ADJACENT AREAS.
 SEE FIGURE 4.4 FOR OTHER AREA.
 IMPACTED AREAS ARE TOTAL OF BOTH AREAS
 FOR TOTAL STREAM 1 IMPACTS, SEE FIGURE 4-9



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AREA OF IMPACT: 0.1278 ACRES
 FILL BELOW OHWM: 139.4 CY

LEGEND	
	WETLAND
	STREAM
	STREAM AREA OF IMPACT
	WETLAND AREA OF IMPACT

**PLAN -
 WETLAND D**



**PREFERRED ALTERNATIVE
 IMPACTS AT
 WETLAND D**
 OHIO DEPARTMENT OF TRANSPORTATION
 MED-94-11.91
 MEDINA COUNTY, OHIO

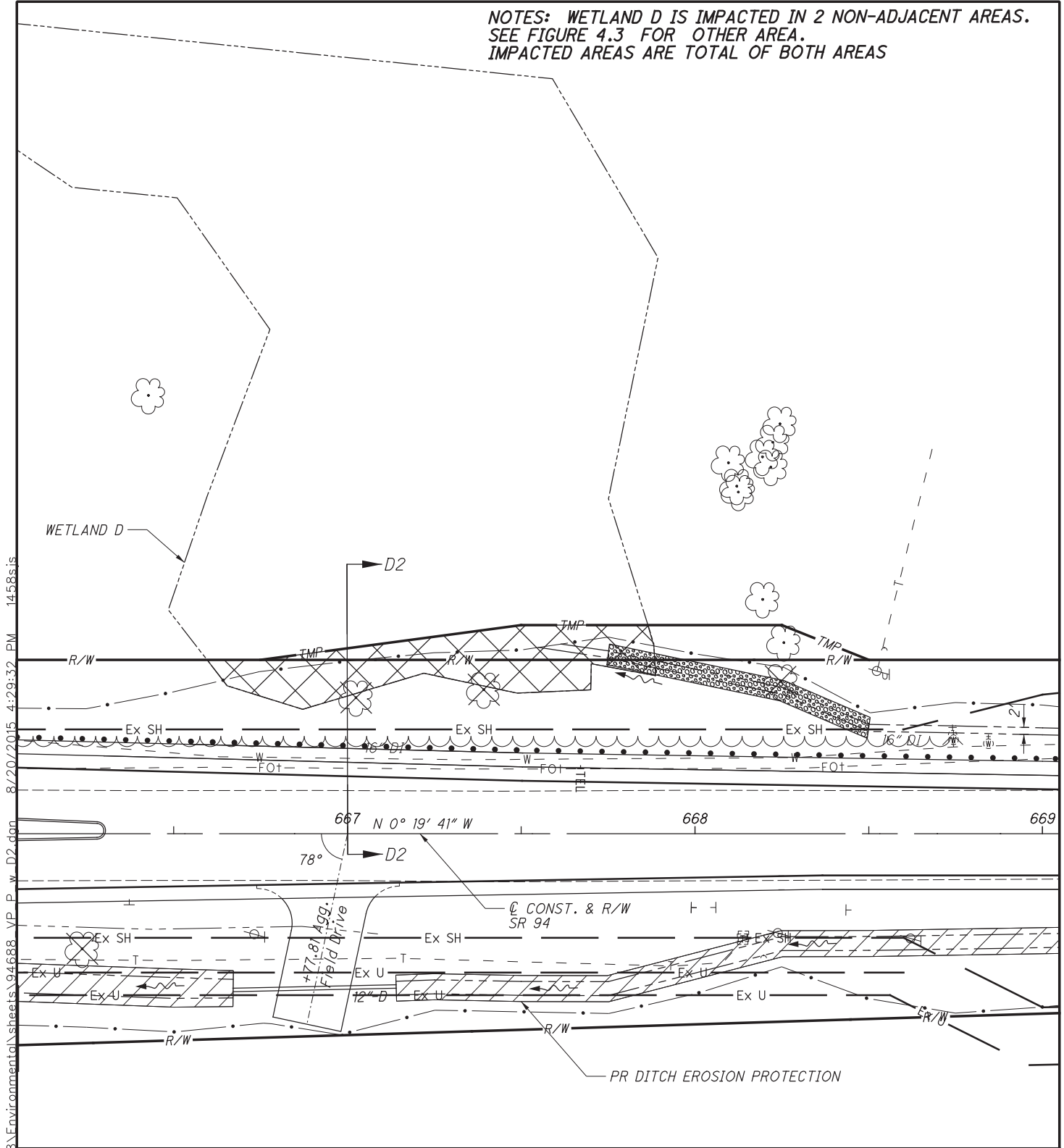


U.S. ARMY CORPS OF ENGINEERS
 SECTION 404 PERMIT &
 OEPA SECTION 401 WATER QUALITY
 CERTIFICATION APPLICATION

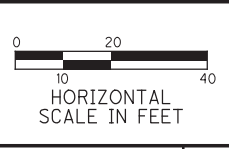
DATE: 08/20/15

FIGURE 4-3

NOTES: WETLAND D IS IMPACTED IN 2 NON-ADJACENT AREAS.
SEE FIGURE 4.3 FOR OTHER AREA.
IMPACTED AREAS ARE TOTAL OF BOTH AREAS



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AREA OF IMPACT: 0.1278 ACRES
FILL BELOW OHWM: 139.4 CY

LEGEND	
	WETLAND
	STREAM
	AREA OF IMPACT

PLAN - WETLAND D



**PREFERRED ALTERNATIVE
IMPACTS AT
WETLAND D**

OHIO DEPARTMENT OF TRANSPORTATION
MED-94-11.91
MEDINA COUNTY, OHIO

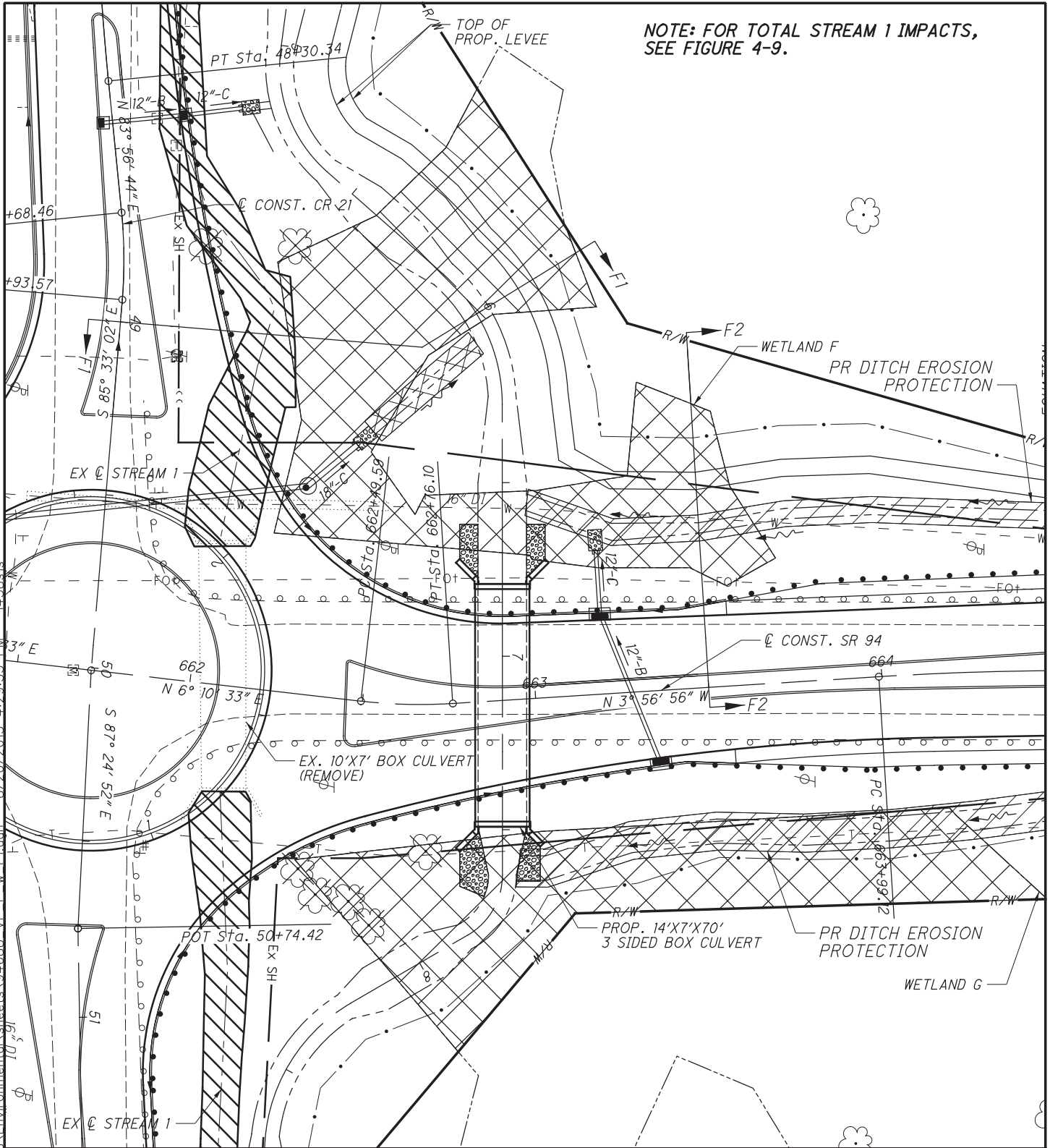


U.S. ARMY CORPS OF ENGINEERS
SECTION 404 PERMIT &
OEPA SECTION 401 WATER QUALITY
CERTIFICATION APPLICATION

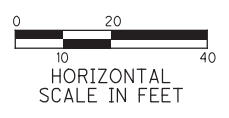
DATE: 08/20/15

FIGURE 4-4

NOTE: FOR TOTAL STREAM 1 IMPACTS, SEE FIGURE 4-9.



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AREA OF IMPACT: 0.1865 ACRES
 FILL BELOW OHWM: 272.1 CY

LEGEND	
	WETLAND
	STREAM
	STREAM AREA OF IMPACTS
	WETLAND AREA OF IMPACT

PLAN - WETLAND F

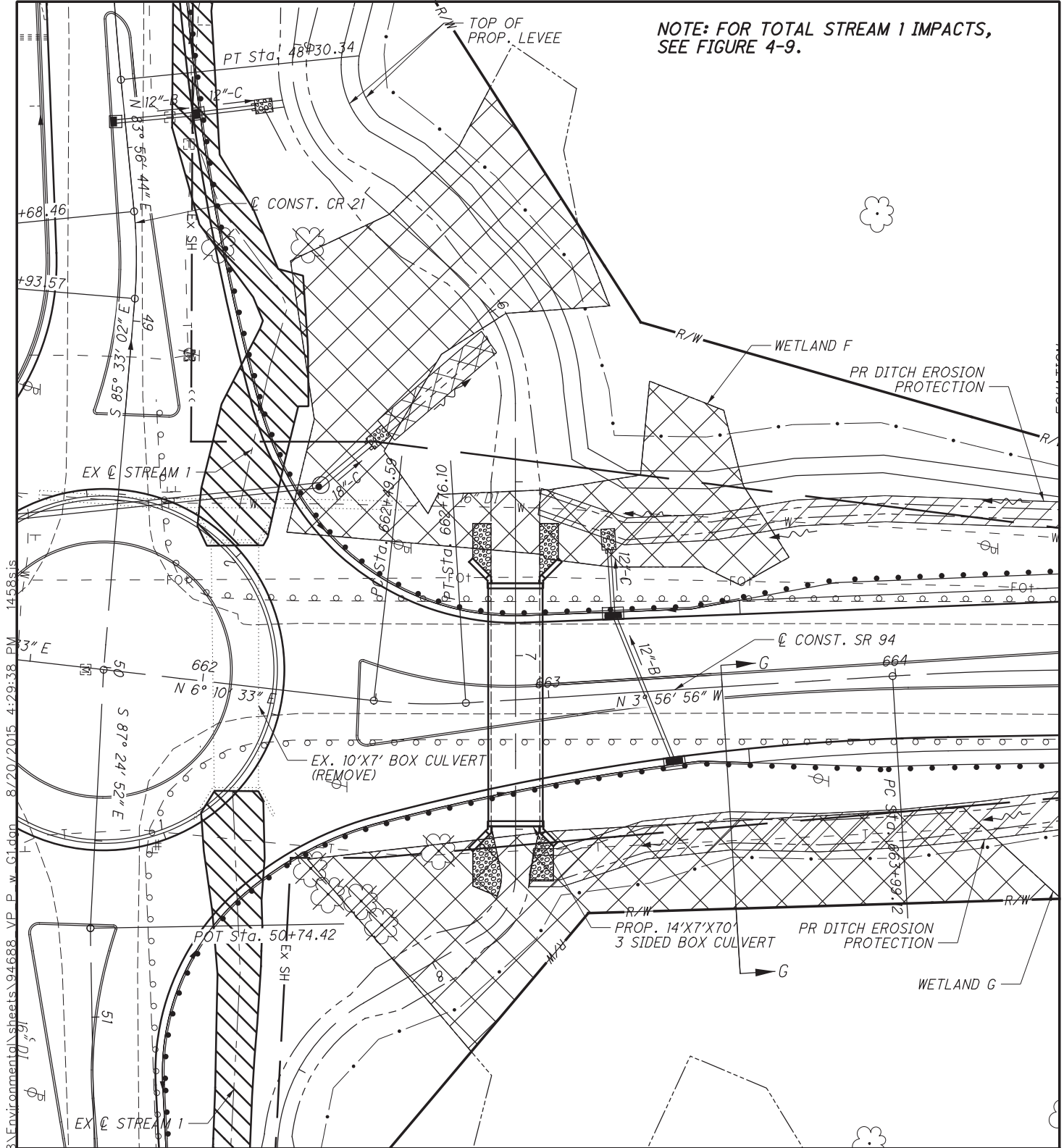


PREFERRED ALTERNATIVE IMPACTS AT WETLAND F
 OHIO DEPARTMENT OF TRANSPORTATION
 MED-94-11.91
 MEDINA COUNTY, OHIO

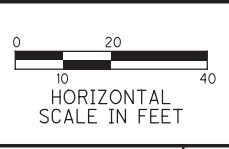


U.S. ARMY CORPS OF ENGINEERS
 SECTION 404 PERMIT &
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 CERTIFICATION APPLICATION
 DATE: 08/20/15
FIGURE 4-5

NOTE: FOR TOTAL STREAM 1 IMPACTS, SEE FIGURE 4-9.



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AREA OF IMPACT: 0.1371 ACRES
 FILL BELOW OHWM: 151.4 CY

LEGEND	
	WETLAND
	STREAM
	STREAM AREA OF IMPACT
	WETLAND AREA OF IMPACT

PLAN - WETLAND G

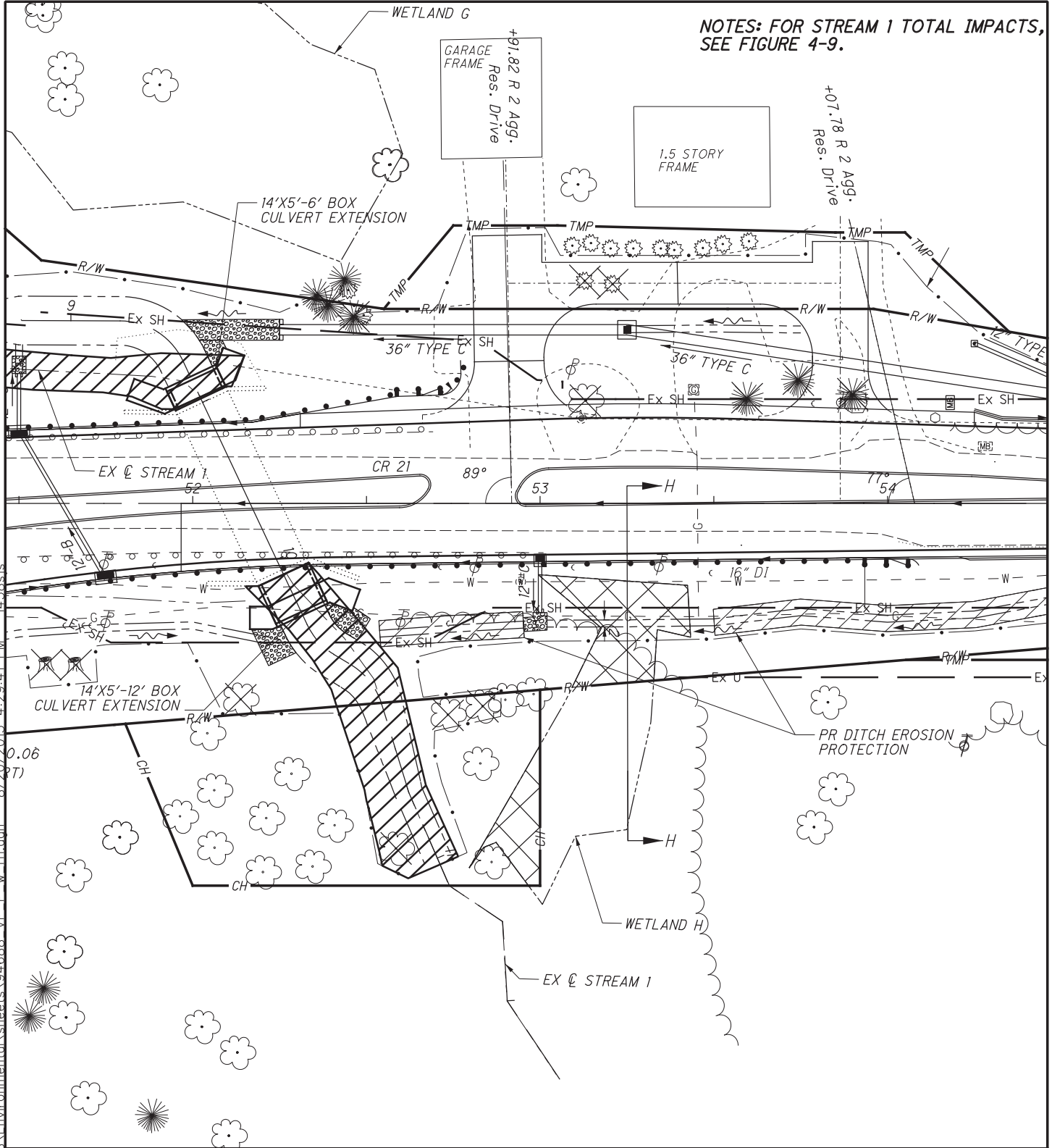


**PREFERRED ALTERNATIVE
 IMPACTS AT
 WETLAND G**
 OHIO DEPARTMENT OF TRANSPORTATION
 MED-94-11.91
 MEDINA COUNTY, OHIO

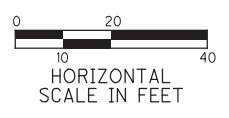


U.S. ARMY CORPS OF ENGINEERS
 SECTION 404 PERMIT &
 OEPA SECTION 401 WATER QUALITY
 CERTIFICATION APPLICATION
 DATE: 08/20/15
FIGURE 4-6

NOTES: FOR STREAM 1 TOTAL IMPACTS, SEE FIGURE 4-9.



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AREA OF IMPACT: 0.0257 ACRES
 FILL BELOW OHWM: 19.9 CY

LEGEND	
	WETLAND
	STREAM
	STREAM AREA OF IMPACTS
	WETLAND AREA OF IMPACT

PLAN - WETLAND H

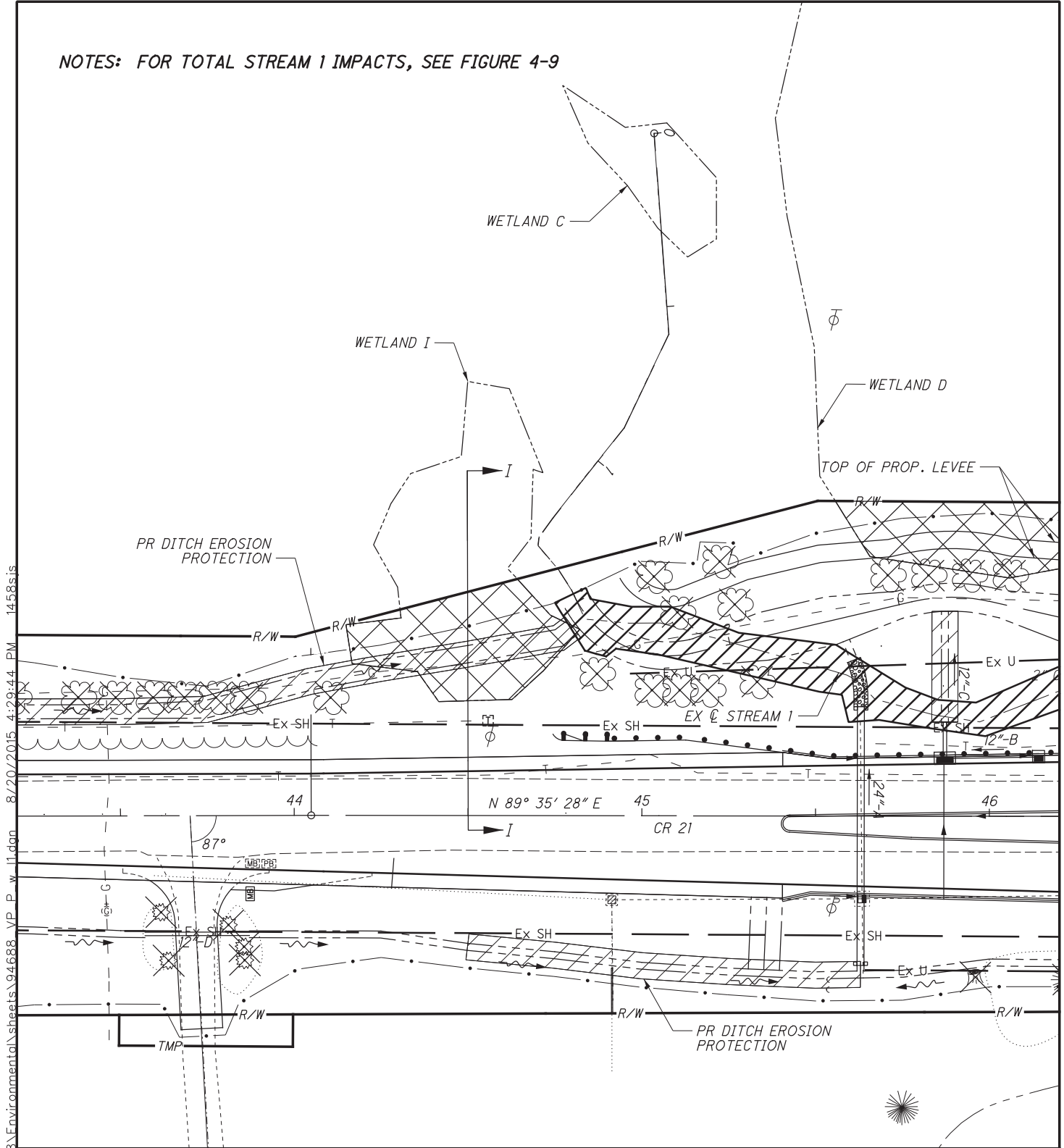


PREFERRED ALTERNATIVE IMPACTS AT WETLAND H
 OHIO DEPARTMENT OF TRANSPORTATION
 MED-94-11.91
 MEDINA COUNTY, OHIO



U.S. ARMY CORPS OF ENGINEERS
 SECTION 404 PERMIT &
 OEPA SECTION 401 WATER QUALITY
 CERTIFICATION APPLICATION
 DATE: 08/20/15
FIGURE 4-7

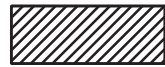
NOTES: FOR TOTAL STREAM 1 IMPACTS, SEE FIGURE 4-9



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<p>HORIZONTAL SCALE IN FEET</p>	<p>AREA OF IMPACT: 0.0330 ACRES</p> <p>FILL BELOW OHWM: 36.0 CY</p>	<p>LEGEND</p> <ul style="list-style-type: none"> WETLAND STREAM STREAM AREA OF IMPACT WETLAND AREA OF IMPACT 	<h2 style="margin: 0;">PLAN - WETLAND I</h2>
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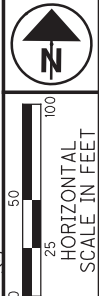
	<p>PREFERRED ALTERNATIVE IMPACTS AT WETLAND I</p> <p>OHIO DEPARTMENT OF TRANSPORTATION MED-94-11.91 MEDINA COUNTY, OHIO</p>		<p>U.S. ARMY CORPS OF ENGINEERS SECTION 404 PERMIT & OEPA SECTION 401 WATER QUALITY CERTIFICATION APPLICATION</p> <p>DATE: 08/20/15</p> <p style="font-size: 1.2em; font-weight: bold;">FIGURE 4-8</p>
--	--	--	--



STREAM AREA OF IMPACTS

NOTE: STREAM 1 IMPACTS ARE A TOTAL OF 845 LIN. FEET, 0.2629 ACRES AND 398.3 CY. SEE ALSO FIGURES 4-3, 4-5, 4-6, 4-7, 4-8, AND 4-10.

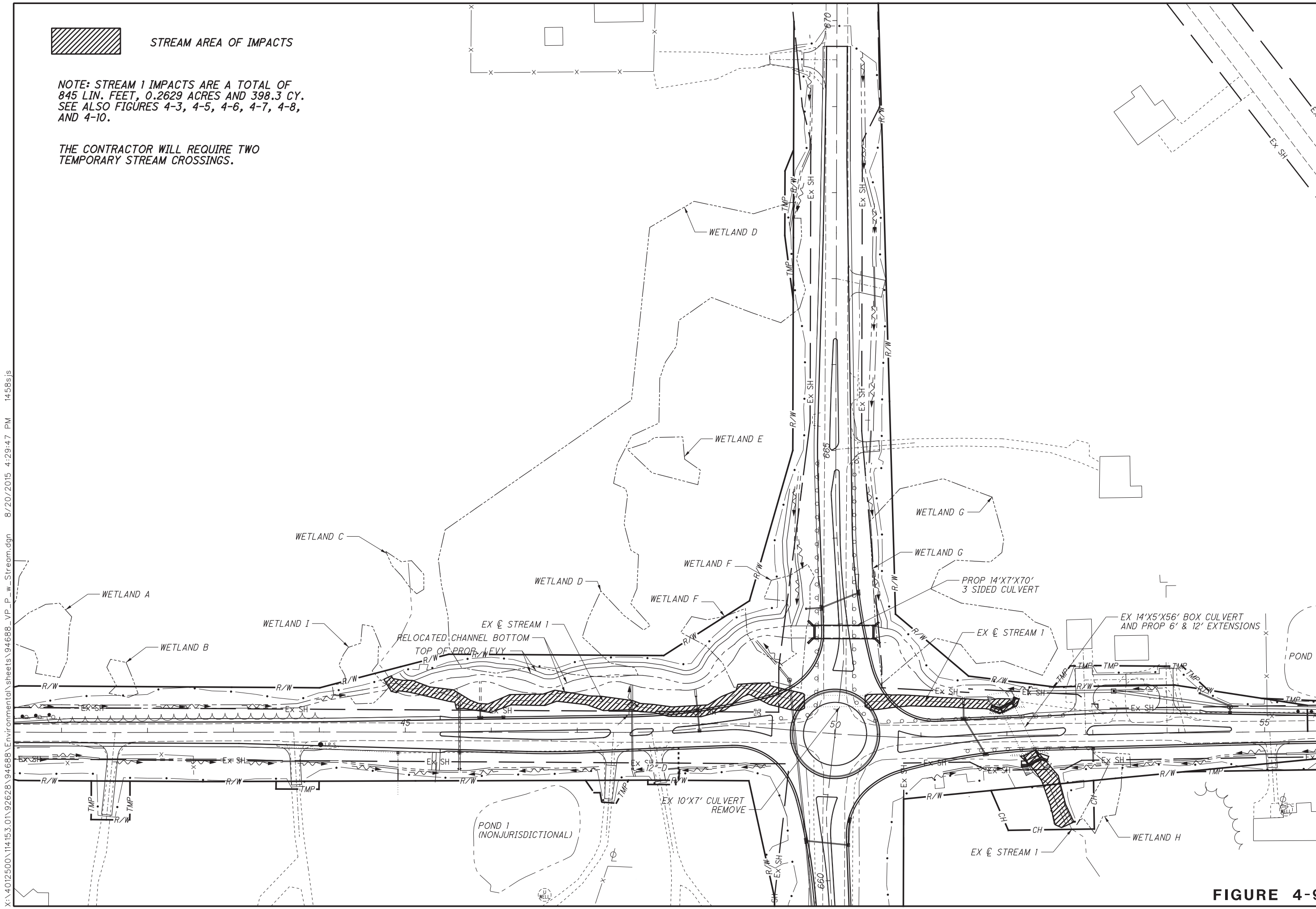
THE CONTRACTOR WILL REQUIRE TWO TEMPORARY STREAM CROSSINGS.



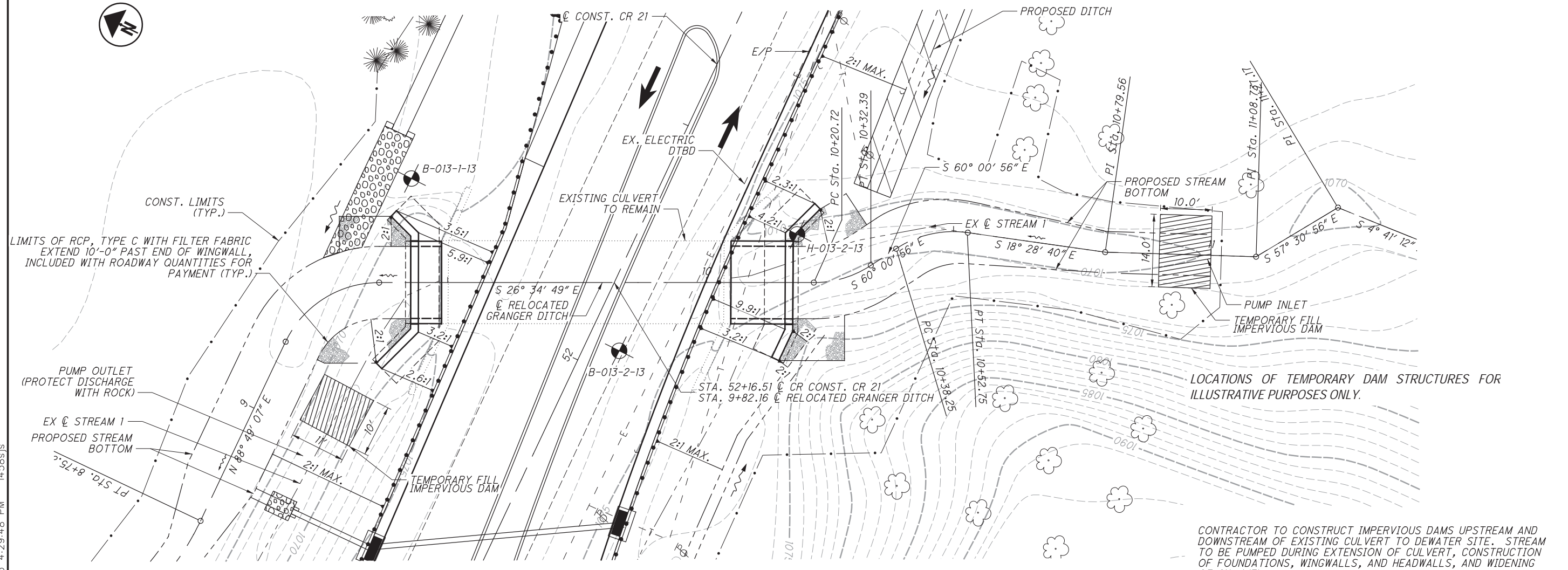
PREFERRED ALTERNATIVE
STREAM 1 IMPACTS

MED-94-11.91

FIGURE 4-9



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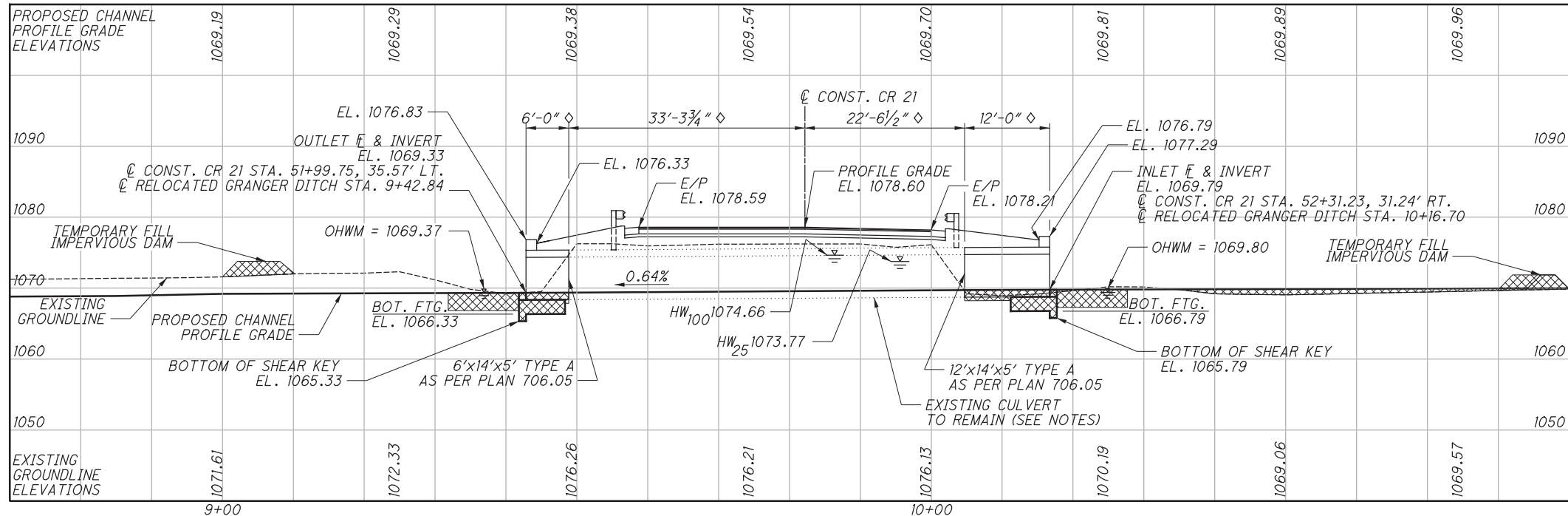


PLAN

LOCATIONS OF TEMPORARY DAM STRUCTURES FOR ILLUSTRATIVE PURPOSES ONLY.

CONTRACTOR TO CONSTRUCT IMPERVIOUS DAMS UPSTREAM AND DOWNSTREAM OF EXISTING CULVERT TO DEWATER SITE. STREAM TO BE PUMPED DURING EXTENSION OF CULVERT, CONSTRUCTION OF FOUNDATIONS, WINGWALLS, AND HEADWALLS, AND WIDENING OF CHANNEL.

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PROFILE ALONG C RELOCATED GRANGER DITCH

EXISTING STRUCTURE	
TYPE:	14'x5' PREFABRICATED REINFORCED CONCRETE BOX CULVERT WITH CAST-IN-PLACE REINFORCED CONCRETE WINGWALLS
DISPOSITION:	TO BE LENGTHENED
PROPOSED STRUCTURE	
	14'x5' PREFABRICATED REINFORCED CONCRETE BOX CULVERT EXTENSION WITH CAST-IN-PLACE REINFORCED CONCRETE WINGWALLS
COORDINATES:	LATITUDE 41°09'20" N LONGITUDE 81°44'06" W

FIGURE 4-10

FOR TOTAL IMPACTS TO STREAM 1, SEE FIGURE 4-9

DESIGN AGENCY: Mead & Hunt
 4700 LAKEHURST CT., STE 110
 DUBLIN, OH 43016
 (614) 792-5900 PHONE
 (614) 792-5901 FAX

DATE: 02/20/14
 REVIEWED: ISMB
 DRAWN: CMH
 DESIGNED: CMH
 CHECKED: KVB/RLC

STRUCTURE FILE NUMBER: 5246407
 REVISED:

MEDINA COUNTY
 STA. 52+16.51

SITE PLAN
 BRIDGE NO. MED-CR21-0529
 GRANGER ROAD OVER RELOCATED GRANGER DITCH

MED-094-11.91
 PID No. 94688

1 / 8
 103
 110