

PROJECT REFERENCE NO.	SHEET NO.
17BP.2.R.67	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

W2
 PERMANENT WETLAND IMPACTS = 0.0 Ac / 0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac / 0 SF
 PERMANENT STREAM IMPACTS = 0 LF
 TEMPORARY STREAM IMPACTS = 0 LF

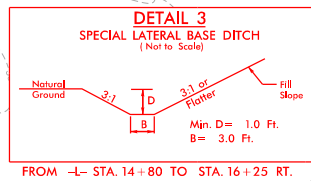
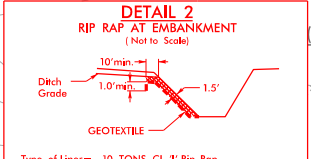
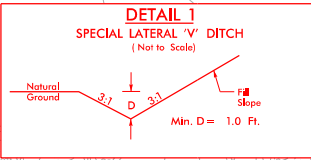
-DRV2-
 PI Sta 10+45.67
 $\Delta = 43' 16" 51.2" (RT)$
 $D = 114' 35" 29.6"$
 $L = 37.77'$
 $T = 19.84'$
 $R = 50.00'$

W1
 PERMANENT WETLAND IMPACTS = 0.0 Ac / 0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac / 0 SF
 PERMANENT STREAM IMPACTS = 0 LF
 TEMPORARY STREAM IMPACTS = 0 LF

$L = 138.40'$
 $T = 69.20'$
 $R = 11,459.16'$

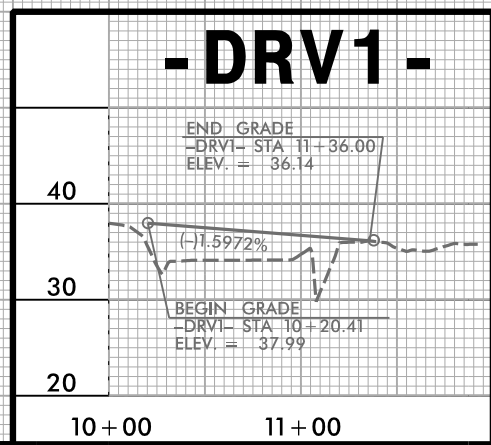
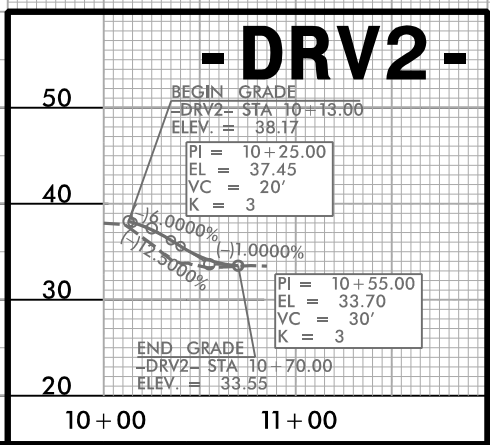
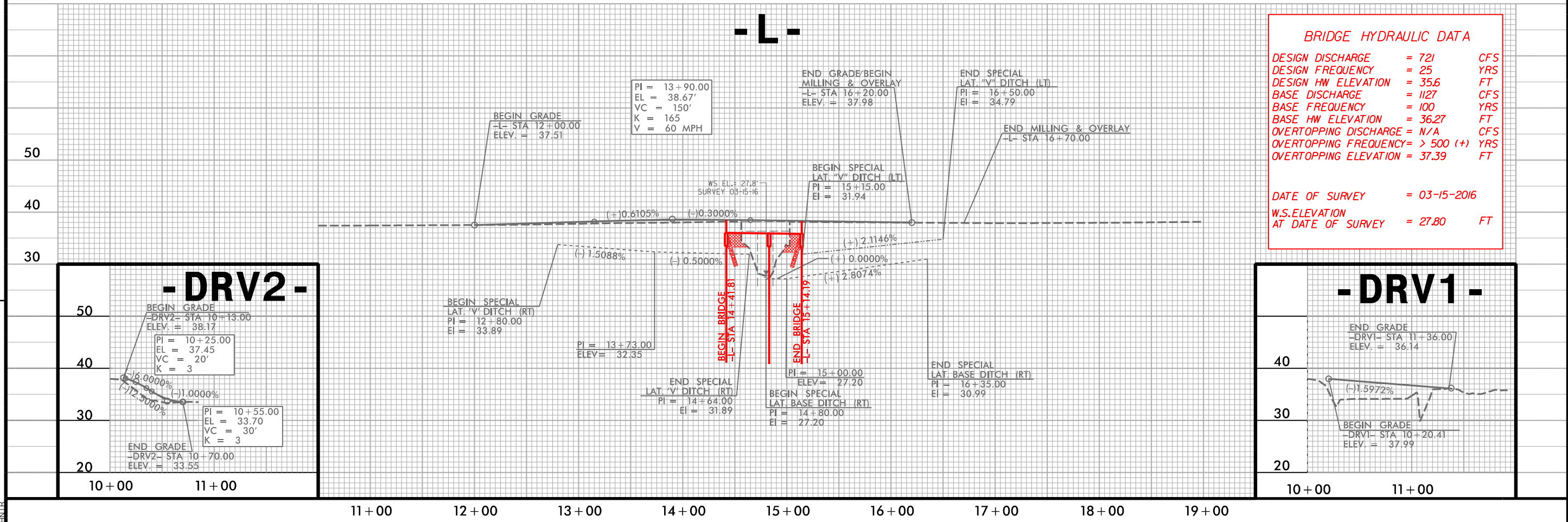
W3
 PERMANENT WETLAND IMPACTS = 0.0 Ac / 0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac / 0 SF
 PERMANENT STREAM IMPACTS = 11 LF
 TEMPORARY STREAM IMPACTS = 0 LF

W4
 PERMANENT WETLAND IMPACTS = 0.0 Ac / 0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac / 0 SF
 PERMANENT STREAM IMPACTS = 163 LF
 TEMPORARY STREAM IMPACTS = 0 LF



MATERIAL TO BE REMOVED

WETLAND & STREAM IMPACTS



REVISIONS

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W2
 PERMANENT WETLAND IMPACTS = 0.0 Ac/0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac/0 SF
 PERMANENT STREAM IMPACTS = 0 LF
 TEMPORARY STREAM IMPACTS = 0 LF

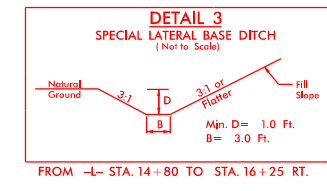
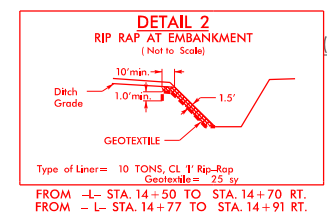
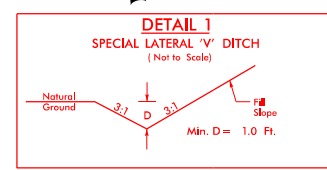
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 PI Sta 10+45.67
 $\Delta = 43' 16" 51.2" (RT)$
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 $L = 37.77'$
 $T = 19.84'$
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W1
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 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac/0 SF
 PERMANENT STREAM IMPACTS = 0 LF
 TEMPORARY STREAM IMPACTS = 0 LF

$L = 138.40'$
 $T = 69.20'$
 $R = 11,459.16'$

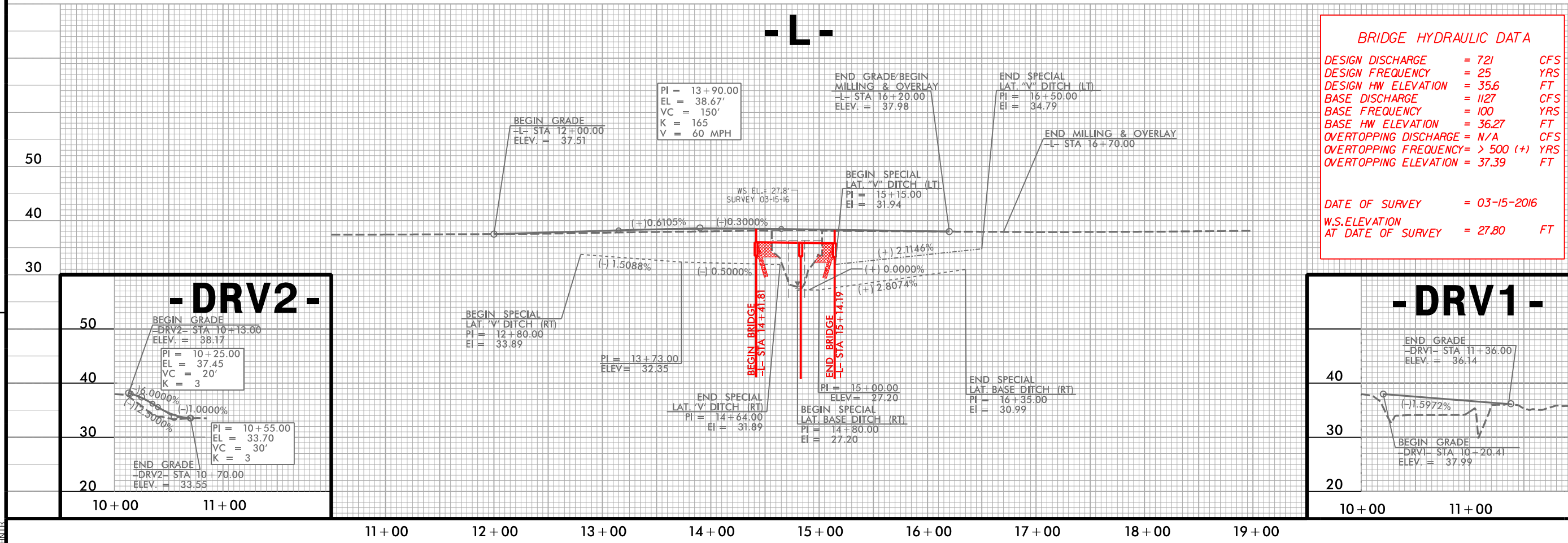
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 PERMANENT WETLAND IMPACTS = 0.0 Ac/0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac/0 SF
 PERMANENT STREAM IMPACTS = 11 LF
 TEMPORARY STREAM IMPACTS = 0 LF

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 PERMANENT WETLAND IMPACTS = 0.0 Ac/0 SF
 MECHANIZED CLEARING IN WETLANDS = 0.0 Ac/0 SF
 PERMANENT STREAM IMPACTS = 163 LF
 TEMPORARY STREAM IMPACTS = 0 LF



MATERIAL TO BE REMOVED

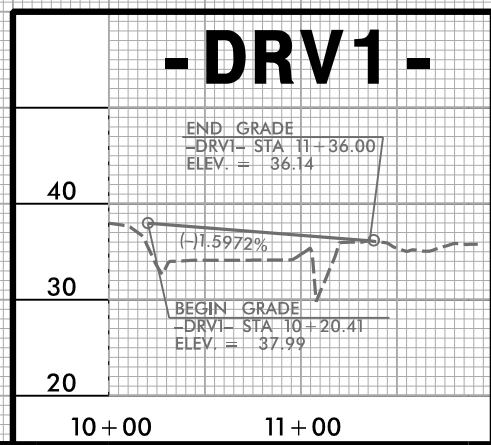
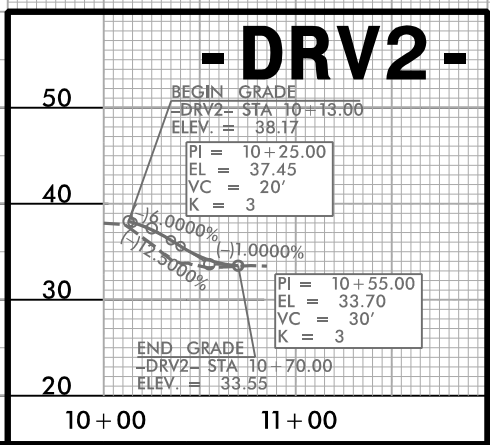
WETLAND & STREAM IMPACTS



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 721	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 35.6	FT
BASE DISCHARGE	= 1127	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 36.27	FT
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING FREQUENCY	= > 500 (+)	YRS
OVERTOPPING ELEVATION	= 37.39	FT

DATE OF SURVEY = 03-15-2016
 W.S. ELEVATION AT DATE OF SURVEY = 27.80 FT

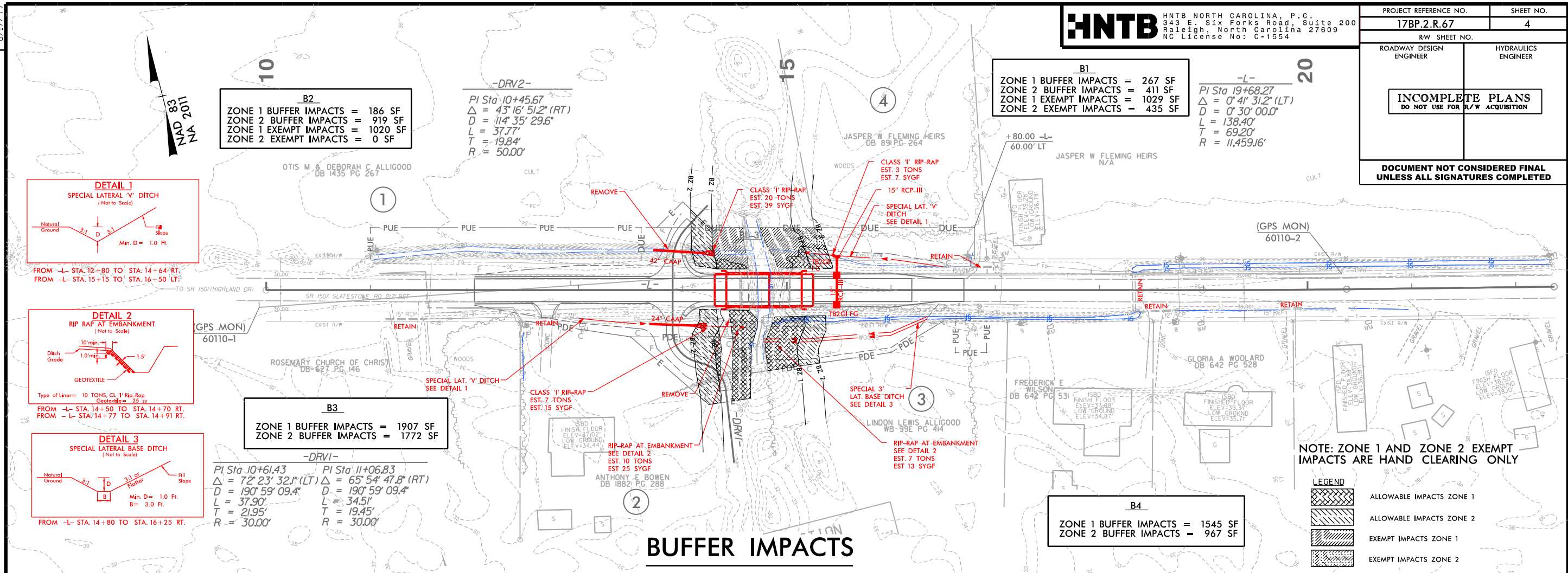


REVISIONS

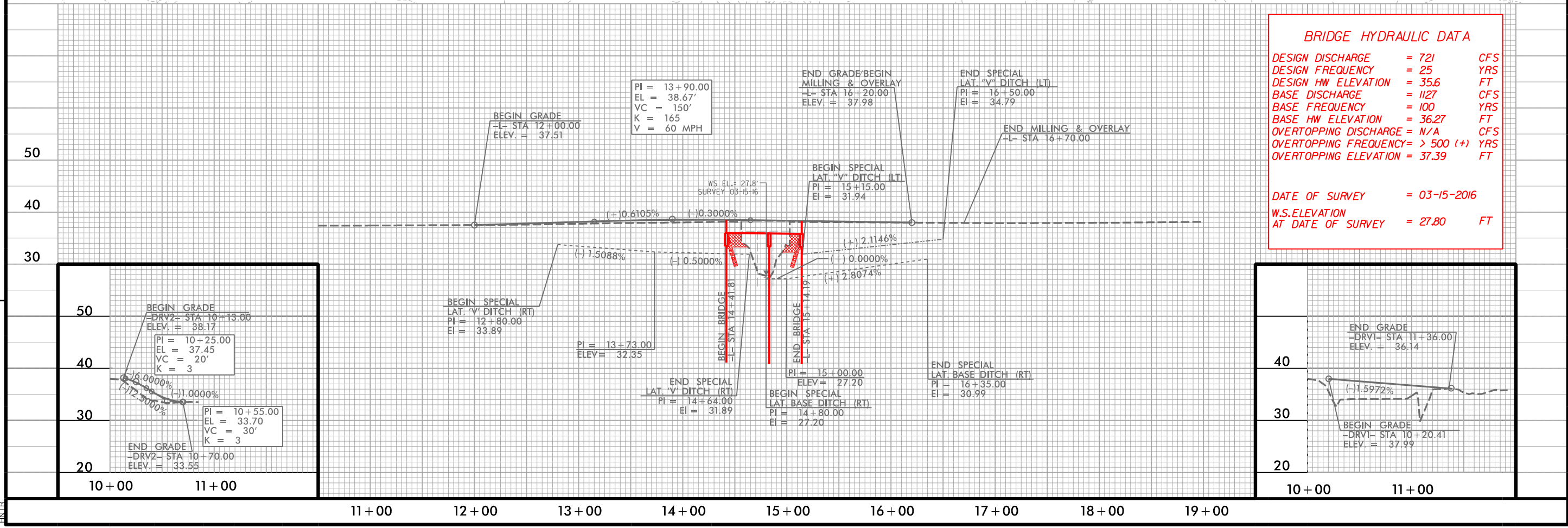
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PROJECT REFERENCE NO. 17BP.2.R.67	SHEET NO. 4
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BUFFER IMPACTS



REVISIONS

9:27:00 PM
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 HNTB

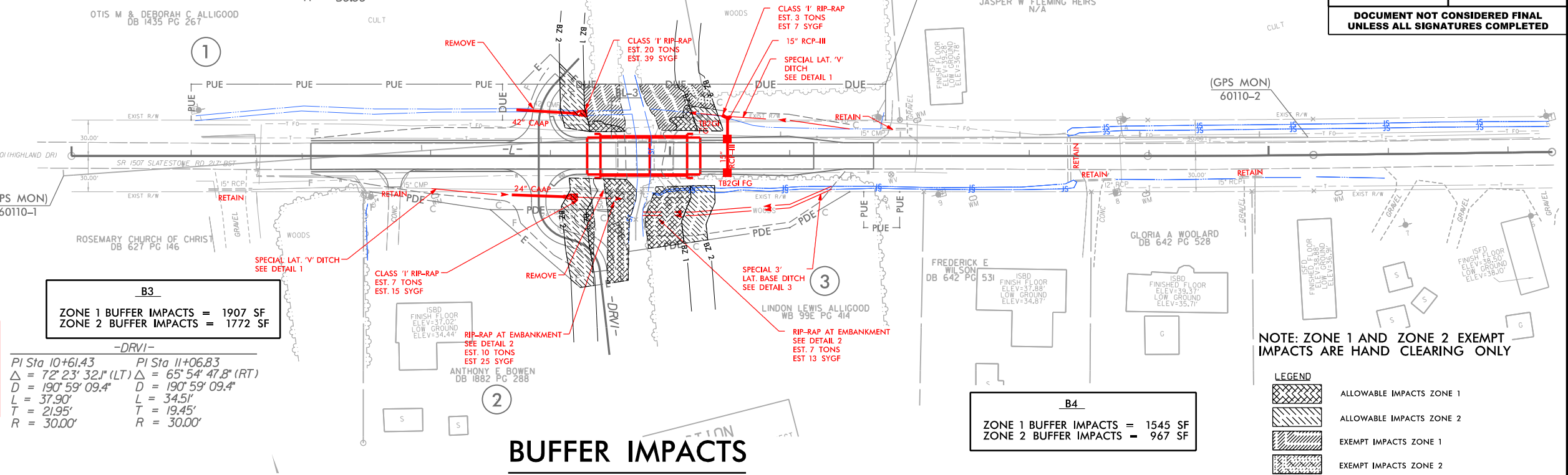
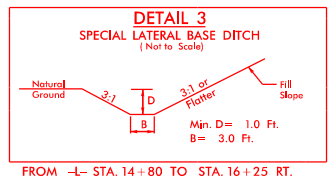
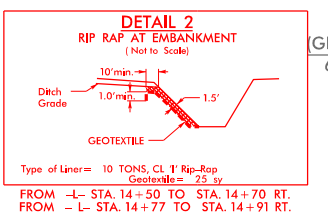
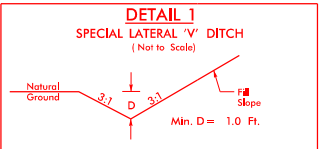
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B1
 ZONE 1 BUFFER IMPACTS = 267 SF
 ZONE 2 BUFFER IMPACTS = 411 SF
 ZONE 1 EXEMPT IMPACTS = 1029 SF
 ZONE 2 EXEMPT IMPACTS = 435 SF

B2
 ZONE 1 BUFFER IMPACTS = 186 SF
 ZONE 2 BUFFER IMPACTS = 919 SF
 ZONE 1 EXEMPT IMPACTS = 1020 SF
 ZONE 2 EXEMPT IMPACTS = 0 SF

B3
 ZONE 1 BUFFER IMPACTS = 1907 SF
 ZONE 2 BUFFER IMPACTS = 1772 SF

B4
 ZONE 1 BUFFER IMPACTS = 1545 SF
 ZONE 2 BUFFER IMPACTS = 967 SF

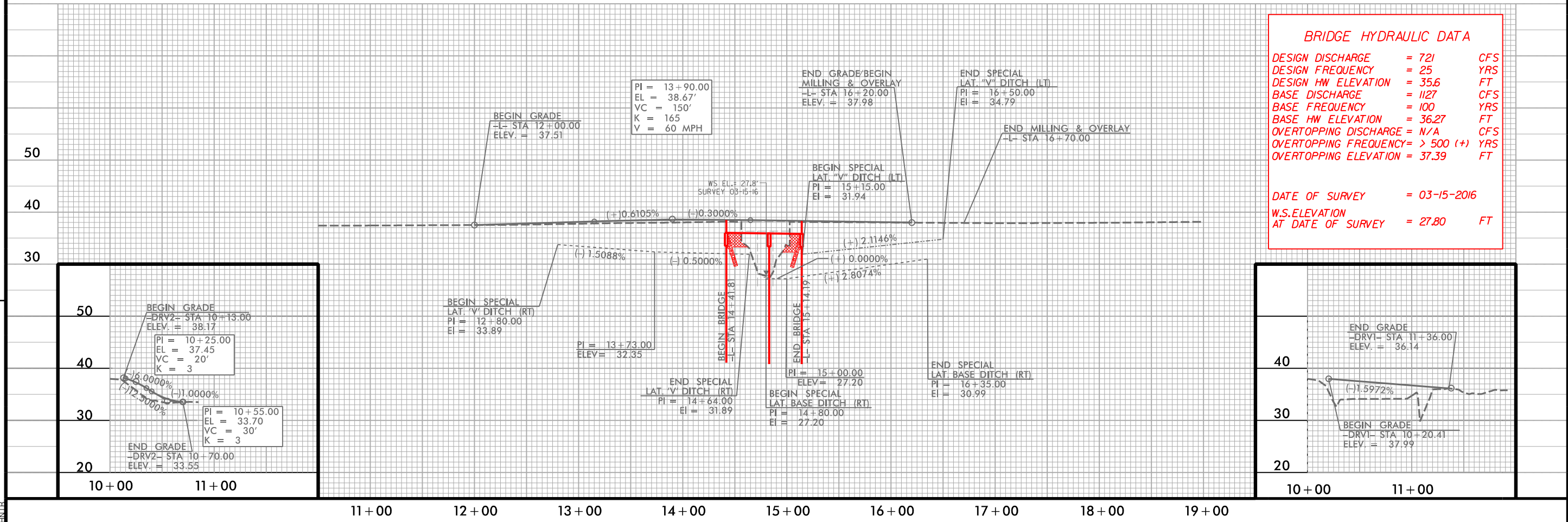


BUFFER IMPACTS

NOTE: ZONE 1 AND ZONE 2 EXEMPT IMPACTS ARE HAND CLEARING ONLY

LEGEND

	ALLOWABLE IMPACTS ZONE 1
	ALLOWABLE IMPACTS ZONE 2
	EXEMPT IMPACTS ZONE 1
	EXEMPT IMPACTS ZONE 2



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DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 35.6	FT
BASE DISCHARGE	= 1127	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 36.27	FT
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