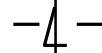
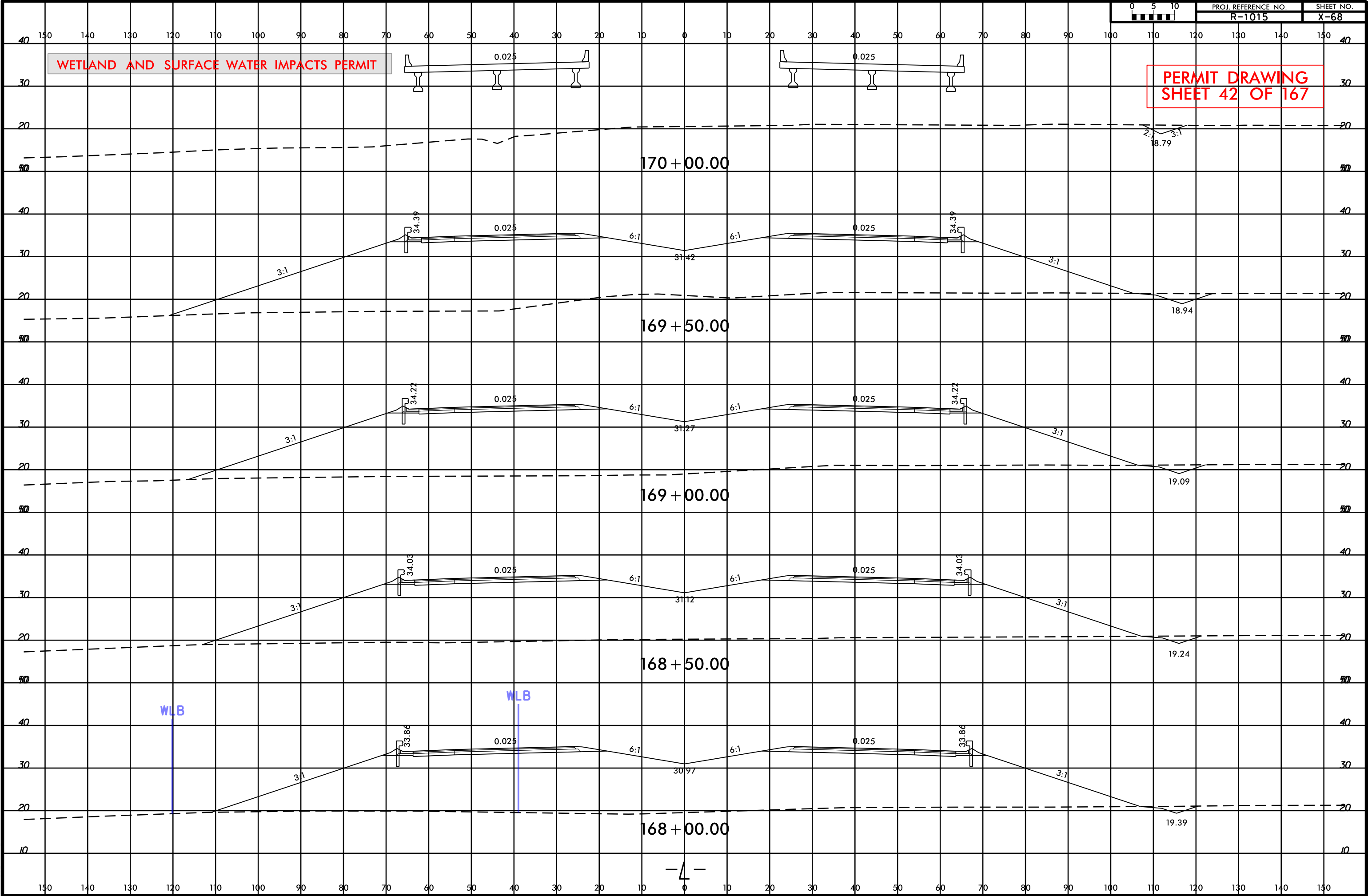


PERMIT DRAWING			
SHEET 41	OF	167	



6/23/16
8/2/2018
mjberry
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\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$SDON\$\$\$\$\$
\$\$\$\$\$SERNAME\$\$\$\$\$



8/17/99

REVISIONS

7/13/2018 - PARCEL 2 - ADDED TDE STATION -L- 170+00 TO 170+55 RT

11/15/2018
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\1015_Hyd_prm_wet_psh13.dgn

DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST

2

SITE 9

NAD 83

DAVID T. ROWE, et ux
JAMES M. STALLINGS, et ux

3

DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST

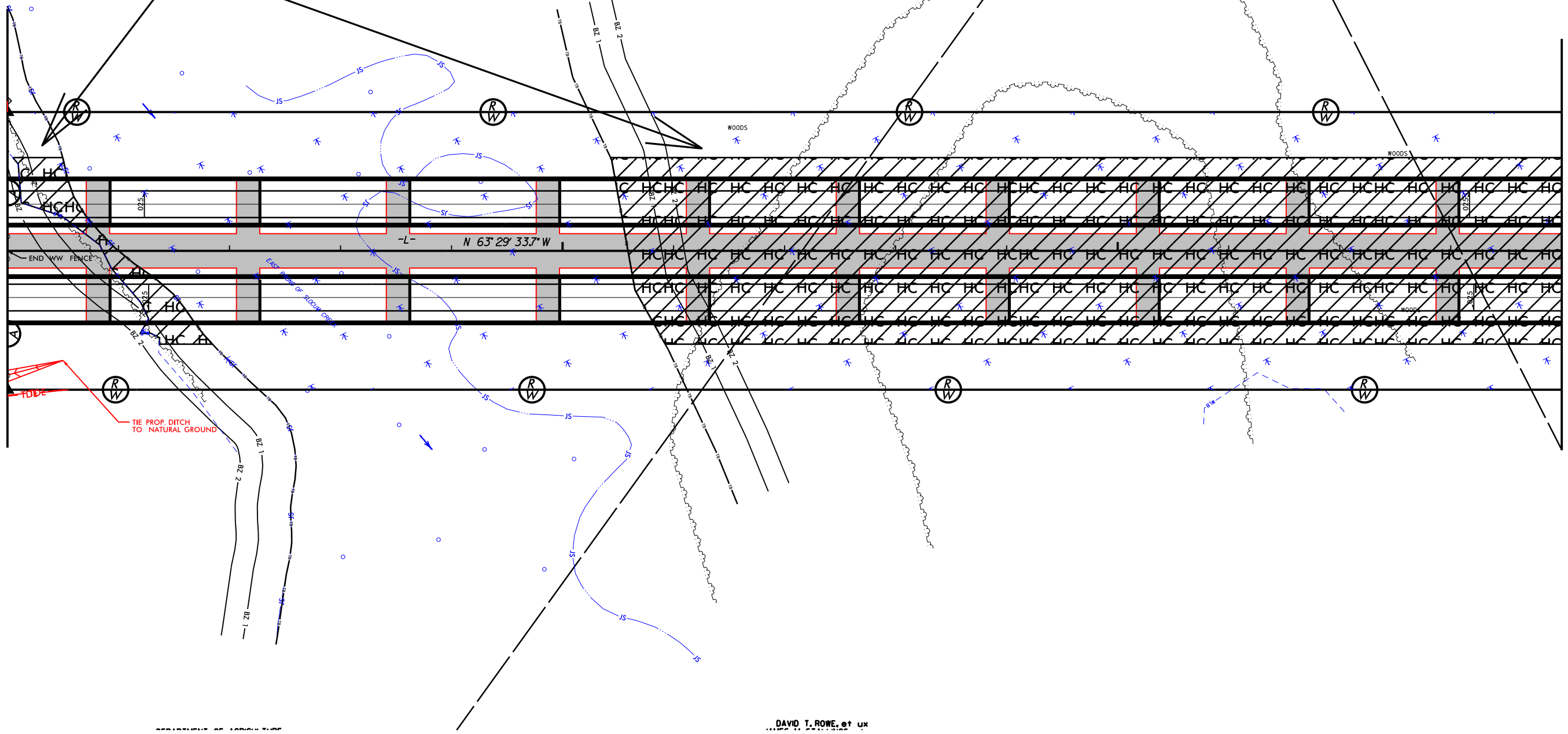
**PERMIT DRAWING
SHEET 43 OF 167**

PROJECT REFERENCE NO.	SHEET NO.
R-1015	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27607
(919) 781-4626 VOICE (919) 781-4664 FAX
NC LICENSE NO. F-0105

MATCH LINE STA. 170 + 00 SEE SHEET 12

MATCH LINE STA. 184 + 00 SEE SHEET 14



HC HC

DENOTES HAND
CLEARING

WORK BRIDGE

50' 0' 50' 100' 150'
GRAPHIC SCALE

8/17/99

REVISIONS

7/13/2018 - PARCEL 2 - ADDED TDE STATION -L- 170+00 TO 170+55 RT

11/15/2018
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\1015_Hyd_prm_wet_psh13.dgn

DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST

2

NAD 83

DAVID T. ROWE, et ux
JAMES M. STALLINGS, et ux

3

DEPARTMENT OF AGRICULTURE
CROATAN NATIONAL FOREST

PERMIT DRAWING
SHEET 44 OF 167

PROJECT REFERENCE NO.	SHEET NO.
R-1015	13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27607
(919) 781-4826 VOICE (919) 781-4884 FAX
NC License NO. F-0105

MATCH LINE STA. 170 + 00 SEE SHEET 12

MATCH LINE STA. 184 + 00 SEE SHEET 14

SITE 9

N 63° 29' 33.7" W

HC HC

DENOTES HAND
CLEARING

WORK BRIDGE

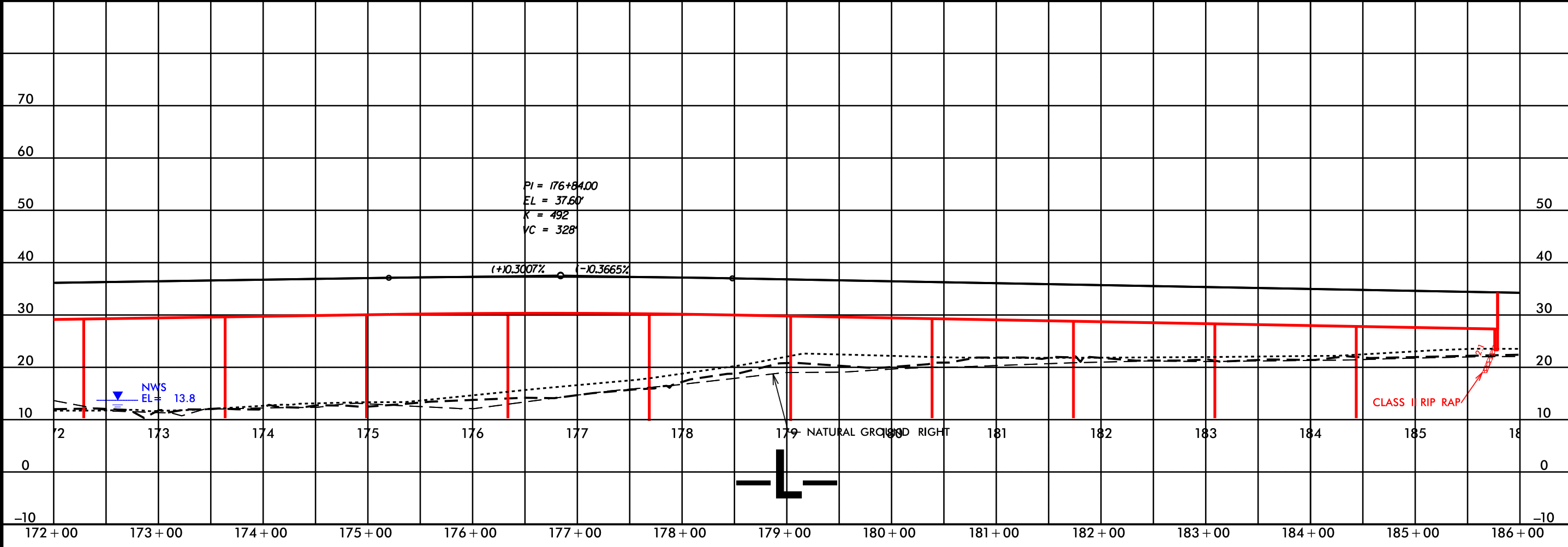
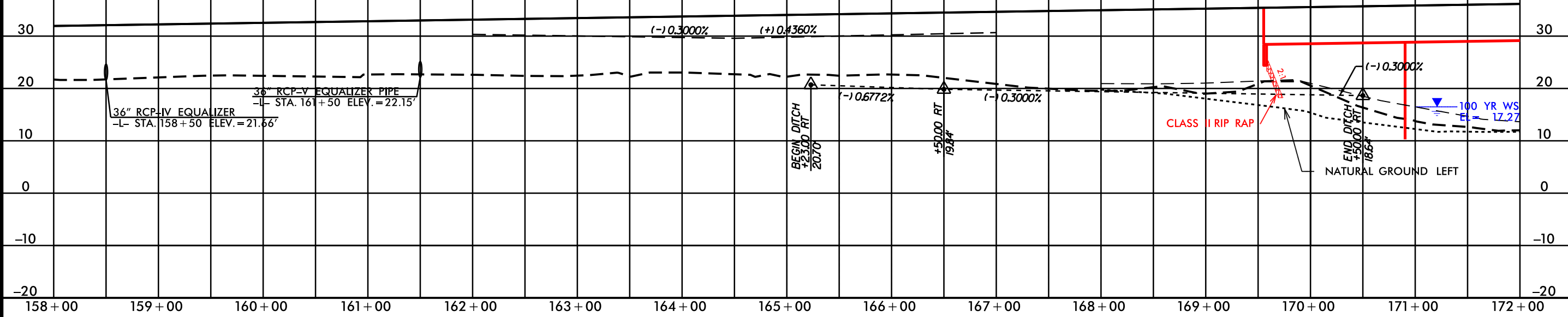
50' 0' 50' 100' 150'
GRAPHIC SCALE

5/28/99

PROJECT REFERENCE NO.		SHEET NO.
R-1015		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	

WETLAND AND SURFACE WATER IMPACTS PERMIT

PERMIT DRAWING
SHEET 45 OF 167

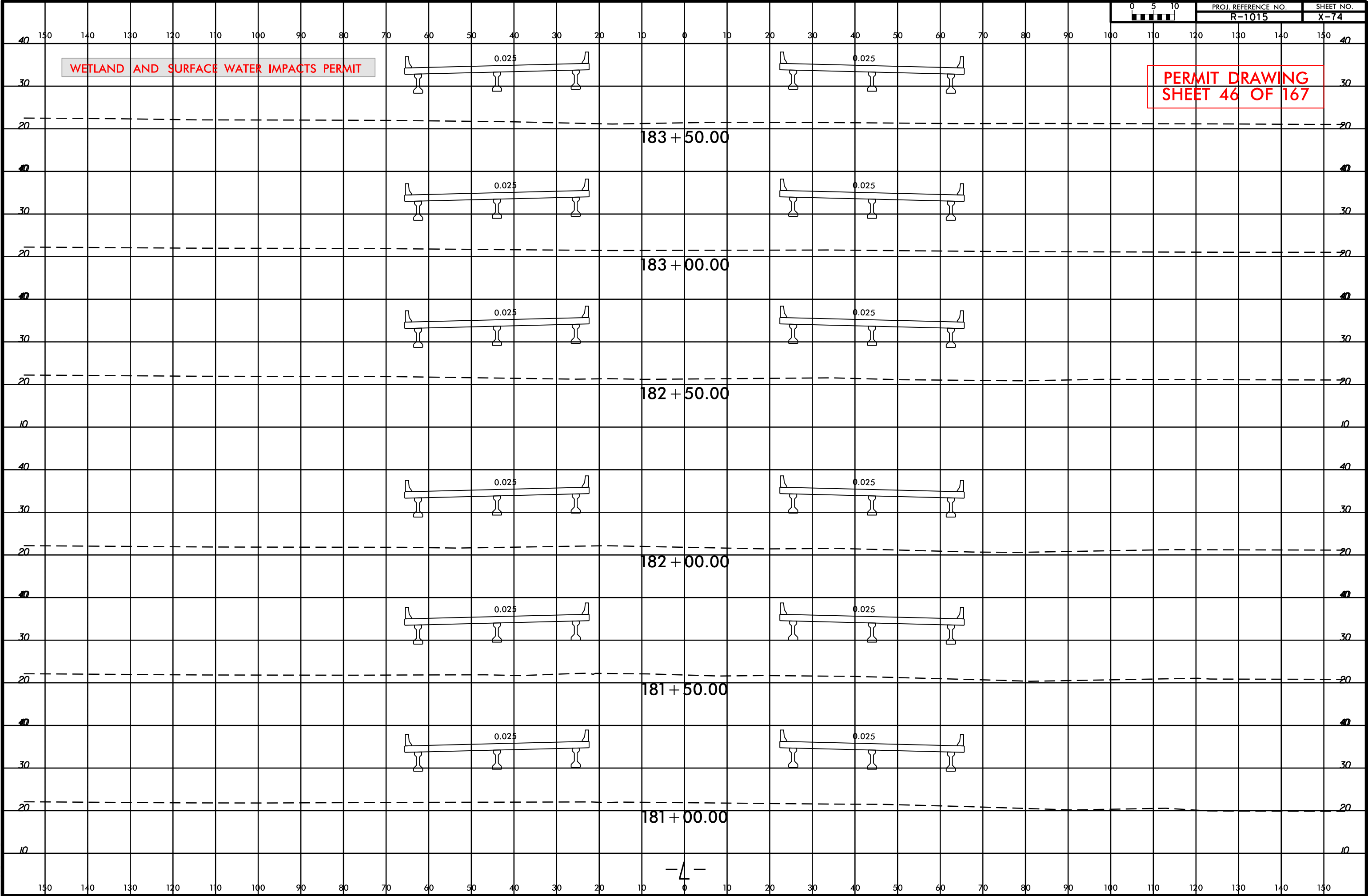


SYSTEMS
DESIGNED
BY
DATE

6/23/16

9/2/2018
mgberry
R:\Hydraulics\PERMITS_Environmental Drawings\XPL\01015_Hyd_XPL_9.dgn

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DON\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$



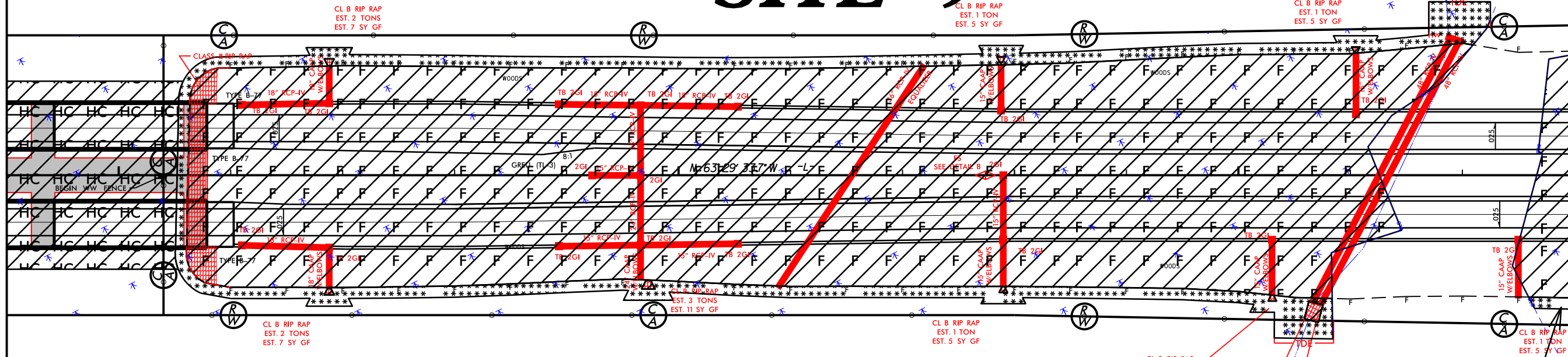
8/17/99

REVISIONS

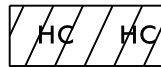
7/13/2018 -- PARCEL 2 - REMOVED TIDE STATION -1- 190+75 TO 191+0 RT
PARCEL 2 - ADDED TIDE STATION -1- 195+32 TO 195+95 RT
PARCEL 2 - ADDED TIDE STATION -1- 196+70 TO 197+25 LT

11/15/2018
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\1015_Hyd_prm_wet_psh14.dgn

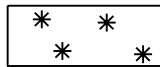
MATCH LINE STA.184 + 00 SEE SHEET 13



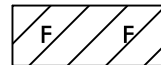
WORK BRIDGE



DENOTES HAND
CLEARING



DENOTES MECHANIZED
CLEARING



DENOTES FILL IN
WETLAND



PROJECT REFERENCE NO.	SHEET NO.
R-1015	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27607
(919) 781-4824 VOICE (919) 781-4884 FAX
NC LICENSE NO. F-0105

PERMIT DRAWING
SHEET 47 OF 167

SITE 10

SITE 9

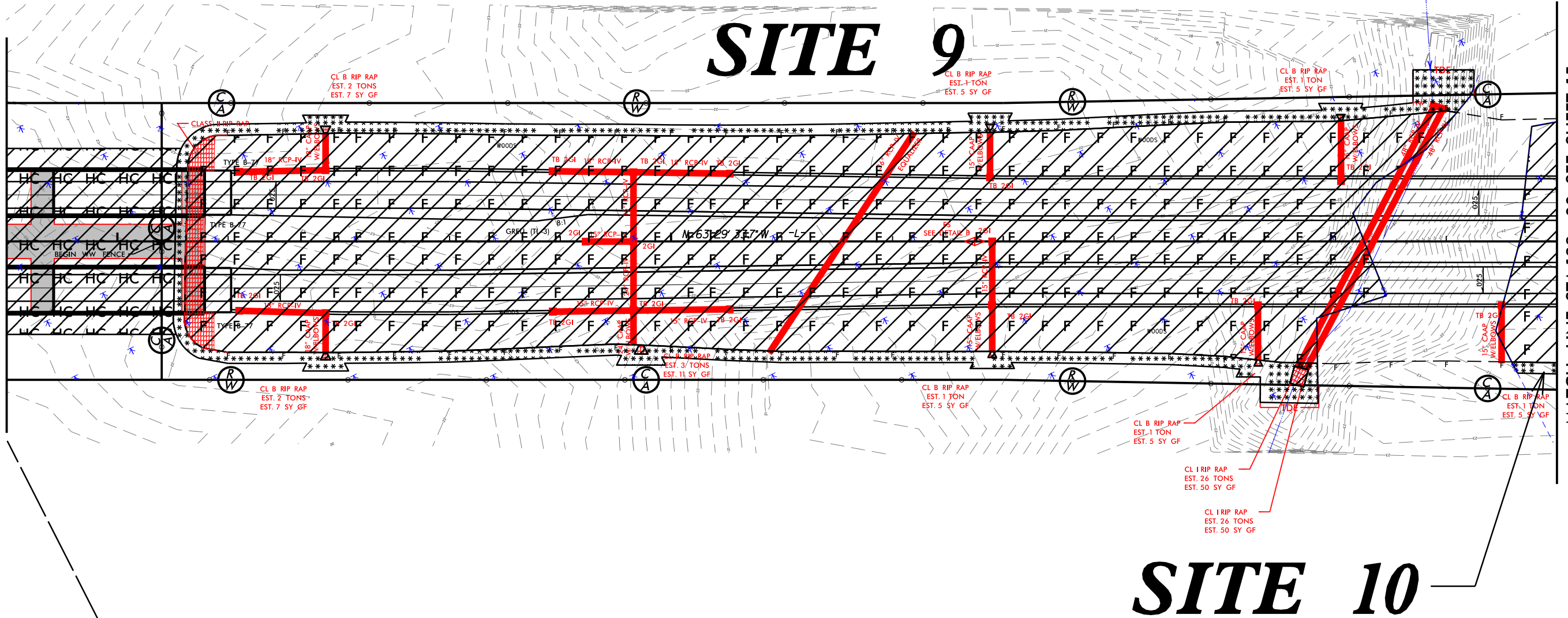
REVISIONS

7/13/2018 -- PARCEL 2 - REMOVED TIDE STATION -1- 190+75 TO 191+0 RT
PARCEL 2 - ADDED TIDE STATION -1- 195+32 TO 195+95 RT
PARCEL 2 - ADDED TIDE STATION -1- 196+70 TO 197+25 LT

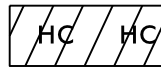
11/15/2018
mgberry
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8/17/99

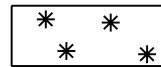
MATCH LINE STA.184+00 SEE SHEET 13



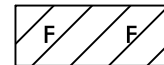
WORK BRIDGE



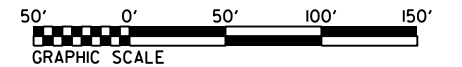
DENOTES HAND
CLEARING



DENOTES MECHANIZED
CLEARING



DENOTES FILL IN
WETLAND



PROJECT REFERENCE NO.	SHEET NO.
R-1015	14
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

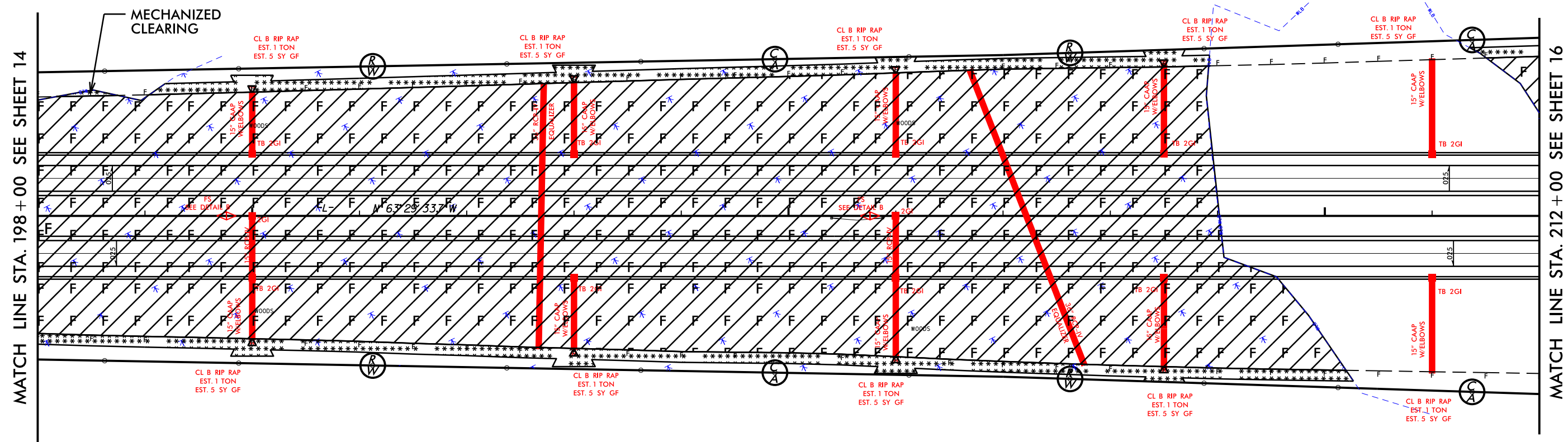
moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27601
(919) 781-4626 VOICE (919) 781-4664 FAX
NC LICENSE NO. F-0105

PERMIT DRAWING
SHEET 48 OF 167

MATCH LINE STA.198+00 SEE SHEET 15

PERMIT DRAWING
SHEET 49 OF 167

SITE 10



DENOTES MECHANIZED
CLEARING

DENOTES FILL IN
WETLAND



REVISIONS

MATCH LINE STA. 198+00 SEE SHEET 14

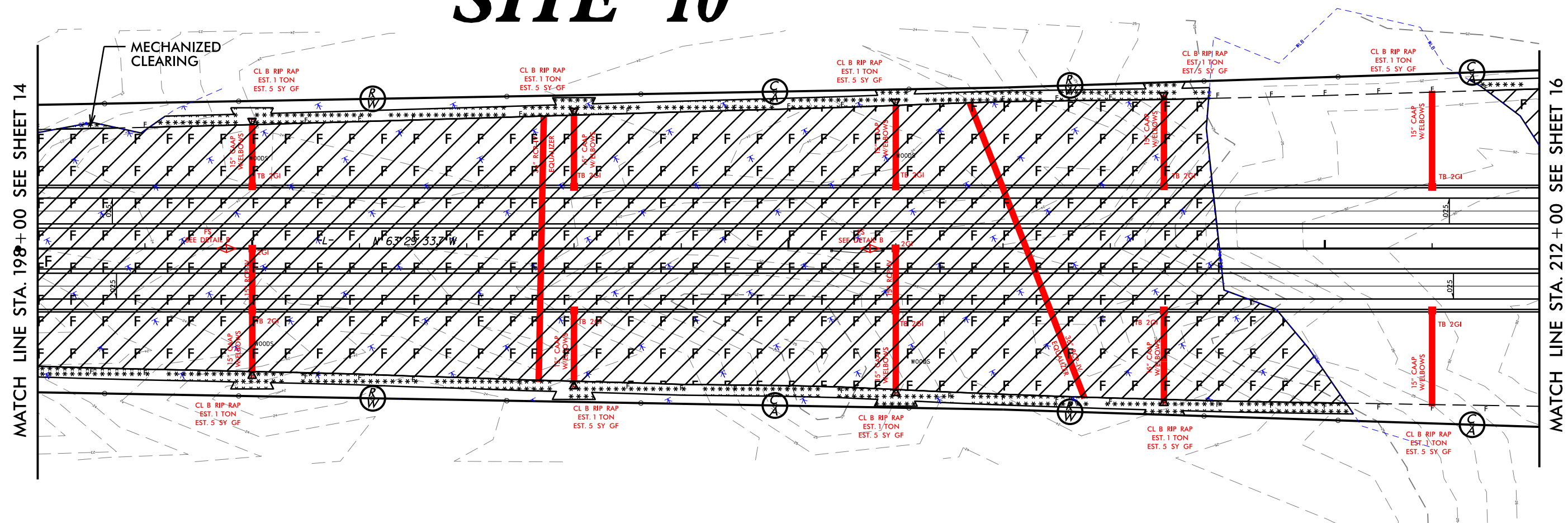
MATCH LINE STA. 212+00 SEE SHEET 16

SYTIME\$\$\$\$\$
DGN\$\$\$\$\$

11/5/2018
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\r-1015_Hyd_prm_wet_psh15.dgn

PERMIT DRAWING
SHEET 50 OF 167

SITE 10



MATCH LINE STA. 198+00 SEE SHEET 14

MATCH LINE STA. 212+00 SEE SHEET 16

REVISIONS

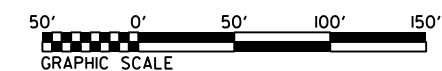
SYTIME\$\$\$\$\$
DGN\$\$\$\$\$

11/5/2018
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\r-1015_Hyd_prm_wet_psh15.dgn

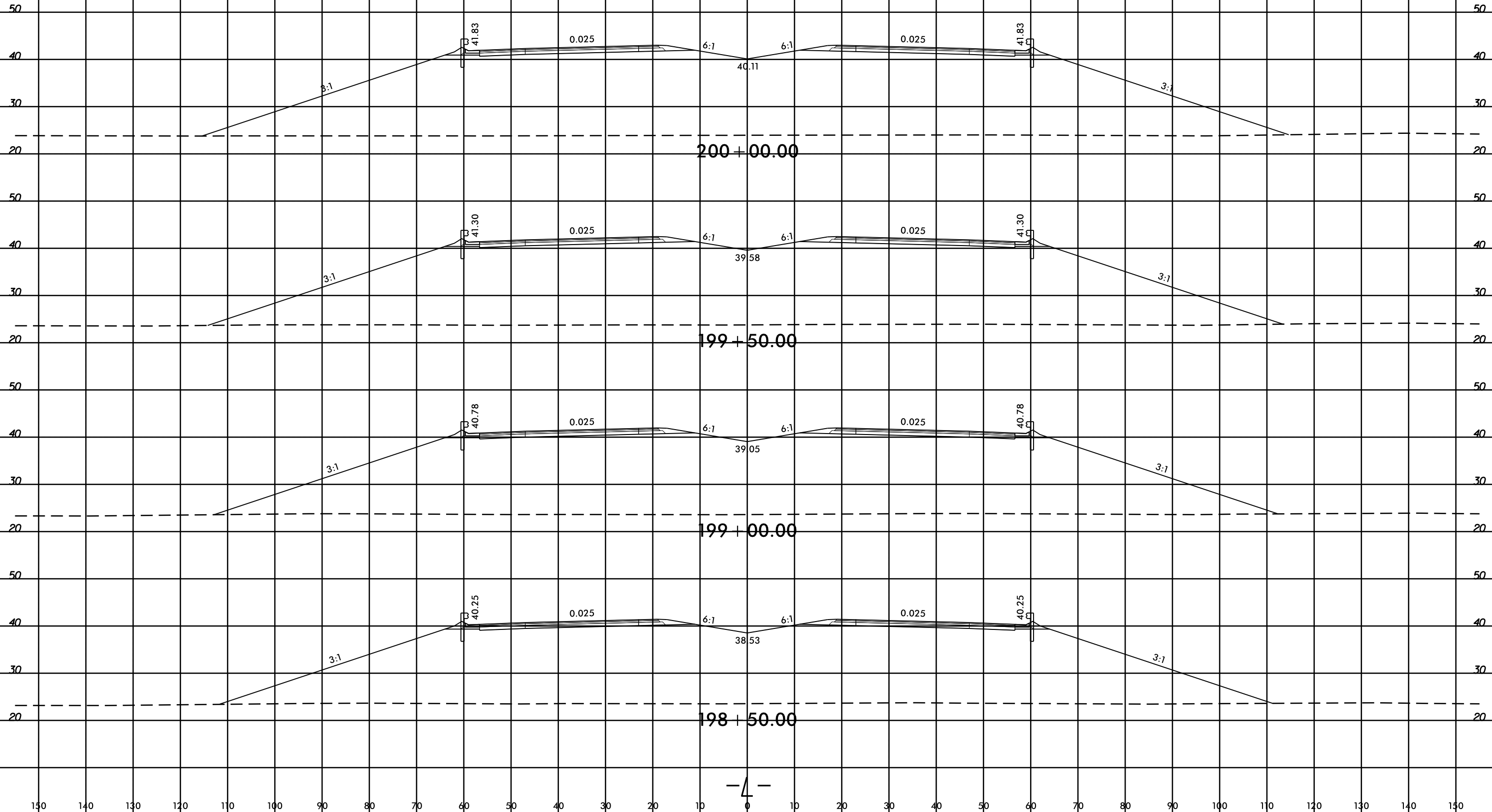
DENOTES MECHANIZED
CLEARING



DENOTES FILL IN
WETLAND



PERMIT DRAWING				
SHEET 51 OF 167				



SITE 11

SITE 12

4

MATCH LINE STA. 226+00 SEE SHEET 17

7/13/2018 - PARCEL 2 - ADDED TCE STATION -L- 219+30 TO 223+65 LT

SYTIME\$\$\$\$\$
DGN\$\$\$\$\$

mgberry

R:\Hydraulics\PERMITS Environmental Drawings\Wetland & Stream\r-1015_Hyd_prm_wet_psh16.dgn

DEPARTMENT OF AGRICULTURE

DENOTES EXCAVATION
IN WETLAND

DENOTES MECHANIZED
CLEARING

DENOTES FILL IN
WETLAND

50' 0' 50' 100' 150'
GRAPHIC SCALE

8/17/99

REVISIONS

7/13/2018 - PARCEL 2 - ADDED TCE STATION -L- 219+30 TO 223+65 LT

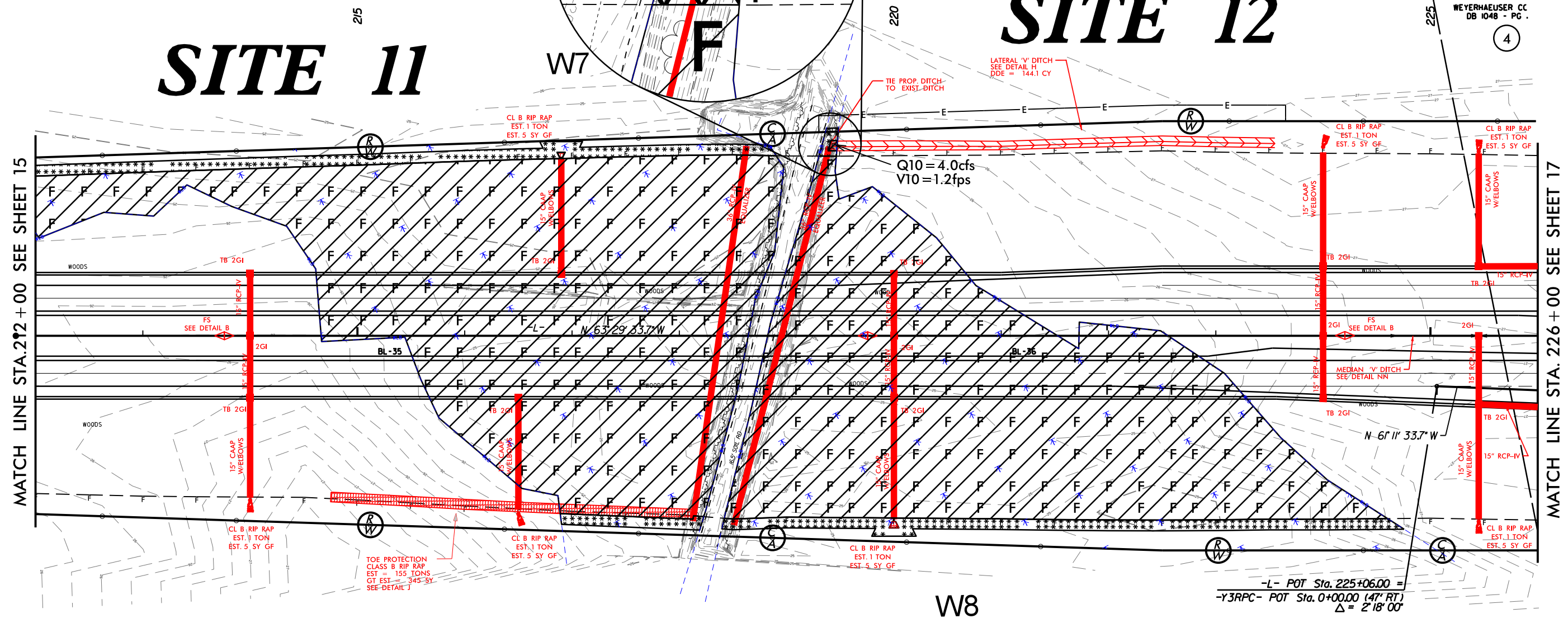
11/15/2018
mgberry
R:\Hydraulics\PERMITS_Environmental\Drawings\Wetland & Stream\c-1015_Hyd_prm_wet_psh16.dgn

5X ENLARGEMENT



PROJECT REFERENCE NO.	SHEET NO.
R-1015	16
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

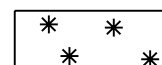
PERMIT DRAWING
SHEET 53 OF 167



DEPARTMENT OF AGRICULTURE



DENOTES EXCAVATION
IN WETLAND

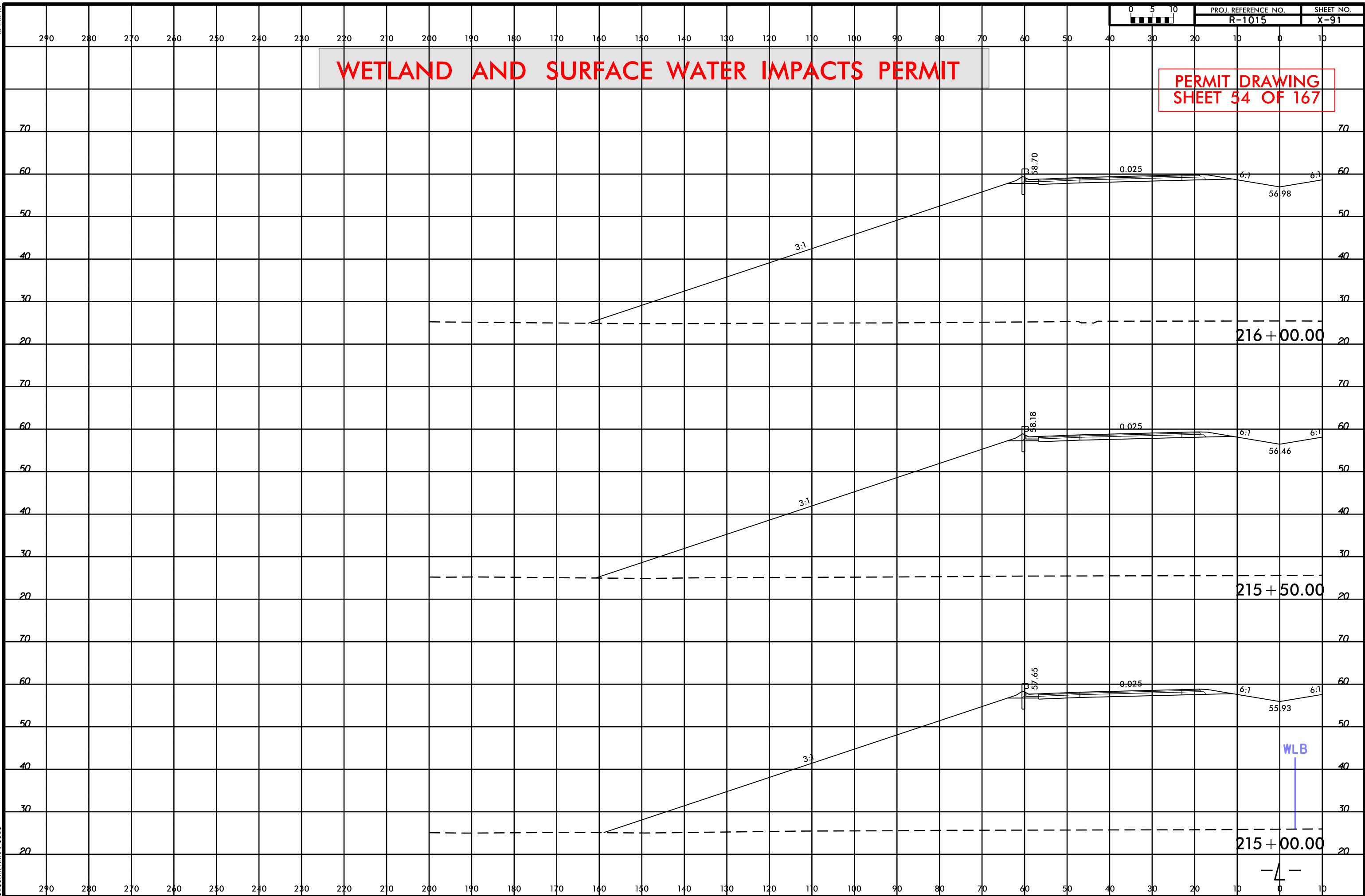


DENOTES MECHANIZED
CLEARING



DENOTES FILL IN
WETLAND





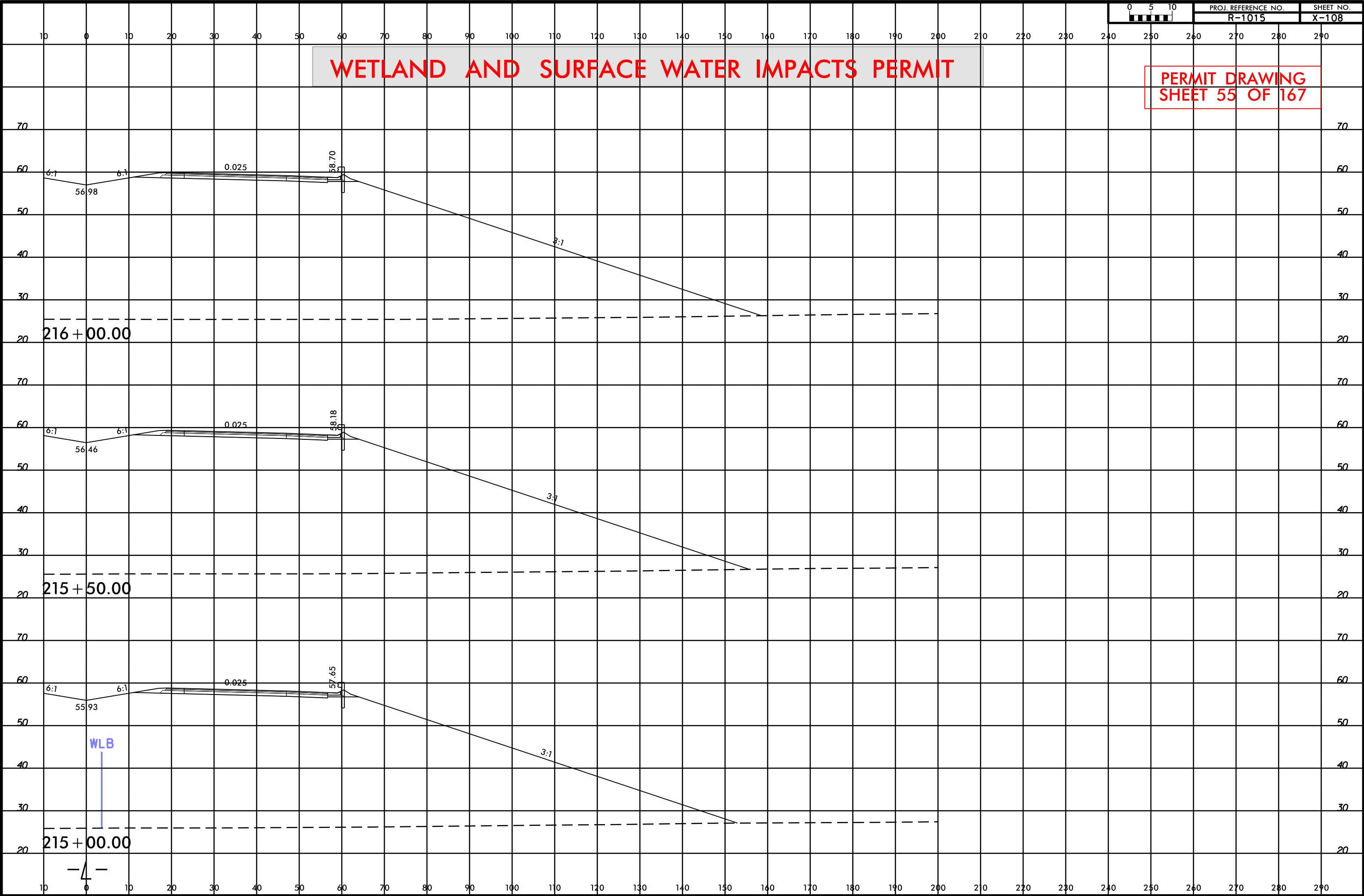
8/2/2018
mgberry
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\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

6/23/16

PROJ. REFERENCE NO.			SHEET NO.	
R-1015			X-108	

WETLAND AND SURFACE WATER IMPACTS PERMIT

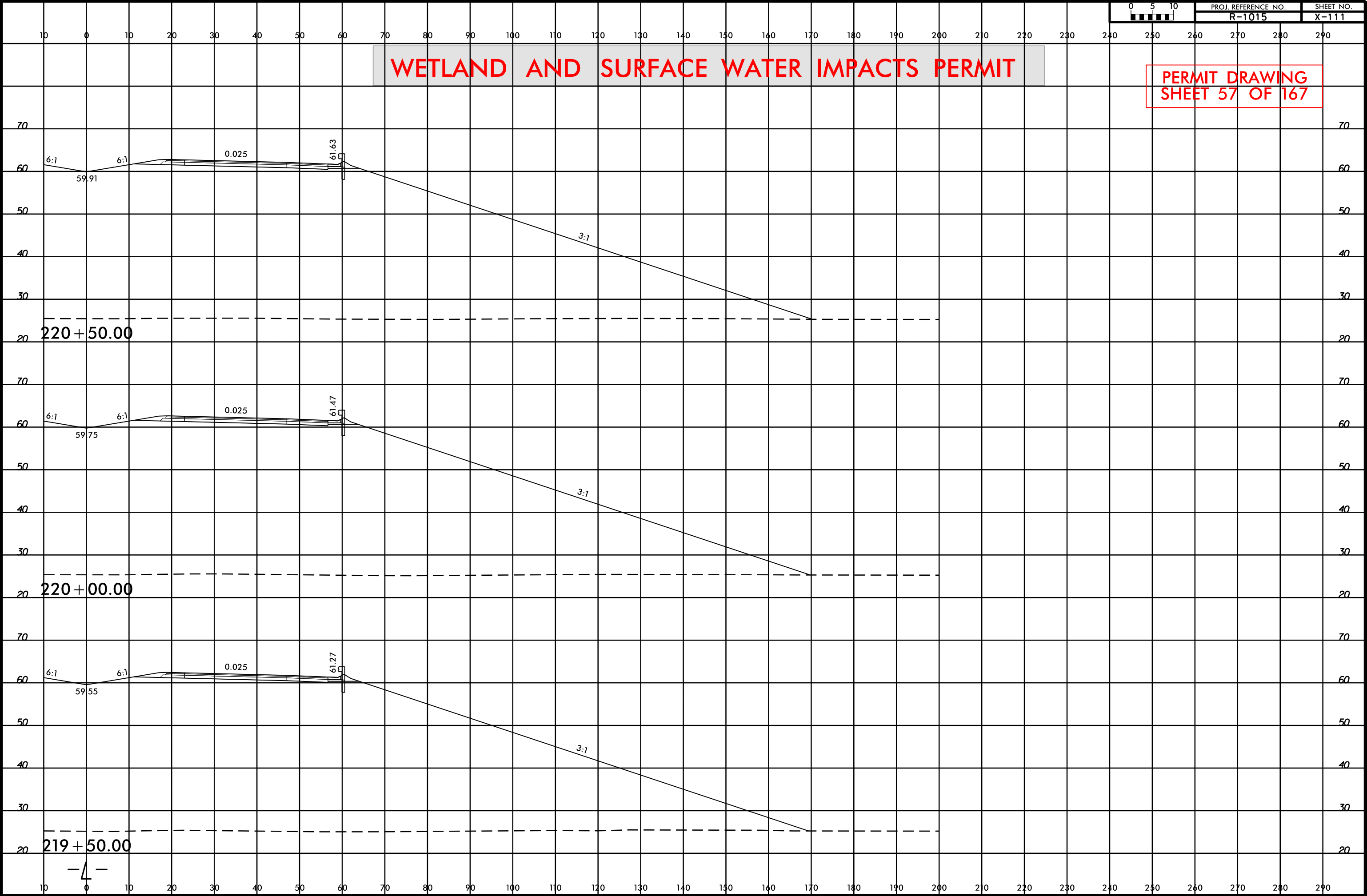
PERMIT DRAWING
SHEET 55 OF 167

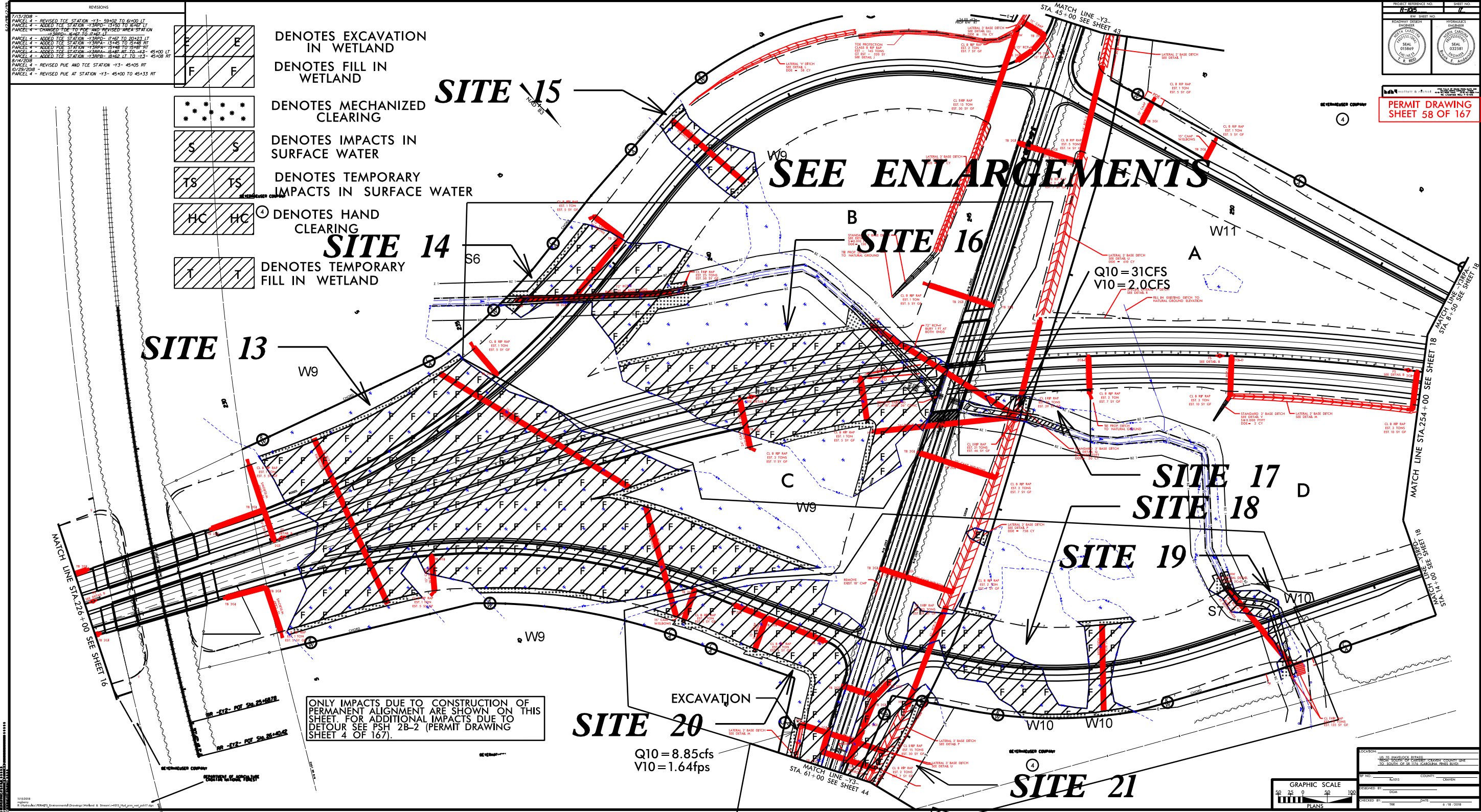


6/23/16
9/2/2018
R:\Hydrolics\PERMITS\Environmental\Drawings\XPL\R1015_Hyd_XPL_12_Rt.dgn
\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

WETLAND AND SURFACE WATER IMPACTS PERMIT

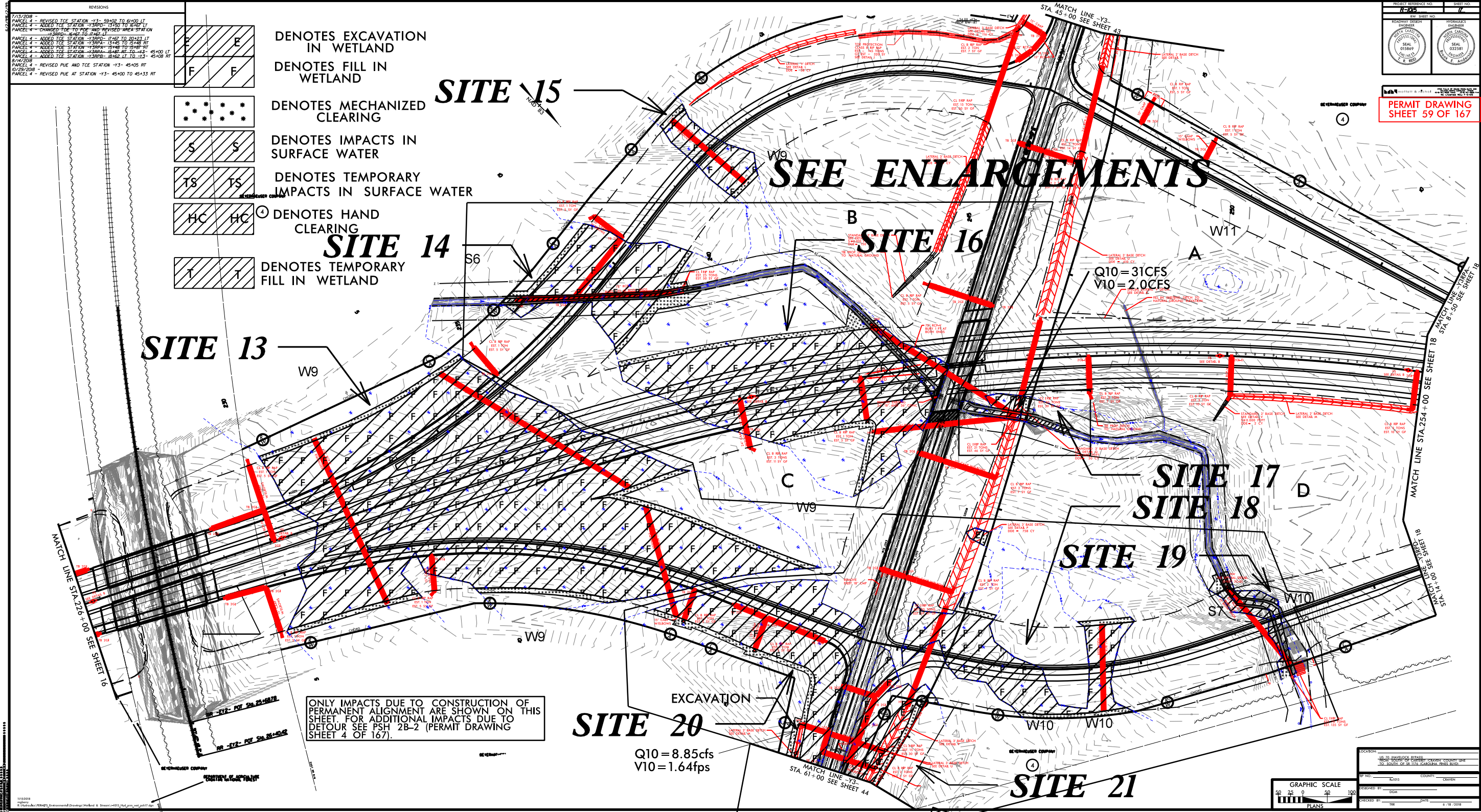
PERMIT DRAWING
SHEET 57 OF 167





PROJECT REFERENCE NO. R-05		SHEET NO. 17
FORWARD DESIGN		HYDRAULICS
DESIGNED BY: SEA GROUP	SEAL: SEA GROUP	SEAL: SEA GROUP
PERMIT DRAWING SHEET 58 OF 167		

GRAPHIC SCALE	
0 25 50 100	
PLANS	
DATE: 6/16/2016	



PROJECT REFERENCE NO. R-05		SHEET NO. 17
FORWARD DESIGN		HYDRAULICS
SEAL	SEAL	SEAL
DATE	DATE	DATE
PERMIT DRAWING SHEET 59 OF 167		

GRAPHIC SCALE	
50	100
PLANS	
PROJECT INFORMATION	
BY NO.	DATE
DESIGNED BY	DATE
CHECKED BY	DATE