

**POINTE COUPEE PARISH POLICE JURY  
M-1 CHANNEL IMPROVEMENTS**

9/21/2016

PEC PROJECT NO. 11139.03

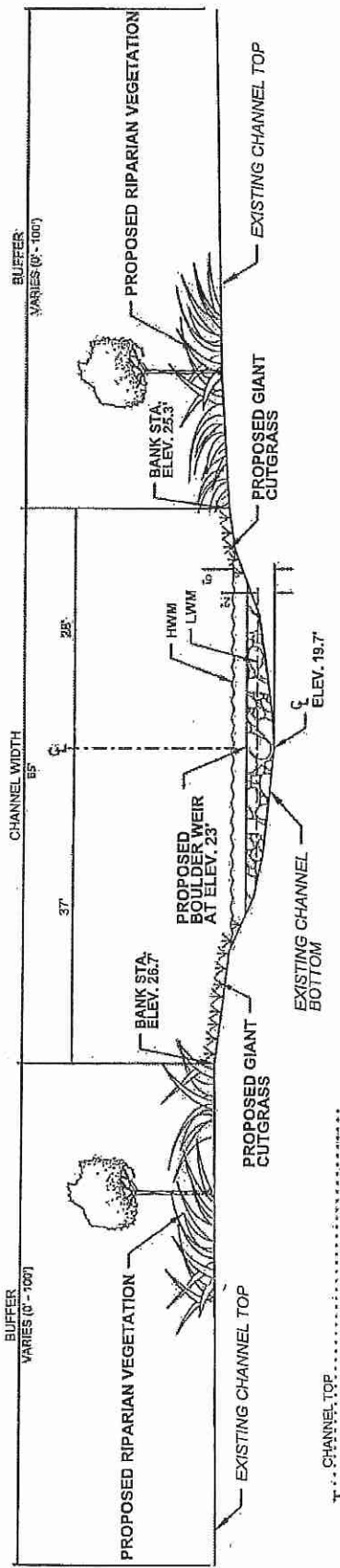
<b>PROPOSED WEIRS</b>	<b>STATION</b>	<b>HEIGHT</b>	<b>BOTTOM EL.</b>	<b>WEIR EL.</b>	<b>TOP OF BANK EL.</b>
Weir No. 1	36+61	7'	11.3'	18.3'	25.7'
Weir No. 2	94+11	8'	15.0'	23.0'	31.0'
Weir No. 3	155+56	5.5'	18.0'	23.5'	29.0'
Weir No. 4	204+34	8'	21.0'	29.0'	37.0'

<b>PROPOSED BAFFLES</b>	<b>STATION</b>	<b>HEIGHT</b>	<b>BOTTOM EL.</b>	<b>WEIR EL.</b>	<b>TOP OF BANK EL.</b>
No. 1	50+00	6'	12.5'	18.5'	26.0'
No. 2	74+00	7'	14.0'	21.0'	29.5'
No. 3	113+00	7.5'	16.0'	23.5'	31.5'
No. 4	140+00	7'	17.5'	24.5'	32.5'
No. 5	171+00	6'	18.7'	24.7'	30.5'
No. 6	188+00	6.5'	20.5'	27.0'	34.0'
No. 7	214+77				

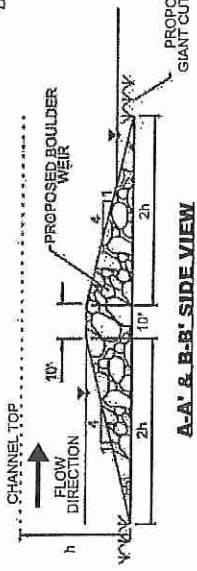
**PREPARED BY:**



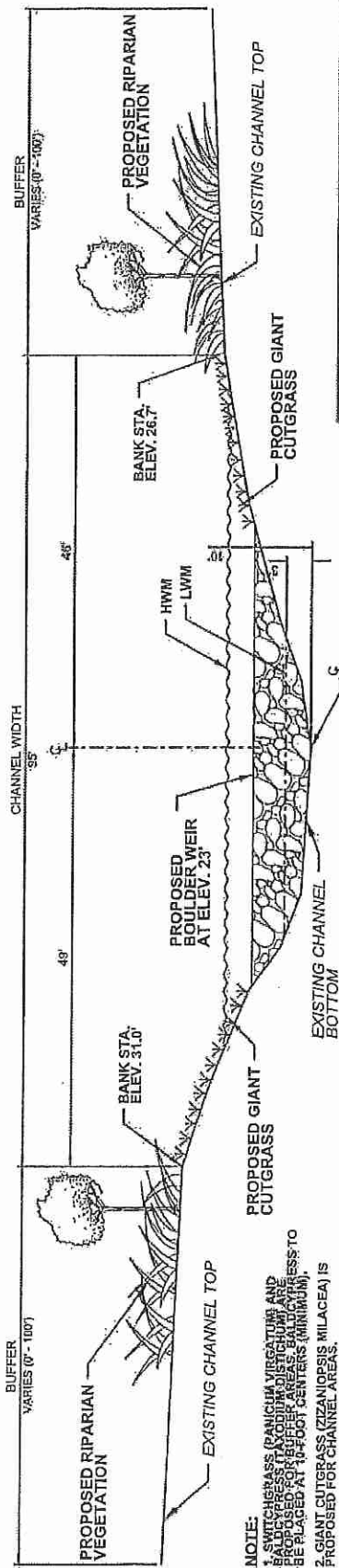
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**BOULDER WEIR TYPICAL SECTION SECTION A-A**  
N.T.S.



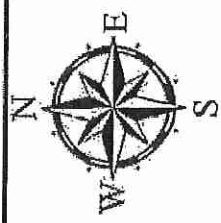
**A-A' & B-B' SIDE VIEW**



**BOULDER WEIR TYPICAL SECTION SECTION B-B**  
N.T.S.

- NOTE:**
1. SWITCHGRASS (BANKH) VEGETATION AND BALD CYPRESS (TODDIA) DISTICHUM AND PROPOSED FOR BUFFER AREAS; BALD CYPRESS TO BE PLACED AT 10-FOOT CENTERS (MINIMUM).
  2. GIANT CUTGRASS (IZANIOPSIS MILACEA) IS PROPOSED FOR CHANNEL AREAS.
  3. "h" INDICATES HEIGHT OF CHANNEL.
  4. ELEVATIONS ARE IN COORDINATE SYSTEM NAD83.
  5. HWM-ESTIMATED HIGH WATER MARK, BASED UPON VISUAL OBSERVATION.
  6. LWM-ESTIMATED LOW WATER MARK, BASED UPON VISUAL OBSERVATION.

TOTAL BOULDER ROCK FOR WEIRS & BAFFLES IN EXISTING CHANNEL = 1,950 CU. YD. (OTHER WATERS, SEC. 404)  
TOTAL WEIRS & BAFFLES IN EXISTING CHANNEL = 0.11 ACRES (OTHER WATERS, SEC. 404)

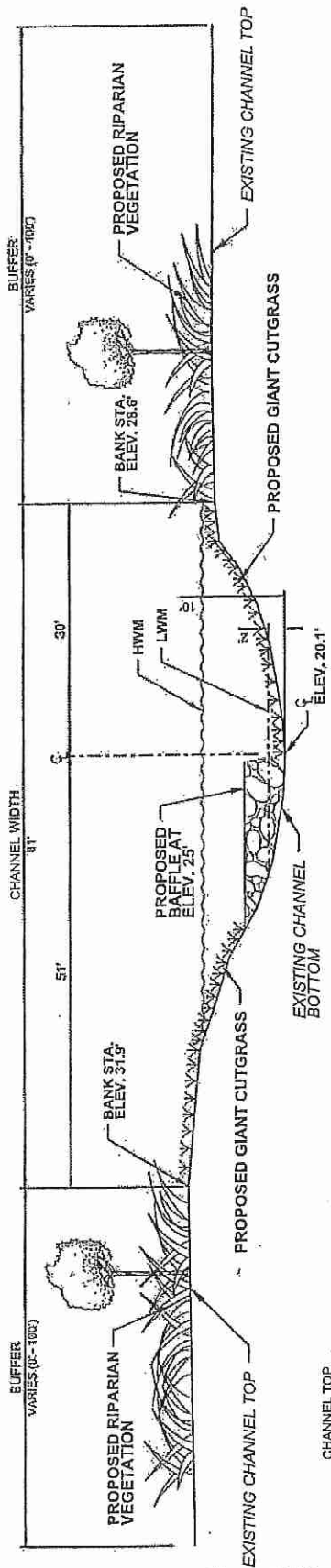


**M1 CHANNEL & EAST LATERAL FALSE RIVER NITROGEN MITIGATION**  
**Figure 3**

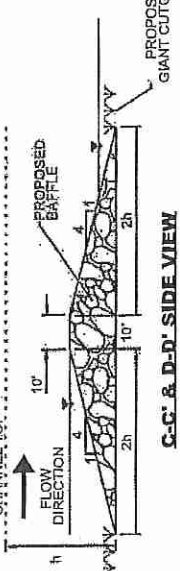
**Cross-Section View**  
SECTION 18/96/97/98/101, 14/5S, R10/11E  
POINTE COUPEE PARISH, LOUISIANA

NOVEMBER 25, 2015

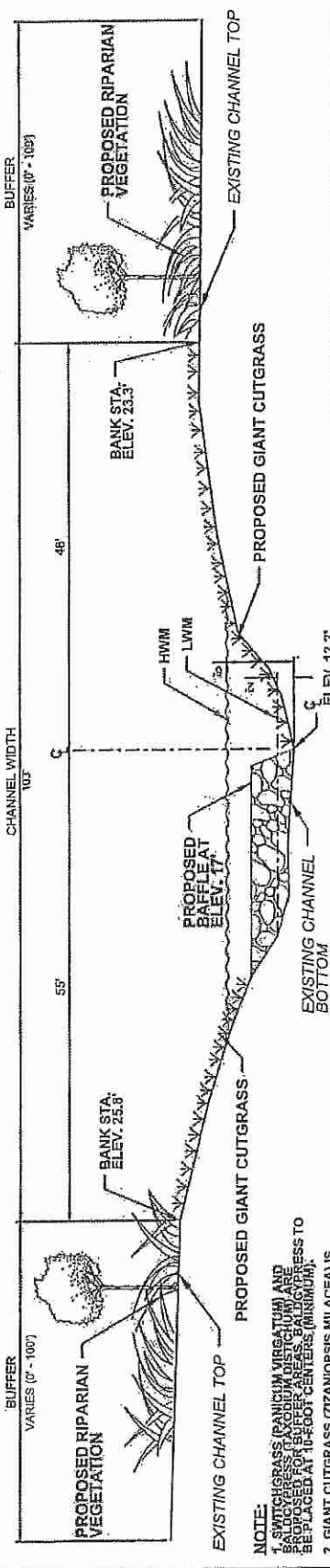
SHEET 3 OF 4



**BAFFLE TYPICAL SECTION SECTION C-C**  
N.T.S.



**C-C' & D-D' SIDE VIEW**



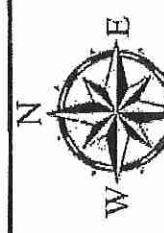
**BAFFLE TYPICAL SECTION SECTION D-D'**  
N.T.S.

- NOTE:**
1. SWITCHGRASS (*PANICUM VIRGATUM*) AND SAILORGRASS (*TRICHORIUM DISTICHUM*) ARE TO BE PLACED AT 10-FOOT CENTERS (MINIMUM).
  2. GIANT CUTGRASS (*TRIANOPSIS MILACEA*) IS PROPOSED FOR CHANNEL AREAS.
  3. "H" INDICATES HEIGHT OF CHANNEL.
  4. ELEVATIONS ARE IN COORDINATE SYSTEM MAD83.
  5. HWM=ESTIMATED HIGH WATER MARK, BASED UPON VISUAL OBSERVATION.
  6. LWM=ESTIMATED LOW WATER MARK, BASED UPON VISUAL OBSERVATION.

TOTAL BOULDER ROCK FOR WEIRS & BAFFLES IN EXISTING CHANNEL = 1,950 CU. YD. (OTHER WATERS, SEC. 404)

TOTAL WEIRS & BAFFLES IN EXISTING CHANNEL = 0.11 ACRES (OTHER WATERS, SEC. 404)

**M1 CHANNEL & EAST LATERAL FALSE RIVER NITROGEN MITIGATION**



**Figure 4 Cross-Section View**

SECTION 18/96197/98/101, T4/5S, R10/11E  
POINTE COUPEE PARISH, LOUISIANA

NOVEMBER 25, 2015

**Table 711-1**

**Riprap**

Riprap Class <sup>1</sup>	Stone Size lb (kg)	Spherical Diameter, ft (mm) <sup>2</sup>	Percent of Stone Smaller Than
2 lb (1 kg)	10 (4.5)	0.50 (150)	100
	4 (2)	0.37 (115)	40-100
	2 (1)	0.29 (90)	15-50
	0.75 (0.30)	0.21 (60)	0-15
10 lb (5 kg)	50 (23)	0.83 (260)	100
	20 (9)	0.63 (190)	50-100
	10 (5)	0.50 (160)	15-50
	5 (2.5)	0.40 (125)	0-15
30 lb (15 kg)	140 (64)	1.17 (365)	100
	60 (27)	0.90 (275)	42-100
	30 (15)	0.72 (225)	15-50
	10 (4.5)	0.50 (150)	0-15
55 lb (25 kg) <sup>3</sup>	275 (125)	1.50 (460)	100
	110 (50)	1.11 (335)	42-100
	55 (25)	0.88 (270)	15-50
	20 (9)	0.63 (190)	0-15
130 lb (60 kg) <sup>3</sup>	650 (295)	<b>2.00 (610)</b>	100
	260 (120)	1.46 (450)	45-100
	130 (60)	1.17 (360)	15-50
	40 (18)	0.79 (240)	0-15
250 lb (115 kg) <sup>3</sup>	1250 (570)	2.50 (760)	100
	500 (225)	1.83 (560)	45-100
	250 (115)	1.46 (445)	15-50
	80 (35)	1.00 (300)	0-15
440 lb (200 kg) <sup>3</sup>	2200 (1000)	3.00 (915)	100
	900 (410)	2.23 (680)	40-100
	440 (200)	1.76 (535)	14-50
	130 (60)	1.17 (360)	0-15
1000 lb (455 kg) <sup>3</sup>	5000 (2270)	4.00 (1205)	100
	2000 (910)	2.91 (885)	45-100
	1000 (455)	2.31 (705)	10-50
	300 (135)	1.55 (470)	0-15

<sup>1</sup>The stone size used to define the Riprap Class is the minimum median stone size for the stone class. The minimum thickness of a riprap layer shall be no less than the spherical diameter of the maximum stone size in the Riprap Class.

<sup>2</sup>Spherical Diameter based on a solid weight of 155 lb/cu ft (2490 kg/cu m).

<sup>3</sup>Recycled portland cement concrete may not be used in these riprap classes.

# M-1 Landowner Map

