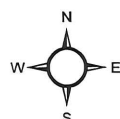




0 500 1,000
Feet
Scale



Aerial Photograph-2014

Source: ESADATA, NAIP

SWG-2018-00573

River Plantation MUD

Legend

- Feature 1
- Feature 2

Conroe

SWG-2018-00573

The Woodlands

770

105

Google Earth

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

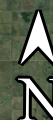
© 2020 Google

Image Landsat / Copernicus

Houston

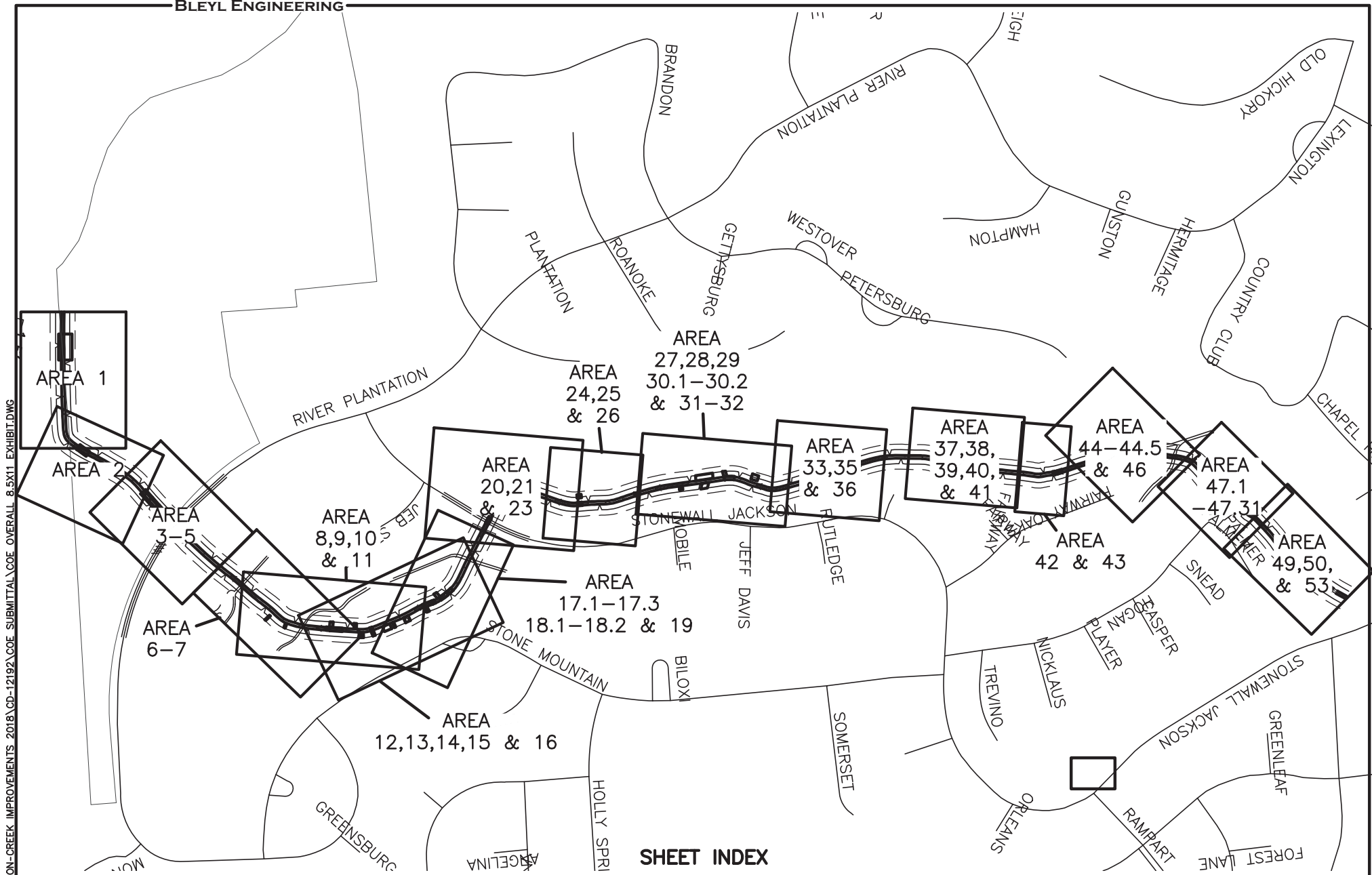
Pasadena

Baytown



20 mi

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0 50 100
02/28/2020
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
---------------	--

PROJECT NUMBER:	12192
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PREPARED FOR:	RIVER PLANTATION MUD
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DATE:	APRIL 03, 2019
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Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.



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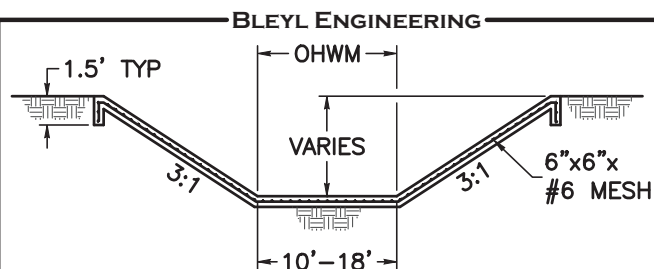
TEXAS FIRM REGISTRATION NO. F-678
CE SWG 2018-0075 * SMC PROJ 19003
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100 NUGENT STREET,
CONROE TEXAS 77301
PHONE 936-441-7833

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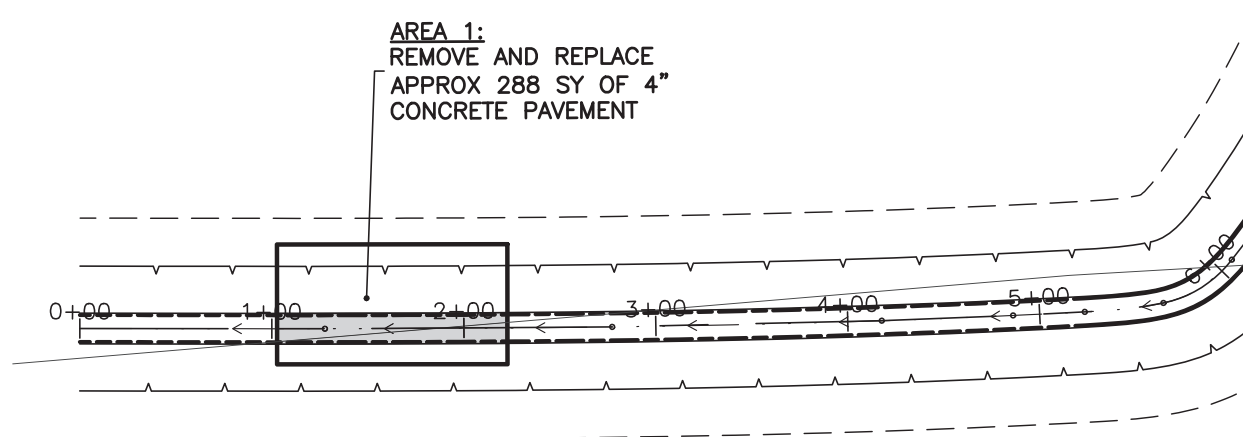
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SECTION "A-A"

NTS



WORK AREA

AREA 1:

TOTAL WORK	288 SY
IMPACT WORK	213 SY
NON-IMPACT WORK	75 SY
LINEAR FEET OF CHANNEL/WORK AREA	120 LF

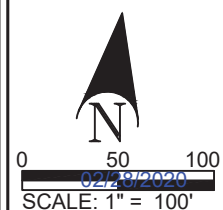
NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND



OHWM = ORDINARY HIGH WATER MARK



PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019



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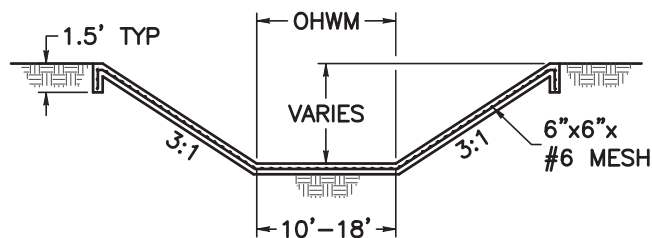
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Plan View Work Zone
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ORIGINAL LAYOUT SIZE - 8.5X11

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**SECTION "A-A"**

NTS

WORK AREA**AREA 2:**

TOTAL WORK	166 SY
IMPACT WORK	95 SY
NON-IMPACT WORK	71 SY
LINEAR FEET OF CHANNEL/WORK AREA	55 LF

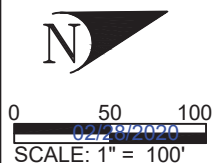
NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK



PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019



Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

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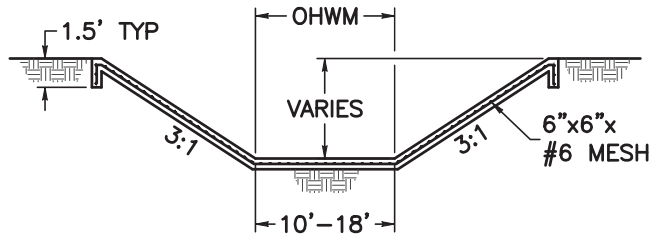
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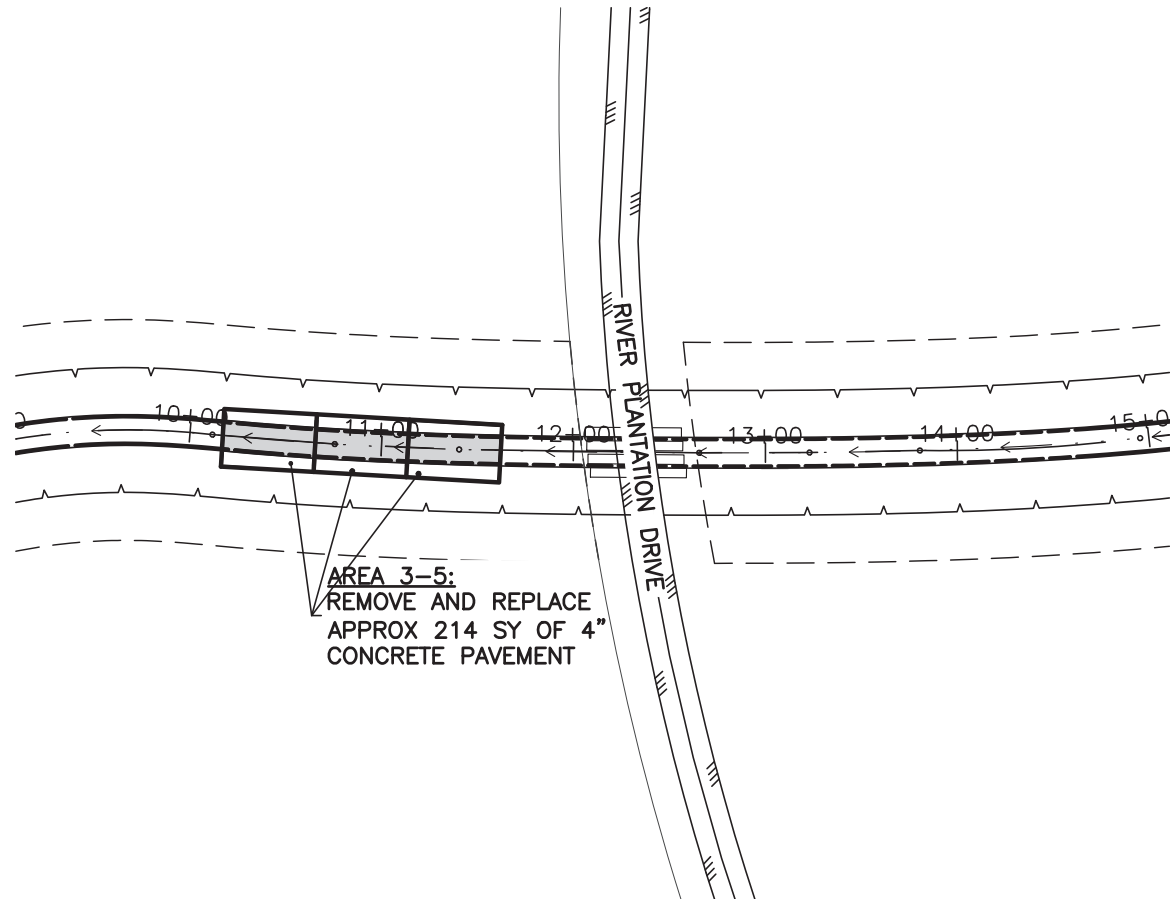
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ORIGINAL LAYOUT SIZE - 8.5X11



SECTION "A-A"

NTS



WORK AREAS

AREA 3:

TOTAL WORK	161 SY
IMPACT WORK	71 SY
NON-IMPACT WORK	90 SY
LINEAR FEET OF CHANNEL/WORK AREA	48 LF

AREA 4:

TOTAL WORK	161 SY
IMPACT WORK	71 SY
NON-IMPACT WORK	90 SY
LINEAR FEET OF CHANNEL/WORK AREA	48 LF

AREA 5:

TOTAL WORK	161 SY
IMPACT WORK	71 SY
NON-IMPACT WORK	90 SY
LINEAR FEET OF CHANNEL/WORK AREA	48 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND



WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019



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Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
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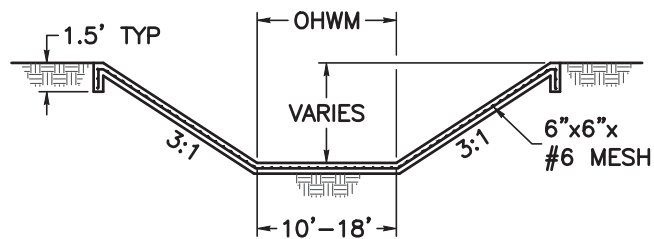
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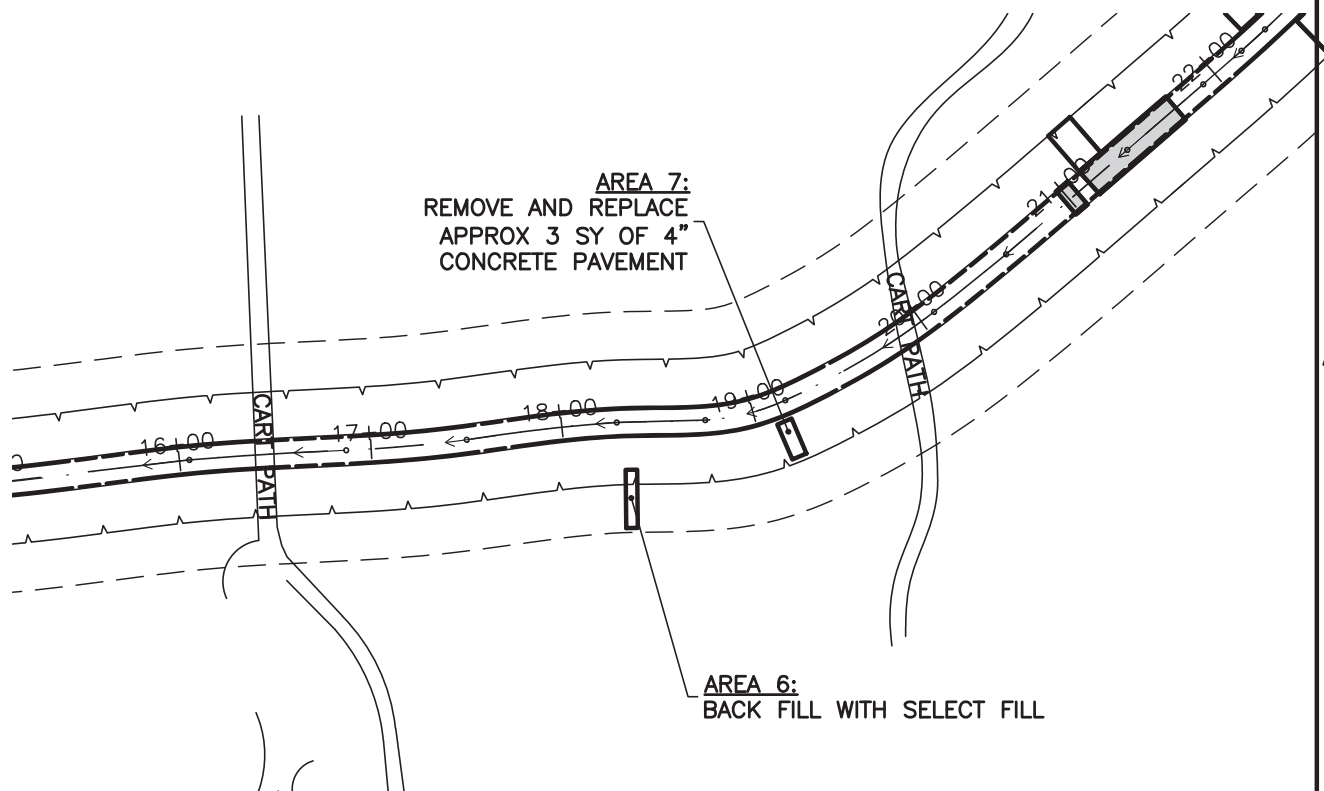
RESPONSE TO ADD INFO. REQ. LTR. - USACE SWG 2018-0075 SMC PROJ: 19003

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**SECTION "A-A"**

NTS



AREA 7:
REMOVE AND REPLACE
APPROX 3 SY OF 4"
CONCRETE PAVEMENT

AREA 6:
BACK FILL WITH SELECT FILL

WORK AREAS**AREA 6:**

TOTAL WORK	3 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	3 SY
LINEAR FEET OF CHANNEL/WORK AREA	6 LF


AREA 7:

TOTAL WORK	18 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	18 SY
LINEAR FEET OF CHANNEL/WORK AREA	8 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
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3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

 WORK BELOW OHWM
OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME: CHANNEL REPAIR PROJECT
LOCATED EAST OF IH45
2019

PROJECT NUMBER: 12192

PREPARED FOR: RIVER PLANTATION MUD

DATE: APRIL 02, 2019



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Plan View Work Zone
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RESPONSE TO ADD. INFO. REQUEST - USACE SWG 2018-0073 - SMC PROJ. 19003

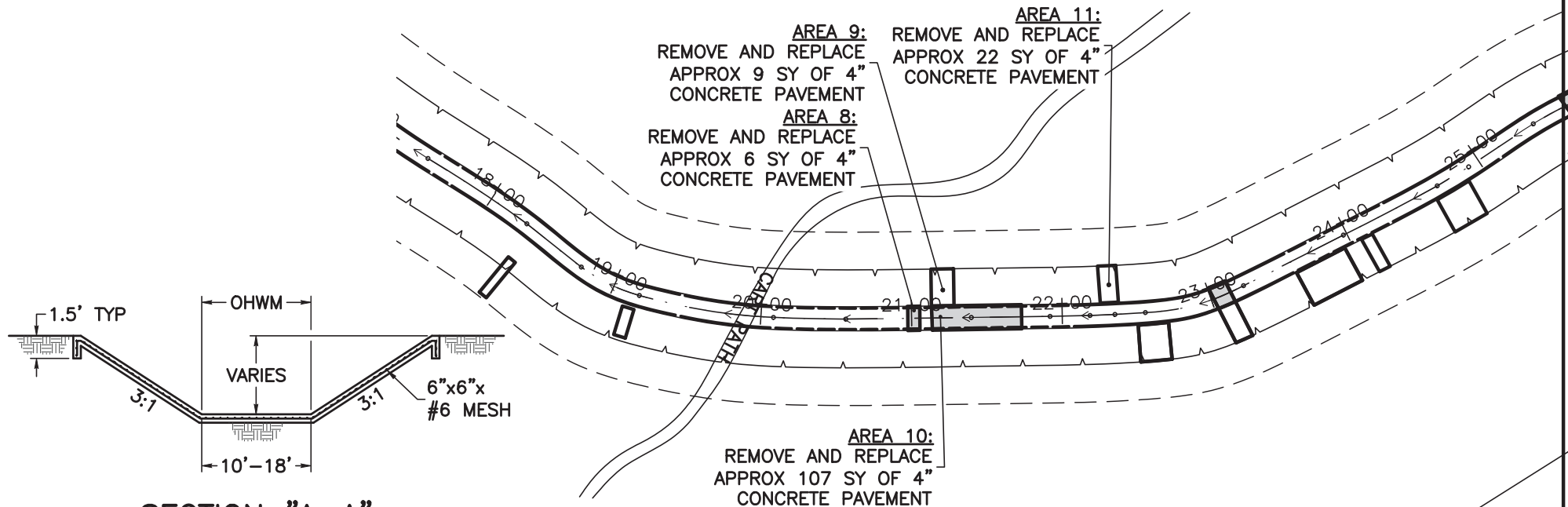
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ORIGINAL LAYOUT SIZE - 8.5X11

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ORIGINAL LAYOUT SIZE - 8.5X11



SECTION "A-A"

NTS

WORK AREAS

AREA 8:
TOTAL WORK 6 SY
IMPACT WORK 6 SY
NON-IMPACT WORK 0 SY
LINEAR FEET OF CHANNEL/WORK AREA 8 LF

AREA 9:
TOTAL WORK 41 SY
IMPACT WORK 0 SY
NON-IMPACT WORK 18 SY
LINEAR FEET OF CHANNEL/WORK AREA 15 LF


AREA 10:
TOTAL WORK 107 SY
IMPACT WORK 107 SY
NON-IMPACT WORK 0 SY
LINEAR FEET OF CHANNEL/WORK AREA 59 LF

AREA 11:
TOTAL WORK 22 SY
IMPACT WORK 0 SY
NON-IMPACT WORK 22 SY
LINEAR FEET OF CHANNEL/WORK AREA 12 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

 WORK BELOW OHWM
OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019



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Plan View Work Zone
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ORIGINAL LAYOUT SIZE - 8.5X11

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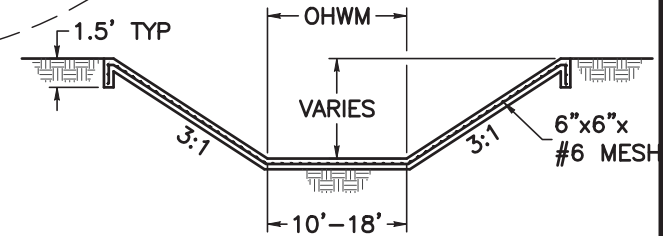
AREA 15:
REMOVE AND REPLACE
APPROX 18 SY OF 4"
CONCRETE PAVEMENT

AREA 16:
REMOVE AND REPLACE
APPROX 31 SY OF 4"
CONCRETE PAVEMENT

AREA 12:
REMOVE AND REPLACE
APPROX 28 SY OF 4"
CONCRETE PAVEMENT

AREA 13:
REMOVE AND REPLACE
APPROX 38 SY OF 4"
CONCRETE PAVEMENT

AREA 14:
REMOVE AND REPLACE
APPROX 64 SY OF 4"
CONCRETE PAVEMENT



SECTION "A-A"

NTS

WORK AREAS	
AREA 12:	
TOTAL WORK	28 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	56 SY
LINEAR FEET OF CHANNEL/WORK AREA	20 LF
AREA 13:	
TOTAL WORK	38 SY
IMPACT WORK	21 SY
NON-IMPACT WORK	17 SY
LINEAR FEET OF CHANNEL/WORK AREA	12 LF
AREA 14:	
TOTAL WORK	64 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	64 SY
LINEAR FEET OF CHANNEL/WORK AREA	36 LF

AREA 15:

TOTAL WORK	18 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	18 SY
LINEAR FEET OF CHANNEL/WORK AREA	8 LF


AREA 16:

TOTAL WORK	31 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	31 SY
LINEAR FEET OF CHANNEL/WORK AREA	25 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

 WORK BELOW OHWM
OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019



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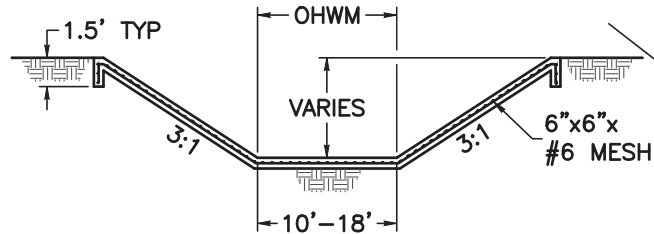
Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

RESPONSE TO ADD. INFO. REQUEST - USACE SWG 2018-00573 - SMC PROJ. 19003

Page 11 of 66

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ORIGINAL LAYOUT SIZE - 8.5X11

**SECTION "A-A"**

NTS

WORK AREAS**AREA 17.1:**

TOTAL WORK	38 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	38 SY
LINEAR FEET OF CHANNEL/WORK AREA	14 LF

AREA 17.2:

TOTAL WORK	80 SY
IMPACT WORK	80 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	45 LF

AREA 17.3:

TOTAL WORK	14 SY
IMPACT WORK	14 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	14 LF

AREA 18.1-18.2:

TOTAL WORK	88 SY
IMPACT WORK	69 SY
NON-IMPACT WORK	19 SY
LINEAR FEET OF CHANNEL/WORK AREA	50 LF

AREA 17.1-17.3:
REMOVE AND REPLACE
APPROX 132 SY OF 4"
CONCRETE PAVEMENT

AREA 19:
REMOVE AND REPLACE
APPROX 33 SY OF 4"
CONCRETE PAVEMENT

AREA 18.1-18.2:
REMOVE AND REPLACE
APPROX 88 SY OF 4"
CONCRETE PAVEMENT

CART PATH


AREA 19:

TOTAL WORK	33 SY
IMPACT WORK	33 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	22 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
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3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

 WORK BELOW OHWM
OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME:

CHANNEL REPAIR PROJECT
LOCATED EAST OF IH45
2019

PROJECT NUMBER:

12192

PREPARED FOR:

RIVER PLANTATION MUD

DATE:

APRIL 02, 2019

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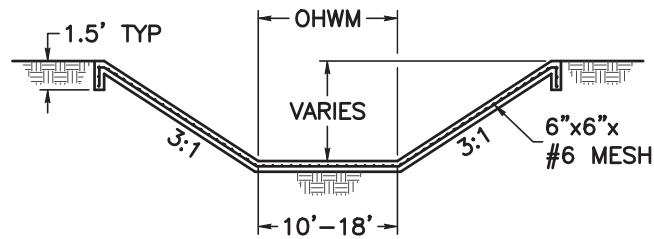
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Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
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ORIGINAL LAYOUT SIZE - 8.5X11

**SECTION "A-A"**

NTS

WORK AREAS**AREA 20:**

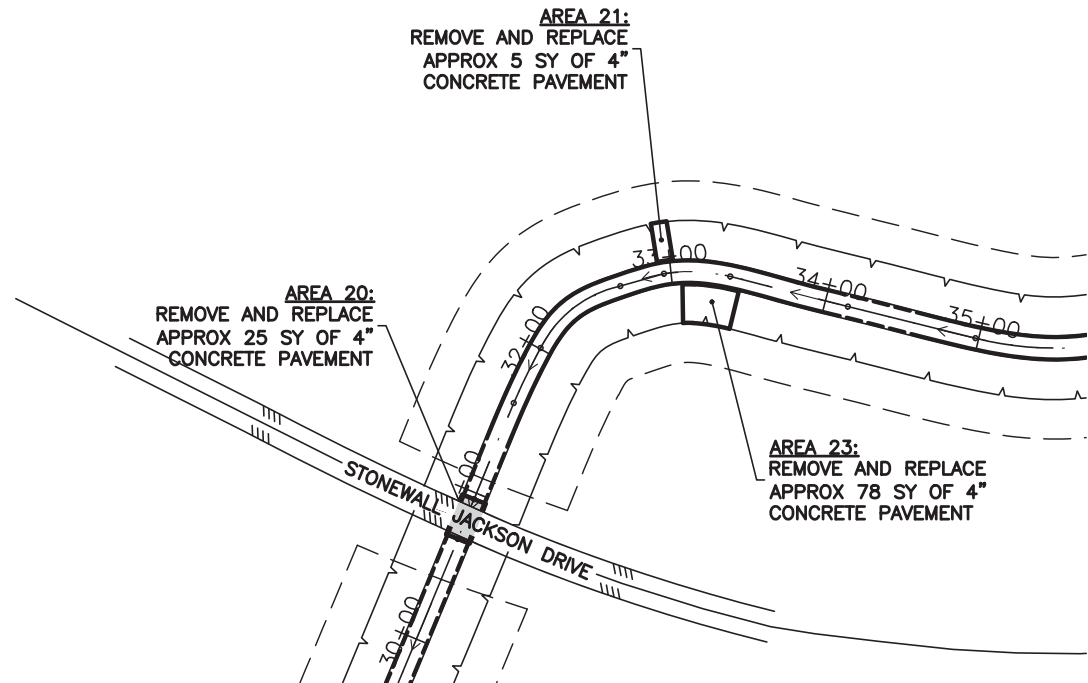
TOTAL WORK	25 SY
IMPACT WORK	25 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	27 LF

AREA 21:

TOTAL WORK	5 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	5 SY
LINEAR FEET OF CHANNEL/WORK AREA	10 LF

AREA 23:

TOTAL WORK	78 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	78 SY
LINEAR FEET OF CHANNEL/WORK AREA	36 LF

**NOTES:**

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019

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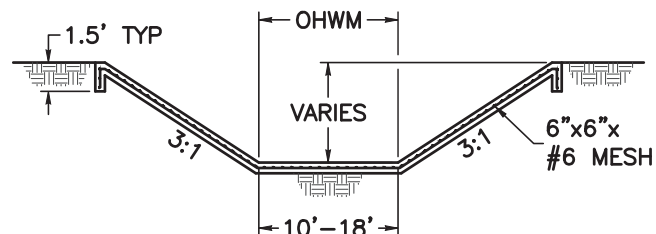
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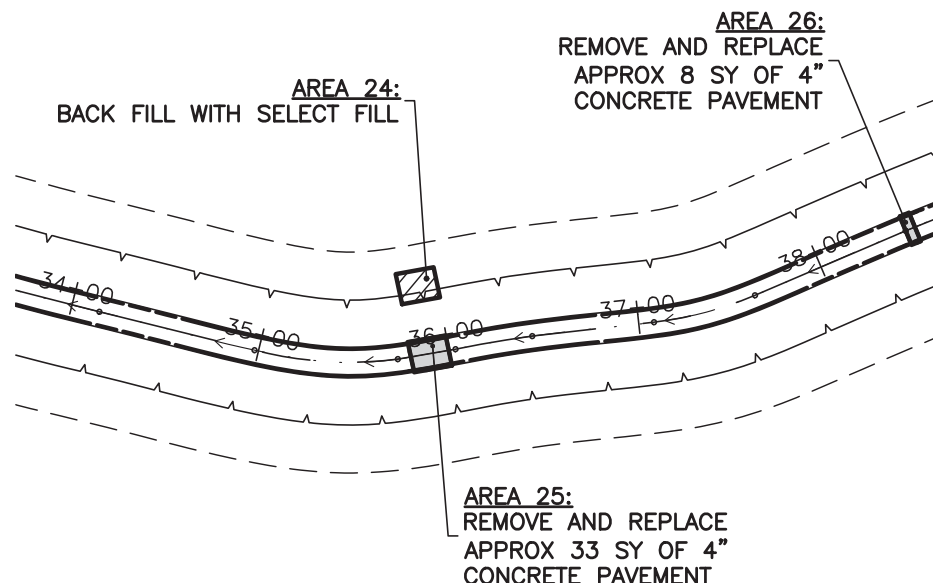
RESPONSE TO ADD INFO. REQ. LTR. - USACE SWG 2018-0075 SMC PROJ: 19003

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**SECTION "A-A"**

NTS

**WORK AREAS****AREA 24:**

TOTAL WORK	36 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	36 SY
LINEAR FEET OF CHANNEL/WORK AREA	20 LF

AREA 25:

TOTAL WORK	33 SY
IMPACT WORK	33 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	20 LF

AREA 26:

TOTAL WORK	8 SY
IMPACT WORK	8 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	5 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

	WORK BELOW OHWM
	OHWM = ORDINARY HIGH WATER MARK
	SELECT FILL BACKFILL



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019



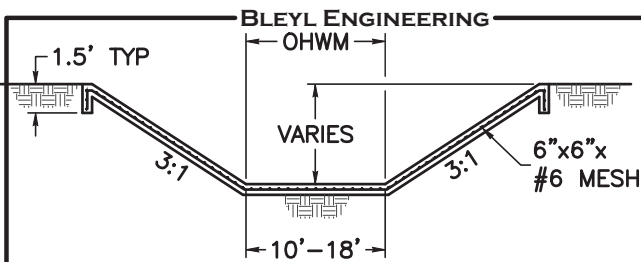
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ORIGINAL LAYOUT SIZE - 8.5X11

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**SECTION "A-A"**

NTS

WORK AREAS**AREA 12:**

TOTAL WORK
IMPACT WORK
NON-IMPACT WORK
LINEAR FEET OF CHANNEL/WORK AREA

28 SY
0 SY
28 SY
15 LF

AREA 13:

TOTAL WORK
IMPACT WORK
NON-IMPACT WORK
LINEAR FEET OF CHANNEL/WORK AREA

160 SY
0 SY
160 SY
80 LF

AREA 14:

TOTAL WORK
IMPACT WORK
NON-IMPACT WORK
LINEAR FEET OF CHANNEL/WORK AREA

67 SY
0 SY
67 SY
31 LF

AREA 30.1-30.2:

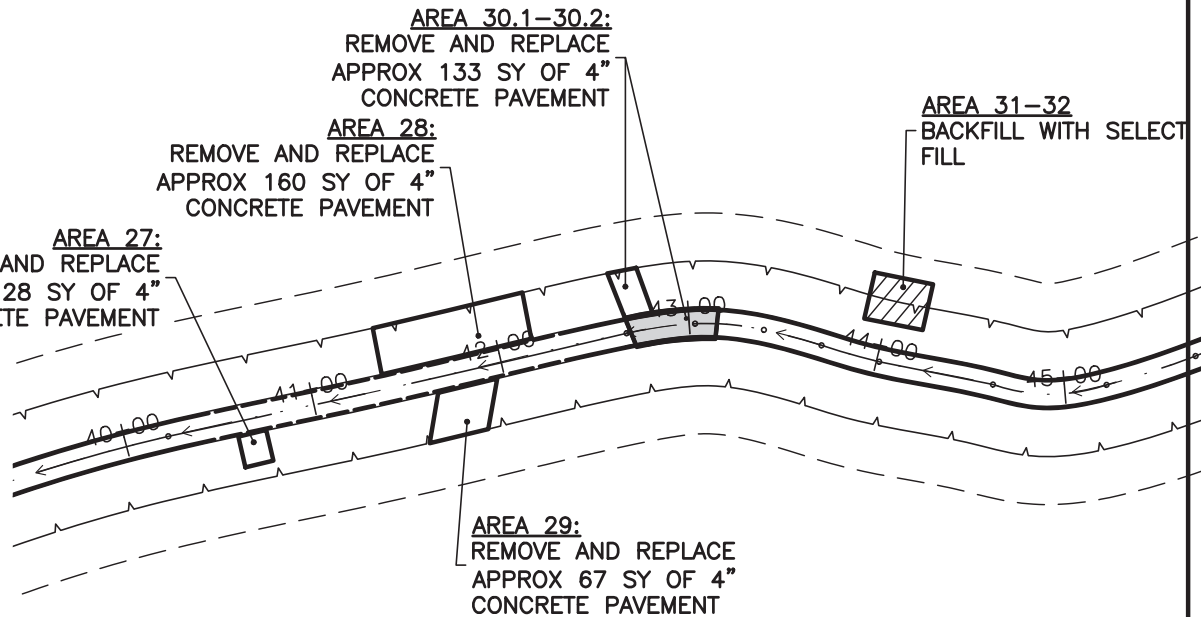
TOTAL WORK
IMPACT WORK
NON-IMPACT WORK
LINEAR FEET OF CHANNEL/WORK AREA

133 SY
80 SY
53 SY
54 LF

AREA 31-32:



TOTAL WORK
IMPACT WORK
NON-IMPACT WORK
LINEAR FEET OF CHANNEL/WORK AREA

85 SY
0 SY
0 SY
32 LF

**NOTES:**

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

-  WORK BELOW OHWM
- OHWM = ORDINARY HIGH WATER MARK
-  SELECT FILL BACKFILL



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019

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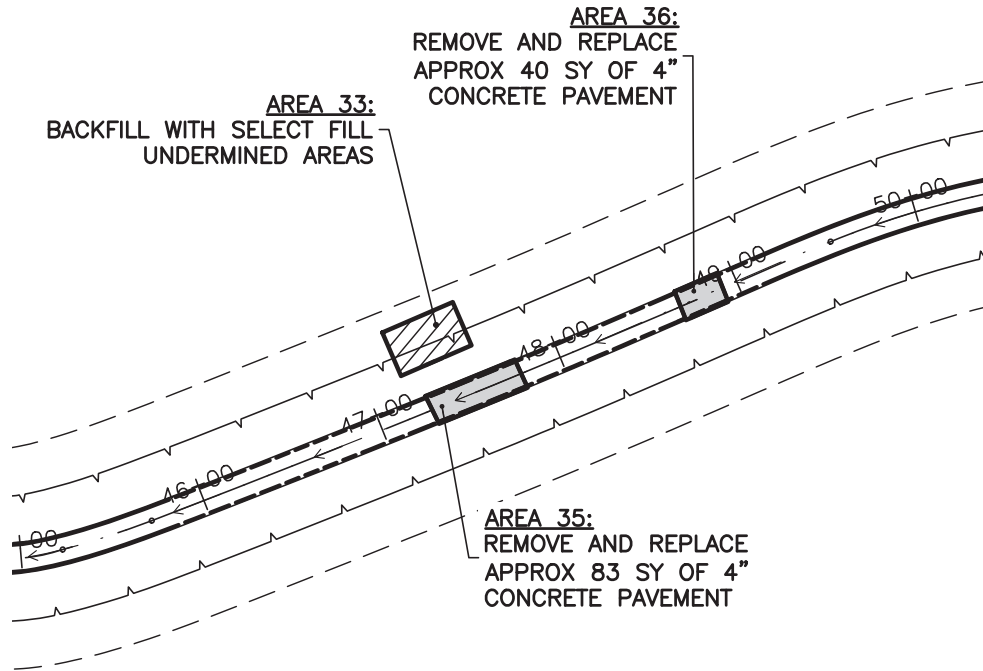
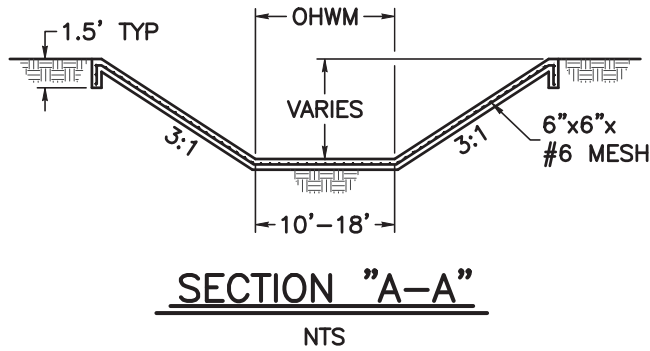
TEXAS FIRM REGISTRATION NO. F-678
USACE SWG 2018-00573 SMC PROJ. 19003
WWW.BLEYLEENGINEERING.COM

Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

100 NUGENT STREET,
CONROE TEXAS 77301
PHONE 936-441-7833

BLEYL ENGINEERING

ORIGINAL LAYOUT SIZE - 8.5X11

**WORK AREAS****AREA 33:**

TOTAL WORK	109 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	109 SY
LINEAR FEET OF CHANNEL/WORK AREA	40 LF

AREA 35:

TOTAL WORK	0 SY
IMPACT WORK	83 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	50 LF


AREA 36:

TOTAL WORK	0 SY
IMPACT WORK	40 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	24 LF


NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

 WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK

 SELECT FILL BACKFILL



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019

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Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

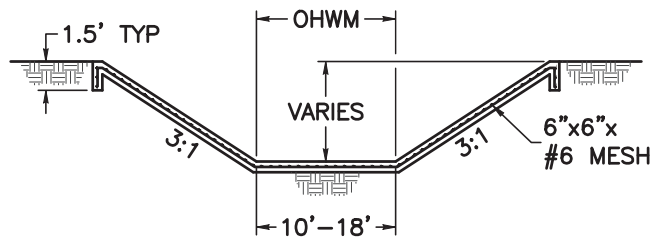
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CONROE TEXAS 77301
PHONE 936-441-7833

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RESPONSE TO ADD INFO. REQ. LTR. - USACE SWG 2018-0075 SMC PROJ: 19003

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BLEYL ENGINEERING



SECTION "A-A"

NTS

WORK AREAS

AREA 37:

TOTAL WORK	44 SY
IMPACT WORK	44 SY
NON-IMPACT WORK	SY
LINEAR FEET OF CHANNEL/WORK AREA	25 LF

AREA 38:

TOTAL WORK	27 SY
IMPACT WORK	27 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	16 LF

AREA 39:

TOTAL WORK	25 SY
IMPACT WORK	25 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	15 LF

AREA 37:
REMOVE AND REPLACE
APPROX 42 SY OF 4"
CONCRETE PAVEMENT

AREA 38:
REMOVE AND REPLACE
APPROX 27 SY OF 4"
CONCRETE PAVEMENT

AREA 39:
REMOVE AND REPLACE
APPROX 25 SY OF 4"
CONCRETE PAVEMENT

AREA 40:
REMOVE AND REPLACE
APPROX 21 SY OF 4"
CONCRETE PAVEMENT

AREA 41:
REMOVE AND REPLACE
APPROX 9 SY OF 4"
CONCRETE PAVEMENT

AREA 40:

TOTAL WORK	21 SY
IMPACT WORK	9 SY
NON-IMPACT WORK	12 SY
LINEAR FEET OF CHANNEL/WORK AREA	15 LF

AREA 41:

TOTAL WORK	9 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	9 SY
LINEAR FEET OF CHANNEL/WORK AREA	8 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND



WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME: CHANNEL REPAIR PROJECT
LOCATED EAST OF IH45
2019

PROJECT NUMBER: 12192

PREPARED FOR: RIVER PLANTATION MUD

DATE: APRIL 02, 2019



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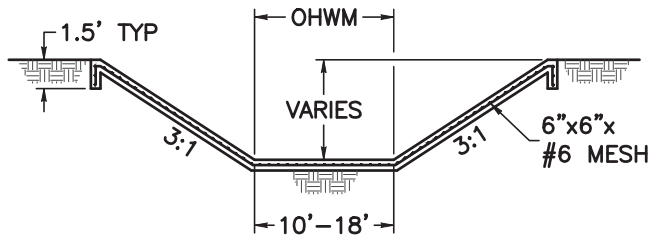
Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

100 NUGENT STREET,
CONROE TEXAS 77301
PHONE 936-441-7833

BLEYL ENGINEERING

ORIGINAL LAYOUT SIZE - 8.5X11

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SECTION "A-A"

NTS

WORK AREAS

AREA 42:

TOTAL WORK	20 SY
IMPACT WORK	20 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	12 LF

AREA 43:

TOTAL WORK	33 SY
IMPACT WORK	33 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	20 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND



WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK

AREA 42:
REMOVE AND REPLACE
APPROX 20 SY OF 4"
CONCRETE PAVEMENT

AREA 43:
REMOVE AND REPLACE
APPROX 33 SY OF 4"
CONCRETE PAVEMENT



0 50 100
SCALE: 1" = 100'

PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019
PROJECT NUMBER:	12192
PREPARED FOR:	RIVER PLANTATION MUD
DATE:	APRIL 02, 2019

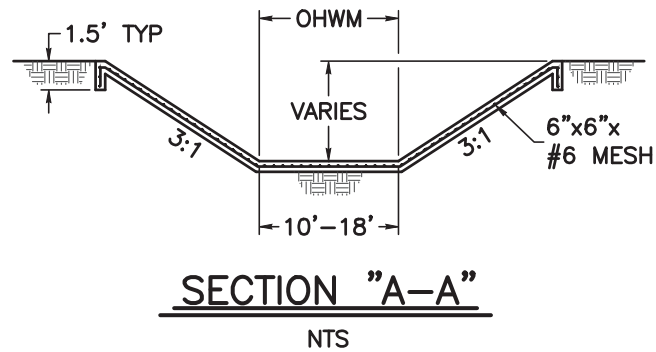


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Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

100 NUGENT STREET,
CONROE TEXAS 77301
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AREA 46:
REMOVE AND REPLACE
APPROX 33 SY OF 4"
CONCRETE PAVEMENT

AREA 44-44.5:
REMOVE AND REPLACE
APPROX 70 SY OF 4"
CONCRETE PAVEMENT

WORK AREAS**AREA 44:**

TOTAL WORK	39 SY
IMPACT WORK	39 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	22 LF

AREA 44.5:

TOTAL WORK	54 SY
IMPACT WORK	54 SY
NON-IMPACT WORK	0 SY
LINEAR FEET OF CHANNEL/WORK AREA	30 LF

AREA 46:

TOTAL WORK	41 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	41 SY
LINEAR FEET OF CHANNEL/WORK AREA	15 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
2. ALL CALCULATIONS USE HIGH BANK AS OUTBOARD CHANNEL LIMITS.
3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

WORK BELOW OHWM

OHWM = ORDINARY HIGH WATER MARK



0 50 100
SCALE: 1" = 100'

PROJECT NAME: CHANNEL REPAIR PROJECT
LOCATED EAST OF IH45
2019

PROJECT NUMBER: 12192

PREPARED FOR: RIVER PLANTATION MUD

DATE: APRIL 02, 2019

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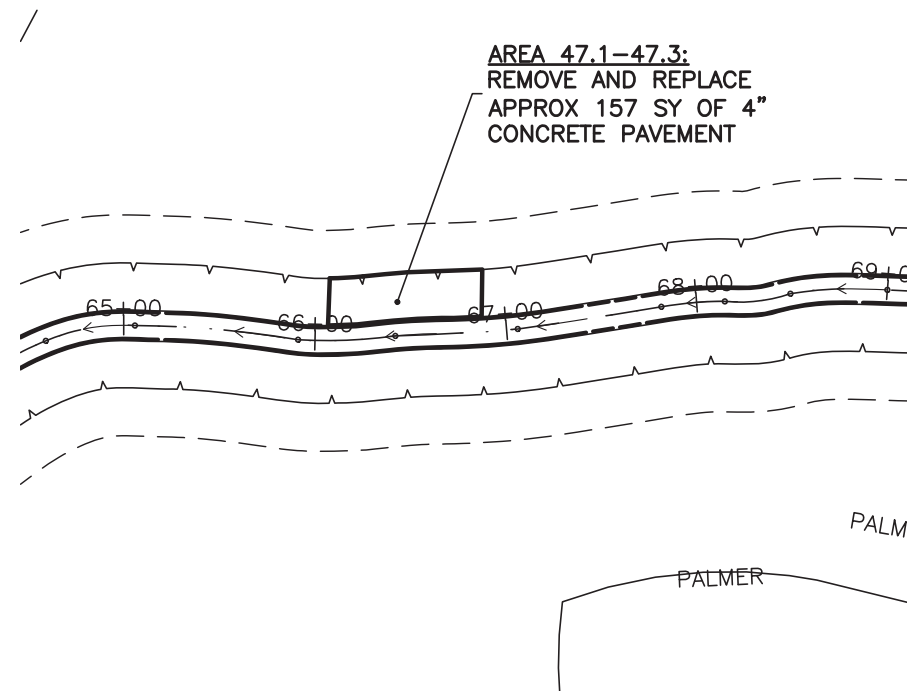
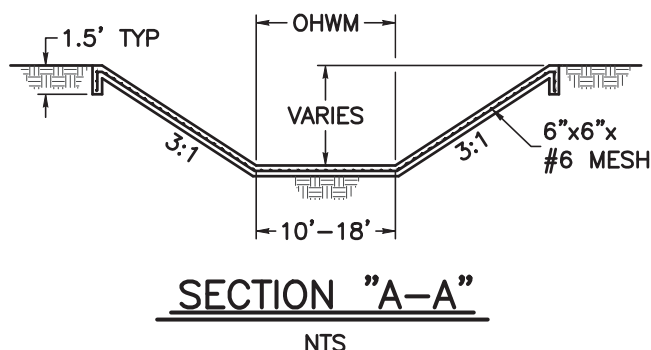
Plan View Work Zone
Channelized Tributary of West Fork San Jacinto River
Conroe, Montgomery County, Tx.

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PHONE 936-441-7833

BLEYL ENGINEERING

ORIGINAL LAYOUT SIZE - 8.5X11

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WORK AREAS


AREA 47.1-47.3:

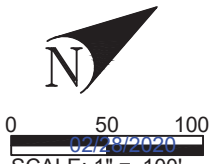
TOTAL WORK	157 SY
IMPACT WORK	0 SY
NON-IMPACT WORK	157 SY
LINEAR FEET OF CHANNEL/WORK AREA	80 LF

NOTES:

1. DRAWINGS DEPICT FINAL DESIGN.
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3. HIGH BANK CALCULATIONS FOR CUT & FILL WERE USED TO ESTIMATE CUT & FILL BELOW THE OHWM.
4. EXISTING OHWM MAPPED USING GPS.

LEGEND

 WORK BELOW OHWM
OHWM = ORDINARY HIGH WATER MARK

	PROJECT NAME:	CHANNEL REPAIR PROJECT LOCATED EAST OF IH45 2019	<p align="center">Plan View Work Zone Channelized Tributary of West Fork San Jacinto River Conroe, Montgomery County, Tx.</p>	<p align="center">BLEYL ENGINEERING TEXAS FIRM REGISTRATION NO. E-678 WWW.BLEYLENGINEERING.COM</p>	<p align="center">100 NUGENT STREET, CONROE TEXAS 77301 PHONE 936-441-7833</p>
	PROJECT NUMBER:	12192			
	PREPARED FOR:	RIVER PLANTATION MUD			
	DATE:	APRIL 02, 2019			

RESPONSE TO ADD INFO. REQ. LTR. - USACE SWG 2018-0075 SMC PROJ: 19003

Bing Aerial Current



West Fork San Jacinto River

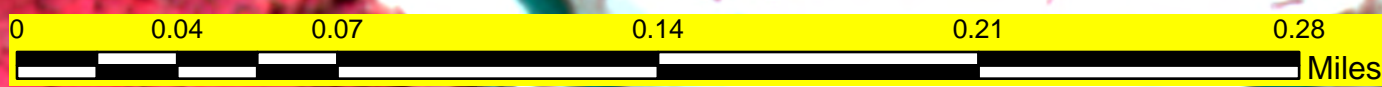
West Fork
San
Jacinto
River

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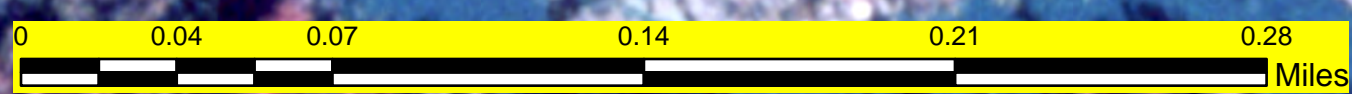
Aerial 2008



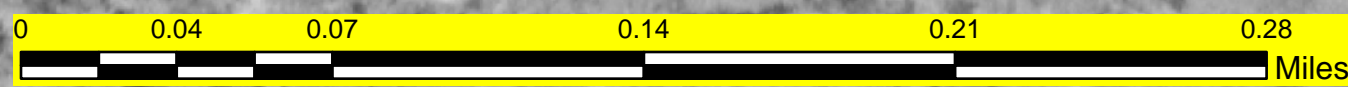
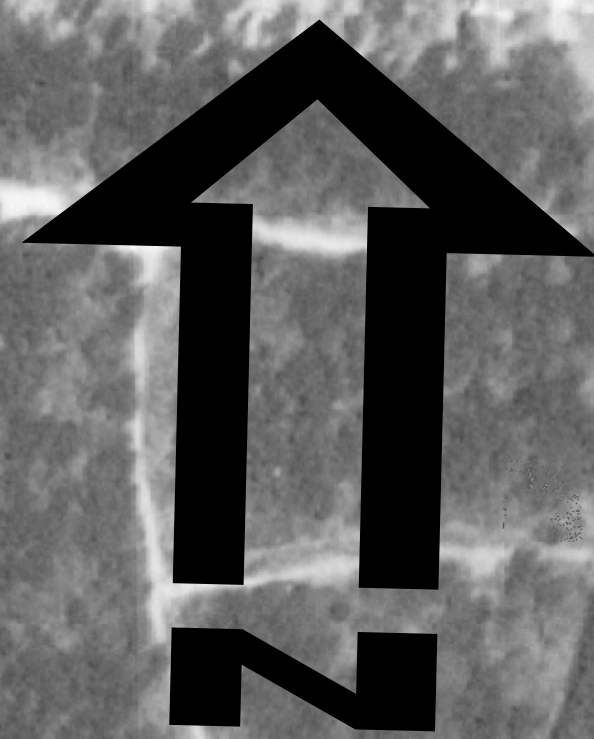
Aerial 2004



Aerial 1996



Aerial 1979



Aerial 1971

