

JOINT PUBLIC NOTICE

24 July 2017

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
7400 Leake Avenue
New Orleans, Louisiana 70118

(504) 862-2279
kara.vick@usace.army.mil
Project Manager
Kara Vick
Permit Application Number
MVN 2017-00729-EV

State of Louisiana
Department of Environmental Quality
ATTN: Water Quality Certifications
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3225
Project Manager
Elizabeth Hill
WQC Application Number
WQC 170710-03

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

BANK STABILIZATION in TANGIPAHOA PARISH

NAME OF APPLICANT: Tangipahoa Consolidated Gravity Drainage District, ATTN: Hydrik, Mr. Mike Henry, at 2323 Highway 190 East, Suite 2, Hammond, Louisiana 70401.

LOCATION OF WORK: Located at four different locations on Pontchatoula Creek in Tickfaw and Hammond, in Tangipahoa Parish, as shown on the attached drawings.

HUC: 08090205; Tangipahoa River

CHARACTER OF WORK: Erosion repair, bank stabilization, sheet pile placement, and culvert placement at four individual sites along Pontchatoula Creek in Tickfaw and Hammond, Louisiana, in Tangipahoa Parish. This project will result in a total of 0.15 acres of fill within the ordinary high water mark of Ponchatoula Creek.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close 20 days from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name

and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, ATTENTION: REGULATORY BRANCH. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above. Individuals or parties may request an extension of time in which to comment on the proposed work by writing or e-mailing the Corps of Engineers Project Manager listed above. Any request must be specific and substantively supportive of the requested extension, and received by this office prior to the end of the initial comment period. The Section Chief will review the request and the requestor will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous to the initial comment period and, inclusive of the initial comment period, will not exceed a total of 30 calendar days.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Issuance of this public notice solicits input from the State Archeologist and State Historic Preservation Officer regarding potential impacts to cultural resources.

Our initial finding is that the proposed work would neither affect any species listed as endangered, nor habitat designated as critical to the survival and recovery of species listed as endangered by the U.S. Department of Commerce.

Utilizing Standard Local Operating Procedure for Endangered Species in Louisiana (SLOPES), dated October 22, 2014, between the U.S. Army Corps of Engineers, New Orleans and U.S. Fish and

Wildlife Service, Ecological Services Office, the Corps has determined that the proposed activity would have no effect on any listed species nor affect any habitat designated as critical to the survival and recovery of any endangered species of concern to the USFW.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of N/A acre of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

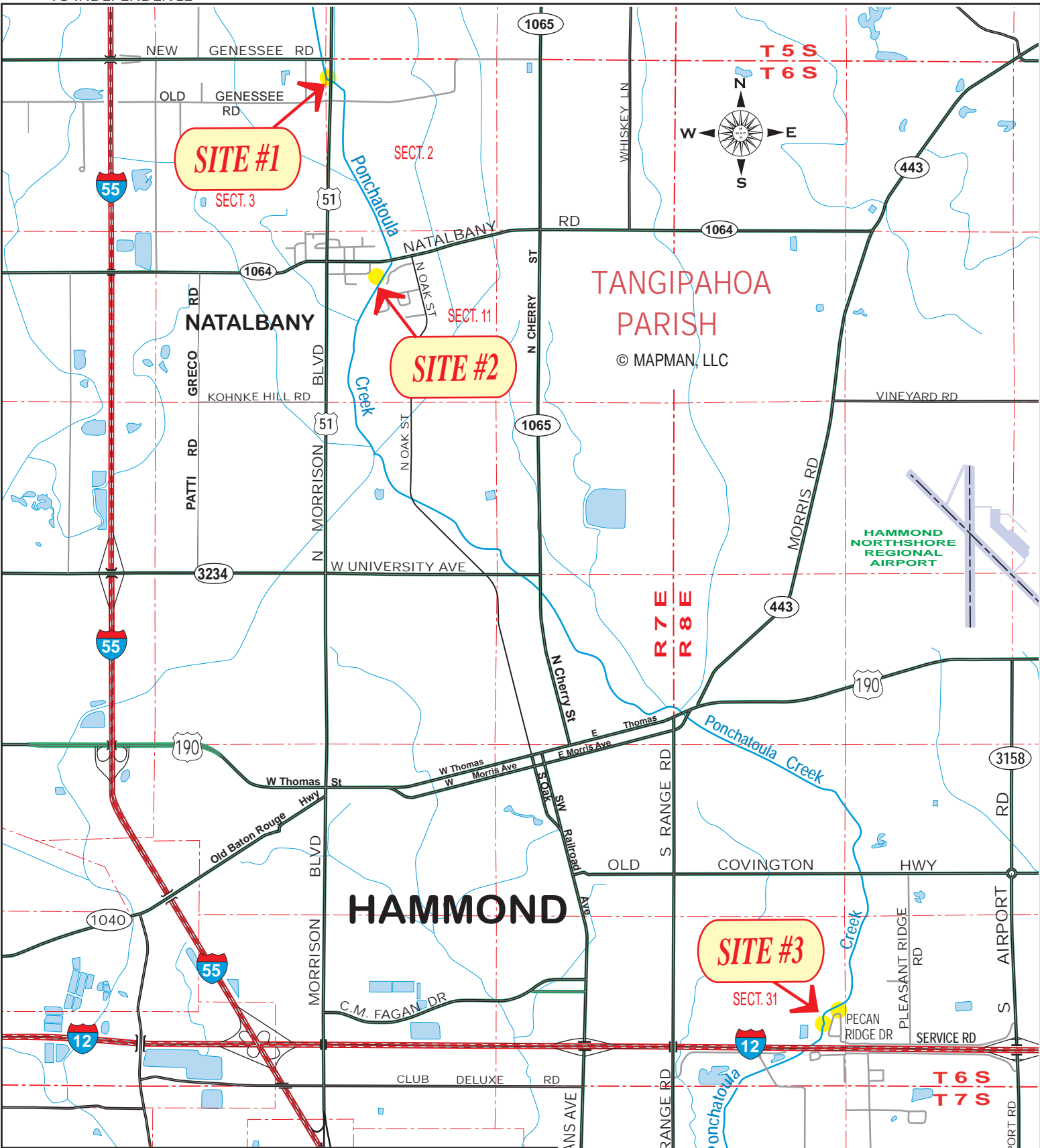
If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Michael V. Farabee
Chief, Eastern Evaluation Section

Enclosure



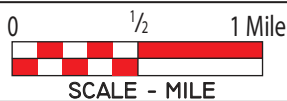
TO ALBANY

TO ROBERT

APPLICANT:
SPANGLER ENGINEERING, LLC

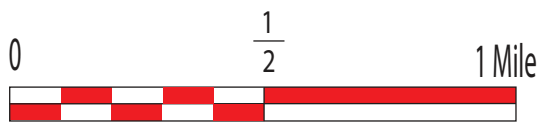
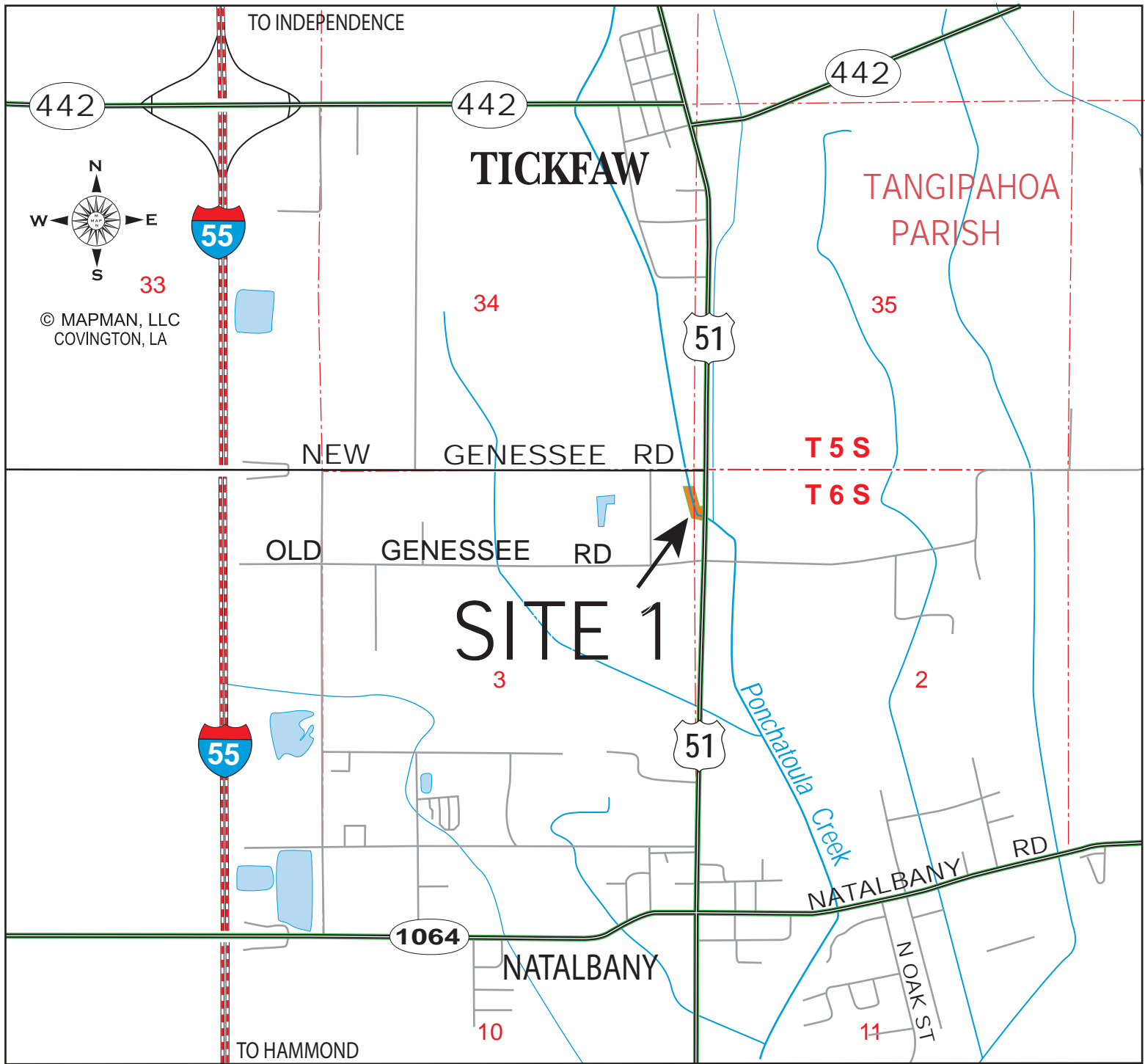
VICINITY MAP OF VARIOUS SITES ALONG
PONCHATOULA CREEK
 FOR
BANK IMPROVEMENTS & STABILIZATION
TANGIPAHOA PARISH, LA

● = SITE LOCATION



HYDRIK
 WETLANDS - GIS - FLOOD CONTROL
 WWW.HYDRIK.COM (985)429-0333

FIGURE
1



SCALE - MILE

SITE #1



WETLANDS - GIS - FLOOD CONTROL
WWW.HYDRIK.COM (985)429-0333

CONSOLIDATED GRAVITY
DISTRICT NO. 1 OFFICE SITE
PONCHATOULA CREEK
SECTIONS 2 & 3, T6S-R7E
TANGIPAHOA PARISH, LA

APPLICANT:
SPANGLER ENGINEERING, LLC

FIGURE
1A

HF: 1693 BC | DATE: 4-26-2017 | APPROVED:

30.56256 N
-90.48350 W

NEW GENESSEE ROAD (SIDE)

30.56262 N
-90.48313 W

LEGEND

x 39.0

ELEVATION



PROPOSED DRAIN INLET W/ 15" RCP



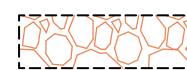
TOP OF BANK - EXISTING



CLEARING & DEMOLITION AREA



PROPOSED PZ-40 SHEET PILE
325 LIN. FT.



LIMESTONE (100#, 24" THICK,
TOTAL = 1917 CUBIC YARDS)
ABOVE GEOTEXTILE FABRIC



AREA TO BE FILLED = 1,202 SQ. FT.

NOTES:

TOTAL FOOTAGE OF SITE #1 PROJECT
= 500 LINEAR FEET

TOTAL AREA = 1.78 +/- ACRE

TOTAL VOLUME OF MATERIAL TO
BE EXCAVATED = 4,083 CUBIC YARDS

THIS SITE IS LOCATED IN FLOOD ZONE "AE"
PER FEMA FLOOD INSURANCE RATE MAPS
COMMUNITY NO. 220206, MAP NUMBER:
22105C0340 F, DATED 7-22-2010.
BASE FLOOD ELEV. = 56'

Base Drawings Provided By:

SPANGLER ENGINEERING, LLC
HAMMOND, LA

TANGIPAHOA PARISH
PO BOX 215
AMITE, LA 70422

RECREATIONAL FIELDS

FOREST

LIMITS OF CONSTRUCTION

BANK

PROPOSED 70 CUBIC YARDS

PROPOSED 70 CUBIC YARDS

PROPOSED 70 CUBIC YARDS

PROPOSED 70 CUBIC YARDS

PROPOSED 70 CUBIC YARDS



GRAPHIC SCALE

PONCHATOULA CREEK

BANK IMPROVEMENTS & STABILIZATION

CONSOLIDATED GRAVITY
DISTRICT NO. 1 OFFICE SITE
PONCHATOULA CREEK
SECTIONS 2 & 3, T6S-R7E
TANGIPAHOA PARISH, LA

APPLICANT:

SPANGLER ENGINEERING, LLC



HYDRIK

WETLANDS - GIS - FLOOD CONTROL
WWW.HYDRIK.COM (985)429-0333

FIVE L PROPERTIES, LLC
1284 N MARKET ST
SHREVEPORT, LA
71107

FOREST

COMMERCIAL USE

LIMITS OF CONSTRUCTION

U.S. HWY 51
N MORRISON BLVD

30.56138 N
-90.48256 W

BEGIN PROJECT

SITE #1

FIGURE
1B

LEGEND








TANGIPAOHA PARISH
PO BOX 215
AMITE, LA 70422



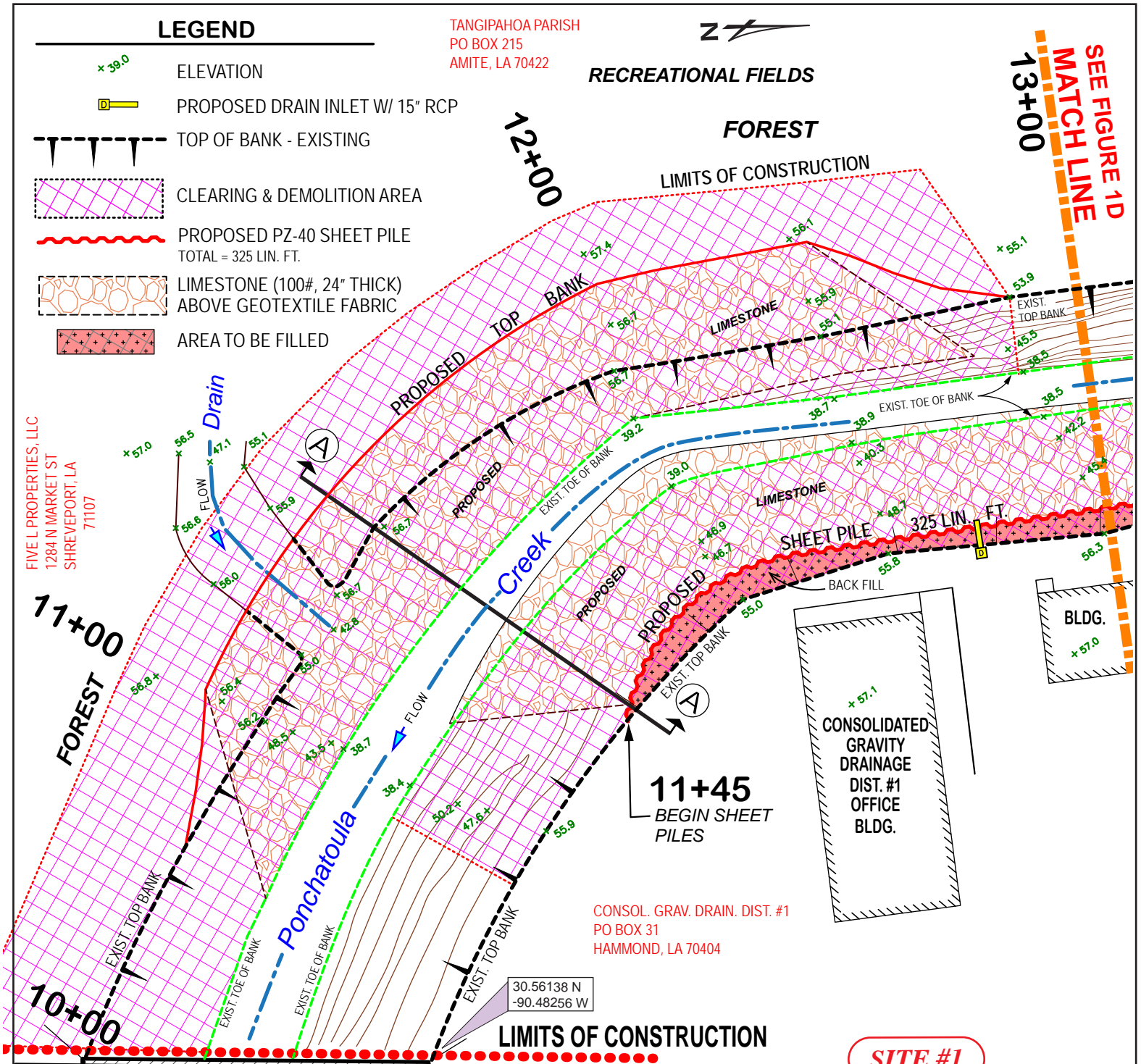
RECREATIONAL FIELDS

FOREST

SEE FIGURE 1D
MATCH LINE
13+00

-  ELEVATION
-  PROPOSED DRAIN INLET W/ 15" RCP
-  TOP OF BANK - EXISTING
-  CLEARING & DEMOLITION AREA
-  PROPOSED PZ-40 SHEET PILE
TOTAL = 325 LIN. FT.
-  LIMESTONE (100#, 24" THICK)
ABOVE GEOTEXTILE FABRIC
-  AREA TO BE FILLED

FIVE L PROPERTIES, LLC
1284 N MARKET ST
SHREVEPORT, LA
71107



11+00
FOREST

10+00

LIMITS OF CONSTRUCTION

CONSOL. GRAV. DRAIN. DIST. #1
PO BOX 31
HAMMOND, LA 70404

CONSOLIDATED
GRAVITY
DRAINAGE
DIST. #1
OFFICE
BLDG.

BLDG.
+57.0

11+45
BEGIN SHEET
PILES

30.56138 N
-90.48256 W

← TO
HAMMOND

BRIDGE

U.S. HWY 51
N MORRISON BLVD

BEGIN
PROJECT

SITE #1

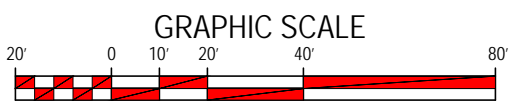
**PONCHATOULA CREEK
BANK IMPROVEMENTS & STABILIZATION**



HYDRIK
WETLANDS - GIS - FLOOD CONTROL
WWW.HYDRIK.COM (985)429-0333

NOTES:

TOTAL FOOTAGE OF PROJECT
= 500 LINEAR FEET
TOTAL AREA = 1.10 +/- ACRE



CONSOLIDATED GRAVITY
DISTRICT NO. 1 OFFICE SITE
PONCHATOULA CREEK
SECTIONS 2 & 3, T6S-R7E
TANGIPAOHA PARISH, LA

APPLICANT:
SPANGLER ENGINEERING, LLC

**FIGURE
1C**

PLEASE NOTE: MAP DATA IS FOR REFERENCE ONLY. THIS IS NOT A LEGAL SURVEY AND SHOULD NOT BE USED AS SUCH.

LEGEND

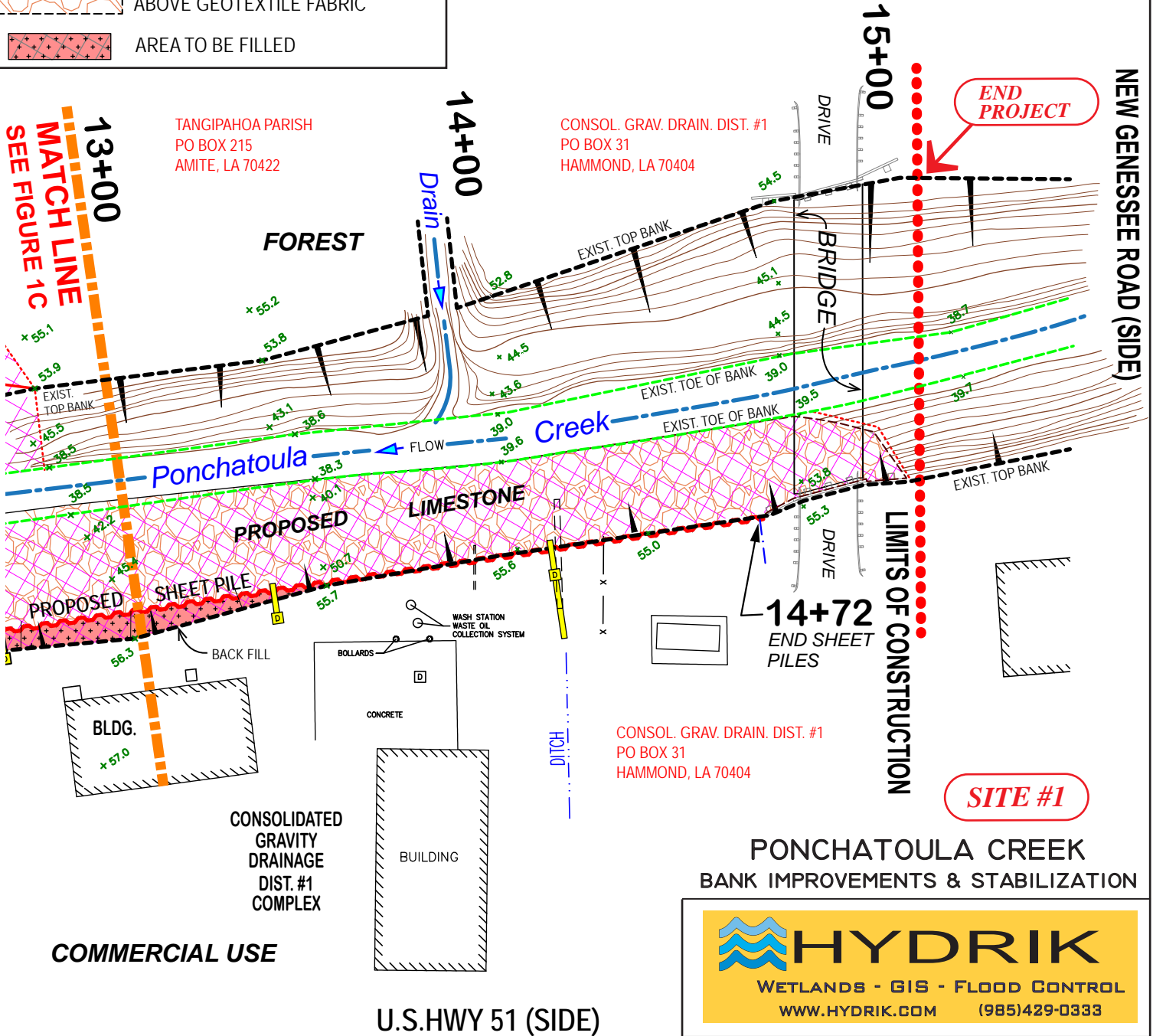
- ELEVATION
- PROPOSED DRAIN INLET W/ 15" RCP
- TOP OF BANK - EXISTING
- CLEARING & DEMOLITION AREA
- PROPOSED PZ-40 SHEET PILE
TOTAL = 325 LIN. FT.
- LIMESTONE (100#, 24" THICK)
ABOVE GEOTEXTILE FABRIC
- AREA TO BE FILLED



Base Drawings Provided By:
SPANGLER ENGINEERING, LLC
HAMMOND, LA

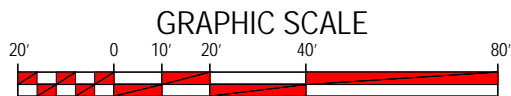
NOTES:

TOTAL FOOTAGE OF PROJECT
= 500 LINEAR FEET
TOTAL AREA = 1.10 +/- ACRE



COMMERCIAL USE

U.S. HWY 51 (SIDE)



**PONCHATOULA CREEK
BANK IMPROVEMENTS & STABILIZATION**

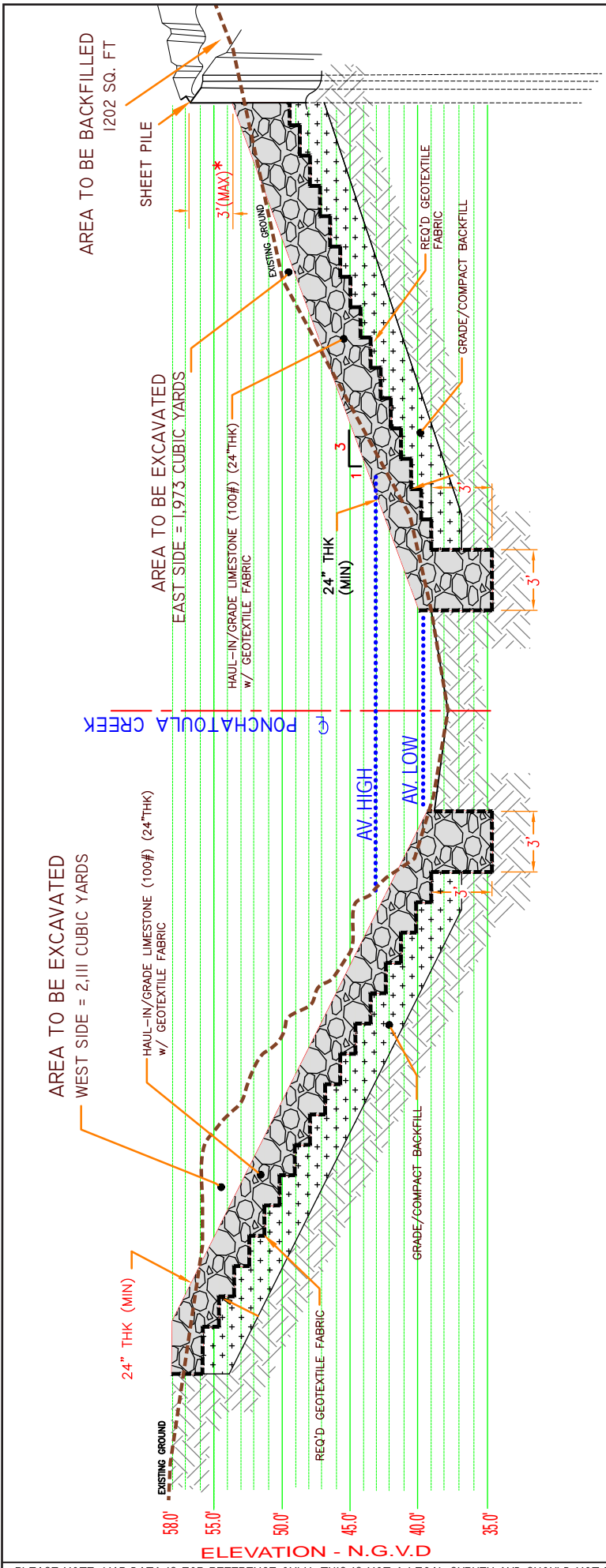


WETLANDS - GIS - FLOOD CONTROL
WWW.HYDRIK.COM (985)429-0333

CONSOLIDATED GRAVITY
DISTRICT NO. 1 OFFICE SITE
PONCHATOULA CREEK
SECTIONS 2 & 3, T6S-R7E
TANGIPAHOA PARISH, LA

**FIGURE
1D**

APPLICANT:
SPANGLER ENGINEERING, LLC



* THE MAXIMUM DISTANCE FROM TOP OF SHEET PILE TO TOP GRADE OF RIP RAP SHALL NOT EXCEED THREE FEET AT ANY GIVEN LOCATION.

PONCHATOULA CREEK PROFILE
 STATION 11+48
 NOT TO SCALE

PONCHATOULA CREEK
 BANK IMPROVEMENTS & STABILIZATION

SITE 1 - PROFILE A-A



CONSOLIDATED GRAVITY DISTRICT NO. 1 OFFICE SITE
 PONCHATOULA CREEK SECTIONS 2 & 3, T6S-R7E
 TANGIPAHOA PARISH, LA

FIGURE 1E

APPLICANT:
SPANGLER ENGINEERING, LLC

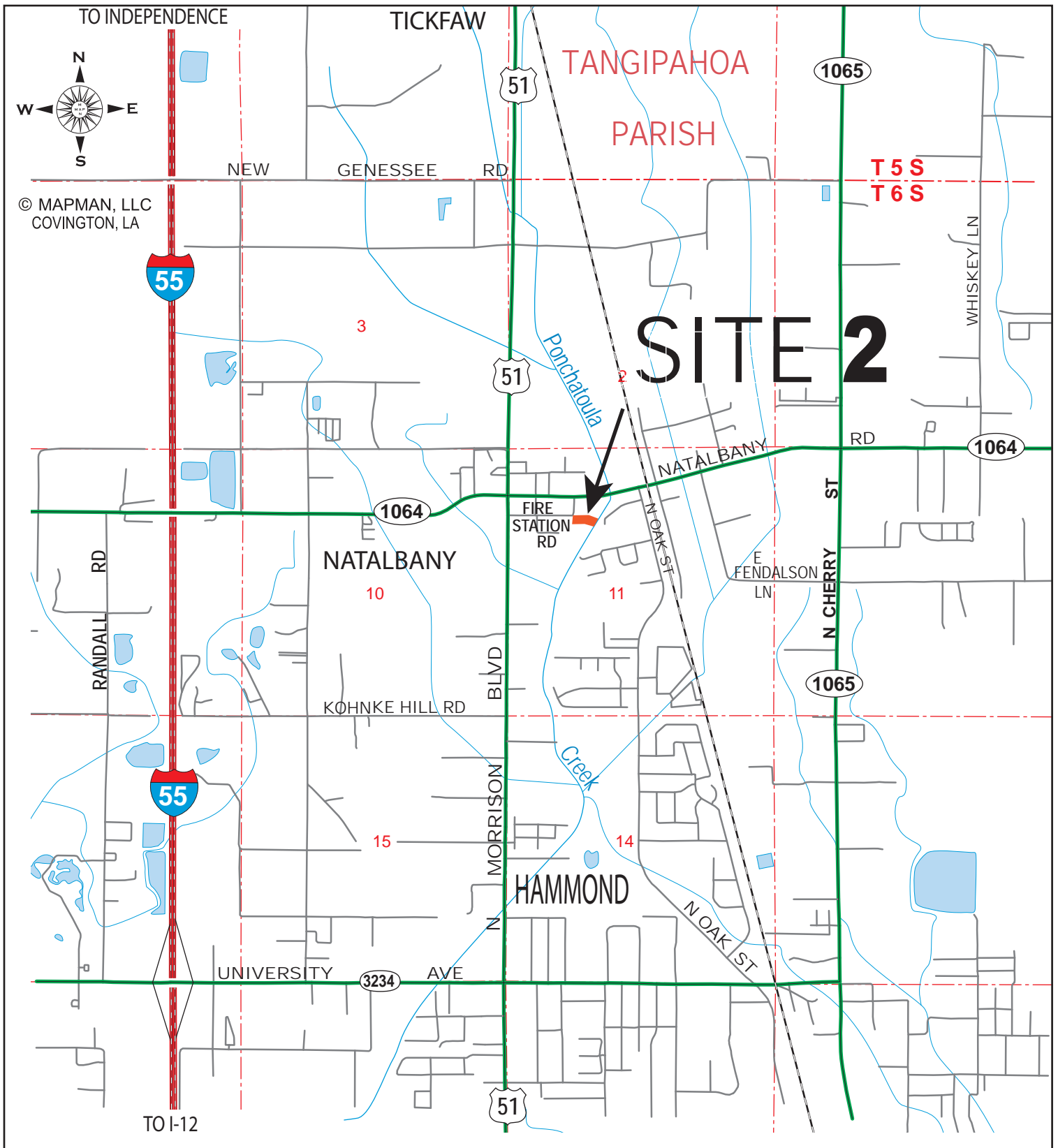
HF: 1693 BC | DATE: 4-27-2017 | APPROVED:

LEGEND

- REQ'D HAUL-IN/GRADE/COMPACT BACKFILL
- REQ'D LIMESTONE (100#, 24" THK)
- EXISTING GRADE
- REQ'D GEOTEXTILE FABRIC

NOTE:
 TOTAL VOLUME OF MATERIAL TO BE EXCAVATED = 4,083 CUBIC YARDS

PLEASE NOTE: MAP DATA IS FOR REFERENCE ONLY. THIS IS NOT A LEGAL SURVEY AND SHOULD NOT BE USED AS SUCH.

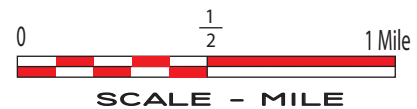


NATALBANY, LA
 FIRE STATION ROAD LATERAL DITCH
 LEADING INTO THE PONCHATOULA CREEK
 SECTION II, T6S-R7E, TANGIPAHOA PARISH, LA



APPLICANT: **SPANGLER ENGINEERING, LLC**

SITE COORDINATES
 30.54483 N, -90.47884 W



**FIGURE
 2A**

PLEASE NOTE: MAP DATA IS FOR REFERENCE ONLY. THIS IS NOT A LEGAL SURVEY AND SHOULD NOT BE USED AS SUCH.

HF: 1693 BC DATE 5-01-2017 APPROVED:

MARY HAYNES
P.O. BOX 883
NATALBANY, LA 70451














THIS SITE IS LOCATED IN FLOOD ZONES "AE" & "X"
PER FEMA FLOOD INSURANCE RATE MAPS
COMMUNITY NO. 220206, MAP NUMBER:
22105C0340 F, DATED 7-22-2010.
BASE FLOOD ELEV. = 46'

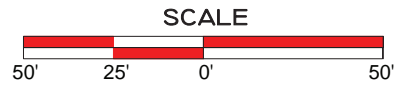
TOTAL PROJECT AREA = 0.206 ACRE

END PROJECT

OUTFALL PIPE
30°32'40.47" N
-90°28'38.13 W

LEGEND:

-  AREA TO BE EXCAVATED
VOLUME = 529 CUBIC YARDS
-  PROPOSED RIP RAP - LIMESTONE 55# - 24" THICK
OVER GEOTEXTILE FABRIC (0.032 AC)
VOLUME = 356 CUBIC YARDS
-  EMBANKMENT AREA TO BE FILLED (0.04 AC)
VOLUME = 804 CUBIC YARDS
-  CONTOUR / GROUND FEATURE
-  CULVERT
-  PROPOSED GRADE
-  EXISTING GRADE ELEV.
-  EXISTING DITCH TO REMAIN UNDISTURBED
-  FLOW
- OTHER WATERS OF THE U.S.**
-  TO BE IMPROVED
= 320 LIN. FT. / 0.13 AC.
-  TO BE RELOCATED
= 110 LIN. FT. / 0.012 AC.



SITE NO. 2 - PLAN VIEW

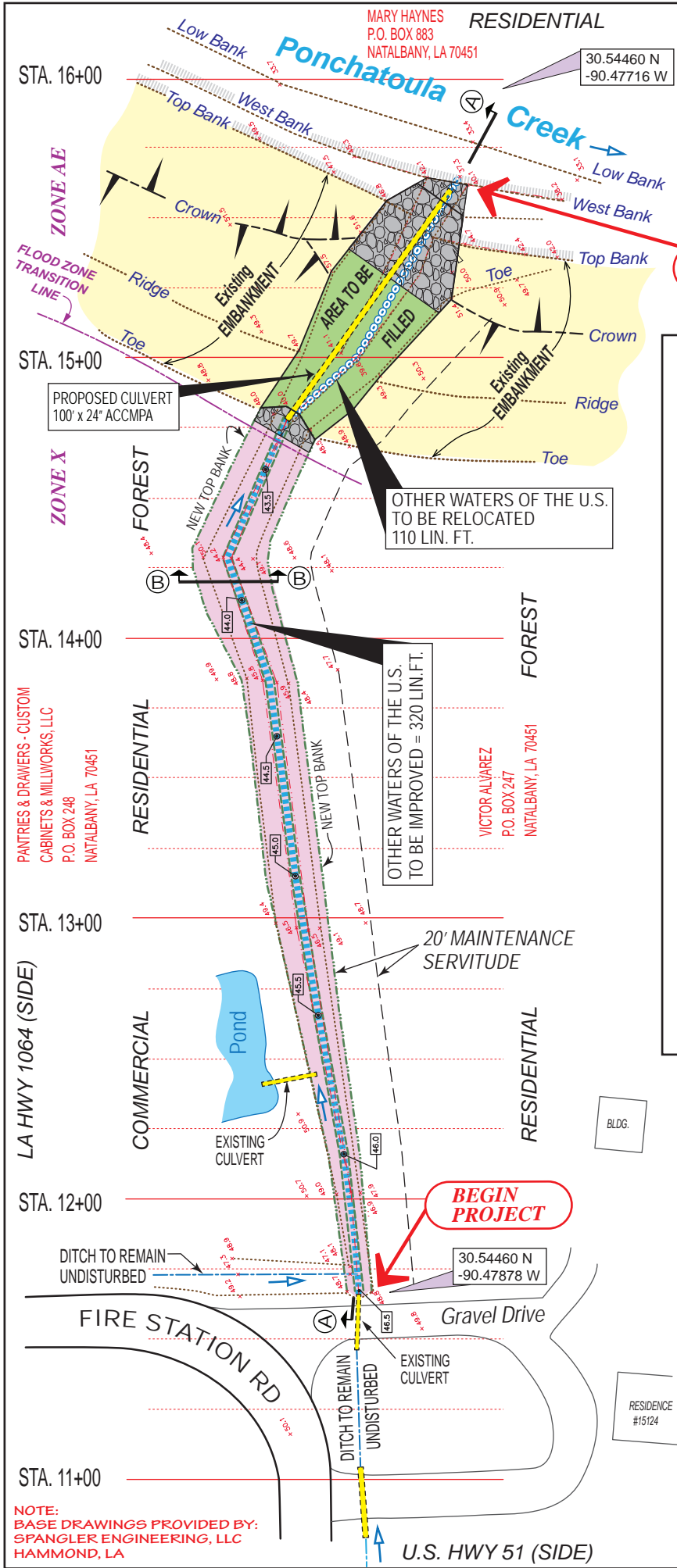
APPLICANT:
SPANGLER ENGINEERING, LLC



NATALBANY, LA
FIRE STATION ROAD LATERAL DITCH
LEADING INTO THE PONCHATOULA CREEK
SECTION II, T6S-R7E, TANGIPAHOA PARISH, LA

FIGURE 2B

HF: 1693 BC DATE: 5-01-2017 APPROVED:

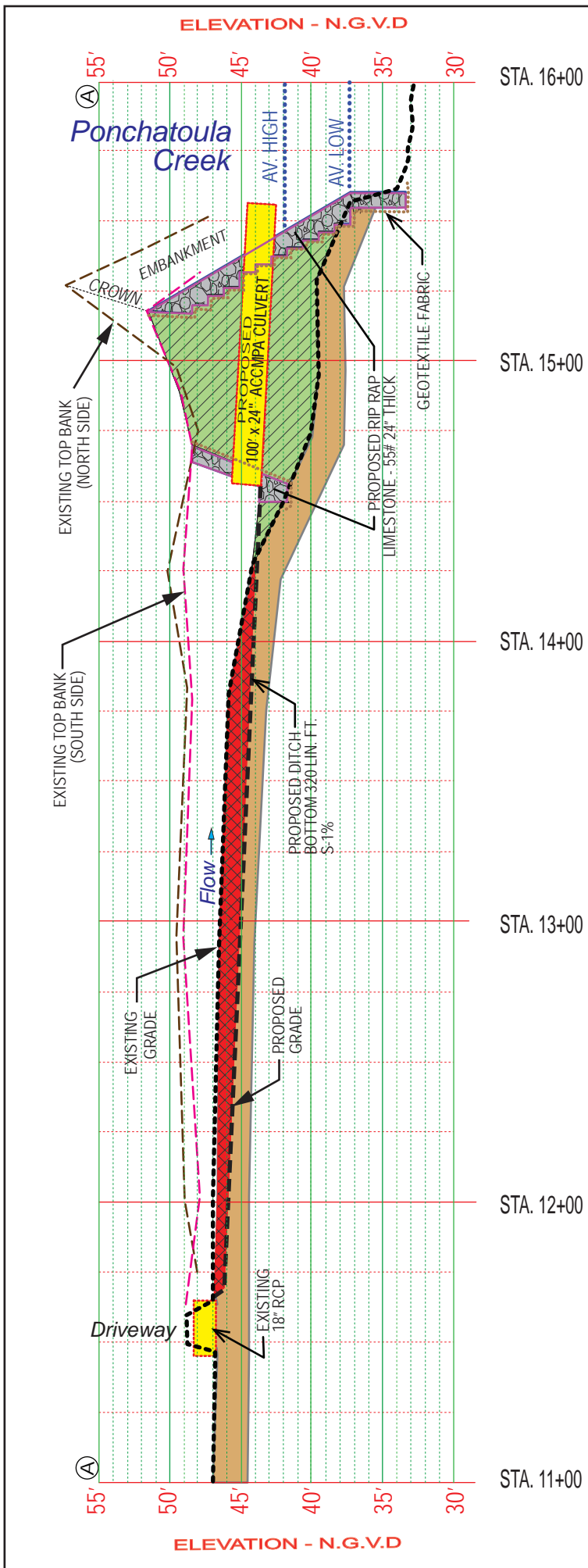


PANTRIES & DRAWERS - CUSTOM
CABINETS & MILLWORKS, LLC
P.O. BOX 248
NATALBANY, LA 70451

VICTOR ALVAREZ
P.O. BOX 247
NATALBANY, LA 70451

LA HWY 1064 (SIDE)

NOTE:
BASE DRAWINGS PROVIDED BY:
SPANGLER ENGINEERING, LLC
HAMMOND, LA



SITE NO. 2 - SECTION A-A

CROSS SECTION VIEW ALONG CENTERLINE OF DITCH

Looking North



LEGEND:

- AREA TO BE EXCAVATED
VOLUME = 529 CUBIC YARDS
- EXISTING SOIL
- PROPOSED RIP RAP - LIMESTONE 55# - 24" THICK
VOLUME = 356 CUBIC YARDS
- EMBANKMENT AREA TO BE FILLED
VOLUME = 804 CUBIC YARDS
- GEOTEXTILE FABRICK
- CULVERT

NOTE:
BASE DRAWINGS PROVIDED BY:
SPANGLER ENGINEERING, LLC
HAMMOND, LA

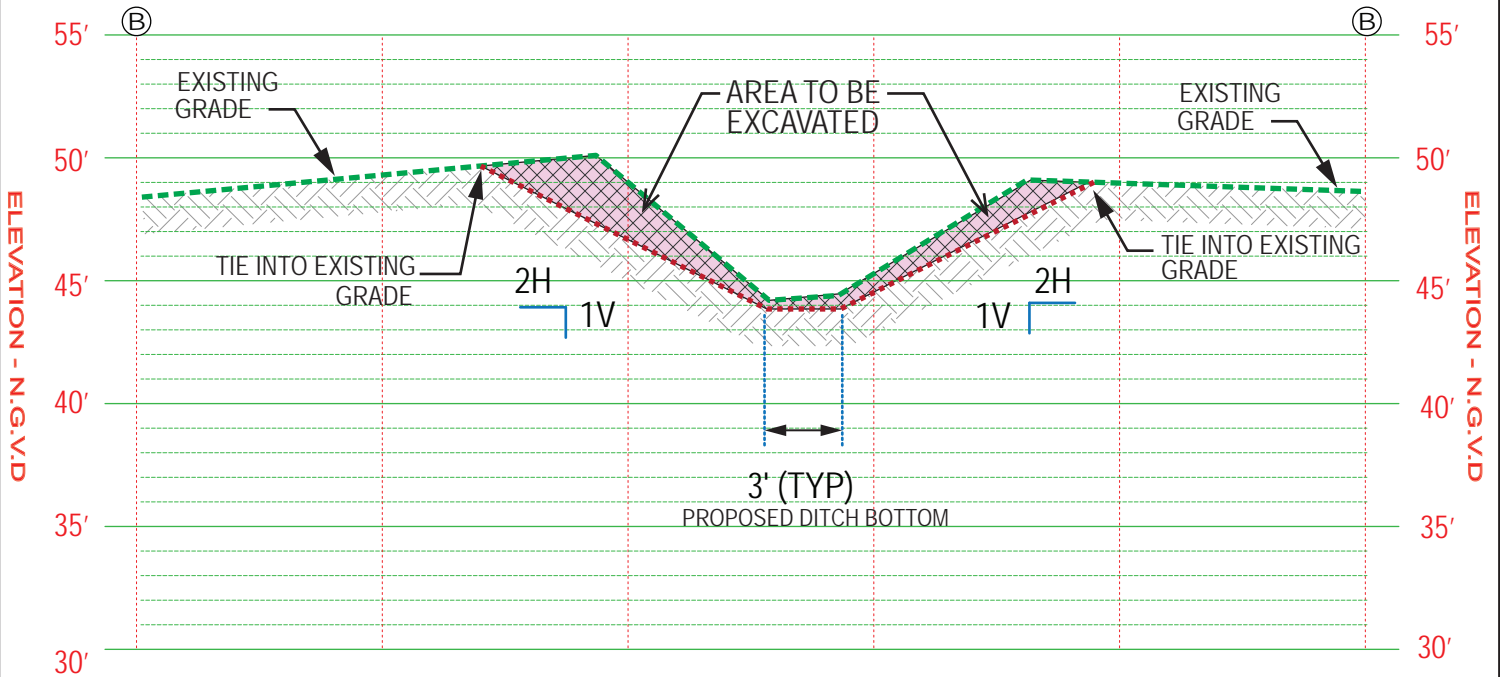
SITE 2 - PROFILE A-A

APPLICANT:
SPANGLER ENGINEERING, LLC

NATALBANY, LA
FIRE STATION ROAD LATERAL DITCH
LEADING INTO THE PONCHATOULA CREEK
SECTION II, T6S-R7E, TANGIPAHOA PARISH, LA




FIGURE
2C

HF: 1693 BC DATE: 5-01-2017 APPROVED:

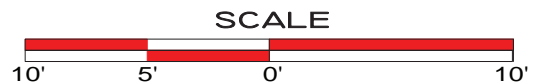


SITE NO. 2 - SECTION B-B
CROSS SECTION VIEW ALONG
CENTERLINE OF DITCH
Looking East
STA. 14+25

LEGEND:

-  AREA TO BE EXCAVATED
-  PROPOSED GRADE
-  EXISTING GRADE

NOTE:
 BASE DRAWINGS PROVIDED BY:
 SPANGLER ENGINEERING, LLC
 HAMMOND, LA



SITE 2 - PROFILE B-B

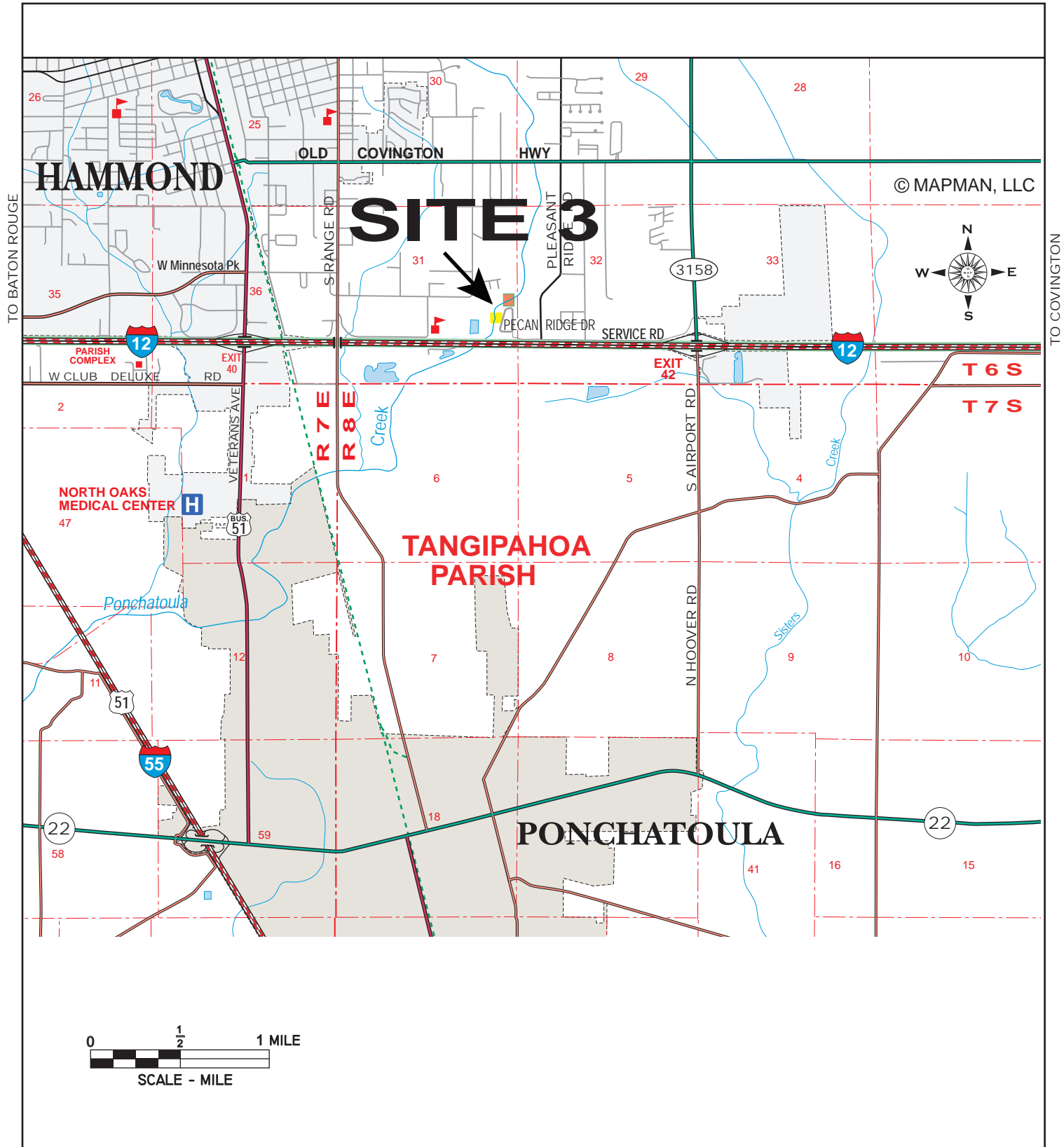
APPLICANT:
SPANGLER ENGINEERING, LLC



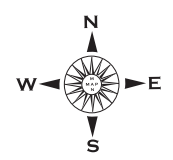
NATALBANY, LA
 FIRE STATION ROAD LATERAL DITCH
 LEADING INTO THE PONCHATOULA CREEK
 SECTION II, T6S-R7E, TANGIPAHOA PARISH, LA

FIGURE
2D

HF: 1693 BC DATE: 5-01-2017 APPROVED:



© MAPMAN, LLC



SITE VICINITY
 BANK IMPROVEMENTS & STABILIZATION TO
**PONCHATOULA CREEK ADJACENT TO
 PECAN RIDGE SUBDIVISION**
 SECT. 31, T6S-R8E, TANGIPAHOA PARISH, LA

APPLICANT: **SPANGLER ENGINEERING, LLC**

HYDRIK
 WETLANDS - GIS - FLOOD CONTROL
 WWW.HYDRIK.COM (985)429-0333

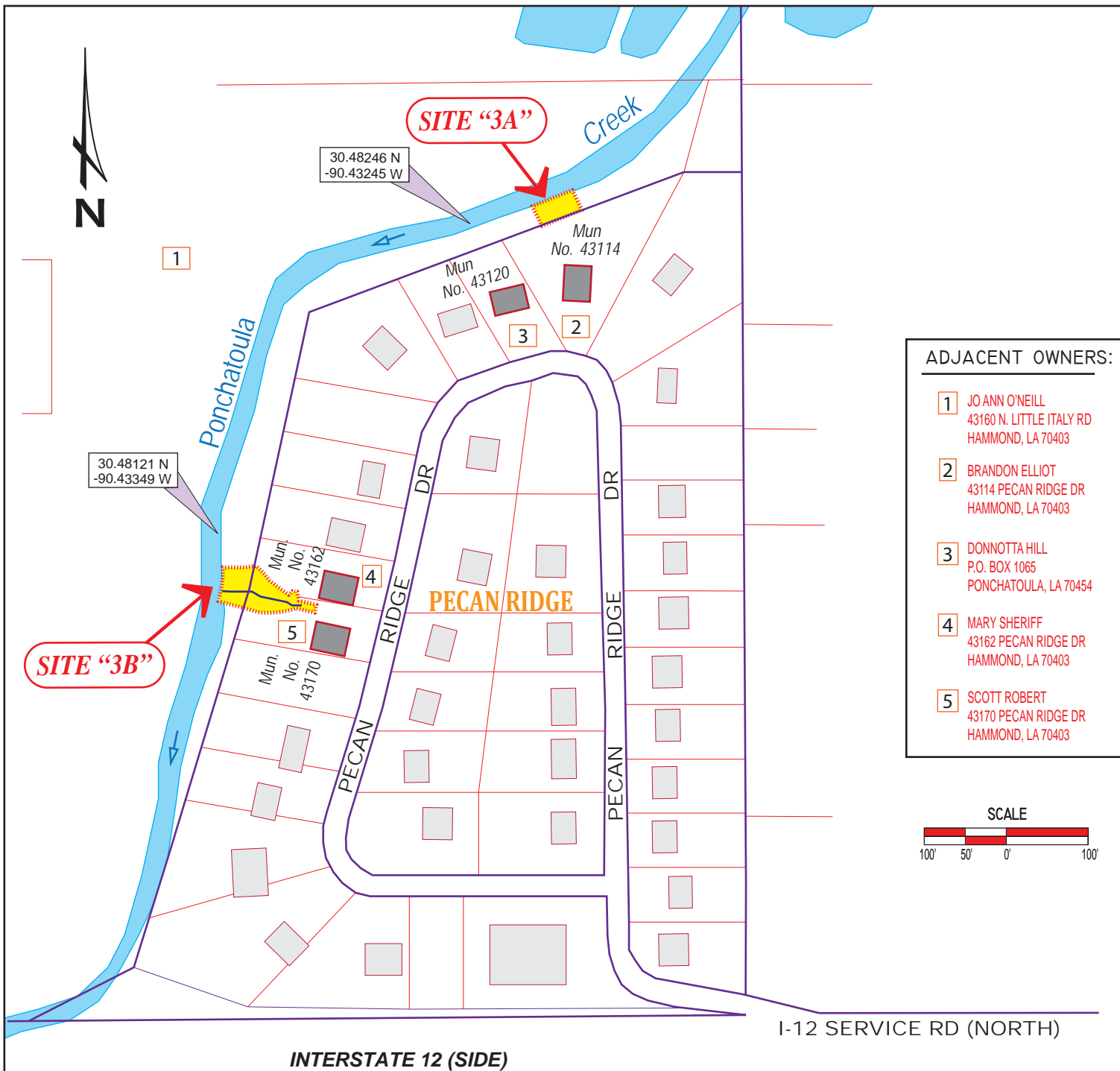
LEGEND

	= SITE "3A"
	= SITE "3B"

**FIGURE
3**

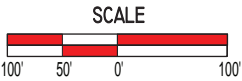
PLEASE NOTE: MAP DATA IS FOR REFERENCE ONLY.
 THIS IS NOT A LEGAL SURVEY AND SHOULD NOT BE USED AS SUCH.

HF: 1693 BC DATE 5-01-17 APPROVED:



ADJACENT OWNERS:

1	JO ANN O'NEILL 43160 N. LITTLE ITALY RD HAMMOND, LA 70403
2	BRANDON ELLIOT 43114 PECAN RIDGE DR HAMMOND, LA 70403
3	DONNOTTA HILL P.O. BOX 1065 PONCHATOULA, LA 70454
4	MARY SHERIFF 43162 PECAN RIDGE DR HAMMOND, LA 70403
5	SCOTT ROBERT 43170 PECAN RIDGE DR HAMMOND, LA 70403



**PONCHATOULA CREEK
BANK IMPROVEMENTS & STABILIZATION
ADJACENT TO & WITHIN
PECAN RIDGE SUBDIVISION**

LEGEND:

= EXISTING WASHOUT AREA & LIMITS OF CONSTRUCTION

SITE LOCATION

APPLICANT:
SPANGLER ENGINEERING, LLC

**PONCHATOULA CREEK
@ PECAN RIDGE SUBD.
SECT. 31, T6S-R8E
TANGIPAHOA PARISH, LA**

**FIGURE
3-1**

HF: 1693 BC | DATE: 5-01-2017 | APPROVED:

JO ANN O'NEILL
43160 N. LITTLE ITALY RD
HAMMOND, LA 70403

FOREST

STA. 11+00

9.0 TOE OF CREEK BANK

Creek

9.2 TOE OF CREEK BANK

19.2 TOE OF SPOIL BANK



STA. 10+00

Ponchatoula

LIMITS OF WASHOUT

16.4 TOE OF SPOIL BANK

33.1 Crown

33.8 Crown

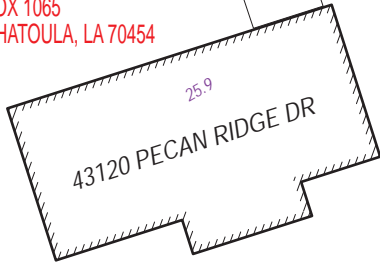
24.4 TOE OF SPOIL BANK

24.0

24.3

LOT 14
PECAN RIDGE

DONNOTTA HILL
P.O. BOX 1065
PONCHATOULA, LA 70454



LOT 13
PECAN RIDGE

BRANDON ELLIOT
43114 PECAN RIDGE DR
HAMMOND, LA 70403

RESIDENTIAL

SITE "3A"

17.9

17.5

17.3

17.5

17.9

18.0

26.5

27.1

28.2

24.3

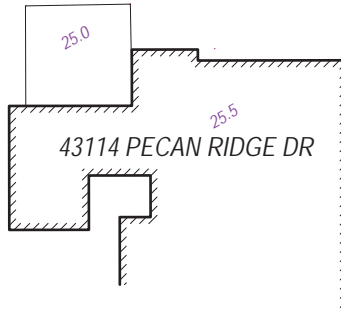
23.6

24.2











24.2

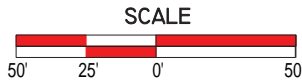
25.0

25.5



LEGEND:

-  PROPOSED RIP RAP - LIMESTONE 55# - 24" THICK
OVER GEOTEXTILE FABRIC
VOLUME = 100 CU. YARDS
-  EXISTING WASHOUT AREA
-  LIMITS OF CONSTRUCTION
-  EXISTING EMBANKMENT
-  CROWN OF SPOIL BANK
-  TOE OF SPOIL BANK
-  PROPOSED GRADE
-  EXISTING GRADE ELEV.
-  FLOW
-  EROSION EDGE



NOTE:
BASE DRAWINGS PROVIDED BY:
SPANGLER ENGINEERING, LLC
HAMMOND, LA

THIS SITE IS LOCATED IN FLOOD ZONE "AE"
PER FEMA FLOOD INSURANCE RATE MAPS
COMMUNITY NO. 220206, MAP NUMBER:
22105C0435 F, DATED 7-22-2010.
BASE FLOOD ELEV. = 28'

PONCHATOULA CREEK
BANK IMPROVEMENTS &
STABILIZATION ADJACENT TO
PECAN RIDGE SUBDIVISION

SITE 3A - PLAN VIEW

APPLICANT:
SPANGLER ENGINEERING, LLC

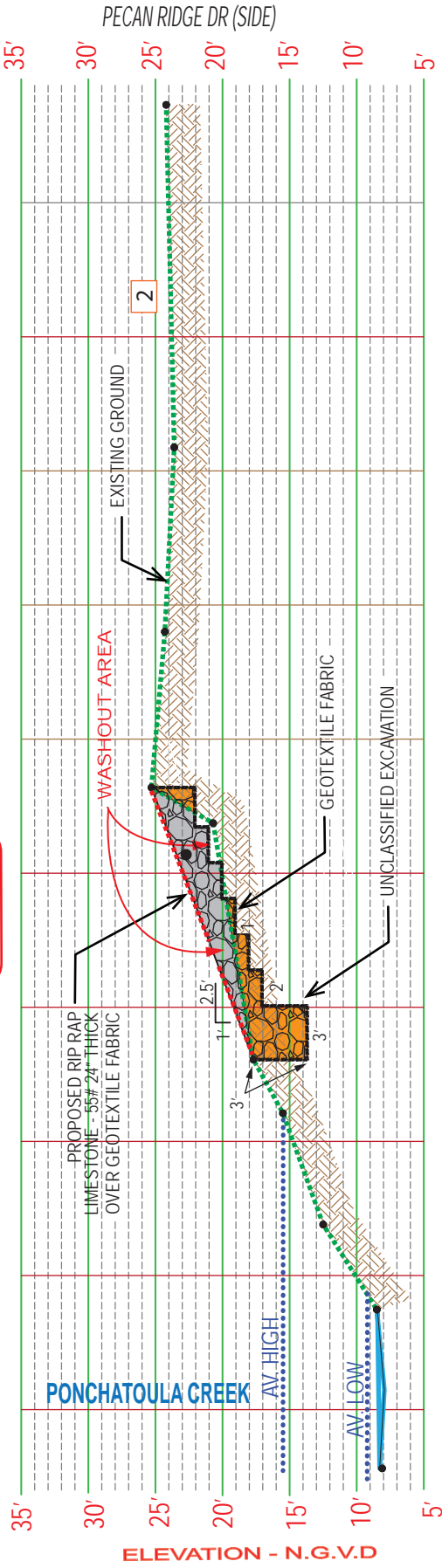
PONCHATOULA CREEK
@ PECAN RIDGE SUBD.
SECT. 31, T6S-R8E
TANGIPAHOA PARISH, LA

FIGURE
3A

HF: 1693 BC DATE: 5-01-2017 APPROVED:

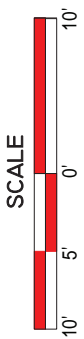
NOTE:
 BASE DRAWINGS PROVIDED BY:
 SPANGLER ENGINEERING, LLC
 HAMMOND, LA

SITE "3A"



SECTION A-A

**CROSS SECTION VIEW
 WITHIN WASHED OUT AREA**
Looking North



LEGEND:

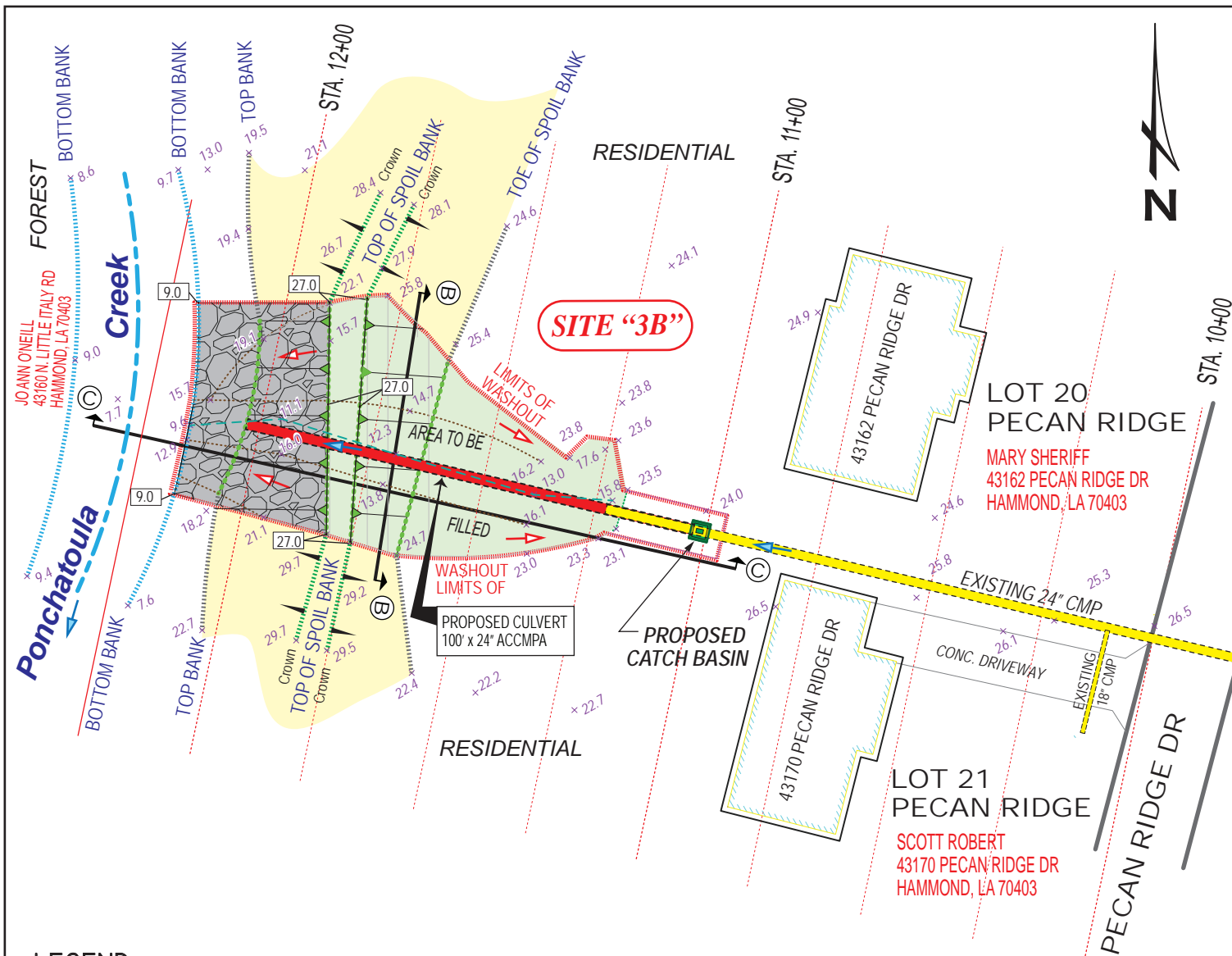
- EXISTING GROUND
- PROPOSED RIP RAP - LIMESTONE 55# - 24" THICK OVER GEOTEXTILE FABRIC
- AREA OF UNCLASSIFIED EXCAVATION
- PROPOSED GRADE
- PROPERTY OWNER

**PONCHATOULA CREEK
 BANK IMPROVEMENTS &
 STABILIZATION ADJACENT TO
 PECAN RIDGE SUBDIVISION**














SITE 3A - PROFILE A-A

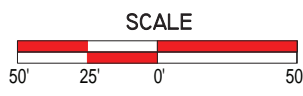
APPLICANT:
SPANGLER ENGINEERING, LLC

PONCHATOULA CREEK @ PECAN RIDGE SUBD. SECT. 31, T6S-R8E TANGIPAOHA PARISH, LA		FIGURE 3A1
HF: 1693 BC	DATE: 5-01-2017	



LEGEND:

-  PROPOSED RIP RAP - LIMESTONE 55# - 24" THICK
OVER GEOTEXTILE FABRIC
VOLUME = 370 CUBIC YARDS
-  AREA TO BE FILLED
VOLUME = 1200 CUBIC YARDS
-  EXISTING WASHOUT AREA
LIMITS OF CONSTRUCTION
-  EXISTING EMBANKMENT
-  PROPOSED EMBANKMENT
-  CONTOUR / GROUND FEATURE
-  EXISTING CULVERT
-  PROPOSED CULVERT
-  CROWN OF SPOIL BANK
-  PROPOSED GRADE
-  EXISTING GRADE ELEV.
-  FLOW
-  PROPOSED CATCH BASIN



NOTE:
 BASE DRAWINGS PROVIDED BY:
 SPANGLER ENGINEERING, LLC
 HAMMOND, LA

THIS SITE IS LOCATED IN FLOOD ZONE "AE"
 PER FEMA FLOOD INSURANCE RATE MAPS
 COMMUNITY NO. 220206, MAP NUMBER:
 22105C0435 F, DATED 7-22-2010.
 BASE FLOOD ELEV. = 28'

**PONCHATOULA CREEK
 BANK IMPROVEMENTS & STABILIZATION
 ADJACENT TO & WITHIN
 PECAN RIDGE SUBDIVISION**

SITE 3B - PLAN VIEW

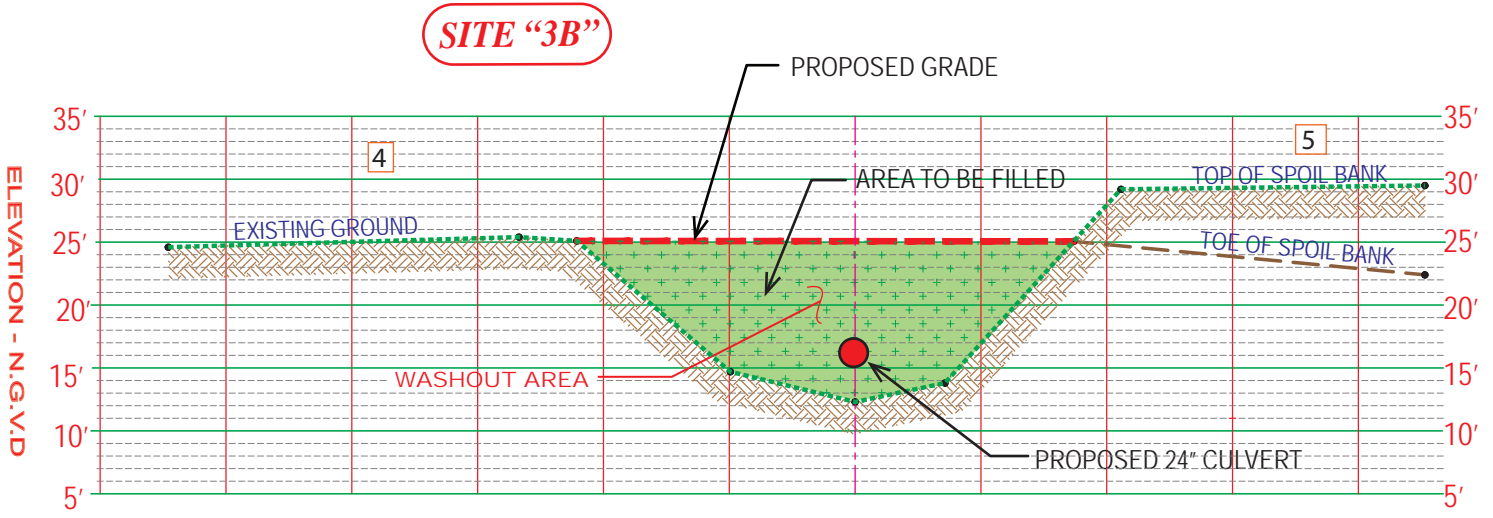
APPLICANT:
SPANGLER ENGINEERING, LLC

**PONCHATOULA CREEK
 @ PECAN RIDGE SUBD.
 SECT. 31, T6S-R8E
 TANGIPAHOA PARISH, LA**

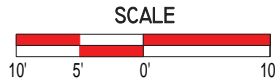
**FIGURE
 3B**

HF: 1693 BC DATE: 5-01-2017 APPROVED:


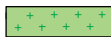




NOTE:
 BASE DRAWINGS PROVIDED BY:
 SPANGLER ENGINEERING, LLC
 HAMMOND, LA



SECTION B-B
 CROSS SECTION VIEW
 WITHIN WASHED OUT AREA
Looking East



LEGEND:

-  EXISTING GROUND
-  AREA TO BE FILLED
-  EXISTING GRADE
-  PROPOSED GRADE
-  PROPOSED 24" CULVERT
-  PROPERTY OWNER

**PONCHATOULA CREEK
 BANK IMPROVEMENTS & STABILIZATION
 ADJACENT TO & WITHIN
 PECAN RIDGE SUBDIVISION**

SITE 3B - PROFILE B-B

APPLICANT:

SPANGLER ENGINEERING, LLC



HYDRIK

WETLANDS - GIS - FLOOD CONTROL
 WWW.HYDRIK.COM (985)429-0333

**PONCHATOULA CREEK
 @ PECAN RIDGE SUBD.
 SECT. 31, T6S-R8E
 TANGIPAHOA PARISH, LA**

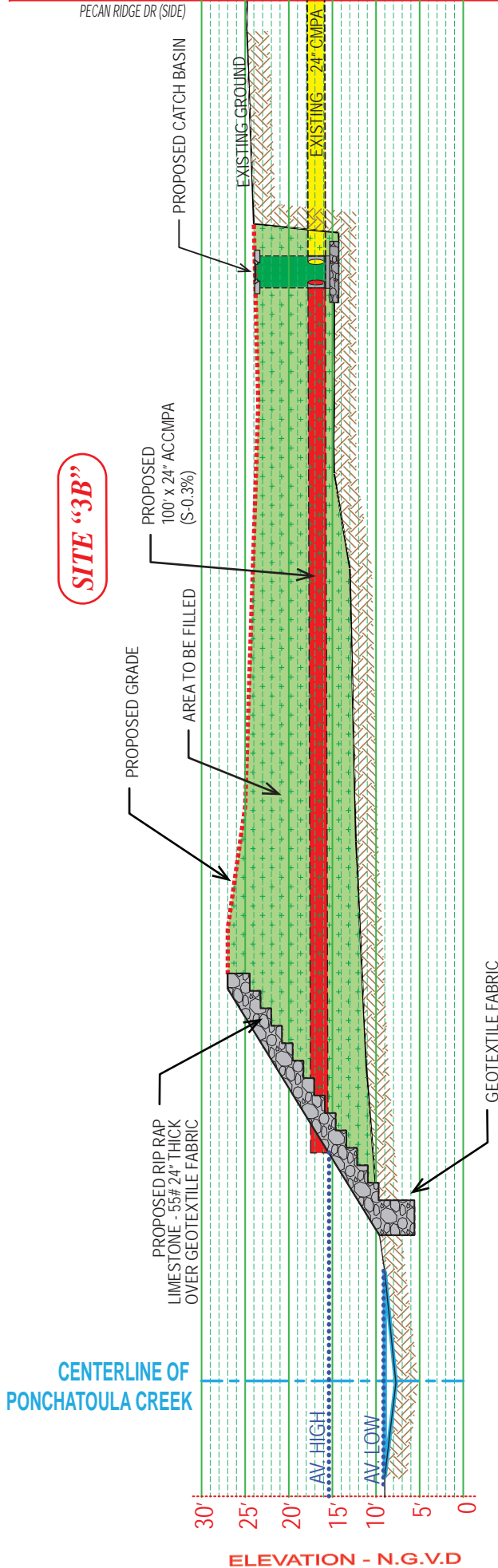
**FIGURE
 3B1**

HF: 1693 BC

DATE: 5-01-2017

APPROVED:

PECAN RIDGE DR (SIDE)

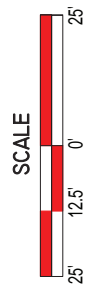


SITE "3B"



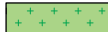



SECTION C-C

**CROSS SECTION VIEW ALONG
CENTERLINE OF PROPOSED CULVERT
WITHIN WASHED OUT AREA**
Looking North

NOTE:
BASE DRAWINGS PROVIDED BY:
SPANGLER ENGINEERING, LLC
HAMMOND, LA



LEGEND:

-  EXISTING GROUND
-  PROPOSED RIP RAP - LIMESTONE 55# - 24" THICK OVER GEOTEXTILE FABRIC
-  AREA TO BE FILLED
-  PROPOSED GRADE
-  EXISTING 24" CULVERT
-  PROPOSED 100' x 24" CULVERT

**PONCHATOULA CREEK
BANK IMPROVEMENTS & STABILIZATION
ADJACENT TO & WITHIN
PECAN RIDGE SUBDIVISION**

SITE 3B - PROFILE C-C

APPLICANT:
SPANGLER ENGINEERING, LLC



**PONCHATOULA CREEK
@ PECAN RIDGE SUBD.
SECT. 31, T6S-R8E
TANGIPAHOA PARISH, LA**

**FIGURE
3B2**

HF: 1693 BC DATE: 5-01-2017 APPROVED: