

EXHIBIT G

NEPA Evaluation Documentation

**TECHNICAL
ENVIRONMENTAL
SERVICES, INC.**

RECEIVED

APR 18 2011

FISH & WLDL. SERV
LAFAYETTE, LA.



U. S. Fish and Wildlife Services

Ecological Services Field Office

Southeast Region

646 Cajundome Boulevard , Suite 400

Lafayette, Louisiana 70506-4290

SITE MAY CONTAIN WETLANDS
Contact the U.S. Army Corps of Engineers
for a jurisdictional determination.

District: New Orleans, LA

Telephone No. 504-862-1288

Sir or Madam,

WTIX, Inc is proposing to construct two radio towers in Chalmette, Louisiana. I have reviewed a list of Louisiana endangered species. I do not believe that the construction of these two adjacent radio towers would negatively impact any of these species. I would appreciate any input, concerns or objections that you may have in this matter. I have included maps of the proposed tower locations.

Sincerely,

Mason Stevenson

Sr. Environmental Geologist

This project has been reviewed for effects to Federal trust resources under our jurisdiction and currently protected by the Endangered Species Act of 1973 (Act). The project, as proposed,
☒ Will have no effect on those resources
☐ Is not likely to adversely affect those resources.
This finding fulfills the requirements under Section 7(a)(2) of the Act.

Debra A. Fuller April 29, 2011
Acting Supervisor
Louisiana Field Office
U.S. Fish and Wildlife Service
Date

Mason Stevenson

From: Patti_Holland@fws.gov
Sent: Thursday, April 28, 2011 11:32 AM
To: Mason Stevenson
Subject: Re: WTIIX radio tower in Chalmette , Louisiana

Mason,

Yes, you are correct. When our office reviews a project, we screen for all trust resources under our purview. That includes proximity to wilderness areas and wildlife preserves, as well as migratory bird impacts and conflicts with other federal programs such as WRP. Since you did not get a letter from us stating such concerns, you can assume that your project has no effect on these resources.

Hope this provides the clarification that you are looking for.

Patti

Patti Holland
337-291-3121
U.S. Fish and Wildlife Service
646 Cajundome Blvd., Ste. 400
Lafayette, La 70506

"Mason Stevenson" <mstevenson@tesconsult.com>

"Mason Stevenson"
<mstevenson@tesconsult.com>

To<patti_holland@fws.gov>

04/28/2011 11:12 AM

cc

SubjectWTIX radio tower in Chalmette , Louisiana

Patti,

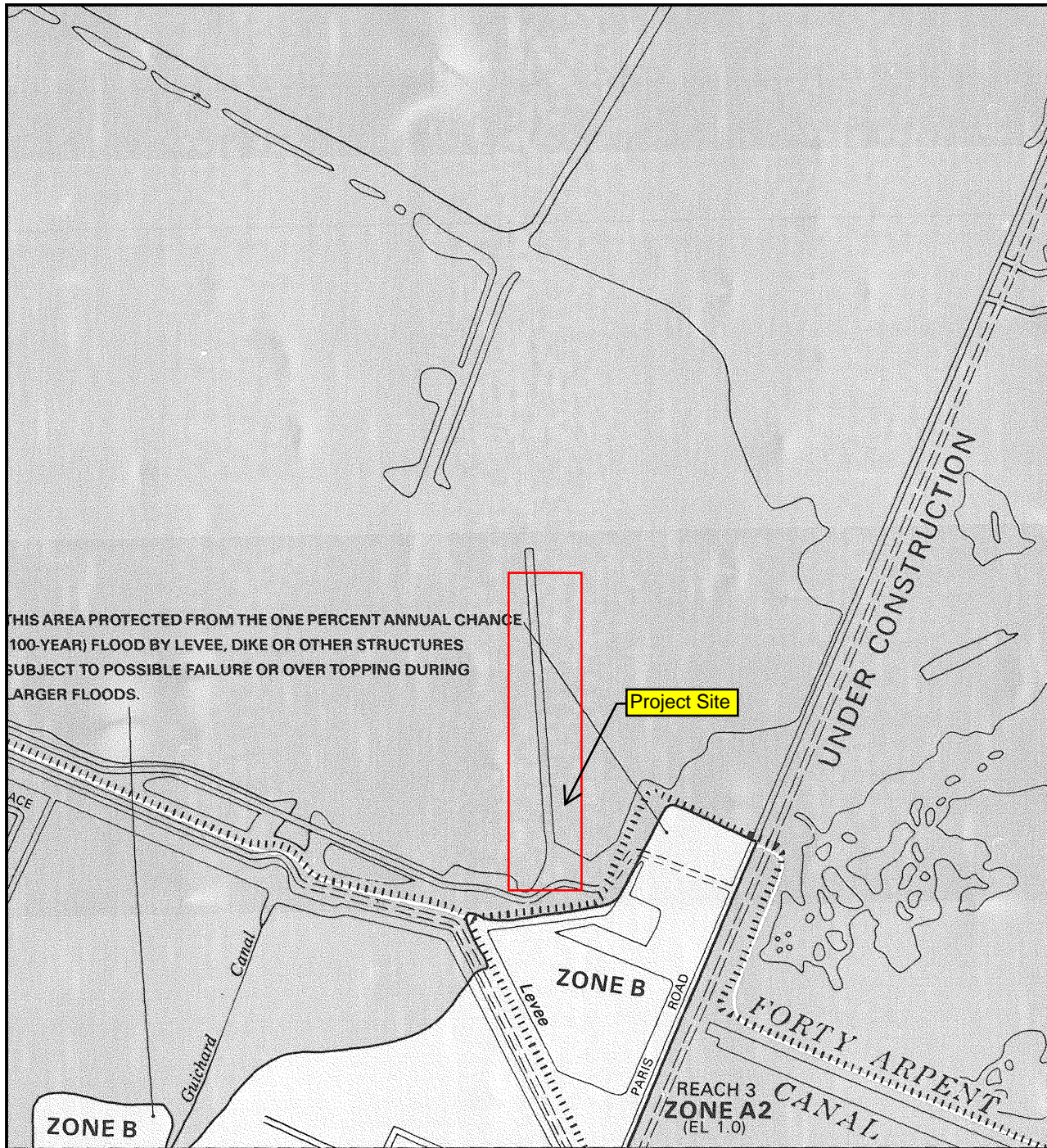
Thank you for the" No Effect on the Rresources" letter regarding endangered species at the proposed radio tower site in Chalmette, Louisiana.

I also believe that the proposed tower site in not in a designated Wilderness or Wildlife preserve.

Is that correct?

Thanks

Mason Stevenson
Sr. Environmental Geologist
Technical Environmental Services



JOINS PANEL 290



APPROXIMATE SCALE

1000 0 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

**ST. BERNARD PARISH,
LOUISIANA**
(UNINCORPORATED AREAS)

PANEL 280 OF 925
(SEE MAP INDEX FOR PANELS NOT PRINTED)

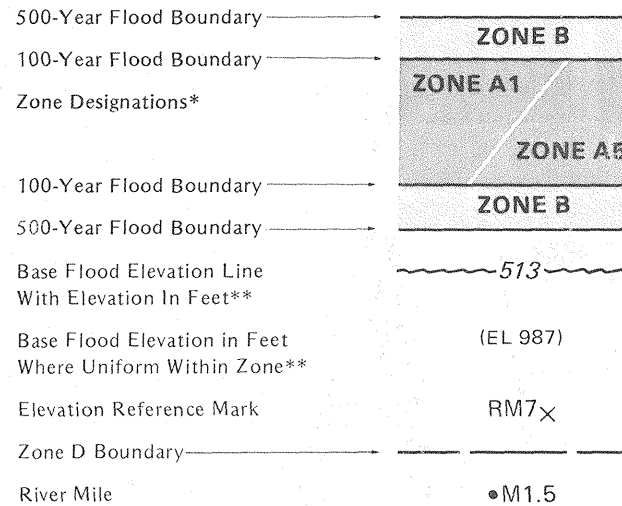
COMMUNITY-PANEL NUMBER
225204 0280 C

MAP REVISED:
MARCH 4, 1987



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



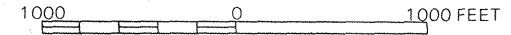
**Referenced to the National Geodetic Vertical Datum of 1929

*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

ST. BERNARD PARISH,
LOUISIANA
(UNINCORPORATED AREAS)

PANEL 280 OF 925
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
225204 0280 C

MAP REVISED:
MARCH 4, 1987



Federal Emergency Management Agency

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ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name <u>WTIX</u>	For Insurance Company Use:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. <u>UNASSIGNED # - AGRICULTURE ROAD OFF PARIS ROAD BACK OF LEVEE</u>	Policy Number
City <u>CHALMETTE</u> State <u>LA</u> ZIP Code <u>70043</u>	Company NAIC Number
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) <u>NONE PROVIDED</u>	

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) EMERGENCY BROADCAST RADIO TOWER/ SAFEHOUSE

A5. Latitude/Longitude: Lat. 29 57 40.04N Long. 89 57 17.29W Horizontal Datum: ☐ NAD 1927 ☐ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 5

A8. For a building with a crawl space or enclosure(s), provide

a) Square footage of crawl space or enclosure(s) 0 sq ft

b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade 2

c) Total net area of flood openings in A8.b 5760 sq in

A9. For a building with an attached garage, provide:

a) Square footage of attached garage NA sq ft

b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade NA

c) Total net area of flood openings in A9.b NA sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number <u>UNINCORPORATED AREAS & 225204</u>		B2. County Name <u>ST. BERNARD</u>		B3. State <u>LA</u>	
B4. Map/Panel Number <u>225204 0280</u>	B5. Suffix <u>B</u>	B6. FIRM Index Date <u>5/1/85</u>	B7. FIRM Panel Effective/Revised Date <u>5/1/85</u>	B8. Flood Zone(s) <u>A 2</u>	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) <u>+5.50'</u>

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date _____ ☐ CBRS ☐ OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-g below according to the building diagram specified in Item A7.
Benchmark Utilized INH Vertical Datum NAVD 88
Conversion/Comments NA

Check the measurement used.

a) Top of bottom floor (including basement, crawl space, or enclosure floor) +19.37 ☒ feet ☐ meters (Puerto Rico only)

b) Top of the next higher floor NA ☒ feet ☐ meters (Puerto Rico only)

c) Bottom of the lowest horizontal structural member (V Zones only) NA ☒ feet ☐ meters (Puerto Rico only)

d) Attached garage (top of slab) NA ☒ feet ☐ meters (Puerto Rico only)

e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments) +19.37 ☒ feet ☐ meters (Puerto Rico only)

f) Lowest adjacent (finished) grade (LAG) +3.53 ☒ feet ☐ meters (Puerto Rico only)

g) Highest adjacent (finished) grade (HAG) +3.86 ☒ feet ☐ meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

☒ Check here if comments are provided on back of form.

Certifier's Name <u>SAM Z. SCANDALIATO</u>		License Number <u>3358</u>	
Title <u>PROFESSIONAL LAND SURVEYOR</u>		Company Name <u>S.Z.S. CONSULTANTS, INC.</u>	
Address <u>616 BARONNE STREET SUITE 302</u>		City <u>NEW ORLEANS</u> State <u>LA</u> ZIP Code <u>70113</u>	
Signature _____		Date <u>06/14/07</u> Telephone <u>504-561-5724</u>	

PLACE
SEAL
HERE

IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. UNASSIGNED # - AGRICULTURE ROAD OFF PARIS ROAD BACK OF LEVEE	Policy Number
City CHALMETTE State LA ZIP Code 70043	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments C3e: GENERATOR 163/69

THIS CERTIFICATE IS ISSUED FOR THE BENEFIT OF THE BUILDING OWNER'S NAME IDENTIFIED HEREIN AND CANNOT BE USED FOR THE BENEFIT OF SUBSEQUENT OWNERS.

* NO LEGAL DESCRIPTION WAS PROVIDED TO US OR USED IN DETERMINING THIS FLOOD ZONE.

Signature _____ Date 06/14/07 ☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawl space, or enclosure) is _____. ☐ feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawl space, or enclosure) is _____. ☐ feet ☐ meters ☐ above or ☐ below the LAG.
- E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____. ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E3. Attached garage (top of slab) is _____. ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____. ☐ feet ☐ meters ☐ above or ☐ below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name _____

Address _____	City _____	State _____	ZIP Code _____
Signature _____	Date _____	Telephone _____	
Comments _____			

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8. and G9.

- G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. ☐ The following information (Items G4.-G9.) is provided for community floodplain management purposes.

G4. Permit Number _____	G5. Date Permit Issued _____	G6. Date Certificate Of Compliance/Occupancy Issued _____
-------------------------	------------------------------	---

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____. ☐ feet ☐ meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____. ☐ feet ☐ meters (PR) Datum _____

Local Official's Name _____	Title _____
Community Name _____	Telephone _____
Signature _____	Date _____
Comments _____	

☐ Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. UNASSIGNED # - AGRICULTURE ROAD OFF PARIS ROAD BACK OF LEVEE		For Insurance Company Use: Policy Number
City CHALMETTE State LA ZIP Code 70043		Company NAIC Number
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.		

06/14/07 FRONT VIEW/ SIDE VIEW



06/14/07 REAR VIEW/ SIDE VIEW



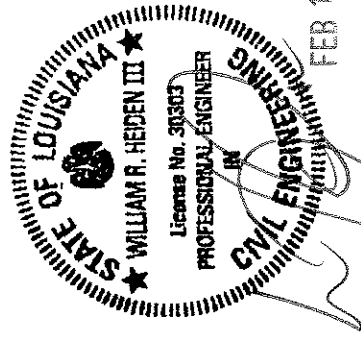
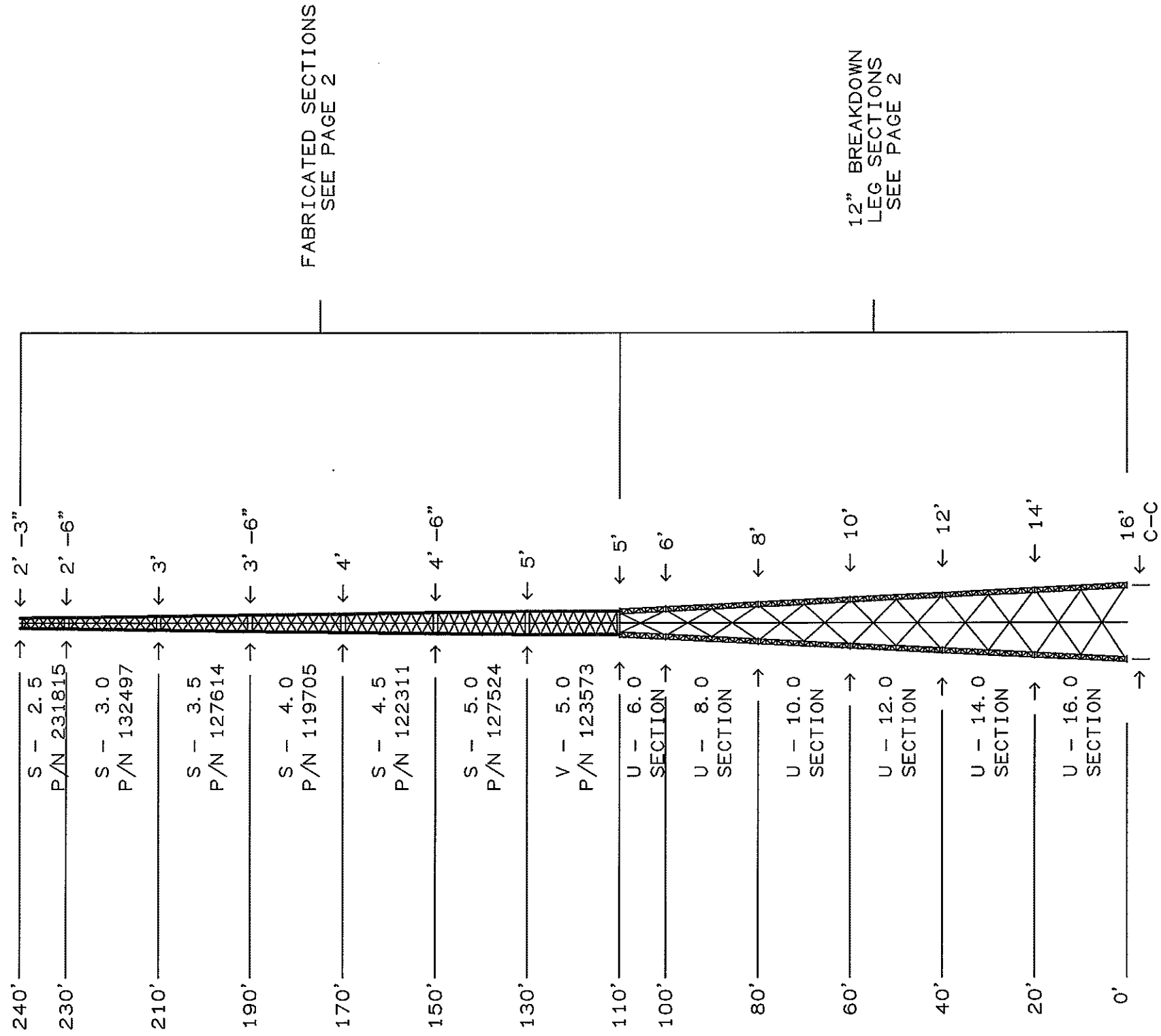
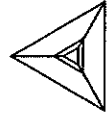
06/14/07 ADDITIONAL VIEW



Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.			For Insurance Company Use:
			Policy Number
City	State	ZIP Code	Company NAIC Number
If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."			



William R. Heiden III, LA Professional Engineer # 30303

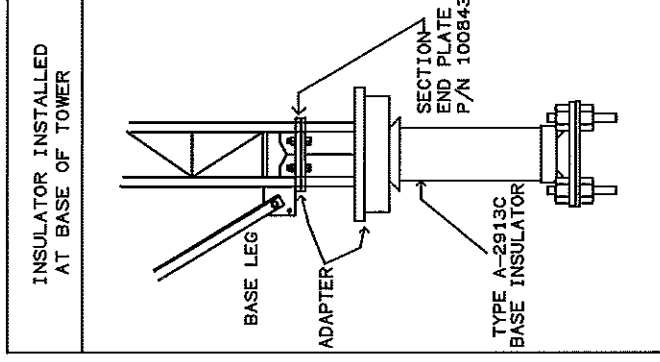
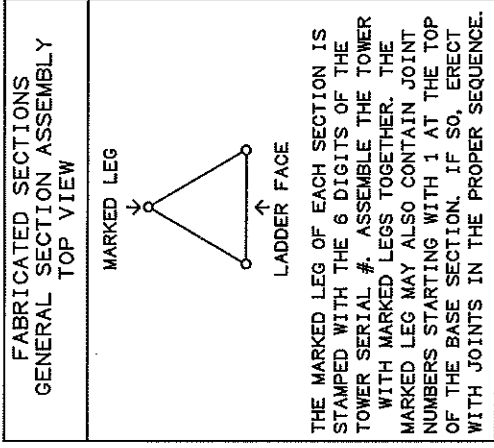
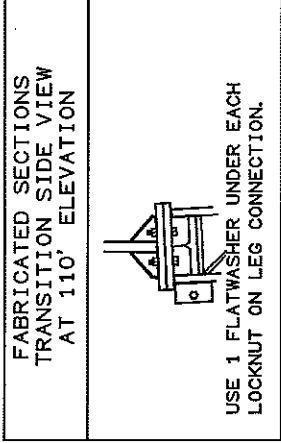
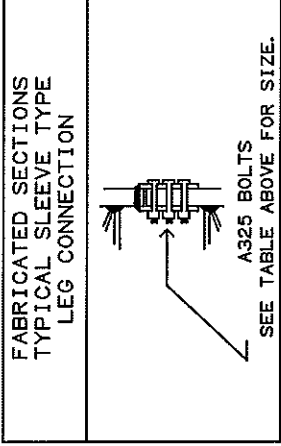
GHB BROADCASTING INC
WIST AM METAIRIE, LA
U-16.0 X 240'

A		ADD INSULATOR	SKK	02/17/2011	SKK	2/17/2011	valmont 1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR STRUCTURES	
REV		DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/ENG.	APPROVED/FOUND.		
					COPYRIGHT 2011			
					DRAWN BY		DRAWING NO.	
					ENG. FILE NO. A-145218-	234881		
					ARCHIVE F-1013621	PAGE	1 OF 6	

From: F1013621.DFT - 02/17/2011 11:46
Printed from 234881_010A.DWG * 02/17/2011 12:50 @ 02/18/2011 15:07

FABRICATED SECTION DATA 110' - 240' ELEVATION									
SECT LEN	SEC #	SECTION PART#	LEG SIZE	BRACE SIZE	SECT WT. #	BOLTS AT BOTTOM DIAM	LENGTH	#	
10'	S- 2.5	131815	1- 1/2"	1/2"	597#	5/8"	4"	12	
20'	S- 3.0	132497	1- 3/4"	5/8"	780#	5/8"	4"	12	
20'	S- 3.5	127614	1- 3/4"	3/4"	923#	5/8"	4-1/2"	15	
20'	S- 4.0	119705	2"	7/8"	1283#	3/4"	5"	15	
20'	S- 4.5	122311	2- 1/4"	7/8"	1538#	3/4"	5-1/2"	15	
20'	S- 5.0	127524	2- 1/2"	7/8"	1796#	7/8"	6"	15	
20'	V- 5.0	123573	2- 3/4"	1- 1/4"	2826#	1"	3-1/2"	18	

* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS WILL VARY. ALL WEIGHTS SHOULD BE CONFIRMED IN THE FIELD PRIOR TO ERECTION.



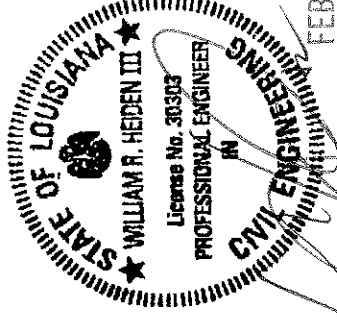
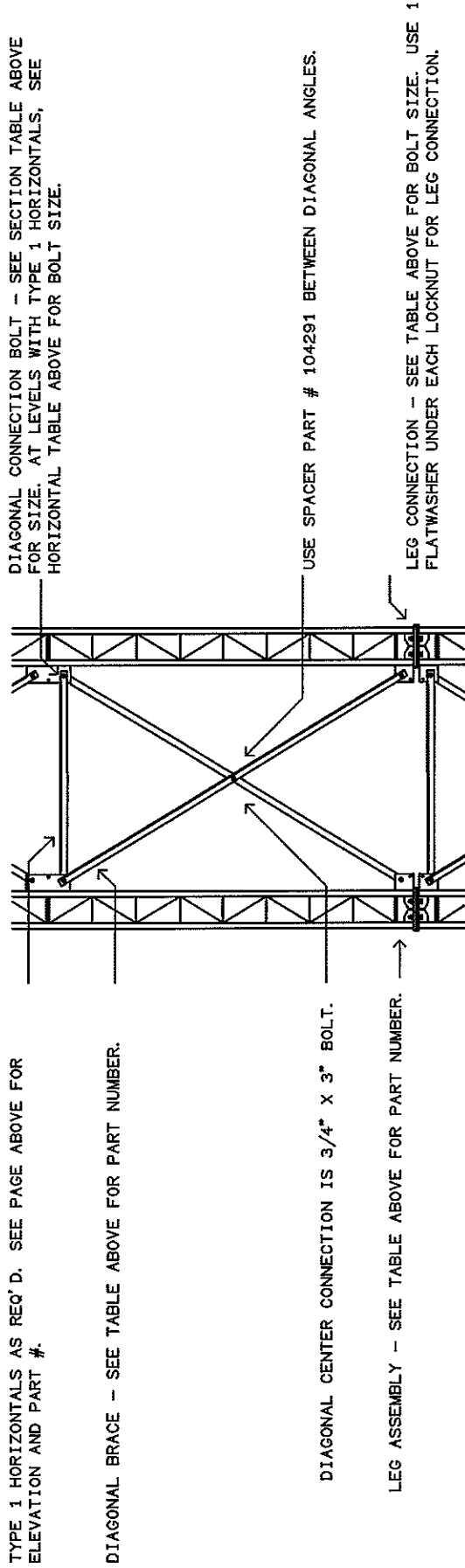
BREAKDOWN SECTION DATA (12" LEG) 0' - 110' ELEVATION									
SEC #	SECTION LENGTH	LEG SIZE	LEG PART#	TOP DIAGONAL PART#	DIAGONAL FACE	THICK	ANGLE	SECTION QTY	LEG CONNECT+ DIAM
U- 6.0	10'	1- 1/2"	211177	105556	2-1/2"	3/16"	1	1290#	1"
U- 8.0	20'	1- 1/2"	207629	105558	2-1/2"	3/16"	1	2292#	1"
U-10.0	20'	1- 1/2"	207629	105564	2-1/2"	3/16"	1	2335#	1"
U-12.0	20'	1- 3/4"	195557	105570	2-1/2"	3/16"	1	2773#	1"
U-14.0	20'	1- 3/4"	195557	199054	2-1/2"	3/16"	1	2832#	1"
U-16.0	20'	1- 3/4"	195557	105583	3"	5/16"	1	3476#	1"

* THE WEIGHTS LISTED ARE THEORETICAL. THE ACTUAL WEIGHTS SHOULD BE
CONFIRMED IN THE FIELD PRIOR TO ERECTION.

** SEE ANGLE HORIZONTAL DATA TABLE FOR BOLT SIZE AT LEVELS WITH TYPE 1 HORIZONTALS.
+ USE 1 FLATWASHER UNDER EACH LOCKNUT OR LOCK WASHER FOR LEG CONNECTION ONLY.

ANGLE HORIZONTAL DATA (12" LEG)					
HORIZ HT	IN SEC#	HORIZ PART#	HORIZ TYPE	BOLTS DIAM	LENGTH
110	U- 6.0	105939	1	1"	3-1/2"

TYPICAL BREAKDOWN SECTION ASSEMBLY (12" LEG) 0' - 110' ELEVATION

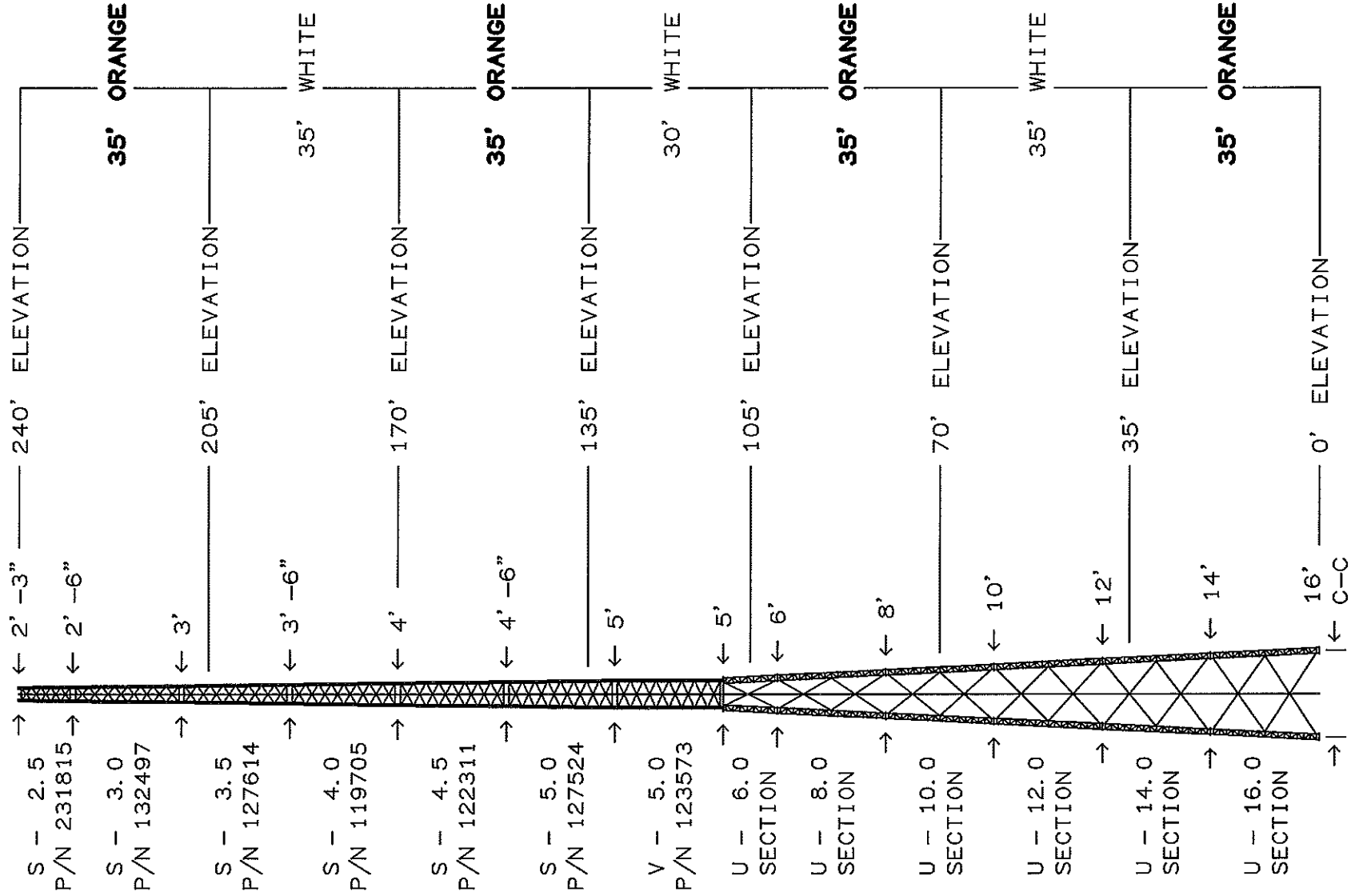


William R. Heiden III, LA Professional Engineer # 30303

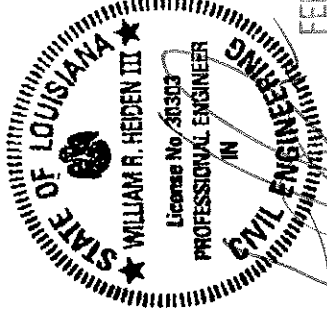
GHB BROADCASTING INC
WIST AM METAIRIE, LA
U-16.0 X 240'

A ADD INSULATOR		SKK	02/17/2011	APPROVED/ENG.	SKK	12/17/2011
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.	N/A	
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Printed from 234881_02@A.DWG * 02/17/2011 17:57 @ 02/18/2011 15:07		F-1013621		234881		
		ARCHIVE		PAGE		
				2 OF 6		





PAINT SCHEDULE



William R. Heiden III, LA Professional Engineer # 30303

GHB BROADCASTING INC
WIST AM METAIRIE, LA
U-16.0 X 240'

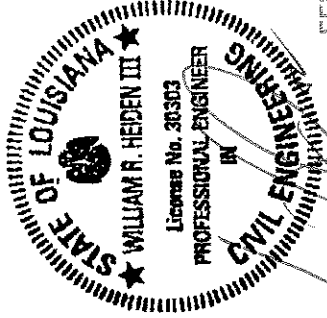


GENERAL NOTES

1. TOWER DESIGN CONFORMS TO STANDARD EIA/TIA-222-F FOR 130 MPH FASTEST-MILE BASIC WIND SPEED WITH NO ICE. TOWER MEETS THE REQUIREMENTS OF THE 2006 INTERNATIONAL BUILDING CODE UTILIZING AN 150 MPH 3-SEC GUST BASIC WIND SPEED AND EXPOSURE C CRITERIA WITH NO ICE PER STANDARD EIA/TIA-222-F.
2. NO TWIST AND SWAY LIMITATIONS SPECIFIED OR USED FOR THIS TOWER.
3. MATERIAL: (A) SOLID RODS TO ASTM A572 GRADE 50. (B) ANGLES TO ASTM A36. (C) PIPE TO ASTM A500 GRADE B. (D) STEEL PLATES TO ASTM A36. (E) CONNECTION BOLTS TO ASTM A325 OR ASTM A449 (Fu=120 KSI AND Fy=92 KSI) AND ANCHOR BOLTS TO ASTM F1554 (Fu=150 KSI AND Fy=105 KSI).
4. BASE REACTIONS PER EIA/TIA-222-F FOR 130 MPH BASIC WIND SPEED WITH NO ICE: TOTAL WEIGHT = 25.0 KIPS. MAXIMUM COMPRESSION = 241.0 KIPS PER LEG. MOMENT = 3230.0 KIP-FT. MAXIMUM UPLIFT = 218.0 KIPS PER LEG. MAXIMUM SHEAR = 34.0 KIPS TOTAL.
5. FINISH: ALL BOLTS ARE GALVANIZED IN ACCORDANCE WITH ASTM A153 (HOT DIPPED) OR ASTM B695 CLASS 50 (MECHANICAL). ALL OTHER STRUCTURAL MATERIALS ARE GALVANIZED IN ACCORDANCE WITH ASTM123.
6. ANTENNAS: 100' -(1) 4' GRID DISH WITH (1) 7/8" LINE
NOTE: (A) ELEVATIONS ARE TO THE BOTTOM OF THE ANTENNAS EXCEPT FOR MICROWAVE DISHES, WHICH ARE TO THE CENTERLINE.
7. REMOVE FOUNDATION TEMPLATE PRIOR TO ERECTING TOWER. INSTALL BASE SECTION WITH MINIMUM OF 2" CLEARANCE ABOVE CONCRETE. SEE BASE SECTION PLACEMENT PAGE FOR MORE INFORMATION. PACK NON-SHRINK STRUCTURAL GROUT UNDER BASE SECTION AFTER LEVELING TOWER.
8. MIN. WELDS 5/16" UNLESS OTHERWISE SPECIFIED. ALL WELDING TO CONFORM TO AWS D1.1 SPECIFICATIONS .
9. THIS DRAWING DOES NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, SEQUENCES AND PROCEDURES.
10. ALL BOLTS AND NUTS MUST BE IN PLACE BEFORE THE ADJOINING SECTIONS ARE INSTALLED.
11. ALL STRUCTURAL BOLTS ARE TO BE TIGHTENED TO A SNUG TIGHT CONDITION AS DEFINED BY AISC SPECIFICATION UNLESS OTHERWISE NOTED.
12. ATTENTION TOWER ERECTOR: COAT ALL BOLT ASSEMBLIES THAT USE PIN LOCK NUTS WITH ZINC RICH COLD GALVANIZING COMPOUND AFTER FINAL TIGHTENING.

FOUNDATION NOTES

1. FOUNDATION DESIGN BY OTHERS.

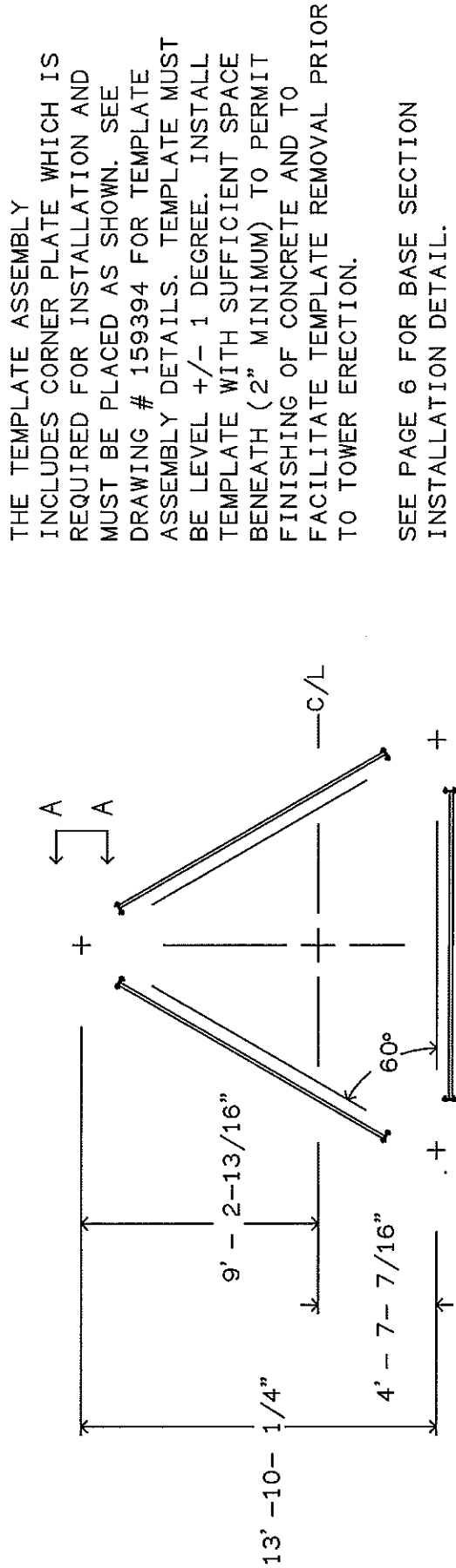


William R. Heiden III, LA Professional Engineer # 30303

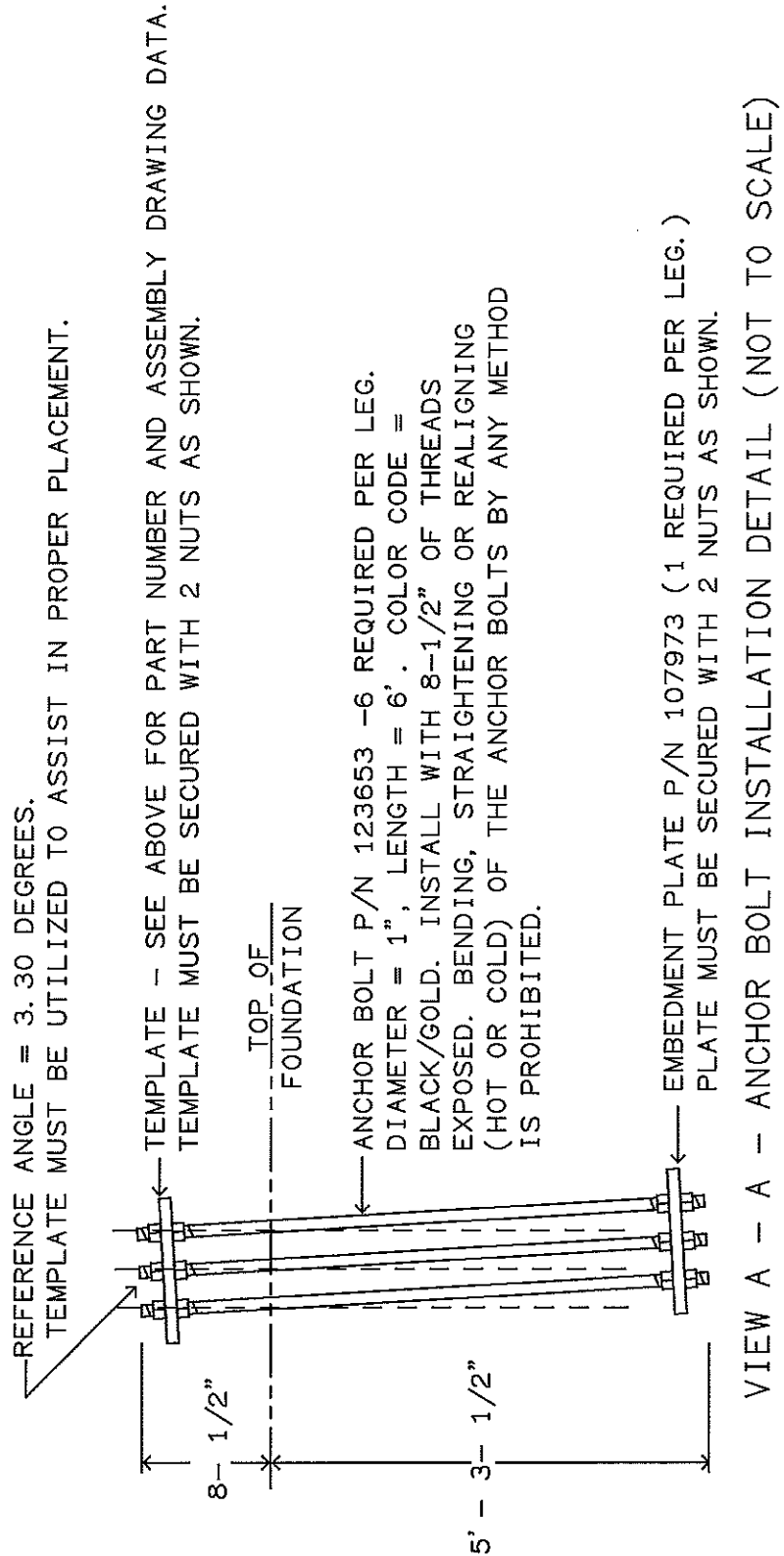
GHB BROADCASTING INC
WIST AM METAIRIE, LA
U-16.0 X 240'

APPROVED/ENG.		SKK	2/17/2011
APPROVED/FOUND.			
COPYRIGHT		2011	
DRAWN BY		SKK	
ENG. FILE NO.		A-145218-	
ARCHIVE		F-1013621	
DRAWING NO.			234881
PAGE			4 OF 6





TOWER ANCHOR STEEL PLACEMENT - TOP VIEW

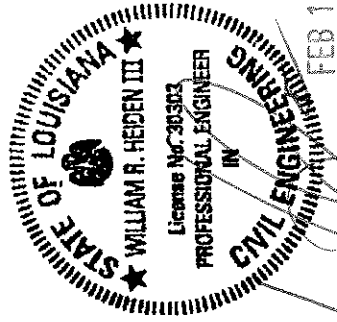


ATTENTION CONTRACTOR INSTALLING THE ANCHOR BOLTS!


1" DIAMETER ANCHOR BOLTS FOR TAPERED TOWER.

VERIFY THE PART NUMBERS AND SIZES FOR ALL COMPONENTS ON THIS PAGE AND PAGE 6.

IF THERE ARE ANY DISCREPANCIES, PLEASE NOTIFY PIROD, INC. PRIOR TO INSTALLATION!!



William R. Heiden III, LA Professional Engineer # 30303

GHB BROADCASTING INC WIST AM METAIRIE, LA U-16.0 X 240'				valmont  1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR STRUCTURES	
		APPROVED/ENG.	SKK	2/17/2011	DRAWING NO. 234881 PAGE 5 OF 6
		APPROVED/FOUND.			
		COPYRIGHT	2011		
		DRAWN BY	SKK		
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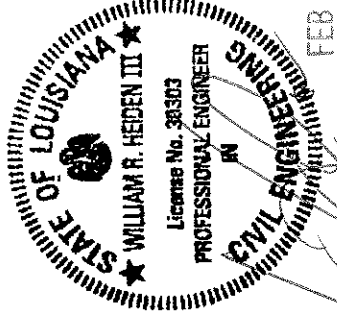
ANCHOR BOLT
BENDING, STRAIGHTENING OR REALIGNING (HOT OR COLD)
OF THE ANCHOR BOLTS BY ANY METHOD IS PROHIBITED.

GALVANIZED HEX NUT
GALVANIZED LOCK WASHER
GALVANIZED FLAT WASHER

AUSTIN A-2913C ASSEMBLY

GALVANIZED FLAT WASHER
GALVANIZED HEX NUT

BASE SECTION INSTALLATION DETAIL



William R. Heiden III, LA Professional Engineer # 30303

				GHB BROADCASTING INC WIST AM METAIRIE, LA U-16.0 X 240'		valmont 1-877-467-4763 Plymouth, IN 1-888-880-9191 Salem, OR STRUCTURES	
A	ADD INSULATOR	SKK	02/17/2011	APPROVED/ENG.	SKK 2/17/2011		
REV	DESCRIPTION OF REVISIONS	INI	DATE	APPROVED/FOUND.			
				COPYRIGHT 2011			
				DRAWN BY		DRAWING NO.	
From: F1001748.DFT - 01/10/2001 09:54				ENG. FILE NO. A-145218-		234881	
Printed from 234881_06@A.DWG * 02/17/2011 18:12 @ 02/18/2011 15:08				ARCHIVE F-1013621		PAGE 6 OF 6	

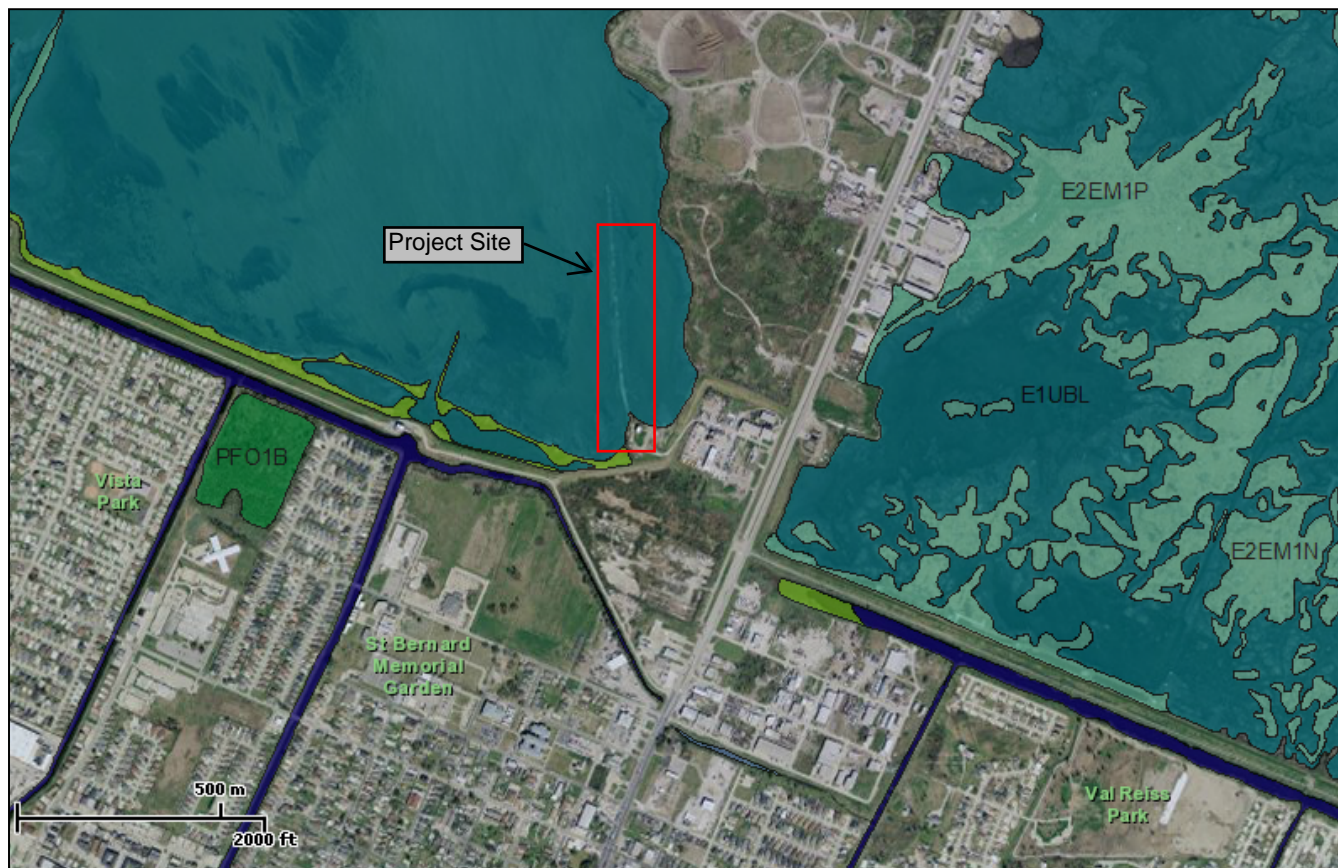


U.S. Fish and Wildlife Service

National Wetlands Inventory

WTIX Tower - Wetlands Map

Dec 14, 2011



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT, CORPS OF ENGINEERS

P. O. BOX 60267

NEW ORLEANS, LOUISIANA 701600267

REPLY TO
ATTENTION OF:

Operations Division
Eastern Evaluation Section

NOV 16 2011

Subject: MVN 2011-2825-EOO

WTIX, Inc.
1218 B Decatur St.
New Orleans, Louisiana 70116

Gentlemen:

The proposed work to drive pilings and place concrete fill material for two WTIX replacement towers, located at 130 Agriculture St., in Chalmette, Louisiana, St. Bernard Parish, as shown on the enclosed drawings, is authorized under **Category I** of the **Programmatic General Permit** provided that all conditions of the permit are met.

This authorization has a blanket water quality certification from the Louisiana Department of Environmental Quality; therefore, no additional authorization from DEQ is required.

However, prior to commencing work on your project, you must obtain approvals from state and local agencies as required by law and by terms of this permit. These approvals include, but are not limited to, a permit, consistency determination or determination of "no direct or significant impact (NDSI) on coastal waters" from the Louisiana Department of Natural Resources, Office of Coastal Management

If the work is initiated within two (2) years of the date of this letter, the authorization remains valid for a total of five (5) years from the date of this letter. If the work is not initiated within two (2) years, this authorization becomes null and void.

Permittee is aware that this office may reevaluate its decision on this permit at any time the circumstances warrant.

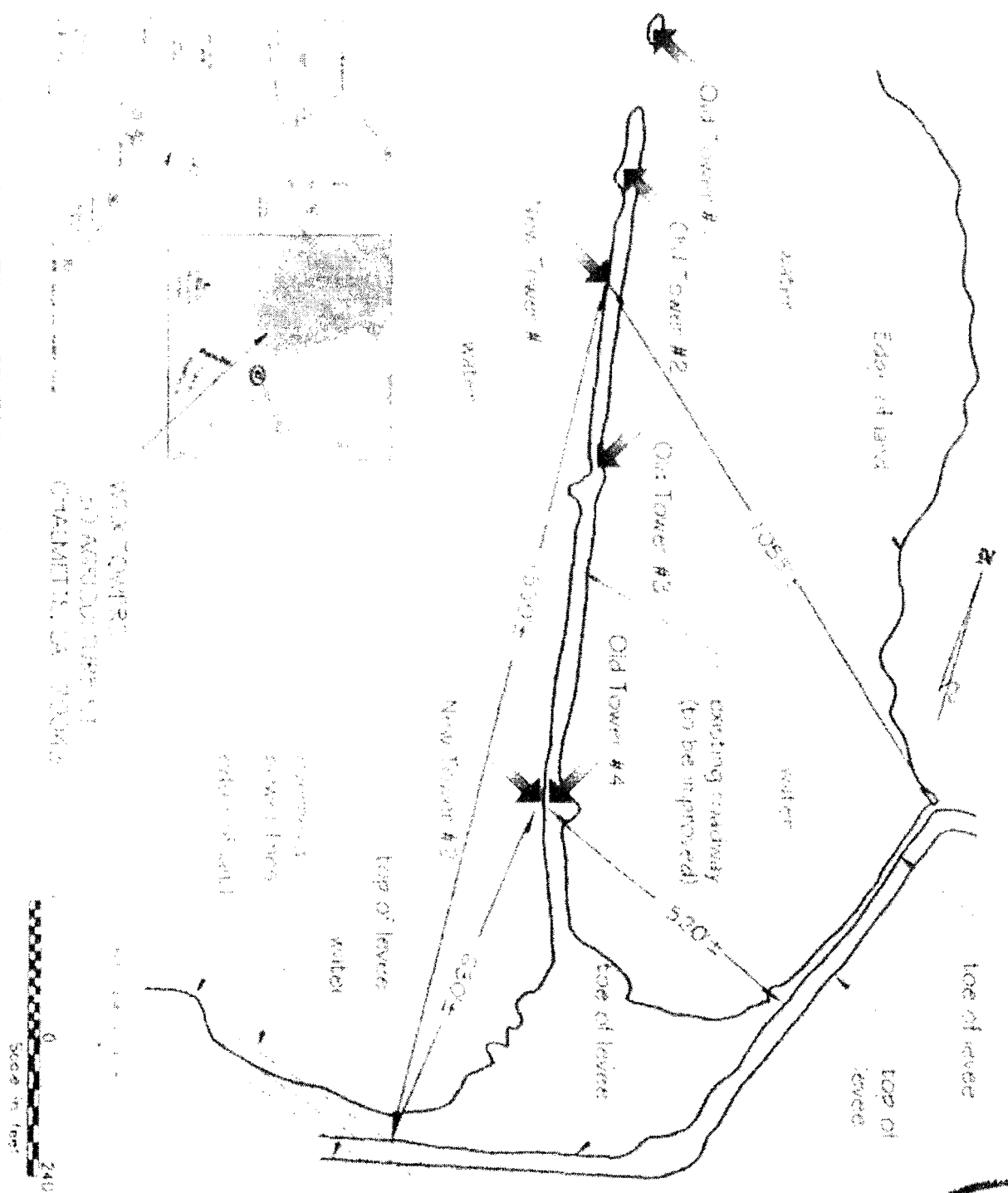
The New Orleans District Regulatory Branch is committed to providing quality and timely service to our customers. In an effort to improve customer service, please take a moment to complete and return the attached Customer Service Survey or go to the survey found on our web site at <http://per2.nwp.usace.army.mil/survey.html>.

Should you have any further questions concerning this matter, please call Brad LaBorde of this office at (504) 862-2225.

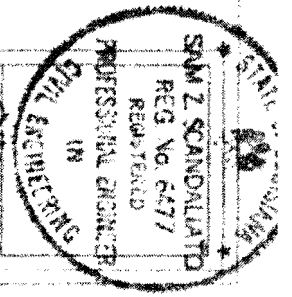
Sincerely,

Pete J. Serio
Chief, Regulatory Branch

Enclosures



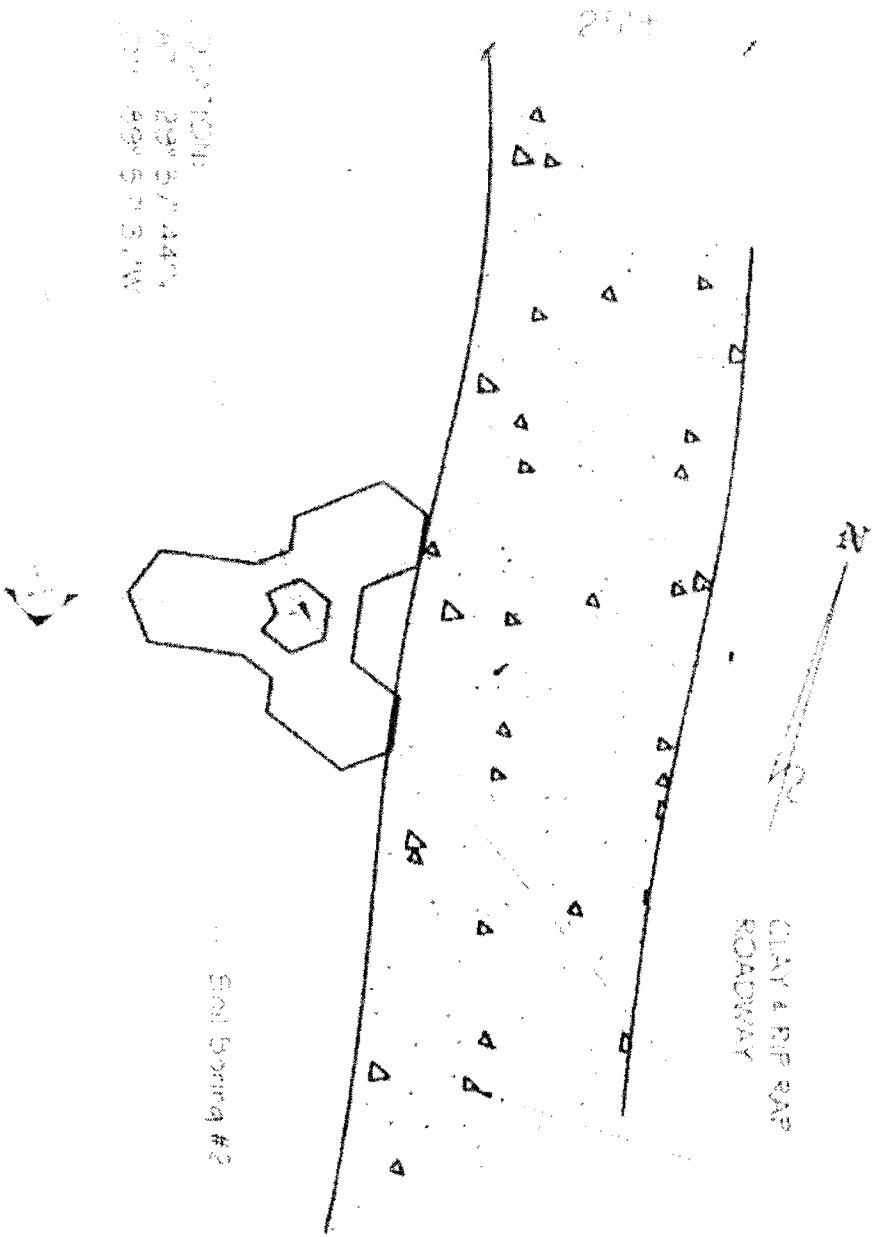
WATER TOWER
 20' DIAMETER
 CHALMERS, CA 90004



SZS CONSULTANTS, INC.
 ENGINEERS • SURVEYORS • ENVIRONMENTALISTS
 610 BARCLAY ST. SUITE 102
 NEW ORLEANS, LA 70115

DATE: 11-1-01	BY: [Signature]
CHECKED: [Signature]	DATE: 11-1-01
PROJECT: [Illegible]	
SHEET: [Illegible]	

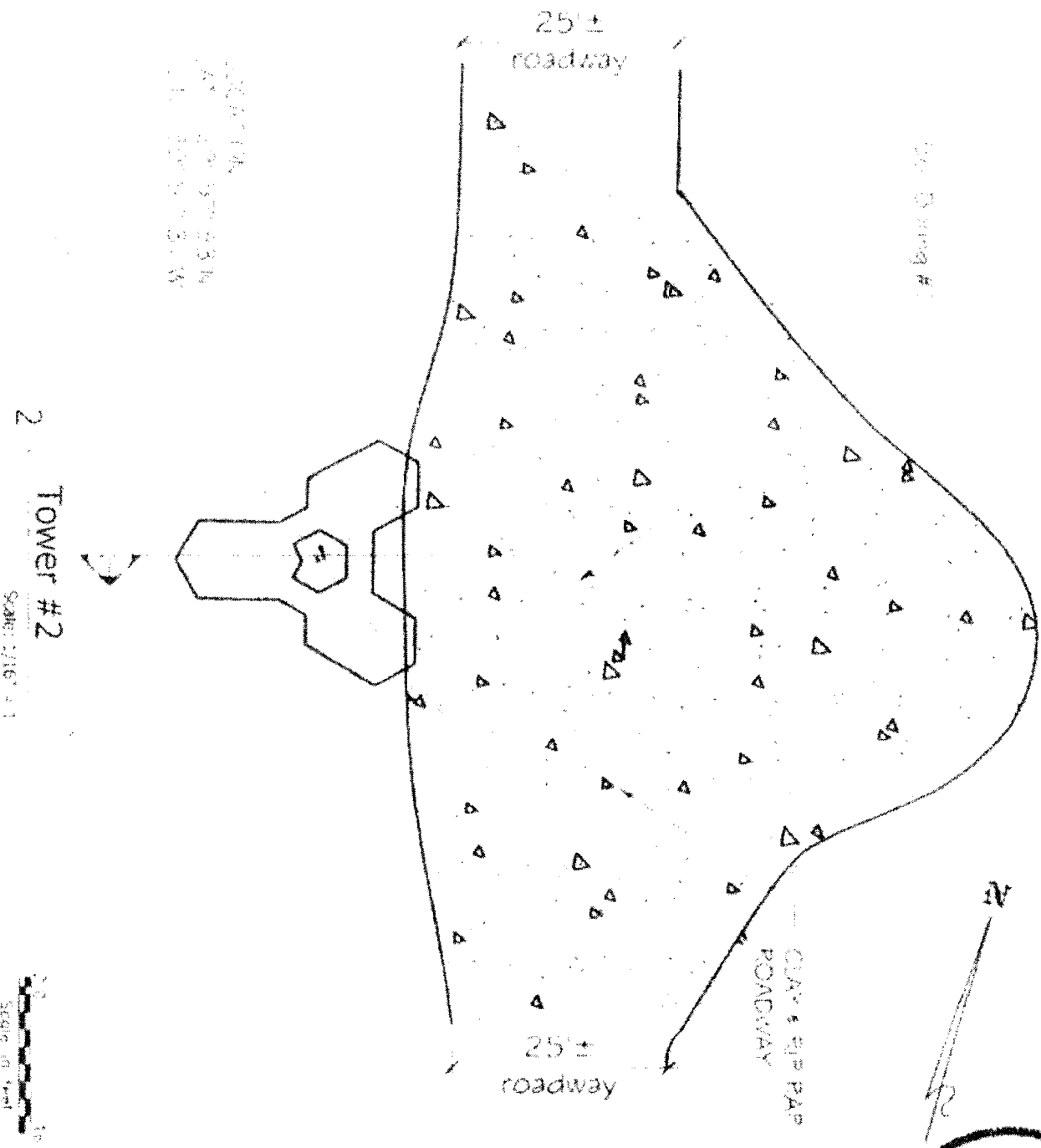
29° 57' 44" N
 49° 57' 31" W



2 Tower #1
 (Scale 1:1000)



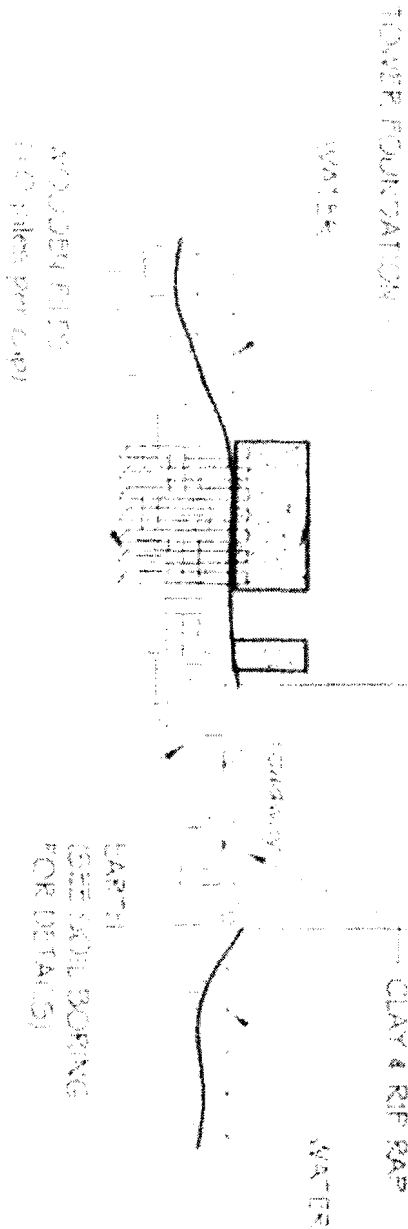
SZS CONSULTANTS, INC. ENGINEERS - SURVEYORS - ENVIRONMENTALISTS 616 RAVENHILL ST. SUITE 602 NEW ORLEANS, LA 70114		10-27-11	SAM Z. SCARDALATO REG. NO. 6477 REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
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2 Tower #2

Scale: 1/16" = 1'

SZS CONSULTANTS, INC. ENGINEERS • SURVEYORS • ENVIRONMENTALISTS 614 MARSHALL ST. SUITE 402 NEW ORLEANS, LA 70111		11.11.11 10	STATE OF LOUISIANA SAM Z. SCANDALATO REG. NO. 6477 REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
PROJECT NO. 12345 SHEET NO. 1 OF 1		11.11.11 10	



1
CROSS SECTION (typ)

Scale: 1/16" = 1'



SZS CONSULTANTS, INC. ENGINEERS • SURVEYORS • ENVIRONMENTALISTS 1100 TRAVELERS BLVD. SUITE 100 NEW ORLEANS, LA 70115		DRAWN BY: [Signature] 11-17-11 11-17-11	SAM Z. SCANTALATO REG. NO. 6477 REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
PROJECT NO. 11-17-11 SHEET NO. 1 OF 1		11-17-11	

PGP SPECIAL CONDITIONS

Rev 07/2011

1. Activities authorized under this programmatic general permit (PGP) shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single and complete project shall be treated together as constituting one action. Multi-phased projects shall be treated as constituting one single and complete project. This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.
2. No activity is authorized under this general permit which may adversely affect significant cultural resources listed or eligible for listing in the National Register of Historic Places until the requirements for Section 106 of the National Historic Preservation Act are met. Upon discovery of the presence of previously unknown historic and/or prehistoric cultural resources, all work must cease and the permittee must notify the State Historic Preservation Office and the Army Corps of Engineers, New Orleans District Regulatory Branch (CEMVN). The authorization is suspended until it is determined whether or not the activity will have an adverse effect on cultural resources. The authorization may be reactivated or modified through specific conditions if necessary, if it is determined that the activity will have no adverse effect on cultural resources. The CEMVN-PGP authorization will be revoked if it is determined that cultural resources would be adversely affected, and an individual permit may be necessary.
3. The Chitimacha Tribe of Louisiana has stated that the project area is part of the aboriginal Chitimacha homelands. If during the course of work at the site, prehistoric and/or historic aboriginal cultural materials are discovered, the permittee shall contact the Chitimacha Tribe of Louisiana at P.O. Box 661, Charenton, LA 70523, and the US Army Corps of Engineers, New Orleans District, Regulatory Branch (CEMVN). CEMVN, Regulatory Branch will initiate the required federal, state, and tribal coordination to determine the significance of the cultural materials and the need, if applicable, for additional cultural resource investigations.
4. There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein. The permittee will, at his or her expense, install and maintain any safety lights, signals, and signs prescribed by the United States Coast Guard, through regulations or otherwise, on authorized facilities or on equipment used in performing work under the authorization.
5. No activity may substantially disrupt the movement of those species of aquatic life indigenous to the waterbody, including those species which normally migrate through the area, unless the activity's primary purpose is to block or impound water.
6. If the proposed activity involves the installation of aerial transmission lines, submerged cable, or submerged pipelines across navigable waters of the United States the following is applicable:

The National Ocean Service (NOS) has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Your notification of completion must include a drawing which certifies the location and configuration of the completed activity (a certified permit drawing may be used). Notification to NOS will be sent to the following address: National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Springs, Maryland 20910-3282.

7. For pipelines under an anchorage or a designated fairway in the Gulf of Mexico the following is applicable:

The National Ocean Service has been notified of this authorization. You must notify NOS and this office in writing, at least two weeks before you begin work and upon completion of the activity authorized by this permit. Within 30 days of completion of the pipeline, 'as built' drawings certified by a professional engineer registered in Louisiana or by a registered surveyor shall be furnished to this office, the U.S. Coast Guard, Sector New Orleans Command Center, 201 Hammond Highway, Metairie, Louisiana 70005, and to the Director, National Ocean Service, Office of Coast Survey, N/CS261, 1315 East West Highway, Silver Springs, Maryland 20910-3282. The plans must include the location, configuration and actual burial depth of the completed pipeline project.

8. If the proposed project, or future maintenance work, involves the use of floating construction equipment (barge mounted cranes, barge mounted pile driving equipment, floating dredge equipment, dredge discharge pipelines, etc.,) in the waterway, you are advised to notify the U.S. Coast Guard, about 1 month before you plan to start work, so that a Notice to Mariners, if required, may be prepared. Telephone inquiries can be directed to (504) 365-2282.

9. All activities authorized herein shall, if they involve, during their construction or operation, any discharge of pollutants into waters of the United States, be at all times consistent with applicable water quality standards, effluent limitations and standards of performance, prohibitions, pretreatment standards and management practices established pursuant to the Clean Water Act (PL 92-500: 86 Stat 816), or pursuant to applicable state and local laws.

10. Substantive changes to the Louisiana Coastal Resources Program may require immediate suspension and revocation of this permit in accordance with 33 CFR 325.7.

11. Irrespective of whether a project meets the criteria of this permit, the Corps of Engineers retains discretionary authority to require an individual Department of the Army permit when circumstances of the proposal warrant this requirement.

12. Any authorization granted under this permit may be either modified, suspended, or revoked in whole or in part if the Secretary of the Army or his authorized representative determines that there has been a violation of any of the terms or conditions of this permit or that such action would otherwise be in the public interest.

13. The Corps of Engineers may suspend, modify, or revoke this general permit if it is found in the public interest to do so.

14. Activities proposed for authorization under the PGP must comply with all other necessary federal, state, and/or local permits, licenses, or approvals. Failure to do so would result in a violation of the terms and conditions of CEMVN-PGP.

15. The permittee shall allow the District Commander or his authorized representative(s) or designee(s) to make periodic inspections of the project site(s) and authorized activities at any time deemed necessary in order to assure that the work being performed under authority of this permit is in accordance with the terms and conditions prescribed herein.

16. This general permit does not convey any property rights, either in real estate or material, or any exclusive privileges; nor does it authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations nor does it obviate the responsibility to obtain state or local assent required by law for the activity authorized herein.

17. The federal government will rely upon information and data supplied by the applicant in granting authorization under this permit. If information and data received subsequent to permit issuance prove to be false, incomplete, or inaccurate, the authorization may be modified, suspended, or revoked, in whole or in part.

18. Sewage generated through authorized activities shall be processed through a municipal sewage treatment system or, in areas where tie-in to a municipal system is not practical, the on-site sewerage system must be approved by the local parish sanitarian before construction.

19. Any modification, suspension, or revocation of this general permit, or actions granted under such, will not be the basis for any claim for damages against the United States.

20. Additional conditions deemed necessary to protect the public interest may be added to this general permit by the District Commander at any time. If additional conditions are added, the public will be advised of such by public notice. Authorizations granted under this PGP may include special conditions deemed necessary to ensure minimal impact and compliance with this PGP.

21. A review of cumulative losses as authorized via this general permit will be accomplished yearly in or around the month of October. A report of losses will be furnished to the Environmental Protection Agency, the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, and the Louisiana Department of Wildlife and Fisheries. Comments from reviewing agencies will be considered in determination as to whether modifications to the general permit are needed. Should the District Commander make a determination not to incorporate a change proposed by a reviewing agency, after normal negotiations between the respective agencies, the District Commander will explain in writing to the reviewing agency the basis and rationale for his decision.

22. The New Orleans District will periodically review CEMVN-PGP and its terms, conditions, and processing procedures and will decide to either modify, reissue, or revoke the permit. If the PGP is not modified or reissued within 5 years of its effective date, it automatically expires and becomes null and void. Authorizations which have commenced or are under contract to commence prior to permit expiration will remain authorized provided the activity is completed within 12 months of the date of CEMVN-PGP expiration, modification, or revocation.

23. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

24. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

25. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of the find. We will initiate the Federal and State coordination required to determine if the discovery warrants a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

26. If you sell the property associated with this permit, you must provide this office with a copy of the permit and a letter noting your agreement to transfer the permit to the new owner and the new owners agreement to accept the permit and abide by all conditions of the permit. This letter must be signed by both parties.

27. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.

28. Many local governing bodies have instituted laws and/or ordinances in order to regulate dredge and/or fill activities in floodplains to assure maintenance of floodwater storage capacity and avoid disruption of drainage patterns that may affect surrounding properties. If your project involves dredging and/or placement of fill, you must contact the local municipal and/or parish governing body regarding potential impacts to floodplains and compliance of your proposed activities with local floodplain ordinances, regulations or permits.

29. If the proposed work includes the installation of pipeline(s) in waterways, the permittee will maintain the burial depth below the mudline, as shown on the attached drawings. Maintenance operations under this permit include lowering the pipeline(s) to conform to erosive changes of the mudline contour. Burial of the pipeline(s) below the elevation shown on the drawings is authorized for maintenance of the required burial depth or if erosion is expected at the site.



St. Bernard Parish Council

8201 West Judge Perez Drive Chalmette, Louisiana, 70043
(504) 278-4228 Fax (504) 278-4209
www.sbpq.net

#13

Wayne J. Landry
Councilman at Large

Frank Auderer

EXTRACT OF THE OFFICIAL PROCEEDINGS OF THE COUNCIL OF THE PARISH OF ST. BERNARD, STATE OF LOUISIANA, TAKEN AT A REGULAR MEETING HELD IN THE COUNCIL CHAMBERS OF THE ST. BERNARD PARISH GOVERNMENT COMPLEX, 8201 WEST JUDGE PEREZ DRIVE CHALMETTE, LOUISIANA ON TUESDAY, NOVEMBER 15, 2011 AT ONE O'CLOCK P.M.

Ray Lauga, Jr.
*Councilman
District A*

On motion of Mr. Landry, seconded by Mr. Everhardt, it was moved to approve the following permit as **RECOMENDED** by the Coastal Zone Advisory Committee.

George Cavignac
*Councilman
District B*

a. P20111392 WTIX, Inc- Replacement of two radio towers.

Kenneth "Kenny" Henderson
*Councilman
District C*

The above and foregoing having been submitted to a vote, the vote thereupon resulted as follows:

Mike Ginart, Jr.
*Councilman
District D*

YEAS: Cavignac, Henderson, Ginart, Everhardt, Landry

NAYS: None

Fred E. Everhardt, Jr.
*Councilman
District E*

ABSENT: None

DID NOT VOTE: Lauga

Roxanne Adams
Clerk of Council

The Chairman, Mr. Auderer, cast his vote as YEA.

And the motion was declared **adopted** on the 15th day of November, 2011.

CERTIFICATE

I HEREBY CERTIFY that the above and foregoing is a true and correct copy of a motion adopted at a Regular Meeting of the Council of the Parish of St. Bernard, held at Chalmette, Louisiana, on Tuesday, November 15, 2011.

Witness my hand and the seal
of the Parish of St. Bernard on
this 15th day of November, 2011.

ROXANNE ADAMS
CLERK OF COUNCIL

EXHIBIT H

Qualifications of Environmental Professionals



LARRY H. TOWNSEND, P.E., ME, EV, CMC
VICE PRESIDENT
SENIOR ENVIRONMENTAL ENGINEER
TECHNICAL ENVIRONMENTAL SERVICES, INC.

3/2011

EDUCATION:

DATE

LOCATION
DEGREE

9/67 - 9/71

Georgia Institute of Technology
Bachelor of Mechanical Engineering
Atlanta, GA

PROFESSIONAL HISTORY:

Technical Environmental Services, Inc., Marrero, Louisiana,
Vice President (August, 1993 - Present)

- Currently a Louisiana Registered Professional Environmental and Mechanical Engineer (#E-24972) and board certified microbial consultant with extensive environmental experience, and training, including DEQ asbestos abatement designer, asbestos management planning, asbestos inspection and asbestos trainer certifications. Also a Mississippi Registered Professional Engineer (#18451).
- Provides a variety of mechanical and environmental engineering services to business and industry including: Expert testimony and forensic engineering (Has been accepted as an expert in environmental engineering, microbial consulting, mechanical engineering, and mold remediation by the Civil District Court for the Parish of Orleans, State of Louisiana and as an expert in environmental engineering, microbial consulting, and mechanical engineering by the 25th Judicial District Court, Parish of Plaquemines, State of Louisiana, and as an expert in mechanical engineering, and an expert certified microbial consultant by the United States District Court, Eastern District of Louisiana).
- Performs and supervises detailed Indoor Air Quality (IAQ) evaluations which includes recommended remediation plan development for suspect "sick buildings".
- Developed detailed remediation specifications and project management and oversight for the largest mold and asbestos remediation projects in the United States.
- In addition, has been principally involved in HVAC and ventilation system evaluation and design for building and industrial applications; Noise exposure assessments and noise control design for large complex industrial applications; Phase I & II Site Assessments; Air permit applications and EIS updates; NPDES permit applications and DMR submissions; Negotiating permits with the EPA and the



LADEQ; SARA Title III reporting; SPCC plan development; and, providing assistance with hazardous waste notifications, permits and disposal assistance.

Avondale Industries, Inc., New Orleans, Louisiana (November, 1981 - August, 1993)

- Assistant Plant Engineer
- Chief of Utilities Engineer

- Managed the environmental, civil and mechanical engineering, facility and utility new construction and maintenance, and fire department, of the third largest shipyard with over 1,500,000 sq. ft. under roof.

- Facilitated the development of environmental compliance programs and procedures for the third largest U.S. shipyard and its divisions comprised of ship repair facilities, oil rig construction and a foundry.

- Provided environmental, mechanical, noise attenuation and structural design on such projects as manufacturing and office buildings, sewage treatment plants, lift stations, storm water drainage, HVAC systems, boiler installations, large (2,500 Hp) compressor installations, process piping installations, foundations and lifting devices.

- Prepared and negotiated air and NPDES water permits.

- Responsible for SARA Title III reporting, underground storage tank closures, EIQ preparation and EIS updates.

- Participated on a superfund site PRP Technical Committee.

- Developed waste management and waste minimization plans.

Torrington Company, Sylvania, Georgia; Torrington, Connecticut (March, 1973 - November, 1981)

- Plant Engineer
- Project Engineer

- Supervised Manufacturing and Plant Engineering while managing facility maintenance, capital improvements, and the waste treatment facility.

- Responsible for the development and implementation of environmental, safety and health programs to ensure compliance for the world's largest needle bearing plant.

- Developed plans for waste management, minimization and hazardous waste handling and disposal.



MAJOR ACCOMPLISHMENTS:

- Developed mold sampling protocols, remediation mold specifications, asbestos specifications, and provided project management and clearance monitoring for a large University (100+ buildings) in New Orleans.
- Designed and managed construction of an 1,100 FT long wet dock with traveling 100-ton gantry cranes.
- Developed mold sampling protocols, mold remediation specifications, and provided project management for 23 story hotel mold remediation project in north Louisiana, a 4 story government building in New Orleans, and many other large scale mold remediation projects.
- Developed asbestos sampling protocols, detailed asbestos remediation specifications, and provided project management for many large and small asbestos abatement projects including the entire power generation station for the island of Kauai, various school and dormitory buildings, power plants, and classrooms.
- Designed and managed construction of a 5 barge gas freeing and oil separation complex including 300 gpm oily water separators, steam boilers and energy efficient hot water generators.
- Performed noise surveys (OBA analysis) and designed abatement methods implemented on several 3,000 Hp reciprocating pump drivers and their components on the main offshore LOOP platform.
- Project manager for an 85,000 SF Torrington plant expansion including doubling the size of the cyanide destruction facility.

PROFESSIONAL SOCIETIES:

Current Affiliations:

- Louisiana Engineering Society
- National Society of Professional Engineers
- American Society of Mechanical Engineers
- Indoor Air Quality Association, Inc.
- Air and Waste Management Association

Past Affiliations:

- Shipbuilders Council of America
- American Institute of Plant Engineers
- Society of Manufacturing Engineers



MASON G. STEVENSON
SENIOR ENVIRONMENTAL GEOLOGIST
TECHNICAL ENVIRONMENTAL SERVICES, INC.

EDUCATION:

<u>YEAR</u>	<u>UNIVERSITY</u>	<u>DEGREE</u>
1984	Louisiana State University Baton Rouge, Louisiana	B.S. Geology Professional

PROFESSIONAL CERTIFICATIONS:

LOUISIANA DEPARTMENT of ENVIRONMENTAL QUALITY -

Underground Storage Tank Closure Certification Cert #(C-0535);
Lead Hazard Inspector Certification #(Pb02100187)
Asbestos Contractor/Supervisor #(9S04018)

PROFESSIONAL HISTORY:

Technical Environmental Services, Inc., Marrero, Louisiana,.

- **Senior Environmental Geologist**, August 2006 to present - Perform and manage ASTM Phase I Site Investigations, Phase II Soil and Groundwater Investigations, Contaminated Soil Remediation Design and Oversight; Underground Storage Tank Closure; Mold and Lead Inspections. Assists clients with Air, Water, and Hazardous Waste Permits.

Aurora Environmental Consultants LLC., Gretna, Louisiana.

- **Owner/Principal Environmental Geologist**, 2003-2006. Perform and manage ASTM Phase I Site Investigations, Phase II Soil and Groundwater Investigations, Risk Evaluations and Remediation.

Environmental Auditors of America Inc., New Orleans, Louisiana,

- **Environmental Geologist**, 1993-2003 - Perform and manage ASTM Phase I Site Investigations, Phase II Soil and Groundwater Investigations, and Remediation.

Omni Laboratory, New Orleans Louisiana,

- **Core Analyst**, 1985-1992 - Evaluation of exploration and production wells. Through the use of sidewall core analysis for oil companies in the gulf coast region. Provide valuable formation data utilizing company designed software to determine permeability, porosity and other formation evaluation parameters. Assisted sales engineer in making analytical and sales presentations to clients. Geophysical analysis of percussion sidewall and conventional core. International experience training personnel in the implementation of an innovative resin core stabilization process. Experienced in the analysis of unconsolidated and friable cores.