



MISSISSIPPI
DEPARTMENT OF WILDLIFE, FISHERIES, AND PARKS

Sam Polles, Ph.D.
Executive Director

February 10, 2012

Marc Hess
SWCA Environmental Consultants
7255 Langtry Street
Suite 100
Houston, TX 77040

Re: Potential Utility Line
Hurley, Big Point, Pascagoula North, Grand Bay SW Quads **R# 8807**
Jackson County, Mississippi

To Whom It May Concern,

In response to your request for information dated February 1, 2012, we have searched our database for occurrences of state or federally listed species and species of special concern that occur within 2 miles of the site of the proposed project. Please find our concerns and recommendations below.

Scientific Name	Common Name	Federal Status	State Rank	State Status	County	Quad Name	Alt Quad Name
<i>Rana sevens</i>	Dark Gopher Frog	LE	S1	LE	Jackson	BIG POINT	HURLEY SW
<i>Lobelia boykinii</i>	Boykin's Lobelia		S1		Jackson	BIG POINT	HURLEY SW
<i>Rhynchospora tracyi</i>	Tracy's Beakrush		S1		Jackson	BIG POINT	HURLEY SW
<i>Stylisma aquatica</i>	Water Southern Morning-glory		S1		Jackson	BIG POINT	HURLEY SW
<i>Pieris phillyreifolia</i>	Climbing Fetter-bush		S1		Jackson	BIG POINT	HURLEY SW
<i>Dichanthelium wrightianum</i>	Wright's Witchgrass		S1S2		Jackson	BIG POINT	HURLEY SW
<i>Chamaecyparis thyoides</i>	Atlantic White Cedar		S2		Jackson	BIG POINT	HURLEY SW
<i>Hypericum myrtifolium</i>	Myrtle-leaved St. Johnswort		S2		Jackson	BIG POINT	HURLEY SW
<i>Gopherus polyphemus</i>	Gopher Tortoise	PS:LT	S2	LE	Jackson	BIG POINT	HURLEY SW
Wet slash (longleaf) pine savanna/forest/flatwoods	Longleaf/slash Pine - Swamp Titi - Giant Cane		S2		Jackson	BIG POINT	HURLEY SW
Grady pond swamp forest	Bald/pond Cypress - Sweetbay Magnolia - Swamp Blackgum		S2		Jackson	BIG POINT	HURLEY SW
<i>Notropis chalybaeus</i>	Ironcolor Shiner		S2	LE	Jackson	BIG POINT	HURLEY SW
<i>Pinguicula planifolia</i>	Chapman's Butterwort		S2		Jackson	BIG POINT	HURLEY SW

Rhododendron austrinum	Florida Flame Azalea		S2S3		Jackson	BIG POINT	HURLEY SW
Pseudemys alabamensis	Alabama Redbelly Turtle	LE	S1	LE	Jackson	GRAND BAY SW	
Lycium carolinianum	Carolina Wolf-berry		S1?		Jackson	GRAND BAY SW	
Sageretia minutiflora	Tiny-leaved Buckthorn		S2		Jackson	GRAND BAY SW	
Juniperus virginiana var. silicicola	Southern Red Cedar		S2		Jackson	GRAND BAY SW	
Stylisma aquatica	Water Southern Morning-glory		S1		Jackson	HURLEY	HURLEY NW
Sarracenia purpurea var. burkii	Rose Pitcherplant		S1		Jackson	HURLEY	HURLEY NW
Quaking bog	Bog Spicebush - Coastal Sedge - Sphagnum		S1		George	HURLEY	HURLEY NW
Cambarellus diminutus	Least Crayfish		S2		Jackson	HURLEY	HURLEY NW
Wet slash (longleaf) pine savanna/forest/wetwoods	Longleaf/slash Pine - Swamp Titi - Giant Cane		S2		Jackson	HURLEY	HURLEY NW
Chamaecyparis thuyoides	Atlantic White Cedar		S2		Jackson	HURLEY	HURLEY NW
Fallicambarus burrisi	Burris' Burrowing Crawfish		S2		Jackson	HURLEY	HURLEY NW
Carex verrucosa	Wartysedge		S2		Jackson	HURLEY	HURLEY NW
Pitcher plant flat/bog/wet savanna	Yellow Trumpets/parrot Pitcherplant - Beaksedge - Stoke's Aster - Goldencrest - Flat Pipewort		S2		Jackson	HURLEY	HURLEY NW
Grady pond swamp forest	Bald/pond Cypress - Sweetbay Magnolia - Swamp Blackgum		S2		Jackson	HURLEY	HURLEY NW
Gopherus polyphemus	Gopher Tortoise	PS:LT	S2	LE	Jackson	HURLEY	HURLEY NW
Platanthera blephariglottis	Large White Fringed Orchid		S2		George	HURLEY	HURLEY NW
Lachnocaulon digynum	Pineland Bogbutton		S2		George	HURLEY	HURLEY NW
Xyris drummondii	Drummond's Yellow-eyed Grass		S2		George	HURLEY	HURLEY NW
Pinguicula planifolia	Chapman's Butterwort		S2		George	HURLEY	HURLEY NW
Lindera subcoriacea	Bog Spice Bush		S2		George	HURLEY	HURLEY NW
Carex exilis	Coast Sedge		S2		George	HURLEY	HURLEY NW
Panicum nudicaule	Naked-stemmed Panic Grass		S2		George	HURLEY	HURLEY NW
Thryomanes bewickii	Bewick's Wren		S2B,S3 N	LE	Jackson	HURLEY	HURLEY NW
Calopogon barbatus	Bearded Grass-pink		S2S3		Jackson	HURLEY	HURLEY NW
Rhododendron austrinum	Florida Flame Azalea		S2S3		Jackson	HURLEY	HURLEY NW
Sarracenia leucophylla	Crimson Pitcher-plant		S2S3		Jackson	HURLEY	HURLEY NW
Dalea carnea var. gracilis	Pine Barrens Prairie Clover		S2S3		George	HURLEY	HURLEY NW
Melanthium virginicum	Virginia Bunchflower		S2S3		George	HURLEY	HURLEY NW
Rhynchospora stenophylla	Chapman Beakrush		S2S3		George	HURLEY	HURLEY NW
Eriocaulon texense	Texas Pipewort		S2S3		George	HURLEY	HURLEY NW
Eustoma exaltatum	Tall Prairie-gentain		S1		Jackson	PASCAGOUL A NORTH	
Pseudemys alabamensis	Alabama Redbelly Turtle	LE	S1	LE	Jackson	PASCAGOUL A NORTH	
Chamaecyparis thuyoides	Atlantic White Cedar		S2		Jackson	PASCAGOUL A NORTH	
Haliaeetus leucocephalus	Bald Eagle	PS	S2B,S2 N		Jackson	PASCAGOUL A NORTH	

Sabatia bartramii	Bartram's Rose-gentian		S2		Jackson	PASCAGOUL A NORTH
Andropogon capillipes	Chalky Bluestem		S1S2		Jackson	PASCAGOUL A NORTH
Agalinis aphylla	Coastal Plain False-foxglove		S2S3		Jackson	PASCAGOUL A NORTH
Polygala crenata	Crenate Milkwort		S1S2		Jackson	PASCAGOUL A NORTH
Ilex cassine	Dahoon Holly		S2		Jackson	PASCAGOUL A NORTH
Andropogon gyrans var. stenophyllus	Elliott's Bluestem (Var.2)		S1S2		Jackson	PASCAGOUL A NORTH
Spiranthes longilabris	Giant Spiral Ladies'-tresses		S2		Jackson	PASCAGOUL A NORTH
Epidendrum conopseum	Green-fly Orchid		S2		Jackson	PASCAGOUL A NORTH
Nerodia clarkii clarkii	Gulf Salt Marsh Snake		S2?		Jackson	PASCAGOUL A NORTH
Acipenser oxyrinchus desotoi	Gulf Sturgeon	LT	S1	LE	Jackson	PASCAGOUL A NORTH
Malaclemys terrapin pileata	Mississippi Diamondback Terrapin		S2		Jackson	PASCAGOUL A NORTH
Hypericum myrtifolium	Myrtle-leaved St. Johnswort		S2		Jackson	PASCAGOUL A NORTH
Dalea carnea var. gracilis	Pine Barrens Prairie Clover		S2S3		Jackson	PASCAGOUL A NORTH
Scleria reticularis	Reticulated Nutrush		S1		Jackson	PASCAGOUL A NORTH
Juniperus virginiana var. silicicola	Southern Red Cedar		S2		Jackson	PASCAGOUL A NORTH
Shell midden shrub/woodland	Southern Redcedar - False Buckthorn		S1		Jackson	PASCAGOUL A NORTH
Elanoides forficatus	Swallow-tailed Kite		S2B		Jackson	PASCAGOUL A NORTH
Agalinis filicaulis	Thin Stemmed False-foxglove		S2?		Jackson	PASCAGOUL A NORTH
Sageretia minutiflora	Tiny-leaved Buckthorn		S2		Jackson	PASCAGOUL A NORTH
Cladium mariscoides	Twig Rush		S1		Jackson	PASCAGOUL A NORTH

Portions of this project site may be located in suitable habitat for the federally threatened and state endangered Gopher Tortoise (*Gopherus polyphemus*). There are also documented occurrences of gopher tortoises within the proposed project site. Therefore, we recommend that gopher tortoise burrow surveys be conducted within twenty feet of the project site (particularly in well-drained sandy substrates). If tortoise burrows are found, the following individuals should be contacted: Kathy Shelton (krshelton64@gmail.com) with the MS Dept. of Wildlife, Fisheries, & Parks and David Felder (601-321-1131) of the U.S. Fish and Wildlife Service.

Please feel free to contact us if we can provide any additional information, resources, or assistance that will help minimize negative impacts to this area. We are happy to work with you to ensure that our state's precious natural heritage is conserved and preserved for future Mississippians.

Sincerely,



Joelle Carney, Database Manager/Biologist
Mississippi Natural Heritage Program
(601) 576-6000

The Mississippi Natural Heritage Program (MNHP) has compiled a database that is the most complete source of information about Mississippi's rare, threatened, and endangered plants, animals, and ecological communities. The quantity and quality of data collected by MNHP are dependent on the research and observations of many individuals and organizations. In many cases, this information is not the result of comprehensive or site-specific field surveys; most natural areas in Mississippi have not been thoroughly surveyed and new occurrences of plant and animal species are often discovered. Heritage reports summarize the existing information known to the MNHP at the time of the request and cannot always be considered a definitive statement on the presence, absence or condition of biological elements on a particular site.

AS REQUIRED BY THE FREEDOM OF INFORMATION ACT (FOIA) THIS FILE IS BEING MADE AVAILABLE ONLINE BECAUSE THE MOBILE DISTRICT FOIA OFFICE HAS RECEIVED MORE THAN THREE (3) REQUESTS FOR SAME. ANY QUESTIONS ABOUT THE FOIA PROCESS MUST BE DIRECTED TO OUR FOIA OFFICE.
FOIA-SAM@usace.army.mil

Appendix B

Gopher Tortoise Survey Maps

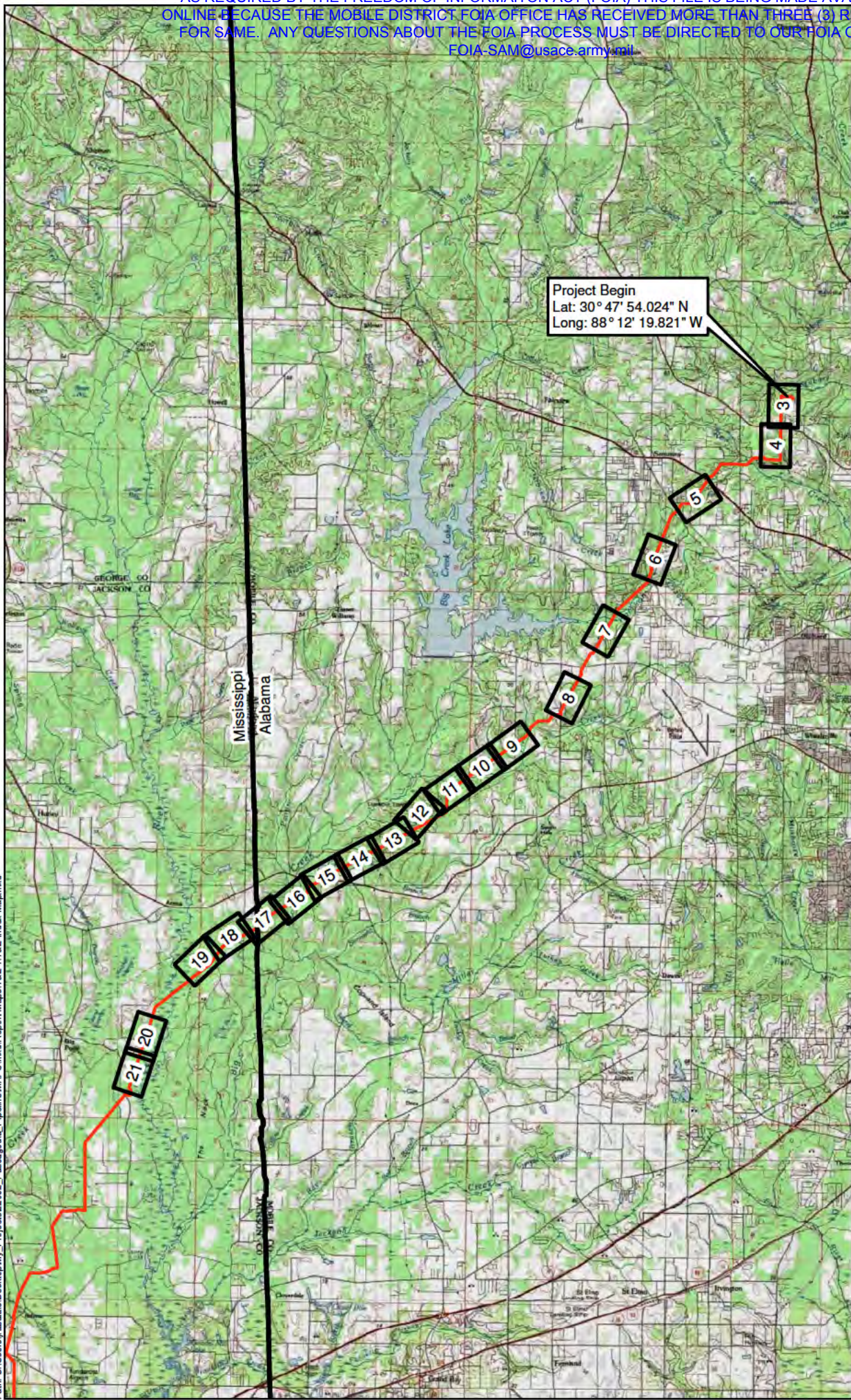
PLAINS SOUTHCAP L.L.C.

**SHEET INDEX
T & E SURVEY
41-MILE-LONG TEN-MILE
FACILITY TO PASCAGOULA
PIPELINE PROJECT**

**JACKSON COUNTY, MS
MOBILE COUNTY, AL**

Sheet 2 of 22

Project Begin
Lat: 30° 47' 54.024" N
Long: 88° 12' 19.821" W



LEGEND

— Project Centerline



Background: USA Topo maps (ESRI BaseMap)
Topographic Quad Name:
Mapper: JH
Approved By: JEM
SWCA Project No: 22992
Date Produced: 08/24/2012
Revision Date:



SWCA, Environmental Consultants
7255 Langley, Suite 100
Houston, Texas 77040
(713) 864-8800 phone
(713) 864-8800 fax
www.swca.com





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ENVIRONMENTAL CONSULTANTS
Sheet 3 of 22

PLAINS SOUTHCAP L.L.C.
T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
PASCAGOULA PIPELINE PROJECT
MOBILE COUNTY, AL

Legend

- Centerline
- Permanent RoW
- Temporary RoW
- Additional Workspace
- HDD RoW
- Burrow, Inside Work Corridor
- Burrow, Outside Work Corridor
- Streams
- Active Burrow

COMMENT:
USACE MOBILE DISTRICT

Background: Bing Maps Hybrid (2012)
Mapper: JR
Approved By: EM
SWCA Project No: 22932
Date Produced: 9/24/2012
Revision Date:

0 250 500 Feet
Coordinate System: NAD 1983 UTM Zone 16N
Units: Foot US



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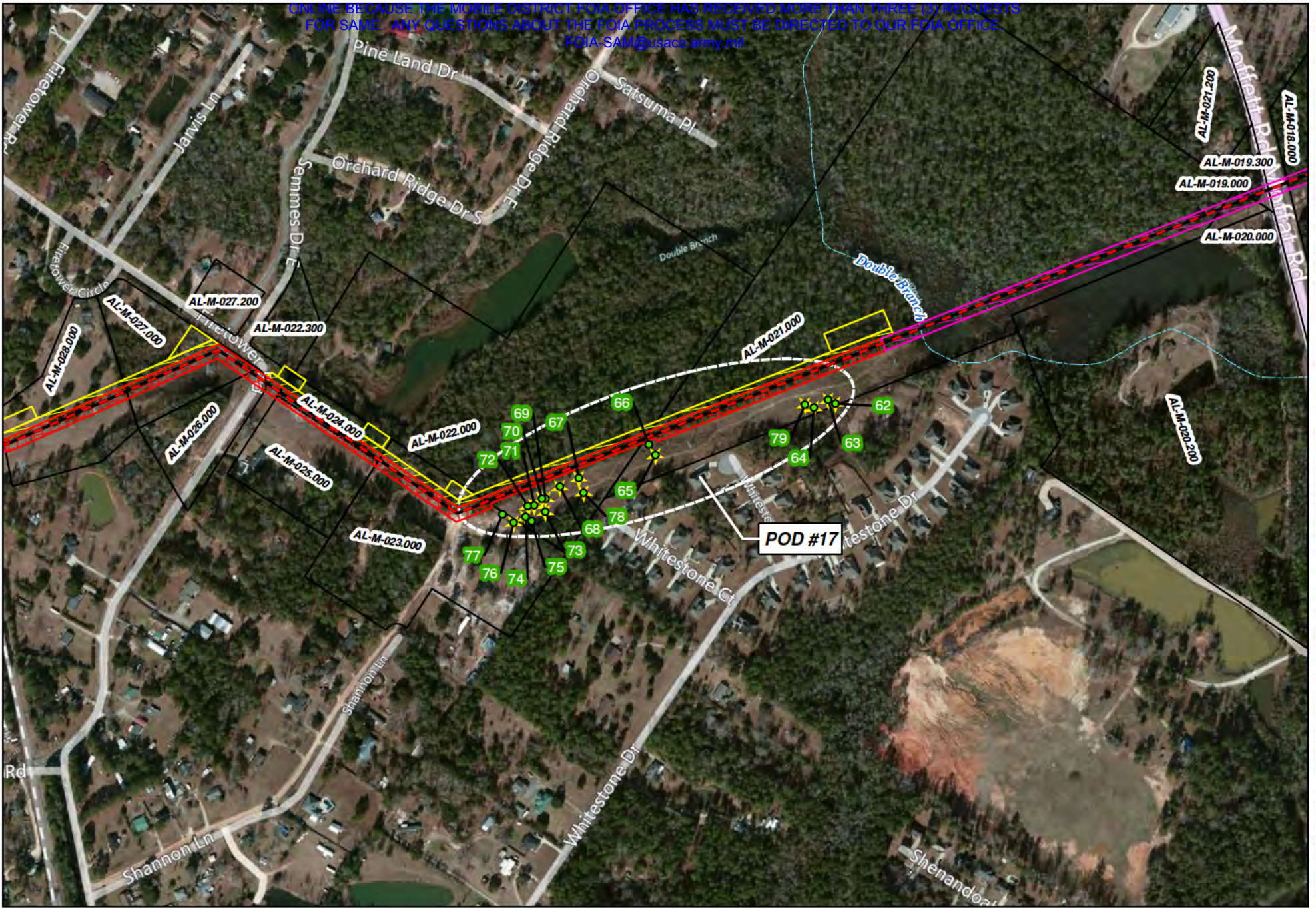
**PLAINS SOUTHCAP L.L.C.
T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
PASCAGOULA PIPELINE PROJECT
MOBILE COUNTY, AL**

Legend			
	Centerline		Active Burrow
	Permanent RoW		Burrow, Inside Work Corridor
	Temporary RoW		Burrow, Outside Work Corridor
	Additional Workspace		Streams
	HDD RoW		

COMMENT:
USACE MOBILE DISTRICT

Background: Bing Maps Hybrid (2012)
Mapper: JR
Approved By: EM
SWCA Project No: 22032
Date Produced: 9/24/2012
Revision Date:

Coordinate System: NAD 1983 UTM Zone 16N
Units: Foot US



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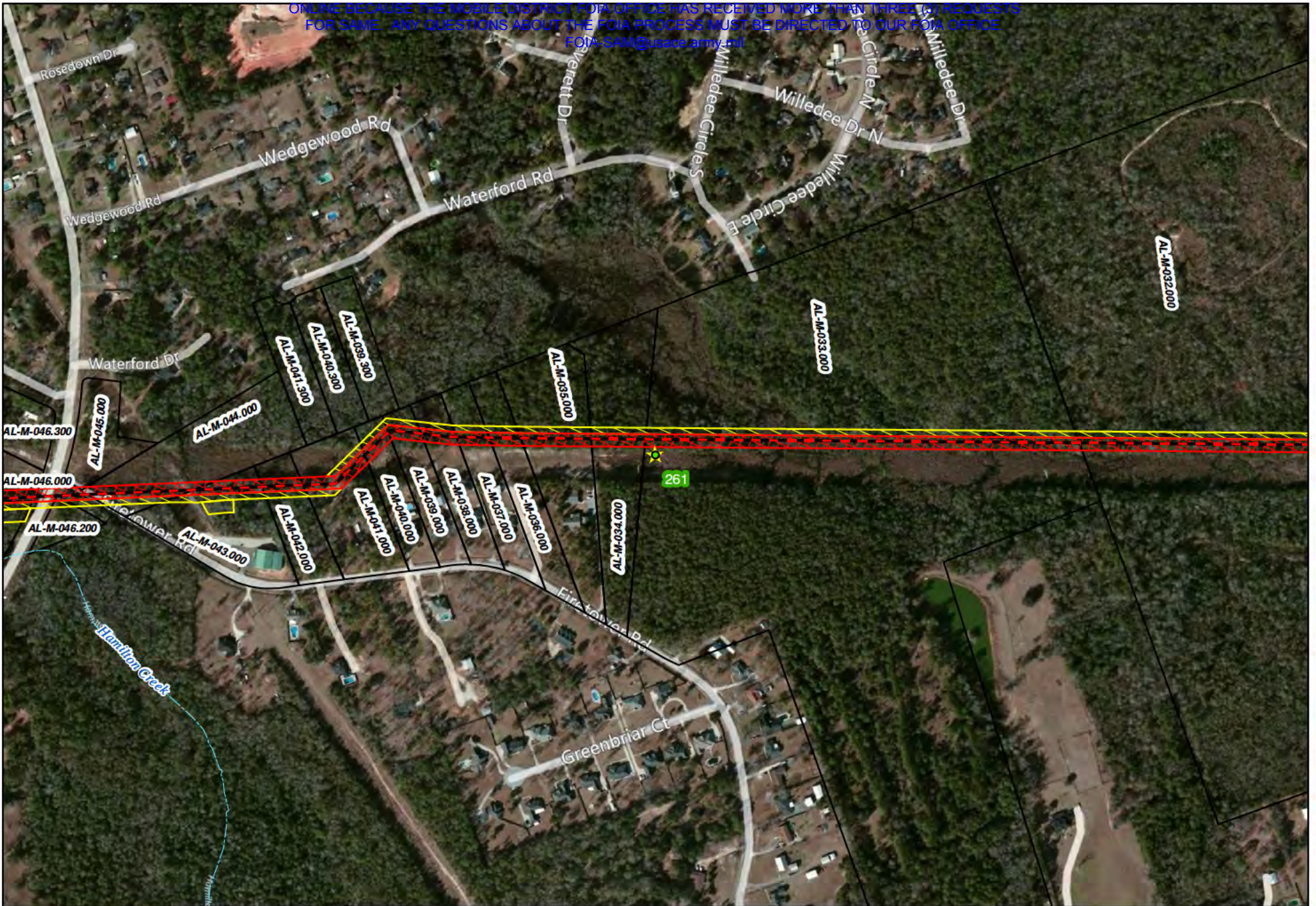
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T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
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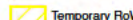
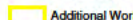
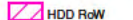
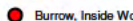
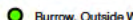
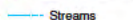

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**PLAINS SOUTHCAP L.L.C.
T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
PASCAGOULA PIPELINE PROJECT
MOBILE COUNTY, AL**

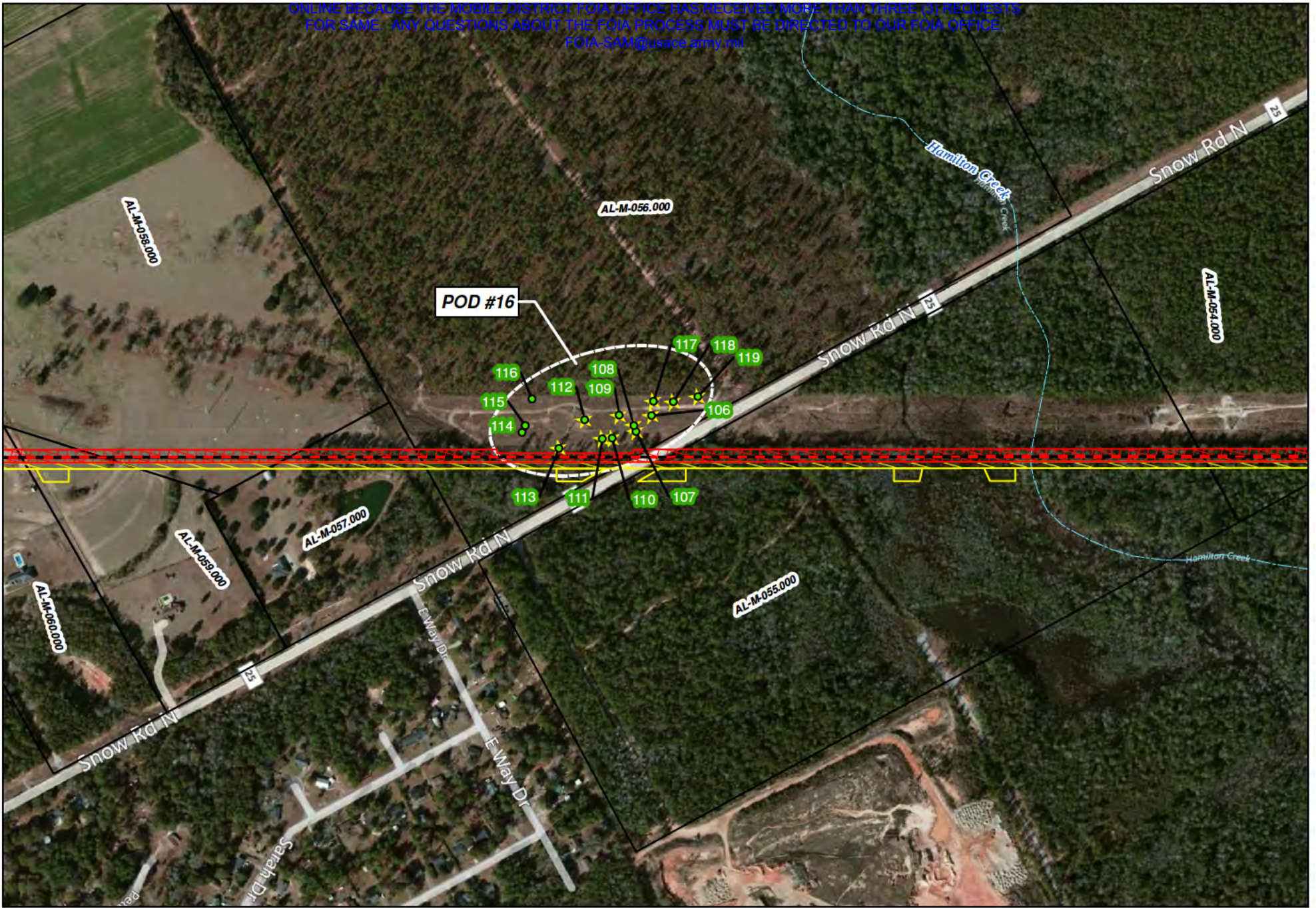
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-  Centerline
-  Permanent RoW
-  Temporary RoW
-  Additional Workspace
-  HDD RoW
-  Burrow, Inside Work Corridor
-  Burrow, Outside Work Corridor
-  Streams
-  Active Burrow

COMMENT:
USACE MOBILE DISTRICT



Background: Bing Maps Hybrid (2012)
Mapper: JR
Approved By: EM
SWCA Project No: 22932
Date Produced: 9/24/2012
Revision Date:
0 250 500 Feet
Coordinate System: NAD 1983 UTM Zone 16N
Units: Foot US



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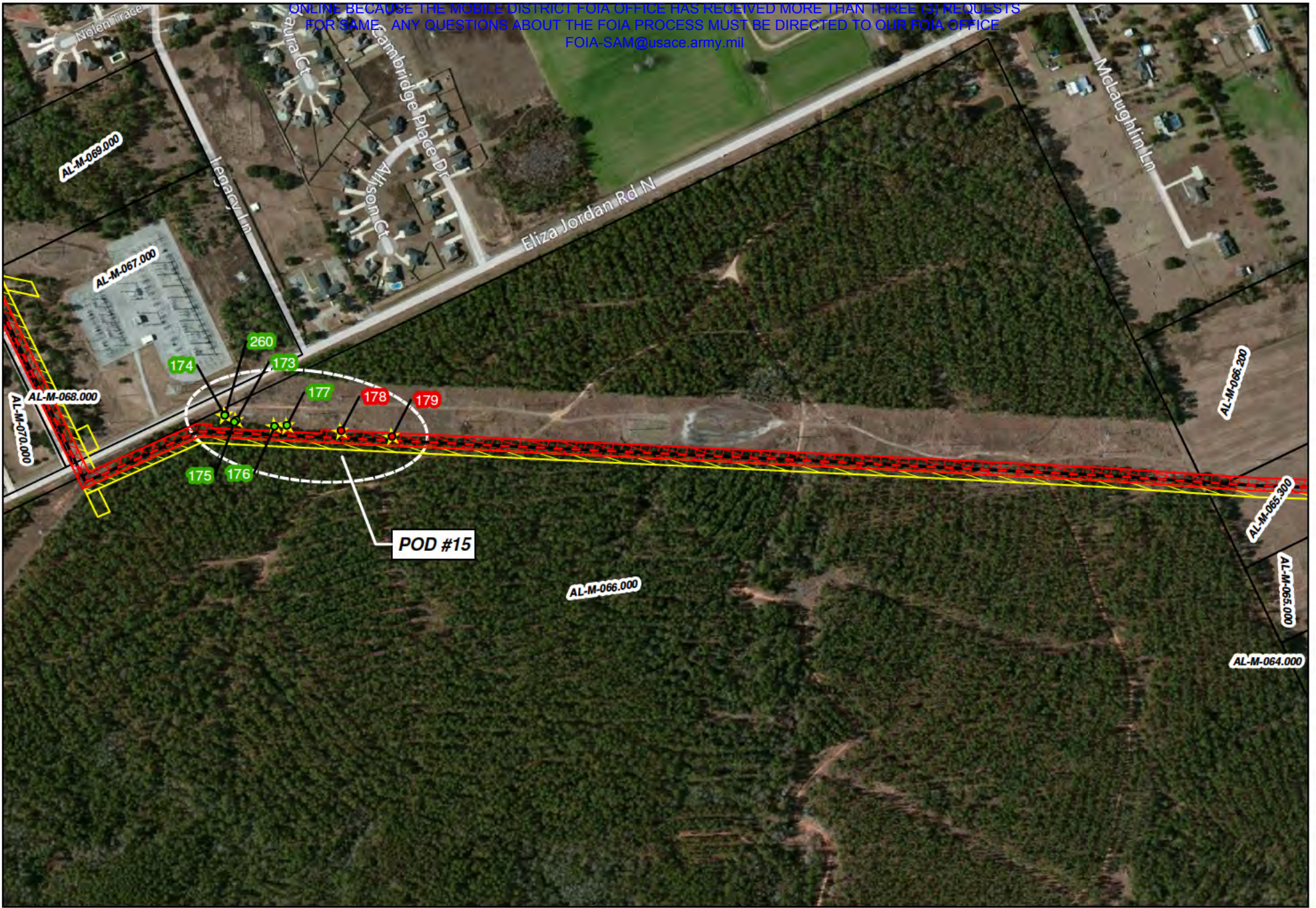
**PLAINS SOUTHCAP L.L.C.
T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
PASCAGOULA PIPELINE PROJECT
MOBILE COUNTY, AL**

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COMMENT:
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Background: Bing Maps Hybrid (2012)
Mapper: JR
Approved By: EM
SWCA Project No: 22932
Date Produced: 9/24/2012
Revision Date:
0 250 500 Feet
Coordinate System: NAD 1983 UTM Zone 16N
Units: Foot US



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T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
PASCAGOULA PIPELINE PROJECT
MOBILE COUNTY, AL

Legend

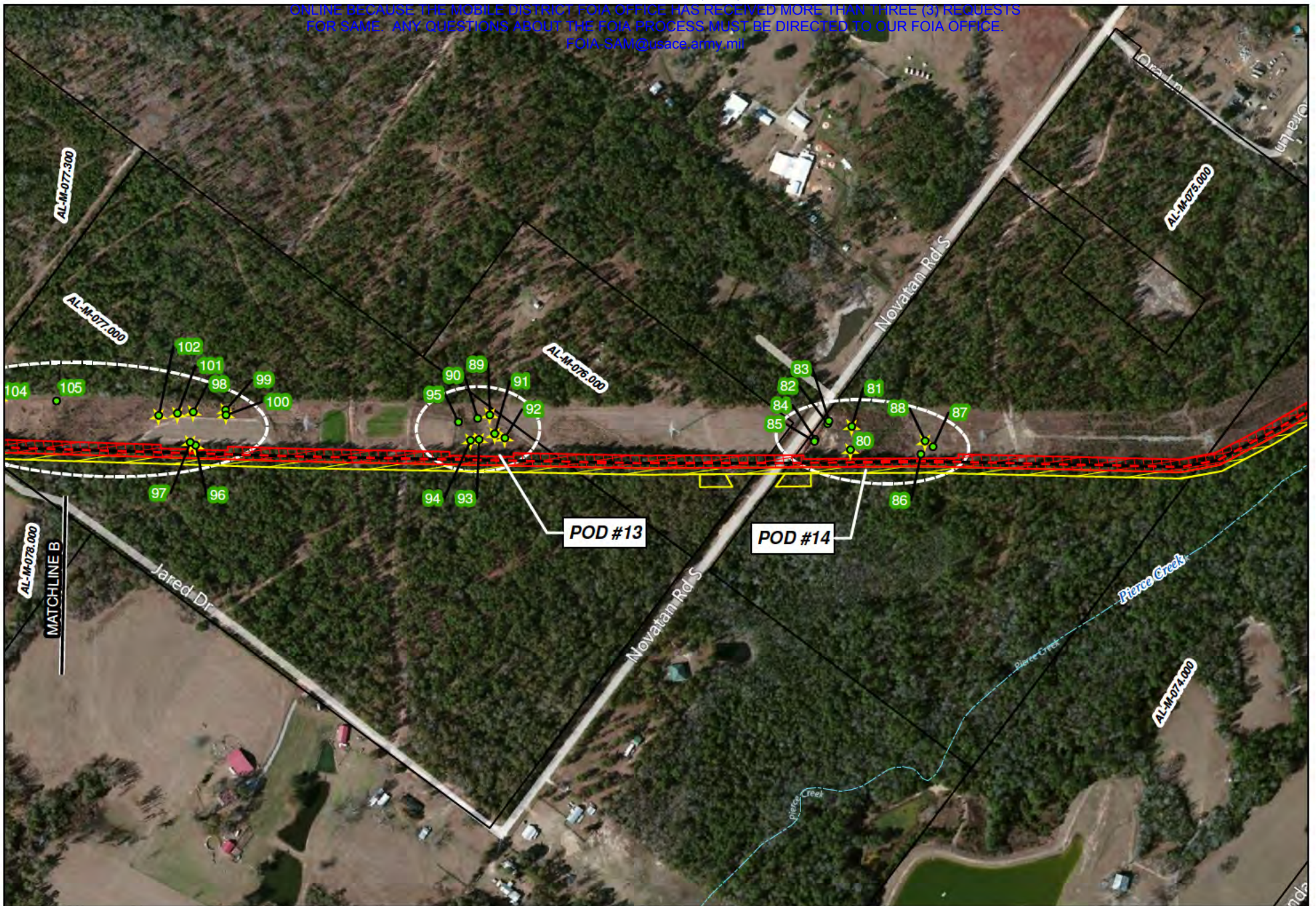
Centerline	HDD RoW	Active Burrow
Permanent RoW	Burrow, Inside Work Corridor	
Temporary RoW	Burrow, Outside Work Corridor	
Additional Workspace	Streams	

COMMENT:
USACE MOBILE DISTRICT

Background: Bing Maps Hybrid (2012)
Mapper: JR
Approved By: EM
SWCA Project No: 22932
Date Produced: 9/24/2012
Revision Date:

0 250 500 Feet

Coordinate System: NAD 1983 UTM Zone 16N
Units: Foot US



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T & E MAPS
41-MILE-LONG TEN-MILE FACILITY TO
PASCAGOULA PIPELINE PROJECT
MOBILE COUNTY, AL

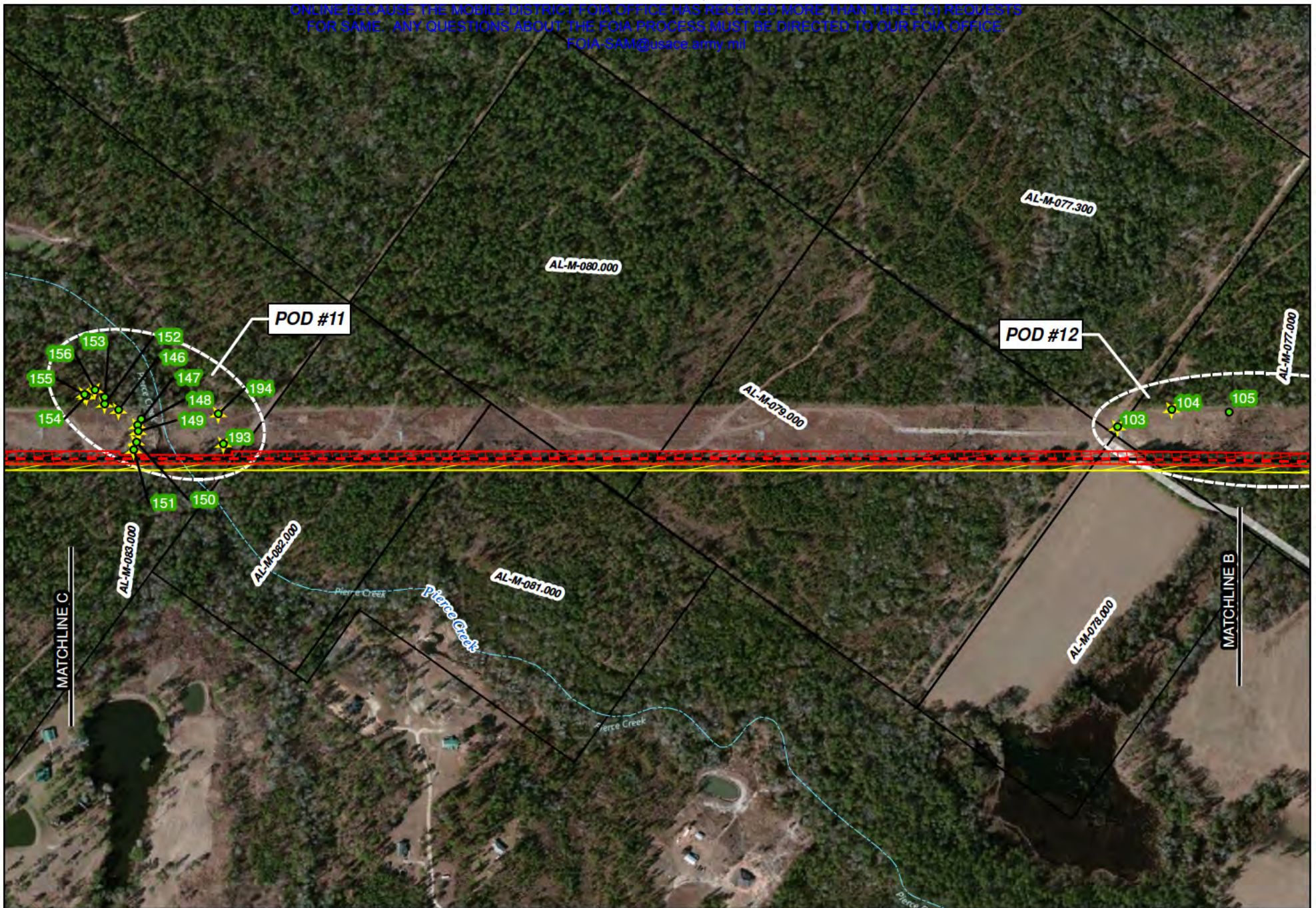
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MOBILE COUNTY, AL**

Legend

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- Permanent RoW
- Burrow, Inside Work Corridor
- Burrow, Outside Work Corridor
- Temporary RoW
- Streams
- Additional Workspace

COMMENT:
USACE MOBILE DISTRICT



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Date Produced: 9/24/2012
Revision Date:
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Units: Foot US