



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
701 SAN MARCO BOULEVARD
JACKSONVILLE, FLORIDA 32207-8915

PUBLIC NOTICE

EXISTING CONDITIONS: The proposed mine site totals approximately 2884.4 acres. The majority of the proposed project area has historically been managed for silviculture and as such is in various stages of pine growth. Unpaved, graded roads cross the proposed project area to provide access for silviculture operations. Wetlands and ditches occur throughout the proposed project area, and portions of the wetlands have been subject to timber harvesting and replanted with pine for silviculture.

More specifically, the predominant existing land use is coniferous plantations (FLUCCS 441), covering 1216.91 acres. Additional upland land uses include 44.94 acres of dirt roads (8146), 117.06 acres of formerly mined lands/extractive (117.06), and xeric oak (28.16). and 27.10 acres of CR 228 (8144). Onsite wetlands and surface waters include 480.76 acres of wetland pine plantation (441W), 816.37 acres of various forested wetlands (611, 613, 621, and 630), 121.61 acres of shrub and herbaceous wetlands (631 and 641), and 47.67 acre of ditches and lakes (510d, 523, and 534).

The area surrounding the project area consists of the applicant's mining and processing facilities to the north, additional pine plantations to the west and south, and Camp Blanding Joint Training Center to the east. Keystone Heights Airport is located one mile south of the project's southern limit.

The project site also overlaps or is in the vicinity of several public and private parcels of conservation lands, as shown in the attached drawings.

PROPOSED WORK: The applicant seeks authorization to impact 740.45 acres of aquatic resources, including 710.59 acres of wetland impacts and 29.86 acres of impacts to ditches and other surface waters. The wetland impacts include 227.53 acres of impacts to wetland pine plantation areas. The attached site plans show the work as currently proposed.

AVOIDANCE AND MINIMIZATION INFORMATION – The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

The applicant states that there are no alternative sites that have the necessary mineral deposits that are not already active mines themselves. Onsite, the applicant states that the proposed mining area is necessary to provide an economically viable project.

The applicant states that the proposed mine plan avoids higher-quality onsite wetlands, and preserves flow ways that drain offsite to the Santa Fe River. The applicant proposes to implement best management practices to minimize impacts to avoided and offsite wetlands, including a perimeter berm around the active mining areas and use of existing culverted wetland crossings.

COMPENSATORY MITIGATION – The applicant has offered the following compensatory mitigation plan to offset unavoidable functional loss to the aquatic environment:

The applicant states that the proposed impacts will result in a loss of 347.58 wetland functional units (using UMAM). To offset this loss the applicant proposes permittee-responsible onsite and offsite mitigation, specifically, the re-establishment of 710.59 acres of wetlands onsite in conjunction with reclamation as required by the state of Florida, the enhancement of 136.49 acres of onsite, avoided wetlands, and 65.54 acres

of re-establishment of offsite wetlands at the applicant's Florida Mine/Trail Ridge Mine, in conjunction with reclamation as required by the state of Florida. The offsite wetlands are not part of the mitigation for any Corps permits. The applicant states that the proposed mitigation provides 348.14 units of functional gain. A summary of the applicant's compensatory mitigation plan, including the 12 components required by the 2008 Compensatory Mitigation Rule, is attached.

CULTURAL RESOURCES:

The applicant provided a copy of a June 26, 2019 letter from the State Historic Preservation Officer (SHPO) (DHR File No. 2018-0132-B), stating that the SHPO concurred with a determination that the proposed project will have no effect on cultural resources listed, or eligible for listing in the National Register of Historic Places, or otherwise of archaeological, historical, or architectural significance within the study area. The Corps notes that the referenced review did not constitute a review under Section 106 of the National Historic Preservation Act.

Therefore, by copy of this public notice, the Corps is providing information for review. Our final determination relative to historic resource impacts is subject to review by and coordination with the State Historic Preservation Officer and those federally recognized tribes with concerns in Florida and the Permit Area.

ENDANGERED SPECIES:

The project area has suitable habitat for the wood stork (*Mycteria americana*), Florida scrub jay, and the eastern indigo snake (*Drymarchon corais couperi*). Camp Blanding, to the east, has documented occurrences of scrub jays, and multiple populations of red-cockaded woodpeckers (*Picoides borealis*) (RCW). The Santa Fe River downstream of the project area supports populations of the Suwannee moccasinshell (*Medionidus walker*) and oval pigtoe (*Pleurobema pyriforme*) freshwater mussels, and critical habitat for the oval pigtoe.

The furthest upstream extent of the oval pigtoe critical habitat, which overlaps with a unit of the proposed critical habitat for the Suwannee moccasinshell, is greater than eight miles downstream of the project site. The Corps notes that the primary headwaters for the Santa Fe River are Lake Santa Fe and the Santa Fe Swamp, and that the applicant's proposed mine plan avoids the larger wetland flow ways on the project site. Based on available information, the Corps has determined that the proposed project would have no effect on the oval pigtoe and its critical habitat, or on the Suwannee moccasinshell.

The project is outside of the core foraging area of any wood stork colonies, and the applicant states that no wood storks have been observed foraging onsite. Using the September 2008 effect determination key for the wood stork in central and north peninsular Florida (A-B-C-D), the Corps has determined the proposed project may

affect but is not likely to adversely affect the wood stork; no further coordination is necessary.

The applicant conducted informal scrub jay surveys in October 2012, and documented no individual birds or calls. The applicant states that the onsite habitat is not optimal. Based on the information provided, the Corps has determined that the project may affect but is not likely to adversely affect the scrub jay.

The project area does not have suitable nesting habitat for RCWs. The applicant conducted informal foraging area surveys in November 2012 and documented no birds or calls. Based on the information provided, the Corps has determined that the project may affect but is not likely to adversely affect the RCW.

Based on ground surveys, the applicant estimates that the site has approximately 122 gopher tortoise burrows, as well as areas of xeric habitat (scrub, sandhill or scrubby flatwoods). The applicant has agreed to the use of the standard protection measures for the eastern indigo snake. Using the January 25, 2010 effect determination key for the eastern indigo snake, as updated August 13, 2013 (A-B-C-D), the Corps has determined that the proposal may affect the eastern indigo snake.

By separate letter, the Corps will request U.S. Fish and Wildlife (USFWS) concurrence with the determinations for the scrub jay and RCW, and request initiation of formal consultation for the eastern indigo snake, pursuant to Section 7 of the Endangered Species Act by separate letter.

ESSENTIAL FISH HABITAT (EFH): This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. The proposal would impact inland freshwater wetlands. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries. 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.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. Corps personnel verified the jurisdictional line with a Preliminary Jurisdictional Determination dated May 17, 2019.

AUTHORIZATION FROM OTHER AGENCIES: Water Quality Certification may be required from the Florida Department of Environmental Protection and/or one of the state Water Management Districts.

COMMENTS regarding the potential authorization of the work proposed should be submitted in writing to the attention of the District Engineer through the Mining Team,

10117 Princess Palm Avenue, Suite 120, Tampa, FL 33610 within 21 days from the date of this notice.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

QUESTIONS concerning this application should be directed to the project manager, John Fellows, in writing at the Mining Team, 10117 Princess Palm Avenue, Suite 120, Tampa, FL 33610; by electronic mail at johnp.fellows@usace.army.mil; by facsimile transmission at (813)769-7061; or, by telephone at (813)769-7070.

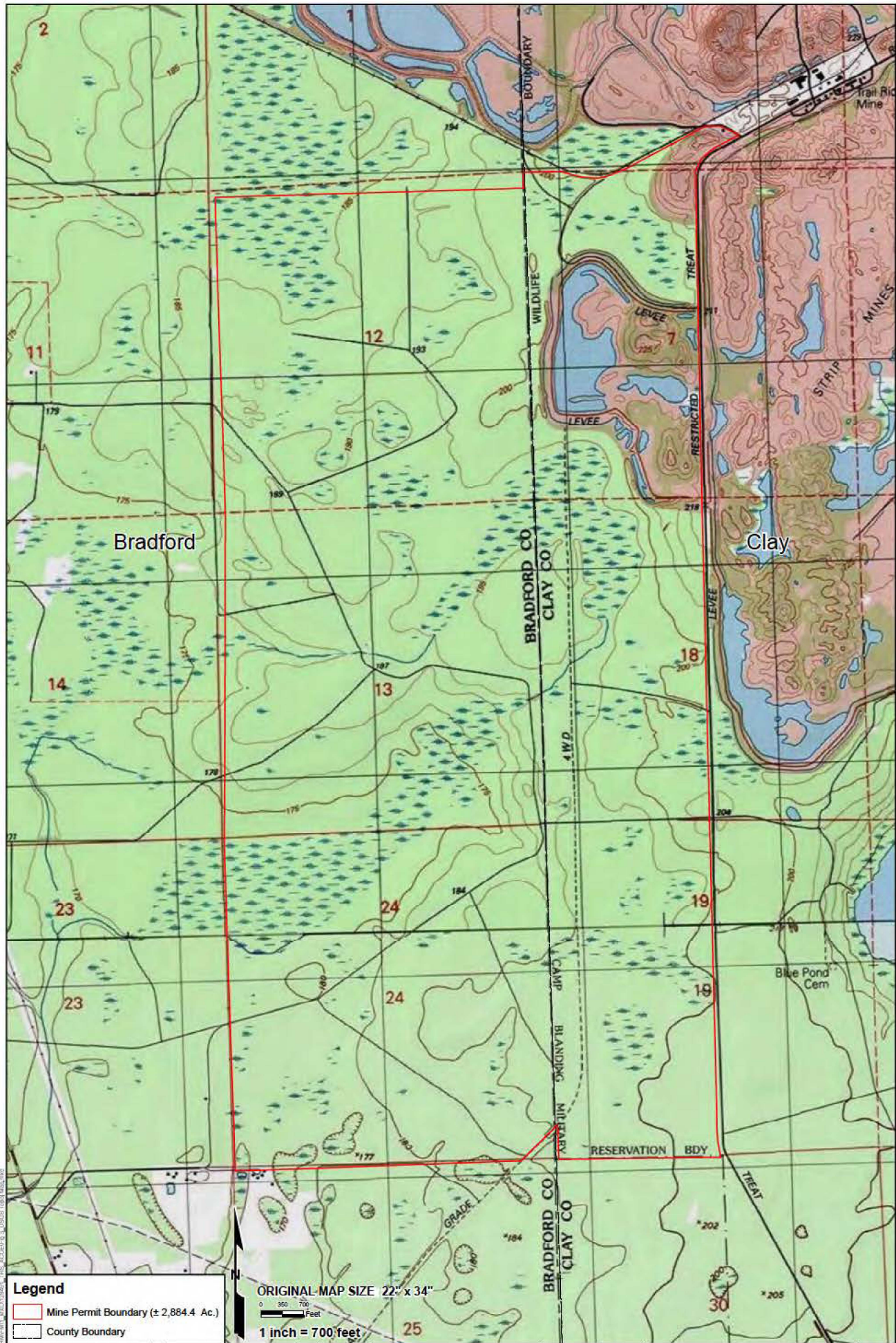
IMPACT ON NATURAL RESOURCES: Coordination with U.S. Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies, environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact 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 benefits, 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 cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical 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. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The US Army Corps of Engineers (Corps) 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 Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

COASTAL ZONE MANAGEMENT CONSISTENCY: In Florida, the State approval constitutes compliance with the approved Coastal Zone Management Plan. In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with the Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.



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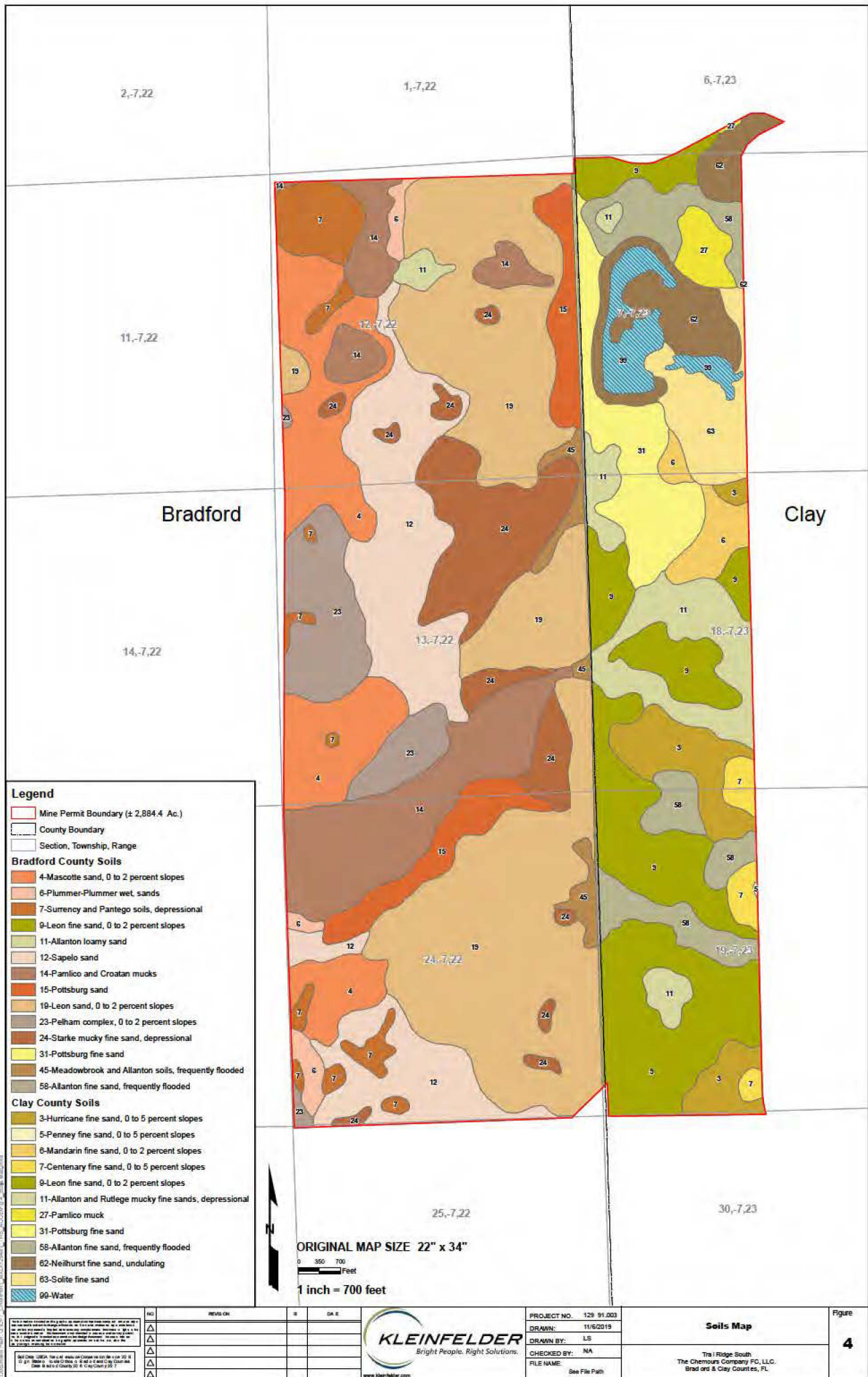
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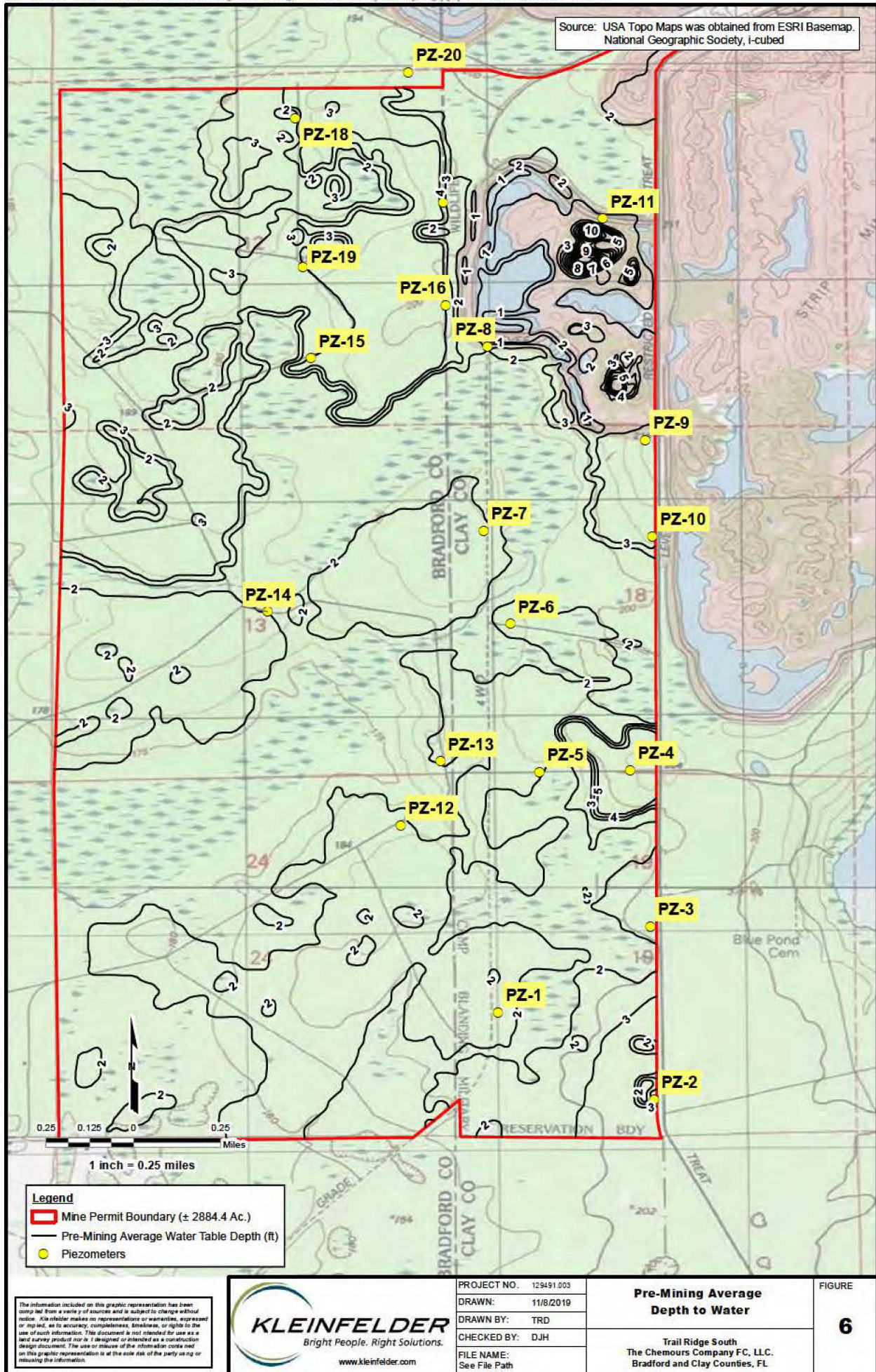
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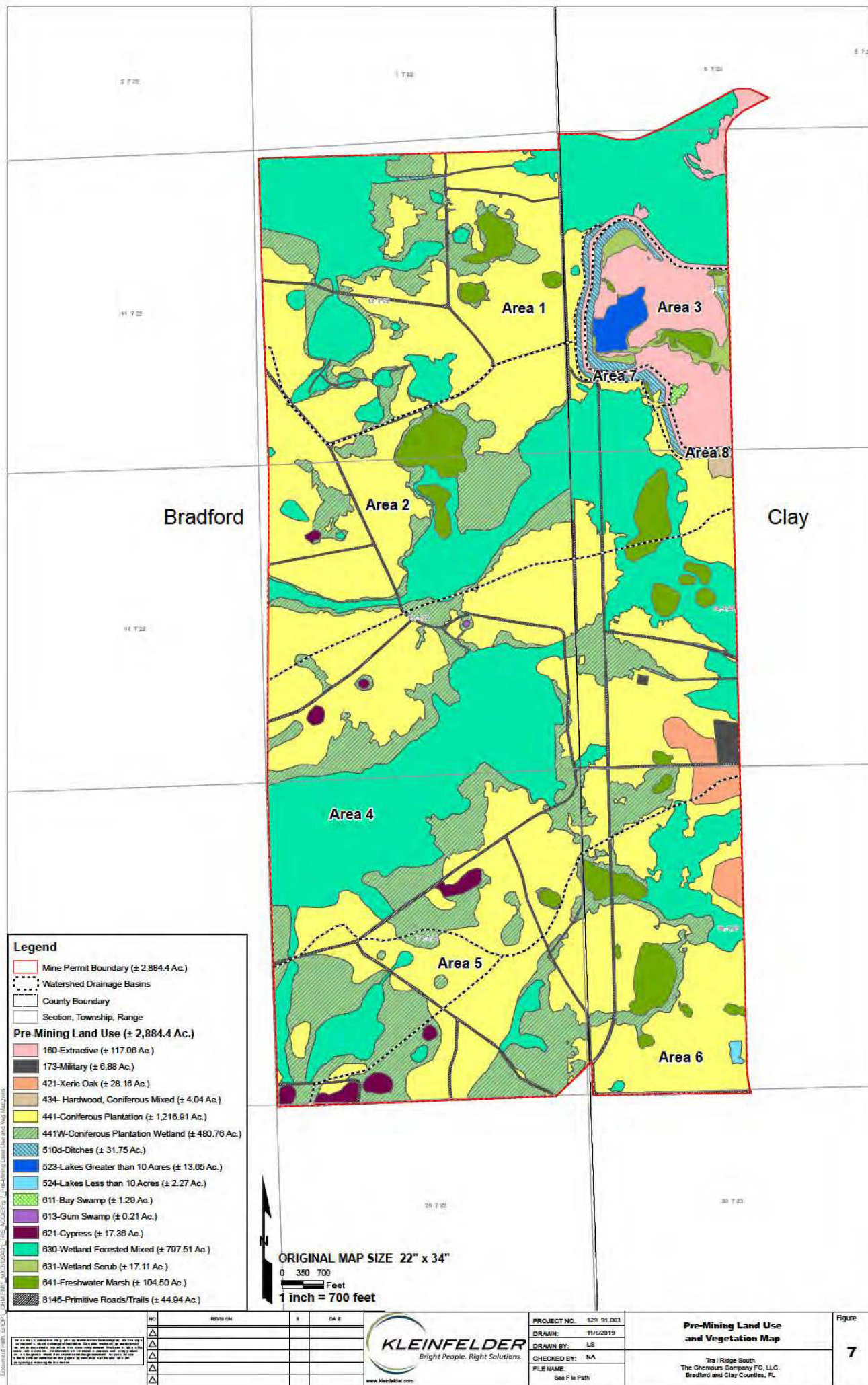
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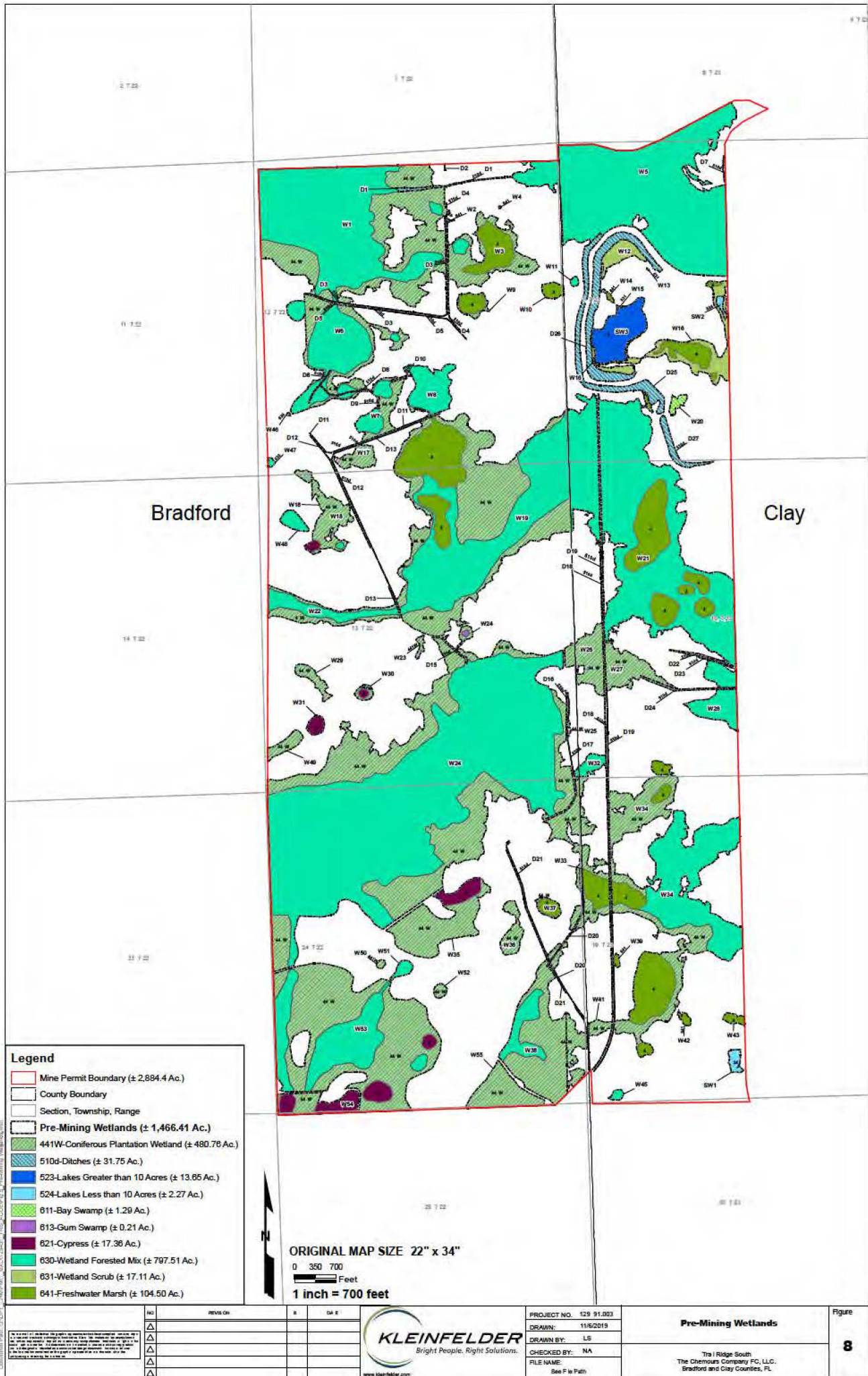
Trail Ridge South
The Chemours Company FC, LLC,
Bradford & Clay Counties, FL

Figure 3









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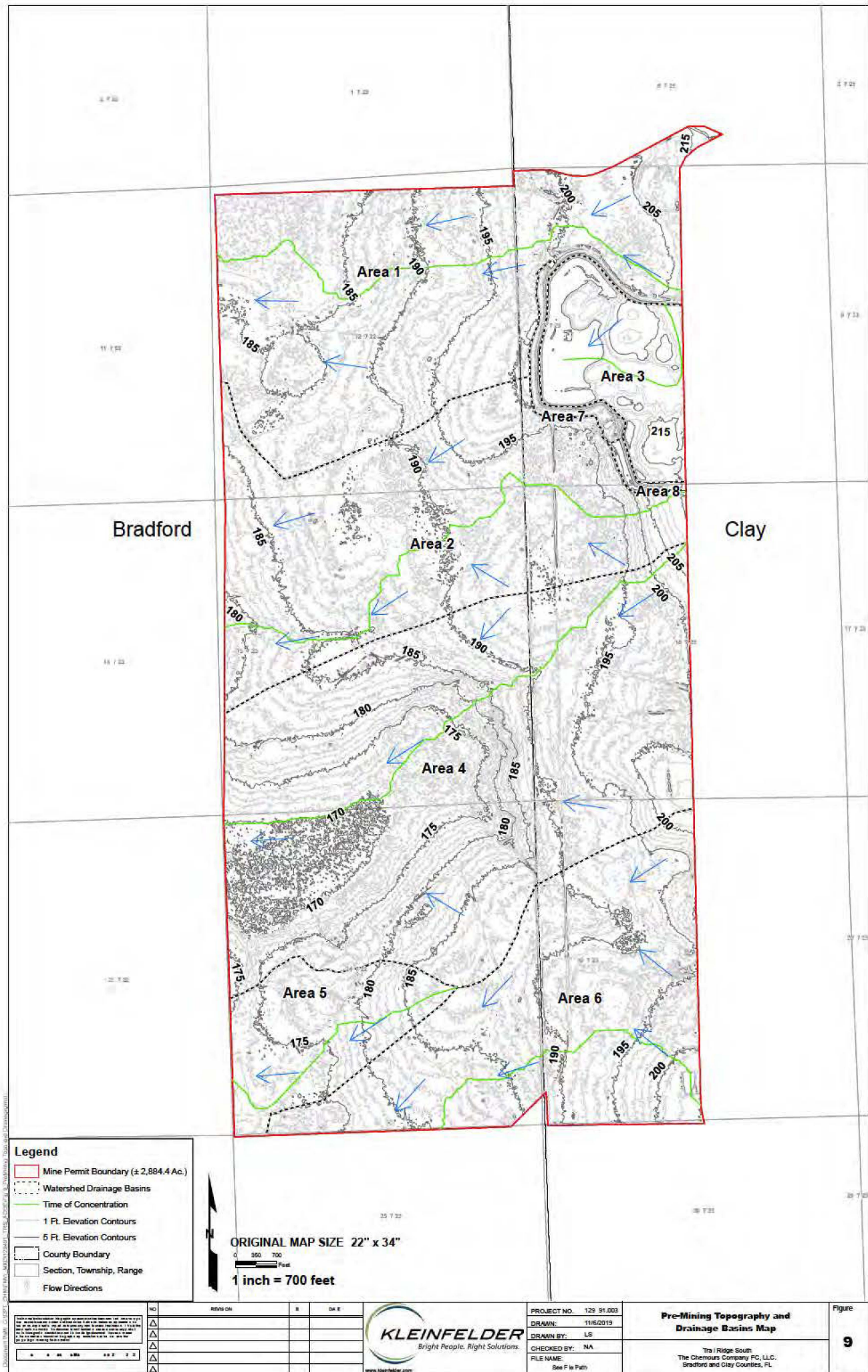
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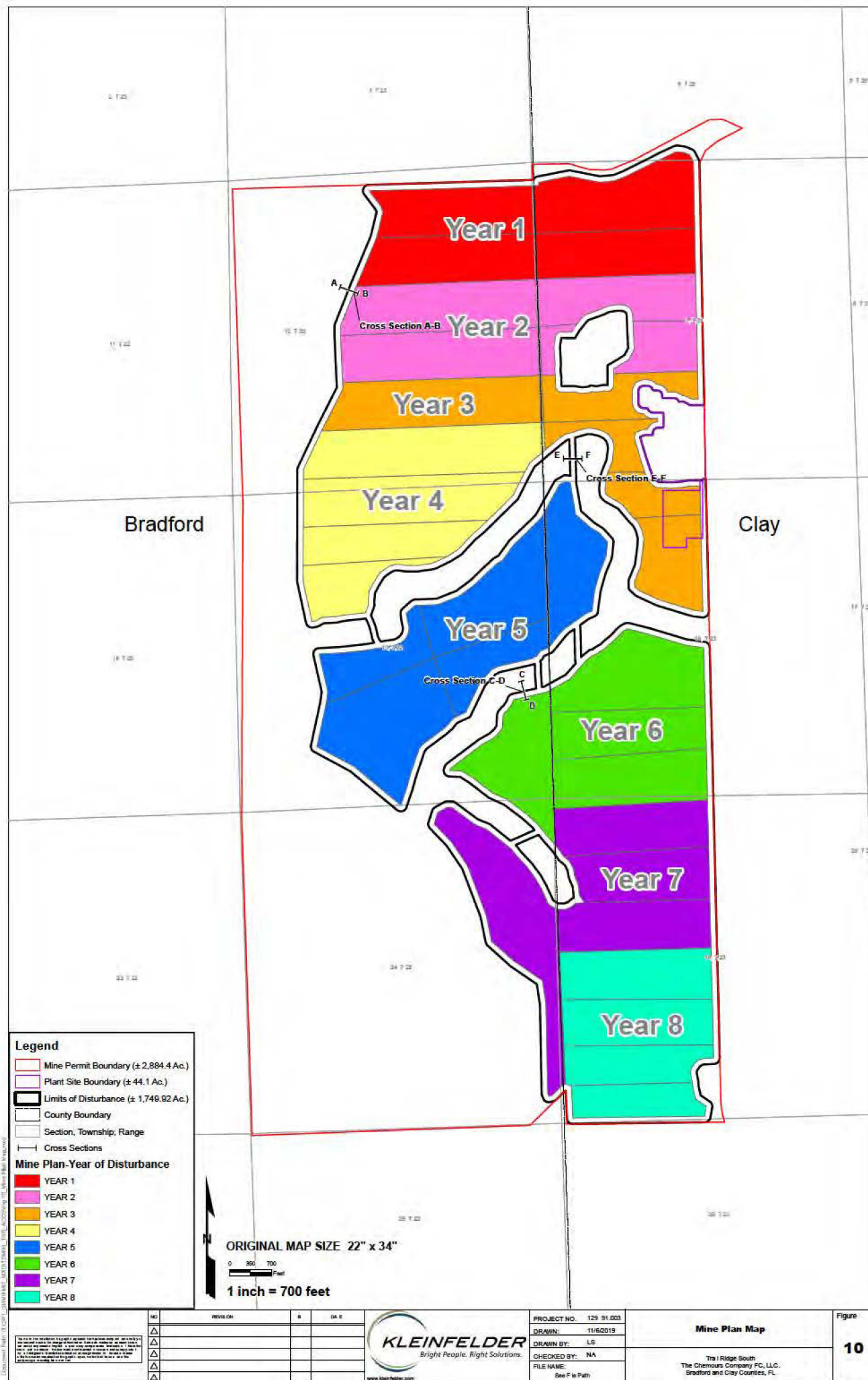
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Pre-Mining Wetlands

Tra | Ridge South
 The Chemours Company FC, LLC.
 Bradford and Clay Counties, FL.





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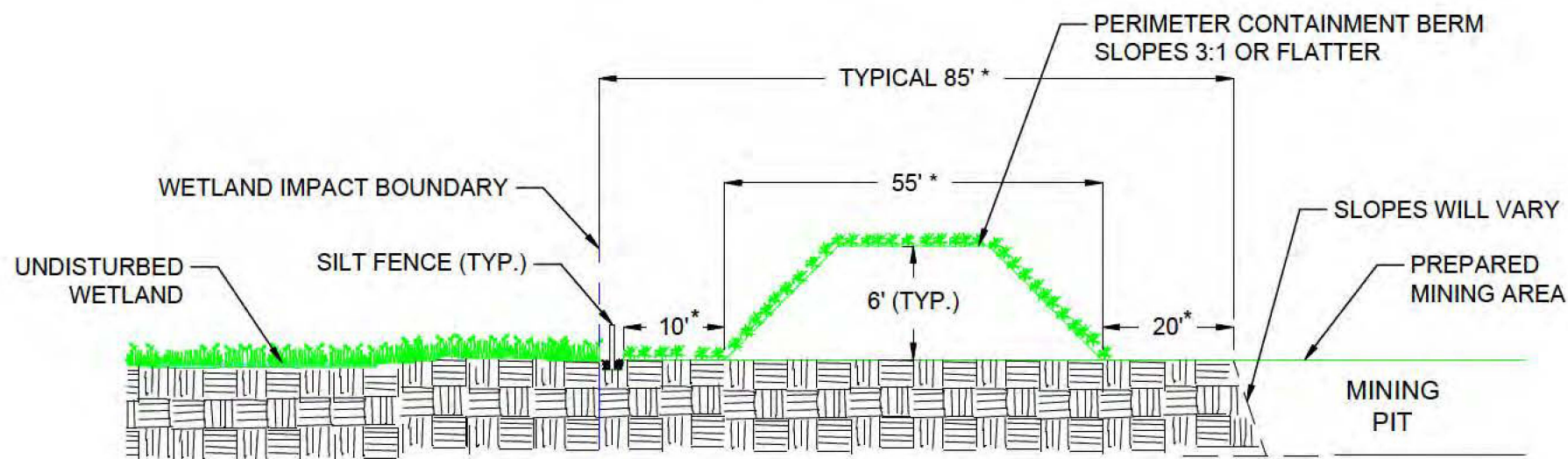
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Mine Plan Map

Tra | Ridge South
The Chemours Company FC, LLC.
Bradford and Clay Counties, FL



*DISTANCES MAY CHANGE WITH CHANGE IN SLOPE
CROSS SECTION A-B - WETLAND IMPACT BOUNDARY
 NOT TO SCALE

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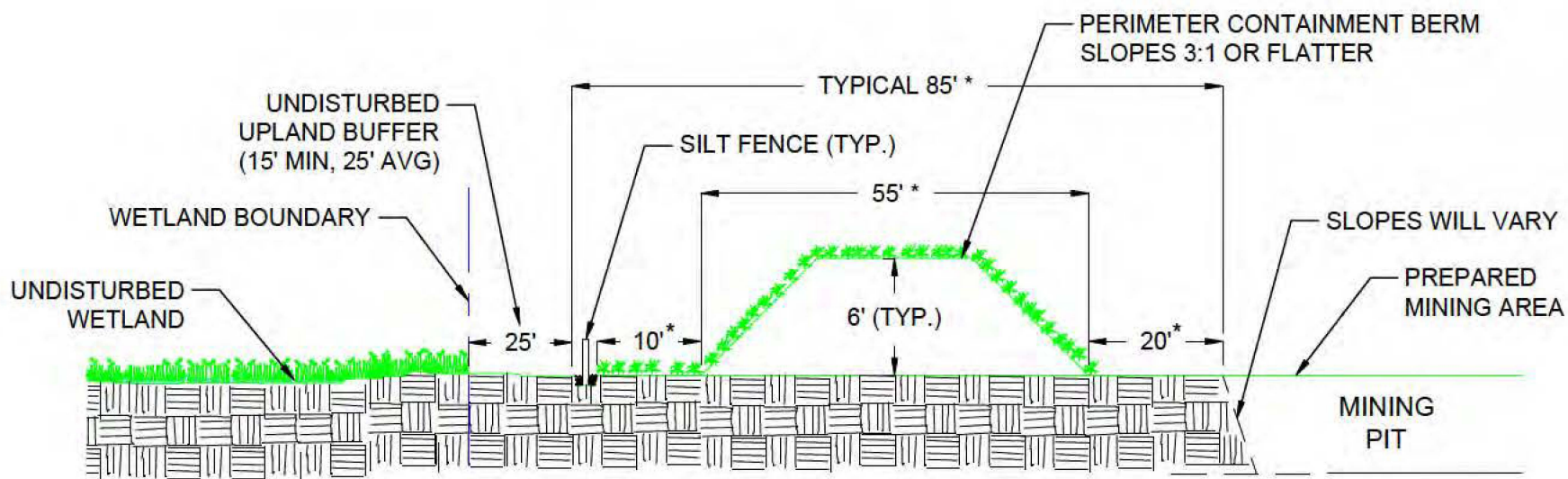
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CROSS SECTION A - B

TRAIL RIDGE SOUTH
 THE CHEMOURS COMPANY FC, LLC.
 BRADFORD AND CLAY COUNTIES, FL

FIGURE

10A



*DISTANCES MAY CHANGE WITH CHANGE IN SLOPE

CROSS SECTION C-D - UNDISTURBED WETLAND BOUNDARY
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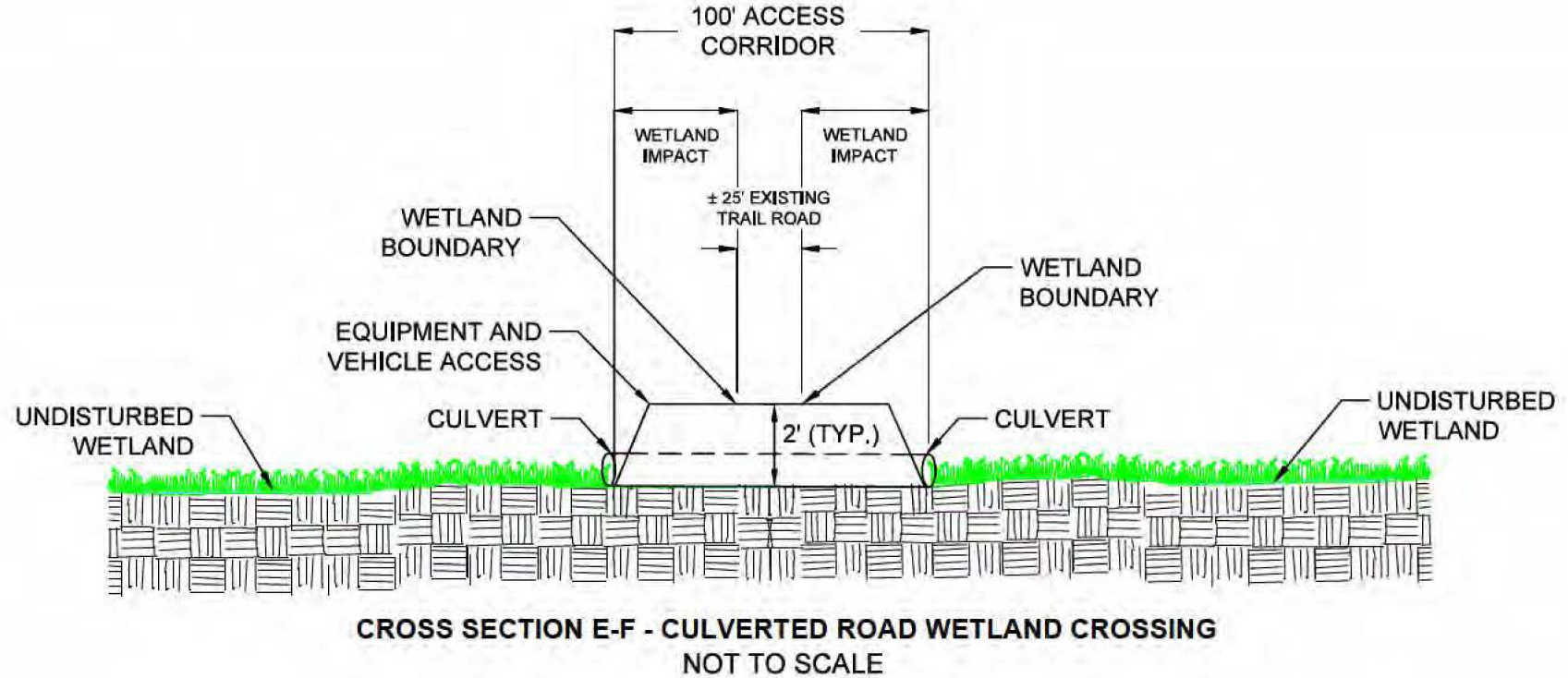
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CROSS SECTION C - D

TRAIL RIDGE SOUTH
THE CHEMOURS COMPANY FC, LLC.
BRADFORD AND CLAY COUNTIES, FL

FIGURE

10B



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CROSS SECTION E - F

TRAIL RIDGE SOUTH
THE CHEMOURS COMPANY FC, LLC.
BRADFORD AND CLAY COUNTIES, FL

FIGURE

10C

CAD FILE: \\kleinfelder.com\Shares\MOUNTDORADATA\GIS\CAD\Chemours_2019\00129491\003A_Chemours-FC\CY2019_Trail Ridge South\CAD\TRES_AOCDE_MineFootprint.dwg LAYOUT: 10D-MINE FOOTPRINT

Typical Mining Footprint

±80 acres per Mobile Mining Unit (MMU)

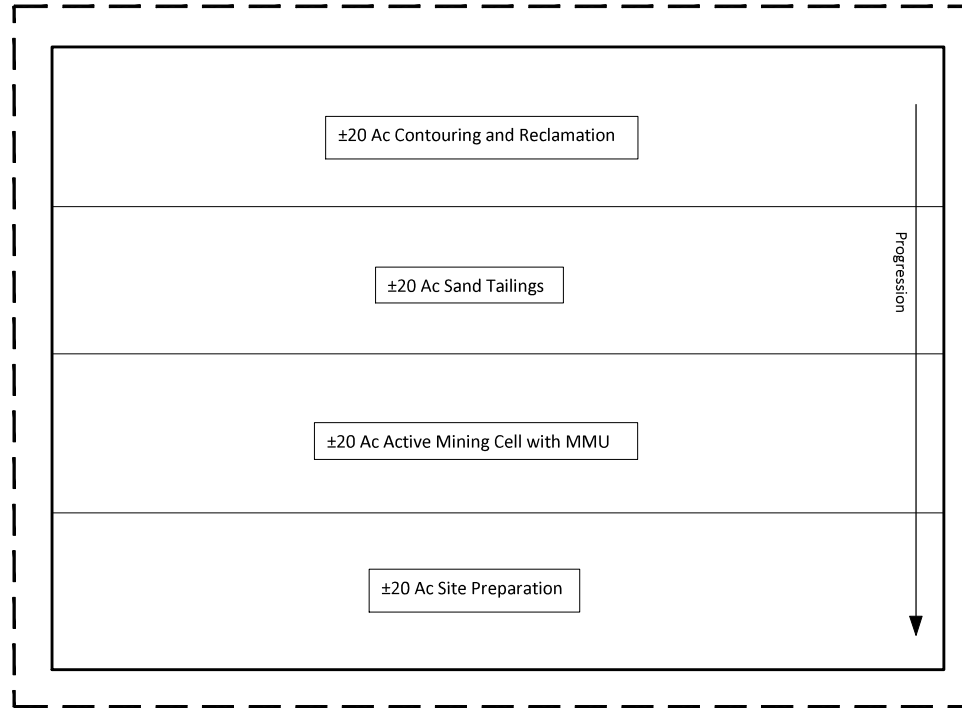
Contouring and Reclamation

Once the tailings are sufficiently dewatered, reclamation activities, including recontouring of the site (mined area) so the topography is similar to pre-mining conditions, topsoil placement, and revegetation will be conducted. Native herbaceous vegetation will be reestablished from the replaced topsoil. Temporary groundcover may be seeded/planted (millet or rye) to assist with erosion control, if needed.

Active Mining

The removal of the ore will be in 7- to 10-foot lifts or benches. The excavation will progress through the cells using multiple excavators to feed an MMU. This unit will process the feed and slurry the ore to the near-by MC. The mine cells will be dewatered as excavation progresses and the water incorporated into the process water for reuse. Mining depth will average approximately 22 feet with a maximum depth of 40 feet.

Perimeter Containment Berm



Sand Tailings Return

Once the ore has been separated from the quartz at the MC, the lighter SG quartz sands (approximately 98% by volume) will become tailings and will be pumped to mined-out cells via HDPE pipeline where they are dewatered and utilized for reclamation activities.

Site Preparation

All merchantable timber is harvested in a manner consistent with silviculture best management practices (BMPs) and area is "root raked" with all wooden material burned per appropriate State/County regulations. Silt fencing and other applicable erosion control measures will be installed around the proposed mine cells. The top 12 inches of topsoil will be removed and used to form the perimeter or containment berms around the mining area for control of storm water runoff.

The Trail Ridge South mining footprint will consist of two (2) MMUs and a land-based separation plant site, Mobile Concentrator (MC). The MMUs move as mining progresses. The MMUs consist of a feed hopper and shredder to break apart oversize (roots, rocks and hardpan) from the excavated material prior to being slurried and pumped via High-density polyethylene (HDPE) pipeline to a single deck vibrating screen which also moves around the ore body as mining progresses to remove oversize. The oversize material from the screen will be used as backfill in the mined-out cells.

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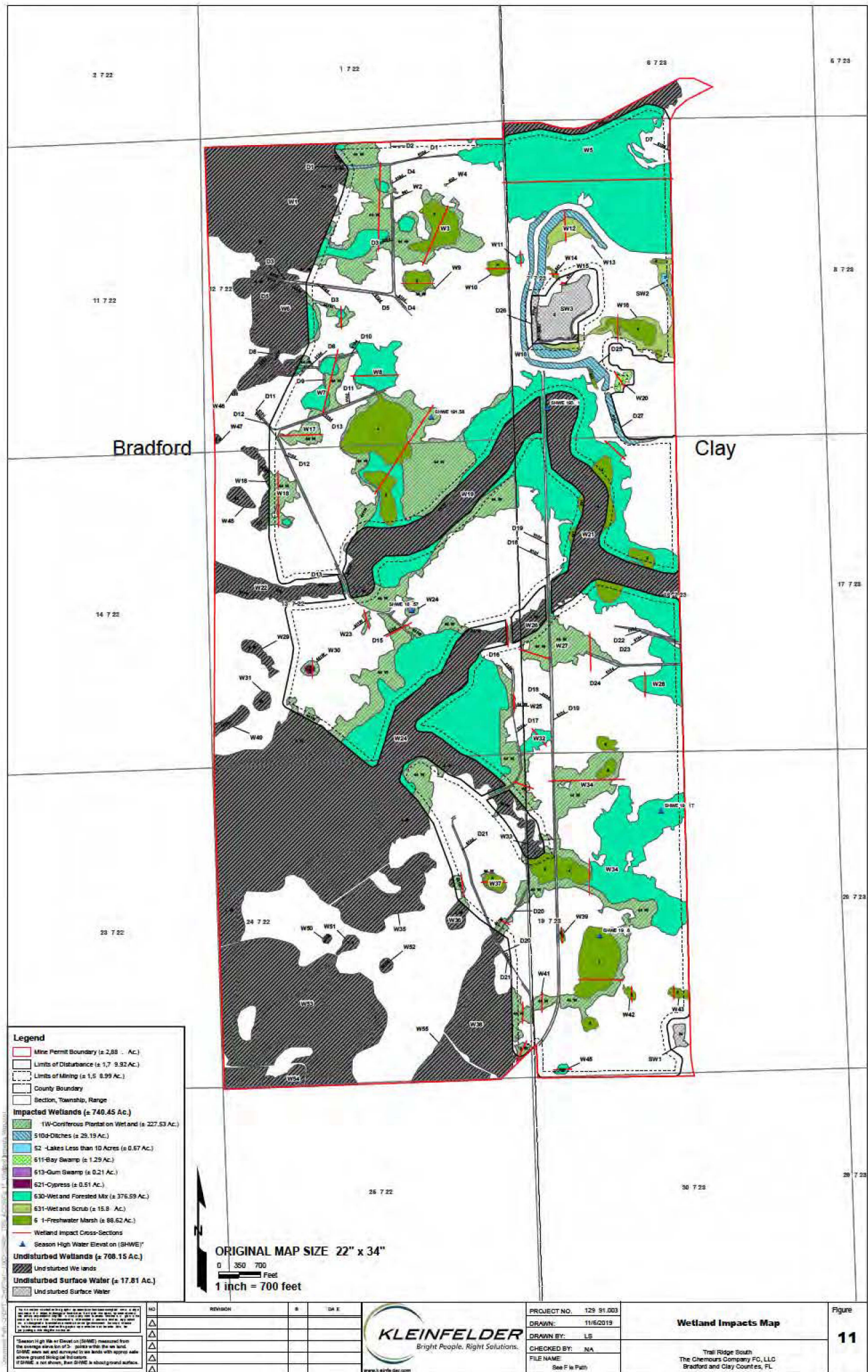
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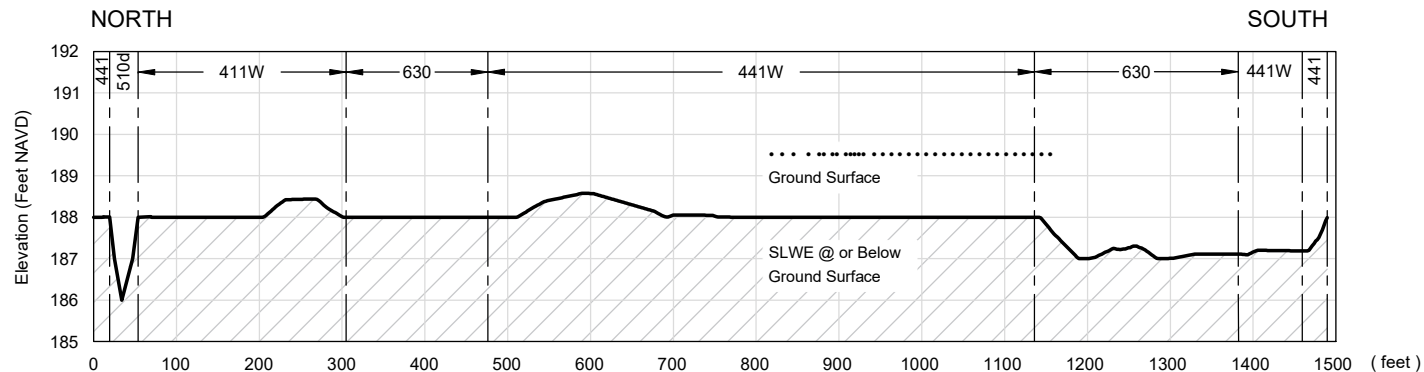
TYPICAL MINING FOOTPRINT

Trail Ridge South
The Chemours Company FC LLC
Bradford and Clay Counties, FL

FIGURE

10D





Wetland 1

LEGEND

IMPACT

UNDISTURBED

EXISTING GROUND

LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.

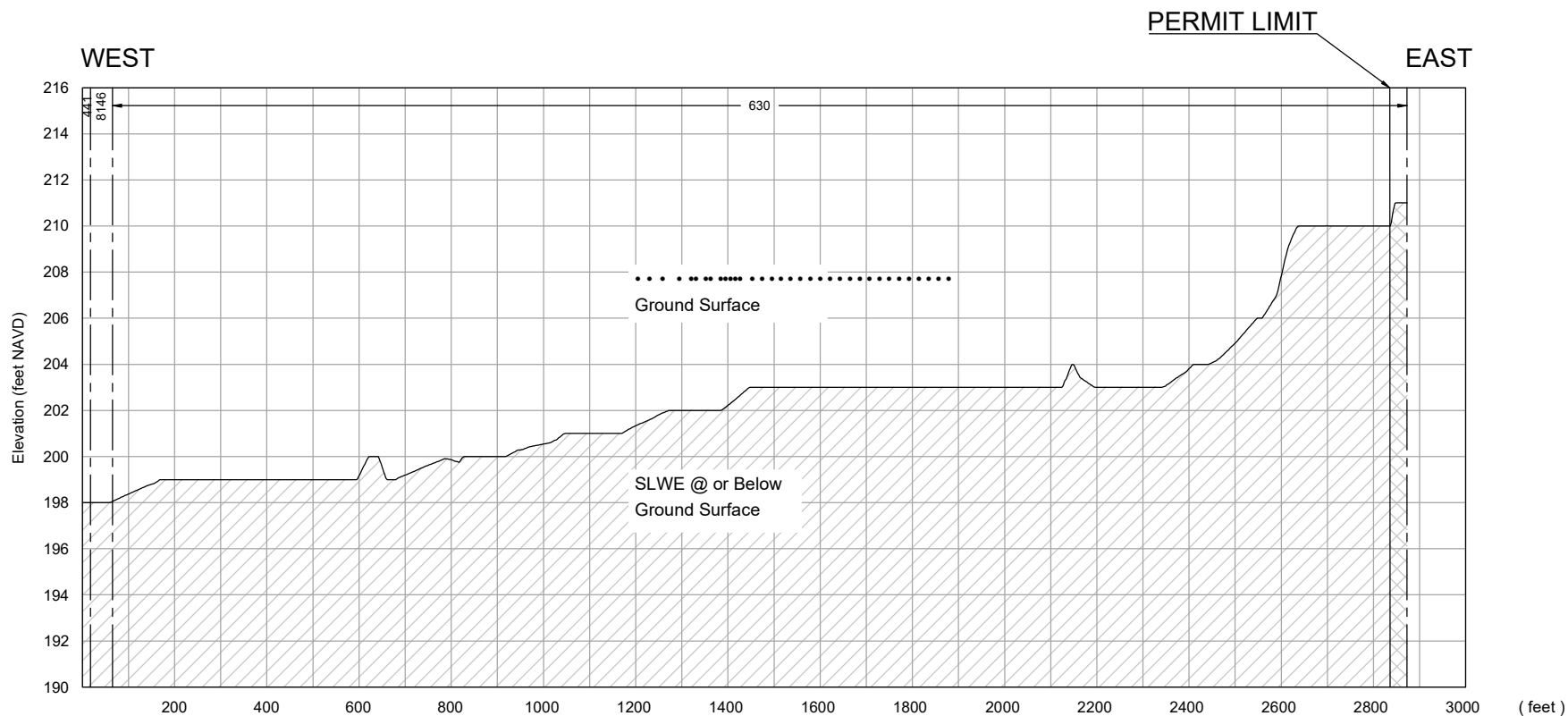
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PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 1 & 3	FIGURE 11A
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CAD FILE: \\wintefelder.com\Share\MOUNTDORADATAGIS\CAD\Chemours_2019\0012848\000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_WetlandImpact_XS.dwg LAYOUT: Wetland Impact 5 PLOTTED: 11/8/2019 12:38 PM BY: Tim deMarinis



Wetland 5

LEGEND

 IMPACT

 UNDISTURBED

 EXISTING GROUND

 LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

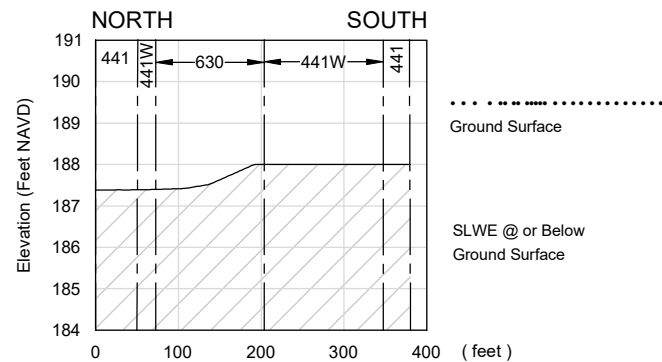
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SCALE:
HORIZ. 1"= 100'
VERT. 1"=5'



PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 5	FIGURE 11B
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DATE: 11-08-2019		
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LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
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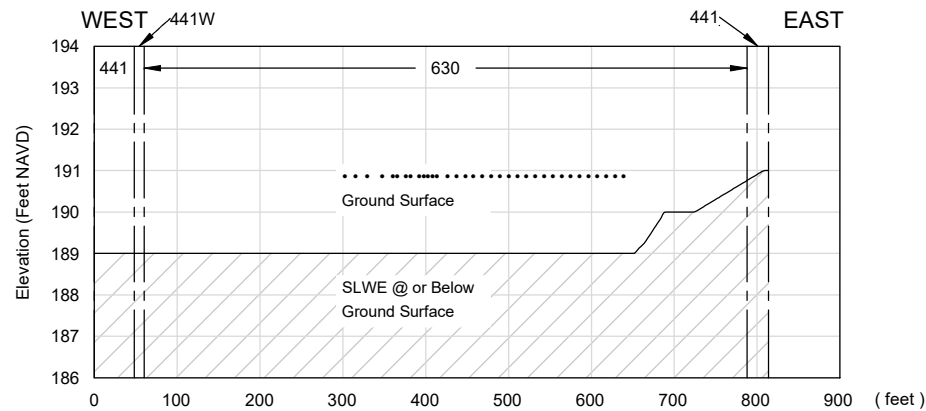
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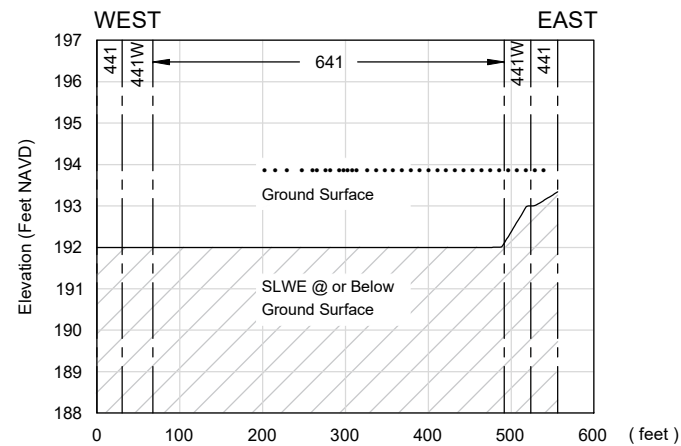


PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 6 & 7	FIGURE 11C
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Wetland 8



Wetland 9

LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

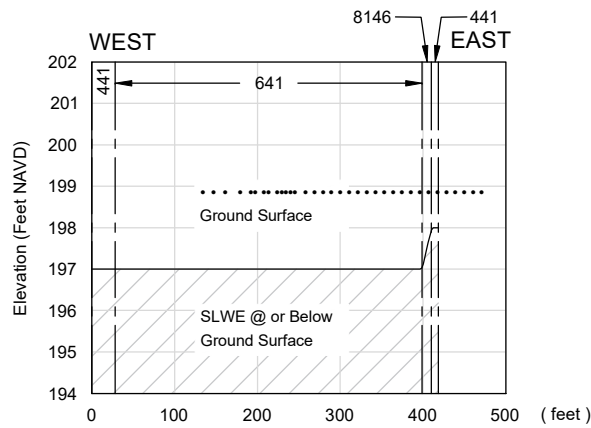
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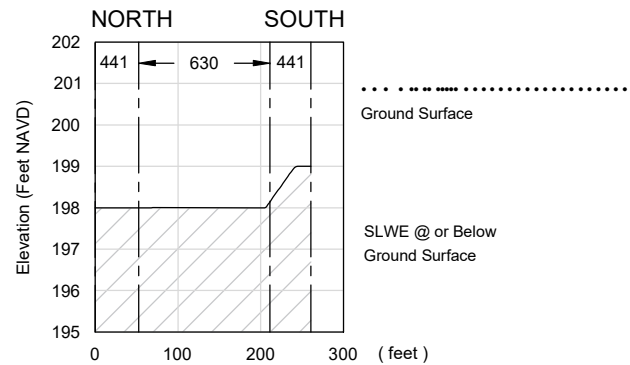


PROJECT NO. 00129 91.003A		WETLAND IMPACT CROSS-SECTION WETLAND 8 & 9	FIGURE
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		Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 4 of 21

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



Wetland 10



Wetland 11

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.





SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A		WETLAND IMPACT CROSS-SECTION WETLAND 10 & 11	FIGURE 11E
DRAWN BY	YQ		
CHECKED BY	TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 5 of 21
DATE:	11-08-2019		
REVISED:			

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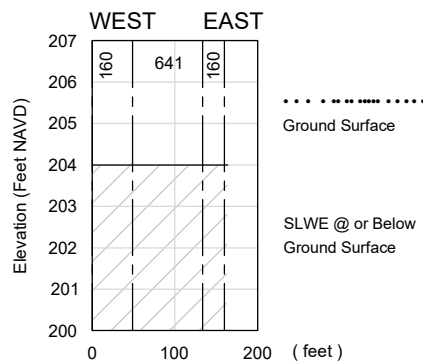
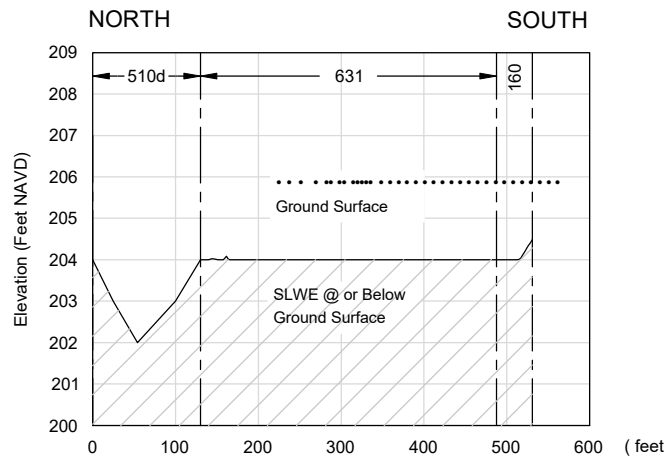
LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.

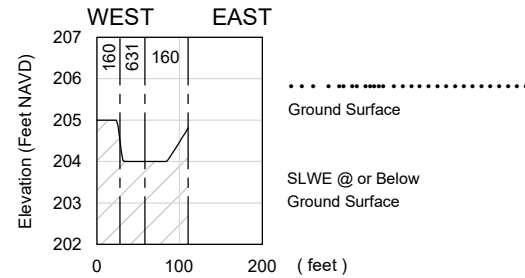
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SCALE:
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VERT. 1"=3'







PROJECT NO. 00129 91.003A		WETLAND IMPACT CROSS-SECTION WETLAND 12 & 14	FIGURE 11F
DRAWN BY YQ			
CHECKED BY TRD		Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 6 of 21
DATE: 11-08-2019			
REVISED:			

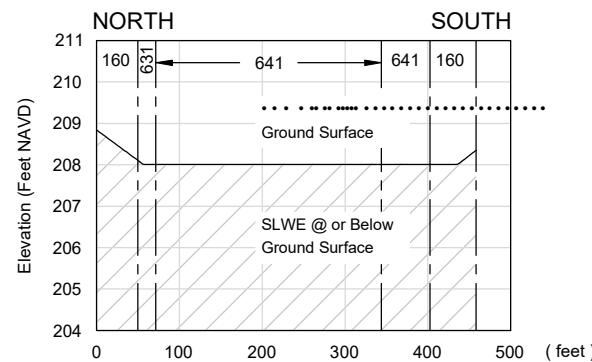


Wetland 15

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 16

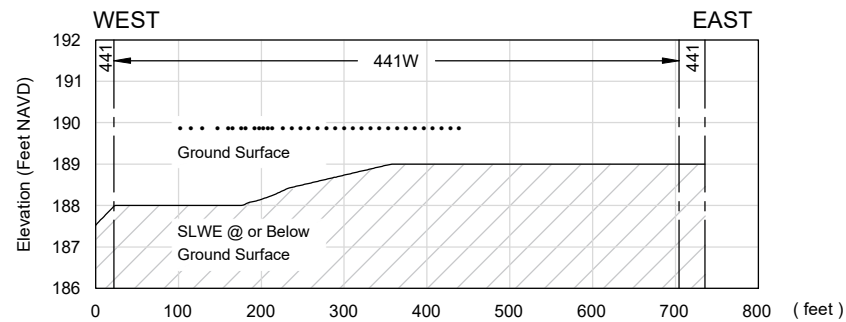
Source: Topography - Southern Resources Mapping, Inc. 2012.

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION	FIGURE
DRAWN BY YQ	WETLAND 15 & 16	11G
CHECKED BY TRD	Trail Ridge South	
DATE: 11-08-2019	The Chemours Company FC LLC	
REVISED:	Bradford and Clay Counties, FL	
		PAGE 7 of 21

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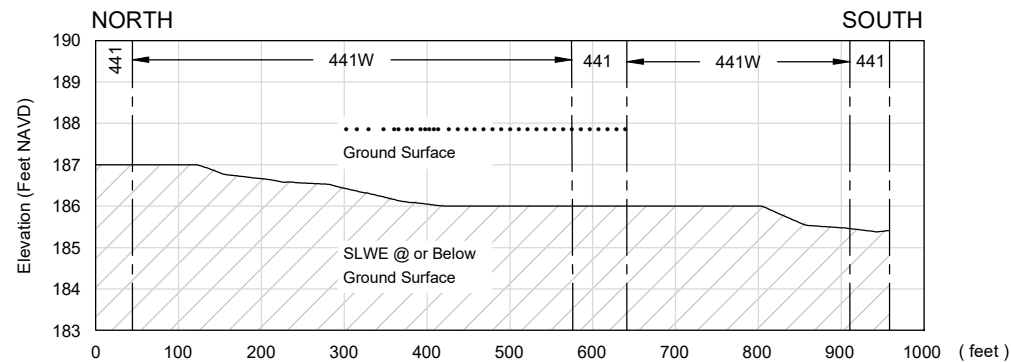


Wetland 17

LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 18

Source: Topography - Southern Resources Mapping, Inc. 2012.

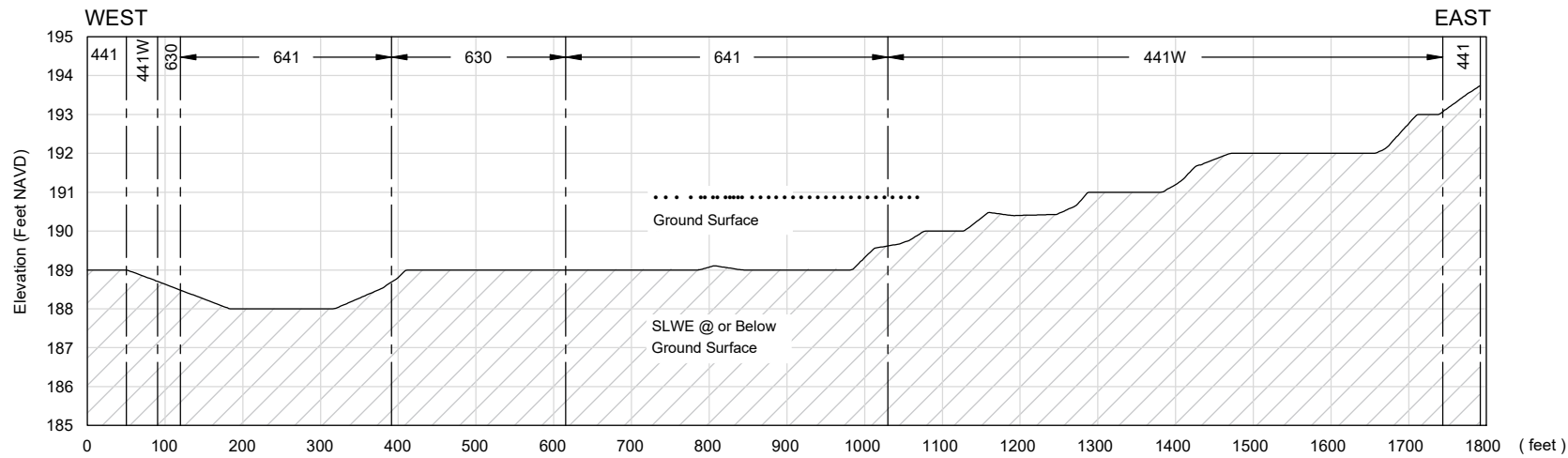
SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 17 & 18	FIGURE 11H
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 8 of 21
DATE: 11-08-2019		
REVISED:		





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CAD FILE: \\kleinfelder.com\Share\MOUNTDOON\DATA\GIS\CADD\Chemours_2019\0012848_1000A_Chemours-FL-CY2019 Trail Ridge South\CADD\TRIS_ACOE_WetlandImpact_XS.dwg LAYOUT: Wetland Impact 19 & 20 PLOTTED: 11/2/2019 12:38 PM BY: tin.danaher



Wetland 19

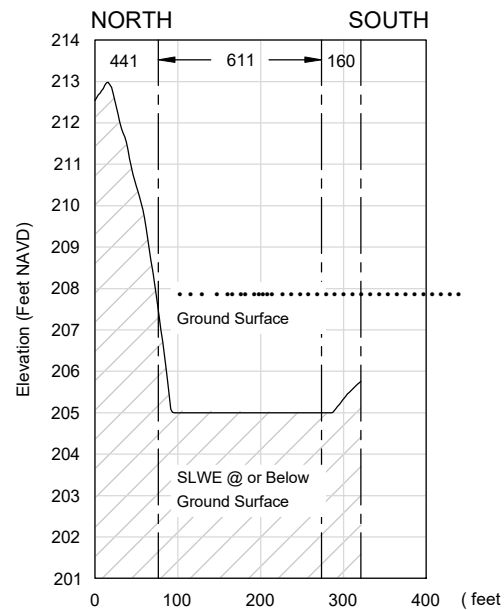
LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'

Source: Topography - Southern Resources
Mapping, Inc. 2012.

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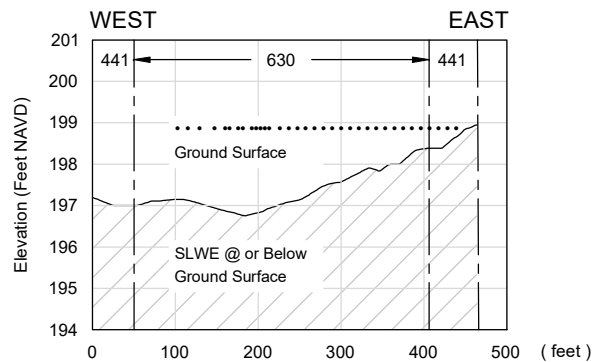
Wetland 20

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 19 & 20	FIGURE 111
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 9 of 21
DATE: 11-08-2019		
REVISED:		

CAD FILE: \\wefelder.com\Share\MOUNTDOORDATA\GIS\CAD\CHMOUNT_2019\00128481000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_WetlandImpact_XS.dwg PLOTTED: 11/8/2019 12:38 PM BY: tim.dorman

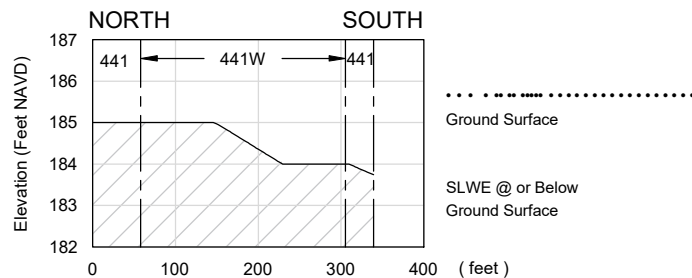


Wetland 21

LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 23

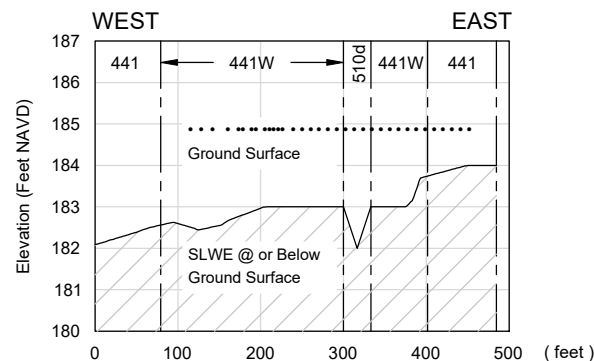
Source: Topography - Southern Resources Mapping, Inc. 2012.

SCALE:
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VERT. 1"=3'







PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 21 & 23	FIGURE 11J
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-08-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 10 of 21

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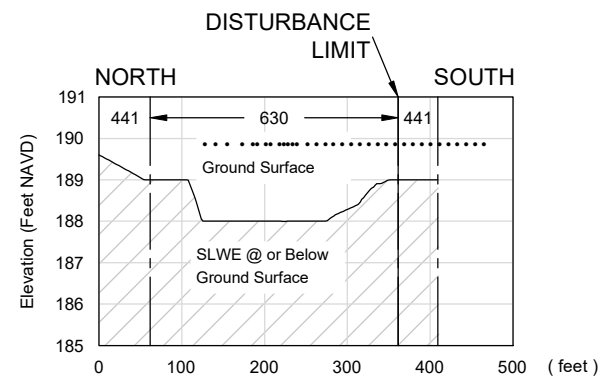


Wetland 24-1

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 24-2

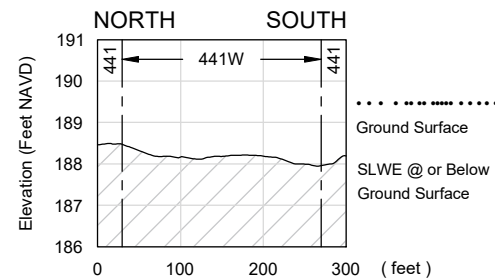
Source: Topography - Southern Resources Mapping, Inc. 2012.

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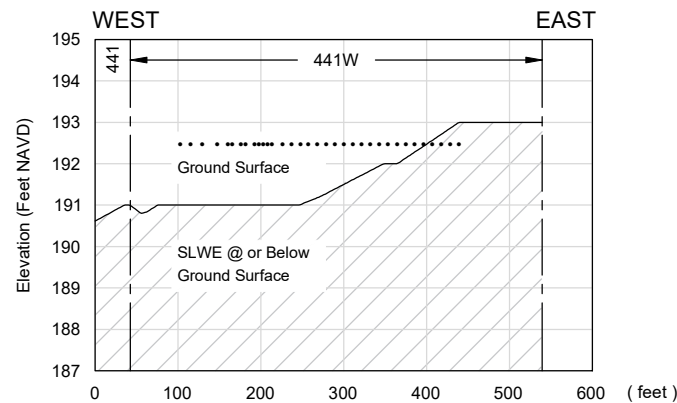


PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 24	FIGURE 11K
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 11 of 21
DATE: 11-08-2019		
REVISED:		

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


Wetland 25



Wetland 26

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

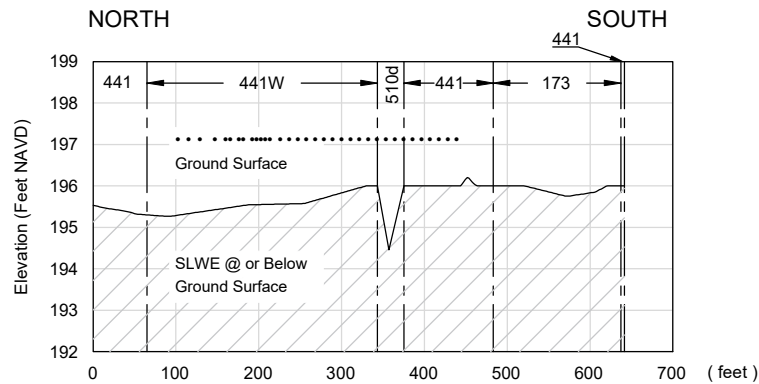
Source: Topography - Southern Resources Mapping, Inc. 2012.

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 25 & 26	FIGURE 11L
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 12 of 21
DATE: 11-08-2019		
REVISED:		

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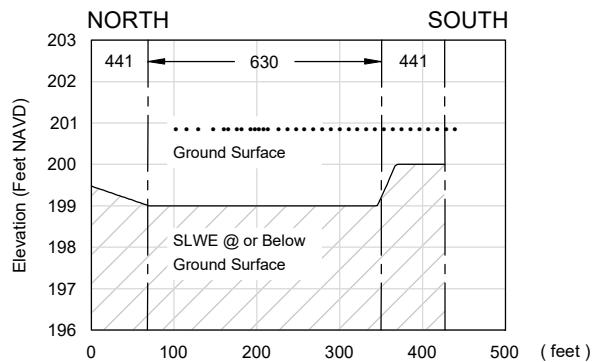


Wetland 27

LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 28

Source: Topography - Southern Resources Mapping, Inc. 2012.

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A		WETLAND IMPACT CROSS-SECTION WETLAND 27 & 28	FIGURE 11M
DRAWN BY	YQ		
CHECKED BY	TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 13 of 21
DATE:	11-08-2019		
REVISED:			

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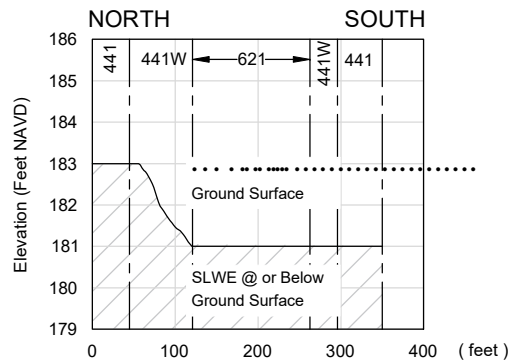
LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

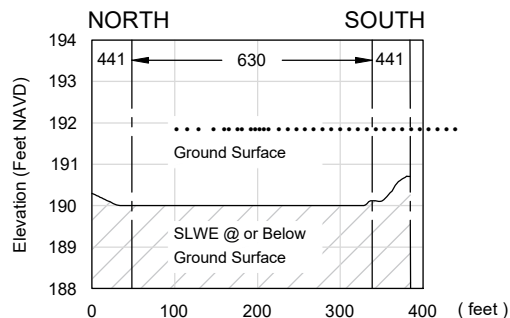
- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.

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Wetland 30







Wetland 32

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



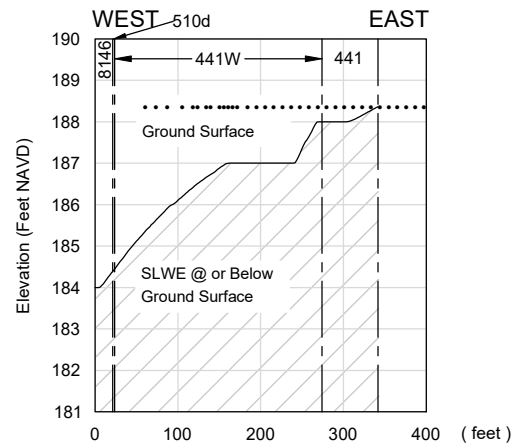
PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION	FIGURE
DRAWN BY YQ	WETLAND 30 & 32	11N
CHECKED BY TRD	Trail Ridge South	
DATE: 11-08-2019	The Chemours Company FC LLC	
REVISED:	Bradford and Clay Counties, FL	PAGE 14 of 21

LEGEND

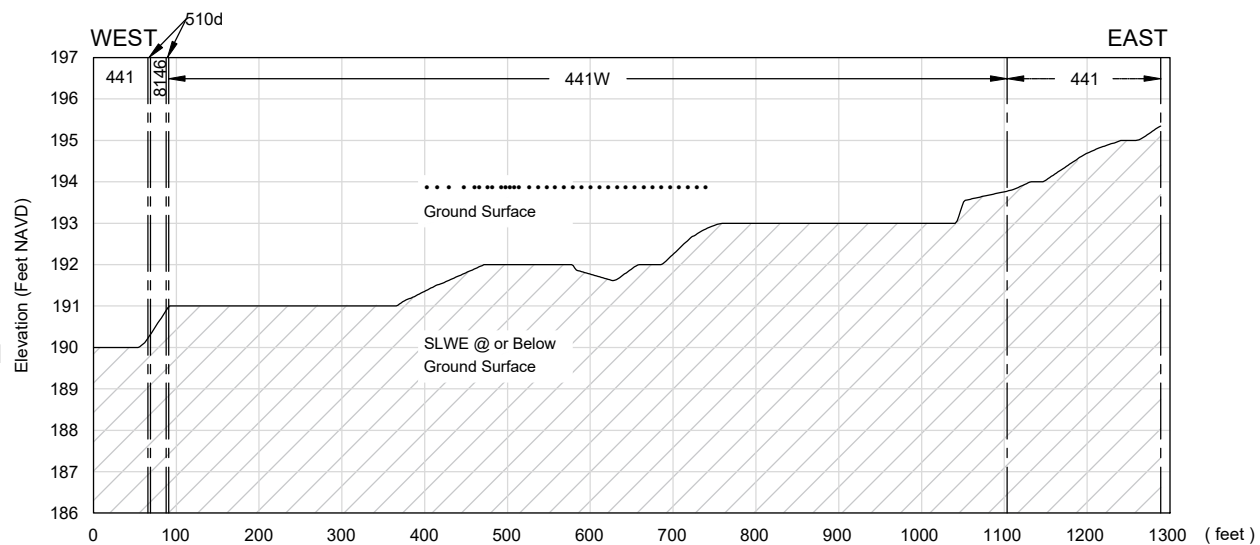
-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE
- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.

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Wetland 33







Wetland 34-1

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A		WETLAND IMPACT CROSS-SECTION WETLAND 33 & 34	FIGURE
DRAWN BY	YQ		110
CHECKED BY	TRD		
DATE:	11-08-2019		
REVISED:			
		Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 15 of 21

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

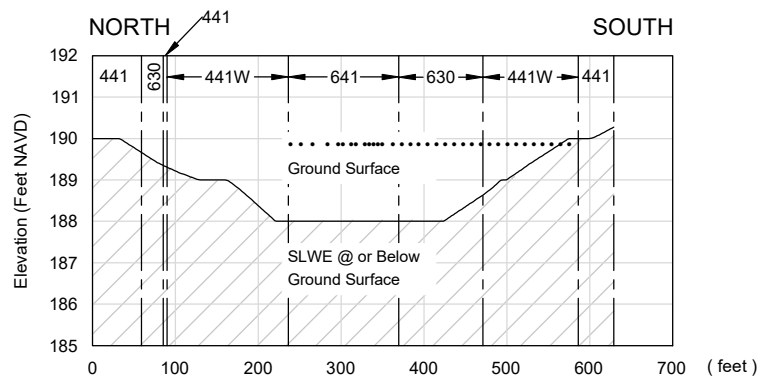
Source: Topography - Southern Resources Mapping, Inc. 2012.

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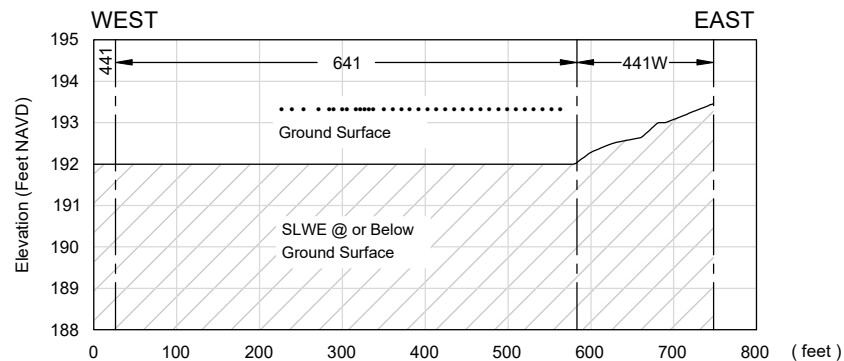
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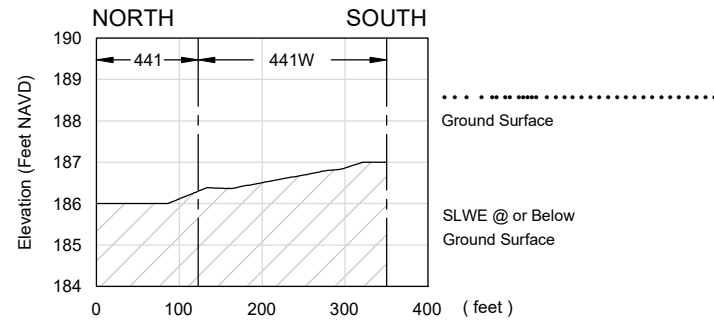
PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 34	FIGURE 11P
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 16 of 21
DATE: 11-08-2019		
REVISED:		



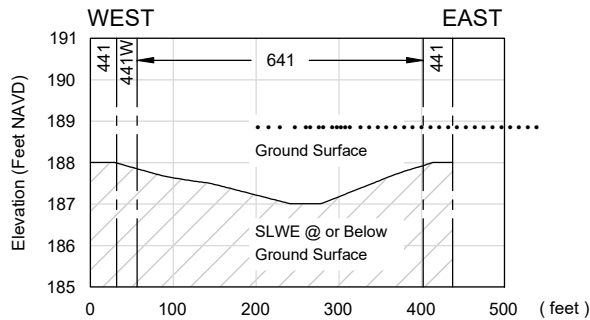
Wetland 34-2



Wetland-34-3







Wetland 36



Wetland 37

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

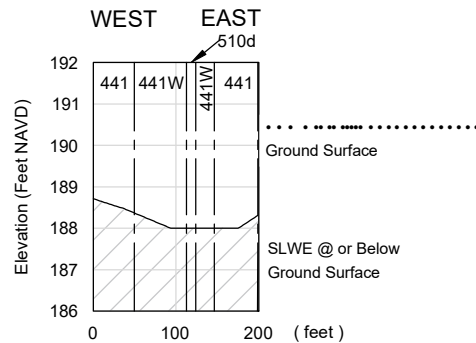
Source: Topography - Southern Resources Mapping, Inc. 2012.

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 36 & 37	FIGURE 11Q
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 17 of 21
DATE: 11-08-2019		
REVISED:		

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Wetland 38 -1

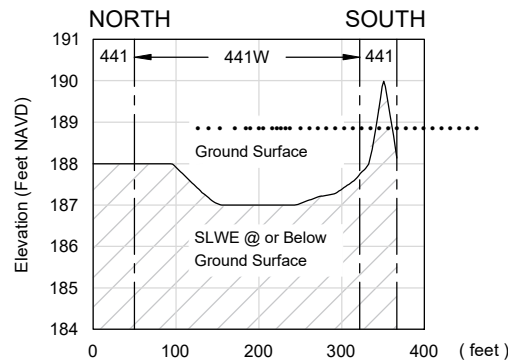
LEGEND

- IMPACT
- UNDISTURBED
- EXISTING GROUND
- LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.

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
Wetland 38-2

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



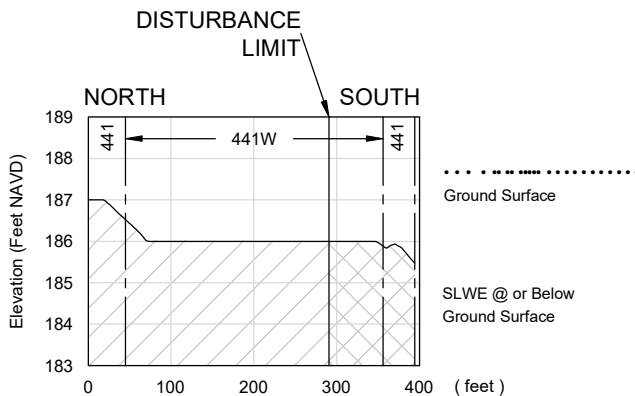
PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 38	FIGURE 11R
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-08-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 18 of 21

LEGEND

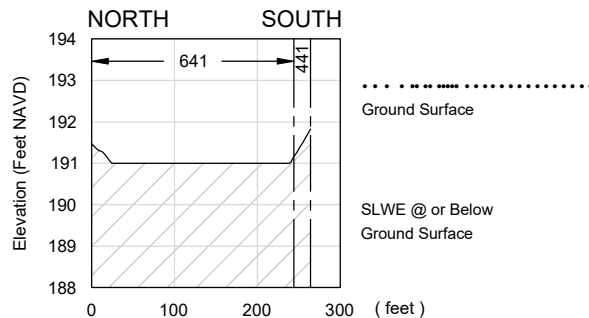
-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE
- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails

Source: Topography - Southern Resources Mapping, Inc. 2012.

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Wetland 38-3

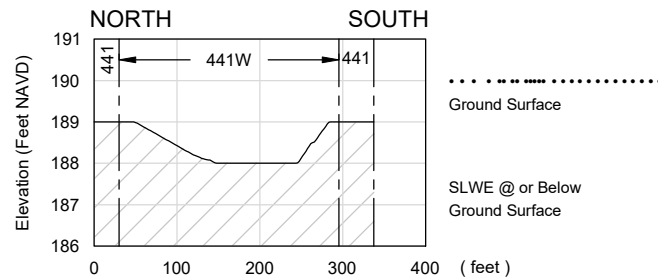


Wetland 39

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'







PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 38 & 39	FIGURE 11S
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 19 of 21
DATE: 11-08-2019		
REVISED:		

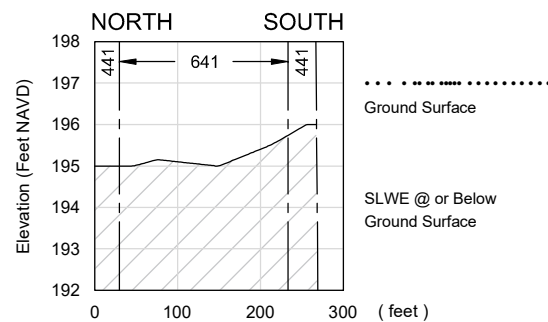


Wetland 41

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 42

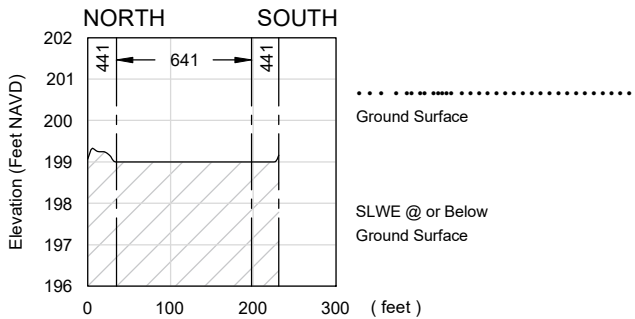
Source: Topography - Southern Resources Mapping, Inc. 2012.

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'







PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION WETLAND 41 & 42	FIGURE 11T
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 20 of 21
DATE: 11-08-2019		
REVISED:		

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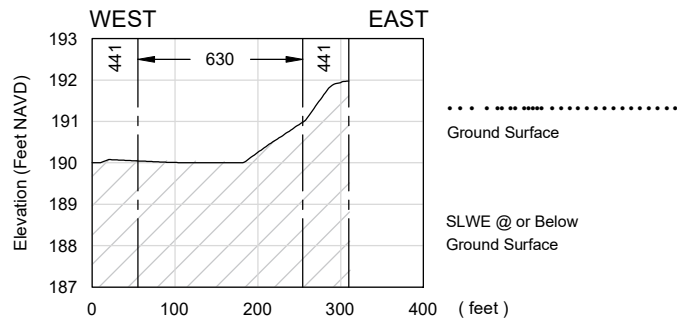


Wetland 43

LEGEND

-  IMPACT
-  UNDISTURBED
-  EXISTING GROUND
-  LAND USE CODE

- 160 - Extractive
- 173 - Military
- 441 - Coniferous Plantation
- 441W- Coniferous Plantation Wetland
- 510d - Ditch/Canal
- 611 - Bay Swamps
- 630 - Wetland Forested Mixed
- 631 - Wetland Scrub
- 641 - Freshwater Marsh
- 8146- Primitive Roads/Trails



Wetland 45

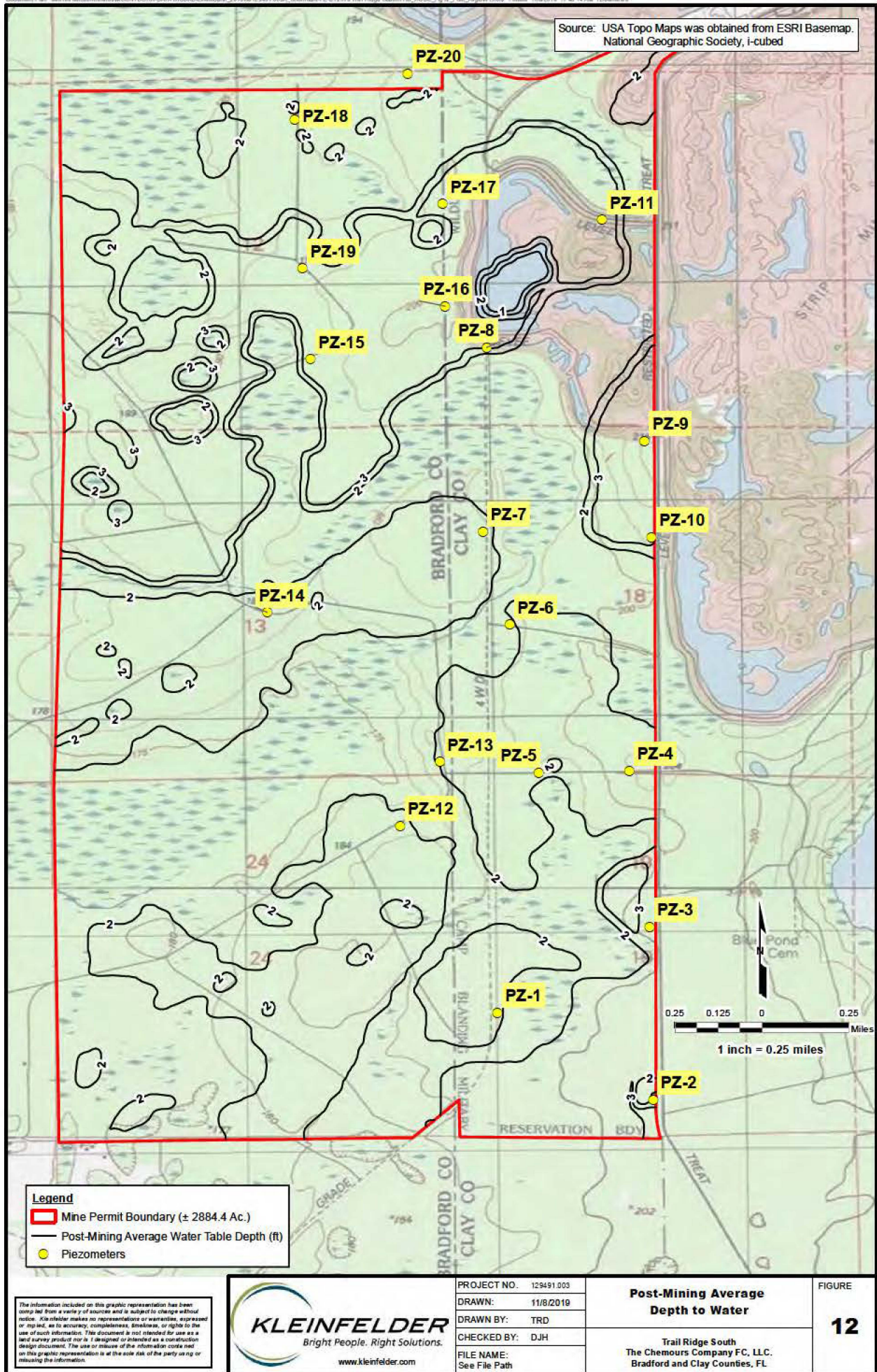
Source: Topography - Southern Resources Mapping, Inc. 2012.

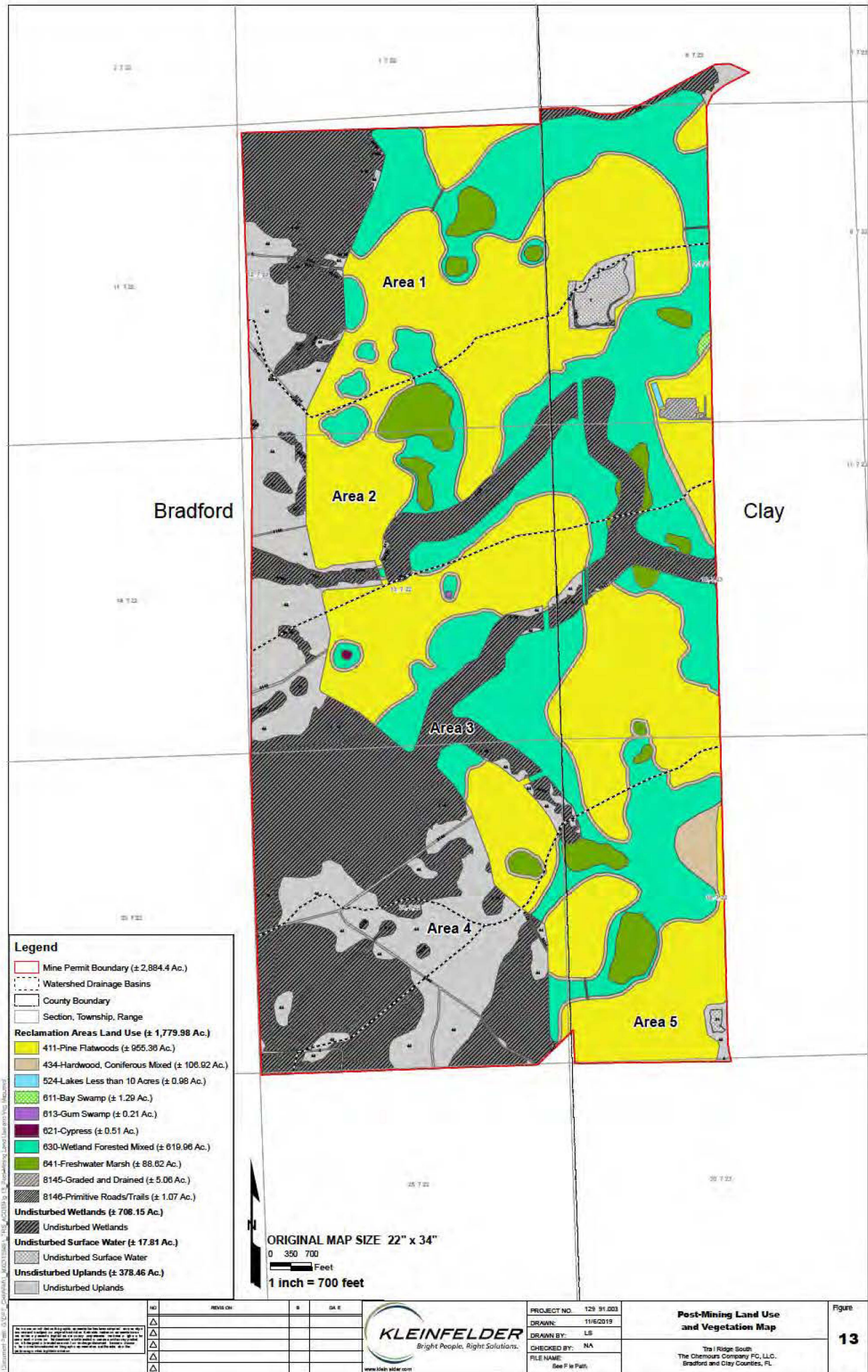
SCALE:
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VERT. 1"=3'

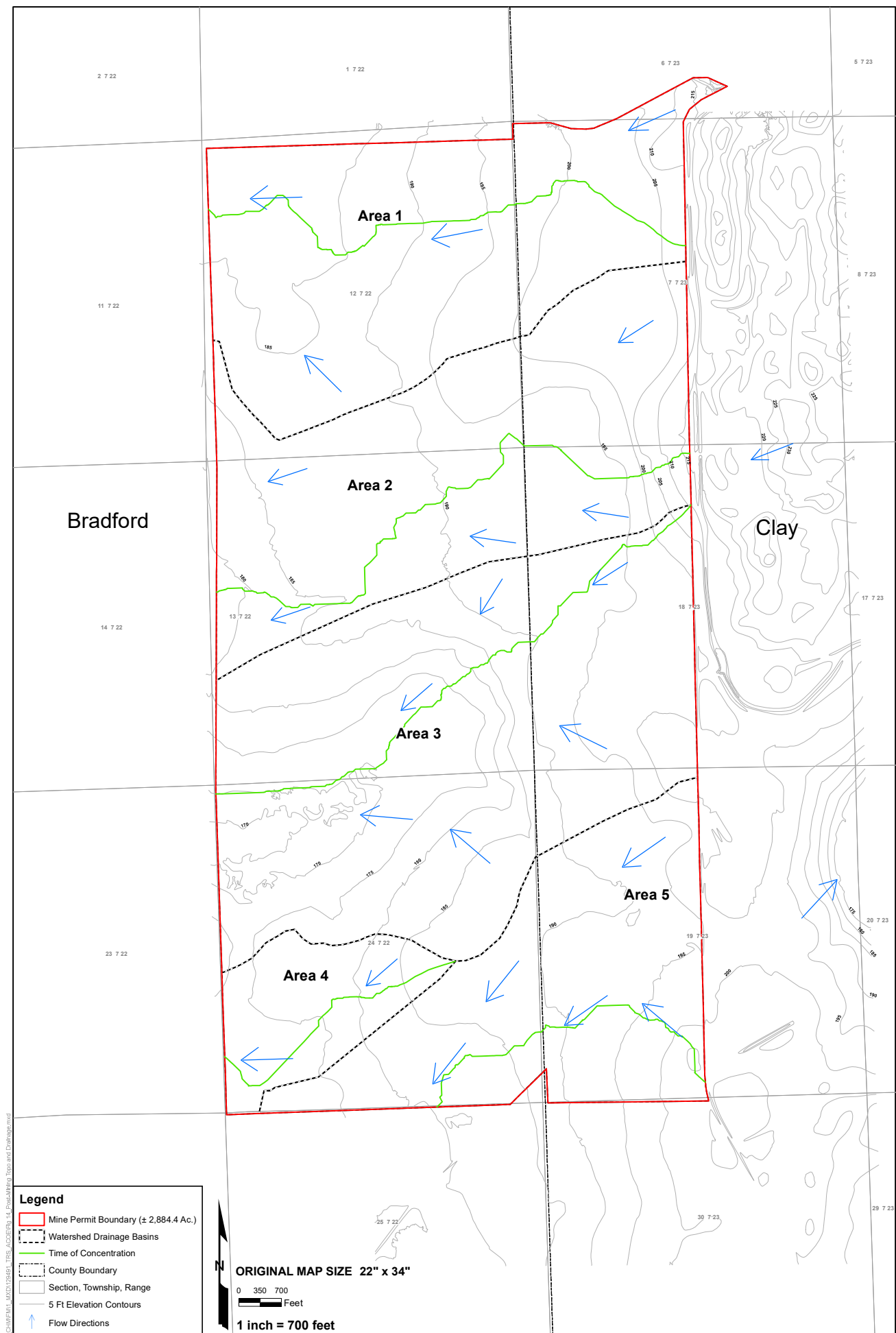


PROJECT NO. 00129 91.003A	WETLAND IMPACT CROSS-SECTION	FIGURE
DRAWN BY YQ	WETLAND 43 & 45	11U
CHECKED BY TRD	Trail Ridge South	
DATE: 11-08-2019	The Chemours Company FC LLC	
REVISED:	Bradford and Clay Counties, FL	
		PAGE 21 of 21

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Legend

- Mine Permit Boundary (± 2,884.4 Ac.)
- Watershed Drainage Basins
- Time of Concentration
- County Boundary
- Section, Township, Range
- 5 Ft Elevation Contours
- ↑ Flow Directions

ORIGINAL MAP SIZE 22" x 34"

0 350 700
Feet

1 inch = 700 feet

Document Path: G:\DPT\CHM\PM1\100138461_TSS_Access_14_Produktion_Topo and Drainage.mxd

NO.	REVISION	DATE
1		
2		
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NO.	REVISION	DATE
1		
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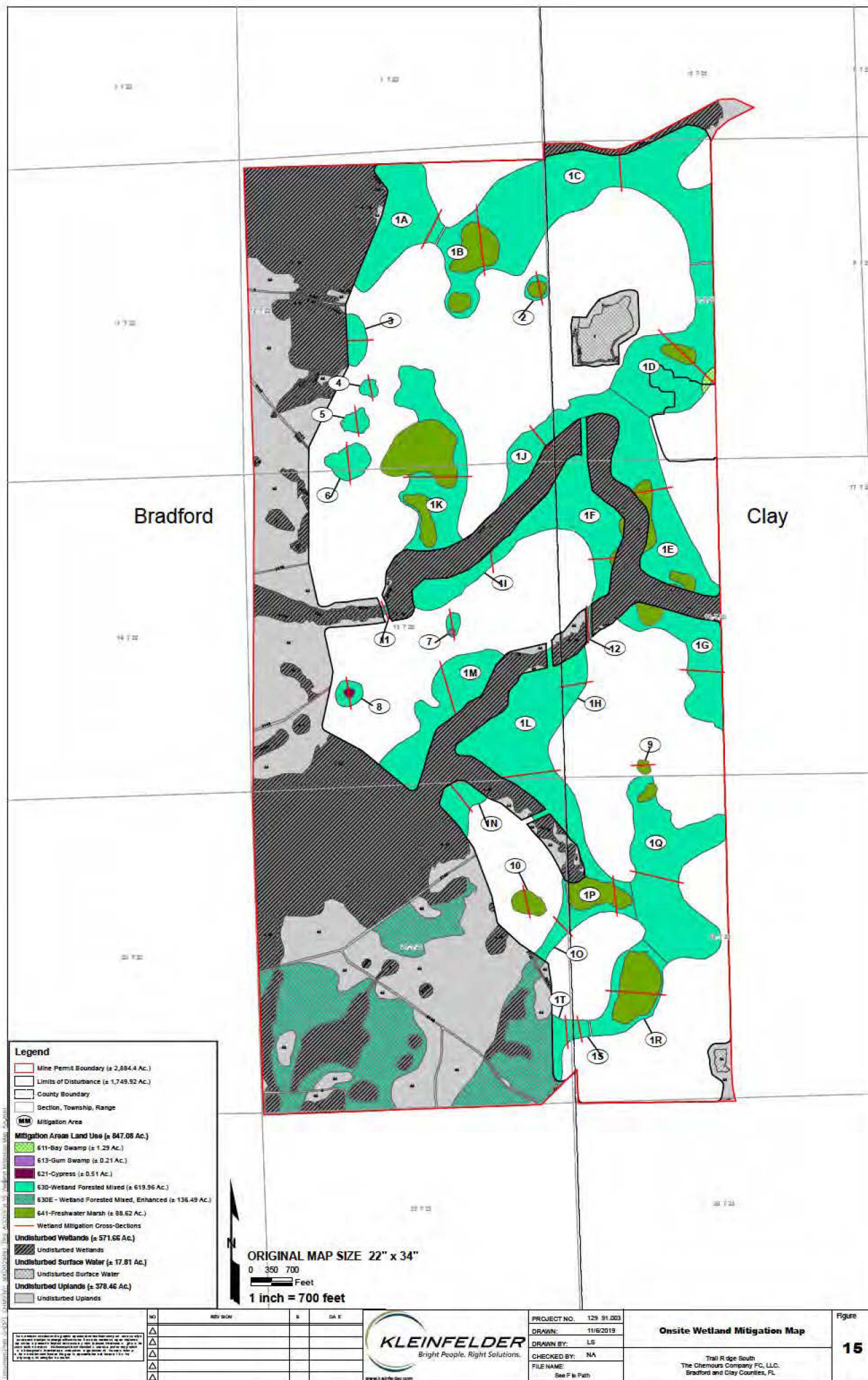
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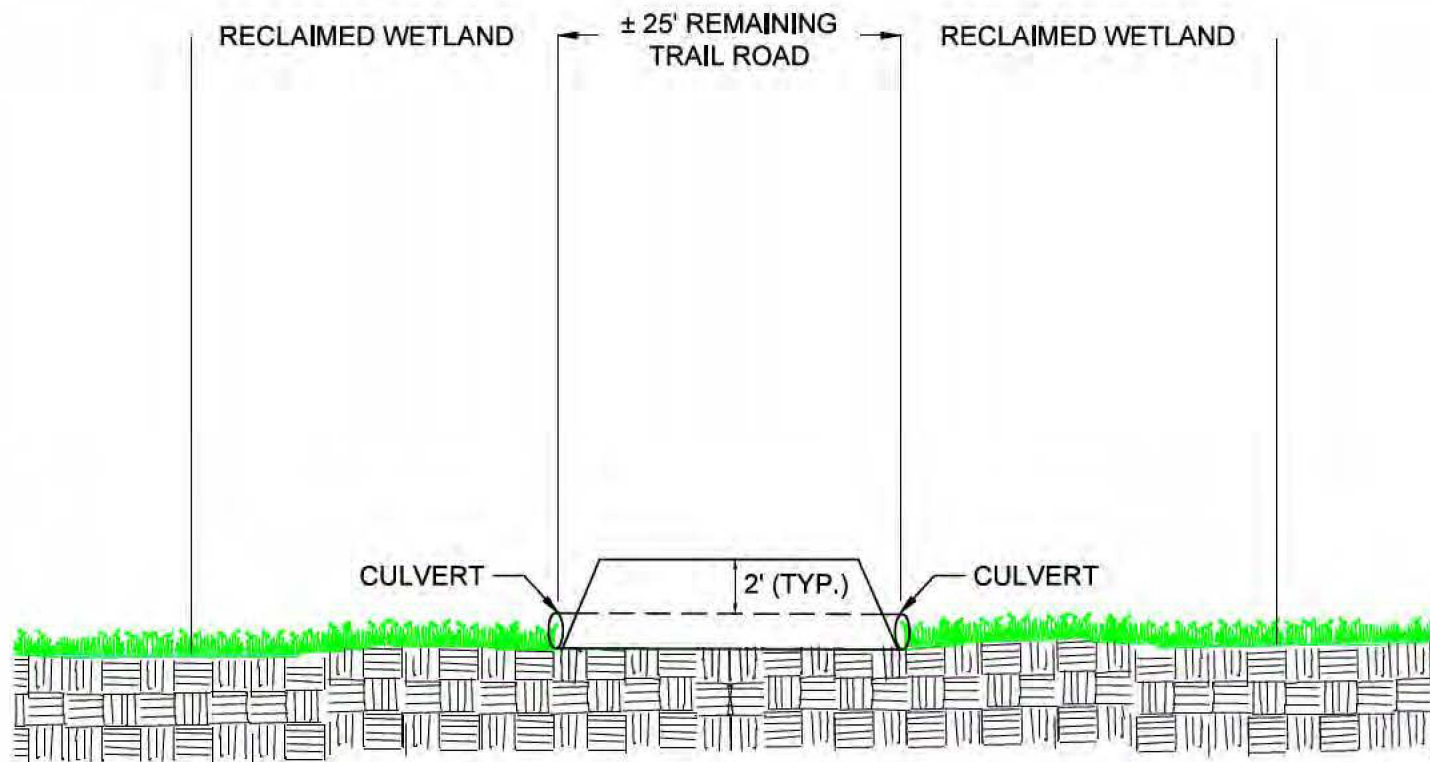
www.kleinfelder.com

PROJECT NO.	129 91.003
DRAWN BY:	LS
CHECKED BY:	NA
FILE NAME:	See File Path

Post-Mining Topography and Drainage Basins Map

Tra I Ridge South
The Chemours Company FC, LLC.
Bradford and Clay Counties, FL.





CROSS SECTION G-H - CULVERTED ROAD WETLAND CROSSING
NOT TO SCALE

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PROJECT NO.	129491.003
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CHECKED BY:	TRD
DATE	11-08-2019
FILENAME:	See file path

CROSS SECTION G - H

TRAIL RIDGE SOUTH
THE CHEMOURS COMPANY FC, LLC.
BRADFORD AND CLAY COUNTIES, FL

FIGURE

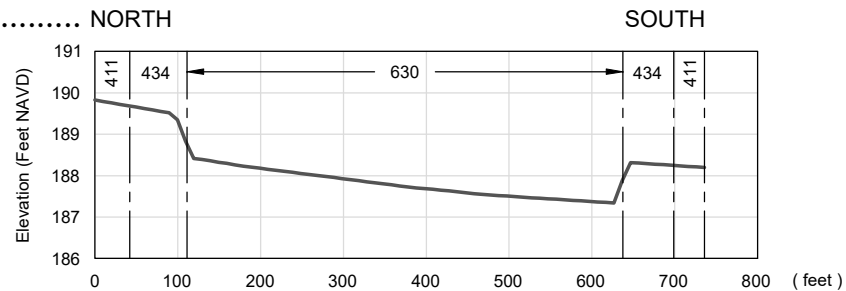
16

CAD FILE: \\kleinfelder.com\Shares\MOUNTDOORDATA\GIS\CADD\Chemours\2019\0012848\1000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_Peak_LU_CrossSections.dwg LAYOUT: Wetland Mitigation 1A & 1B PLOTTED: 11/12/2019 10:29 AM BY: km.demaria

Note:

.....

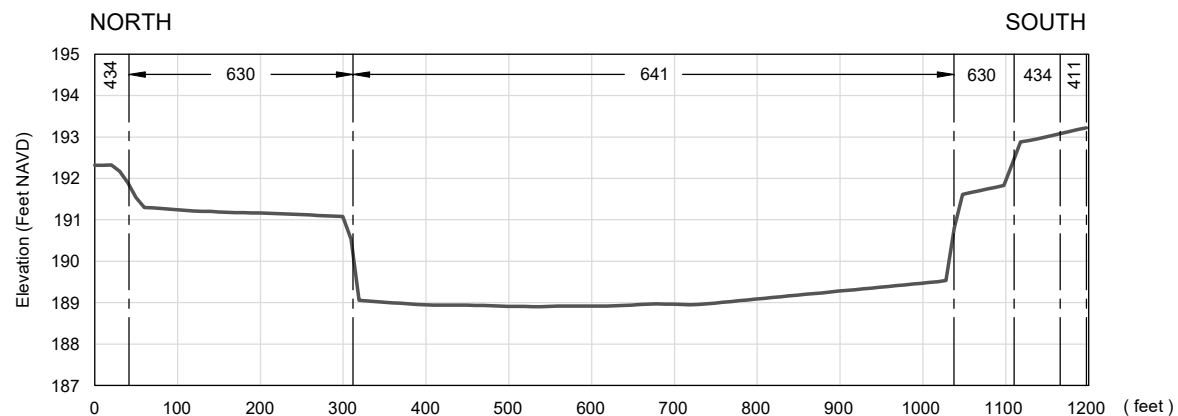
SLWE @ Or Below Ground Surface



LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1A & 1B	FIGURE 16A
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 1 of 16

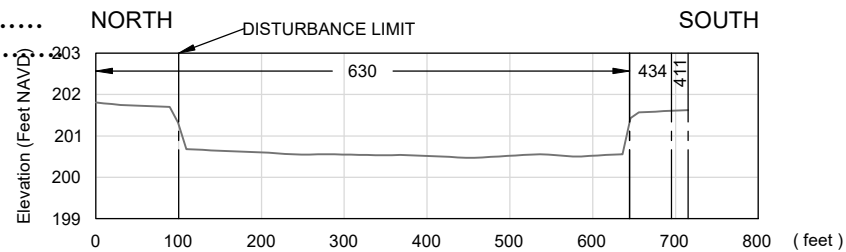
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Note:

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SLWE @ Or Below Ground Surface

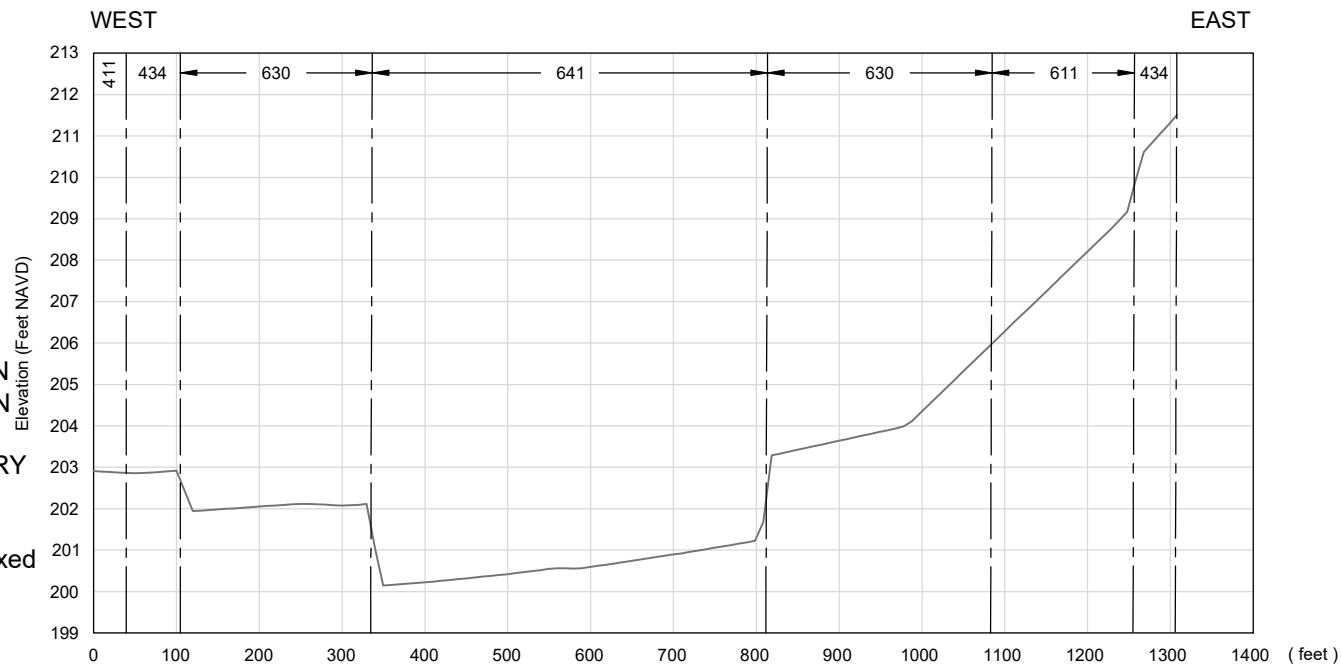


LEGEND

—— POST-RECLAMATION
GROUND ELEVATION

----- LAND USE BOUNDARY

411 - Pine Flatwoods
434 - Hardwood-Coniferous Mixed
611 - Bay Swamps
613 - Gum Swamp
621 - Cypress
641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A
DRAWN BY YQ
CHECKED BY TRD
DATE: 11-12-2019
REVISED:

WETLAND MITIGATION
CROSS-SECTION 1C & 1D

Trail Ridge South
The Chemours Company FC LLC
Bradford and Clay Counties, FL

FIGURE

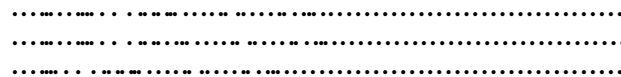
16B

PAGE 2 of 16

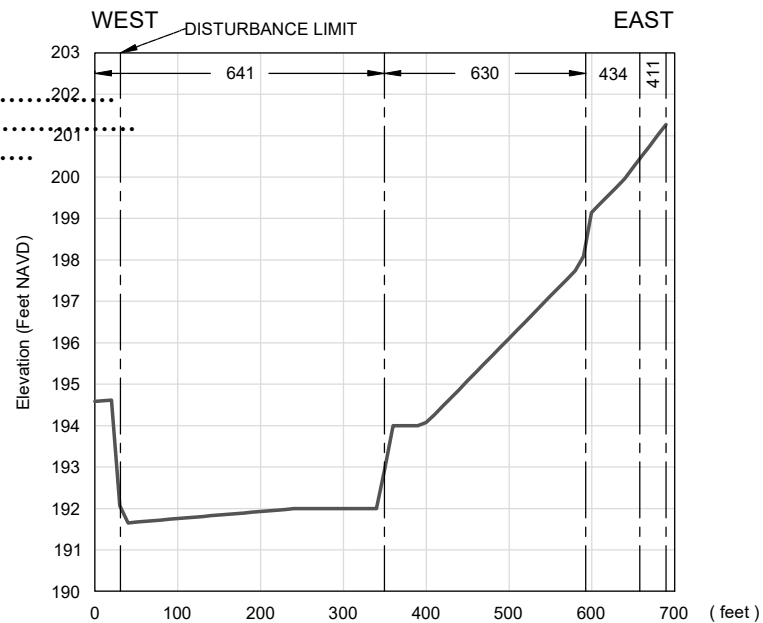
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CAD FILE: \\kleinfelder.com\Share\MOUNTDORADATAG\ISCAD\Chemours_20190012848_1000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_Peak_LU_CrossSections.dwg PLOTTED: 11/12/2019 10:29 AM BY: km.danahara LAYOUT: Wetland Mitigation 1E & 1F

Note:



SLWE @ Or Below Ground Surface

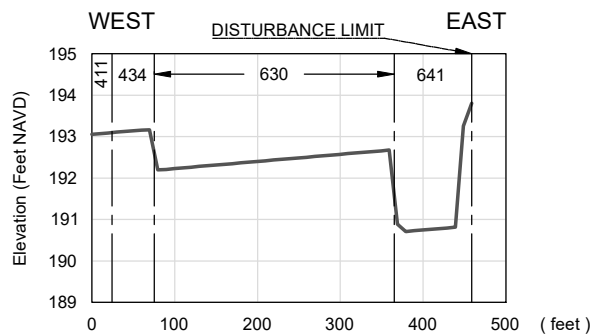


Cross-Section 1E

LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



Cross-Section 1F

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1E & 1F	FIGURE 16C
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 3 of 16

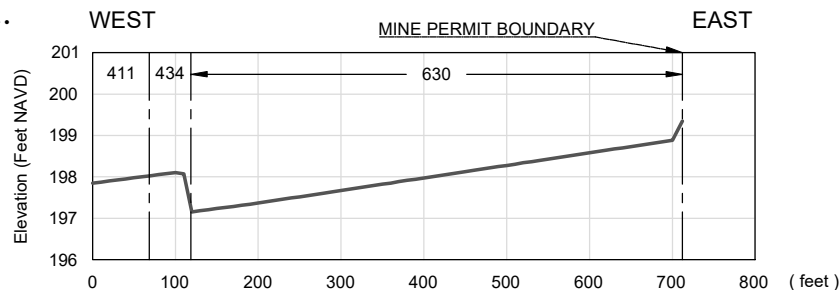
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CAD FILE: \\kleinfelder.com\Share\MOUNTDOORDATA\GIS\CADD\CH0019\Trail Ridge South\CAD\TMS_ACOE_Peak_LU_CrossSections.dwg LAYOUT: Wetland Mitigation 1G & 1H PLOTTED: 11/12/2019 10:29 AM BY: km.demaria

Note:

.....
.....
.....

SLWE @ Or Below Ground Surface

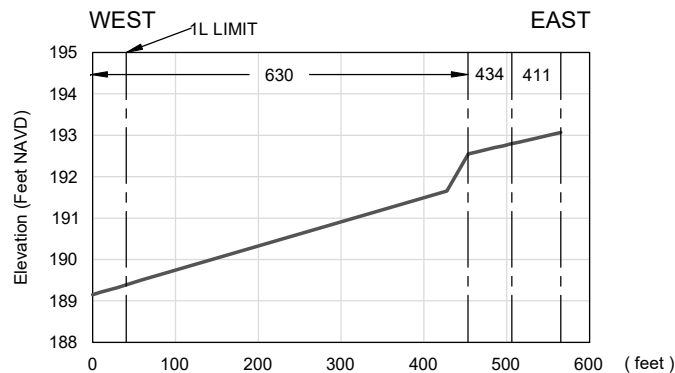


Cross-Section 1G

LEGEND

- POST-RECLAMATION
GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
434 - Hardwood-Coniferous Mixed
611 - Bay Swamps
613 - Gum Swamp
621 - Cypress
641 - Freshwater Marsh



Cross-Section 1H

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'

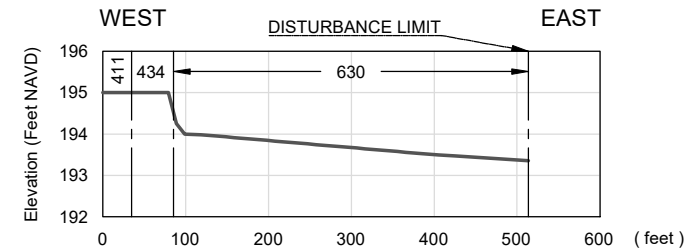
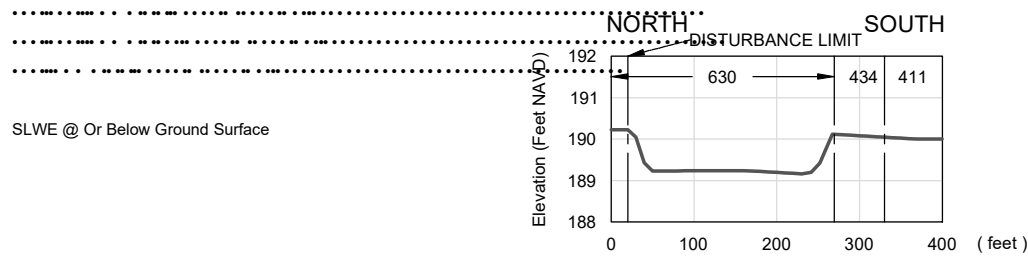


PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1G & 1H	FIGURE
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	16D
REVISED:		PAGE 4 of 16

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CAD FILE: \\kleinfelder.com\Shares\MOUNTDOORDATA\GIS\CADD\Wetlands\2019\0012848\1000A_Chemours-FL-CY2019 Trail Ridge South\CADD\Wetlands\Wetland_Mitigation\11 & 1J_LAYOUT\Wetland_Mitigation\11 & 1J.dwg PLOTTED: 11/12/2019 10:29 AM BY: km.danahara

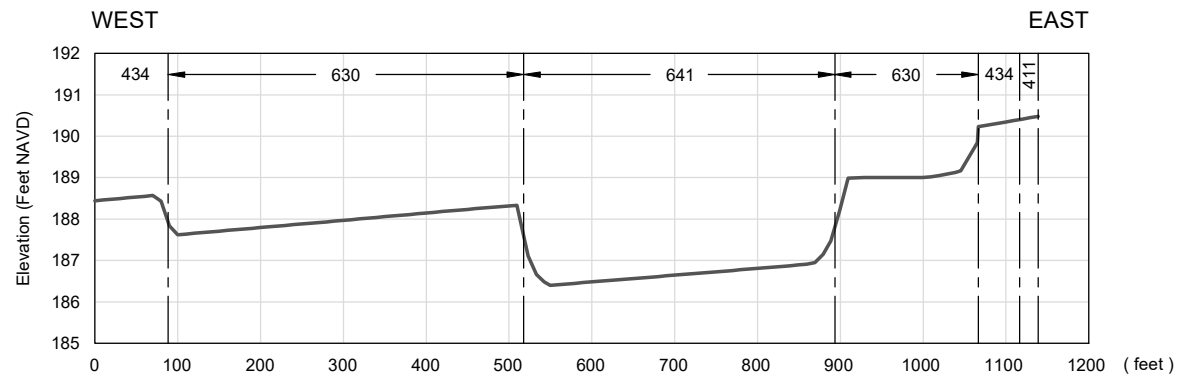
Note:



LEGEND

- POST-RECLAMATION GROUND ELEVATION
- - - - LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'

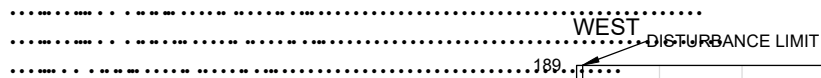


PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1I, 1J, 1K	FIGURE 16E
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 5 of 16

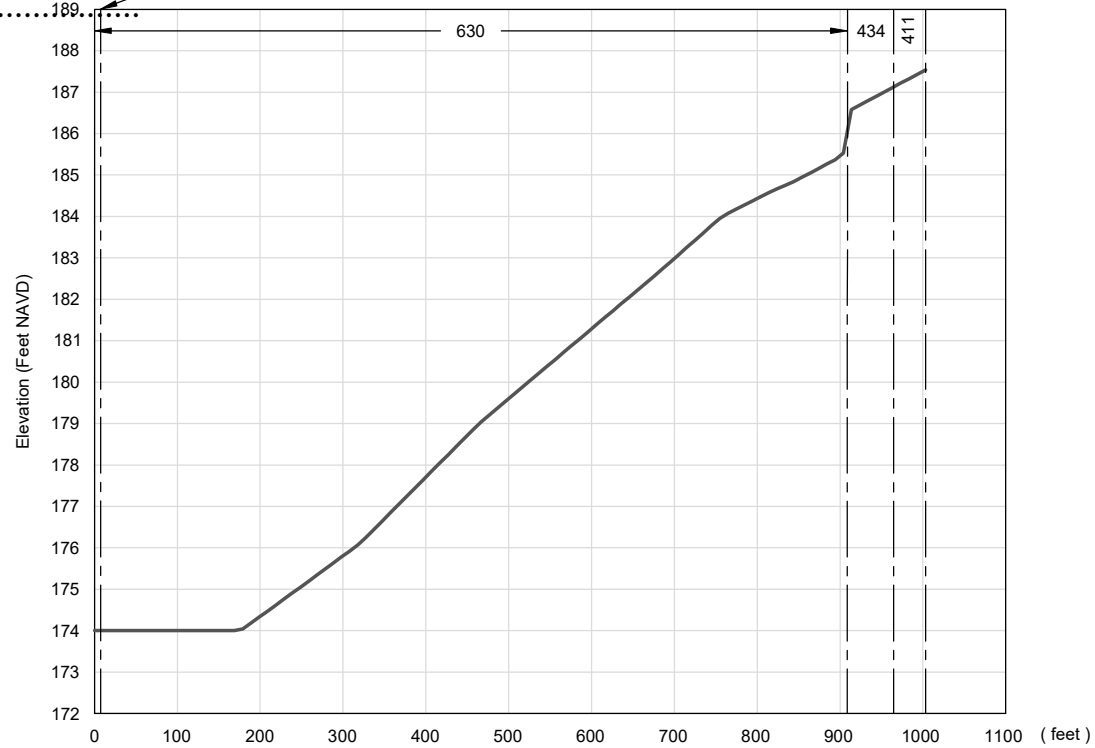
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CAD FILE: \\winkfield.com\Shares\MOUNTDOORDATA\GIS\CAD\Chemours\2019\0012648 1000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_Peak_LU_CrossSection1L.dwg LAYOUT: Wetland Mitigation 1K & 1L PLOTTED: 11/12/2019 10:29 AM BY: km.demaria

Note:



SLWE @ Or Below Ground Surface



LEGEND

- POST-RECLAMATION GROUND ELEVATION
- - - - - LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh

Cross-Section 1L

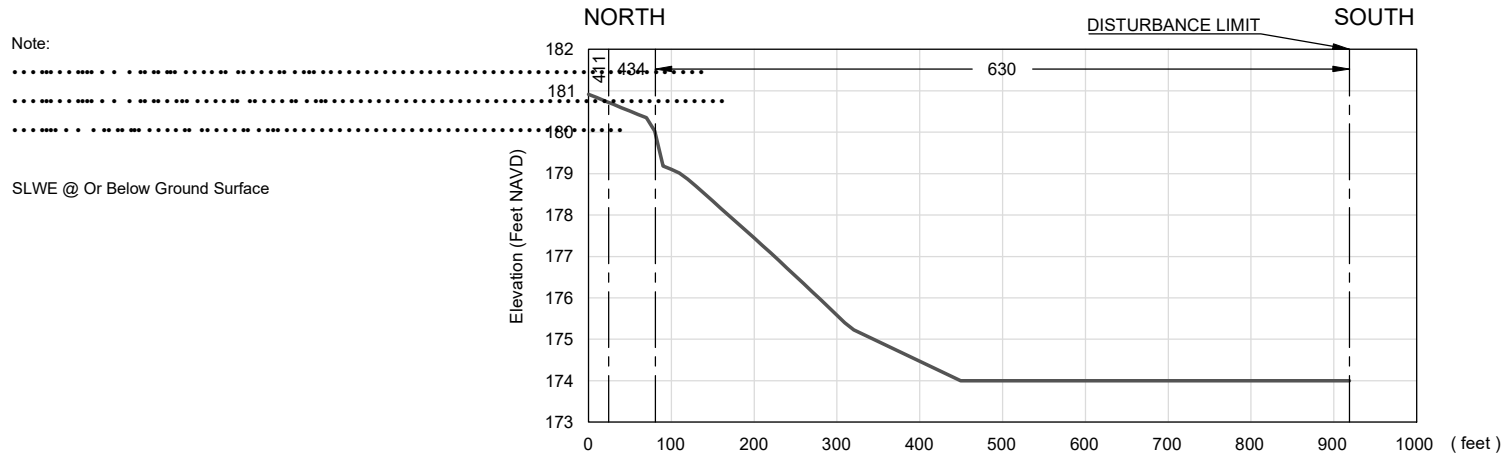
SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1L	FIGURE 16F
DRAWN BY YQ	Trail Ridge South	
CHECKED BY TRD	The Chemours Company FC LLC	
DATE: 11-12-2019	Bradford and Clay Counties, FL	
REVISED:		PAGE 6 of 16

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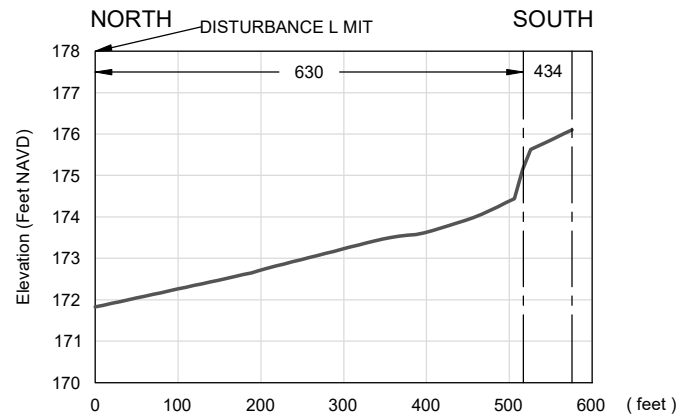
CAD FILE: \\winkfield.com\Shares\MOUNTDOORDATA\GIS\CAD\Chemours\2019\0012848\1000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_Peak_LU_CrossSections.dwg LAYOUT: Wetland Mitigation 1M & 1N PLOTTED: 11/12/2019 10:29 AM BY: km.demaria



LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1M & 1N	FIGURE
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South	16G
REVISED:	The Chemours Company FC LLC Bradford and Clay Counties, FL	

CAD FILE: \\wefielder.com\Shares\MOUNTDOORDATA\GIS\CAD\Chemours\2019\00128481000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_Peak_LU_CrossSection10.dwg LAYOUT: Wetland Mitigation 10 & 1P PLOTTED: 11/12/2019 10:29 AM BY: km.demaria

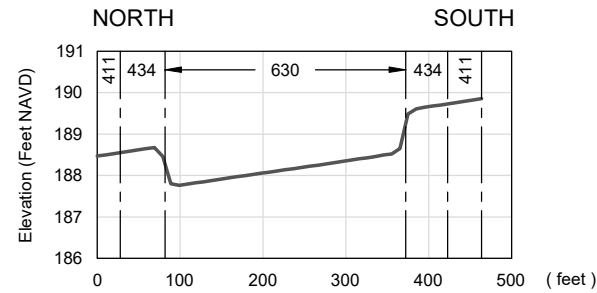
Note:

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SLWE @ Or Below Ground Surface

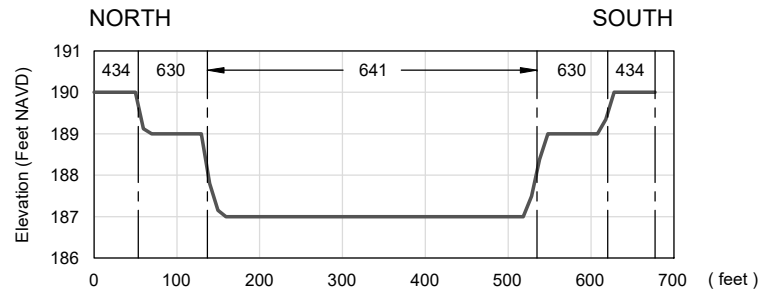


Cross-Section 10

LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



Cross-Section 1P

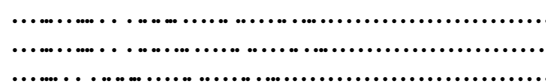
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VERT. 1"=3'



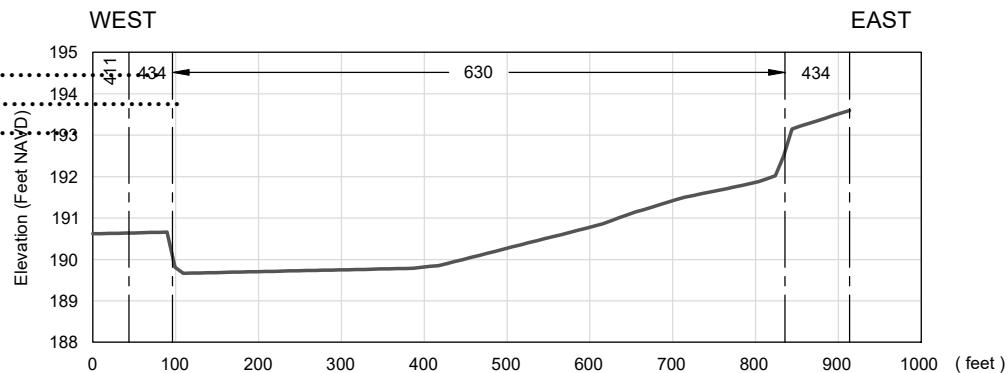
PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 10 & 1P	FIGURE 16H
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 8 of 16
DATE: 11-12-2019		
REVISED:		

CAD FILE: \\wefelder.com\Shares\MOUNTDORAD\DATA\GIS\CAD\Chemours_2019\0012848_1000A_Chemours-FL-CY2019 Trail Ridge South\CAD\ITRS_ACOE_Peak_LU_CrossSections.dwg PLOTTED: 11/12/2019 10:29 AM BY: km.demaria LAYOUT: Wetland Mitigation 1Q & 1R

Note:



SLWE @ Or Below Ground Surface

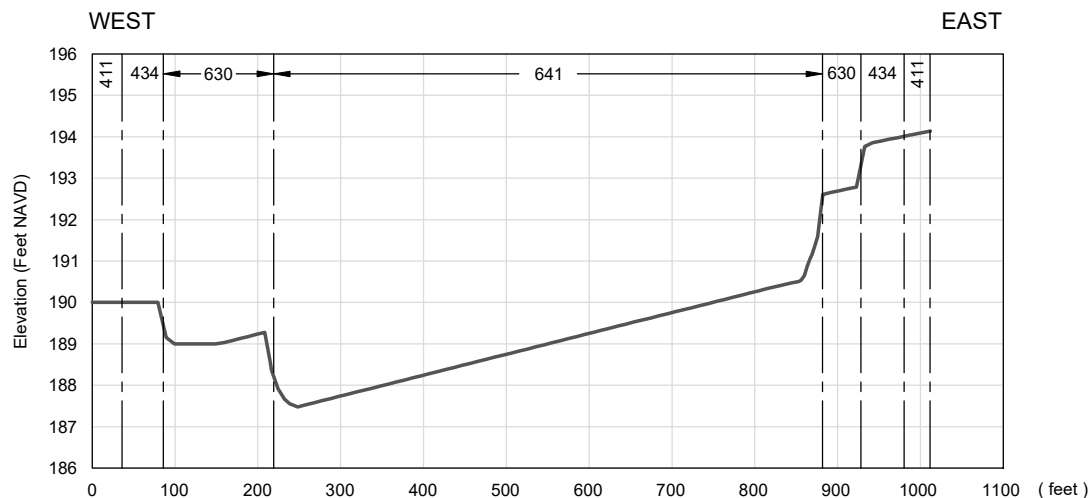


Cross-Section 1Q

LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



Cross-Section 1R

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1Q & 1R	FIGURE 161
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 9 of 16

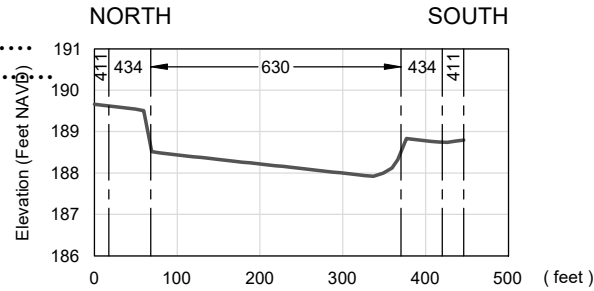
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Note:

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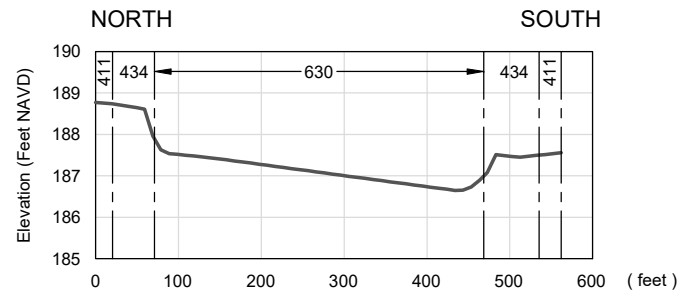
SLWE @ Or Below Ground Surface



LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'

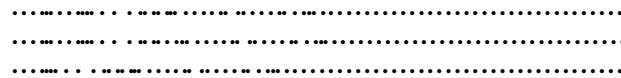


PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 1S & 1T	FIGURE 16J
DRAWN BY YQ	Trail Ridge South	
CHECKED BY TRD	The Chemours Company FC LLC	
DATE: 11-12-2019	Bradford and Clay Counties, FL	
REVISED:		PAGE 10 of 16

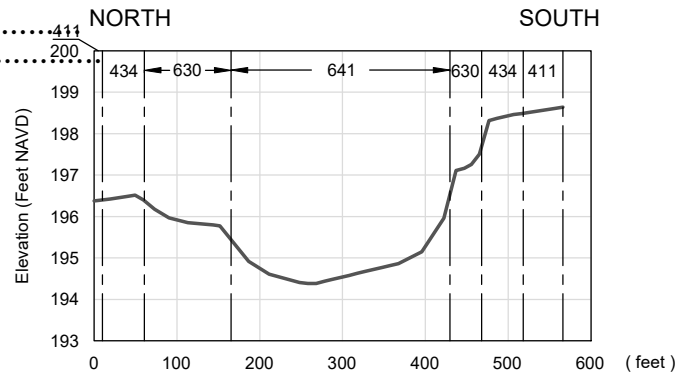
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Note:



SLWE @ Or Below Ground Surface

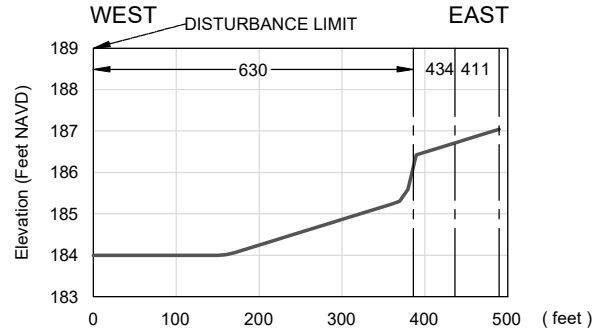


Cross-Section 2

LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



Cross-Section 3

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 2 & 3	FIGURE 16K
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
REVISED:		PAGE 11 of 16

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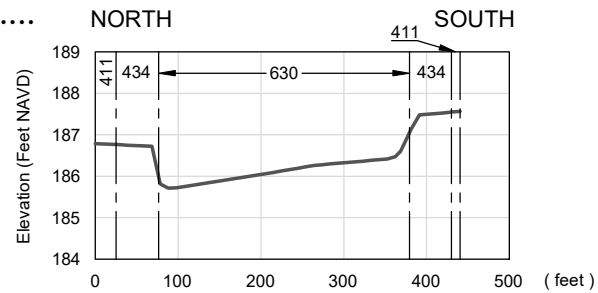
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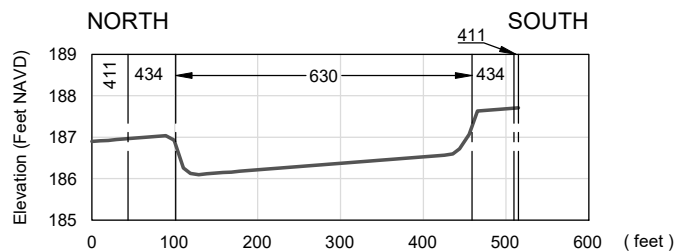
SLWE @ Or Below Ground Surface



LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 4 & 5	FIGURE
DRAWN BY YQ		16L
CHECKED BY TRD	Trail Ridge South	
DATE: 11-12-2019	The Chemours Company FC LLC	
REVISED:	Bradford and Clay Counties, FL	
		PAGE 12 of 16

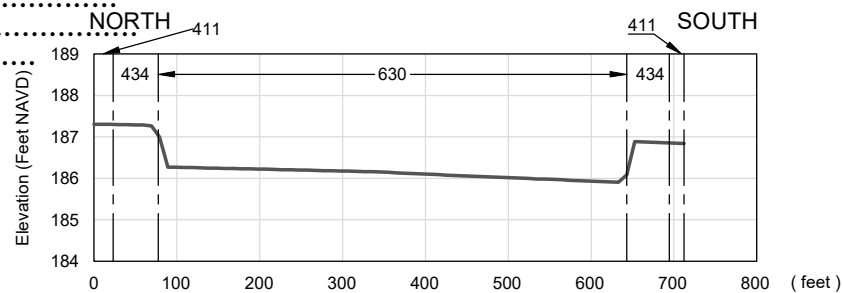
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Note:

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SLWE @ Or Below Ground Surface

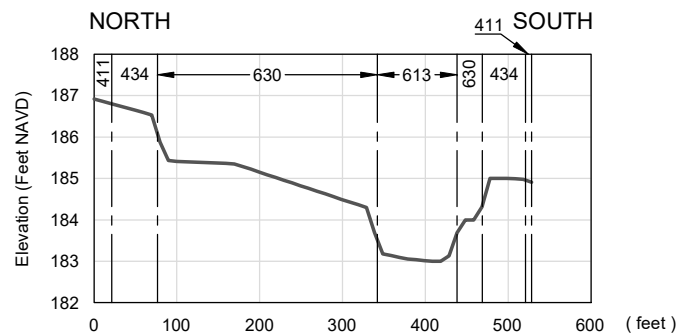


Cross-Section 6

LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh



Cross-Section 7

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 6 & 7	FIGURE 16M
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
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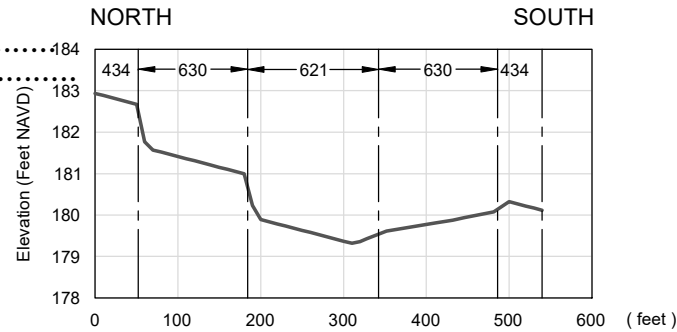
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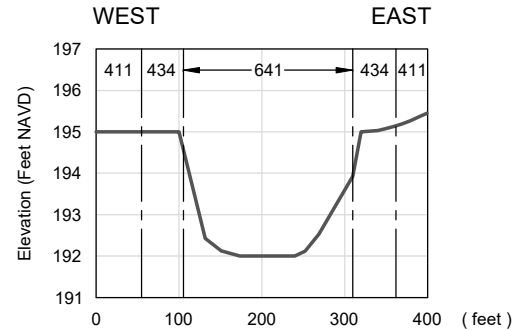
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SLWE @ Or Below Ground Surface



Cross-Section 8



Cross-Section 9

LEGEND

- POST-RECLAMATION
GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamp
- 621 - Cypress
- 641 - Freshwater Marsh

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 8 & 9	FIGURE 16N
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
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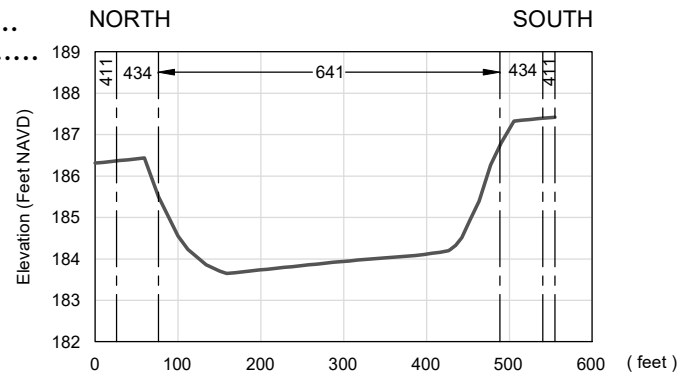
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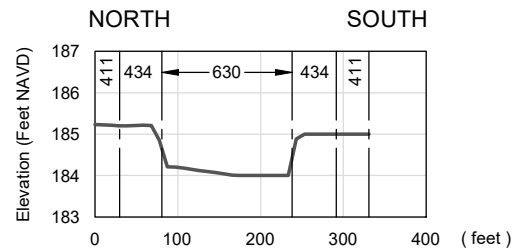
SLWE @ Or Below Ground Surface



LEGEND

- POST-RECLAMATION
GROUND ELEVATION
- LAND USE BOUNDARY

- 411 - Pine Flatwoods
434 - Hardwood-Coniferous Mixed
611 - Bay Swamps
613 - Gum Swamp
621 - Cypress
641 - Freshwater Marsh



SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 10 & 11	FIGURE 160
DRAWN BY YQ		
CHECKED BY TRD		
DATE: 11-12-2019	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	
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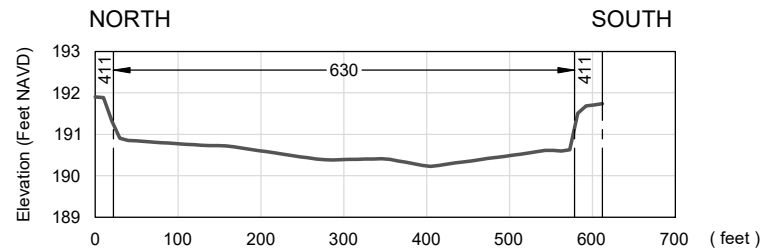
Note:

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SLWE @ Or Below Ground Surface



Cross-Section 12

LEGEND

- POST-RECLAMATION GROUND ELEVATION
- LAND USE BOUNDARY

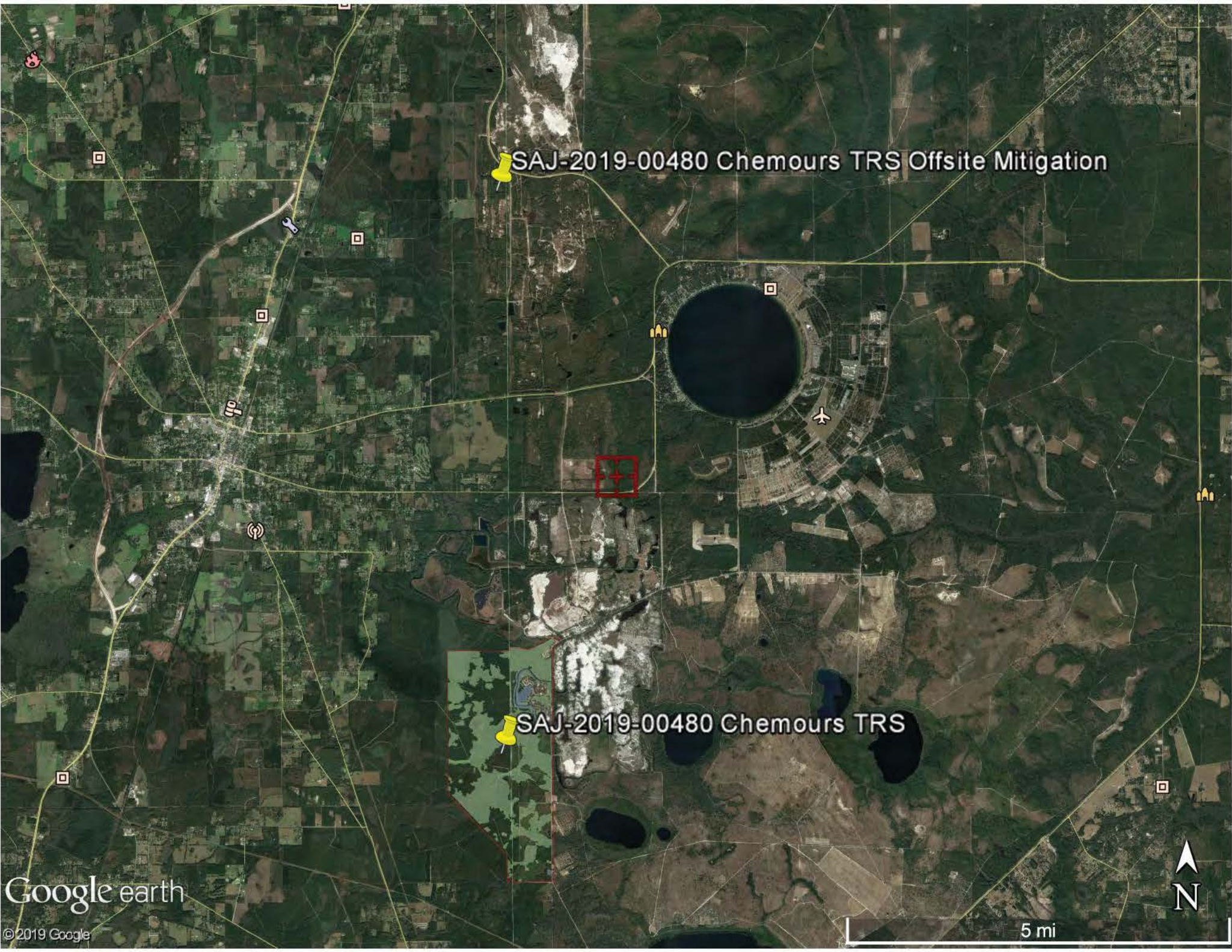
- 411 - Pine Flatwoods
- 434 - Hardwood-Coniferous Mixed
- 611 - Bay Swamps
- 613 - Gum Swamps
- 621 - Cypress
- 641 - Freshwater Marsh

SCALE:
HORIZ. 1"= 150'
VERT. 1"=3'



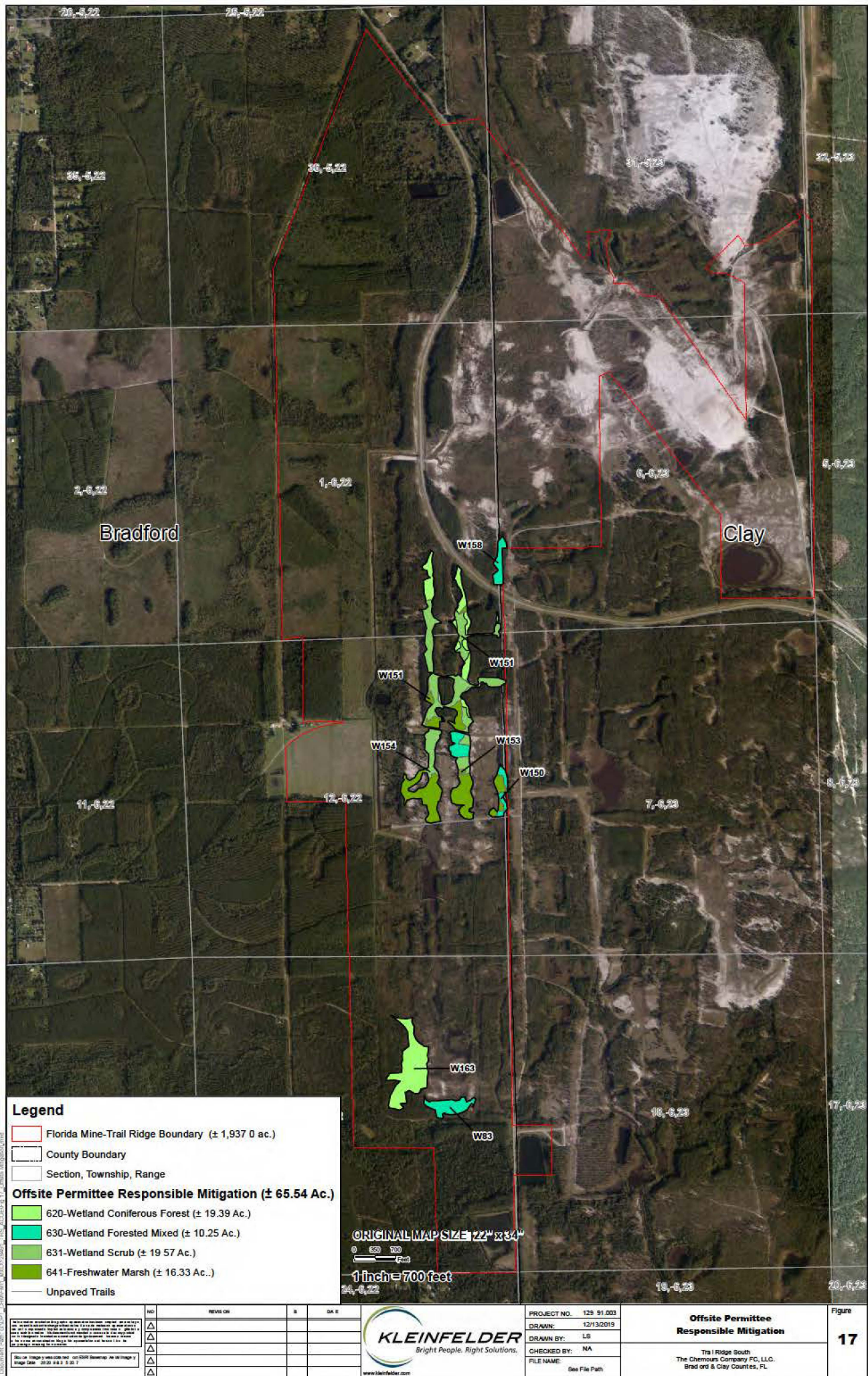
PROJECT NO. 00129 91.003A	WETLAND MITIGATION CROSS-SECTION 12	FIGURE 16P
DRAWN BY YQ		
CHECKED BY TRD	Trail Ridge South The Chemours Company FC LLC Bradford and Clay Counties, FL	PAGE 16 of 16
DATE: 11-12-2019		
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SAJ-2019-00480 Chemours TRS Offsite Mitigation

SAJ-2019-00480 Chemours TRS



Legend

Florida Mine-Trail Ridge Boundary (± 1,937.0 ac.)

County Boundary

Section, Township, Range

Offsite Permittee Responsible Mitigation (± 65.54 Ac.)

620-Wetland Coniferous Forest (± 19.39 Ac.)

630-Wetland Forested Mixed (± 10.25 Ac.)

631-Wetland Scrub (± 19.57 Ac.)

641-Freshwater Marsh (± 16.33 Ac.)

Unpaved Trails

ORIGINAL MAP SIZE 22" x 34"

0 500 1000

1 inch = 700 feet

NO.	REVISION	DATE
1		
2		
3		
4		
5		



PROJECT NO.	129 91.003
DRAWN:	12/13/2019
DRAWN BY:	LS
CHECKED BY:	NA
FILE NAME:	See File Path

Offsite Permittee Responsible Mitigation

The 1 Ridge South
The Chemours Company FC, LLC
Bradford & Clay Counties, FL

**Triangle Preserve
North Florida Land Trust**

.kmz from:
**Florida Natural Areas Inventory.
Florida Conservation Lands,
August 2019**

**Santa Fe Swamp
Conservation Area
SRWMD**

**Mike Roess Gold Head
Branch State Park
State of Florida**

**Camp Blanding
State of Florida**

**Little Rain Lake Preserve
North Florida Land Trust**

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