



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, JACKSONVILLE DISTRICT  
4400 PGA BOULEVARD, SUITE 500  
PALM BEACH GARDENS, FLORIDA 33410

August 5, 2019

CESAJ-RD  
North Permits Branch  
Panama City Permits Section

## ***PUBLIC NOTICE***

Permit Application No. SAJ-2017-01376 (MOD-MMT)

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for the modification of an existing Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) as described below:

APPLICANT: Florida Department of Transportation, District 1  
Ms. Nicole Monies  
801 N. Broadway Avenue  
Bartow, Florida 33830

WATERWAY AND LOCATION: The project would affect waters of the United States associated with L-29 Canal which outfalls into the Townsend Canal and discharges into an unnamed wetland which outfalls into Cow Slough. The project site is located along State Road (SR) 82 from west of Gator Slough Lane extending eastward to SR 29. The project limits are east of Lehigh Acres in Lee County and north of Immokalee in Collier County.

Directions to the site are as follows: From I-75 take SR 82 (exit 138). Travel east approximately 23 miles. The projects starts west of Gator Slough Lane and continues approximately 3.2 miles east of SR 29.

APPROXIMATE CENTRAL COORDINATES:

	Latitude	Longitude
Start	26.497660° N	-81.482349° W
Stop	26.485617° N	-81.434484° W

PROJECT PURPOSE:

Basic: Linear Transportation Project

Overall: The widening of existing highway, SR 82, from west of Gator Slough Lane extending eastward to SR 29, Lee and Collier Counties, Florida.

EXISTING CONDITIONS PERMIT HISTORY: This project was originally authorized on November 2, 2018. The permittee is proposing to modify the following components pertaining to the Sixteen (16) Wetlands and 23 other Surface waters that were delineated within the project limits:

#### Wetland 1

USFWS Classification: PSS1

FLUCFCS Code: 631 – Wetland Scrub

Wetland 1: Has no modification proposed.

Wetland 1-Secondary: Has no modification proposed.

#### Wetland 1A

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 1A: Has no modification proposed.

Wetland 1A-Secondary: Has no modification proposed.

#### Wetland 2

USFWS Classification: PSS1

FLUCFCS Code: 631 – Wetland Scrub

Wetland 2: Has no modification proposed.

Wetland 2-Secondary: Has no modification proposed.

#### Wetland 2A

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 2A: Has no modification proposed.

Wetland 2A-Secondary- Proposed modification increase from 0.01 acres to 0.02 acres of impact. (0.01 + 0.01 = 0.02)

#### Wetland 3

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 3: Has no modification proposed.

Wetland 3-Secondary: Has no modification proposed.

#### Wetland 3A

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 3A: Has no modification proposed.

Wetland 3A-Secondary: Has no modification proposed.

#### Wetland 3B

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 3B: Proposed modification increase from 0.88 acres to 1.03 acres of wetland impact. ( $0.88 + 0.15 = 1.03$ )

Wetland 3B-Secondary: Has no modification proposed.

#### Wetland 4

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 4: Has no modification proposed

Wetland 4-Secondary: Has no modification proposed.

#### Wetland 4A

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 4A: Has no modification proposed.

Wetland 4A-Secondary: Has no modification proposed.

#### Wetland 21

USFWS Classification: PEM1

FLUCFCS Code: 642 – Wet Prairie

Wetland 21: Has no modification proposed.

Wetland 21-Secondary: Has no modification proposed.

#### Wetland 22

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 22: Proposed modification increase from 1.33 acres to 1.38 acres of wetland impact. ( $1.33 + .05 = 1.38$ )

Wetland 22-Secondary: Has no modification proposed.

#### Wetland 23

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 23: Has no modification proposed.

Wetland 23:-Secondary: Has no modification proposed.

#### Wetland 24

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 24: Has no modification proposed.

Wetland 24-Secondary: Has no modification proposed.

Wetland 25

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 25: Has no modification proposed.

Wetland 25-Secondary: Has no modification proposed.

Wetland 26

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 26: has no modification proposed.

Wetland 26-Secondary: Has no modification proposed.

Wetland 28

USFWS Classification: PEM1

FLUCFCS Code: 641 – Freshwater Marsh

Wetland 28: Has no modification proposed.

Wetland 28-Secondary: Has no modification proposed.

Surface Water Characteristics

USFWS Classification: PEM1x

FLUCFCS Code: 510 – Streams and waterways NRCS

Surface Water Characteristics (hydric) - Has no modification proposed.

Surface Water Characteristics (non-hydric): Proposed modification increase from 2.00 acres to 4.76 acres of (non-hydric) surface water impacts. Modification proposes 2.76 additional impacts. ( $2.0 + 2.76 = 4.76$ )

PROPOSED WORK: The applicant seeks modification of the existing permit to authorize additional impacts to 6.15 acres of wetlands, an increase of .2 acres from the original project. ( $5.95 + 0.2 = 6.15$ ) In addition the modifications propose 7.64 acre of surface waters, an increase 2.76 acres of total surface water impacts to be considered within this modification. ( $4.88 + 2.76 = 7.64$ ) The modification also propose 2.88 acres of secondary impacts, which is an increase of .02 acres from the original project. Are proposed. ( $2.86 + 0.02 = 2.88$ )

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 project will utilize turbidity curtains, silt fences, sand bags, synthetic bales or some combination of these items will be used to maintain State Water Quality standards.

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

environment. Unavoidable wetland and surface water impacts associated with this segment of SR 82 would result in a functional loss of 4.32 WRAP units for the Corps. This is an increase of .63 units from the original project which proposed 3.69 WRAP units. The project would include wetland and surface water impacts compensatory mitigation via credits from a private mitigation bank. Specifically, mitigation credits have been purchased from Panther Island Mitigation Bank which currently offers freshwater, forested and marsh credits. Panther Island Mitigation Bank is located in the West Collier drainage basin while impacts are occurring in the West Collier drainage basin.

**CULTURAL RESOURCES:** The project was reviewed by the Federal Highway Administration and the State Historic Preservation Officer during the Project Development and Environment Study (PD&E) phase. The findings during PD&E Study phase were that the project would have no adverse effects on historic properties.

**ENDANGERED SPECIES:** Based upon review of the Wood Stork Key for South Florida dated May 2010, the proposed project resulted in the following sequential determination:  $A > B > C > E$  = not likely to adversely affect the wood stork. The project impacts are at a distance greater than 0.47 acre from an active colony site, impacts to SFH are greater than 0.5 acre, impacts to SFH within the Core Foraging Area (CFA) of a colony site, and the applicant proposes compensatory mitigation for the loss of SFH.

Based upon review of the North and South Florida Eastern Indigo Snake Key dated 1 August 2017, the proposed project resulted in the following sequential determination:  $A > B > C > D > E$  = "Not likely to adversely affect" the Eastern indigo snake. This determination is based on portions of the project being located in uplands, the applicant adhering to the "Standard Protection Measures for the Eastern Indigo Snake" and any permit would be conditioned such that all gopher tortoise burrows, active or inactive, would be excavated prior to site manipulation in the vicinity of the burrow.

The project occurs within the consultation area of the Florida bonneted bat, re-cockaded woodpecker, Florida grasshopper sparrow, Florida scrub jay, American alligator and the Everglades snail kite. Surveys conducted failed to detect these species within or near the project corridor. The Corps has determined the proposed work will have no effect on these species.

The Corps has determined the proposed project may affect the Florida panther and Audubon's crested caracara. The Corps will initiate formal consultation with the FWS pursuant to Section 7 of ESA, for the proposed project, by separate letter.

**ESSENTIAL FISH HABITAT (EFH):** Based on the projects location and distance from tidal waters of the United States and absence of EFH within the impact area, the Corps has determined the proposed work will have no effect to EFH.

**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. The jurisdictional line has been verified by Corps personnel.

**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 Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410 or to the email address of the Project Manager noted below, within 15 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, Mr. Mark M. Tamblyn, in writing at the Palm Beach Gardens Permits Section, 4400 PGA Boulevard, Suite 500, Palm Beach Gardens, Florida 33410, by electronic mail at [Mark.m.Tamblyn@usace.army.mil](mailto:Mark.m.Tamblyn@usace.army.mil) by facsimile transmission at (561) 626-6970, or by telephone at (561) 472-3519.

**IMPACT ON NATURAL RESOURCES:** Preliminary review of this application indicates that an Environmental Impact Statement will not be required. 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. By means of this notice, we are soliciting comments on the potential effects of the project on threatened or endangered species or their habitat.

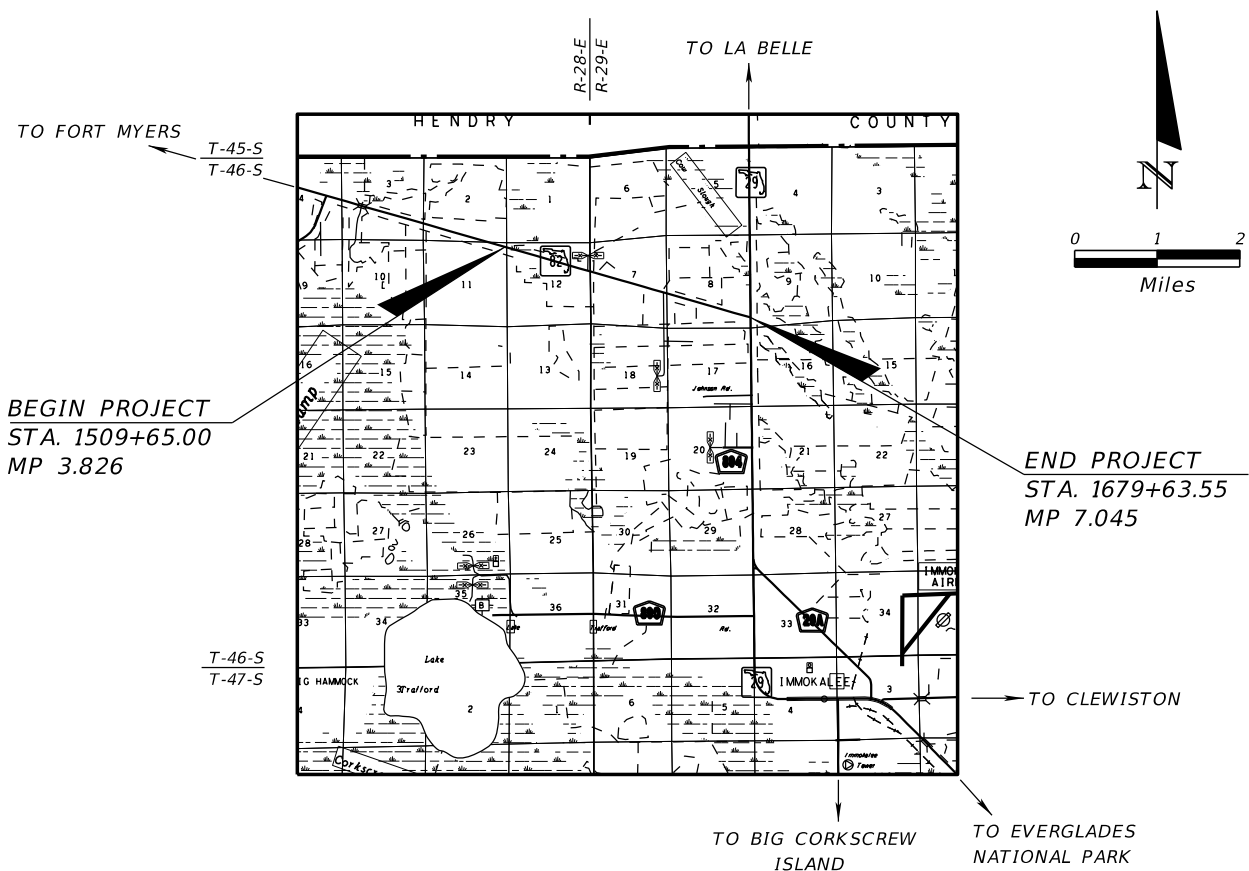
**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable proposed additional impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors that 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.



## PROJECT LOCATION MAP

FINANCIAL PROJECT ID 430849-1-52-01  
COLLIER COUNTY (03050)

STATE ROAD NO. 82  
FROM: GATOR SLOUGH LANE (MP 3.826)  
TO: SR 29 (MP 7.045)

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING AND RECONSTRUCTION

DRAWN

BY

LRE

CHECKED

BJS

F.P.I.D. 430849-1-52-01

SHEET 1 OF 48



## GENERAL NOTES

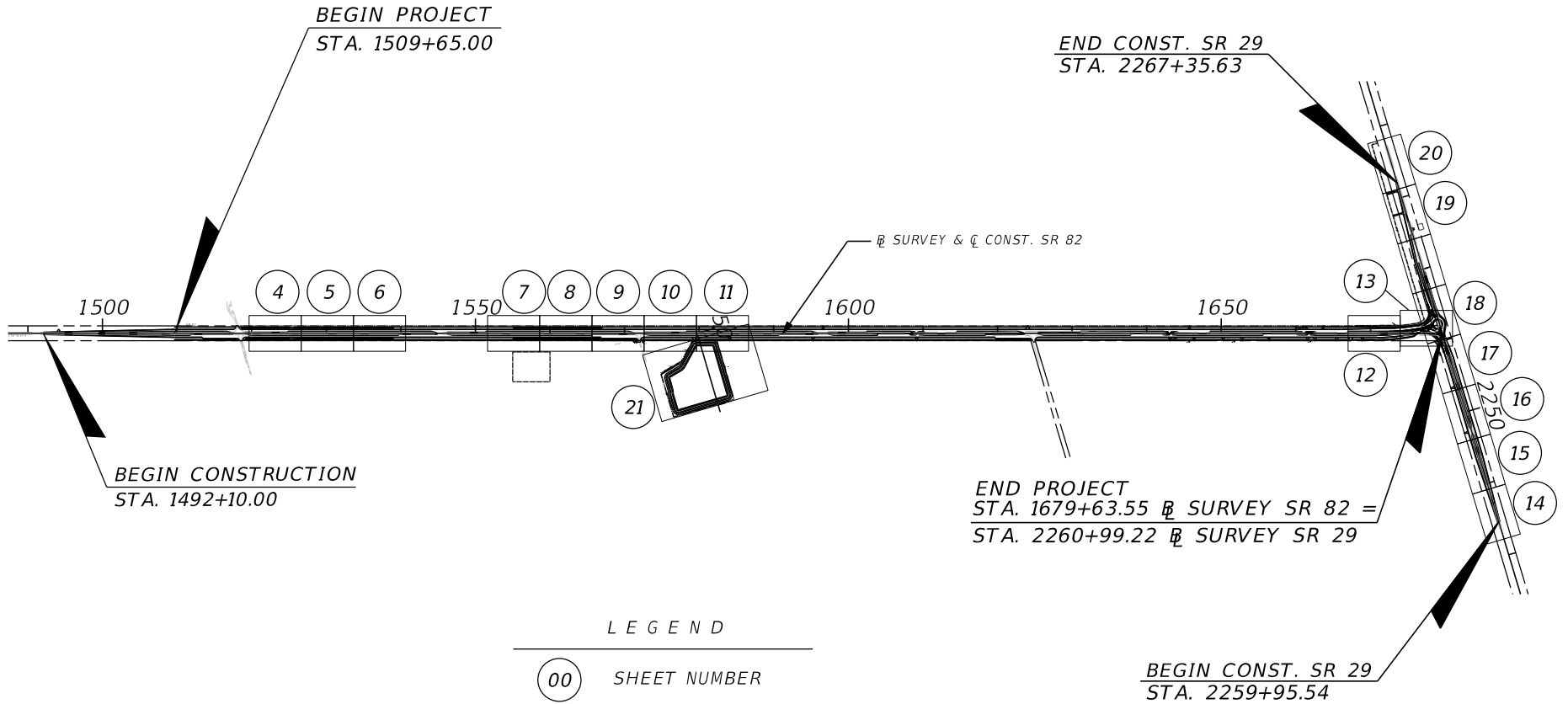
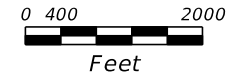
1. The Florida Department of Transportation proposes to widen and reconstruct SR 82 from Gator Slough Lane to SR 29 in Collier County. SR 29 will also be widened in the vicinity of the intersection with SR 82. The improvements will result in minor surface water impacts.
2. Strict adherence to Section 104 of the Florida Department of Transportation Standard Specifications for Road and Bridge Construction used in conjunction with this application provide reasonable assurance that water quality will not be violated.
3. Types of equipment involved in the construction will include: grade all, dump trucks, and front end loader. The equipment will be trucked or self propelled to the site.
4. Turbidity curtains, silt fences, sand bags, synthetic bales or some combination of these items will be used as directed by the project engineer to maintain State Water Quality Standards.
5. Any unsuitable material excavated during the installation of the fill material will be disposed of and contained in upland sites provided by the contractor.
6. Traffic will be maintained on SR 82 and SR 29 during construction.
7. Fill material shall be comprised of clean, suitable borrow material.
8. During the construction of the drainage improvements, the contractor, as directed by the Project Engineer, shall be required to maintain water flow and accommodate rainfall events.
9. All elevations shown in this permit application are referenced to the National Geodetic Vertical Datum (NGVD) of 1929.
10. Jurisdictional impacts proposed by this project:

	Area	Fill	Cut
Wetland Impacts (Direct)	6.150 Acres	21502 CY	8 CY
Wetland Impacts (Secondary)	2.880 Acres	0 CY	0 CY
Surface Water Impacts (Permanent)	7.640 Acres	54728 CY	33472 CY
Total Jurisdictional Impacts	16.670 Acres	49102 CY	32944 CY

### STATEMENT OF CERTIFICATION FOR DNR SUBMERGED LANDS

Pursuant to Section 339.135, F.S., the Florida Department of Community Affairs has determined that this project is not Inconsistent with the local comprehensive plan for the affected area.

<b>FLORIDA DEPARTMENT OF TRANSPORTATION</b>							
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"> <b>BRENT SETCHELL, P.E.</b> </div> <div style="display: flex; justify-content: space-between;"> <div> <b>P.E. NUMBER 63134</b>  <small>FL. DEPT. OF TRANSPORTATION 801 N. BROADWAY AVE. BARTOW, FL 33831</small> </div> <div style="text-align: right;">DATE</div> </div>	<div style="text-align: center; margin-bottom: 5px;"> <b>STATE ROAD NO. 82</b> </div> <div style="text-align: center; margin-bottom: 5px;"> <b>COLLIER COUNTY</b> </div> <div style="text-align: center; margin-bottom: 5px;"> <b>WIDENING AND RECONSTRUCTION</b> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">DRAWN</td> <td style="width: 50%; text-align: center;">BY LRE</td> </tr> <tr> <td style="text-align: center;">CHECKED</td> <td style="text-align: center;">BJS</td> </tr> </table> </div> <div style="width: 60%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; text-align: center; padding: 5px;"> <b>F.P.I.D. 430849-1-52-01</b> </td> <td style="width: 40%; text-align: center; padding: 5px;"> <b>SHEET 2 OF 48</b> </td> </tr> </table> </div> </div>	DRAWN	BY LRE	CHECKED	BJS	<b>F.P.I.D. 430849-1-52-01</b>	<b>SHEET 2 OF 48</b>
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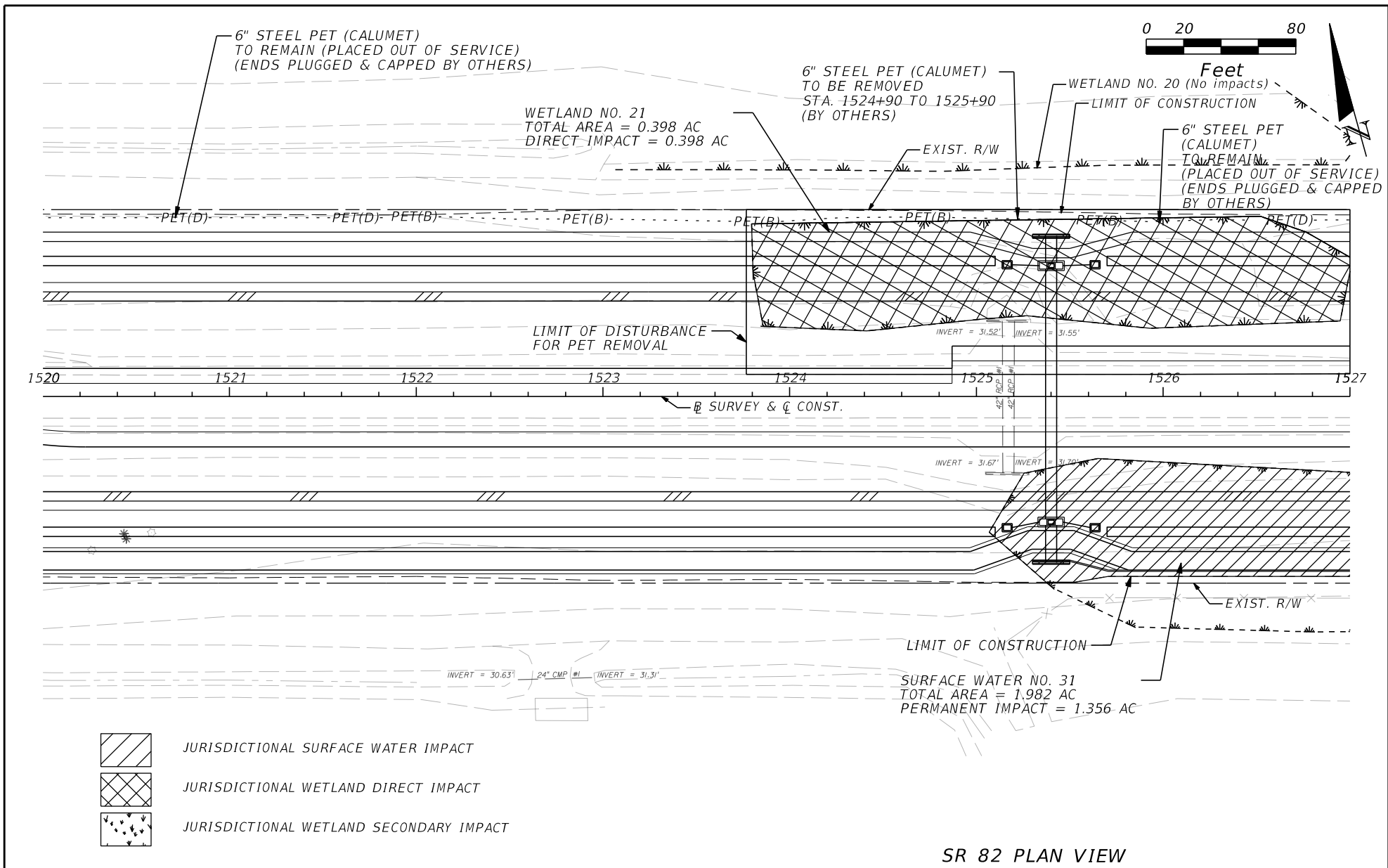


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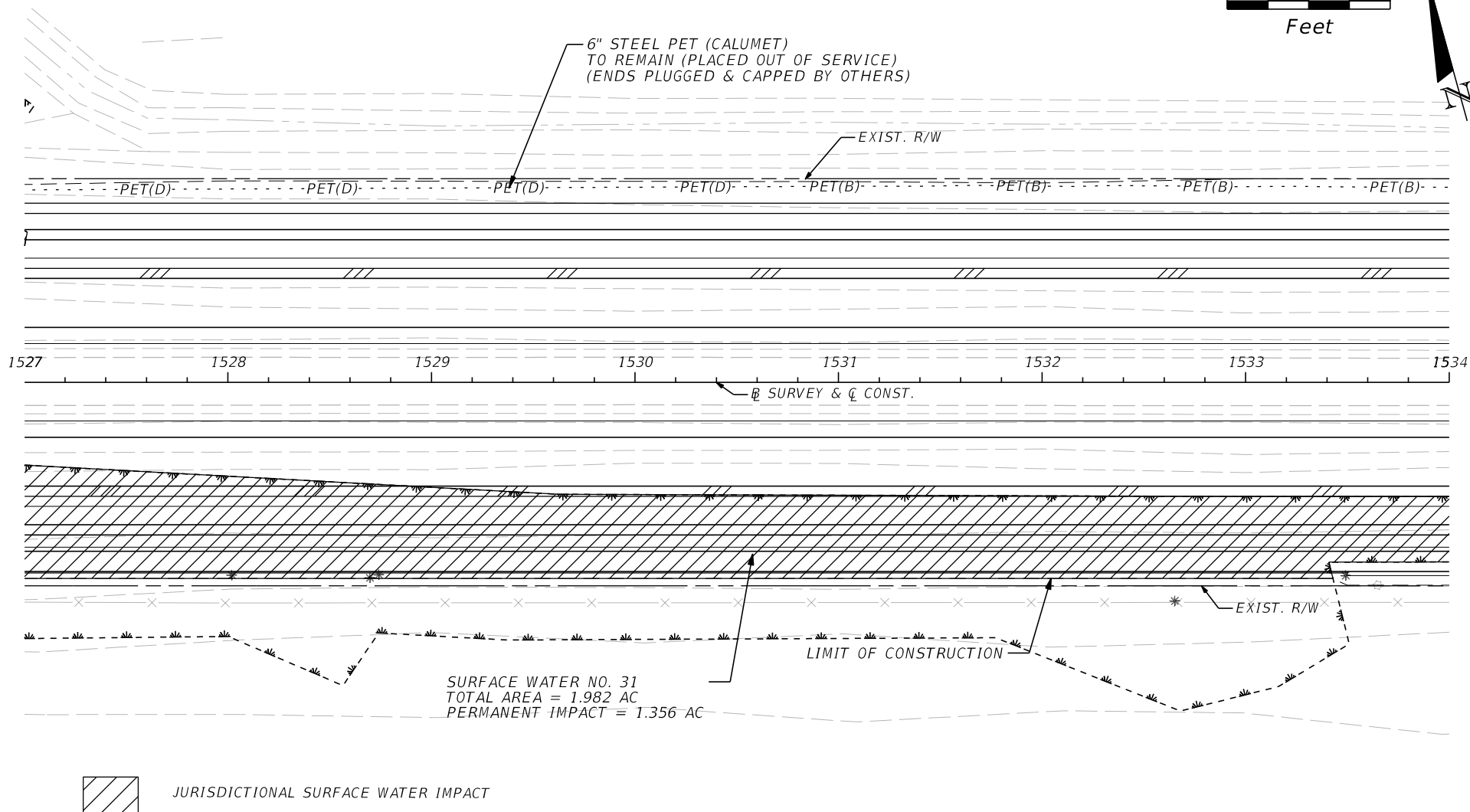
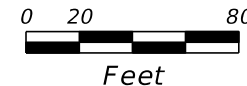
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PROJECT LAYOUT

		<div><div><div>BRENT SETCHELL, P.E.</div><div>DATE</div></div><div><div>P.E. NUMBER 63134</div><div>FL. DEPT. OF TRANSPORTATION 801 N. BROADWAY AVE. BARTOW, FL 33831</div></div></div>	FLORIDA DEPARTMENT OF TRANSPORTATION			
			STATE ROAD NO. 82		COLLIER COUNTY	
				BY	WIDENING & RECONSTRUCTION	
			DRAWN	RDR		
			CHECKED	BJS	F.P.I.D. 430849-1-52-01	SHEET 3 OF 48

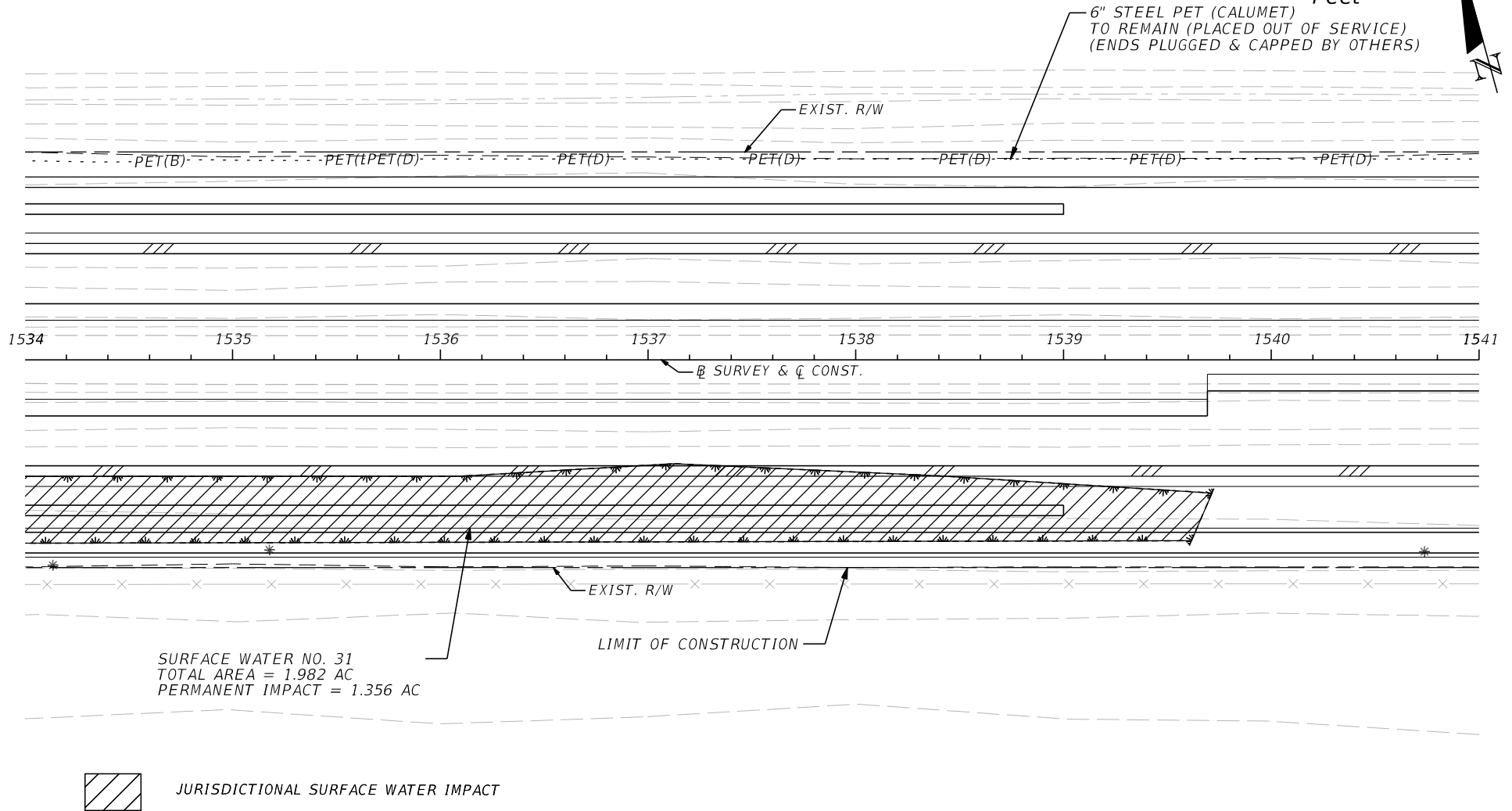
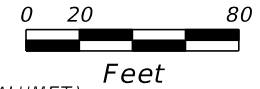


				FLORIDA DEPARTMENT OF TRANSPORTATION	
		BRENT SETCHELL, P.E.		STATE ROAD NO. 82	
		P.E. NUMBER 63134		COLLIER COUNTY	
		FL. DEPT. OF TRANSPORTATION 801 N. BROADWAY AVE. BARTOW, FL 33831		WIDENING & RECONSTRUCTION	
				F.P.I.D. 430849-1-52-01	
				SHEET 4 OF 48	



SR 82 PLAN VIEW

		<p>FLORIDA DEPARTMENT OF TRANSPORTATION</p>	
		<p>STATE ROAD NO. 82</p>	<p>COLLIER COUNTY</p>
		<p>BY</p>	<p>WIDENING &amp; RECONSTRUCTION</p>
		<p>DRAWN RDR</p>	<p>F.P.I.D. 430849-1-52-01</p>
		<p>CHECKED BJS</p>	<p>SHEET 5 OF 48</p>
	<p>BRENT SETCHELL, P.E.</p> <p>P.E. NUMBER 63134</p> <p>FL. DEPT. OF TRANSPORTATION 801 N. BROADWAY AVE. BARTOW, FL 33831</p>	<p>DATE</p>	



SR 82 PLAN VIEW

		<div><div><div><div></div><div>BRENT SETCHELL, P.E.</div><div></div></div><div><div></div><div>P.E. NUMBER 63134</div><div>FL. DEPT. OF TRANSPORTATION 801 N. BROADWAY AVE. BARTOW, FL 33831</div></div></div><div>DATE</div></div>	FLORIDA DEPARTMENT OF TRANSPORTATION			
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			DRAWN	RDR	F.P.I.D. 430849-1-52-01	
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		SHEET 6 OF 48				



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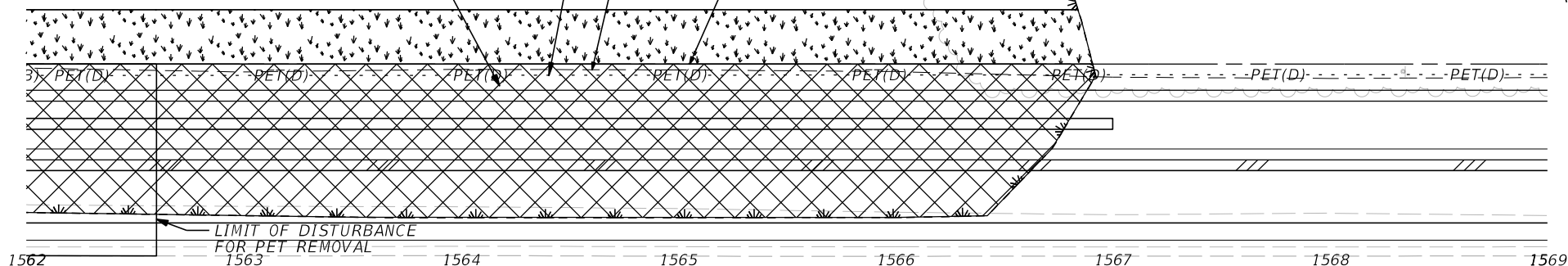


WETLAND NO. 22  
TOTAL AREA = 1.914 AC  
DIRECT IMPACT = 1.380 AC  
SECONDARY IMPACT = 0.534 AC

6" STEEL PET (CALUMET)  
TO REMAIN (PLACED OUT OF SERVICE)  
(ENDS PLUGGED & CAPPED BY OTHERS)

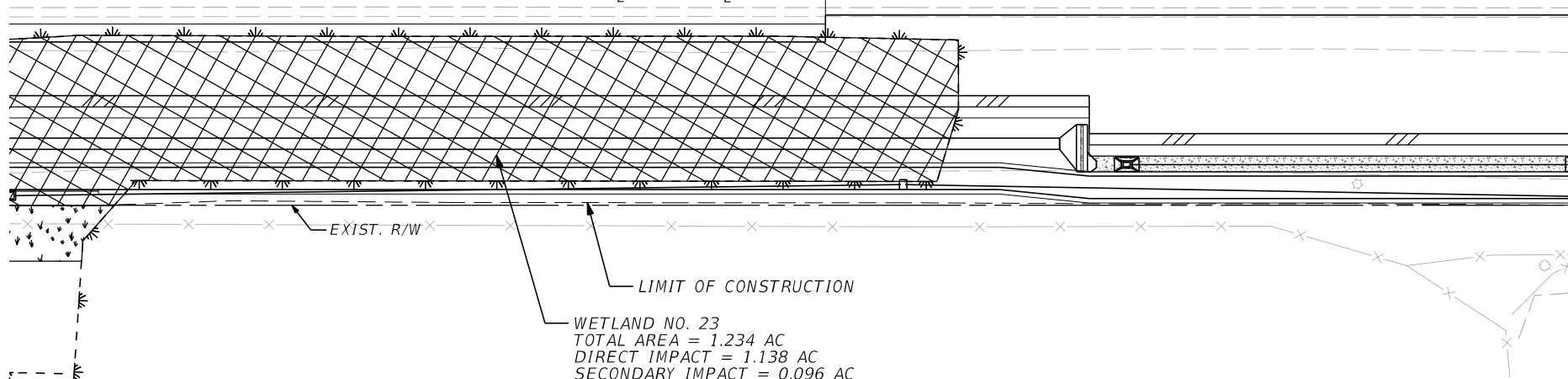
LIMIT OF CONSTRUCTION

EXIST. R/W



LIMIT OF DISTURBANCE  
FOR PET REMOVAL

SURVEY &amp; C. CONST.



WETLAND NO. 23  
TOTAL AREA = 1.234 AC  
DIRECT IMPACT = 1.138 AC  
SECONDARY IMPACT = 0.096 AC



JURISDICTIONAL WETLAND DIRECT IMPACT



JURISDICTIONAL WETLAND SECONDARY IMPACT

SR 82 PLAN VIEW

FLORIDA DEPARTMENT OF TRANSPORTATION

BRENT SETCHELL, P.E.

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P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING &amp; RECONSTRUCTION

DRAWN

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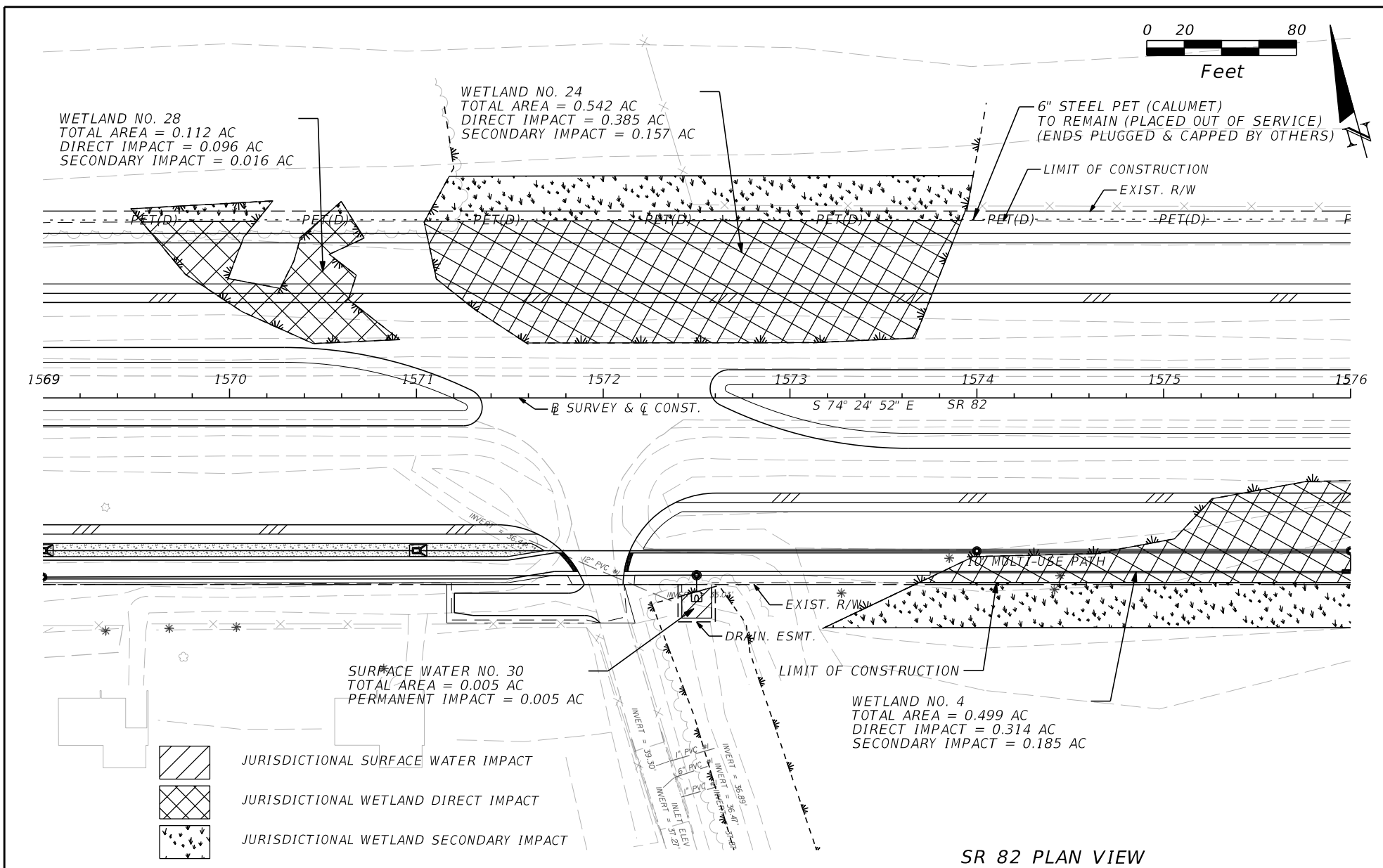
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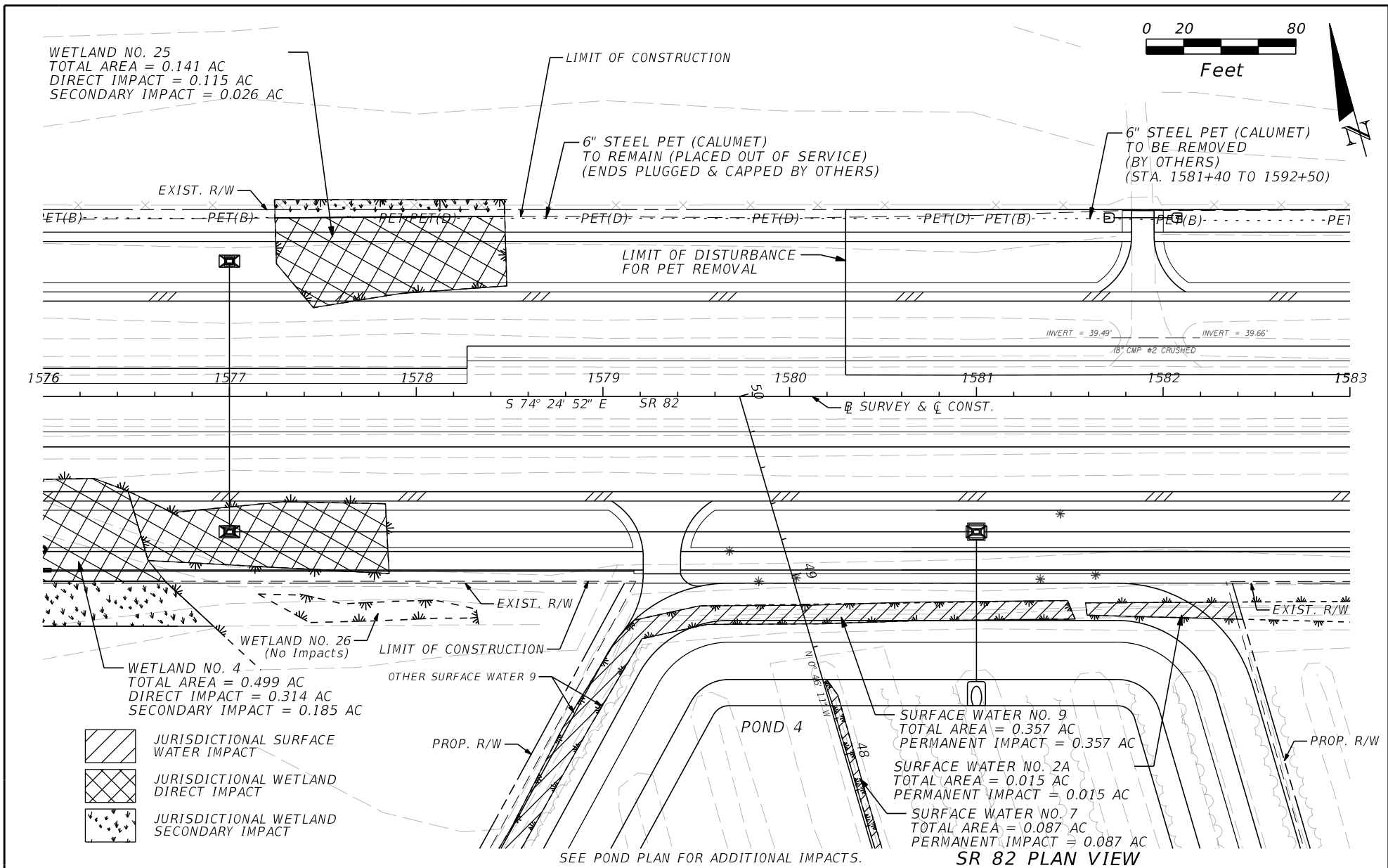
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SHEET 8 OF 48

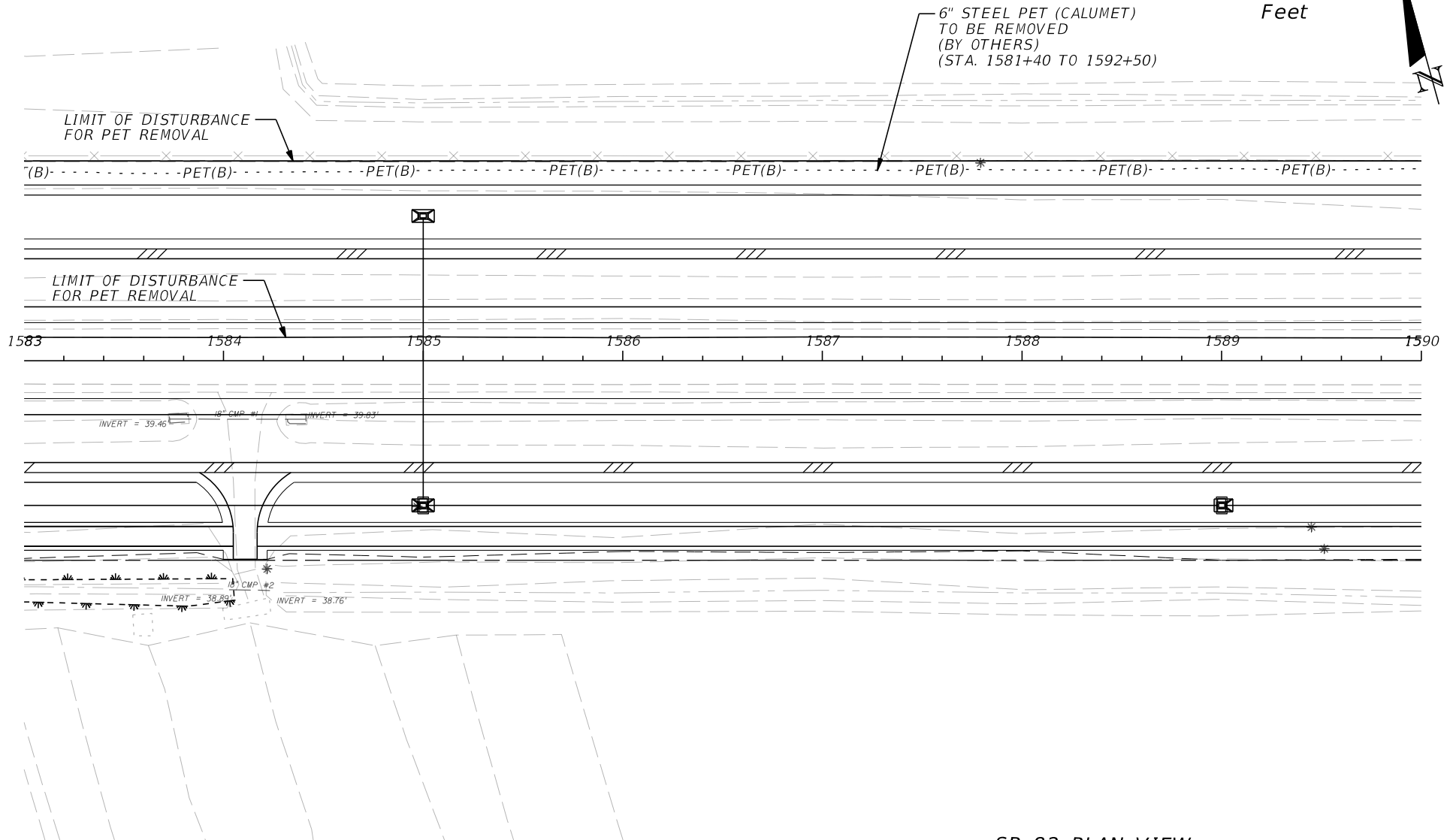
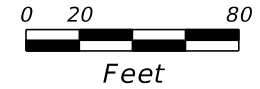


		FLORIDA DEPARTMENT OF TRANSPORTATION	
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FL. DEPT. OF TRANSPORTATION		WIDENING & RECONSTRUCTION	
801 N. BROADWAY AVE.		F.P.I.D. 430849-1-52-01	
BARTOW, FL 33831		SHEET 9 OF 48	





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		F.P.I.D. 430849-1-52-01	
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SR 82 PLAN VIEW

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 11 OF 48

BRENT SETCHELL, P.E.

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

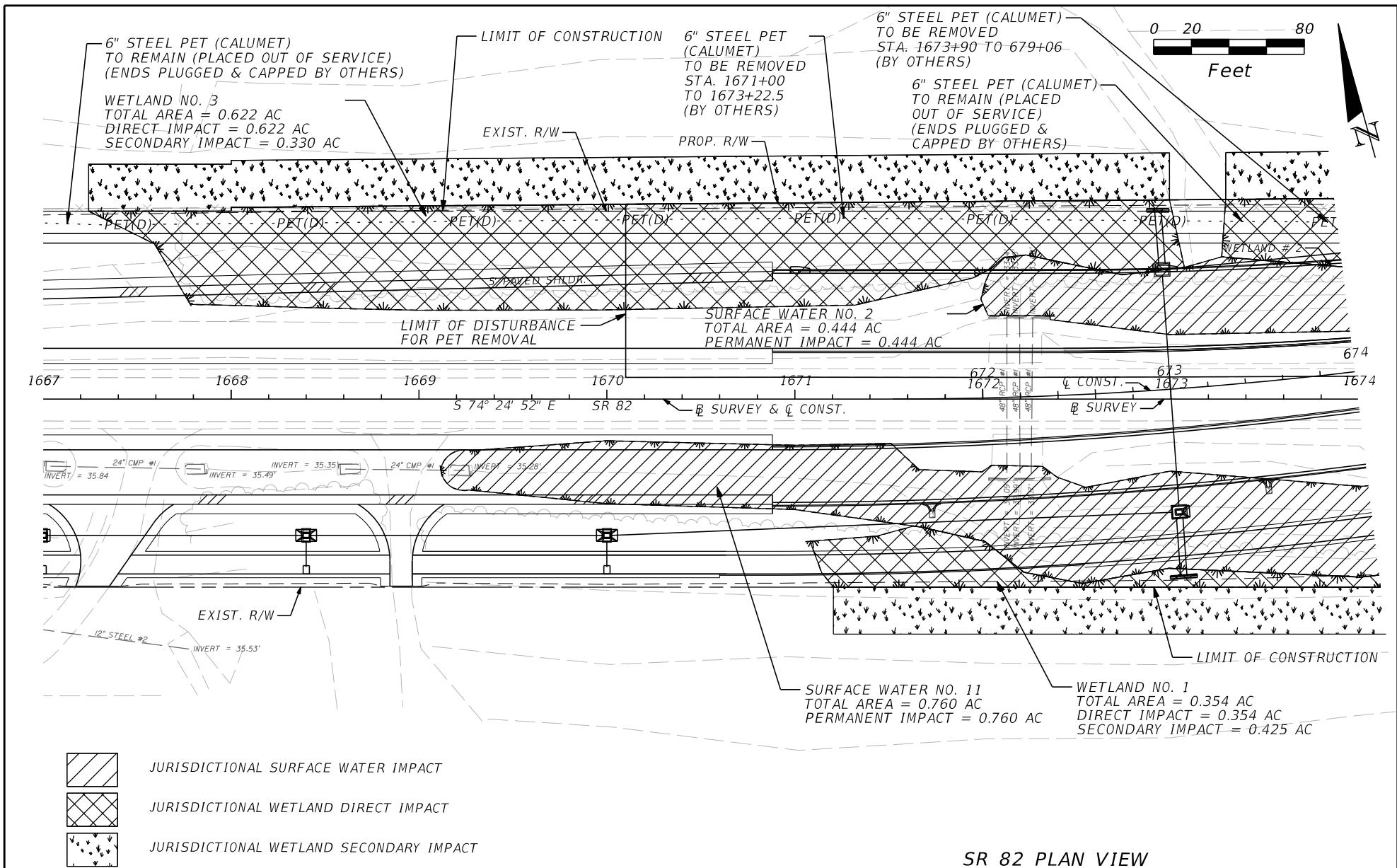
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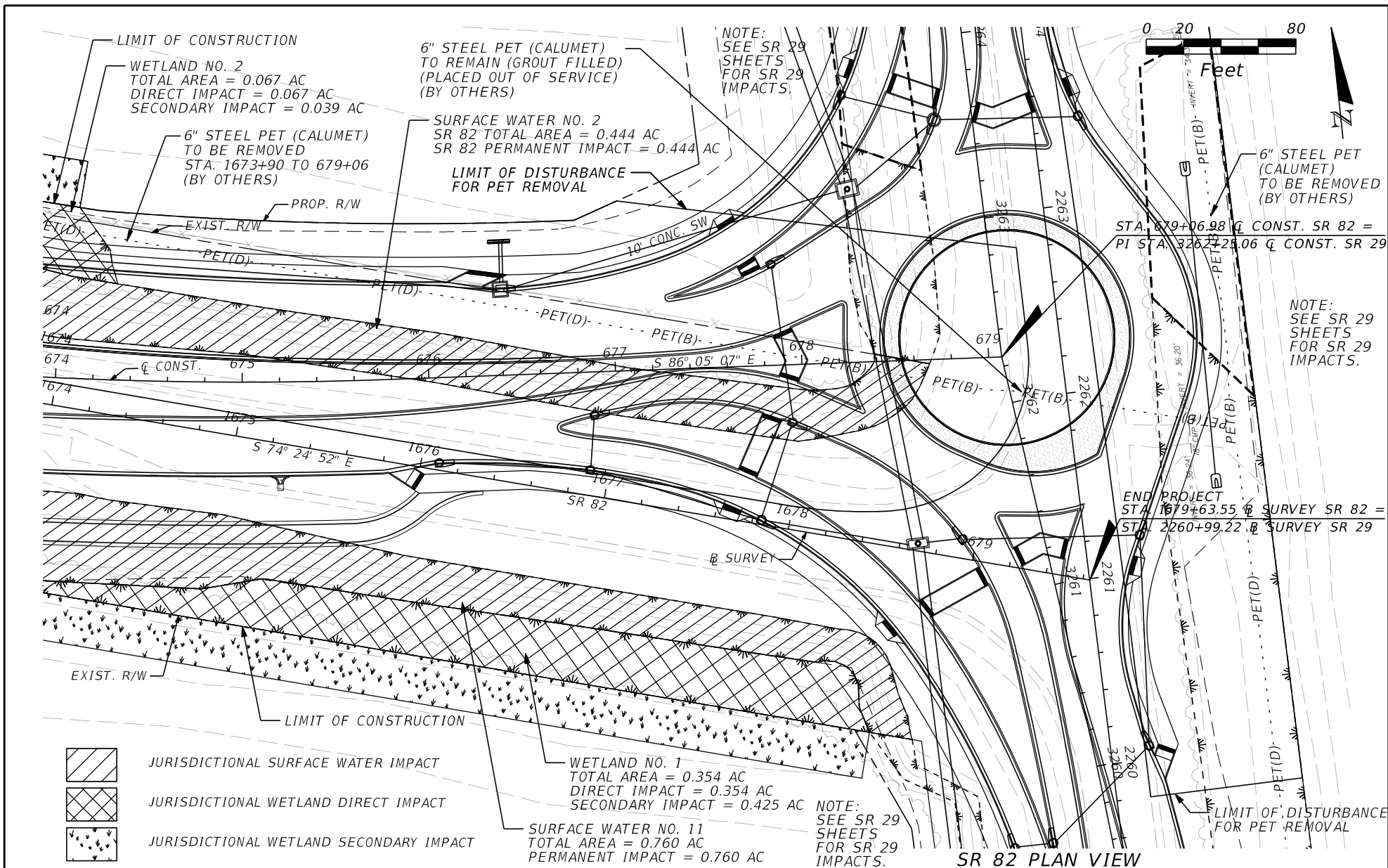
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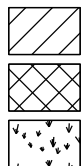
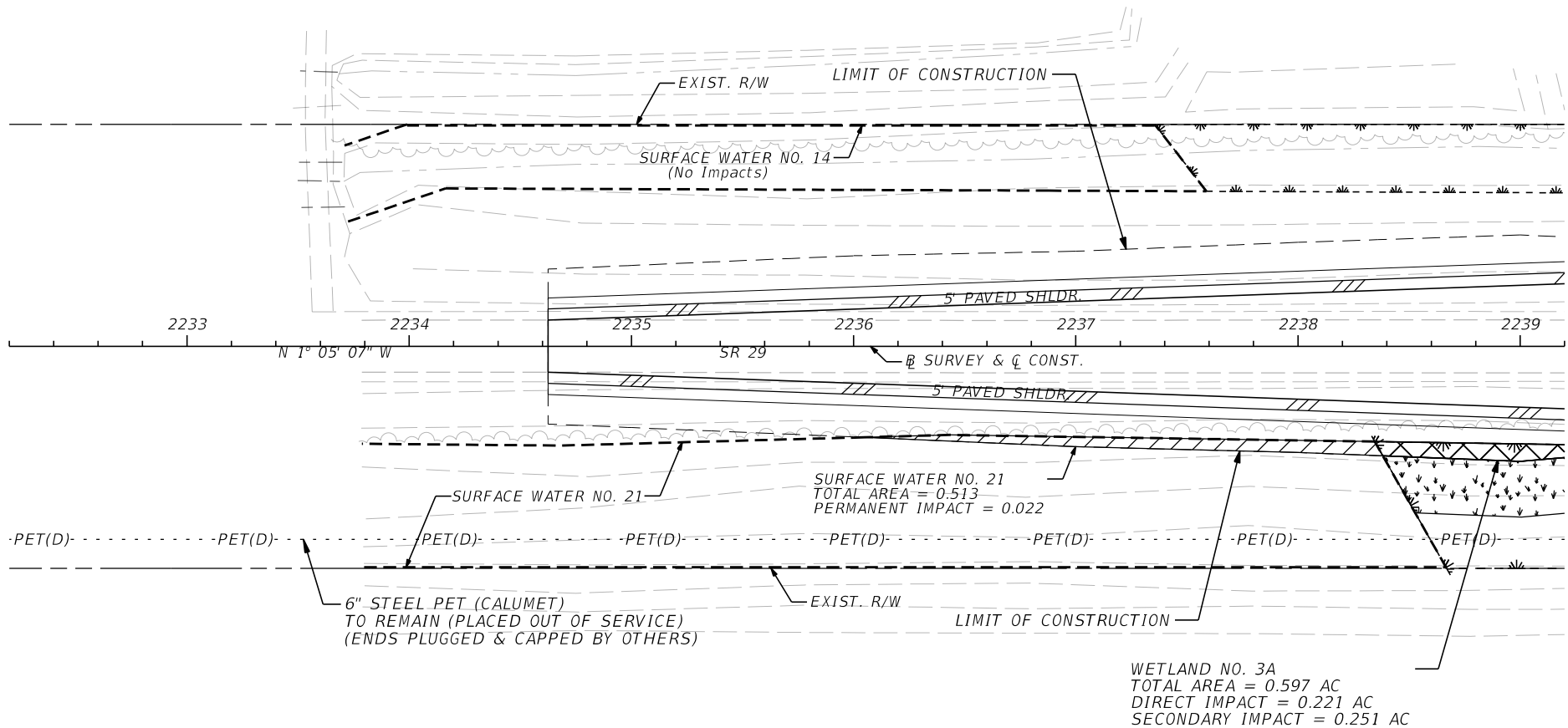
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		801 N. BROADWAY AVE.				WIDENING & RECONSTRUCTION	
		BARTOW, FL 33831				F.P.I.D. 430849-1-52-01	
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		FLORIDA DEPARTMENT OF TRANSPORTATION	
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P.E. NUMBER 63134		COLLIER COUNTY	
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0 20 80  
Feet



JURISDICTIONAL SURFACE WATER IMPACT

JURISDICTIONAL WETLAND DIRECT IMPACT

JURISDICTIONAL WETLAND SECONDARY IMPACT

### SR 29 PLAN VIEW

FLORIDA DEPARTMENT OF TRANSPORTATION

BRENT SETCHELL, P.E. DATE

STATE ROAD NO. 82

COLLIER COUNTY

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

BY

WIDENING & RECONSTRUCTION

DRAWN

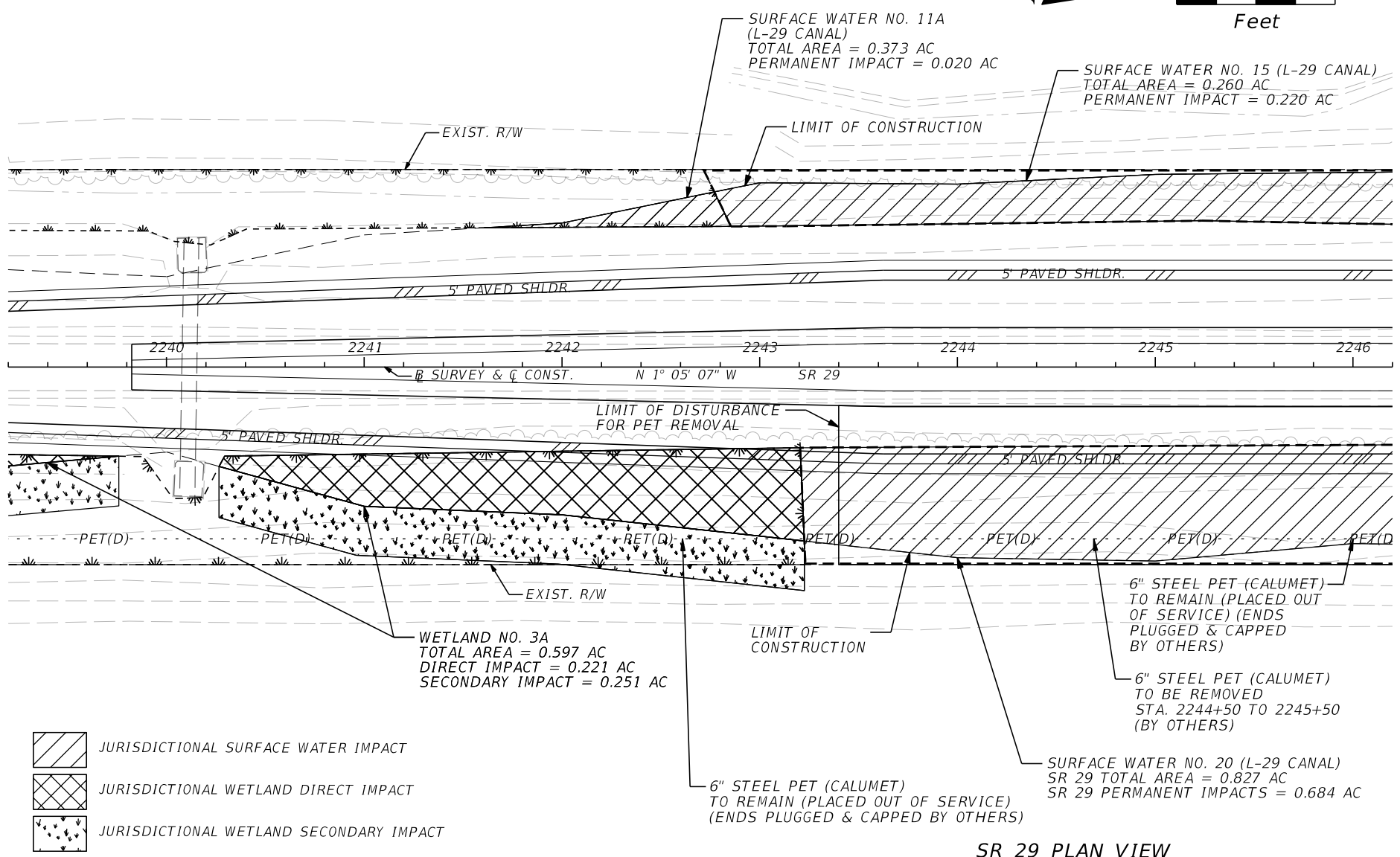
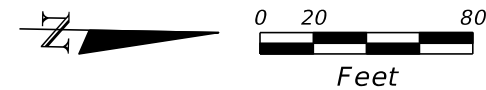
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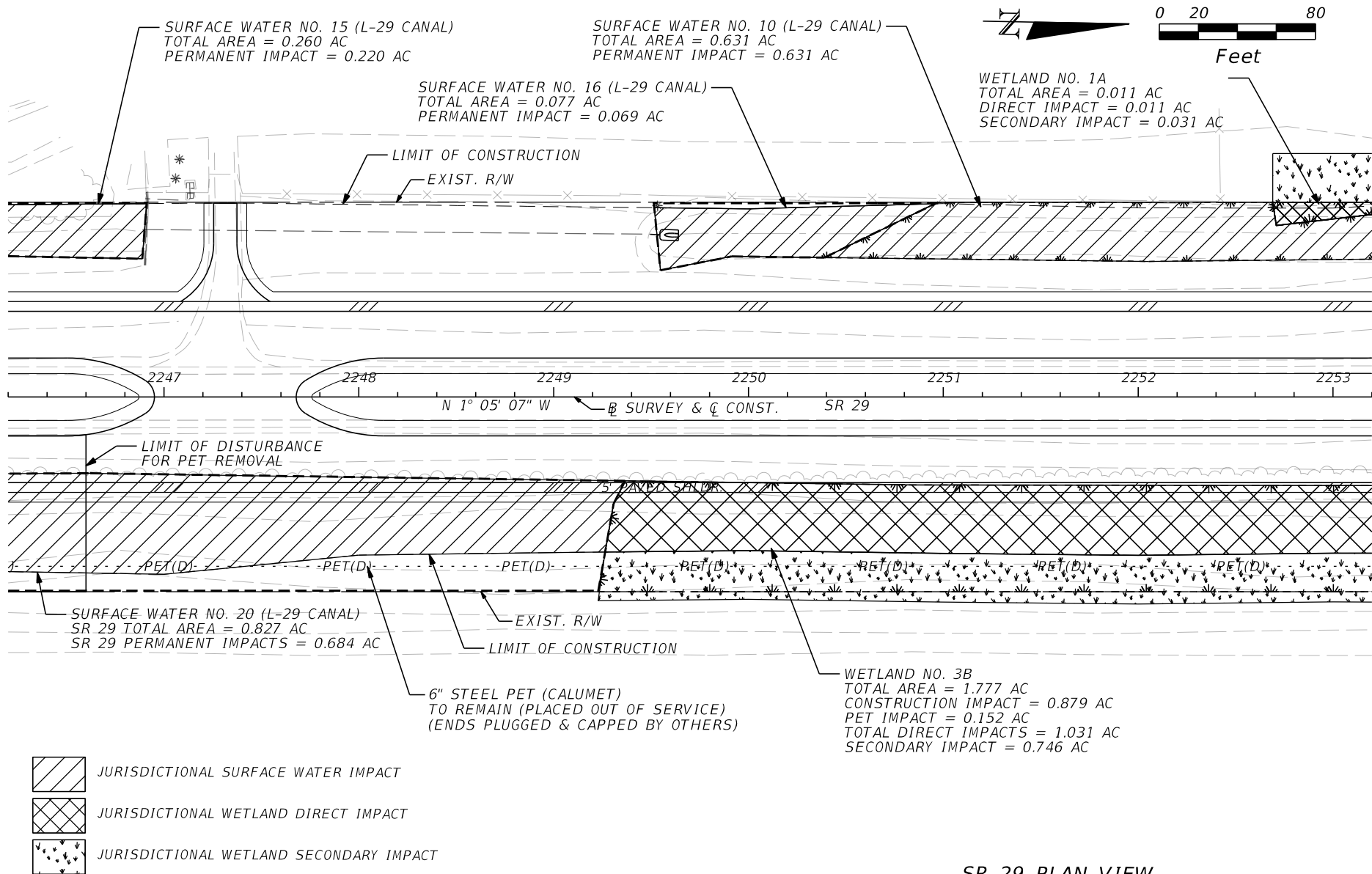
F.P.I.D. 430849-1-52-01

SHEET 14 OF 48

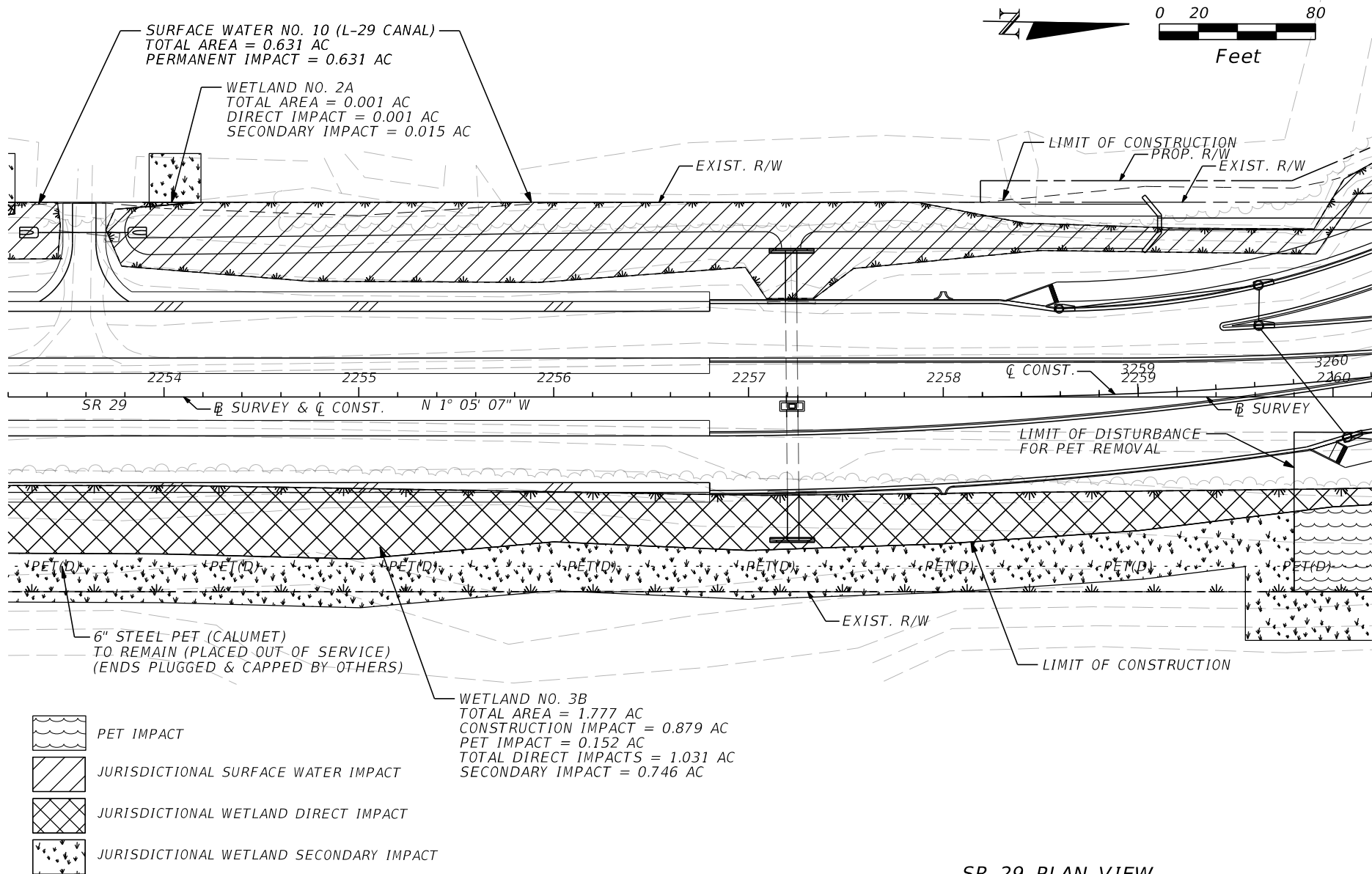


SR 29 PLAN VIEW

BRENT SETCHELL, P.E. <span style="float: right;">DATE</span>  P.E. NUMBER 63134 FL. DEPT. OF TRANSPORTATION 801 N. BROADWAY AVE. BARTOW, FL 33831			FLORIDA DEPARTMENT OF TRANSPORTATION  STATE ROAD NO. 82 <span style="float: right;">COLLIER COUNTY</span>  WIDENING & RECONSTRUCTION		
			BY	F.P.I.D. 430849-1-52-01	
			DRAWN	LRE	SHEET 15 OF 48
			CHECKED	BJS	



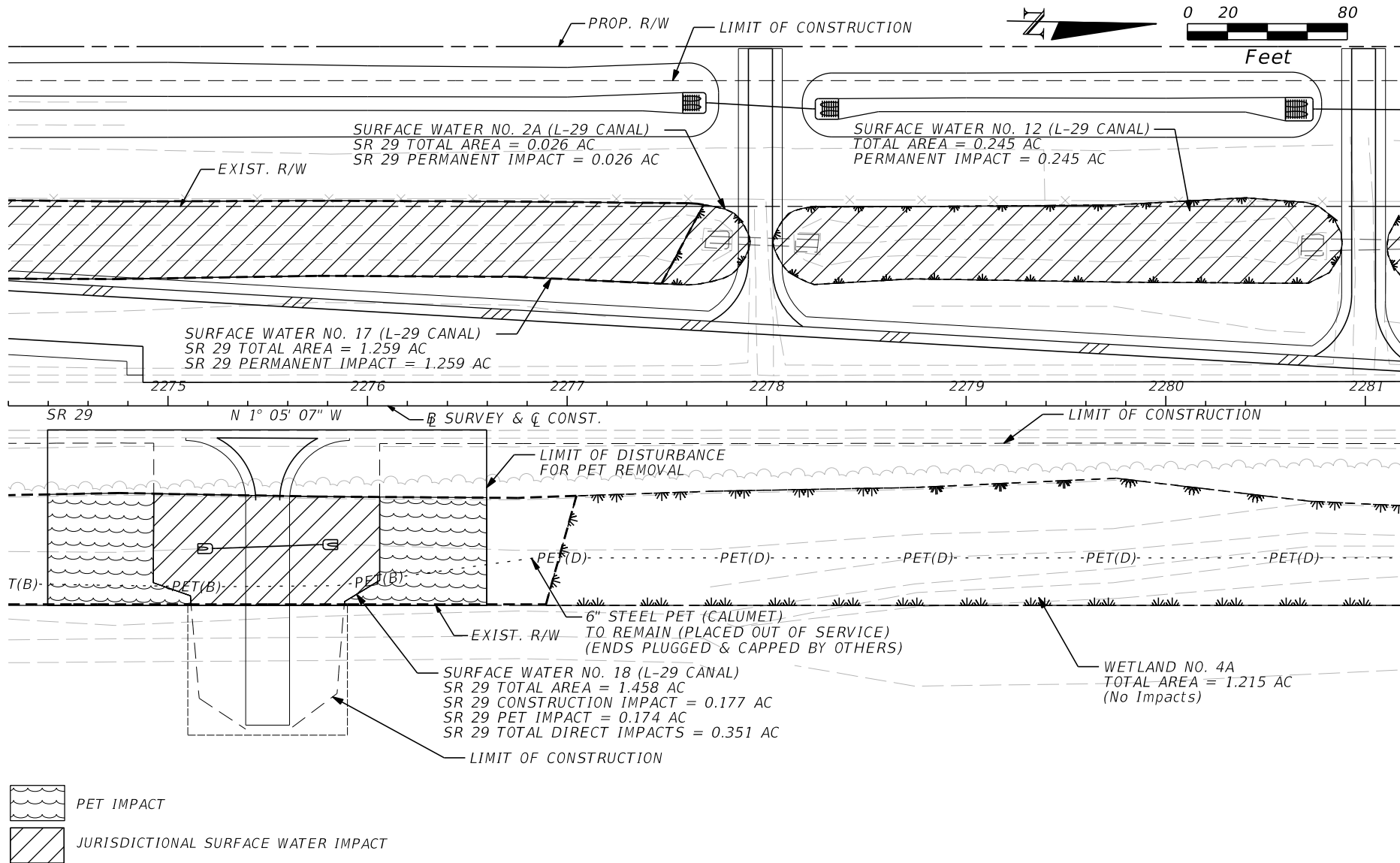
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			STATE ROAD NO. 82		COLLIER COUNTY	
				BY	WIDENING & RECONSTRUCTION	
			DRAWN	LRE	F.P.I.D. 430849-1-52-01	
			CHECKED	BJS		
		SHEET 16 OF 48				



			FLORIDA DEPARTMENT OF TRANSPORTATION			
		<div>BRENT SETCHELL, P.E.<div>DATE</div></div>	STATE ROAD NO. 82		COLLIER COUNTY	
		<div>P.E. NUMBER 63134</div> <div>FL. DEPT. OF TRANSPORTATION</div> <div>801 N. BROADWAY AVE.</div> <div>BARTOW, FL 33831</div>		BY	WIDENING & RECONSTRUCTION	
			DRAWN	LRE		
			CHECKED	BJS	F.P.I.D. 430849-1-52-01	SHEET 17 OF 48







SR 29 PLAN VIEW

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 19 OF 48

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

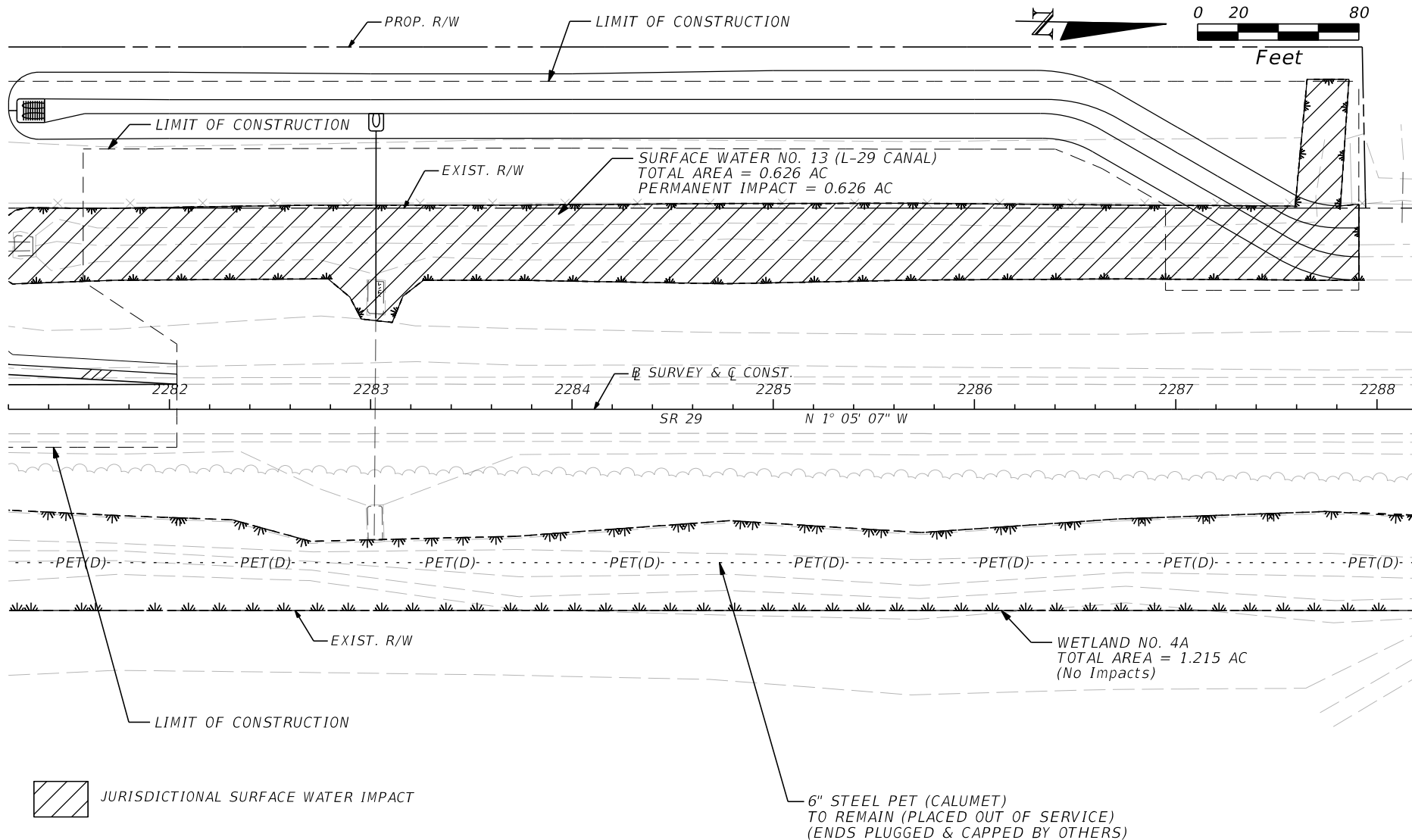
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LRE

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BJS



SR 29 PLAN VIEW

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

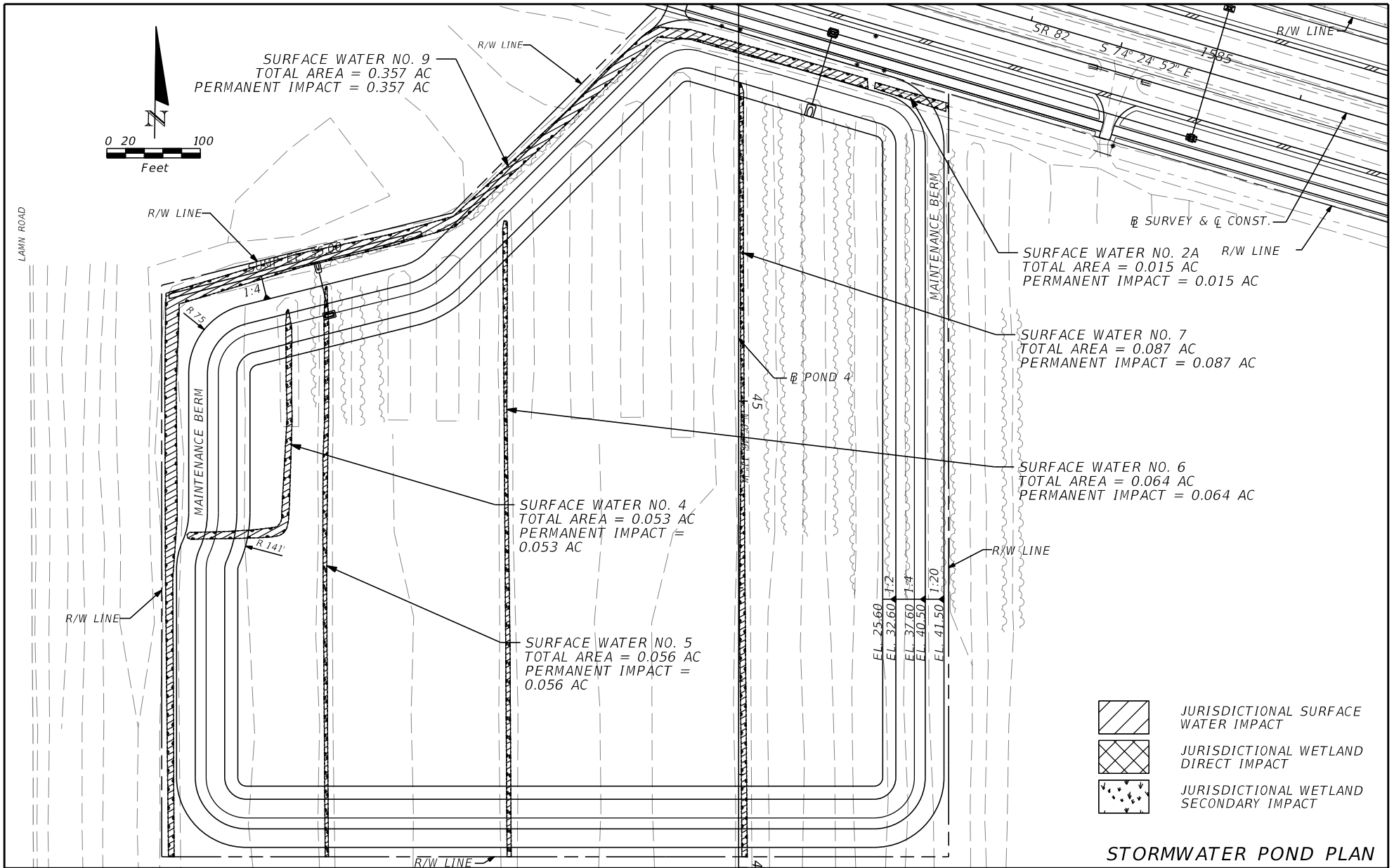
STATE ROAD NO. 82

COLLIER COUNTY

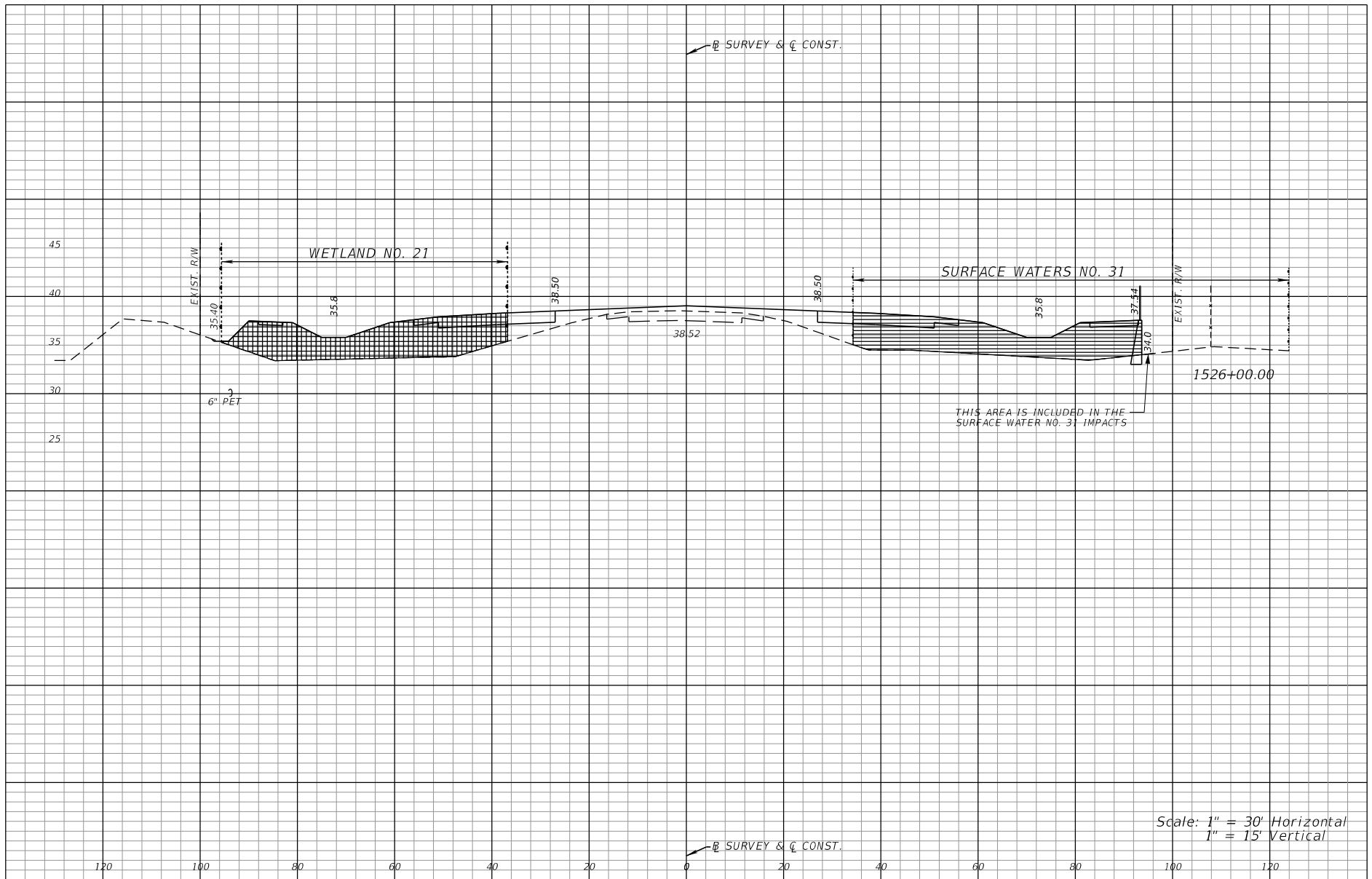
WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 20 OF 48



		FLORIDA DEPARTMENT OF TRANSPORTATION	
BRENT SETCHELL, P.E.		STATE ROAD NO. 82	
P.E. NUMBER 63134		COLLIER COUNTY	
FL. DEPT. OF TRANSPORTATION		WIDENING & RECONSTRUCTION	
801 N. BROADWAY AVE.		F.P.I.D. 430849-1-52-01	
BARTOW, FL 33831		SHEET 21 OF 48	



JURISDICTIONAL CUT SURFACE WATERS	JURISDICTIONAL FILL SURFACE WATERS	JURISDICTIONAL CUT WETLAND	JURISDICTIONAL FILL WETLAND
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**SR 82 CROSS SECTIONS**

**BRENT SETCHELL, P.E.**

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

**FLORIDA DEPARTMENT OF TRANSPORTATION**

**STATE ROAD NO. 82**

**COLLIER COUNTY**

**WIDENING & RECONSTRUCTION**

**F.P.I.D. 430849-1-52-01**

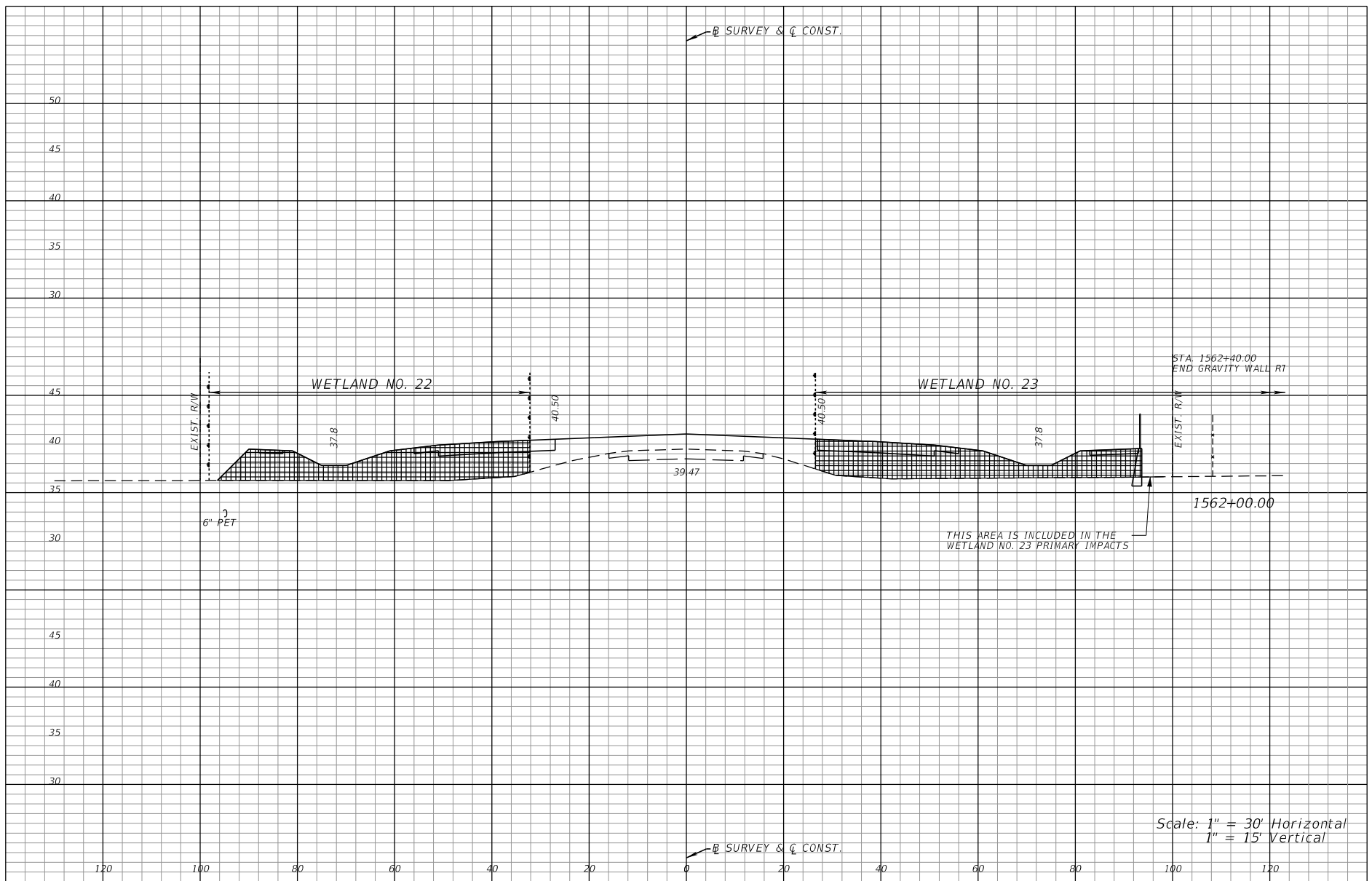
**SHEET 22 OF 48**

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BY

RDR

BJS



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

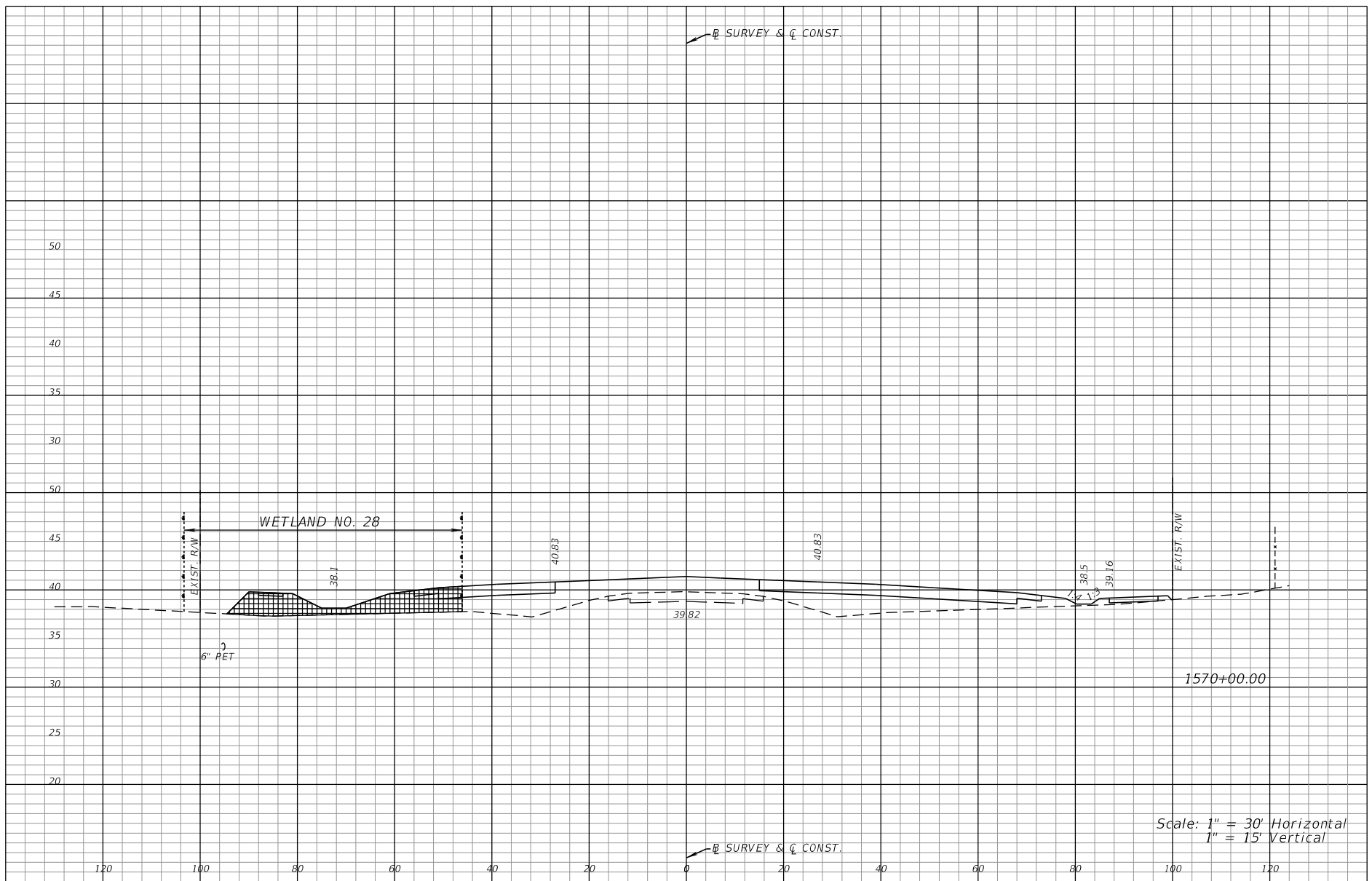
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 23 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

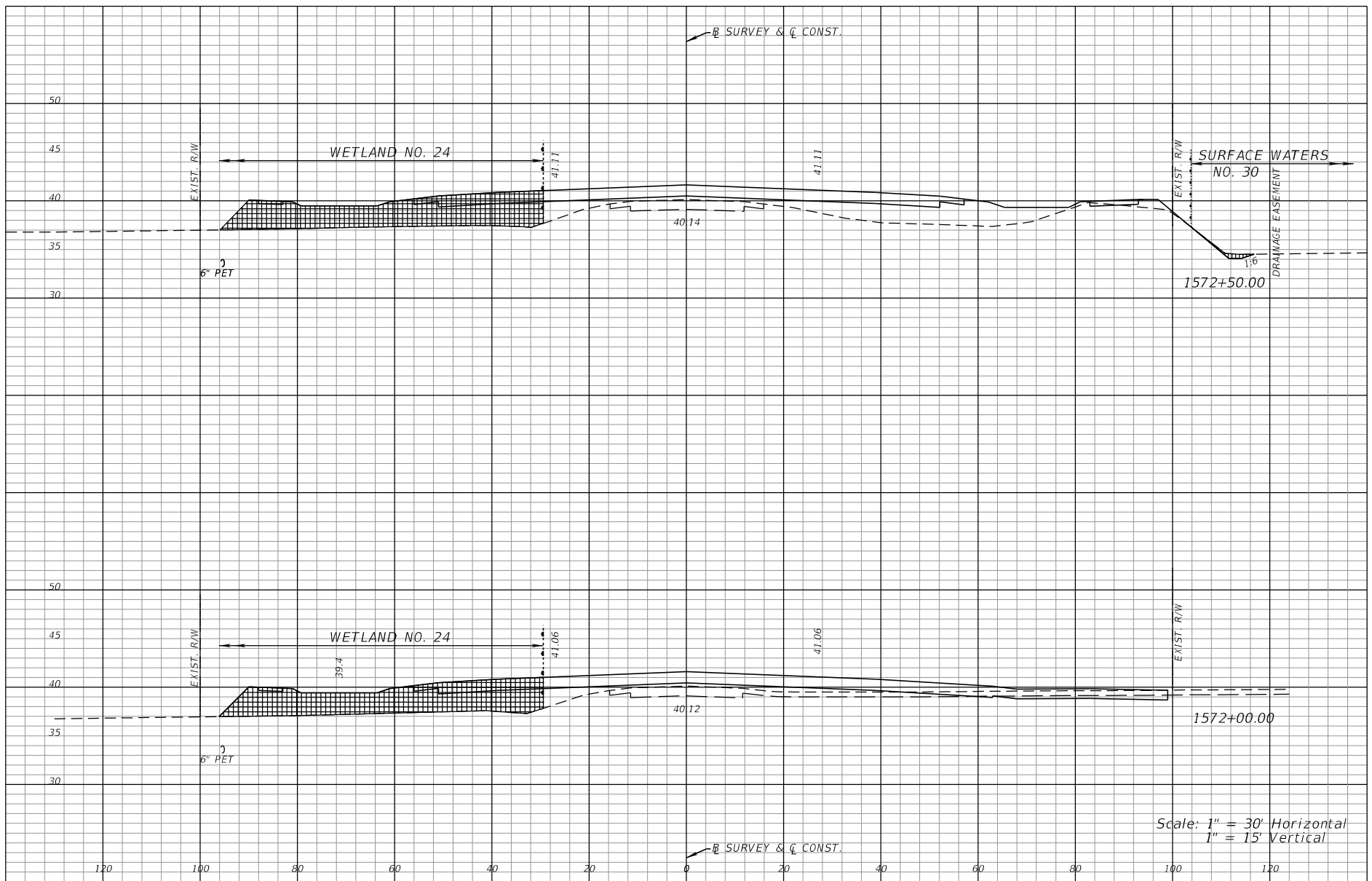
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 24 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

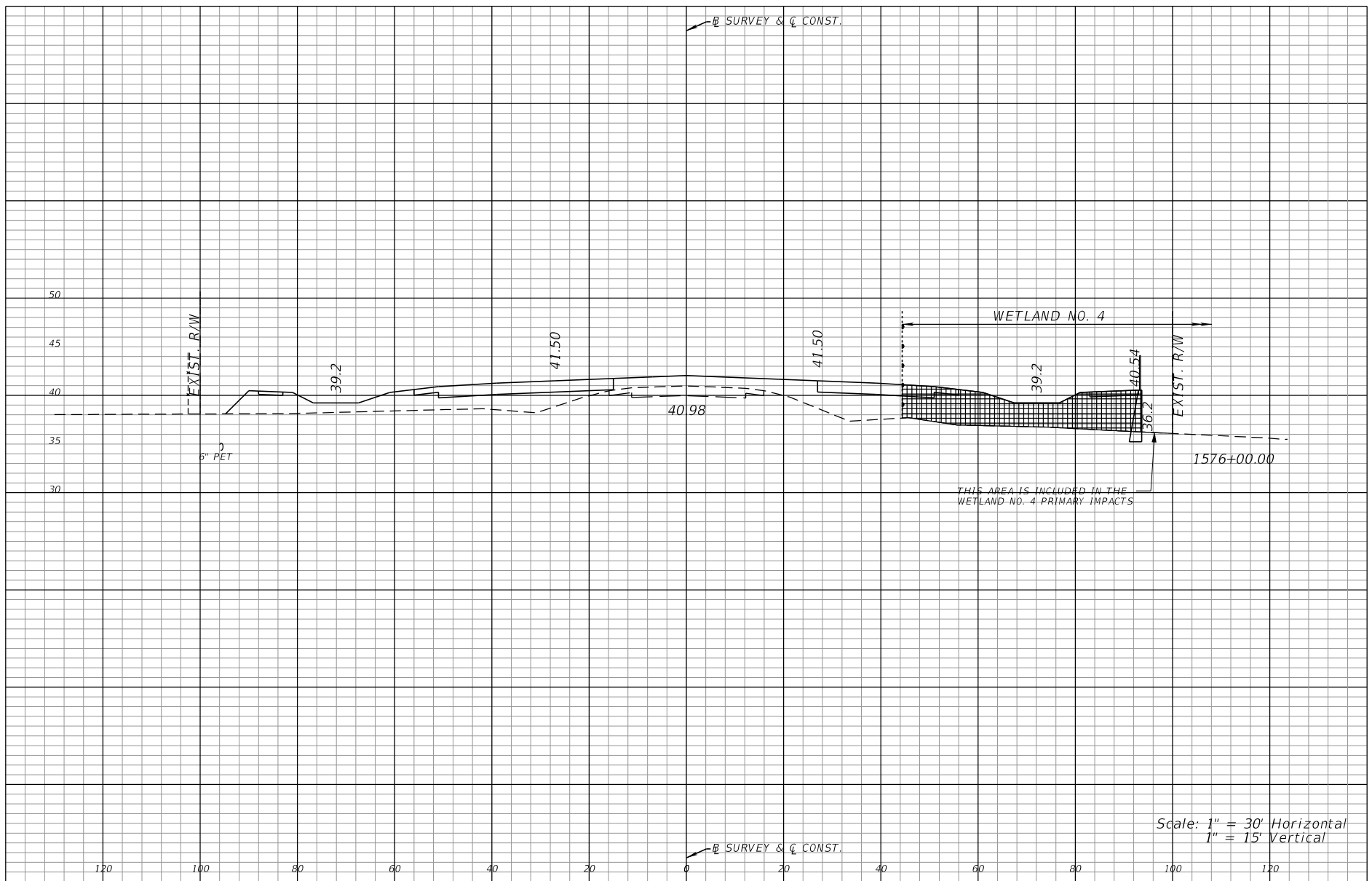
COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 25 OF 48





JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 26 OF 48

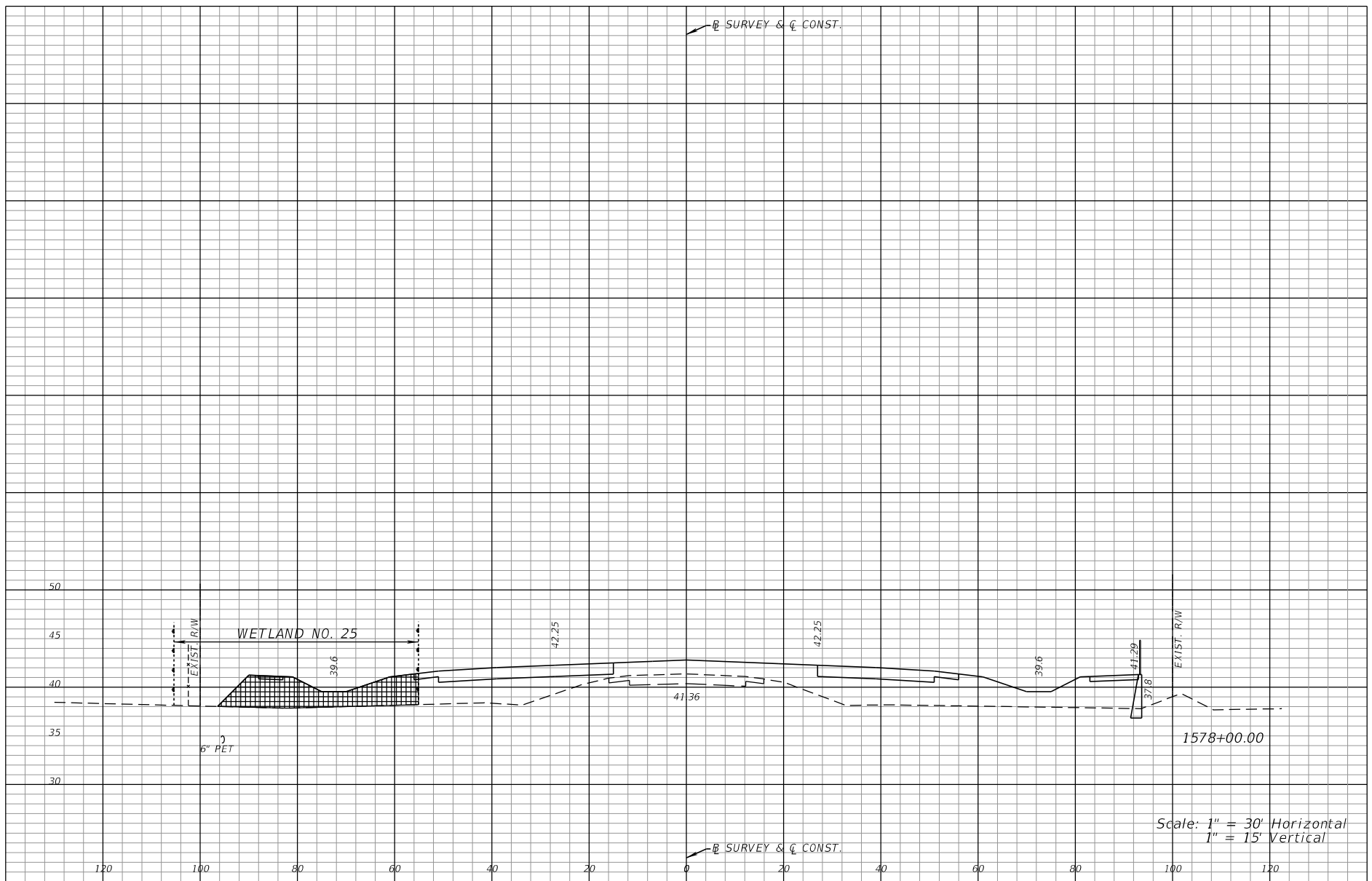
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BY

RDR

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BJS



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

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SHEET 27 OF 48



JURISDICTIONAL CUT SURFACE WATERS
 JURISDICTIONAL FILL SURFACE WATERS
 JURISDICTIONAL CUT WETLAND
 JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

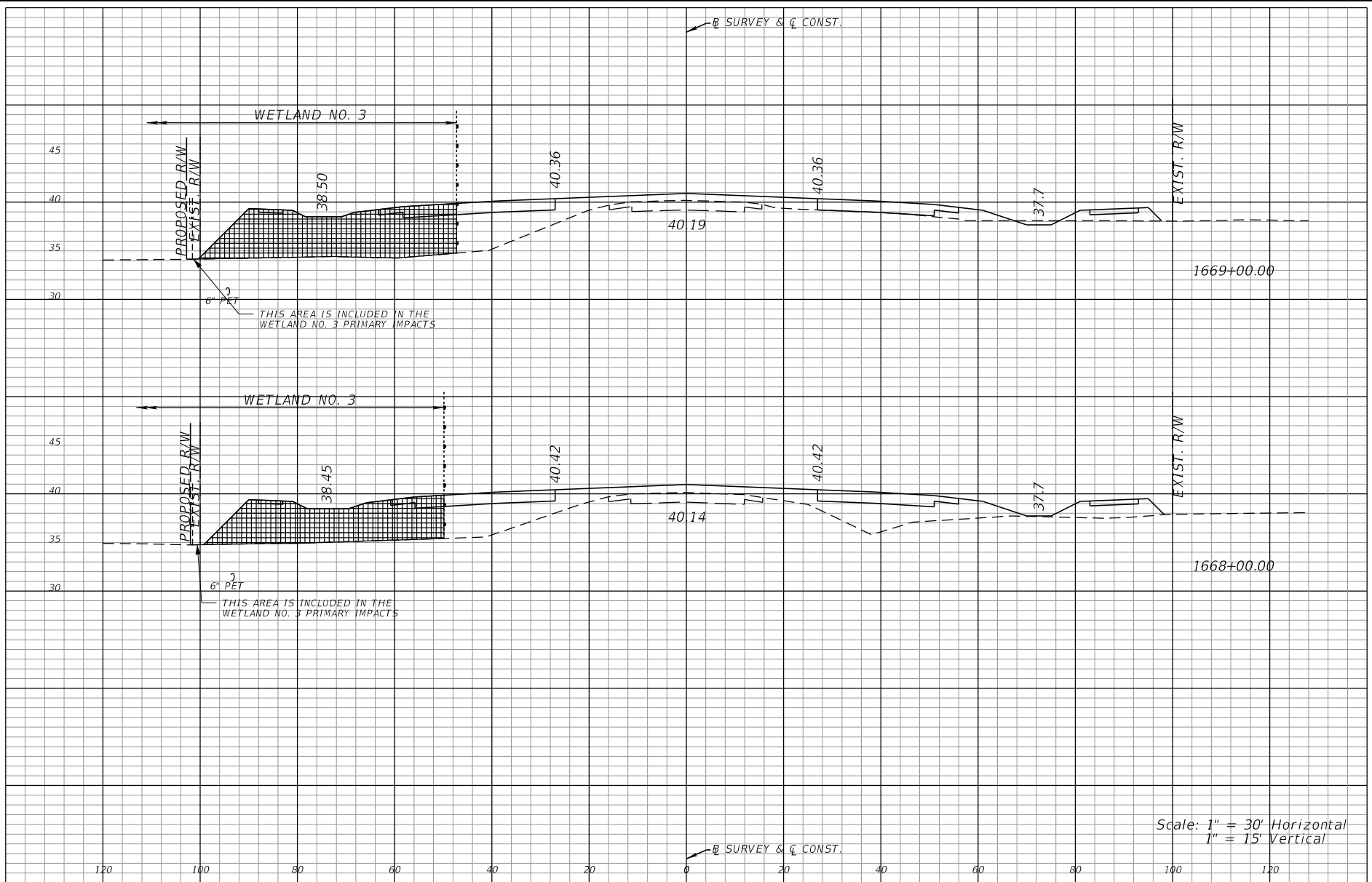
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 28 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

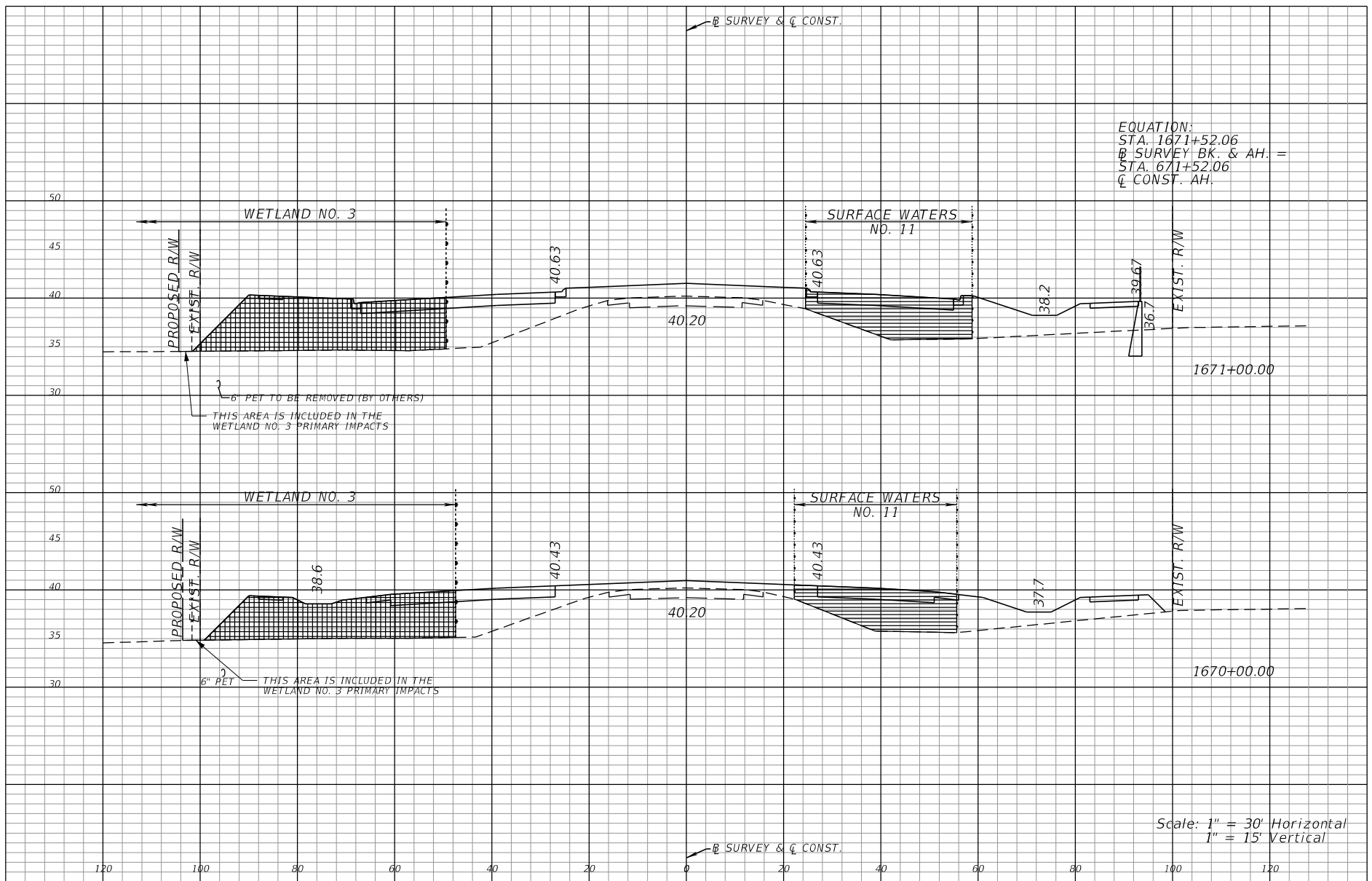
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 29 OF 48



JURISDICTIONAL CUT SURFACE WATERS  
 JURISDICTIONAL FILL SURFACE WATERS  
 JURISDICTIONAL CUT WETLAND  
 JURISDICTIONAL FILL WETLAND  
 SR 82 CROSS SECTIONS  
 Scale: 1" = 30' Horizontal  
 1" = 15' Vertical

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 30 OF 48

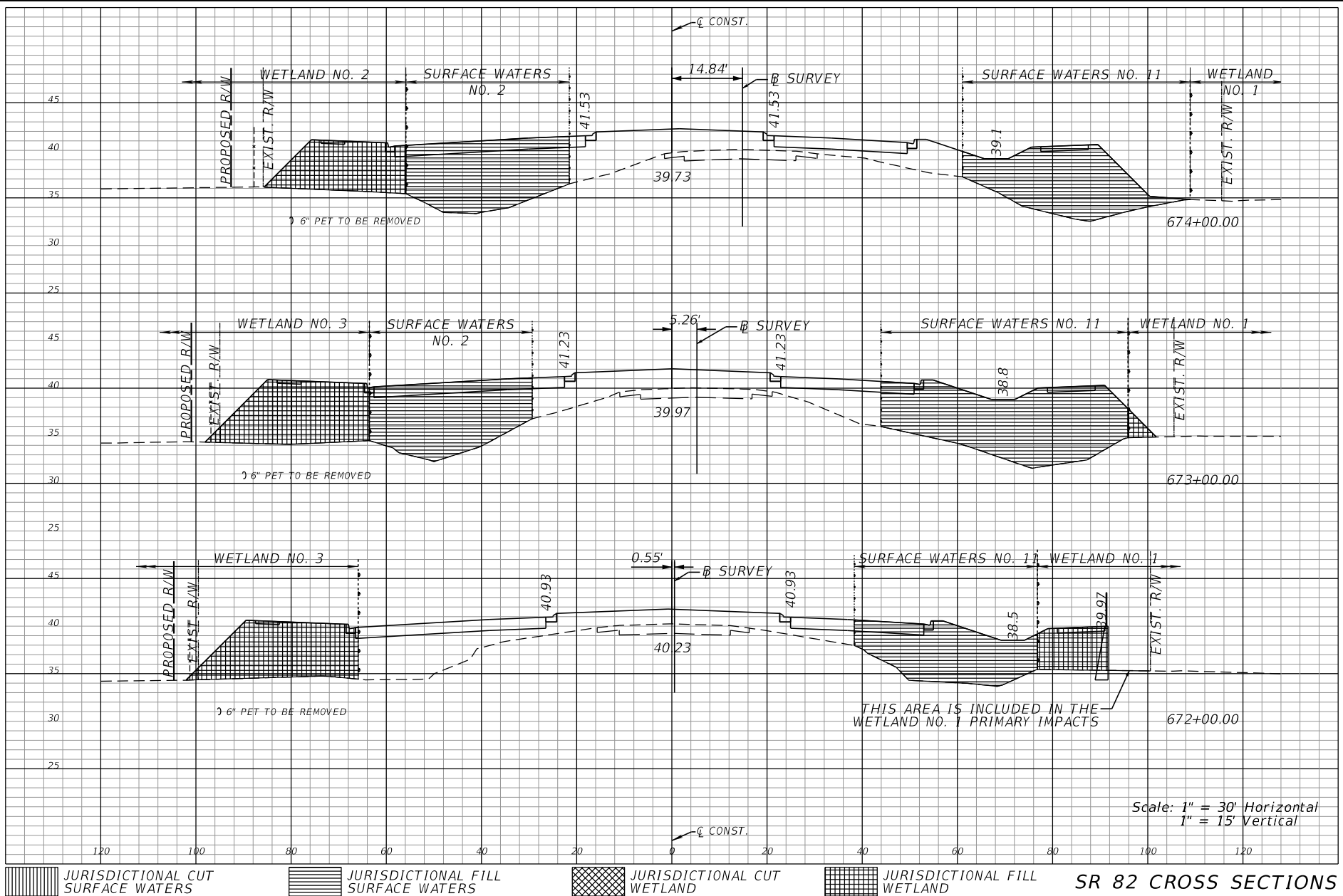
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BY

RDR

CHECKED

BJS



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

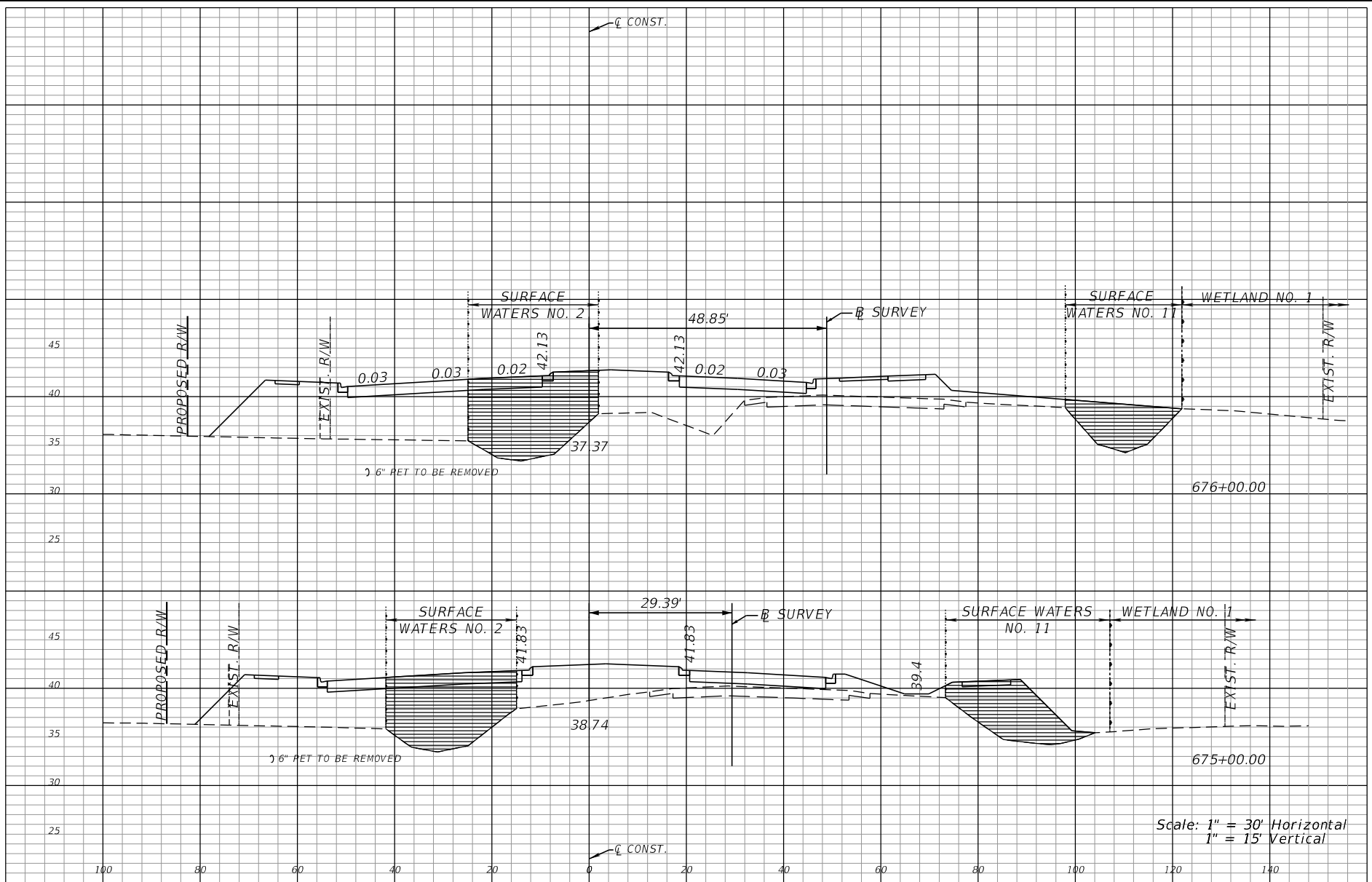
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 31 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 32 OF 48

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

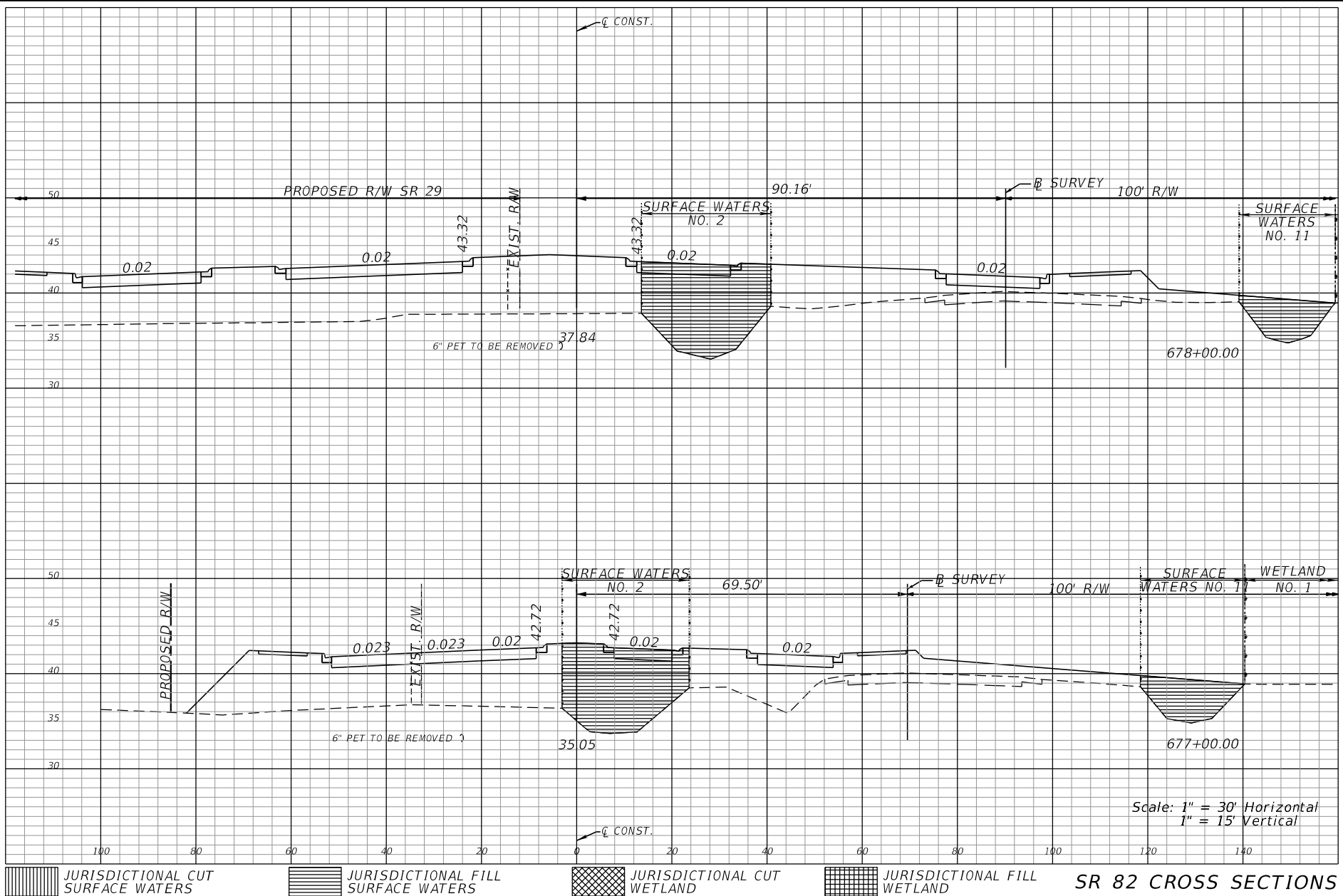
DRAWN

BY

RDR

CHECKED

BJS



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 82 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

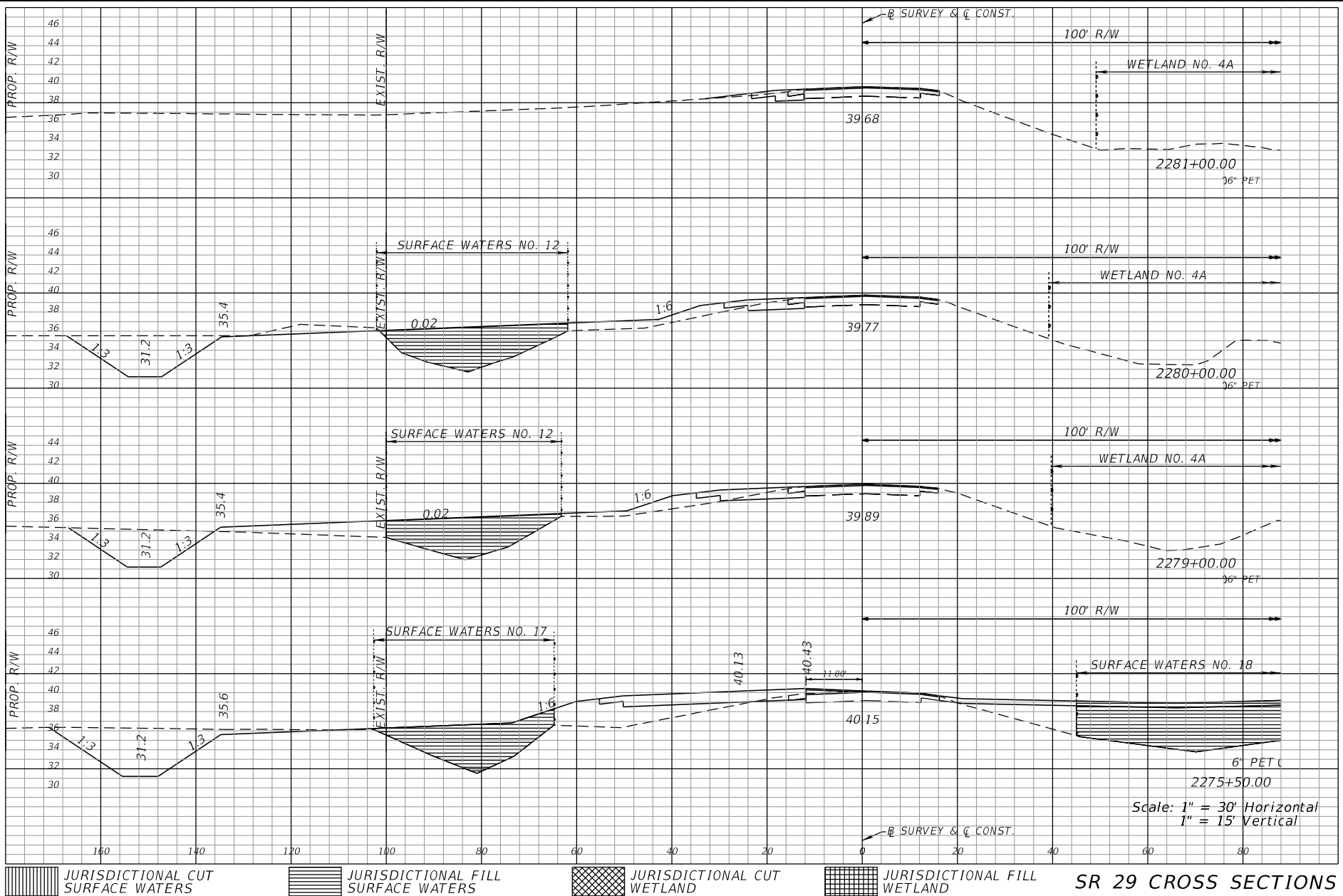
COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 33 OF 48





BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

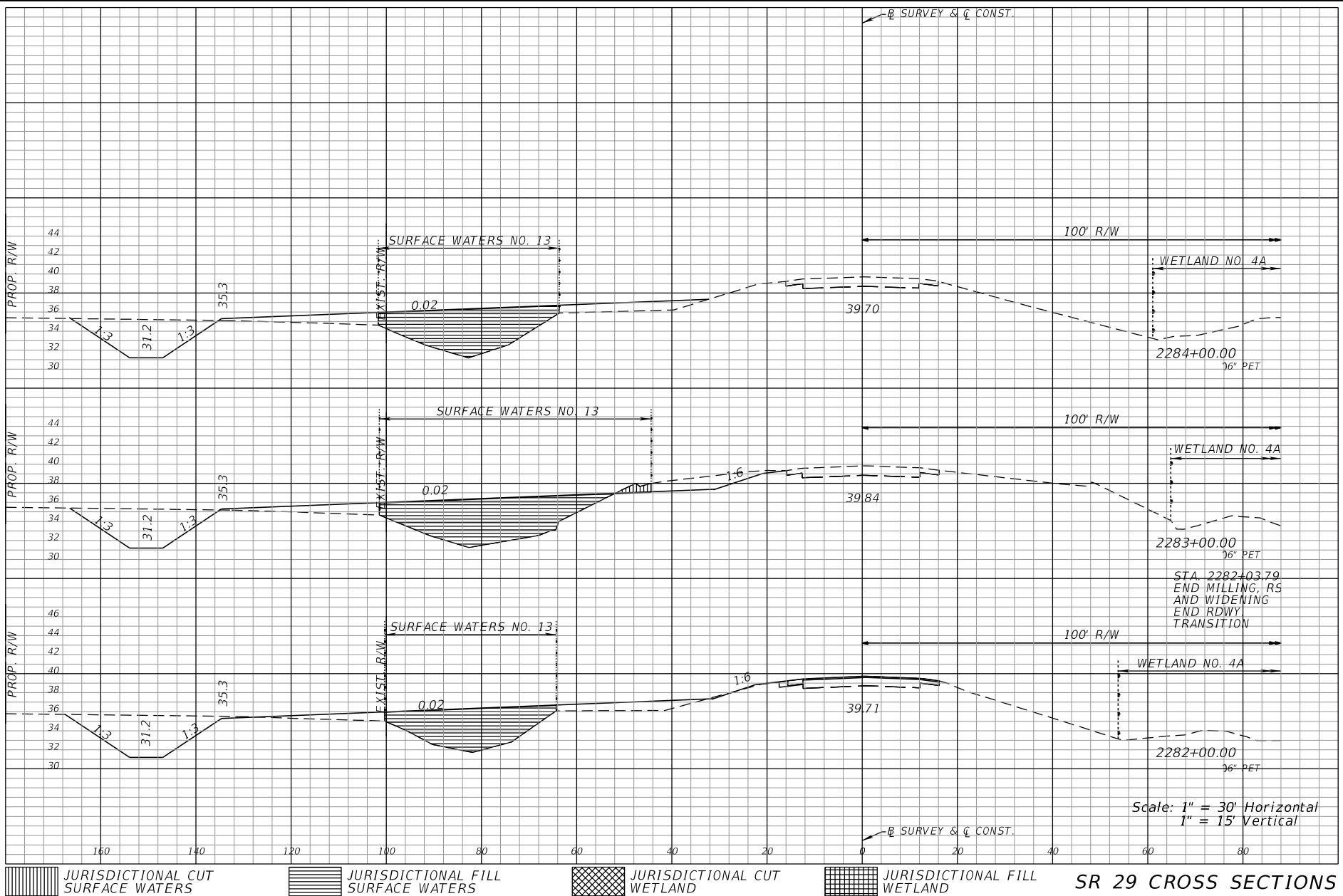
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 41 OF 48



BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

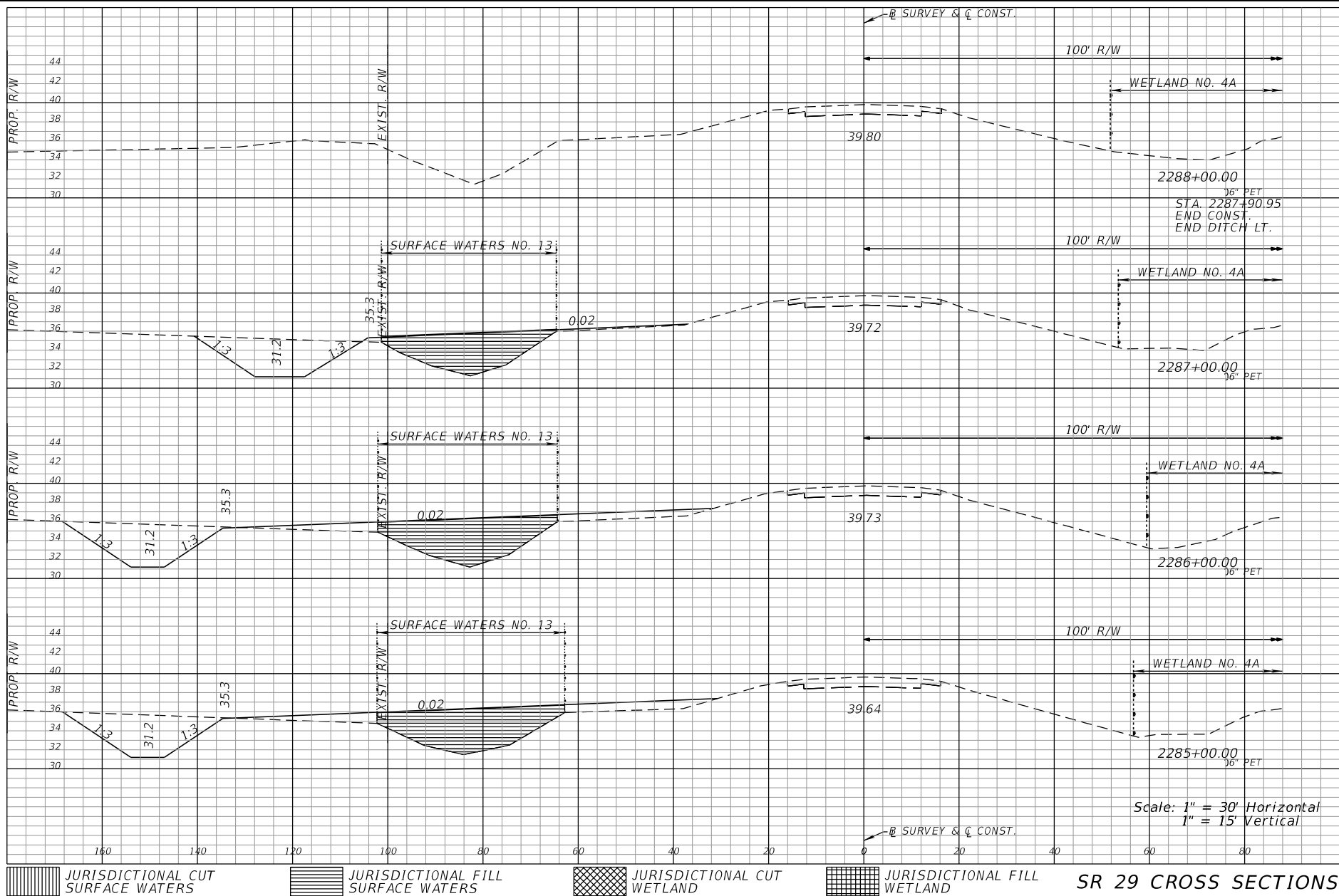
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 42 OF 48



BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

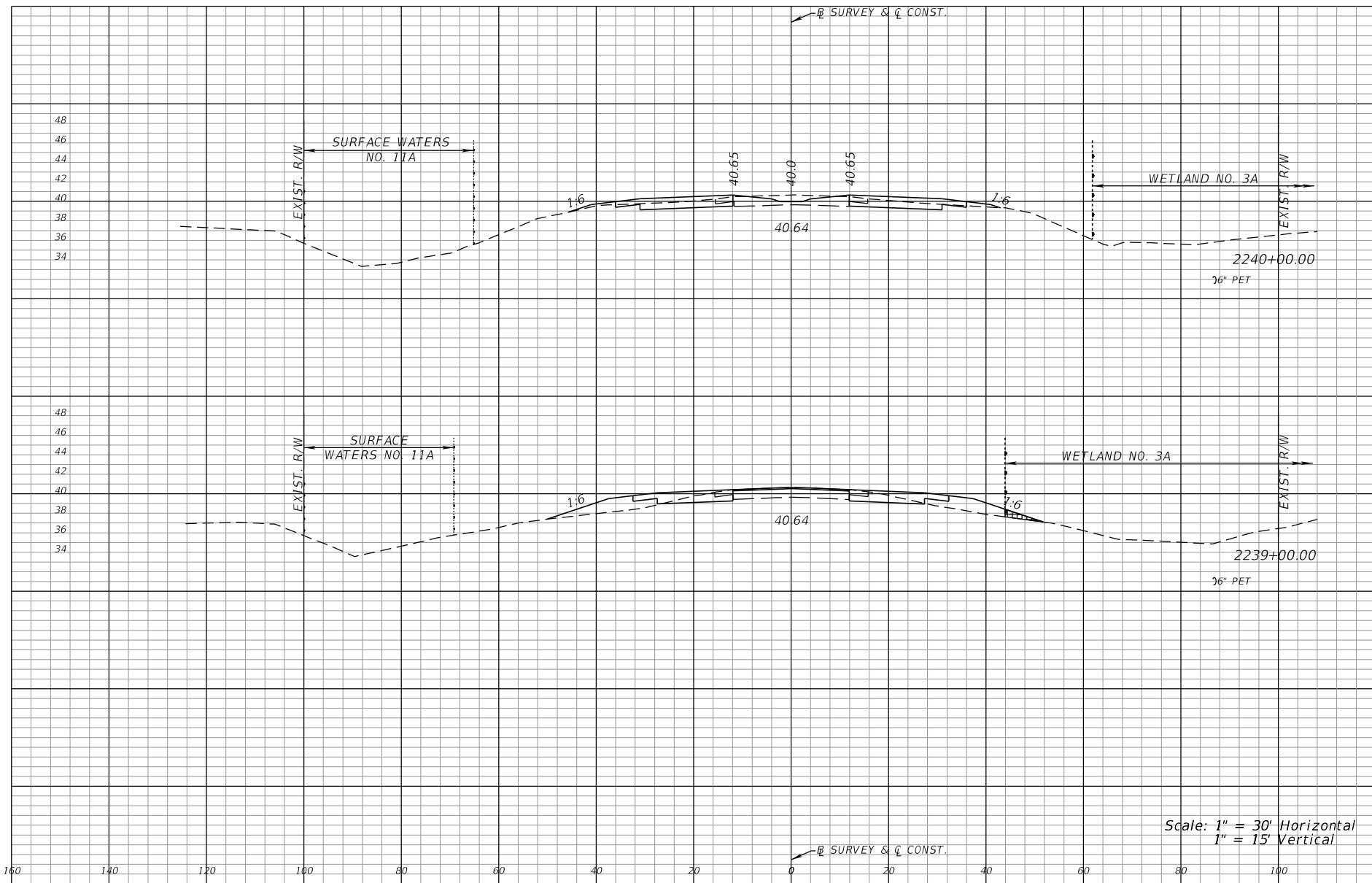
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 43 OF 48



 JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

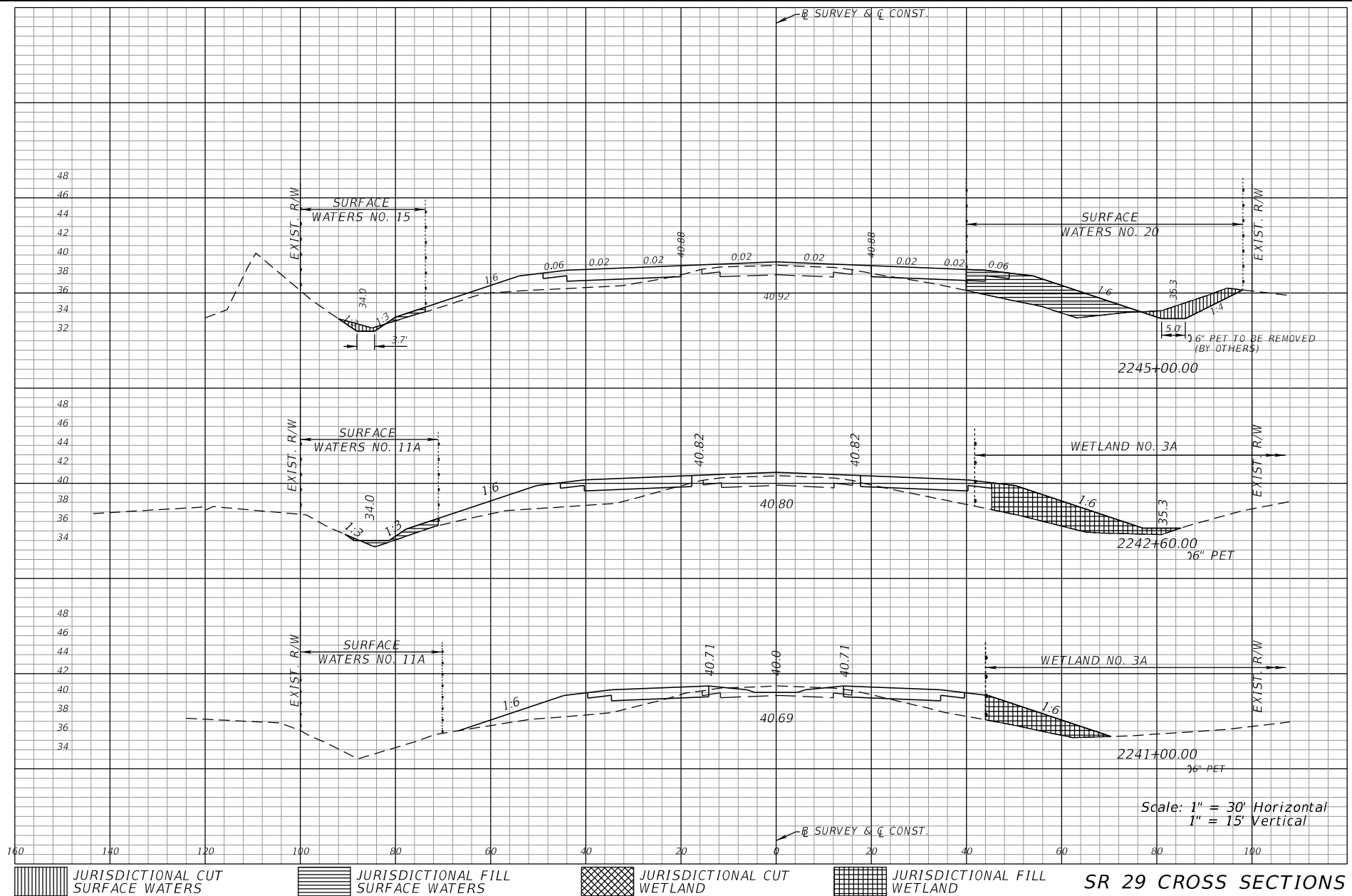
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 34 OF 48



BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

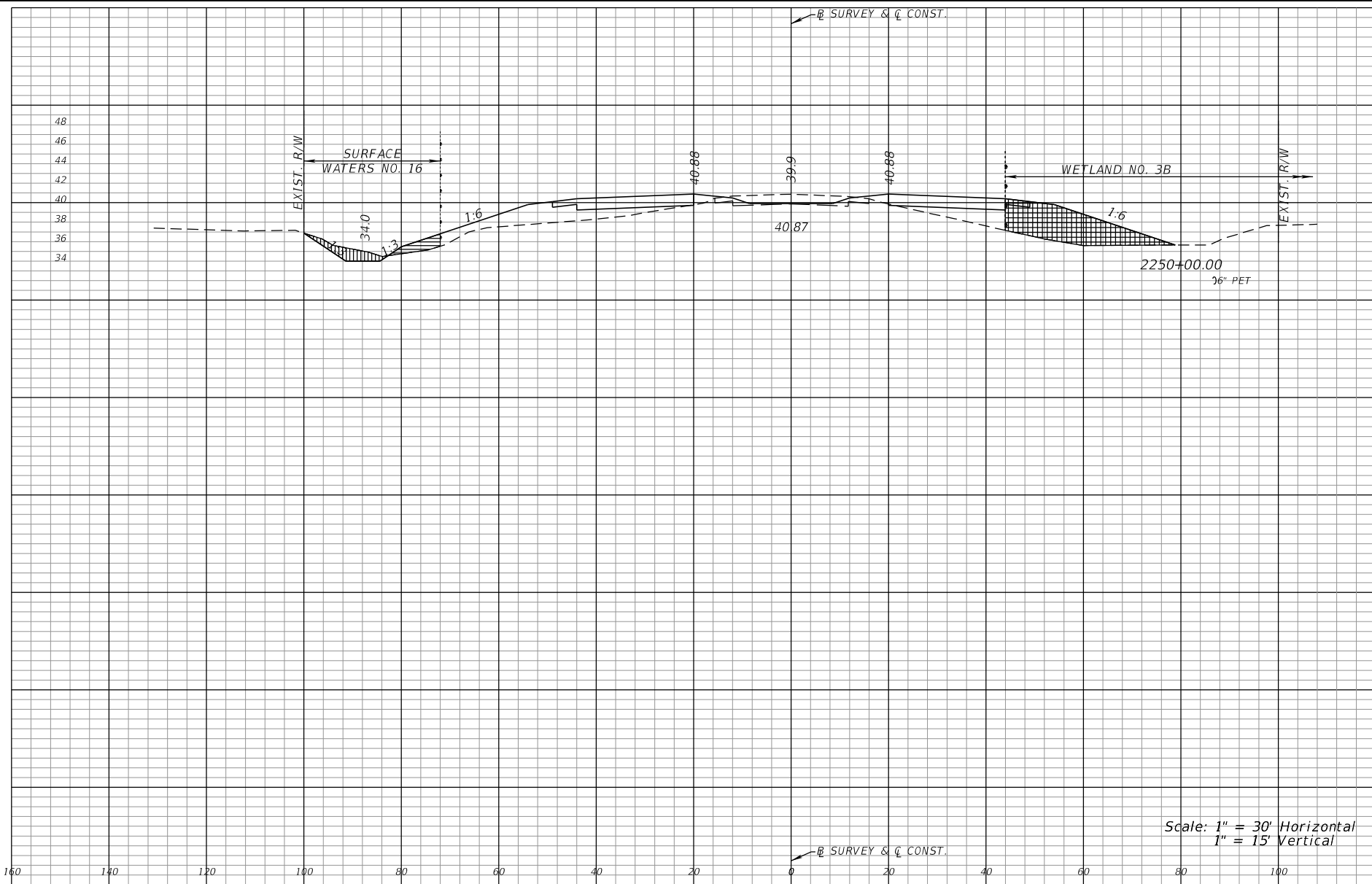
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

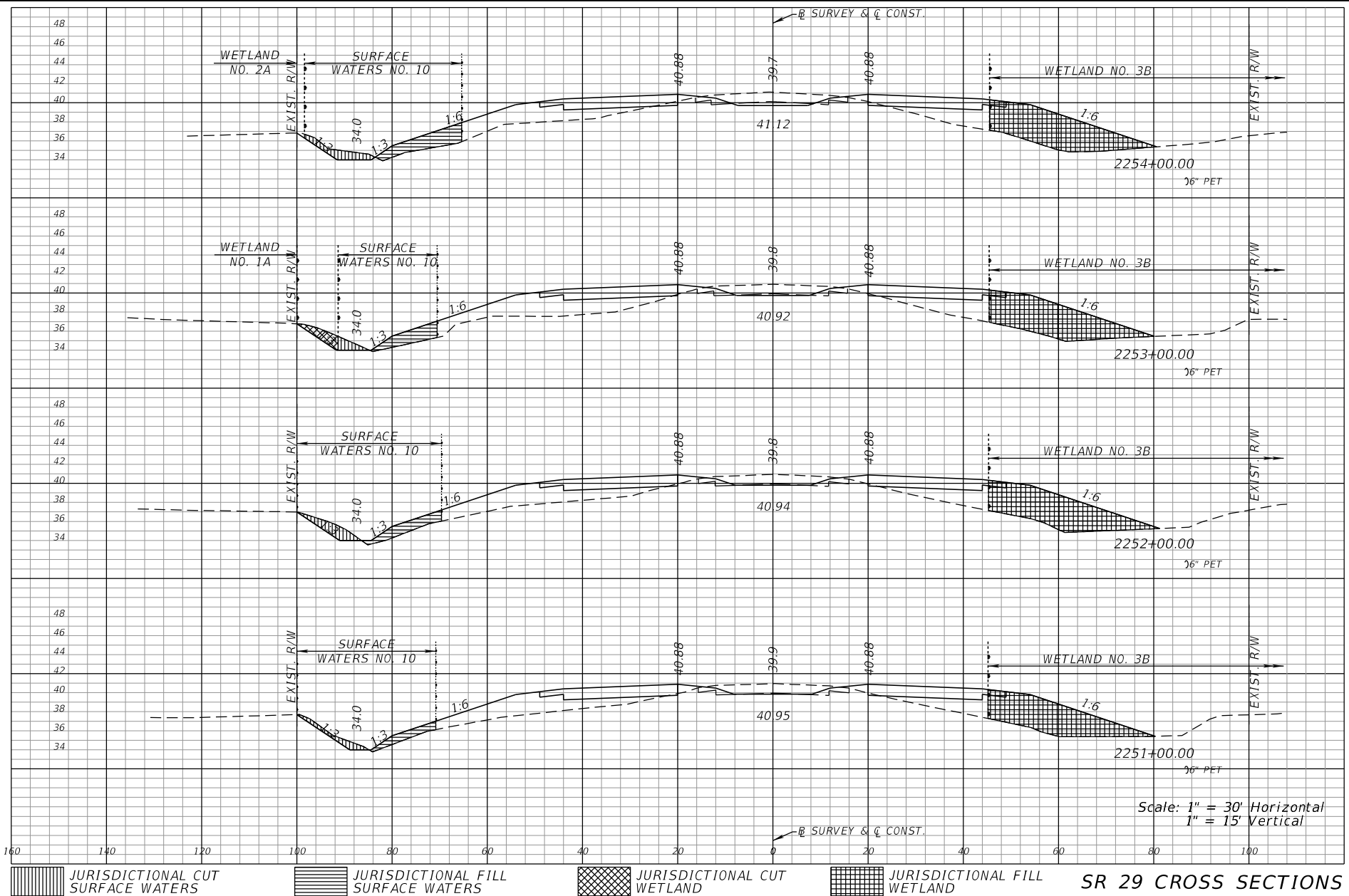
F.P.I.D. 430849-1-52-01

SHEET 35 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 29 CROSS SECTIONS

<b>FLORIDA DEPARTMENT OF TRANSPORTATION</b>	
<b>BRENT SETCHELL, P.E.</b> <small>DATE</small>  <b>P.E. NUMBER 63134</b> <small>FL. DEPT. OF TRANSPORTATION              801 N. BROADWAY AVE.              BARTOW, FL 33831</small>	<b>STATE ROAD NO. 82</b> <span style="float: right;"><b>COLLIER COUNTY</b></span>  <b>WIDENING &amp; RECONSTRUCTION</b>
<small>DRAWN</small> <b>RDR</b> <small>CHECKED</small> <b>BJS</b>	<b>F.P.I.D. 430849-1-52-01</b> <span style="float: right;"><b>SHEET 36 OF 48</b></span>



SR 29 CROSS SECTIONS

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

BY

WIDENING & RECONSTRUCTION

DRAWN

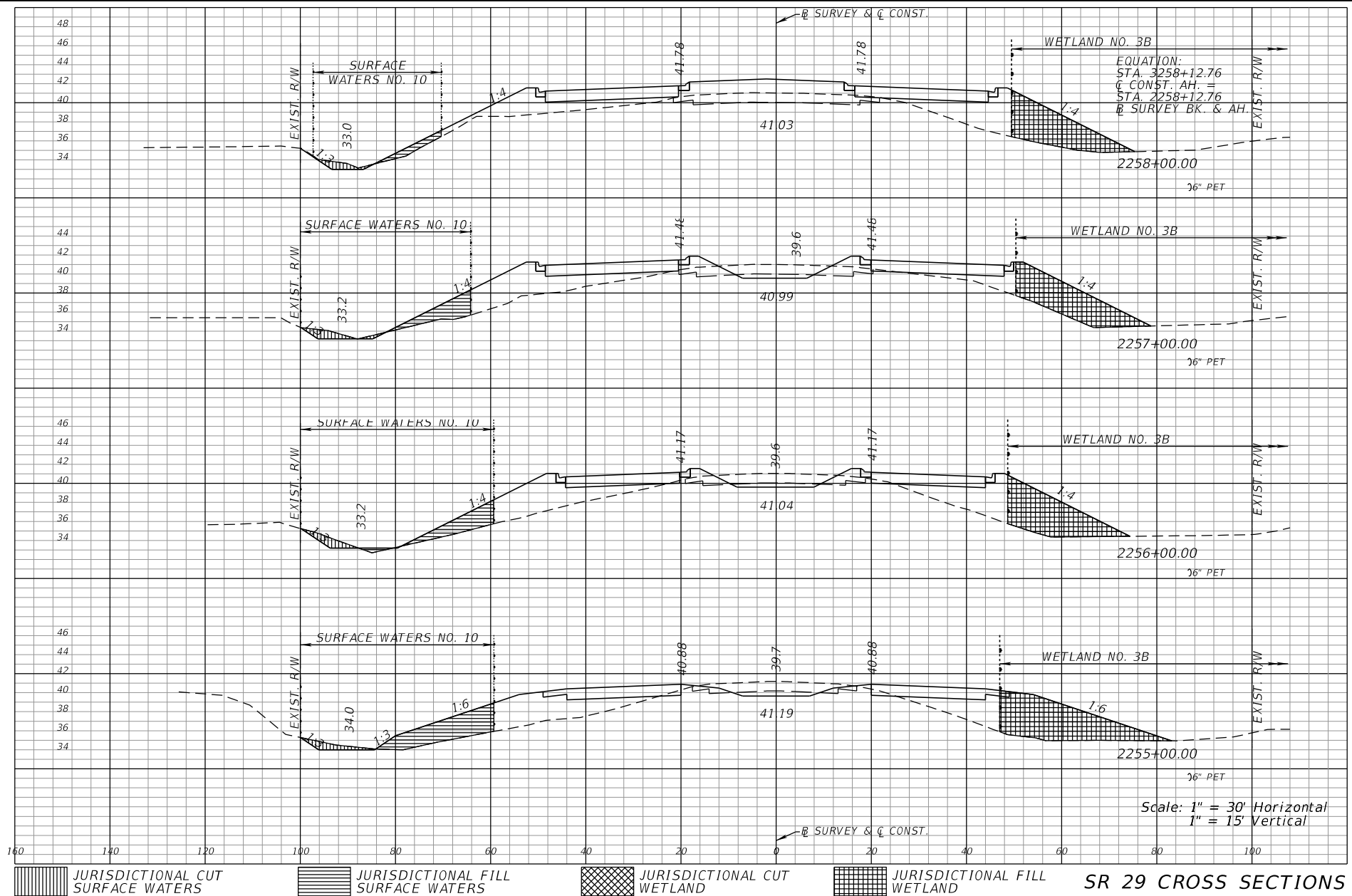
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F.P.I.D. 430849-1-52-01

SHEET 37 OF 48



SR 29 CROSS SECTIONS

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

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BRENT SETCHELL, P.E.

DATE

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FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

DRAWN

BY

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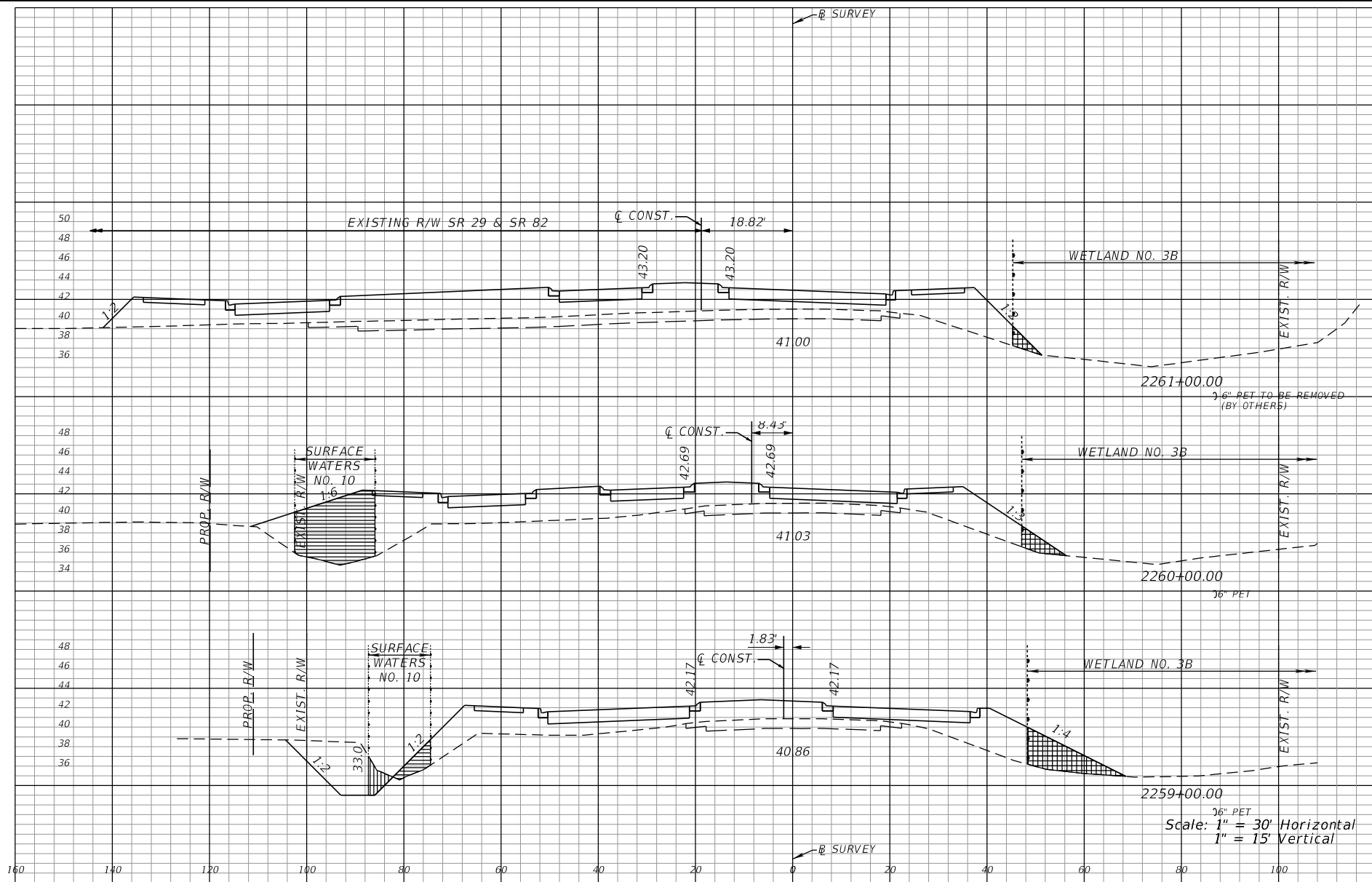
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JURISDICTIONAL CUT  
SURFACE WATERS



JURISDICTIONAL FILL  
SURFACE WATERS



JURISDICTIONAL CUT  
WETLAND



JURISDICTIONAL FILL  
WETLAND

SR 29 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

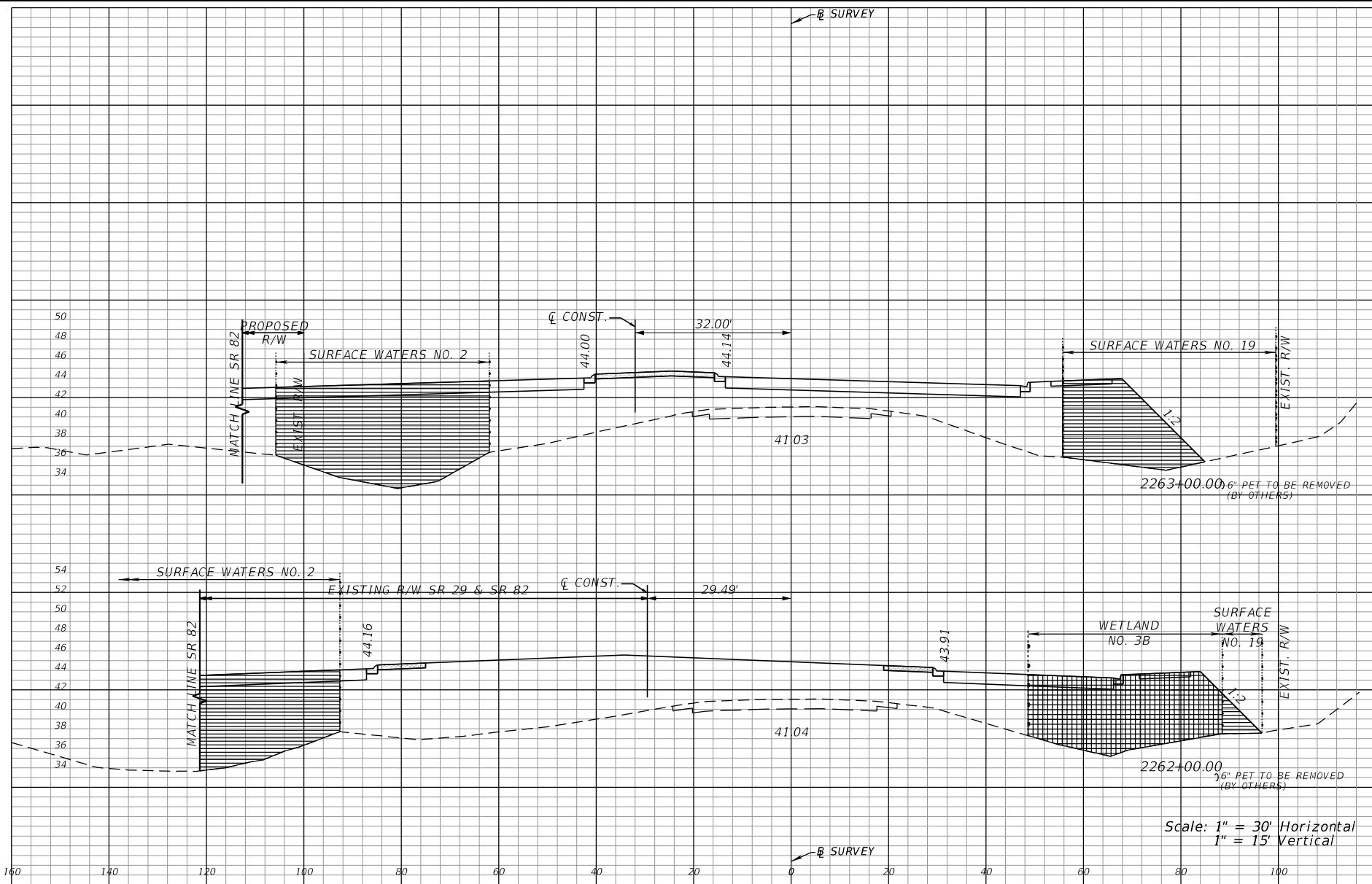
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 39 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 SR 29 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

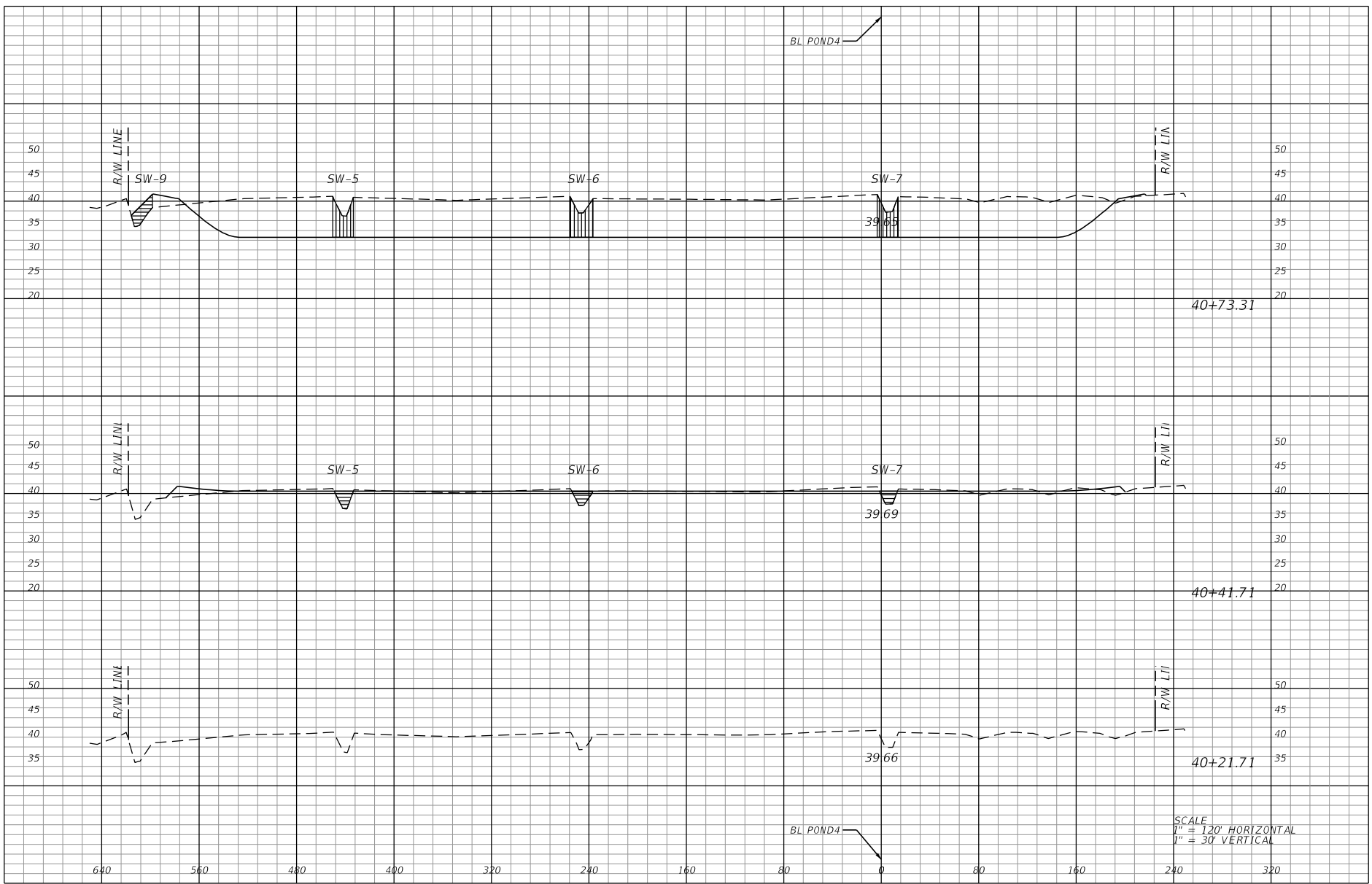
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 40 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 POND 4 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

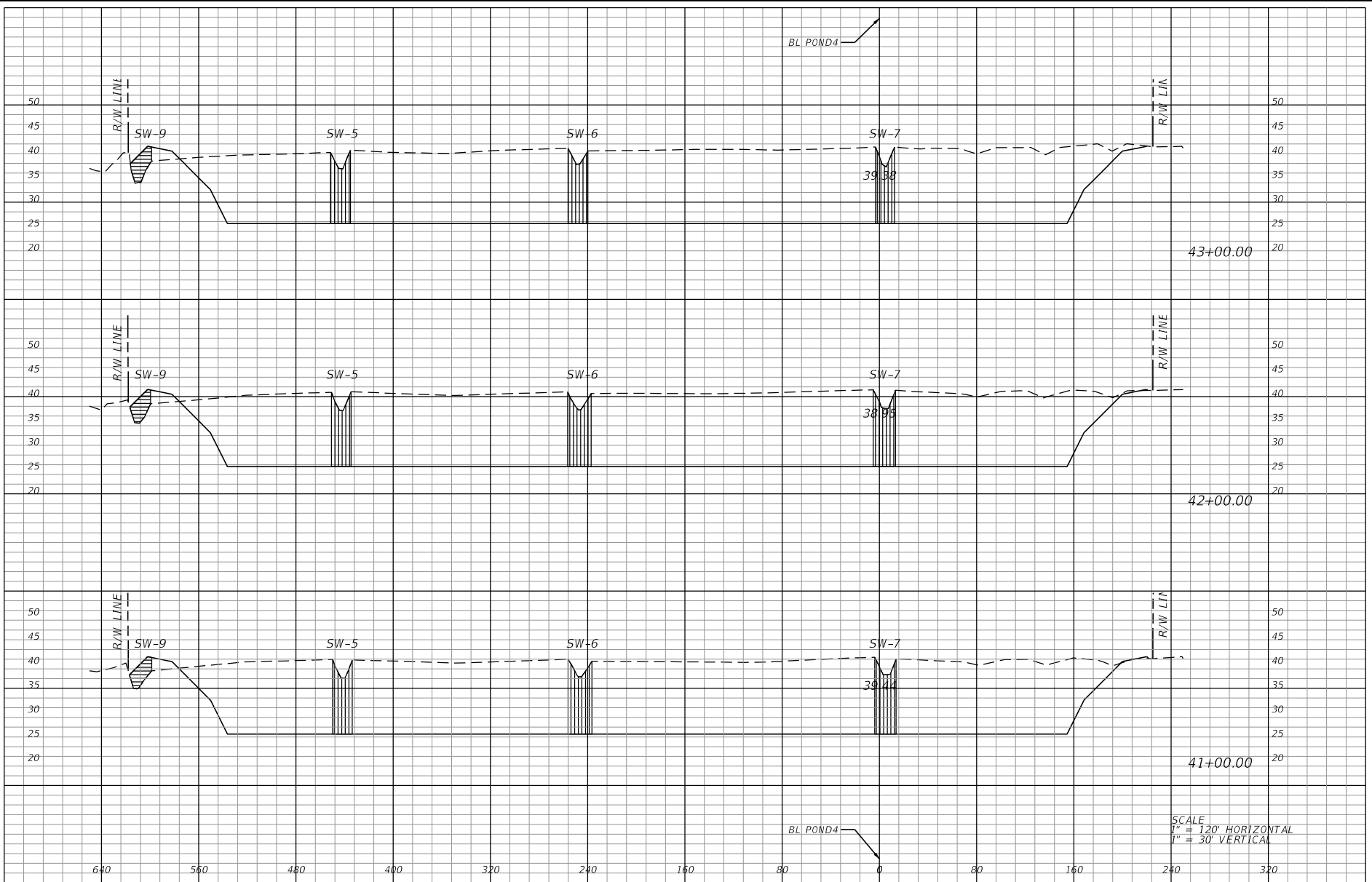
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 44 OF 48



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 POND 4 CROSS SECTIONS

FLORIDA DEPARTMENT OF TRANSPORTATION

STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

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BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

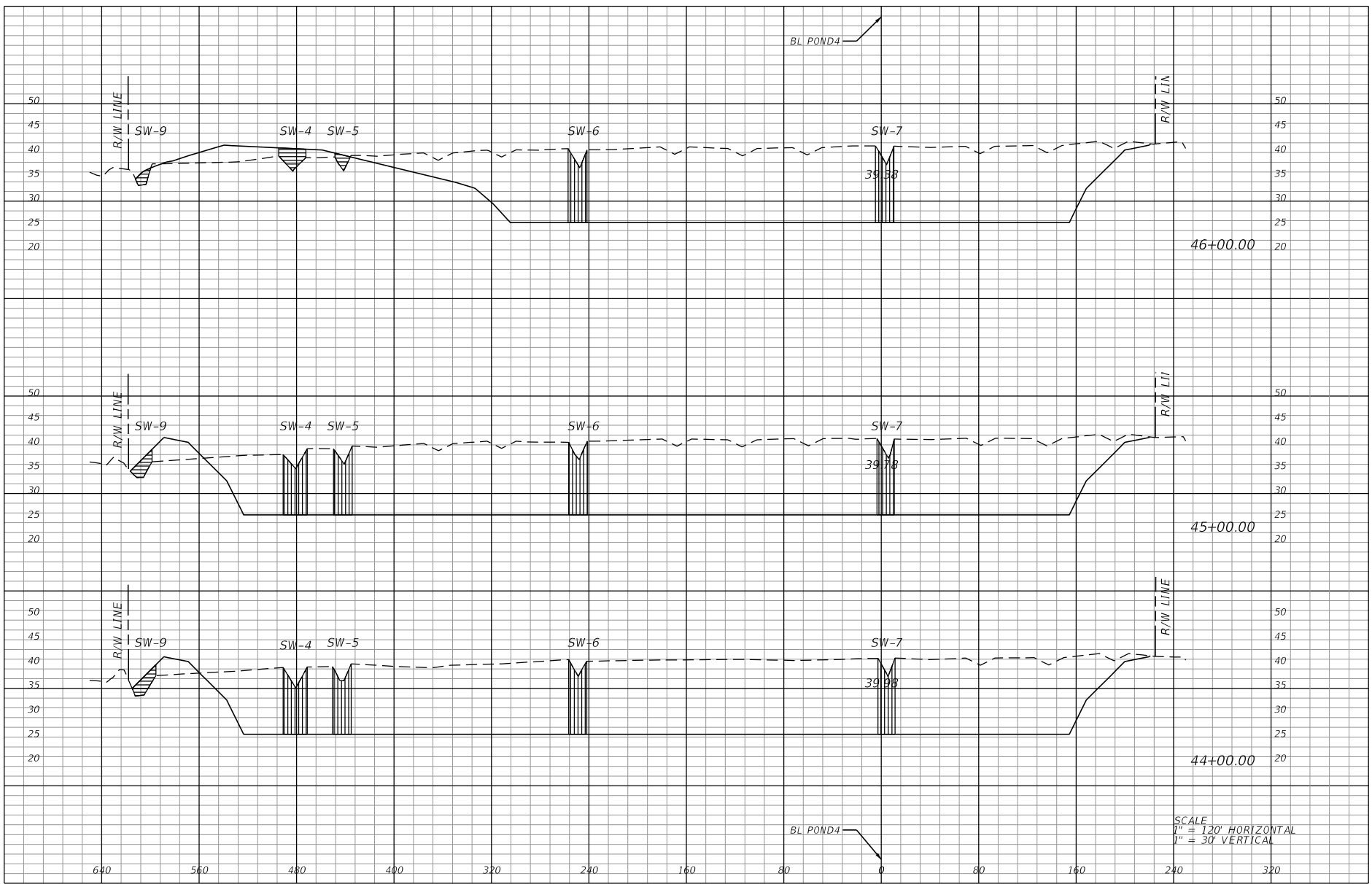
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BJS



JURISDICTIONAL CUT SURFACE WATERS
  JURISDICTIONAL FILL SURFACE WATERS
  JURISDICTIONAL CUT WETLAND
  JURISDICTIONAL FILL WETLAND
 POND 4 CROSS SECTIONS

BRENT SETCHELL, P.E.

DATE

P.E. NUMBER 63134

FL. DEPT. OF TRANSPORTATION  
801 N. BROADWAY AVE.  
BARTOW, FL 33831

FLORIDA DEPARTMENT OF TRANSPORTATION

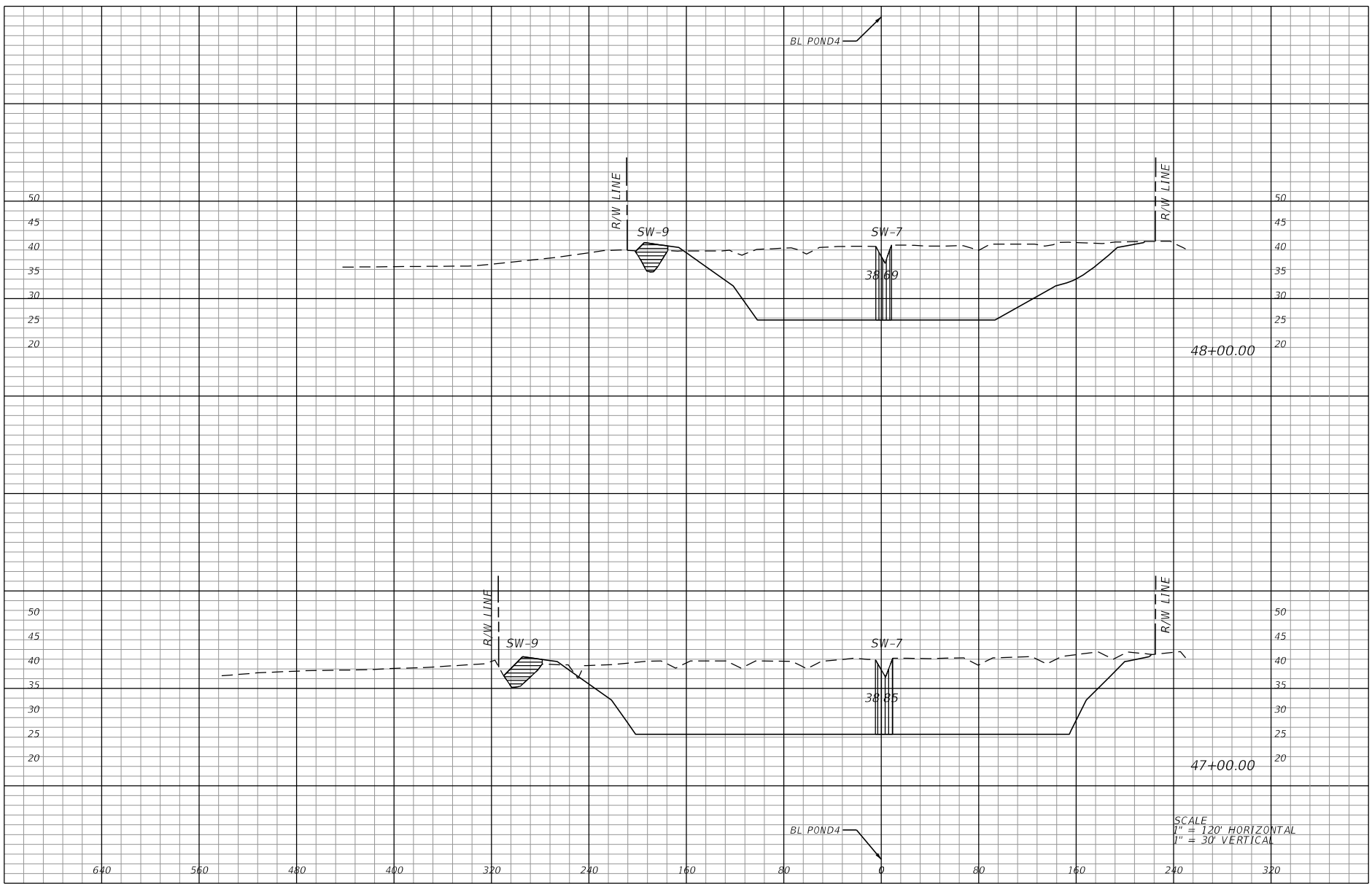
STATE ROAD NO. 82

COLLIER COUNTY

WIDENING & RECONSTRUCTION

F.P.I.D. 430849-1-52-01

SHEET 46 OF 48



**POND 4 CROSS SECTIONS**

SCALE  
1" = 120' HORIZONTAL  
1" = 30' VERTICAL

**BRENT SETCHELL, P.E.** \_\_\_\_\_ DATE \_\_\_\_\_

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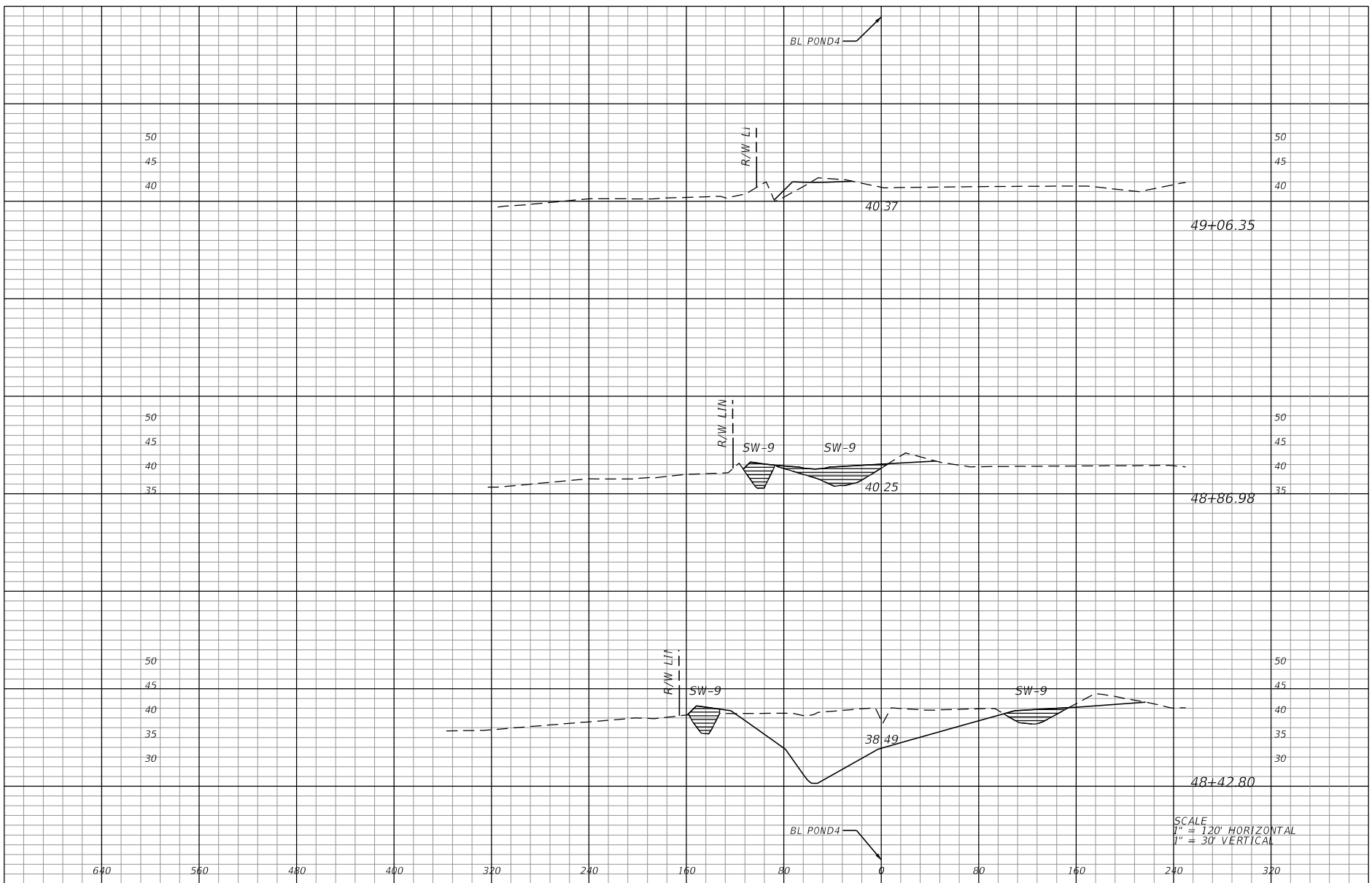
**COLLIER COUNTY**

**WIDENING & RECONSTRUCTION**

	BY
DRAWN	RDR
CHECKED	BJS

**F.P.I.D. 430849-1-52-01**

**SHEET 47 OF 48**



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