

COMPONENTS OF CONTRACT PLANS SET

- ROADWAY PLANS
- SIGNING & PAVEMENT MARKING PLANS
- SIGNALIZATION PLANS (FUTURE SUBMITTAL)
- INTELLIGENT TRANSPORTATION SYSTEMS PLANS (FUTURE SUBMITTAL)
- LIGHTING PLANS (FUTURE SUBMITTAL)
- LANDSCAPE PLANS (FUTURE SUBMITTAL)
- ARCHITECTURAL PLANS (FUTURE SUBMITTAL)
- STRUCTURE PLANS (FUTURE SUBMITTAL)

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
1A	NOTES TO REVIEWERS
2-5	DRAINAGE MAP
6-14	TYPICAL SECTIONS
15-16	TYPICAL SECTION DETAILS
17	SUMMARY OF QUANTITIES
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24	GENERAL NOTES
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108-109	POND DETAILS
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112	POND / SWALE SURVEY SHEET
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292-417	SOIL MIXING PLANS
418-420	SWPPP
421-492	TEMPORARY TRAFFIC CONTROL PLANS (PHASE 2A & 2B ONLY)
493-519	UTILITY ADJUSTMENTS

GOVERNING STANDARDS AND SPECIFICATIONS:  
FLORIDA DEPARTMENT OF TRANSPORTATION,  
2013 DESIGN STANDARDS AND  
REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND  
2013 STANDARD SPECIFICATIONS FOR ROAD AND  
BRIDGE CONSTRUCTION,  
AS AMENDED BY CONTRACT DOCUMENTS.

For Design Standards click on the  
"Design Standards" link at the following web site:  
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road  
and Bridge Construction click on the  
"Specifications" link at the following web site:  
<http://www.dot.state.fl.us/specificationsoffice/>

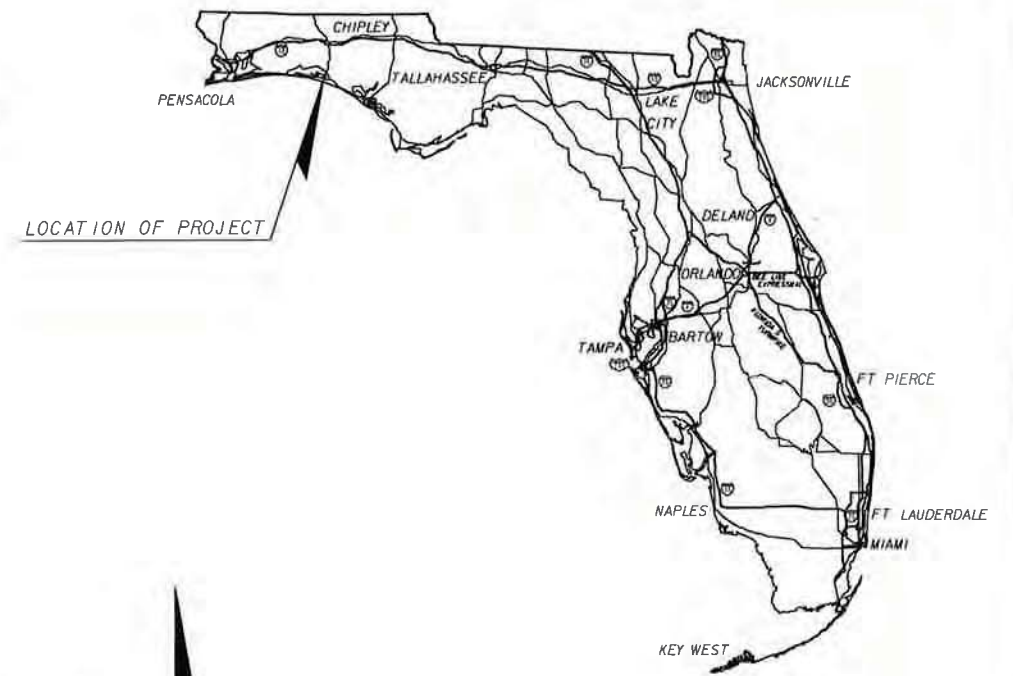
REVISIONS



STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

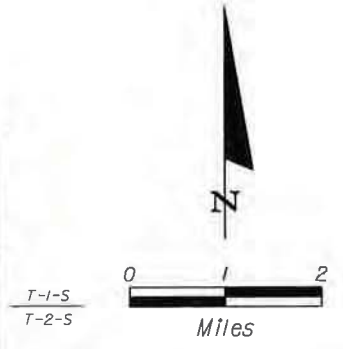
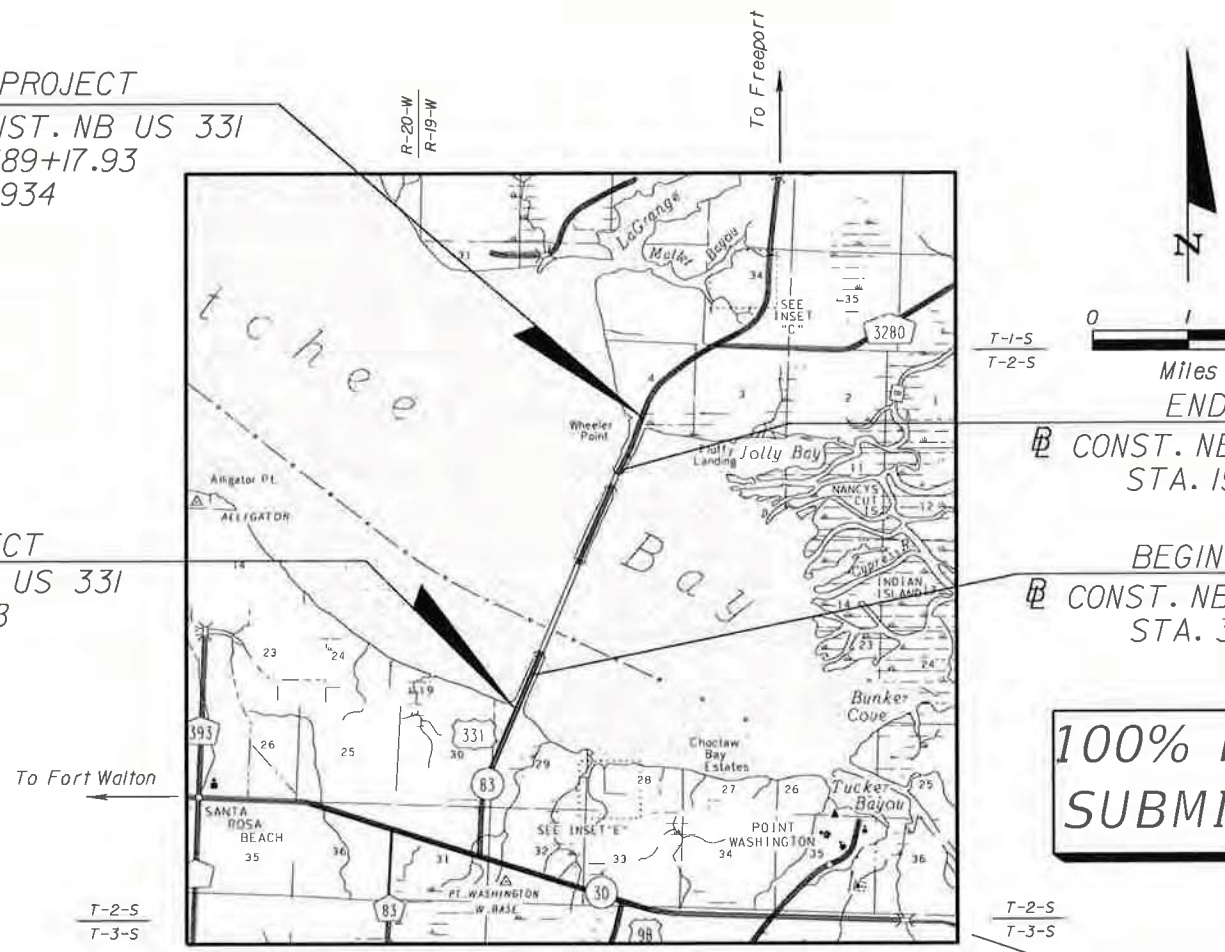
CONTRACT PLANS

FINANCIAL PROJECT ID 220664-2-52-01  
WALTON COUNTY (60040)  
STATE ROAD NO. 83 (US 331)



END PROJECT  
CONST. NB US 331  
STA. 189+17.93  
MP 4.934

BEGIN PROJECT  
CONST. NB US 331  
STA. 10+00.88  
MP 1.576



END BRIDGE  
CONST. NB US 331  
STA. 157+76.38

BEGIN BRIDGE  
CONST. NB US 331  
STA. 37+20.77

100% ROADWAY PLANS  
SUBMITTED 01/16/14

ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:  
  
Charles Rudle, PE  
Parsons Brinckerhoff  
2202 North West Shore Blvd. Suite 300  
Tampa, Florida 33607  
(813) 520-4394

PLANS PREPARED BY:  
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8463  
Vendor No. 111531569  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

*Ch D Davis*  
1/16/14

PROJECT LENGTH IS BASED ON ☐ OF CONSTRUCTION

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	5862.00	1.110
BRIDGES	12055.61	2.283
NET LENGTH OF PROJECT	17917.61	3.393
EXCEPTIONS		
GROSS LENGTH OF PROJECT	17917.61	3.393

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

ROADWAY PLANS  
ENGINEER OF RECORD: CHRISTOPHER D DAVIS

P.E. NO. 063070

FISCAL YEAR	SHEET NO.
13	1

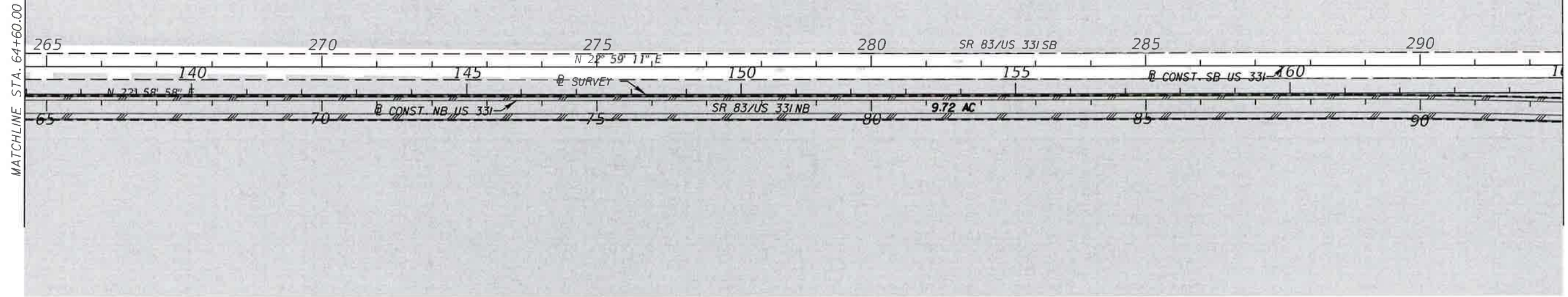
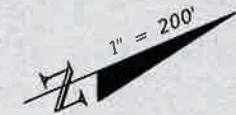
FDOT PROJECT MANAGER: Kerrie Harrell, P.E.

S.R. 83 From Chat Holley Rd to Jolly Bay Rd

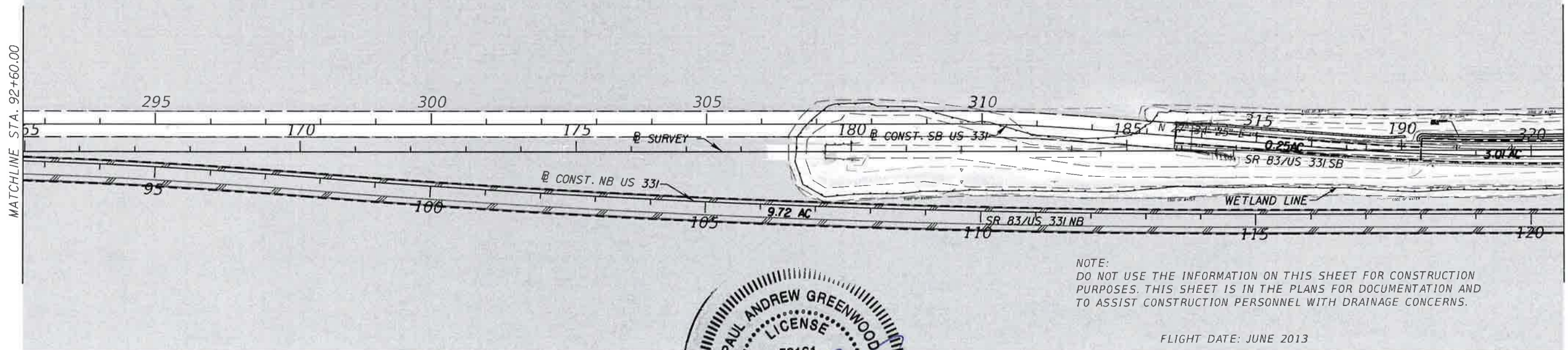
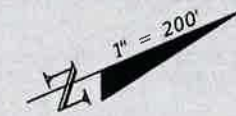




Choctawhatchee Bay



Choctawhatchee Bay



NOTE:  
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

FLIGHT DATE: JUNE 2013



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

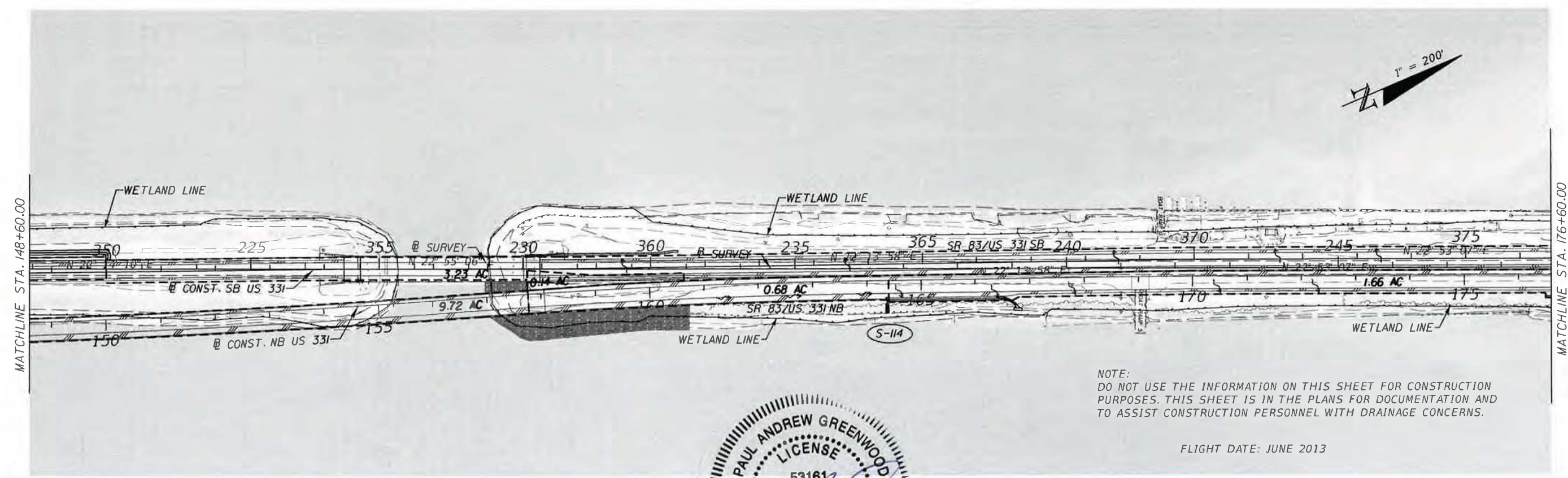
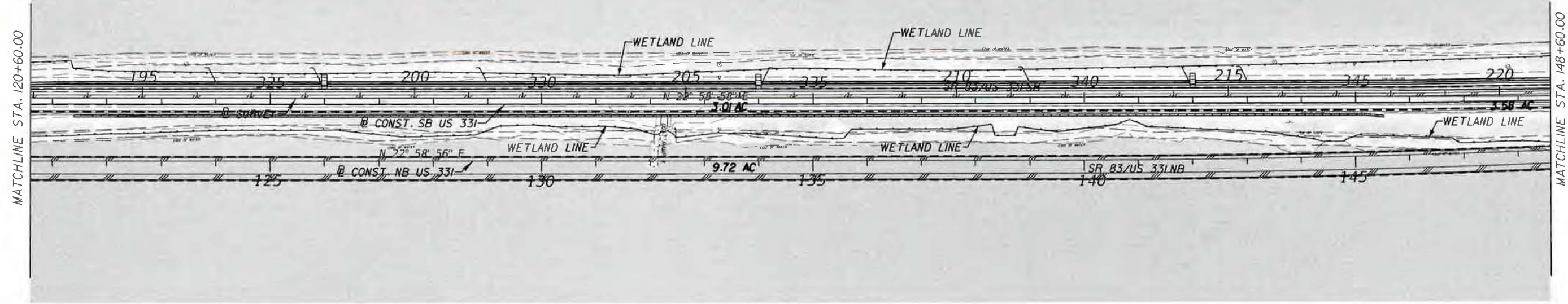
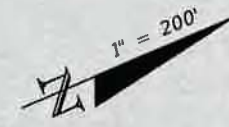
Parsons Brinckerhoff, Inc.  
2202 North West Shore Blvd, Suite 300  
Tampa, Florida 33607  
(813) 520-4444  
Cert. of Auth. No. 01462  
EOR: Andy Greenwood, P.E., No. 17310

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION  
COUNTY: WALTON  
FINANCIAL PROJECT ID: 220664-2-52-01

**DRAINAGE MAP (2)**

SHEET NO.  
3





NOTE:  
DO NOT USE THE INFORMATION ON THIS SHEET FOR CONSTRUCTION PURPOSES. THIS SHEET IS IN THE PLANS FOR DOCUMENTATION AND TO ASSIST CONSTRUCTION PERSONNEL WITH DRAINAGE CONCERNS.

FLIGHT DATE: JUNE 2013

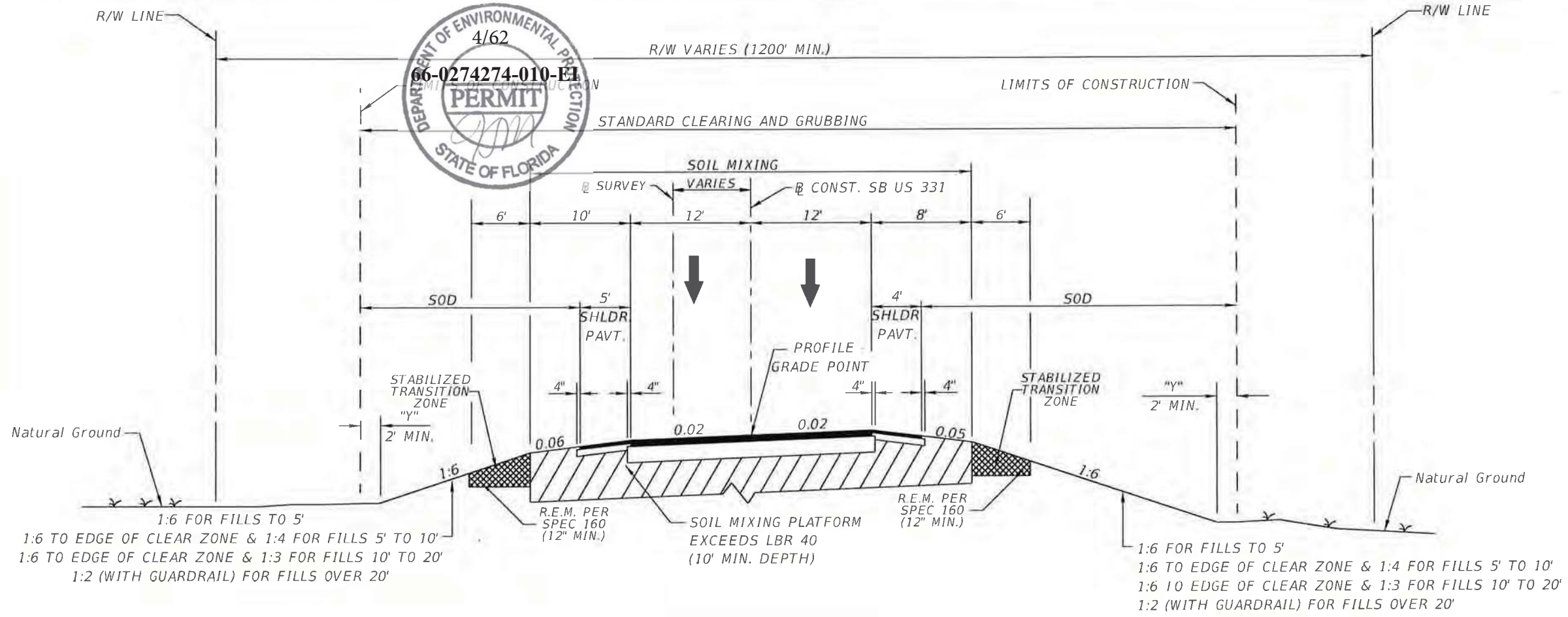


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

Parsons Brinckerhoff Inc. 2202 North West Shore Blvd, Suite 300 Tampa, Florida 33607 (813) 520-4444 Cert. of Auth. No. 01462 EOR: Andy Greenwood, P.E.		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION COUNTY: WALTON FINANCIAL PROJECT ID: 220664-2-52-01	
---	--	--	--

<b>DRAINAGE MAP (3)</b>		SHEET NO. 4
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**TYPICAL SECTION  
SR 83 (US 331)  
STA. 313+51.94 TO STA. 354+66.44  
(CONST. SB US 331)**

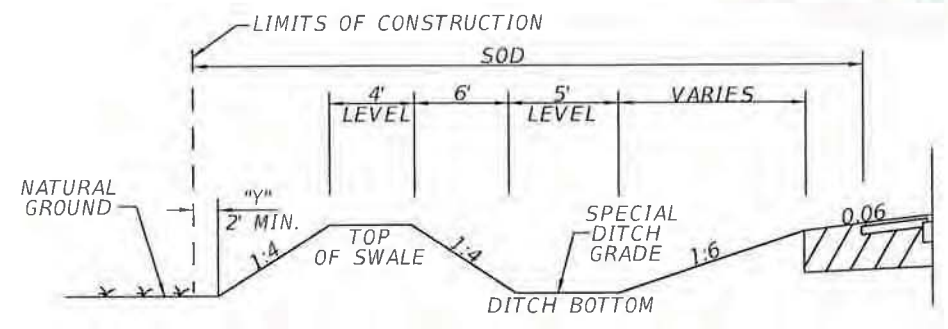
**NEW CONSTRUCTION**  
OPTIONAL BASE GROUP 9 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3 1/2") (PG 76-22, PMA)  
AND FRICTION COURSE FC-5 (3/4") (PG 76-22, PMA)

**SHOULDER PAVEMENT**  
OPTIONAL BASE GROUP 1 WITH  
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2") (PG 76-22)  
AND FRICTION COURSE FC-5 (3/4") (PG 76-22)



**TRAFFIC DATA**  
CURRENT YEAR = 2013 AADT = 12800  
ESTIMATED OPENING YEAR = 2016 AADT = 16000  
ESTIMATED DESIGN YEAR = 2037 AADT = 31900  
K = 9% D = 65.9% T = 7.09% (24 HOUR)  
DESIGN HOUR T = 3.55%  
DESIGN SPEED = 65 MPH  
POSTED SPEED = 55 MPH

- TYPICAL SECTION NOTES:**
1. Static Compaction Only.
  2. At the contractor's option, unpaved shoulders may be constructed of base material.
  3. Refer to Soil Mixing Plans for exact limits of Soil Mixing.
  4. Refer to Shore Protection Plans for details on Shore Protection requirements.
  5. Refer to Typical Section Details for grading above Soil Mixing Elements.
  6. See Soil Mixing Plans for Stabilized Transition Zone details.
  7. Refer to Typical Section Details, Summary of Quantities & Plan Sheets for guardrail placement locations.



**SPECIAL DITCH DETAIL  
STA. 318+00.00 (LT) TO STA. 350+00.00 (LT)**

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  10
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	

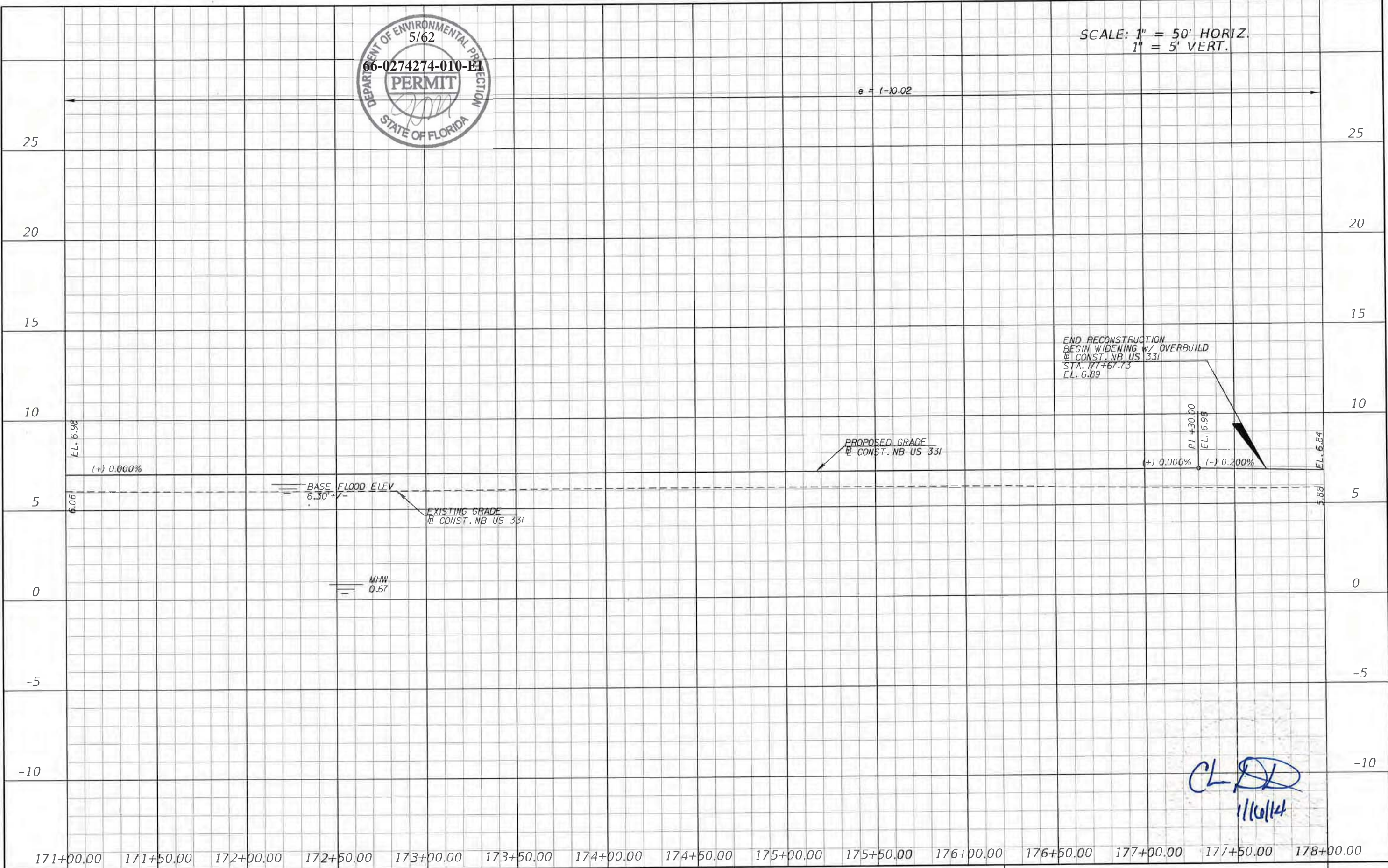
**TYPICAL SECTIONS (5)**





SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.

e = (-)0.02



*CLD*  
1/16/14

REVISIONS		DATE		DESCRIPTION	

Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>PROFILE (24)</b> <b>NB US 331</b>	SHEET NO. 75
ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
83	WALTON	220664-2-52-01					



SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.



100' SE TRANSITION  
(0'-12' LT)  
e = (-)0.039 TO (-)0.02  
100' SE TRANSITION  
(0'-12' RT)  
e = (+)0.039 TO (+)0.02

e = (-)0.02 LT  
e = (+)0.02 RT

BEGIN SE TRANSITION  
STA. 320+15.00

END SE TRANSITION  
STA. 321+15.00

e = (-)0.039 LT  
e = (+)0.039 RT

EL. 5.94

PI +50.00  
EL. 6.74

PROPOSED GRADE  
CONST. SB US 331

(+) 0.000%

BEGIN SPECIAL  
DITCH LEFT  
STA. 318+00.00  
EL. 4.90

EXISTING GRADE  
CONST. SB US 331

SPECIAL DITCH LT

EXISTING GRADE  
CONST. SB US 331

(+) 0.000%

5.97 6.05 6.11 6.18 6.24 6.30 6.35 6.40 6.45 6.49 6.53 6.57 6.60 6.63 6.66 6.68 6.70 6.71 6.73 6.73 6.74

MHW  
0.67

450' V.C.  
K=1124

+75.00 EL. 6.74

*Handwritten signature and date: 1/16/14*

317+50.00 318+00.00 318+50.00 319+00.00 319+50.00 320+00.00 320+50.00 321+00.00 321+50.00 322+00.00 322+50.00 323+00.00 323+50.00 324+00.00 324+50.00

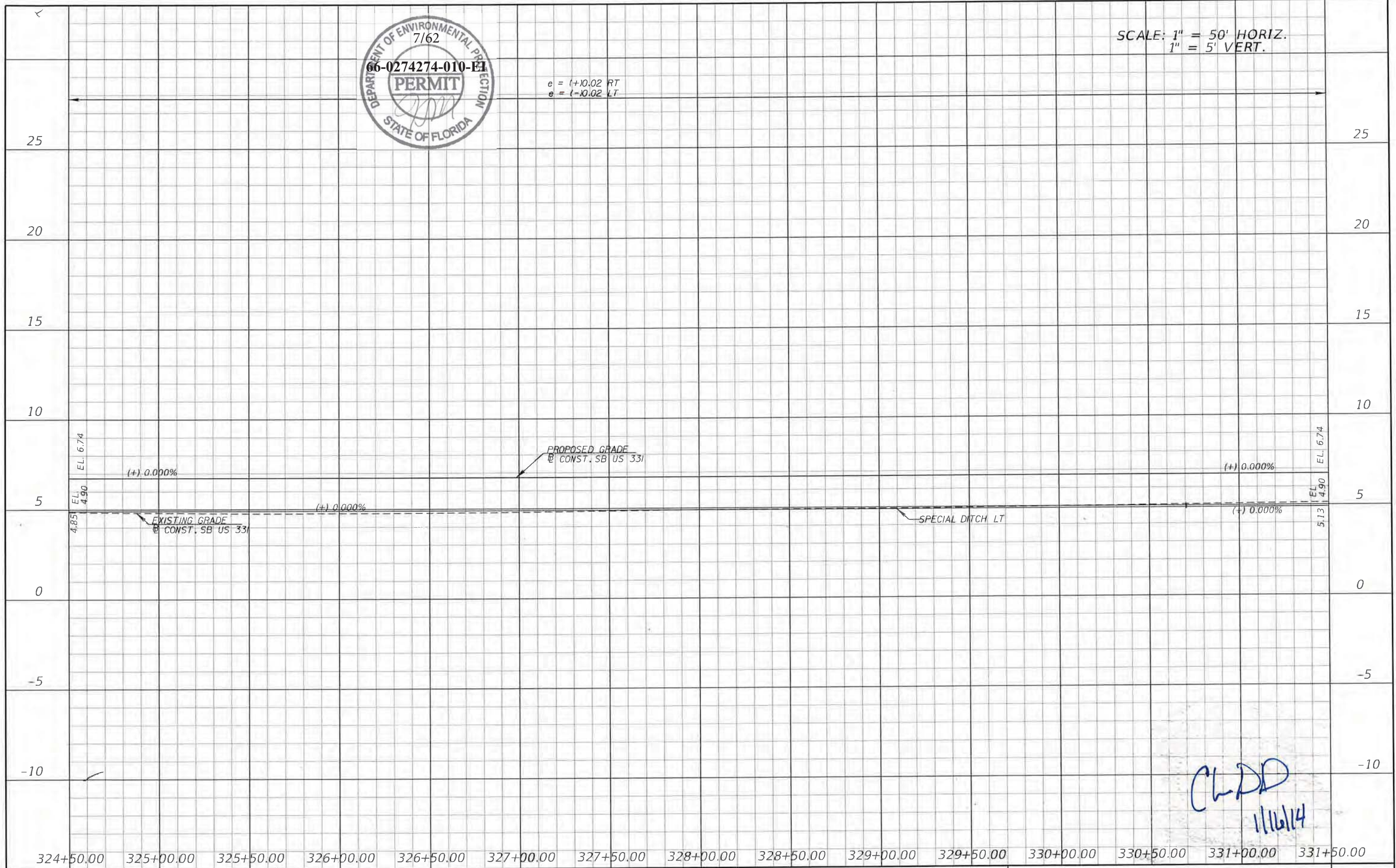
REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE (33) SB US 331	SHEET NO. 84
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					83	WALTON	220664-2-52-01		





e = (+)10.02 RT  
e = (-)10.02 LT

SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.



*Handwritten signature and date:*  
C. D. Davis  
1/16/14

324+50.00 325+00.00 325+50.00 326+00.00 326+50.00 327+00.00 327+50.00 328+00.00 328+50.00 329+00.00 329+50.00 330+00.00 330+50.00 331+00.00 331+50.00

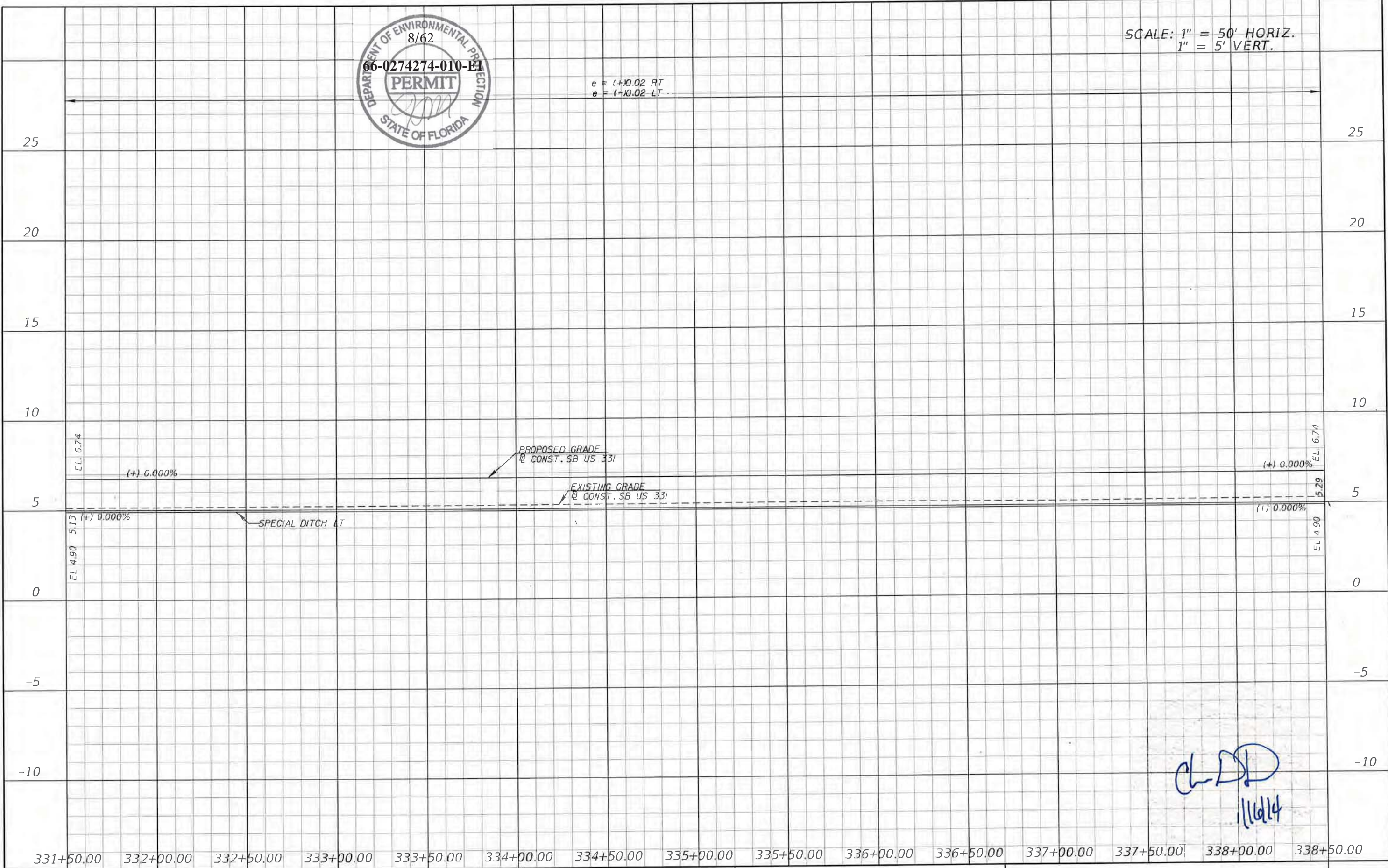
REVISIONS		DESCRIPTION		Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE (31) SB US 331	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
						83	WALTON		220664-2-52-01





SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.

e = (+)10.02 RT  
e = (-)10.02 LT



*Handwritten signature and date: CDD 1/16/14*

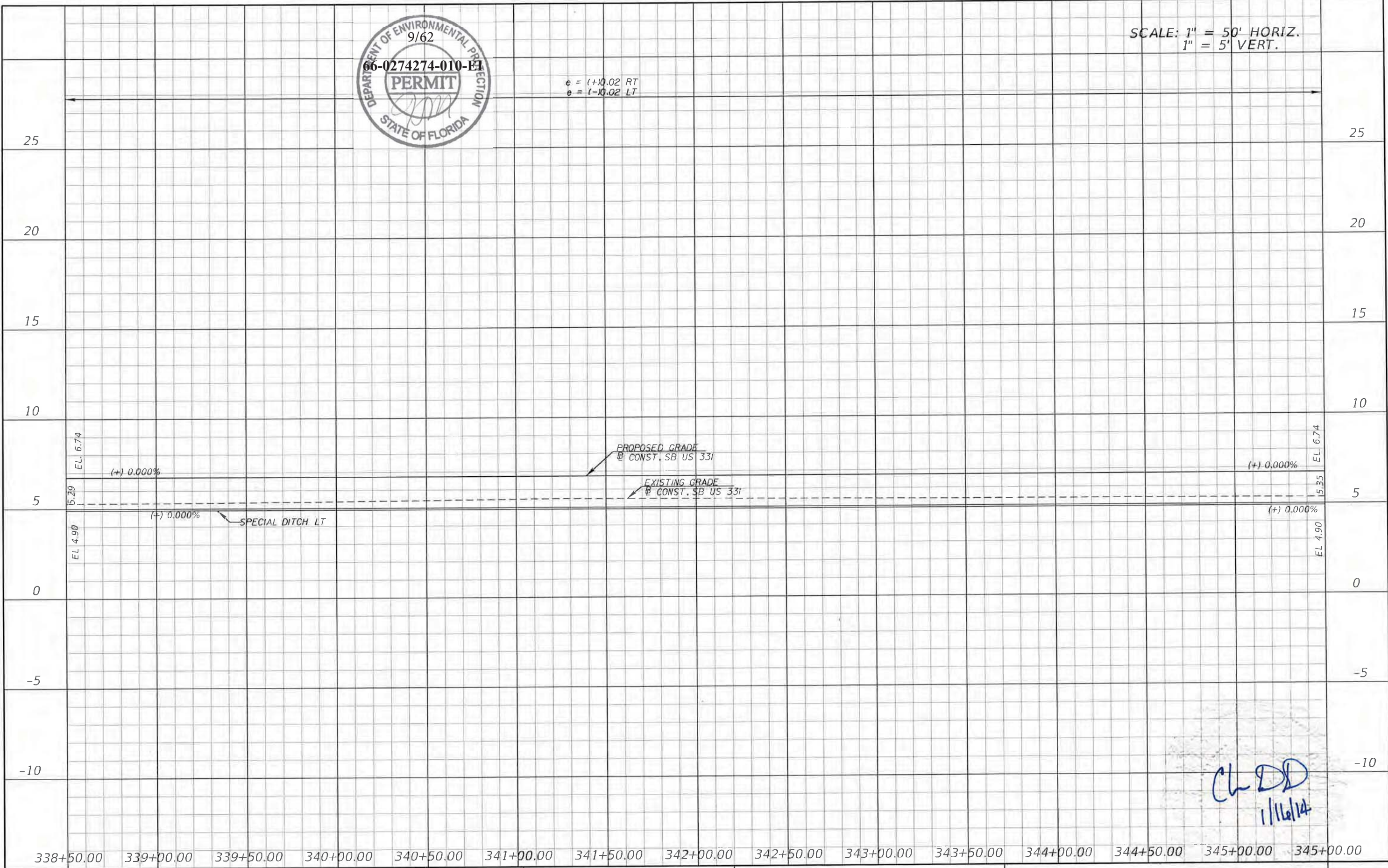
REVISIONS		DESCRIPTION		DATE	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.		
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID			
								83	WALTON	220664-2-52-01	86





SCALE: 1" = 50' HORIZ.  
1" = 5' VERT.

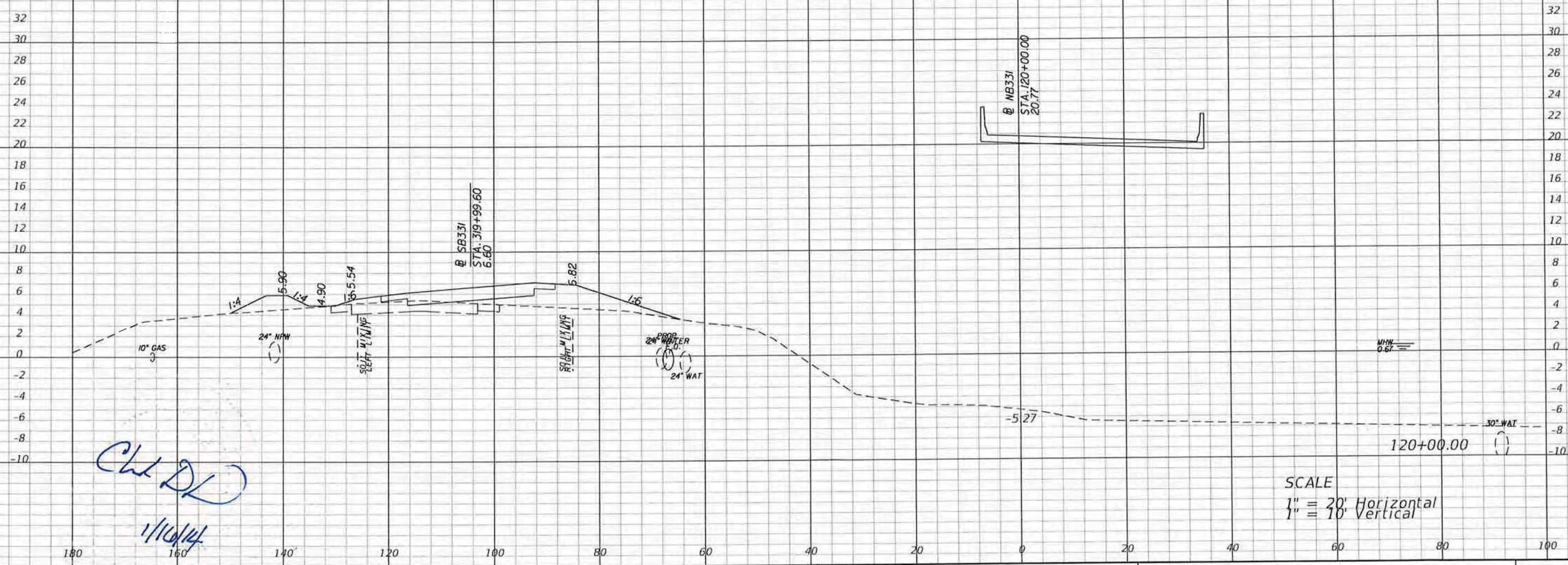
e = (+)0.02 RT  
e = (-)0.02 LT



*Handwritten signature:* Ch DD  
1/16/14

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PROFILE (36) SB US 331	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					83	WALTON	220664-2-52-01		87





CHL DL  
1/10/14

SCALE  
1" = 30' Horizontal  
1" = 3' Vertical

REVISIONS	
DATE	DESCRIPTION

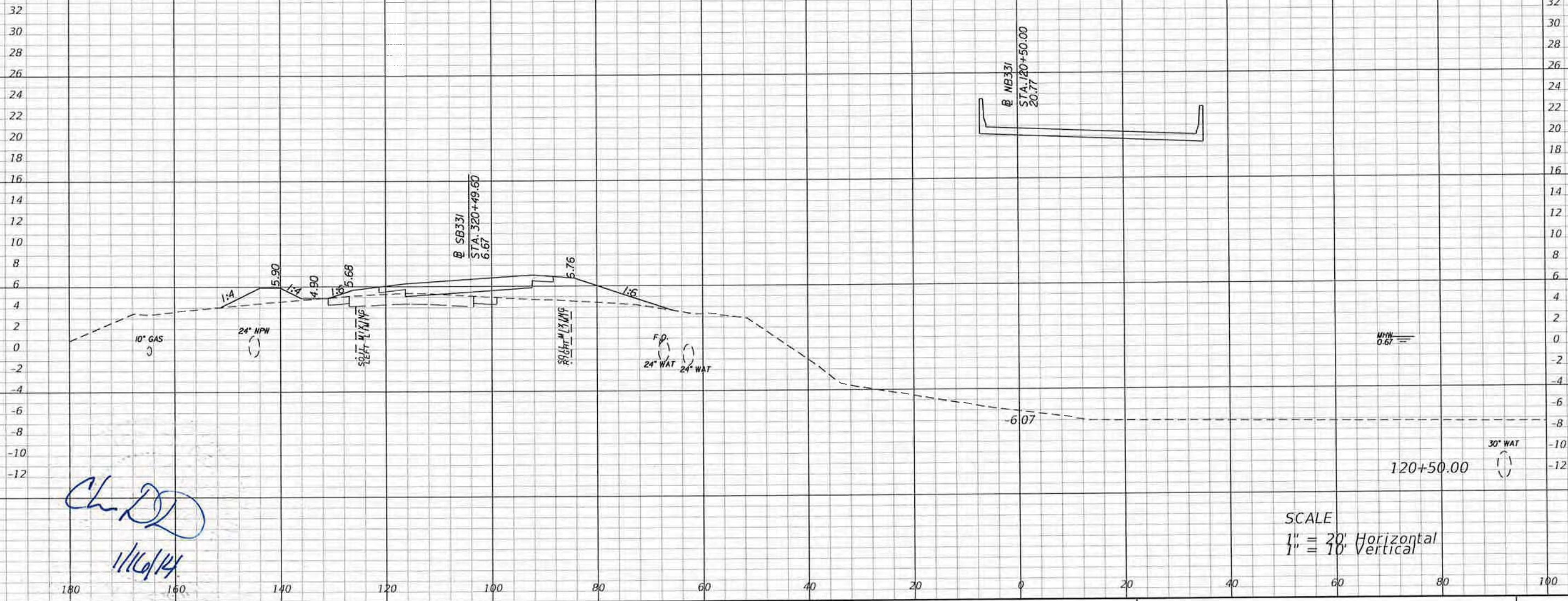
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
169





*Ch. D.D.*  
11/16/14

SCALE  
1" = 30' Horizontal  
1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION

Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

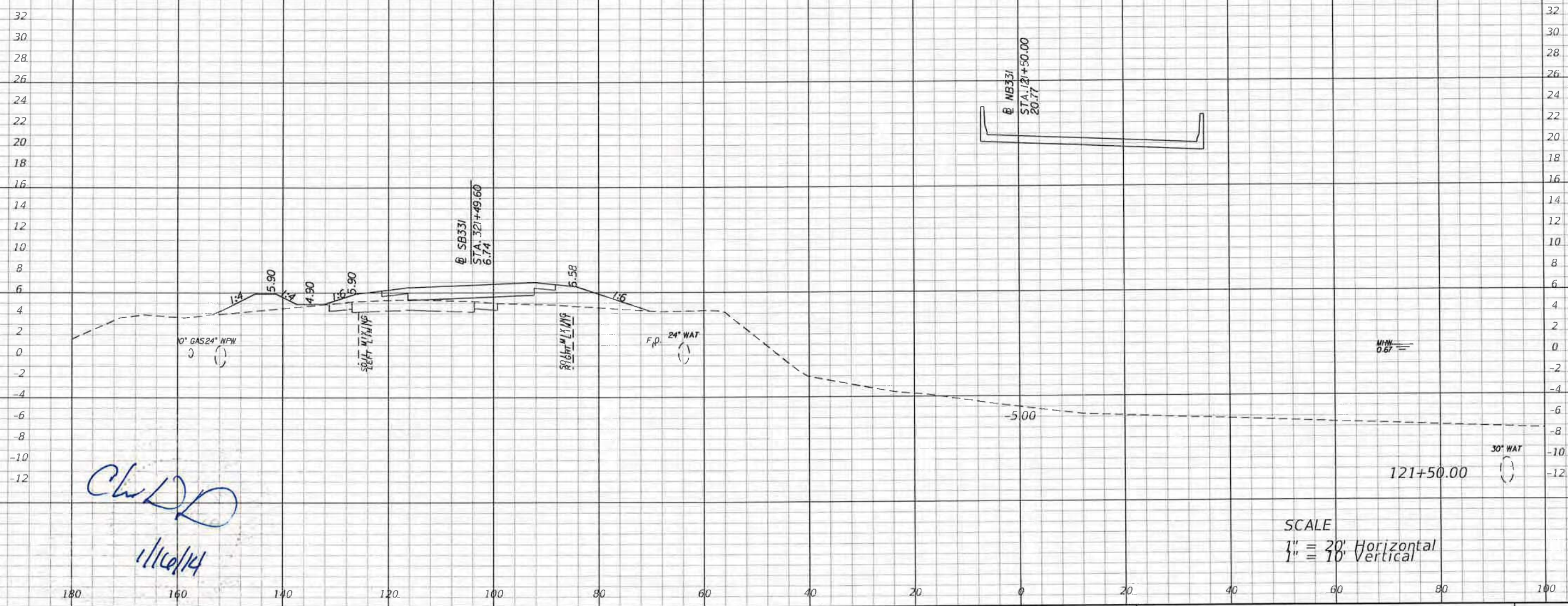
**CROSS SECTIONS**

SHEET NO.  
170









SCALE  
 1" = 30' Horizontal  
 1" = 30' Vertical

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 172
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				83	WALTON	220664-2-52-01		

Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D Davis, P.E. No. 63070



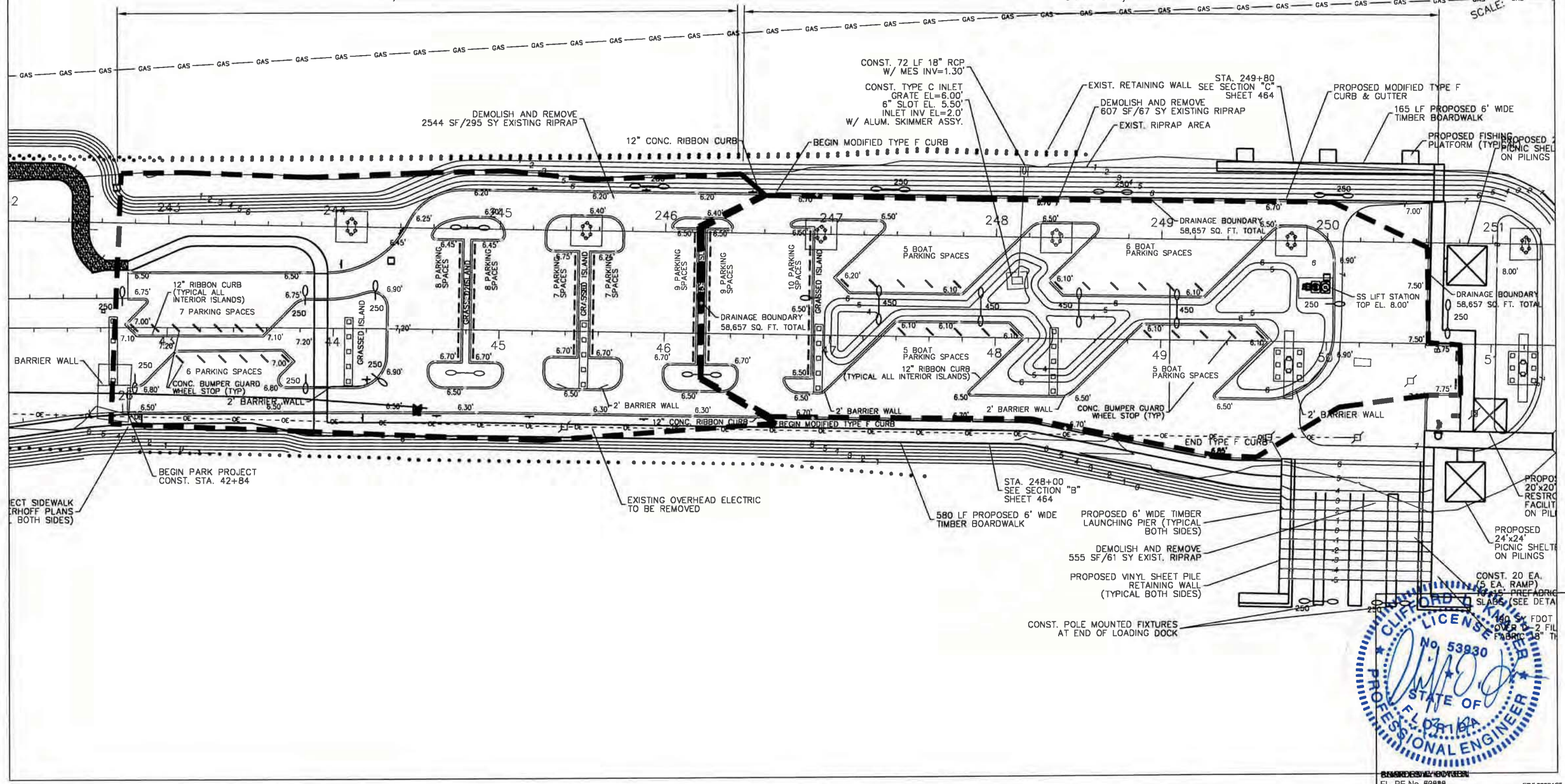
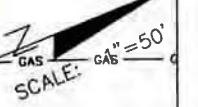






BASIN B-1  
AREA 1.34  
OR 58,863 SF

BASIN B-1  
AREA 1.34 AC  
OR 58,657 SF



NO.	DATE	APPR.	REVISION:
1	12-19-13	CLK	ADDED BASIN B-1 AND B-2 DELINEATION
2	12-21-13		
3			
4			
5			

**PREBLE-RISH, INC.**  
CONSULTING ENGINEERS  
CIVIL • SURVEYING • SITE PLANNING

324 MARINA DRIVE, PORT ST. JOE, FL 32450 (850) 227-7200  
203 ABERDEEN PARKWAY, PANAMA CITY, FL 32405 (850) 522-0844  
20587 CENTRAL AVE. EAST, BLOUNTSTOWN, FL 32424 (850) 674-3300  
877 COUNTY ROAD 303, SANTA ROSA BEACH, FL 32450 (850) 267-0750

**STORMWATER BASIN DELINEATION MAP**  
**SR-83 CHOCTAWHATCHEE BAY BRIDGE**

DATE:	PROJECT NO.
SCALE:	827.001
DRAWN:	SHEET
CHECKED:	S-3













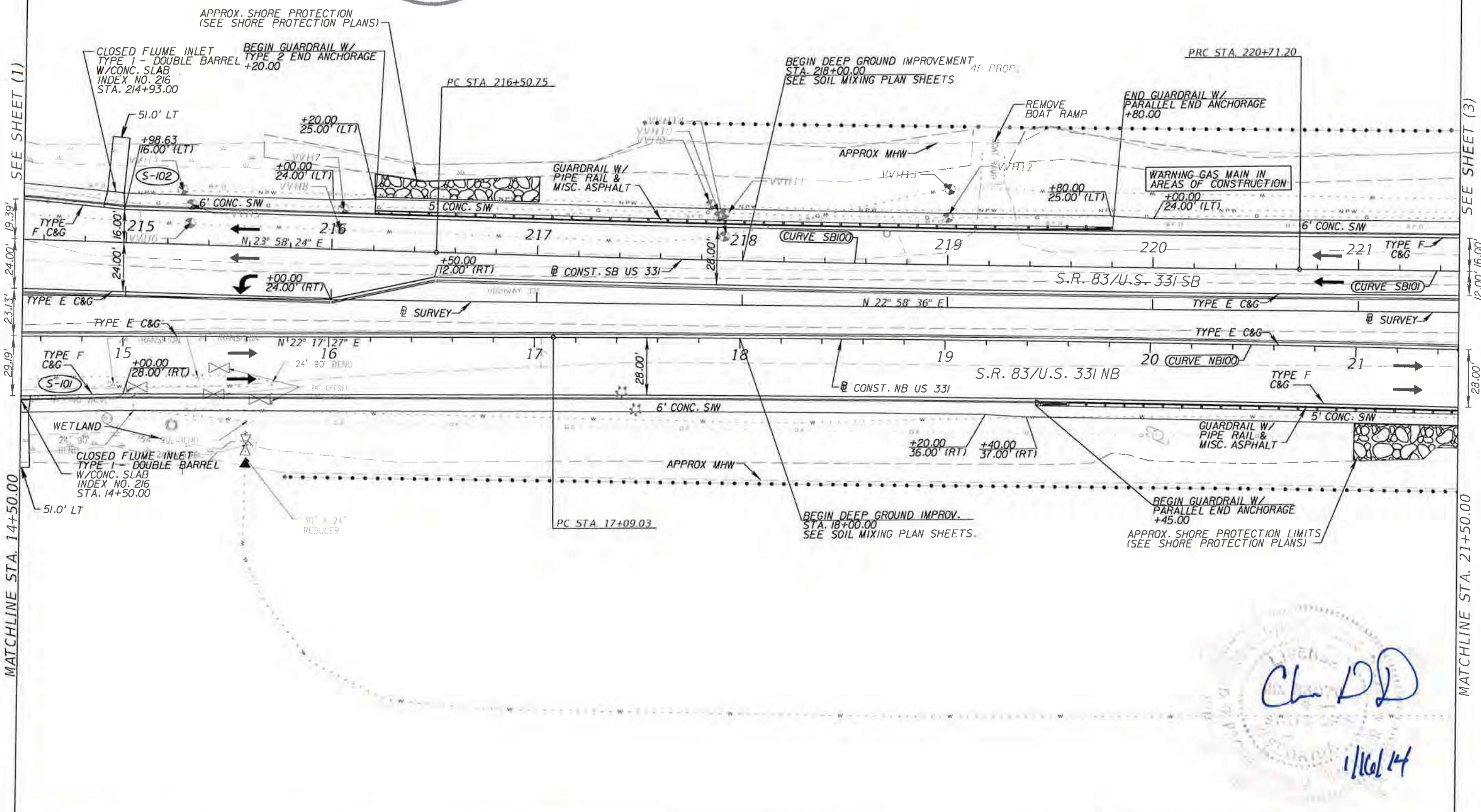












MATCHLINE STA. 14+50.00

MATCHLINE STA. 21+50.00

SEE SHEET (1)

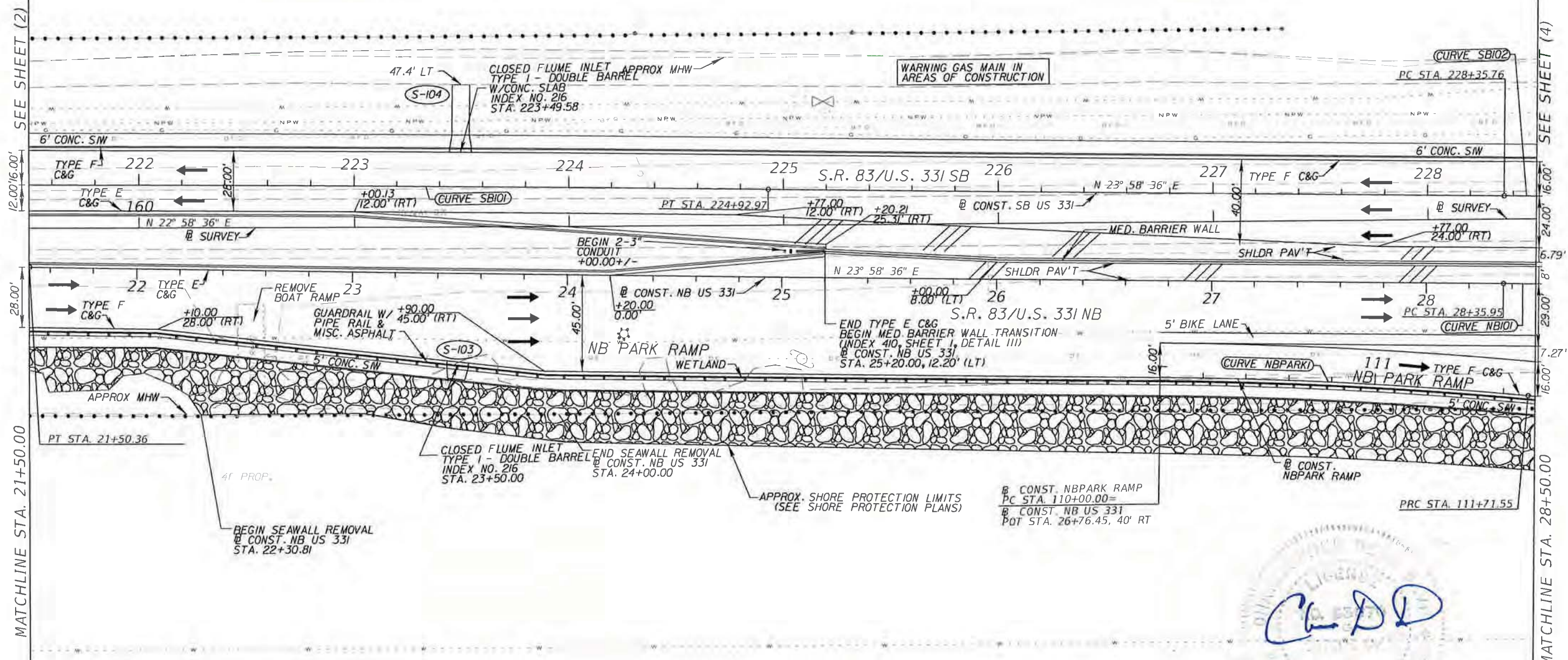
SEE SHEET (3)

Ch DD

1/16/14

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN (2)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		26
					83	WALTON	220664-2-52-01		



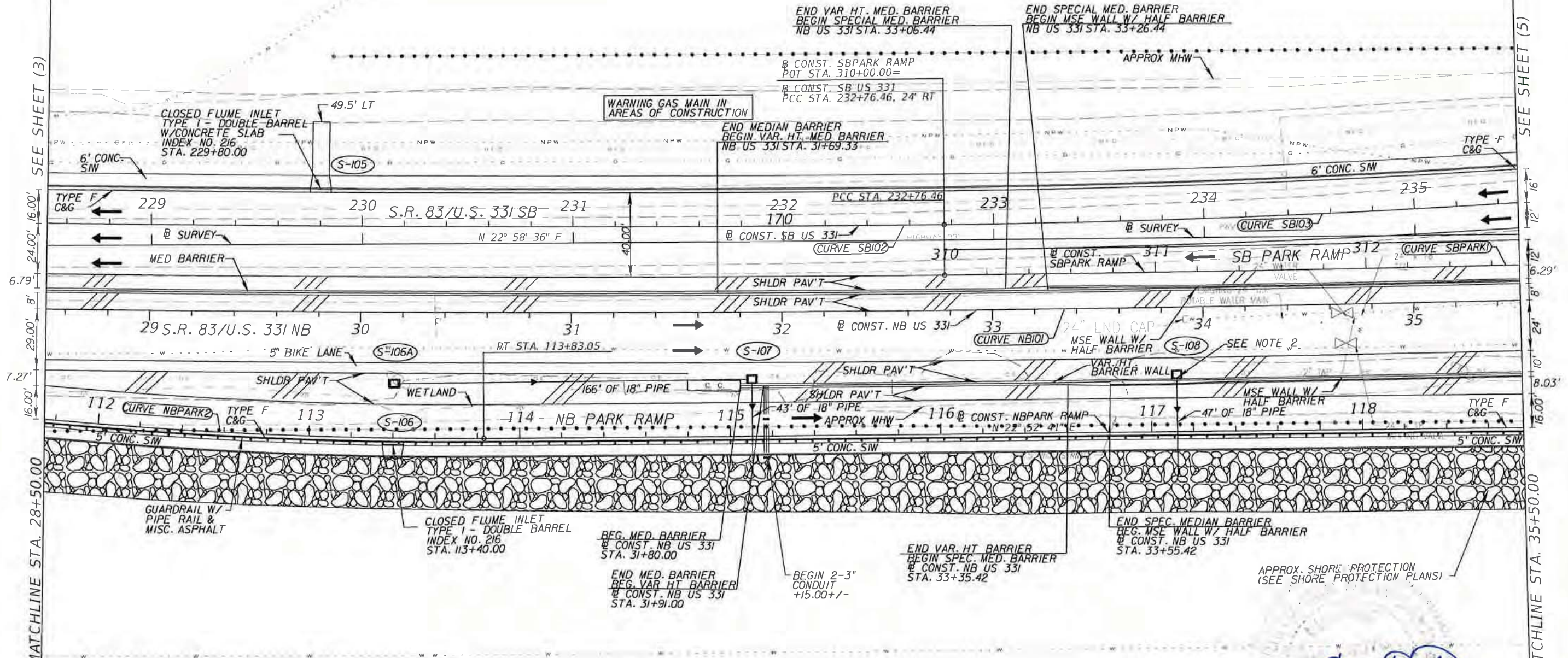


LEGEND	
///	PAVED SHOULDER

*Handwritten signature: C. Davis*  
*Handwritten date: 1/16/14*

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PLAN (3)</b>  27
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	





SEE SHEET (3)

SEE SHEET (5)

MATCHLINE STA. 28+50.00

MATCHLINE STA. 35+50.00

LEGEND	
	PAVED SHOULDER

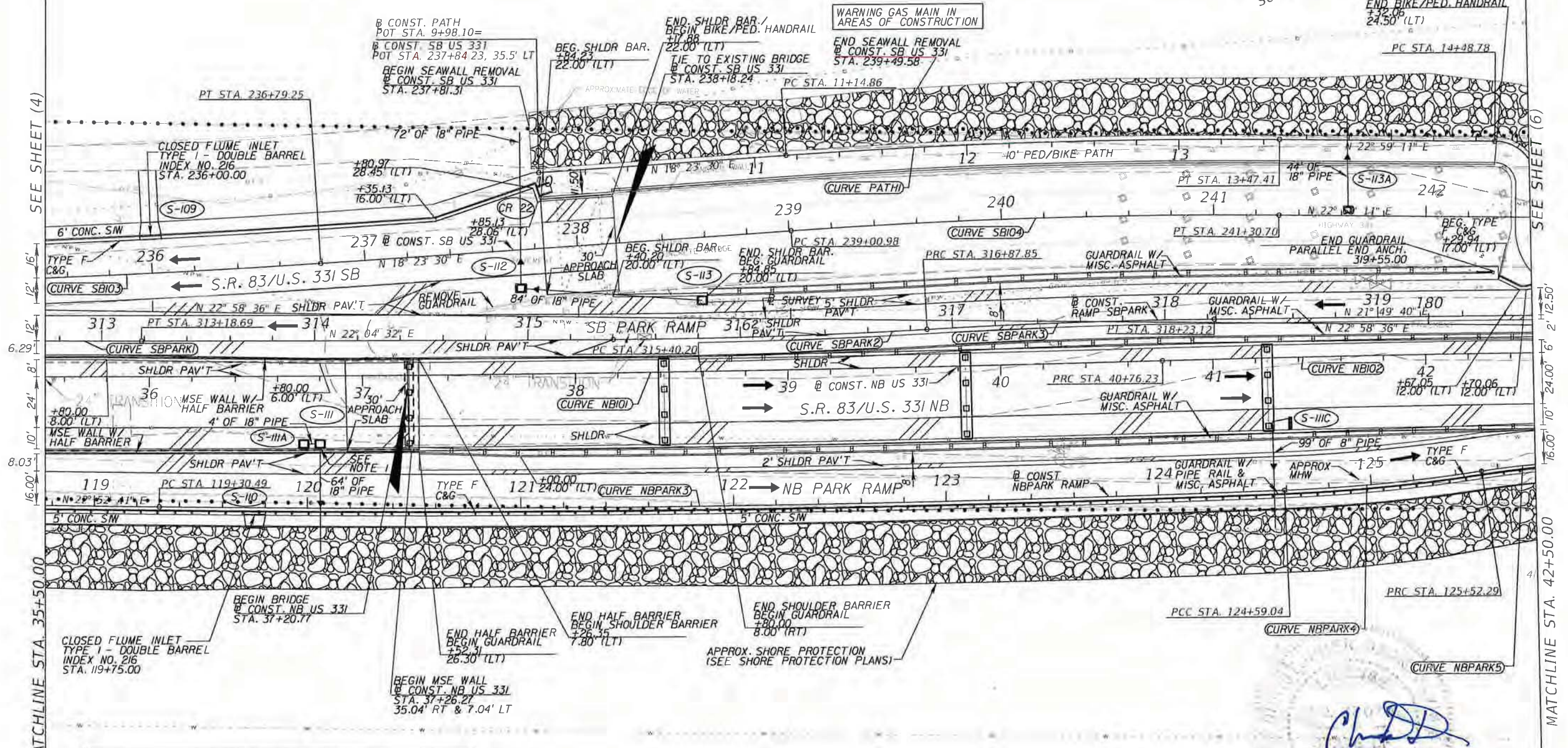
NOTES: 1. FOR SPECIAL MEDIAN BARRIER DESIGN, SEE RETAINING WALL PLANS.  
 2. FOR MSE WALL TRAFFIC RAILING DETAILS ADJACENT TO DRAINAGE STRUCTURES, REFER TO INDEX 620I.

Ch DD

1/16/14

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PLAN (4)</b>  28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				83	WALTON	220664-2-52-01		





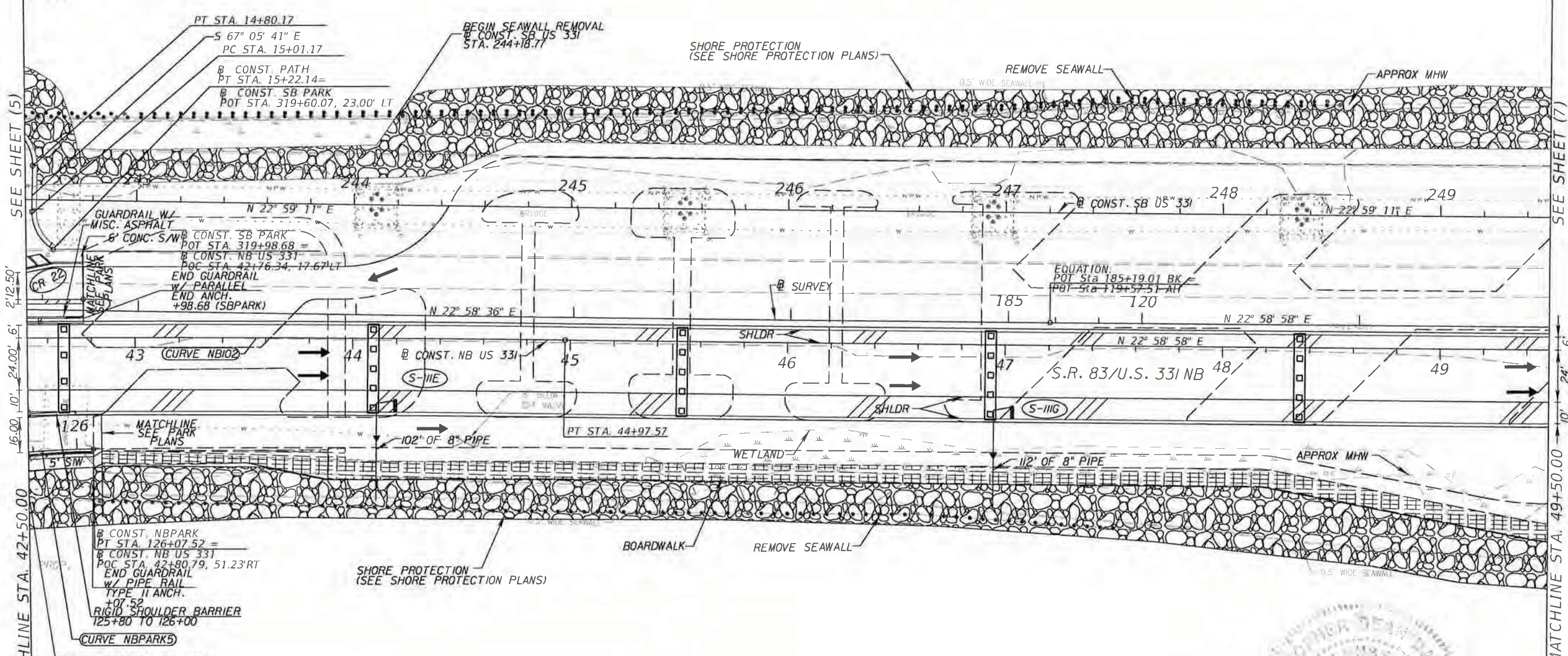
LEGEND	
	PAVED OR BRIDGE SHOULDER

NOTE: 1. FOR MSE WALL TRAFFIC RAILING DETAILS ADJACENT TO DRAINAGE STRUCTURES, REFER TO INDEX 6201.

*Handwritten signature: CDD*  
*Handwritten date: 1/16/14*

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PLAN (5)</b>  29
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	





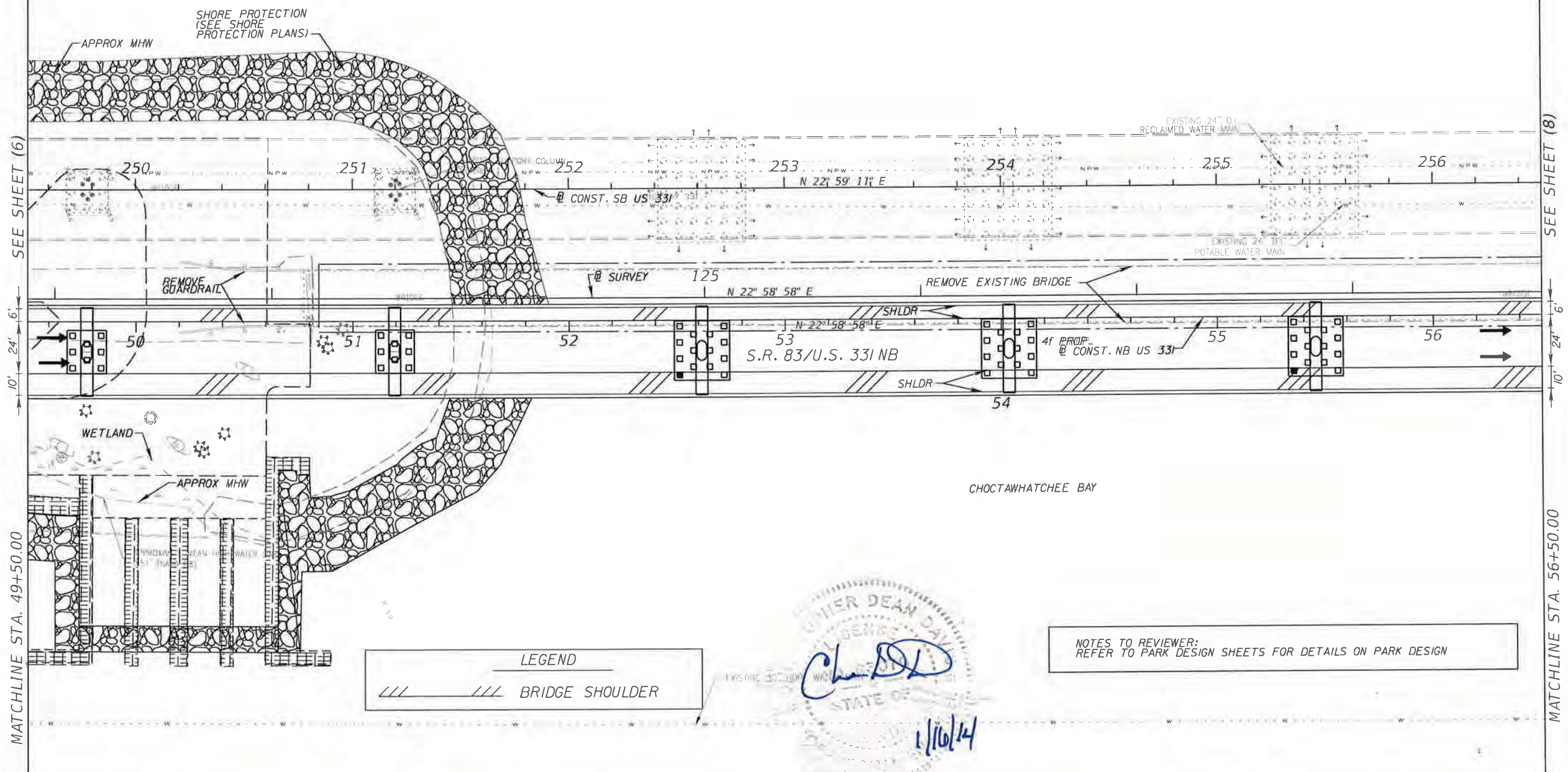
LEGEND	
	PAVED OR BRIDGE SHOULDER
	BOARDWALK (SEE "PARK" PLANS)

REFER TO PARK DESIGN SHEETS FOR DETAILS ON PARK DESIGN

Handwritten signature: *Ch DD*  
 Date: *1/16/14*

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN (6)	SHEET NO. 30
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					83	WALTON	220664-2-52-01		





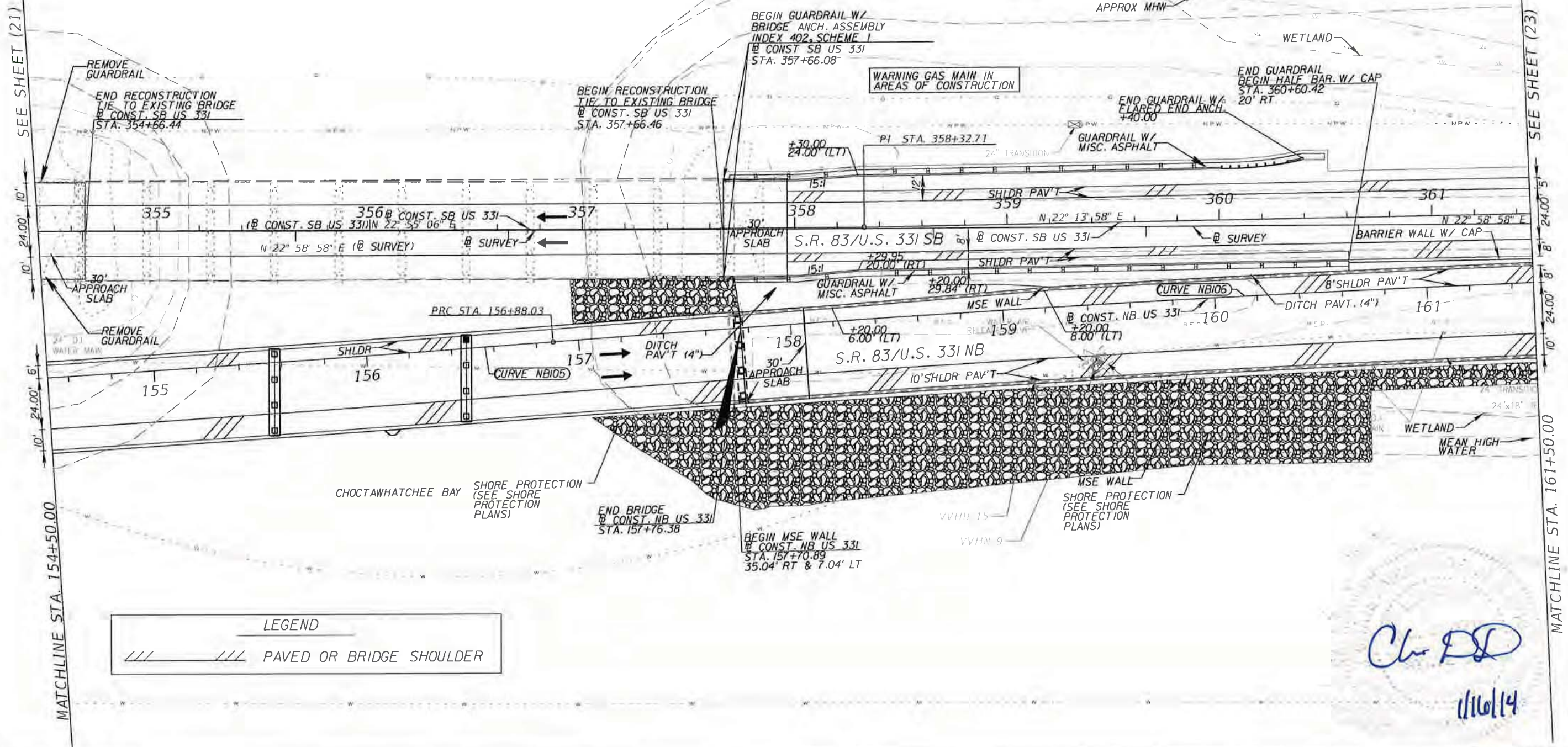
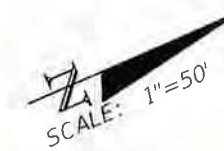
LEGEND	
	BRIDGE SHOULDER

NOTES TO REVIEWER:  
REFER TO PARK DESIGN SHEETS FOR DETAILS ON PARK DESIGN



REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				83	WALTON	220664-2-52-01	31



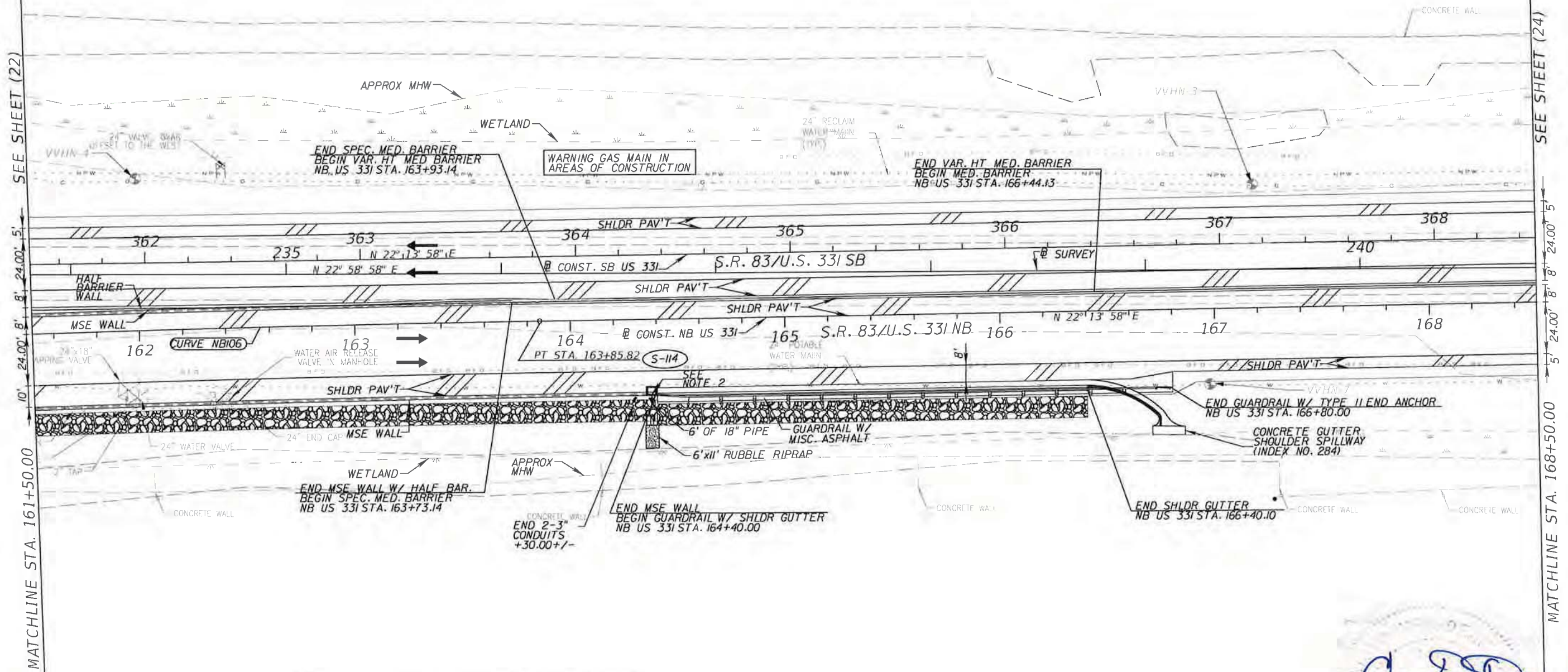


*Ch D*  
1/16/14

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	FINANCIAL PROJECT ID	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
				ROAD NO. 83	COUNTY WALTON	46
				220664-2-52-01		

PLAN (22)





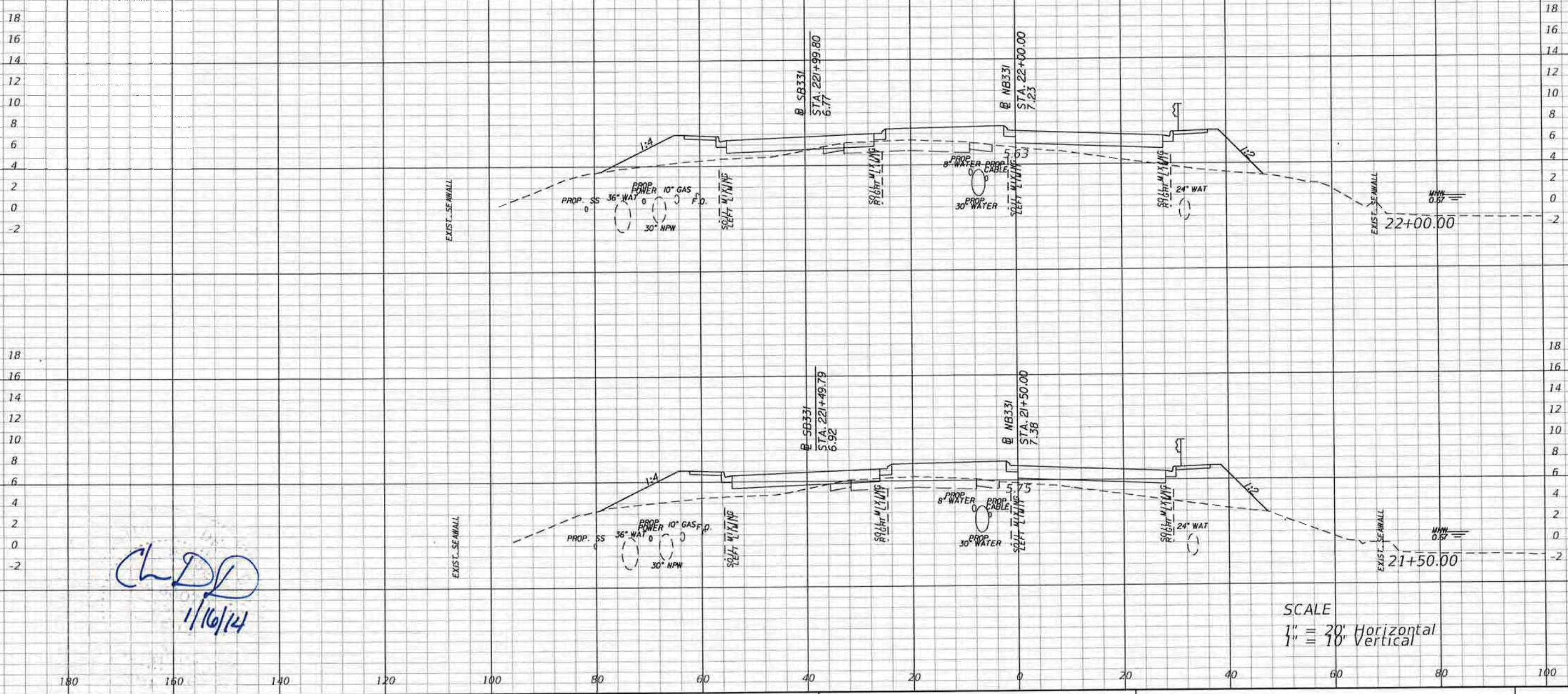
LEGEND	
	PAVED SHOULDER

NOTES: 1. FOR SPECIAL MEDIAN BARRIER DESIGN, SEE RETAINING WALL PLANS  
 2. FOR MSE WALL TRAFFIC RAILING DETAILS ADJACENT TO DRAINAGE STRUCTURES, REFER TO INDEX 6201.

*Chris D. Davls*  
 1/16/14

REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davls, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			PLAN (23)	SHEET NO. 47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					83	WALTON	220664-2-52-01		





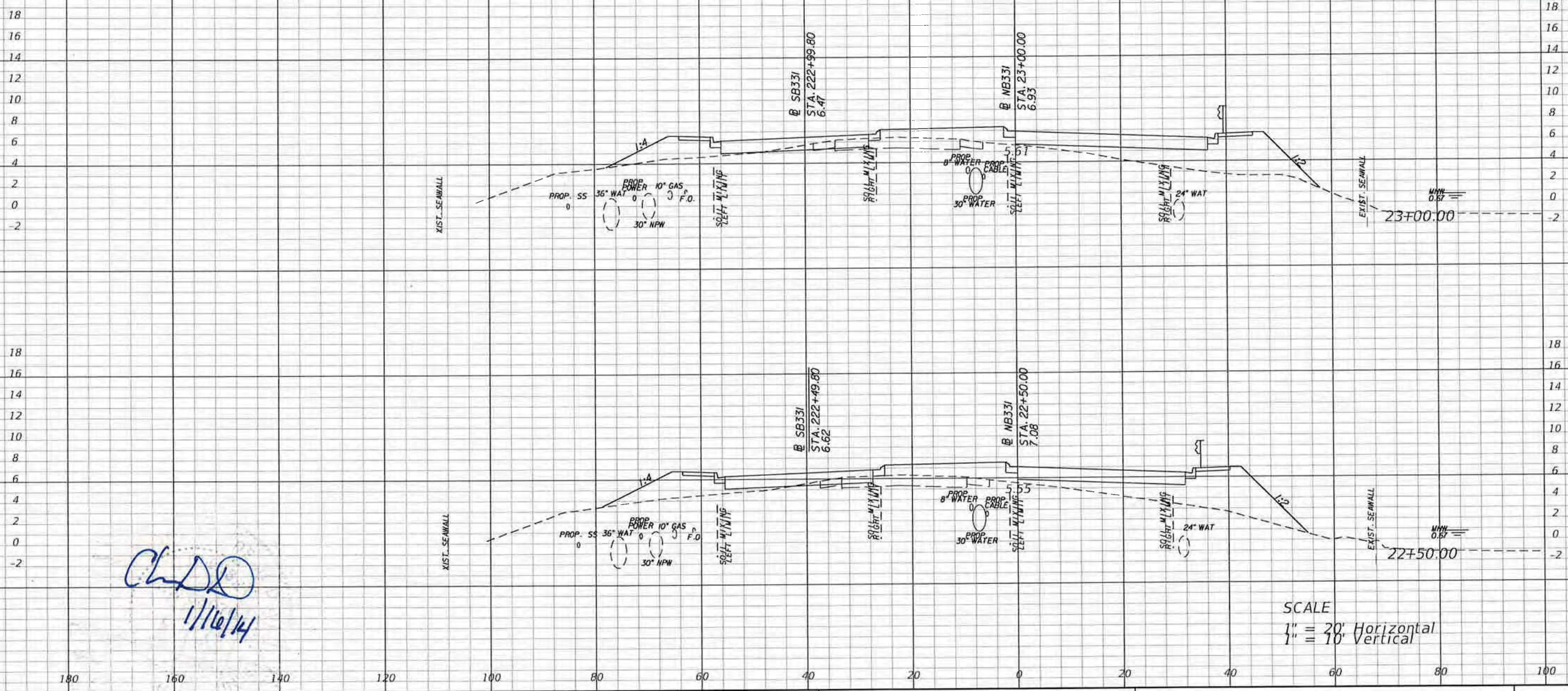
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*Handwritten date: 1/16/14*

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REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD NO. 83    COUNTY WALTON    FINANCIAL PROJECT ID 220664-2-52-01	SHEET NO. 127
DATE	DESCRIPTION	DATE	DESCRIPTION		

Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D. Davis, P.E. No. 63070





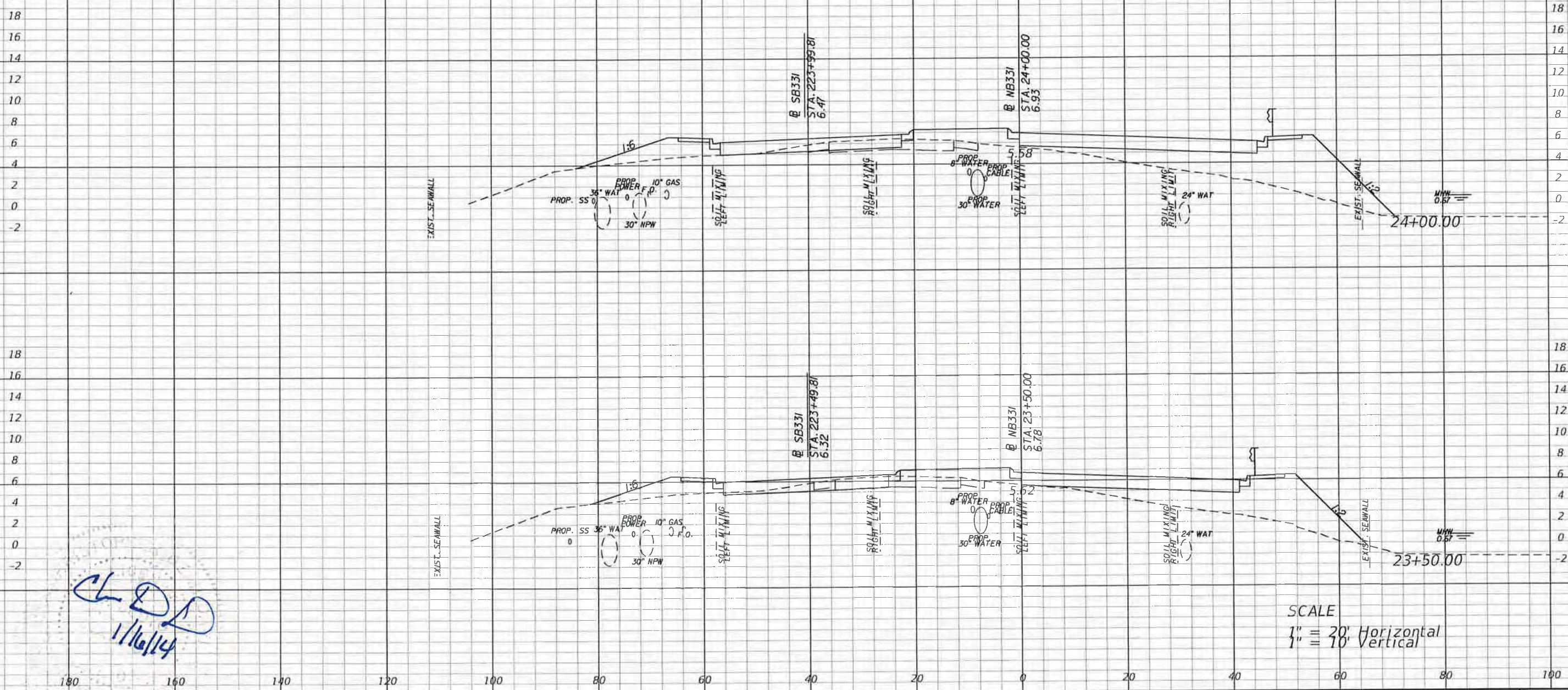
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 C.D.S.  
 1/16/14

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				83	WALTON	220664-2-52-01	128

Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D Davis, P.E. No. 63070

**CROSS SECTIONS**





*CLD*  
1/16/14

SCALE  
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REVISIONS	
DATE	DESCRIPTION

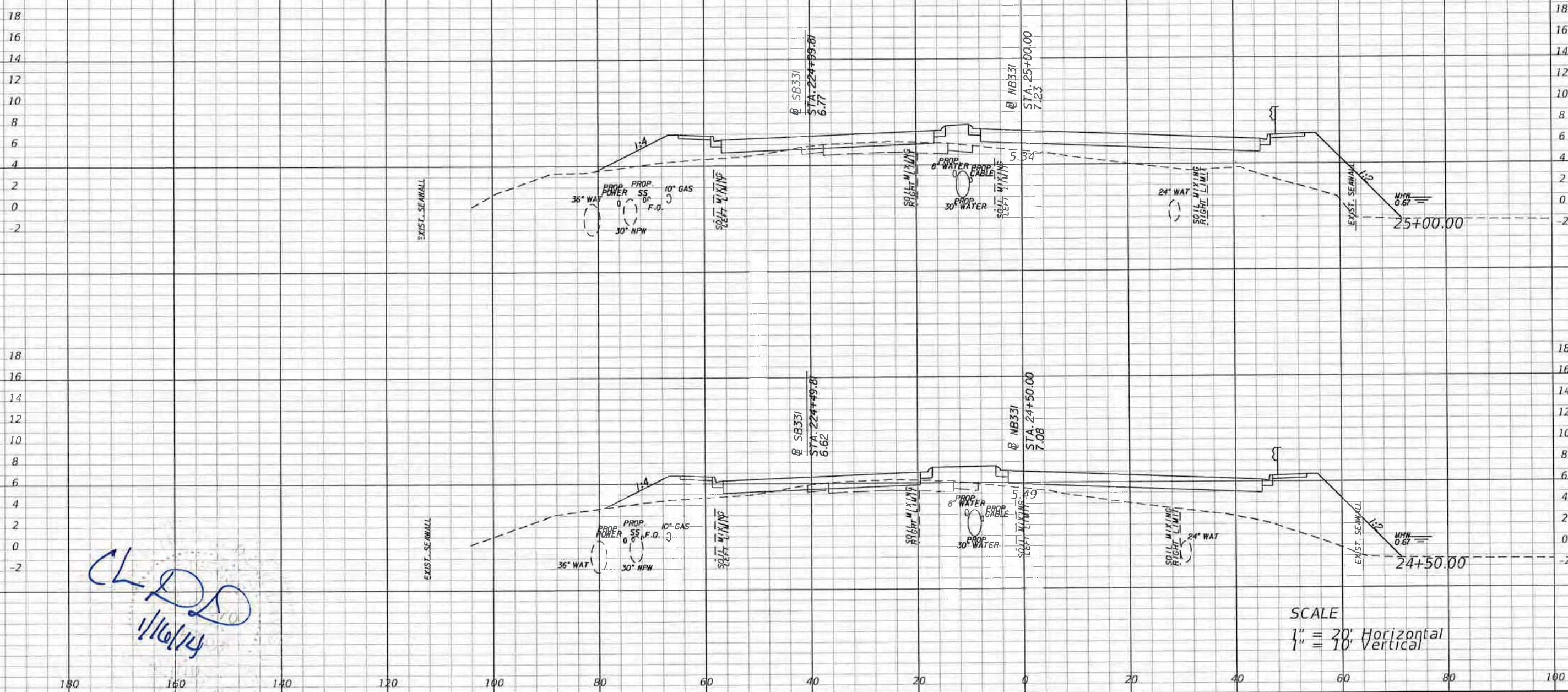
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.
129





*CLPD*  
1/16/14

SCALE  
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REVISIONS			
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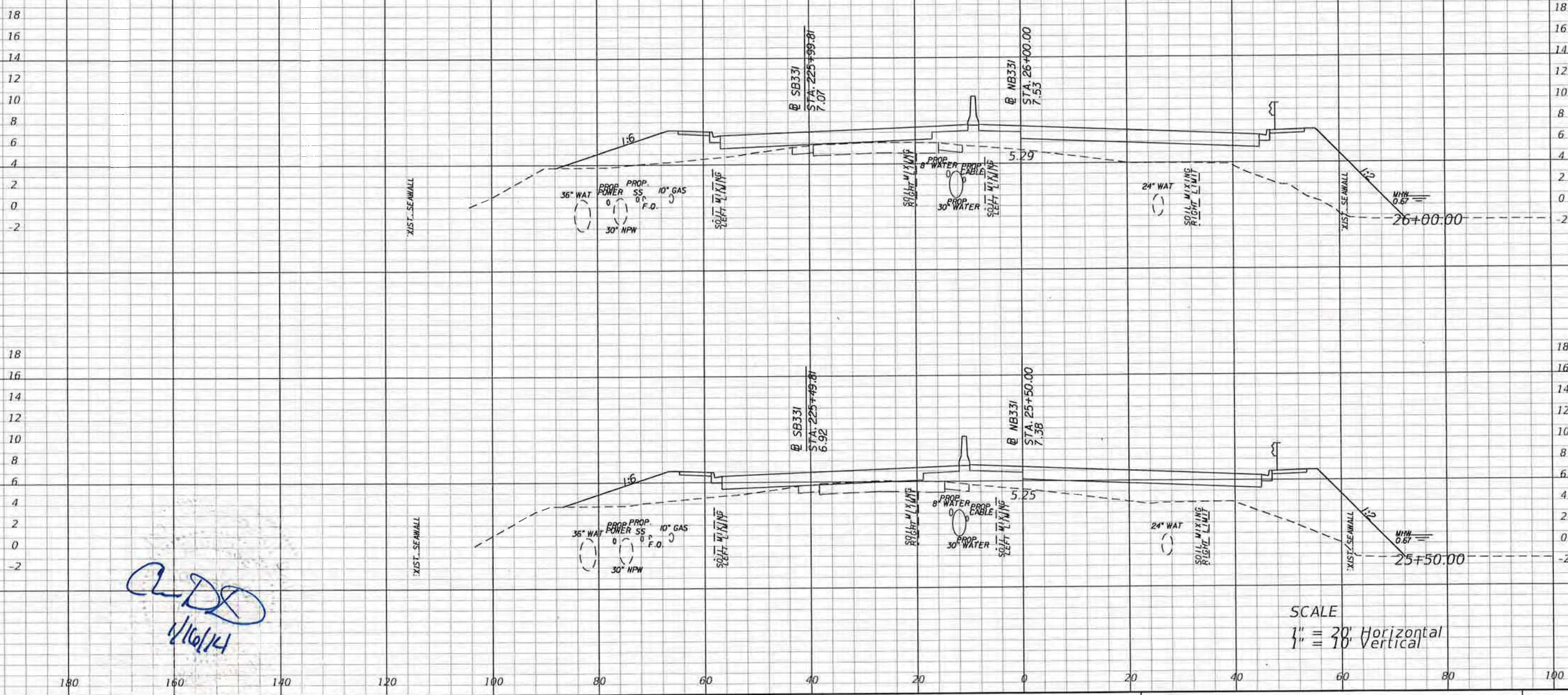
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
130





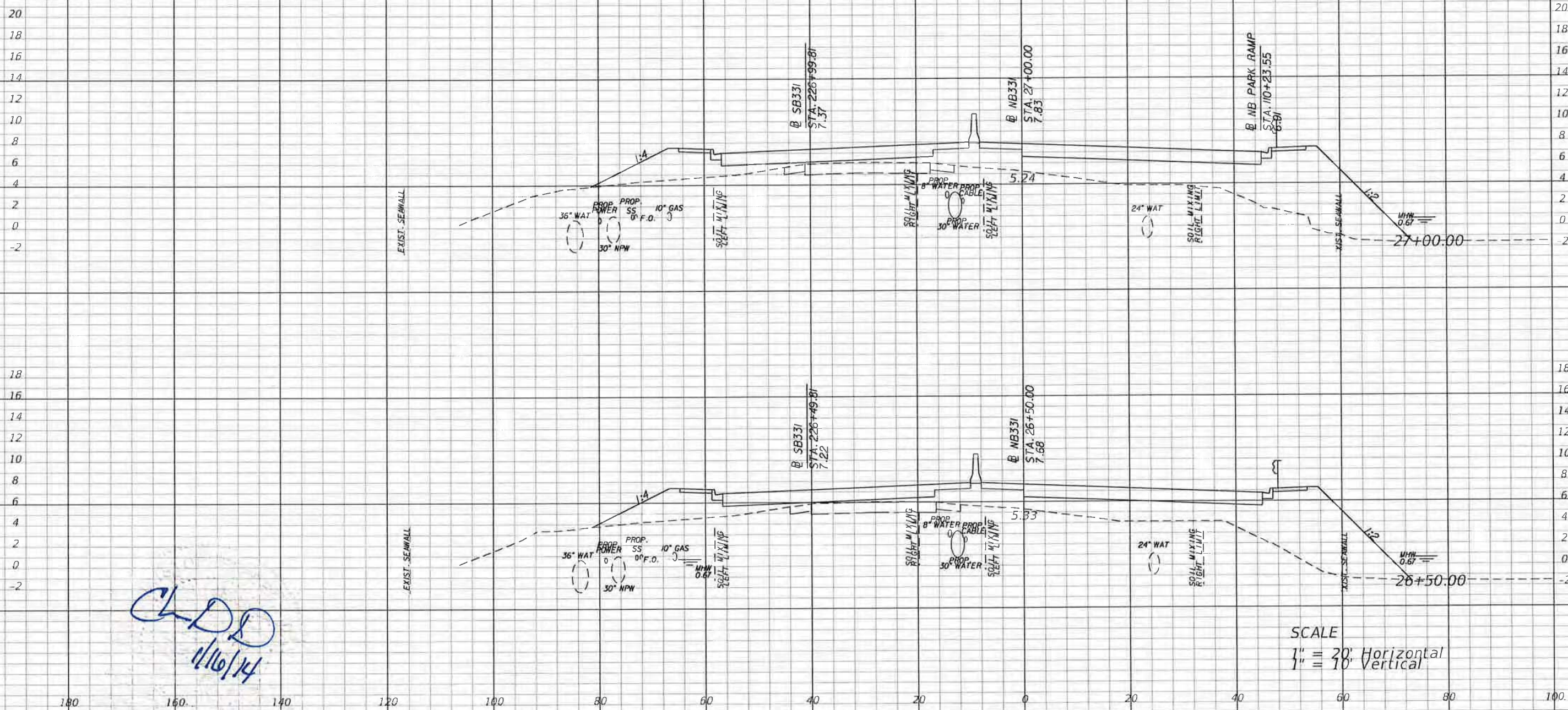
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1/16/14

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REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				83	WALTON	220664-2-52-01	131

Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070





CLDD  
11/10/14

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REVISIONS	
DATE	DESCRIPTION

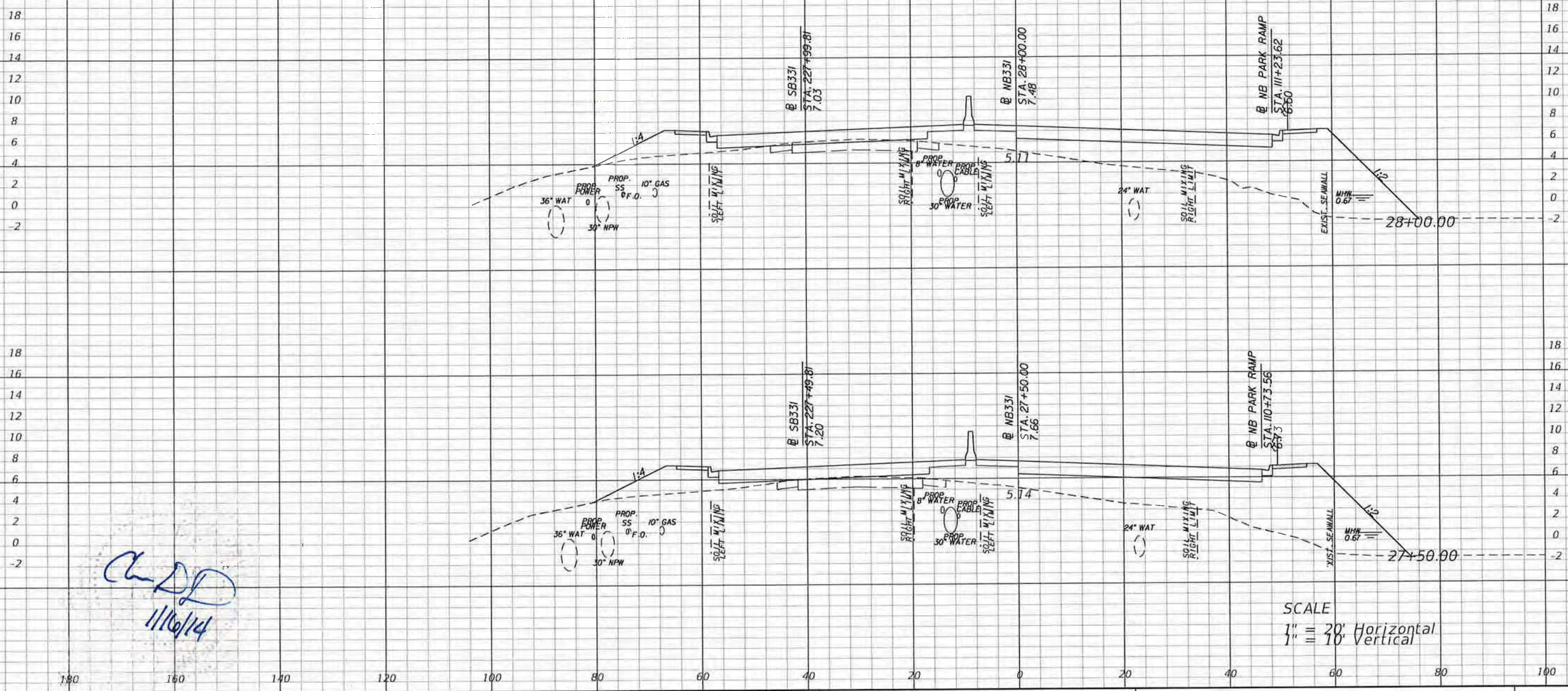
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
132





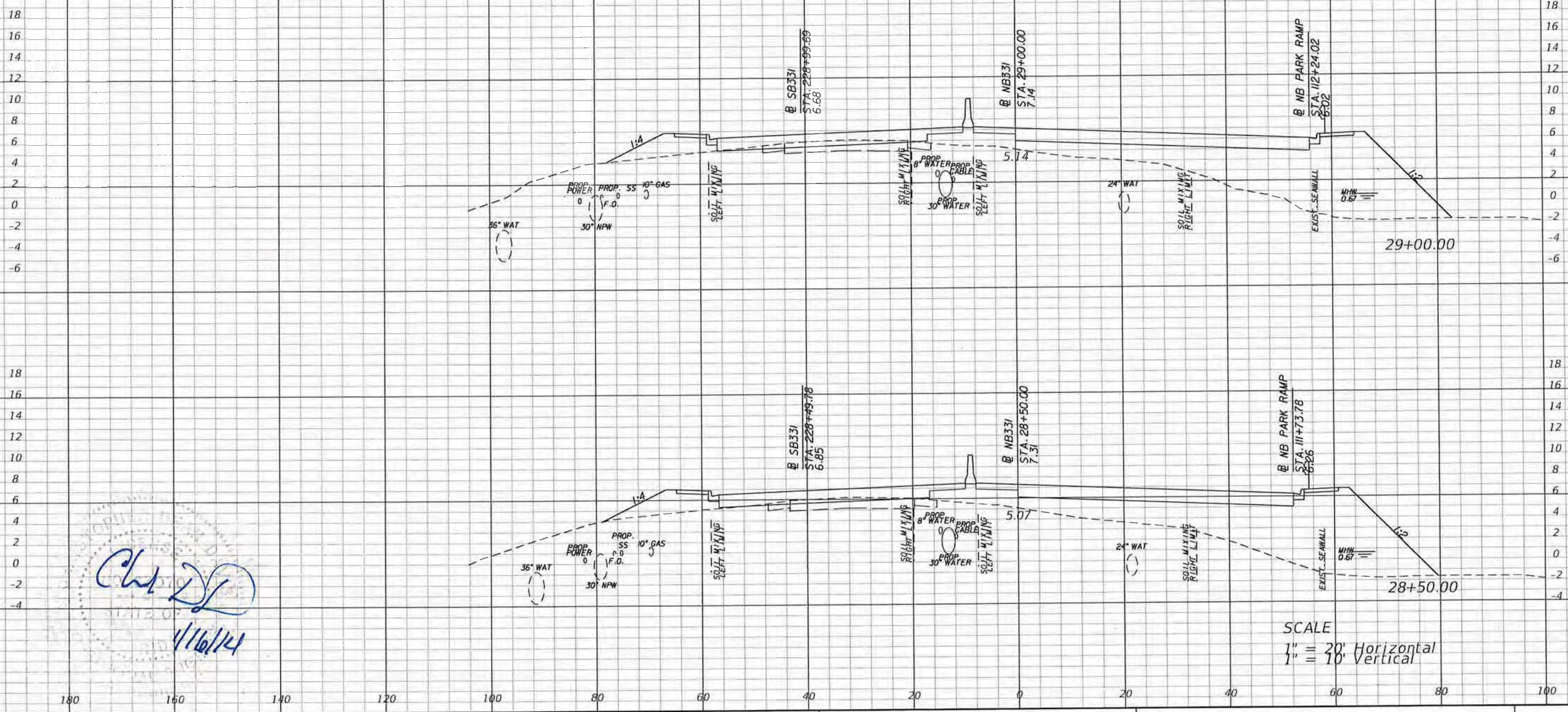
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11/6/14

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DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				83	WALTON	220664-2-52-01		

Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070





*Chris D. Davis*  
1/16/14

SCALE  
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1" = 30' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

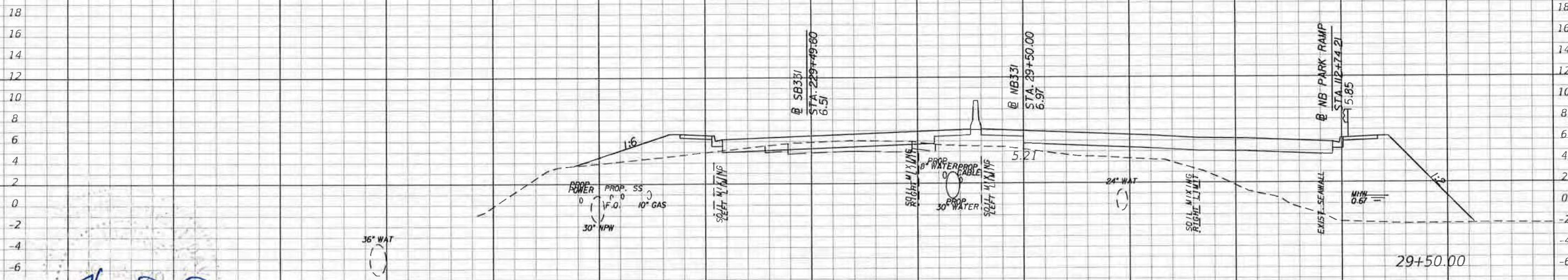
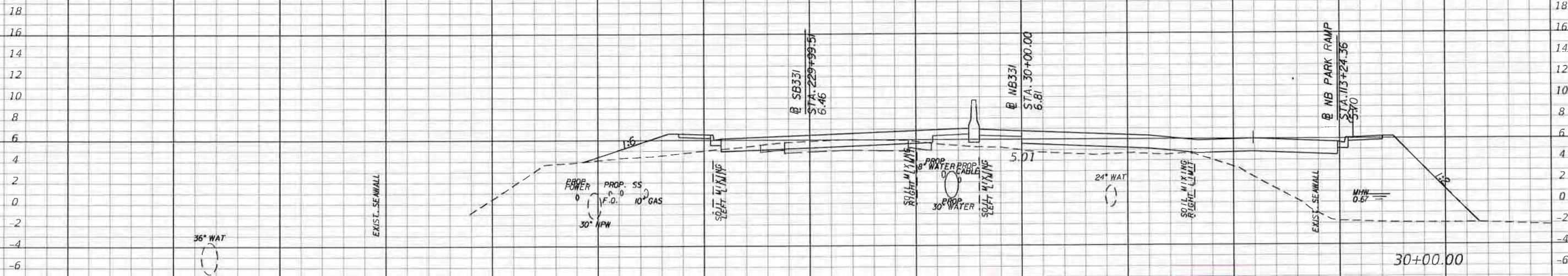
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
134





*Ch DD*  
1/16/14

SCALE  
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REVISIONS			
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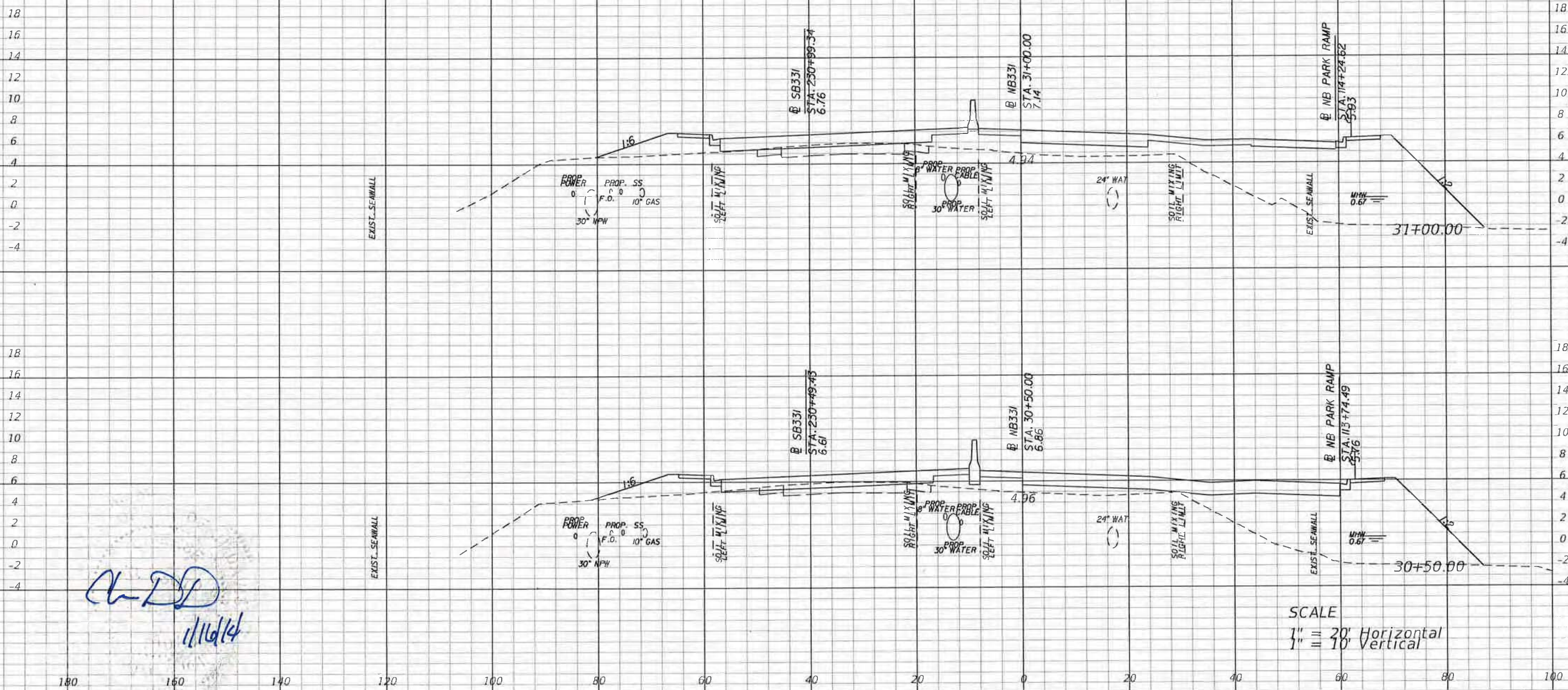
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**135**





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DATE	DESCRIPTION

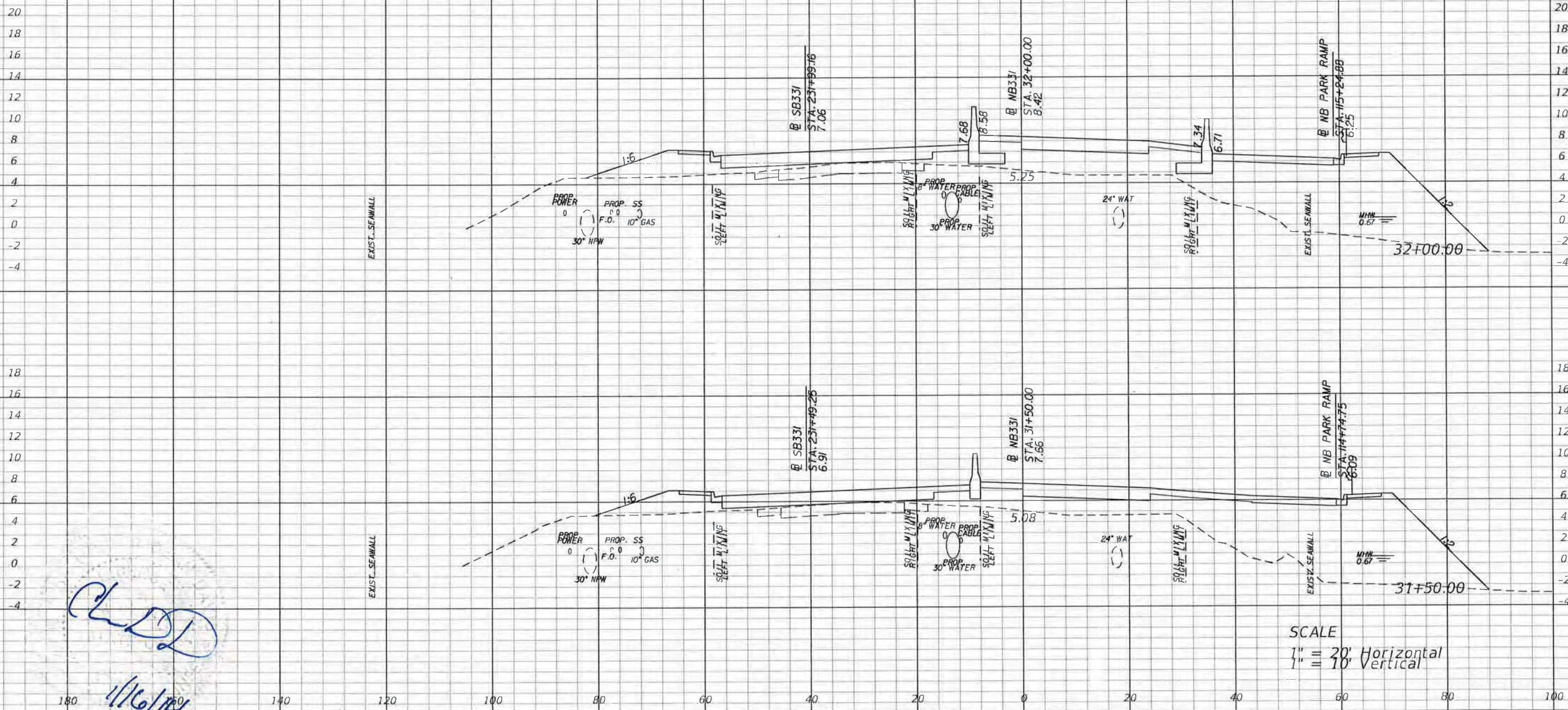
Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
 136





*CLD*  
1/16/14

SCALE  
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REVISIONS	
DATE	DESCRIPTION

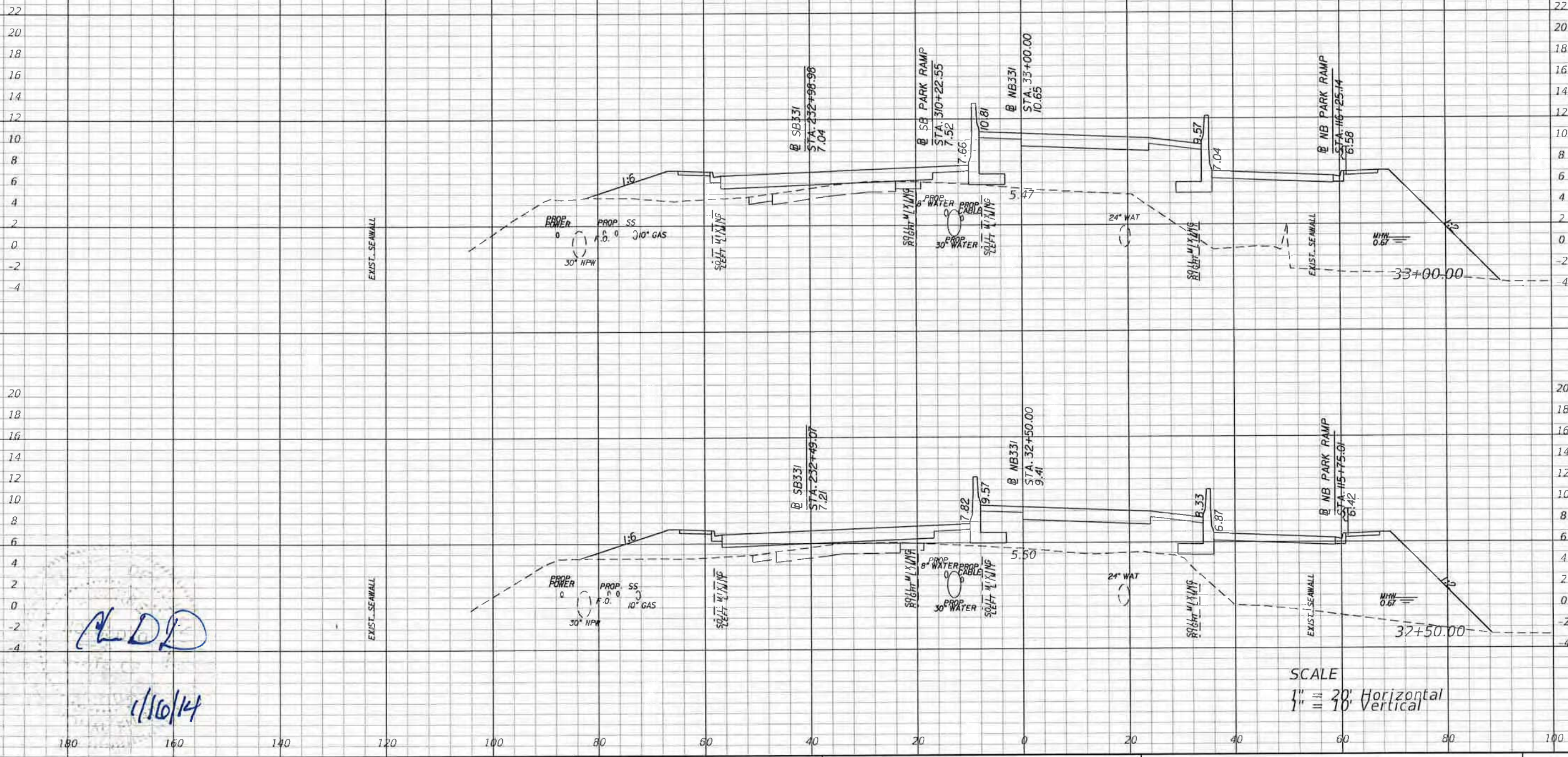
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
137





ADD

1/10/14

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REVISIONS			
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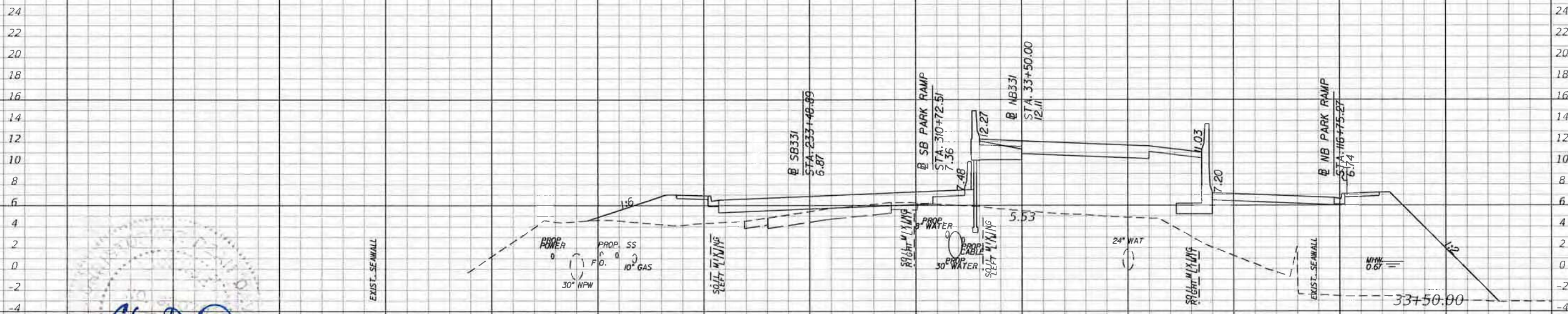
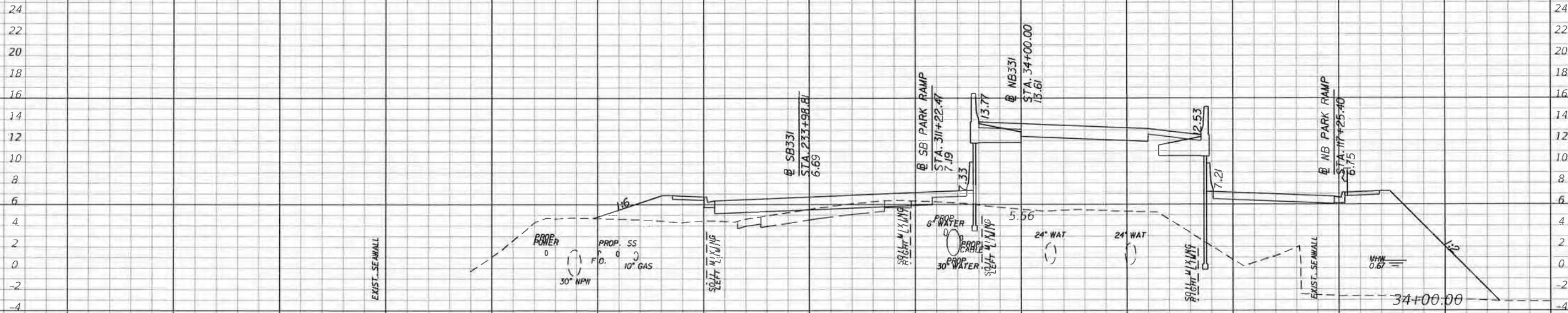
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
138





CLDD  
1/16/14

SCALE  
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1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION

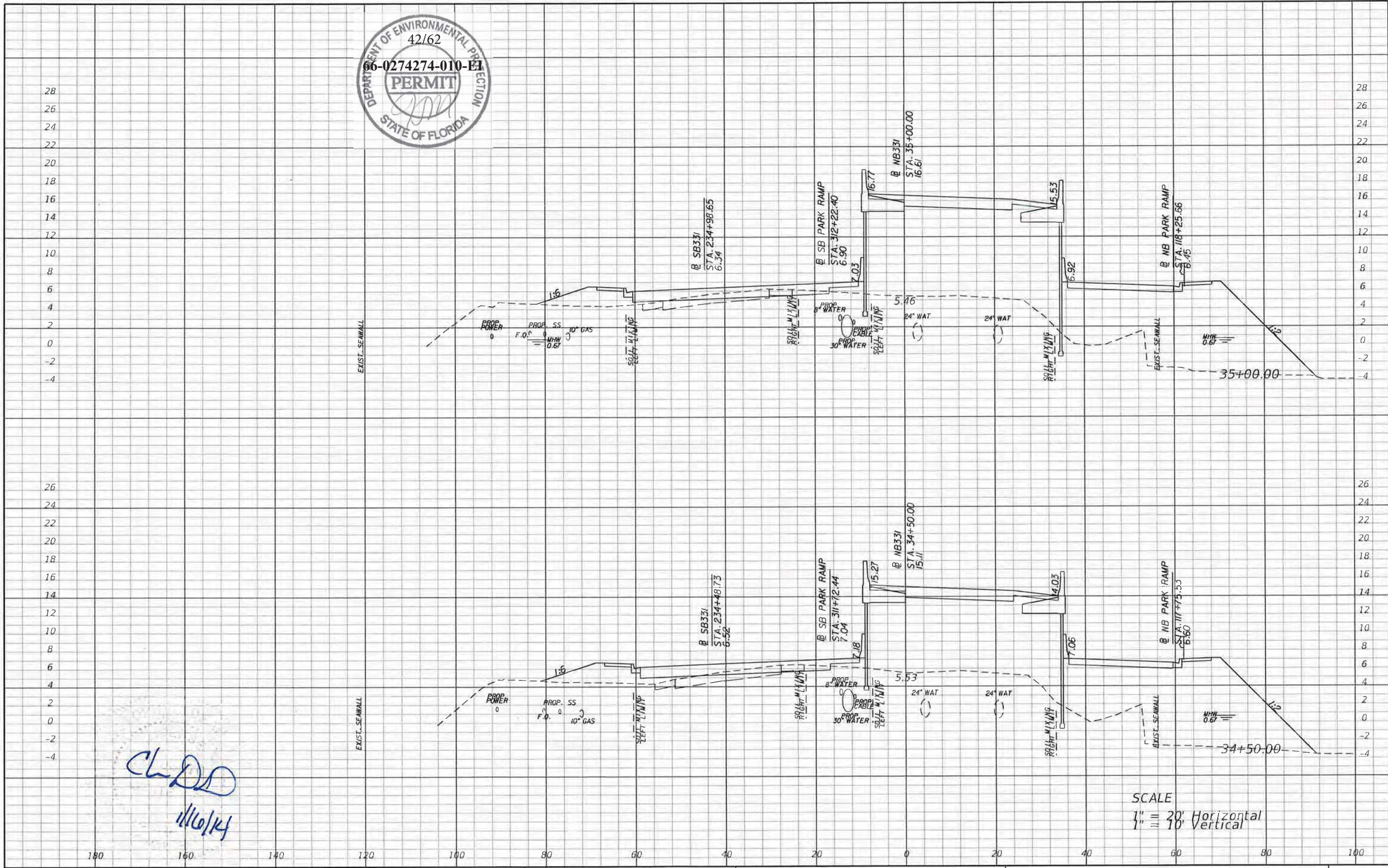
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
139





CLDD  
1/16/14

SCALE  
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REVISIONS	
DATE	DESCRIPTION

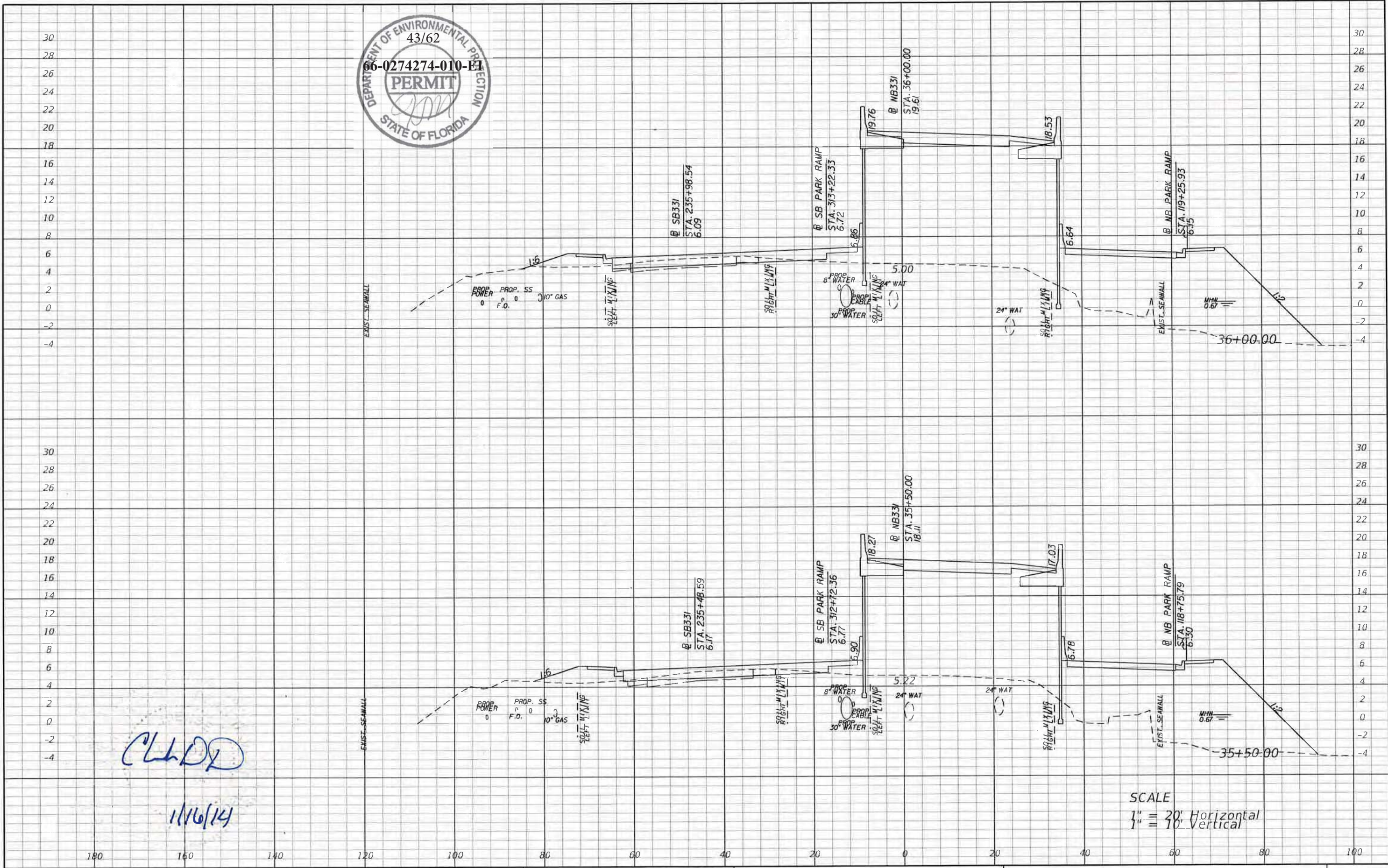
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**140**





CLLD

1/16/14

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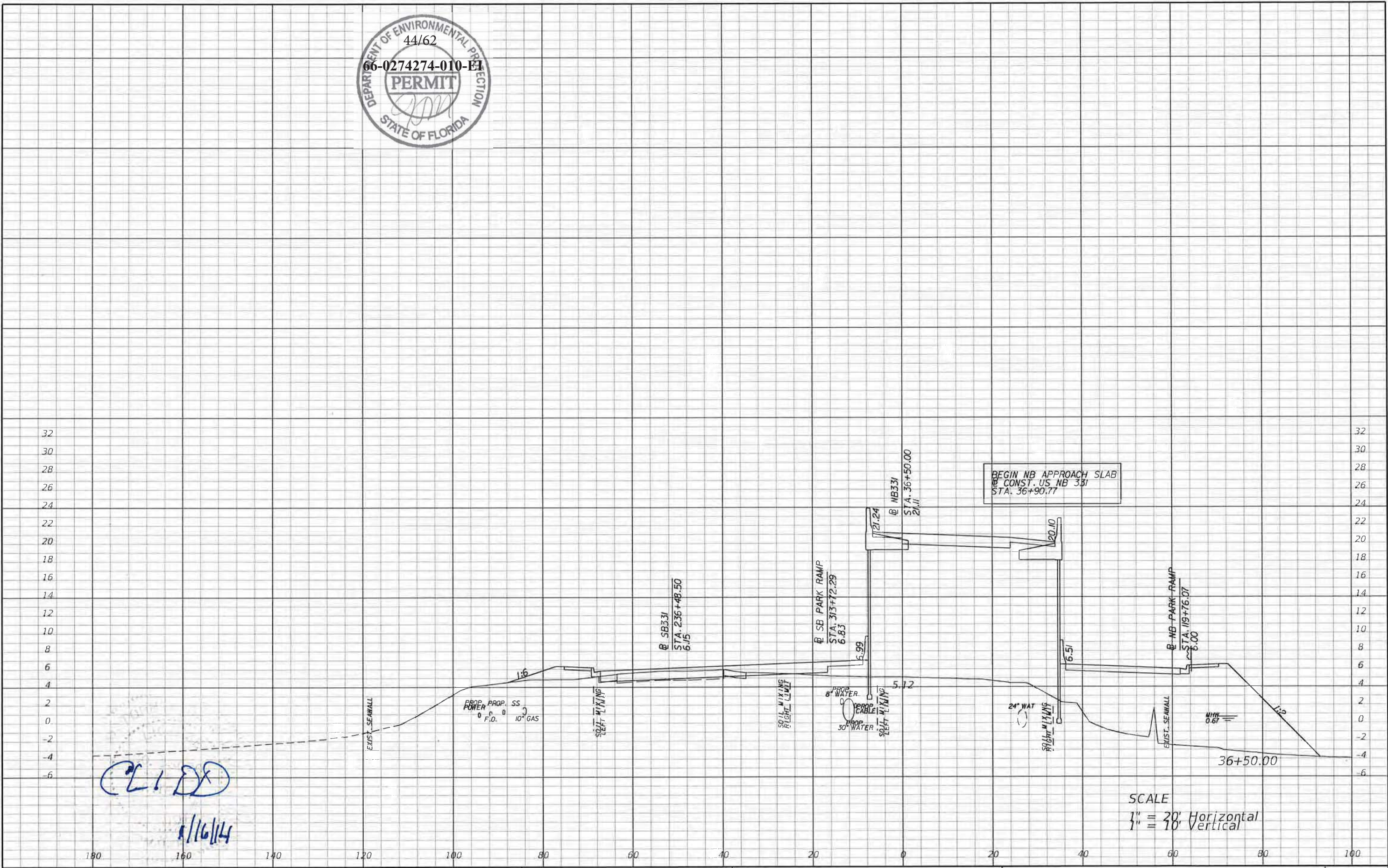
Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

CROSS SECTIONS

SHEET NO.  
141





CL 100  
1/16/14

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REVISIONS	
DATE	DESCRIPTION

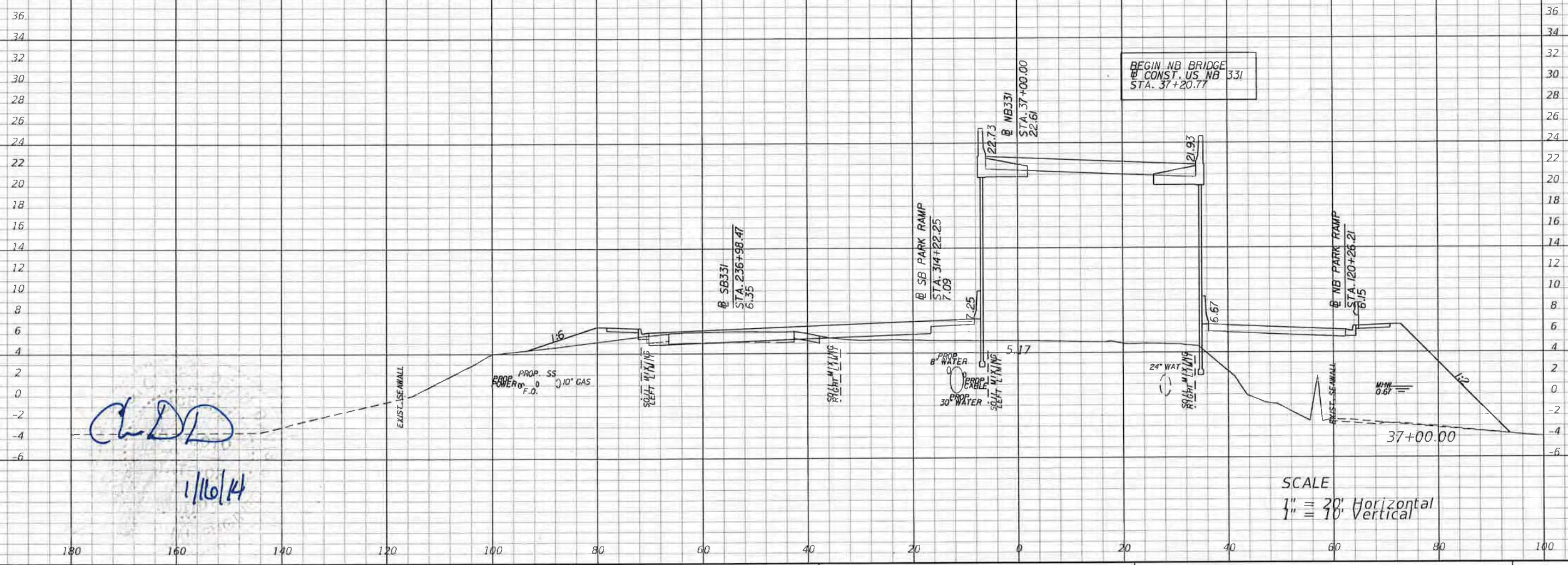
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**142**





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1/16/14

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REVISIONS			
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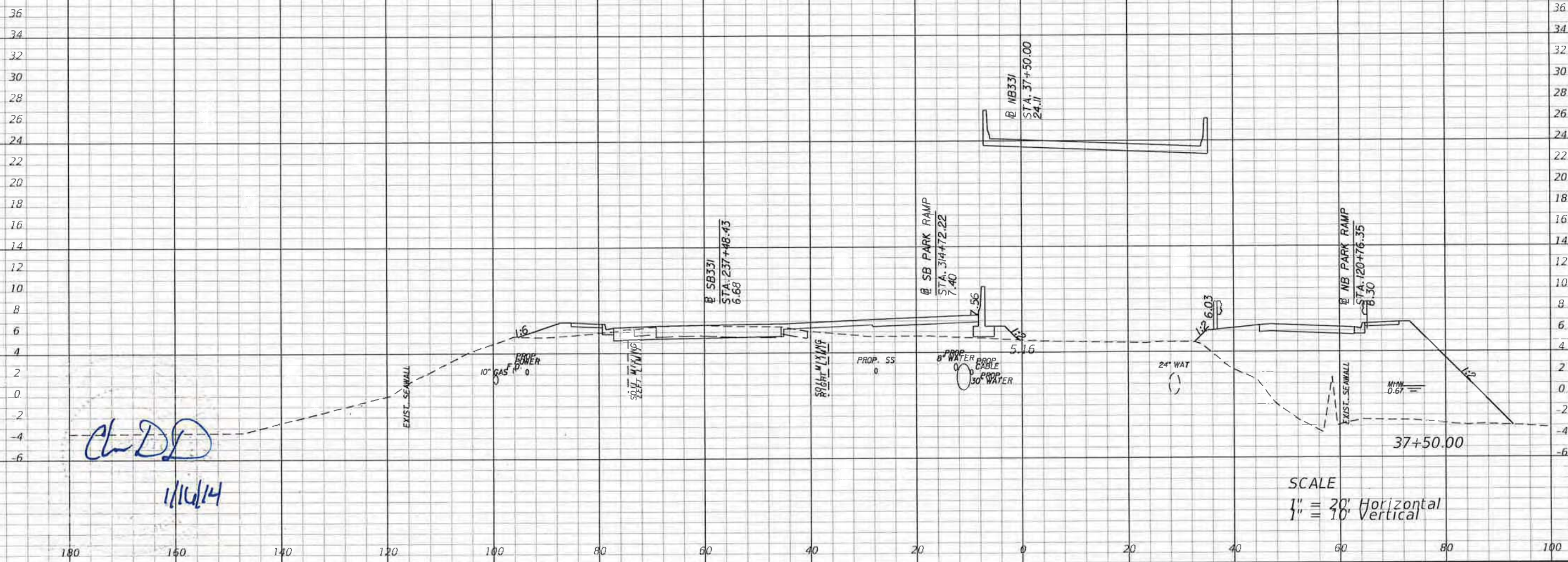
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**143**



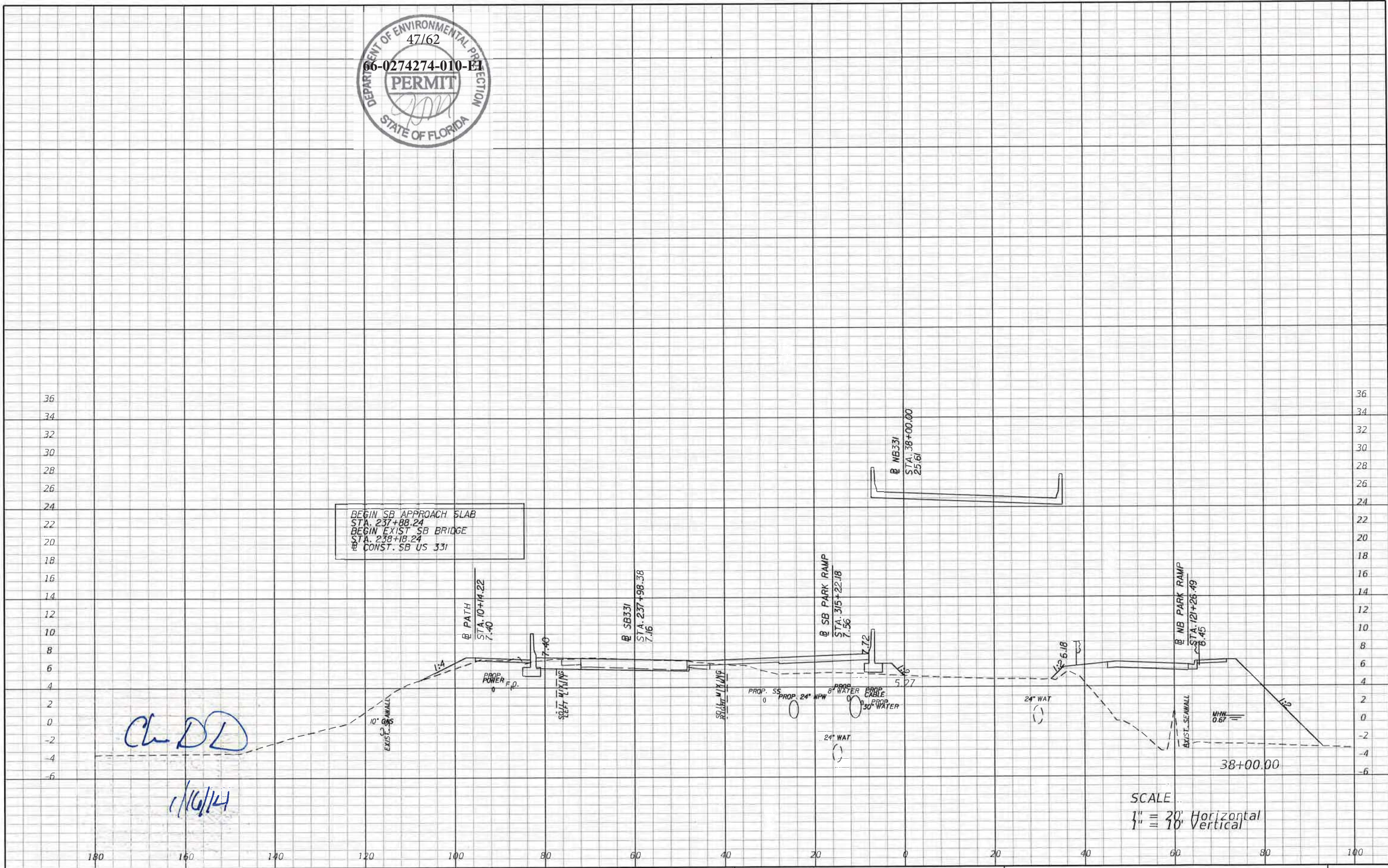


*Ch DD*  
1/16/14

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REVISIONS		DESCRIPTION		Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>CROSS SECTIONS</b>	SHEET NO. 144
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					83	WALTON	220664-2-52-01		





CL DD  
1/16/14

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

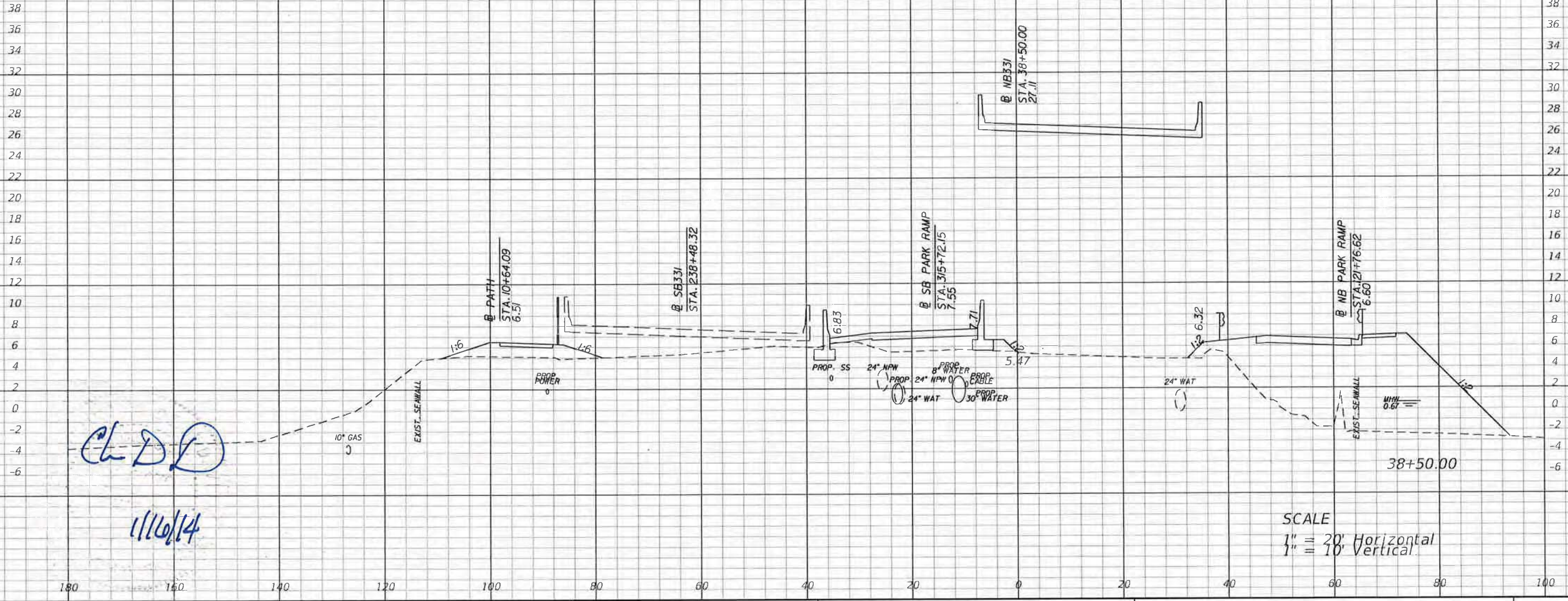
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**145**





CLD

1/16/14

SCALE  
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REVISIONS			
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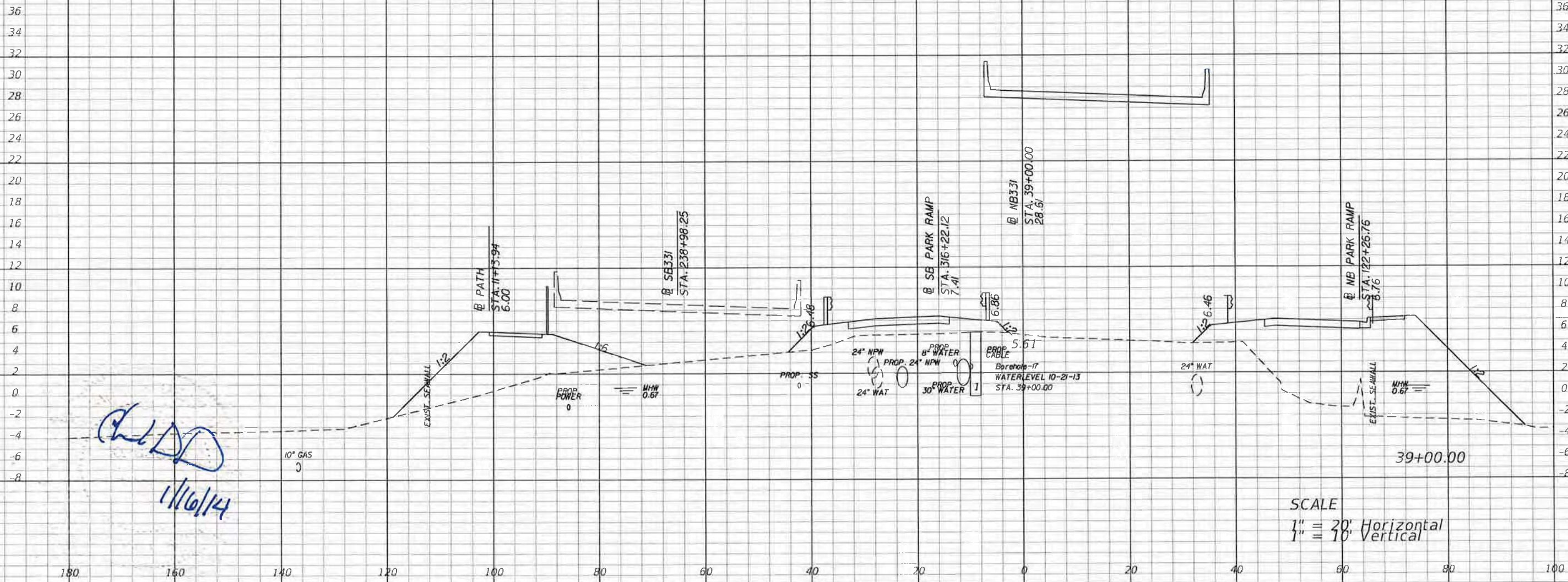
Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
146





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REVISIONS			
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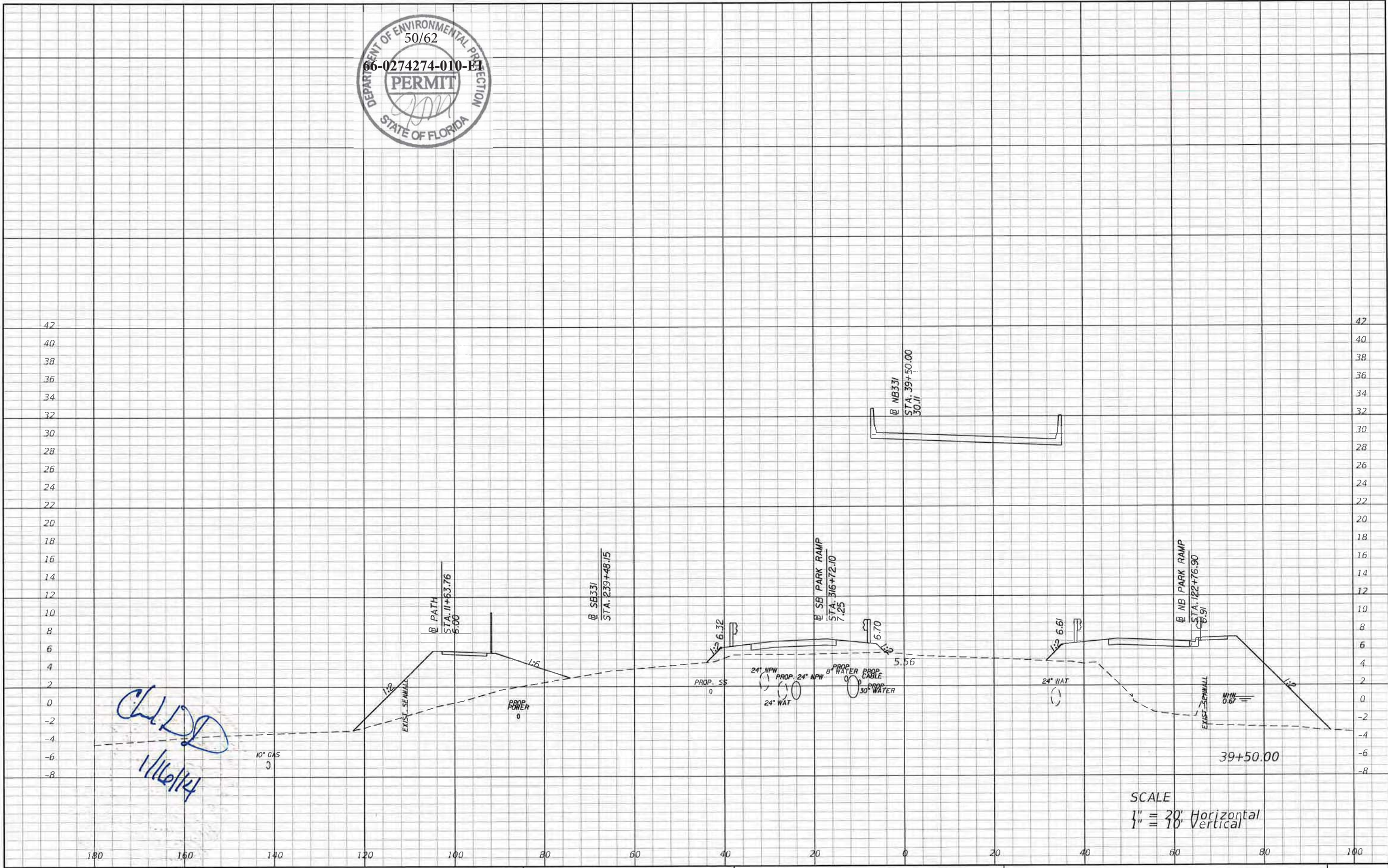
Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
 147





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1/16/14

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DATE	DESCRIPTION

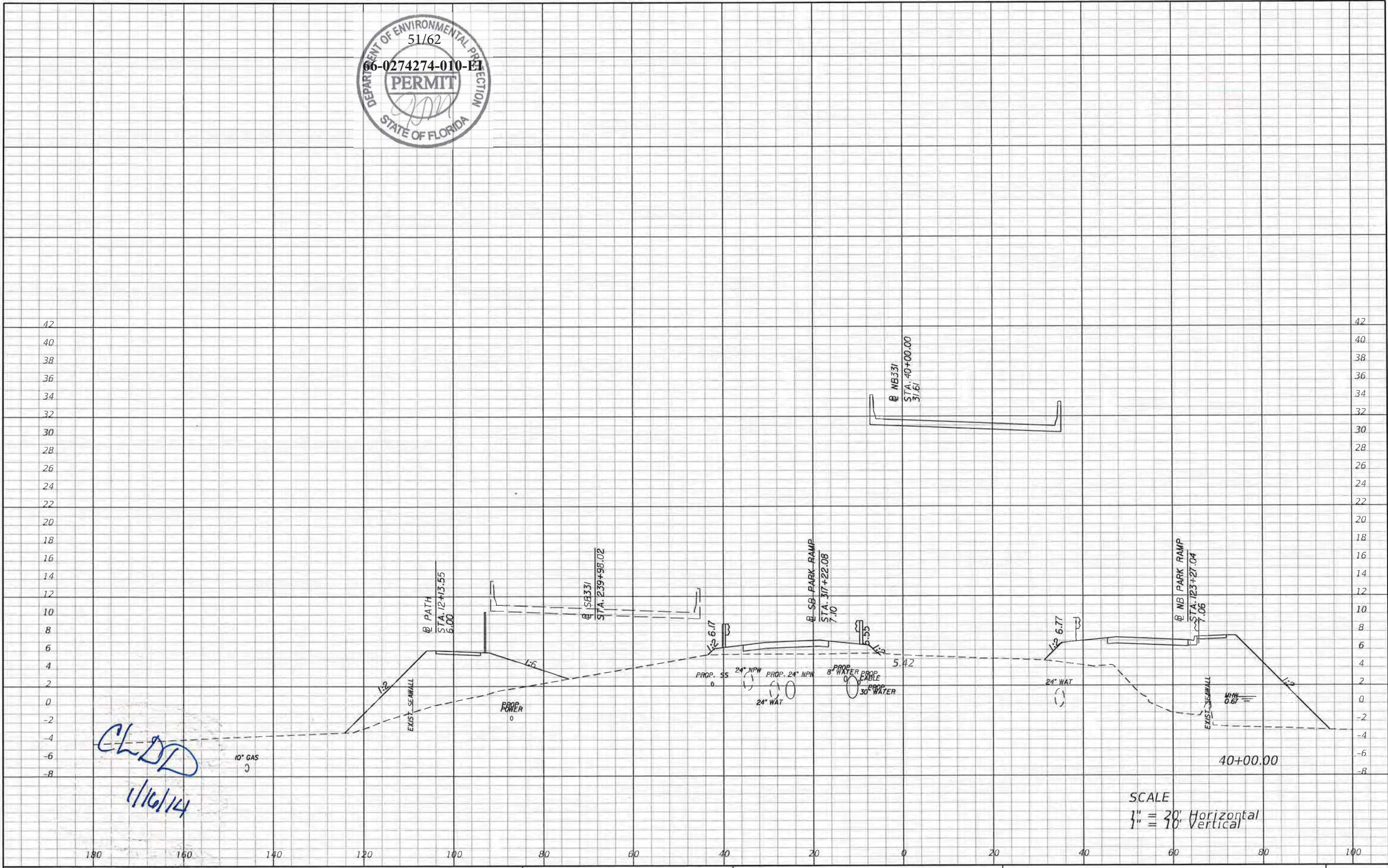
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davls, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**148**





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1/16/14

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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

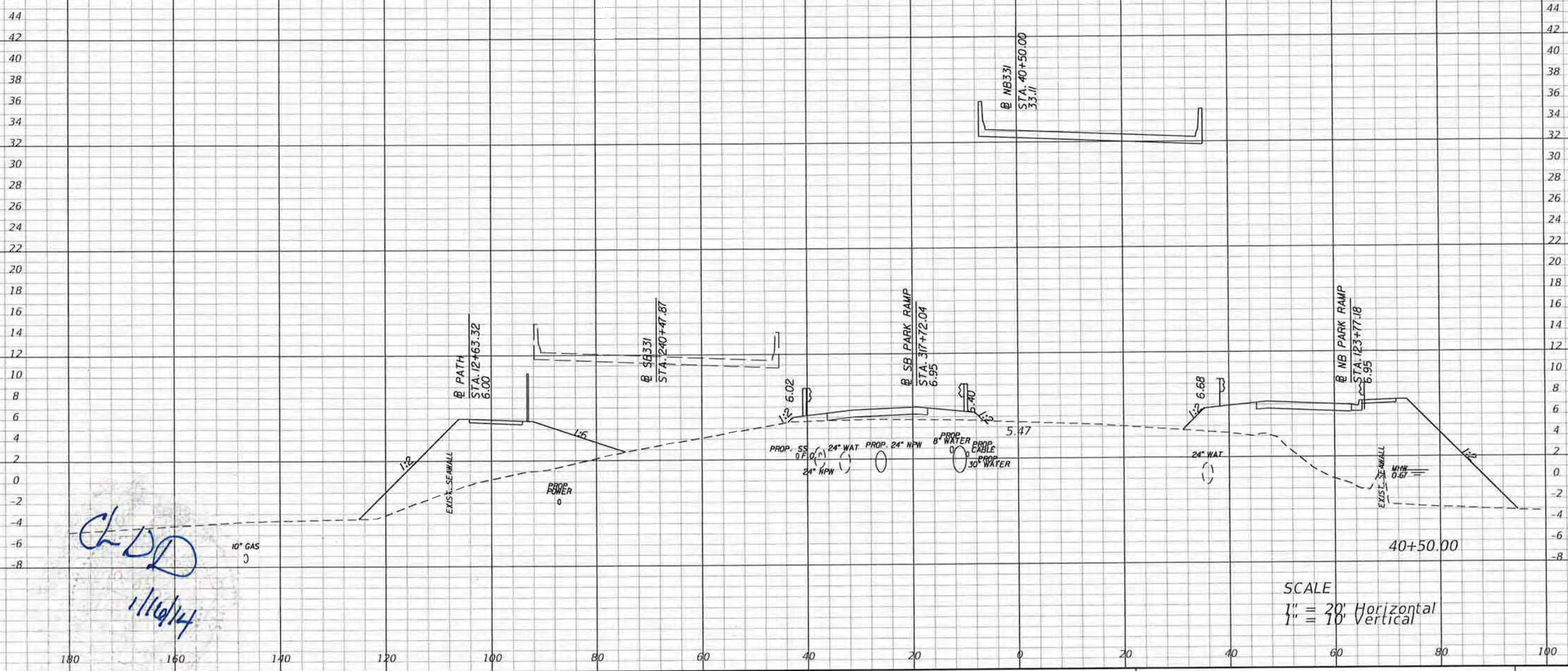
Parsons Brinckerhoff, Inc.  
121W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**149**





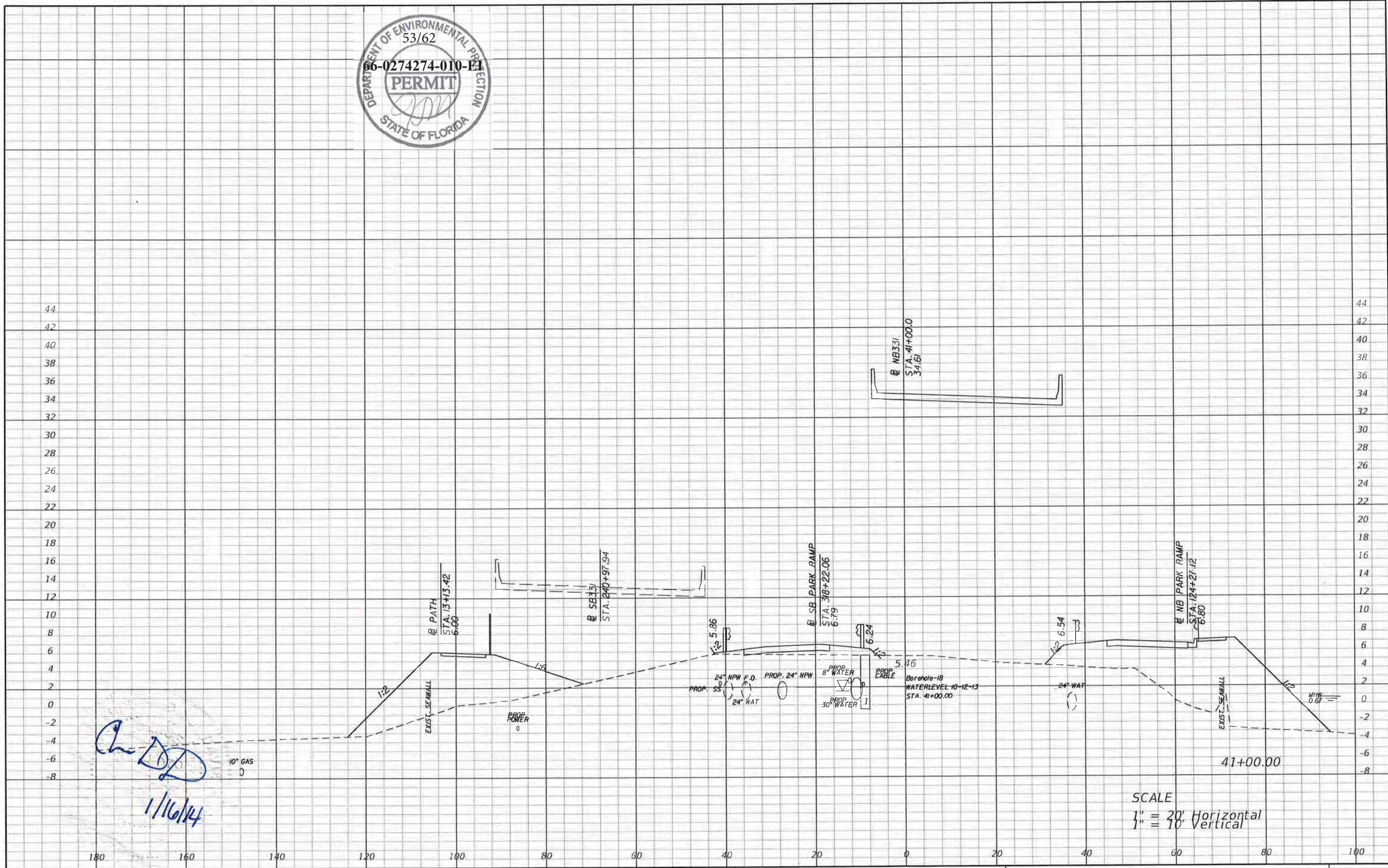
CLD  
1/16/14

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REVISIONS		DESCRIPTION		DATE	DESCRIPTION	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
								<b>CROSS SECTIONS</b>	<b>150</b>
					83	WALTON	220664-2-52-01		

Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070





*Handwritten signature and date:*  
 1/16/14

SCALE  
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

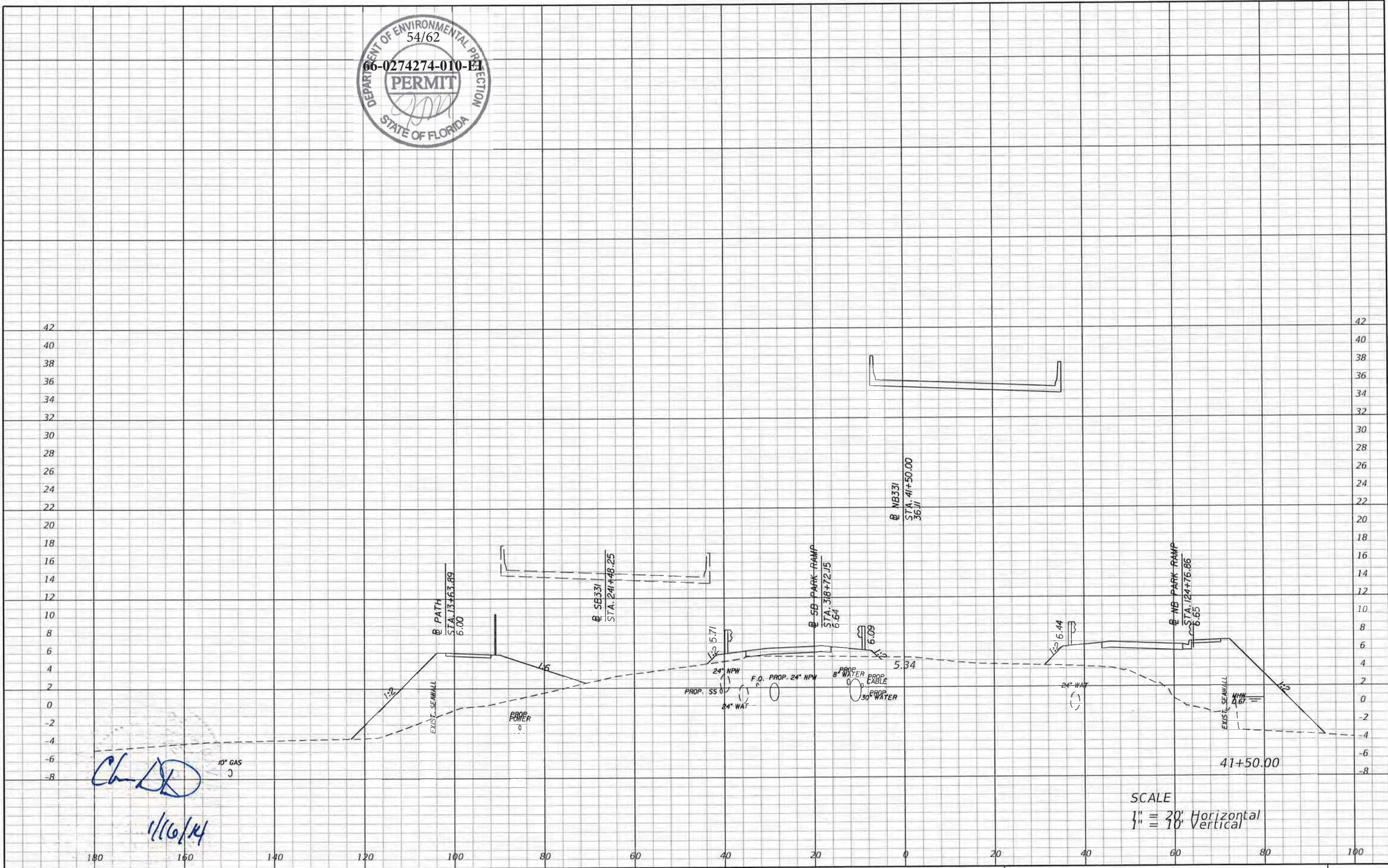
Parsons Brinckerhoff, Inc.  
 121 W. Trade Street, Suite 1950  
 Charlotte, NC 28202  
 (704) 342-8469  
 Cert. of Auth. No. 01462  
 EOR: Christopher D. Davls, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
 151





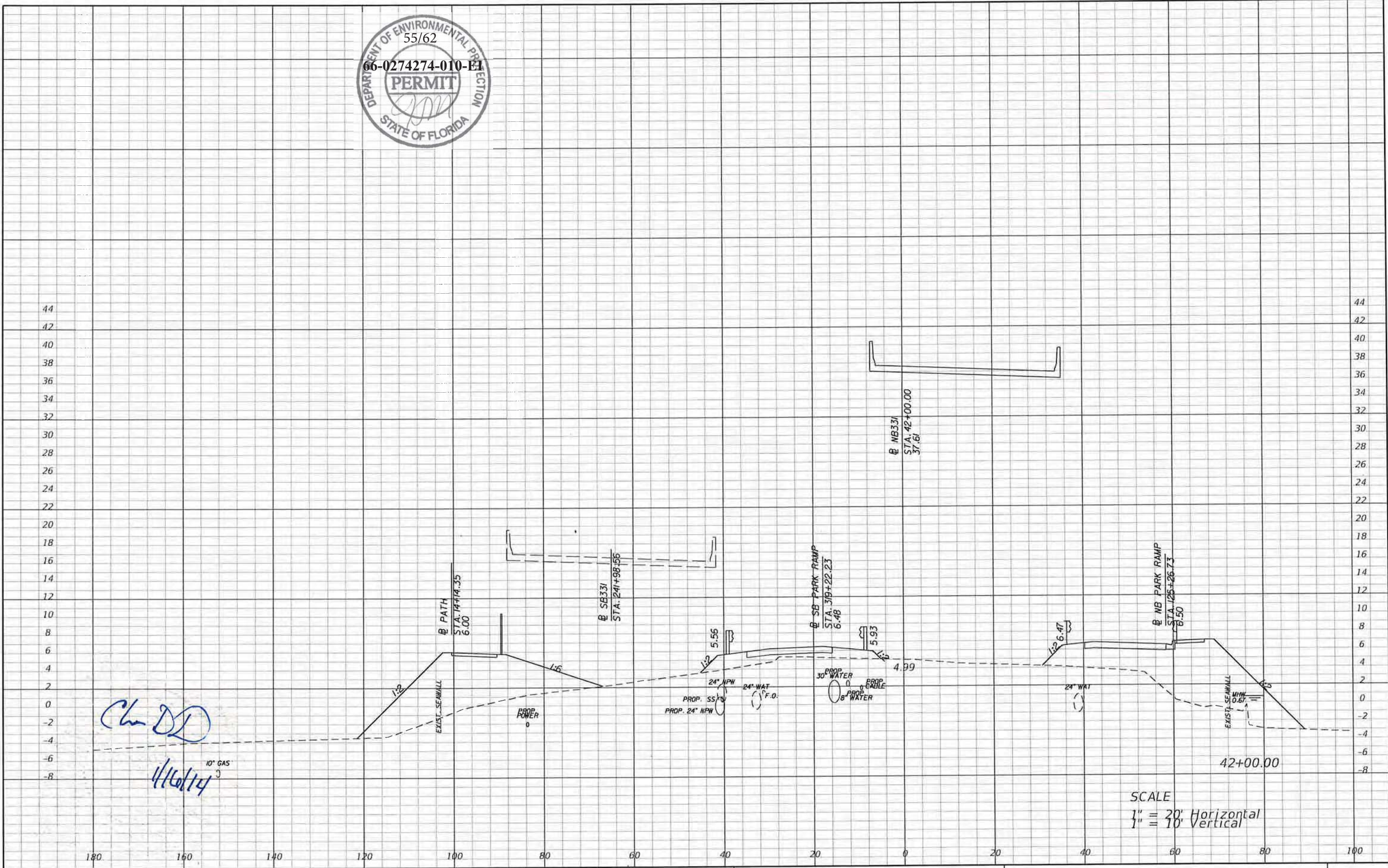
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1/16/14

SCALE  
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REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					
					83	WALTON	220664-2-52-01	152

Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070





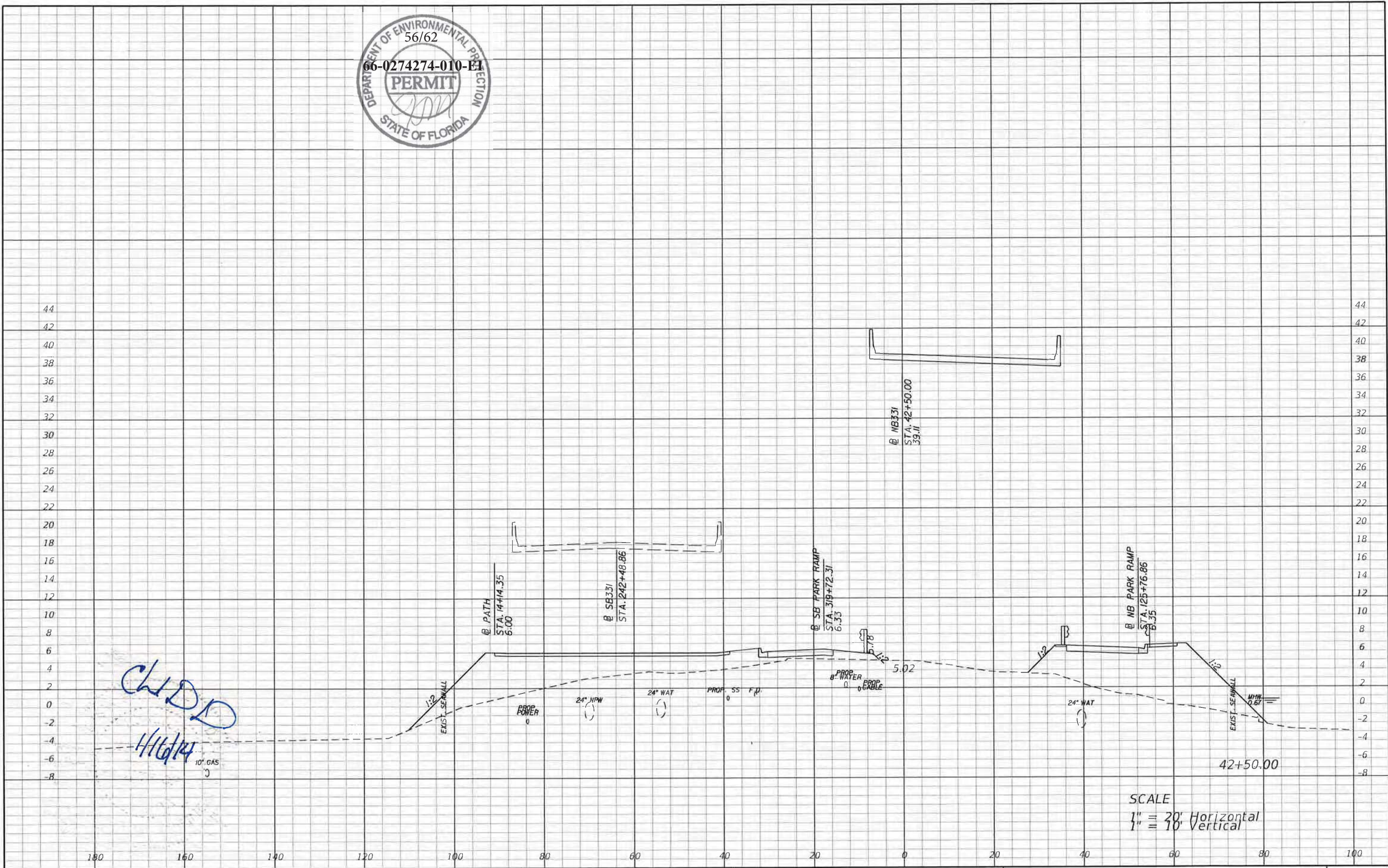
Ch DD  
4/16/14  
10" GAS

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1" = 30' Horizontal  
1" = 3' Vertical

REVISIONS		DESCRIPTION		STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			CROSS SECTIONS	SHEET NO. 153
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				83	WALTON	220664-2-52-01		

Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D. Davis, P.E. No. 63070





CHDD  
H16/14  
10\"/>

SCALE  
1" = 30' Horizontal  
1" = 10' Vertical

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

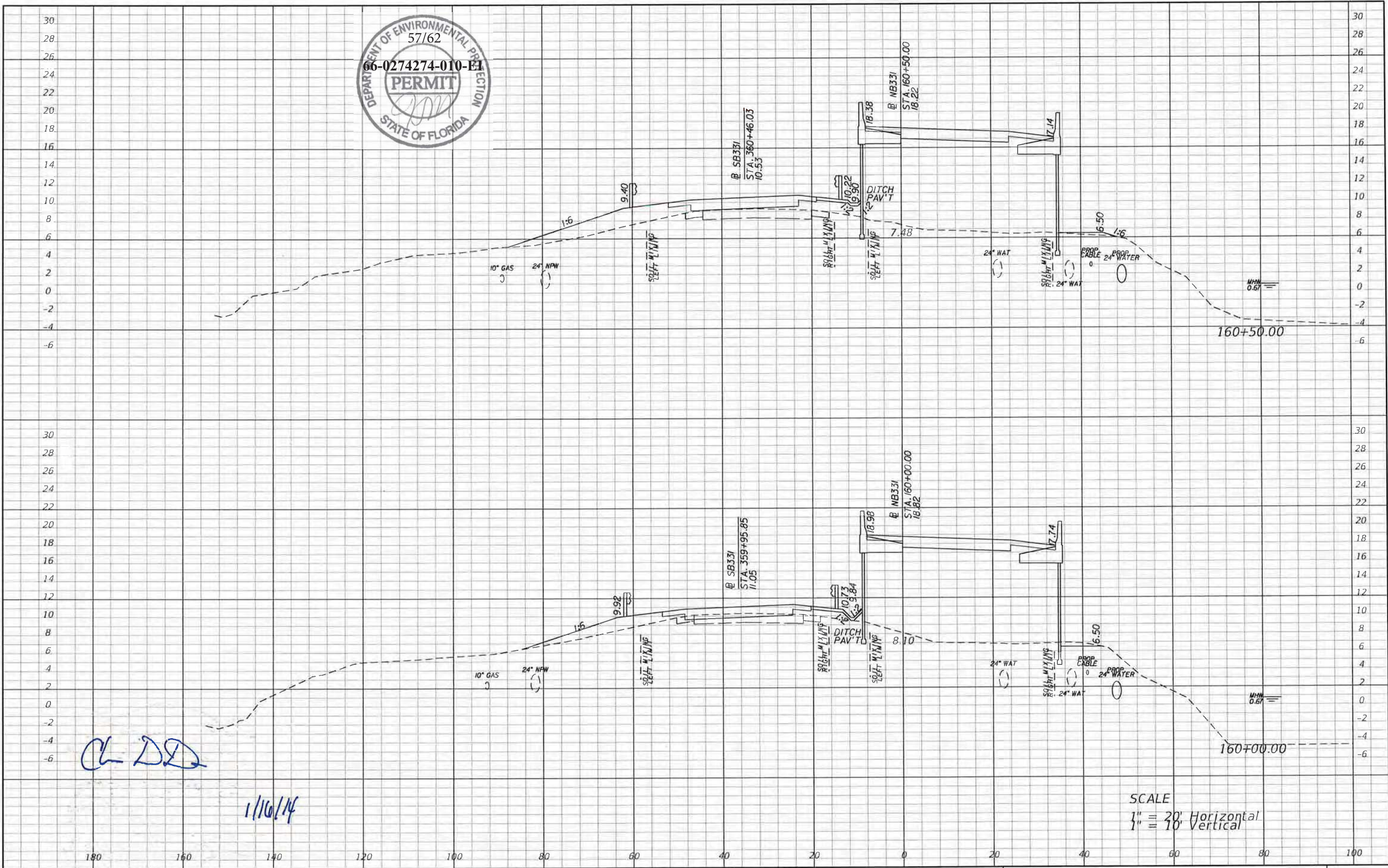
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**154**





CL DD

1/16/14

SCALE  
1" = 30' Horizontal  
1" = 10' Vertical

REVISIONS	
DATE	DESCRIPTION

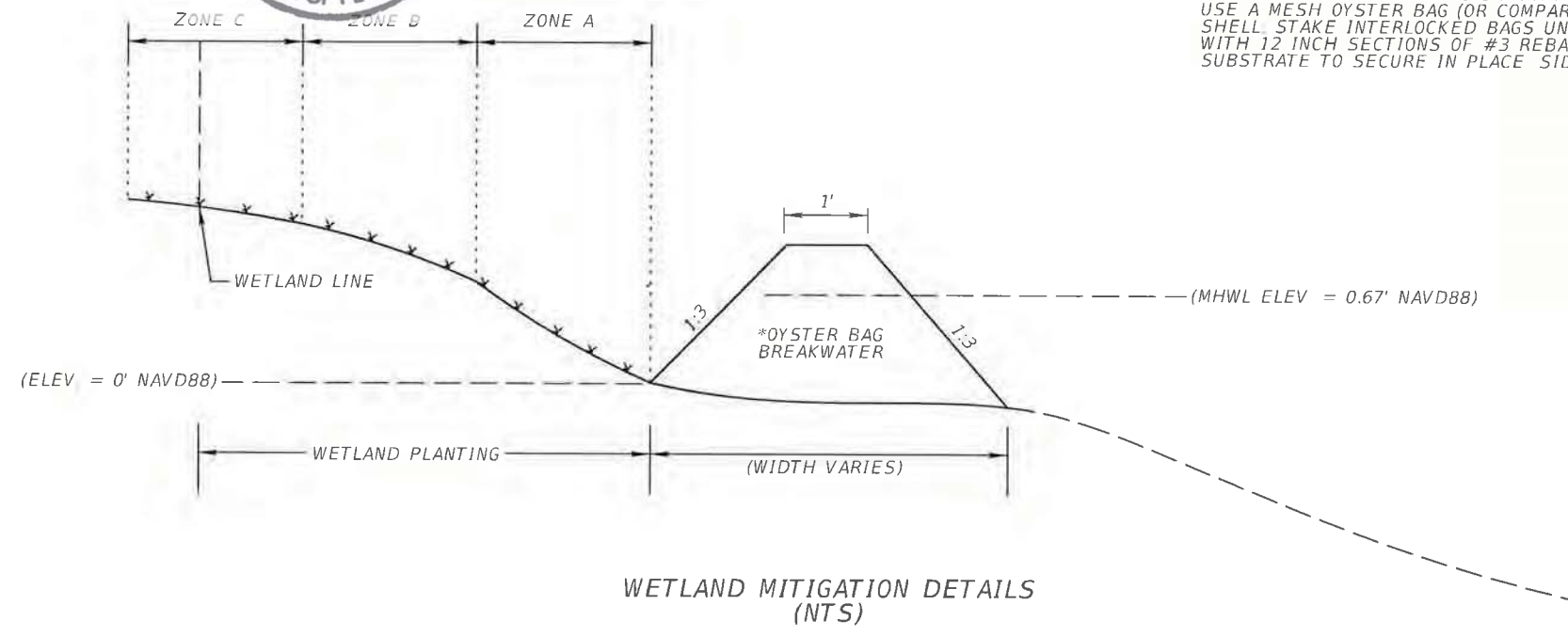
Parsons Brinckerhoff, Inc.  
121 W. Trade Street, Suite 1950  
Charlotte, NC 28202  
(704) 342-8469  
Cert. of Auth. No. 01462  
EOR: Christopher D Davis, P.E. No. 63070

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
83	WALTON	220664-2-52-01

**CROSS SECTIONS**

SHEET NO.  
**249**





NOTE: In areas to be planted, all rip rap and rubble will be removed to one foot below the planting surface.

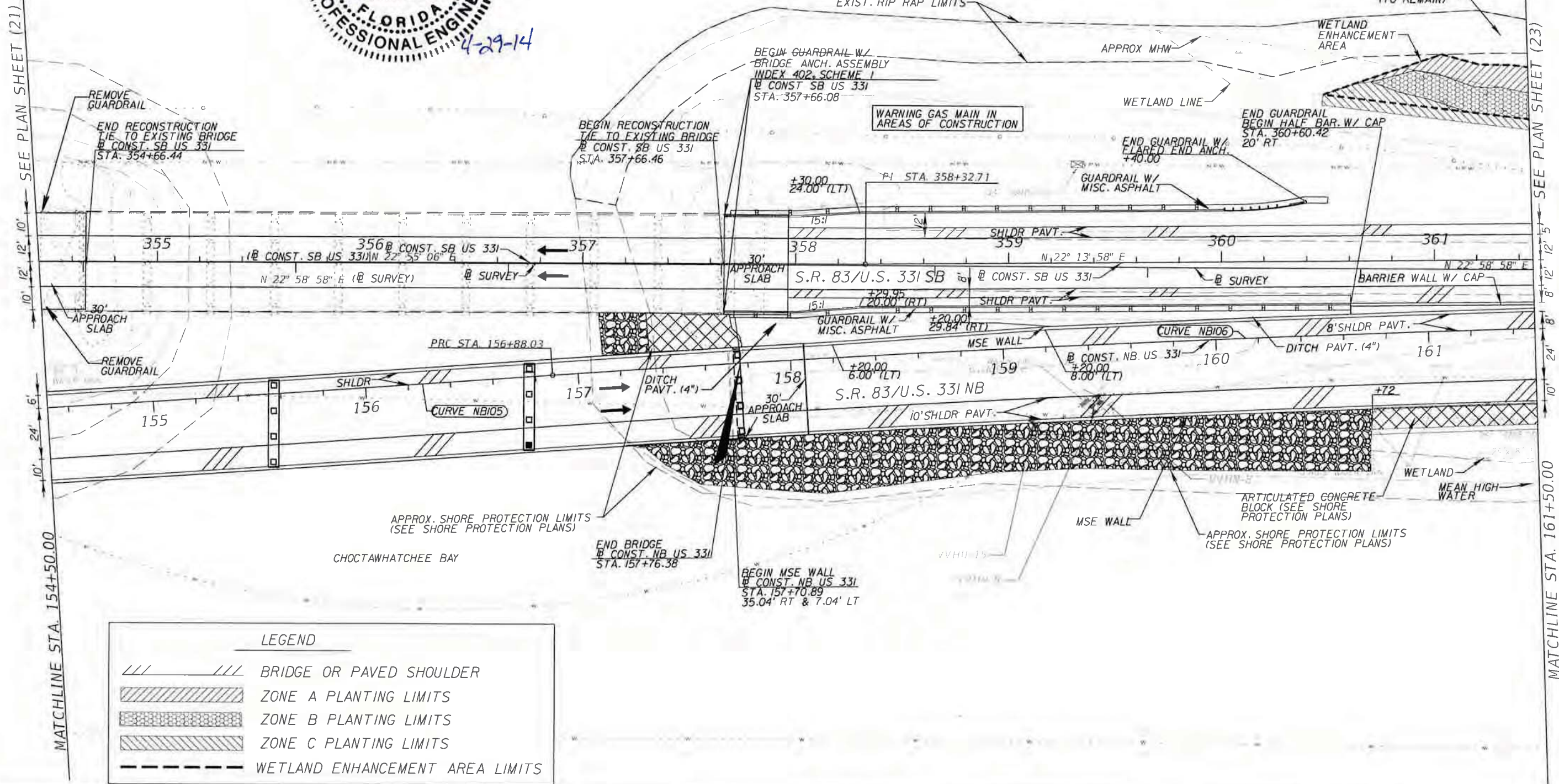
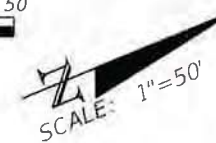
CHOCTAWHATCHEE BAY BRIDGE - ONSITE MITIGATION AREA  
PLANTING PLAN

WETLAND TYPE	ZONE	ACREAGE	SQUARE FEET	ELEVATION	SCIENTIFIC NAME	COMMON NAME	PERCENT COVER	SIZE	SPACING O.C. (ft.)	PLANT QUANTITY
LOW MARSH	A	0.27	11,925	0 to 1	HERBACEOUS					
					SPARTINA ALTERNIFLORA	SMOOTH CORDGRASS	100%	2" CELL	3.0	1,325
HIGH MARSH	B	0.48	20,762	1 to 2	SHRUB					
					HERBACEOUS					
					JUNCUS ROMERIANUS	BLACK NEEDLE RUSH	50%	2" CELL	3.0	1,153
					SPARTINA PATENS	SALTMARSH CORDGRASS	50%	2" CELL	3.0	1,154
TRANSITIONAL AREA	C	0.33 (0.14 WITHIN WEA)	14,241	>2	HERBACEOUS					
					GARILLARDIA AESTIVALIS	BLANKET FLOWER	15%	2" CELL	3.0	238
					IVA FRUTESCENS	MARSH ELDER	25%	2" CELL	5.0	142
					MUHLENBERGIA CAPILLARIS	MUHLI GRASS	35%	4"	5.0	200
					SPARTINA BAKERI	SAND CORDGRASS	25%	1 GALLON	5.0	142

\*MHWL IS 0.67 NAVD88

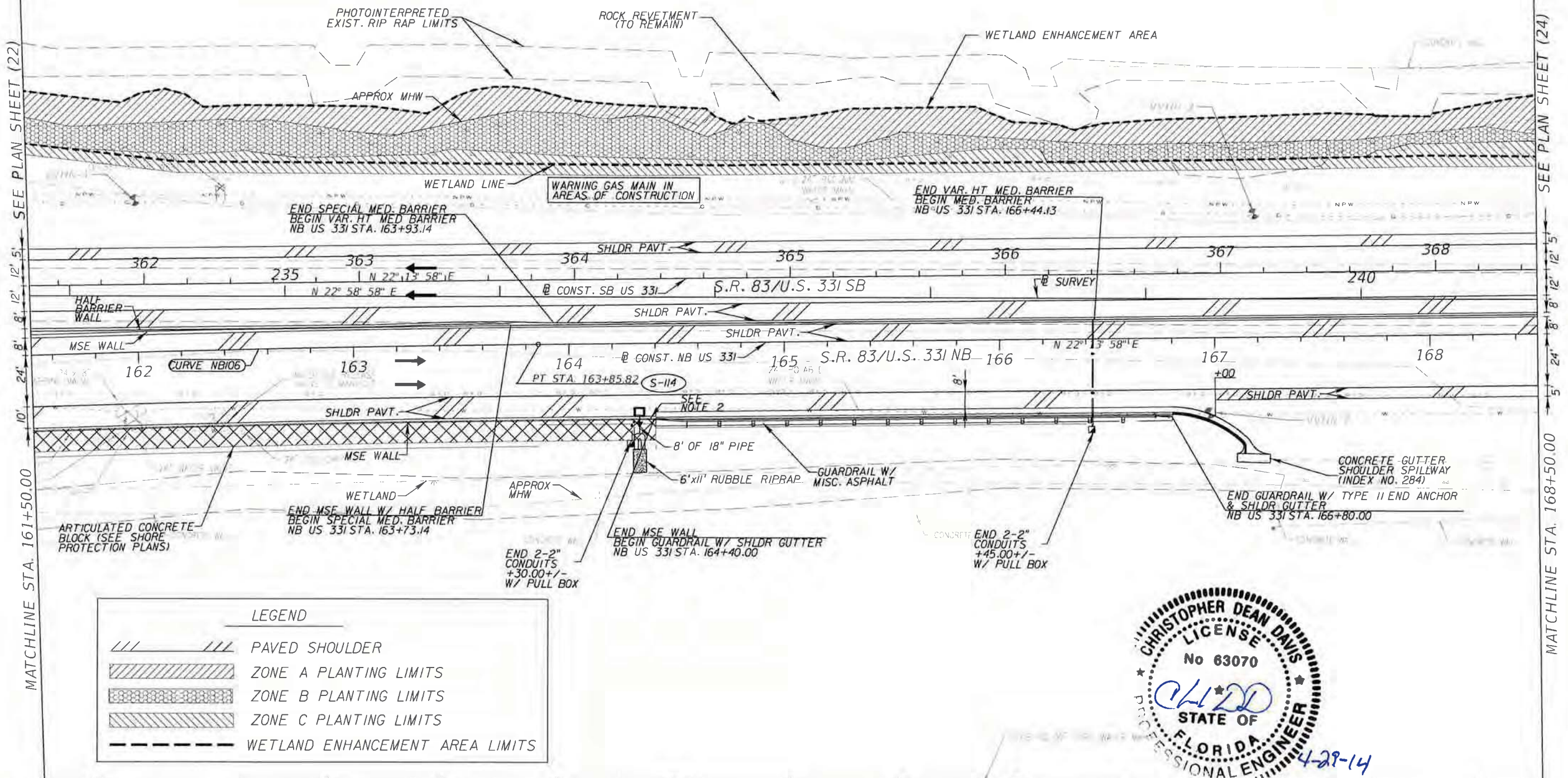
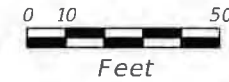
REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			TYPICAL SECTION DETAILS (3)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					83	WALTON	220664-2-52-01		17





REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PLAN (22)</b>  47
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	





LEGEND	
	PAVED SHOULDER
	ZONE A PLANTING LIMITS
	ZONE B PLANTING LIMITS
	ZONE C PLANTING LIMITS
	WETLAND ENHANCEMENT AREA LIMITS

NOTES: 1. FOR SPECIAL MEDIAN BARRIER DESIGN, SEE RETAINING WALL PLANS  
 2. FOR MSE WALL TRAFFIC RAILING DETAILS ADJACENT TO DRAINAGE STRUCTURES, REFER TO INDEX 6201.

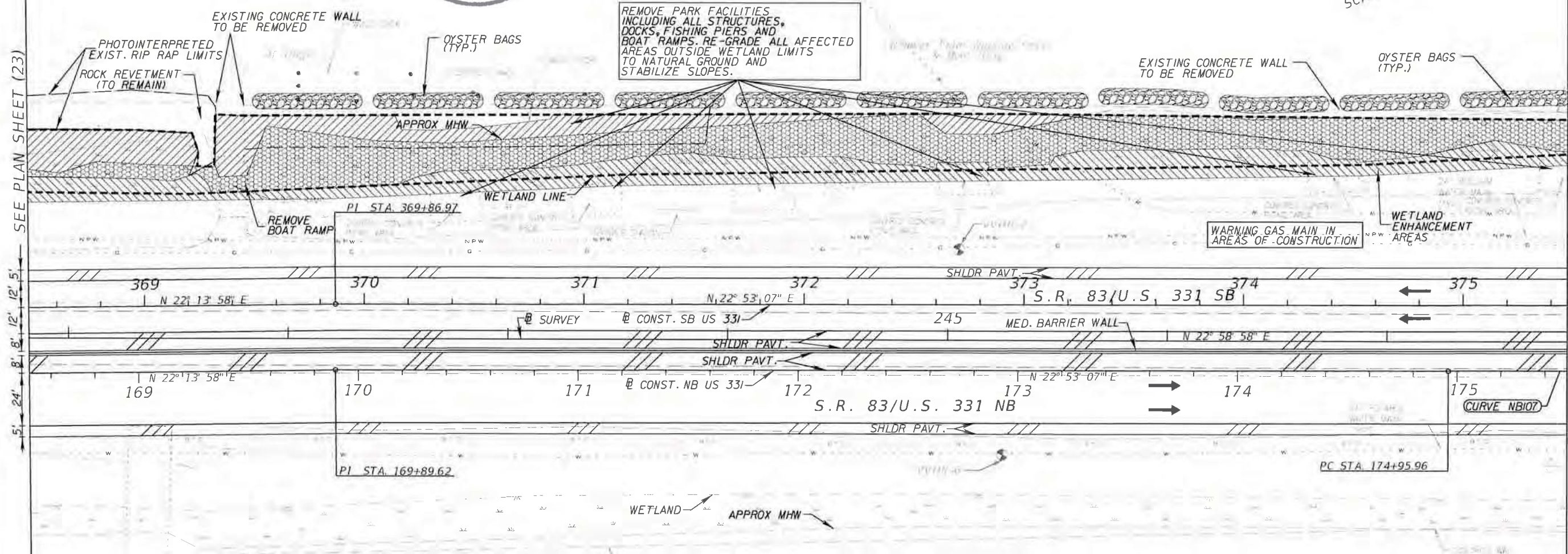


REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PLAN (23)</b>  48
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	





REMOVE PARK FACILITIES INCLUDING ALL STRUCTURES, DOCKS, FISHING PIERS AND BOAT RAMPS. RE-GRADE ALL AFFECTED AREAS OUTSIDE WETLAND LIMITS TO NATURAL GROUND AND STABILIZE SLOPES.



LEGEND	
	PAVED SHOULDER
	ZONE A PLANTING LIMITS
	ZONE B PLANTING LIMITS
	ZONE C PLANTING LIMITS
	WETLAND ENHANCEMENT AREA LIMITS



REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  <b>PLAN (24)</b>  49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	

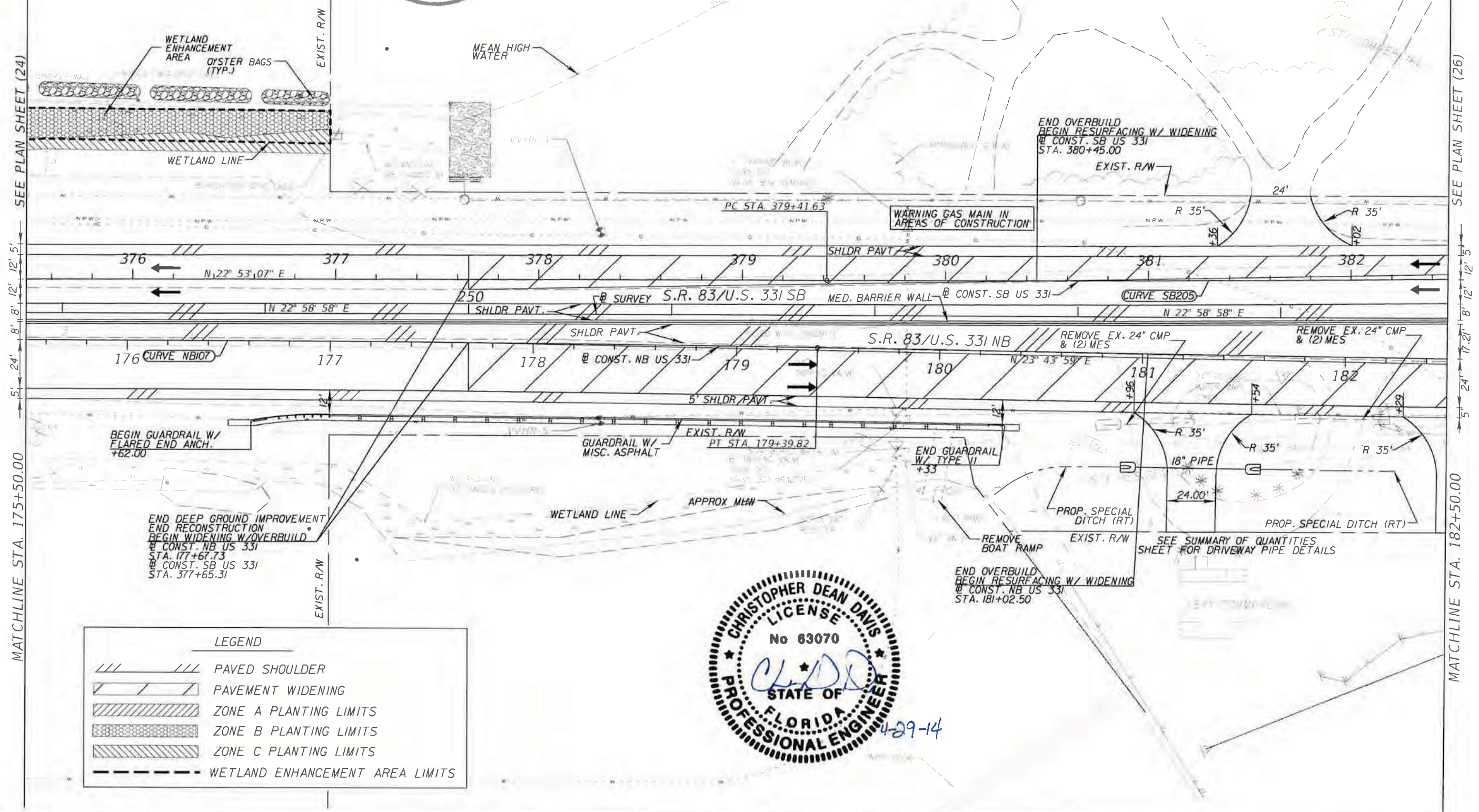




SCALE: 1"=50'

MATCHLINE STA. 175+50.00

MATCHLINE STA. 182+50.00



LEGEND	
	PAVED SHOULDER
	PAVEMENT WIDENING
	ZONE A PLANTING LIMITS
	ZONE B PLANTING LIMITS
	ZONE C PLANTING LIMITS
	WETLAND ENHANCEMENT AREA LIMITS



REVISIONS				Parsons Brinckerhoff, Inc. 121 W. Trade Street, Suite 1950 Charlotte, NC 28202 (704) 342-8469 Cert. of Auth. No. 01462 EOR: Christopher D. Davis, P.E. No. 63070	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
					83	WALTON	220664-2-52-01	

PLAN (25)



**STORMWATER OPERATION / MAINTENANCE PLAN**

**AFTER EACH RAINFALL EVENT**

1. **Debris in retention/detention areas** – All debris and foreign material shall be removed immediately
2. **Yard Inlets, Catch Basins, etc.** – All debris and foreign materials shall be removed immediately

**PERIODIC POND/SYSTEM MAINTENANCE**

1. Cleaning/sweeping of pavement areas shall be accomplished monthly if needed.
2. Inspect pond periodically for accumulation of trash and debris and schedule removal activities prior to the next inspection.
3. Mowing and landscaping maintenance should be done no less than three (3) times during the active growing season for this area.
4. Weeds or undesirable growth shall be removed during the next periodic mowing/clean up cycles.
5. Catch basins shall be flushed as necessary (if any).
6. The Maintenance Entity shall re-grade and re-stabilize swale/retention/detention areas as required to maintain the approved design, cross-section, line, and grade.
7. Remove sediment from pond when accumulation reaches four (4) inches. Measure accumulation once a year.

**INSPECTIONS**

1. A maintenance inspection must be performed by a registered professional, **one year** after conversion to the Operation Phase and then **every five years thereafter**.
2. The inspection must be conducted using the plans, calculations and specifications approved by the Agency.
3. The maintenance inspection must be documented on Form 62-330.311(1), "Operation and Maintenance Inspection Certification". The inspection Form must be maintained and made available to Agency staff upon request.



**STANDARD MANATEE AND MARINE TURTLE  
CONSTRUCTION CONDITIONS FOR IN-WATER WORK**

March 2012

The permittee shall comply with the following conditions intended to protect manatees and marine turtles from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of marine turtles, manatees and manatee speed zones, and the need to avoid collisions with (and injury to) these protected marine species. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees and marine turtles cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee or marine turtle movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of marine turtles and manatee(s). All in-water operations, including vessels, must be shutdown if a marine turtle or manatee comes within 50 feet of the operation. Activities will not resume until the animal(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the animal(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a marine turtle or manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922, and to FWC at [ImperiledSpecies@myFWC.com](mailto:ImperiledSpecies@myFWC.com). Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service (for north Florida, Jacksonville 1-904-731-3336 or for south Florida Vero Beach 1-772-562-3909).
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at [MyFWC.com/manatee](http://MyFWC.com/manatee). Questions concerning these signs can be sent to the email address listed above.
- g. Lighting on offshore or onshore equipment including dredge, crew boats, and all ancillary vessels shall be minimized through reduction, shielding, lowering, and appropriate placement to avoid excessive illumination of the water's surface and visibility from adjacent marine turtle nesting beaches while meeting all Coast Guard, EM 385-1-1, and OSHA requirements. Light intensity of all fixtures on the vessels shall be reduced to the minimum standard required by OSHA for General Construction areas, in order not to misdirect marine turtles. Lights used to survey nearshore or inlet waters for manatees and sea turtles shall be mounted as low as possible and aimed to minimize visibility from adjacent nesting beaches. Shields shall be affixed to the light housing and be large enough to block light from all lamps from being transmitted outside the construction area.



# CAUTION: MANATEE HABITAT

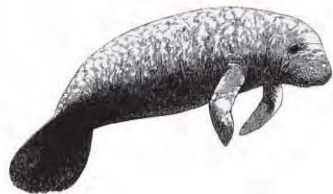
All project vessels

**IDLE SPEED / NO WAKE**

When a manatee is within 50 feet of work  
all in-water activities must

**SHUT DOWN**

Report any collision with or injury to a manatee:



**Wildlife Alert:**

**1-888-404-FWCC(3922)**

cell \*FWC or #FWC





**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
**NATIONAL MARINE FISHERIES SERVICE**  
Southeast Regional Office  
263 13th Avenue South  
St. Petersburg, FL 33701

## **SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS**

The permittee shall comply with the following protected species construction conditions:

- a. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
- b. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
- c. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
- d. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
- e. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
- f. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824-5312) and the local authorized sea turtle stranding/rescue organization.
- g. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

Revised: March 23, 2006

O:\forms\Sea Turtle and Smalltooth Sawfish Construction Conditions.doc





Exhibit 5

CONSTRUCTION SPECIAL PROVISIONS  
GULF STURGEON PROTECTION GUIDELINES  
(PURSUANT TO NMFS AND USFWS)

The Gulf sturgeon (*Acipenser oxyrinchus desotoi*) is listed under the Endangered Species Act as threatened. It is managed under the joint jurisdiction of the National Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (USFWS). Potential habitat for the Gulf sturgeon is located within the limits of this project.

The following special provisions will be incorporated into any construction contract where involvement with sturgeon may occur:

The FDOT has coordinated with the NMFS and USFWS early in the project development stage. The following provisions are intended to avoid/ protect known spawning habitats, nursery areas, feeding areas and thermal refuges.

1. The Florida Department of Transportation (FDOT) shall advise all FDOT project personnel and Contractor personnel on the project that there are civil and criminal penalties for harming, harassing or killing sturgeon. The FDOT and the Contractor will be held responsible for any sturgeon harmed, harassed, or killed as a result of the project activity.
2. The FDOT shall provide information to all FDOT and Contract personnel for identification of sturgeon.
3. Appropriate work shift personnel will be instructed in the appearance, habits, biology, migratory patterns, and preservation of sturgeon. At least one of these trained personnel will be on site during construction activities to maintain a constant surveillance for these species, assure the cessation of activities (such as dredging, excess turbidity, and construction barge activity), which may endanger these species, and assure that uninhibited passage for the animals is provided.
4. Post signs on site warning of the presence of sturgeon, of their endangered status and federal protection, and precautions needed.
5. Turbidity from construction activity will be adequately controlled to prevent degradation of the quality and transparency of the water. When sturgeon are present, turbidity curtains of appropriate dimension will be used to restrict the animals' access to the work area. Pollution booms or turbidity curtains should use tangle resistant or hemp rope when anchoring, or employ surface anchors' to prevent entangling sturgeon. Continuous surveillance will be maintained in order to free animals which may become trapped in silt or turbidity barriers.
6. No dredging of the river bottom will be conducted for barge access.



7. Drilled shaft pile construction will be used whenever prudent and feasible as determined by FDOT.
8. Care shall be taken in lowering equipment or material below the water surface and into the stream bed. These precautions will be taken to ensure no harm occurs to any sturgeon which may enter the construction area undetected.
9. Construction debris shall not be discarded into the water.
10. If the use of explosives is necessary, the following protection measures will be employed for projects in FDOT's District 3
  - a. In riverine areas:
    - No blasting will occur in known spawning, staging, feeding, or nursery areas.
    - In-water explosive work should be avoided between the months of April to October.
    - If explosive work becomes necessary within the April to October time frame, a non-lethal "Fish Scare" charge will be detonated one minute prior to detonation of the underwater blast.
  - b. In estuarine areas:
    - No blasting will occur in known spawning, staging, feeding, or nursery areas.
    - In-water explosive work should be avoided between the months of October to April.
    - If explosive work becomes necessary within the October to April time frame, a non-lethal "Fish Scare" charge will be detonated one minute prior to detonation of the underwater blast.
  - c. In the event that a sturgeon is killed during blasting, the NMFS and the USFWS will be notified immediately.

National Marine Fisheries Service  
by email at:  
takereport.nmfsser@noaa.gov

US Fish and Wildlife Service  
1601 Balboa Ave.  
Panama City, Florida 32405  
Tel: (850) 769-0552

11. Any sturgeon carcass will be secured on site or held in a freezer until an agency representative arranges for its transport for analysis.
12. Following completion of the project, a report summarizing any involvement with sturgeon will be prepared for USFWS and NMFS.