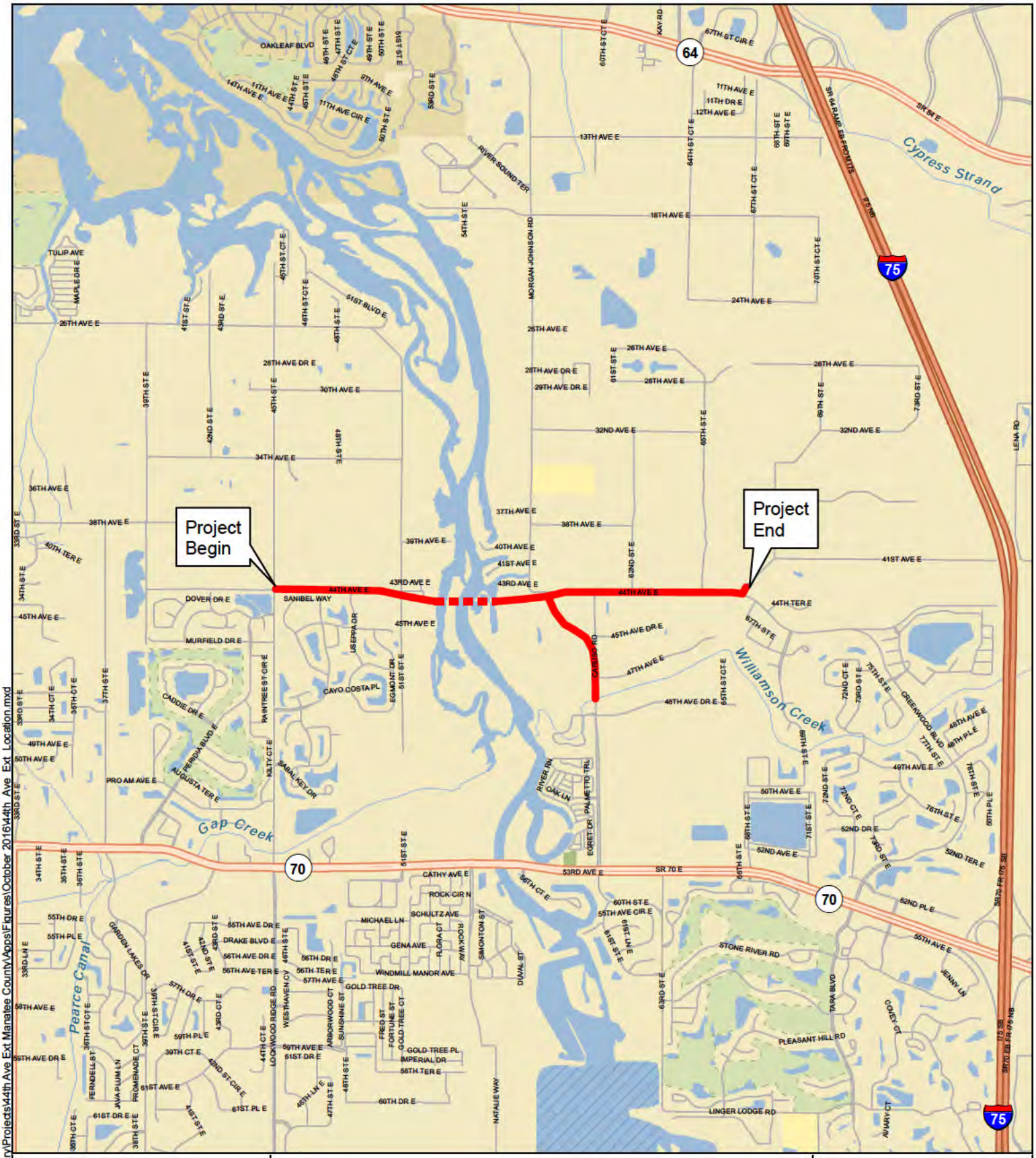

Legend

- Project Limits
- Proposed Bridge Location

Sources:
Street Map- ESRI, 2013

Figure 1
Project Limits Map
44th Ave Bridge Extension
Manatee County, FL

N

0 0.25 0.5 Miles

Document Path: S:\Projects\ GIS\Tertiary\Projects\44th Ave Ext Manatee County\Apps\Figures\October 2016\44th Ave Ext Location.mxd

Legend

Project Area

Sources:
Aerial- FDOT, 2014

Figure 2
Project Area Boundaries
44th Ave Bridge Extension
Manatee County, FL

N

0 0.125 0.25 Miles

Document Path: S:\Projects\ GIS\Tertiary\Projects\44th Ave Ext Manatee County\Aops\Figures\October 2016\44th Ave Ext Extents.mxd

WETLAND IMPACTS

COUNTY PROJECT NUMBER 6086960

MANATEE COUNTY

44th AVENUE EAST – BRADEN RIVER SEGMENT
(45th STREET EAST T0 44th AVENUE PLAZA EAST)

JULY 2016

N

FISCAL YEAR	SHEET NO.
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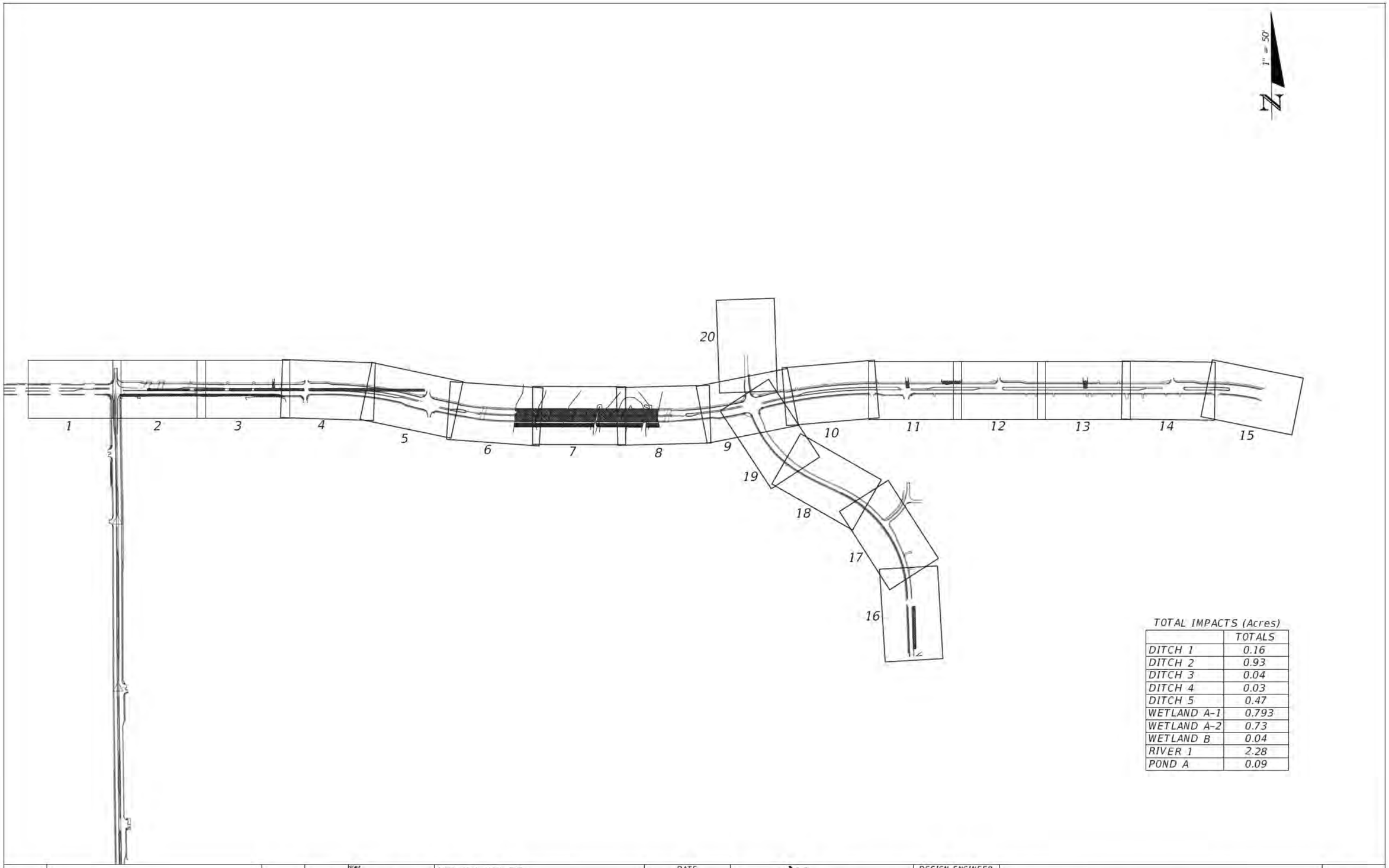

TOTAL IMPACTS (Acres)

	TOTALS
DITCH 1	0.16
DITCH 2	0.93
DITCH 3	0.04
DITCH 4	0.03
DITCH 5	0.47
WETLAND A-1	0.793
WETLAND A-2	0.73
WETLAND B	0.04
RIVER 1	2.28
POND A	0.09

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

Michael A. Holt, P.E.
P.E. NO. 76111
AECOM TECHNICAL SERVICES, INC.
7650 WEST COURTNEY CAMPBELL CAUSEWAY
TAMPA, FL 33607-1462
(813) 286-1711
CERTIFICATE OF AUTHORIZATION 8115

DATE: 8/10/2016
PROJECT NO: 60430213

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER
FL LICENSE NO

PROJECT LAYOUT

SHEET NO: 2

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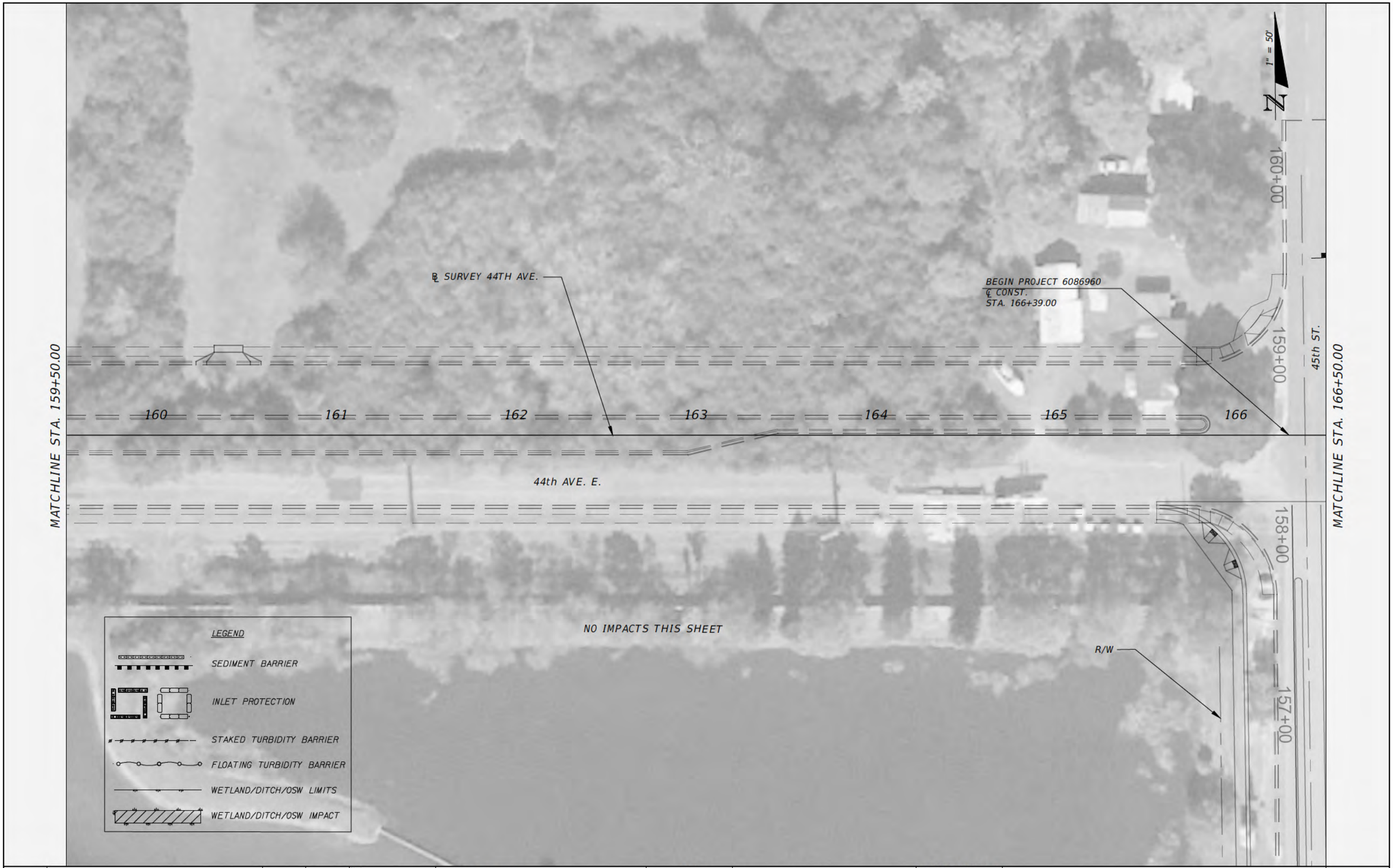

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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Michael A Holt, P E
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AECOM TECHNICAL SERVICES, INC
7650 WEST COURTNEY CAMPBELL CAUSEWAY
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CERTIFICATE OF AUTHORIZATION 8115

DATE: 10/4/2016
PROJECT NO: 60430213

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 1

SHEET NO: 3

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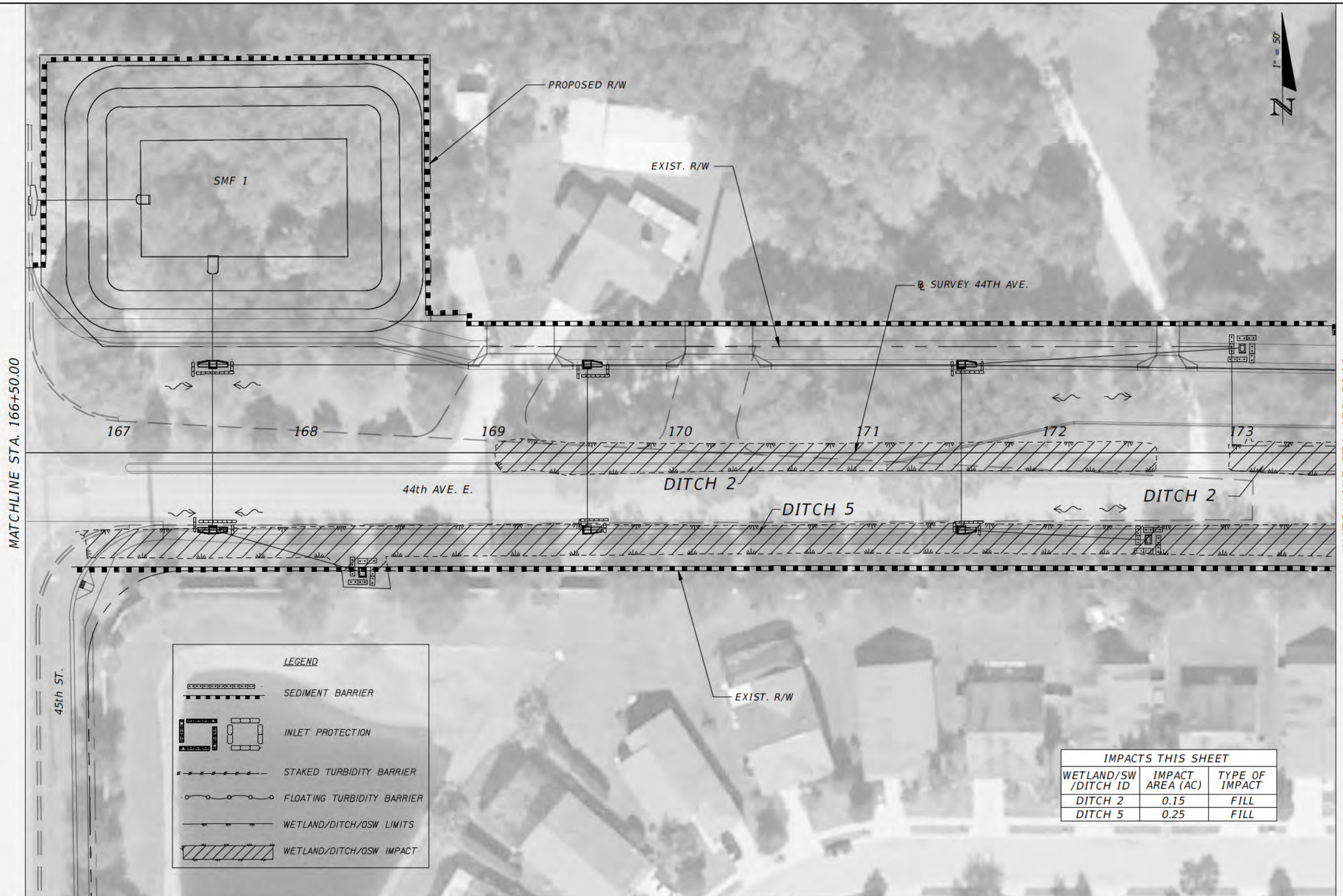

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DITCH 5	0.25	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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Michael A Holt, P E
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DATE: 10/4/2016
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Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
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1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 2

SHEET NO: 4

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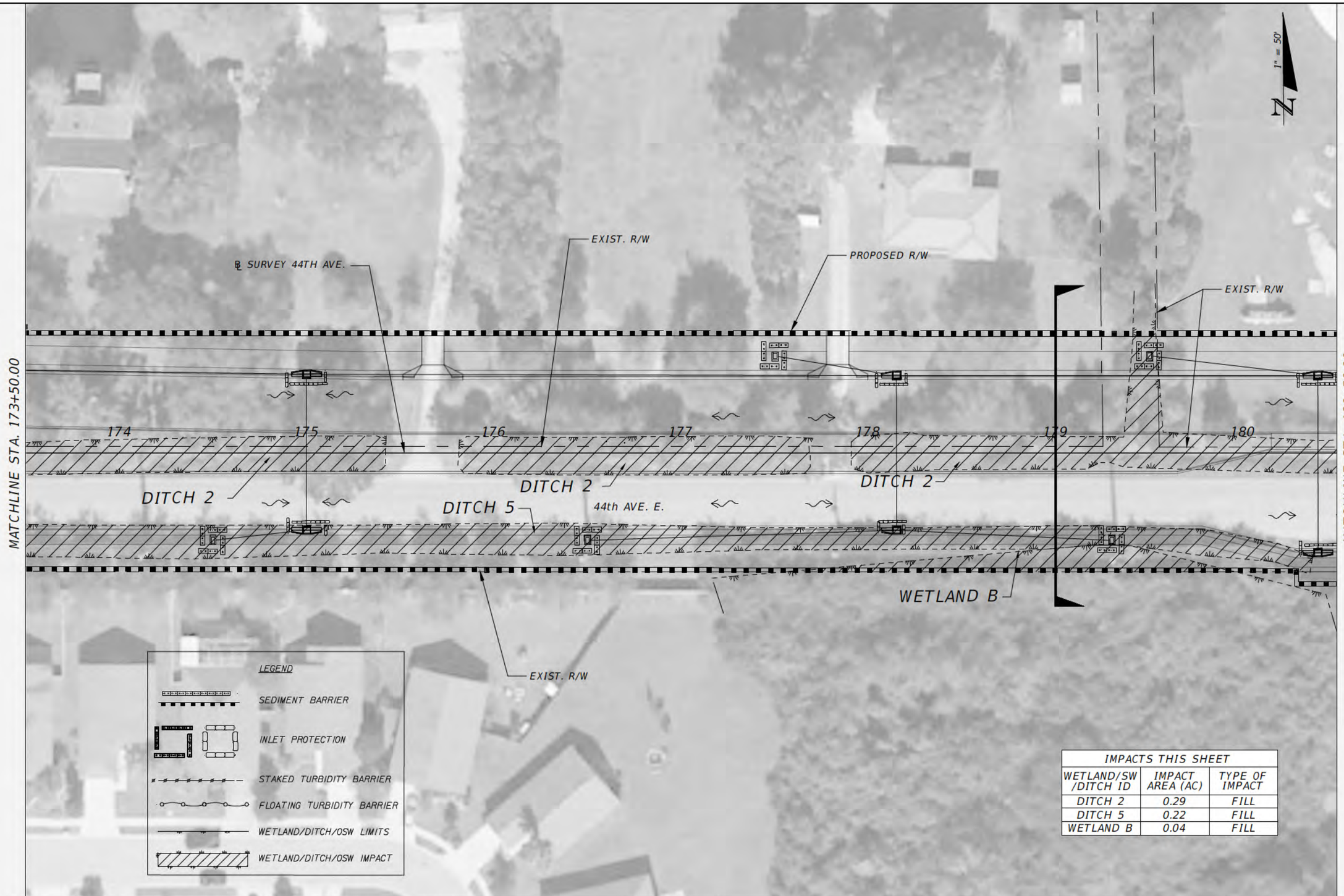

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DITCH 5	0.22	FILL
WETLAND B	0.04	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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DESIGN ENGINEER: Michael A Holt, P E
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WETLAND IMPACTS - 3

SHEET NO: 5

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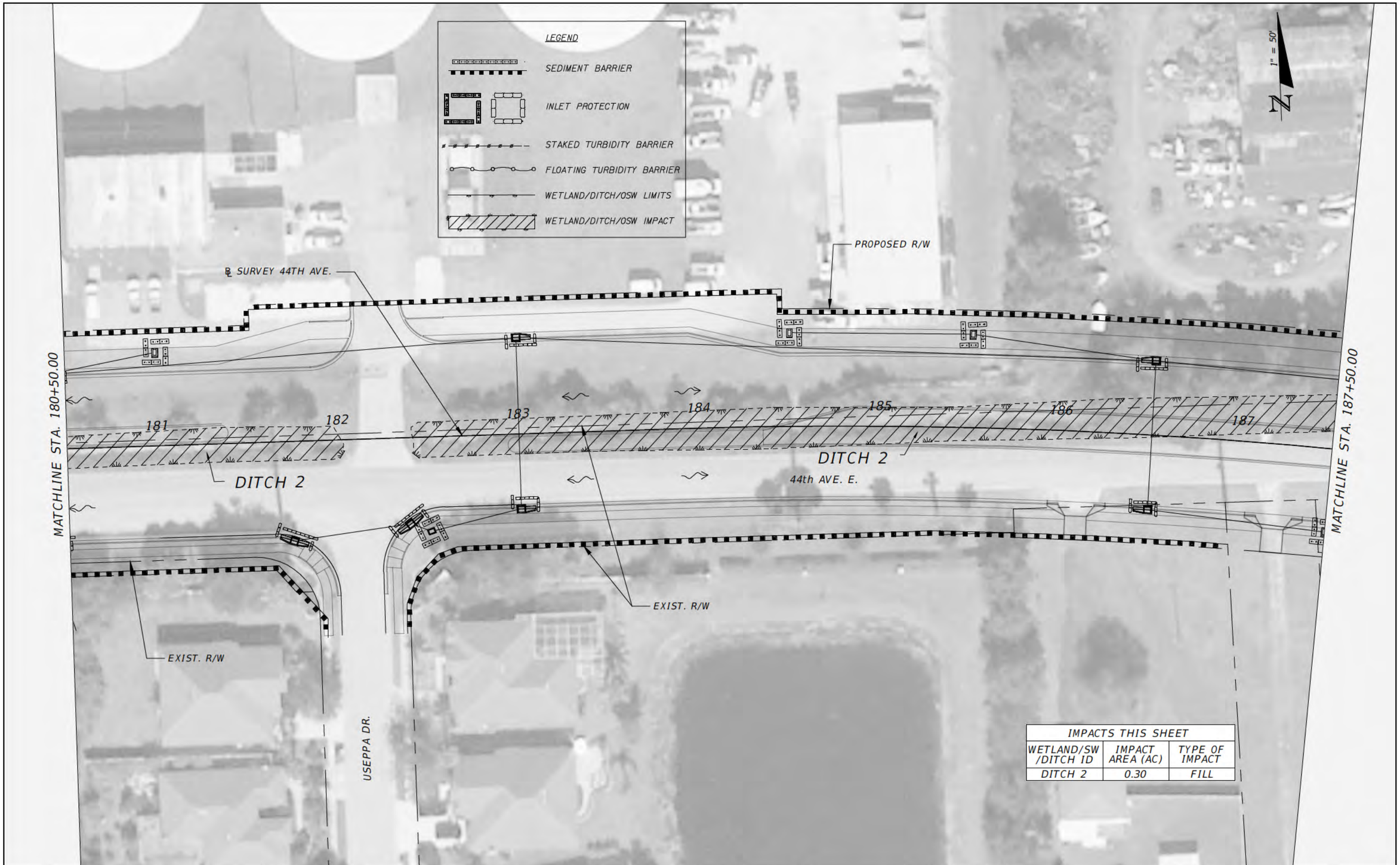

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DITCH 2	0.30	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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WETLAND IMPACTS - 4

SHEET NO: 6

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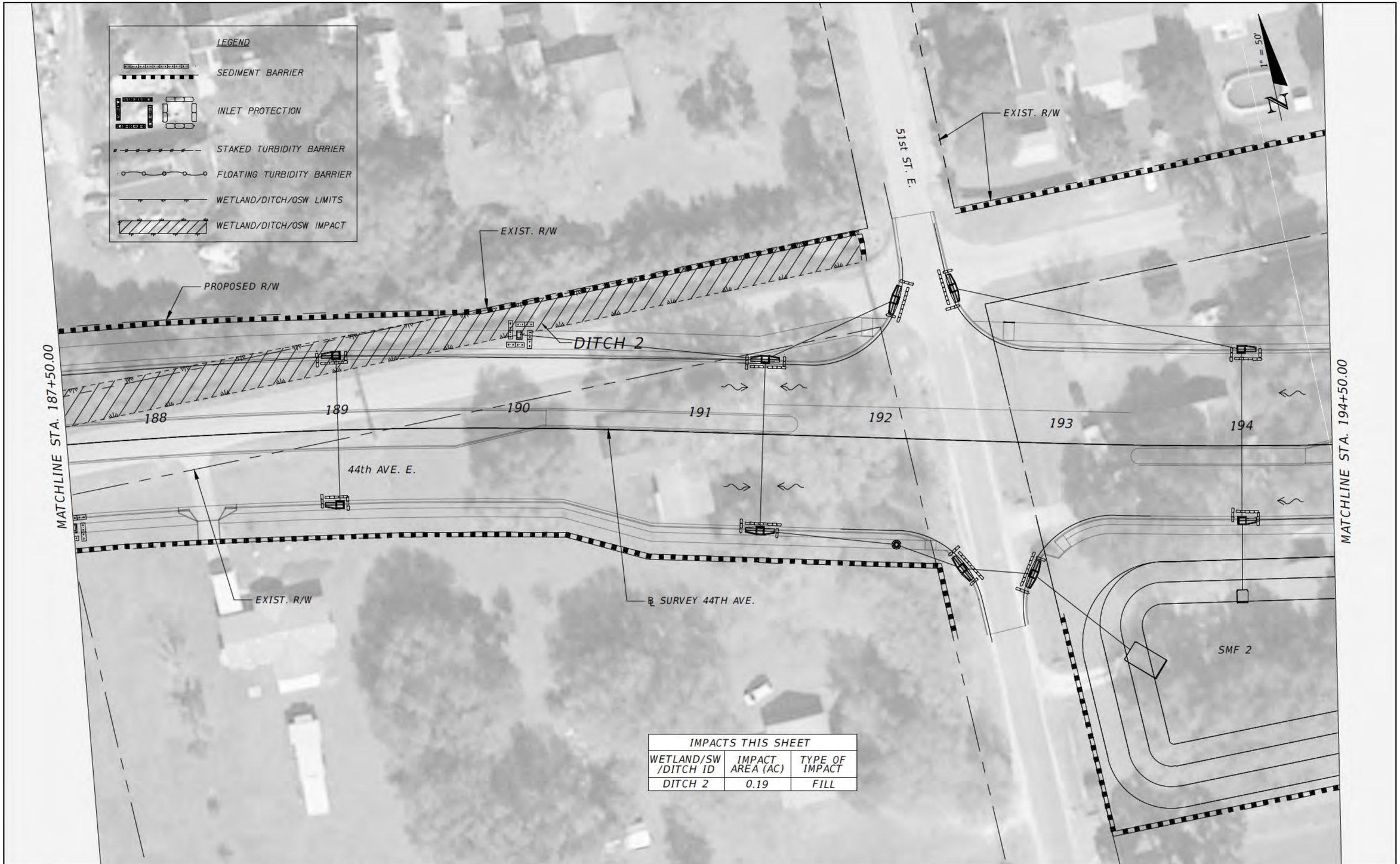

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WETLAND/SW /DITCH ID	IMPACT AREA (AC)	TYPE OF IMPACT
DITCH 2	0.19	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 5

SHEET NO: 7

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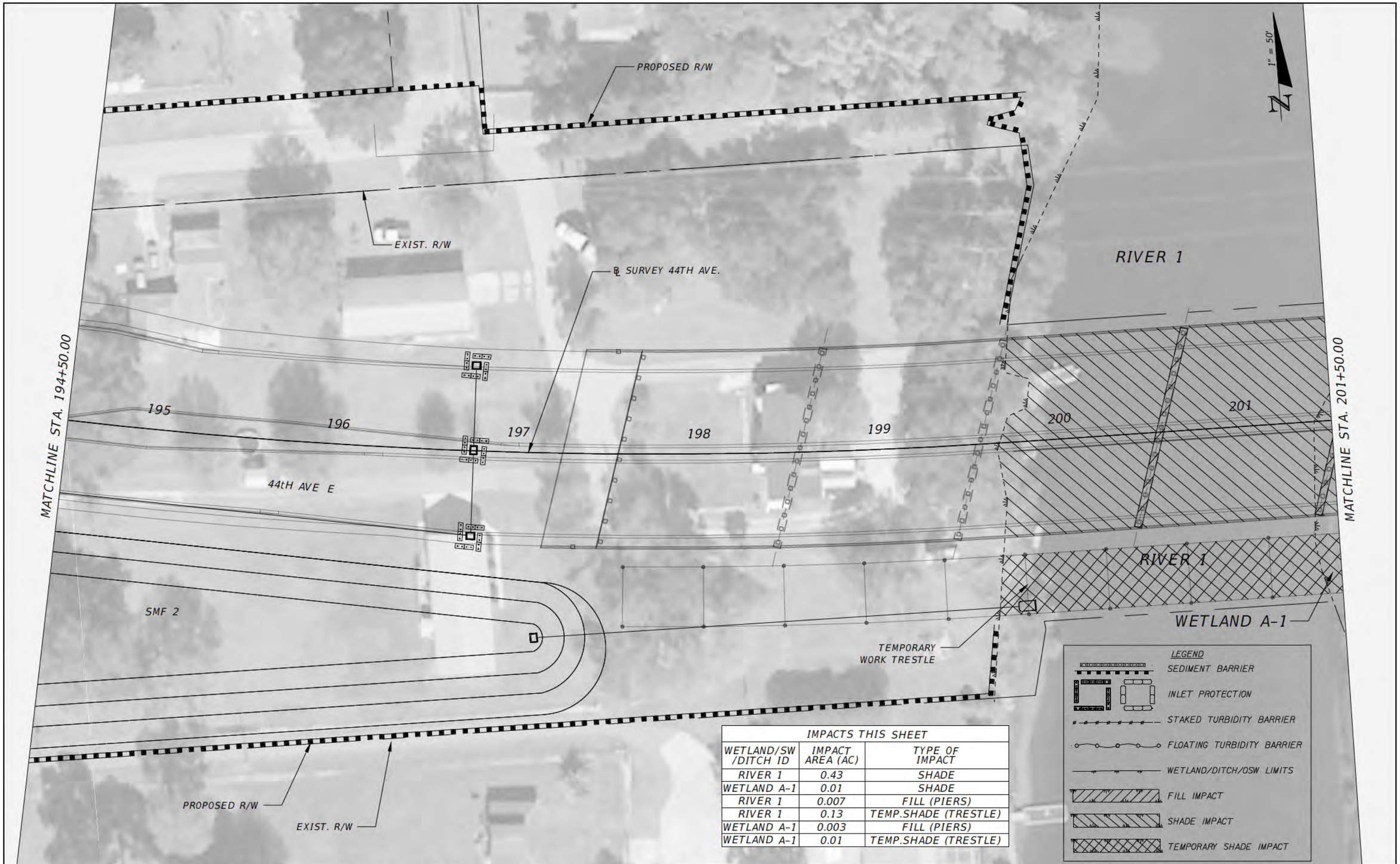

IMPACTS THIS SHEET

WETLAND/SW /DITCH ID	IMPACT AREA (AC)	TYPE OF IMPACT
RIVER 1	0.43	SHADE
WETLAND A-1	0.01	SHADE
RIVER 1	0.007	FILL (PIERS)
RIVER 1	0.13	TEMP.SHADE (TRESTLE)
WETLAND A-1	0.003	FILL (PIERS)
WETLAND A-1	0.01	TEMP.SHADE (TRESTLE)

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 6

SHEET NO: 8

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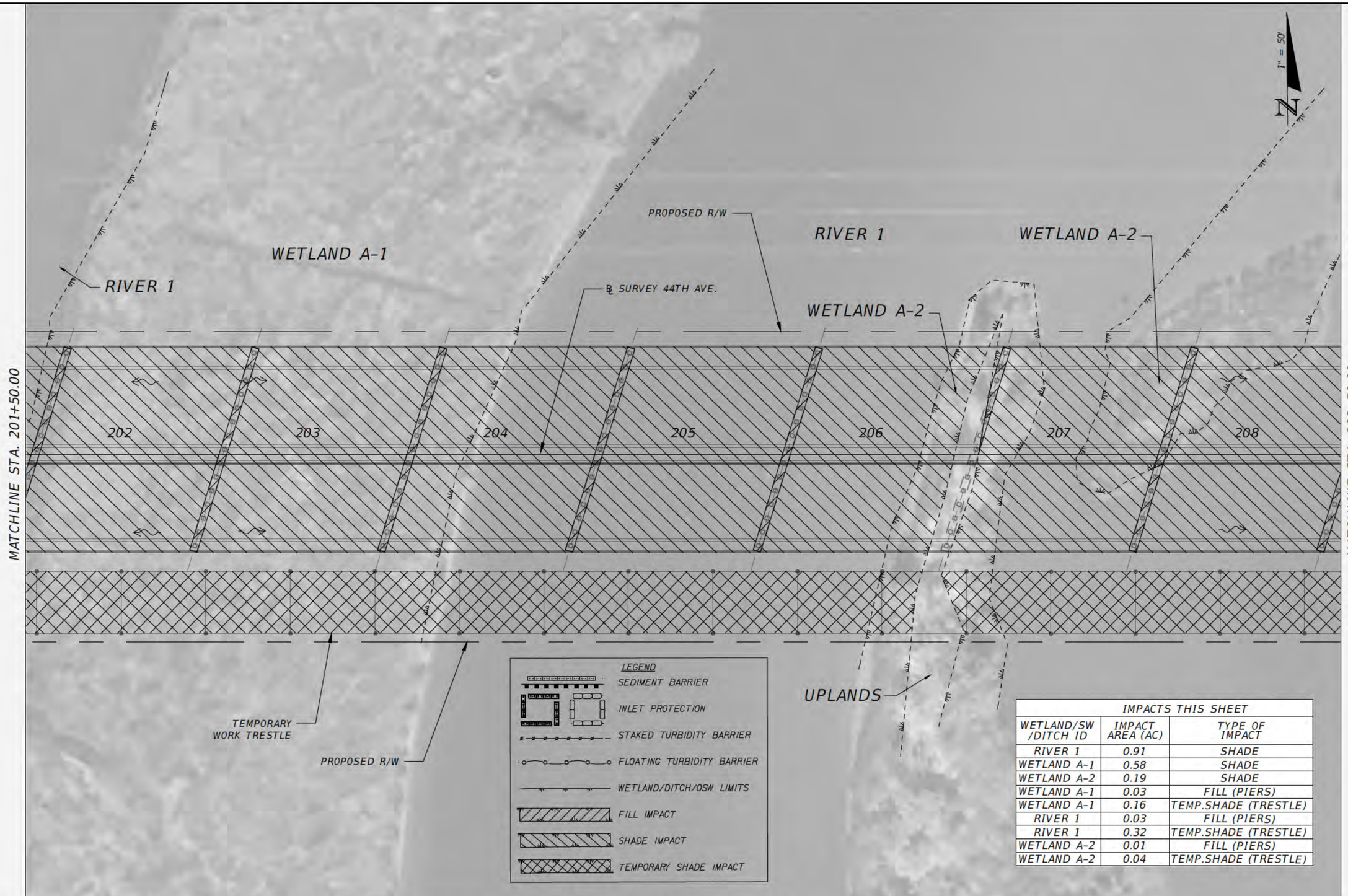

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WETLAND A-1	0.58	SHADE
WETLAND A-2	0.19	SHADE
WETLAND A-1	0.03	FILL (PIERS)
WETLAND A-1	0.16	TEMP.SHADE (TRESTLE)
RIVER 1	0.03	FILL (PIERS)
RIVER 1	0.32	TEMP.SHADE (TRESTLE)
WETLAND A-2	0.01	FILL (PIERS)
WETLAND A-2	0.04	TEMP.SHADE (TRESTLE)

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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FL LICENSE NO: 76111

WETLAND IMPACTS - 7

SHEET NO: 9

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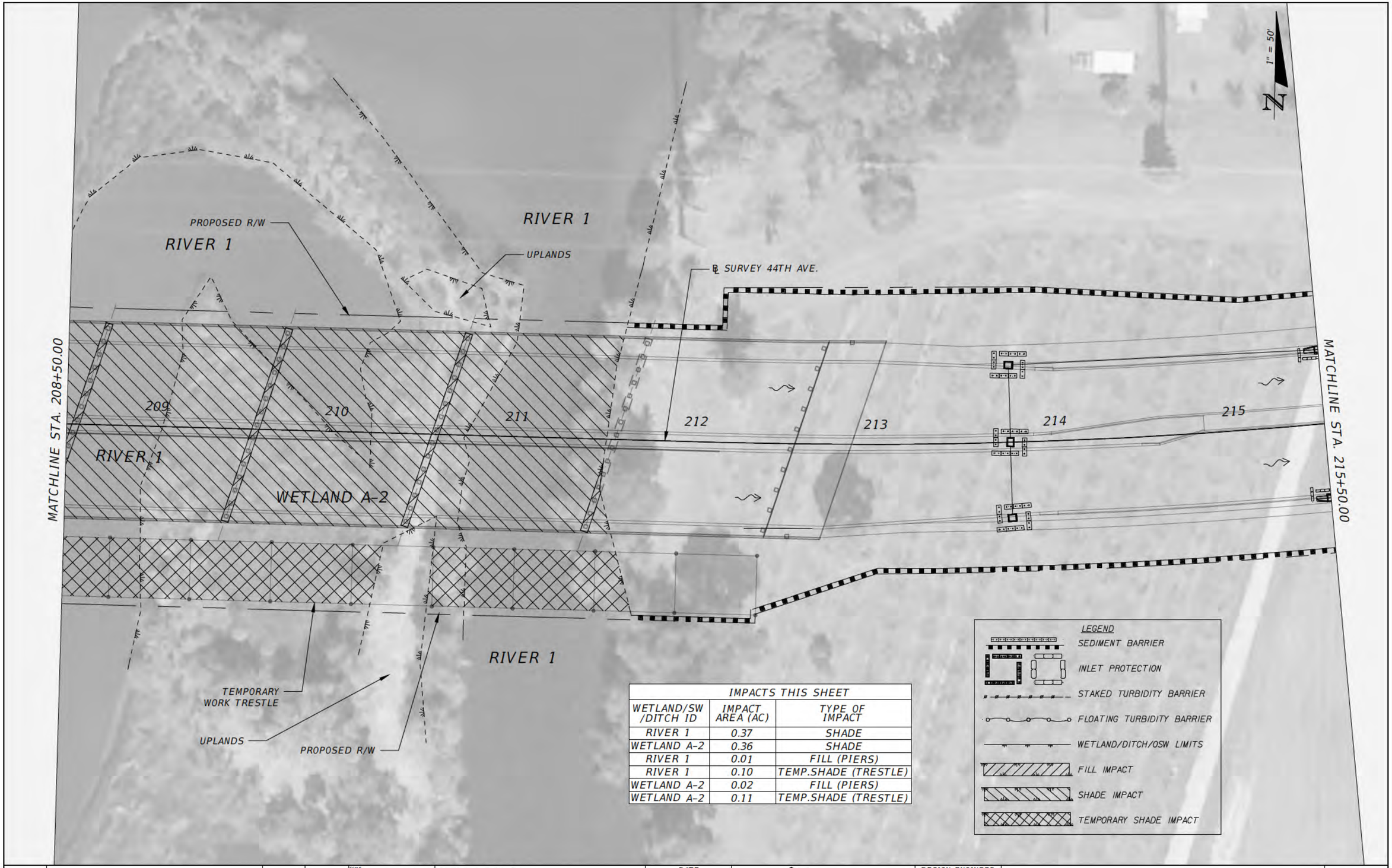

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WETLAND A-2	0.36	SHADE
RIVER 1	0.01	FILL (PIERS)
RIVER 1	0.10	TEMP.SHADE (TRESTLE)
WETLAND A-2	0.02	FILL (PIERS)
WETLAND A-2	0.11	TEMP.SHADE (TRESTLE)

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 8

SHEET NO: 10

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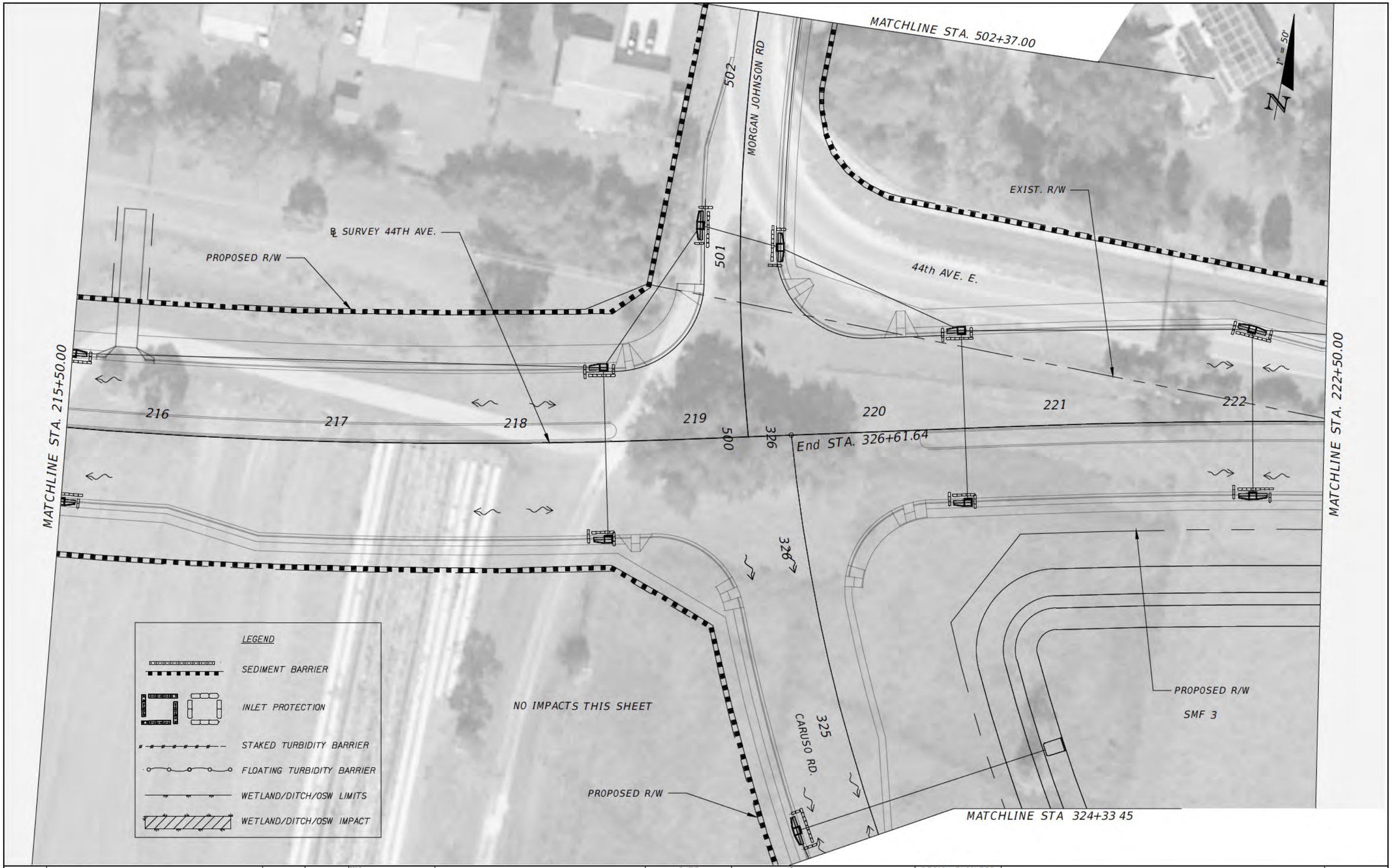

No	REVISIONS	DATE	BY

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Manatee County FLORIDA
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FL LICENSE NO: 76111

WETLAND IMPACTS - 9

SHEET NO: 11

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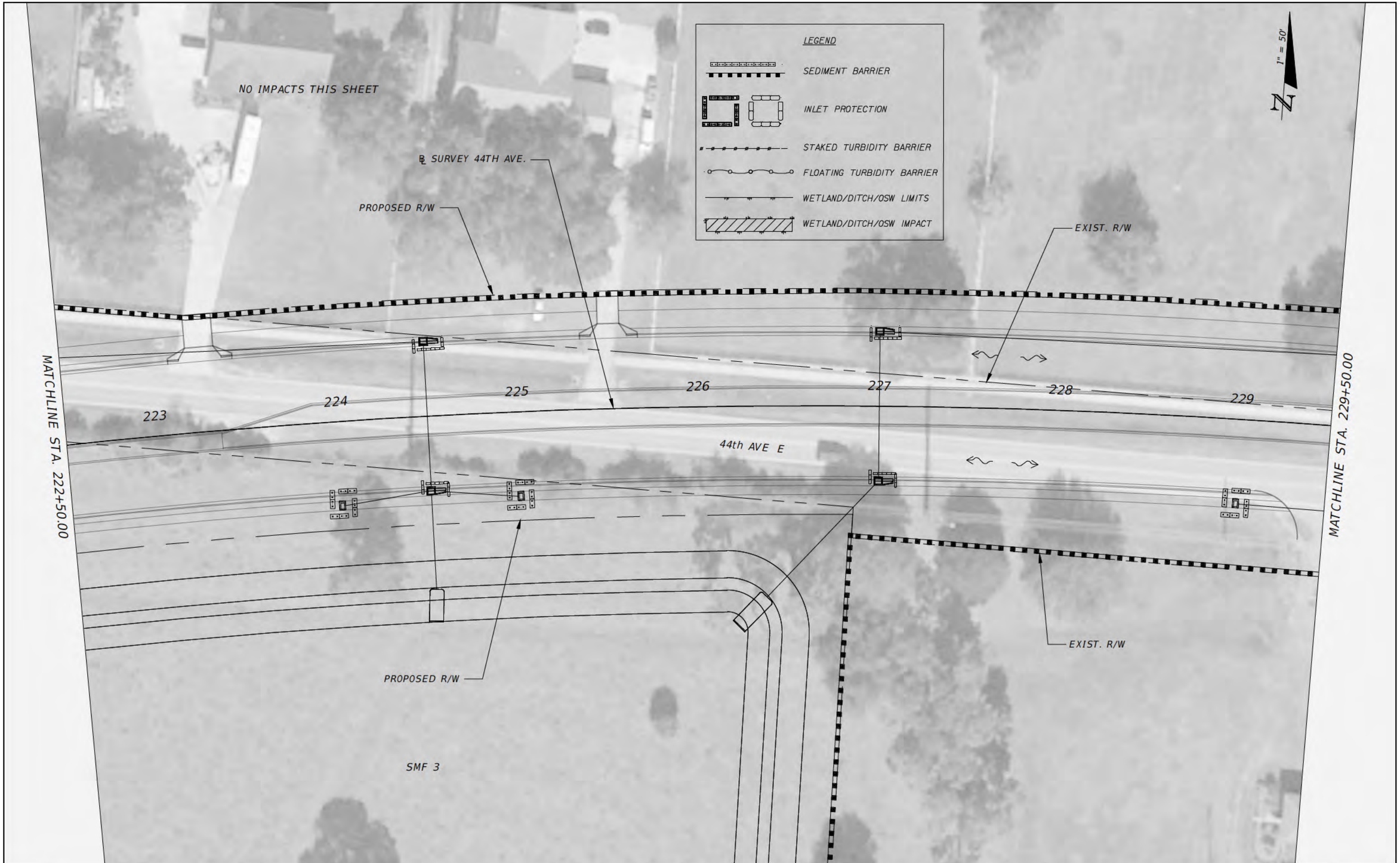

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WETLAND IMPACTS - 10

SHEET NO: 12

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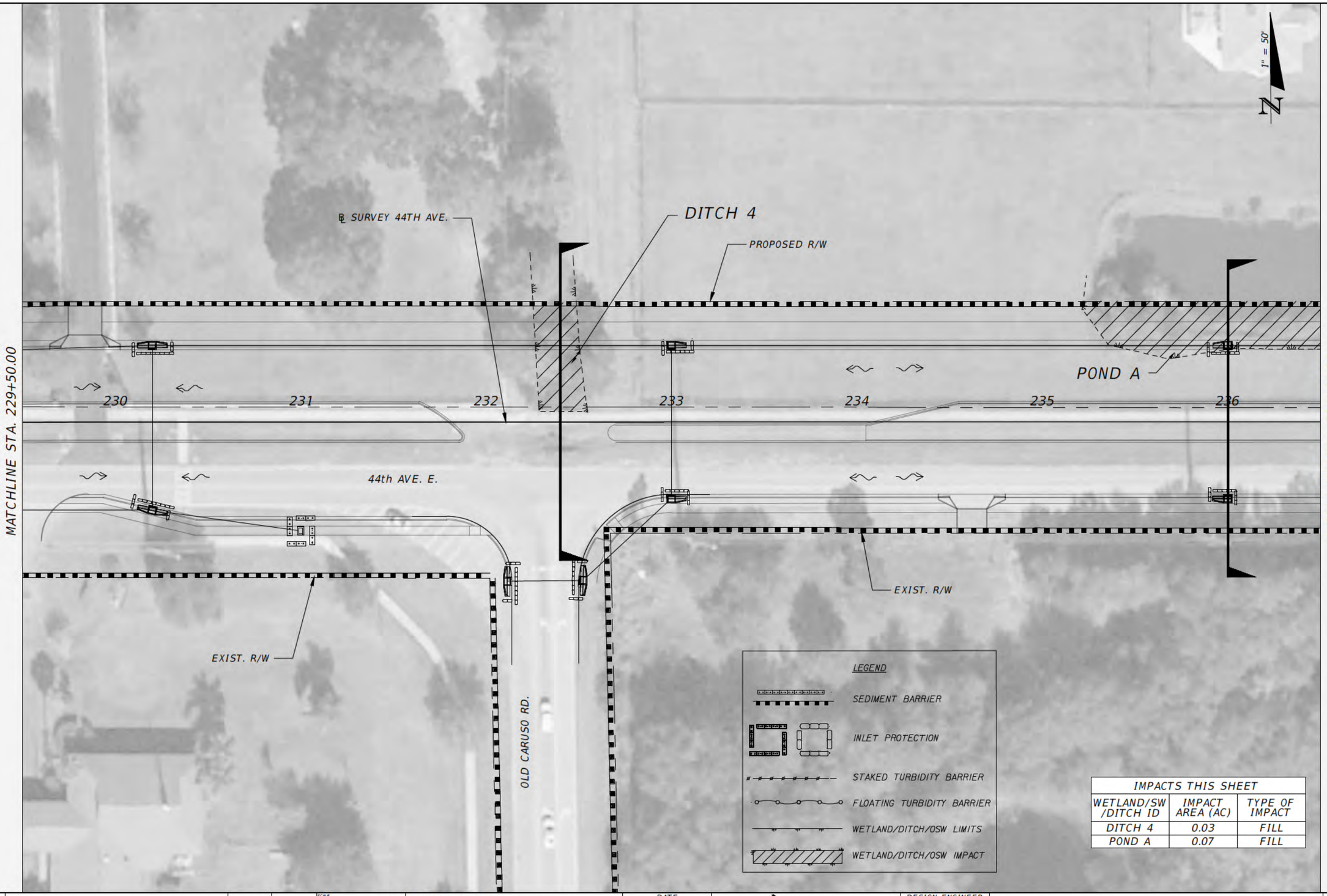

IMPACTS THIS SHEET		
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POND A	0.07	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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FL LICENSE NO: 76111

WETLAND IMPACTS - 11

SHEET NO: 13

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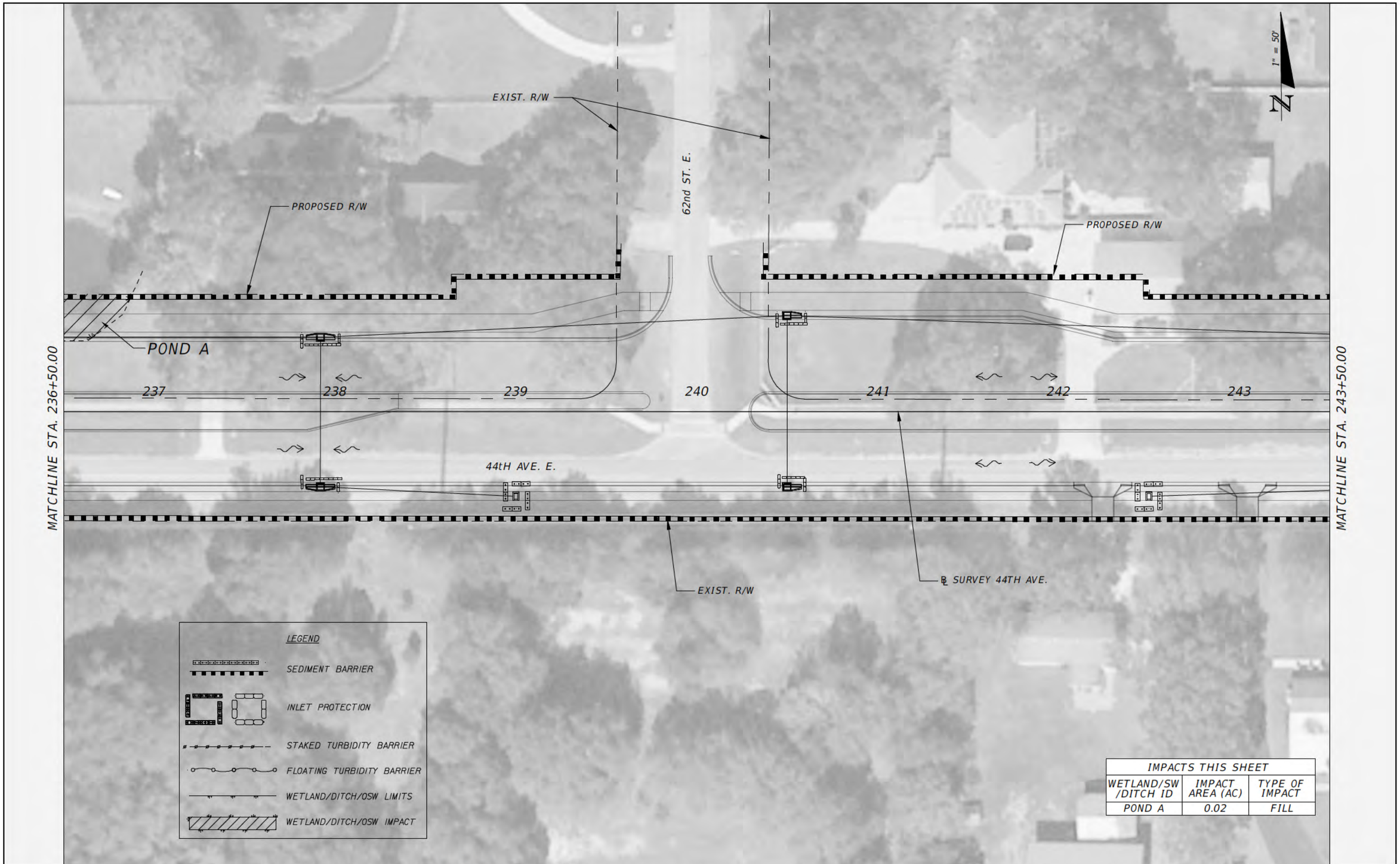

IMPACTS THIS SHEET		
WETLAND/SW /DITCH ID	IMPACT AREA (AC)	TYPE OF IMPACT
POND A	0.02	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

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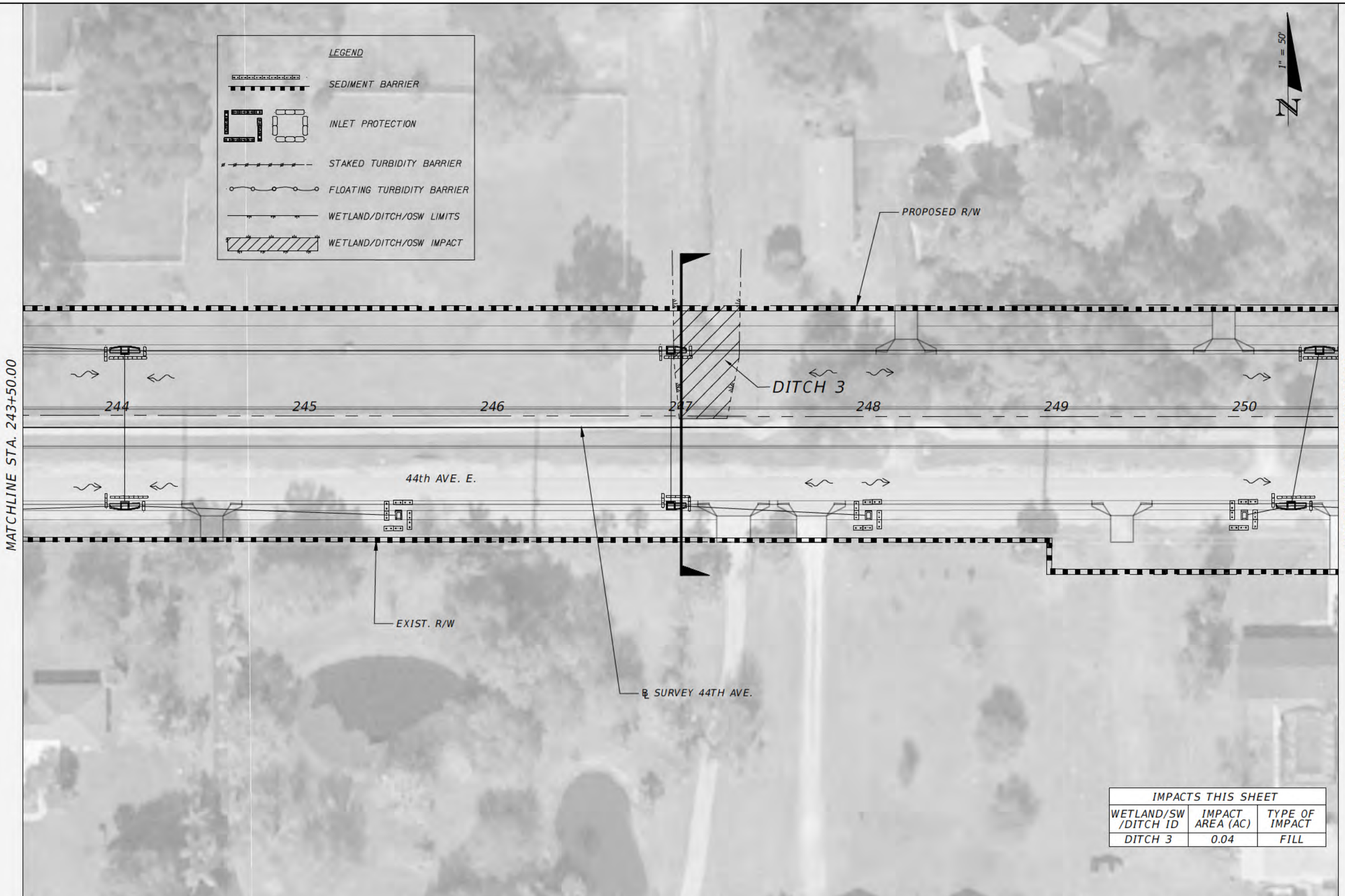
FL LICENSE NO: 76111

WETLAND IMPACTS - 12

SHEET NO: 14

Floyd, Cindy 10/4/2016 2:17:54 PM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland



IMPACTS THIS SHEET		
WETLAND/SW /DITCH ID	IMPACT AREA (AC)	TYPE OF IMPACT
DITCH 3	0.04	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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CHECKED BY

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DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 13

SHEET NO: 15

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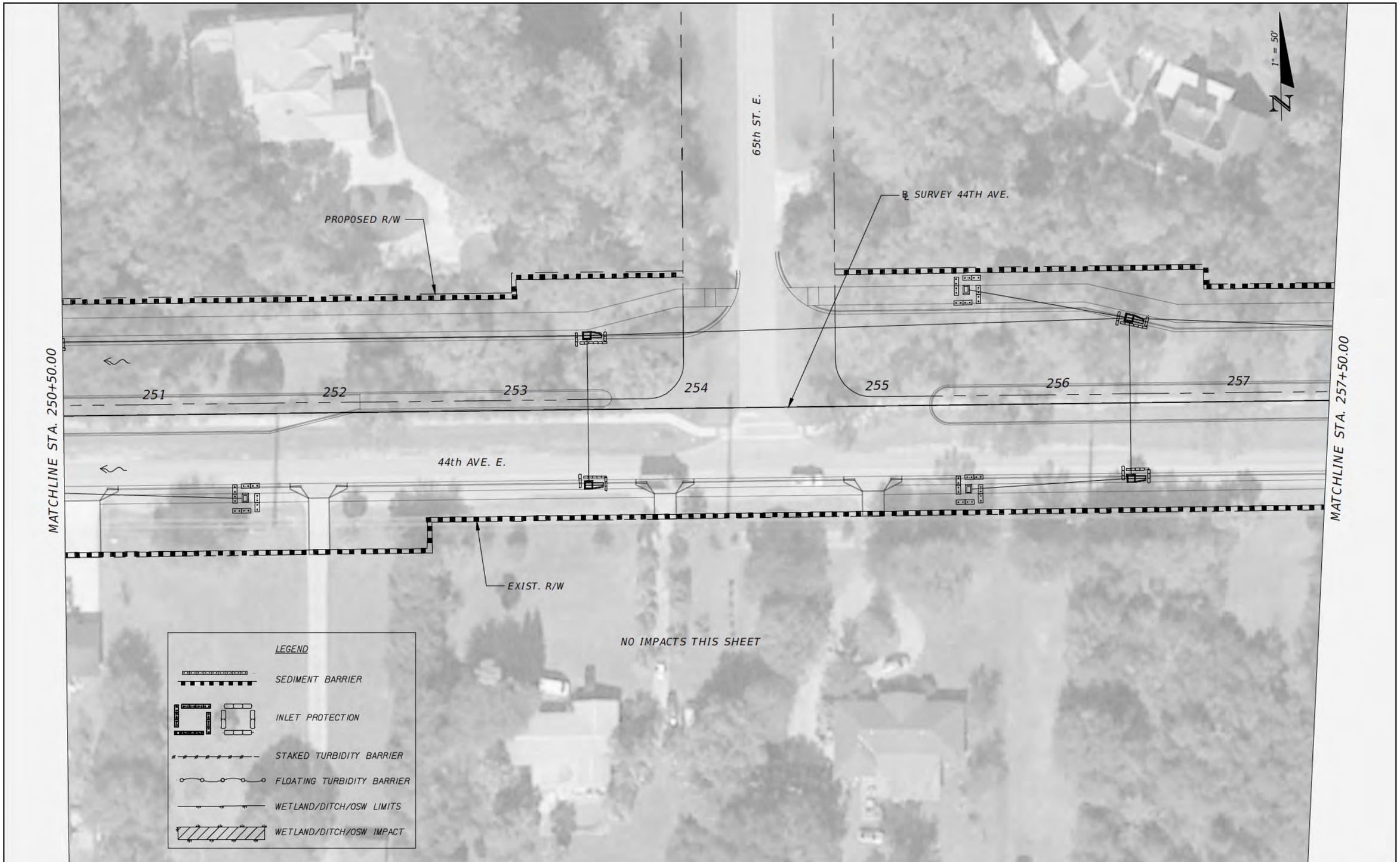

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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CHECKED BY

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FL LICENSE NO: 76111

WETLAND IMPACTS - 14

SHEET NO: 16

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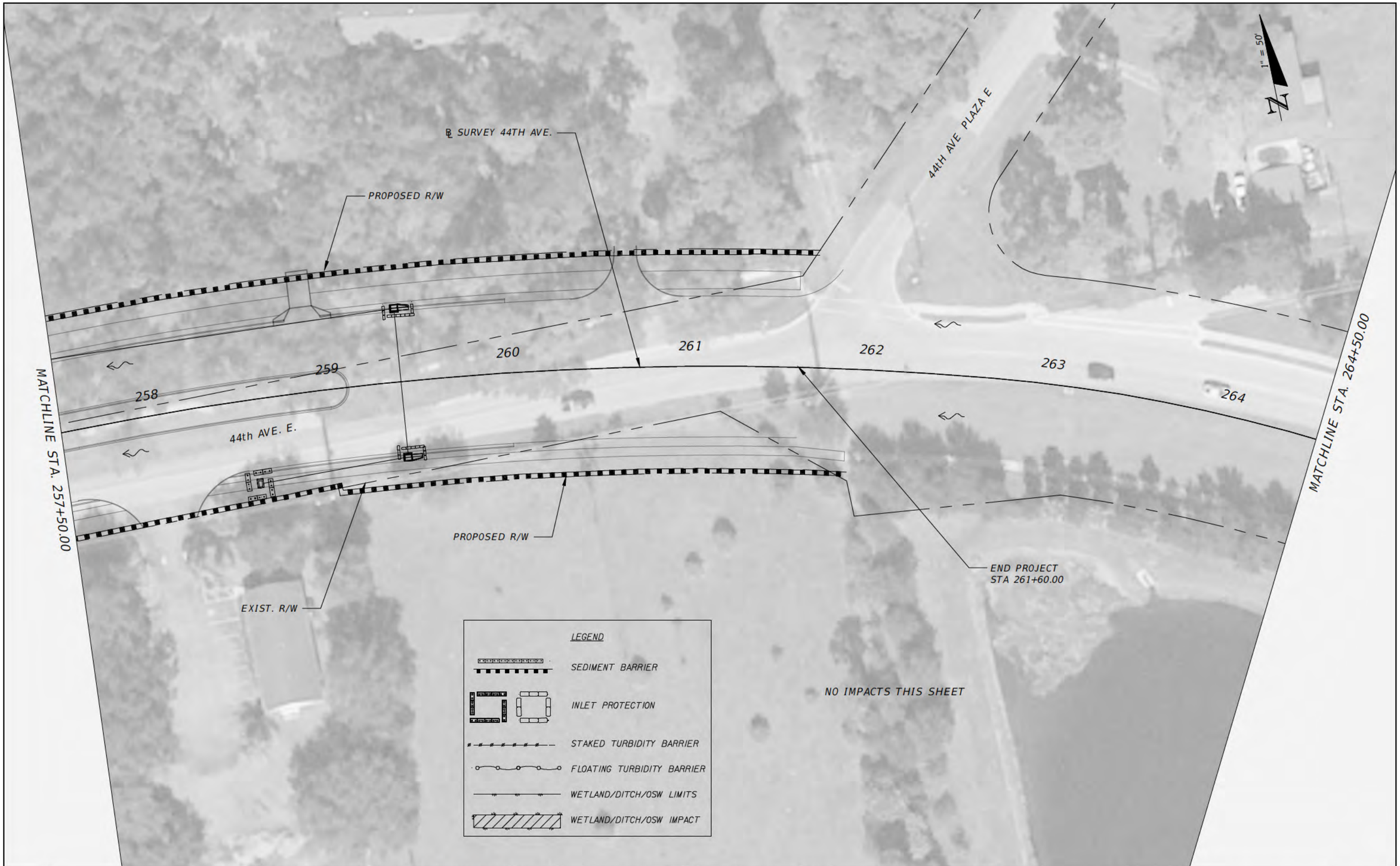

No	REVISIONS	DATE	BY

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WETLAND IMPACTS - 15

SHEET NO: 17

Floyd, Cindy 10/4/2016 2:17:54 PM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland

BEGIN CONST. ℄ CARUSO RD.
STA. 300+00.00
℄ OLD CARUSO RD.
STA. 903+56.05, 10.98' RT.

℄ CARUSO RD.

PROPOSED R/W

Beg. STA. 300+00.00

300 301 302 CARUSO RD. 303 304 305 306

PC STA. 305+26.55

MATCHLINE STA. 307+00.00

WETLAND

DITCH 1

47th AVE. E.

N

1" = 50'

LEGEND

SEDIMENT BARRIER

INLET PROTECTION

STAKED TURBIDITY BARRIER

FLOATING TURBIDITY BARRIER

WETLAND/DITCH/OSW LIMITS

WETLAND/DITCH/OSW IMPACT

IMPACTS THIS SHEET		
WETLAND/SW /DITCH ID	IMPACT AREA (AC)	TYPE OF IMPACT
DITCH 1	0.16	FILL

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

Michael A Holt, P E
P E NO 76111
AECOM TECHNICAL SERVICES, INC
7650 WEST COURTNEY CAMPBELL CAUSEWAY
TAMPA, FL 33607-1462
(813) 286-1711
CERTIFICATE OF AUTHORIZATION 8115

DATE: 10/4/2016

PROJECT NO: 60430213

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E

FL LICENSE NO: 76111

WETLAND IMPACTS - 16

SHEET NO: 18

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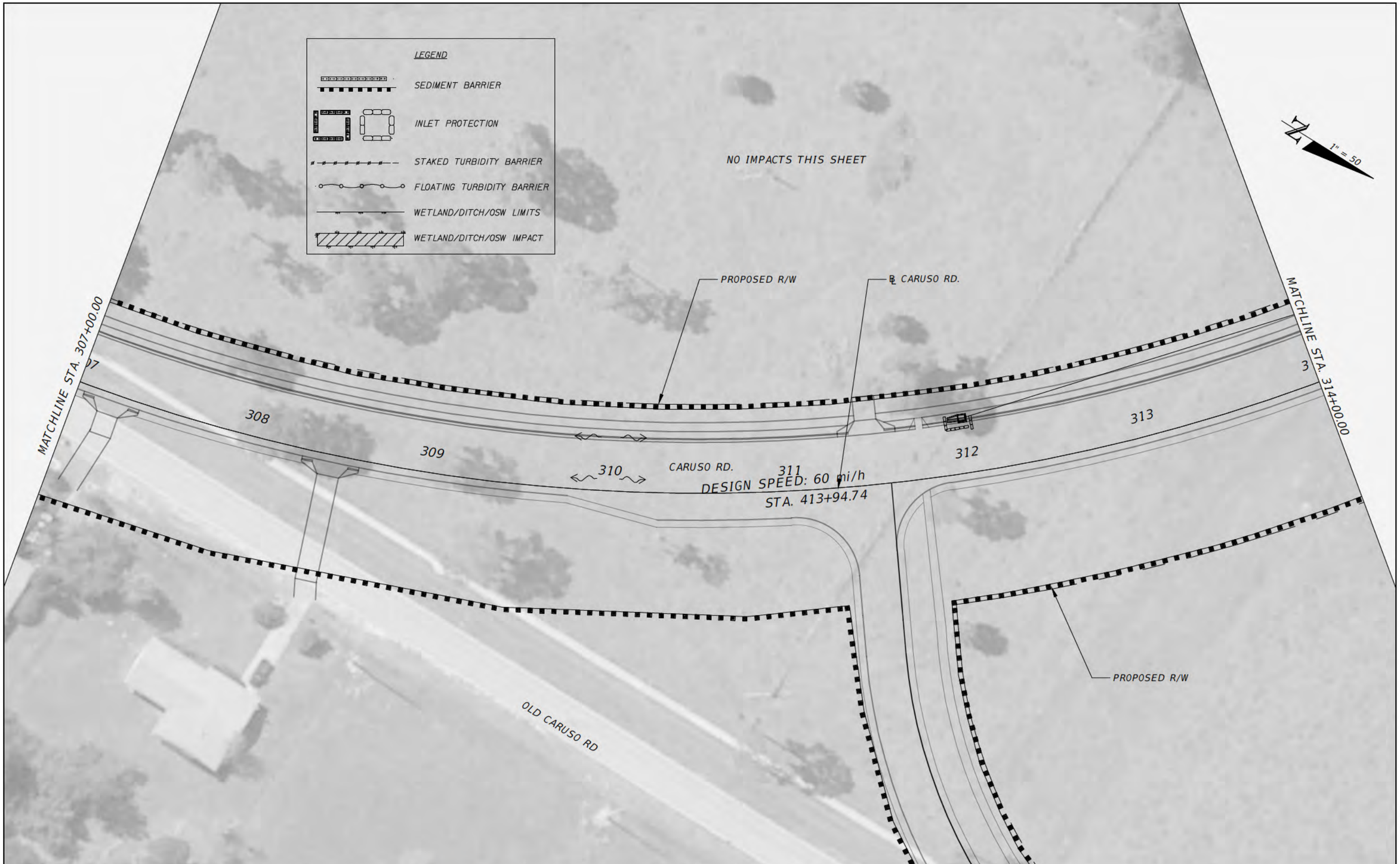

No	REVISIONS	DATE	BY

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Michael A Holt, P E
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Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 17

SHEET NO: 19

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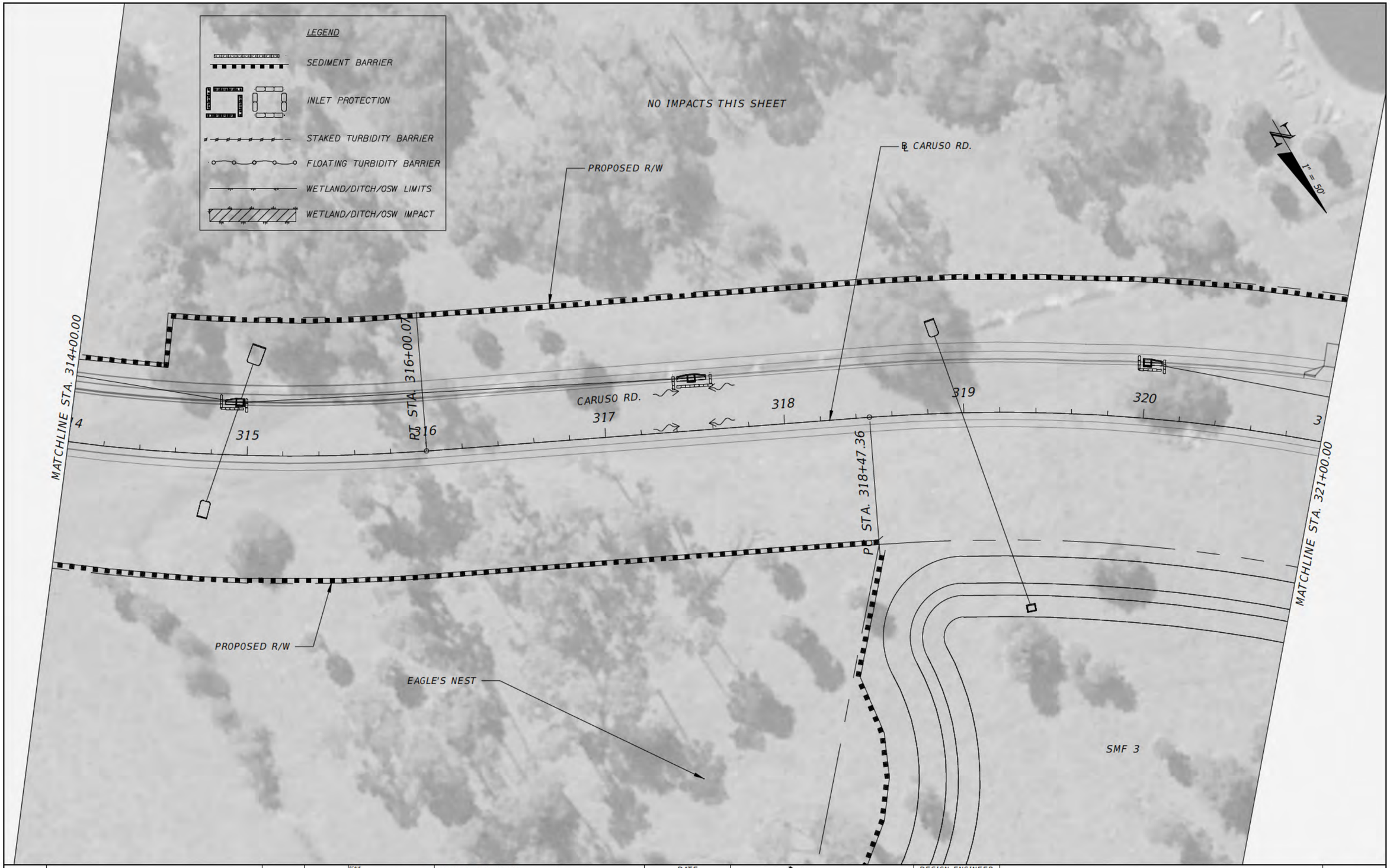

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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Michael A Holt, P E
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7650 WEST COURTNEY CAMPBELL CAUSEWAY
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CERTIFICATE OF AUTHORIZATION 8115

DATE: 10/6/2016
PROJECT NO: 60430213

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 18

SHEET NO: 20

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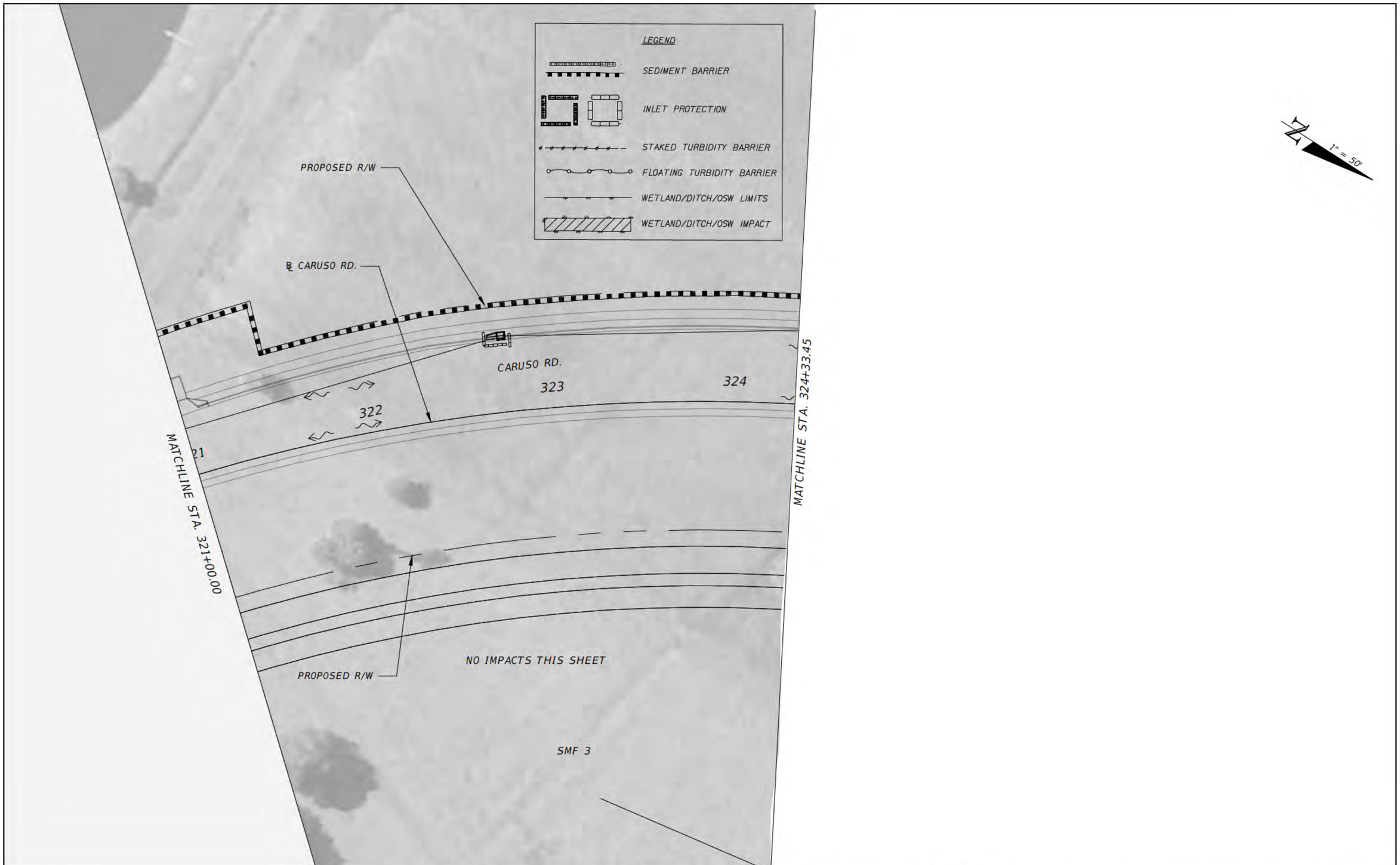

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

Michael A Holt, P E
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AECOM TECHNICAL SERVICES, INC
7650 WEST COURTNEY CAMPBELL CAUSEWAY
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(813) 286-1711
CERTIFICATE OF AUTHORIZATION 8115

DATE: 10/4/2016
PROJECT NO: 60430213

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 19

SHEET NO: 21

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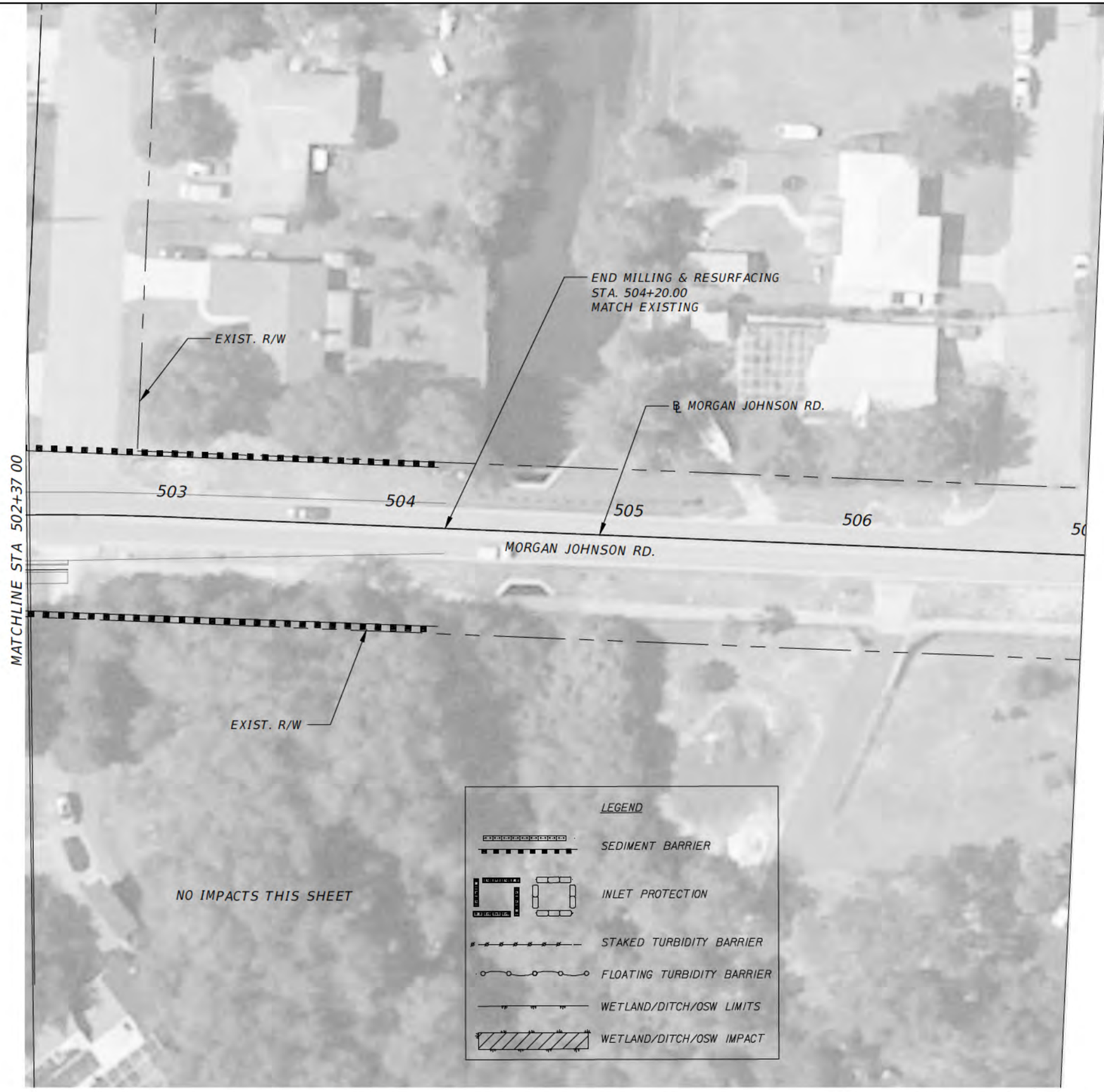

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

Michael A Holt, P E
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7650 WEST COURTNEY CAMPBELL CAUSEWAY
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CERTIFICATE OF AUTHORIZATION 8115

DATE: 10/4/2016
PROJECT NO: 60430213

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER: Michael A Holt, P E
FL LICENSE NO: 76111

WETLAND IMPACTS - 20

SHEET NO: 22

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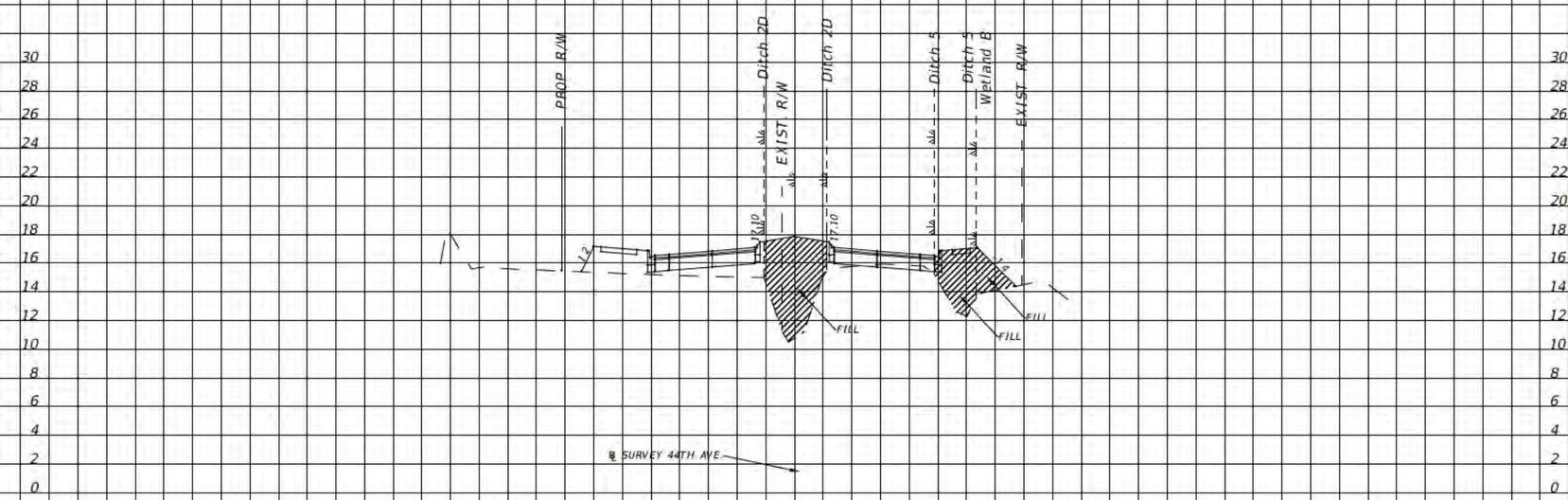
Regular Exc		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)



179+00.00

1" = 40' Horizontal
1" = 10' Vertical

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
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MICHAEL A HOLT, P E
P E NO 76111
AECOM TECHNICAL SERVICES, INC
7650 WEST COURTNEY CAMPBELL CAUSEWAY
TAMPA, FL 33607-1462
(813) 286-1711
CERTIFICATE OF AUTHORIZATION 8115

DATE

PROJECT NO
6086960

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER
MICHAEL A HOLT, P E

FL LICENSE NO
76111

DITCH 2, DITCH 5, WL B CROSS SECTION

SHEET NO
23

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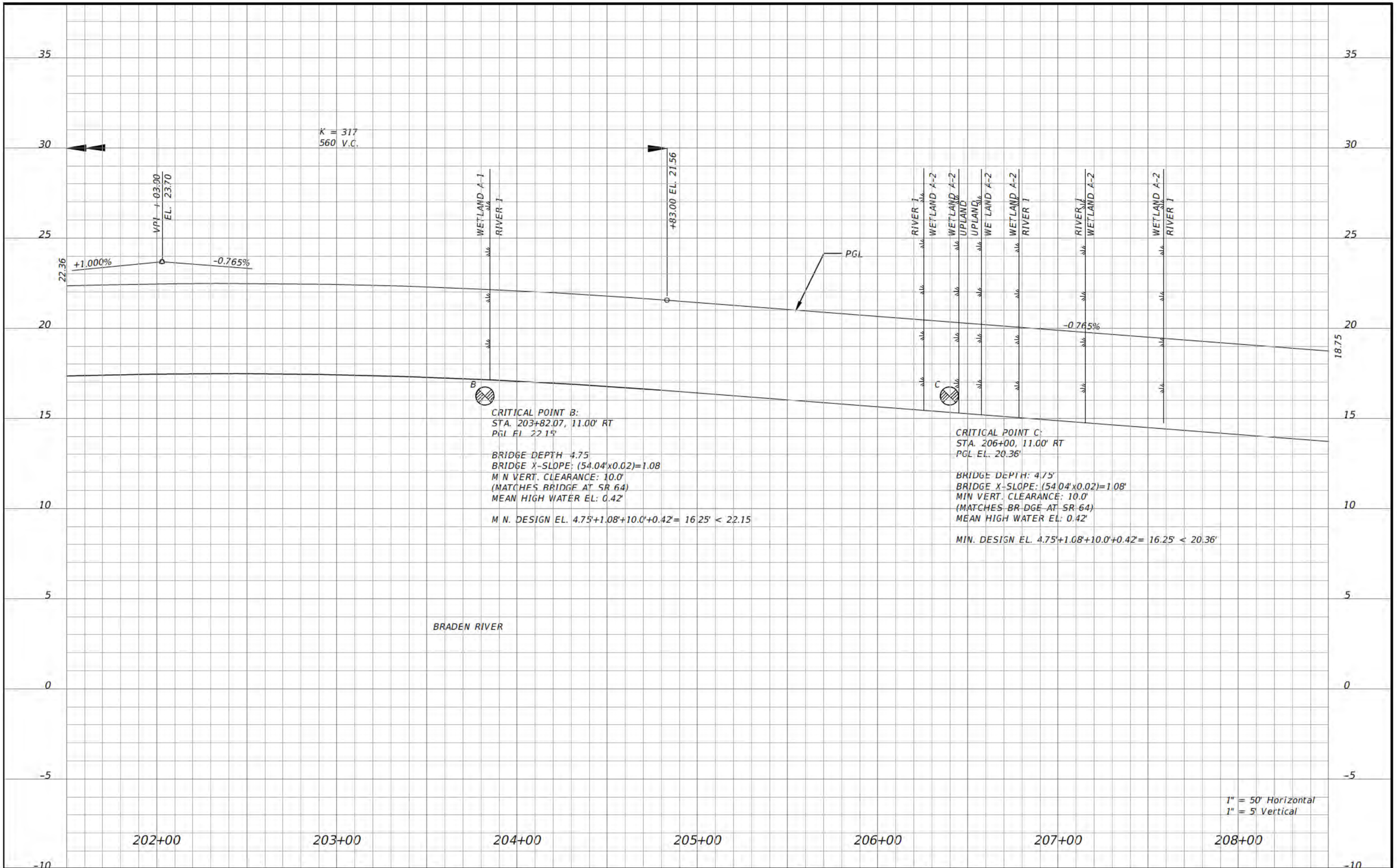

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
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MICHAEL A HOLT, P E
P E NO 76111
AECOM TECHNICAL SERVICES, INC
7650 WEST COURTNEY CAMPBELL CAUSEWAY
TAMPA, FL 33607-1462
(813) 286-1711
CERTIFICATE OF AUTHORIZATION 8115

DATE: 08/05/16
PROJECT NO: 6086960

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

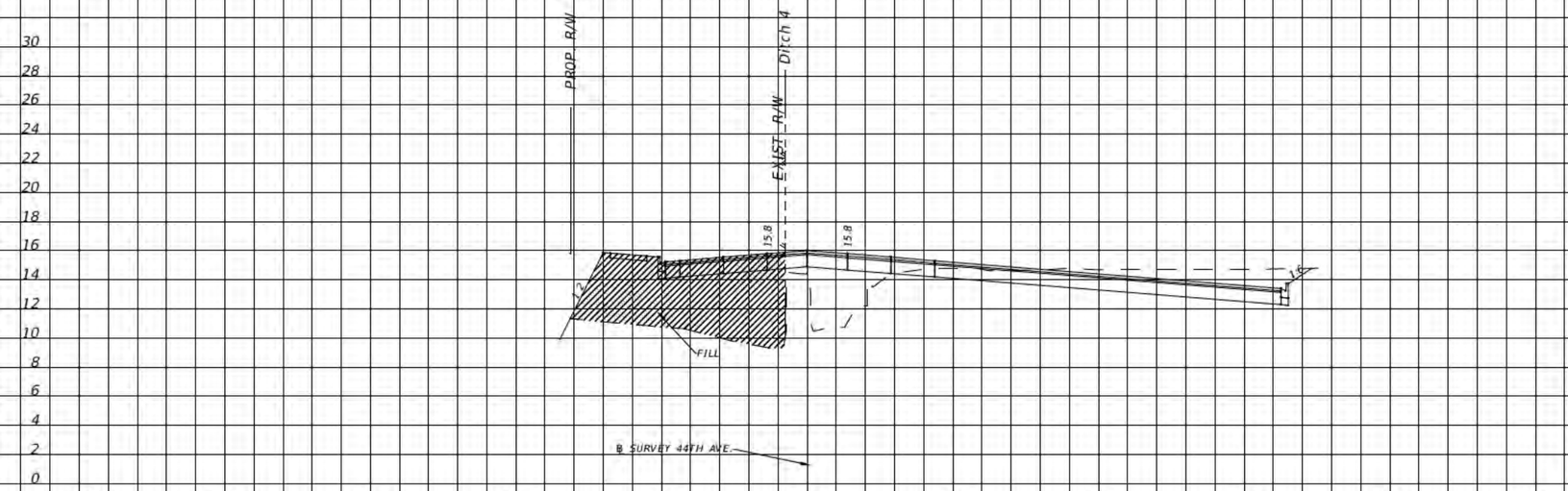
DESIGN ENGINEER: MICHAEL A HOLT, P E
FL LICENSE NO: 76111

BRIDGE IMPACTS PROFILE

SHEET NO: 24

Floyd, Cindy 8/11/2016 1:59:50 PM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland

Regular Exc		Embankment	
A(sf)	V(cy)	A(sf)	V(cy)



232+40.00

1" = 40' Horizontal
1" = 10' Vertical

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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MICHAEL A HOLT, P E
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DATE

PROJECT NO
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Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER
MICHAEL A HOLT, P E

FL LICENSE NO
76111

DITCH 4 CROSS SECTION

SHEET NO
25

Floyd, Cindy 8/3/2016 7:22:48 AM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland

Regular Exc		Embankment	
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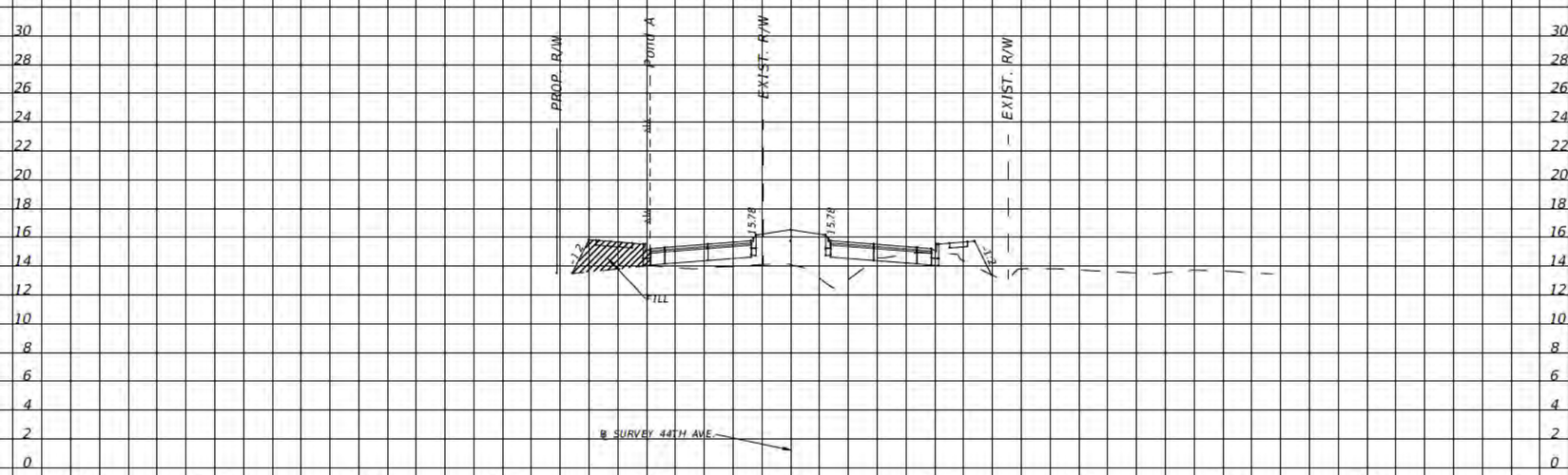

236+00.00

1" = 40' Horizontal
1" = 10' Vertical

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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MICHAEL A HOLT, P E
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DATE

PROJECT NO
6086960

Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER
MICHAEL A HOLT, P E

FL LICENSE NO
76111

POND A CROSS SECTION

SHEET NO
26

Floyd, Cindy 8/3/2016 7:16:50 AM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland

Regular Exc		Embankment	
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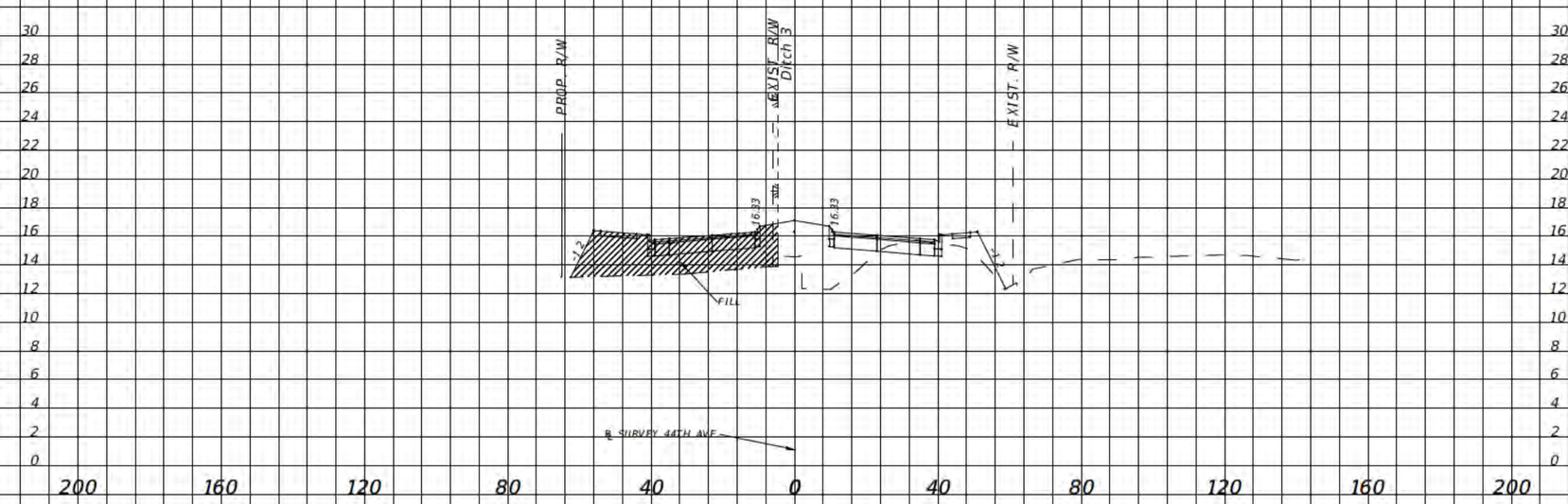

247+00.00

1" = 40' Horizontal
1" = 10' Vertical

No	REVISIONS	DATE	BY

SCALE: AS NOTED
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Manatee County FLORIDA
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER
MICHAEL A HOLT, P E

FL LICENSE NO
76111

DITCH 3 CROSS SECTION

SHEET NO
27

Floyd, Cindy 8/3/2016 7:23:54 AM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland

Regular Exc		Embankment	
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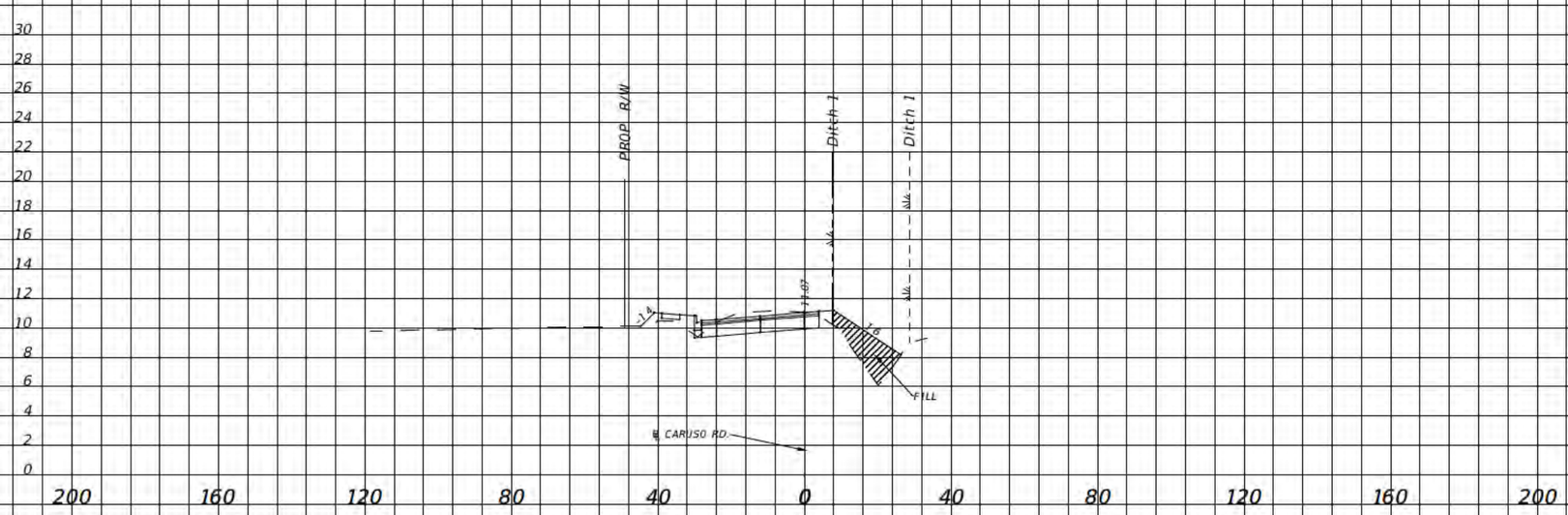

302+00.00

1" = 40' Horizontal
1" = 10' Vertical

No	REVISIONS	DATE	BY

SCALE: AS NOTED
DESIGNED BY
DRAWN BY
CHECKED BY

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1022 26th Avenue East, Bradenton, FL 34208

DESIGN ENGINEER
MICHAEL A HOLT, P E

FL LICENSE NO
76111

DITCH 1 CROSS SECTION

SHEET NO
28

Floyd, Cindy 8/10/2016 7:55:58 AM S:\Projects_RDWY\ProjFdot\ProjFDOT\V8\60460213000\Z_60460213000_Non_ED\drainage\Wetland