DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

Regulatory Division
North Permits Branch
Atlantic Permits Section

PUBLIC NOTICE

Permit Application No. SAJ-2004-5480-JJS OCT 07 2004

TO WHOM IT MAY CONCERN: This district has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. 1344) as described below.

APPLICANT: Clay County Board of County Commissioners
c/o Mr. Chuck Iley
Clay County Engineering Dept.
P.O. Box 1365
Green Cove Springs, Florida 32043

WATERWAY & LOCATION: The proposed project would impact waters of the United States (including wetlands) associated with Dillaberry Creek. The site is the existing County Road 218 (CR 218) and its right-of-way in Sections 14, 15 and 16, and 30, Township 5 South, Range 24 East, in Middleburg, Clay County, Florida.

West (Cosmos Avenue) Latitude 30.066296 by Longitude -81.919022
East (State Road 21) Latitude 30.063018 by Longitude -81.874144

PROJECT PURPOSE:

Basic: To expand a road.

Overall: To expand and existing two-lane roadway to a four-lane roadway in Middleburg, Clay County, Florida.

PROPOSED WORK: The applicant proposes to impact 5.78 acres of wetlands and 3.44 acres of other surface waters to construct an expansion to CR 218 from a two lane rural roadway to a four lane urban roadway. The project would also include the rehabilitation of side street intersections and an appropriate stormwater management system.

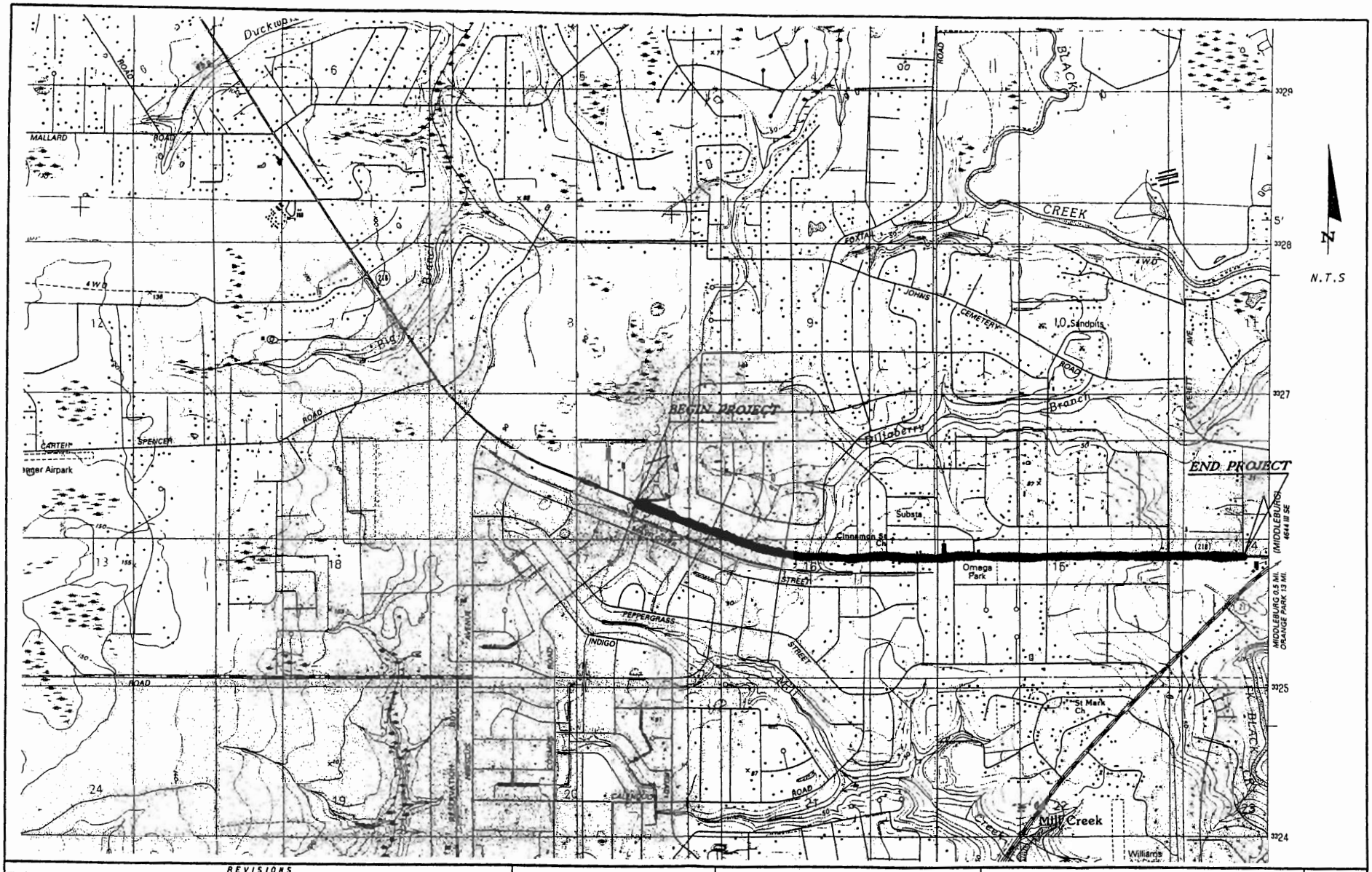
ENDANGERED AND THREATENED SPECIES: The U.S. Army Corps of Engineers (Corps) is not aware of any threatened or endangered species on the project site; therefore, the Corps does not anticipate any adverse effect to occur to any threatened or endangered species as a result of the proposal.

ESSENTIAL FISH HABITAT (EFH): The Corps is not aware of any EFH at the proposed project site; therefore, the Corps does not anticipate any adverse effect to occur to EFH as a result of the proposal.

NOTE: This public notice is being issued based on information furnished by the applicant.

AUTHORIZATION FROM OTHER AGENCIES: A State Water Quality Certification/Permit is required for this project. The St. Johns River Water Management District would be the State of Florida regulatory agency reviewing the project.

Comments regarding the application should be submitted in writing to the District Engineer at the above address or via the internet at jason.j.spinning@saj02.usace.army.mil **within 30 days from the date of this notice.** If you have any questions regarding this application, you may contact Jason Spinning of this office by telephone at 904-232-1670.



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PITMAN ▼ HARTENSTEIN & ASSOC., INC.
ENGINEERS
JACKSONVILLE ▼ FORT MYERS ▼ TAMPA

CLAY COUNTY
COUNTY COMMISSIONERS

Figure 1
PROJECT LOCATION MAP

SHEET NO.

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U.S. ARMY CORPS OF ENGINEERS
PERMIT SAJ-2004-5480-JJS
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U.S. ARMY CORPS OF ENGINEERS
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THIS CONTRACT PLAN SET INCLUDES

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2-12	DRAINAGE MAPS
13-15	TYPICAL SECTIONS AND DETAILS
16	SURVEY REFERENCE POINTS
17	GENERAL NOTES
18-21	SUMMARY OF QUANTITIES
22	BOX CULVERT DATA SHEET
23-26	SUMMARY OF DRAINAGE STRUCTURES
27-30	PROJECT LAYOUT SHEETS
31-49	PLAN AND PROFILES
50-57	INTERSECTION DETAILS
58-60	SIDE ROAD PROFILES
61-102	DRAINAGE STRUCTURES
103-106	DRAINAGE DETAILS
107-108	OUTFALL PLAN & PROFILES
109-112	POND PLANS
113-183	CROSS SECTIONS (ROADWAY)
184-203	CROSS SECTIONS (SIDE ROADS)
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228	EROSION CONTROL
229	SOIL SURVEY SHEET
230-232	SOIL BORINGS

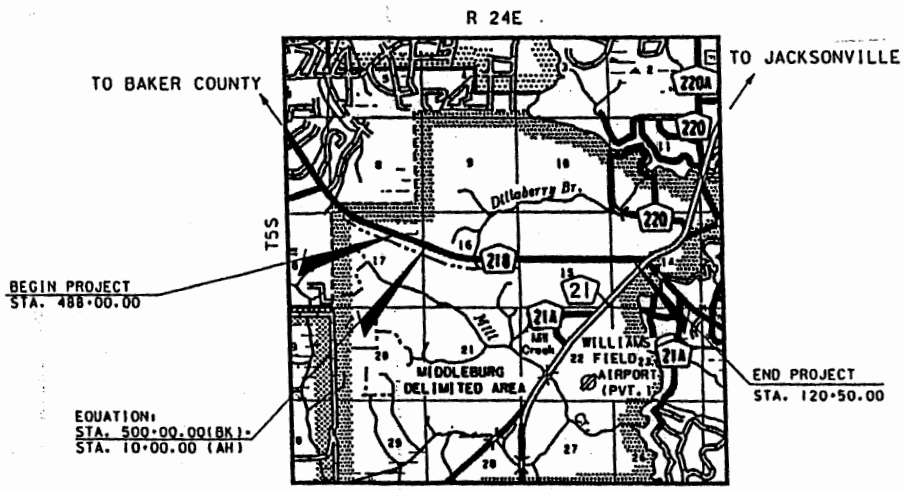
FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY AND TRAFFIC DESIGN STANDARDS
BOOKLET DATED JANUARY 2000

CLAY COUNTY FLORIDA

PLANS OF PROPOSED COUNTY ROAD IMPROVEMENTS

COUNTY ROAD 218 PHASE (2) IMPROVEMENTS

EAST OF COSMOS AVE. TO WEST OF PINE TREE LANE



PREPARED
FOR
COUNTY ENGINEERING
DEPARTMENT

CHUCK ILEY, P.E.
DIRECTOR OF ENGINEERING

BOARD OF COUNTY COMMISSIONERS

LARRY LANCASTER
CHAIRMAN

ROBERT M. WILSON
COUNTY MANAGER

ROBERT BERKOWITZ, P.E.
PITMAN HARTENSTEIN AND ASSOC., INC.
7820 ARLINGTON EXPWY. SUITE 640
JACKSONVILLE, FLORIDA 32211
PH (904) 724-3546, FAX (904) 724-9463

PLANS PREPARED BY.

PITMAN HARTENSTEIN AND ASSOC., INC.
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JACKSONVILLE, FLORIDA 32211
PH (904) 724-3546, FAX (904) 724-9463

PITMAN ▼ HARTENSTEIN & ASSOC., INC.
ENGINEERS
JACKSONVILLE ▼ FORT MYERS ▼ TAMPA

ROADWAY PLANS
ENGINEER OF RECORD, ROBERT FRANQUES, P.E.

P.E. NO. 45214

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

LENGTH OF PROJECT		
	LINEAR FEET	MILES
ROADWAY	12,250	2.320
BRIDGES	-	-
NET LENGTH OF PROJECT	12,250	-
EXCEPTIONS	-	-
GROSS LENGTH OF PROJECT	12,250	2.320

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION

FISCAL YEAR	SHEET NO.

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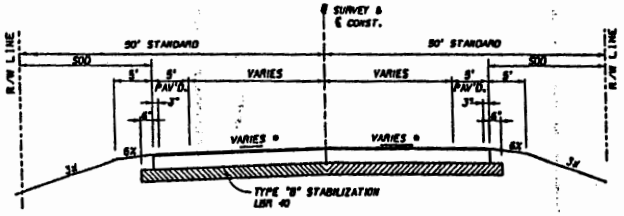
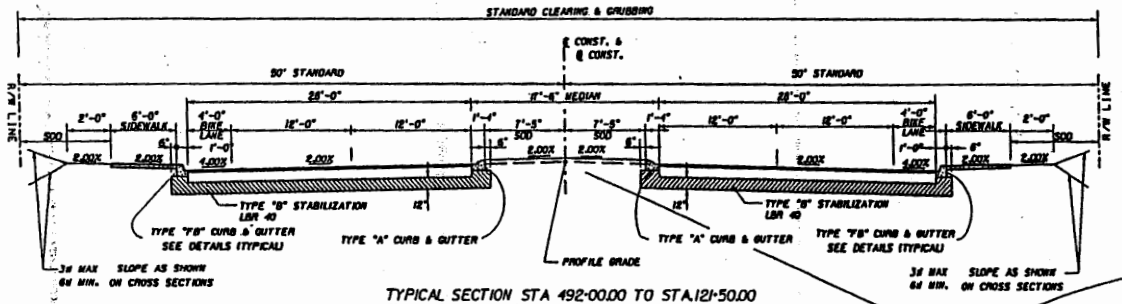


TYPICAL SECTION STA.488+00 TO STA.492+00

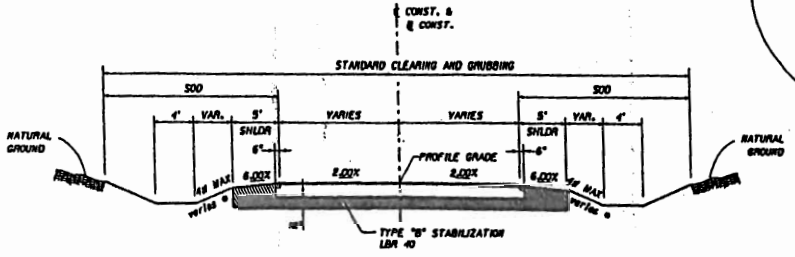
* SLOPES VARY FROM EXISTING TO NOR. CROWN (SEE CROSS SECTIONS)

FRICTION COURSE: TYPE "FC-2 (5/8") (RUBBER)
STRUCTURAL COURSE: TYPE "S" ASPHALTIC CONCRETE (1" THICK) (300 lbs/SY)
BASE COURSE: COMPACTED LIMEROCK (LBR 100) 10" THICK
STABILIZATION: TYPE "B" (LBR 40) 12" THICK



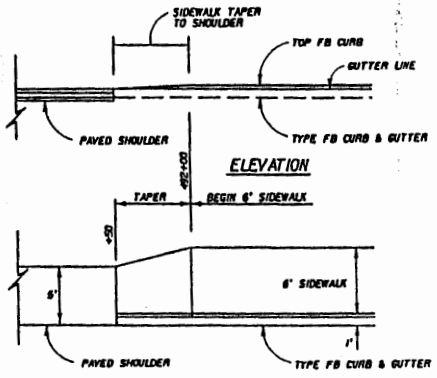
TYPICAL SECTION STA 492+00.00 TO STA.121+50.00

FRICTION COURSE: TYPE "FC-2 (5/8") (RUBBER)
STRUCTURAL COURSE: TYPE "S" ASPHALTIC CONCRETE (1" THICK) (300 lbs/SY)
BASE COURSE: COMPACTED LIMEROCK (LBR 100) 10" THICK
STABILIZATION: TYPE "B" (LBR 40) 12" THICK

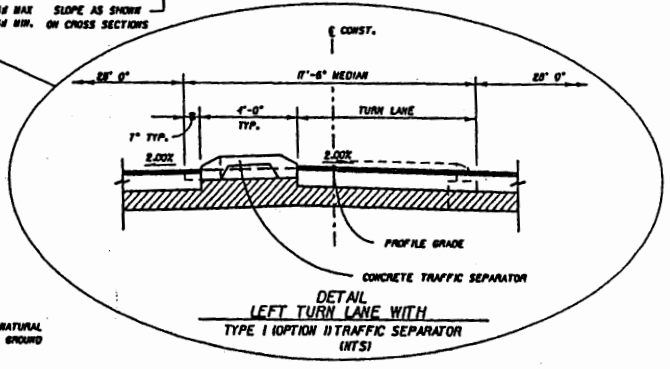


TYPICAL SECTION SIDE ROADS

FRICTION COURSE: TYPE "FC-2 (5/8") (RUBBER)
STRUCTURAL COURSE: TYPE "S" ASPHALTIC CONCRETE (1-1/2" THICK) (150 lbs/SY)
BASE COURSE: COMPACTED LIMEROCK (LBR 100) 10" THICK
STABILIZATION: TYPE "B" (LBR 40) 12" THICK



SHOULDER DETAIL TAPER TREATMENT
STA.492+00 (LT & RT) NTS



DETAIL
LEFT TURN LANE WITH
TYPE I (OPTION II) TRAFFIC SEPARATOR
(NTS)

DESIGN SPEED = 45 MPH
= REFER TO CROSS SECTIONS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PITTMAN HARTENSTEIN & ASSOC., INC.
JACKSONVILLE • FORT MYERS • TAMPA
7820 ARLINGTON EXPWY. SUITE 640
JACKSONVILLE, FL 32211
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FAX (904) 724-9463
FLORIDA CERT. NO. 00004484

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/02-108

TYPICAL SECTIONS

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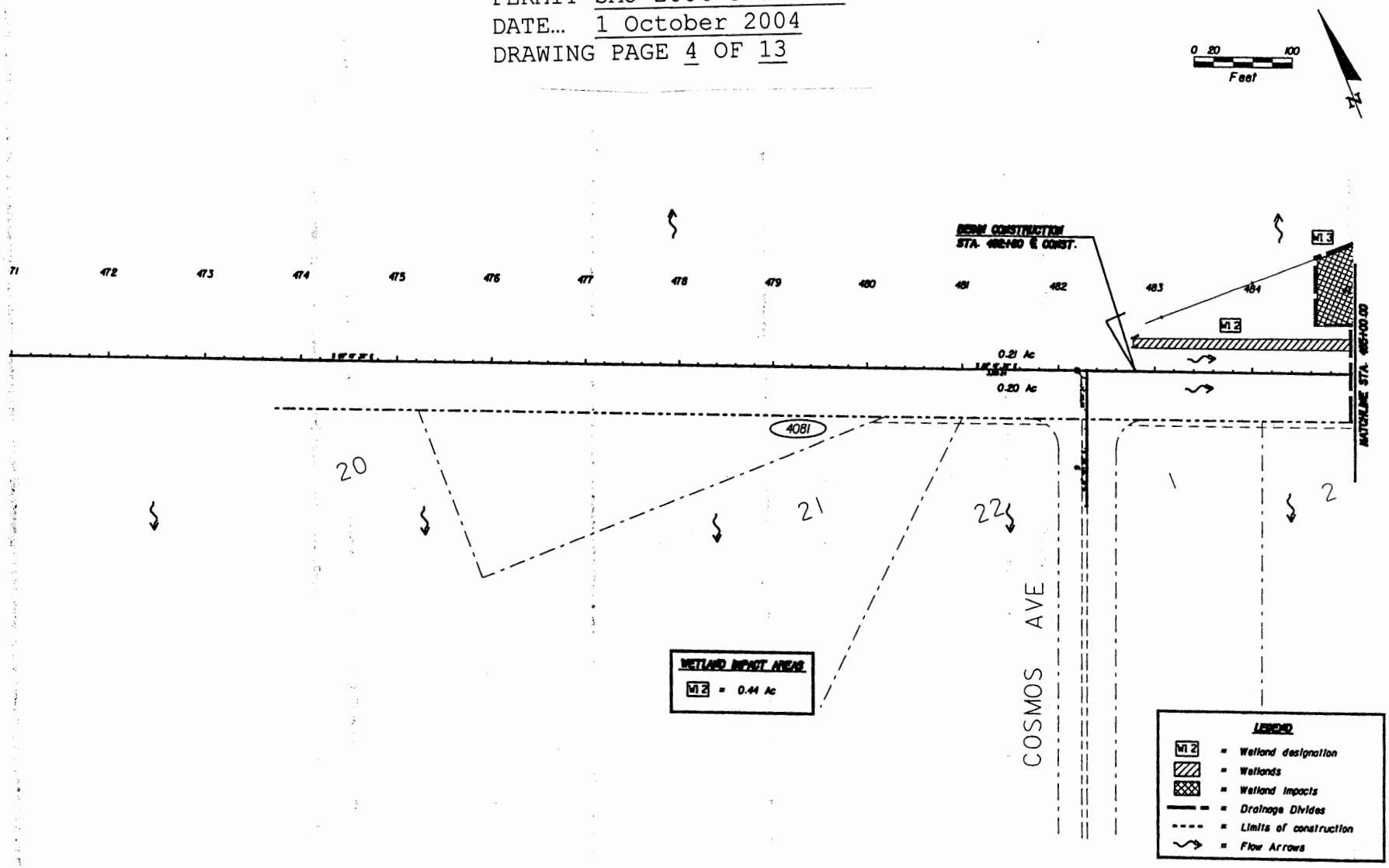

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ENGINEERS
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FLORIDA CERT. NO. 00004464

CLAY COUNTY
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COUNTY PROJ. NO. 01/03-106

DRAINAGE MAP

SHEET NO.

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U.S. ARMY CORPS OF ENGINEERS
PERMIT SAJ-2004-5480-JJS
DATE... 1 October 2004
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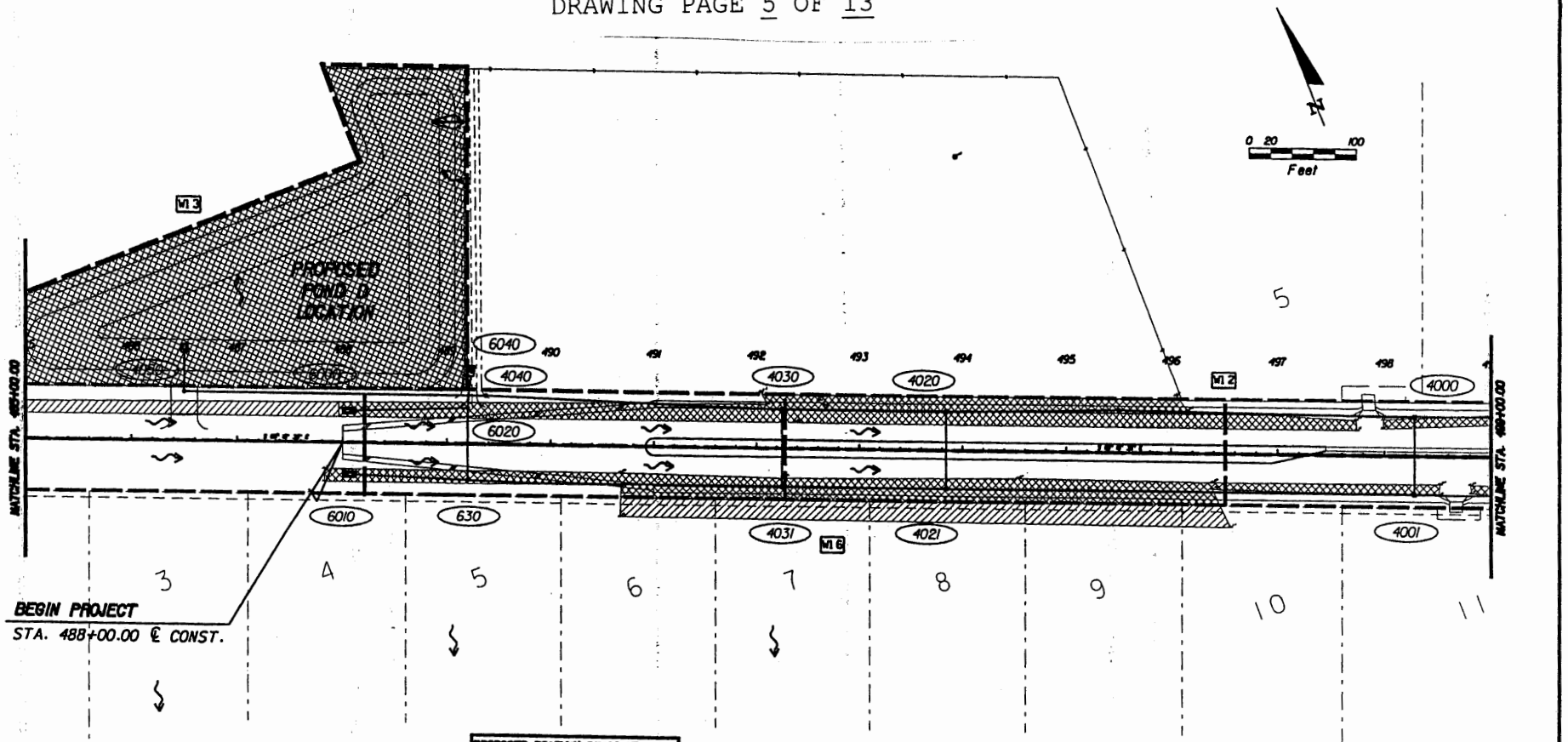

PROPOSED ROADWAY DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
6000	2.00	0.20	1.80	0.46
6010	2.00	0.20	1.80	0.46
4030	0.46	0.36	0.10	0.59
4031	0.46	0.36	0.10	0.59
4020	0.48	0.36	0.12	0.59
4021	0.48	0.36	0.12	0.59
4000	0.45	0.35	0.10	0.59
4001	0.45	0.35	0.10	0.59

WETLAND IMPACT AREAS		
AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W12	0.44	0.58
W13	1.83	1.83
W16	0.13	0.42
W17	0.05	0.05
W18	0.02	0.02

LEGEND
W1 = Wetland designation
= Wetlands
= Wetland Impacts
= Drainage Divides
= Limits of construction
= Flow Arrows

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEERED
JACKSONVILLE ▼ FORT MYERS ▼ TAMPA
7820 ARLINGTON EXPWY. SUITE 640
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FLORIDA CERT. NO. 00004464

CLAY COUNTY
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COUNTY PROJ. NO. 01/03-108

DRAINAGE MAP

SHEET NO.

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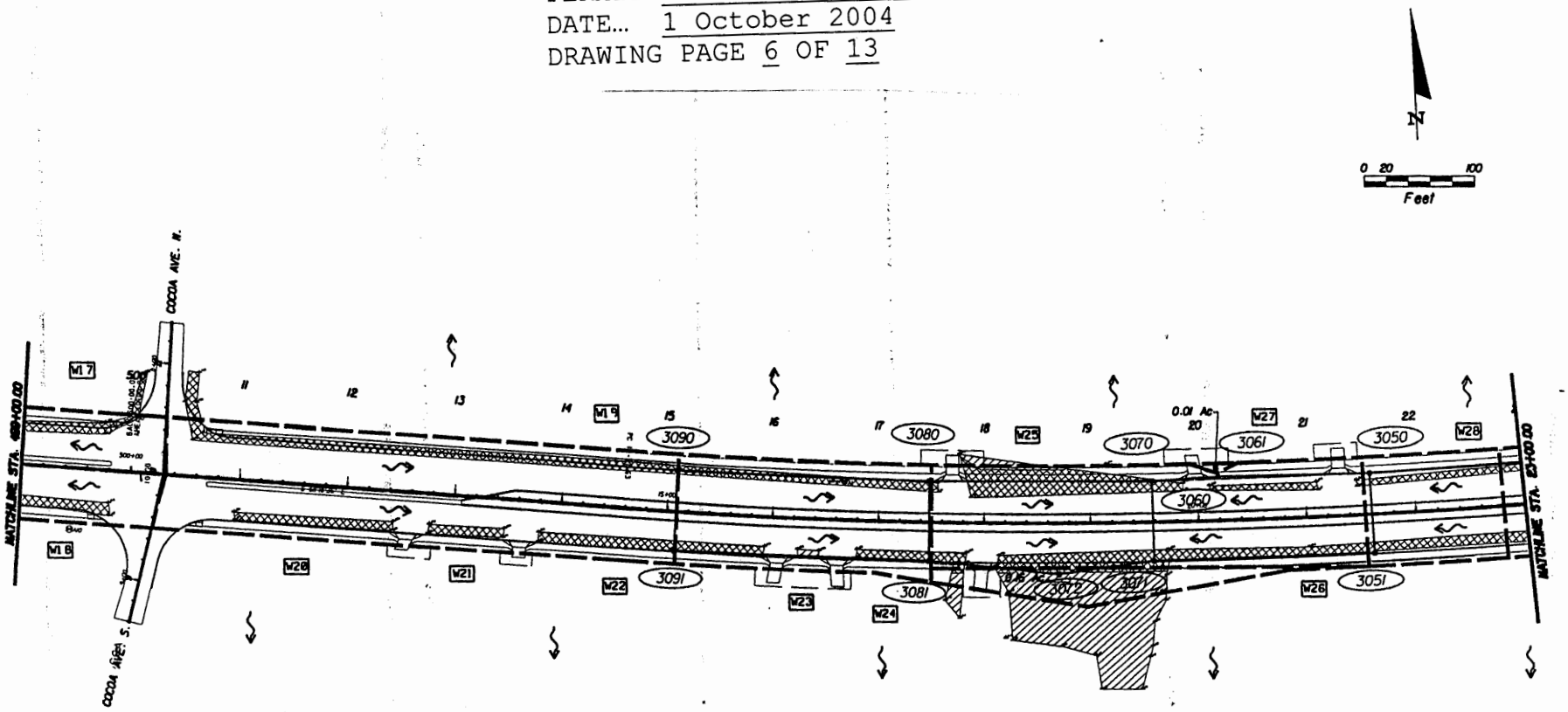

OFFSITE DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
3061	1.50	0.00	1.50	0.40
3072	1.00	0.00	1.00	0.40

PROPOSED ROADWAY DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
3090	0.56	0.45	0.11	0.79
3091	0.53	0.45	0.08	0.79
3080	0.28	0.19	0.09	0.72
3081	0.27	0.20	0.07	0.73
3070	0.46	0.33	0.13	0.73
3071	0.40	0.33	0.07	0.78
3051	0.15	0.10	0.05	0.73
3050	0.14	0.10	0.04	0.72

WETLAND IMPACT AREAS					
AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)	AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W17	0.05	0.05	W23	0.01	0.01
W18	0.02	0.02	W24	0.03	0.03
W19	0.14	0.14	W25	0.09	0.09
W20	0.03	0.03	W26	0.23	0.23
W21	0.01	0.01	W27	0.01	0.01
W22	0.05	0.05	W28	0.05	0.05

LEGEND

- W1 = Wetland designation
- = Wetlands
- = Wetland Impacts
- = Drainage Divides
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- = Flow Arrows

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PITMAN HARTENSTEIN & ASSOC., INC.
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FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-108

DRAINAGE MAP

SHEET NO.

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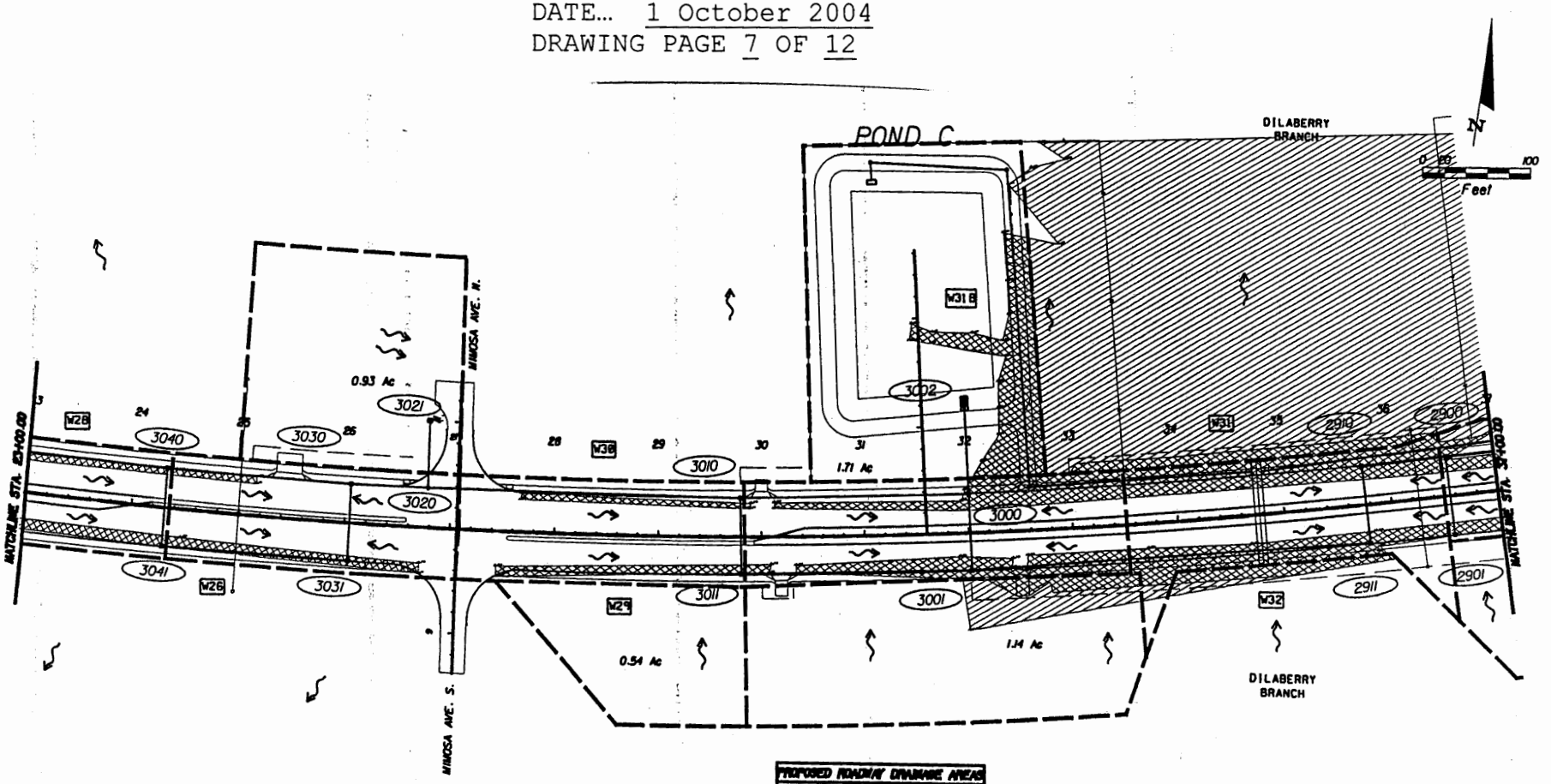

POND C	
SITE AREA	1.71 ac
TOP OF BANK EL.	
BOTTOM EL.	
D.H.W. EL.	
TREAT. EL.	
N.W.L. EL.	
AREA AT D.H.W.	
AREA AT N.W.L.	

OFFSITE DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
3021	0.93	0.60	0.33	0.63
2901	0.90	0.36	0.54	0.63
3001	1.14	0.46	0.68	0.63
3031	0.54	0.22	0.32	0.63

PROPOSED ROADWAY DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
3040	0.48	0.13	0.05	0.72
3041	0.51	0.13	0.04	0.76
3030	0.31	0.27	0.04	0.80
3031	0.30	0.27	0.03	0.86
3010	0.31	0.27	0.04	0.84
3011	0.30	0.27	0.03	0.80
3000	0.44	0.31	0.13	0.73
3001	0.40	0.31	0.09	0.85
2910	0.36	0.24	0.12	0.71
2911	0.40	0.24	0.16	0.75
2900	0.36	0.25	0.11	0.80
2901	0.30	0.25	0.05	0.88

WETLAND IMPACT AREAS

AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W26	0.23	0.23
W28	0.05	0.05
W29	0.05	0.05
W30	0.03	0.03
W31	0.46	0.46
W31B	0.21	0.21
W32	0.41	0.41

LEGEND

- W1 = Wetland designation
- = Wetlands
- = Wetland Impacts
- = Drainage Divides
- = Limits of construction
- = Flow Arrows

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS NAUTHSTEIN & ASSOC. INC.
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FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-108

DRAINAGE MAP

SHEET NO.

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PERMIT SAJ-2004-5480-JJS
DATE... 1 October 2004
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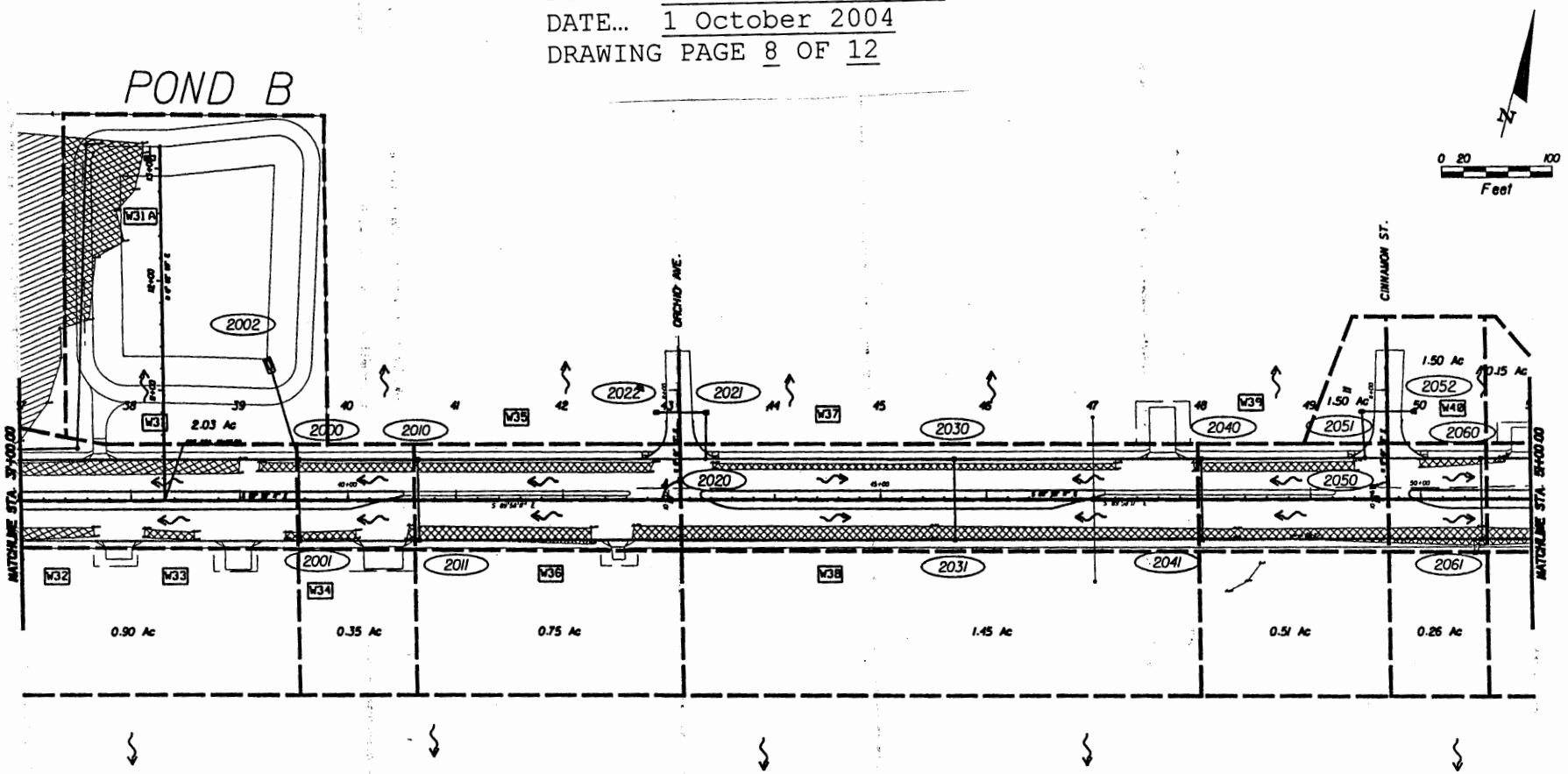

OFFSITE DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
2001	0.90	0.36	0.54	0.63
2001	0.35	0.14	0.21	0.63
2011	0.75	0.30	0.45	0.63
2031	1.45	0.58	0.87	0.63
2041	0.51	0.20	0.31	0.63
2061	0.26	0.10	0.16	0.63
2051	1.50	0.60	0.90	0.63
2052	1.50	0.60	0.90	0.63
2022	1.70	0.80	0.90	0.63
2021	1.7	0.80	0.90	0.63

PROPOSED ROADWAY DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
2000	0.13	0.09	0.04	0.79
2001	0.11	0.08	0.02	0.87
2010	0.89	0.85	0.04	0.91
2011	0.86	0.85	0.01	0.96
2030	0.57	0.42	0.15	0.83
2031	0.53	0.43	0.10	0.87
2040	0.20	0.17	0.03	0.89
2041	0.19	0.17	0.02	0.92
2060	0.10	0.07	0.03	0.81
2061	0.09	0.08	0.01	0.92

WETLAND IMPACT AREAS

AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)	AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W31	0.46	0.46	W36	0.05	0.05
W31A	0.18	0.18	W37	0.05	0.05
W32	0.41	0.41	W38	0.23	0.23
W33	0.01	0.01	W39	0.03	0.03
W34	0.01	0.01	W40	0.01	0.01
W35	0.07	0.07			

LEGEND

- W1 = Wetland designation
- = Wetlands
- = Wetland Impacts
- = Drainage Divides
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS NAUTHTON & SYSKO, INC.
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FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-106

DRAINAGE PLAN

SHEET NO.

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PERMIT SAJ-2004-5480-JJS
DATE... 1 October 2004
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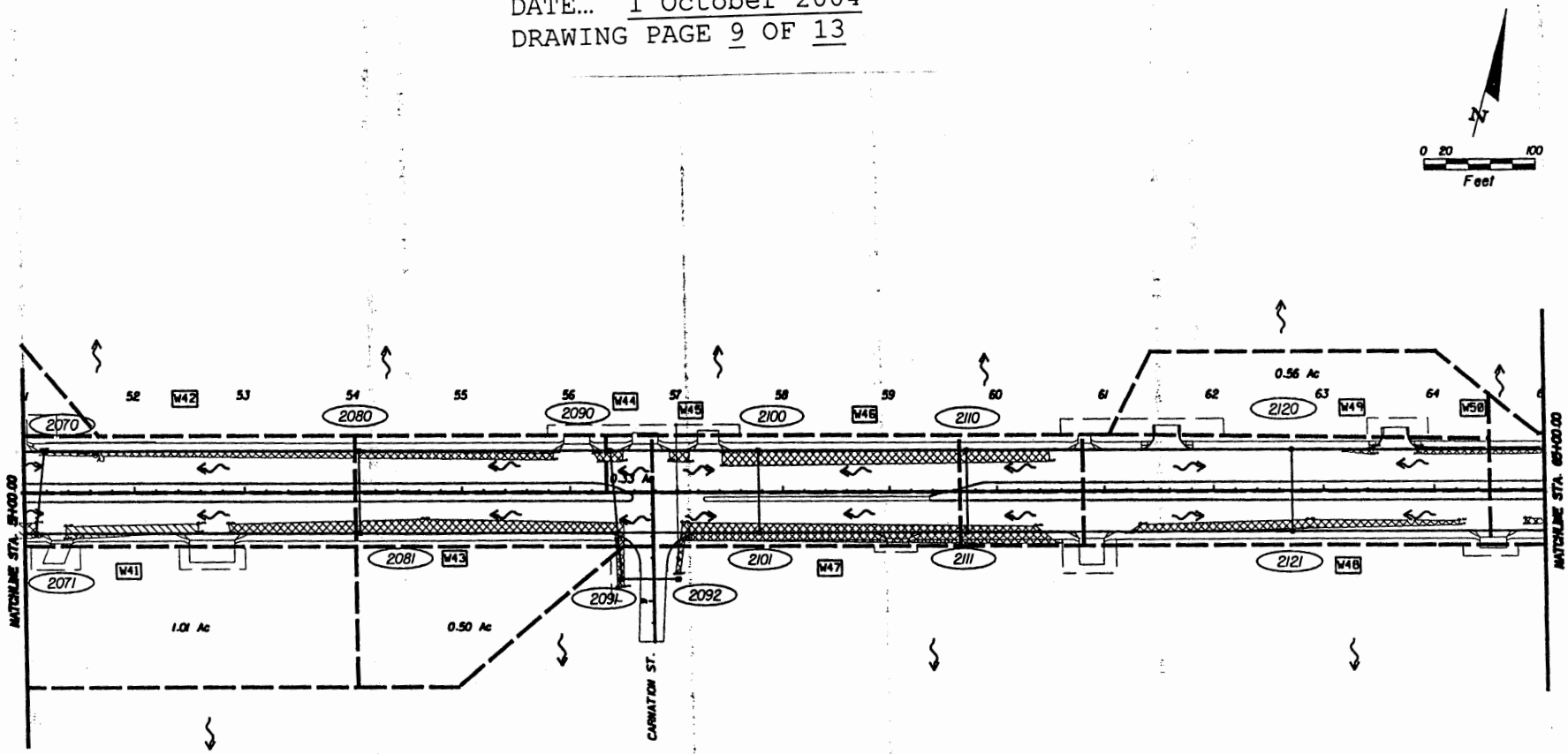

OFFSITE DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
2071	1.01	0.40	0.61	0.63
2081	0.50	0.20	0.30	0.63
2120	0.56	0.22	0.34	0.63

PROPOSED ROADWAY DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
2070	0.39	0.28	0.11	0.82
2071	0.38	0.28	0.10	0.83
2080	0.27	0.19	0.08	0.81
2081	0.31	0.23	0.08	0.83
2090	0.33	0.24	0.09	0.82
2100	0.33	0.28	0.05	0.89
2101	0.32	0.28	0.04	0.91
2110	0.13	0.09	0.04	0.80
2111	0.13	0.09	0.04	0.80
2120	0.42	0.31	0.11	0.83
2121	0.43	0.31	0.12	0.82

WETLAND IMPACT AREAS					
AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)	AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W41	0.03	0.03	W46	0.08	0.08
W42	0.06	0.06	W47	0.13	0.13
W43	0.10	0.10	W48	0.05	0.05
W44	0.01	0.01	W49	0.01	0.01
W45	0.01	0.01	W50	0.06	0.06

LEGEND
- W1 = Wetland designation
- = Wetlands
- = Wetland Impacts
- = Drainage Divides
- = Limits of construction
- = Flow Arrows

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEERS
JACKSONVILLE ▼ FORT MYERS ▼ TAMPA
7820 ARLINGTON EXPWY. SUITE 440
JACKSONVILLE, FL 32211
TEL. (904) 724-3546
FAX (904) 724-9463
FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-106

DRAINAGE MAP

SHEET NO.

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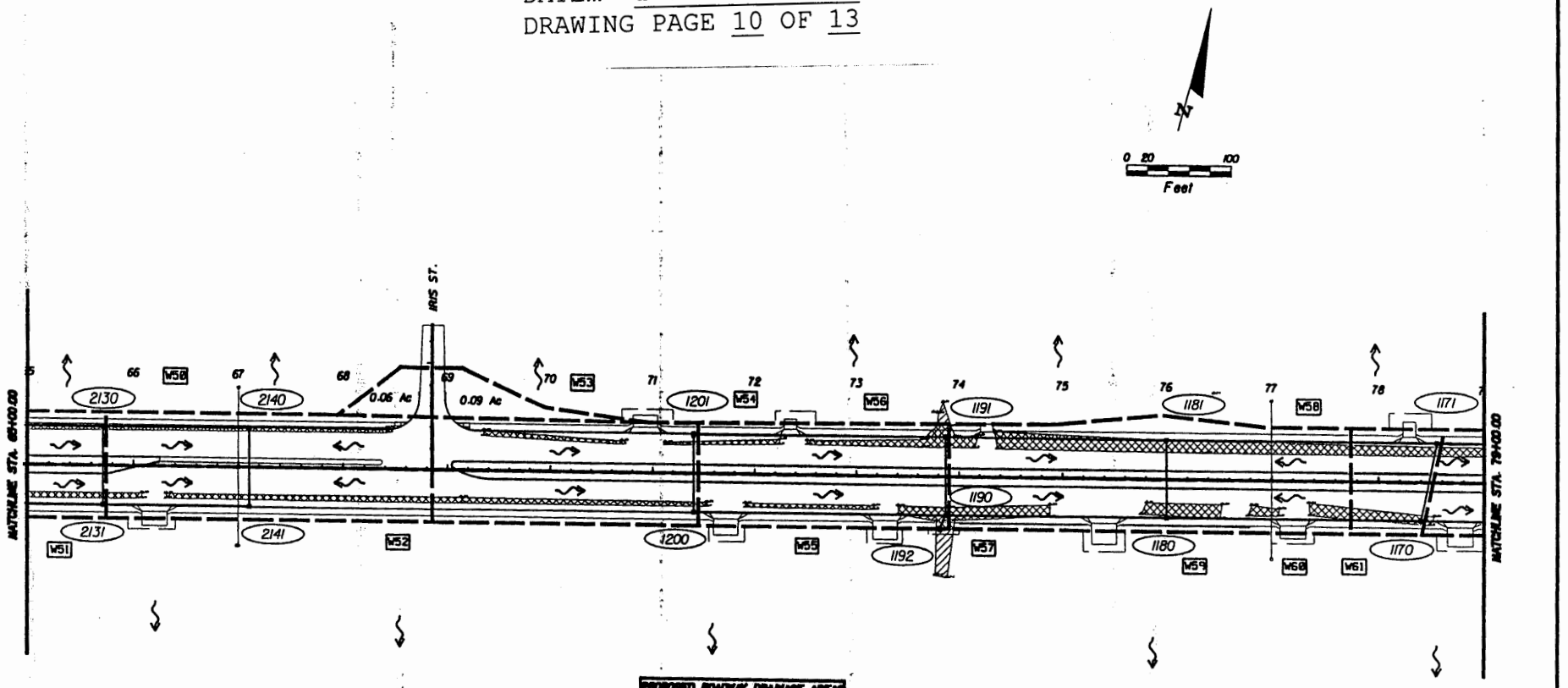
U.S. ARMY CORPS OF ENGINEERS
PERMIT SAJ-2004-5480-JJS
DATE... 1 October 2004
DRAWING PAGE 10 OF 13



OFFSITE DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
2140	0.06	0.02	0.04	0.99
1201	0.09	0.04	0.05	0.66

PROPOSED ROADWAY DRAINAGE AREAS				
INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
2130	0.14	0.09	0.05	0.77
2131	0.12	0.09	0.03	0.84
2140	0.35	0.30	0.05	0.90
2141	0.35	0.30	0.05	0.90
1201	0.28	0.21	0.07	0.84
1200	0.29	0.22	0.07	0.84
1191	0.27	0.20	0.07	0.83
1190	0.29	0.20	0.09	0.81
1181	0.46	0.32	0.14	0.81
1180	0.43	0.32	0.11	0.83
1171	0.09	0.06	0.03	0.76
1170	0.08	0.05	0.03	0.84

WETLAND IMPACT AREAS					
AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)	AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W50	0.06	0.06	W56	0.03	0.03
W51	0.01	0.01	W57	0.04	0.04
W52	0.06	0.06	W58	0.22	0.22
W53	0.01	0.01	W59	0.02	0.02
W54	0.01	0.01	W60	0.01	0.01
W55	0.01	0.01	W61	0.03	0.03

LEGEND

- W1 = Wetland designation
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- = Drainage Divides
- = Limits of construction
- = Flow Arrows

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATMAN • HARTENSTEIN & ASSOC., INC.
ENGINEERS
JACKSONVILLE • FORT MYERS • TAMPA

7820 ARLINGTON EXPWY.
SUITE 640
JACKSONVILLE, FL 32211
TEL. (904) 724-3546
FAX (904) 724-9463
FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-108

DRAINAGE MAP

SHEET NO.

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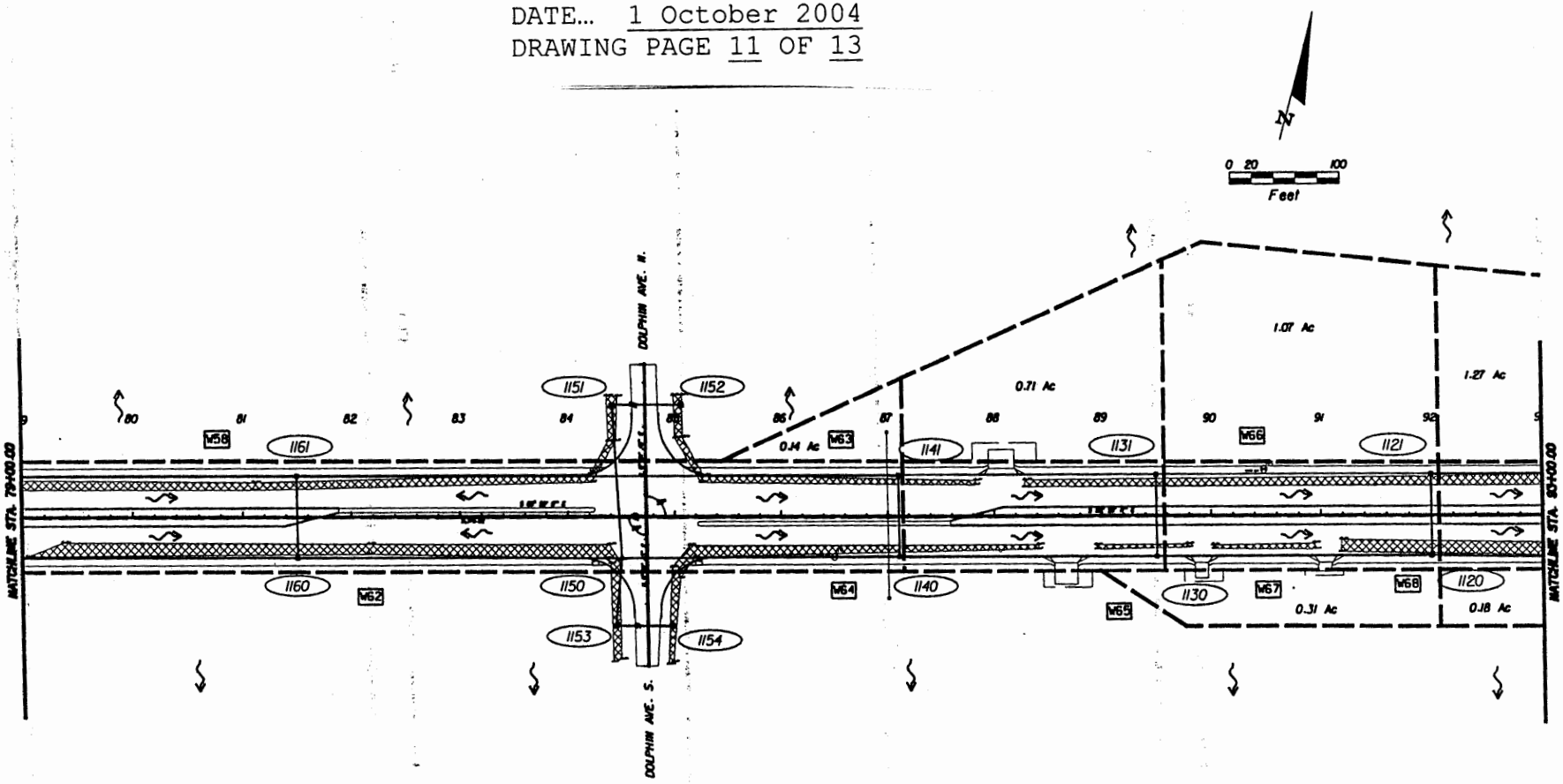
U.S. ARMY CORPS OF ENGINEERS
PERMIT SAJ-2004-5480-JJS
DATE… 1 October 2004
DRAWING PAGE 11 OF 13



OFFSITE DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
#4	0.14	0.02	0.12	0.57
#3	0.71	0.28	0.43	0.63
#21	1.07	0.43	0.64	0.63
#20	0.18	0.07	0.11	0.63
#51	2.00	0.80	1.20	0.63
#52	2.00	0.80	1.20	0.63
#53	2.00	0.80	1.20	0.63
#54	2.00	0.80	1.20	0.63

PROPOSED ROADWAY DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "C"
#81	0.71	0.56	0.15	0.86
#80	0.73	0.57	0.16	0.85
#41	0.27	0.24	0.03	0.92
#40	0.27	0.24	0.03	0.91
#31	0.27	0.21	0.06	0.85
#30	0.27	0.21	0.06	0.85
#21	0.27	0.20	0.07	0.83
#20	0.29	0.20	0.09	0.80

WETLAND IMPACT AREAS

AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)	AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W58	0.22	0.22	W65	0.01	0.01
W62	0.15	0.15	W66	0.11	0.11
W63	0.04	0.04	W67	0.01	0.01
W64	0.07	0.07	W68	0.08	0.08

LEGEND

- W1 = Wetland designation
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- = Drainage Divides
- = Limits of construction
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PITTMAN HARTUNG & ASSOC., INC.
ENGINEERS
JACKSONVILLE ▼ FORT MYERS ▼ TAMPA
7820 ARLINGTON EXPWY. SUITE 640
JACKSONVILLE, FL 32211
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FAX (904) 724-3463
FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-106

DRAINAGE MAP

SHEET NO.

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U.S. ARMY CORPS OF ENGINEERS
PERMIT SAJ-2004-5480-JJS
DATE... 1 October 2004
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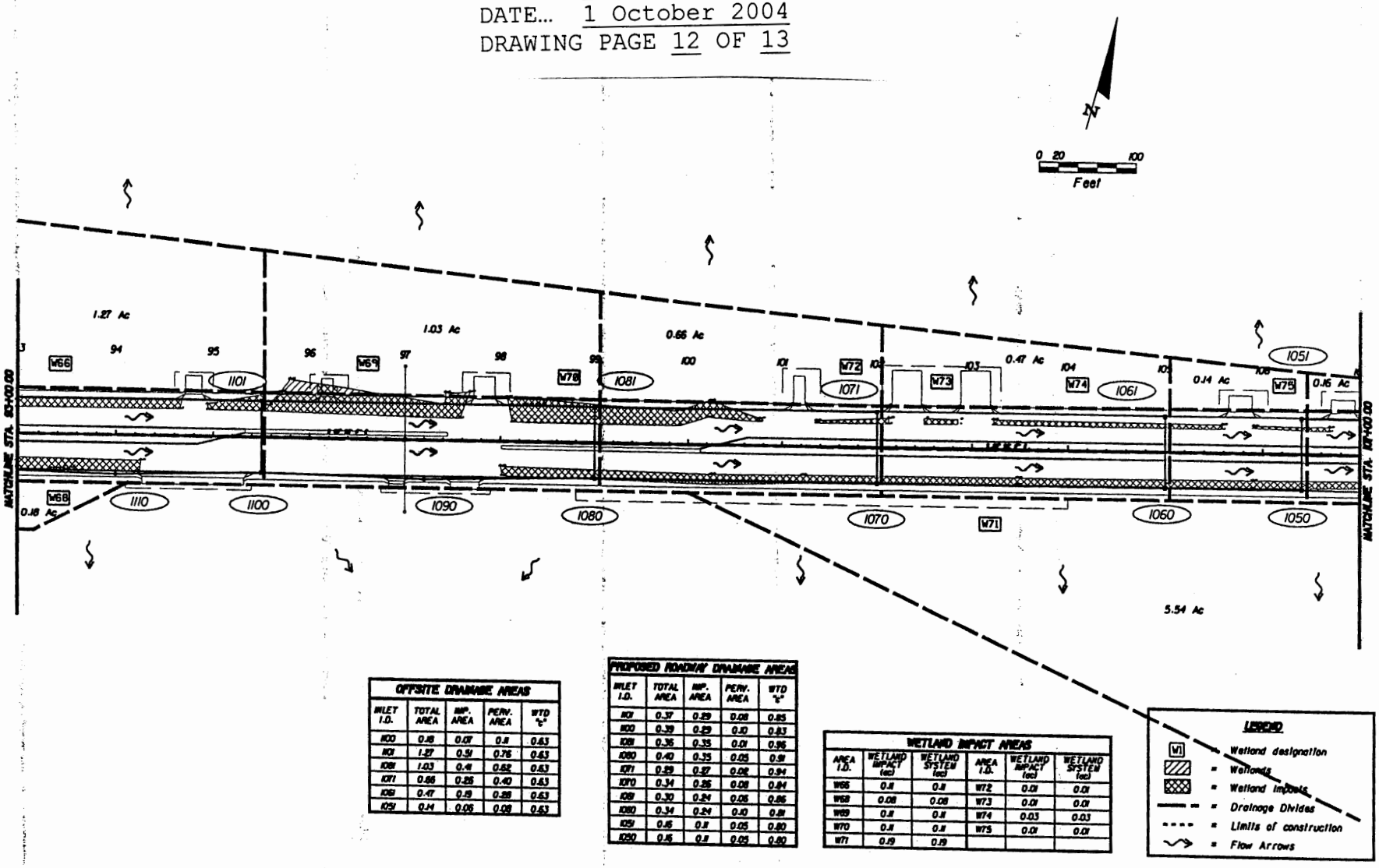

OFFSITE DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
1100	0.18	0.07	0.11	0.63
1101	1.27	0.51	0.76	0.63
1081	1.03	0.41	0.62	0.63
1071	0.66	0.26	0.40	0.63
1061	0.47	0.19	0.28	0.63
1051	0.14	0.06	0.08	0.63

PROPOSED ROADWAY DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
1101	0.37	0.29	0.08	0.85
1100	0.39	0.29	0.10	0.83
1081	0.36	0.35	0.01	0.96
1080	0.40	0.35	0.05	0.91
1071	0.29	0.27	0.02	0.94
1070	0.34	0.26	0.08	0.84
1061	0.30	0.24	0.06	0.86
1060	0.34	0.24	0.10	0.81
1051	0.16	0.11	0.05	0.80
1050	0.16	0.11	0.05	0.80

WETLAND IMPACT AREAS

AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)	AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W66	0.11	0.11	W72	0.01	0.01
W68	0.08	0.08	W73	0.01	0.01
W69	0.11	0.11	W74	0.03	0.03
W70	0.11	0.11	W75	0.01	0.01
W71	0.19	0.19			

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

PITMAN • HARTENSTEIN & ASSOC., INC.
ENGINEERS
JACKSONVILLE • FORT MYERS • TAMPA

7820 ARLINGTON EXPWY.
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FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-108

DRAINAGE MAP

SHEET NO.

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U.S. ARMY CORPS OF ENGINEERS
PERMIT SAJ-2004-5480-JJS
DATE... 1 October 2004
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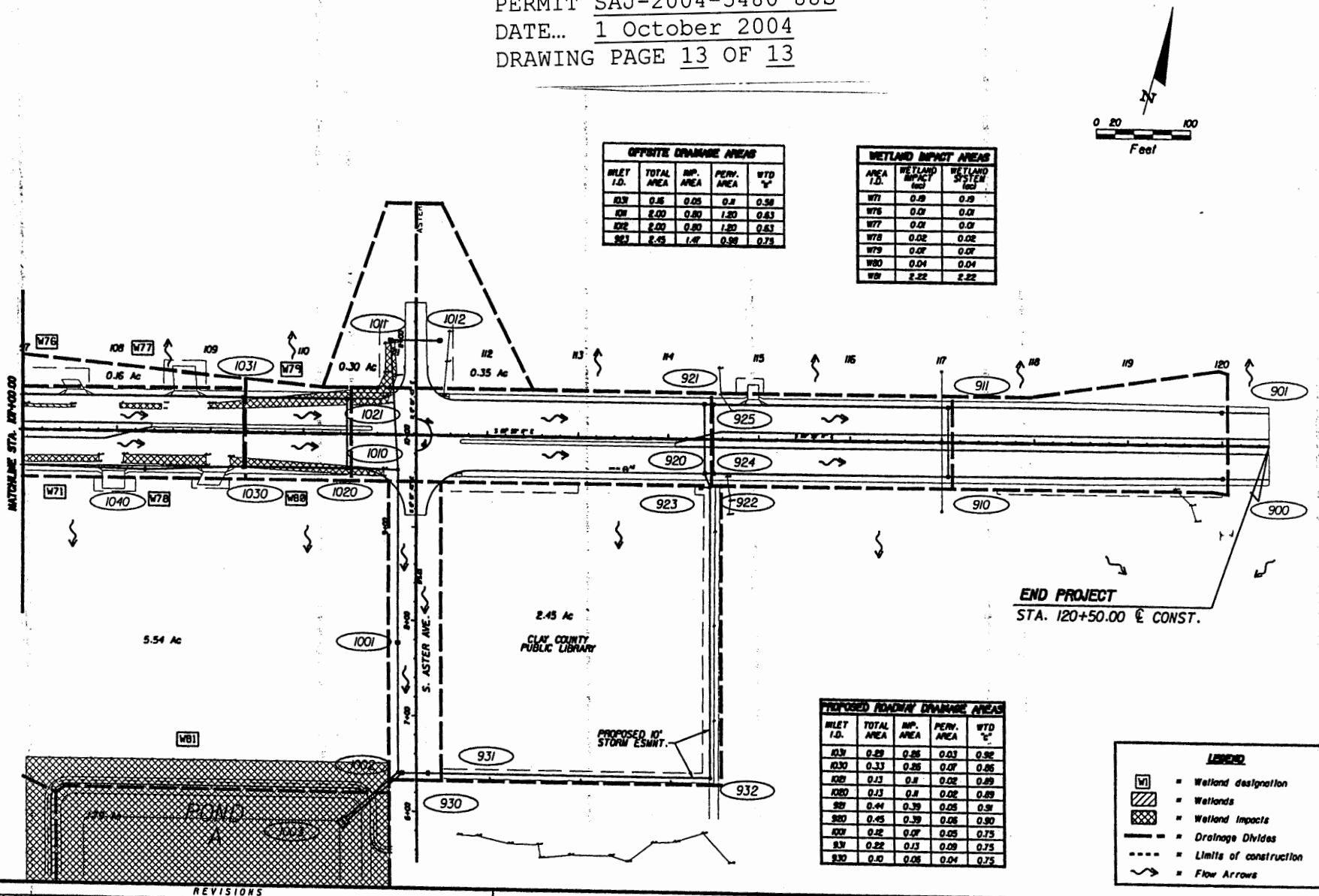

OFFSITE DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
1039	0.16	0.05	0.11	0.38
1011	2.00	0.80	1.20	0.63
1012	2.00	0.80	1.20	0.63
923	2.45	1.47	0.98	0.75

WETLAND IMPACT AREAS

AREA I.D.	WETLAND IMPACT (ac)	WETLAND SYSTEM (ac)
W71	0.19	0.19
W76	0.01	0.01
W77	0.01	0.01
W78	0.02	0.02
W79	0.07	0.07
W80	0.04	0.04
W81	2.22	2.22

PROPOSED ROADWAY DRAINAGE AREAS

INLET I.D.	TOTAL AREA	IMP. AREA	PERV. AREA	WTD "c"
1039	0.29	0.26	0.03	0.92
1030	0.33	0.26	0.07	0.86
1031	0.13	0.11	0.02	0.89
1020	0.13	0.11	0.02	0.89
921	0.44	0.39	0.05	0.91
920	0.45	0.39	0.06	0.90
1001	0.12	0.07	0.05	0.75
931	0.22	0.13	0.09	0.75
930	0.10	0.06	0.04	0.75

LEGEND

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- = Limits of construction
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ATKINS NORTH FLETCHER & ASSOC., INC.
JACKSONVILLE • FORT MYERS • TAMPA
7820 ARLINGTON EXPWY.
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FAX (904) 724-3483
FLORIDA CERT. NO. 00004464

CLAY COUNTY
COUNTY COMMISSIONERS
COUNTY PROJ. NO. 01/03-108

DRAINAGE MAP

SHEET NO.

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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.

IMPACT ON CULTURAL RESOURCES: Review of the latest published version of the National Register of Historic Places indicates that no registered properties, or properties listed as eligible or inclusion therein, are located at the site of the proposed work. Presently, unknown archeological, scientific, prehistorical, or historical data may be lost or destroyed by the work to be accomplished.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historic 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 of 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 U.S. 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 of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make or deny this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. 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 approved 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.

John R. Hall
Chief, Regulatory Division