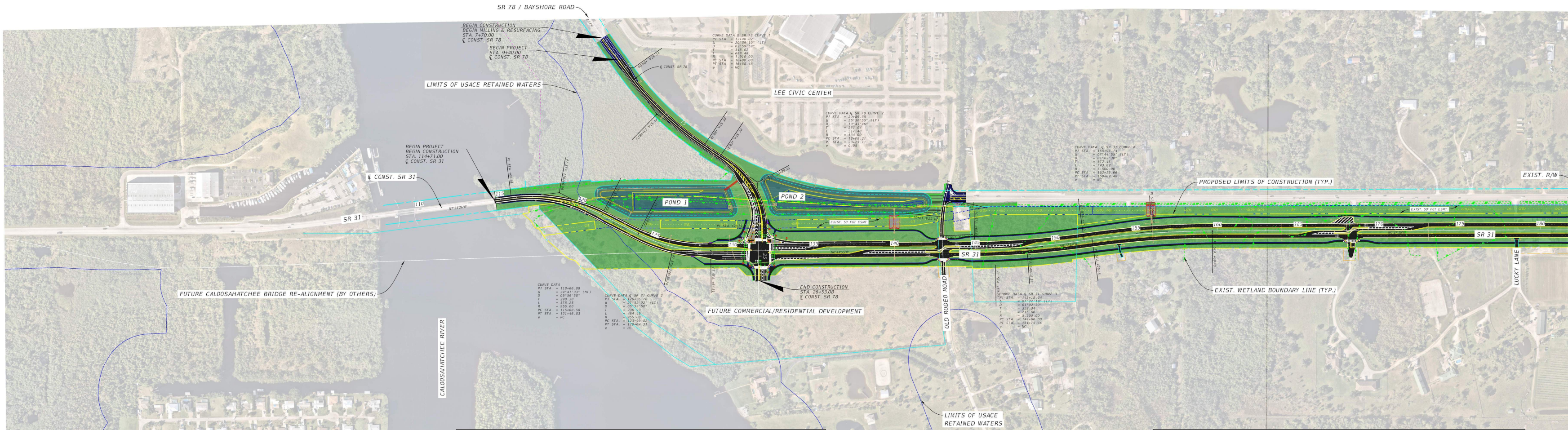
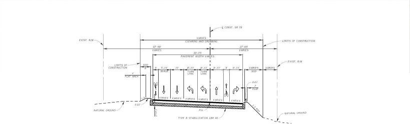
FROM STATE ROAD 78 TO COOK BROWN ROAD
FPID NUMBER: 442027-2-54-01
LEE & CHARLOTTE COUNTIES, FLORIDA

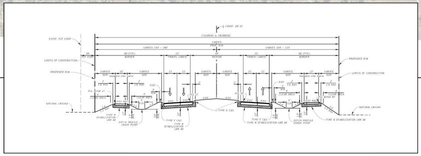
TYPICAL SECTION: TYPICAL SECTION SR78 | TYPICAL SECTION I

MAJOR DRAINAGE BASIN: BASIN I | BASIN II | BASIN III

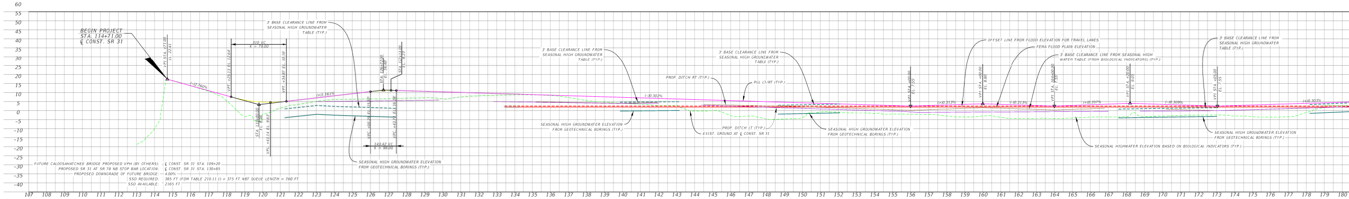

SR 78 / BAYSHORE ROAD
BEGIN CONSTRUCTION
BEGIN MILLING & RESURFACING
STA. 7+70.00
℄ CONST. SR 78
BEGIN PROJECT
STA. 9+40.00
℄ CONST. SR 78
LIMITS OF USACE RETAINED WATERS
CURVE DATA ℄ SR 78 CURVE 1
PI STA. = 13+48.02
Δ = 20°39'10" (LT)
D = 02°59'59"
T = 348.02
L = 688.48
R = 1,910.00
PC STA. = 10+00.00
PT STA. = 16+88.48
e = NC
℄ CONST. SR 78
LEE CIVIC CENTER
CURVE DATA ℄ SR 78 CURVE 2
PI STA. = 20+89.35
Δ = 55°30'55" (LT)
D = 10°43'46"
T = 281.04
L = 517.40
R = 534.00
PC STA. = 18+08.31
PT STA. = 23+25.71
e = 0.05
BEGIN PROJECT
BEGIN CONSTRUCTION
STA. 114+71.00
℄ CONST. SR 31
℄ CONST. SR 31
SR 31
POND 1
POND 2
EXIST. 50' FGT ESMT.
END CONSTRUCTION
STA. 26+53.08
℄ CONST. SR 78
FUTURE COMMERCIAL/RESIDENTIAL DEVELOPMENT
FUTURE CALOOSAHATCHEE BRIDGE RE-ALIGNMENT (BY OTHERS)
CALOOSAHATCHEE RIVER
CURVE DATA
PI STA. = 118+66.88
Δ = 34°41'33" (RT)
D = 05°59'58"
T = 298.30
L = 578.25
R = 955.00
PC STA. = 115+68.58
PT STA. = 121+46.83
e = RC
CURVE DATA ℄ SR 31 CURVE 2
PI STA. = 126+36.76
Δ = 27°52'02" (LT)
D = 05°59'58"
T = 236.93
L = 464.49
R = 955.00
PC STA. = 123+99.82
PT STA. = 128+64.31
e = RC
OLD RODEO ROAD
CURVE DATA ℄ SR 31 CURVE 3
PI STA. = 148+18.34
Δ = 07°27'19" (LT)
D = 01°02'30"
T = 358.34
L = 715.66
R = 5,500.00
PC STA. = 144+60.00
PT STA. = 151+75.66
e = NC
CURVE DATA ℄ SR 31 CURVE 4
PI STA. = 155+98.14
Δ = 07°44'55" (LT)
D = 01°02'30"
T = 372.48
L = 743.82
R = 5,500.00
PC STA. = 152+25.66
PT STA. = 159+69.48
e = NC
PROPOSED LIMITS OF CONSTRUCTION (TYP.)
EXIST. R/W
EXIST. WETLAND BOUNDARY LINE (TYP.)
LUCKY LANE
LIMITS OF USACE RETAINED WATERS
110
115
120
125
130
135
140
145
150
155
160
165
170
175
180



TYPICAL SECTION SR78


℄ CONST. SR 31
CLEARING & GRUBBING
EXIST. FGT ESMT
LIMITS OF CONSTRUCTION
PROPOSED R/W
BORDER
TRAVEL LANES
MEDIAN
SHARED USE PATH
NATURAL GROUND

TYPICAL SECTION I

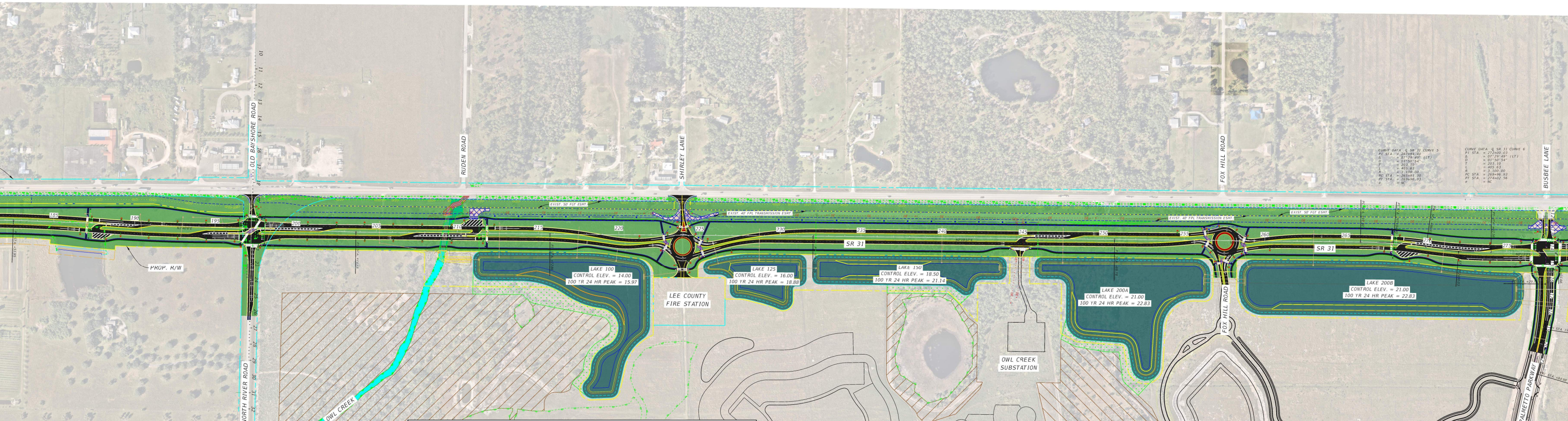


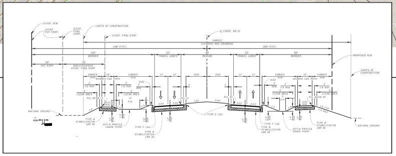
FUTURE CALOOSAHATCHEE BRIDGE PROPOSED VPH (BY OTHERS): ℄ CONST. SR 31 STA. 109+20
PROPOSED SR 31 AT SR 78 NB STOP BAR LOCATION: ℄ CONST. SR 31 STA. 130+85
PROPOSED DOWNGRADE OF FUTURE BRIDGE: 4.00%
SSD REQUIRED: 385 FT (FDM TABLE 210.11.1) + 375 FT NBT QUEUE LENGTH = 760 FT
SSD AVAILABLE: 2165 FT

SR 31 INTERIM BUILDOUT CON

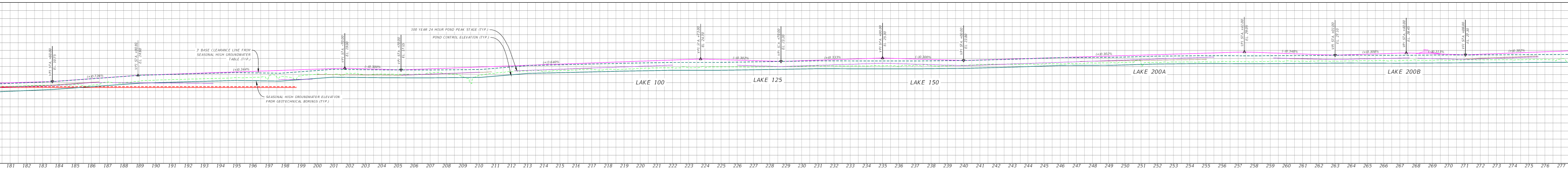
TYPICAL SECTION II

BASIN IV→


OLD BAYSHORE ROAD
RUDEN ROAD
SHIRLEY LANE
FOX HILL ROAD
BUSBEE LANE
CR 78 / NORTH RIVER ROAD
OWL CREEK
PROP. R/W
EXIST. 50' FGT ESMT.
EXIST. 40' FPL TRANSMISSION ESMT.
SR 31
LAKE 100
CONTROL ELEV. = 14.00
100 YR 24 HR PEAK = 15.97
LAKE 125
CONTROL ELEV. = 16.00
100 YR 24 HR PEAK = 18.88
LAKE 150
CONTROL ELEV. = 18.50
100 YR 24 HR PEAK = 21.14
LAKE 200A
CONTROL ELEV. = 21.00
100 YR 24 HR PEAK = 22.83
LAKE 200B
CONTROL ELEV. = 21.00
100 YR 24 HR PEAK = 22.83
LEE COUNTY FIRE STATION
OWL CREEK SUBSTATION
SAW PALMETTO PARKWAY
CURVE DATA ℄ SR 31 CURVE 5
PI STA. = 267+94.40
Δ = 07°29'49" (LT)
D = 01°50'54"
T = 203.10
L = 405.63
R = 3,100.00
PC STA. = 265+91.30
PT STA. = 269+96.93
e = NC
CURVE DATA ℄ SR 31 CURVE 6
PI STA. = 272+00.03
Δ = 07°29'49" (LT)
D = 01°50'54"
T = 203.10
L = 405.63
R = 3,100.00
PC STA. = 269+96.93
PT STA. = 274+02.56
e = NC
185
190
195
200
205
210
215
220
225
230
235
240
245
250
255
260
265
270
275


EXIST. R/W
EXIST. FGT ESMT.
EXIST. FP&L ESMT.
LIMITS OF CONSTRUCTION
EXIST. FP&L ESMT.
℄ CONST. SR 31
VARIES
CLEARING AND GRUBBING
146' (TYP.)
104' (TYP.)
102'
BORDER
22'
TRAVEL LANES
44'
MEDIAN
22'
TRAVEL LANES
60'
BORDER
PROPOSED R/W
50'
FGT ESMT
70'
NON-EXCLUSIVE EXIST. FP&L ESMT
VARIES
SOD
10'
SHARED USE PATH
11'
SOD
12'
SHARED USE PATH
LIMITS OF CONSTRUCTION
CLEAR AREA
1:6 MAX
PGL BOS@ LT.
PGL LT.
PGL RT.
PGL BOS@ RT.
0.02
0.03
0.04
MIN.
MAX
TYP.
NATURAL GROUND
TYPE B STABILIZATION LBR 40
DITCH PROFILE GRADE POINT
TYPE F C&G
TYPE E C&G
1:4
1:6 TYP.
1:4 MAX

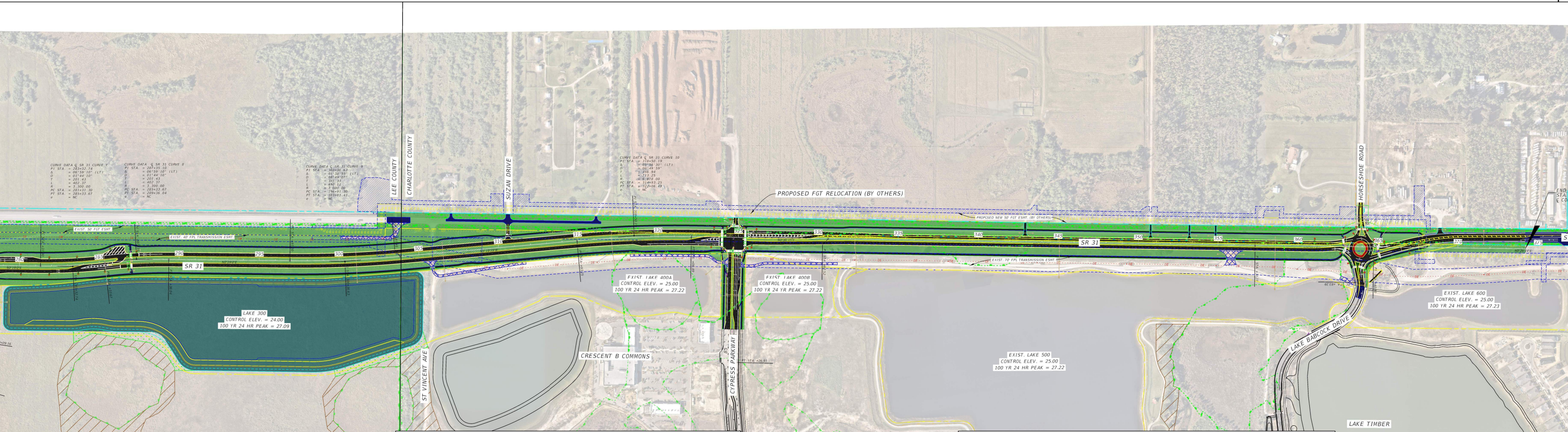
TYPICAL SECTION II

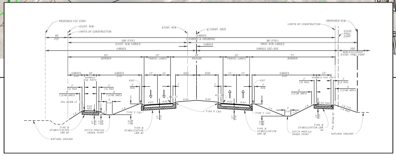

100 YEAR 24 HOUR POND PEAK STAGE (TYP.)
POND CONTROL ELEVATION (TYP.)
3' BASE CLEARANCE LINE FROM SEASONAL HIGH GROUNDWATER TABLE (TYP.)
SEASONAL HIGH GROUNDWATER ELEVATION FROM GEOTECHNICAL BORINGS (TYP.)
VPI STA. +60.00
EL. 10.75
VPI STA. +90.00
EL. 14.60
VPI STA. +70.00
EL. 19.00
VPI STA. +20.00
EL. 17.55
(+)0.726%
(+)0.344%
(-)0.300%
(+)3.640%
LAKE 100
LAKE 125
LAKE 150
LAKE 200A
LAKE 200B
181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277

DITION

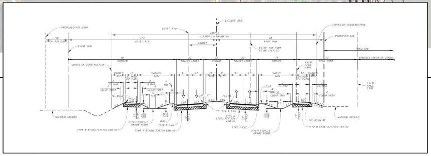
TYPICAL SECTION III | **TYPICAL SECTION IV**

BASIN V

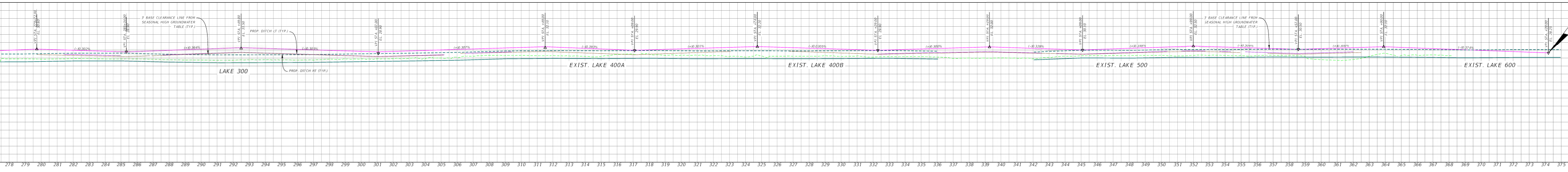

CURVE DATA ℄ SR 31 CURVE 7
PI STA. = 283+32.74
Δ = 06°59'10" (LT)
D = 01°44'10"
T = 201.43
L = 402.37
R = 3,300.00
PC STA. = 281+31.30
PT STA. = 285+33.67
e = NC
CURVE DATA ℄ SR 31 CURVE 8
PI STA. = 287+35.10
Δ = 06°59'10" (LT)
D = 01°44'10"
T = 201.43
L = 402.37
R = 3,300.00
PC STA. = 285+33.67
PT STA. = 289+36.04
e = NC
CURVE DATA ℄ SR 31 CURVE 9
PI STA. = 300+36.63
Δ = 05°38'55" (LT)
D = 00°49'07"
T = 345.33
L = 690.11
R = 7,000.00
PC STA. = 296+91.30
PT STA. = 303+81.41
e = NC
CURVE DATA ℄ SR 31 CURVE 10
PI STA. = 318+50.19
Δ = 05°56'30" (LT)
D = 00°49'59"
T = 356.94
L = 713.25
R = 6,878.00
PC STA. = 314+93.25
PT STA. = 322+06.49
e = NC
LEE COUNTY
CHARLOTTE COUNTY
SUZAN DRIVE
EXIST. 50' FGT ESMT.
EXIST. 40' FPL TRANSMISSION ESMT.
SR 31
LAKE 300
CONTROL ELEV. = 24.00
100 YR 24 HR PEAK = 27.09
ST VINCENT AVE
PROPOSED FGT RELOCATION (BY OTHERS)
PROPOSED NEW 50' FGT ESMT. (BY OTHERS)
EXIST. LAKE 400A
CONTROL ELEV. = 25.00
100 YR 24 HR PEAK = 27.22
EXIST. LAKE 400B
CONTROL ELEV. = 25.00
100 YR 24 YR PEAK = 27.22
CRESCENT B COMMONS
CYPRESS PARKWAY
85
PT STA. +26.91
EXIST. 70' FPL TRANSMISSION ESMT.
EXIST. LAKE 500
CONTROL ELEV. = 25.00
100 YR 24 HR PEAK = 27.22
HORSESHOE ROAD
LAKE BABCOCK DRIVE
EXIST. LAKE 600
CONTROL ELEV. = 25.00
100 YR 24 HR PEAK = 27.23
LAKE TIMBER
N0°26'14"E
315
320
325
330
335
340
345
350
355
360
365
370
375

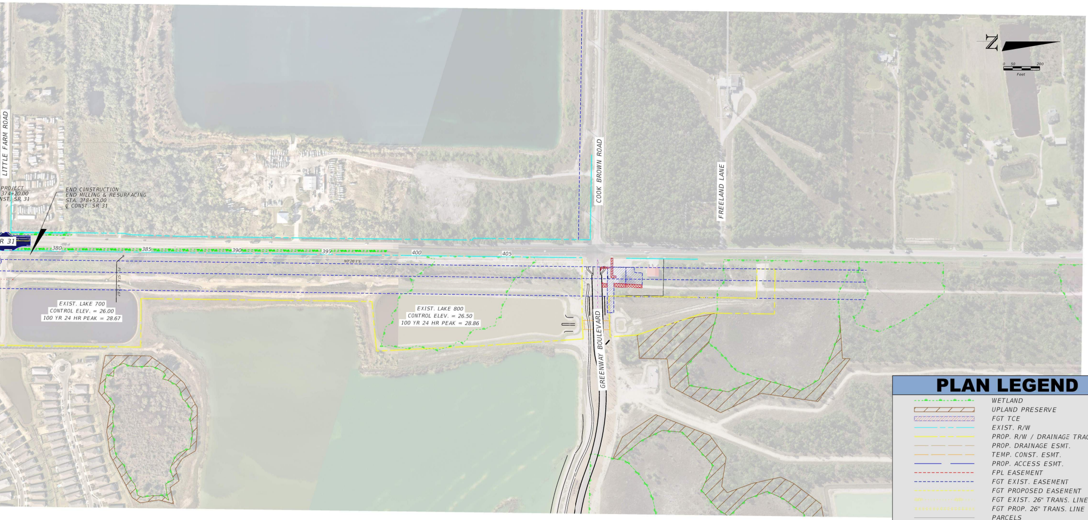


TYPICAL SECTION III



TYPICAL SECTION IV


VPI STA. 279+72.00 EL. 30.60
VPI STA. 285+34.00 EL. 28.90
3' BASE CLEARANCE LINE FROM SEASONAL HIGH GROUNDWATER TABLE (TYP.)
VPI STA. +49.00 EL. 31.50
PROP. DITCH LT (TYP.)
PROP. DITCH RT (TYP.)
VPI STA. +07.00 EL. 28.90
VPI STA. +49.00 EL. 32.10
VPI STA. +09.00 EL. 29.90
VPI STA. +74.00 EL. 32.20
VPI STA. +29.00 EL. 29.90
VPI STA. +29.00 EL. 32.00
VPI STA. +09.00 EL. 30.10
VPI STA. +99.00 EL. 32.50
VPI STA. +57.00 EL. 30.50
VPI STA. +90.00 EL. 32.10
VPI STA. +20.00 EL. 28.25
(-)0.302%
(+)0.364%
(-)0.303%
(+)0.307%
(-)0.393%
(+)0.301%
(-)0.0305%
(+)0.300%
(-)0.328%
(+)0.348%
(-)0.304%
(+)0.300%
(-)0.374%
LAKE 300
EXIST. LAKE 400A
EXIST. LAKE 400B
EXIST. LAKE 500
EXIST. LAKE 600
278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375

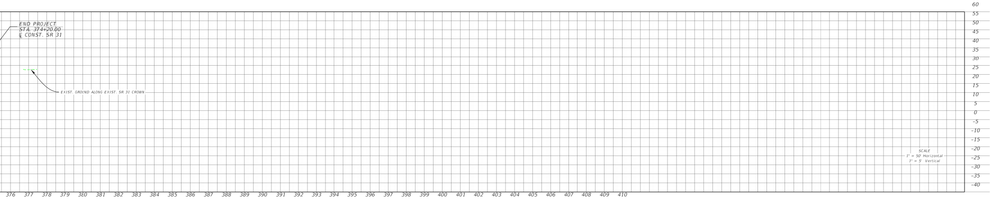

LITTLE FARM ROAD
PROJECT
374+20.00
NST. SR 31
END CONSTRUCTION
END MILLING & RESURFACING
STA. 378+53.00
℄ CONST. SR 31
R 31
380
385
390
395
400
405
N0°26'1"E
PI STA. +12.67
EXIST. LAKE 700
CONTROL ELEV. = 26.00
100 YR 24 HR PEAK = 28.67
EXIST. LAKE 800
CONTROL ELEV. = 26.50
100 YR 24 HR PEAK = 28.86
COOK BROWN ROAD
GREENWAY BOULEVARD
FREELAND LANE
N
0 50 200
Feet

PLAN LEGEND

WETLAND
UPLAND PRESERVE
FGT TCE
EXIST. R/W
PROP. R/W / DRAINAGE TRACT
PROP. DRAINAGE ESMT.
TEMP. CONST. ESMT.
PROP. ACCESS ESMT.
FPL EASEMENT
FGT EXIST. EASEMENT
FGT PROPOSED EASEMENT
FGT EXIST. 26" TRANS. LINE
FGT PROP. 26" TRANS. LINE
PARCELS
LIMITS OF USACE RETAINED WATERS

PROFILE LEGEND

EXIST. GROUND LINE
PROFILE GRADE LINE LT/RT
SEASONAL HIGH GROUND WATER ELEVATION
3' BASE CLEARANCE FROM SEASONAL HIGH GROUND WATER ELEVATION
FEMA FLOOD PLAIN ELEVATION
OFFSET LINE FROM FLOOD ELEVATION TO ENSURE NO FLOODING IN TRAVEL LANES
PROPOSED DITCH LT
SEASONAL HIGH WATER ELEVATION (FROM BIOLOGICAL INDICATORS)
3' BASE CLEARANCE FROM SEASONAL HIGH WATER ELEVATION (FROM BIOLOGICAL INDICATORS)
POND CONTROL ELEVATION
POND 100 YR 24 HR PEAK STAGE
PROPOSED DITCH RT



SCALE
1" = 50' Horizontal
1" = 5' Vertical

PROGRESSIVE DESIGN BUILD
31
Kimley»Horn
Expect More. Experience Better.
AJAX
The Future is Riding on AJAX.