

PHASE 1
FINAL SITE PLANS / CONSTRUCTION PLANS
FOR
LAKEWOOD RANCH PARK - SITE IMPROVEMENTS
5350 LAKEWOOD RANCH BLVD.
MANATEE COUNTY, FLORIDA

OWNER/
DEVELOPER

MANATEE COUNTY PARKS AND RECREATION
5502 33RD AVENUE DRIVE WEST
BRADENTON, FLORIDA 34209
(941) 748-4501
ATTN: TOM YARGER, P.M.P.

CIVIL ENGINEER/
LAND PLANNER

CPH ENGINEERS, INC.
3277A FRUITVILLE ROAD
SARASOTA, FLORIDA 34237
(941) 365-4771
ATTN: NATHAN J. KRAGT, P.E.

SURVEYOR

ZNS ENGINEERING
201 5th AVENUE DRIVE EAST
BRADENTON, FLORIDA 34206
(941) 748-8080
ATTN: JIM GATCH, P.S.M.

GEOTECHNICAL
CONSULTANT

NODARSE AND ASSOCIATES, INC.
504 EAST TYLER STREET
TAMPA, FLORIDA 33602
(813) 221-0050
ATTN: STEPHEN C. KNAUSS, P.E.

LANDSCAPE ARCHITECT

CPH ENGINEERS, INC.
500 W FULTON STREET
SANFORD, FLORIDA 32771
(407) 322-6841
ATTN: JIM WINTER, R.L.A.

UTILITIES

WATER:
MANATEE COUNTY UTILITIES
CUSTOMER SERVICE DIVISION
4410 66TH ST. WEST
BRADENTON, FLORIDA 34210
PH. (941) 792-8811
ATTN: KATHY MCMAHON

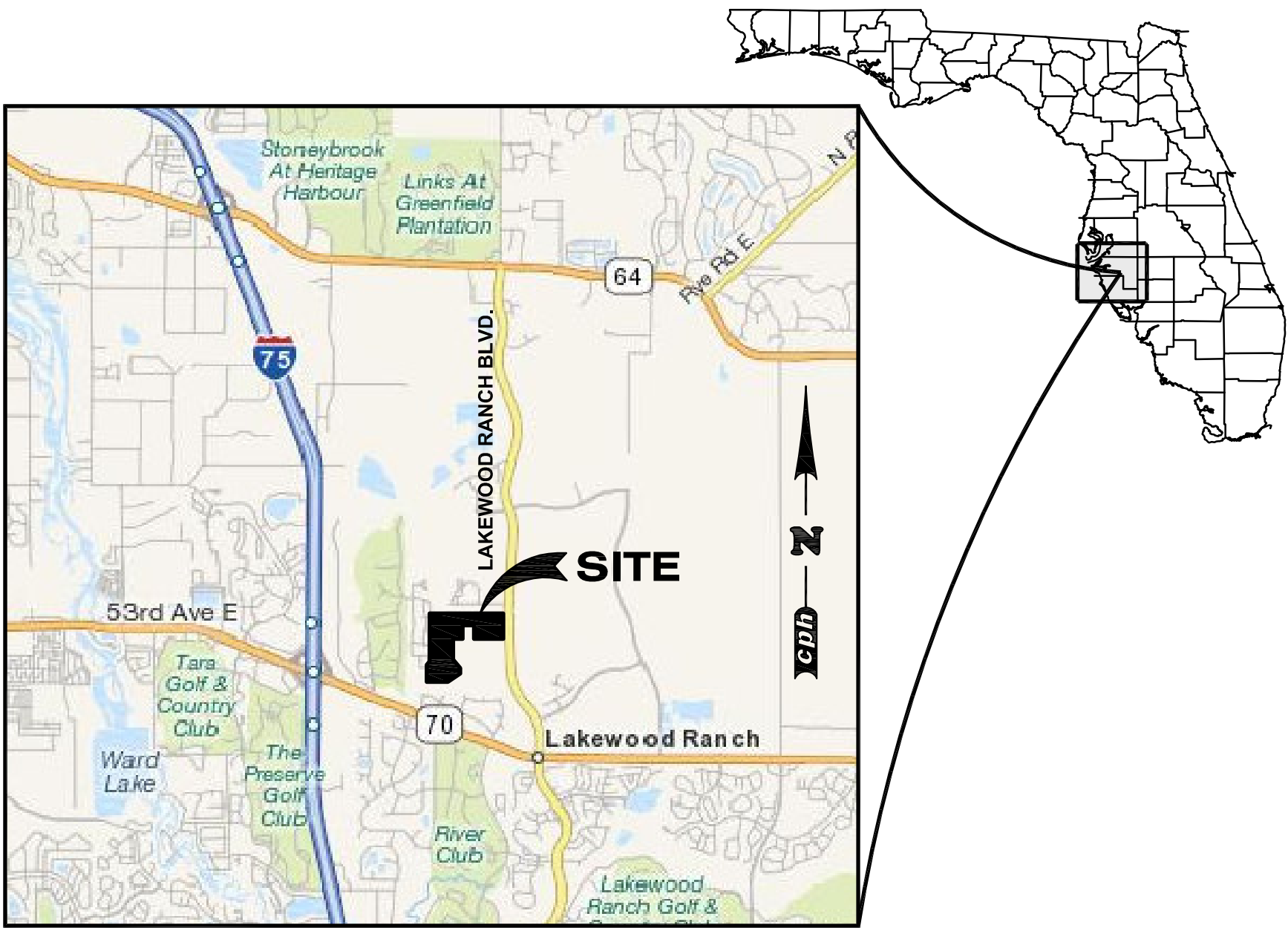
SANITARY SEWER:
MANATEE COUNTY UTILITIES
CUSTOMER SERVICE DIVISION
4410 66TH ST. WEST
BRADENTON, FLORIDA 34210
PH. (941) 792-8811
ATTN: KATHY MCMAHON

GAS:
TECO PEOPLES GAS
8261 VICO COURT
SARASOTA, FLORIDA 34240
(941) 342-4006
ATTN: DAN SHANAHAN

TELEPHONE:
VERIZON FLORIDA INC.
1701 RINGLING BLVD.
SARASOTA, FLORIDA 34236
ATTN: PATTI REID
(941) 906-6711

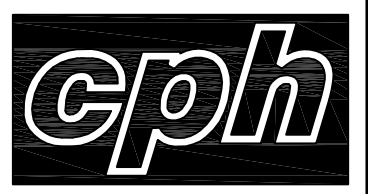
ELECTRIC:
PEACE RIVER ELECTRIC COOPERATIVE, INC.
P.O. BOX 1310
WACHULA, FLORIDA 33873
(863) 767-4602
ATTN: JERRY TWIGGS

CABLE:
BRIGHT HOUSE NETWORKS, MANATEE
700 CARILLON PARKWAY SUITE 6
ST. PETERSBURG, FLORIDA 33716
(727) 329-2833
ATTN: GLENN WICKETT



MANATEE COUNTY, FLORIDA
SECTIONS 7 & 18-TOWNSHIP 35 SOUTH-RANGE 19 EAST
VICINITY MAP
NTS

"CONSENT IS HEREBY GRANTED SPECIFICALLY TO GOVERNMENTAL AGENCIES
TO REPRODUCE THIS DOCUMENT IN COMPLIANCE WITH F.S. CHAPTER 119."



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Bldg A, Suite 2
Sarasota, Florida 34237
Phone: 941.365.4771
Fax: 941.365.4779

Engineers
Surveyors
Architects
Planners
Landscape Architects
Environmental Scientists
Construction Management
Traffic / Transportation

Eng. C.O.A. No. 3215
Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Landscp. Lic. No. LC0000298
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* INCLUDED IN PHASE 1 CONSTRUCTION PLANS



Approval Type: _____ Project Name: LAKEWOOD RANCH PARK SITE IMPROVEMENTS

Approved: _____ Date: _____ File Number: _____

PROJECT PLANNER (PD) _____

PROJECT ENGINEER (PW) _____

CONCURRENCY (PD) _____

ENVIRONMENTAL PLANNING (PD) _____

ENVIRONMENTAL HEALTH _____

FIRE DISTRICT _____

OWNER / AGENT _____

Attention: The combination of this signed plan and accompanying approval letter constitutes the complete approval document. Both documents should be provided to interested parties and submitted with any building permit application.

COVER SHEET

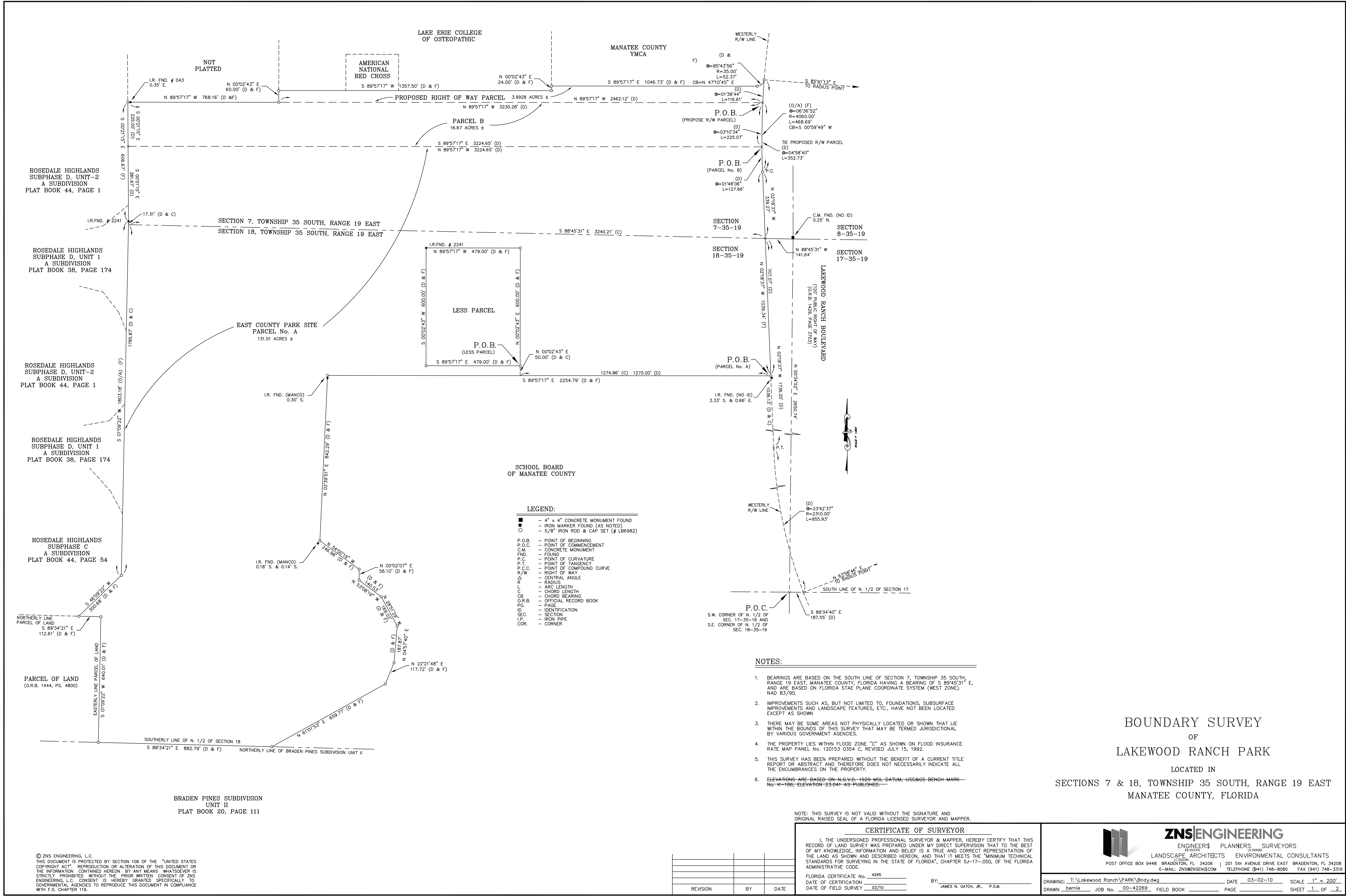
LAKEWOOD RANCH PARK
SITE IMPROVEMENTS

MANATEE COUNTY, FLORIDA

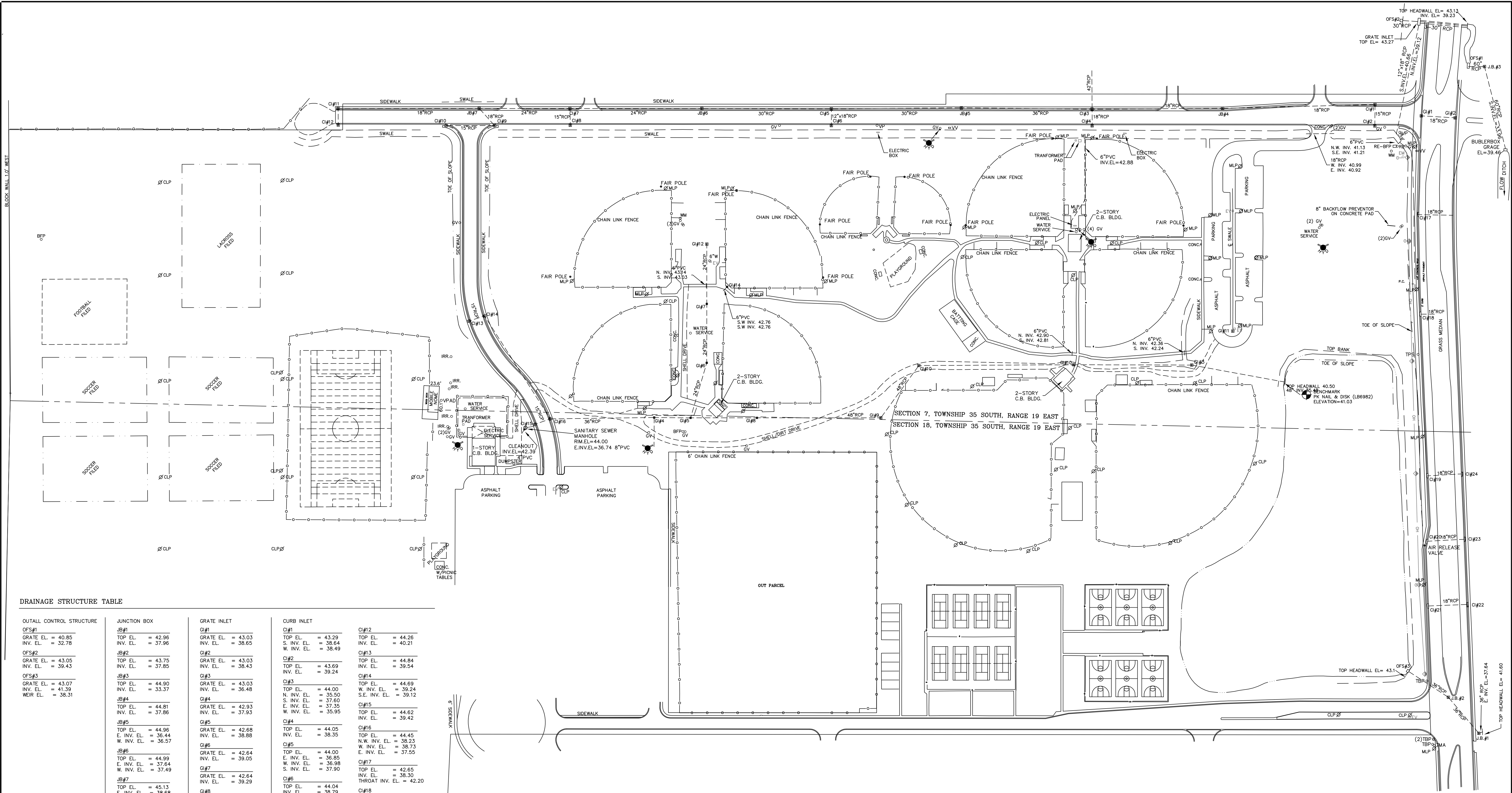
Sheet No.

C-1

"NOTICE"
THE SIZE OF THESE PLANS MAY HAVE
BEEN SLIGHTLY ALTERED BY
REPRODUCTION PROCESSES. THIS
MUST BE CONSIDERED WHEN SCALING
ANY REPRODUCED PLANS FOR THE
PURPOSE OF COLLECTING DATA.



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DRAINAGE STRUCTURE TABLE

OUTALL CONTROL STRUCTURE	JUNCTION BOX	GRATE INLET	CURB INLET
OFS#1 GRATE EL. = 40.85 INV. EL. = 32.78	JB#1 TOP EL. = 42.96 INV. EL. = 37.96	GI#1 GRATE EL. = 43.03 INV. EL. = 38.65	CI#1 TOP EL. = 43.29 S. INV. EL. = 38.64 W. INV. EL. = 38.49
OFS#2 GRATE EL. = 43.05 INV. EL. = 39.43	JB#2 TOP EL. = 43.75 INV. EL. = 37.85	GI#2 GRATE EL. = 43.03 INV. EL. = 38.43	CI#2 TOP EL. = 43.69 INV. EL. = 39.24
OFS#3 GRATE EL. = 43.07 INV. EL. = 41.39 WEIR EL. = 38.31	JB#3 TOP EL. = 44.90 INV. EL. = 33.37	GI#3 GRATE EL. = 43.03 INV. EL. = 36.48	CI#3 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
	JB#4 TOP EL. = 44.81 INV. EL. = 37.86	GI#4 GRATE EL. = 42.93 INV. EL. = 37.93	CI#4 TOP EL. = 44.05 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
	JB#5 TOP EL. = 44.96 E. INV. EL. = 36.44 W. INV. EL. = 36.57	GI#5 GRATE EL. = 42.68 INV. EL. = 38.88	CI#5 TOP EL. = 44.05 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
	JB#6 TOP EL. = 44.99 E. INV. EL. = 37.64 W. INV. EL. = 37.49	GI#6 GRATE EL. = 42.64 INV. EL. = 39.05	CI#6 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
	JB#7 TOP EL. = 45.13 E. INV. EL. = 38.68 W. INV. EL. = 38.98 S.E. INV. EL. = 38.98	GI#7 GRATE EL. = 42.64 INV. EL. = 39.29	CI#7 TOP EL. = 44.04 INV. EL. = 38.79
		GI#8 GRATE EL. = 42.81 INV. EL. = 37.21	CI#8 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
		GI#9 GRATE EL. = 42.88 INV. EL. = 36.98	CI#9 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
		GI#10 GRATE EL. = 42.83 INV. EL. = 36.73	CI#10 TOP EL. = 44.04 INV. EL. = 38.79
		GI#11 GRATE EL. = 42.05 INV. EL. = 37.05	CI#11 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
		GI#12 GRATE EL. = 42.84 INV. EL. = 39.59	CI#12 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
		GI#13 GRATE EL. = 42.30 INV. EL. = 35.75	CI#13 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
		GI#14 GRATE EL. = 43.95 INV. EL. = 42.77	CI#14 TOP EL. = 44.00 N. INV. EL. = 35.50 S. INV. EL. = 37.60 E. INV. EL. = 37.35 W. INV. EL. = 35.95
			CI#15 TOP EL. = 44.62 INV. EL. = 39.42
			CI#16 TOP EL. = 44.45 N.W. INV. EL. = 38.23 W. INV. EL. = 38.73 E. INV. EL. = 37.55
			CI#17 TOP EL. = 42.65 INV. EL. = 38.30 THROAT INV. EL. = 42.20
			CI#18 TOP EL. = 43.31 INV. EL. = 39.01 THROAT INV. EL. = 42.90
			CI#19 TOP EL. = 43.56 INV. EL. = 39.21 THROAT INV. EL. = 43.10
			CI#20 TOP EL. = 42.80 THROAT INV. EL. = 42.34
			CI#21 TOP EL. = 43.20 THROAT INV. EL. = 42.76
			CI#22 TOP EL. = 43.05
			CI#23 TOP EL. = 42.60
			CI#24 TOP EL. = 43.01

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REVISION	BY	DATE

NOTE: THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

CERTIFICATE OF SURVEYOR	
I, THE UNDERSIGNED PROFESSIONAL SURVEYOR & MAPPER, HEREBY CERTIFY THAT THIS RECORD OF LAND SURVEY WAS PREPARED UNDER MY DIRECT SUPERVISION THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF IS A TRUE AND CORRECT REPRESENTATION OF THE LAND AS SHOWN AND DESCRIBED HEREON, AND THAT IT MEETS THE "MINIMUM TECHNICAL STANDARDS FOR SURVEYING IN THE STATE OF FLORIDA", CHAPTER 53-17-0.50, OF THE FLORIDA ADMINISTRATIVE CODE.	
FLORIDA CERTIFICATE No. _____	BY: _____
DATE OF CERTIFICATION X/X/X	DATE OF FIELD SURVEY X/X/X

TOPOGRAPHIC SURVEY
OF A PORTION OF
LAKEWOOD RANCH PARK
LOCATED IN
SECTIONS 7 & 18, TOWNSHIP 35 SOUTH, RANGE 19 EAST
MANATEE COUNTY, FLORIDA

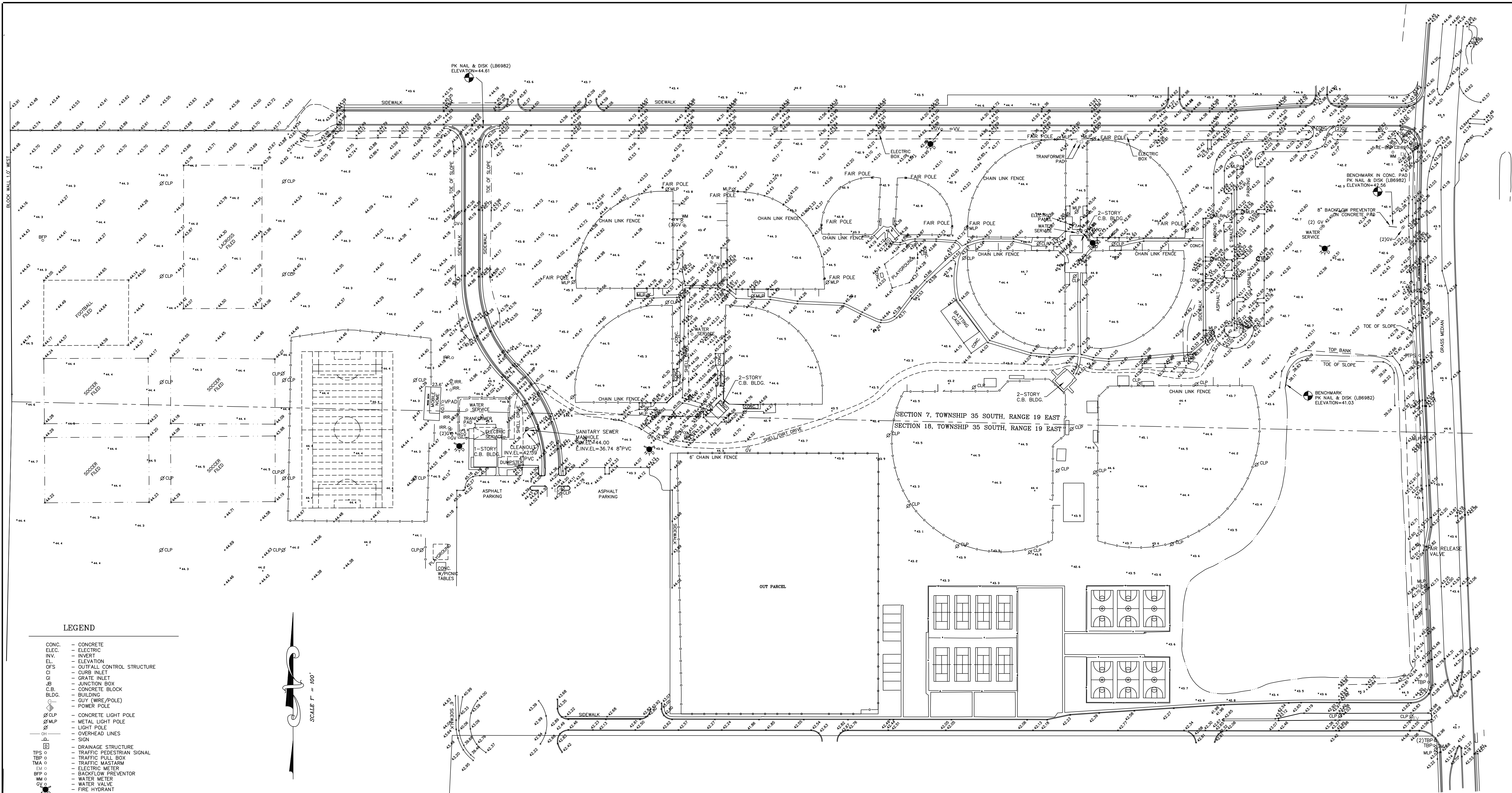
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K:\Plot Files\Projects\Lakewood\PARK\Drainage.plt

ZNS ENGINEERING
ENGINEERS ARCHITECTS PLANNERS SURVEYORS
LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS
POST OFFICE BOX 9448 BRADENTON, FL 34206 | 201 5th AVENUE DRIVE EAST BRADENTON, FL 34208
E-MAIL: ZNS@ZNSENGINEERING.COM TELEPHONE (841) 748-8080 FAX (841) 748-3318

DRAWING: T:\Lakewood Ranch\PARK\Drainage.dwg DATE 03-02-10 SCALE 1" = 100'

DRAWN bernie JOB No. 00-42269 FIELD BOOK PAGE SHEET 3 OF 3



NOTES:

- BEARINGS ARE BASED ON THE SOUTH LINE OF SECTION 7, TOWNSHIP 35 SOUTH, RANGE 19 EAST, MANATEE COUNTY, FLORIDA HAVING A BEARING OF S 89°45'31" E, AND ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE), NAD 83/90.
- IMPROVEMENTS SUCH AS, BUT NOT LIMITED TO, FOUNDATIONS, SUBSURFACE IMPROVEMENTS AND LANDSCAPE FEATURES, ETC., HAVE NOT BEEN LOCATED EXCEPT AS SHOWN
- THERE MAY BE SOME AREAS NOT PHYSICALLY LOCATED OR SHOWN THAT LIE WITHIN THE BOUNDS OF THIS SURVEY THAT MAY BE TERMED JURISDICTIONAL BY VARIOUS GOVERNMENT AGENCIES.
- THE PROPERTY LIES WITHIN FLOOD ZONE "C" AS SHOWN ON FLOOD INSURANCE RATE MAP PANEL No. 120153 0354 C, REVISED JULY 15, 1992.
- THIS SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT OR ABSTRACT AND THEREFORE DOES NOT NECESSARILY INDICATE ALL THE ENCUMBRANCES ON THE PROPERTY.
- ELEVATIONS ARE BASED ON N.G.V.D. 1929 DATUM, DERIVED FROM MANATEE COUNTY BM 127-29-19, ELEVATION OF 43.45 AND MANATEE COUNTY BM 127-29-21, ELEVATION OF 44.28.

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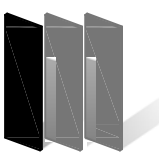
FLORIDA CERTIFICATE No. _____ BY: _____
DATE OF CERTIFICATION X/X/X
DATE OF FIELD SURVEY X/X/X

REVISION BY DATE

TOPOGRAPHIC SURVEY
OF A PORTION OF
LAKEWOOD RANCH PARK

LOCATED IN
SECTIONS 7 & 18, TOWNSHIP 35 SOUTH, RANGE 19 EAST
MANATEE COUNTY, FLORIDA

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DRAWING: T:\Lakewood Ranch\PAK\Topo.dwg DATE 03-02-10 SCALE 1" = 100'
DRAWN bernie JOB No. 00-42269 FIELD BOOK PAGE SHEET 2 OF 3