



**Interoffice Memorandum**

October 28, 2020

TO: Mayor Jerry L. Demings  
and Board of County Commissioners

FROM: Joseph C. Kunkel, P.E., Director, Public Works Department

CONTACT PERSON: **Humberto L. Castellero, P.E., PTOE, Manager**  
**Traffic Engineering Division**

PHONE NUMBER: (407) 836-7891

SUBJ: **Installation of Traffic Control Devices and "No Parking" signs in  
La Shore Subdivision**

Our staff recommends installing the following traffic control devices in La Shore Subdivision:

Install "STOP" signs on:  
Bonnie Street at Sprite Lane  
Bonnie Street at Kirby Smith Road

The Fire Marshal recommends installing the following "No Parking" signs in La Shore Subdivision:

Install "NO PARKING" signs on:  
Bonnie Street  
Sprite Lane

**Action Requested: Approval of Traffic Control Devices and "No Parking" signs  
installation in La Shore Subdivision. District 4.**

JCK/HLC/FCY/dar

Attachments

# LA SHORE

A PLAT OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA AND LYING IN  
SECTION 17, TOWNSHIP 24 SOUTH, RANGE 31 EAST, ORANGE COUNTY, FLORIDA  
DISTRICT # 4

STOP/STREET		INITIALS
(1)	(Ft _____ N) on Bonnie Street at Sprite Lane	10600 _____ 1200 _____
(2)	(Ft _____ S) on Bonnie Street at Kirby Smith Road	10600 _____ 10100 _____

## SPEED LIMIT 25

(1)	(Ft _____ N) on Bonnie Street at Sprite Lane	_____ _____
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## NO PARKING with arrows

On Bonnie Street from Kirby Smith Road to Sprite Lane, on both sides of the roadway as indicated on the attached parking plan.

On Sprite Lane from the southwest cul-de-sac to the northeast cul-de-sac, on both sides of the roadway as indicated on the attached parking plan.

10/28/2020  
ahw/

**SITE DATA**

1. PARCEL ID: 17-04-31-027-02-000

2. TOTAL PROJECT AREA: 14.90 ACRES

3. LAKE WHIPPOORWILL AREA: 1.39 ACRES

4. CLASS 1 WETLAND AREA: 0.51 ACRES ON SHORE OF LAKE WHIPPOORWILL

5. PROPOSED USE: SINGLE FAMILY RESIDENTIAL

6. PROPOSED NUMBER OF LOTS: 14

7. PROPOSED WALK SURVEY:

SET DEVELOPABLE AREA = TOTAL SITE AREA - WETLANDS - LAKES = 14.90 - 0.51 - 1.39 = 13.00 ACRES

SET BUILDABLE AREA = TOTAL DEVELOPABLE AREA - BUFFER - ENVIRONMENTAL SPACES + TRACTS = 10.48 ACRES

SET DENSITY = 14 DU / 10.48 ACRES = 1.34 DENSITY

8. PROJECT TO BE CONSTRUCTED IN ONE (1) PHASE.
9. EXISTING LAND USE: CITRUS GROVE
10. EXISTING ZONING: PLANNED DEVELOPMENT (PD)
11. EXISTING FUTURE LAND USE: PLANNED DEVELOPMENT (PD) AND RURAL 1/2
12. FIRE FLOW FOR SINGLE FAMILY DWELLING SHALL BE AS FOLLOWS:  
- HOUSES 5,000 SF OR LESS: 1,000 GPM  
- HOUSES EXCEEDING 5,000 SF SHALL PROVIDE FIRE FLOW IN ACCORDANCE WITH TABLE 11.4.1.1.2 OF NFPA 1 (TYPE 2010). REDUNDANCY OF FIRE FLOW MAY BE PERMITTED IF DUALFLOW IS EQUIPPED WITH AN AUTOMATIC STRATIFIED SYSTEM OR SEPARATED FROM OTHER SUPPLYED BY 30 FEET H2O IN NO CASE SHALL THE FIRE FLOW BE LESS THAN 500 GPM PER 1.1.4.2.3 NFPA 1 (TYPE 2010) (NOTED) (TYP.)
13. MAX. BUILDING HEIGHT: 35' - 2 STORY
14. MIN. SETBACK AREA (UNDER FEET 4 MIN): 1,500 SF
15. OPEN SPACE/ SINGLE FAMILY - 1IN (REGULATED LOT AREA)
16. MIN. RECREATION AREA: 7.5 ACRES / 11,600 RESIDENCES
17. WATER SERVICE PROVIDED BY ORANGE UTILITIES CONNECTIONS
18. WASTEWATER SERVICE PROVIDED BY ORANGE COUNTY UTILITIES
19. SEWERAGE WATER SERVICE PROVIDED BY ORANGE COUNTY UTILITIES
20. ON-SITE STORMWATER SYSTEMS SHALL BE DESIGNED TO MEET ORANGE COUNTY AND STATE REQUIREMENTS.
21. POLLUTION ABATEMENT SHALL BE PROVIDED ACCORDING TO ORANGE COUNTY CODE 14-132 (1) (2) (WEEDS OR STORMS), CANALS, AND WETLANDS CONNECTED TO LAKE.
22. ALL SIGAGE SHALL COMPLY WITH CHAPTER 311.5 OF THE ORANGE COUNTY CODE OF ORDINANCE AND APPROVED MASTER SIGS PLAN OF LAKE BARTON PD DATED FEBRUARY 2010.
23. ALL CONSERVATION TRACTS AND ELEMENTS SHALL BE CARED AND MAINTAINED BY THE HOA AND THE DEVELOPER RIGHTS DELEGATED TO ORANGE COUNTY.
24. TRACTS & FACILITIES RECREATION INCLUDES:  
CATEGORY C - WALKING TRAILS AND BENCHES  
CATEGORY D - 70' LOT
25. "NO PARKING" SIGNS SHALL BE PLACED ON STREET LIGHT POLES.

**TRACT DATA**

TRACT ID	TRACT USE	ORANGE COUNTY	MAINTENANCE	ORANGE COUNTY	ACRAGE	PERCENT
A	ROAD RIGHT OF WAY	ORANGE COUNTY	ORANGE COUNTY	1.42	9.5%	
B	POSITIVE RECREATION	ORANGE COUNTY	ORANGE COUNTY	0.17	1.1%	
C	DRY-TERRACE FOUNDATION SPACE	ORANGE COUNTY	ORANGE COUNTY	1.40	9.4%	
D	ACTIVE RECREATION/OPEN SPACE	ORANGE COUNTY	ORANGE COUNTY	0.24	1.6%	
E	10' LANDSCAPE BUFFER	ORANGE COUNTY	ORANGE COUNTY	0.24	1.6%	
F	20' DRAINAGE EASIMENT	ORANGE COUNTY	ORANGE COUNTY	0.37	2.5%	
G	WETLANDS	ORANGE COUNTY	ORANGE COUNTY	0.51	3.4%	
H	ENVIRONMENTAL SMALL	ORANGE COUNTY	ORANGE COUNTY	0.52	3.5%	
I	UNDISTURBED VEGETATED NATURAL BUFFER	ORANGE COUNTY	ORANGE COUNTY	0.23	1.5%	
J	WETLANDS/OPEN SPACE	ORANGE COUNTY	ORANGE COUNTY	0.15	1.0%	
K	LAKE WHIPPOORWILL	ORANGE COUNTY	ORANGE COUNTY	1.39	9.3%	
L	LOT LOTS (10 TOTAL)	ORANGE COUNTY	ORANGE COUNTY	2.59	17.4%	
M	RURAL SETBACKS (4 TOTAL)	ORANGE COUNTY	ORANGE COUNTY	0.17	1.1%	
TOTAL					14.90	100.0%

**RECREATION DATA**

REQUIRED RECREATION AREA: 0.31 ACRES

CODE: 2.5 ACRES / 1,000 RESIDENCES  
RESIDENCE = 3.1 X 14 = 43.4 RESIDENTS  
(2.5 / 1,000) X 44 = 0.11 ACRES

RECREATION AREA PROVIDED - TRACT E: 0.32 ACRES

MIN. OPEN SPACE REQUIRED: 101

**DRAFTED CONSTRUCTION**

DU	LAND USE	UNIT	DATE	NO.	RATE	TOTAL	EMER.	CH.
210	SINGLE FAMILY RESIDENTIAL	14	0.52	133	1.00	14	8	5

**WATER SERVICE DEMAND**

LAND USE	UNIT	OPDMAT	8 LBS	ADD	ADD	ADD	OPDMAT	8 LBS	ADD	ADD	ADD	OPDMAT	8 LBS
SINGLE FAMILY RESIDENTIAL	DWELLING UNIT	200	14	4,200	2,892	5,63	11,87						

**WATER SERVICE DEMAND**

LAND USE	UNIT	OPDMAT	8 LBS	ADD	ADD	ADD	OPDMAT	8 LBS	ADD	ADD	ADD	OPDMAT	8 LBS
SINGLE FAMILY RESIDENTIAL	DWELLING UNIT	250	14	4,900	3,40	6,81	13,81						

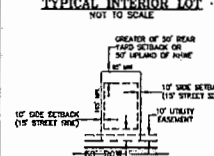
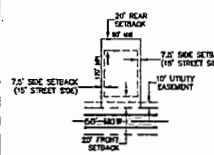
**SCHOOL DEMANDS**

AGE	UNITS	RATE	CHILDREN
ELEMENTARY	14	0.396	5
MIDDLE	14	0.180	2
HIGH	14	0.134	2
TOTAL			9

FOR LAKE BARTON HOA HOA "TERRACE RECREATION" RECREATION DEMAND CONSTRUCTION, NO SIGAGE WITHIN IS REQUIRED FOR THIS PROJECT

APPROVED: **SEP 19 2018**

MARINA TORO  
FOR THE COUNTY ENGINEER  
ORANGE COUNTY UTILITIES DEPARTMENT  
WASTEWATER TREATMENT PLANT  
ORANGE COUNTY UTILITIES DEPARTMENT  
ORANGE COUNTY UTILITIES DEPARTMENT



**LOT REQUIREMENTS**

DIMENSION	MIN.	SIGNAL DEVELOPMENT / LAKEFRONT
FRONT SETBACK	25 FT	25 FT
REAR SETBACK	25 FT	25 FT
LEFT SIDE SETBACK	7.5 FT	7.5 FT
RIGHT SIDE SETBACK	7.5 FT	7.5 FT
STREET SIDE	15 FT	15 FT

**SOILS LEGEND**

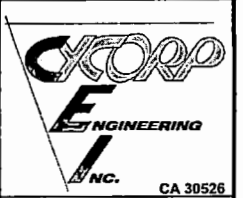
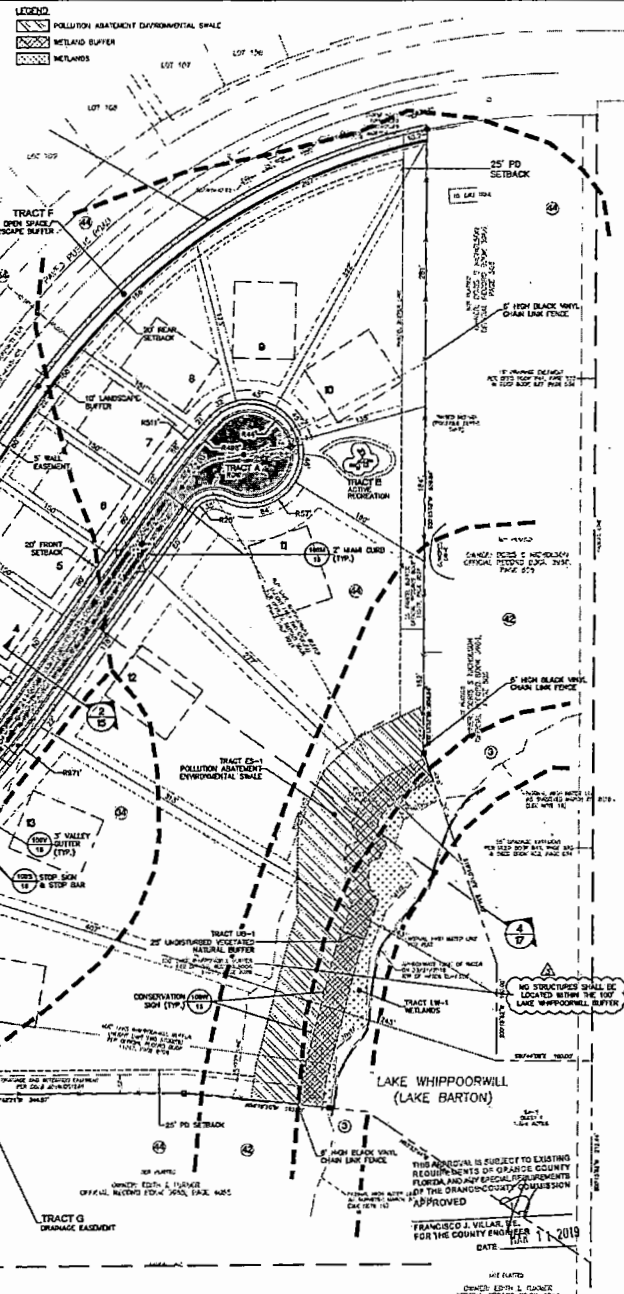
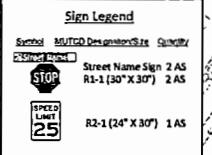
1. BASSINGER FINE SAND TYPE "D"

2. POWELL FINE SAND TYPE "C"

3. SARBEL FINE SAND TYPE "D/D"

4. SARVA FINE SAND TYPE "D"

5. ZOLFO FINE SAND TYPE "C"



**CIVIL ENGINEERS LAND PLANNERS**

1614 White Dove Drive  
Winter Springs, Florida 32706  
Tel: (407) 405-7819

KIM@CYCORPENGINEERS.COM

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**LAKE BARTON PD**

**LA SHORE SUBDIVISION**

**CONSTRUCTION PLANS**

**ORANGE COUNTY**

**REVISIONS**

Description	REVISIONS	Date	By
1. PER ORANGE COUNTY		11/6/18	KF
2. PER ORANGE COUNTY		12/12/18	KF
3. PER ORANGE COUNTY		1/11/19	KF

**SITE PLAN**

SEPTEMBER 2018

1" = 80'

FRANCISCO J. VILLAR, P.E.  
FOR THE COUNTY ENGINEER  
DATE: MAR 11 2019

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**SITE DATA**

1. PARCEL ID: 17-04-31-4247-00-000
2. TOTAL PROPERTY AREA: 14.40 ACRES
3. LAKE WHIPPOORWILL AREA: 1.39 ACRES
4. CLASS 1 UTLAND AREA: 0.51 ACRES ON SHORE OF LAKE WHIPPOORWILL
5. PROPOSED USE: SINGLE FAMILY RESIDENTIAL
6. PROPOSED NUMBER OF UNITS: 14
7. PROPOSED NET DENSITY:
  - NET DEVELOPABLE AREA = TOTAL SITE AREA - WETLANDS - LAKE = 14.90 - 0.51 = 14.39 = 12.90 ACRES
  - NET BUILDABLE AREA = TOTAL DEVELOPABLE AREA - BUFFER - ENVIRONMENTAL ZONES = TRACTS = 19.48 ACRES

NET DENSITY = 14 UNITS / 10.48 ACRES = 1.34 UNITS/ACRE

8. PROJECT TO BE CONSTRUCTED IN ONE (1) PHASE.
9. EXISTING LAND USE: CIRRUS GRASS
10. EXISTING ZONING: UNDEVELOPED LAND (UD)
11. EXISTING TYPICAL LAND USE: UNDEVELOPED LAND (UD) AND RURAL 1/2
12. FIRE FLOOR FOR SINGLE FAMILY DWELLING SHALL BE AS FOLLOWS:
  - WOODS 5,000 SF OF CEILING: 1,000 GPM
  - WOODS EXCEEDING 5,000 SF SHALL PROVIDE FIRE FLOOR IN ACCORDANCE WITH TABLE 11.4.3.1.2 OF NFPA 1 (TYPE 2001). REDUCTION OF FIRE FLOOR MAY BE PERMITTED IF DWELLING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM OR SEPARATED FROM OTHER STRUCTURES BY A FIRE FLOOR OR NO CASE SHALL THE FIRE FLOOR BE LESS THAN 500 GPM PER 16.4.3 NFPA (TYPE 2001) (COURT) (FPI).

13. MIN. DWELLING HEIGHT: 35' - 2 STORY
14. MIN. LIVING AREA (UNDER GREAT & ATT): 1,500 SF
15. OVER SPACE SINGLE FAMILY - 104 (LIVING LOT AREA)
16. MIN. RECREATION AREA: 2.5 ACRES / 1,000 RESIDENTS
17. WATER SERVICE PROVIDED BY ORANGE COUNTY UTILITIES COMMISION
18. WASTEWATER SERVICE PROVIDED BY ORANGE COUNTY UTILITIES
19. SEWAGE WATER SERVICE PROVIDED BY ORANGE COUNTY UTILITIES
20. GUEST WATER SYSTEMS SHALL BE DESIGNED TO MEET ORANGE COUNTY AND STATE REQUIREMENTS.
21. POLLUTION ABATEMENT SHALL BE PROVIDED ACCORDING TO ORANGE COUNTY CODE 24-132 (12) WETLANDS, CANALS, AND WETLANDS CONNECTED TO LAKE.
22. ALL STORAGE SHALL COMPLY WITH CHAPTER 31.5 OF THE ORANGE COUNTY CODE OF ORDINANCES AND APPROVED MASTER SITE PLAN OF LAKE BARTON TO DATED FEBRUARY 2016.
23. ALL OBSERVATION TRACTS AND BASEMENTS SHALL BE OWNED AND MAINTAINED BY THE HOA AND THE DEVELOPER RIGHTS DELEGATED TO ORANGE COUNTY.
24. TRACT C (ACTIVE RECREATION) INCLUDES:
  - CATEGORY C - WALKING TRAILS AND BIKES
  - CATEGORY D - TOT LOT
25. "NO PARKING" SIGNS SHALL BE PLACED ON STREET LIGHT POLES.

**TRACT DATA**

TRACT #	TRACT USE	OWNERSHIP	MAINTENANCE	ACREAGE	PERSONS
1	SEAS FRONT OF MEY	ORANGE COUNTY	ORANGE COUNTY	6.47	2,374
2	PASSIVE RECREATION	HOA	HOA	2.30	2,300
3	DRYBRIDGE POND/WATER SPARE	ORANGE COUNTY	ORANGE COUNTY	1.48	10,000
4	ACTIVE RECREATION/OPEN SPACE	HOA	HOA	0.38	3,416
5	10' LANDSCAPE BUFFER (KERRY SMITH ADJ)	HOA	HOA	0.21	0.62
6	20' DRAINAGE EASEMENT	HOA	HOA	0.19	1,296
7	21.12 WETLANDS	ORANGE COUNTY	ORANGE COUNTY	0.64	0.22
8	ENVIRONMENTAL SHALE	HOA	HOA	0.22	3,511
9	UNDEVELOPED VEGETATED NATURAL BUFFER	HOA	HOA	0.23	1,253
10	WETLAND/OPEN SPACE	HOA	HOA	0.19	1,401
11	LAKE WHIPPOORWILL	HOA	HOA	1.39	4,233
12	LIN LOGS (10 TOTAL)	HOA	HOA	1.69	24,100
13	RURAL DEVELOPMENT LOT# 4 (NOVA)	HOA	HOA	0.16	0.34
	TOTAL			14.80	100,000

**RECREATION DATA**

REQUIRED RECREATION AREA: 0.11 ACRES

CODE: 2.5 ACRES / 1,000 RESIDENCES  
RESIDENCE = 3.1 PERSONS PER DWELLING UNIT  
3.1 x 14 = 43.4 RESIDENTS  
12.5 / 1,000 x 44 = 0.11 ACRES

RECREATION AREA PROVIDED - TRACT E: 0.32 ACRES

MIN. OPEN SPACE REQUIRED: 10%

**TRAFFIC GENERATION**

CU CODE	LAND USE	UNITS	DAILY RATE	TRIP RATE	TOTAL	ENTER	EXIT
210	SINGLE FAMILY RESIDENTIAL	14	8.52	133	1,000	14	0

**OTHER EXISTING GARAGES**

LAND USE	UNIT	OFFSPAC	UNITS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS
SINGLE FAMILY DWELLING	UNIT	300	14	4,300	2.83	0.83	11.67			

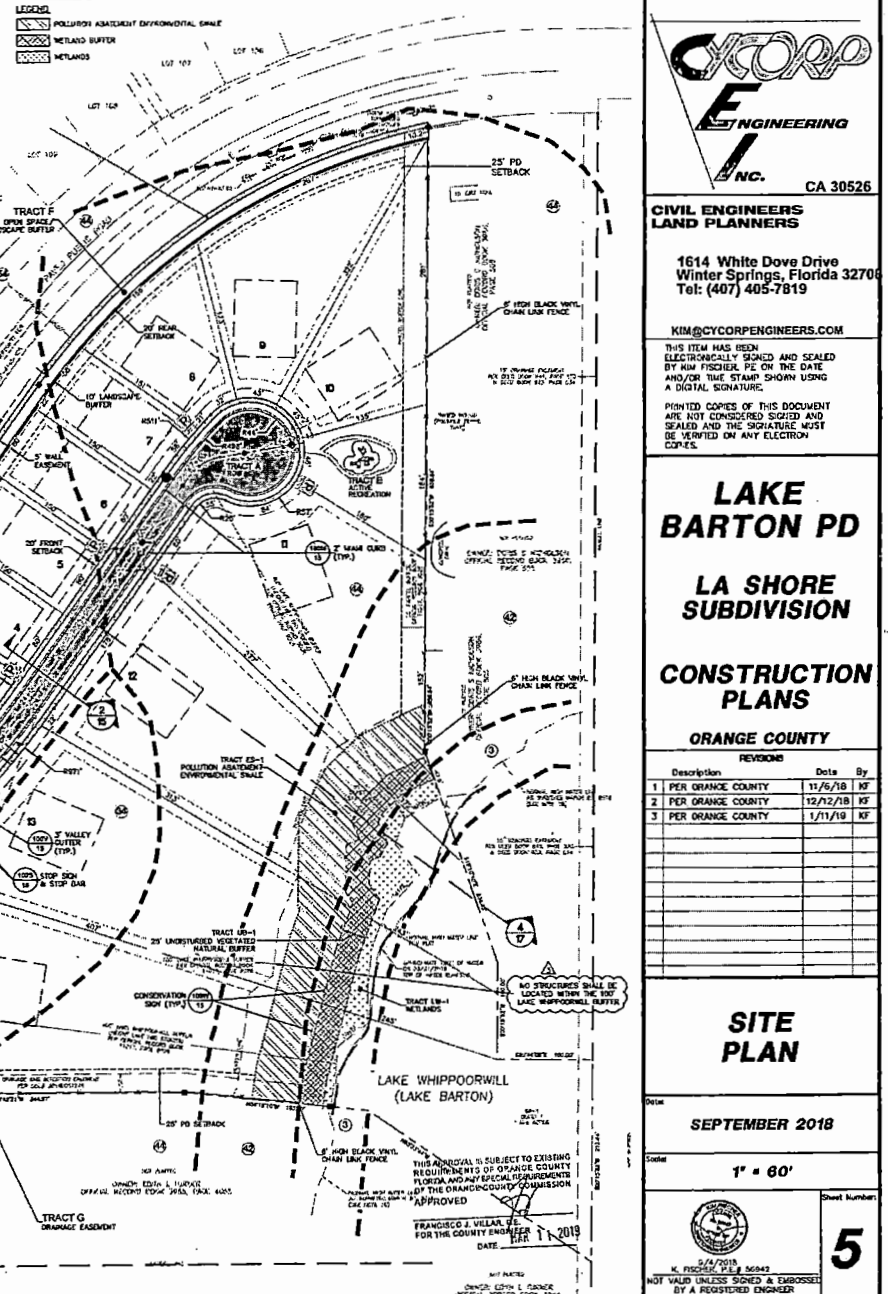
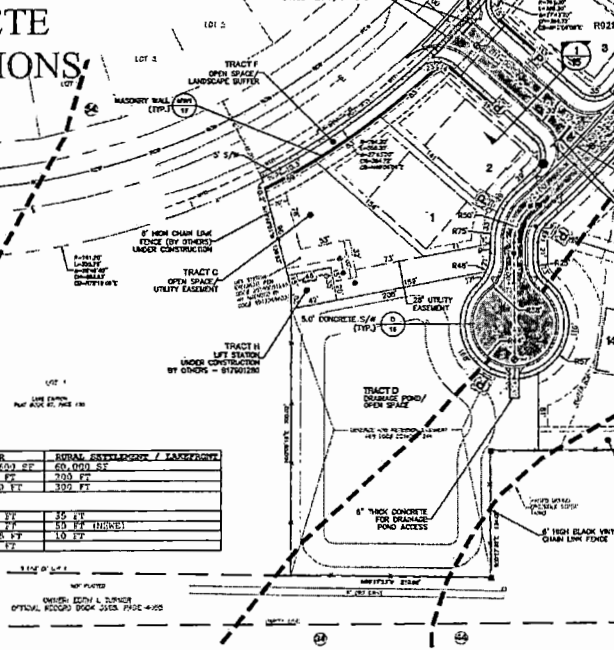
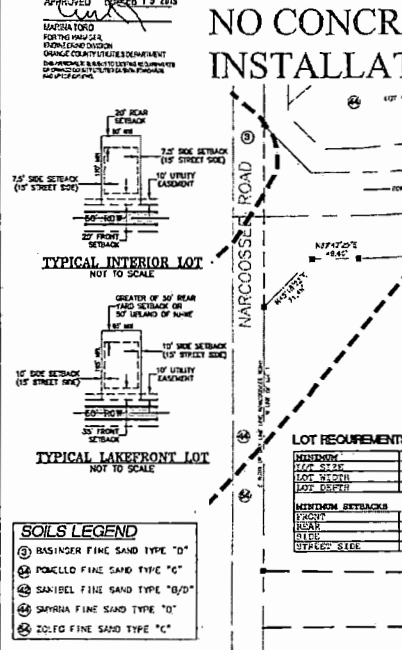
**WATER SERVICE GARAGES**

LAND USE	UNIT	OFFSPAC	UNITS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS	ADD BDRS
SINGLE FAMILY DWELLING	UNIT	350	14	4,300	2.40	0.81	13.81			

**SCHOOL DEMANDS**

AGE	UNITS	RATE	CHILDREN
ELEMENTARY	14	0.296	4
MIDDLE	14	0.100	1
HIGH	14	0.134	2
TOTAL			7

LAKE BARTON PD HAS "RIGHTS" REGARDING SCHOOL CONTINGENCY. NO SCHOOL CONTINGENCY IS REQUIRED FOR THIS PROJECT.



**CYCORP ENGINEERING INC.** CA 30526

**CIVIL ENGINEERS LAND PLANNERS**

1614 White Dove Drive  
Winter Springs, Florida 32706  
Tel: (407) 405-7819

KIM@CYCORPENGINEERS.COM

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**LAKE BARTON PD**

**LA SHORE SUBDIVISION**

**CONSTRUCTION PLANS**

**ORANGE COUNTY**

**SITE PLAN**

SEPTEMBER 2018

1" = 60'

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