

July 17, 2019

BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

IFB # Y19-1040-AV
LANDSCAPE MANAGEMENT OF ACTIVE AND INACTIVE WATER PLANTS
TERM CONTRACT

ADDENDUM NO. 1

This addendum is hereby incorporated into the Invitation for Bids document. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Deletions are denoted by ~~striketrough~~ and additions via underline.

A. Opening date changed: ~~Tuesday, July 23, 2019~~, **Thursday, July 25, 2019** at 2:00PM (local time).

B. Add to Scope of Services as follows:

page 43, paragraph 20. TREES,

F. If the base of the tree is beyond five (5) feet, but the limbs are in the five (5) foot range, the Contractor shall cut limbs beyond the five (5) foot range.

G. Decorative trees shall not be encroached upon by other brush or trees. The Contractor shall maintain the mulch on the decorative trees at three (3) inches in depth, a minimum of three (3) feet in diameter from the base, and a three (3) foot diameter walking path from the edge of the mulch bed.

Page 41, paragraph 17. TURF AREAS (SEEDED AND WILD GRASS),

H. Conservation signs shall be visible, cut to and around the sign. These signs are not set a specific distance from the fence. The distance of the conservation signs is where the cut back or mowing ends both horizontally and vertically.

C. Modify Scope of Services as follows:

Page 43, paragraph 21. MULCH, section

D. All mulch shall be provided by Contractor at the Contractor's expense and maintained at ~~two inches to two and half inches~~ three (3) inches of thickness. Mulch shall be maintained to a loose consistency and shall not be allowed to become matted or compacted.

D. Questions and Answers:

1. **Question:** During site visit at Southern Regional Water Supply Facility, it were stated Manager would like encroaching tree limbs and vegetation beyond 5ft to be cleared, will that be an additional line item for that? Contract states 5ft away from fenceline?

A. **Answer:** Yes, vegetation within five (5) feet of the fence line and vegetation encroaching on decorative trees shall be removed as stated on, Page 43, paragraph 20. TREES: Contractor shall maintain all tree limbs to a minimum clearance of twelve (12) feet high from grade. Suckers growth and dead material shall be removed from all trees and shrubs within a radius of twenty-five (25) feet. No limbs from neighboring trees shall encroach on decorative trees or come within five (5) feet of the fence line. This shall not include tree limbs over waterways, ponds, or trees on neighboring properties that are not owned by Orange County. Any questions regarding tree trimming shall be directed to the County Representative prior to beginning work.

- B. No, an additional line item shall not be added. All tree maintenance shall be included in the bid price. Yes, all limbs that come within five (5) feet of the fence line shall be cut back, as stated on Page 43, paragraph 20. TREES: Contractor shall maintain all tree limbs to a minimum clearance of twelve (12) feet high from grade. Suckers growth and dead material shall be removed from all trees and shrubs within a radius of twenty-five (25) feet. No limbs from neighboring trees shall encroach on decorative trees or come within five (5) feet of the fence line. This shall not include tree limbs over waterways, ponds, or trees on neighboring properties that are not owned by Orange County. Any questions regarding tree trimming shall be directed to the County Representative prior to beginning work.

2. **Question:** Page 33, #4 Frequency of Service...states weekly service performed between hours of 7am – 2pm Monday through Friday. Can hours be extended to 7am – 3:30pm?

Answer: No, hours will remain the same for the following reason: Property maintenance will occur between 7AM through 2PM. Property inspections and corrections will occur between 2PM through 3PM. Staff at Water Production leaves at 3PM.

3. **Question:** Page 43, #20 Trees... Is Palm trees included, some palms are higher than 25ft.

Answer: Yes, all trees are included regardless of height.

4. **Question:** During site visit, noticed a lot of trees and palms not maintained, will that be up to standard before new contractor? If not will cleanup or line item be added to get trees and palms up to contract specifications?

A. **Answer:** No, a line item will not be added to bring the site up to contract specifications. Page 33, paragraph 4. FREQUENCY OF SERVICE, section I. states the following: During the first cycle of all bid items, the Contractor shall bring all areas specified in the contract up to a maintainable standard. No additional compensation shall be given to

the Contractor for bringing the specified areas up to a maintainable level. All work locations shall be considered provided by the County in an "as is" condition.

5. **Question:** Do you have sprinkler controller counts and zones for each site?

Answer: Yes, we have the following at this moment: Eastern Regional has two (2) controllers and one (1) says it has ten (10) stations, the other says two (2) stations.

Southern Regional plant is in this addendum 1, Attachment 2 SRWSF Irrigation Plans.

Western Regional plant is in this addendum 1, Attachment 3 WRWSF Irrigation Information.

6. **Question:** Do you have aerial maps of the sites?

Answer: Aerial Maps are located in addendum 1, Attachment 1, Southern Regional Aerial maps.

ACKNOWLEDGEMENT OF ADDENDA

- a. The bidder shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the bid.
- b. Receipt acknowledged by:

Authorized Signer

Date Signed

Title

Name of Bidder



SOUTHERN REGIONAL AERIAL MAPS

Parcel Information - 26-24-29-0000-00-003Orange County Property Appraiser • Bill Donegan, CFA •
<http://www.ocpafl.org>**Property Summary****Property Name**

Southeast Water Treatment Plant

Names

Orange County BCC

Municipality

ORG - Un-Incorporated

Property Use

8600 - County

Mailing AddressC/O Real Estate Mngt Dept
Po Box 1393
Orlando, FL 32802-1393**Physical Address**13000 S Orange Ave
Orlando, FL 32824

QR Code For Mobile Phone



292426000000003 03/07/2012



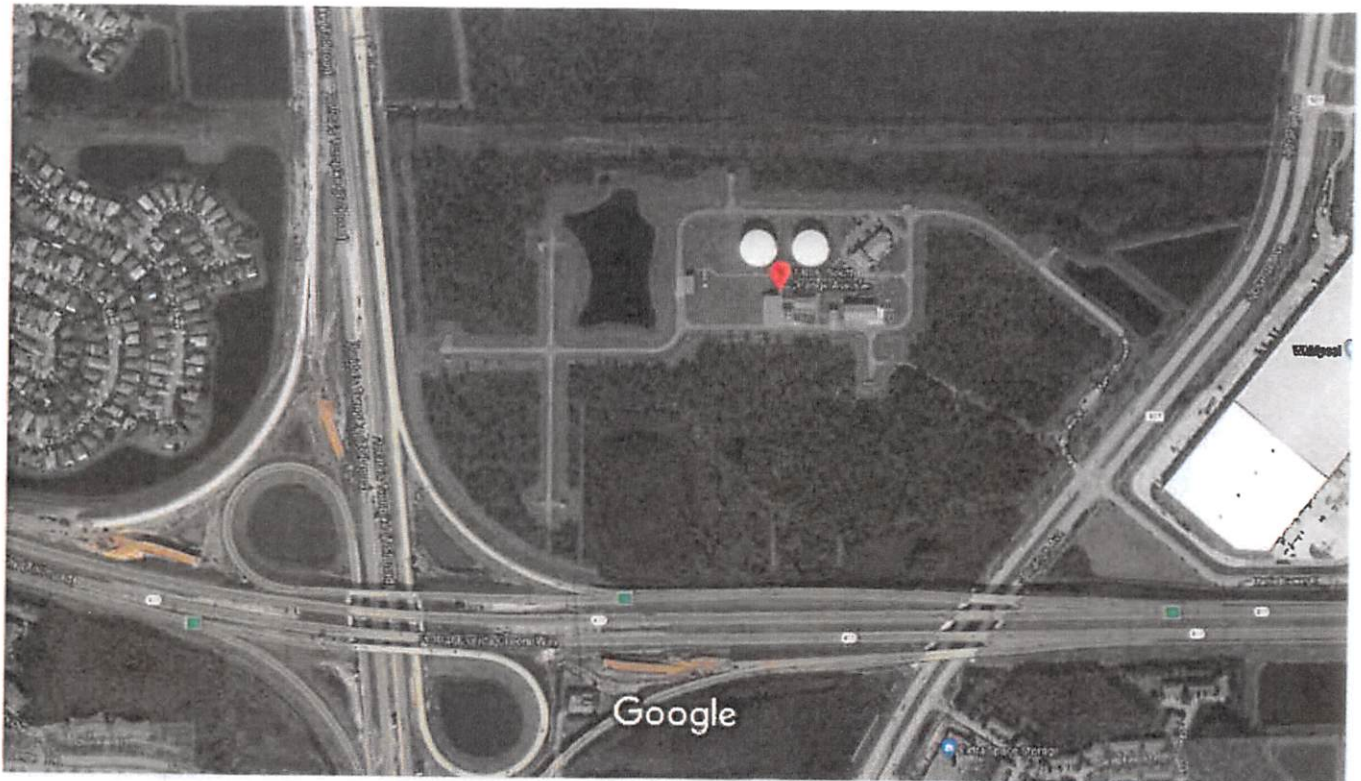
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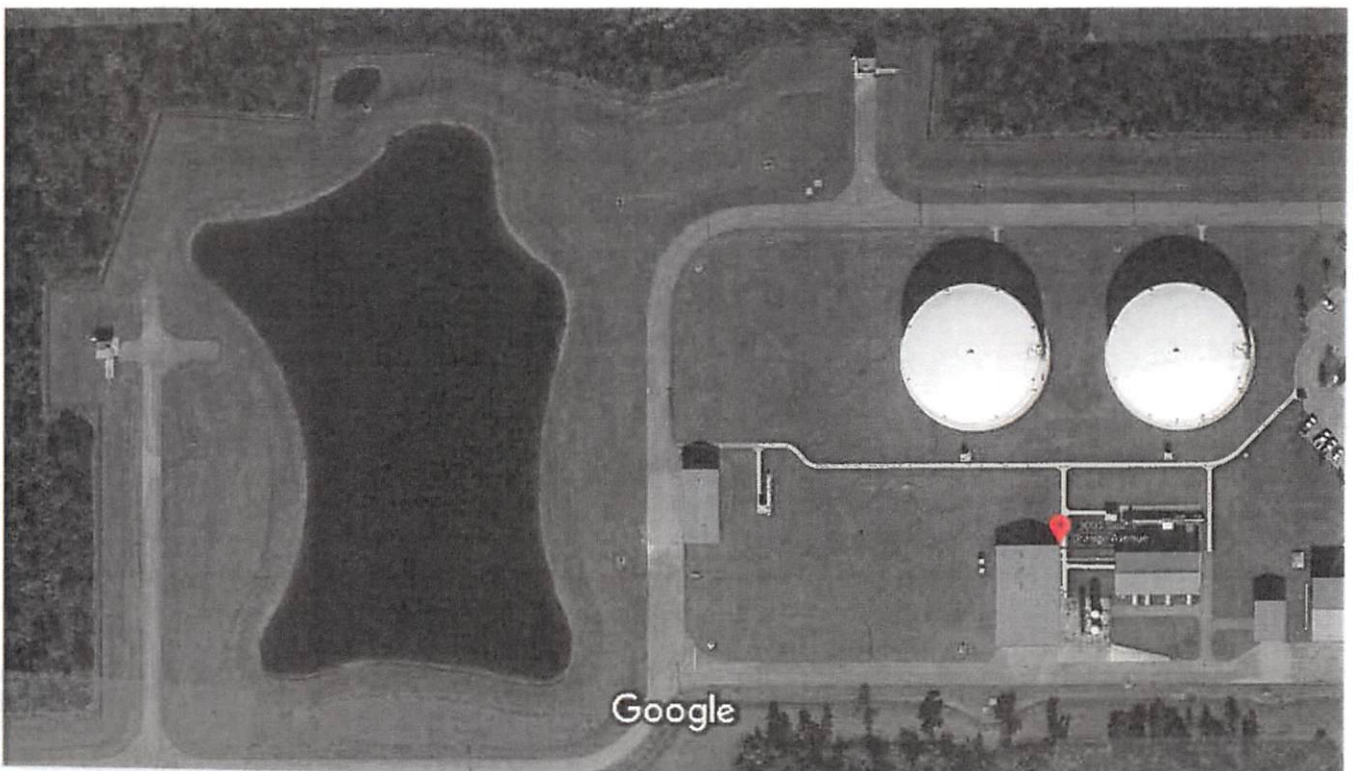
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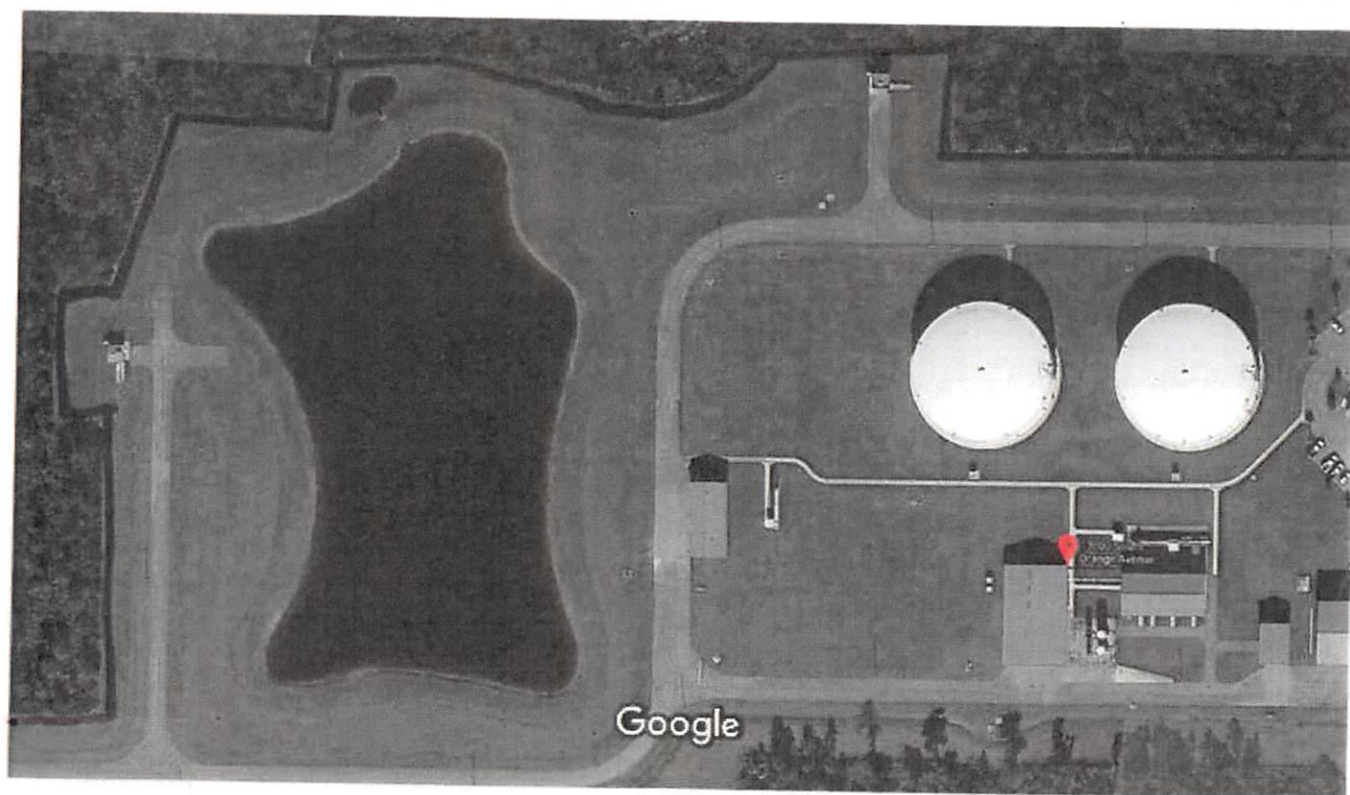
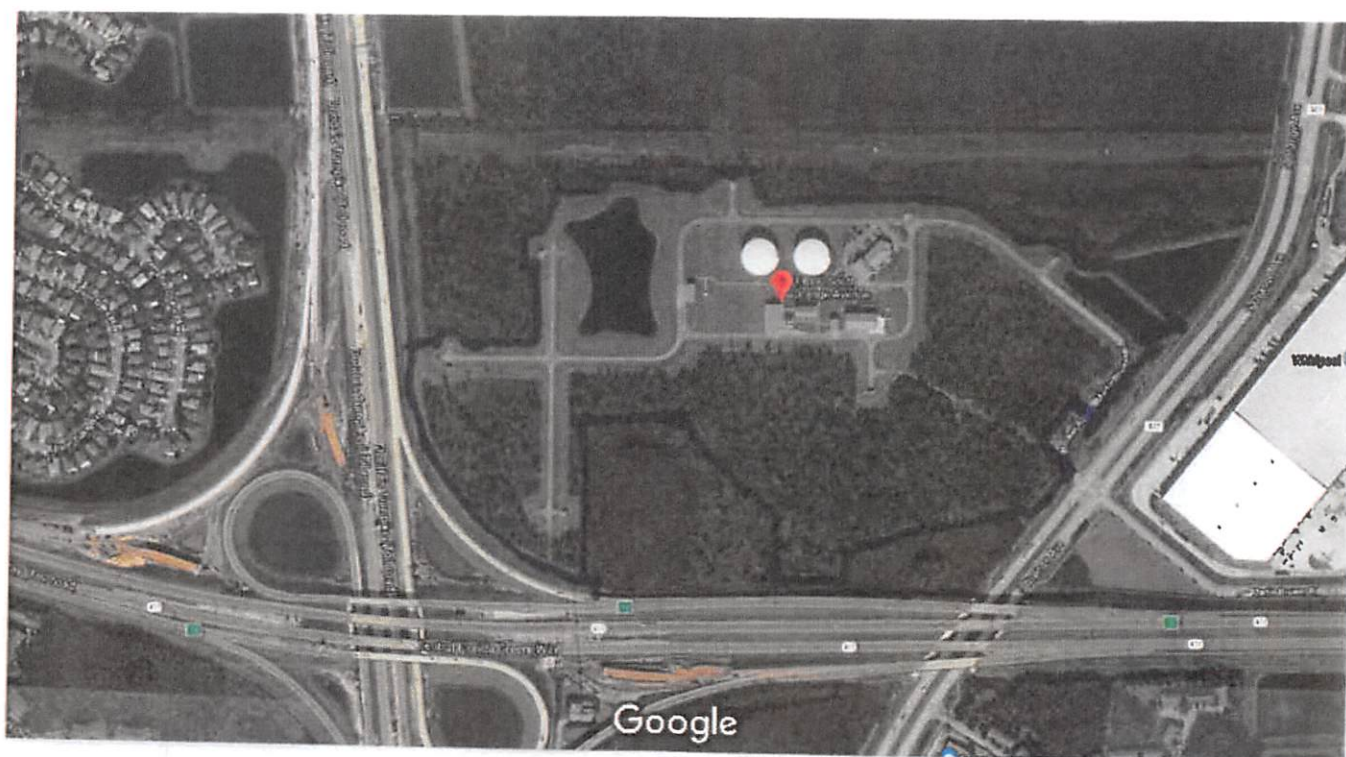
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Imagery ©2010 DigitalGlobe, GeoEye, USA, Inc., and others

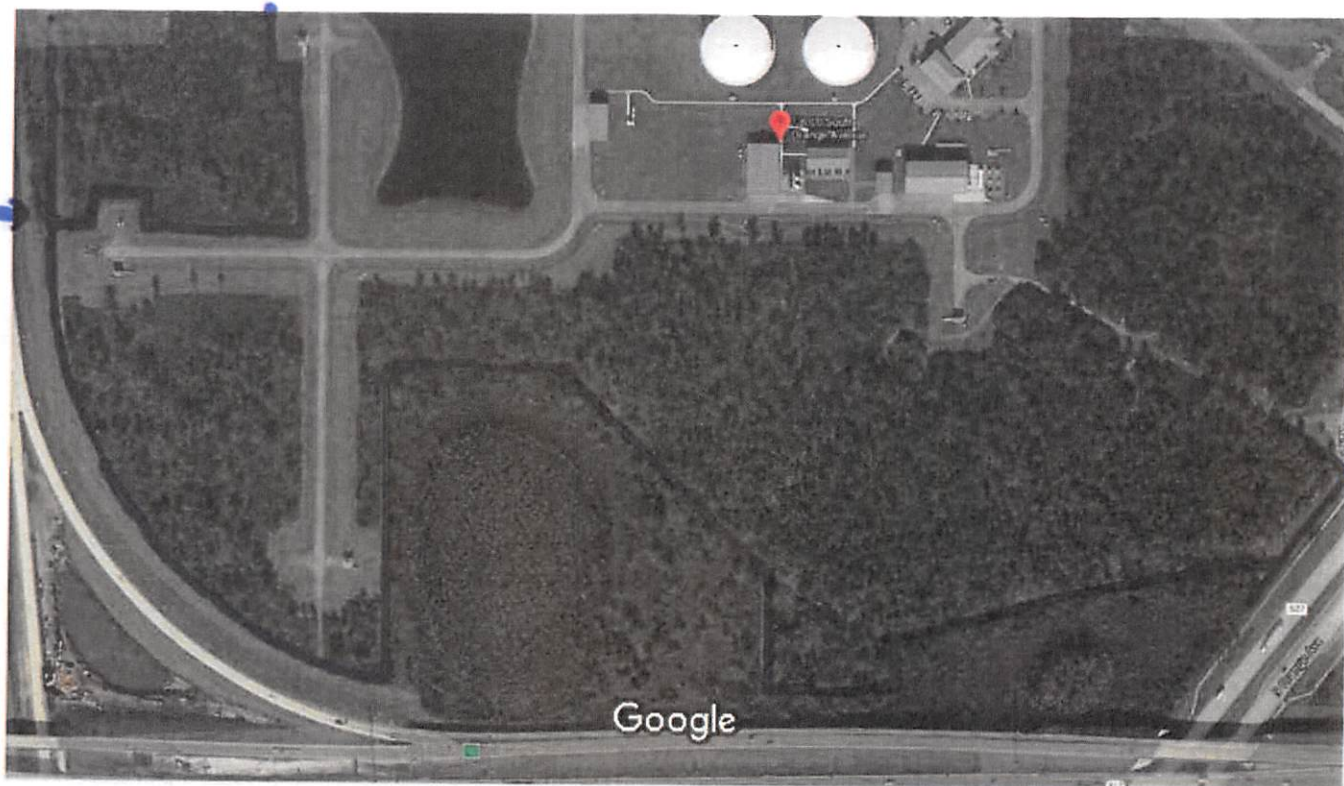


Southern Regional WSF





rest of
of fence





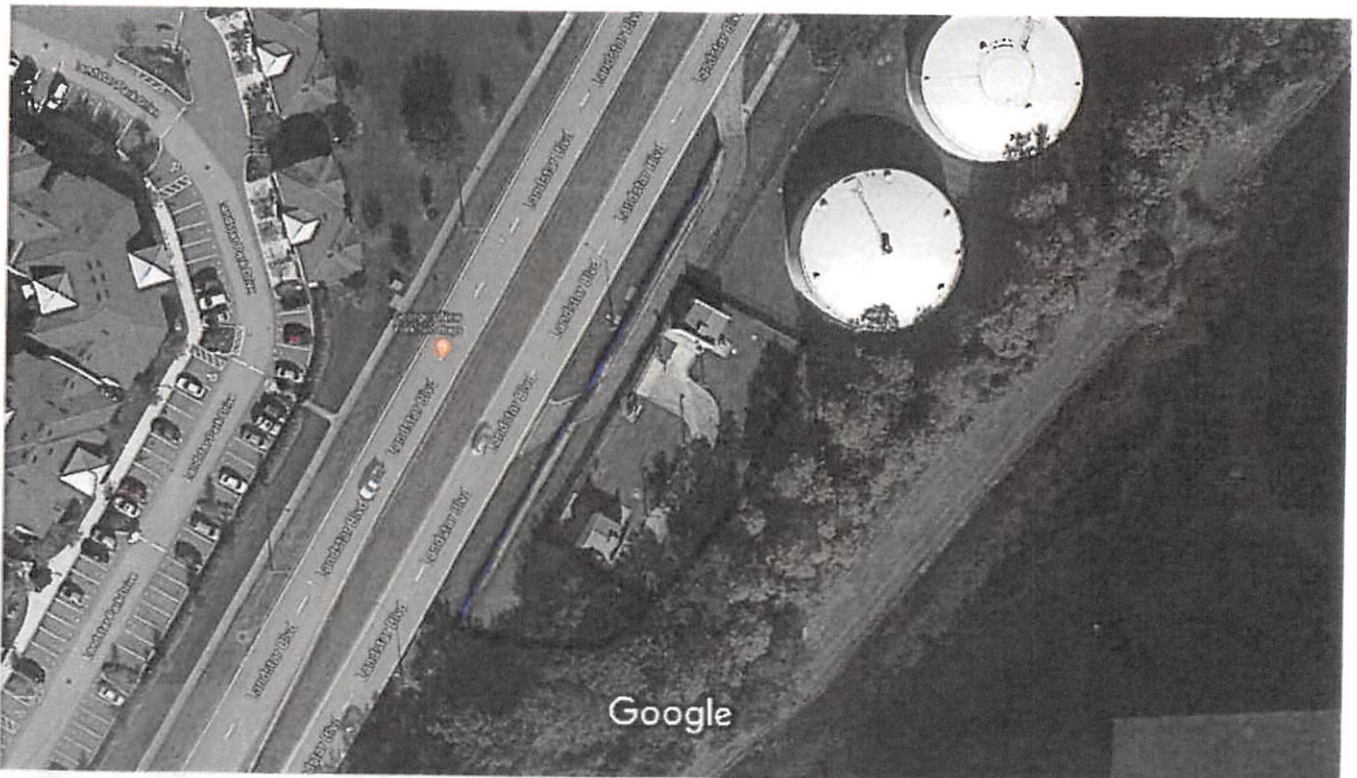
13421 Landstar Blvd

SRWSF off-site Wells #7 & #8



13421 Landstar Blvd

SRWSF off-site Wells #7 & #8



Google Maps

14000 Water Plant Dr

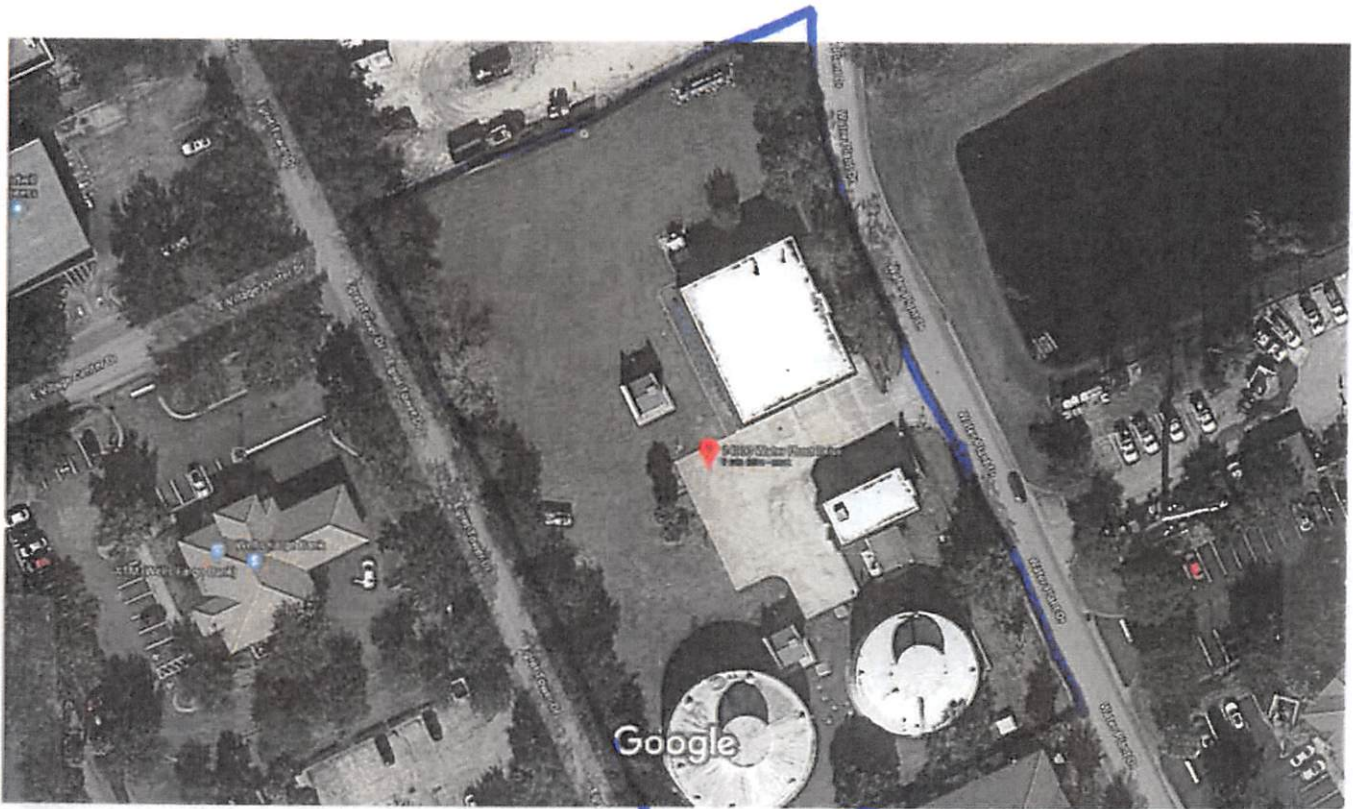
Hunters Creek

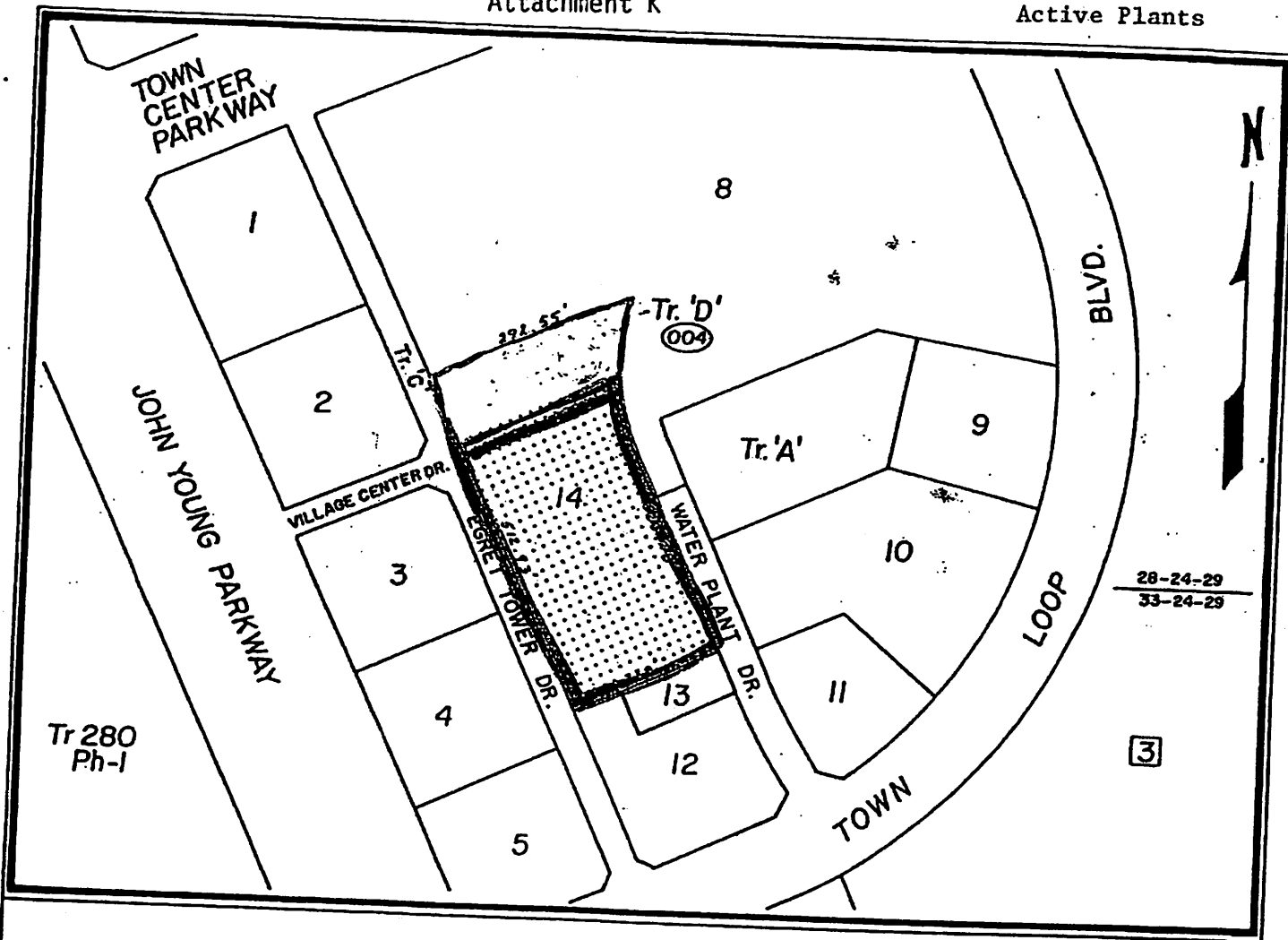


Google Maps

14000 Water Plant Dr

Hunters Creek





Complex Name: HUNTER'S CREEK Complex Acct. #: 5263-0000

Street Address: WATER PLANT DR & TOWN LOOP BLVD 32821

S-T-R- $\frac{1}{4}$ -Pg. #: 28-24-29 NW 801B Current Status: ACTIVE

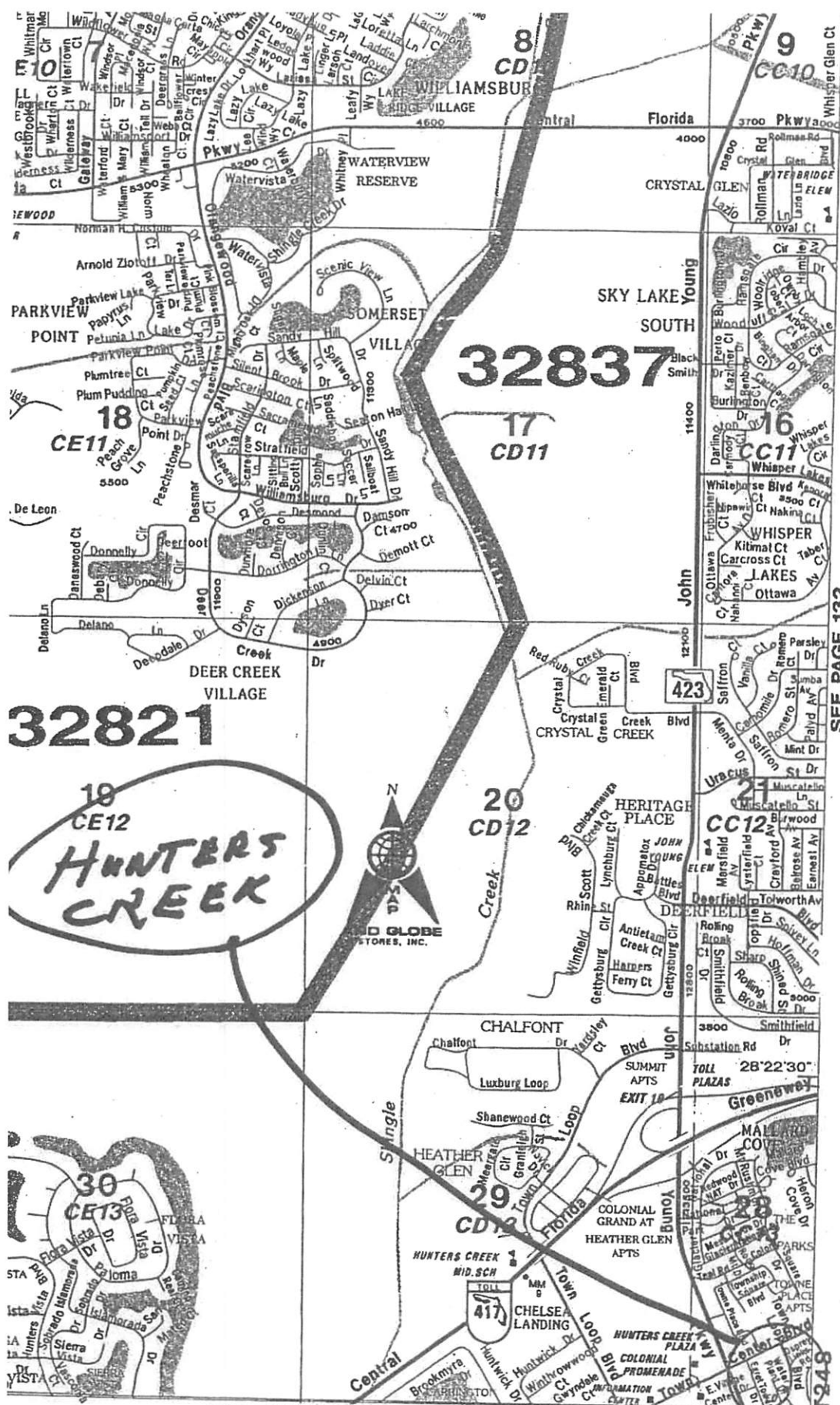
Acreage \ Square Feet: 2.74 Ac.

Legal Description:

LOT 14: OR 3814 / 295

Pb 27 / 120 (Including Tr 'D')

282429-2341-00-014

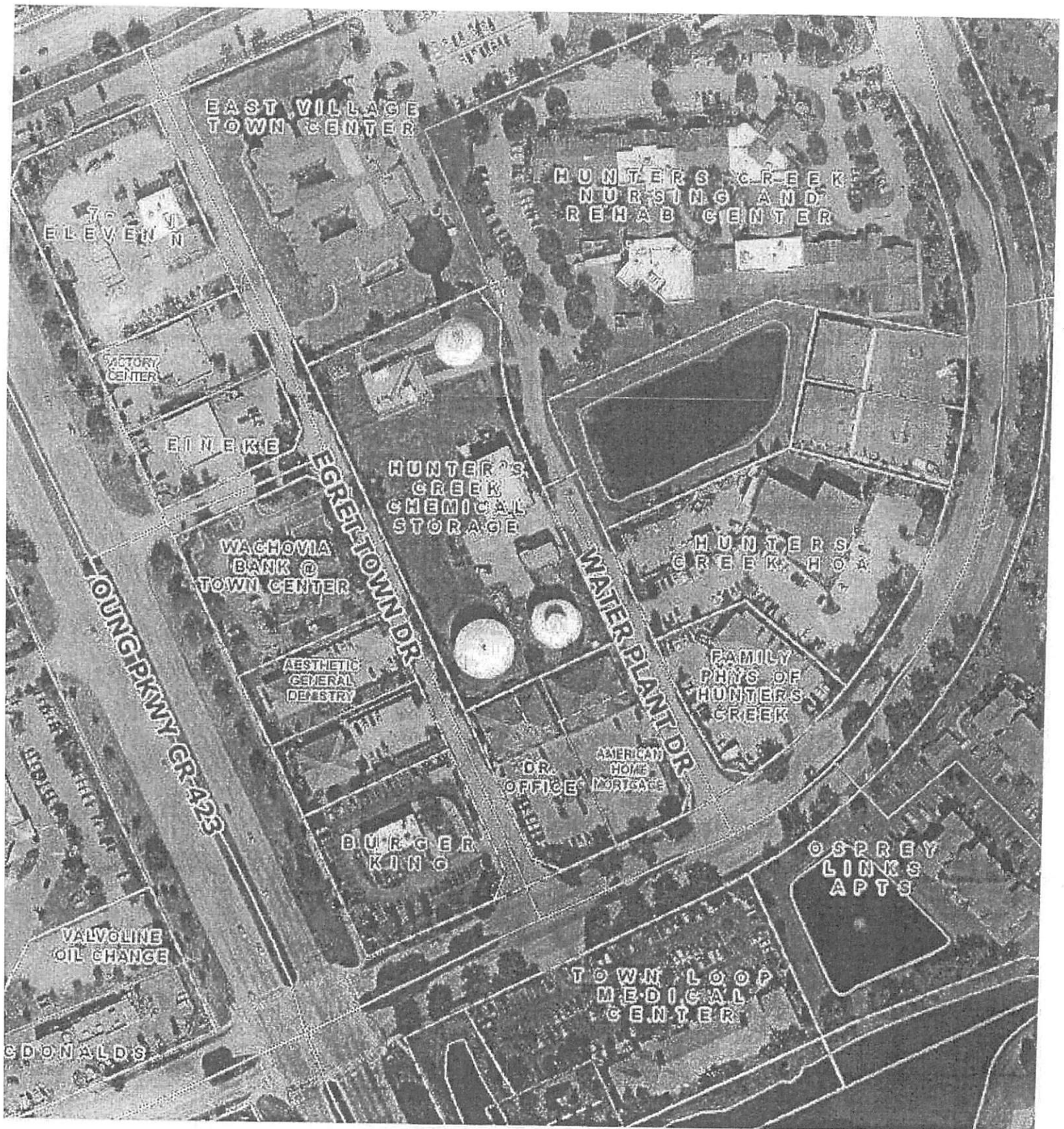


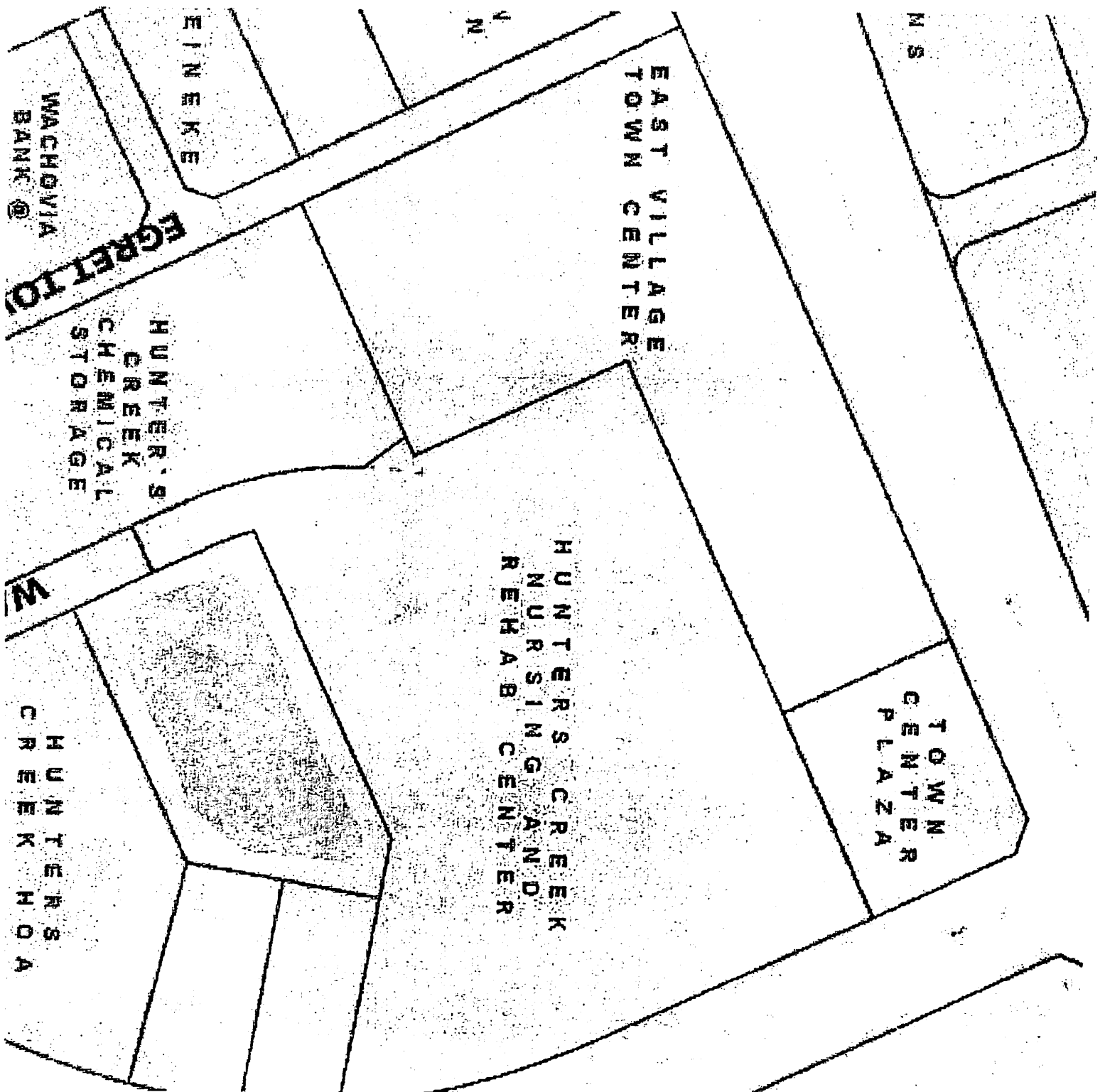
SEE PAGE 132

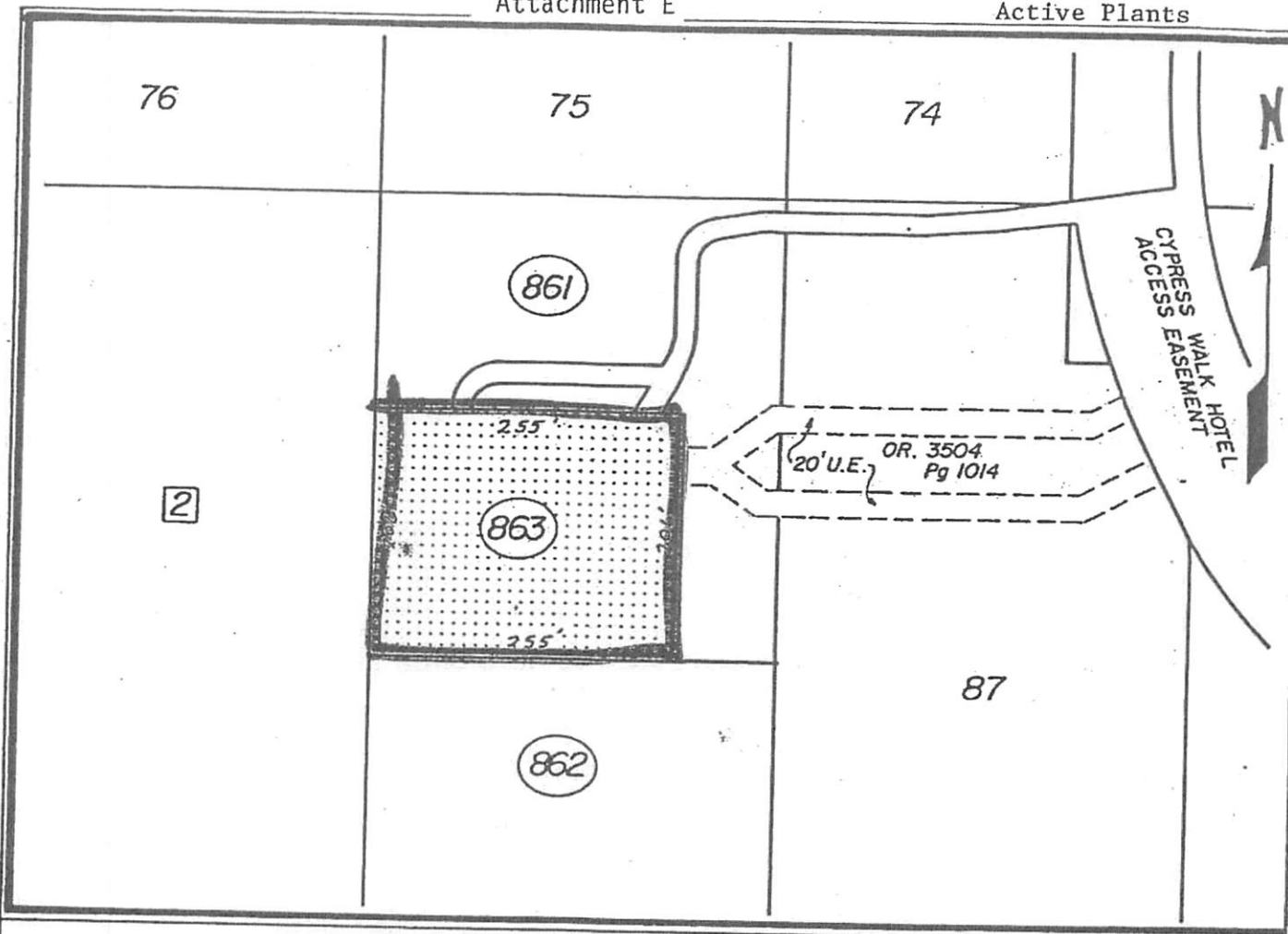
AC

SEE PAGE 150

© MAP AND GLOBE STORES, INC.







Complex Name: CYPRESS WALK **Complex Acct. #:** 5259-0000

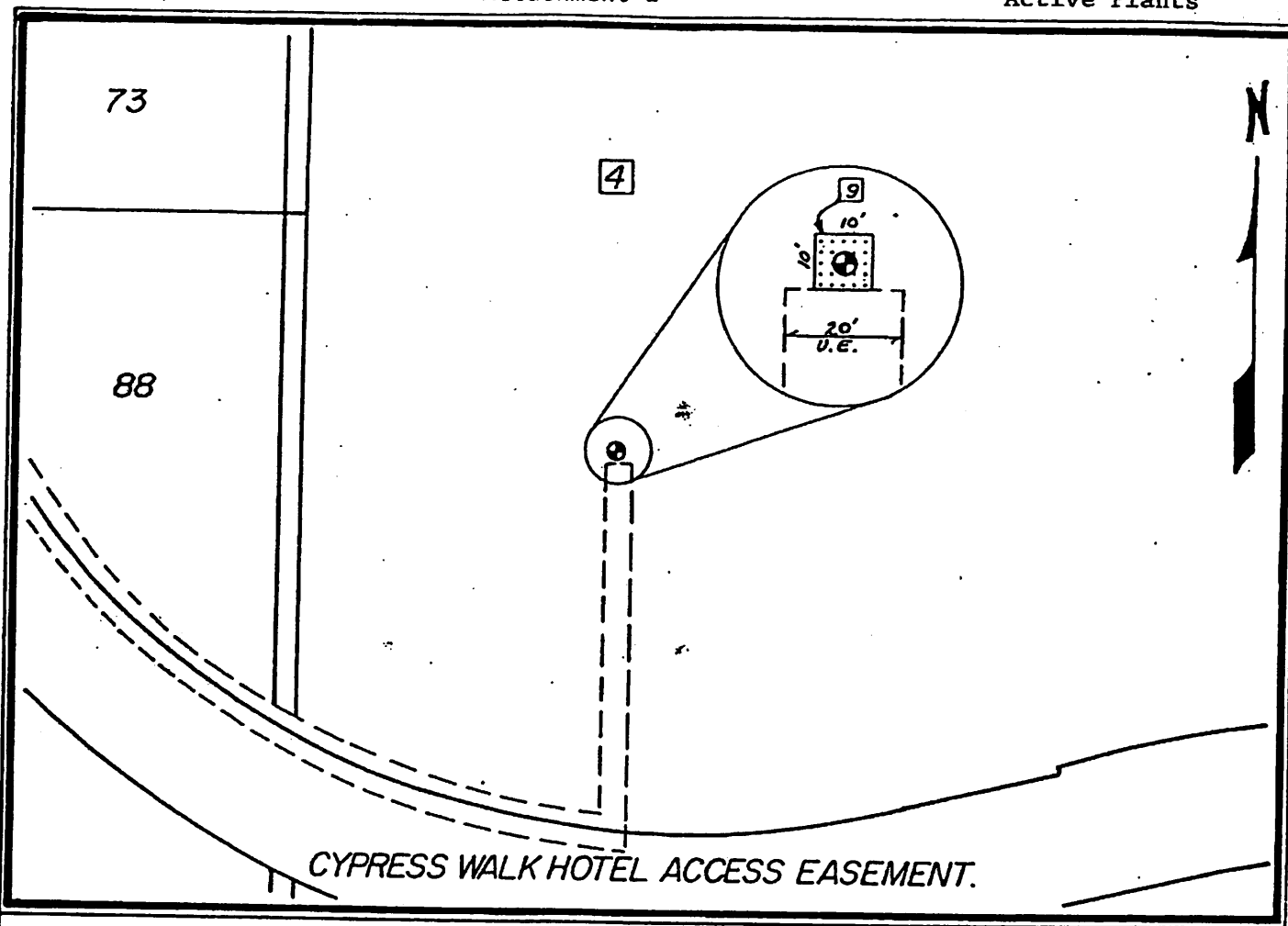
Street Address: S.R. 535 (½ MILE WEST OF GRAND CYPRESS HOTEL)

S-T-R-¼-Pg. #: 21-24-28 SW 753C **Current Status:** ACTIVE

Acreage \ Square Feet: 1.206 Ac. **ZIP CODE:** 32819

Legal Description:
 255' x 206'
 OR 3504 / 1022
 212428 5844 00863

NOTE: 1 Of 2 Pages



Complex Name: CYPRESS WALK **Complex Acct. #:** 5259-0000

Street Address: S.R. 535(½ MILE WEST OF GRAND CYPRESS HOTEL)

S-T-R-¼ -Pg. #: 21-24-28 SW 753C **Current Status:** ACTIVE

Acreage \ Square Feet: _____ **ZIP CODE:** 32819

Legal Description: THE FOLLOWING DIMENSION IS FOR THE WELL ONLY
WELL SITE: 10' x 10'

212428 0000 00009

Note: 2 of 2 Pages

Google Maps

5707 Sea Harbor Dr

Orangewood WSF



Google Maps

5707 Sea Harbor Dr

Orangewood WSF



Google Maps

5707 Sea Harbor Dr

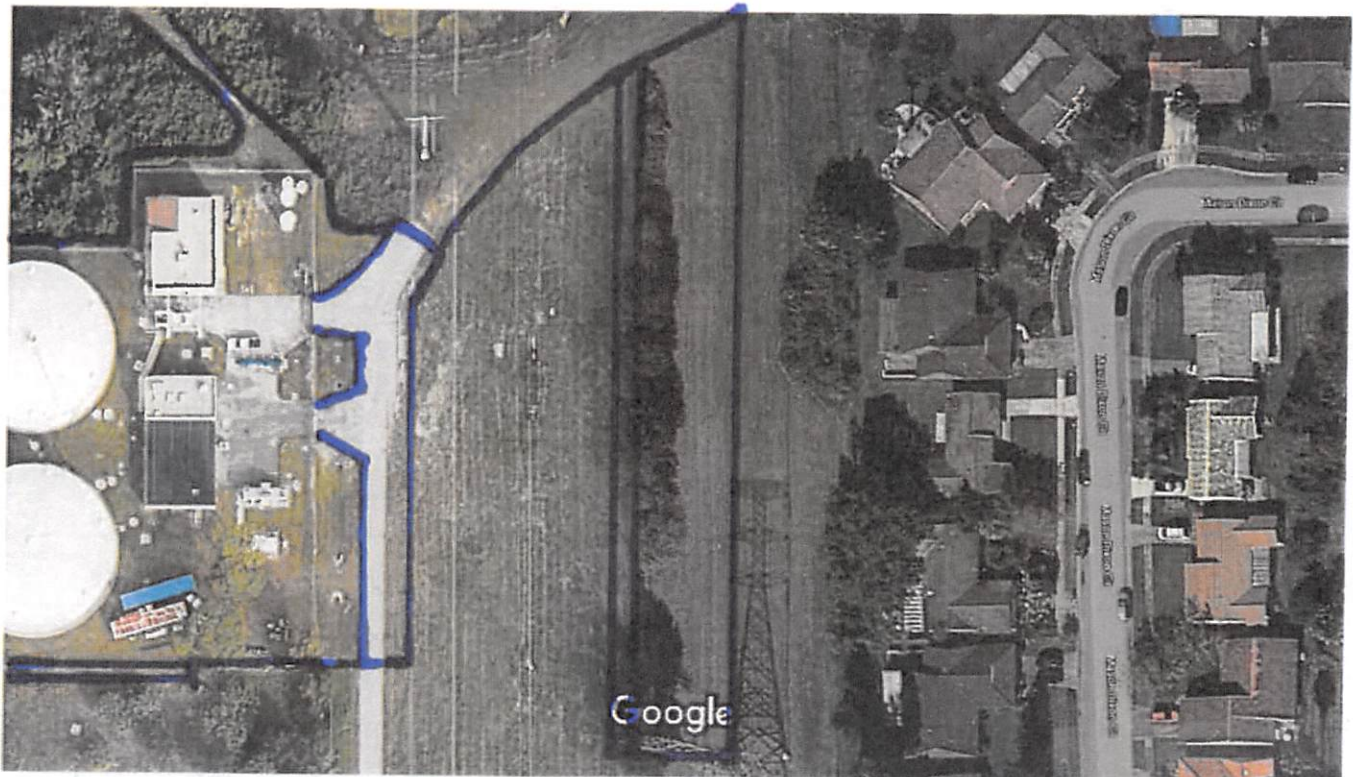
Orangewood WSF

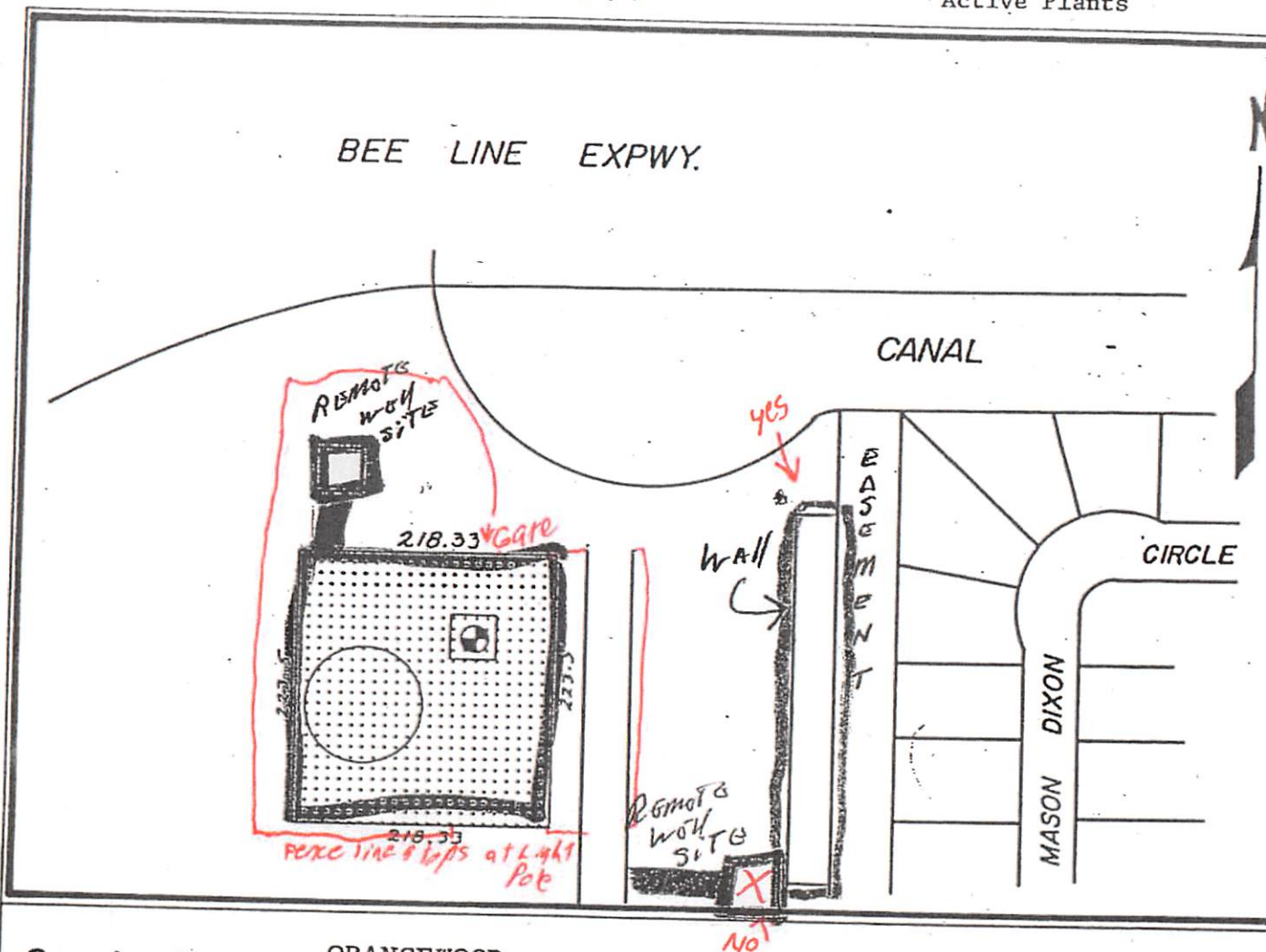


Google Maps

5707 Sea Harbor Dr

Orange WSF





Complex Name: ORANGEWOOD

Complex Acct. #: 5203-0000

Street Address: 5707 SEA HARBOR DRIVE

32821

S-T-R- $\frac{1}{4}$ -Pg. #: 07-24-29 NW 775B

Current Status: ACTIVE

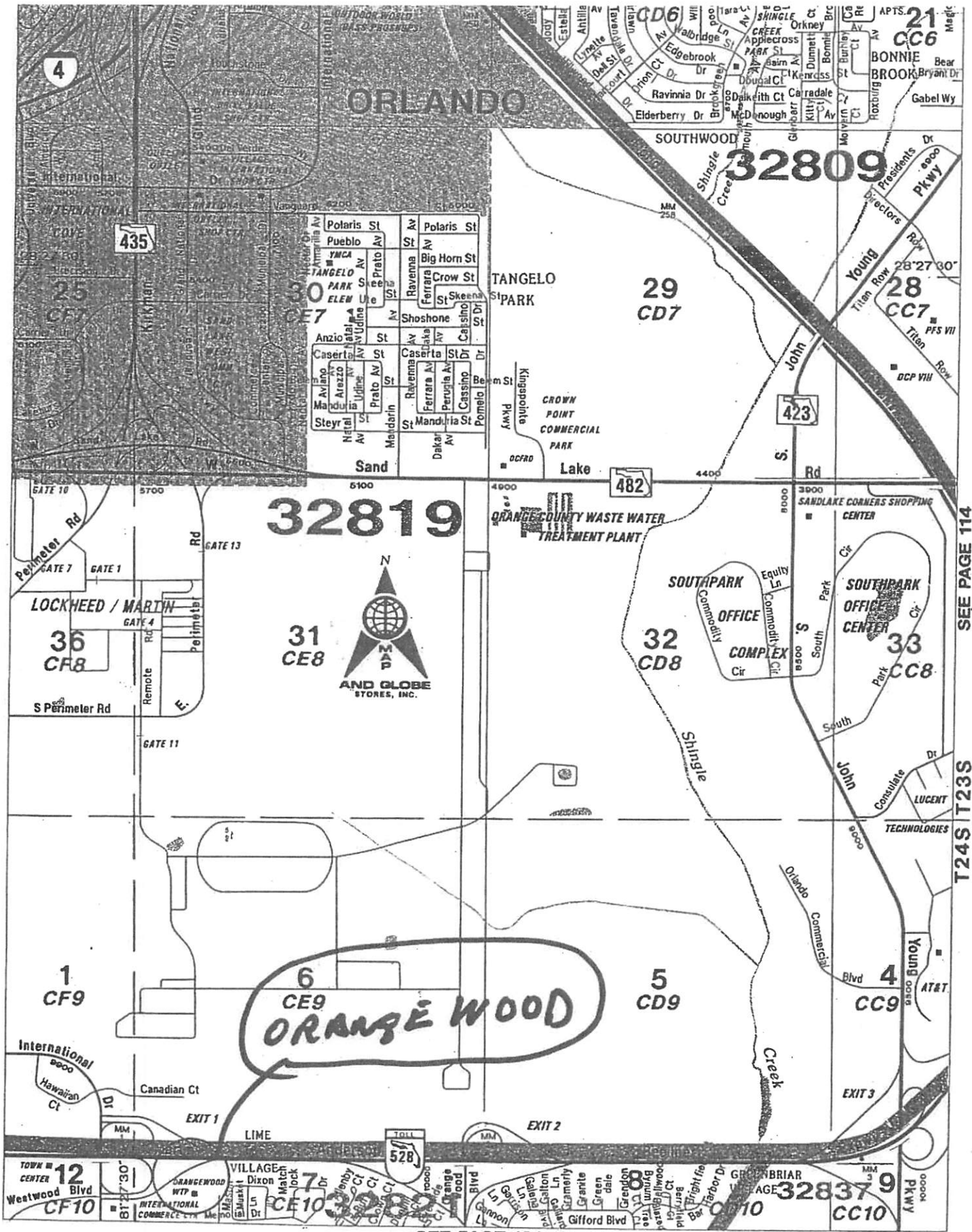
Acreage \ Square Feet: 1.120 Ac.

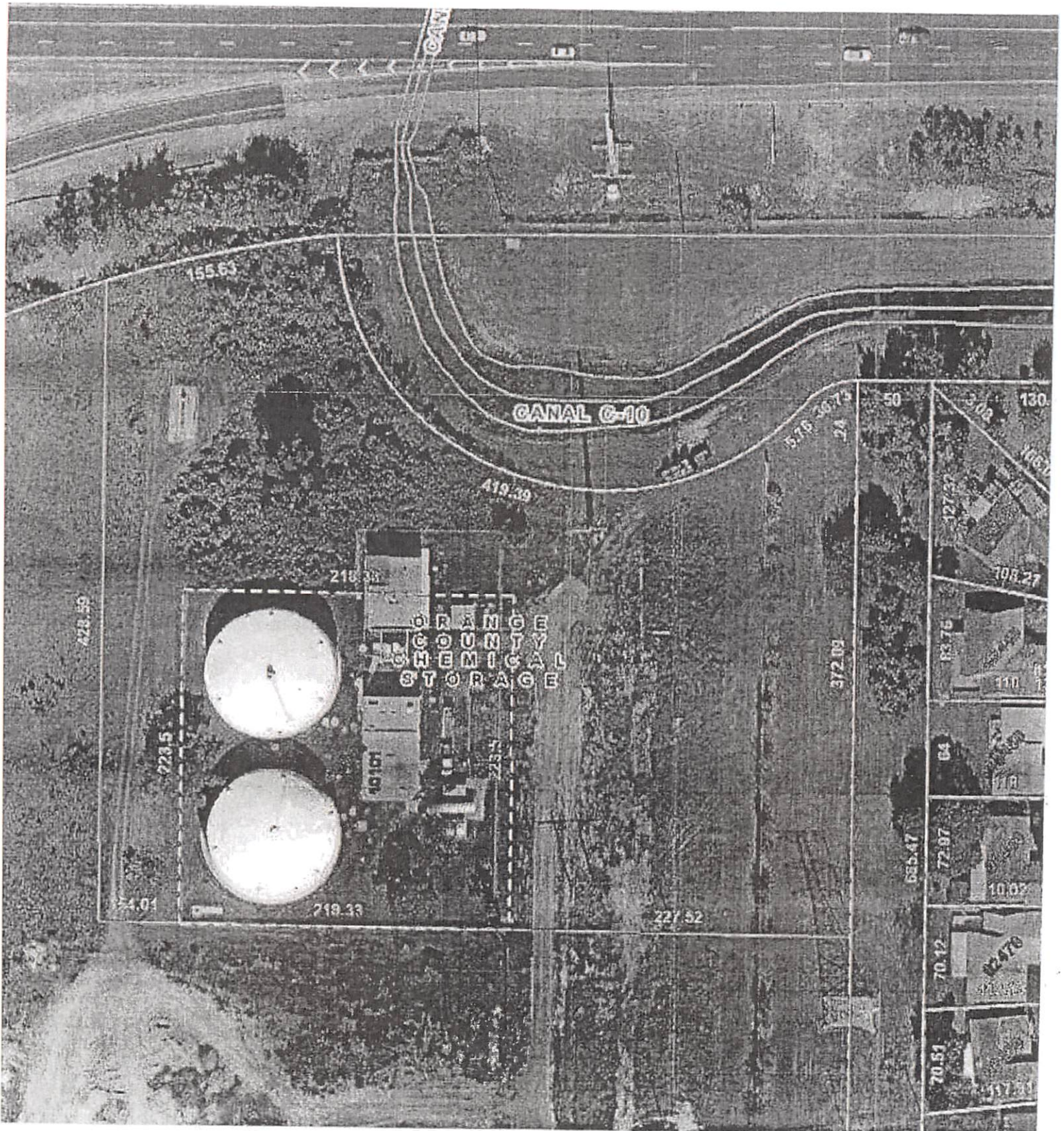
Legal Description:

218.33' x 223.5', OR 2753 / 173

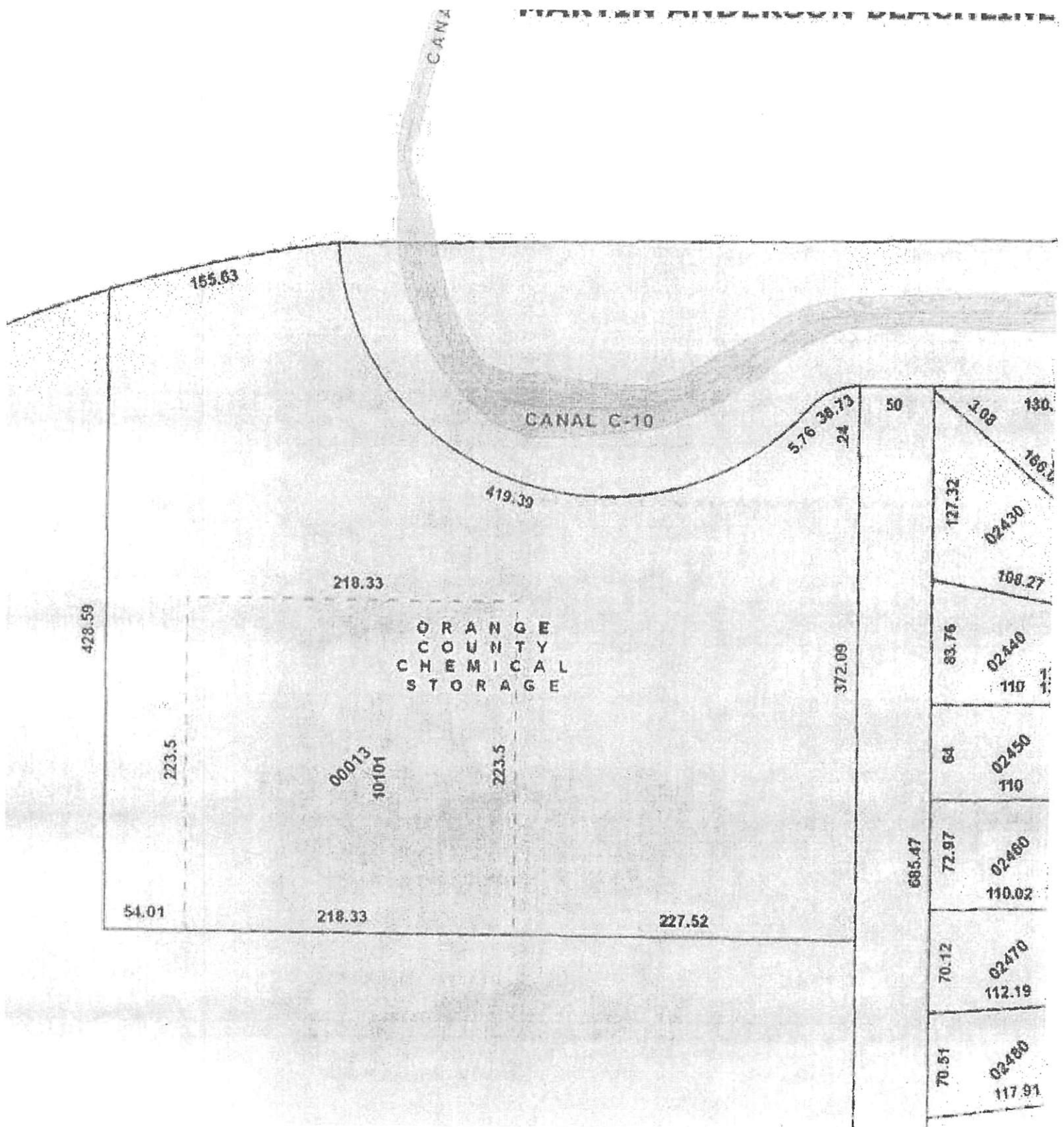
072429 5844 00013

WALL
one strip on front side and all
of easement.





↑ Easement must be included in bid



Google Maps 8943 Meadow Creek Dr
Vistana WSF



Google Maps 8943 Meadow Creek Dr
Vistana WSF



Google Maps

8943 Meadow Creek Dr

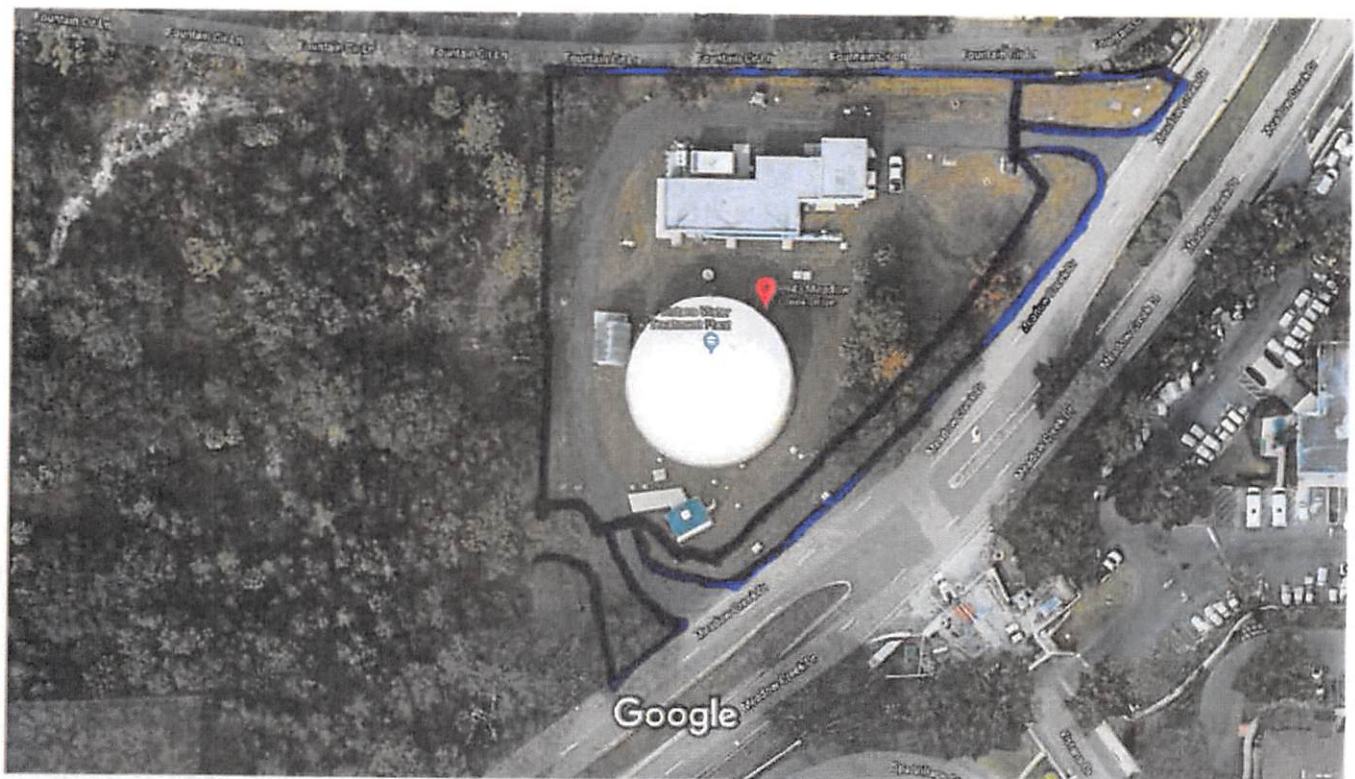
Vistana WSF



Google Maps

8943 Meadow Creek Dr

Vistana WSF



Google Maps

8943 Meadow Creek Dr

Vistana Well #1



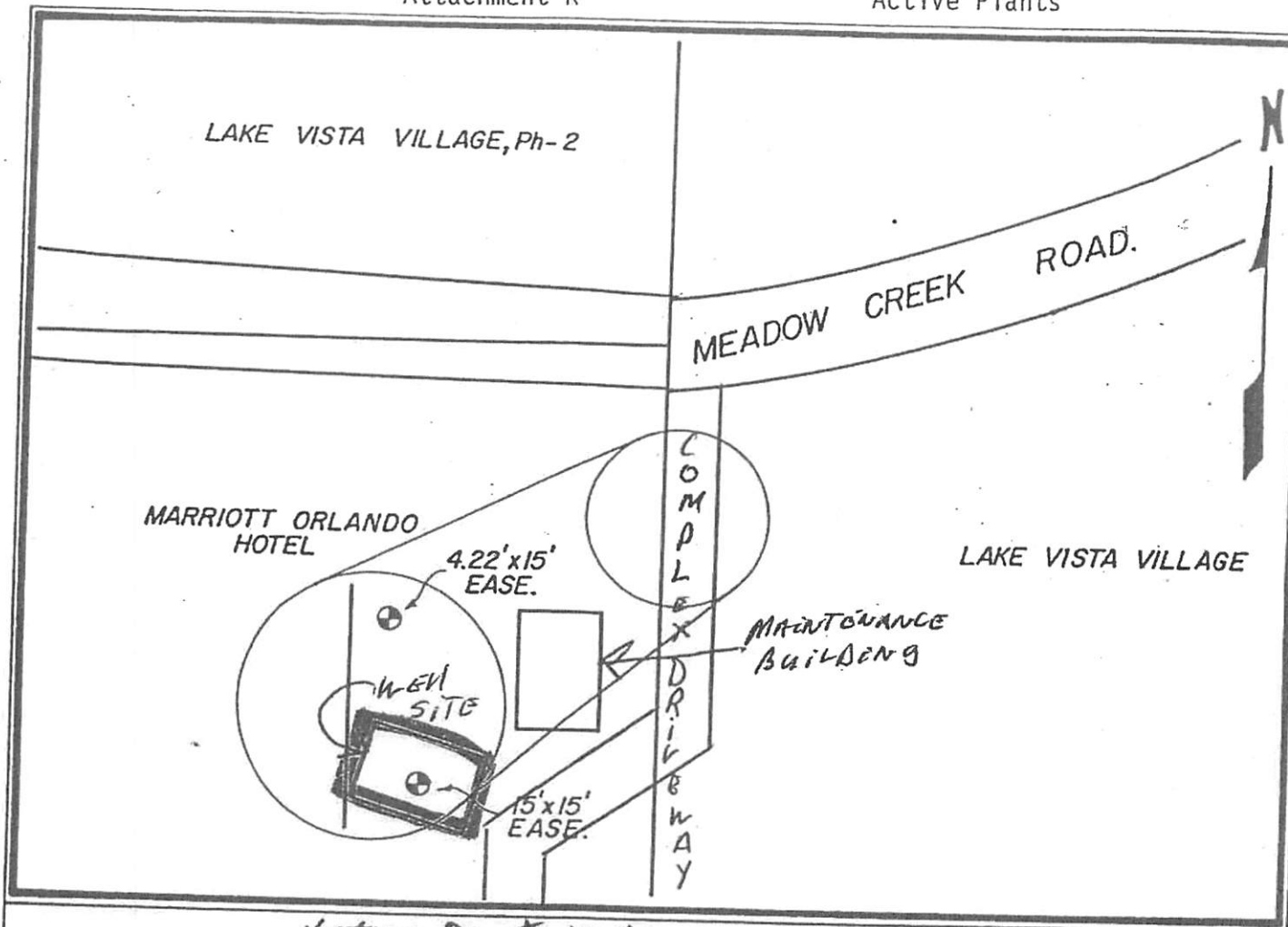
Google Maps

8943 Meadow Creek Dr

Vistana Well #3







Complex Name: Vistana Remote Wells
LAKE VISTA VILLAGE **Complex Acct. #:** 5265-0000

Street Address: 9100 MEADOW CREEK RD 32821

S-T-R- $\frac{1}{4}$ -Pg. #: 28-24-28 SE 760D **Current Status:** ACTIVE

Acreage \ Square Feet: S.S.I.P.

Legal Description:

COUNTY OWNS WELL SITES ONLY

4.22' x 15' & 15' x 15'

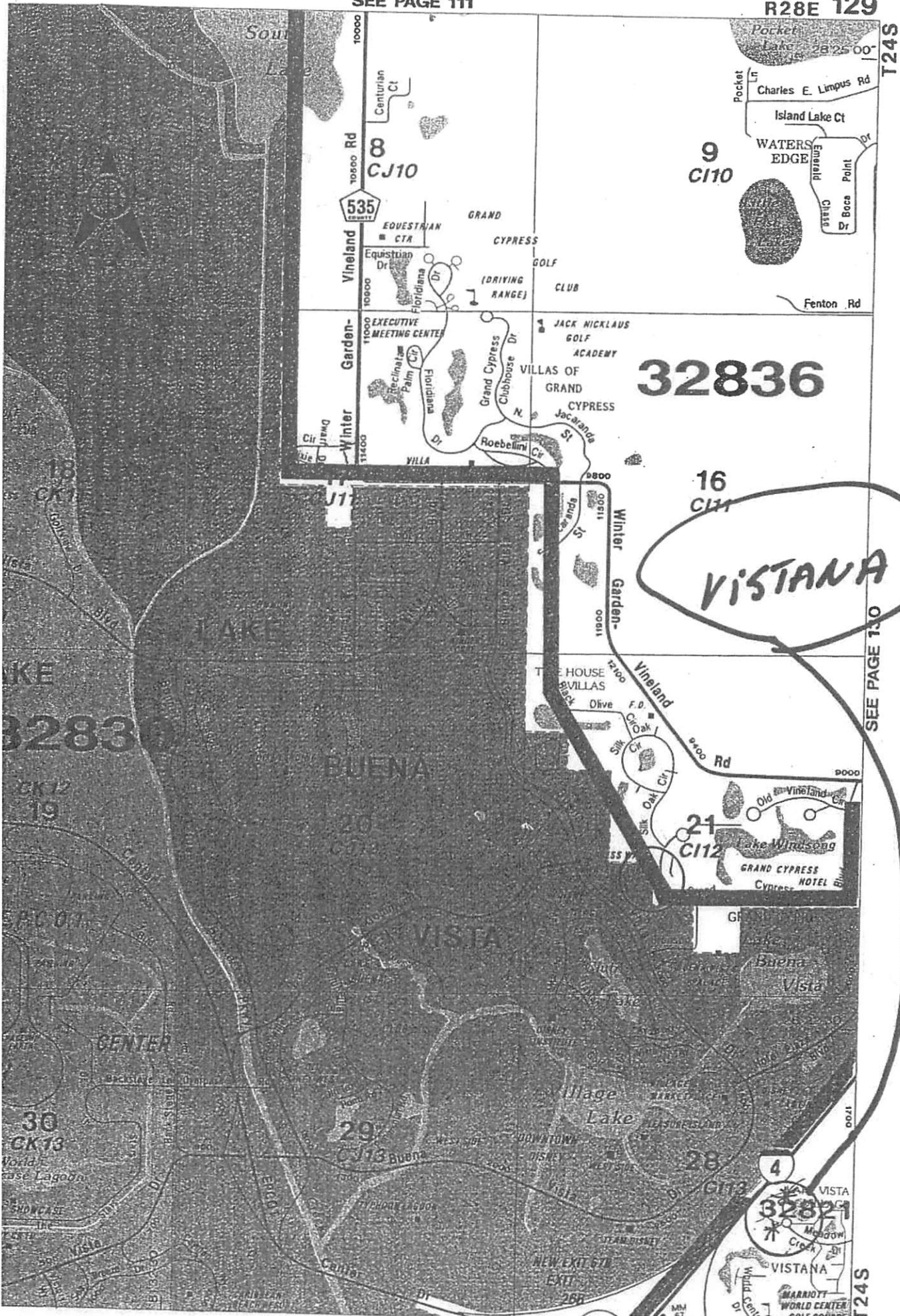
OR 3846 / 780

282428 0000 00018

SEE PAGE 111

R28E 129

T24S



32836

16
C11

VISTANA

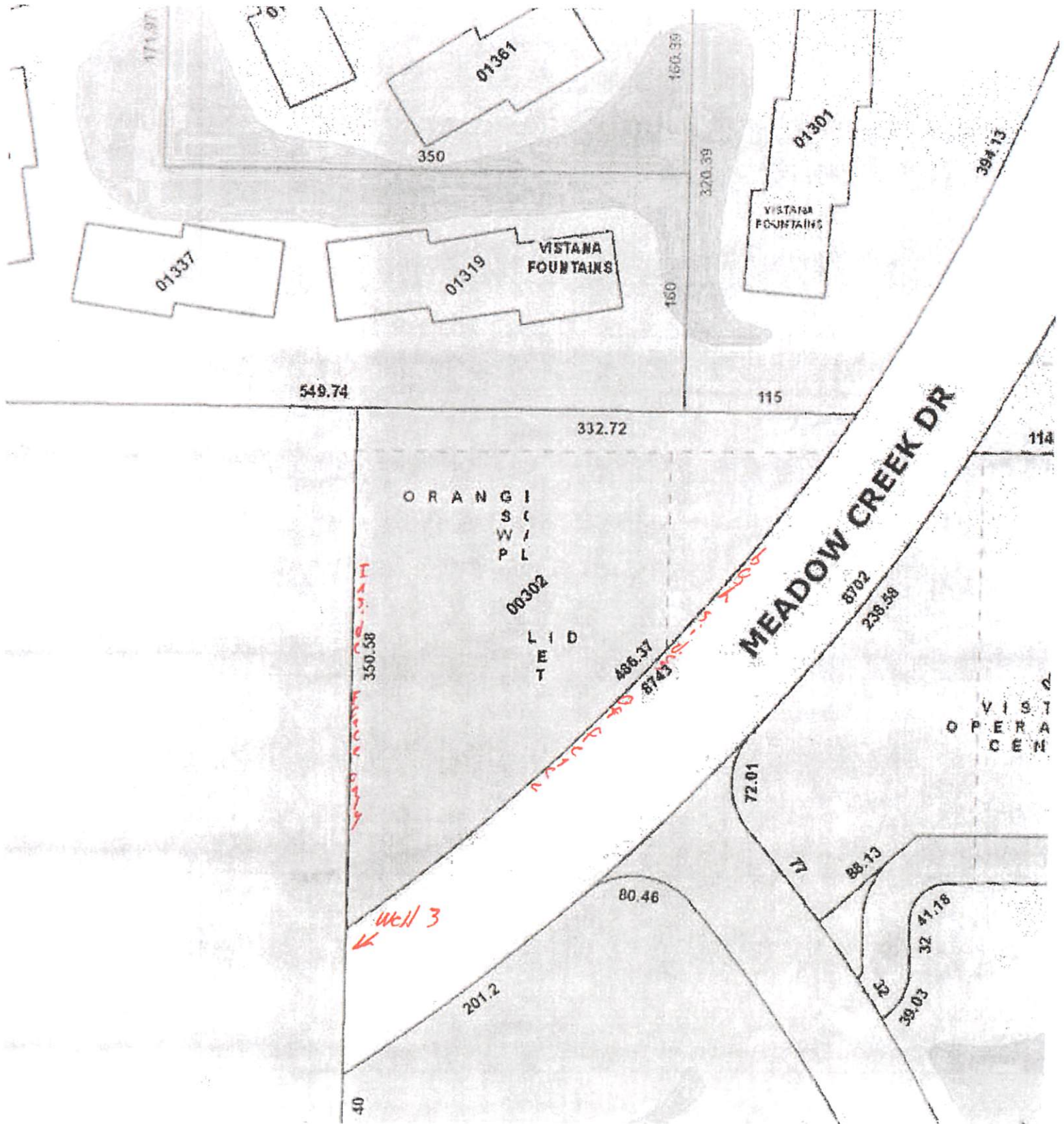
SEE PAGE 130

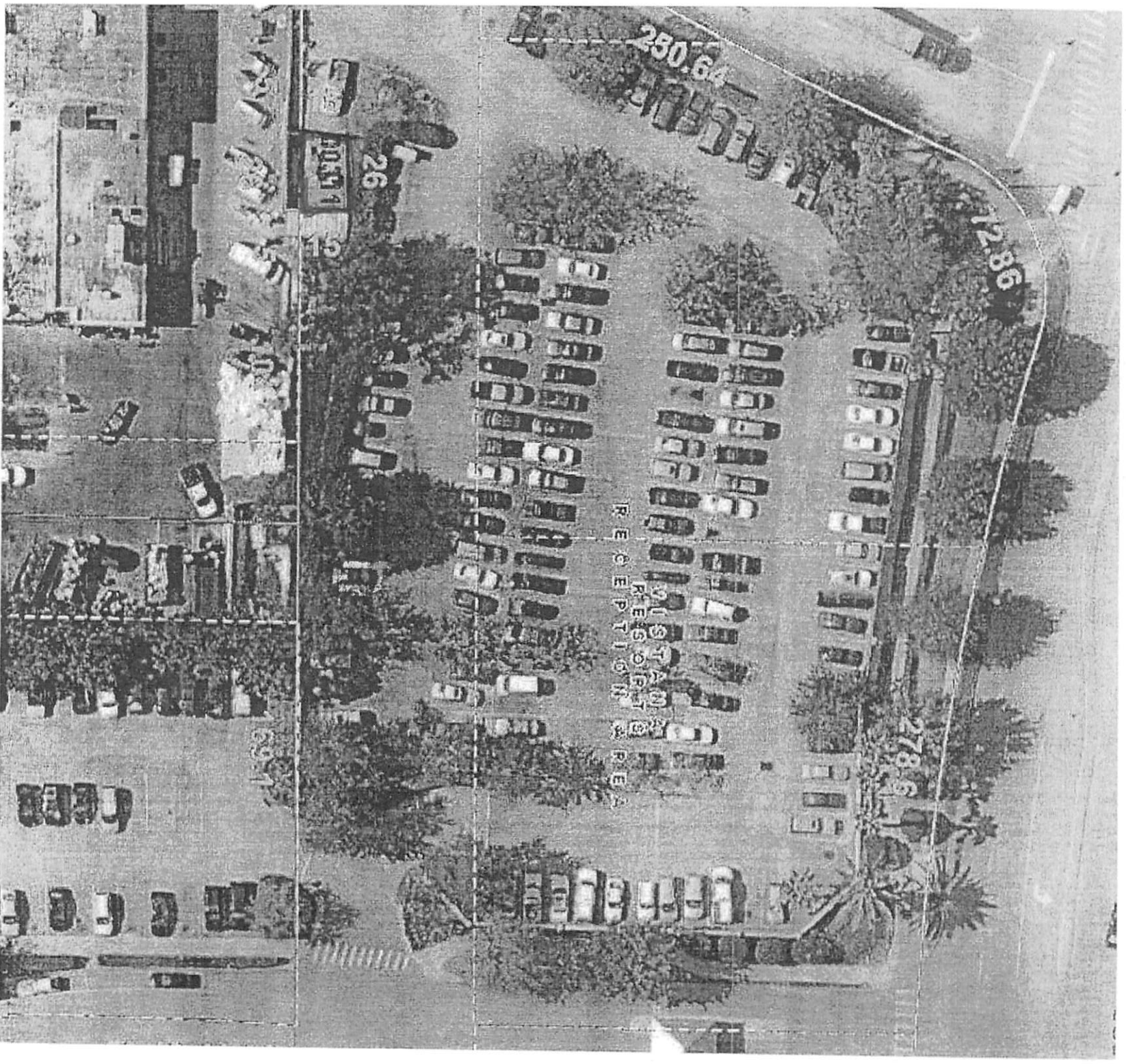
21
C12

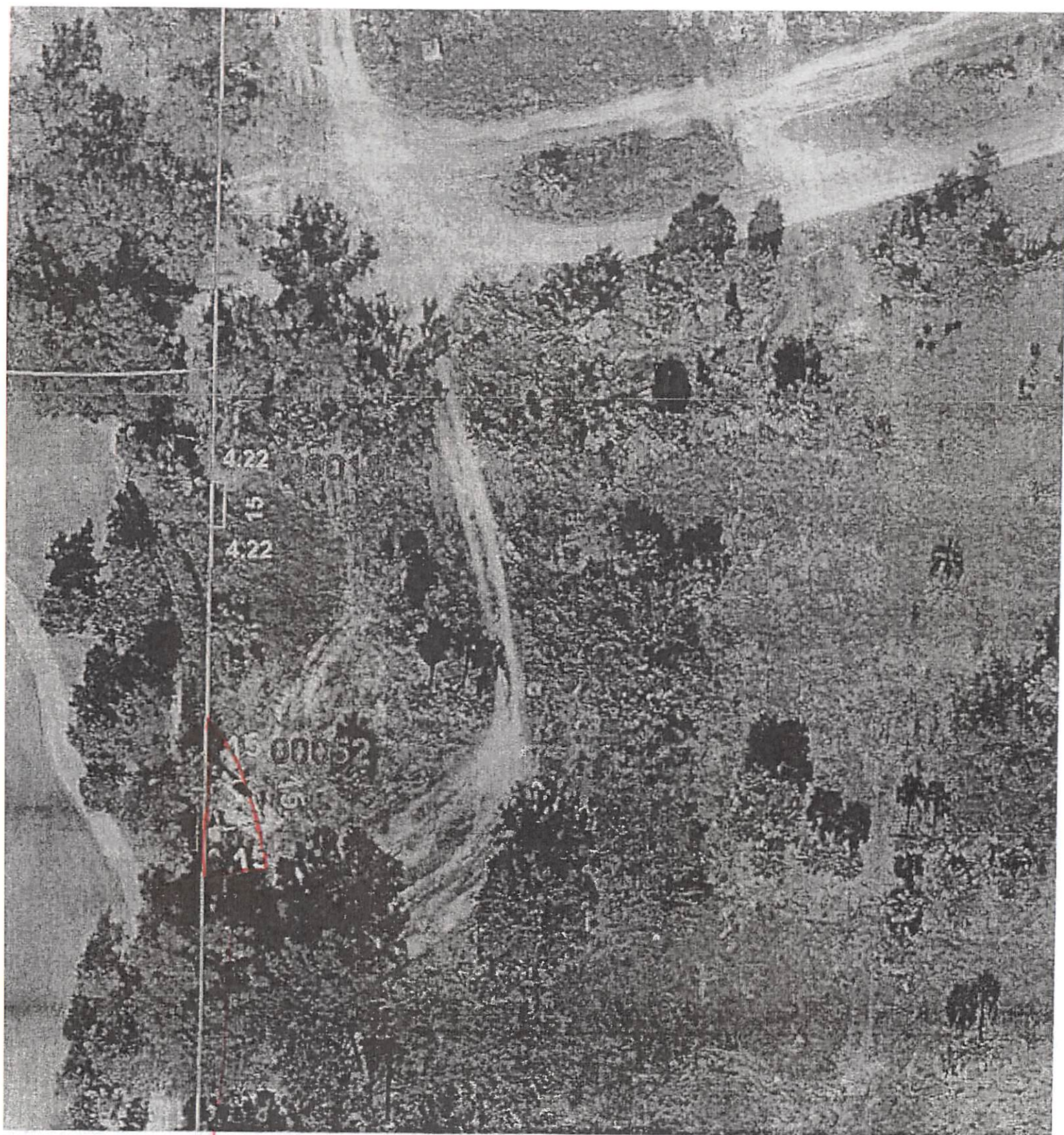
28
C113

32821

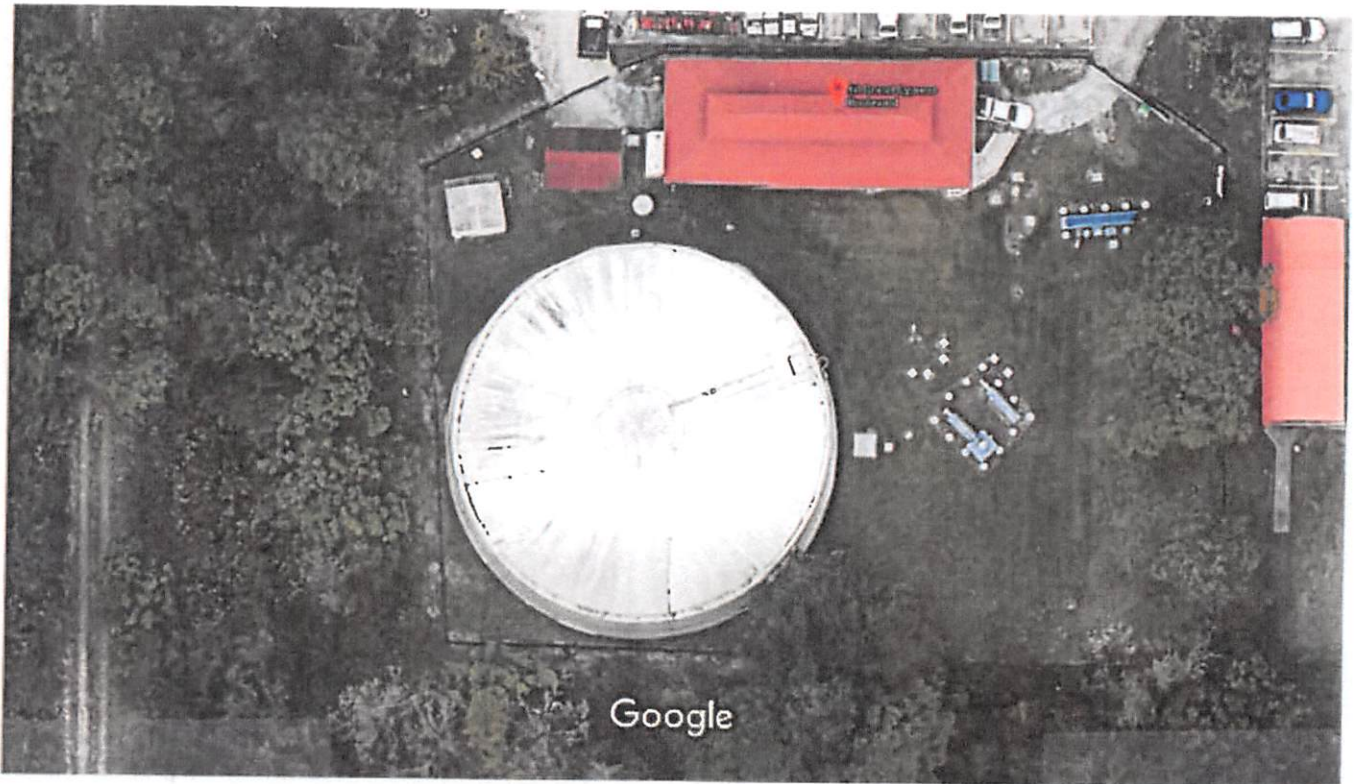
T24S



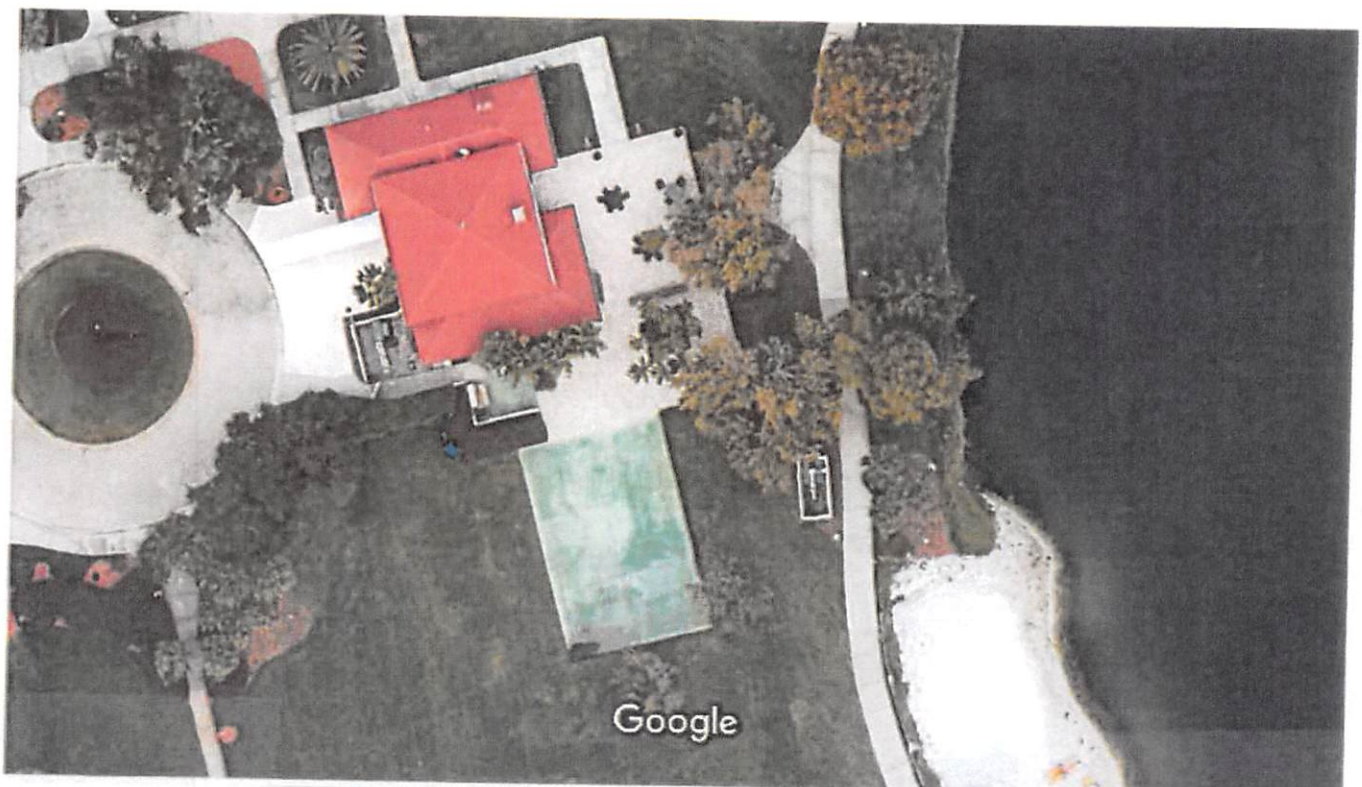


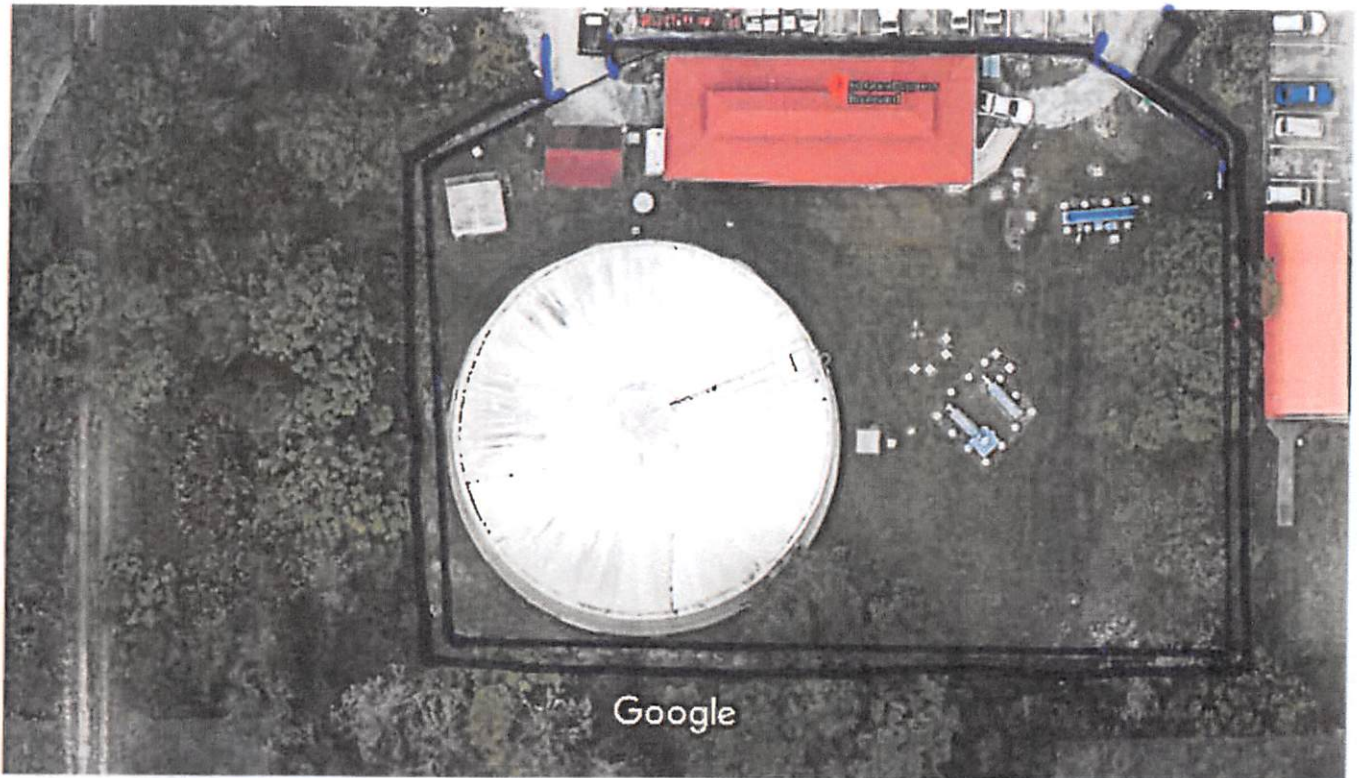


Well 3
maintain fence line



Map data ©2010 20 ft





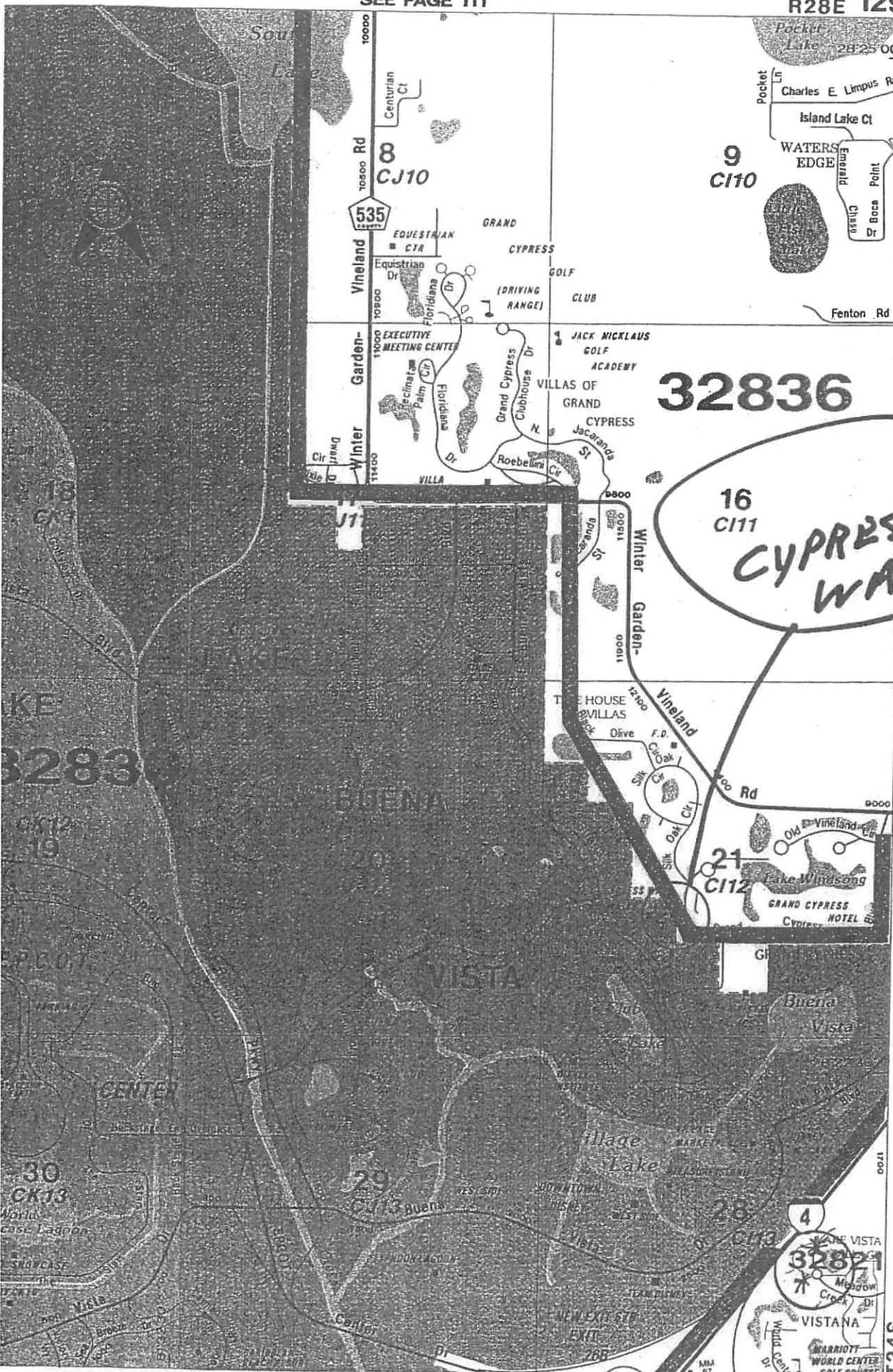
Map data ©2010 2011



SEE PAGE 111

R28E 129

T24S



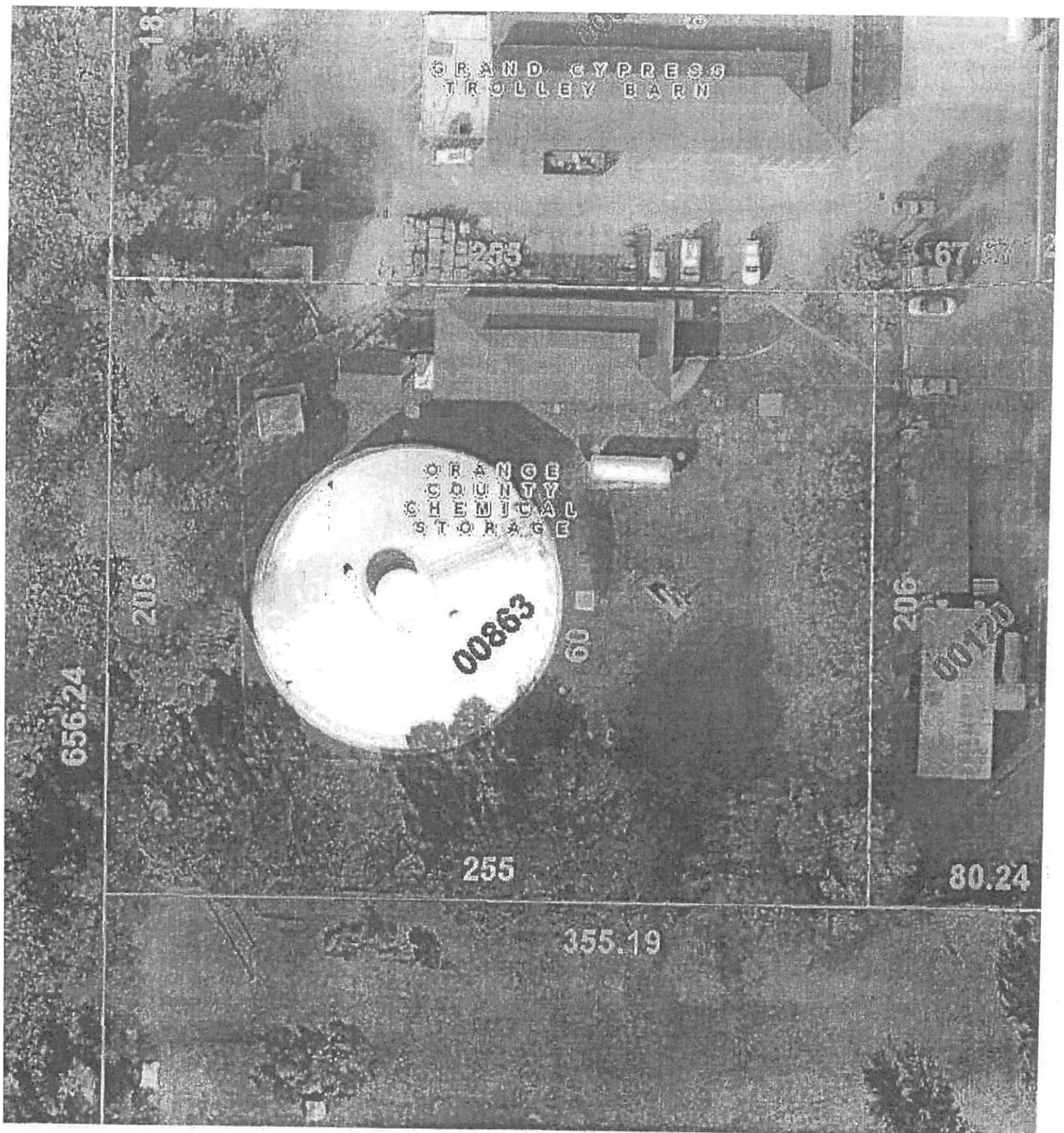
32836

16
C111
CYPRESS
WALK

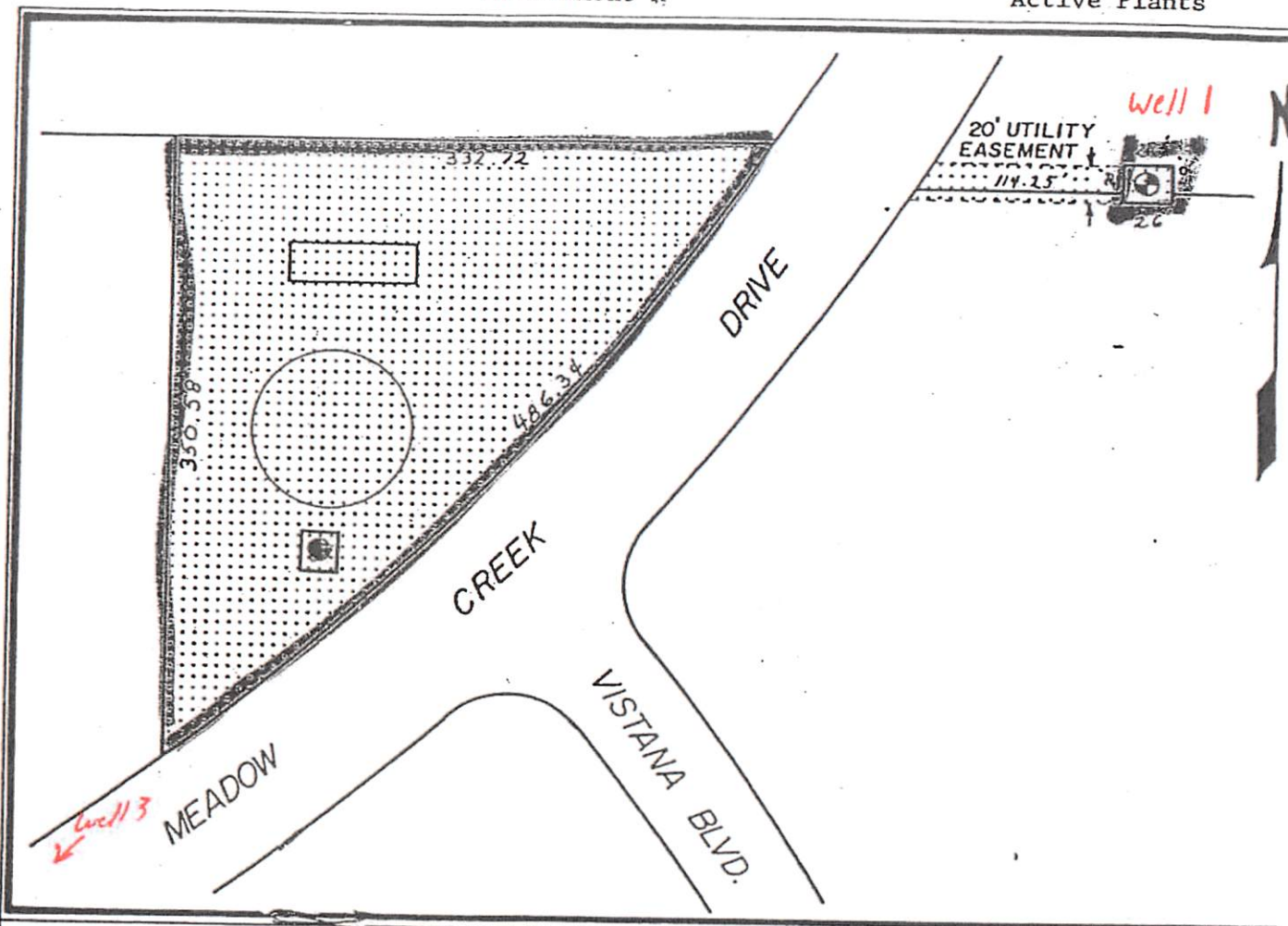
SEE PAGE 130

T24S

Handwritten notes and markings on the right margin, including a large 'M' and a signature-like mark.



1		GRAND CYPRESS TROLLEY BARN	
		255	67.67
656.24	206	ORANGE COUNTY CHEMICAL STORAGE	
		00863 60	206 00120
		255	80.1
		355.19	



Complex Name: VISTANA Complex Acct. #: 5206-0000

Street Address: 13200 VISTANA BLVD. 32821

S-T-R- $\frac{1}{4}$ -Pg. #: 27-24-28 SW 7590C Current Status: ACTIVE

Acreage \ Square Feet: 1.374 Ac.

Legal Description: 332.72' x 486.34' x 350.58'

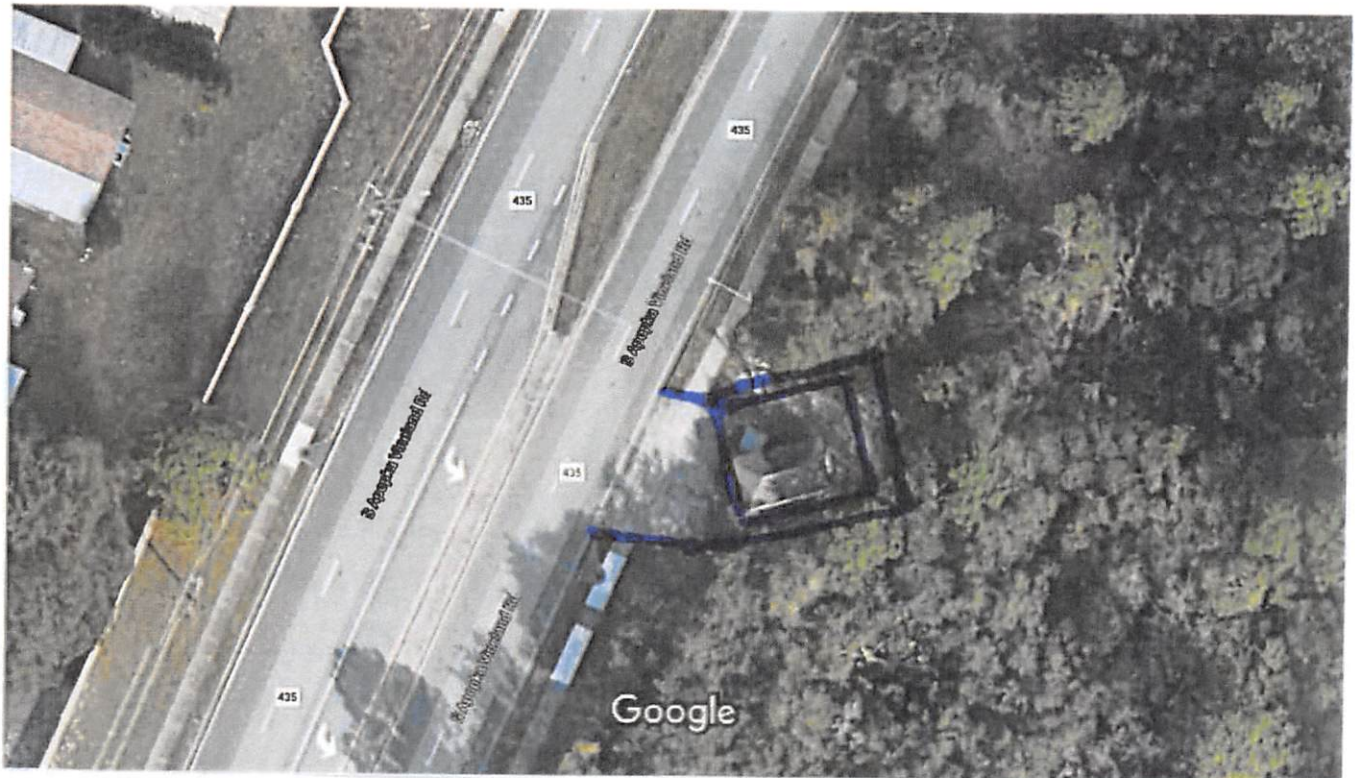
OR 2756 / 1181

272428 4336 00350

EASEMENT: 20' x 114.25' \pm

WELL SITE: 26' x 20'

24

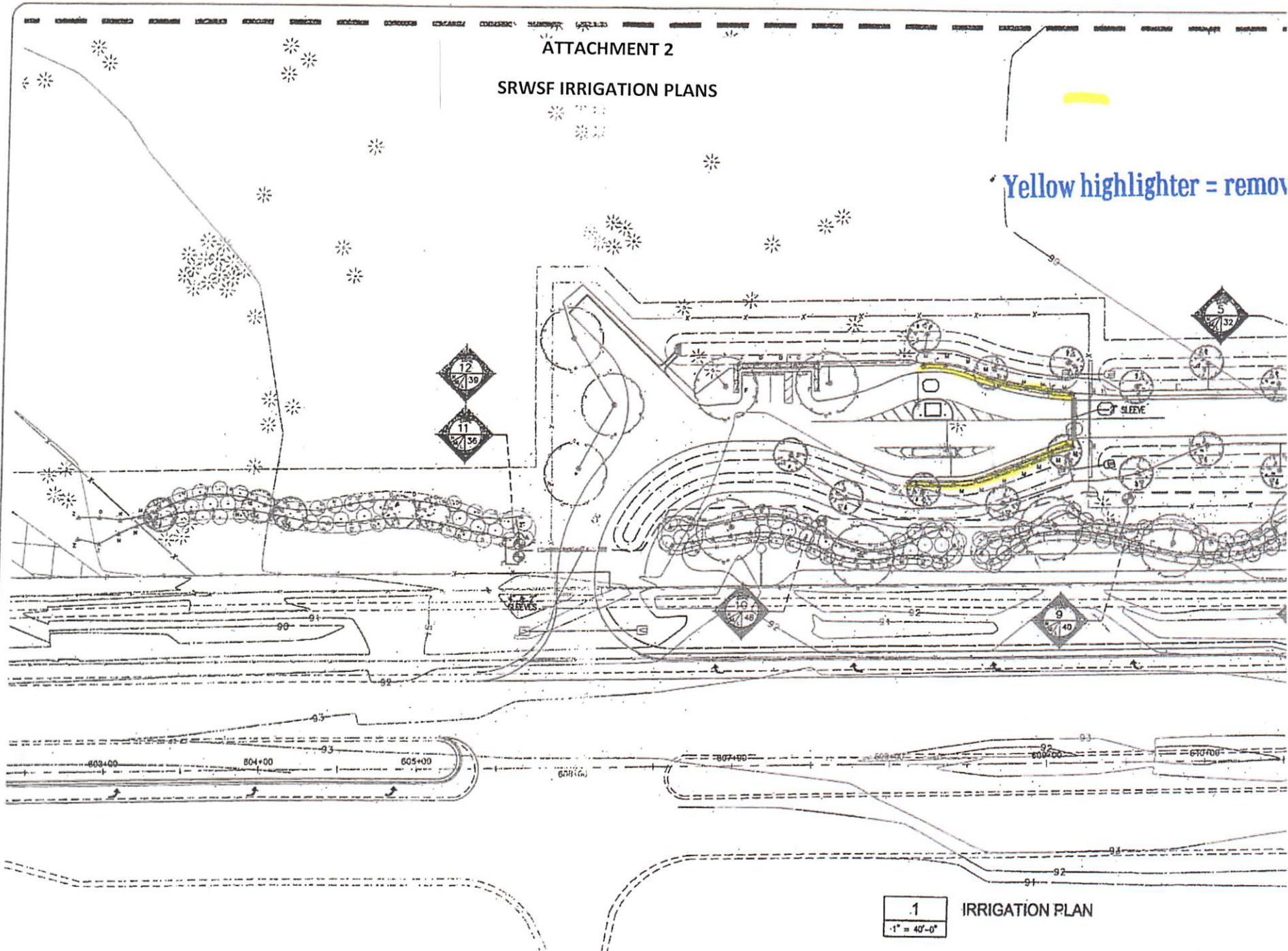


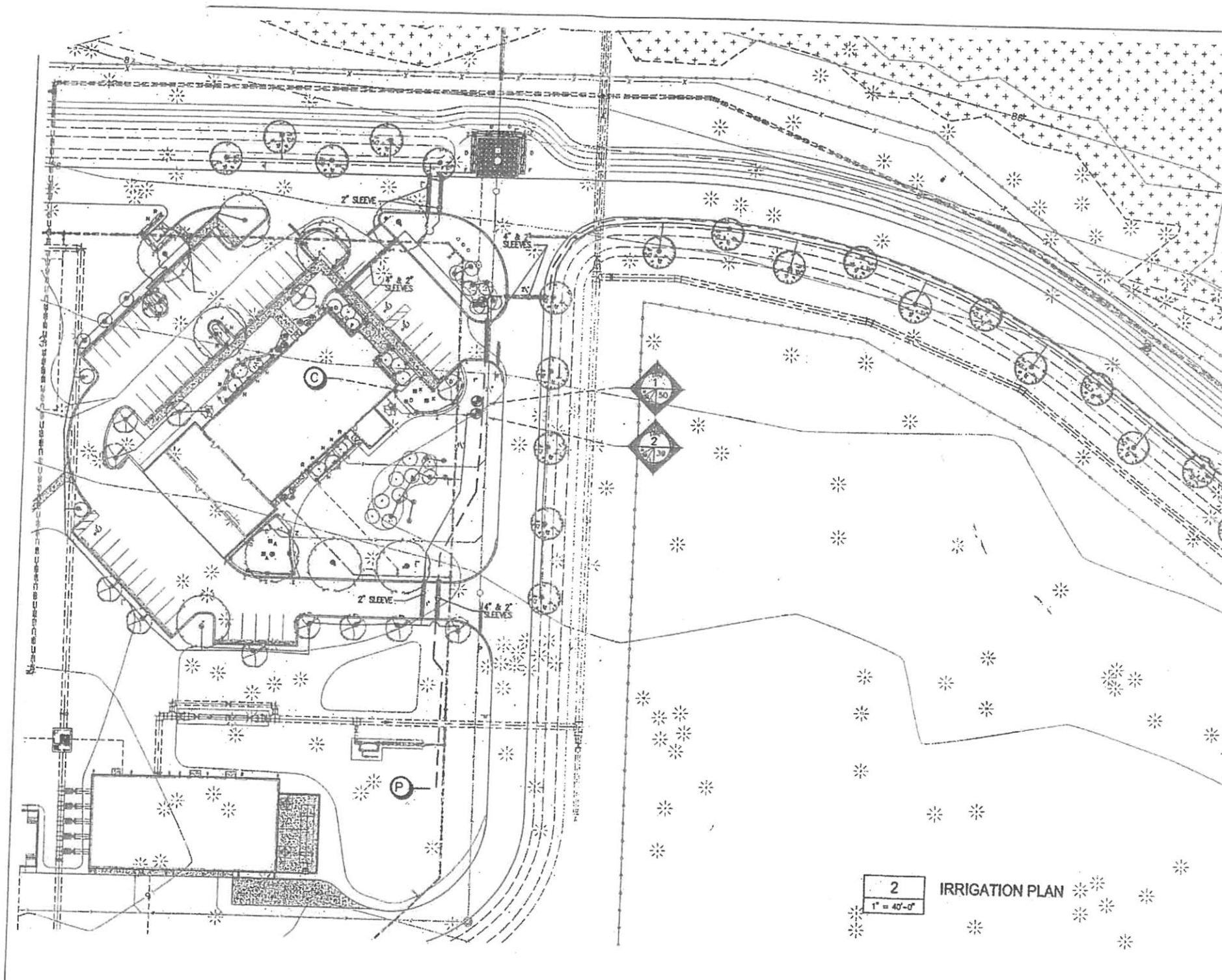
























ATTACHMENT 2
SRWSF IRRIGATION PLANS

Yellow highlighter = remove





	HUNTER INSTITUTIONAL SERIES 6" POP-UP
	HUNTER INSTITUTIONAL SERIES 12" POP-UP
	HUNTER SHRUB SPRAY ON RISER WITH PRESSURE REGULATOR
	HUNTER PCB BUBBLER ON FLEX PIPE (.5 GPM TWO PER TREE)
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	
	

A	1800-15F	3.7	15'	FULL	ZONE NUMBER
B <td>1800-15IQ <td>2.8 <td>15'</td> <td>THREE QTR</td> <td></td> </td></td>	1800-15IQ <td>2.8 <td>15'</td> <td>THREE QTR</td> <td></td> </td>	2.8 <td>15'</td> <td>THREE QTR</td> <td></td>	15'	THREE QTR	
C <td>1800-15H <td>2.5 <td>15'</td> <td>TWO THIRD</td> <td></td> </td></td>	1800-15H <td>2.5 <td>15'</td> <td>TWO THIRD</td> <td></td> </td>	2.5 <td>15'</td> <td>TWO THIRD</td> <td></td>	15'	TWO THIRD	
D <td>1800-15T <td>1.9 <td>15'</td> <td>HALF</td> <td></td> </td></td>	1800-15T <td>1.9 <td>15'</td> <td>HALF</td> <td></td> </td>	1.9 <td>15'</td> <td>HALF</td> <td></td>	15'	HALF	
E <td>1800-15Q <td>1.2 <td>15'</td> <td>ONE THIRD</td> <td></td> </td></td>	1800-15Q <td>1.2 <td>15'</td> <td>ONE THIRD</td> <td></td> </td>	1.2 <td>15'</td> <td>ONE THIRD</td> <td></td>	15'	ONE THIRD	
F <td>1800-15S <td>1.0 <td>15'</td> <td>QUARTER</td> <td></td> </td></td>	1800-15S <td>1.0 <td>15'</td> <td>QUARTER</td> <td></td> </td>	1.0 <td>15'</td> <td>QUARTER</td> <td></td>	15'	QUARTER	
G <td>1800-15ST <td>(6)</td> <td>4" X 15'</td> <td>END STRIP</td> <td></td> </td>	1800-15ST <td>(6)</td> <td>4" X 15'</td> <td>END STRIP</td> <td></td>	(6)	4" X 15'	END STRIP	
H <td>1800-15ST <td>1.2</td> <td>4" X 30'</td> <td>CENTER STRIP</td> <td></td> </td>	1800-15ST <td>1.2</td> <td>4" X 30'</td> <td>CENTER STRIP</td> <td></td>	1.2	4" X 30'	CENTER STRIP	
I <td>1800-15AN <td>1.45</td> <td>10'</td> <td>10' END ADJST.</td> <td></td> </td>	1800-15AN <td>1.45</td> <td>10'</td> <td>10' END ADJST.</td> <td></td>	1.45	10'	10' END ADJST.	
J <td>1800-15S <td>1.8</td> <td>10'</td> <td>LOW FLAT</td> <td></td> </td>	1800-15S <td>1.8</td> <td>10'</td> <td>LOW FLAT</td> <td></td>	1.8	10'	LOW FLAT	
K <td>1800-15SI <td>1.2</td> <td>9" X 18'</td> <td>SIDE STRIP</td> <td></td> </td>	1800-15SI <td>1.2</td> <td>9" X 18'</td> <td>SIDE STRIP</td> <td></td>	1.2	9" X 18'	SIDE STRIP	
L <td>1800-15SI <td>1.2</td> <td>4" X 30'</td> <td>SIDE STRIP</td> <td></td> </td>	1800-15SI <td>1.2</td> <td>4" X 30'</td> <td>SIDE STRIP</td> <td></td>	1.2	4" X 30'	SIDE STRIP	
M <td>1800-15T <td>1.2</td> <td>10'</td> <td>END CHARGE</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>END CHARGE</td> <td></td>	1.2	10'	END CHARGE	
N <td>1800-15T <td>1.2</td> <td>10'</td> <td>LOW ONE THIRD</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>LOW ONE THIRD</td> <td></td>	1.2	10'	LOW ONE THIRD	
P <td>1800-15Q <td>1.2</td> <td>10'</td> <td>LOW QUARTER</td> <td></td> </td>	1800-15Q <td>1.2</td> <td>10'</td> <td>LOW QUARTER</td> <td></td>	1.2	10'	LOW QUARTER	
S <td>1800-15H <td>1.9</td> <td>5'</td> <td>FLAT HALF</td> <td></td> </td>	1800-15H <td>1.9</td> <td>5'</td> <td>FLAT HALF</td> <td></td>	1.9	5'	FLAT HALF	
T <td>1800-15H <td>1.9</td> <td>5'</td> <td>LOW HALF</td> <td></td> </td>	1800-15H <td>1.9</td> <td>5'</td> <td>LOW HALF</td> <td></td>	1.9	5'	LOW HALF	
U <td>1800-15T <td>1.2</td> <td>10'</td> <td>FLAT QUARTER</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>FLAT QUARTER</td> <td></td>	1.2	10'	FLAT QUARTER	
V <td>1800-15T <td>1.2</td> <td>10'</td> <td>FLAT THREE QTR</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>FLAT THREE QTR</td> <td></td>	1.2	10'	FLAT THREE QTR	
W <td>1800-15T <td>1.2</td> <td>10'</td> <td>3" FULL GORBLER</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>3" FULL GORBLER</td> <td></td>	1.2	10'	3" FULL GORBLER	
X <td>1800-15T <td>1.2</td> <td>10'</td> <td>2" FULL GORBLER</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>2" FULL GORBLER</td> <td></td>	1.2	10'	2" FULL GORBLER	
Y <td>1800-15T <td>1.2</td> <td>10'</td> <td>3" HALF GORBLER</td> <td></td> </td>	1800-15T <td>1.2</td> <td>10'</td> <td>3" HALF GORBLER</td> <td></td>	1.2	10'	3" HALF GORBLER	
Z <td>1800-15VAN</td> <td>VARIES</td> <td>8'</td> <td>ADJUSTABLE</td> <td></td>	1800-15VAN	VARIES	8'	ADJUSTABLE	

Diagram illustrating the zone numbering system, showing a diamond shape divided into four quadrants, each labeled 1/4, and a central point labeled 1. The diagram is labeled 'ZONE NUMBER'.

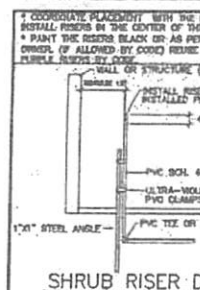
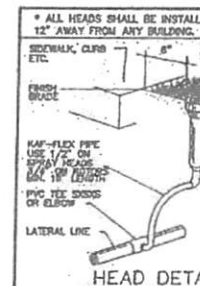
Diagram illustrating the water use measurement system, showing a diamond shape divided into four quadrants, each labeled 1/4, and a central point labeled 1. The diagram is labeled 'GALLONS PER MINUTE WATER USE'.

Diagram illustrating the water use measurement system, showing a diamond shape divided into four quadrants, each labeled 1/4, and a central point labeled 1. The diagram is labeled 'H=HIGH ST. ADJUSTABLE SCD'.

Diagram illustrating the water use measurement system, showing a diamond shape divided into four quadrants, each labeled 1/4, and a central point labeled 1. The diagram is labeled 'M=MEDIUM MATERIAL'.

Diagram illustrating the water use measurement system, showing a diamond shape divided into four quadrants, each labeled 1/4, and a central point labeled 1. The diagram is labeled 'L=LOW NATURAL PLANTS'.

- 1) REFER TO THE LANDSCAPE PLANS WHEN THINNING TO AVOID TREES AND SHRUBS. HANG DIG AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS CLOSER THAN 2" IN DIAMETER.
- 2) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.
- 3) DO NOT USE VALVE BOXES. ALL VALVES SHALL BE INSTALLED USING AN 18" PVC FLEX PIPE CONNECTION.
- 4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES & BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FLOODING. USE ADJUSTABLE NOZZLES WHERE ALL REQUIRED TO AVOID ANY WATER ON BUILDING-MAINTENANCE.
- 5) ALL RESERS SHALL BE PAINTED BLACK OR A COLOR CHOSEN BY THE OWNER'S REPRESENTATIVE (IF ALLOWED BY CODE) AND SHALL BE STAKED WITH A STEEL ANGLE AND SECURED WITH PULP ULTRAVIOLET LAM PROTECTED WITH AN ALUMINUM STRIP. SYSTEMS MAY BE USING "CONE STEP" PIPE TO PURPLE.
- 6) ALL CONTROL WIRE SPACES SHALL BE MADE IN VALVE BOXES USING ANNO "ONE STEP" CONNECTORS AND SEALANT WITH WIRE NUTS.
- 7) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING ALL SPRIGATION INSTALLATION. THE CONTRACTOR SHALL NEATLY MARK IN RED-INK ON A WHITE BOARD PAPER COPY OF THE SPRIGATION PLAN ALL INSTALLATION THAT DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREMENTS SHALL BE MARKED ON THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOCATION AS THE PLAN.
- 8) ALL VALVES, GATE VALVES AND GUNK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. THE VALVE BOXES SHALL BE PURPLE-18X24 INCH REUSE WATER.
- 9) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREA ONLY.
- 10) ALL RESERS SHALL BE INSTALLED 12" FROM ANY WALL AND A MINIMUM OF 12" FROM ANY SIDEWALK, PATIO OR ROAD. (MINIMUM OF 2" WHERE THERE ARE NO SUMMER STOPS) THE EXACT HEIGHT OF "ANY 12" POP-UP" THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD.
- 11) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY THEIR WORK.
- 12) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP, (OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS)
- 13) ELECTRICAL SERVICE TO LOCATION OF THE CONTROLLER, WELL OR PUMP SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER. THE LOCATION OF THE WELL OR PUMP SHALL BE PROVIDED BY THE OWNER WHEN IT IS NOT PART OF THE BID PACKAGE. CONFIRM THE LOCATION OF THE CONTROLLER WITH THE OWNER OR GENERAL CONTRACTOR BEFORE ANY INSTALLATION.
- 14) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCALE THE PLAN AND CHECK NOZZLE LOCATION TO BEHIND THE HEADS OF THE HEADS. THE CONTRACTOR SHALL NOT MOVE THE HEADS FURTHER APART OR USE LESS HEADS THAN SHOWN ON THE PLAN. ANY CHANGES TO THE HEAD SPACING OR LAYOUT, WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT OR OWNER, SHALL BE THE SPRIGATION CONTRACTOR RESPONSIBLE FOR WARRANTY OF THE PLANTS AND OR SOO IN THESE AREAS.
- 15) 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE STATE ONE CALL CENTER)



<u>ZONE</u>	<u>GPM</u>	<u>HEAD TYPE</u>	<u>WATER USE</u>	<u>PRECIP. RATE</u> (in. per hour)	<u>RUN TIME</u> (minutes)
1	50	Spray	MEDIUM	1.5	20
2	39	Bubbler	MEDIUM	1.5	20
3	50	Spray	MEDIUM	1.5	20
4	21	Bubbler	MEDIUM	1.5	20
5	32	Spray	MEDIUM	0.75	40
6	27	Bubbler	MEDIUM	1.5	20
7	47	Spray	MEDIUM	1.5	20
8	41	Spray	MEDIUM	1.5	20
9	40	Spray	MEDIUM	1.5	20
10	48	Spray	MEDIUM	1.5	20
11	36	Spray	MEDIUM	1.5	20
12	39	Spray	MEDIUM	1.5	20

DISCLAIMER (Based on 2 days a week to provide 1" of water)

This chart is provided as a general outline only. The contractor shall be responsible to set the run times on the controller based for the traffic conditions and local code. This shall include, but not limited to, soil, weather, plant needs and a 14-day period. The contractor shall be fully responsible to check equipment quantities and shall be responsible to install and include in the proposal all equipment shown on the plan. The plan overrides any errors in quantities.

SPRINKLER SYSTEM

ATTACHMENT 3

Irrigation Information

WRWSF IRRIGATION INFORMATION

Controller #1, Well #4:

Zone#	GPM	Head Quantity
1	118	39 Rotors
2	110	36 Rotors
3	116	38 Rotors
4	106	34 Rotors
5	88	28 Rotors
6	108	36 Rotors
7	112	36 Rotors
8	114	35 Rotors
9	108	33 Rotors
10	118	38 Rotors
11	94	30 Rotors
12	120	39 Rotors
13	92	31 Rotors

Controller #2, Well #8:

Zone#	GPM	Head Quantity
1	72	38 Sprays
2	94	30 Rotors
3	108	34 Rotors
4	118	38 Rotors
5	114	35 Rotors
6	106	32 Rotors
7	108	34 Rotors
8	106	31 Rotors
9	98	30 Rotors
10	110	33 Rotors
11	102	29 Rotors

Controller #3, Office:

Zone#	GPM	Head Quantity
1	102	30 Rotors
2	118	38 Rotors
3	122	41 Rotors
4	124	42 Rotors
5	118	37 Rotors
6	124	42 Rotors
7	114	34 Rotors
8	82	38 Sprays
9	96	46 Sprays
10	126	42 Rotors
11	116	34 Rotors
12	122	41 Rotors
13	96	27 Rotors