



Interoffice Memorandum

Received: August 20, 2021 @ 8:35 a.m.
No Advertising Requirements

August 20, 2021

To: Katie Smith, Manager
Comptroller Clerk's Office

Through: Cheryl Gillespie, Agenda Development Supervisor
Agenda Development

From: David D. Jones, P.E., CEP, Manager
Environmental Protection Division
(407) 836-1406 

**Staff Person: Elizabeth R. Johnson, CEP, Assistant Manager
Environmental Protection Division
(407) 836-1511**

Subject: Request for Public Hearing on September 28, 2021 at 2:00 p.m., for a Conservation Area Impact Permit Application (CAI-20-12-075) for impacts to a surface water associated with the construction of a stormwater pond for the Orlando Utilities Commission Substation – Clapp Simms Duda Road Project located at 10708 Clapp Simms Duda Road, Orlando, FL 32832, Parcel ID No. 32-24-31-0000-00-008, District 4

=====

Applicant: Orlando Utilities Commission (OUC)

Type of Hearing: Conservation Area Impact Permit Application

Hearing required by
Florida Statute # or Code: Orange County Comprehensive Plan

Advertising requirements: None

Advertising timeframes: N/A

Abutters to be notified: The applicant and agent will be notified at least seven days prior to the hearing by the Environmental Protection Division (EPD). Notification of abutters is not necessary.

Estimated time required
For public hearing: 2 minutes

August 20, 2021

Request for Public Hearing on September 28, 2021 for Conservation Area Impact Permit Application for OUC Substation – Clapp Simms Duda Road Project (CAI-20-12-075)

Municipality or other
Public Agency to be
notified:

South Florida Water Management District,
Lisa Prather, lprather@sfwmd.gov

Hearing Controversial: No

District #: 4

Materials being submitted as backup for public hearing request:

1. Site Plan
2. Location Map

Special Instructions to Clerk:

1. Once the Board of County Commissioners makes a decision on the Conservation Area Impact Permit Application, please submit the decision letter to Liz Johnson with EPD. EPD will issue the decision to the applicant.

RB/NT/TMH/ERJ/DJ: jk

Attachments

Conservation Area Impact Permit Request



Conservation Area Impact Permit Request CAI-20-12-075 District #4

Applicant: Orlando Utilities Commission (OUC)

Address: 10708 Clapp Simms Duda Road

Parcel ID No.: 32-24-31-0000-00-008

Project Site 

Property Location 

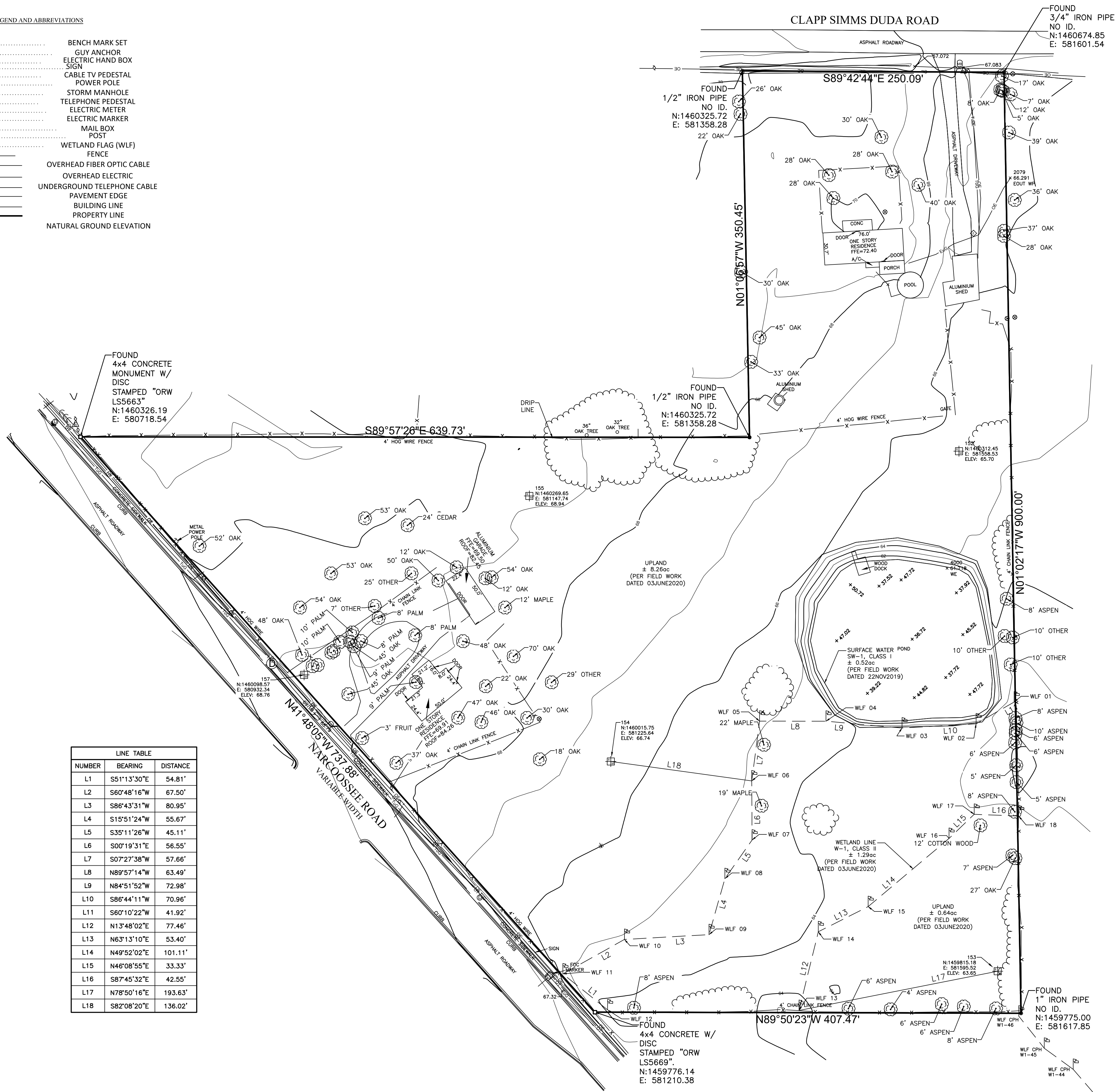


BOUNDARY AND TOPOGRAPHIC SURVEY

SECTION 32, TOWNSHIP 24 SOUTH, RANGE 31 EAST
ORANGE COUNTY, FLORIDA

LEGEND AND ABBREVIATIONS

	BENCH MARK SET
	GUY ANCHOR
	ELECTRIC HAND BOX
	SIGN
	CABLE TV PEDESTAL
	POWER POLE
	STORM MANHOLE
	TELEPHONE PEDESTAL
	ELECTRIC METER
	ELECTRIC MARKER
	MAIL BOX
	POST
	WETLAND FLAG (WLF)
	FENCE
	OVERHEAD FIBER OPTIC CABLE
	OVERHEAD ELECTRIC
	UNDERGROUND TELEPHONE CABLE
	PAVEMENT EDGE
	BUILDING LINE
	PROPERTY LINE
	NATURAL GROUND ELEVATION



LINE TABLE		
NUMBER	BEARING	DISTANCE
L1	S51°13'30"E	54.81'
L2	S60°48'16"W	67.50'
L3	S86°43'31"W	80.95'
L4	S15°51'24"W	55.67'
L5	S35°11'26"W	45.11'
L6	S00°19'31"E	56.55'
L7	S07°27'38"W	57.66'
L8	N89°57'14"W	63.49'
L9	N84°51'52"W	72.98'
L10	S86°44'11"W	70.96'
L11	S60°10'22"W	41.92'
L12	N13°48'02"E	77.46'
L13	N63°13'10"E	53.40'
L14	N49°52'02"E	101.11'
L15	N46°08'55"E	33.33'
L16	S87°45'32"E	42.55'
L17	N78°50'16"E	193.63'
L18	S82°08'20"E	136.02'

LEGAL DESCRIPTION:

A PARCEL OF LAND AS RECORDED IN ORANGE COUNTY, FLORIDA; INSTRUMENT NUMBER 20190300699

MORE PARTICULARLY DESCRIBED AS:

FROM THE SE CORNER OF THE SW 1/4 OF THE SE 1/4 OF SECTION 32, TOWNSHIP 24 SOUTH, RANGE 31 EAST, RUN NORTH 430 FEET TO THE POINT OF BEGINNING; RUN THENCE NORTH 900 FEET, THENCE WEST 250 FEET THENCE SOUTH 350 FEET THENCE WEST 640.70 FEET TO STAKE ON EAST LINE OF NARCOOSSEE-CONWAY ROAD, THENCE SOUTHEASTERLY ALONG EAST LINE OF SAID HIGHWAY 738.5 FEET TO STAKE DUE WEST OF POINT OF BEGINNING, THENCE DUE EAST 409.7 TO POINT OF BEGINNING.

SURVEYOR'S NOTES:

1. EASEMENTS OR RIGHTS OF WAY THAT APPEAR ON RECORDED PLANS OR THAT HAVE BEEN FURNISHED TO THE SURVEYOR BY OTHERS HAVE BEEN INCORPORATED INTO THIS DRAWING WITH APPROPRIATE NOTATION. OTHER EASEMENTS MAY BE DISCOVERED BY A SEARCH OF THE PUBLIC RECORDS.
2. VERTICAL INFORMATION SHOWN HEREON ARE BASED ON A CLOSED LEVEL LOOP RUN FROM ORANGE COUNTY PID#S1601010, BEING A ORANGE COUNTY ALUMINUM DISC STAMPED "S-1601-010", HAVING AN ELEVATION OF 66.708 FEET TO ORANGE COUNTY PID#S1601009 BEING A ORANGE COUNTY ALUMINUM DISC STAMPED "S-1601-009" NAVD88 DATUM.
3. HORIZONTAL POSITIONS FOR ALL FEATURES SHOWN ON THE MAP ARE RELATIVE TO (NORTH AMERICAN DATUM, NAD83, 2011 ADJUSTMENT, FLORIDA STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE) AND ARE BASED ON FLORIDA DEPARTMENT OF TRANSPORTATION'S "FLORIDA PERMANENT REFERENCE NETWORK" GPS CONTINUOUSLY OPERATING REFERENCE STATIONS "INGRS", DISTANCES SHOWN ARE GRID DISTANCES.
4. MINIMUM HORIZONTAL ACCURACY FOR THIS SURVEY IS IN ACCORDANCE WITH THE STANDARDS OF PRACTICE SET FORTH BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17 REQUIREMENTS OF FLORIDA ADMINISTRATION CODE. THE MAP AND MEASUREMENT METHODS USED FOR THIS SURVEY MEET OR EXCEED THIS REQUIREMENT. THE DIMENSIONS SHOWN HEREON ARE IN UNITED STATES STANDARD SURVEY FEET AND DECIMALS THEREOF.
5. THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF AN ABSTRACT, TITLE SEARCH, TITLE OPINION OR TITLE COMMITMENT. A TITLE SEARCH MAY REVEAL ADDITIONAL INFORMATION AFFECTING THE PARCEL AS SHOWN.
6. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
7. INFORMATION SHOWN ON ADJACENT PROPERTIES WAS COMPILED USING LATEST AVAILABLE DATA. NO ATTEMPT WAS MADE BY THIS FIRM TO VERIFY ITS ACCURACY.
8. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
9. FEATURES SHOWN BY SYMBOL AS INDICATED IN THE LEGEND ARE NOT TO SCALE.
10. DIMENSIONS ARE SHOWN IN U.S. SURVEY FEET AND DECIMALS THEREOF.
11. COORDINATES ARE BASED ON FIELD SURVEYS USING REAL TIME NETWORK (RTN GPS) (VRS NOW).
12. THE SUBJECT PROPERTY HAS PUBLIC ACCESS.
13. NO OBSERVED EVIDENCE OR EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS WAS MADE BY THIS FIRM AT THE TIME OF THIS SURVEY.
14. NO OBSERVED EVIDENCE OF SITE BEING USED AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL WAS MADE BY THIS FIRM AT THE TIME OF THIS SURVEY.
15. RIGHT OF WAY INFORMATION SHOWN HEREON WAS DETERMINED BY FOUND MONUMENTATION, RECORDED PLATS, RECORDED RIGHT OF WAY MAPS, AND INFORMATION OBTAINED ON THE ORANGE COUNTY PROPERTY APPRAISERS WEB SITE.
16. BEARINGS SHOWN HEREON ARE BASED ON GRID.
17. THE COMBINED GRID SCALE FACTOR AT THIS LOCATION IS 0.9999488164. THIS DRAWING IS IN GRID. ALL DIMENSIONS SHOULD BE MULTIPLIED BY 1.000051186 TO OBTAIN GROUND DISTANCES.
18. WETLAND FLAGS INITIALLY LOCATED ON 11/22/2019 AND ADDED HEREIN ON 11/25/2019.
19. WETLAND FLAGS RE-LOCATED IN THE FIELD ON 06/03/2020 AND SURVEY UPDATED 06/09/2020.
20. WETLAND, SURFACE WATER AND UPLAND LABELS ADDED TO UPDATED SURVEY 29 SEPT 2020.
21. WETLAND LABELS UPDATED AND LABELS ADDED TO DELINEATED WETLAND LINES 18 NOV 2020.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THIS SURVEY MEETS THE APPLICABLE "STANDARDS OF PRACTICE" AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN RULE 5J17.050-.052 FLORIDA ADMINISTRATIVE CODE.

JASON D. HILL
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NUMBER 6008
SURVEYING AND MAPPING, LLC.

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

SHEET 1
OF 1

SPLIT OAK SUBSTATION
TOPOGRAPHIC AND BOUNDARY SURVEY
ORANGE COUNTY, FLORIDA

PROJECT: POWER ENGINEERS
SPLIT OAK SUBSTATION

JOB NUMBER: 1019051877
DATE: 11/25/2019
SCALE: 1"=50'
SURVEYOR: J. HILL
TECHNICIAN: M. SEITZINGER
DRAWING: 51877-SplitOakSurvey-Updated_MKS.dwg
DATE: 11/25/2019
PARTY/CLIENT:
FIELDBOOKS:

8529 Southpark Circle,
Suite 100,
Orlando, FL 32813
Phone: 407-484-9345
email: info@sam.biz

Licensed Business No. 7908



Construction Plans
for
Split Oak Substation

Orange County, FL

LEGAL DESCRIPTION:

FROM THE SE CORNER OF THE SW 1/4 OF THE SE 1/4 OF SECTION 32, TOWNSHIP 24 SOUTH, RANGE 31 EAST, RUN NORTH 430 FEET TO THE POINT OF BEGINNING; RUN THENCE NORTH 900 FEET, THENCE WEST 250 FEET THENCE SOUTH 350 FEET THENCE WEST 640.70 FEET TO STAKE ON EAST LINE OF NARCOOSSEE-CONWAY ROAD, THENCE SOUTHEASTERLY ALONG EAST LINE OF SAID HIGHWAY 738.5 FEET TO STAKE DUE WEST OF POINT OF BEGINNING, THENCE DUE EAST 409.7 TO POINT OF BEGINNING.

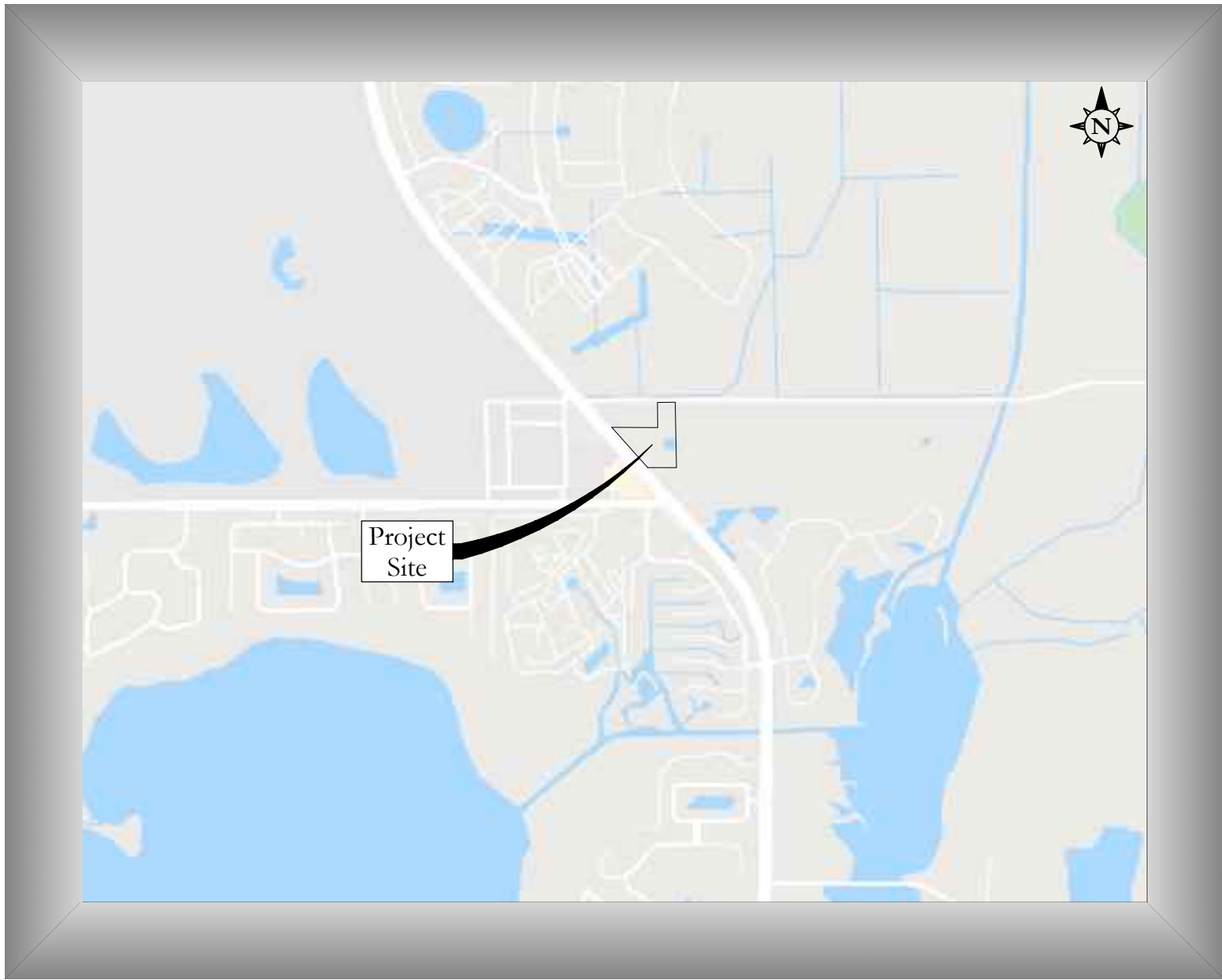
SUBJECT TO RIGHT-OF-WAY DEED TO ORANGE COUNTY AS RECORDED IN DEED BOOK 558, PAGE 541, ORANGE RECORDS.

Parcel Id. No.:
32-24-31-0000-00-008

10708 Clapp Simms Duda Road
Orlando, FL 32832



Owner/Developer/Applicant:
OUC
100 W. Anderson St.
Orlando, FL 32801



Vicinity Map
Scale: 1" = 2,000'

Sheet Index		Subm./Rev.					
Sheet Id.	Sheet Title	1	2	3	4	5	6
C0.00	Cover Sheet	■	■	■			
C0.01	General Notes	■					
C0.02	General Notes	■	■				
C1.00	Site Plan	■	■	■	■		
C1.10	OCFRD Vehicle Turning Movement Plan & Needed Fire Flow Calculation	■					
C2.00	Erosion Control And Demolition Plan	■		■			
C3.00	Geometry Plan	■	■	■	■		
C4.00	Grading & Drainage Plan	■	■	■	■		
C4.10	Grading Sections	■		■			
C4.20	Grading Sections	■		■	■		
C4.30	Structure Details	■					
C5.00	Utility Plan	■	■	■			
C6.00	Construction Details	■	■				
C6.10	Construction Details	■					

Landscape & Irrigation Plans

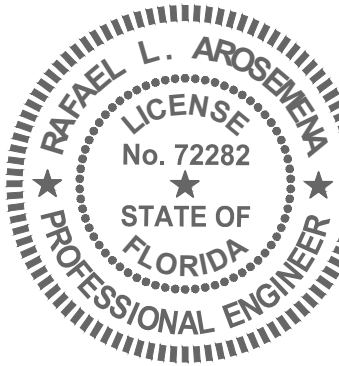
L-1	Tree Removal Plan	■		■	■	
L-2	Landscape Plan	■		■	■	
L-3	Littoral Shelf Details					■
L-4	Irrigation Plan	■		■	■	

Survey Plans

1	Boundary And Topographic Survey	■		■		
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	Date	Description
	2/14/2020	Orange County Submittal
	2/28/2020	FDEP ERP Submittal
1	4/17/2020	Orange County Comments
2	12/17/2020	Orange County Comments
3	7/14/2021	Orange County EPD Comments

NOTE:
CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS, FDOT GREEN BOOK, AND ORANGE COUNTY REGULATIONS AND SPECIFICATIONS.



DATE: July 14, 2021

Civil Engineer:
Poulos & Bennett, LLC
2602 E. Livingston St.
Orlando, FL 32803
407.487.2594

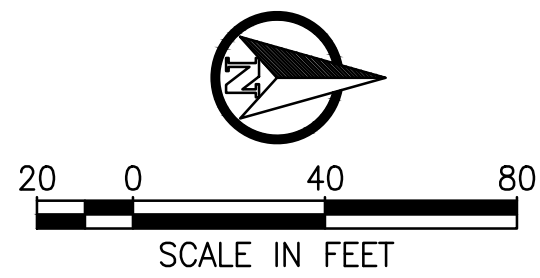
Surveyor:
Surveying and Mapping, LLC
8529 Southpark Circle
Orlando, FL 32819
407.484.9345

Geotechnical Engineer:
Ardaman & Associates, Inc.
8008 S. Orange Ave
Orlando, FL 32809
407.855.3860

Landscape Architect:
Schweizer Bojack Landscape Architecture LLC
P.O. Box 948383
Maitland, FL 32794
407-376-1423



2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567
P&B Job No.: 19-063



TYPICAL WETLAND BUFFER SIGN



- | | |
|--|--|
| | BASELINE |
| | PROPERTY LINE |
| | RIGHT-OF-WAY LINE (R.O.W) |
| | BUILDING SETBACK LINE |
| | LANDSCAPE BUFFER LINE |
| | 8' PERIMETER WALL (REFER TO STRUCTURAL PLANS FOR DETAILS) |
| | 6' CHAINLINK FENCE. REFER TO SHEET C3.00 FOR FENCE TYPE |
| | CENTERLINE OF SWALE |
| | 6" #57 LIMESTONE (PREWASHED) SUBSTATION YARD |
| | PROPOSED ASPHALT PAVEMENT (SEE DETAIL SHEET C6.00) |
| | PROPOSED UNMANNED CONTROL EQUIPMENT ENCLOSURE (C.E.E.) |
| | PROPOSED CONCRETE PAVEMENT (SEE DETAIL SHEET C6.00) |
| | PROPOSED CRUSHED CONCRETE ROAD (SEE DETAIL SHEET C6.00) |
| | PROPOSED LITTORAL SHELF AND PLANTING AREA (REFER TO LANDSCAPE PLANS) |
| | WETLAND BUFFER |
| | SECONDARY IMPACT |
| | SURFACE WATER IMPACTS |
| | LITTORAL SHELF IMPACTS |

TOTAL SITE AREA	10.19 AC
TOTAL SUBSTATION AREA	1.25 AC
TOTAL STORMWATER AREAS	1.03 AC
TOTAL OPEN SPACE AREA	7.91 AC
JURISDICTION	ORANGE COUNTY

BUILDING SETBACKS	
LOCATION	REQUIRED
FRONT (CLAPP SIMMS DUDA ROAD)	35'
SIDE (EAST&WEST)	10'
REAR (SOUTH)	50'
REAR (NARCOOSSEE ROAD)	55'

Consultant:

3	07/14/20	ORANGE COUNTY FPD COMMENTS
2	12/17/20	ORANGE COUNTY COMMENTS
1	04/17/20	ORANGE COUNTY COMMENTS
-	02/14/20	ORANGE COUNTY & FDEP ERP SUBMITTAL
NO.	DATE:	DESCRIPTION:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		19-063
DESIGNED BY:		RA
DRAWN BY:		RA
CHECKED BY:		RO
APPROVED BY:		JTP
SCALE IN FEET:		1" = 40'

Project Name:

**SPLIT OAK
SUBSTATION**


Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:

SITE PLAN

Sheet No.: **C1.00**

Seal:



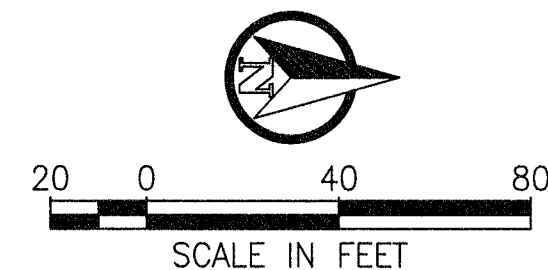
RAFAEL L. AROSEMENA
P.E. NO. 0072282

DATE: July 14, 2021

POULOS & BENNETT

Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2019\19-063 OUC SPLIT OAK SUBSTATION\CAD\FINAL\COUNTY\C1.00



LEGEND

- PROPERTY LINE
- RIGHT OF WAY (ROW) LINE
- POND NCL LINE
- BASELINE
- CENTERLINE OF SWALE
- 6" #57 LIMESTONE (PREWASHED) SUBSTATION YARD
- PROPOSED ASPHALT PAVEMENT (SEE DETAIL SHEET C6.00)
- PROPOSED UNMANNED CONTROL EQUIPMENT ENCLOSURE (C.E.E.)
- PROPOSED CRUSHED CONCRETE DRIVEWAY (SEE DETAIL SHEET C6.00)
- PROPOSED CONCRETE DRIVEWAY (SEE DETAIL SHEET C6.00)
- PROPOSED (2) 10' SWING GATES (CONTRACTOR TO COORDINATE WITH OWNER FOR DETAILS)
- VALLEY GUTTER PER FDOT STANDARD PLAN INDEX 520-001
- 6' BLACK VINYL COATED CHAINLINK FENCE. REFER LANDSCAPE PLANS FOR LANDSCAPE BUFFER DETAILS
- ACCESSIBLE CURB RAMP WITH DETECTABLE WARNING SURFACE PER FDOT STANDARD PLANS INDEX 522-002
- PROPOSED 5' WIDE HEAVY DUTY CONCRETE SIDEWALK (SEE DETAIL SHEET C6.00 FOR DETAILS)
- R1-1 30"x30" STOP SIGN (SEE DETAIL SHEET C6.00 FOR DETAILS)
- 24" WIDE WHITE STOP BAR PER FDOT STANDARD PLANS INDEX 711-001
- (2) 10' SWING GATES. COORDINATE WITH OWNER FOR GATE DETAIL
- 6' CHAINLINK FENCE
- 6'x6"x4" CONCRETE APRON AND LIMITED-USE WITH RESTRICTIONS/IRRIGATION WELL (DESIGNED, PERMITTED AND CONSTRUCTED BY PATTERSON WELL DRILLING CO. SHOWN FOR REFERENCE ONLY)
- 3' CURB TRANSITION
- SIDEWALK CURB PER FDOT STANDARD PLANS INDEX 522-002
- CONCRETE DRIVEWAY (SEE DETAIL SHEET C6.00 FOR DETAILS)
- (2) 8' SWING GATES. COORDINATE WITH OWNER FOR GATE DETAIL
- FUTURE CONCRETE ENCASED/DIRECT BURIED DISTRIBUTION DUCT BANK. REFER TO DISTRIBUTION DUCT BANKS PLAN AND PROFILE PLANS FOR DETAILS

NOTES:

- ALL REGULATORY SIGNS SHALL BE INSTALLED PER FDOT FY 2018-19 STANDARD PLANS SPECIFICATIONS.
- FOR ALL SIGNAGE REFER TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ALL DIMENSIONS ARE TO FACE OF CURB, BUILDING FACE (OUTSIDE WALL), EDGE OF PAVEMENT (WHERE NO CURB IS PRESENT), OR PROPERTY LINE, UNLESS OTHERWISE NOTED.
- FOR ALL STRIPING AND MARKINGS REFER TO F.D.O.T. STANDARD PLANS INDEX 711-001 FOR DETAILS - SPECIAL MARKING AREAS: ALL PAVEMENT MARKINGS TO BE STANDARD PAINT PER F.D.O.T. STANDARD PLAN INDEX 711-001 & STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 710. FOR ALL SIGNAGE REFER TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- SURVEYOR TO VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS PRIOR TO COMMENCING CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR TO REFER TO GENERAL NOTES SHEET C0.01 FOR ADDITIONAL CONDITIONS.

SEPTIC SYSTEM (DESIGNED AND PERMITTED BY UNIVERSAL ENGINEERING SCIENCES (UES))

APPROXIMATELY 37 LF OF RETAINING WALL (REFER TO STRUCTURAL PLANS FOR DETAILS)

Consultant:

3	07/14/21	ORANGE COUNTY BPD COMMENTS
2	12/17/20	ORANGE COUNTY COMMENTS
1	04/17/20	ORANGE COUNTY COMMENTS
1	02/14/20	ORANGE COUNTY & FDEP FRP SUBMIT
NO.	DATE	DESCRIPTIONS
		SUBMISSIONS/REVISIONS
		VERTICAL DATUM: NAVD83
		JOB NO.: 19
		DESIGNED BY:
		DRAWN BY:
		CHECKED BY:
		APPROVED BY:
		SCALE IN FEET: 1"=
		Project Name:

SPLIT OAK SUBSTATION

Jurisdiction:

ORANGE COUNTY, FL

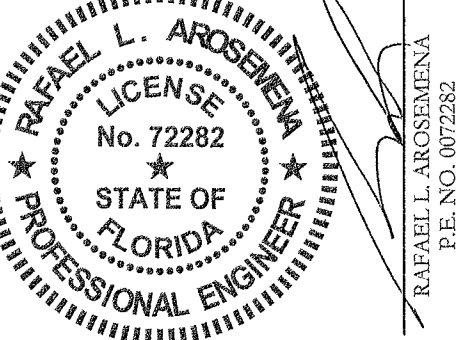
Sheet Title:

GEOMETRY PLAN

Sheet No.:

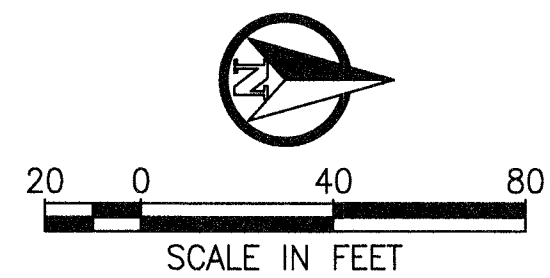
C3.00

Seal:



POULOS & BENNETT

Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32808
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

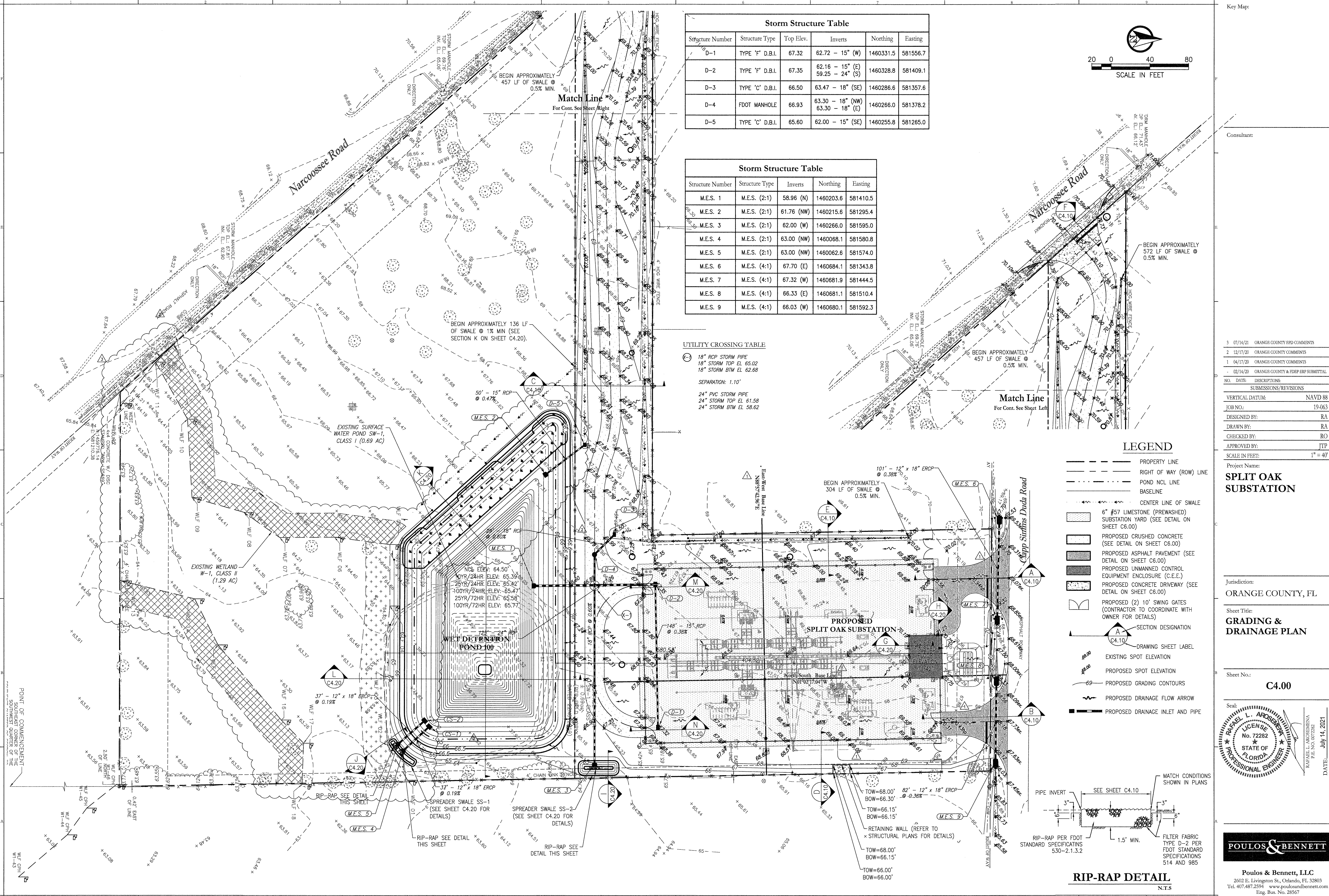


Storm Structure Table					
Structure Number	Structure Type	Top Elev.	Inverts	Northing	Easting
D-1	TYPE 'F' D.B.I.	67.32	62.72 - 15" (W)	1460331.5	581556.7
D-2	TYPE 'F' D.B.I.	67.35	62.16 - 15" (E) 59.25 - 24" (S)	1460328.8	581409.1
D-3	TYPE 'C' D.B.I.	66.50	63.47 - 18" (SE)	1460286.6	581357.6
D-4	FDOT MANHOLE	66.93	63.30 - 18" (NW) 63.30 - 18" (E)	1460266.0	581378.2
D-5	TYPE 'C' D.B.I.	65.60	62.00 - 15" (SE)	1460255.8	581265.0

Storm Structure Table					
Structure Number	Structure Type	Inverts	Northing	Easting	
M.E.S. 1	M.E.S. (2:1)	58.96 (N)	1460203.6	581410.5	
M.E.S. 2	M.E.S. (2:1)	61.76 (NW)	1460215.6	581295.4	
M.E.S. 3	M.E.S. (2:1)	62.00 (W)	1460266.0	581595.0	
M.E.S. 4	M.E.S. (2:1)	63.00 (NW)	1460068.1	581580.8	
M.E.S. 5	M.E.S. (2:1)	63.00 (NW)	1460062.6	581574.0	
M.E.S. 6	M.E.S. (4:1)	67.70 (E)	1460684.1	581343.8	
M.E.S. 7	M.E.S. (4:1)	67.32 (W)	1460681.9	581444.5	
M.E.S. 8	M.E.S. (4:1)	66.33 (E)	1460681.1	581510.4	
M.E.S. 9	M.E.S. (4:1)	66.03 (W)	1460680.1	581592.3	

UTILITY CROSSING TABLE

18" RCP STORM PIPE
 18" STORM TOP EL. 65.02
 18" STORM BTM EL. 62.68
 SEPARATION: 1.10'
 24" PVC STORM PIPE
 24" STORM TOP EL. 61.58
 24" STORM BTM EL. 58.62



Consultant:

3	07/14/21	ORANGE COUNTY FPD COMMENTS
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	02/14/20	ORANGE COUNTY & FDOT EIR SUBMITTAL
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DESIGNED BY:		RA
DRAWN BY:		RA
CHECKED BY:		RO
APPROVED BY:		JTP
SCALE IN FEET:		1" = 40'

Project Name:

SPLIT OAK
SUBSTATION

Jurisdiction:

ORANGE COUNTY, FL

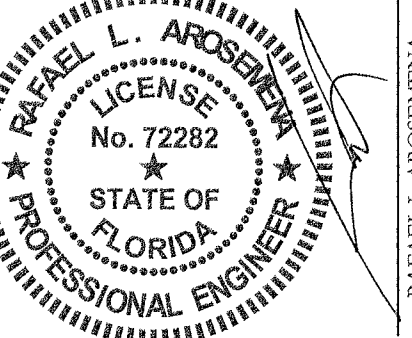
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GRADING &
DRAINAGE PLAN

Sheet No.:

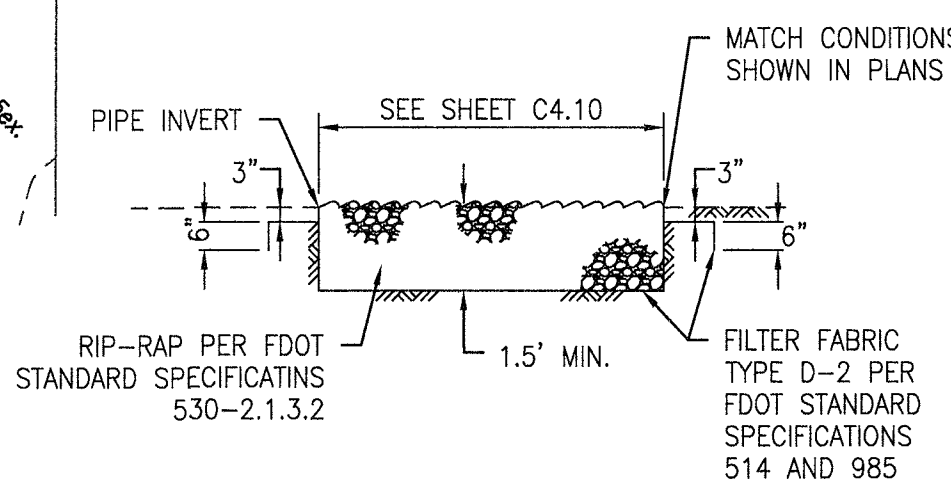
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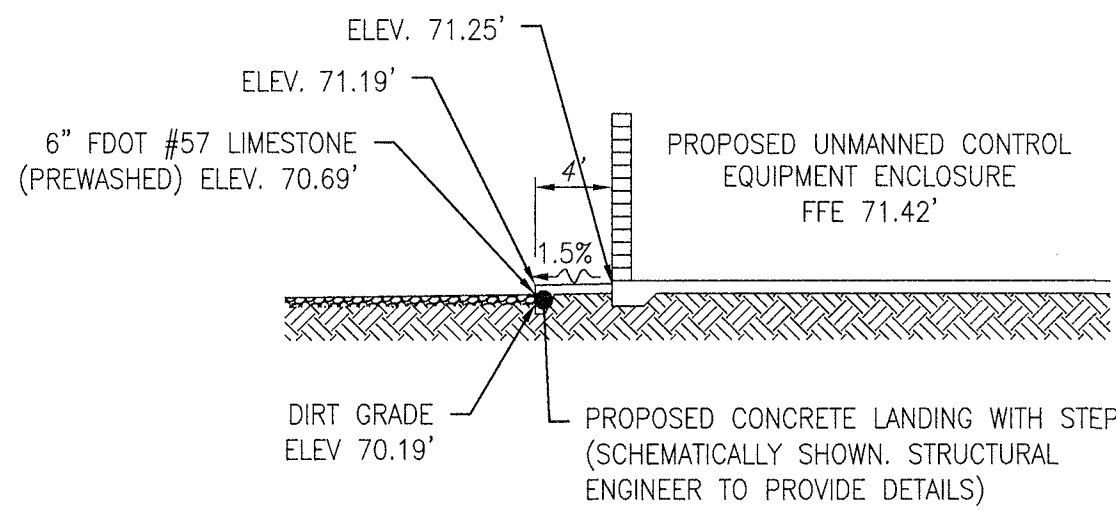
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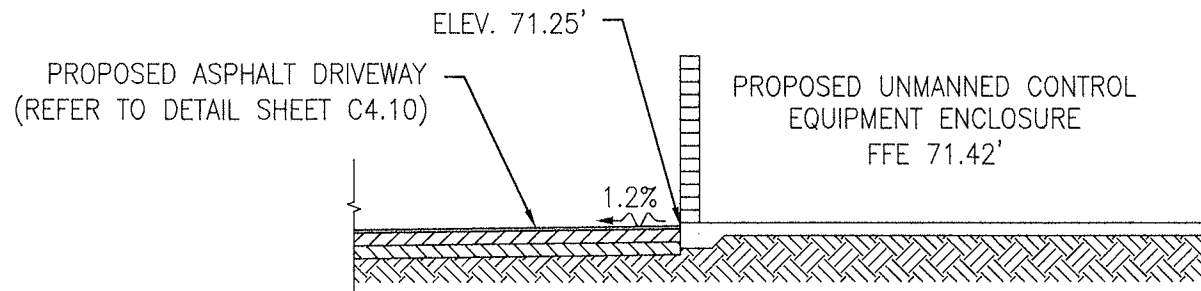
POULOS & BENNETT

Poulos & Bennett, LLC
 2602 E. Livingston St., Orlando, FL 32803
 Tel. 407.487.2594 www.poulosandbennett.com
 Eng. Bus. No. 28567

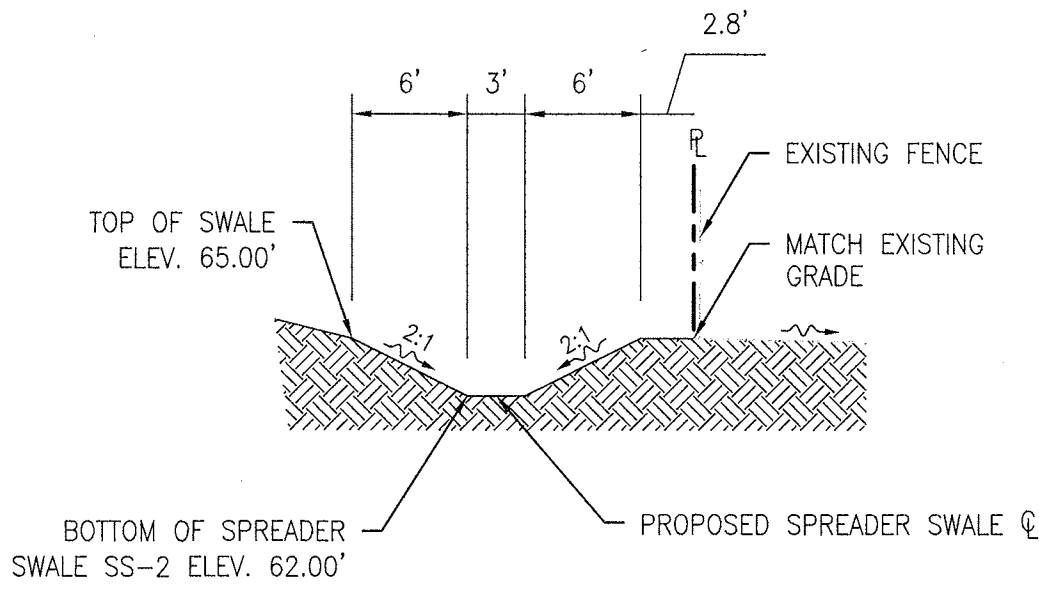
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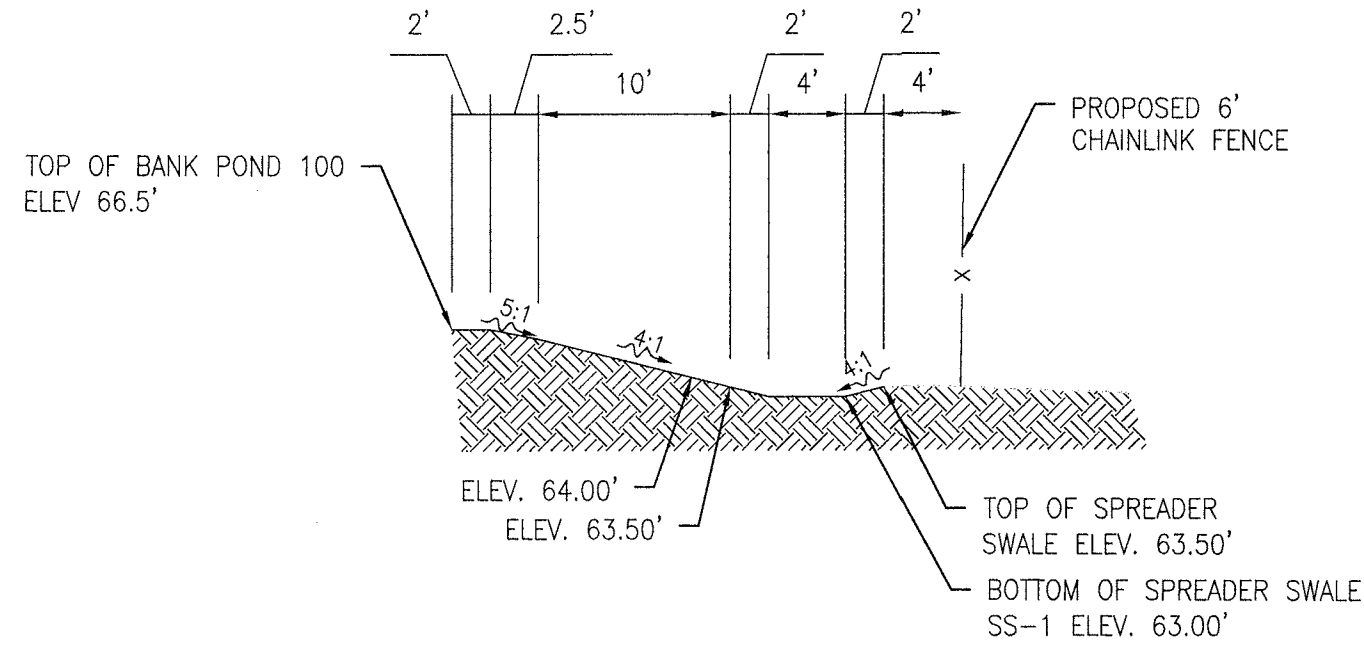
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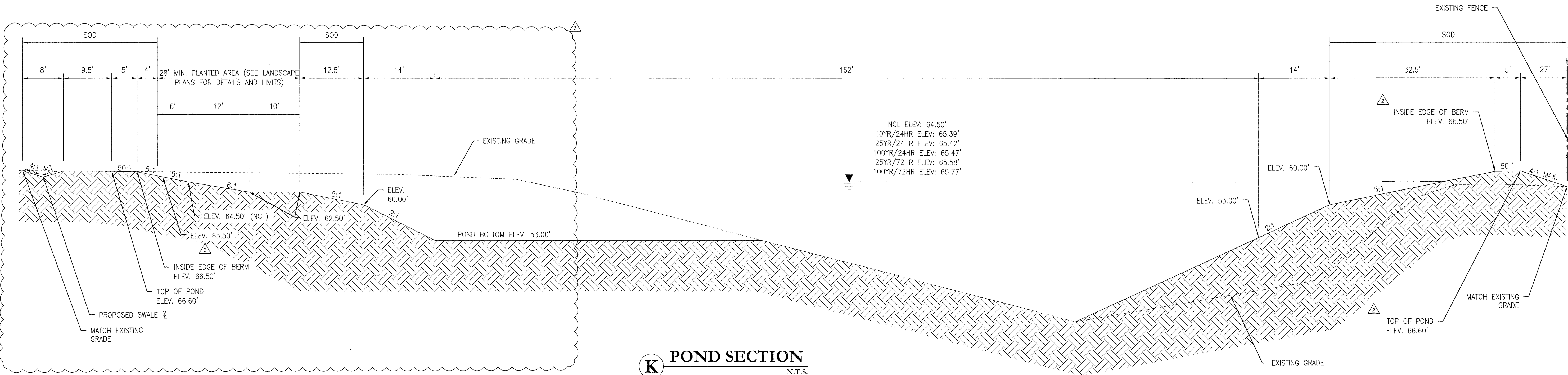
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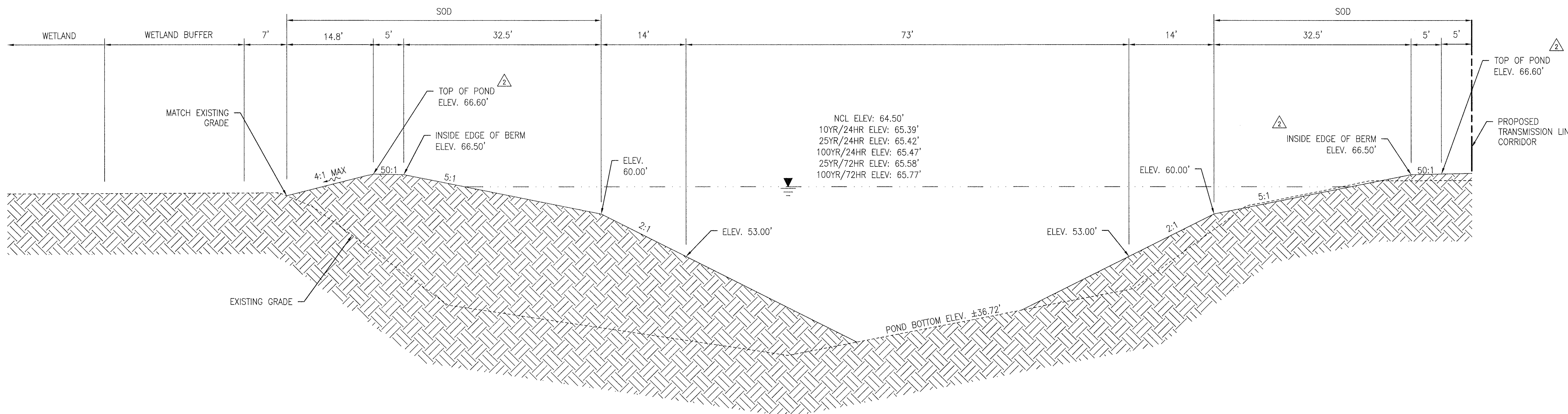
I SPREADER SWALE SS-2 SECTION
(SEE SHEET C4.10 FOR PLAN VIEW) N.T.S.



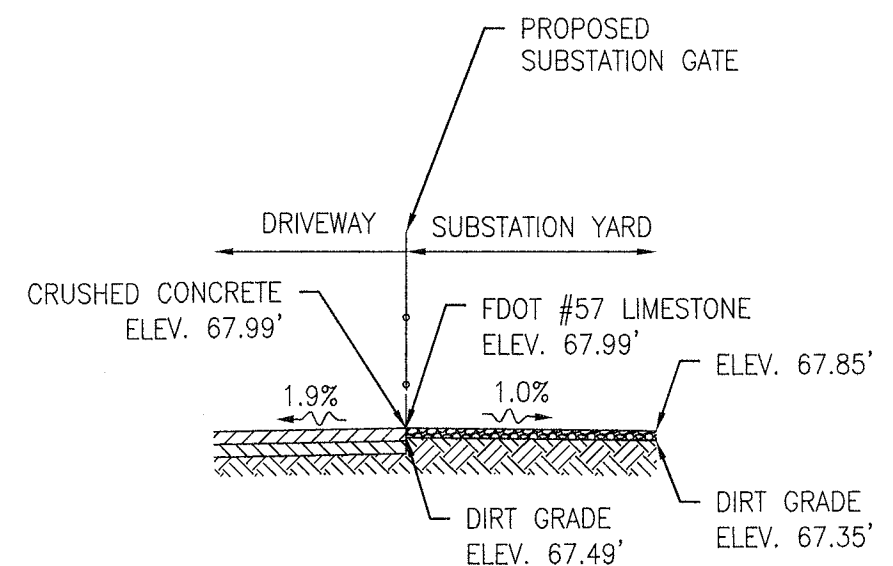
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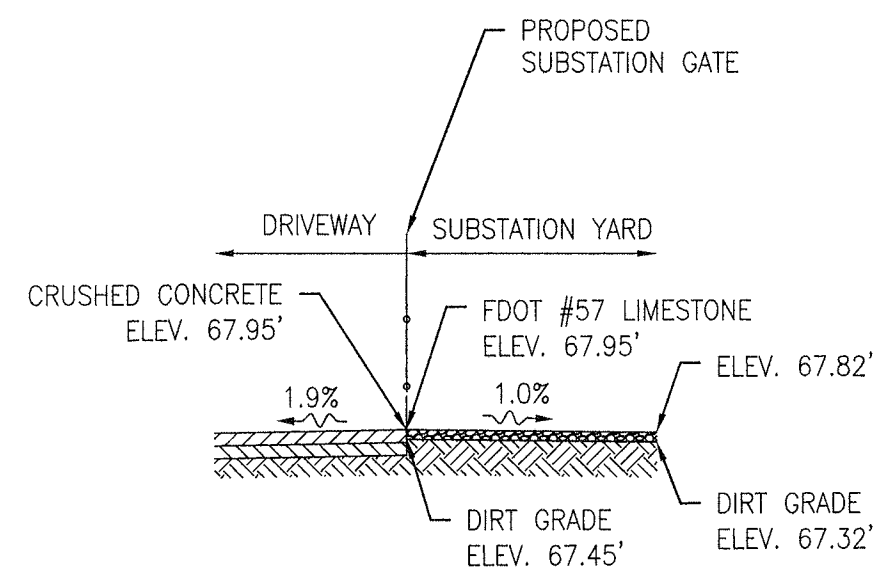
K POND SECTION
N.T.S.



L POND SECTION
N.T.S.



M DRIVEWAY SECTION
N.T.S.



N DRIVEWAY SECTION
N.T.S.

Jurisdiction:

ORANGE COUNTY, FL

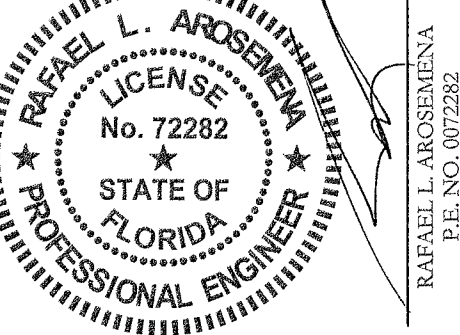
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GRADING SECTION

Sheet No.:

C4.20

Seal:

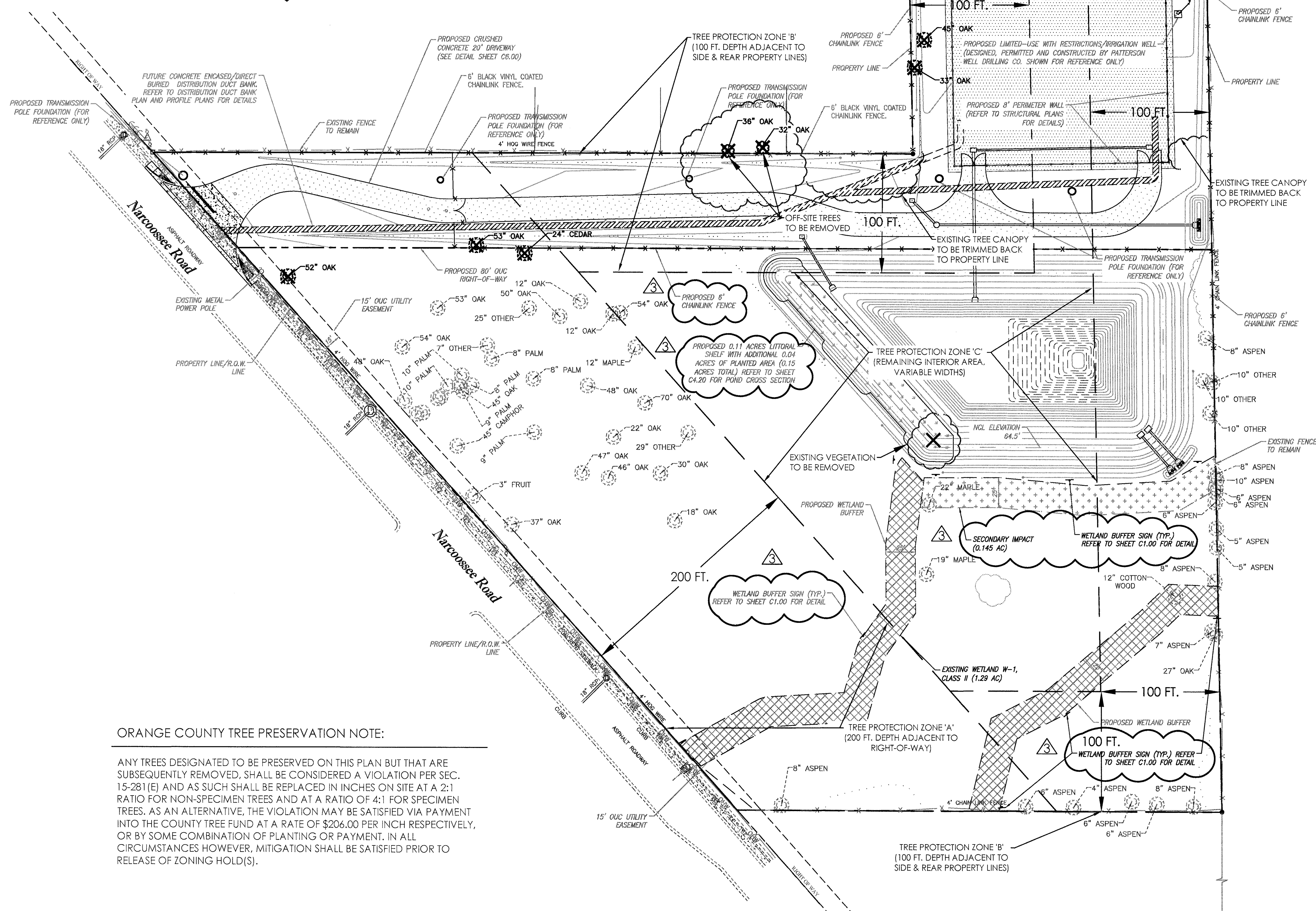
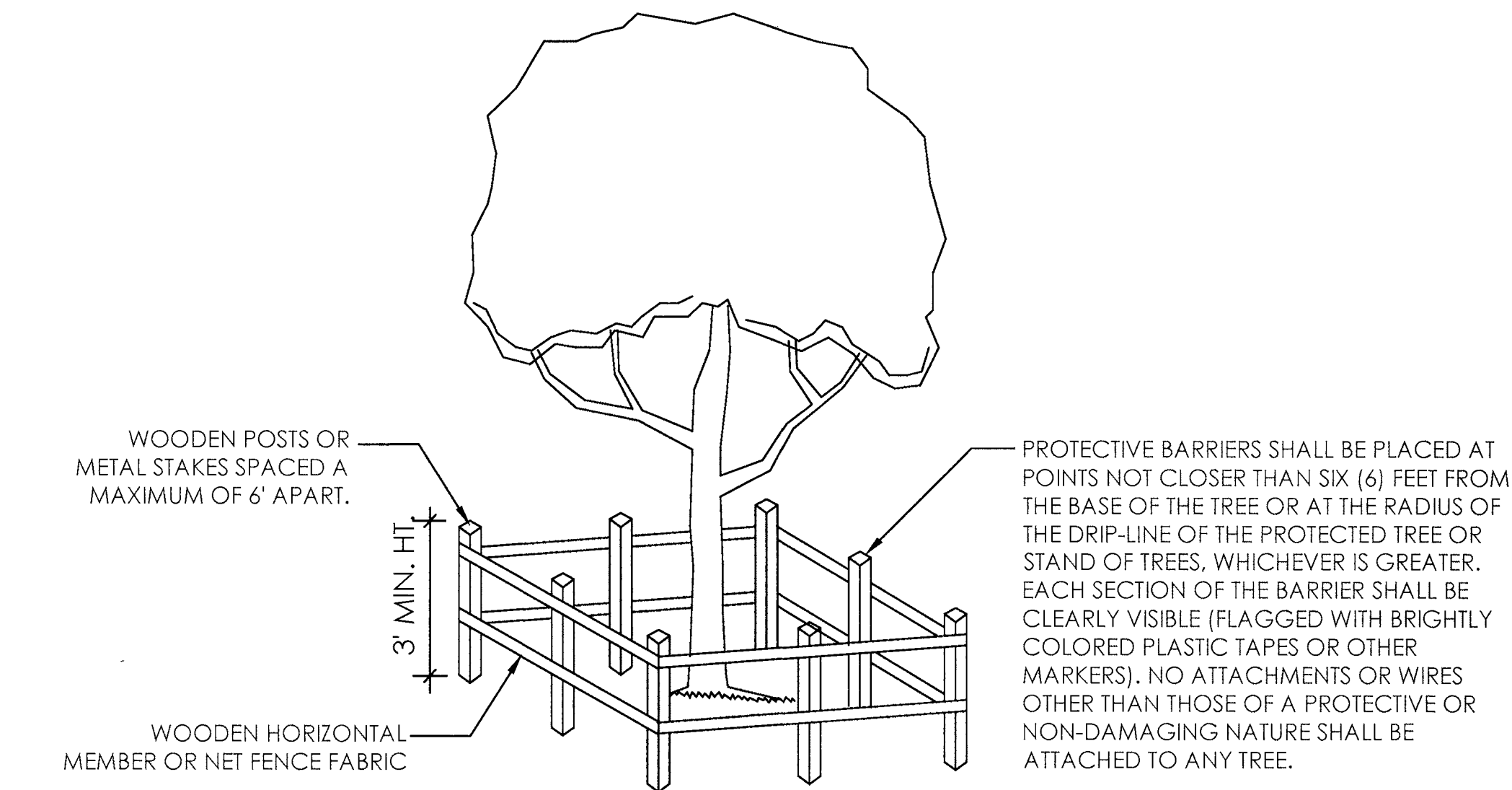


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TREE PROTECTION DETAIL



ORANGE COUNTY TREE PRESERVATION NOTE:

ANY TREES DESIGNATED TO BE PRESERVED ON THIS PLAN BUT THAT ARE SUBSEQUENTLY REMOVED, SHALL BE CONSIDERED A VIOLATION PER SEC. 15-281(E) AND AS SUCH SHALL BE REPLACED IN INCHES ON SITE AT A 2:1 RATIO FOR NON-SPECIMEN TREES AND AT A RATIO OF 4:1 FOR SPECIMEN TREES. AS AN ALTERNATIVE, THE VIOLATION MAY BE SATISFIED VIA PAYMENT INTO THE COUNTY TREE FUND AT A RATE OF \$206.00 PER INCH RESPECTIVELY, OR BY SOME COMBINATION OF PLANTING OR PAYMENT. IN ALL CIRCUMSTANCES HOWEVER, MITIGATION SHALL BE SATISFIED PRIOR TO RELEASE OF ZONING HOLD(S).

Clapp Simms Duda Road

ZONE 'A' TREE PRESERVATION & REMOVAL:
(PROTECTED TREES 8\"/>

- PROPOSED PRESERVATION:
(1) 5\"/>

- PROPOSED REMOVAL:
(1) 24\"/>

ZONE 'B' TREE PRESERVATION & REMOVAL:
(PROTECTED TREES 10\"/>

- PROPOSED PRESERVATION:
(1) 27\"/>

ZONE 'C' TREE PRESERVATION & REMOVAL:
(PROTECTED TREES 24\"/>

- PROPOSED PRESERVATION:
(1) 19\"/>

- PROPOSED REMOVAL:
0 TREES TO BE REMOVED IN ZONE 'C'

*OFF-SITE TREE REMOVAL:

- PROPOSED REMOVAL:
(1) 32\"/>

ON-SITE TREE REPLACEMENT CALCULATIONS

(PER REQUIRED REPLACEMENT OF PROTECTED TREE SIZES IN EACH TREE ZONE)

TREE PRESERVATION	
TOTAL SPECIMEN TREE INCHES TO BE PRESERVED:	647"
TOTAL SPECIMEN TREE INCHES CREDIT (2:1 CREDIT):	1,294"

TOTAL NON-SPECIMEN TREE INCHES TO BE PRESERVED:	186"
TOTAL NON-SPECIMEN TREE INCHES CREDIT (1:1 CREDIT):	186"

TOTAL TREE PRESERVATION CREDIT INCHES:	1,480"
--	--------

TREE REMOVAL	
TOTAL SPECIMEN TREE INCHES TO BE REMOVED:	337"
TOTAL SPECIMEN TREE INCHES REQUIRED (2:1 REPLACEMENT):	674"

TOTAL NON-SPECIMEN TREE INCHES TO BE REMOVED:	24"
TOTAL NON-SPECIMEN TREE INCHES REQUIRED (1:1 REPLACEMENT):	24"

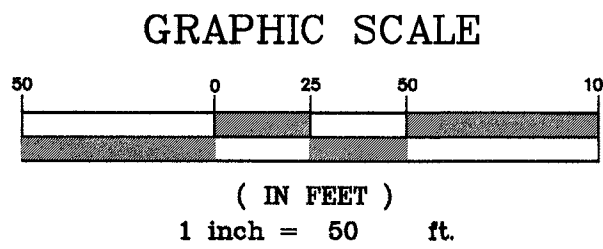
TOTAL REQUIRED REPLACEMENT INCHES:	698"
------------------------------------	------

ON-SITE TREE MITIGATION:

TOTAL EXISTING TREE CREDIT INCHES (ON-SITE):	1,480"
TOTAL REQUIRED REPLACEMENT INCHES (ON-SITE):	698"
PROPOSED TREE INCHES TO BE PLANTED:	57"
REMAINING TREE CREDIT INCHES:	839" (NO DEFICIT)

*NOTE: PROPOSED OFF-SITE TREE REMOVALS DO NOT REQUIRE MITIGATION PAYMENT PER ORANGE COUNTY LDC SEC. 15-279(a)(1)

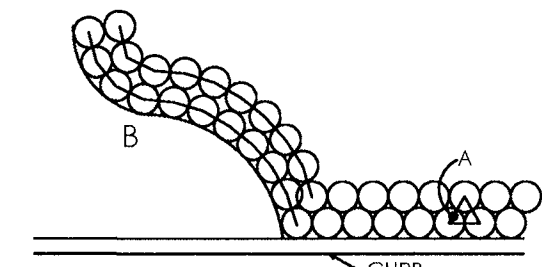
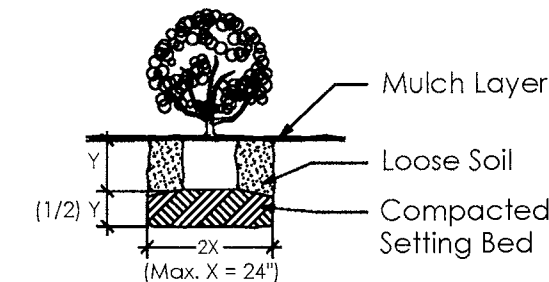
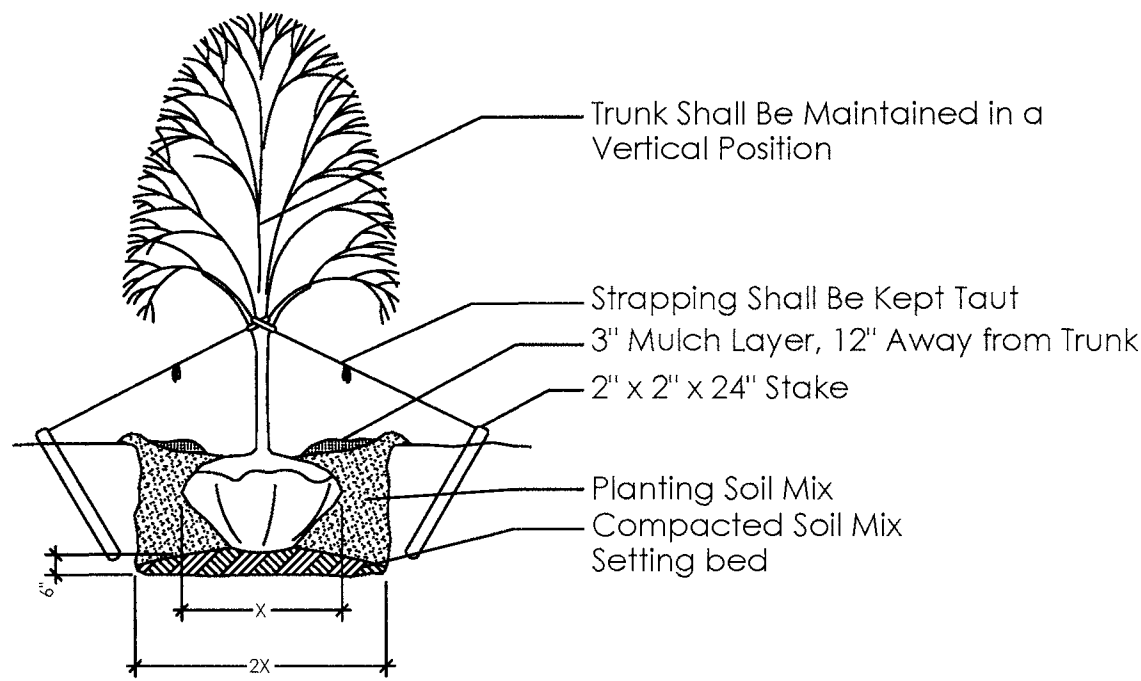
TREE REMOVAL PLAN



7/14/21

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PLANTING DETAILS



- A Shrubs & groundcovers adjacent to straight edges shall be triangular spaced in rows parallel to the straight edge.
- B Shrubs & groundcovers adjacent to curved edges shall be planted in rows parallel to the curved edge.

NORTHERN V.U.A. LANDSCAPE BUFFER (~155.5 LN. FT. EXCLUDING DRIVEWAYS):
REQUIRED: 6 UNDERSTORY TREES (1 PER 25 LN. FT.) WITH 30" HT. CONTINUOUS HEDGE & GROUND COVER WITHIN 7 FT. WIDTH LANDSCAPE STRIP (NO SOD PERMITTED)
PROVIDED: 6 UNDERSTORY TREES WITH 30" HT. CONTINUOUS HEDGE & GROUND COVER WITHIN 7 FT. WIDTH LANDSCAPE STRIP (NO SOD PROPOSED)

WESTERN LANDSCAPE BUFFER, ~200 LN. FT.:
(EXCLUDES TRANSMISSION LINE BLOWOUT AREA)
REQUIRED: 8 UNDERSTORY TREES (1 PER 25 LN. FT.)
PROVIDED: 8 UNDERSTORY TREES (1 PER 15 LN. FT.)
TO AVOID EXISTING TREE ROOTS ZONES OF EXISTING TREES ON ADJACENT PROPERTY)

Clapp Simms Duda Road

UNDERSTORY TREES PROPOSED DUE TO PROXIMITY TO OVERHEAD POWERLINES (TYP)

PROPOSED O.U.C. SPLIT OAK SUBSTATION

EASTERN LANDSCAPE BUFFER, ~535 LN. FT. (EXCLUDES FUTURE TRANSMISSION LINE AREA)
REQUIRED: 1 CANOPY TREE PER 40 LN. FT. OR 1 UNDERSTORY TREE PER 25 LN. FT.
PROVIDED: 9 PROPOSED UNDERSTORY TREES + 6 EXISTING LIVE OAKS (8 TREE CREDITS)

PROPOSED LIMITED-USE WITH RESTRICTIONS/IRIGATION WELL (DESIGNED, PERMITTED AND CONSTRUCTED BY PATTERSON WELL DRILLING CO. SHOWN FOR REFERENCE ONLY)

PROPOSED 8" PERIMETER WALL (REFER TO STRUCTURAL PLANS FOR DETAILS)

PROPOSED 6" CHAINLINK FENCE

PROPOSED 6" CHAINLINK FENCE

PROPOSED 6" CHAINLINK FENCE

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PROPOSED 6" CHAINLINK FENCE

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PROPOSED 6" CHAINLINK FENCE

PROPOSED 6" CHAINLINK FENCE

PLANT MATERIALS LEGEND

SYMBOL	KEY	QNTY.	COMMON/BOTANICAL NAME	SPECIFICATIONS/DESCRIPTION	WATER ZONE
	TD	5	Bald Cypress <i>Taxodium distichum</i>	3" Min. Cal., 10' Min. Ht.	Low
	IV	12	Upright Yaupon Holly <i>Ilex vomitoria 'Pride of Houston'</i>	2" Total Cal., 7' Min. Ht., Multi-Trunk	Low
	MC	3	Wax Myrtles <i>Myrica cerifera</i>	2" Total Cal., 7' Min. Ht., Multi-Trunk	Low
	IC	8	Oakleaf Holly <i>Ilex x 'Conaf'</i>	1 1/2" Total Cal., 7' Min. Ht.	Low
	PM1	245	Podocarpus <i>Podocarpus macrophyllus</i>	48" Min. Ht., 15 Gal., 30" O.C.	Medium
	PM2	79	Podocarpus <i>Podocarpus macrophyllus</i>	30" Min. Ht., 7 Gal., 24" O.C.	Medium
	SB	148	Sand Cordgrass <i>Spartina bakeri</i>	Full, 1 Gal., 24" O.C.	Low
	SOD	TBD	Bahia Sod <i>Paspalum notatum 'Argentina'</i>	Solid Sod, Free of Noxious Weeds Repair All Disturbed Areas	
	MULCH	TBD	Pine Bark Mulch	3" Minimum Depth, All Planting Areas Mulch To Be Installed 12" - 18" Away From Trunk of Trees	

LANDSCAPE GENERAL NOTES

- The Landscape Contractor shall insure that this work does not interrupt established or projected drainage patterns. The Landscape Contractor shall insure adequate vertical drainage in all plant beds and planters. Vertical drilling through any compacted fill to native soil shall be accomplished to insure drainage.
- The Landscape Contractor shall be responsible for all materials and all work as called for on the landscape plans and in the landscape specifications. The list of plant quantities accompanying the plans shall be used as a guide only. Contractor shall verify all quantities and report any discrepancies at the time of bidding.
- All plant materials shall be graded Florida No. 1 or better, as outlined under Grades and Standards for Nursery Plants, Division of Plant Industry, State of Florida, unless otherwise noted.
- All plant beds and tree rings shall be top dressed with a 3" minimum depth of pine bark nuggets.
- The Landscape Contractor shall be wholly responsible for stability and plumb condition of all trees and shrubs. Staking of trees or shrubs, if desired or requested by the Landscape Architect or owner, shall be done utilizing a method agreed upon by the Landscape Architect.
- The Landscape Contractor is responsible for testing project soils. The Landscape Contractor is to provide a certified soils report to the Owner and Landscape Architect. The Landscape Contractor shall verify that the soils on site are acceptable for proper growth of the proposed plant material. Should the Landscape Contractor find poor soil conditions, the Owner and Landscape Architect must be consulted prior to planting.
- All grades, dimensions and existing conditions shall be verified by the Contractor on site before construction begins. Any discrepancies shall be brought to the attention of the Landscape Architect.
- The Landscape Contractor shall review architectural/engineering plans to become thoroughly familiar with surface and subsurface utilities.
- The Landscape Contractor shall coordinate with the lighting and irrigation contractors regarding the timing of the installation of plant material.
- Every possible safeguard shall be taken to protect building surfaces, equipment and furnishings. Landscape Contractor shall be responsible for any damage or injury to person or property which may occur as a result of his negligence in the execution of work.

LITTORAL PLANTING AREA LEGEND

SYMBOL	KEY	QNTY.	COMMON/BOTANICAL NAME	SPECIFICATIONS/DESCRIPTION	PLANTING RANGE
	SB	243	Sand Cordgrass <i>Spartina bakeri</i>	Full, 1 Gal., 24" O.C.	1' - 6' Dry Above Water Line
	PS	386	Smartweeds <i>Polygonum spp.</i>	Full, 4" Pot or 1-Gallon, 24" O.C.	6" Below Water Line, Up to 1' Dry
	PH	331	Maidencane <i>Panicum hemilomon</i>	Full, Bare Root, 24" O.C.	6" - 18" Below Water Line
	PC	710	Pickerelweed <i>Pontederia cordata</i>	Full, Bare Root, 24" O.C.	6" - 24" Below Water Line

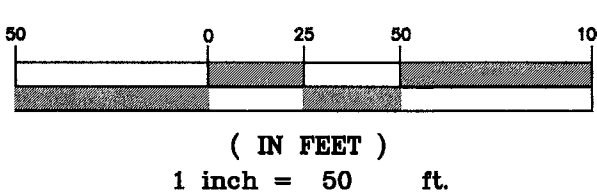
ORANGE COUNTY LANDSCAPE NOTES:

- Inspection Scheduling: To schedule a landscape inspection for all completed permits, use the "Fast track" application at <https://fasttrack.ocfl.net/publicportal/oc/index.jsp>, and request a code "270" landscape/zoning inspection. If having trouble scheduling please call the Building Safety Division at (407) 836-5550. All permits associated with the project that are complete and have a landscape or zoning hold should be entered in order for all landscape/zoning holds to be released upon satisfactory inspection. Inspections are conducted on Tuesdays and Fridays only and shall be scheduled no later than midnight on the night before those days in order to ensure that the inspection will take place.
- Any trees proposed to be preserved on this plan that are subsequently removed, shall be considered a violation, and as such shall be replaced in inches on site at a 2:1 ratio for non-specimen trees and at a ratio of 4:1 for specimen trees. As an alternative, the violation may be satisfied via payment into the county tree fund or by some combination of payment and onsite planting. The current fee, as may be amended by the Orange County BCC, is \$106.00 per inch. In all circumstances, mitigation must be satisfied prior to the release of landscape/zoning hold(s).
- Mulch Requirements: Mulch, per Sec. 24-6(B)(4), shall be organic and shall not be placed on top of the root ball or placed against the trunk. Mulch shall be applied a minimum of 12" to 18" from the trunk of any sized tree. Materials such as rock and shells that do not biodegrade, are not deemed acceptable. Failure to install mulch (and type of mulch) as provided in the specification above may result in a failed inspection. See [HTTP://FAS.UFL.EDU/WOODY/OVER-MULCHING.HTML](http://fas.ufl.edu/woody/over-mulching.html) for more information.
- All existing invasive exotic plants, as listed on the Florida Exotic Pest Plant Council's Invasive Species List shall be removed (any disturbance of wetland area requires compliance with Ch. 15 of the Orange County Land Development Code and review by the County's Environmental Protection Division).

ORANGE COUNTY IRRIGATION NOTES:

- The Irrigation System has been designed to be a permanent underground system.
- The Irrigation System shall be designed and installed to conform to Chapter 37, Sec. 601-613 of the Orange County Land Development Code. The Irrigation shall be in accordance with Sec. 24-6 and Sec. 24-7 of the Orange County Land Development Code.

GRAPHIC SCALE



LANDSCAPE PLAN



SCHWEIZER
BOJACK
LANDSCAPE
ARCHITECTURE

LANDSCAPE & IRRIGATION DESIGN
PO BOX 948883 • MAITLAND, FLORIDA 32794 • PH. (407) 376-1423
LICENSE NO. LC26000487 • DESIGN@SCHWEIZERBOJACK.COM

SPLIT OAK SUBSTATION
ORANGE COUNTY, FLORIDA

7/14/21
1/13/21
12/17/20
2/12/20
SHEET NUMBER
L-2

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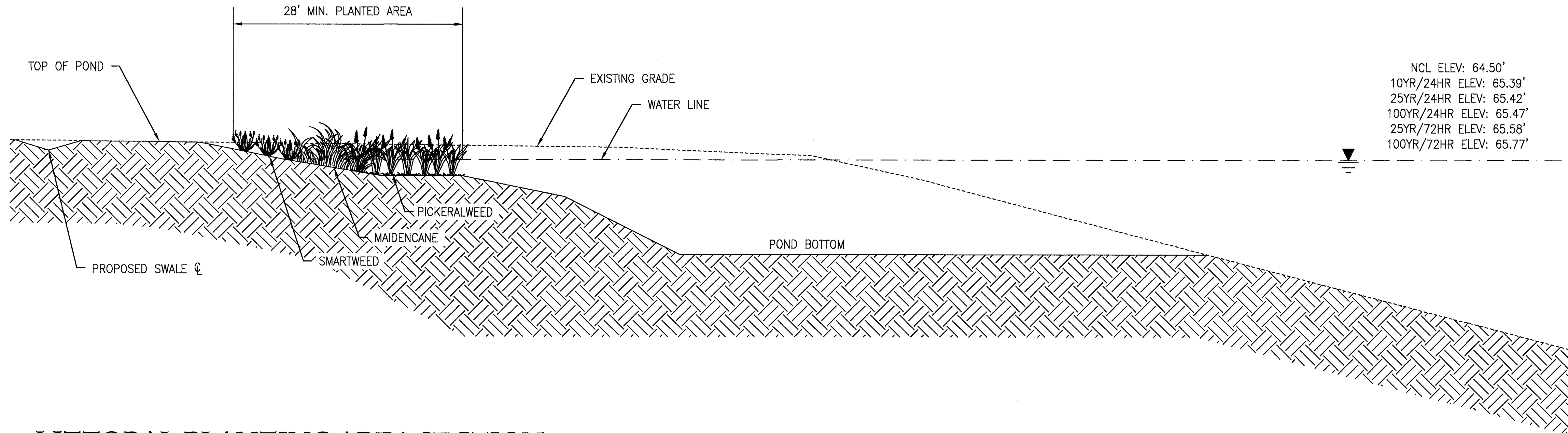


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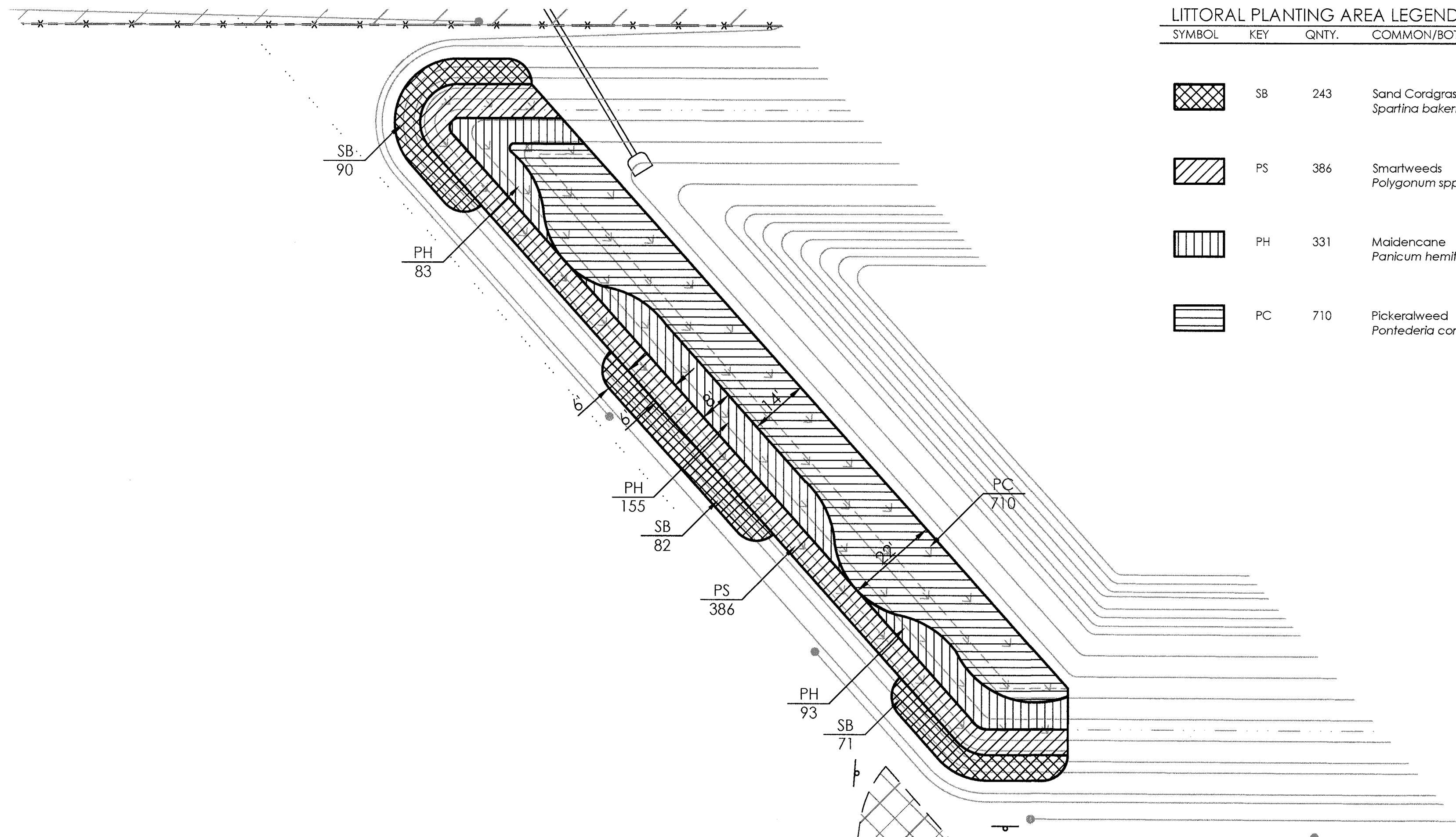
SPLIT OAK SUBSTATION
ORANGE COUNTY, FLORIDA

3



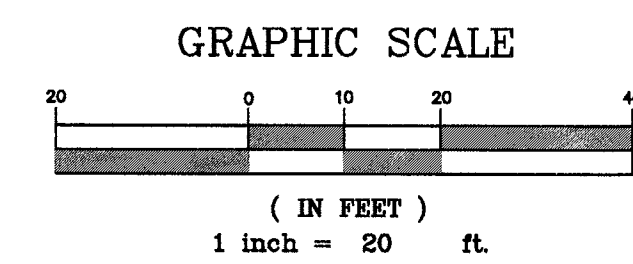
1 LITTORAL PLANTING AREA SECTION

N.T.S.



LITTORAL PLANTING AREA LEGEND

SYMBOL	KEY	QNTY.	COMMON/BOTANICAL NAME	SPECIFICATIONS/DESCRIPTION	PLANTING RANGE
	SB	243	Sand Cordgrass <i>Spartina bakeri</i>	Full, 1 Gal., 24" O.C.	1' - 6' Dry Above Water Line
	PS	386	Smartweeds <i>Polygonum spp.</i>	Full, 4" Pot or 1-Gallon, 24" O.C.	6" Below Water Line, Up to 1' Dry
	PH	331	Maidencane <i>Panicum hemilton</i>	Full, Bare Root, 24" O.C.	6" - 18" Below Water Line
	PC	710	Pickeralweed <i>Pontederia cordata</i>	Full, Bare Root, 24" O.C.	6" - 24" Below Water Line



2 ENLARGED LITTORAL PLANTING AREA

SCALE = 1:20

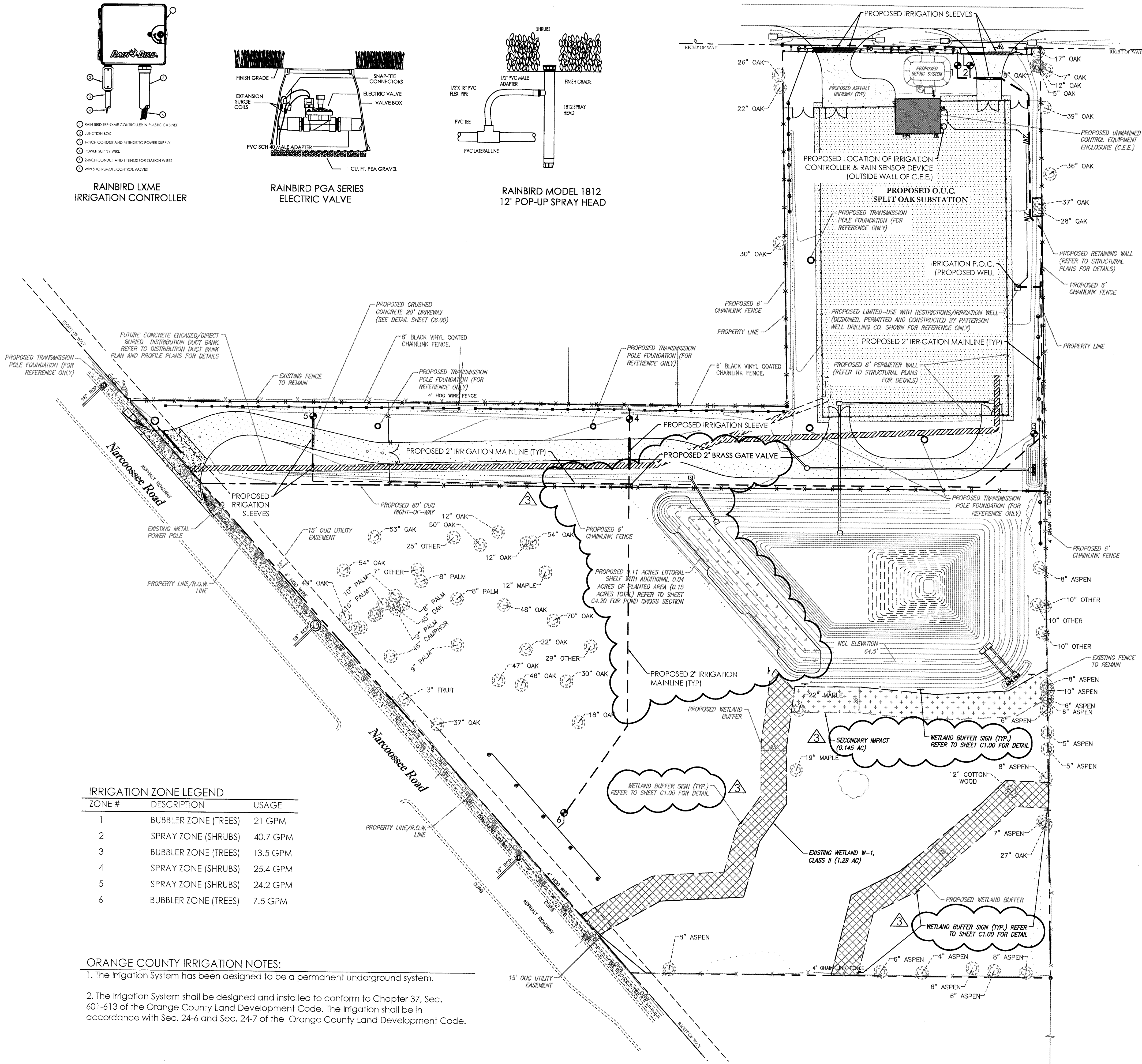
LITTORAL PLANTING AREA DETAILS

7/14/21

7/14/21
1/13/21
12/17/20
2/12/20
SHEET NUMBER
L-3

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IRRIGATION DETAILS



IRRIGATION ZONE LEGEND		
ZONE #	DESCRIPTION	USAGE
1	BUBBLER ZONE (TREES)	21 GPM
2	SPRAY ZONE (SHRUBS)	40.7 GPM
3	BUBBLER ZONE (TREES)	13.5 GPM
4	SPRAY ZONE (SHRUBS)	25.4 GPM
5	SPRAY ZONE (SHRUBS)	24.2 GPM
6	BUBBLER ZONE (TREES)	7.5 GPM

ORANGE COUNTY IRRIGATION NOTES:

1. The Irrigation System has been designed to be a permanent underground system.

2. The Irrigation System shall be designed and installed to conform to Chapter 37, Sec. 601-613 of the Orange County Land Development Code. The Irrigation shall be in accordance with Sec. 24-6 and Sec. 24-7 of the Orange County Land Development Code.

Clapp Simms Duda Road

IRRIGATION EQUIPMENT LEGEND

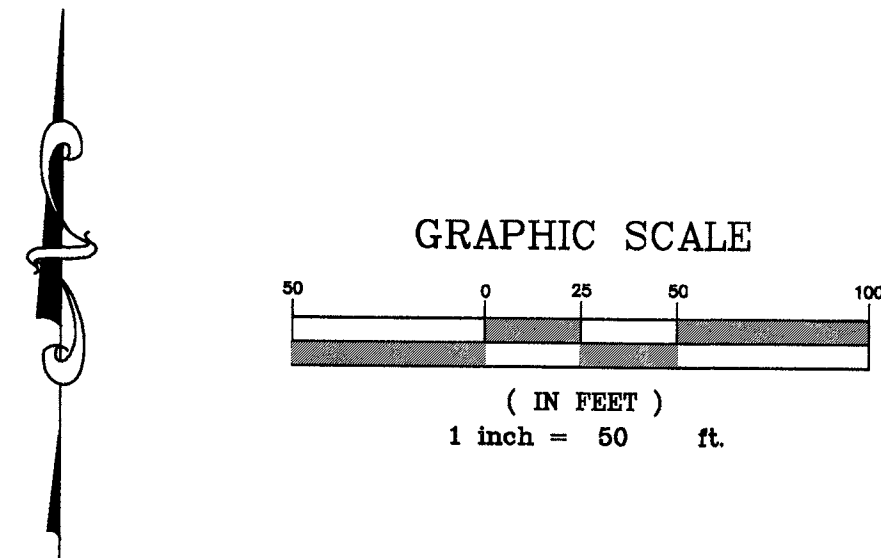
SYMBOL	SPECIFICATIONS/DESCRIPTION
⊙	IRRIGATION CONTROLLER & RAIN CHECK DEVICE: RAINBIRD ESP-LMXE (4 STATION) OUTDOOR MODULAR CONTROLLER INSTALLED ON EASTERN WALL OF C.E.E. WITH A MINI-CLIK II RAIN SENSOR GROUND WITH A MINIMUM OF 8' COPPER CLAD ROD.
●	RAINBIRD 1" PGA ELECTRIC VALVE INSTALLED IN AN AMETEK 10" VALVE BOX (NOTE: RAINBIRD 1.5" PGA ELECTRIC VALVE TO BE INSTALLED FOR IRRIGATION ZONE #2)
✕	2" BRASS GATE VALVE INSTALLED IN A RECTANGULAR VALVE BOX
⊗	RAINBIRD BUBBLER (INSTALLED USING A 1/2" FLEX PIPE WITH A MINIMUM OF 12" LENGTH)
•	RAINBIRD 1812-PRS 12" POP-UP SPRAY HEADS WITH 15-H NOZZLES
▪	RAINBIRD 1812-PRS 12" POP-UP SPRAY HEADS WITH 15-SST NOZZLES
---	2" IRRIGATION MAINLINE (CLASS 200 PVC)
----	IRRIGATION LATERAL LINES (TO BE SIZED & INSTALLED BY IRRIGATION CONTRACTOR)
	SCH. 40 IRRIGATION SLEEVES (TO BE BURIED A MINIMUM OF 18" DEPTH AND SIZED TWO TIMES LARGER THAN THE PIPE SIZE).

IRRIGATION CLARIFICATIONS:

1. AVOID CONFLICT WITH EXISTING AND PROPOSED UNDERGROUND UTILITIES AND EXISTING TREES DURING INSTALLATION OF THE PROPOSED IRRIGATION SYSTEM. FIELD ADJUST LAYOUT AS NECESSARY.
2. TREE BUBBLERS & SHRUB/GROUND COVER SPRAYS DESIGNED TO BE ON SEPARATE ZONES.

IRRIGATION GENERAL NOTES

1. THE IRRIGATION CONTRACTOR SHALL REFER TO THE LANDSCAPE PLAN WHEN TRENCHING TO LAY PIPE TO AVOID NEW AND EXISTING TREES AND LARGE SHRUBS.
2. ALL WIRING FROM THE IRRIGATION CONTROLLER TO THE REMOTE CONTROL VALVES SHALL BE UF-14/1 DIRECT BURIAL CABLE. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES ONLY USING RAINBIRD SNAP-TITE CONNECTORS AND SEALANT.
3. UNLESS OTHERWISE INDICATED, PIPE TO A SINGLE SPRAY HEAD SHALL BE 1/2" PVC CL-315 PIPING.
4. ALL MAINLINE PIPING SHALL BE BURIED TO HAVE A MINIMUM COVER OF 18 INCHES. ALL LATERAL PIPING DOWNSTREAM OF THE MAINLINE SHALL BE BURIED TO HAVE A MINIMUM COVER OF 12 INCHES.
5. THE IRRIGATION CONTRACTOR SHALL COORDINATE WITH THE OWNER OR ARCHITECT ON THE EXACT LOCATION OF THE IRRIGATION CONTROLLER.
6. THE IRRIGATION CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF WORK UNDER THIS CONTRACT.
7. ALL IRRIGATION INSTALLATION SHALL CONFORM TO LOCAL CODES AND REGULATIONS, INCLUDING OBTAINING REQUIRED PERMITS FROM THE FLORIDA HEALTH DEPARTMENT.
8. ALL PIPING ON THE PLANS IS DIAGRAMMATICALLY ROUTED FOR CLARITY AND SHALL BE ROUTED TO AVOID NEW AND EXISTING PLANTS. DESIGN MODIFICATIONS SHALL ONLY BE MADE AS NECESSARY TO MEET FIELD CONDITIONS AND ONLY UPON APPROVAL OF THE LANDSCAPE ARCHITECT.
9. THE IRRIGATION CONTRACTOR SHALL CHOOSE THE APPROPRIATE NOZZLES TO PROVIDE MAXIMUM COVERAGE. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ADJUSTMENT OF THE SPRINKLERS ARC AND RADIUS TO ASSURE 100 PERCENT COVERAGE.
10. 115 VOLT, SINGLE PHASE ELECTRICAL POWER IS REQUIRED TO OPERATE THE IRRIGATION CONTROLLER. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF THE POWER WITH THE OWNER OR OWNER'S REPRESENTATIVE. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO SEE THAT THE CONTROLLER IS WIRED IN ACCORDANCE WITH ALL ELECTRICAL CODES BY A LICENSED ELECTRICIAN. ALL MATERIALS NECESSARY TO WIRE THE CONTROLLER SHALL BE FURNISHED BY THE IRRIGATION CONTRACTOR.
11. ALL LANDSCAPE IRRIGATION SYSTEMS SHALL BE LOW-VOLUME. A LOW-VOLUME IRRIGATION SYSTEM IS DESIGNED TO PROVIDE NO MORE THAN THE MINIMUM AMOUNT OF WATER REQUIRED BY ANY SPECIFIC LANDSCAPE MATERIAL TO ENSURE SURVIVAL OF THAT MATERIAL. SUCH A SYSTEM UTILIZES A COMBINATION OF SPRINKLER MECHANISMS AND ZONES TO ACCOMMODATE THE INDIVIDUAL IRRIGATION REQUIREMENTS OF EACH TYPE OF LANDSCAPE MATERIAL, INCLUDING TREES, SHRUBS, ORNAMENTALS AND TURF AREAS.
12. ALL UNDERGROUND IRRIGATION SYSTEMS SHALL BE REGULATED BY AN AUTOMATIC TIMER OR CONTROLLER.
13. LOW TRAJECTORY HEADS OR LOW-VOLUME WATER DISTRIBUTING DEVICES SHALL BE USED TO IRRIGATE CONFINED AREAS IN ORDER TO PREVENT OVERSPRAY ONTO IMPERVIOUS AREAS.
14. AUTOMATICALLY CONTROLLED IRRIGATION SYSTEMS SHALL BE OPERATED BY AN IRRIGATION CONTROLLER THAT IS CAPABLE OF IRRIGATING HIGH REQUIREMENT AREAS.



IRRIGATION PLAN



SCHWEIZER
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LANDSCAPE & IRRIGATION DESIGN
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SPLIT OAK SUBSTATION
ORANGE COUNTY, FLORIDA

7/14/21
1/13/21
12/17/20
2/12/20
SHEET NUMBER
L-4