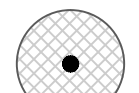




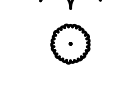








LEGEND

-  EXISTING TREES TO REMAIN
-  (BN) RIVER BIRCH
-  (CC) EASTERN REDBUD
-  (IAE) EAST PALATKA HOLLY
-  (JS) SOUTHERN RED CEDAR
-  (MC) WAX MYRTLE
-  (PP) LONGLEAF PINE
-  (QS) SHUMARD OAK
-  (QV) LIVE OAK
-  (TD) BALD CYPRESS
-  (UA) WINGED ELM
-  (VOS) WALTER'S VIBURNUM

GENERAL NOTES

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM PLANTING BEDS AND SOD AREAS PRIOR TO LANDSCAPE INSTALLATION. IF ENCOUNTERED DURING CONSTRUCTION OR INSTALLATION, THESE SHALL BE EXCAVATED AND REMOVED FROM THE SITE. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3". IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 6.0 - 7.5.

ALL LANDSCAPED AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH. PINE BARK MULCH SHALL BE USED IN ALL AREAS, EXCEPT RETENTION AREAS. PINE STRAW MULCH SHALL BE USED IN RETENTION AREAS.

NEW TREES OUTSIDE OF MULCHED LANDSCAPED BEDS WILL BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBING.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES SHALL NOT BE TOPPED OR PRUNED. TREES WILL BE STAKED AS NEEDED. GUYLINES WILL BE OF NON-SYNTHETIC BIODEGRADABLE MATERIAL.

AN INSPECTION OF TREES AND TREE BARRICADES IS REQUIRED BY ALACHUA COUNTY FORESTER/LANDSCAPING INSPECTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTACT ARBORIST STAFF AT 352-374-5243 EXT. 3503. REFER TO CIVIL PLANS FOR TREE BARRICADE DETAILS AND INFORMATION.

NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL THE COUNTY HAS GRANTED FINAL APPROVAL AND ACCEPTANCE OF THE INSTALLED LANDSCAPING AS WELL AS THE PROTECTION OF EXISTING NATIVE VEGETATION SHOWN TO REMAIN ON THE DRC APPROVED PLAN. FINAL APPROVAL SHALL INCLUDE AN AS-BUILT LANDSCAPE PLAN CERTIFICATION FROM A REGISTERED LANDSCAPE ARCHITECT CERTIFYING THAT THE LANDSCAPE IS INSTALLED AND FUNCTIONING AS INTENDED AND THAT DISCOURAGED NON-NATIVE VEGETATION HAS BEEN REMOVED.

INVASIVE EXOTIC PLANT MATERIAL

ALL INVASIVE PLANT SPECIES TO BE REMOVED FROM SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

PLANT MATERIAL

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE, DIVISION OF PLANT INDUSTRY'S 'GRADES AND STANDARDS FOR NURSERY PLANTS', CURRENT EDITION AT THE TIME PLANS ARE ISSUED.

GRASSING

ALL DISTURBED AND UNPAVED AREAS, INCLUDING THE ADJACENT RIGHT OF WAY, TO BE GRASSED WITH SOD FREE OF NOXIOUS WEEDS AND TROPICAL SODA APPLE OR SEEDED AND MULCHED, UNLESS OTHERWISE NOTED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

TREE MITIGATION

SEE SHEET LS-26 FOR ALL TREE MITIGATION CALCULATIONS AND A LIST OF ALL TREES TO BE IMPACTED OR REMOVED.

IRRIGATION NOTES

A TEMPORARY OR PERMANENT AUTOMATIC IRRIGATION SYSTEM IS REQUIRED FOR ALL NEW REQUIRED LANDSCAPING INSTALLED [407.46(A)]. TEMPORARY IRRIGATION SYSTEMS MUST BE REMOVED ONCE THE PLANTS ARE ESTABLISHED OR WITHIN ONE YEAR, WHICHEVER OCCURS FIRST. PRIOR TO THE INSTALLATION OF A NEW PERMANENT IRRIGATION SYSTEM OR SUBSTANTIAL MODIFICATION TO AN EXISTING SYSTEM, AN IRRIGATION PLAN MUST BE SUBMITTED TO AND APPROVED BY THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT THROUGH CITIZENSERVE. THE IRRIGATION SYSTEM SHALL COMPLY WITH THE LANDSCAPE IRRIGATION DESIGN AND MAINTENANCE STANDARDS FOUND IN ARTICLE VI OF PART II, TITLE 7, CHAPTER 77 OF THE ALACHUA COUNTY CODE, WHICH, AMONG ADDITIONAL DESIGN STANDARDS, LIMIT IRRIGATION TO 50% OF THE PERMEABLE AREA. FOR MORE INFORMATION, VISIT THE IRRIGATION DESIGN STANDARDS WEBSITE OR CONTACT THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AT 352-264-6800.

ALL NEWLY PLANTED TREES SHALL HAVE INDIVIDUAL LOW FLOW OR MICRO-IRRIGATION SUPPLIES [407.46(A)3]. ALL IRRIGATION SYSTEMS ARE REQUIRED TO HAVE A FUNCTIONING RAINFALL SHUTOFF DEVICE SET TO ACTIVE EVEN DURING ESTABLISHMENT, PER [407.46(A)4].

LANDSCAPE BUFFER REQUIREMENTS (ULDC 407.43 (b) (SEE SHEET LS-27 FOR MORE INFORMATION))

LOCATION	LENGTH AND TYPE	LANDSCAPE REQUIRED	LANDSCAPE PROVIDED
(SITE PERIMETER BUFFER - NORTH AND WEST)	13,020 LIN. FT. (75' WIDE HIGH DENSITY BUFFER WITH SCREENING)	5 CANOPY TREES, 3 EVERGREEN TREES, 7 UNDERSTORY TREES, AND 60 SHRUBS PER 100 LIN. FT. = 651 CANOPY TREES, 391 EVERGREEN TREES, 911 UNDERSTORY TREES, AND 7,812 SHRUBS	EXISTING VEGETATION TO BE PRESERVED TO MEET THE BUFFER AND SCREENING REQUIREMENTS.
(SITE PERIMETER BUFFER - EAST ALONG 107TH)	2,250 LIN. FT. (75' WIDE HIGH DENSITY BUFFER WITH SCREENING)	5 CANOPY TREES, 3 EVERGREEN TREES, 7 UNDERSTORY TREES, AND 60 SHRUBS PER 100 LIN. FT. = 113 CANOPY TREES, 68 EVERGREEN TREES, 158 UNDERSTORY TREES, AND 1,350 SHRUBS	64 EXISTING TREES AND 49 CANOPY TREES, 68 EVERGREEN TREES, 158 UNDERSTORY TREES, 610 SHRUBS, AND FENCING
(SITE PERIMETER BUFFER - SOUTH AND EAST)	8,985 LIN. FT. (75' WIDE HIGH DENSITY BUFFER WITH SCREENING)	5 CANOPY TREES, 3 EVERGREEN TREES, 7 UNDERSTORY TREES, AND 60 SHRUBS PER 100 LIN. FT. = 449 CANOPY TREES, 270 EVERGREEN TREES, 629 UNDERSTORY TREES, AND 5,391 SHRUBS	450 CANOPY TREES, 270 EVERGREEN TREES, 629 UNDERSTORY TREES, 5,391 SHRUBS, AND FENCING

FINAL DEVELOPMENT REVIEW CHECKLIST

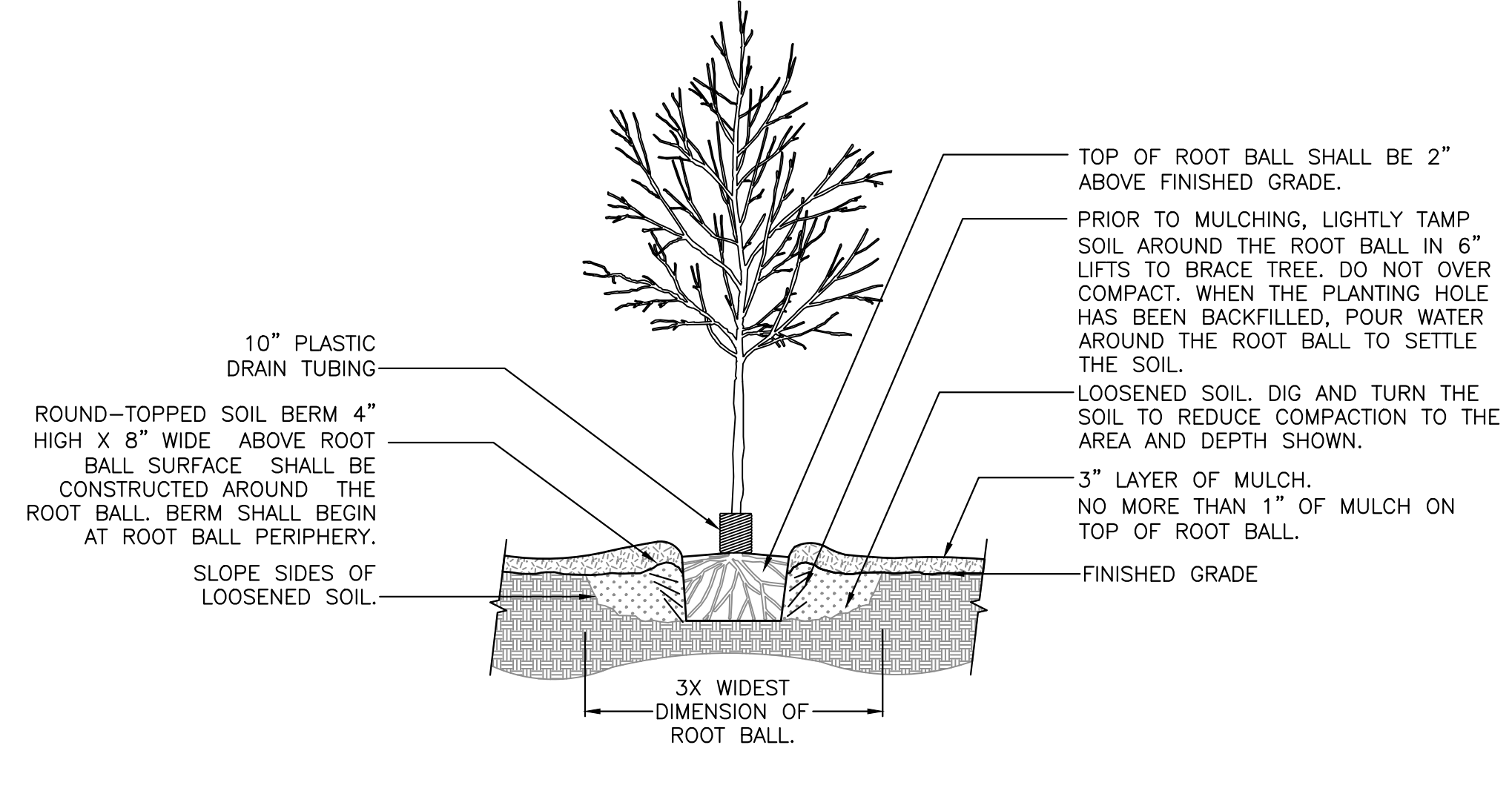
- XIII. LANDSCAPE PLAN, NOTES & CALCULATIONS**
- TREE PLANTING DETAIL
 - TREE PROTECTION DETAIL
 - LEGEND
 - GENERAL NOTES, MATERIAL, GRASSED AREAS, IRRIGATION
 - TREE CANOPY DATA & CALCULATIONS, INCLUDING:
 - 20% RETENTION OF THE EXISTING TREE CANOPY (ULDC 406.12 (c) 3)
 - 50% OF PARKING AREAS UNDER CANOPY @ 20 YRS (ULDC 407.43 (d) 3 h.)
 - 30% OF THE SITE UNDER CANOPY WITHIN 20 YEARS (ULDC 406.12 (c) 3)
 (NOTE: TREES WITHIN LOTS OR BUILDING FOOTPRINTS NOT INCLUDED IN CANOPY CALCULATIONS)
 - TABULAR LIST OF ALL REGULATED TREES INDICATING THE SPECIES OF TREE, THE DIAMETER AT BREAST HEIGHT, AND IF THE TREE WILL BE KEPT IN PLACE, RELOCATED, REMOVED, OR MITIGATED (ULDC 406.12 (c)2e) - (SUBMITTED AS "TREE AND NATIVE VEGETATION REPORT")
 - PROPOSED MITIGATION PLAN (SEE "TREE MITIGATION")
 - DEVELOPMENT PLAN SHEET REFERENCE MAP, IF APPLICABLE
- XIV. DETAILED LANDSCAPE PLAN (MAXIMUM SCALE 1"=50")**
- EXISTING TREE SIZE AND TYPE
 - LOCATION AND FIELD TAG NUMBER FOR EACH REGULATED TREE TO REMAIN UNDISTURBED DURING CONSTRUCTION (ULDC 406.12 (c) 2 d)
 - LOCATION OF TREES TO BE REMOVED
 - PROPOSED TREES AND SHRUBS: LOCATION, TYPE AND NUMBER
 - STORMWATER FACILITIES COMPLY WITH ULDC & MPO DESIGN AND LANDSCAPE REQUIREMENTS
 - BUFFERS & SCREENING MEET LANDSCAPE REQUIREMENTS OF PD, ACTIVITY CENTER, MASTER PLAN AND ULDC (ULDC 407.43)
 - SILT FENCE AND TREE BARRIER LOCATION (ULDC 406.12 (d))
 - SHOW PROPOSED FINAL GRADE & CONTOURS
 - SHOW LIGHTING AND UTILITIES TO IDENTIFY POTENTIAL CONFLICTS
 - LANDSCAPE TO BE PROVIDED FOR DRIVEWAY CONNECTIONS, OFFSITE
 - ROADWAY IMPROVEMENTS AND UTILITY EXTENSIONS

INITIAL CANOPY LOSS (ULDC 406.12 (a) 3)

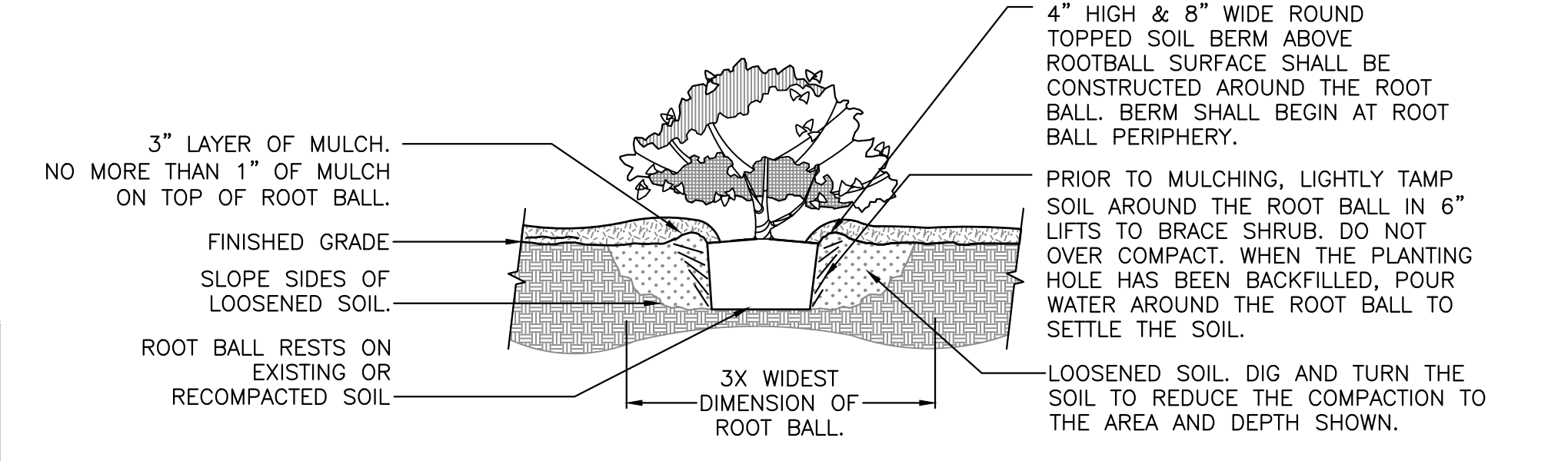
SEE SHEET C0.30, CANOPY PRESERVATION PLANS

PLANT SCHEDULE

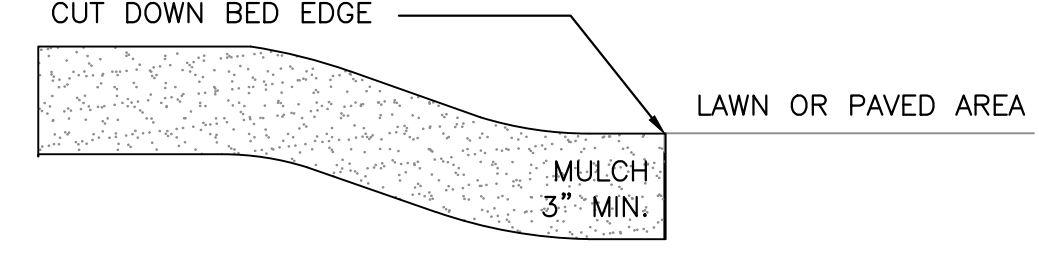
TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
BN	21	BETULA NIGRA 'DURA HEAT'	DURA HEAT RIVER BIRCH	7 GAL, 4' HT, 12" SPR, 3/4" CAL	
CC	88	CERCIS CANADENSIS	EASTERN REDBUD	7 GAL, 4' HT, 12" SPR, 3/4" CAL	
IAE	180	ILEX X ATTENUATA 'EAST PALATKA'	EAST PALATKA HOLLY	7 GAL, 4' HT., 12" SPR., 3/4" CAL	
JS	178	JUNIPERUS SILICICOLA	SOUTHERN RED CEDAR	30 GAL, 12' HT, 42" SPR, 2" CAL	
MC	382	MYRICA CERIFERA	WAX MYRTLE	7 GAL, 4' HT, 12" SPR, 3/4" CAL	
PP	412	PINUS PALUSTRIS	LONGLEAF PINE	7 GAL, 4' HT., 12" SPR., 3/4" CAL	
QS	31	QUERCUS SHUMARDII	SHUMARD RED OAK	7 GAL, 4' HT, 12" SPR, 3/4" CAL	
QV	57	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	7 GAL, 4' HT., 12" SPR., 3/4" CAL	
TD	54	TAXODIUM DISTICHUM	BALD CYPRESS	7 GAL, 4' HT, 12" SPR, 3/4" CAL	
UA	27	ULMUS ALATA	WINGED ELM	30 GAL, 12' HT, 54" SPR, 2" CAL	
VOW	317	VIBURNUM OBOVATUM	WALTER'S VIBURNUM	7 GAL, 4' HT, 12" SPR, 3/4" CAL	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	
IDB	3,237	ILEX CORNUATA 'DWARF BURFORDII'	DWARF BURFORD HOLLY	3 GAL, 24" HT, 16" SPR	
VD	719	VACCINIUM DARROWII	LOWBUSH BLUEBERRY	3 GAL., 16" HT. X 12" SPR.	
VO	3,014	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	3 GAL., 24" HT. X 12" SPR.	
VOS	598	VIBURNUM OBOVATUM 'MRS. SCHILLER'S DELIGHT'	MRS. SCHILLER'S DELIGHT VIBURNUM	3 GAL., 18" HT., 18" SPR.	
ZF	626	ZAMIA FLORIDANA	COONTIE	3 GAL., 15" HT X 15" HT.	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
MU	10,171	MULENBERGIA CAPILLARIS	PINK MUHLY	1 GAL., FULL	24" o.c.
SB	4,289	SPARTINA BAKERI	SAND CORD GRASS	1 GAL., FULL	42" o.c.
TG	1,595	TRIPSACUM DACTYLOIDES	FAKAHATCHEE GRASS	1 GAL., FULL	48" o.c.
SOD/SEED		BOTANICAL NAME	COMMON NAME	SIZE	
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD	



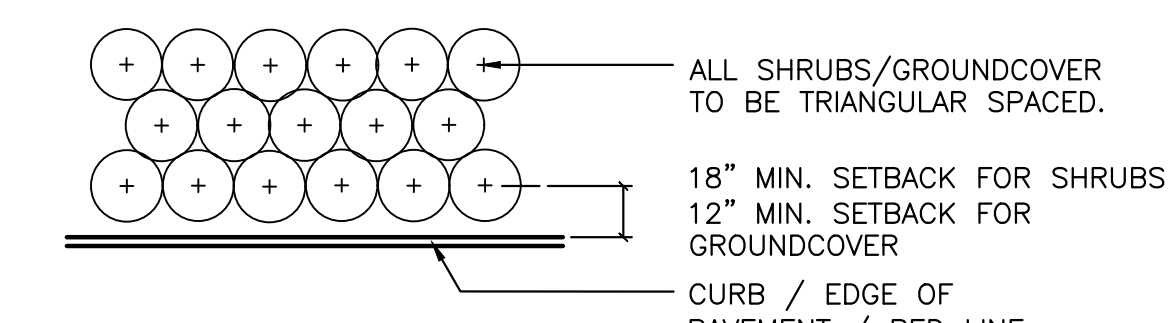
1 TREE PLANTING DETAIL
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2 SHRUB PLANTING DETAIL
SCALE: N.T.S.

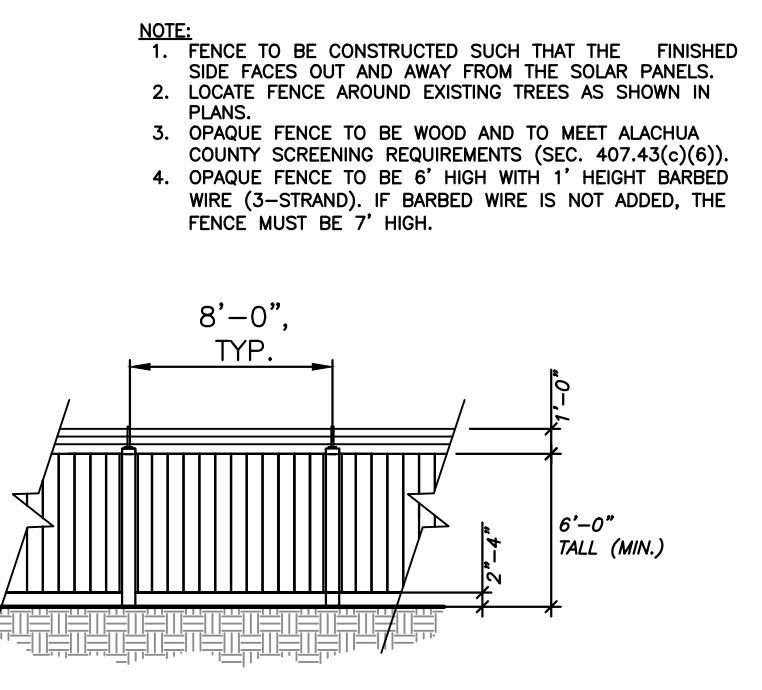


3 MULCH DETAIL
SCALE: N.T.S.



NOTE: THE PERIMETER OF ALL CURVED PLANTING BEDS SHALL BE PLANTED WITH A ROW OF SHRUBS AS SHOWN IN THE PLANS AND AT THE SPACING SHOWN IN THE PLANT LIST. INTERIOR PORTIONS OF EACH BED SHALL BE PLANTED AT APPROPRIATE SPACING ACCORDING TO THIS PLANT SPACING DETAIL.

4 SHRUB PLANTING DETAIL
SCALE: N.T.S.



5 OPAQUE FENCE DETAIL
SCALE: N.T.S.

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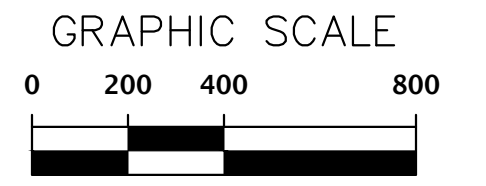
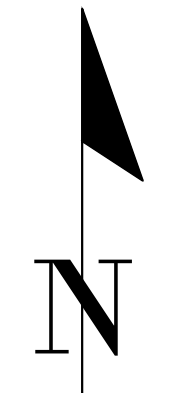
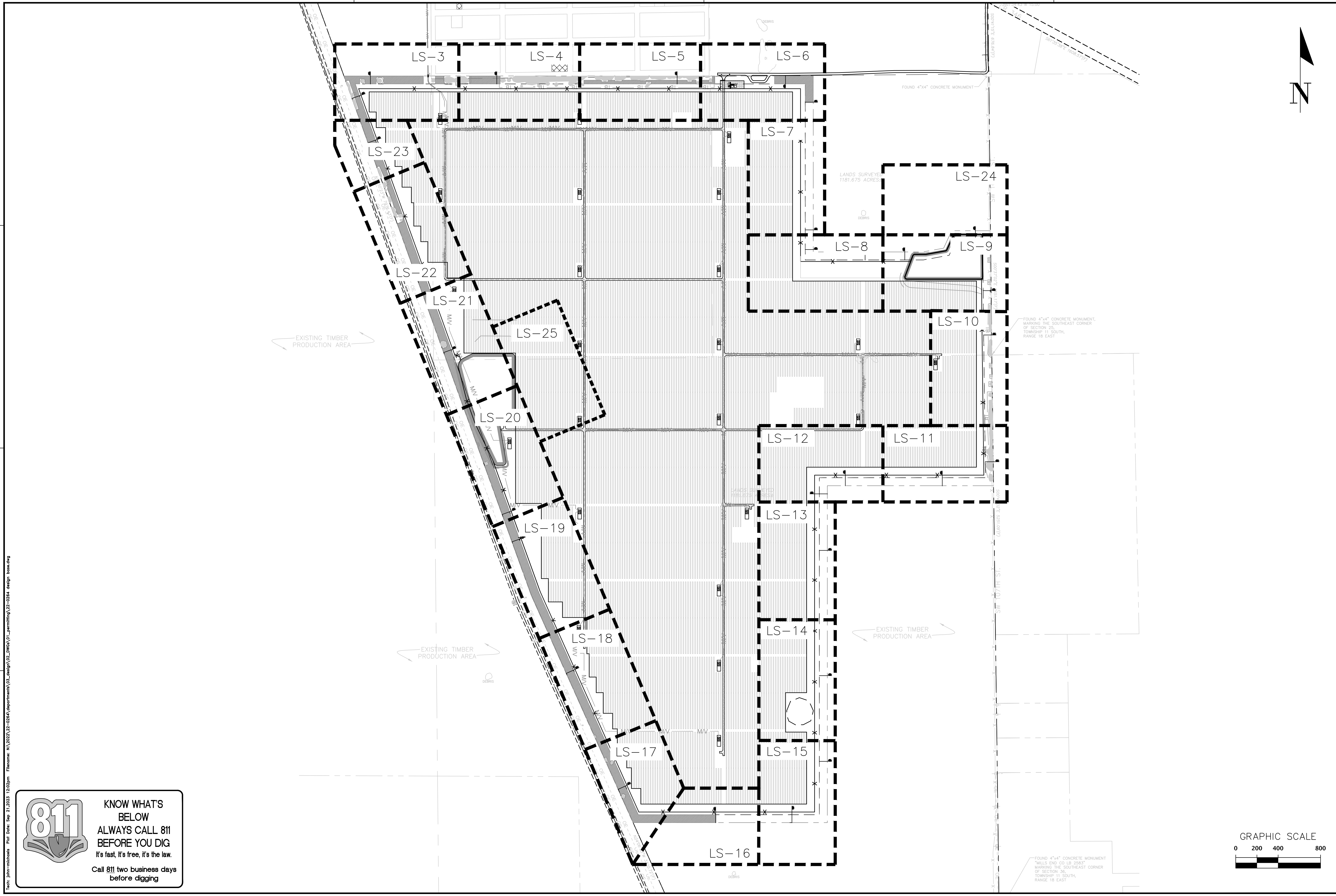
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BY: JMS
CHECKED: JMS
APPROVED: JMS

06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORIGIS ENERGY
PROJECT: ORIGIS ENERGY SOLAR FACILITY
SHEET TITLE: LANDSCAPE NOTES AND DETAILS
PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
JONATHAN MICHAEL BROWN
LA6667436
STATE OF FLORIDA

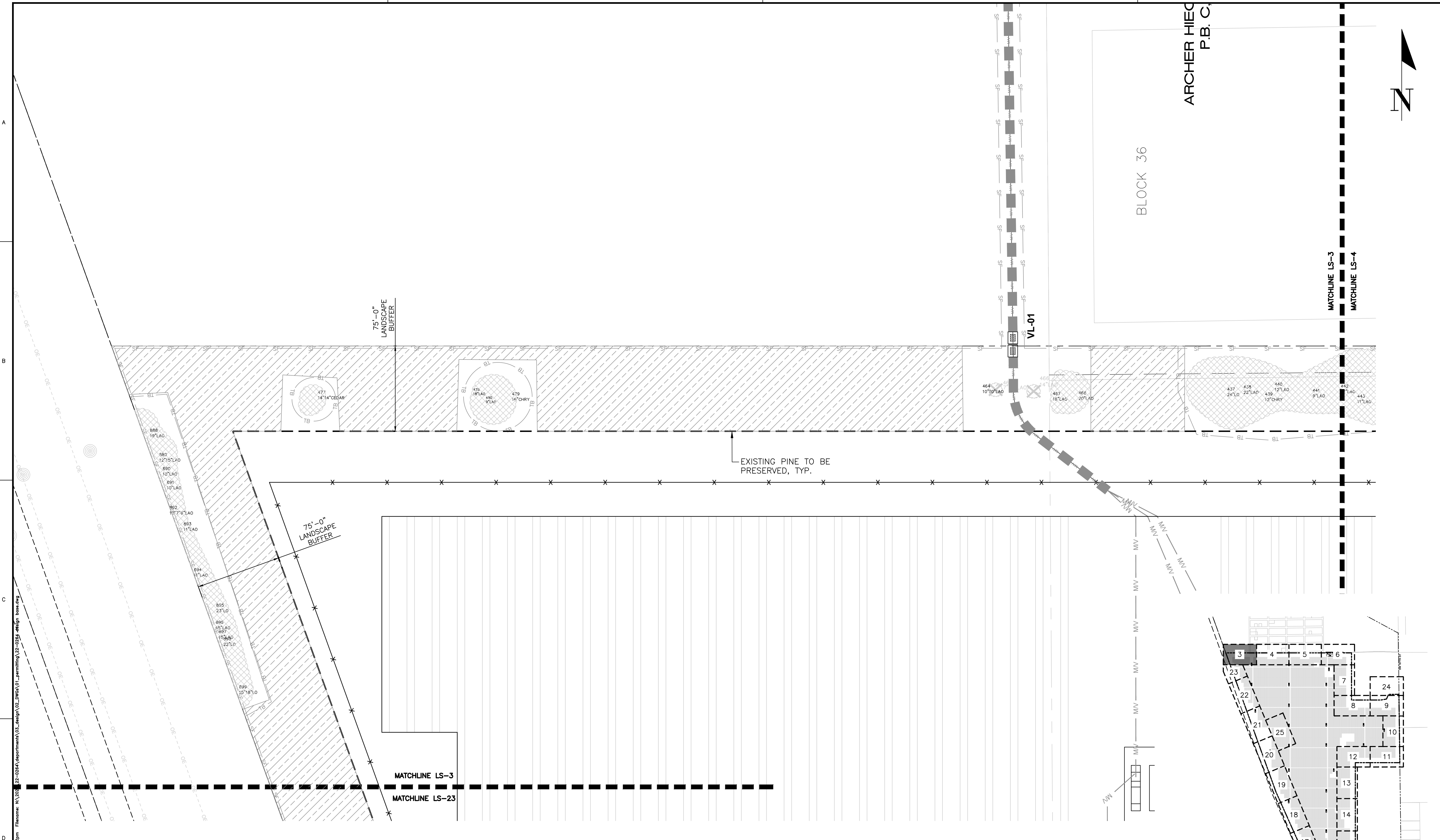
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SCALE: 1"=400' VERIFY SCALE BASED ON SCALE ON ORIGINAL DRAWING 0 MAY VARY SLIGHTLY THIS SHEET, ADJUST SCALES ACCORDINGLY.	CONSTRUCTION/REV. REVISIONS
SUBMITTALS: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY	CLIENT: ORGIS ENERGY PROJECT: ORGIS ENERGY SOLAR FACILITY SHEET TITLE: LANDSCAPE KEY SHEET
DESIGNER: JMS QUALITY CONTROL: JMS PROJECT NUMBER: 22-0264	REGISTERED LANDSCAPE ARCHITECT JONATHAN B. BIRNBAUM LA6667436 STATE OF FLORIDA
SHEET NO.: LS-2	

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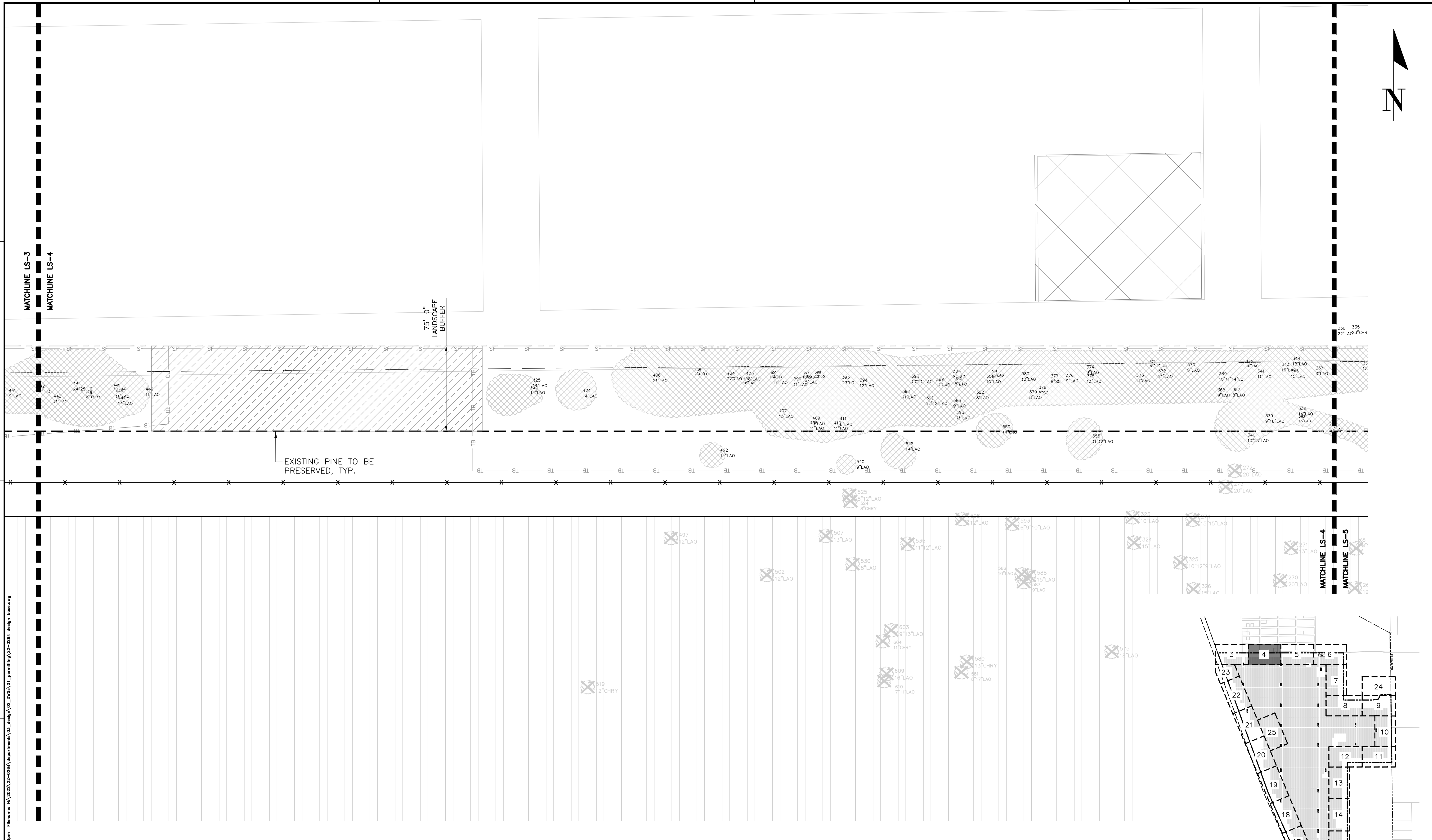
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09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY
PROJECT: ORGIS ENERGY SOLAR FACILITY
SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
CHECKER: JMS
PROJECT NUMBER: 22-0264

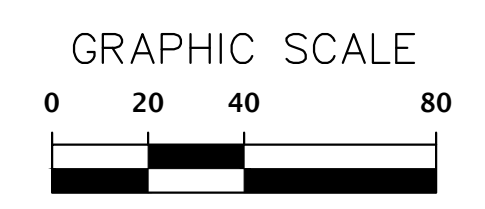
REGISTERED LANDSCAPE ARCHITECT
JONATHAN MICHAEL SIMMONS
LA6667436
STATE OF FLORIDA

SHEET NO.: LS-3



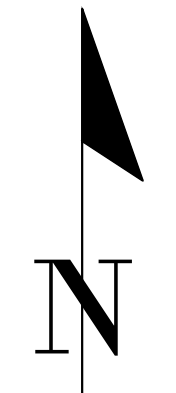
EXISTING PINE TO BE PRESERVED, TYP.

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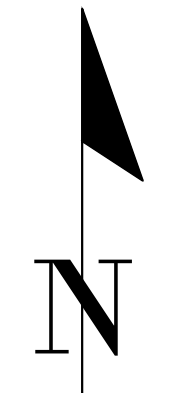
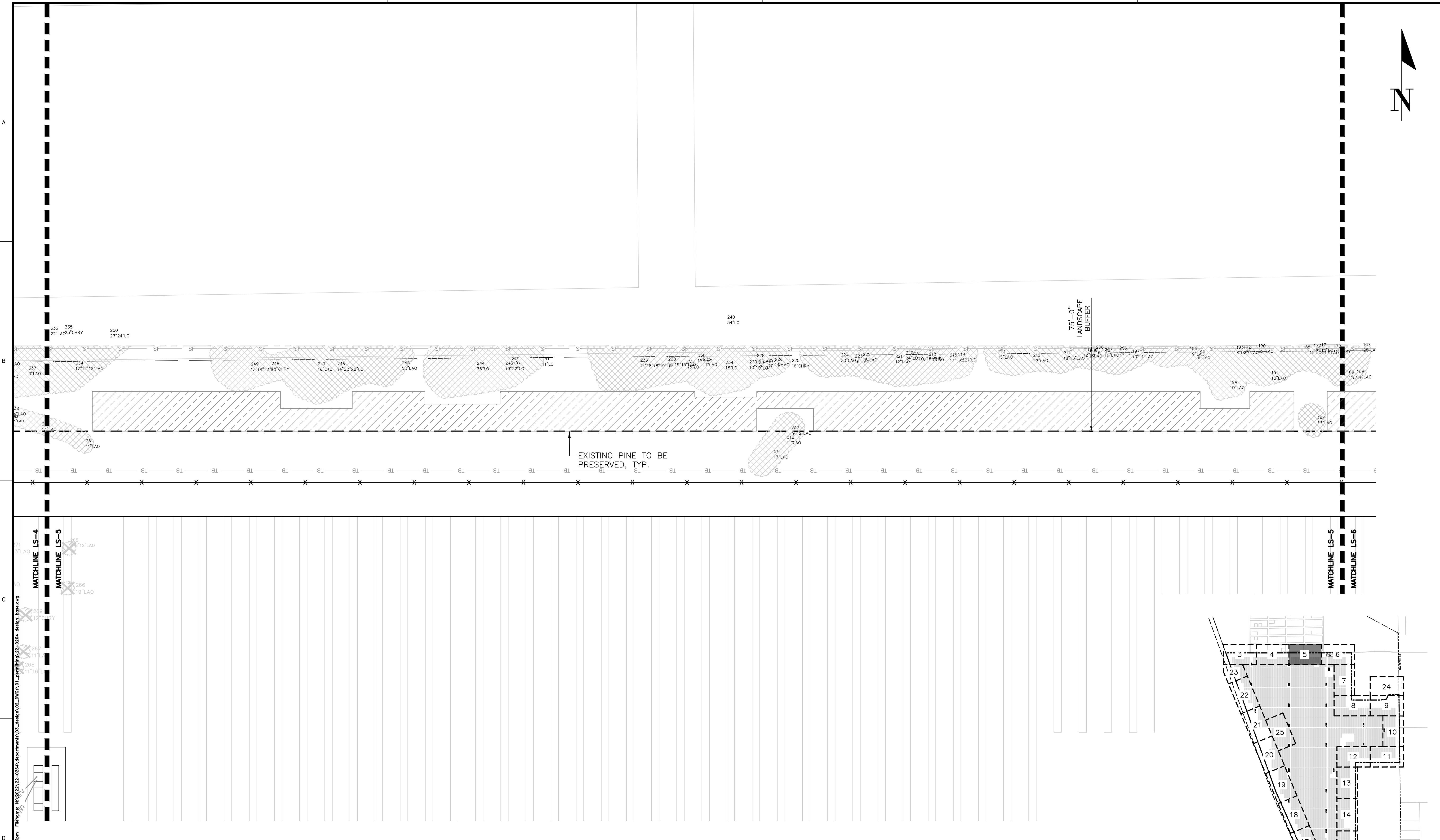
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 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORIGIS ENERGY
 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JON MICHAEL BIRNBAUM
 LA6667436
 STATE OF FLORIDA

SHEET NO: **LS-4**



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 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
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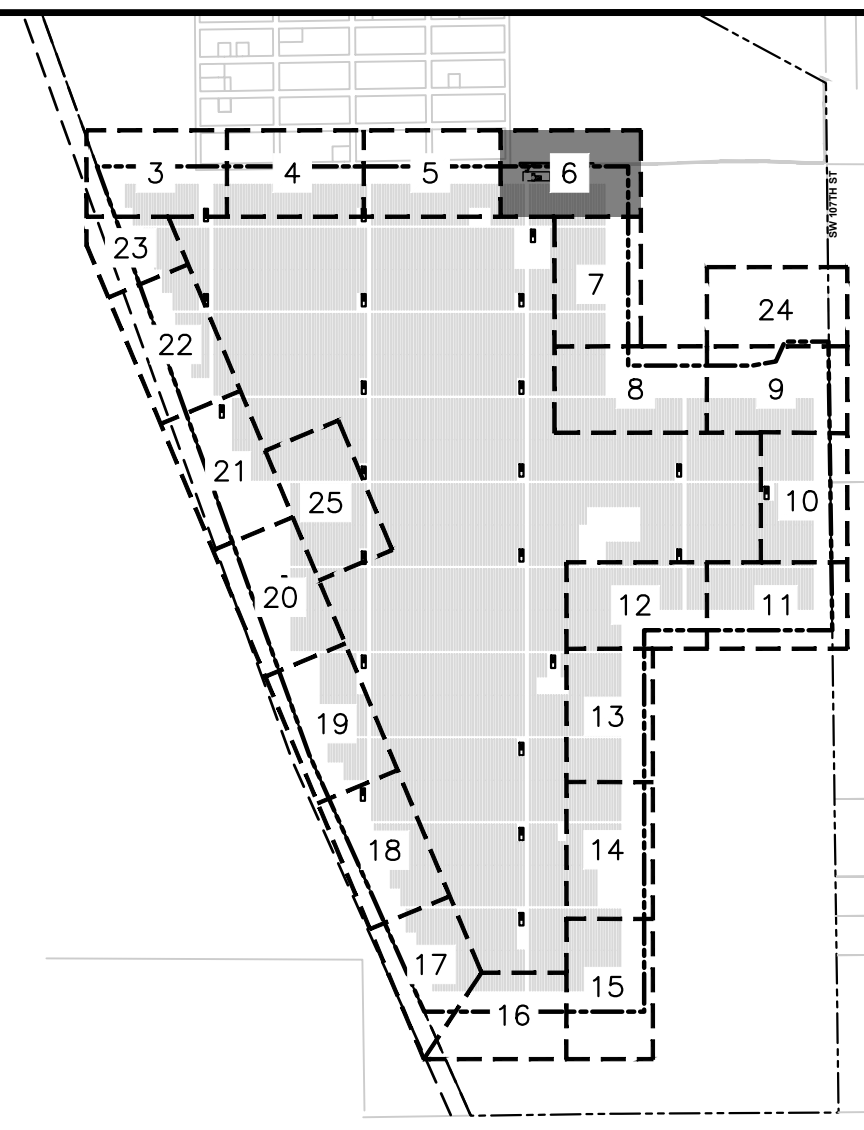
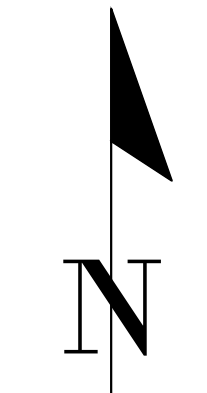
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 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JONATHAN BIRNBAUM
 LA6667436
 STATE OF FLORIDA

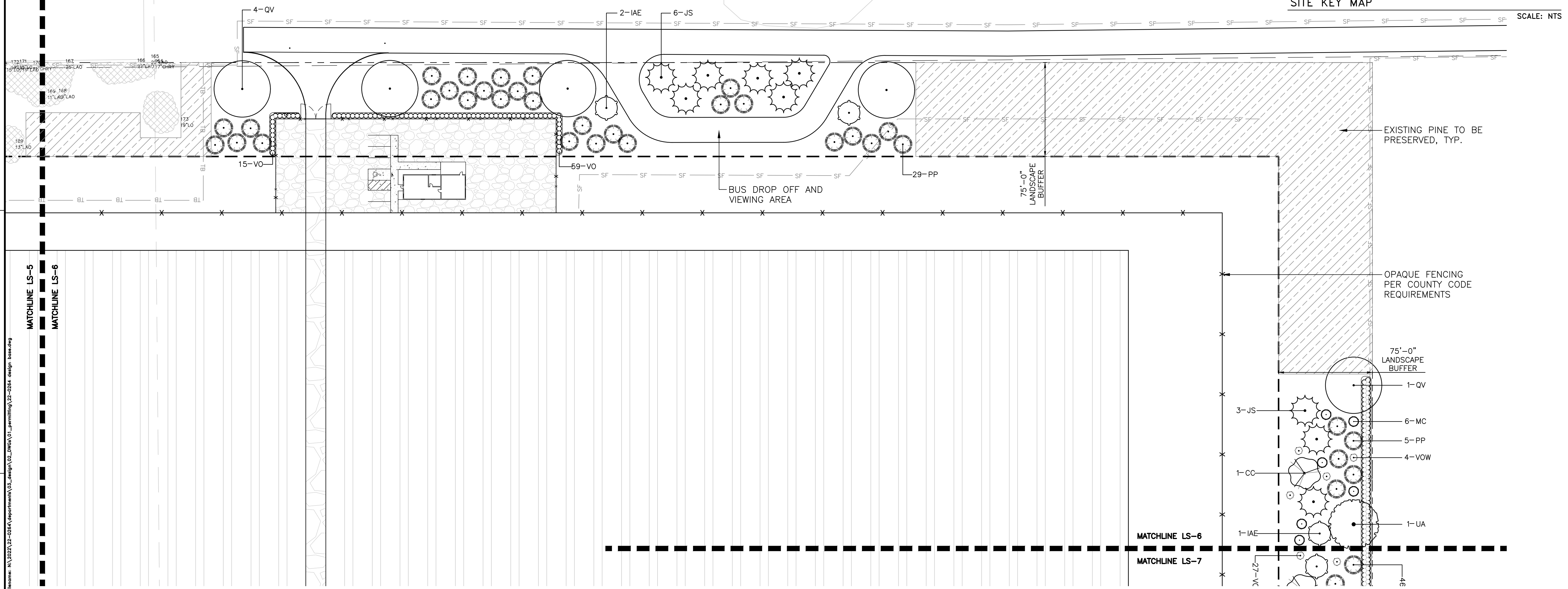
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DEBRIS



SITE KEY MAP

SCALE: NTS



EXISTING PINE TO BE PRESERVED, TYP.

OPAQUE FENCING PER COUNTY CODE REQUIREMENTS

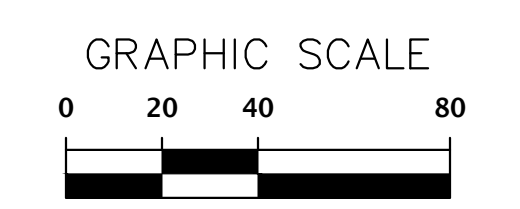
75'-0" LANDSCAPE BUFFER

MATCHLINE LS-6

MATCHLINE LS-7

LEGEND

- | | | | | | | | |
|--|--------------------------|--|--------------------------|--|-------------------------|--|-------------------|
| | EXISTING TREES TO REMAIN | | (IAE) EAST PALATKA HOLLY | | (QS) SHUMARD OAK | | (TD) BALD CYPRESS |
| | (BN) RIVER BIRCH | | (JS) SOUTHERN RED CEDAR | | (QV) LIVE OAK | | (UA) WINGED ELM |
| | (CC) EASTERN REDBUD | | (MC) WAX MYRTLE | | (VOS) WALTER'S VIBURNUM | | |
| | (PP) LONGLEAF PINE | | | | | | |



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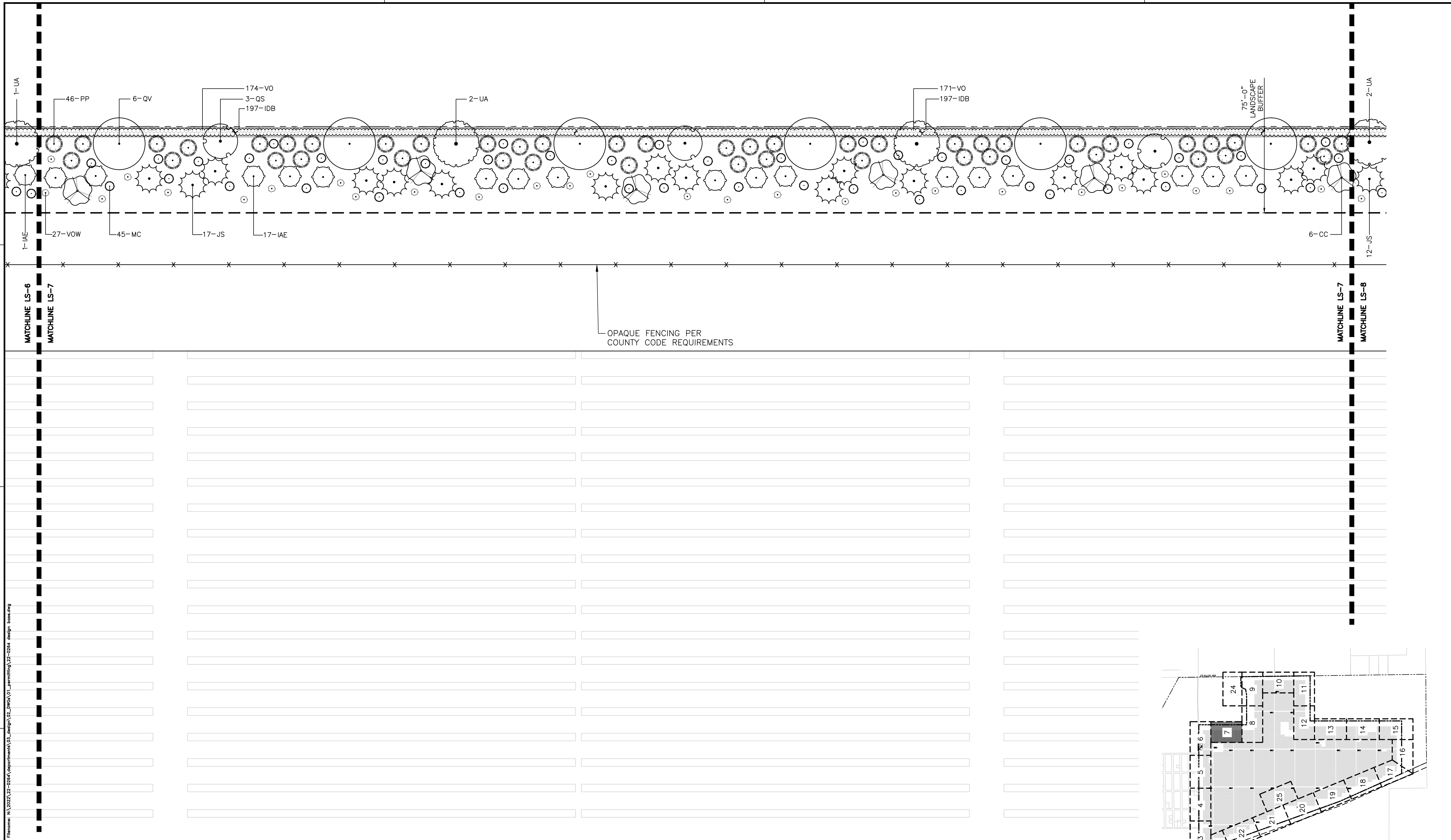
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 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORIGIS ENERGY
 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL SIMMONS
 LA6667436
 STATE OF FLORIDA

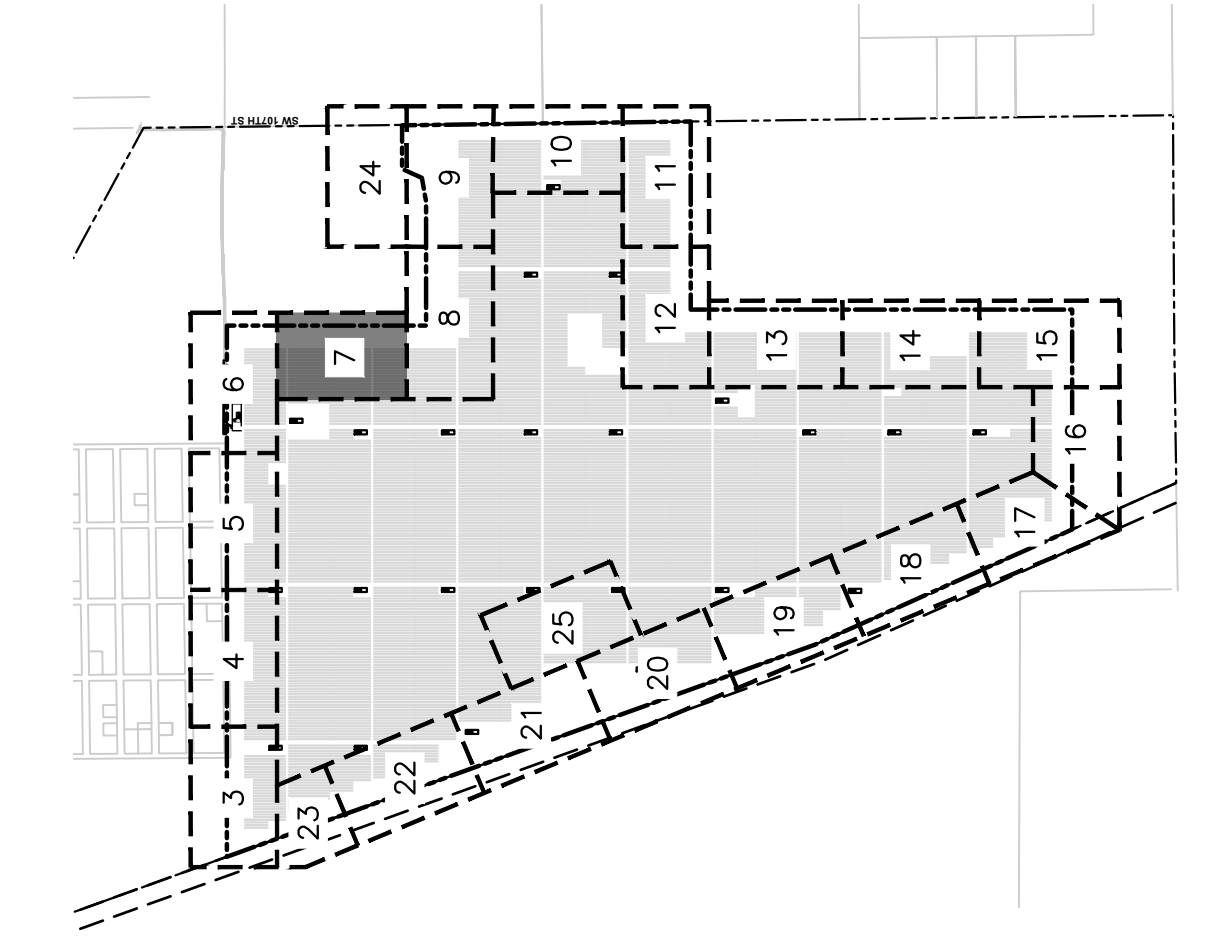
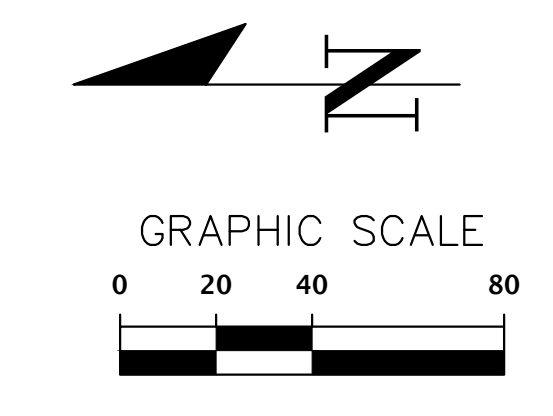
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 User: jahn-mishara

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LEGEND			
	EXISTING TREES TO REMAIN		(IAE) EAST PALATKA HOLLY
	(BN) RIVER BIRCH		(JS) SOUTHERN RED CEDAR
	(CC) EASTERN REDBUD		(MC) WAX MYRTLE
	(PP) LONGLEAF PINE		(QV) LIVE OAK
	(QS) SHUMARD OAK		(TD) BALD CYPRESS
	(UA) WINGED ELM		(VOS) WALTER'S VIBURNUM



SITE KEY MAP
SCALE: NTS

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 est. 1988 FLORIDA LA0001683

SCALE: 1"=40'
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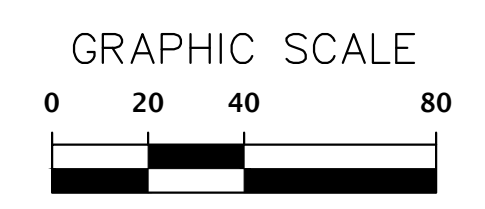
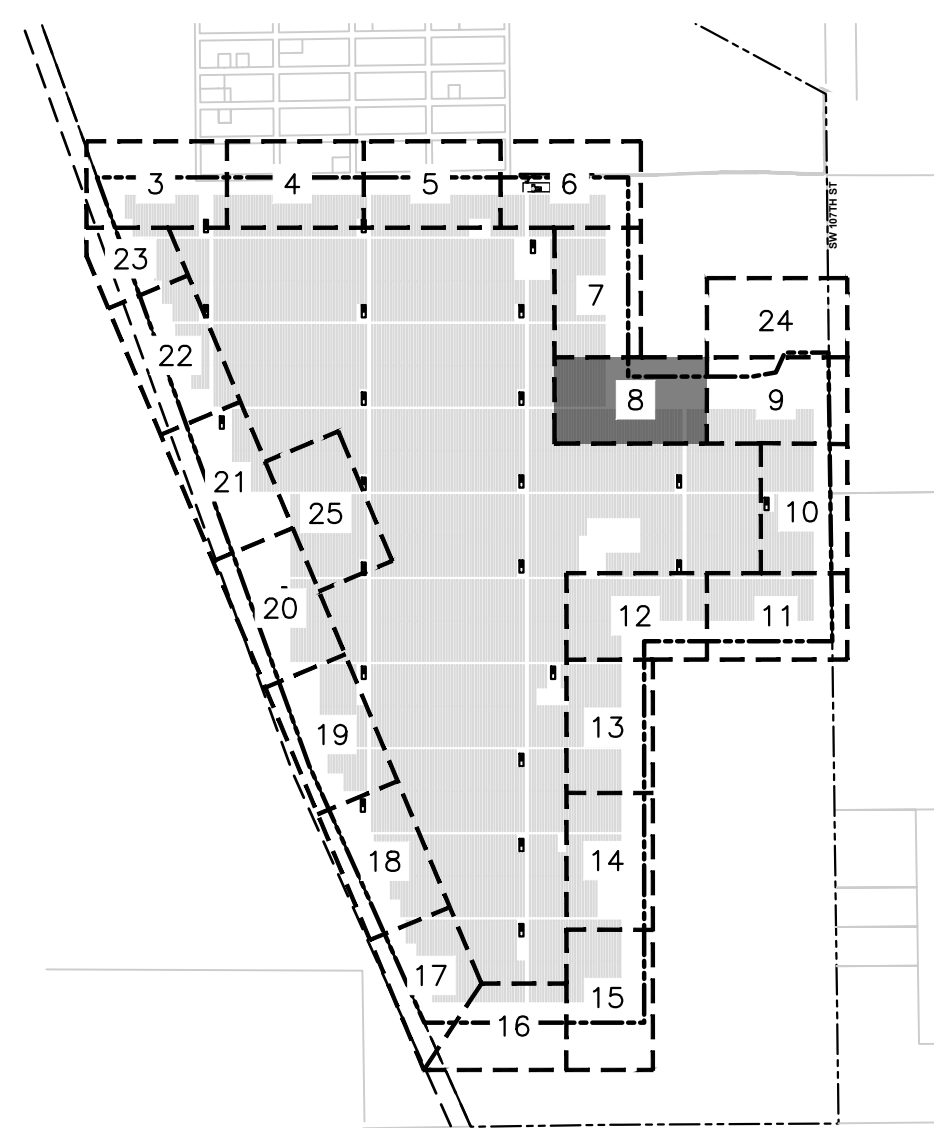
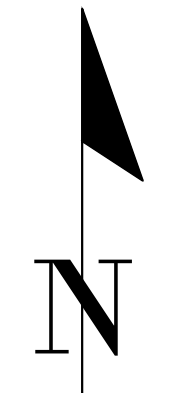
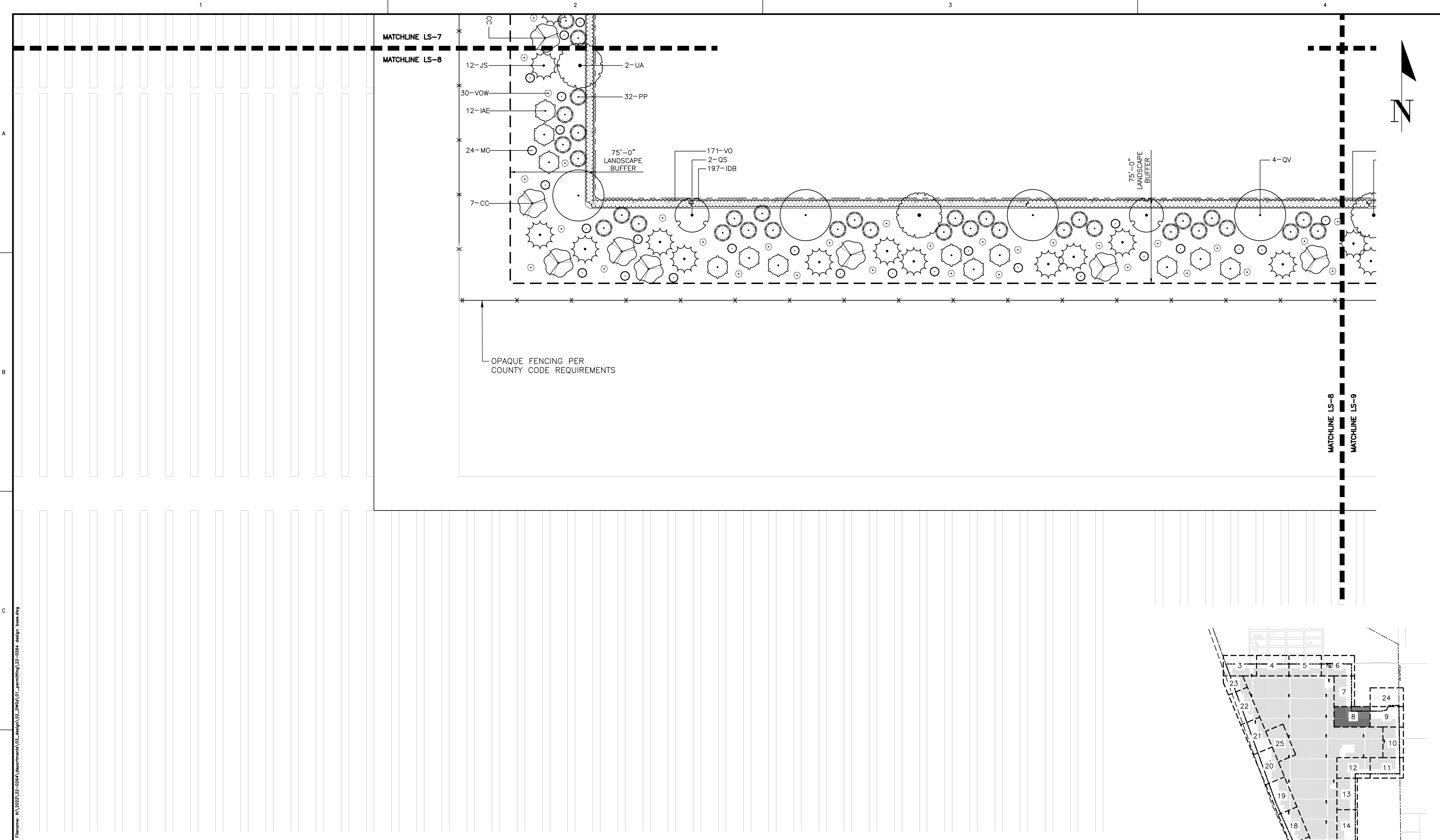
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 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY
 PROJECT: ORGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL SIMMONS
 STATE OF FLORIDA
 LA6667436

SHEET NO: **LS-7**



SITE KEY MAP

SCALE: NTS

LEGEND

- | | | | | | | | |
|--|--------------------------|--|--------------------------|--|-------------------------|--|-------------------|
| | EXISTING TREES TO REMAIN | | (IAE) EAST PALATKA HOLLY | | (QS) SHUMARD OAK | | (TD) BALD CYPRESS |
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| | (CC) EASTERN REDBUD | | (MC) WAX MYRTLE | | (VOS) WALTER'S VIBURNUM | | |
| | (PP) LONGLEAF PINE | | | | | | |

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DATE/DESCRIPTION
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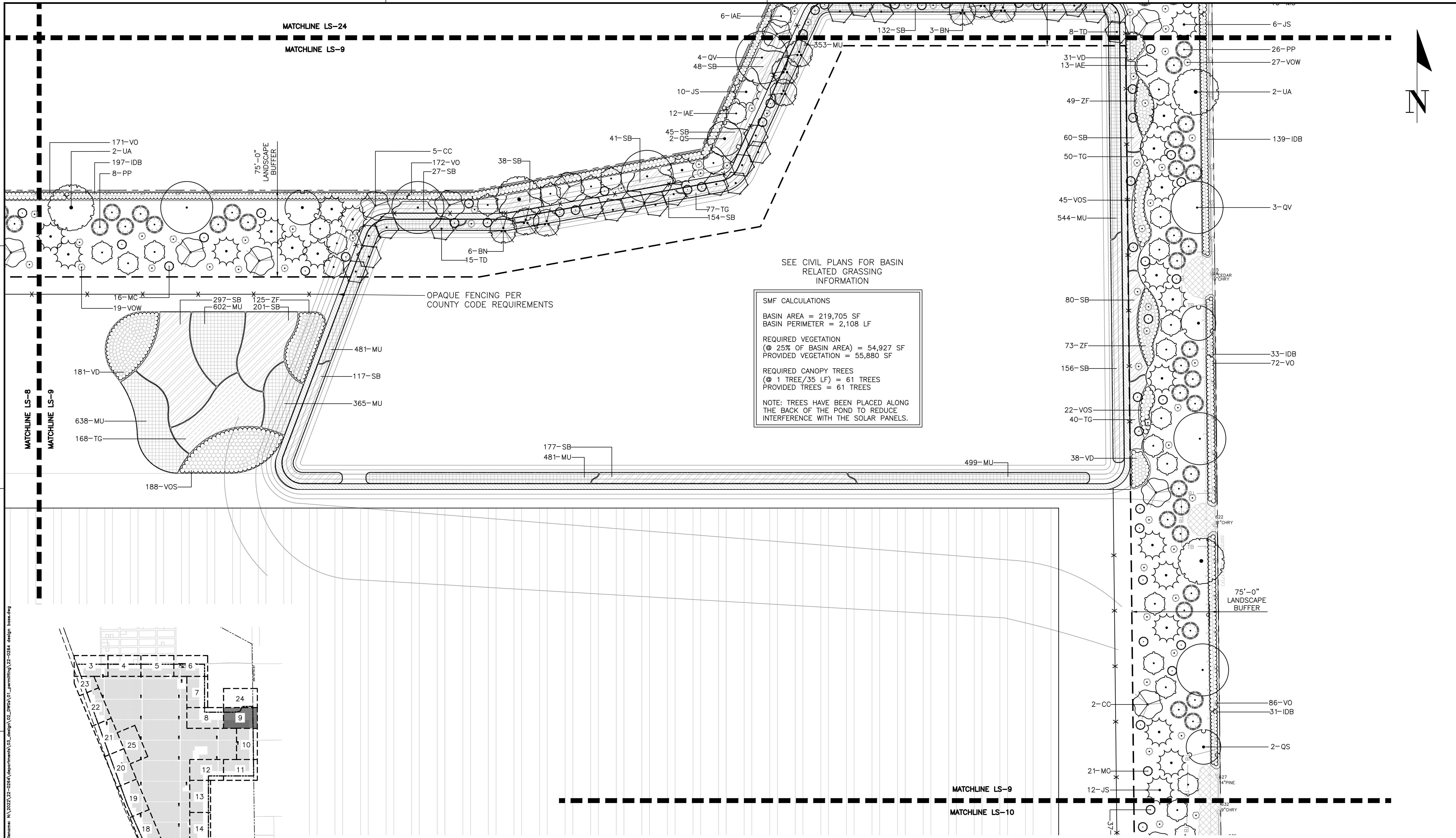
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 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 CHECKER: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL BISHOP
 LA6667436
 STATE OF FLORIDA

SHEET NO.: LS-8

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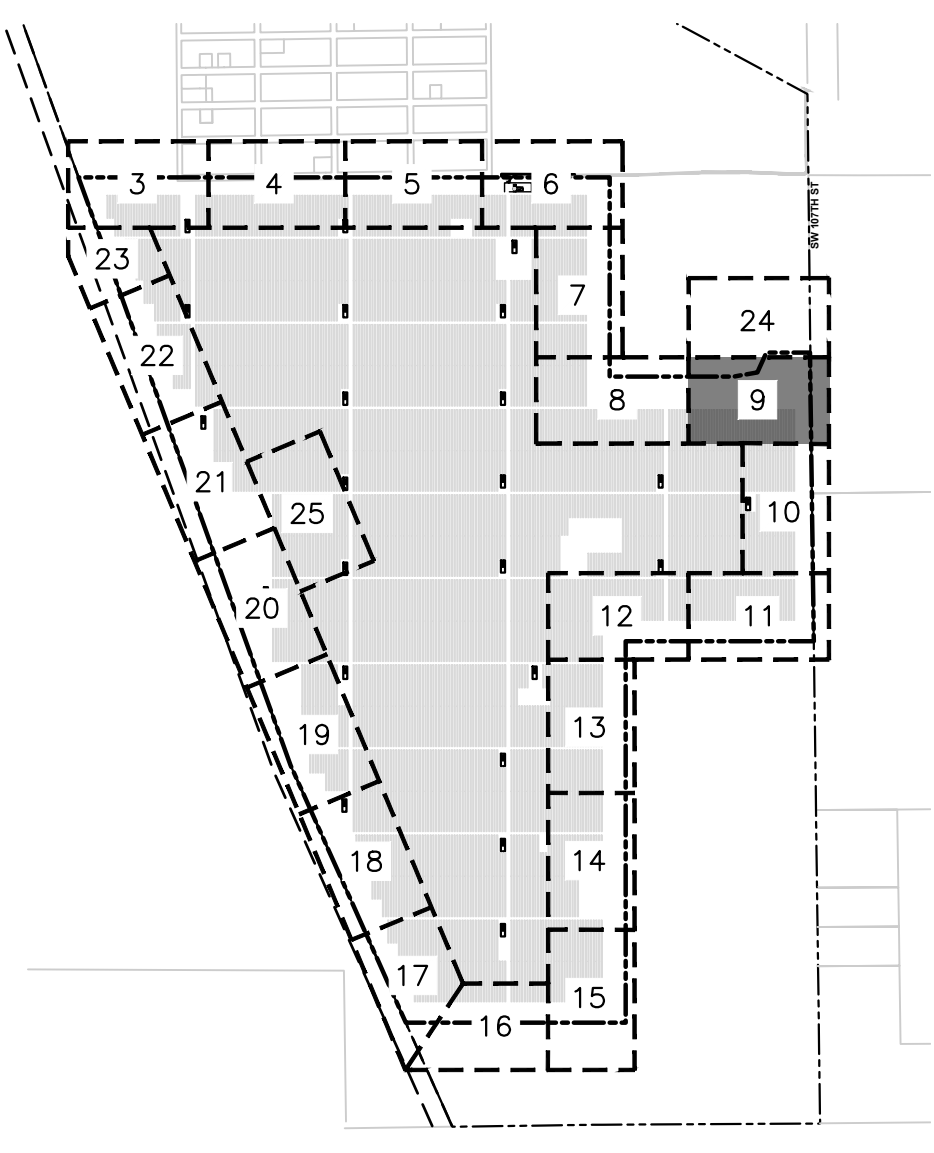
SEE CIVIL PLANS FOR BASIN RELATED GRASSING INFORMATION

SMF CALCULATIONS
 BASIN AREA = 219,705 SF
 BASIN PERIMETER = 2,108 LF

REQUIRED VEGETATION
 (@ 25% OF BASIN AREA) = 54,927 SF
 PROVIDED VEGETATION = 55,880 SF

REQUIRED CANOPY TREES
 (@ 1 TREE/35 LF) = 61 TREES
 PROVIDED TREES = 61 TREES

NOTE: TREES HAVE BEEN PLACED ALONG THE BACK OF THE POND TO REDUCE INTERFERENCE WITH THE SOLAR PANELS.



SITE KEY MAP

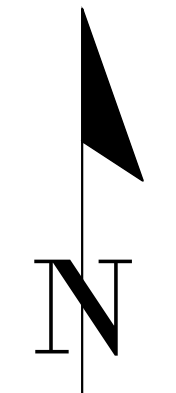
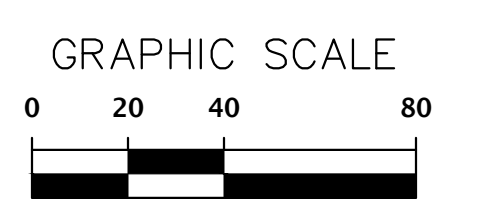
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LEGEND

- | | | | | | | | |
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| | (PP) LONGLEAF PINE | | | | | | |



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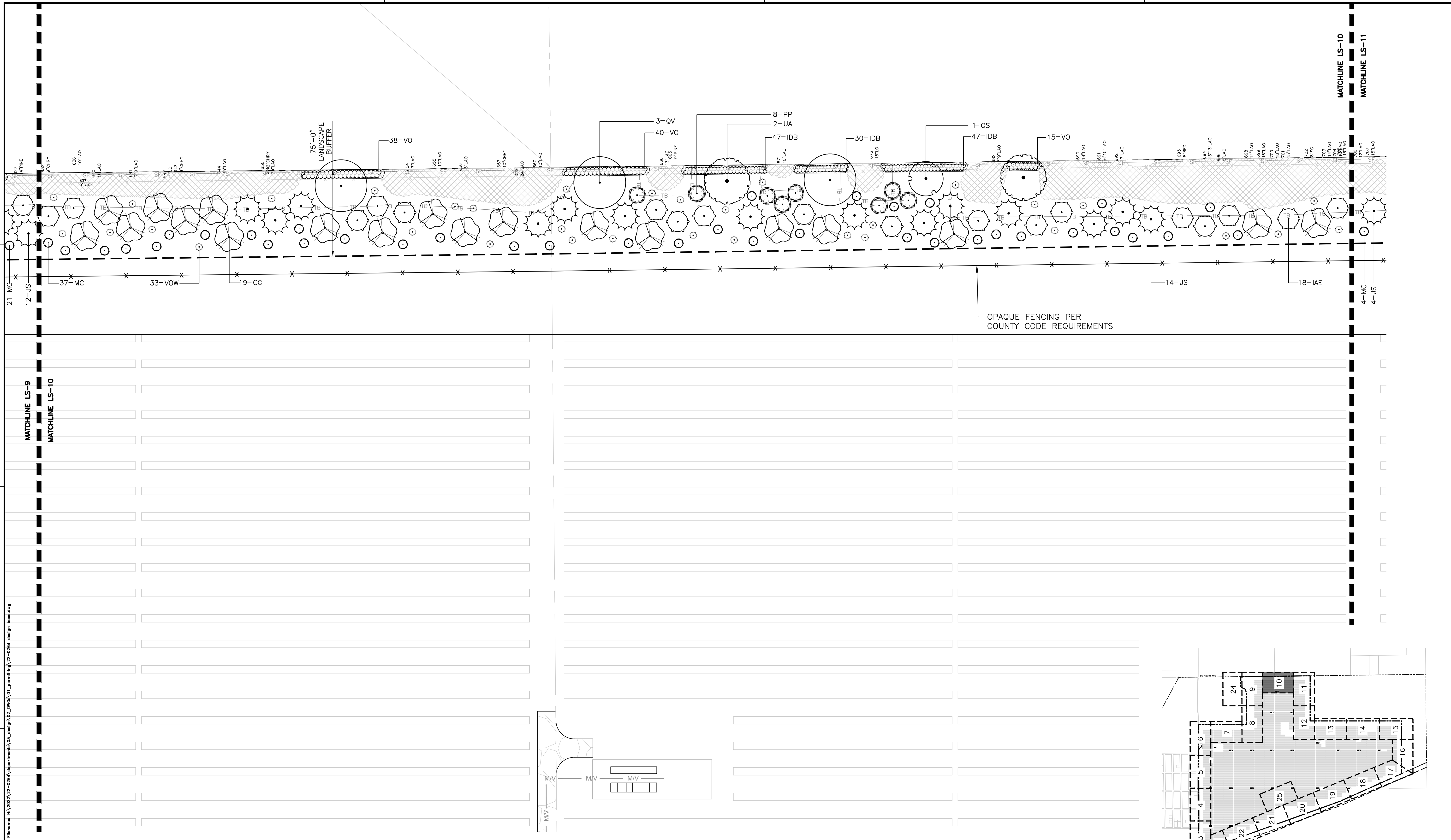
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 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY


CLIENT: ORIGIS ENERGY
 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JON MICHAEL BIRNOR
 LA6667436
 STATE OF FLORIDA

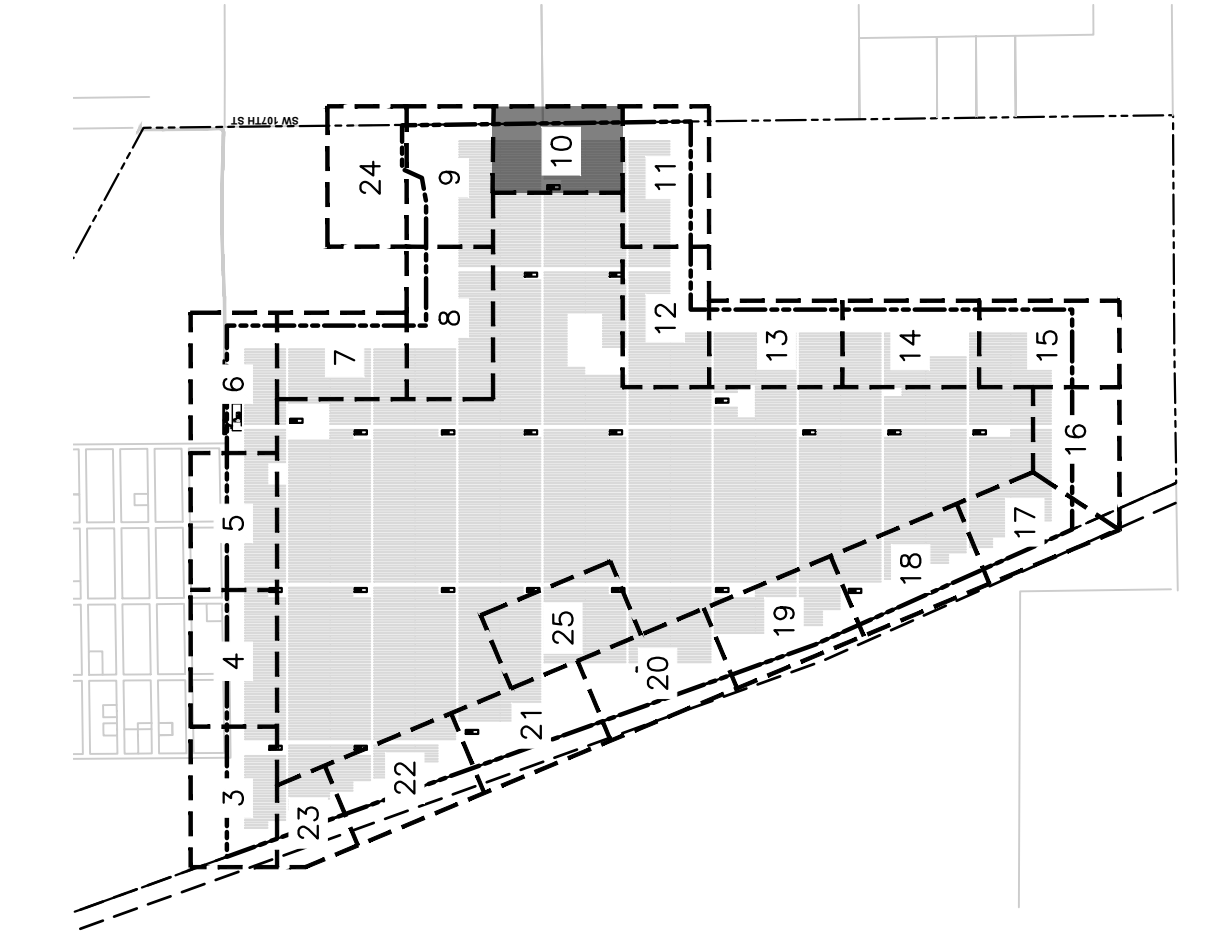
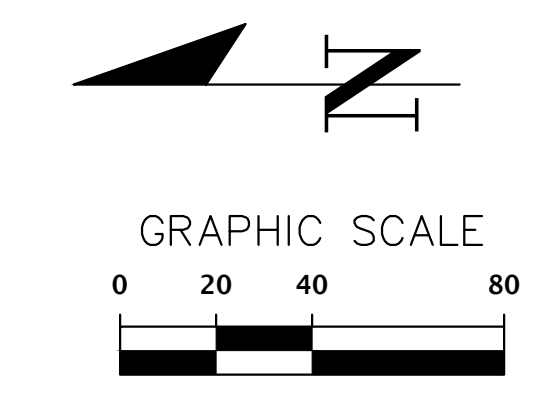
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	(BN) RIVER BIRCH		(JS) SOUTHERN RED CEDAR		(UA) WINGED ELM
	(CC) EASTERN REDBUD		(MC) WAX MYRTLE		(VOS) WALTER'S VIBURNUM
	(PP) LONGLEAF PINE		(QV) LIVE OAK		



SITE KEY MAP
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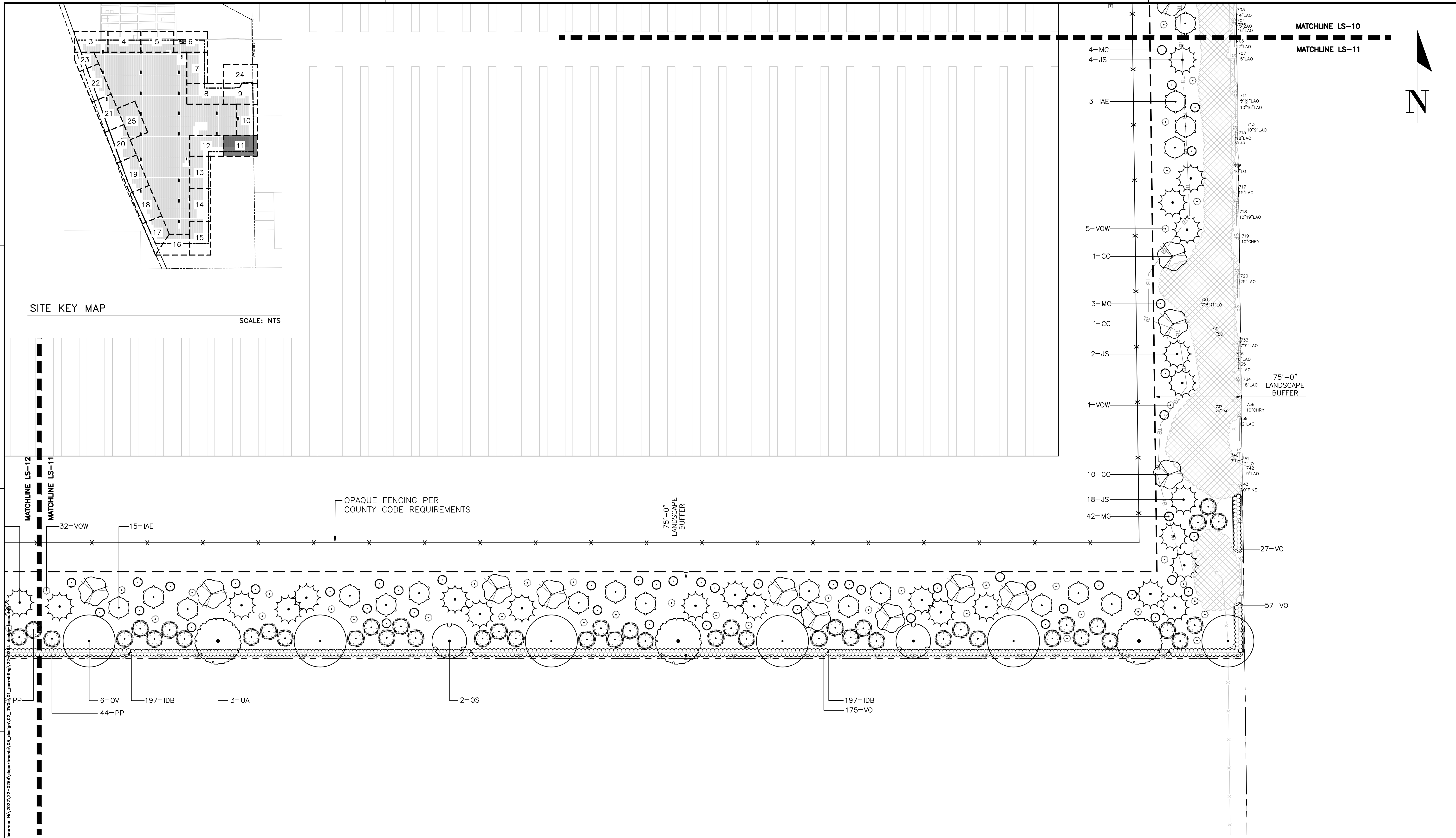
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 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY
 PROJECT: ORGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL SIMON
 LA6667436
 STATE OF FLORIDA

SHEET NO.: **LS-10**



SITE KEY MAP
SCALE: NTS

MATCHLINE LS-12
MATCHLINE LS-11

32-VOW
15-IAE
6-QV
197-IDB
44-PP
3-UA
2-QS

OPAQUE FENCING PER COUNTY CODE REQUIREMENTS

75'-0" LANDSCAPE BUFFER

197-IDB
175-VO

4-MC
4-JS
3-IAE
5-VOW
1-CC
3-MC
1-CC
2-JS
1-VOW
10-CC
18-JS
42-MC
27-VO
57-VO

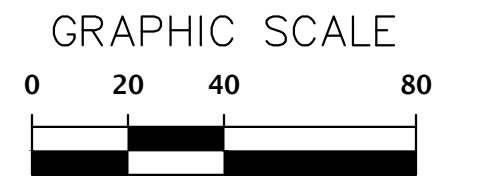
MATCHLINE LS-10
MATCHLINE LS-11

75'-0" LANDSCAPE BUFFER

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LEGEND

- | | | | | | | | |
|--|--------------------------|--|--------------------------|--|-------------------------|--|-------------------|
| | EXISTING TREES TO REMAIN | | (IAE) EAST PALATKA HOLLY | | (QS) SHUMARD OAK | | (TD) BALD CYPRESS |
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| | (PP) LONGLEAF PINE | | | | | | |



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09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORIGIS ENERGY
PROJECT: ORIGIS ENERGY SOLAR FACILITY
SHEET TITLE: LANDSCAPE PLAN

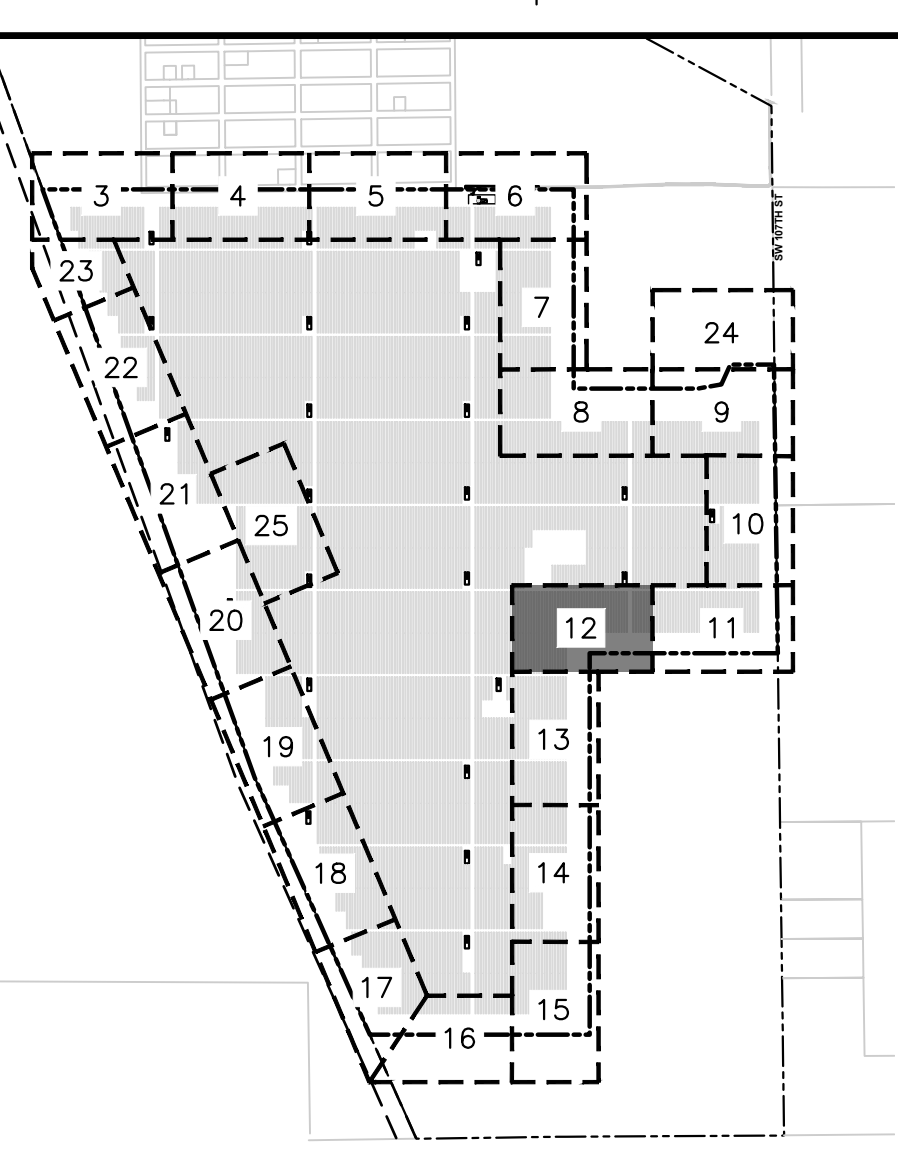
DESIGNER: JMS
QUALITY CONTROL: JMS
PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
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LA6667436
STATE OF FLORIDA

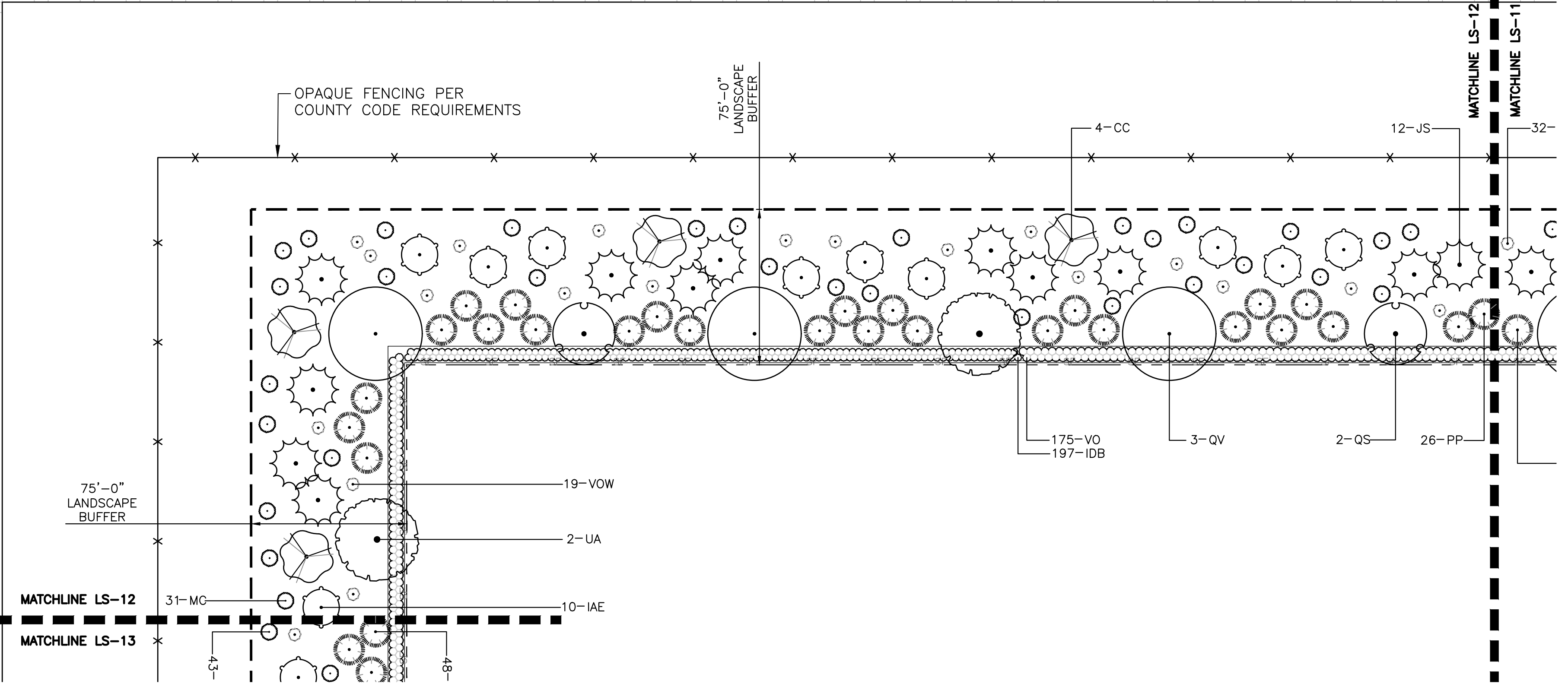
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SITE KEY MAP

SCALE: NTS

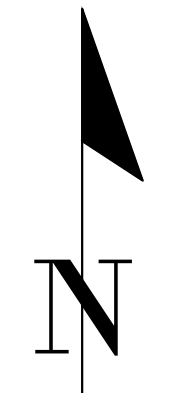
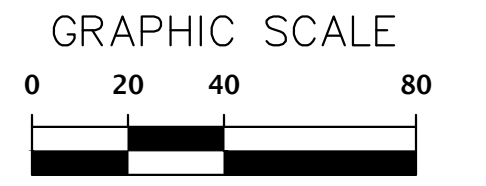


WEYED
DRESH



LEGEND

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|--|--------------------------|--|--------------------------|--|-------------------------|--|-------------------|
| | EXISTING TREES TO REMAIN | | (IAE) EAST PALATKA HOLLY | | (QS) SHUMARD OAK | | (TD) BALD CYPRESS |
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| | (PP) LONGLEAF PINE | | | | | | |



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 Plot Date: Sep 21, 2023 12:24pm

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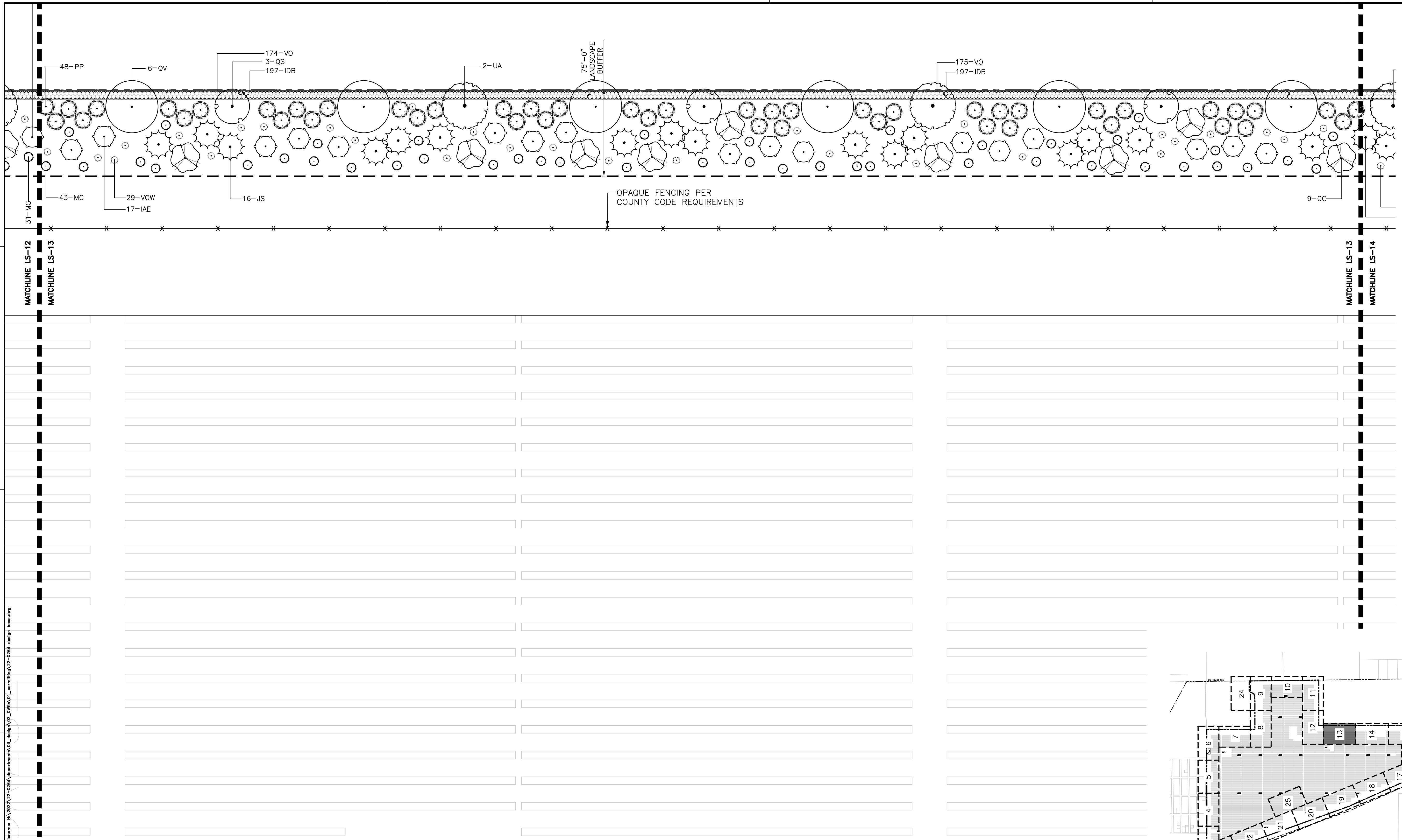
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 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY	PROJECT: ORGIS ENERGY SOLAR FACILITY	LANDSCAPE PLAN
DESIGNER: JMS	QUALITY CONTROL: JMS	SHEET NUMBER: 22-0264

DESIGNER: JMS
 PROJECT NUMBER: 22-0264
 SHEET TITLE: LANDSCAPE PLAN

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL SIMON
 LA6667436
 STATE OF FLORIDA

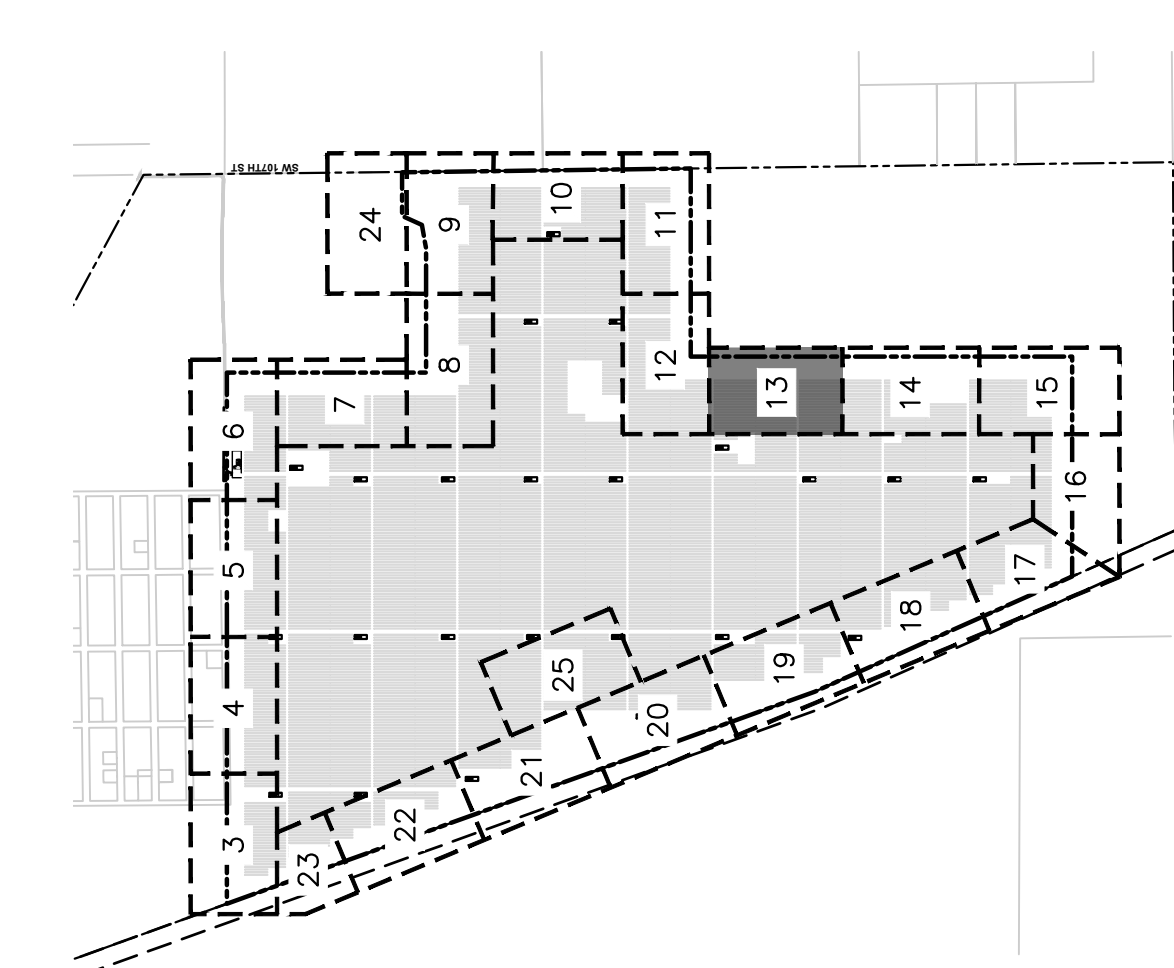
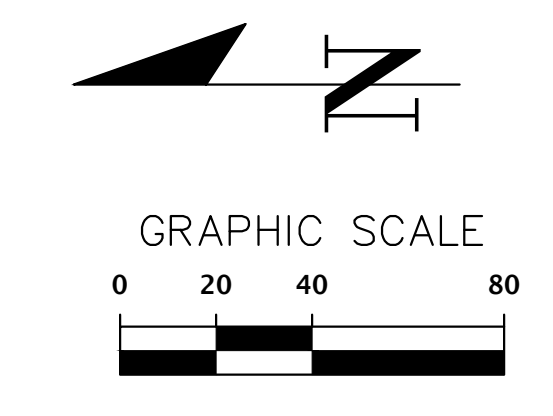
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LEGEND					
	EXISTING TREES TO REMAIN		(IAE) EAST PALATKA HOLLY		(QS) SHUMARD OAK
	(BN) RIVER BIRCH		(JS) SOUTHERN RED CEDAR		(QV) LIVE OAK
	(CC) EASTERN REDBUD		(MC) WAX MYRTLE		(UA) WINGED ELM
	(PP) LONGLEAF PINE		(TD) BALD CYPRESS		(VOS) WALTER'S VIBURNUM



SITE KEY MAP
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SCALE: 1"=40'

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09/05/2023 - SUBMITTAL TO ALACHUA COUNTY

09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT:

ORIGIS ENERGY

DESIGNER:

JMS

PROJECT:

ORIGIS ENERGY SOLAR FACILITY

QUALITY CONTROL:

JMS

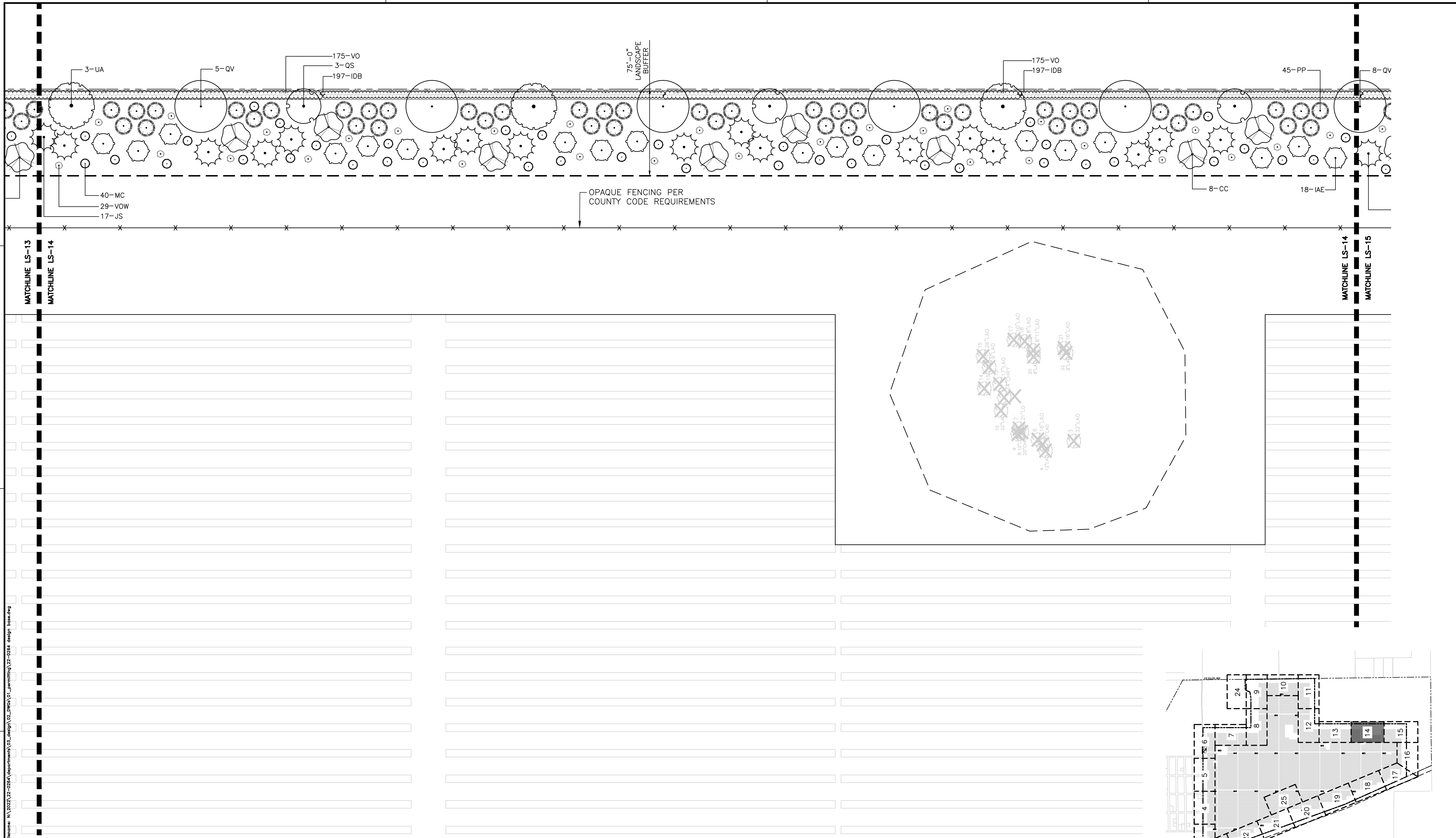
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22-0264

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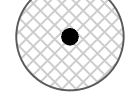











LANDSCAPE PLAN

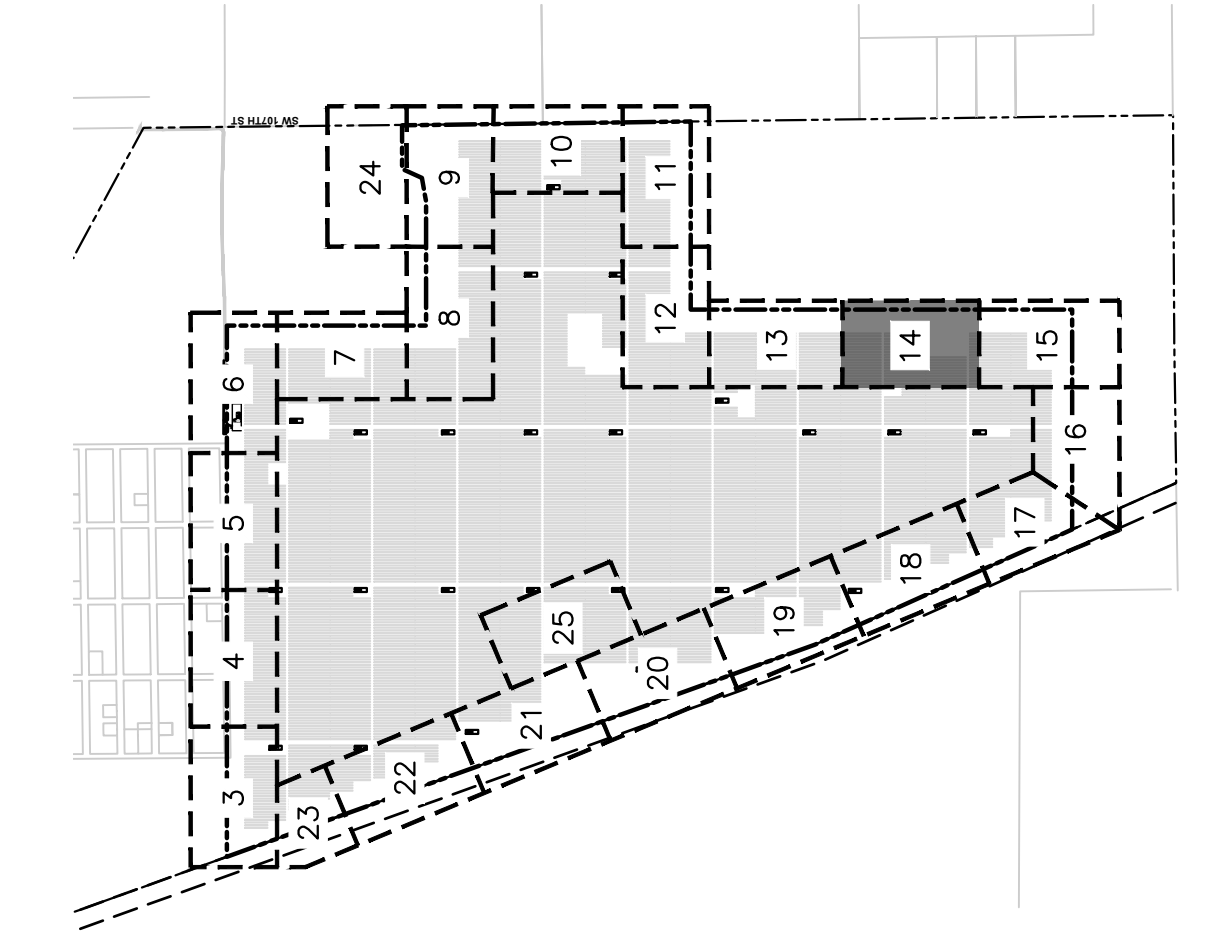
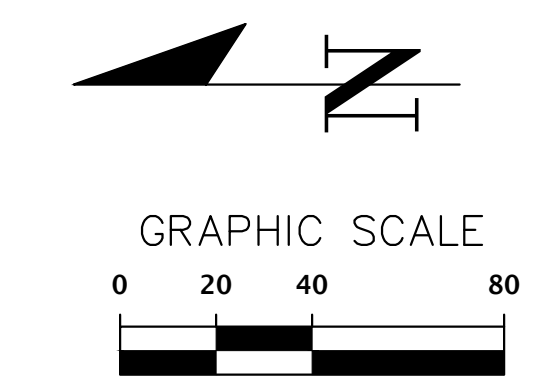
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LEGEND

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			(PP) LONGLEAF PINE				



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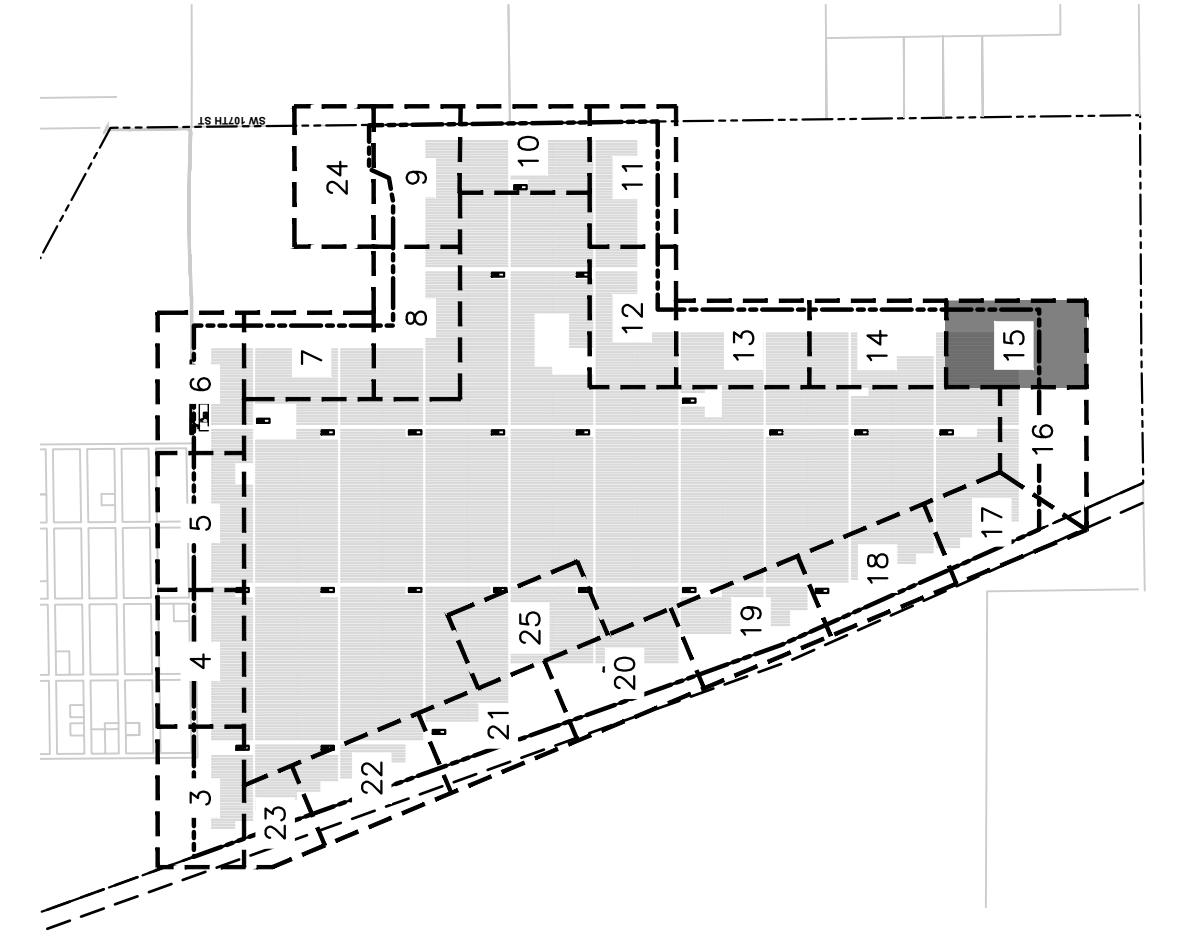
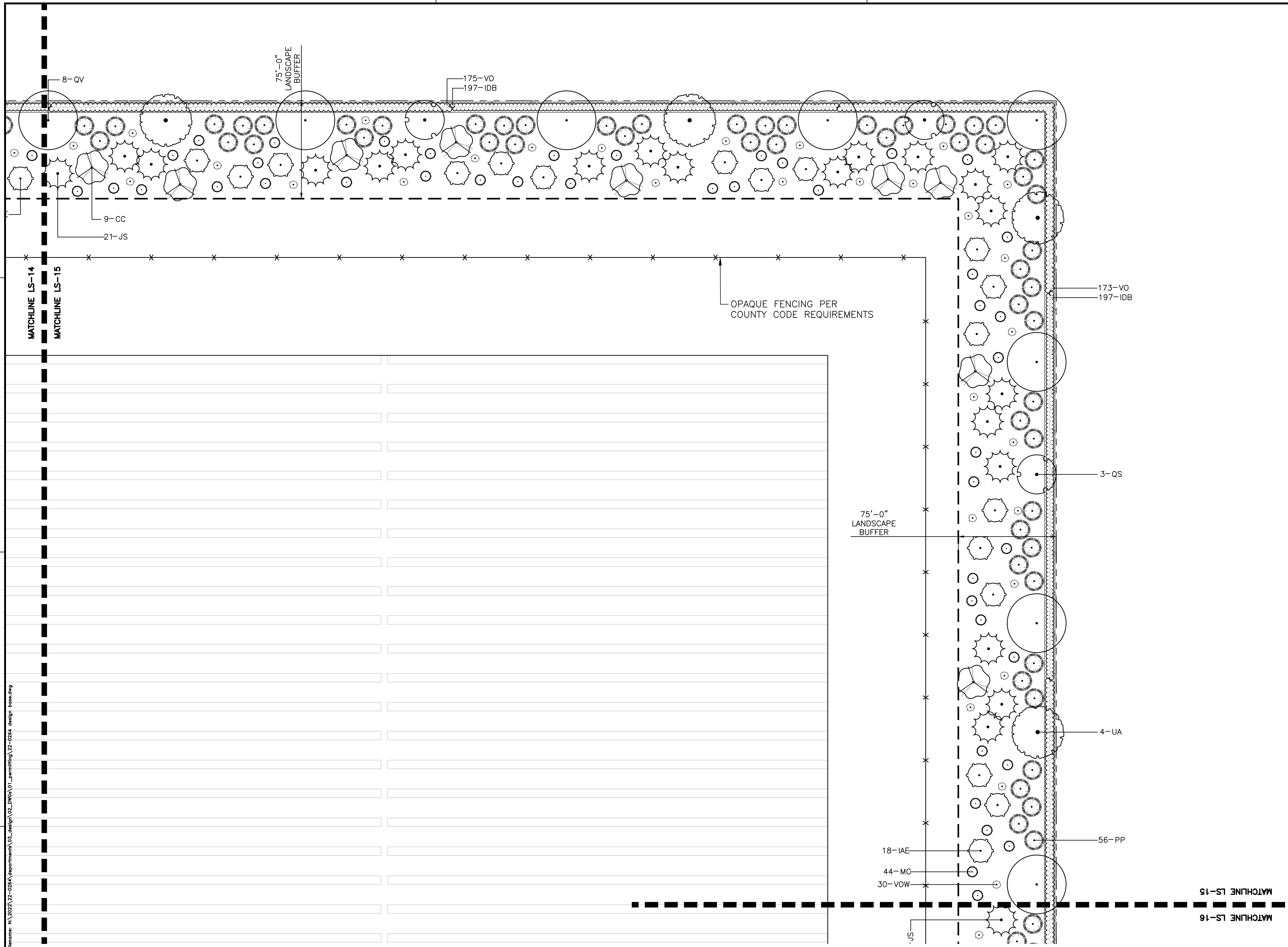
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CLIENT: ORGIS ENERGY
 PROJECT: ORGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL SIMMONS
 STATE OF FLORIDA
 LA6667436

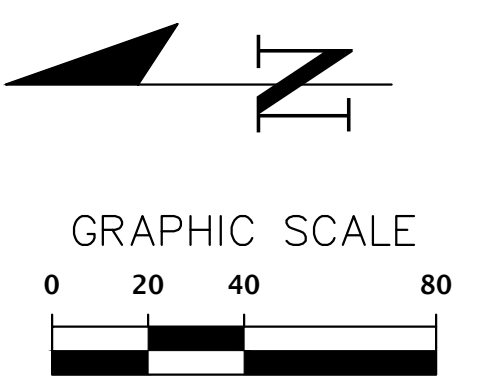
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LEGEND

	EXISTING TREES TO REMAIN		(IAE) EAST PALATKA HOLLY		(GS) SHUMARD OAK		(TD) BALD CYPRESS
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	(PP) LONGLEAF PINE						



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 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

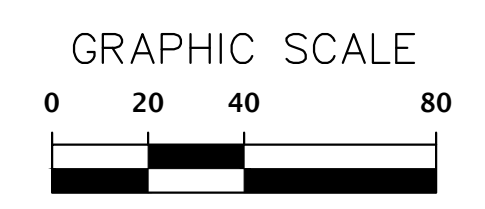
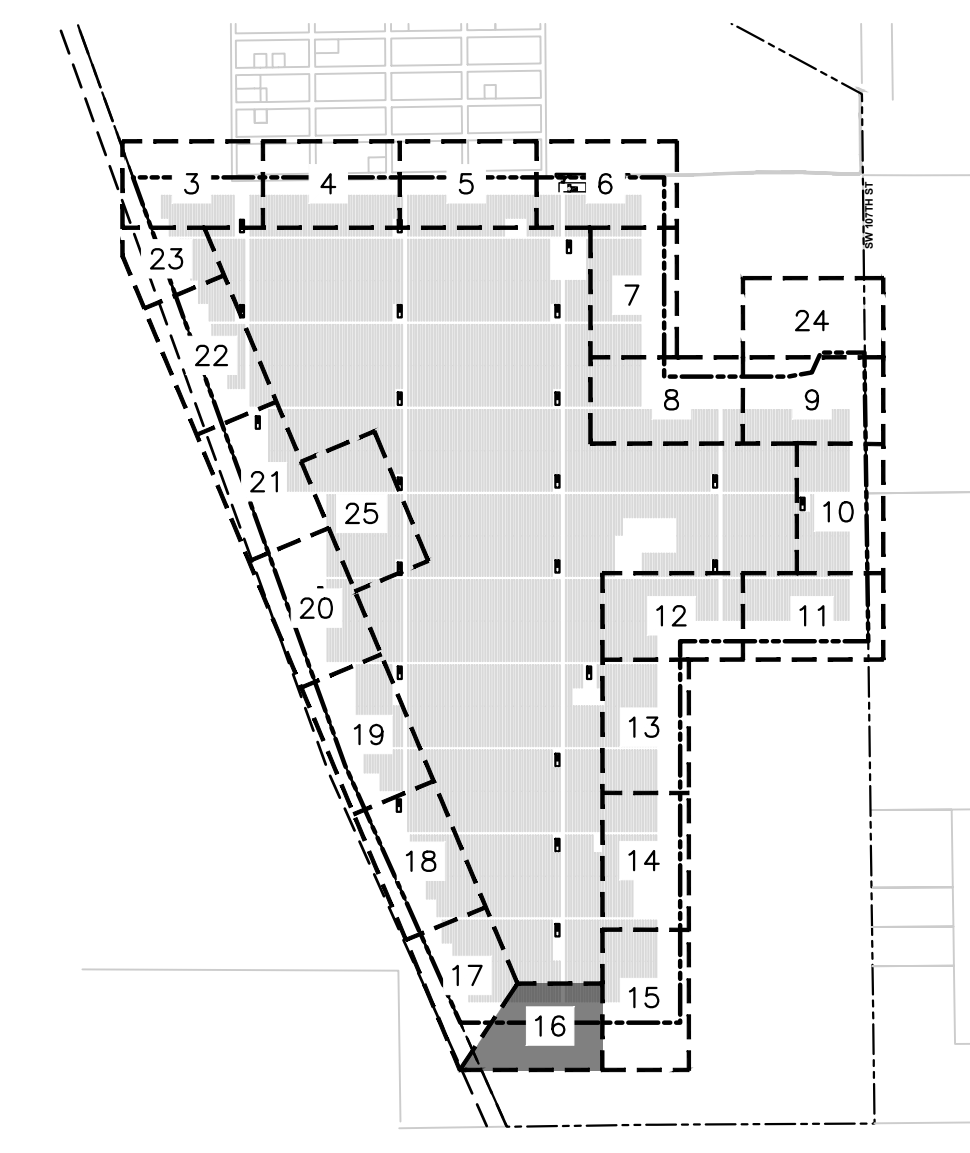
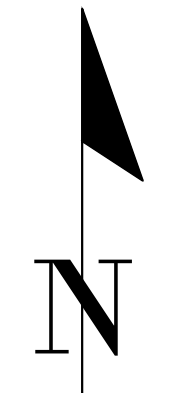
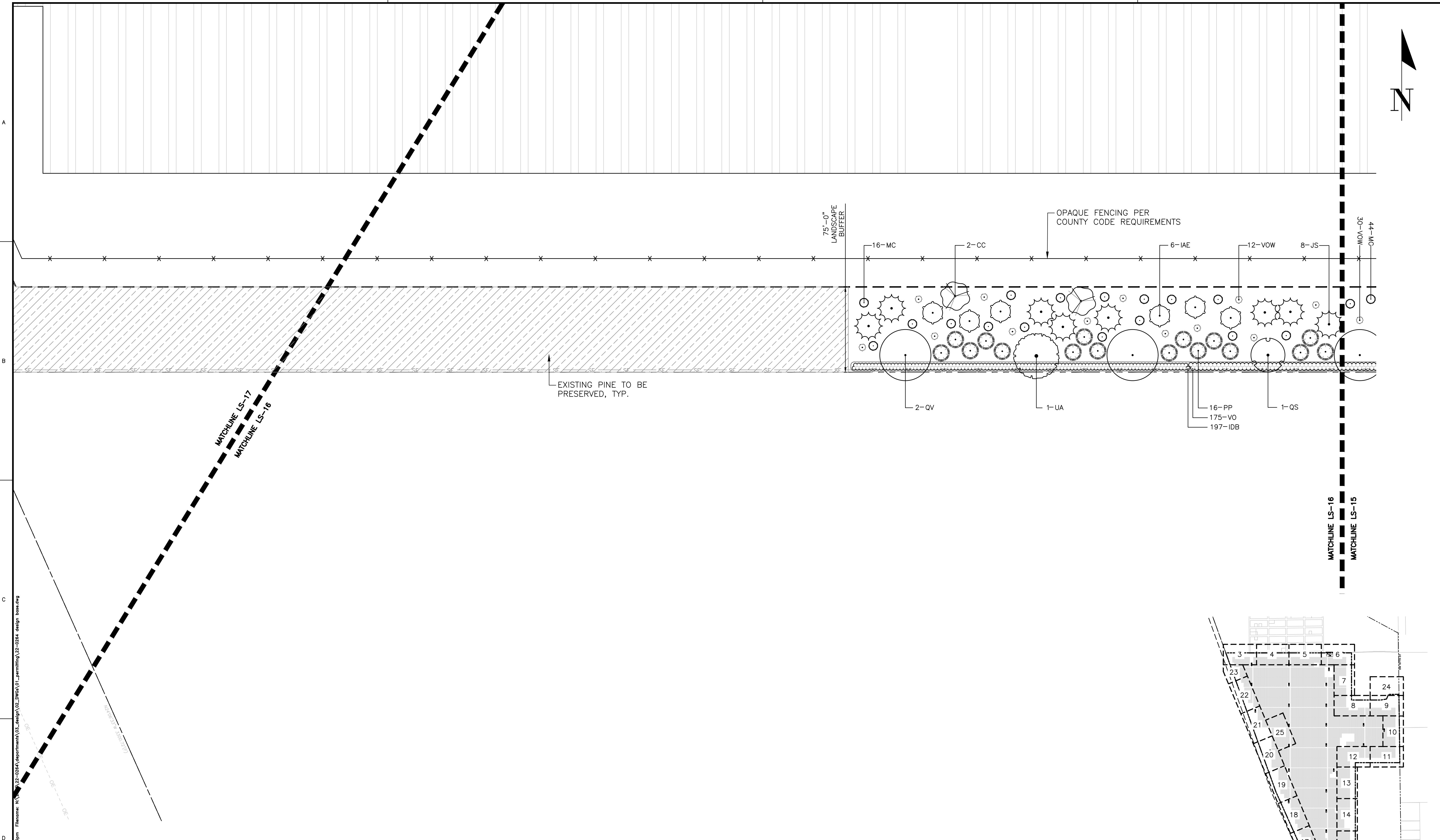
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 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL BIRNBAUM
 STATE OF FLORIDA
 LA6667436

SHEET NO.: **LS-15**

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SITE KEY MAP

SCALE: NTS

LEGEND

- | | | | | | | | |
|--|--------------------------|--|--------------------------|--|--------------------|--|-------------------------|
| | EXISTING TREES TO REMAIN | | (IAE) EAST PALATKA HOLLY | | (QS) SHUMARD OAK | | (TD) BALD CYPRESS |
| | (BN) RIVER BIRCH | | (JS) SOUTHERN RED CEDAR | | (QV) LIVE OAK | | (UA) WINGED ELM |
| | (CC) EASTERN REDBUD | | (MC) WAX MYRTLE | | (PP) LONGLEAF PINE | | (VOS) WALTER'S VIBURNUM |

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File Name: N:\22-0264\parpmenth\03_design\02_DWG\A\01_permitting\22-0264_dsign_bas.dwg
 Plot Date: Sep 11, 2023 12:05pm
 Text: jhb-mibhars

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SCALE: 1"=40'
 VERIFY SCALE
 BASED ON SCALE ON
 ORIGINAL DRAWING
 0 MEASUREMENTS
 THIS SHEET, ADJUST
 SCALES ACCORDINGLY.

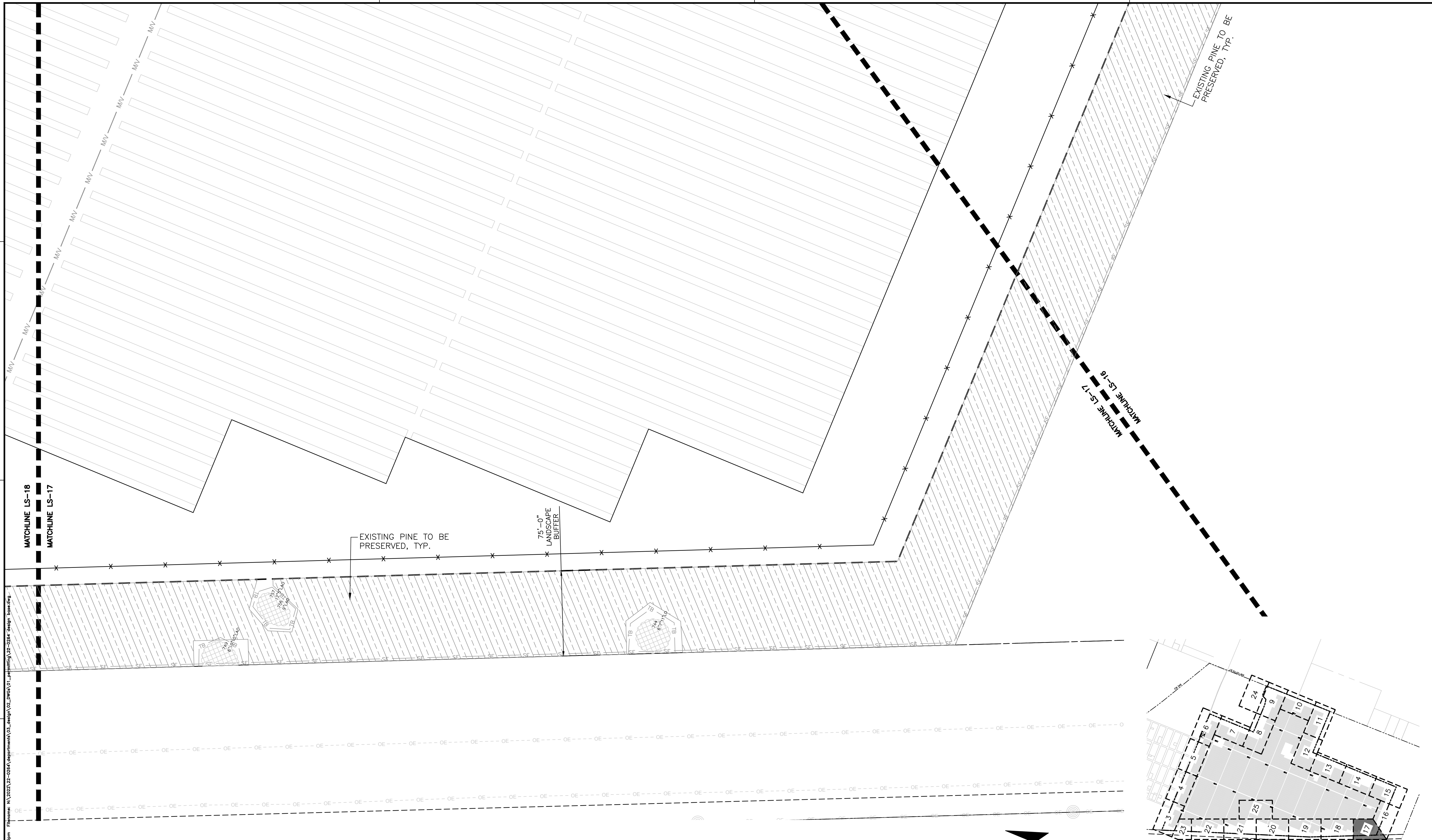
CONSTRUCTION/REV. REVISIONS

DATE/DESCRIPTION
 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORIGIS ENERGY
 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 QUALITY CONTROL: JMS
 SHEET NUMBER: 22-0264
 SHEET TITLE: LANDSCAPE PLAN

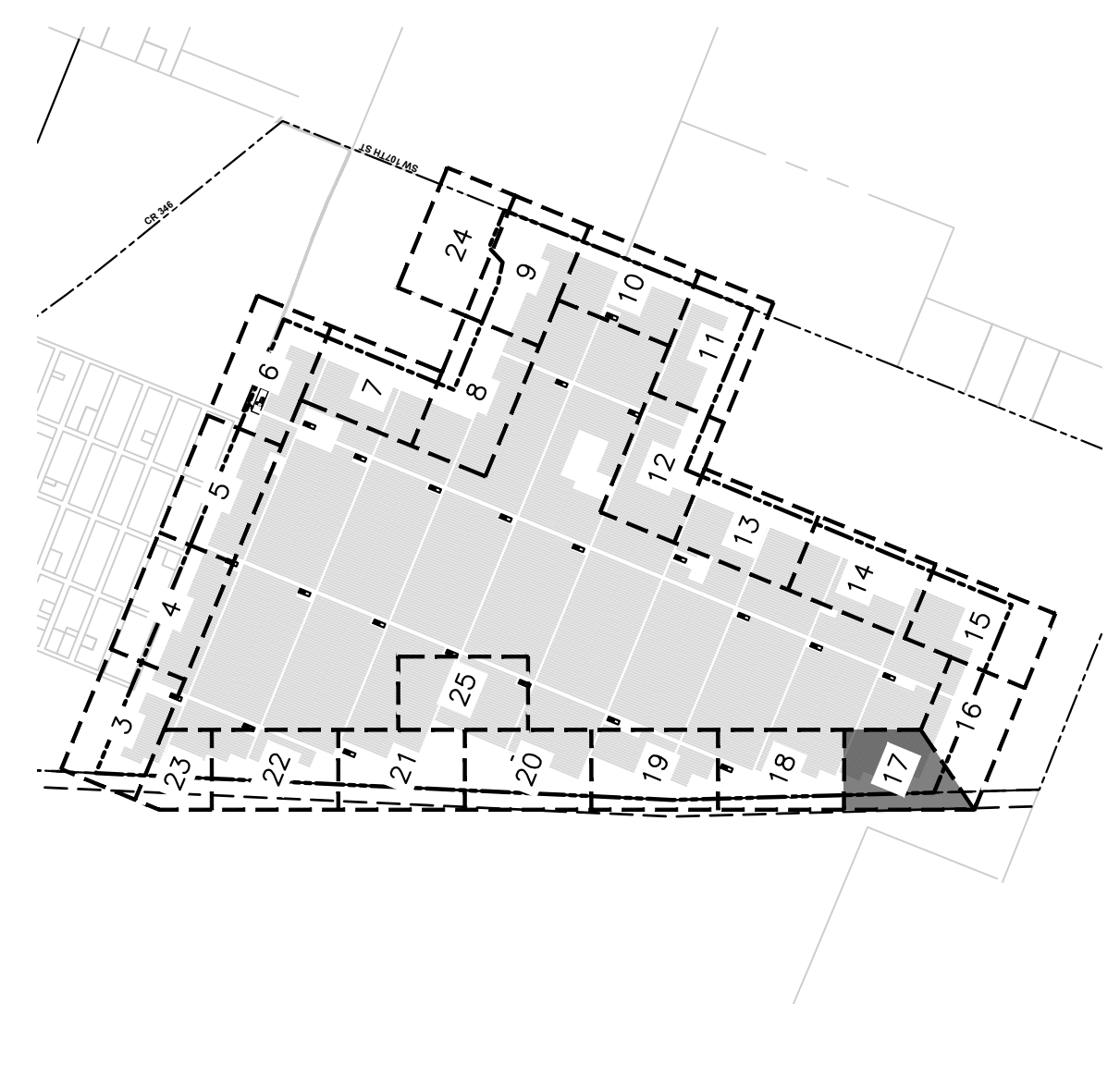
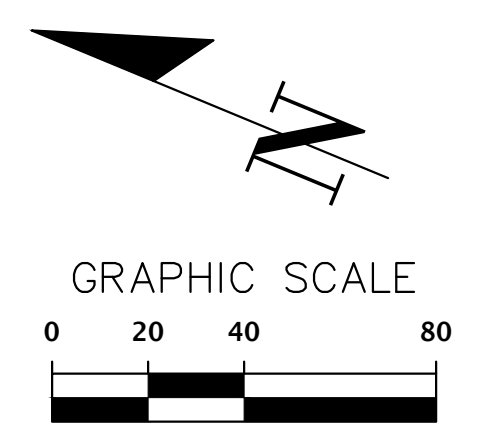
REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL SIMMONS
 LA6667436
 STATE OF FLORIDA

SHEET NO: **LS-16**



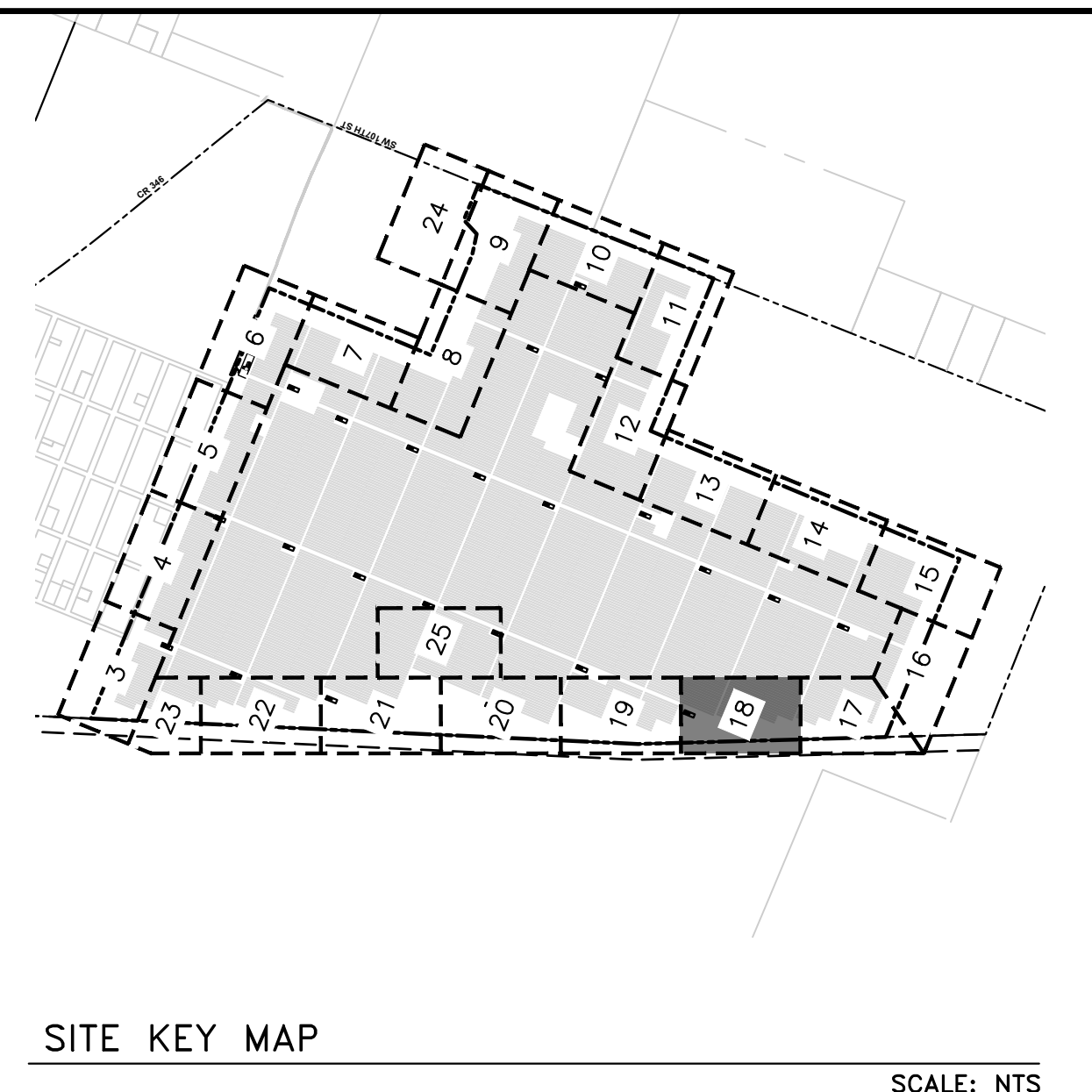
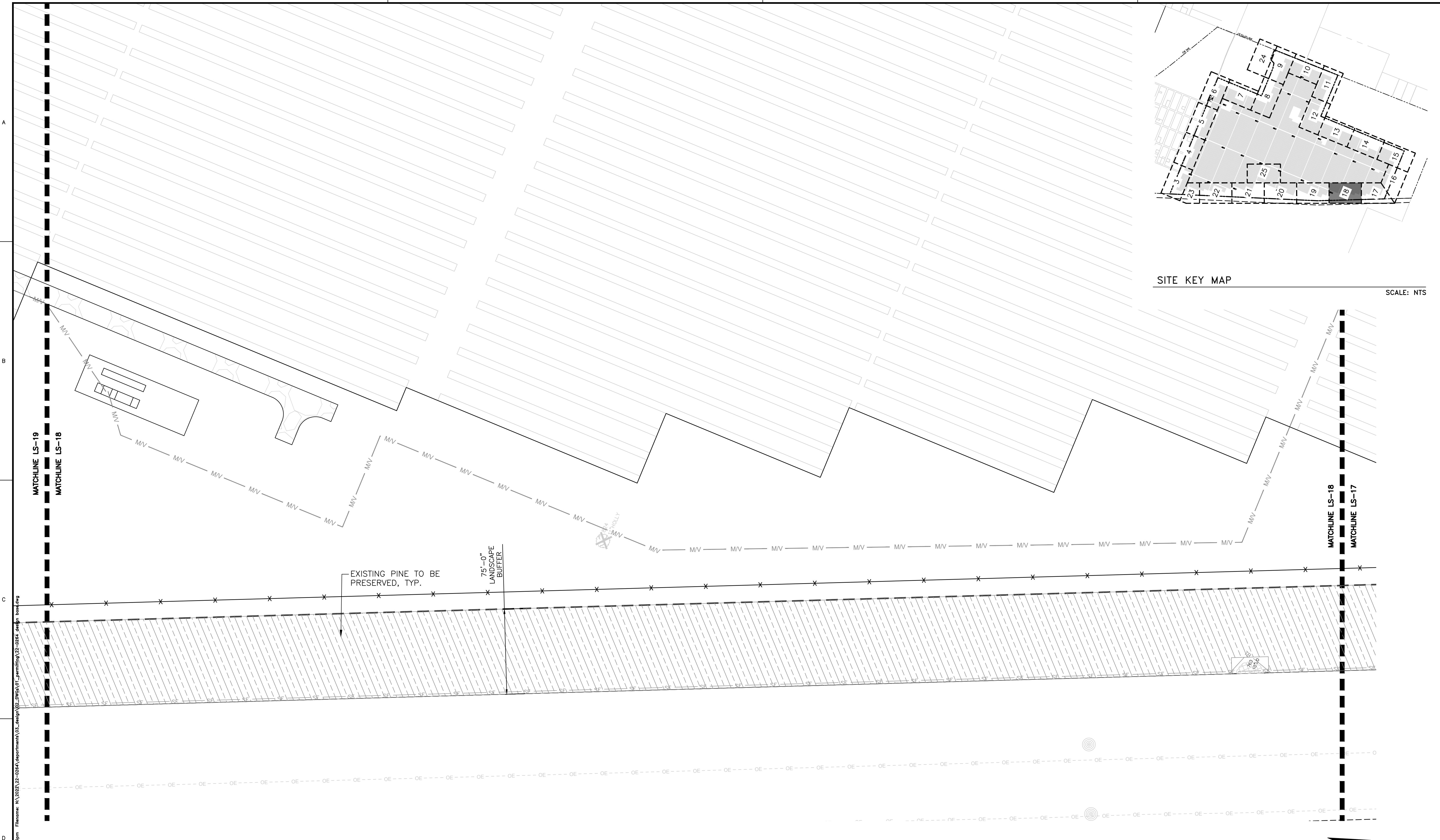
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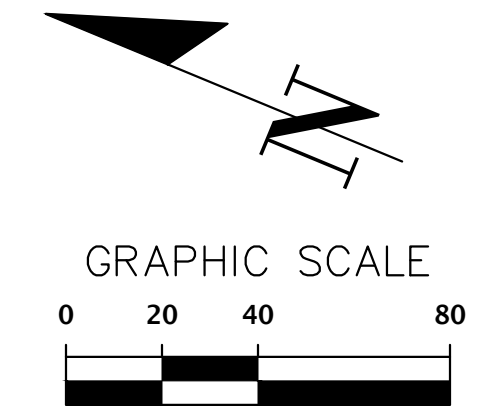
SITE KEY MAP
SCALE: NTS

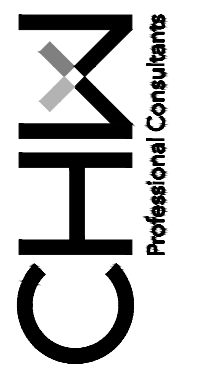
	11801 Research Drive Alachua, Florida 32615 (352) 331-1976 www.chw-inc.com est. 1988 FLORIDA LA0001683
SCALE: 1"=40' ALL DIMENSIONS ARE BASED ON ORIGINAL DRAWING DIMENSIONS MAY VARY FROM THIS SHEET, ADJUST SCALES ACCORDINGLY.	CONSTRUCTION/REV. REVISIONS
CLIENT: ORIGIS ENERGY PROJECT: ORIGIS ENERGY SOLAR FACILITY SHEET TITLE: LANDSCAPE PLAN	COUNTY: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY
DESIGNER: JMS QUALITY CONTROL: JMS PROJECT NUMBER: 22-0264	SHEET NO.: 22-0264
	SHEET NO.: LS-17

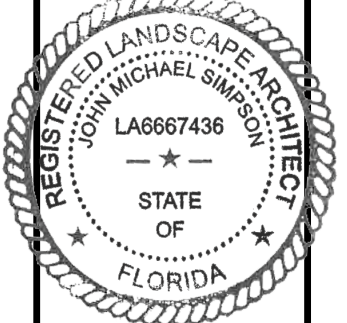


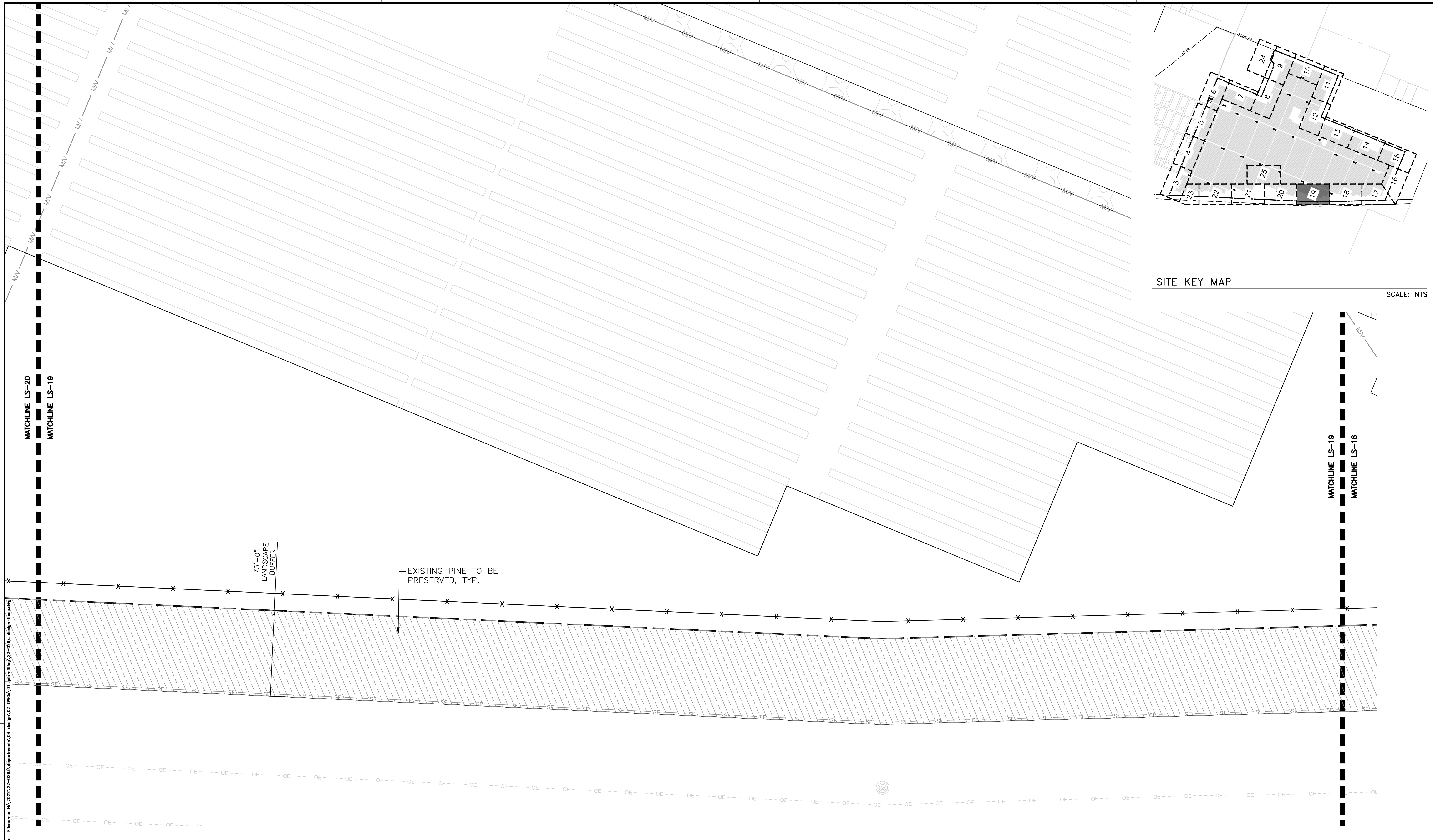
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 Text: jhb-mishara For Date: Sep 21, 2023 12:05pm


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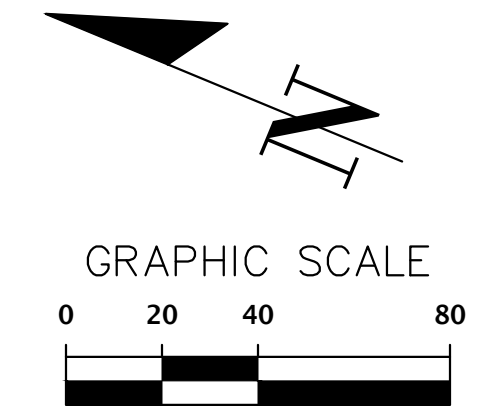
 CHW Professional Consultants	
SCALE: 1"=40' VERIFY SCALE BASED ON DATE ON ORIGINAL DRAWING 0 INCHES = 40 FEET THIS SHEET, ADJUST SCALES ACCORDINGLY.	
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CLIENT: ORIGIS ENERGY PROJECT: ORIGIS ENERGY SOLAR FACILITY SHEET NUMBER: 22-0264	CONSTRUCTION REVISIONS: SUBMITTALS: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY SHEET TITLE: LANDSCAPE PLAN
SHEET NO.: LS-18	



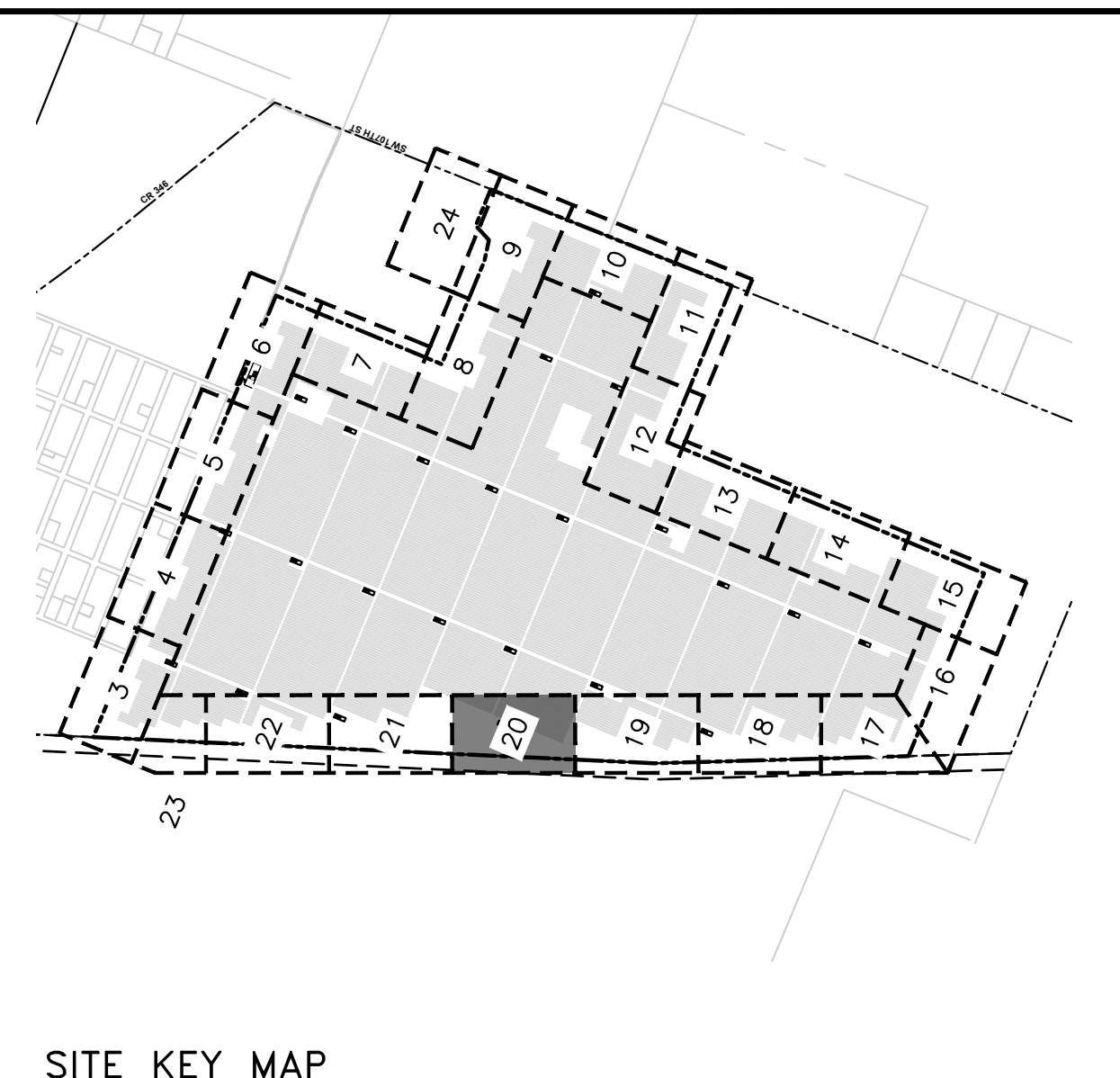
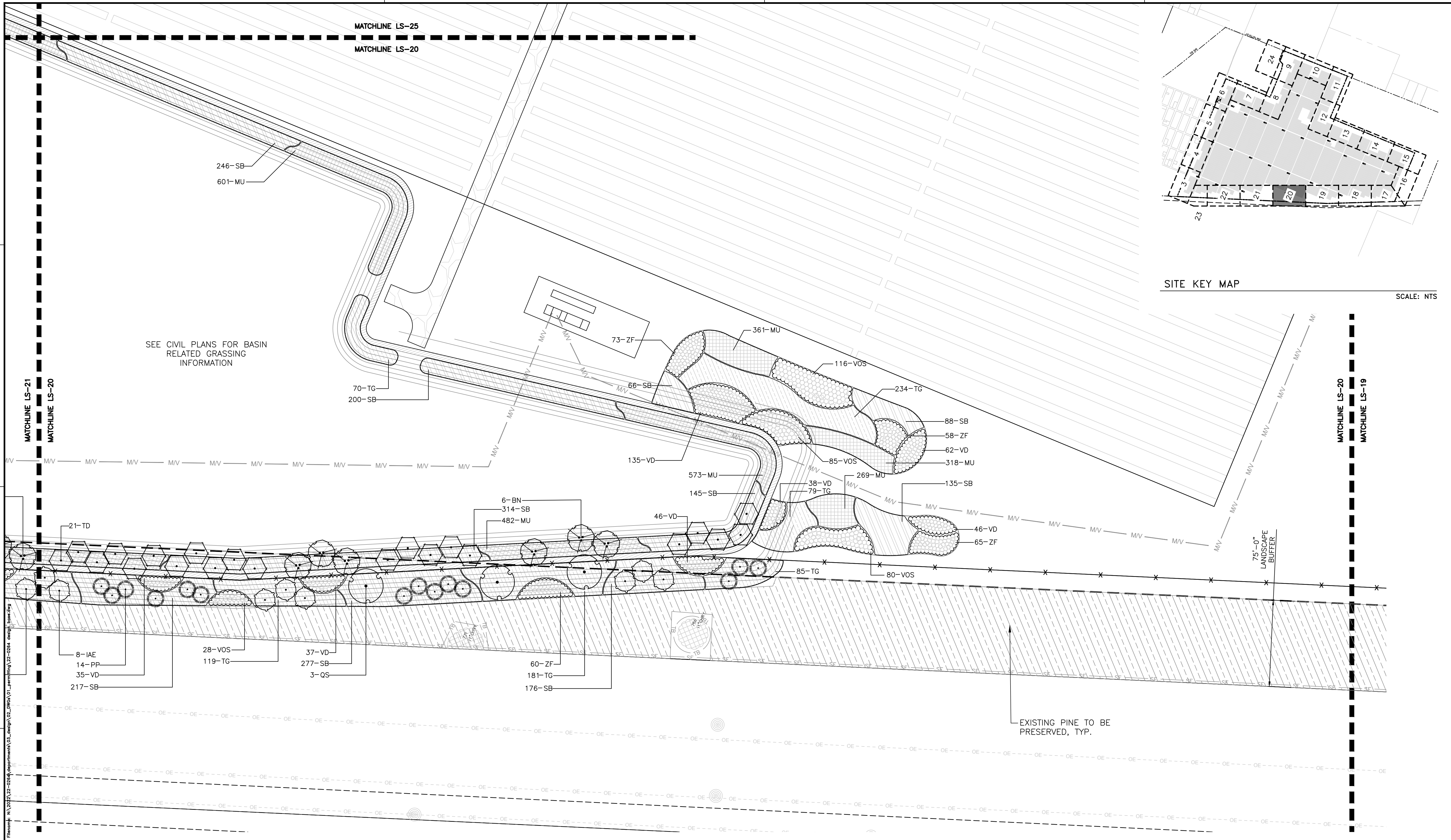


SITE KEY MAP
SCALE: NTS

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SCALE: 1"=40' VERIFY SCALE BASED ON SCALE ON ORIGINAL DRAWING 0 IF ANY SCALE DIFFERENCES THIS SHEET, ADJUST SCALES ACCORDINGLY.	CONSTRUCTION/REV. REVISIONS
CLIENT: ORIGIS ENERGY PROJECT: ORIGIS ENERGY SOLAR FACILITY SHEET TITLE: LANDSCAPE PLAN	SUBMITTALS: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY
DESIGNER: JMS QUALITY CONTROL: JMS PROJECT NUMBER: 22-0264	SHEET NO.: LS-19



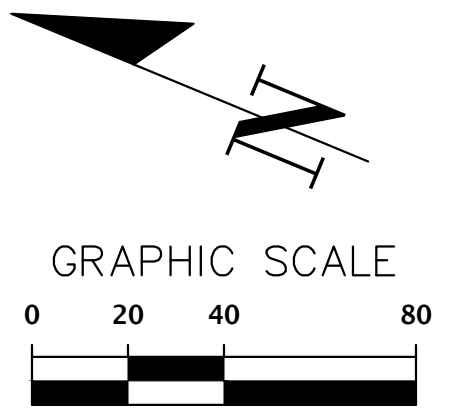
SEE CIVIL PLANS FOR BASIN RELATED GRASSING INFORMATION

EXISTING PINE TO BE PRESERVED, TYP.

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LEGEND

	EXISTING TREES TO REMAIN		(IAE) EAST PALATKA HOLLY		(QS) SHUMARD OAK		(TD) BALD CYPRESS
	(BN) RIVER BIRCH		(JS) SOUTHERN RED CEDAR		(QV) LIVE OAK		(UA) WINGED ELM
	(CC) EASTERN REDBUD		(MC) WAX MYRTLE		(VOS) WALTER'S VIBURNUM		
	(PP) LONGLEAF PINE						



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CONSTRUCTION/REV. REVISIONS

SUBMITTALS:
 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY
 PROJECT: ORGIS ENERGY SOLAR FACILITY
 SHEET NUMBER: 22-0264
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL BISHOP
 LA6667436
 STATE OF FLORIDA

SHEET NO: **LS-20**

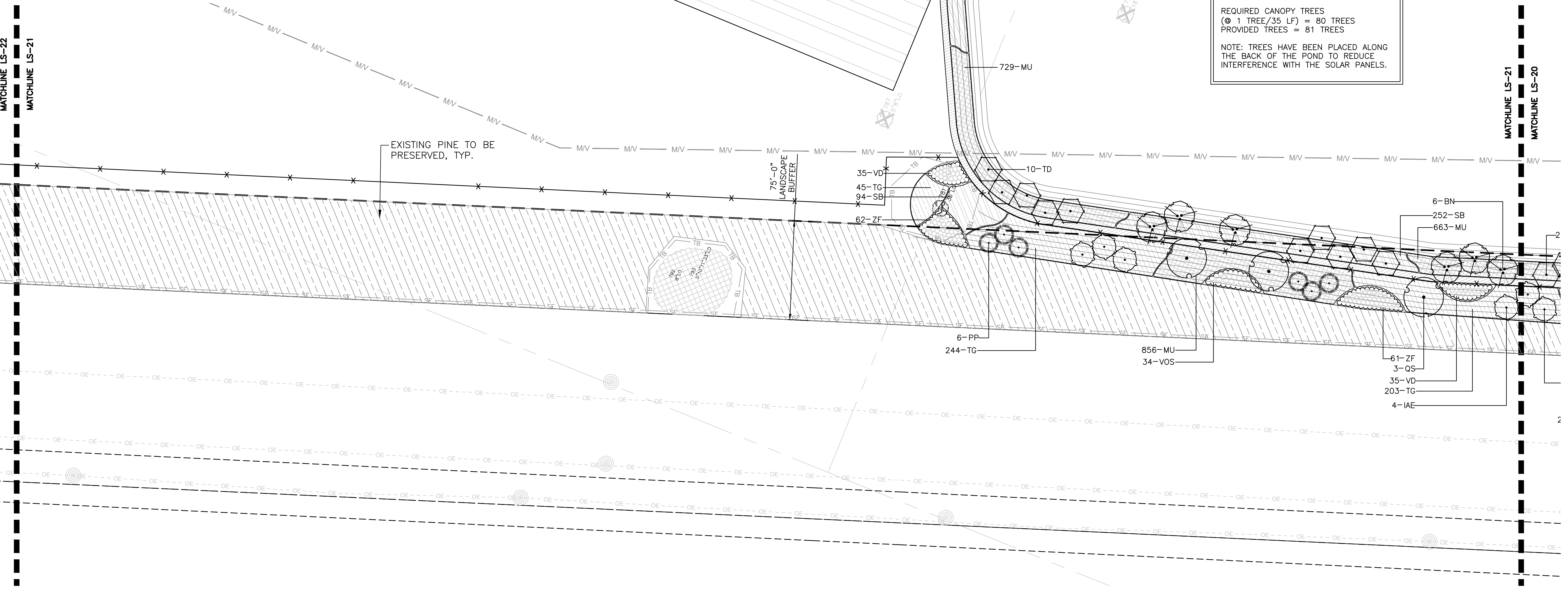


SITE KEY MAP

SCALE: NTS

MATCHLINE LS-22
MATCHLINE LS-21

MATCHLINE LS-21
MATCHLINE LS-20



EXISTING PINE TO BE PRESERVED, TYP.

75'-0" LANDSCAPE BUFFER

SEE CIVIL PLANS FOR BASIN RELATED GRASSING INFORMATION

SMF CALCULATIONS
 BASIN AREA = 363,712 SF
 BASIN PERIMETER = 2,815 LF

REQUIRED VEGETATION
 (@ 25% OF BASIN AREA) = 90,930 SF
 PROVIDED VEGETATION = 91,600 SF

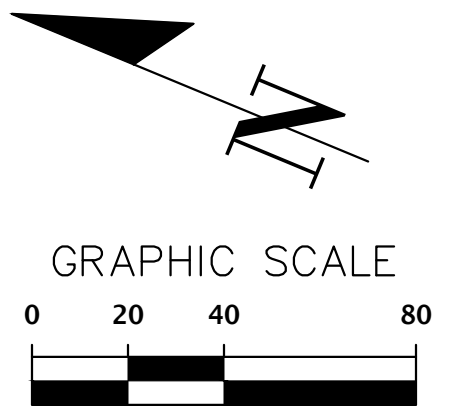
REQUIRED CANOPY TREES
 (@ 1 TREE / 35 LF) = 80 TREES
 PROVIDED TREES = 81 TREES

NOTE: TREES HAVE BEEN PLACED ALONG THE BACK OF THE POND TO REDUCE INTERFERENCE WITH THE SOLAR PANELS.

LEGEND

- | | | | | | | | |
|--|--------------------------|--|--------------------------|--|-------------------------|--|-------------------|
| | EXISTING TREES TO REMAIN | | (IAE) EAST PALATKA HOLLY | | (GS) SHUMARD OAK | | (TD) BALD CYPRESS |
| | (BN) RIVER BIRCH | | (JS) SOUTHERN RED CEDAR | | (QV) LIVE OAK | | (UA) WINGED ELM |
| | (CC) EASTERN REDBUD | | (MC) WAX MYRTLE | | (VOS) WALTER'S VIBURNUM | | |
| | (PP) LONGLEAF PINE | | | | | | |

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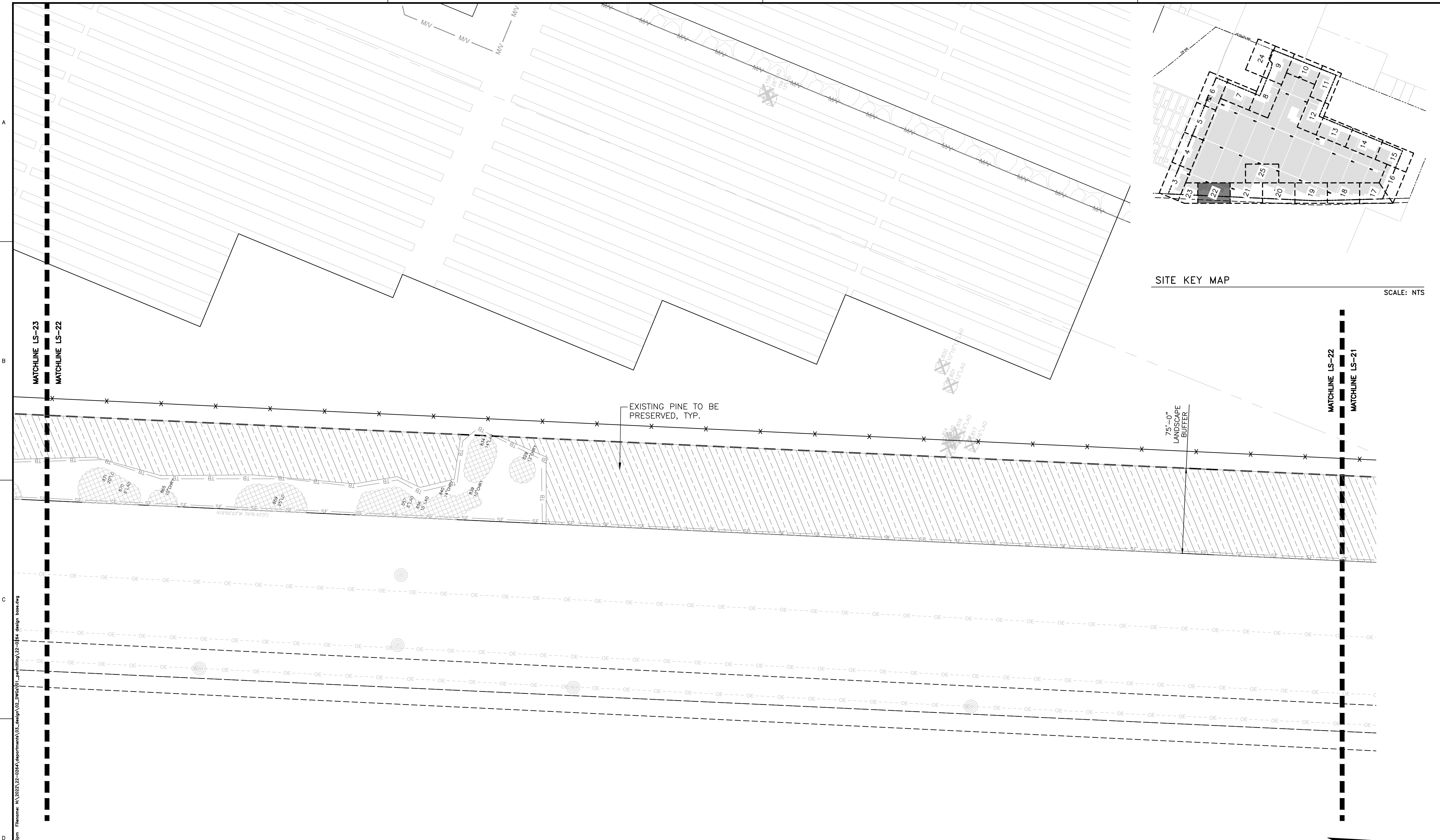
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 CONSTRUCTION/REVISIONS

DATE: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY
 PROJECT: ORGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

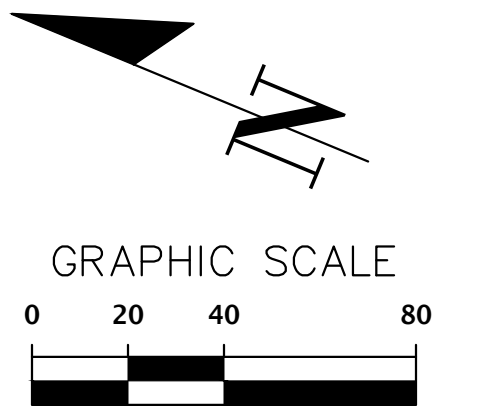
DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

SHEET NO.: LS-21



SITE KEY MAP SCALE: NTS

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 THIS SHEET, ADJUST
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DATE: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

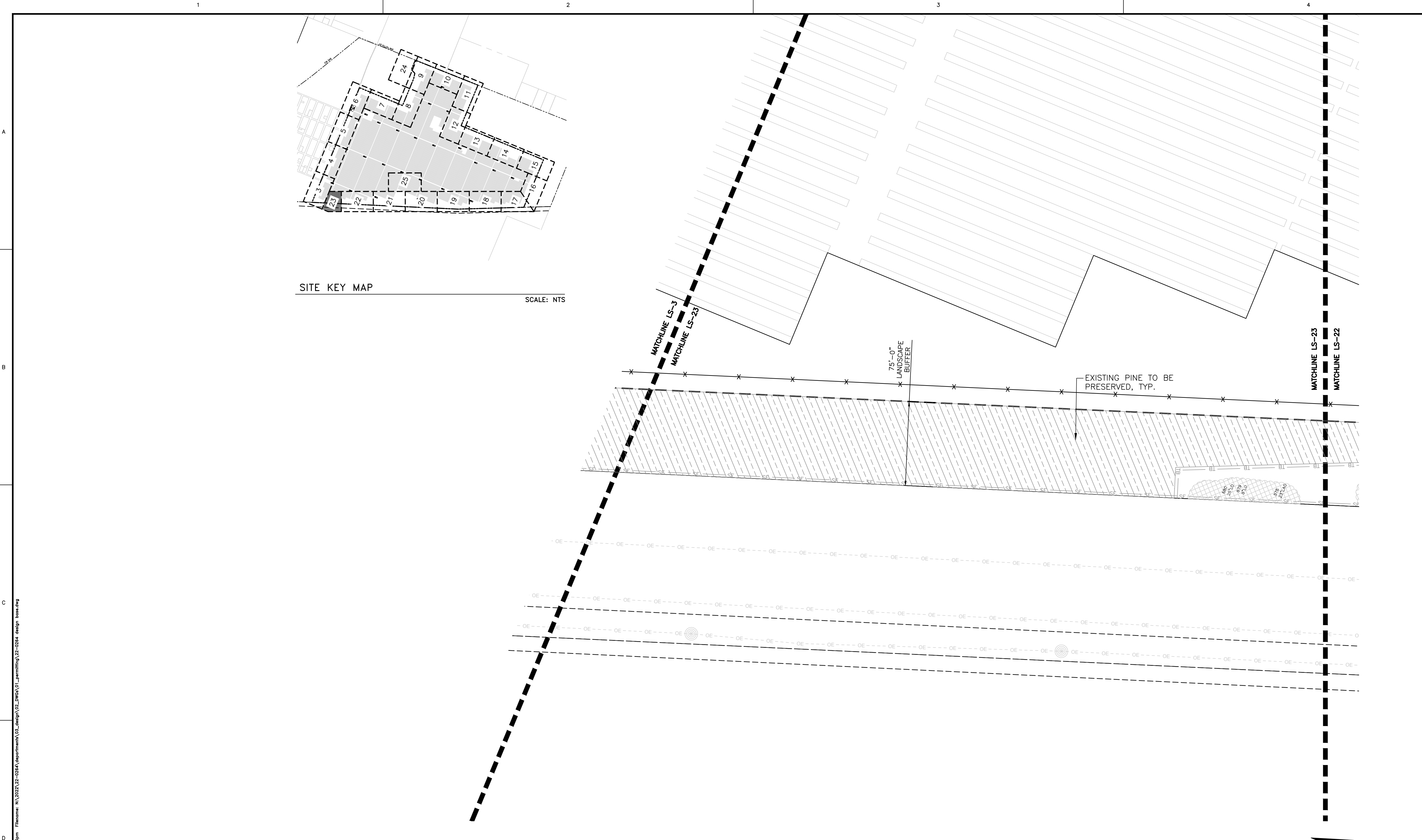
CLIENT: ORIGIS ENERGY
 PROJECT: ORIGIS ENERGY SOLAR FACILITY
 SHEET TITLE: LANDSCAPE PLAN

DESIGNER: JMS
 QUALITY CONTROL: JMS
 PROJECT NUMBER: 22-0264

REGISTERED LANDSCAPE ARCHITECT
 JOHN MICHAEL BIRNBAUM
 LA6667436
 STATE OF FLORIDA

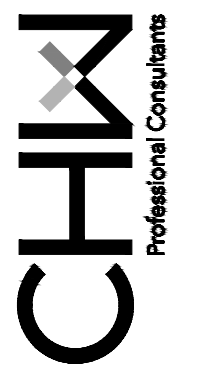
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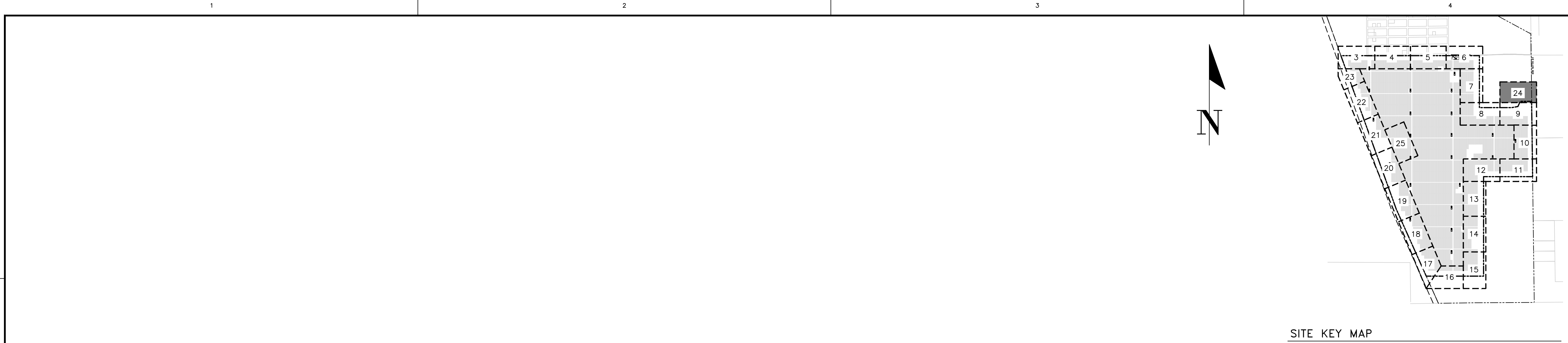
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 Plot Date: Sep 21, 2023 12:08pm
 User: jmh-mishra



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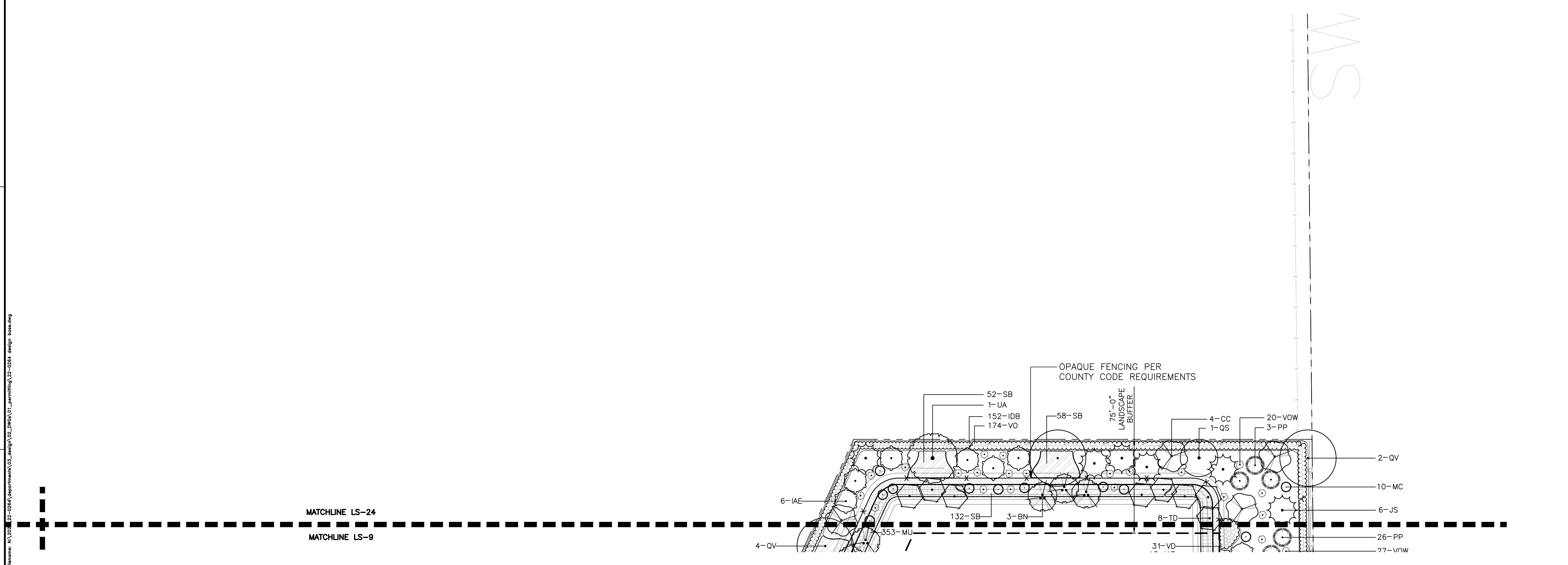
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SCALE: 1"=40' VERIFY SCALE BASED ON THE ORIGINAL DRAWING 0 INCHES = 40 FEET THIS SHEET, ADJUST SCALES ACCORDINGLY.	CONSTRUCTION/REV REVISIONS	SUBMITTALS: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY
CLIENT: ORGIS ENERGY PROJECT: ORGIS ENERGY SOLAR FACILITY SHEET NUMBER: 22-0264	DESIGNER: JMS QUALITY CONTROL: JMS PROJECT NUMBER: 22-0264	REGISTERED LANDSCAPE ARCHITECT JOHN MICHAEL BIRNBAUM LA6667436 STATE OF FLORIDA
SHEET NO.: LS-23		LANDSCAPE PLAN



SITE KEY MAP

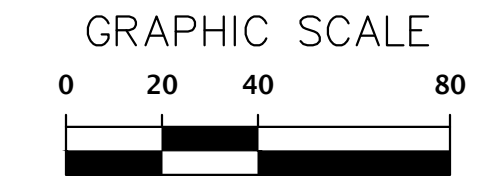
SCALE: NTS



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LEGEND

	EXISTING TREES TO REMAIN		(IAE) EAST PALATKA HOLLY		(QS) SHUMARD OAK		(TD) BALD CYPRESS
	(BN) RIVER BIRCH		(JS) SOUTHERN RED CEDAR		(QV) LIVE OAK		(UA) WINGED ELM
	(CC) EASTERN REDBUD		(MC) WAX MYRTLE				(VOS) WALTER'S VIBURNUM
			(PP) LONGLEAF PINE				



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SCALE: 1"=40'

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CONSTRUCTION/REV REVISIONS

DATE: 06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
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09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORIGIS ENERGY

PROJECT: ORIGIS ENERGY SOLAR FACILITY

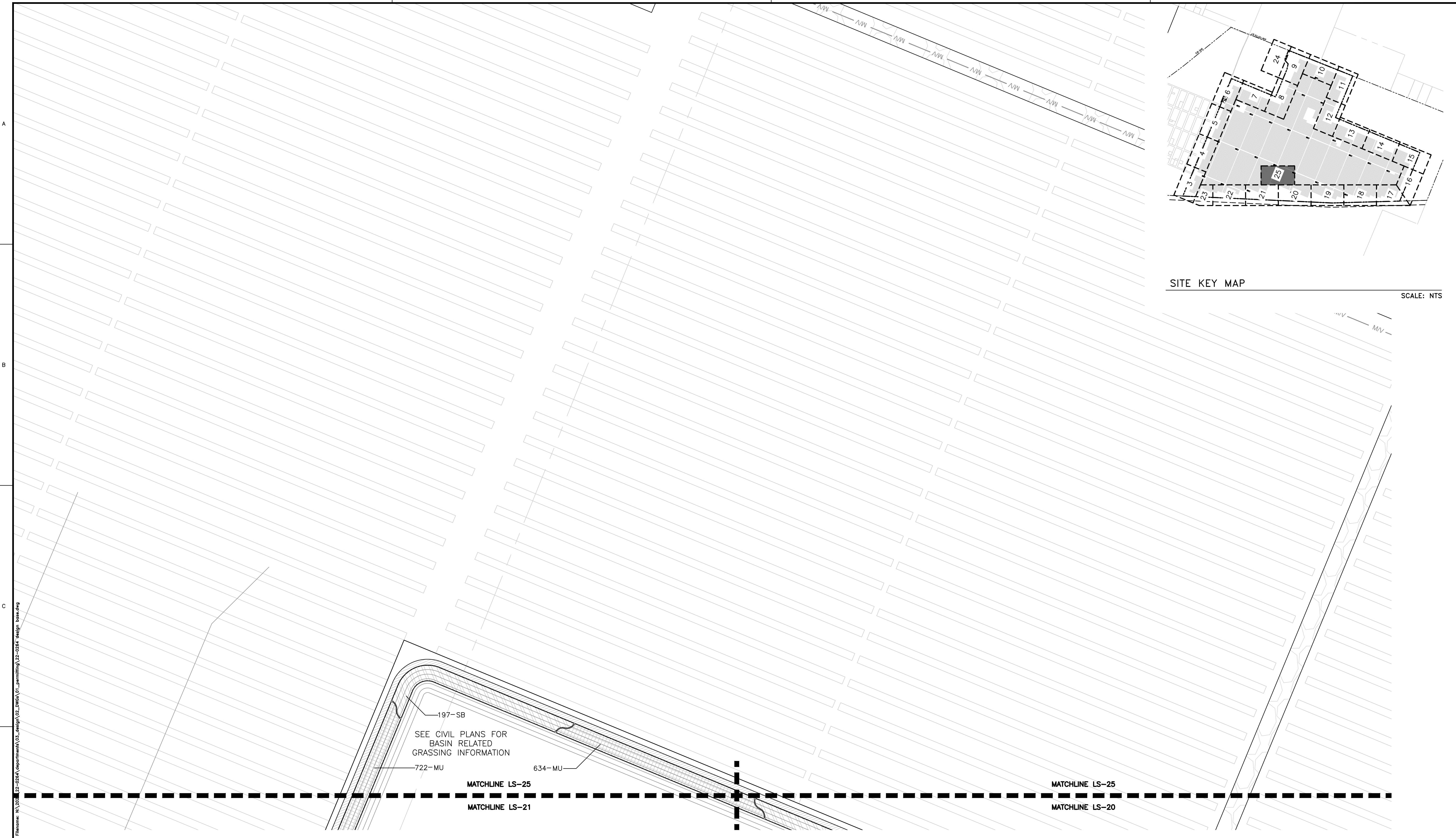
DESIGNER: JMS

QUALITY CONTROL: JMS

PROJECT NUMBER: 22-0264

SHEET TITLE: LANDSCAPE PLAN

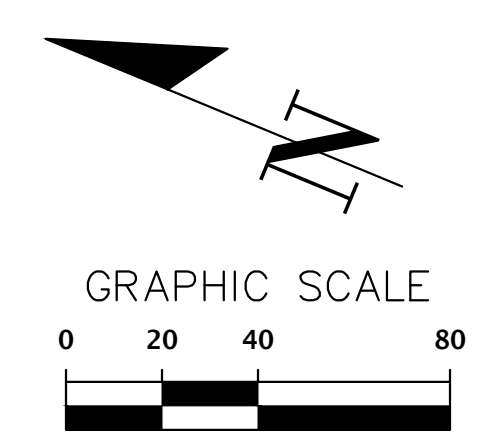
SHEET NO: **LS-24**



SITE KEY MAP SCALE: NTS

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SHEET NO.: LS-25				

TREES TO BE REMOVED

TAG #	LISTED SIZE	COMMON NAME	MITIGATION INCHES
3	32" LAO	Laurel Oak	2
4	12" LAO	Laurel Oak	0
5	27" LAO	Laurel Oak	0
6	18" LAO	Laurel Oak	0
7	21" LO	Live Oak	21
8	20" CHRY	Cherry	20
9	10" LO	Live Oak	2
10	22" LAO	Laurel Oak	0
11	14" CHRY	Cherry	2
12	10" LAO	Laurel Oak	0
13	17" LAO	Laurel Oak	0
14	15" LAO	Laurel Oak	0
15	26" LAO	Laurel Oak	0
16	9" LAO	Laurel Oak	0
17	10" LAO	Laurel Oak	0
18	8" LAO	Laurel Oak	0
19	8" 11" LAO	Laurel Oak	0
20	8" LAO	Laurel Oak	0
21	16" LAO	Laurel Oak	0
22	8" LAO	Laurel Oak	0
33	20" LO	Live Oak	20
34	27" LAO	Laurel Oak	0
35	29" LAO	Laurel Oak	0
36	29" LAO	Laurel Oak	0
37	31" LAO	Laurel Oak	2
38	34" LAO	Laurel Oak	2
39	29" LAO	Laurel Oak	0
40	30" LAO	Laurel Oak	2
41	35" LAO	Laurel Oak	2
42	31" LAO	Laurel Oak	2
43	29" LAO	Laurel Oak	0
44	26" 26" LAO	Laurel Oak	2
45	8" SUGAR	Sugarberry	2
46	37" LAO	Laurel Oak	2
47	10" SUGAR	Sugarberry	2
48	20" LAO	Laurel Oak	0
49	30" LAO	Laurel Oak	2
50	27" LAO	Laurel Oak	0
51	38" LAO	Laurel Oak	2
52	38" LAO	Laurel Oak	2
107	35" LAO	Laurel Oak	2
118	30" LAO	Laurel Oak	2
119	16" 24" LAO	Laurel Oak	2
137	33" LAO	Laurel Oak	2
143	30" LAO	Laurel Oak	2
144	30" LAO	Laurel Oak	2
145	35" LAO	Laurel Oak	2
158	26" LAO	Laurel Oak	0
159	13" LAO	Laurel Oak	0
265	8" 8" 12" LAO	Laurel Oak	0
266	19" LAO	Laurel Oak	0
267	11" LAO	Laurel Oak	0
268	11" 16" LAO	Laurel Oak	0
269	12" CHRY	Cherry	2

IMPACTED TREES

TAG #	LISTED SIZE	COMMON NAME	MITIGATION INCHES
270	20" LAO	Laurel Oak	0
271	13" LAO	Laurel Oak	0
272	20" LAO	Laurel Oak	0
273	20" LAO	Laurel Oak	0
274	15" 15" LAO	Laurel Oak	2
323	10" LAO	Laurel Oak	0
324	15" LAO	Laurel Oak	0
325	10" 12" 9" LAO	Laurel Oak	2
326	15" LAO	Laurel Oak	0
465	7" 13" LAO	Laurel Oak	0
466	14" LAO	Laurel Oak	0
497	12" LAO	Laurel Oak	0
502	12" LAO	Laurel Oak	0
507	13" LAO	Laurel Oak	0
519	12" CHRY	Cherry	2
524	8" CHRY	Cherry	2
525	8" 12" LAO	Laurel Oak	0
530	8" LAO	Laurel Oak	0
535	11" 12" LAO	Laurel Oak	0
560	16" LAO	Laurel Oak	0
565	12" LAO	Laurel Oak	0
570	15" LAO	Laurel Oak	0
575	18" LAO	Laurel Oak	0
580	13" CHRY	Cherry	2
581	8" 17" LAO	Laurel Oak	0
586	10" LAO	Laurel Oak	0
587	9" LAO	Laurel Oak	0
588	15" LAO	Laurel Oak	0
593	6" 9" 10" LAO	Laurel Oak	0
598	12" LAO	Laurel Oak	0
603	9" 13" LAO	Laurel Oak	0
604	11" CHRY	Cherry	2
609	16" LAO	Laurel Oak	0
610	7" 11" LAO	Laurel Oak	0
776	18" LO	Live Oak	2
781	35" LO	Live Oak	38
787	5" 8" LO	Live Oak	2
800	10" 10" 12" LAO	Laurel Oak	2
801	12" LAO	Laurel Oak	0
814	8" LAO	Laurel Oak	0
815	12" LAO	Laurel Oak	0
816	9" LAO	Laurel Oak	0
817	16" LAO	Laurel Oak	0
824	11" HOLLY	Holly	2
1178	8" LAO	Laurel Oak	0
1179	18" LAO	Laurel Oak	0
1180	19" LAO	Laurel Oak	0
1181	15" LAO	Laurel Oak	0
1182	14" LO	Live Oak	2
1183	32" 22" LAO	Laurel Oak	2
1184	35" LAO	Laurel Oak	2
1212	44" LAO	Laurel Oak	2
1223	24" LAO	Laurel Oak	0
1278	20" PINE	Pine	20

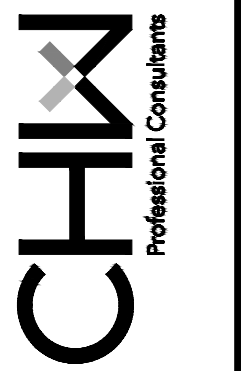
TAG #	LISTED SIZE	COMMON NAME	MITIGATION INCHES
1114	20" LAO	Laurel Oak	0
1115	17" LAO	Laurel Oak	0
1116	18" LAO	Laurel Oak	0
1117	18" LAO	Laurel Oak	0
1118	18" LAO	Laurel Oak	0
1119	14" LAO	Laurel Oak	0
1120	13" LAO	Laurel Oak	0
1123	8" LAO	Laurel Oak	0
1129	9" LAO	Laurel Oak	0
1130	8" LAO	Laurel Oak	0
1131	17" LO	Live Oak	2
1132	19" LO	Live Oak	2
1133	9" LAO	Laurel Oak	0
1134	10" LAO	Laurel Oak	0
1135	9" LAO	Laurel Oak	0
1136	9" LAO	Laurel Oak	0
1138	11" LAO	Laurel Oak	0
1139	14" LAO	Laurel Oak	0
1140	24" LO	Live Oak	24
1150	16" LAO	Laurel Oak	0
1151	23" LO	Live Oak	23
1155	10" 20" LO	Live Oak	30.5
1156	25" LO	Live Oak	25
1189	29" LAO	Laurel Oak	0
1191	46" LAO	Laurel Oak	2
1195	42" LAO	Laurel Oak	2
1205	17" 28" LO	Live Oak	62
1208	8" CHRY	Cherry	2
1209	30" LAO	Laurel Oak	2
1211	28" LAO	Laurel Oak	0
1318	32" LAO	Laurel Oak	2
1319	9" LO	Live Oak	2
1320	29" LAO	Laurel Oak	0

TOTAL MITIGATION INCHES

TOTAL INCHES REQUIRED (REMOVED TREES)	193 INCHES
TOTAL INCHES REQUIRED (IMPACTED TREES)	180.5 INCHES
INCHES PROVIDED	410.0 INCHES
TOTAL SURPLUS INCHES	36.5 INCHES
MITIGATION REQUIRED (AT \$130/CAL. INCH)	NONE

NOTE:
IMPACTED TREES ARE TO REMAIN IN PLACE WHERE POSSIBLE. THE IMPACTED TREES ARE BEING FULLY MITIGATED SO THAT IN THE EVENT THAT THE IMPACTS TO THE TREES ARE GREATER THAN ANTICIPATED THEY MAY BE REMOVED FOR SAFETY PURPOSES.

11801 Research Drive
Alachua, Florida 32615
(352) 351-1976
www.chw-inc.com
est. 1988 FLORIDA
LA0001683



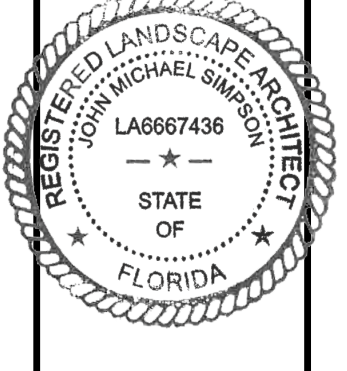
SCALE: N/A
VERIFY SCALE BY MEASURING ON ORIGINAL DRAWING
0 INCHES = 1" ON THIS SHEET. ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/REV REVISIONS

SUBMITTALS
06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

CLIENT: ORGIS ENERGY
PROJECT: ORGIS ENERGY SOLAR FACILITY
SHEET TITLE: MITIGATION CALCULATIONS

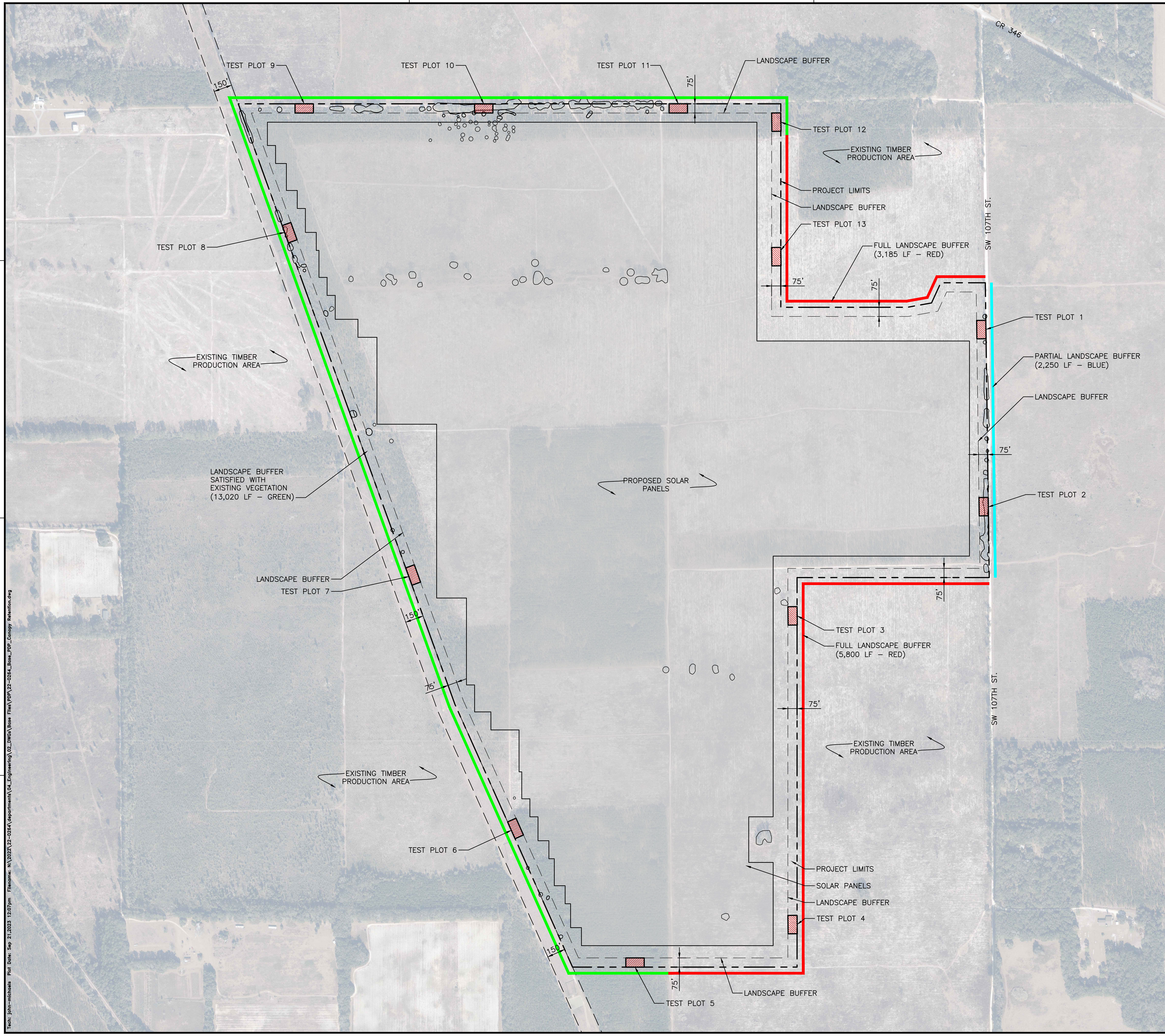
DESIGNER: JMS
CHECKER: JMS
PROJECT NUMBER: 22-0264



SHEET NO.: LS-26

File Name: N:\2023\22-0264\Department\03_design\02_DWG\01_permitting\22-0264_design_base.dwg
Text: jhb-mishara For Date: Sep 21, 2023 12:05pm

**KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG**
It's fast, it's free, it's the law.
Call 811 two business days before digging



METHODOLOGY

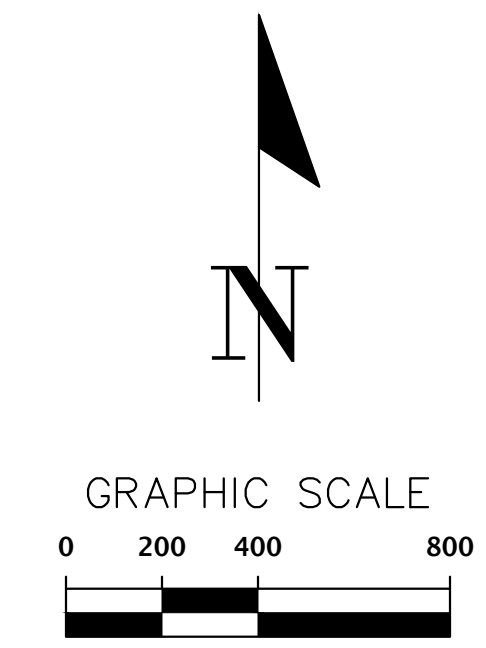
A 75' HIGH DENSITY BUFFER IS REQUIRED PER COUNTY CODE (ULDC 404.50.5). THIS APPLICATION IS PROPOSING TO UTILIZE EXISTING VEGETATION WHERE AVAILABLE TO MEET THE BUFFER STANDARDS. THIS EXISTING VEGETATION CONSISTS OF REGULATED TREES, PLANTED PINE, AND OTHER UNDERGROWTH.

IN ORDER TO DETERMINE AN ESTIMATE OF THE NUMBER OF EXISTING TREES AROUND THE PERIMETER OF THE SITE, 13 TEST PLOTS LOCATION WERE IDENTIFIED. EACH TEST PLOT WAS 150' BY 75' IN SIZE. THE EXISTING VEGETATION IN THESE TEST PLOTS WAS THEN RECORDED AND EXTRAPOLATED TO THE SURROUNDING AREA.

THE EXISTING VEGETATION WILL BE PRESERVED ALONG PORTIONS OF THE SITE IN ORDER TO FULFILL THE LANDSCAPE BUFFER REQUIREMENTS. LANDSCAPE HAS BEEN PROPOSED IN ALL OTHER AREAS THAT DID NOT HAVE EXISTING VEGETATION TO MEETING THE BUFFER REQUIREMENTS AS SHOWN ON THE LANDSCAPE PLANS.

THREE TYPICAL CONDITIONS WERE FOUND ON THE SITE. THE NORTHERN AND WESTERN PERIMETER OF THE SITE WAS FOUND TO HAVE ENOUGH EXISTING VEGETATION TO FULFILL THE LANDSCAPE BUFFER REQUIREMENTS. THE AREA ADJACENT TO SW 107TH ST ALONG THE EASTERN SIDE OF THE PROJECT HAD SOME EXISTING VEGETATION THAT WILL BE PRESERVED TO HELP OFFSET PART OF THE LANDSCAPE REQUIREMENTS BUT THIS AREA WILL REQUIRE SUPPLEMENTAL LANDSCAPE TO MEET THE CODE. FINALLY, PORTIONS ALONG THE EASTERN AND SOUTHERN PERIMETER OF THE PROJECT SITE WILL REQUIRE A FULL LANDSCAPE BUFFER AS THE EXISTING PLANTED PINE IS NOT ADEQUATE TO FULFILL THE BUFFER REQUIREMENTS.

<p>TEST PLOT 1</p> <p>REGULATED TREES: 0 PLANTED PINE: 57 (APPROX. 1' HT) OTHER TREES: 26 (LESS THAN 4' HT) SHRUBS: 11</p>	<p>TEST PLOT 8</p> <p>REGULATED TREES: 3 PLANTED PINE: 53 (ABOVE 10' HT) OTHER TREES: 39 SHRUBS: 20</p>
<p>TEST PLOT 2</p> <p>REGULATED TREES: 11 PLANTED PINE: 71 (APPROX. 1' HT) OTHER TREES: 99 SHRUBS: 19</p>	<p>TEST PLOT 9</p> <p>REGULATED TREES: 0 PLANTED PINE: 22 (ABOVE 20' HT) OTHER TREES: 65 SHRUBS: 21</p>
<p>TEST PLOT 3</p> <p>REGULATED TREES: 0 PLANTED PINE: 86 (APPROX. 1' HT) OTHER TREES: 3 SHRUBS: 3</p>	<p>TEST PLOT 10</p> <p>REGULATED TREES: 10 PLANTED PINE: 39 (ABOVE 20' HT) OTHER TREES: 26 SHRUBS: 11</p>
<p>TEST PLOT 4</p> <p>REGULATED TREES: 0 PLANTED PINE: 131 (APPROX. 1' HT) OTHER TREES: 2 SHRUBS: 2</p>	<p>TEST PLOT 11</p> <p>REGULATED TREES: 0 PLANTED PINE: 117 (ABOVE 10' HT) OTHER TREES: 10 SHRUBS: 7</p>
<p>TEST PLOT 5</p> <p>REGULATED TREES: 0 PLANTED PINE: 155 (ABOVE 30' HT) OTHER TREES: 4 SHRUBS: 6</p>	<p>TEST PLOT 12</p> <p>REGULATED TREES: 0 PLANTED PINE: 80 (ABOVE 10' HT) OTHER TREES: 13 SHRUBS: 34</p>
<p>TEST PLOT 6</p> <p>REGULATED TREES: 0 PLANTED PINE: 99 (ABOVE 30' HT) OTHER TREES: 10 SHRUBS: 15</p>	<p>TEST PLOT 13</p> <p>REGULATED TREES: 0 PLANTED PINE: 139 (APPROX. 1' HT) OTHER TREES: 1 SHRUBS: 2</p>
<p>TEST PLOT 7</p> <p>REGULATED TREES: 0 PLANTED PINE: 107 (ABOVE 10' HT) OTHER TREES: 3 SHRUBS: 39</p>	



File Name: \\NA\2023\22-0264\Department\04_Engineering\02_DWG\04_Vapor\02-0264_Brew_Plan_PDF_Compact_Retention.dwg
 Plot Date: Sep 21, 2023 12:07pm
 User: jph-mishra

11801 Research Drive
 Alachua, Florida 32615
 (352) 331-1976
 www.chw-inc.com

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 CA-5075

CHW

Professional Consultants

SCALE: 1"=400'

VERIFY SCALE
 BEFORE SCALE
 ORIGINAL DRAWING
 IF ANY SCALE CHANGES
 THIS SHEET ADJUST
 SCALES ACCORDINGLY.

CONSTRUCTION PERSONNEL

06/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 07/31/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/05/2023 - SUBMITTAL TO ALACHUA COUNTY
 09/21/2023 - SUBMITTAL TO ALACHUA COUNTY

LANDSCAPE BUFFER CALCULATIONS

CLIENT: ORIGIS ENERGY

PROJECT: ORIGIS ENERGY SOLAR FACILITY

SHEET TITLE: LANDSCAPE BUFFER CALCULATIONS

PROJECT NUMBER: 22-0264

CONTRACTOR: W&M

DESIGNER: JMS

QUALITY CONTROL: JMS

PROJECT NUMBER: 22-0264

SHEET NO. LS-27