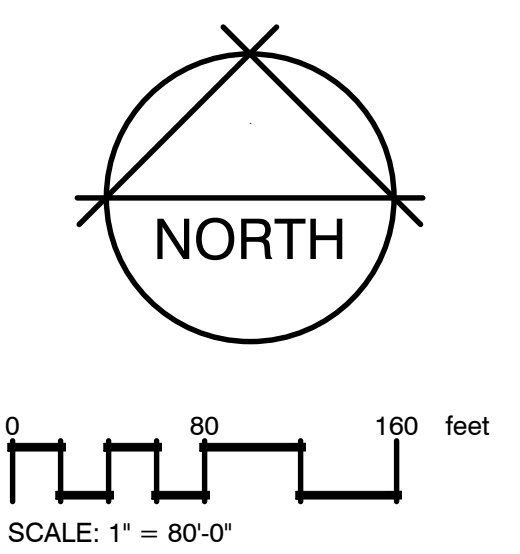


SHEET INDEX	
L100	KEY SHEET
L110 - L114	TREE MITIGATION
L120	TREE CHARTS
L200	NOTES, CALCULATIONS, AND DETAILS
L210 - L214	LANDSCAPE PLANS
L220	PLANT SCHEDULE

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No.	Date	Comment
1	2023-10-01	PER COUNTY COMMENTS
2	2023-12-03	PER COUNTY COMMENTS
3	2024-01-04	PER MINOR INSUFFICIENCY



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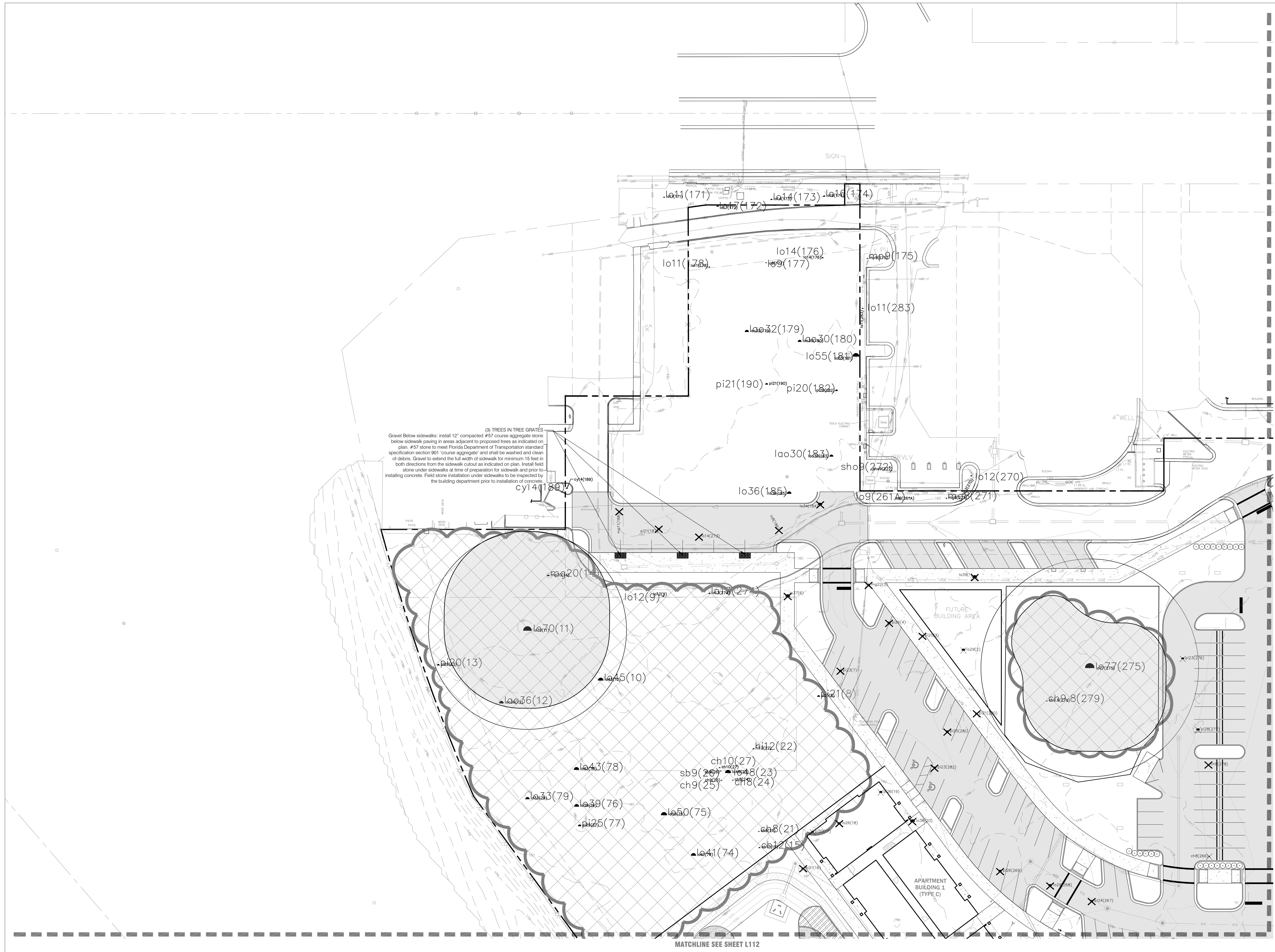
Project No: 23-043

Project Phase: COUNTY SUBMITTAL

Project Title:  
 SE QUAD SPRINGHILLS  
 ALACHUA COUNTY,  
 FLORIDA

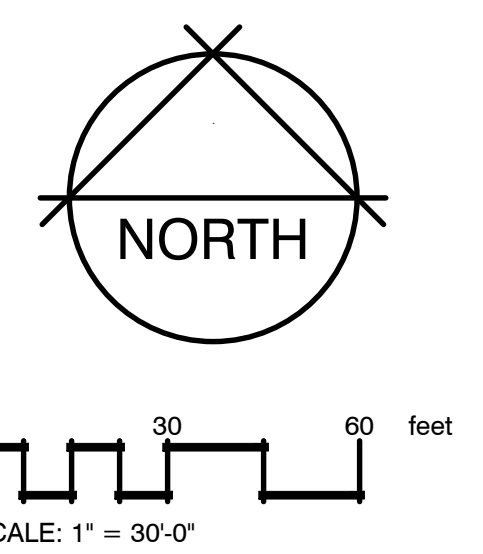
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Checked: KMD	
Date: 07/25/2023	

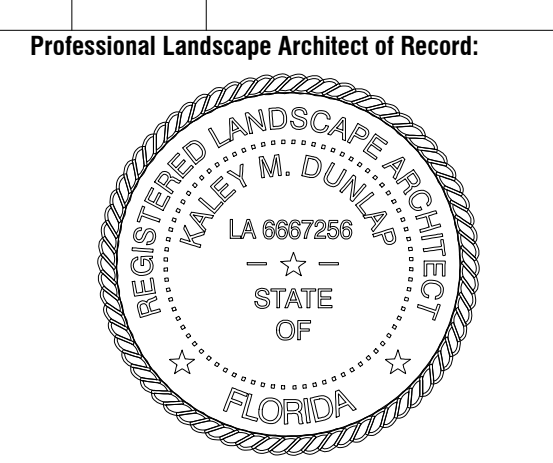


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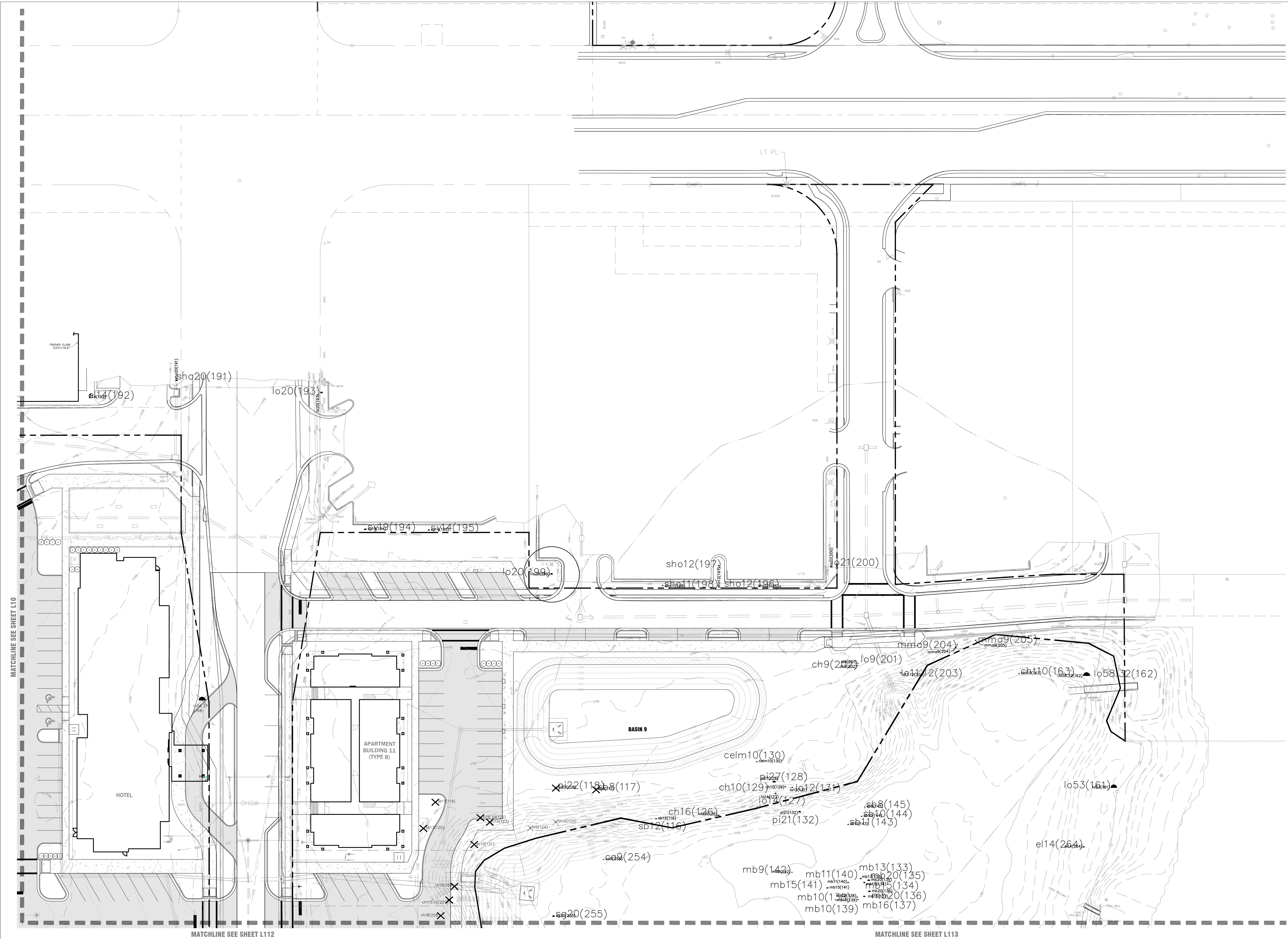
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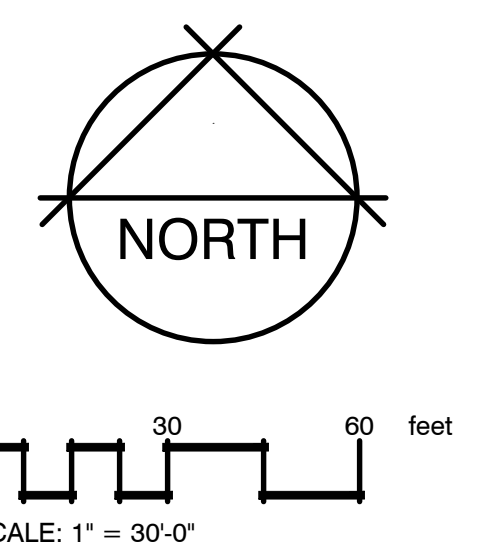
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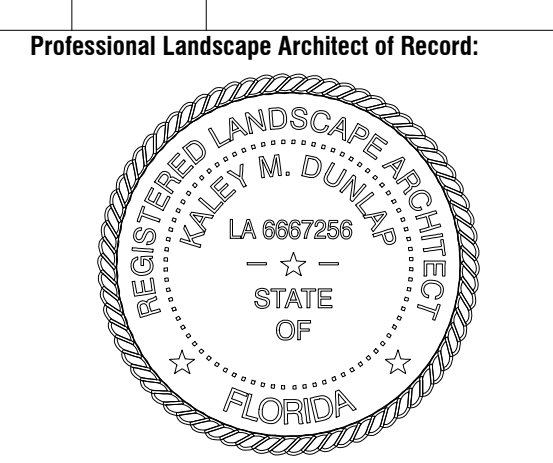


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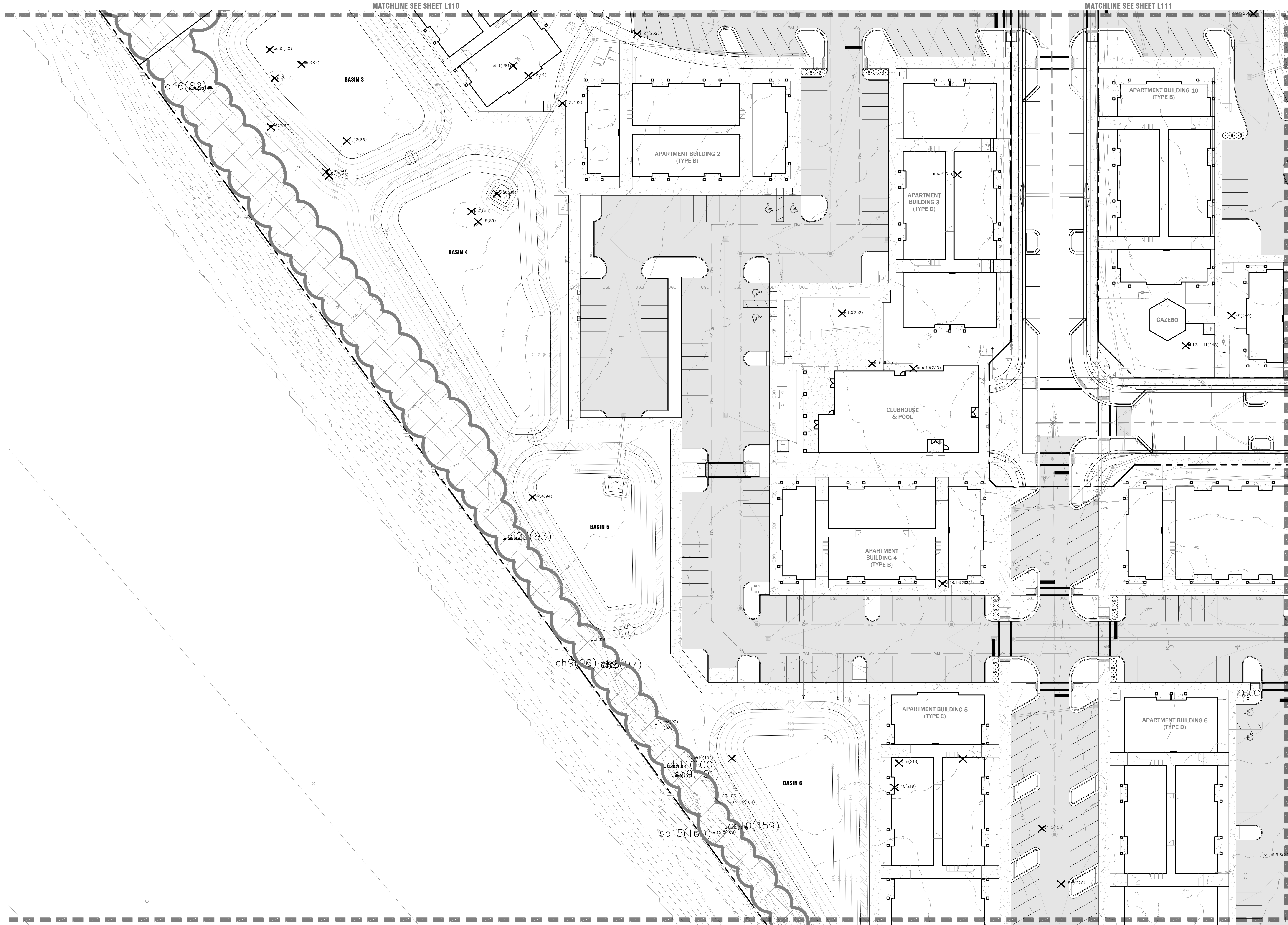
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 Date: 07/25/2023

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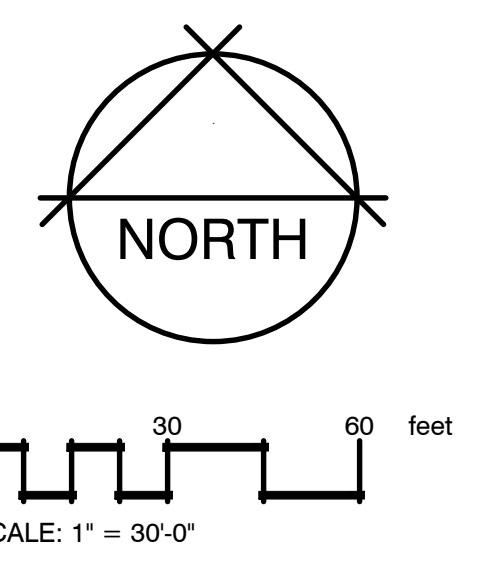
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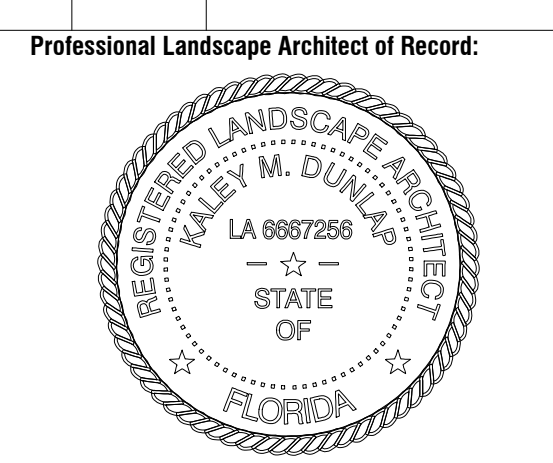


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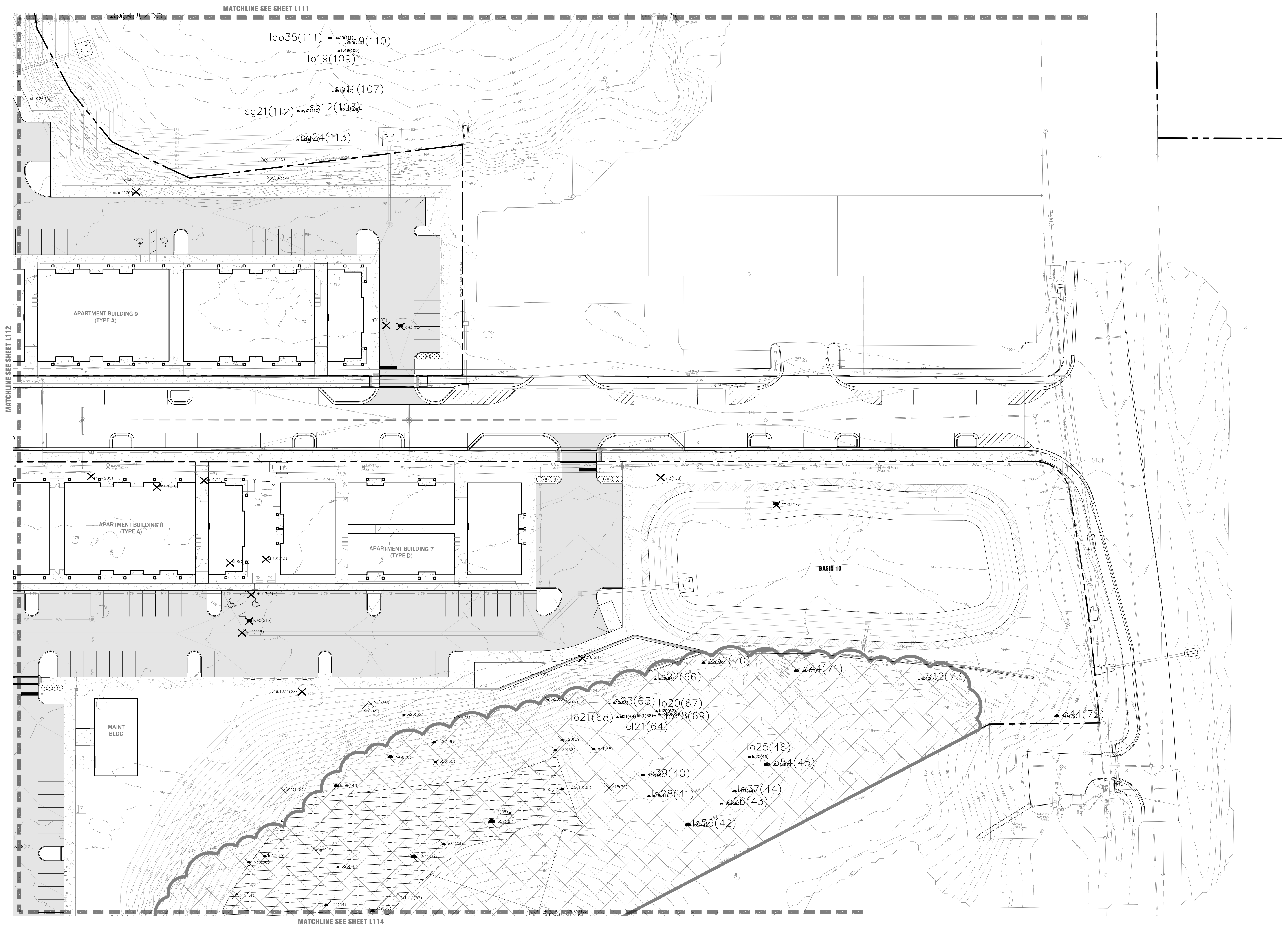
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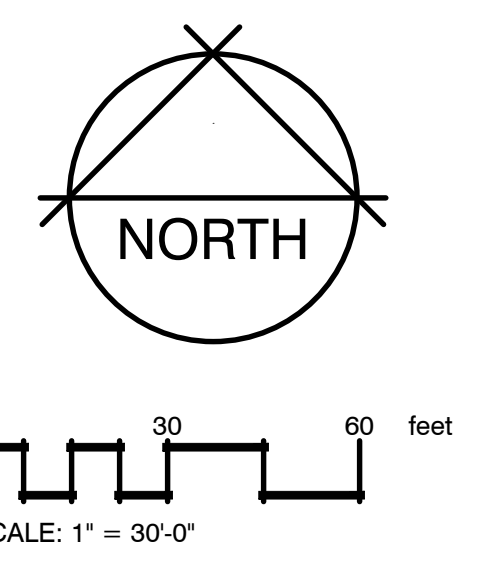
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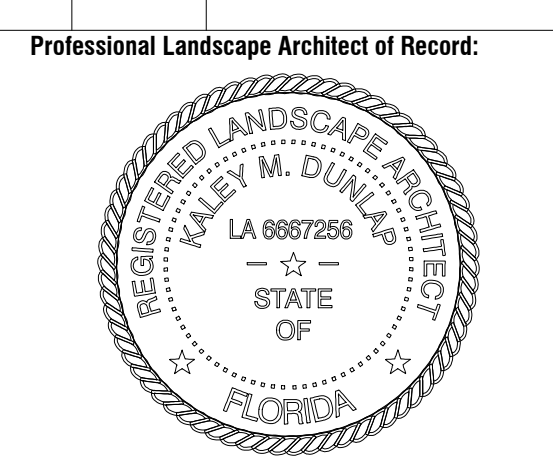


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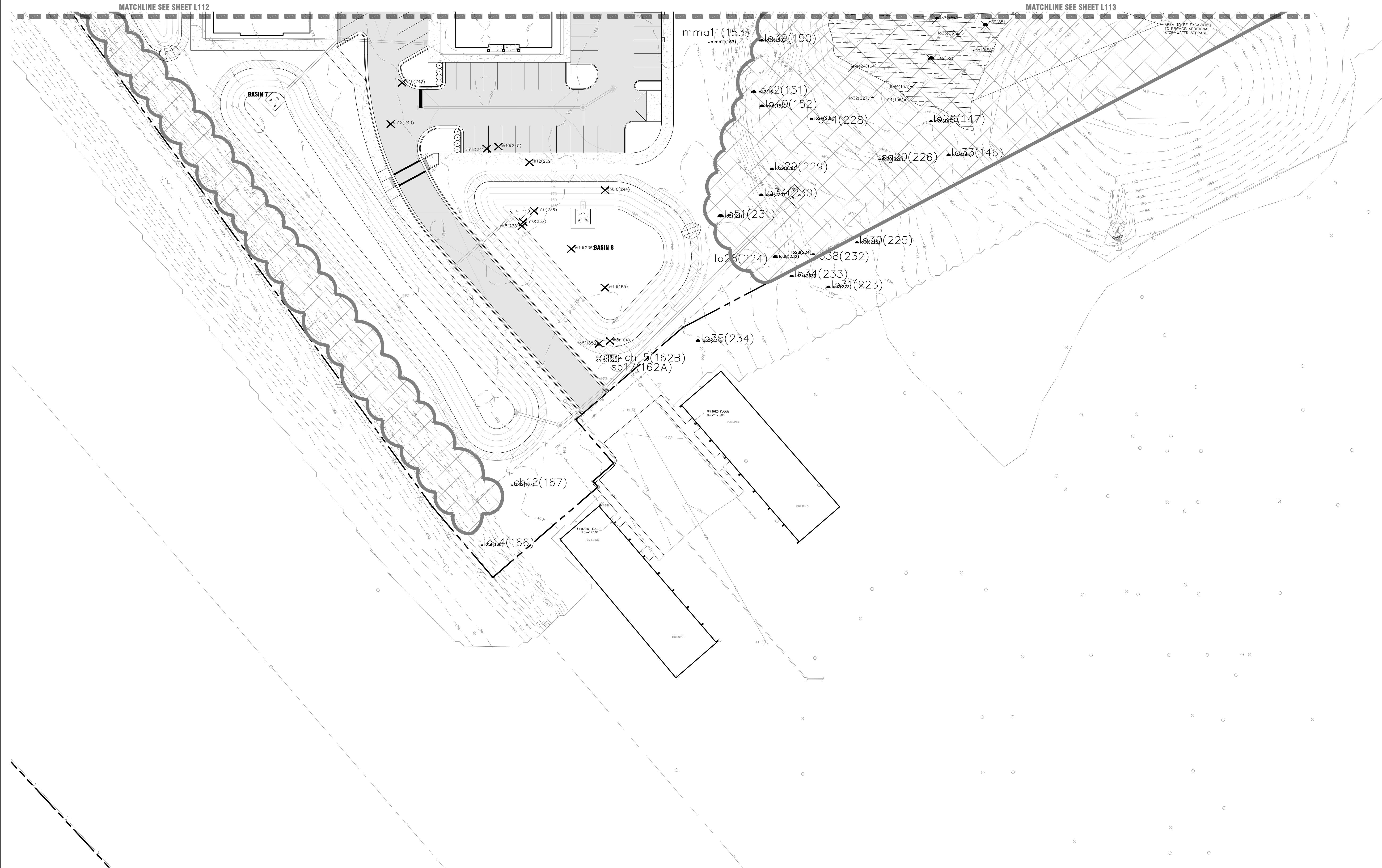
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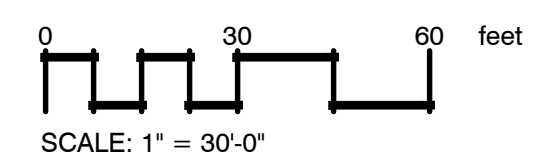
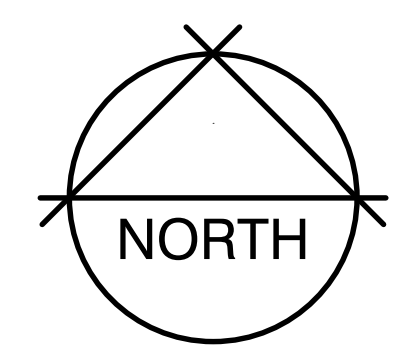
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 Drawn: ZPR  
 Checked: KMD  
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**L113**



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Project No. 23-043

Project Phase: COUNTY SUBMITTAL

Project Title:  
**SE QUAD SPRINGHILLS  
 ALACHUA COUNTY,  
 FLORIDA**

Sheet Title:  
**TREE MITIGATION**

Designed: KMD	Sheet No.:
Drawn: ZPR	<b>L114</b>
Checked: KMD	
Date: 07/25/2023	

Tree#	Abbr.	Common Name/Scientific name	1st trunk	2nd trunk	3rd trunk	4th trunk	Classification	Mitigation Tree for Tree	Mitigation Inches
1	lo	LIVE OAK/Quercus virginiana	39				Heritage		44
2	lo	LIVE OAK/Quercus virginiana	29				Heritage	1	29
3	pi	PINE/Pinus sp.	20				Heritage	1	
4	pi	PINE/Pinus sp.	26				Heritage	1	
5	mg	MAGNOLIA/Magnolia grandiflora	22				Heritage		22
6	lo	LIVE OAK/Quercus virginiana	37				Heritage		41
7	pi	PINE/Pinus sp.	23				Heritage	1	
16	pi	PINE/Pinus sp.	21				Heritage	1	
18	lo	LIVE OAK/Quercus virginiana	26				Heritage		26
20	lo	LIVE OAK/Quercus virginiana	38				Heritage		42.5
80	lao	LAUREL OAK/Quercus hemisphaerica	30				Heritage		30.5
81	pi	PINE/Pinus sp.	20				Heritage	1	
83	pi	PINE/Pinus sp.	27				Heritage	1	
84	pi	PINE/Pinus sp.	26				Heritage	1	
85	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
86	ch	BLACK CHERRY/Prunus serotina	12				Regulated	1	
87	ch	BLACK CHERRY/Prunus serotina	9				Regulated	1	
88	pi	PINE/Pinus sp.	21				Heritage	1	
89	ch	BLACK CHERRY/Prunus serotina	9				Regulated	1	
90	pi	PINE/Pinus sp.	22				Heritage	1	
91	lo	LIVE OAK/Quercus virginiana	18				Regulated	1	
92	lo	LIVE OAK/Quercus virginiana	27				Heritage		27
94	ch	BLACK CHERRY/Prunus serotina	14				Regulated	1	
105	ch	BLACK CHERRY/Prunus serotina	13	8			Regulated	2	
106	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
117	sb	SUGARBERRY/Celtis laevigata	8				Regulated	1	
118	pi	PINE/Pinus sp.	22				Heritage	1	
119	sb	SUGARBERRY/Celtis laevigata	11				Regulated	1	
120	sb	SUGARBERRY/Celtis laevigata	13				Regulated	1	
121	sb	SUGARBERRY/Celtis laevigata	10				Regulated	1	
122	hi	HICKORY/Carya sp.	16	10			Regulated	2	
123	hi	HICKORY/Carya sp.	10				Regulated	1	
157	lo	LIVE OAK/Quercus virginiana	52				Heritage		83
158	ch	BLACK CHERRY/Prunus serotina	13				Regulated	1	
163B	sb	SUGARBERRY/Celtis laevigata	8				Regulated	1	
164	sb	SUGARBERRY/Celtis laevigata	8				Regulated	1	
165	ch	BLACK CHERRY/Prunus serotina	13				Regulated	1	
168	lo	LIVE OAK/Quercus virginiana	58	37			Heritage		142
184	lo	LIVE OAK/Quercus virginiana	34				Heritage		36.5
186	lo	LIVE OAK/Quercus virginiana	8				Regulated	1	
187	pi	PINE/Pinus sp.	21				Heritage	1	
188	mp	RED MAPLE/Acer rubrum	11				Regulated	1	
199	lo	LIVE OAK/Quercus virginiana	20				Heritage (50%)		10
206	lo	LIVE OAK/Quercus virginiana	43				Heritage		56
207	lig	LIGUSTRUM/Ligustrum sp.	9				Regulated	1	
209	ch	BLACK CHERRY/Prunus serotina	19				Regulated	1	
210	ch	BLACK CHERRY/Prunus serotina	12				Regulated	1	
211	ch	BLACK CHERRY/Prunus serotina	9				Regulated	1	
212	ch	BLACK CHERRY/Prunus serotina	8				Regulated	1	
213	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
214	mma	MIMOSA/Albizia julibrissin	13				Regulated	1	
215	lo	LIVE OAK/Quercus virginiana	42				Heritage		53
216	pa	PALM/Sabal palmetto	12				Regulated	1	
217	ch	BLACK CHERRY/Prunus serotina	18	13			Regulated	2	
218	ch	BLACK CHERRY/Prunus serotina	8				Regulated	1	
219	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
220	ch	BLACK CHERRY/Prunus serotina	9	8			Regulated	2	
235	ch	BLACK CHERRY/Prunus serotina	13				Regulated	1	
236	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
237	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
238	ch	BLACK CHERRY/Prunus serotina	8				Regulated	1	
239	ch	BLACK CHERRY/Prunus serotina	12				Regulated	1	
240	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
241	ch	BLACK CHERRY/Prunus serotina	12				Regulated	1	
242	ch	BLACK CHERRY/Prunus serotina	10				Regulated	1	
243	ch	BLACK CHERRY/Prunus serotina	12				Regulated	1	
244	ch	BLACK CHERRY/Prunus serotina	8	8			Regulated	2	
247	lo	LIVE OAK/Quercus virginiana	16				Regulated	1	
248	ch	BLACK CHERRY/Prunus serotina	12	11	11		Regulated	3	
249	ch	BLACK CHERRY/Prunus serotina	9				Regulated	1	
250	mma	MIMOSA/Albizia julibrissin	13				Regulated	1	
251	mma	MIMOSA/Albizia julibrissin	9				Regulated	1	
252	lo	LIVE OAK/Quercus virginiana	10				Regulated	1	
253	mma	MIMOSA/Albizia julibrissin	9				Regulated	1	
256	cht	CHINESE TALLOW/Triadica sebifera	9				Regulated	1	
257	cht	CHINESE TALLOW/Triadica sebifera	15	10			Regulated	2	
258	cht	CHINESE TALLOW/Triadica sebifera	8				Regulated	1	
260	mma	MIMOSA/Albizia julibrissin	9				Regulated	1	
261	pi	PINE/Pinus sp.	21				Heritage	1	
262	pi	PINE/Pinus sp.	27				Heritage	1	
267	pi	PINE/Pinus sp.	24				Heritage	1	
268	lo	LIVE OAK/Quercus virginiana	29				Heritage		29
269	pi	PINE/Pinus sp.	26				Heritage	1	
273	lo	LIVE OAK/Quercus virginiana	14				Regulated	1	
278	ch	BLACK CHERRY/Prunus serotina	8				Regulated	1	
280	pi	PINE/Pinus sp.	21				Heritage	1	
281	pi	PINE/Pinus sp.	25				Heritage	1	
282	pi	PINE/Pinus sp.	23				Heritage	1	
284	lo	LIVE OAK/Quercus virginiana	18	10	11		Regulated	3	
<b>Total Regulated Mitigation Tree For Tree</b>								<b>84</b>	
<b>Total Heritage Mitigation Inches</b>									<b>671.5</b>

### TREE MITIGATION CALCULATIONS

Total Regulated Mitigation Tree for Tree: 84 trees (168 inches)  
Total Heritage Mitigation Inches: 671.5 inches

Total Mitigation Inches Required: 839.5 inches

Total Inches Provided: 622.5 inches  
839.5 inches required - 622.5 inches provided = 213 inch deficit

213 inches \* \$130 per inch = **\$27,690.00 to be paid to Alachua County**

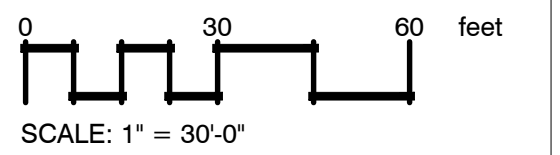
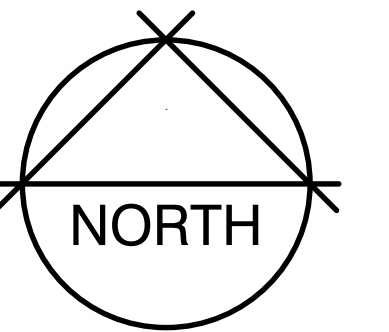
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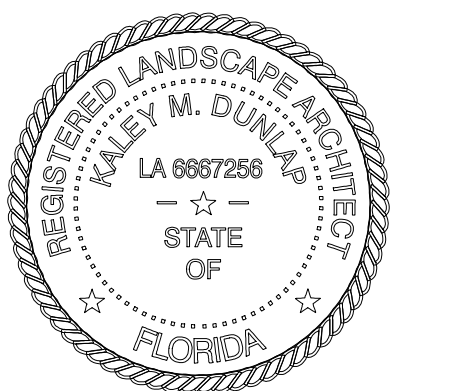
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Professional Landscape Architect of Record:



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ALACHUA COUNTY,  
FLORIDA

Sheet Title:

TREE MITIGATION

Design: KMD Sheet No.:  
Drawn: ZPR  
Checked: KMD  
Date: 07/25/2023

**L114**

**LANDSCAPE NOTES**

- PRE-DESIGN MEETING:** COORDINATE AND CONDUCT AN ON-SITE MEETING WITH THE ALACHUA COUNTY FORESTER/LANDSCAPE INSPECTOR OR DESIGNATED COUNTY REPRESENTATIVE TO DISCUSS EXISTING REGULATED TREES AND PROTECTION METHODS. CONTACT (352) 374-5243 EXT. 3503
- EXISTING UTILITIES:** LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL 811.
- INVASIVE SPECIES:** REMOVE INVASIVE, NONNATIVE PLANT SPECIES AS LISTED ON THE FLORIDA PROHIBITED AQUATIC PLANTS LIST OR THE FLORIDA NOXIOUS WEED LIST FROM THE SITE PRIOR TO ISSUANCE OF THE CERTIFICATION OF OCCUPANCY. ALL HERBICIDE APPLICATIONS TO CONTROL INVASIVE, NONNATIVE PLANTS IN WETLAND OR UPLAND SET-ASIDE AREAS, INCLUDING BUFFERS, SHALL BE APPLIED BY A CONTRACTOR LICENSED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES, WITH A CURRENT CERTIFICATION IN NATURAL AREAS WEED MANAGEMENT.
- ON-SITE LITTER REMOVAL:** REMOVE ALL EXISTING LITTER AND DEBRIS VISIBLE ON THE PROJECT SITE.
- PLANTING PREPARATION:** REMOVE ALL CONSTRUCTION DEBRIS, LIMEROCK, GRAVEL, ROAD BEDDING, LITTER, AND OTHER ITEMS POTENTIALLY DAMAGING TO PLANT GROWTH WITHIN PROPOSED LANDSCAPE AND TURF AREAS PRIOR TO PLANTING. MAINTAIN EXISTING GRADES UNLESS OTHERWISE APPROVED BY THE OWNERS REPRESENTATIVE. IF FILL IS REQUIRED, USE A CLEAN, SANDY LOAM WITH pH 5.5-6.5 AND EXCAVATED FROM LOCAL SOURCES AND DEEP PITS SUCH THAT IT IS FREE OF WEEDS, SEEDS, LITTER, TOXINS, AND OTHER ITEMS HARMFUL TO PLANTING.
- PRUNING:** IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURAL (ISA). TREE PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE" (ANSI 300) AND "PRUNING, TRIMMING, REPAIRING, MAINTAINING, AND REMOVING TREES, AND CUTTING BRUSH - SAFETY REQUIREMENTS" (ANSI Z133). NO MORE THAN 25 PERCENT OF THE CROWN SHOULD BE REMOVED AT ONE TIME. ON YOUNG TREES, LIMB REMOVAL SHALL LEAVE NO MORE THAN 33 PERCENT OF THE TRUNK BARE OF BRANCHES.
- MINIMUM PLANTING AREAS:** A MINIMUM PERVIOUS AREA OF 200 SF AND MINIMUM PLANTING AREA OF 140 SF SHALL BE PROVIDED FOR CANOPY TREES WITHIN PARKING AREAS. A MINIMUM PLANTING AREA OF 200 SF SHALL BE PROVIDED FOR CANOPY TREES OUTSIDE OF PARKING AREAS. A MINIMUM PERVIOUS AREA OF 120 SF AND MINIMUM PLANTING AREA OF 90 SF SHALL BE PROVIDED FOR UNDERSTORY TREES WITHIN PARKING AREAS. A MINIMUM PLANTING AREA OF 210 SF SHALL BE PROVIDED FOR UNDERSTORY TREES OUTSIDE OF PARKING AREAS. PLANTING AREAS SHOULD BE FREE FROM COMPACTED MATERIAL TO A DEPTH OF 18-INCHES, MINIMUM.
- PLANT MATERIAL GENERAL:** ALL PLANT MATERIALS SHALL MEET 'FLORIDA NUMBER 1' REQUIREMENTS AS PER THE MOST CURRENT EDITION OF 'FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS', FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- PROPOSED TREES:** TREES PROPOSED ALONG STREETS, WITHIN PAVING, OR IN PARKING LOT ISLANDS SHALL BE A MINIMUM OF TEN FEET TALL, HAVE A MINIMUM TRUNK CALIPER OF TWO INCHES, AND BE IN 25-GALLON MINIMUM CONTAINER. TREES PROPOSED IN STORMWATER FACILITIES OR ELSEWHERE SHALL BE A MINIMUM OF FOUR FEET TALL, HAVE A MINIMUM TRUNK CALIPER OF 3/4 INCHES, AND BE IN 7-GALLON MINIMUM CONTAINERS. NEW TREES LOCATED OUTSIDE OF LARGER PLANTING AREAS/WITHIN TURF AREAS TO HAVE 6" OF PLASTIC DRAIN TUBING INSTALLED AROUND THE BASE OF THEIR TRUNK TO PROTECT FROM MOWER AND STRING TRIMMER IMPACTS.
- NEW TREE STAKING:** IF NECESSARY TO MAINTAIN TREES PLUMB, TREES SHALL BE STAKED WITHIN BIODEGRADABLE STAKING MATERIALS.
- PROPOSED SHRUBS:** PROPOSED SHRUBS SHALL BE A MINIMUM OF TWO FEET TALL AND BE IN 3-GALLON MINIMUM CONTAINERS.
- SOD:** ALL UNPAVED AND DISTURBED AREAS OUTSIDE OF PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTINGS SHALL BE SODDED. SEE CIVIL PLANS FOR SODDING INFORMATION FOR STORMWATER FACILITIES. SOD SHALL BE SAND-GROWN, STRONGLY ROOTED, WITHOUT SYNTHETIC STABILIZING MATERIALS, FREE OF PESTS, AND CERTIFIED FREE OF NOXIOUS WEEDS BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY.
- MULCHING:** THREE INCHES OF MULCH, SETTLED, SHOULD COVER TREE RING PLANTING AREAS AND ALL SHRUB AND GROUNDCOVER PLANTING AREAS. MULCH SHOULD BE NO DEEPER THAN ONE INCH OVER THE TOP OF TREE ROOTBALLS, USE PINESTRAW MULCH IN ALL AREAS. MULCH TO BE FREE OF DEBRIS, STICKS, AND CONES. NO PLASTIC OR NON-BIODEGRADABLE WEED CLOTH OR SURFACE COVERS TO BE USED.
- IRRIGATION:** A TEMPORARY AUTOMATIC IRRIGATION SYSTEM IS REQUIRED FOR ALL NEW REQUIRED LANDSCAPING INSTALLED [407.46(A)]. 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 CODE, WHICH, AMONG ADDITIONAL DESIGN STANDARDS, REQUIRES THE FOLLOWING. FOR MORE INFORMATION, CONTACT THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION DEPARTMENT AT 352-264-6800.
  - LIMIT HIGH VOLUME IRRIGATION TO 60% OF THE LANDSCAPED AREA.
  - ALL NEWLY PLANTED TREES SHALL HAVE INDIVIDUAL LOW FLOW OR MICRO-IRRIGATION SUPPLIES
  - ALL IRRIGATION SYSTEMS ARE REQUIRED TO HAVE A MOISTURE SENSOR/AUTOMATIC RAINFALL SHUTOFF DEVICE.
- RESPONSIBILITY:** ALL LANDSCAPING FROM THE APPROVED LANDSCAPE PLAN IS REQUIRED TO BE REPLACED IF AND/OR WHEN IT FAILS. OWNER IS RESPONSIBLE FOR THE SURVIVAL OF PLANTINGS. OWNER IS RESPONSIBLE FOR THE REMOVAL OF ALL TREE STAKING, IF INSTALLED, FOR ONE YEAR FOLLOWING RECEIPT OF CERTIFICATION OF OCCUPANCY. IF A TREE DIES OR IS SEVERELY DAMAGED, AS DETERMINED BY THE COUNTY'S REPRESENTATIVE, THEN THE TREE MUST BE REPLACED BY THE OWNER PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- LETTER OF COMPLIANCE:** PROVIDE ONE WEEK NOTICE TO LANDSCAPE ARCHITECT REGARDING SCHEDULING THE FINAL REVIEW OF INSTALLED LANDSCAPE AND EXISTING VEGETATION PROTECTION FOR THE PURPOSES OF PREPARING THE LETTER OF COMPLIANCE.

**STORMWATER MANAGEMENT FACILITIES**

Per Alachua County ULDC. Article IV., Sec. 407.43.2.

STORMWATER BASIN 3		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	439
	Canopy Trees Required	13
	Canopy Trees Provided	13
25% of total basin area in planting	Total Area	13,448
	Planting Area Required	3,362
	Planting Area Provided	5,844

STORMWATER BASIN 4		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	501
	Canopy Trees Required	14
	Canopy Trees Provided	14
25% of total basin area in planting	Total Area	14,257
	Planting Area Required	3,564
	Planting Area Provided	5,448

STORMWATER BASIN 5		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	370
	Canopy Trees Required	11
	Canopy Trees Provided	11
25% of total basin area in planting	Total Area	9,151
	Planting Area Required	2,288
	Planting Area Provided	2,335

STORMWATER BASIN 6		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	436
	Canopy Trees Required	12
	Canopy Trees Provided	12
25% of total basin area in planting	Total Area	10,428
	Planting Area Required	2,607
	Planting Area Provided	3,151

STORMWATER BASIN 7		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	735
	Canopy Trees Required	21
	Canopy Trees Provided	21
25% of total basin area in planting	Total Area	15,858
	Planting Area Required	3,965
	Planting Area Provided	4,198

STORMWATER BASIN 8		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	399
	Canopy Trees Required	11
	Canopy Trees Provided	11
25% of total basin area in planting	Total Area	10,573
	Planting Area Required	2,643
	Planting Area Provided	2,738

STORMWATER BASIN 9		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	427
	Canopy Trees Required	12
	Canopy Trees Provided	12
25% of total basin area in planting	Total Area	10,931
	Planting Area Required	2,733
	Planting Area Provided	3,510

STORMWATER BASIN 10		
REQUIREMENT	CALCULATIONS	
1 Canopy Tree per 35 linear feet	Total Perimeter	653
	Canopy Trees Required	19
	Canopy Trees Provided	19
25% of total basin area in planting	Total Area	26,271
	Planting Area Required	6,568
	Planting Area Provided	6,603

**PEDESTRIAN WALKWAYS LANDSCAPING**

Per Alachua County ULDC. Article IV., Sec. 407.43.1.a.  
 Areas dedicated to pedestrian circulation that are not coincident with street shall have canopy trees spaced not more than an average of 40 feet on center.

*Provided: Canopy trees are proposed at no more than 40' on center along walks around proposed common areas.*

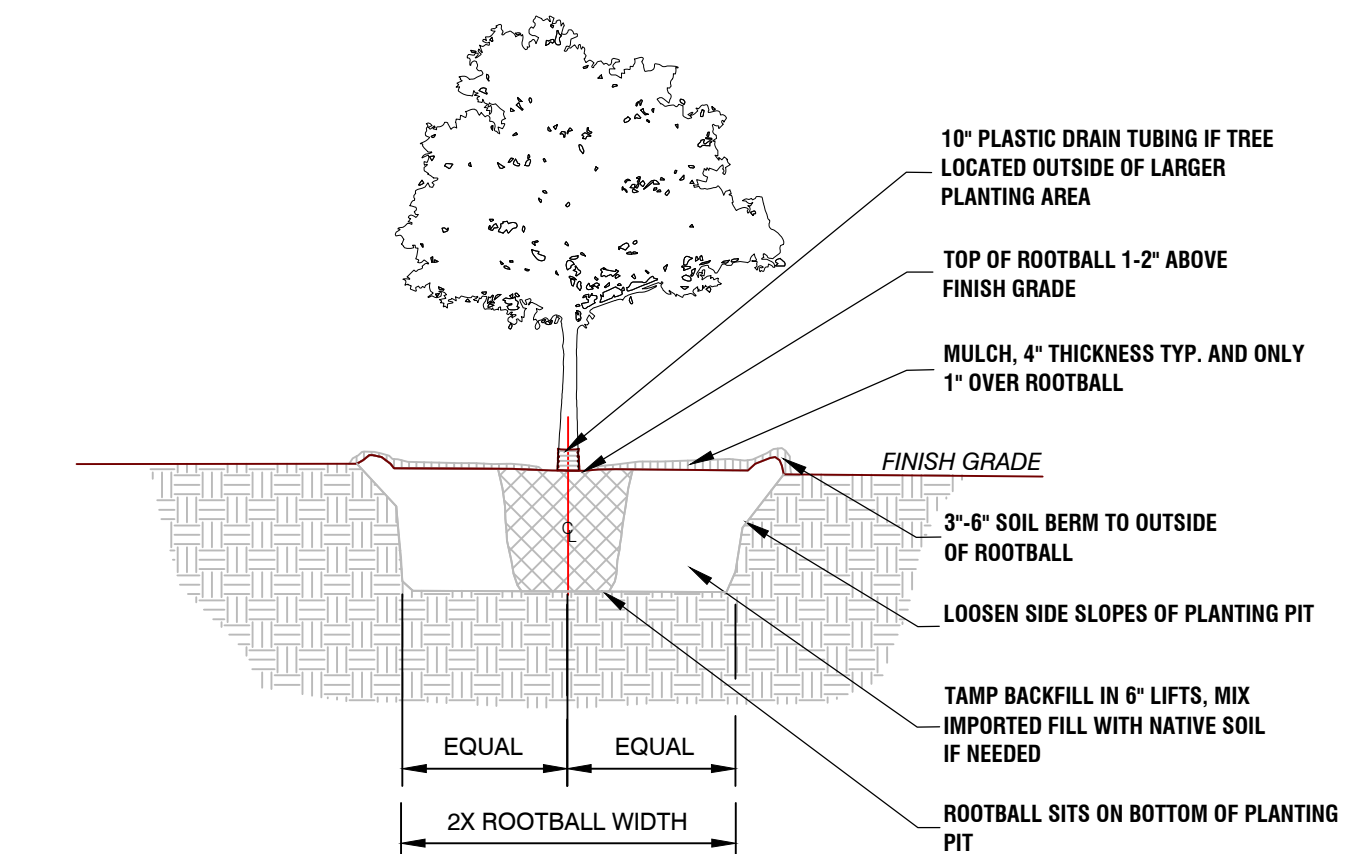
**STREET TREES**

Per Alachua County ULDC. Article IV., Sec. 407.43.1.b.  
 Provide along both sides of streets and roads or in medians and within a minimum 8 ft wide planting strip. Plant in the center 30% of the planting strip. Street trees in commercial or mixed use districts may be planted in islands or bulb-outs where on-street parking is present. Parking islands or bulb-outs shall have a minimum pervious area of 90 SF and be free of compacted soil to a depth of 18". Street trees shall be spaced so that the distance between two adjacent trunks is no less than one half the sum of their 20-year canopy crowns and no more than the sum of their 20-year canopy crowns. Street trees shall be planted between the street and the sidewalk whenever space permits to protect pedestrians and calm traffic. Eligible trees as per Table 407.50.1.

*Provided: Street trees provided average 40' o.c.*

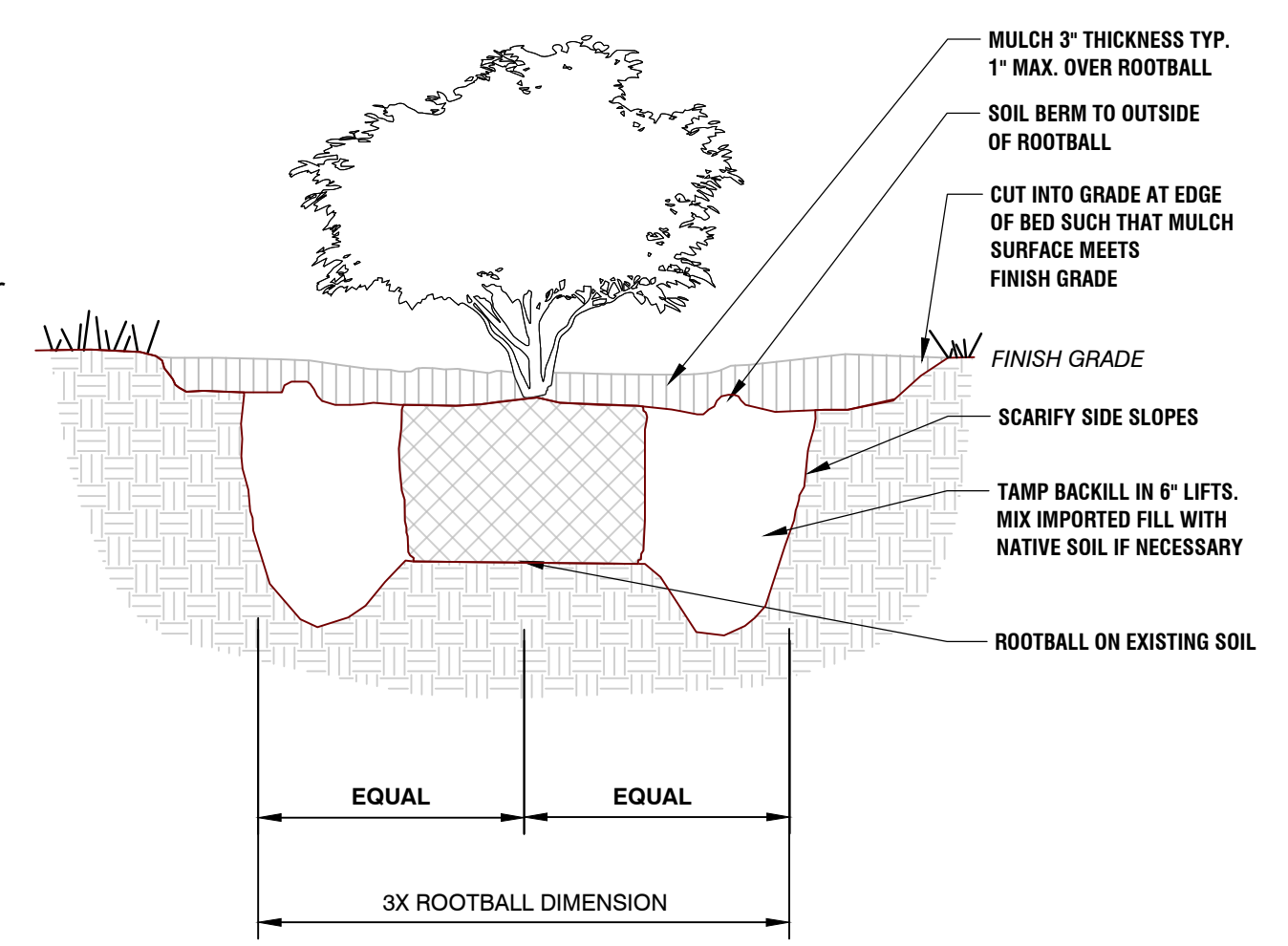
**IRRIGATION NOTES**

- Temporary irrigation systems must be removed once the plants are established or within one year, whichever occurs first.
- All irrigation systems are required to have a functioning rainfall shutoff device set to active even during establishment, per 407.46(a)4.
- Prior to the installation of a new permanent irrigation system or addition to an existing system, an irrigation plan must be submitted to and approved by the Alachua County Environmental Protection Department through Citzenserve. 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.



- NOTES:
- ENSURE PLANTING PIT DRAINS WELL PRIOR TO INSTALLATION.
  - REMOVE TREE FROM CONTAINER OR REMOVE UPPER 1/4 OF BURLAP AND WIRE MESH FOR B&B TREES.
  - SLICE ROOTBALL VERTICALLY ON OUTSIDE EDGES OF AND AROUND ROOTBALL.
  - TREE TO BE PLUMB. STAKE TREE. SUBMIT TREE STAKING DETAILS AND LAYOUT FOR APPROVAL.

1 TREE PLANTING DETAIL  
 SCALE: N.T.S. P-ED-01

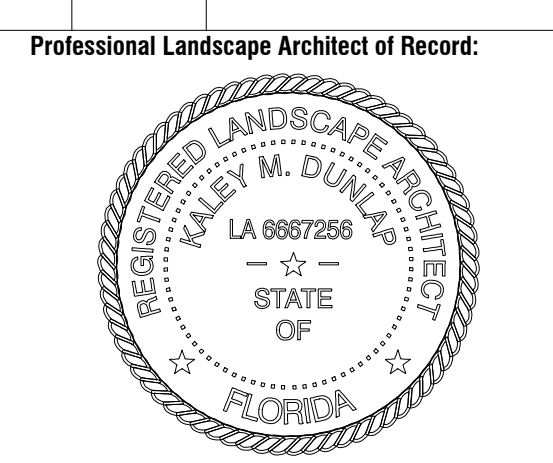


2 SHRUB PLANTING DETAIL  
 SCALE: N.T.S. P-ED-04

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No.	Date	Comment
1	2023-10-01	PER COUNTY COMMENTS
2	2023-12-03	PER COUNTY COMMENTS
3	2024-01-04	PER MINOR INSUFFICIENCY



Kaley M. Dunlap, PLA LA6667256  
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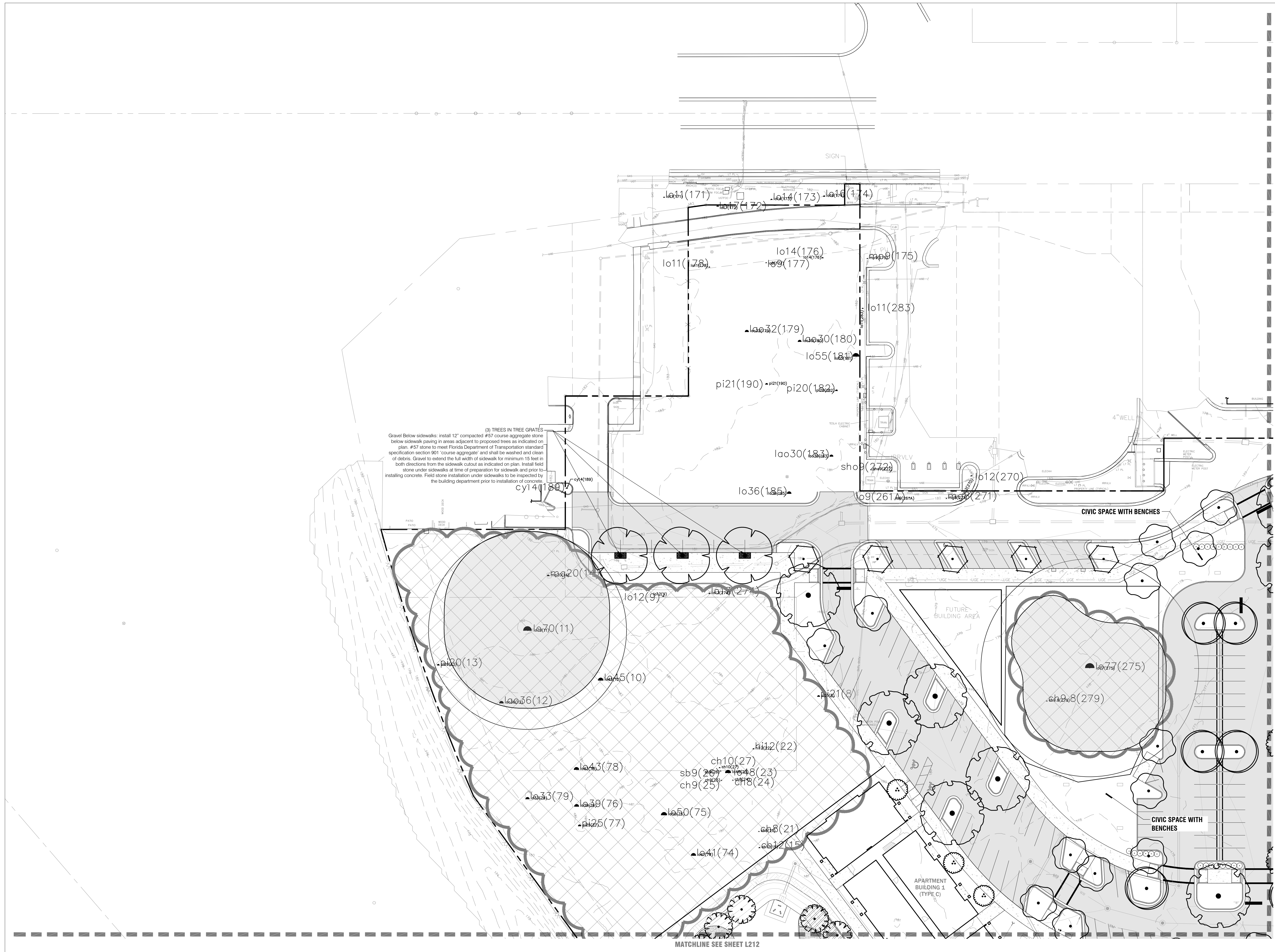
Project No: 23-043  
 Project Phase: COUNTY SUBMITTAL

SE QUAD SPRINGHILLS  
 ALACHUA COUNTY,  
 FLORIDA

Sheet Title:  
 LANDSCAPE CALCULATIONS,  
 NOTES, AND DETAILS

Design: KMD Sheet No.:  
 Drawn: ZRR  
 Checked: KMD  
 Date: 07/25/2023  
**L200**

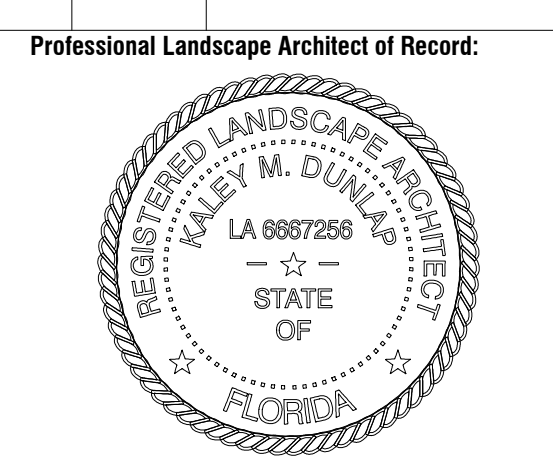




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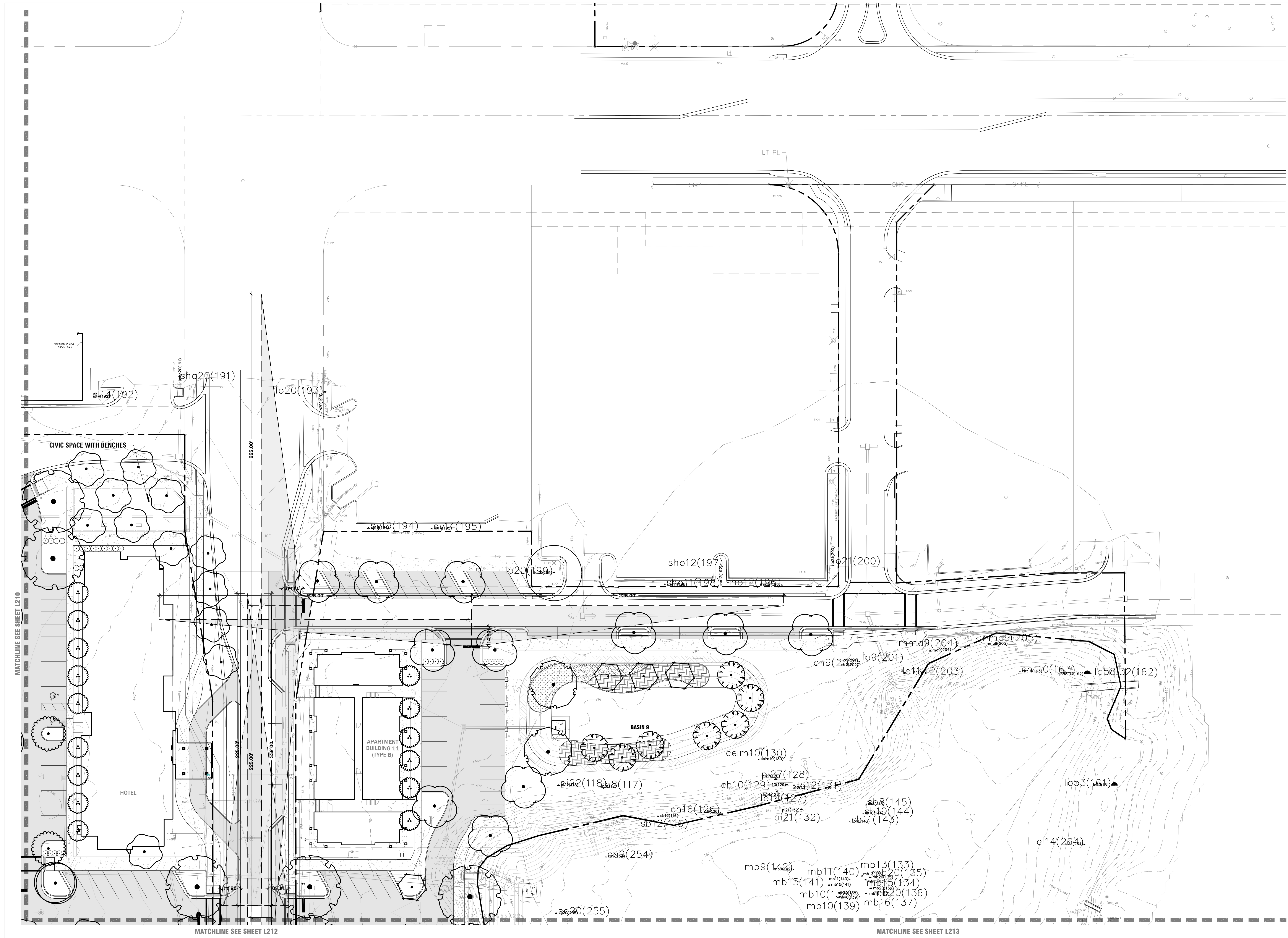
Project No: 23-043

Project Phase: COUNTY SUBMITTAL

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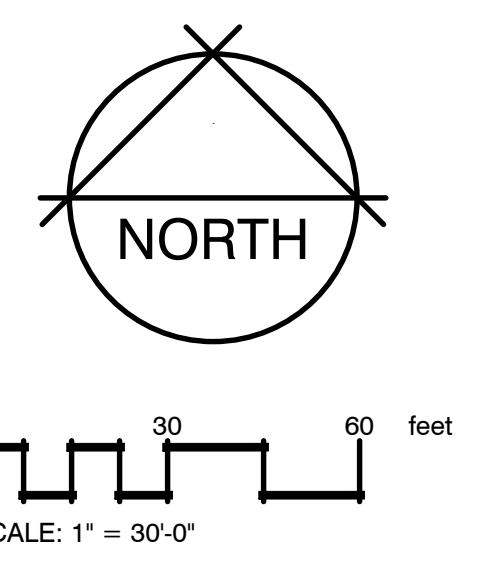
Sheet Title:  
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Design: KMD Sheet No.:  
 Draw: ZRR  
 Check: KMD **L210**  
 Date: 07/25/2023

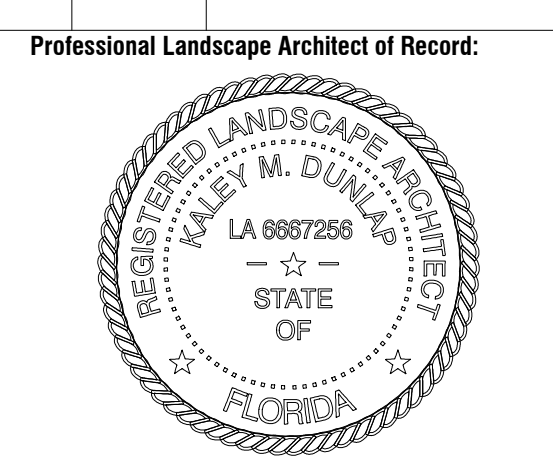


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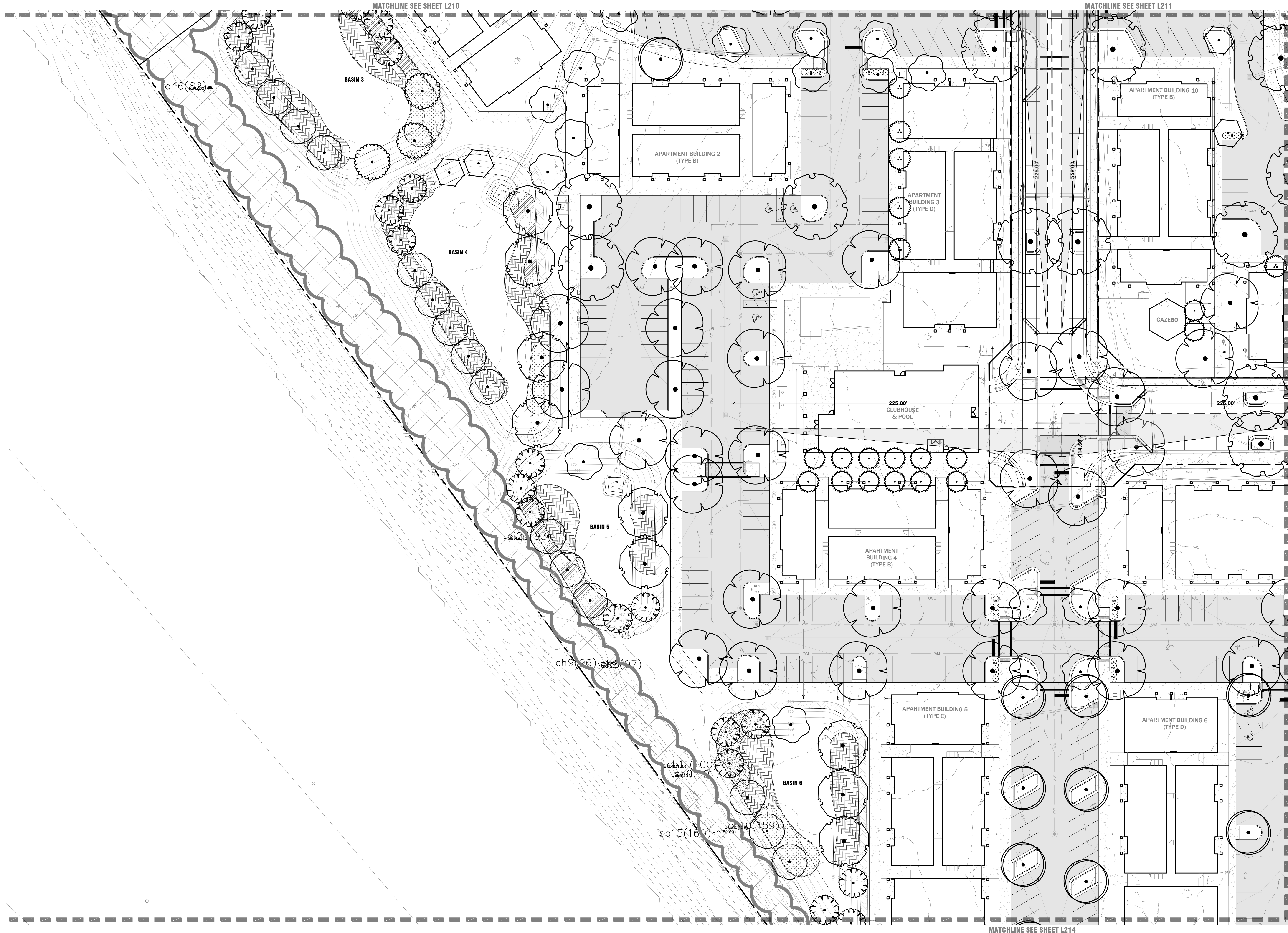
Project No: 23-043

Project Phase: COUNTY SUBMITTAL

Project Title:  
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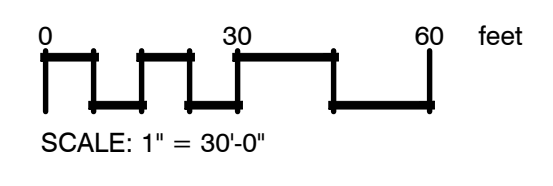
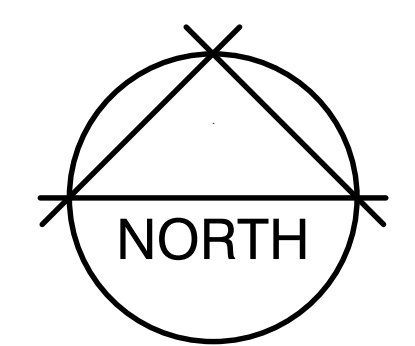
Sheet Title:  
**LANDSCAPE PLAN**

Designed: KMD	Sheet No.:
Drawn: ZRR	<b>L211</b>
Checked: KMD	
Date: 07/25/2023	



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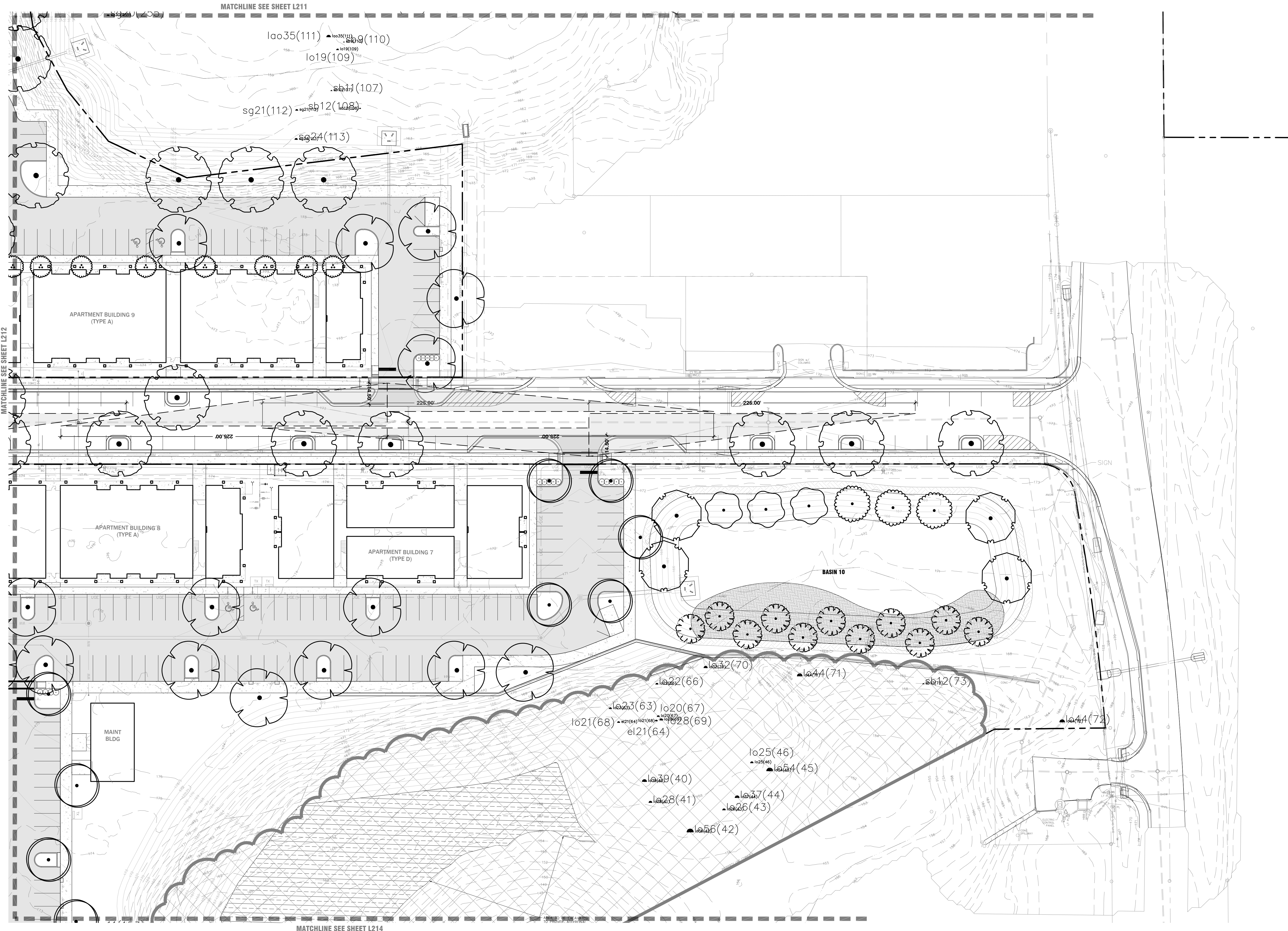
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 ALACHUA COUNTY,  
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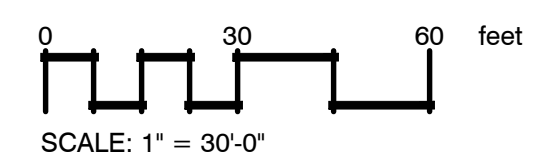
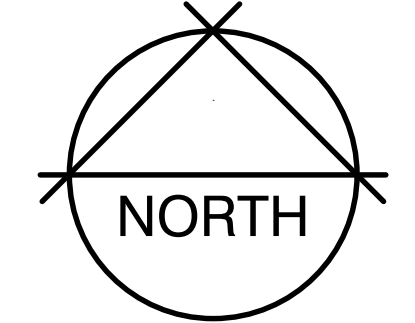
Sheet Title:  
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Designer: KMD	Sheet No.:
Drawn: ZRR	<b>L212</b>
Checked: KMD	
Date: 07/25/2023	

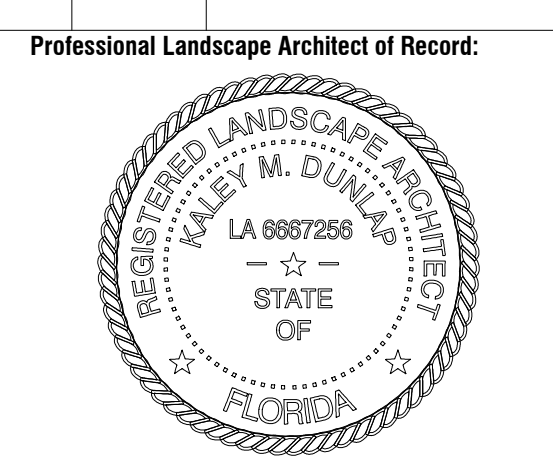


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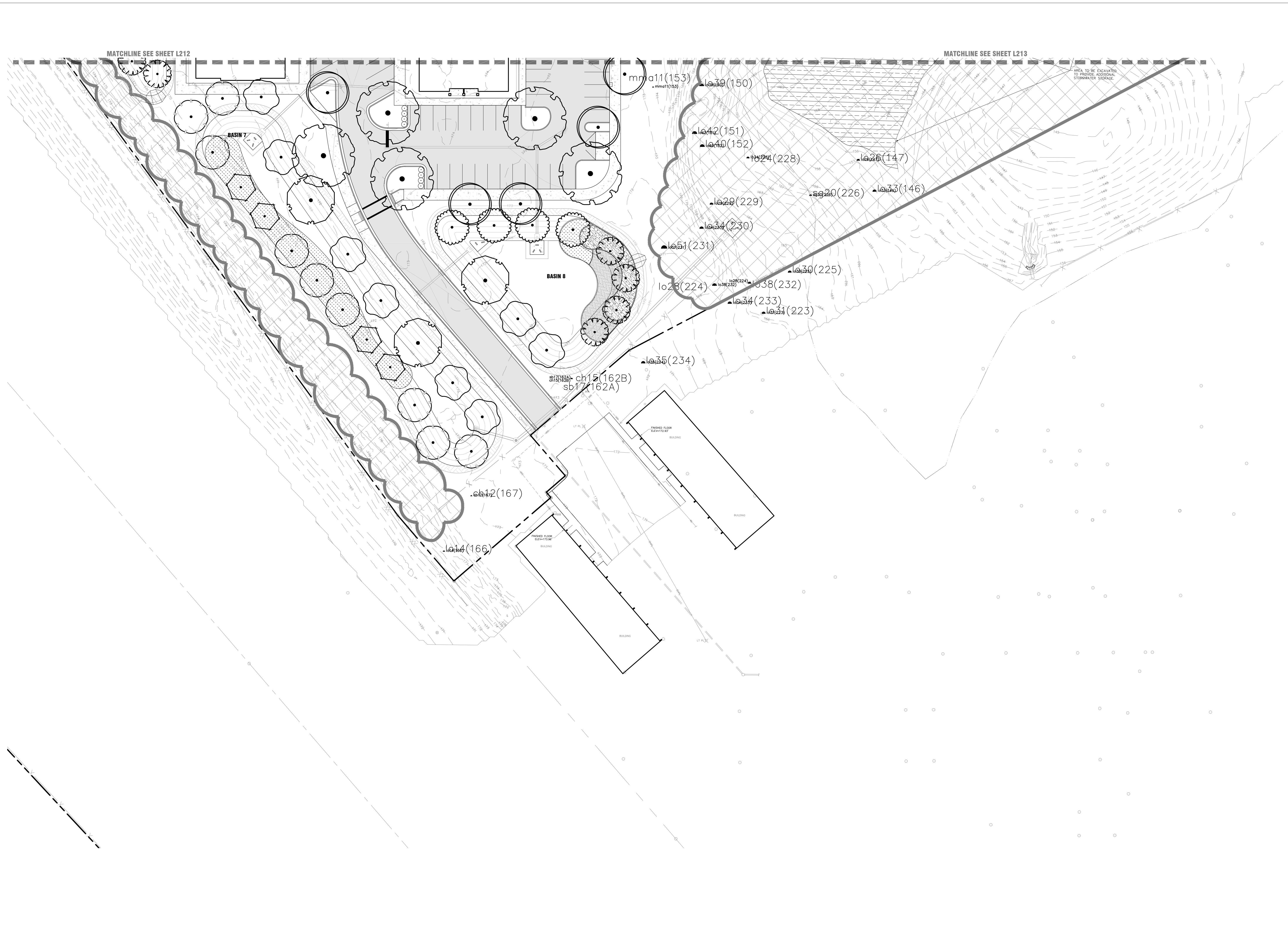
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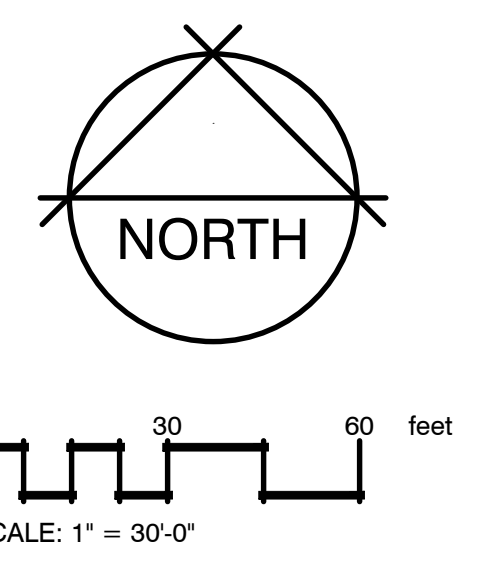
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 Drawn: ZPR  
 Checked: KMD **L213**  
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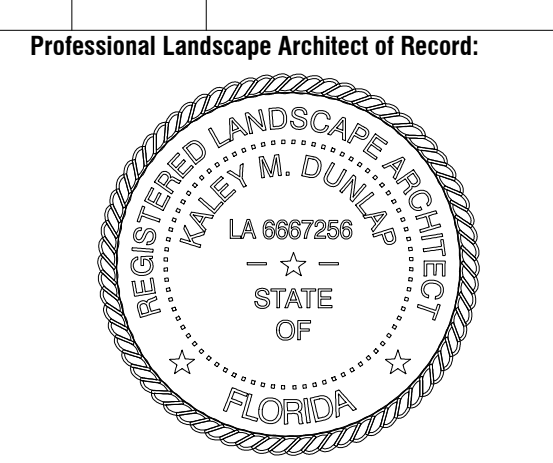


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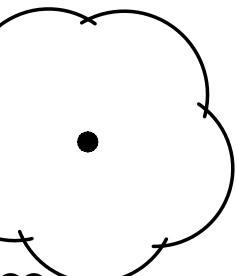
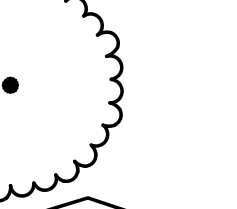
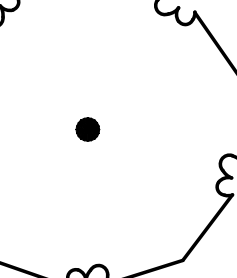
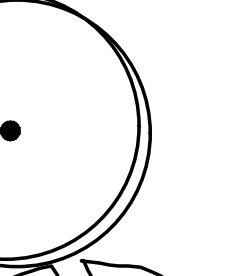
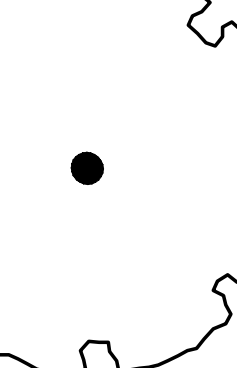
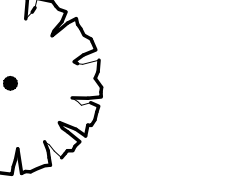
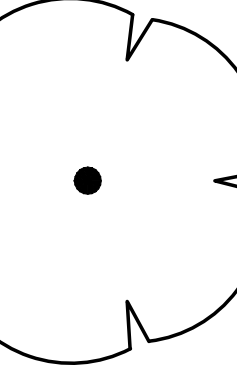
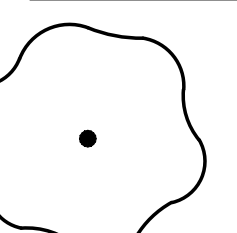
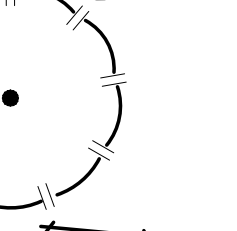
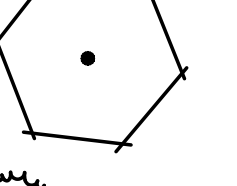


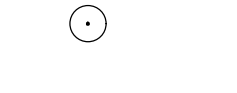
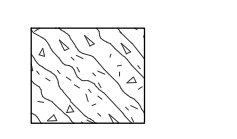
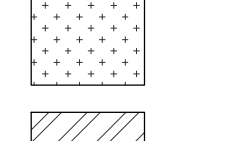
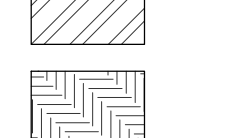
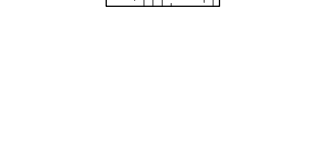
Project Phase: COUNTY SUBMITTAL

Project Title:  
**SE QUAD SPRINGHILLS  
 ALACHUA COUNTY,  
 FLORIDA**

Sheet Title:  
**LANDSCAPE PLAN**

Designed:	KMD	Sheet No.:	<b>L214</b>
Drawn:	ZPR		
Checked:	KMD		
Date:	07/25/2023		

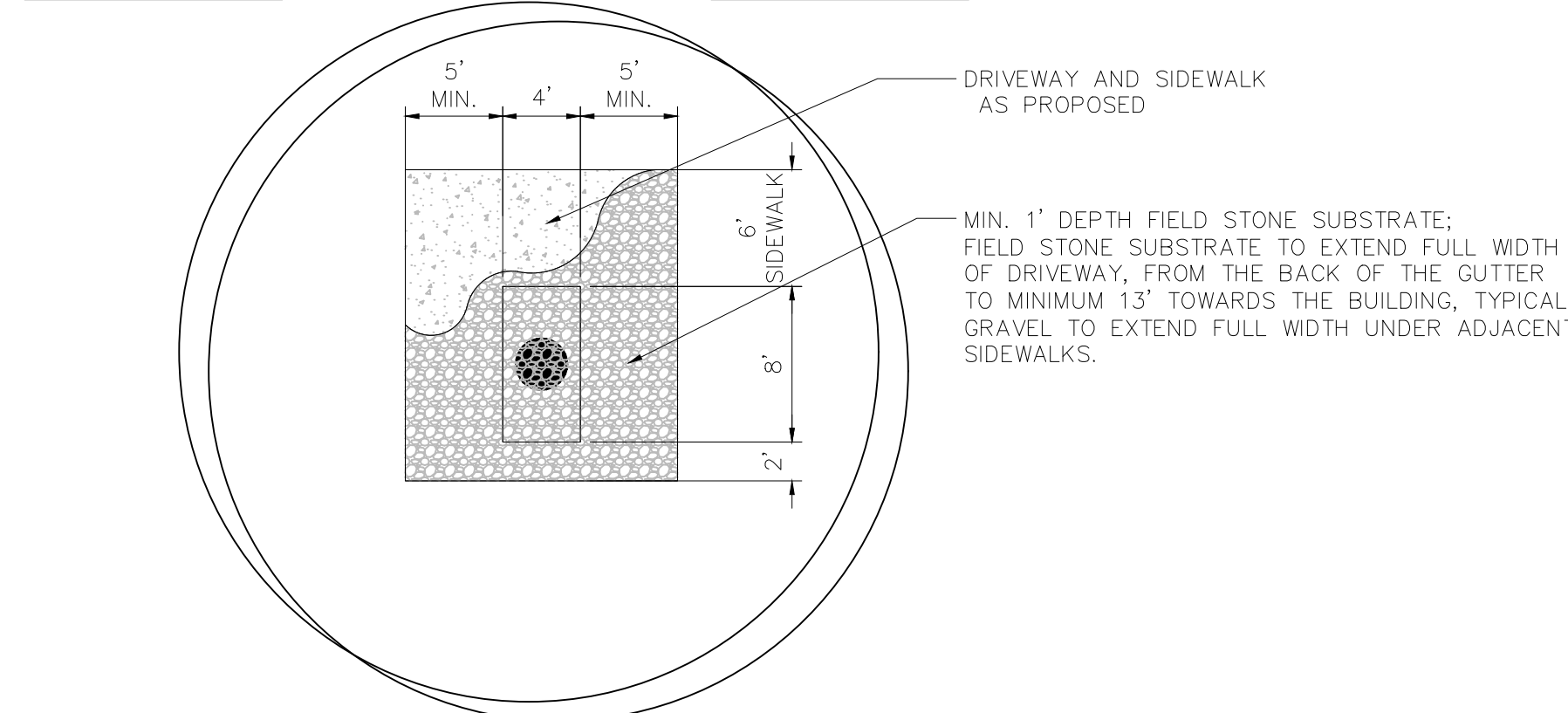
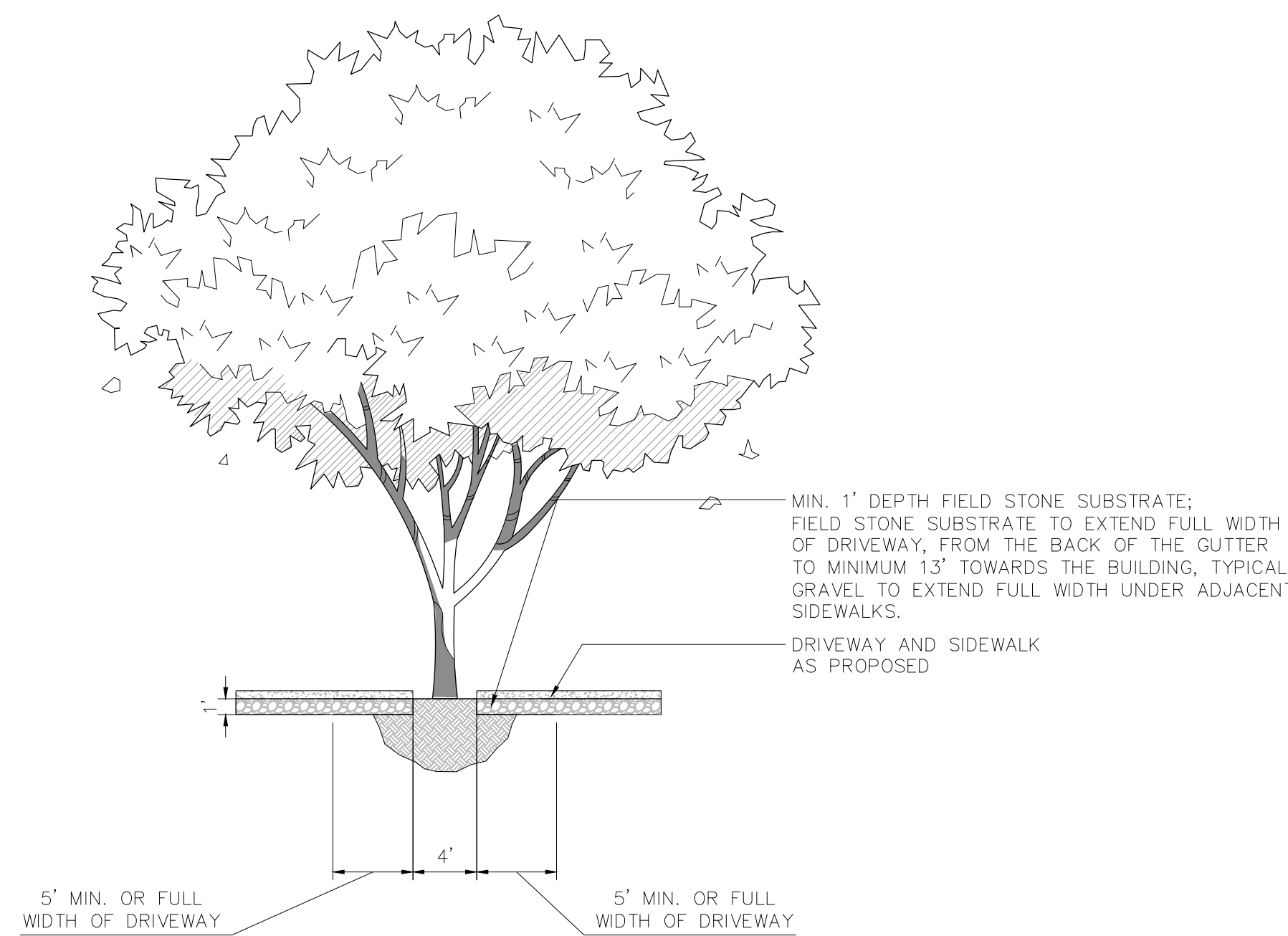
**PLANT SCHEDULE**

CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	CG	11	Carya glabra / Pignut Hickory	2" Cal.	10' Ht.
	LT	12	Liriodendron tulipifera / Tulip Poplar	2" Cal.	10' Ht.
	QN	18	Quercus nigra / Water Oak	2" Cal.	10' Ht.
	QS	28	Quercus shumardii / Shumard Oak	2" Cal.	10' Ht.
	QV	41	Quercus virginiana 'Cathedral' / Cathedral Live Oak	2" Cal.	10' Ht.
	TD	42	Taxodium distichum / Bald Cypress	2" Cal.	10' Ht.
	UA	43	Ulmus alata / Winged Elm	2" Cal.	10' Ht.
CANOPY/UNDERSTORY	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	AR	42	Acer rubrum / Red Maple	2" Cal.	10' Ht.
	JE	24	Juniperus virginiana / Eastern Redcedar	2" Cal.	10' Ht.
	MG	17	Magnolia grandiflora / Southern Magnolia	2" Cal.	10' Ht.
	SS	12	Sabal palmetto / Cabbage Palmetto	8" CT	
UNDERSTORY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	LI	31	Lagerstroemia indica / Crape Myrtle	1.5" Cal. Canes	10' Ht.
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	VD2	117	Viburnum ovobatum 'Dwarf Walters' / Dwarf Walters Viburnum	7 gal.	30" Ht. Min.
SHRUB AREAS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	HP2	159	Hamelia patens 'Firefly' / Firefly Firebush	3 gal.	18" Ht., Full + Lush
	MC	927	Muhlenbergia capillaris / Pink Muhly Grass	3 gal.	18" Ht., Full + Lush
	PZ	172	Plumbago zeylanica / Native White Plumbago	3 gal.	18" Ht., Full + Lush
	SB	2,583	Spartina bakeri / Sand Cordgrass	3 gal.	18" Ht., Full + Lush

**PROPOSED TREE CANOPY COVERAGE**

Per Alachua County ULDC, Article II., Sec. 406.12  
 At least 30% of the site shall be under mature canopy within 20 years - % met as per below

TREE SPECIES	EST. 20 YEAR CROWN	CROWN AREA (SF)	PROPOSED QUANTITY	PROPOSED % OF CANOPY ON SITE	PROPOSED CANOPY AREA ON SITE (SF)
Acer rubrum	25	490.625	42	100%	20606.25
Carya glabra	30	706.5	11	100%	7771.5
Juniperus virginiana	25	490.625	24	100%	11775
Liriodendron tulipifera	25	490.625	12	100%	5887.5
Lagerstroemia indica	15	176.625	31	100%	5475.375
Magnolia grandiflora	20	314	17	100%	5338
Quercus nigra	35	961.625	18	100%	17309.25
Quercus shumardii	30	706.5	28	100%	19782
Quercus virginiana	45	1589.625	38	100%	60405.75
Taxodium distichum	20	314	42	100%	13188
Ulmus alata	40	1256	46	100%	57776
Sabal palmetto	15	176.625	12	100%	2119.5
Total Existing Canopy					140,055.70
Total Proposed 20-Year Canopy					227,434.13
Site Area					1,072,229.08
Total Area under canopy					367,489.83
% Site Under Canopy at 20 Years					34.27%



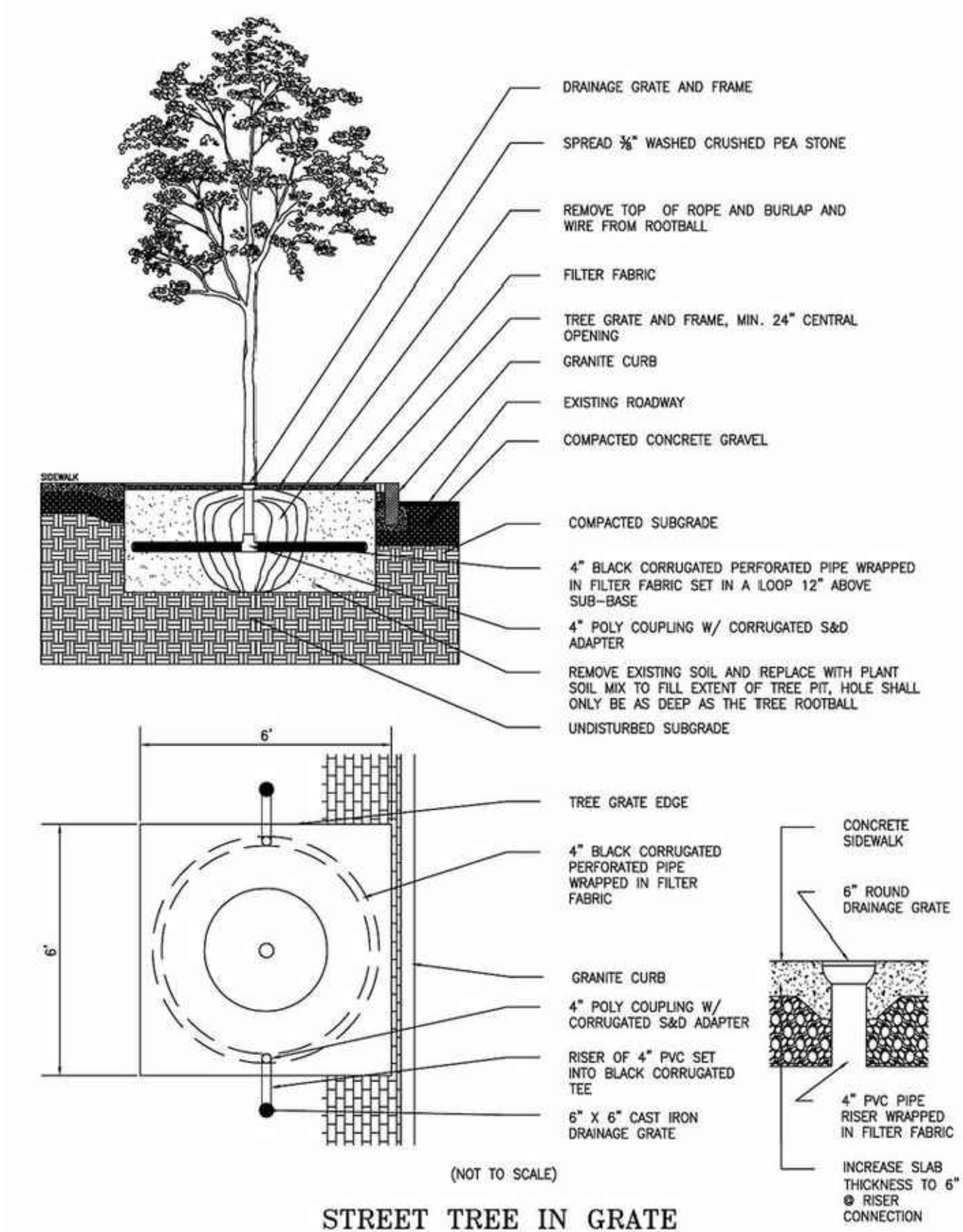
- NOTES:
- INSTALL FIELD STONE UNDER DRIVEWAYS AT TIME OF PREPARATION FOR DRIVEWAY AND PRIOR TO INSTALLING CONCRETE. FIELD STONE INSTALLATION UNDER DRIVEWAYS TO BE INSPECTED BY PUBLIC WORKS AT TIME OF DRIVEWAY CONNECTION INSPECTION PRIOR TO INSTALLATION OF CONCRETE. FIELD STONE TO EXTEND FULL WIDTH OF THE DRIVEWAY, FROM THE BACK GUTTER TO 13' TOWARD THE BUILDING MINIMUM, TYPICAL.
  - INSTALL FIELD STONE UNDER SIDEWALKS AT TIME OF PREPARATION FOR SIDEWALK AND PRIOR TO INSTALLING CONCRETE. FIELD STONE INSTALLATION UNDER SIDEWALKS TO BE INSPECTED BY GROWTH MANAGEMENT PRIOR TO INSTALLATION OF CONCRETE. FIELD STONE TO EXTEND THE FULL WIDTH OF THE SIDEWALK.

**1 FIELD STONE SUBSTRATE**  
N.T.S.

**PROPOSED GROUND SURFACE SHADING**

Per Alachua County ULDC, Article IV., Sec. 407.43.1.c  
 Screening shall be provided where a paved ground surface area lies within 50 feet of and is visible from any street right-of-way. At least 50% of the paved ground surface area shall be under mature canopy within 20 years.

TREE SPECIES	EST. 20 YEAR CROWN	CROWN AREA (SF)	PROPOSED QUANTITY	PROPOSED % OF CANOPY ON PAVE	PROPOSED CANOPY AREA ON SITE (SF)
Acer rubrum	25	490.625	17	50%	4170.3125
Carya glabra	30	706.5	10	50%	3532.5
Liriodendron tulipifera	25	490.625	2	50%	490.625
Magnolia grandiflora	20	314	9	50%	1413
Quercus shumardii	30	706.5	23	50%	8124.75
Quercus virginiana	45	1589.625	8	100%	12717
Quercus virginiana	45	1589.625	32	50%	25434
Ulmus alata	40	1256	23	75%	21666
Ulmus alata	40	1256	18	50%	11304
Lagerstroemia indica	15	176.625	30	50%	2649.375
Total Proposed 20-Year Canopy					91,501.56
Pavement Area					171,028.31
% Site Under Canopy at 20 Years					53.50%



**2 STREET TREE IN GRATE**  
N.T.S.

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No.	Date	Comment
1	2023-10-01	PER COUNTY COMMENTS
2	2023-12-03	PER COUNTY COMMENTS
3	2024-01-04	PER MINOR INSUFFICIENCY



Kaley M. Dunlap, PLA LA6667256  
 Landscape Architect Certificate No.

Project No: 23-043

Project Phase: COUNTY SUBMITTAL

SE QUAD SPRINGHILLS  
 ALACHUA COUNTY,  
 FLORIDA

PLANT SCHEDULE

Design: KMD Sheet No:  
 Draw: ZRR  
 Check: KMD **L220**  
 Date: 07/25/2023