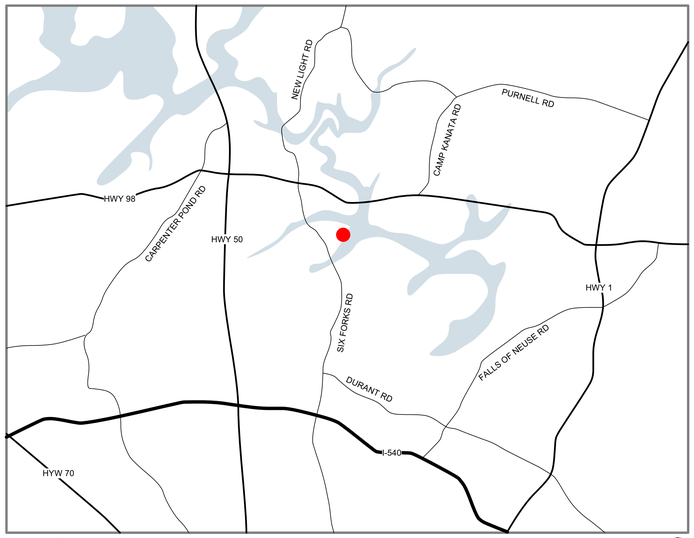
BLUE JAY POINT COUNTY PARK

WAKE COUNTY - 3200 Pleasant Union Church Road, Raleigh, NC, 27614



VICINITY MAP

SITE DATA TABLE

PROJECT NAME:	BLUE JAY POINT COUNTY PARK
OWNER:	UNITED STATES OF AMERICA ARMY CORP OF ENG WILMINGTON DIST
PROPERTY PIN:	1802015192
PROPERTY ADDRESS:	3200 PLEASANT UNION CHURCH ROAD RALEIGH, NC 27614
PROPERTY SIZE:	236.00 ACRE, 10,280,160 SQ FT
ZONING:	R80W (RESIDENTIAL 80 WATERSHED) NOTE: FOR NONRESIDENTIAL DEVELOPMENT IN R-80W DISTRICTS, IMPERVIOUS SURFACE COVERAGE MAY NOT EXCEED SIX PERCENT OF THE TOTAL AREA OF THE SITE, AS DESIGNAGED ON THE SITE PLAN.
OVERLAY DISTRICT:	NONE
TOWNSHIP:	BARTON'S CREEK
WATERSHED:	FALLS LAKE (WS-IV,B,NSW,CA)
MINIMUM BUILDING SETBACKS:	FRONT AND CORNER = 40' SIDE = 20' REAR = 30'
TOTAL LAND DISTURBANCE AREA:	6.15 ACRE, 267,984 SQ FT
FULL TIME EMPLOYEES:	7 FULL TIME EMPLOYEES. 3 PART TIME EMPLOYEES. NOTE: NO CHANGE TO CURRENT STAFFING LEVELS.
OPERATING HOURS:	8 AM TO SUNSET (PARK GROUNDS), 8 AM TO 5 PM (VISITORS CENTER)
IMPROVEMENTS WITHIN RIPARIAN BUFFERS:	**ASPHALT TRAIL, CONCRETE ABUTMENT, GANGPLANK AND** FLOATING DOCK WITH KAYAK LAUNCH
BUILDING HEIGHTS:	VISITORS CENTER: 28'-0" PLAYGROUND SHELTER: 21'-0" TEE BALL SHELTER: 21'-0"

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C103	DEMOLITION PLAN PLAYGROUND
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C105	DEMOLITION PLAN PARK LODGE
C106	DEMOLITION PLAN KAYAK LAUNCH
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C202	DRAINAGE, UTILITY AND STORMWATER PLAN MAIN PARK PARKING
C203	DRAINAGE, UTILITY AND STORMWATER PLAN PLAYGROUND
C204	DRAINAGE, UTILITY AND STORMWATER PLAN PLAYGROUND
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S4.1.VC	FOUNDATION DETAILS
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P0.01	PLUMBING LEGENDS & SCHEDULES
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P2.10	PLUMBING WATER & GAS NEW WORK PLAN
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M5.00	MECHANICAL DETAILS
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E2.00	ELECTRICAL DEMOLITION PLAN
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E2.02	ELECTRICAL POWER PLAN
E5.00	ELECTRICAL DETAILS
E5.01	ELECTRICAL DETAILS

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A1.2.TB	APPENDIX B (TB)
A2.0.TB	SHELTER ARCHITECTURAL SITE PLAN
A2.1.TB	TB SHELTER FLOOR PLAN
A2.2.TB	TB SHELTER RCP + ROOF PLAN
A3.1.TB	TB SHELTER ELEVATIONS
A4.1.TB	TB SHELTER SECTION
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S2.1TB	STRUCTURAL FRAMING DETAILS
E0.01	ELECTRICAL LEGEND
E0.02	ELECTRICAL GEN. NOTES & FIXTURE SCHEDULE
E1.00	OVERALL ELECTRICAL SITE PLAN
E1.01	ENLARGED ELECTRICAL SITE PLAN
E1.02	ELECTRICAL DETAILS
E2.00	ELECTRICAL POWER PLAN
E5.00	ELECTRICAL DETAILS
E5.01	ELECTRICAL DETAILS

PLAYGROUND SHELTER

A0.1.PG	COVER SHEET
A1.1.PG	APPENDIX B (PG)
A1.2.PG	APPENDIX B (PG)
A2.0.PG	SHELTER ARCHITECTURAL SITE PLAN
A2.1.PG	PG SHELTER FLOOR PLAN
A2.2.PG	PG SHELTER RCP + ROOF PLAN
A3.1.PG	PG SHELTER ELEVATIONS
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S1.1 PG	STRUCTURAL FRAMING PLAN
S2.1 PG	STRUCTURAL FRAMING DETAILS
E0.01	ELECTRICAL LEGEND
E0.02	ELECTRICAL GEN. NOTES & FIXTURE SCHEDULE
E1.00	OVERALL ELECTRICAL SITE PLAN
E1.01	ENLARGED ELECTRICAL SITE PLAN
E1.02	ELECTRICAL DETAILS
E1.03	ELECTRICAL DETAILS
E2.00	ELECTRICAL POWER PLAN
E5.00	ELECTRICAL DETAILS
E5.01	ELECTRICAL DETAILS

PROPOSED SITE ADDRESSES

TEE BALL PICNIC SHELTER: 3325 PLEASANT UNION CHURCH RD
PLAYGROUND PICNIC SHELTER: 3240 PLEASANT UNION CHURCH RD
KAYAK LAUNCH: 12224 SIX FORKS RD

CURRENT PERMITS AND STATUS

NCDEQ EROSION CONTROL PERMIT - APPROVED
NCDOT DRIVEWAY PERMIT - APPROVED
WAKE COUNTY FLOOD STUDY - APPROVED
WAKE COUNTY STORMWATER - APPROVED
USACOE SECTION 404 - EXEMPT
USACOE RIVERS AND HARBORS ACT - EXEMPT
USACOE SECTION 408 - APPROVED
USACOE FLOODPLAIN MITIGATION - APPROVED

NOTES

-NO ADDITIONAL SIGNAGE IS PROPOSED.
-NO ANTICIPATED INCREASE IN TRAFFIC.
-PROJECT LIMITS DO NOT INCLUDE THE PERIMETER OF THE PARK. EXISTING VEGETATION MEETS THE BUFFER REQUIREMENTS AND BUFFERS ARE NOT IMPACTED BY THIS PROJECT.
-ITEMS LISTED AS EXISTING ARE PER ORIGINAL PLAN APPROVED IN 1991.
-NO LIGHTING PLAN IS PROVIDED. PER UDO 17-11 OPERATIONAL PERFORMANCE STANDARDS (7) EXTERIOR LIGHTING. ALL EXTERIOR LIGHTING MUST BE SHIELDED OR DIRECTED AWAY FROM ANY ADJACENT USE OR LOT OR ANY ADJACENT PUBLIC STREET. NO EXTERIOR LIGHTING MAY CAUSE ILLUMINATION IN EXCESS OF ONE FOOT CANDLE AT THE LOT LINE OF ANY USE.
- STATE MAINTAINED ROADS STOP BEFORE THE GATE ENTRANCE TO THE PARK SO WAKE COUNTY MAINTAINS ROADS WITHIN THE PARK.

Surface

DATE: 03.21.2025

100% CONSTRUCTION DOCUMENTS

LANDSCAPE ARCHITECT:

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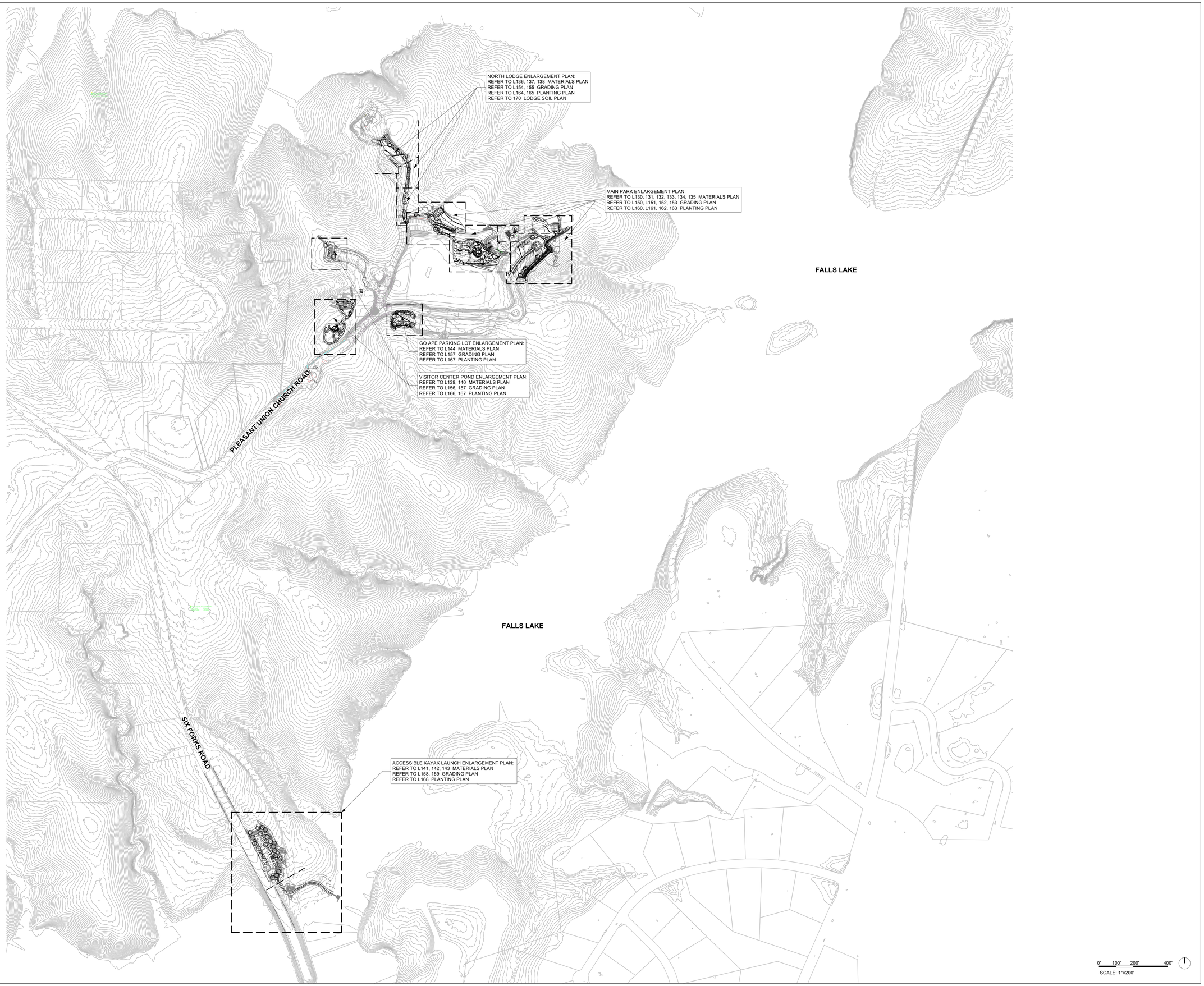
TELEPHONE (404) 609-9006

NO.	REVISION	DATE
1		



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REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE CONTEXT PLAN

L111

SITE PLANNING NOTES

1. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION AS AMENDED, AND ARE THE CONTRACTOR'S RESPONSIBILITY.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT OR CITY RIGHT-OF-WAY. ALL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.

3. CONTRACTOR SHALL PROVIDE SAW CUTS AT THE UNION BETWEEN EXISTING CONDITIONS AND PROPOSED CONSTRUCTION UNLESS OTHERWISE NOTED. REFER TO PLANS FOR ADDITIONAL INFORMATION.

4. UNLESS NOTED ON THE DRAWINGS ALL BUFFERS, WETLANDS, STREAM CHANNELS, SETBACKS AND TREE PROTECTION AREAS SHALL BE PROTECTED WITH NO CONSTRUCTION ACCESS, STORAGE OR USE OF ANY KIND. THE CONTRACTOR SHALL KEEP CONSTRUCTION ACTIVITIES WITHIN THE "PROJECT LIMITS" SHOWN ON THE DRAWINGS.

5. ALL DIMENSIONS INDICATING "VERIFY" SHALL BE CONFIRMED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION - REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.

6. ALL DIMENSIONS LABELED "EQ" ARE TO INDICATE EQUAL MEASUREMENTS BETWEEN THE DIMENSIONS END POINTS ON THE DRAWING.

7. STREET AND PARKING DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE INDICATED.

8. ALL PROPOSED FACE OF CURB RADII ARE 4'-0" UNLESS OTHERWISE INDICATED.

9. THE CONTRACTOR SHALL STAKE THE LAYOUT AND ALIGNMENT OF COMPOSITE DECK, AS WELL AS ALL PAVEMENTS, WALLS, COMPOSITE DECK, AND OTHER SITE FEATURES IN THE FIELD FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO START OF CONSTRUCTION.

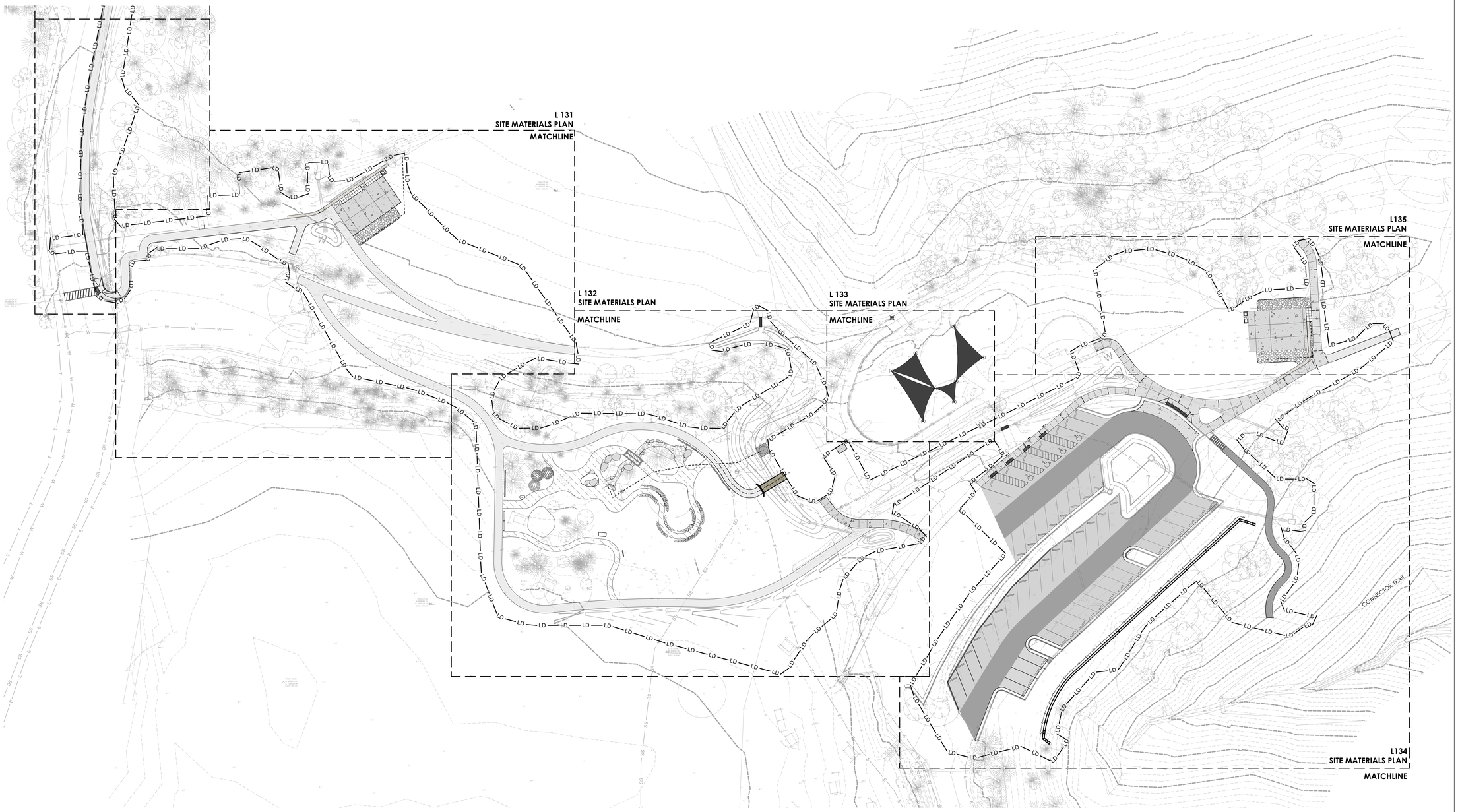
10. THE CONTRACTOR SHALL PROVIDE SMOOTH LAYOUT ALIGNMENTS BETWEEN EXISTING CONDITIONS AND PROPOSED SITE IMPROVEMENTS.

11. ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED ON THE DRAWINGS.

12. UNLESS OTHERWISE NOTED, CONCRETE SCORE AND EXPANSION JOINTS SHALL BE ALIGNED WITH BUILDING FEATURES AND WITH CORNERS OF PAVEMENT. SPACE THE ADDITIONAL JOINTS BETWEEN THESE POINTS EQUALLY.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL EXISTING JOB CONDITIONS. ANY ADVERSE EXISTING CONDITIONS AFFECTING THE WORK SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR POSSIBLE CLARIFICATION OR RECONCILIATION.

14. ITEMS LABELED AS "BY OTHERS" OR "NIC" ARE FOR COORDINATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ANY SUCH ITEMS WITH THE OWNER'S REPRESENTATIVE.



1 PARK MATERIALS REFERENCE PLAN
Scale: 1" = 30'-0"

0' 15' 30' 60'

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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA 1330 REGISTERED LANDSCAPE ARCHITECT

CLIENT

WAKE COUNTY NORTH CAROLINA

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KEY MAP

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DATE: MARCH 21, 2025
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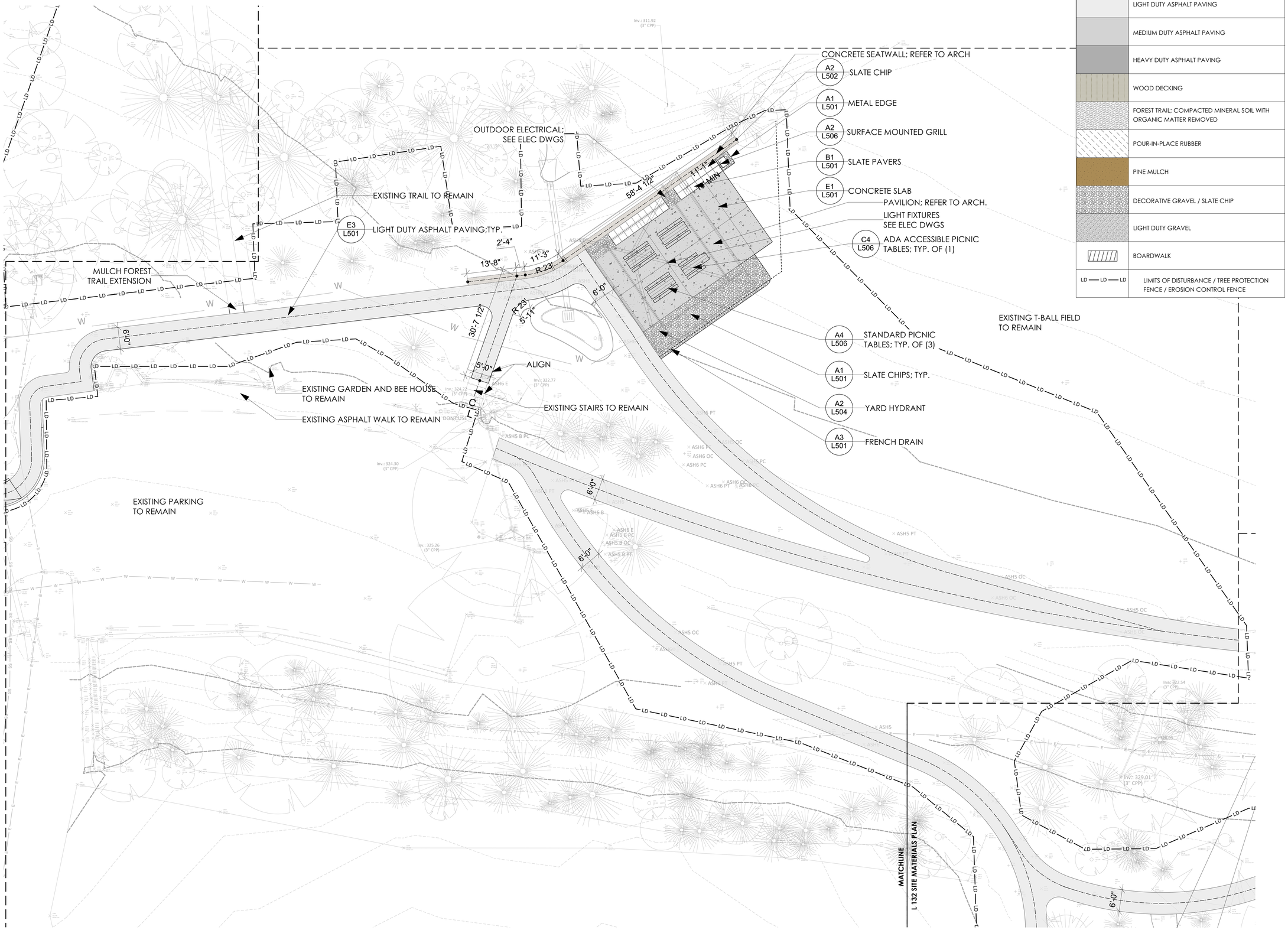
CHECKED: TW

SHEET TITLE:

LANDSCAPE
PARKS MATERIALS
REFERENCE PLAN

L130



1 T-BALL FIELD MATERIALS PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

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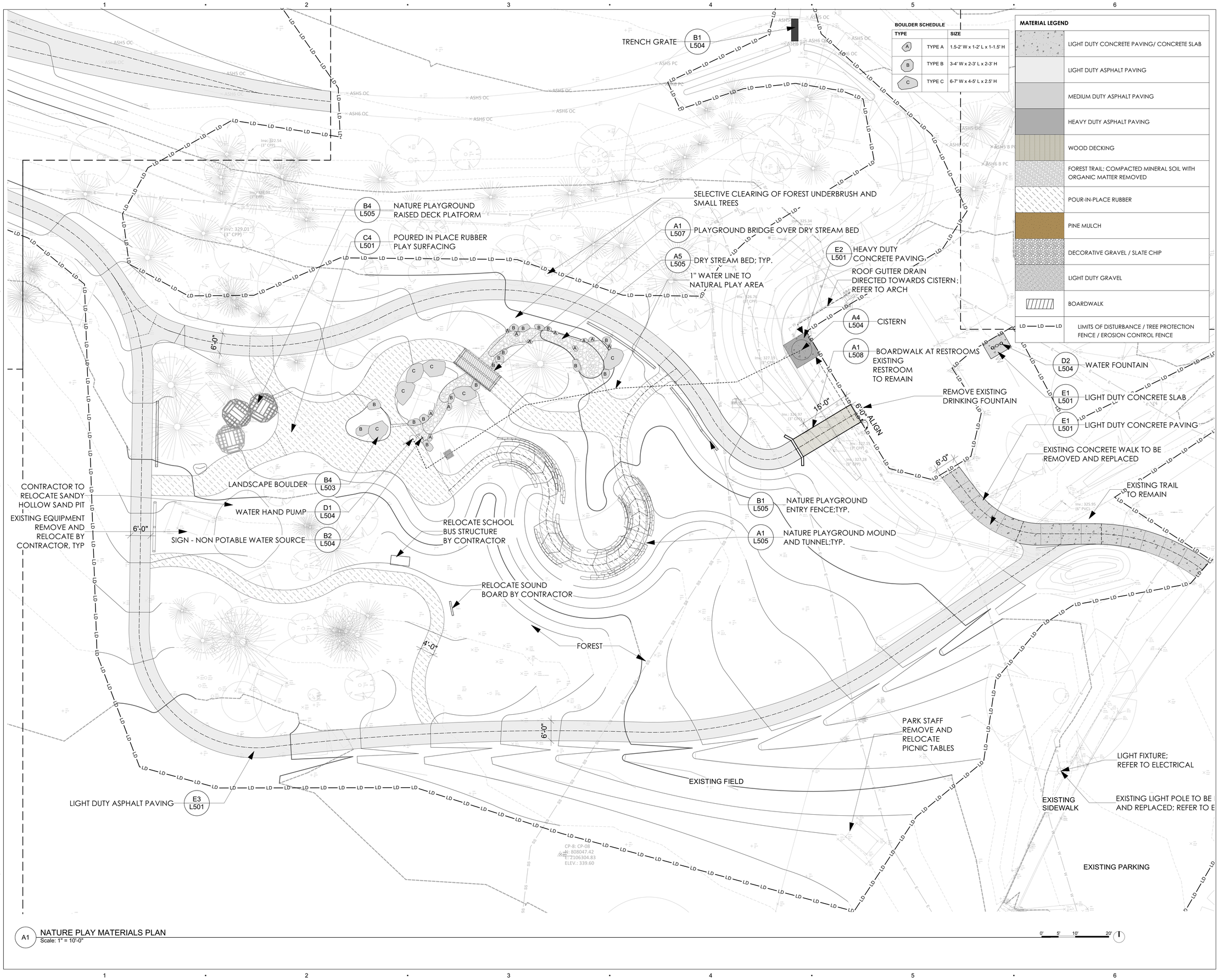
SHEET TITLE:

LANDSCAPE T-BALL FIELD MATERIALS PLAN

L131



BOULDER SCHEDULE

TYPE		SIZE
A	TYPE A	1.5-2' W x 1-2' L x 1-1.5' H
B	TYPE B	3-4' W x 2-3' L x 2-3' H
C	TYPE C	6-7' W x 4-5' L x 2.5' H

MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

A1 NATURE PLAY MATERIALS PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

Surface 678, P.A.
215 Morris Street, Suite 150
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www.surface678.com

p: 919-419-7199
f : 919-419-1669

CONSULTANTS

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CIVIL ENGINEER
THE WOOTEN COMPANY
120 N. BOYLAN AVENUE
RALEIGH, NC 27603
WWW.THEWOOTENCOMPANY.COM

MECHANICAL, PLUMBING, ELECTRICAL, & FIRE PROTECTION DESIGN:
SIGMA ENGINEERED SOLUTIONS, P.C.
5909 FALLS OF NEUSE RD, SUITE#101
RALEIGH, NC 27609
WWW.SIGMAES.COM

STRUCTURAL ENGINEER:
LYSAGHT & ASSOCIATES
120 SAINT MARYS STREET
RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
PALACIO
400 GALLERIA PKWY SE, SUITE 1500
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WWW.PALACIOCOLLABORATIVE.COM

REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 TIMOTHY WOOTEN

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

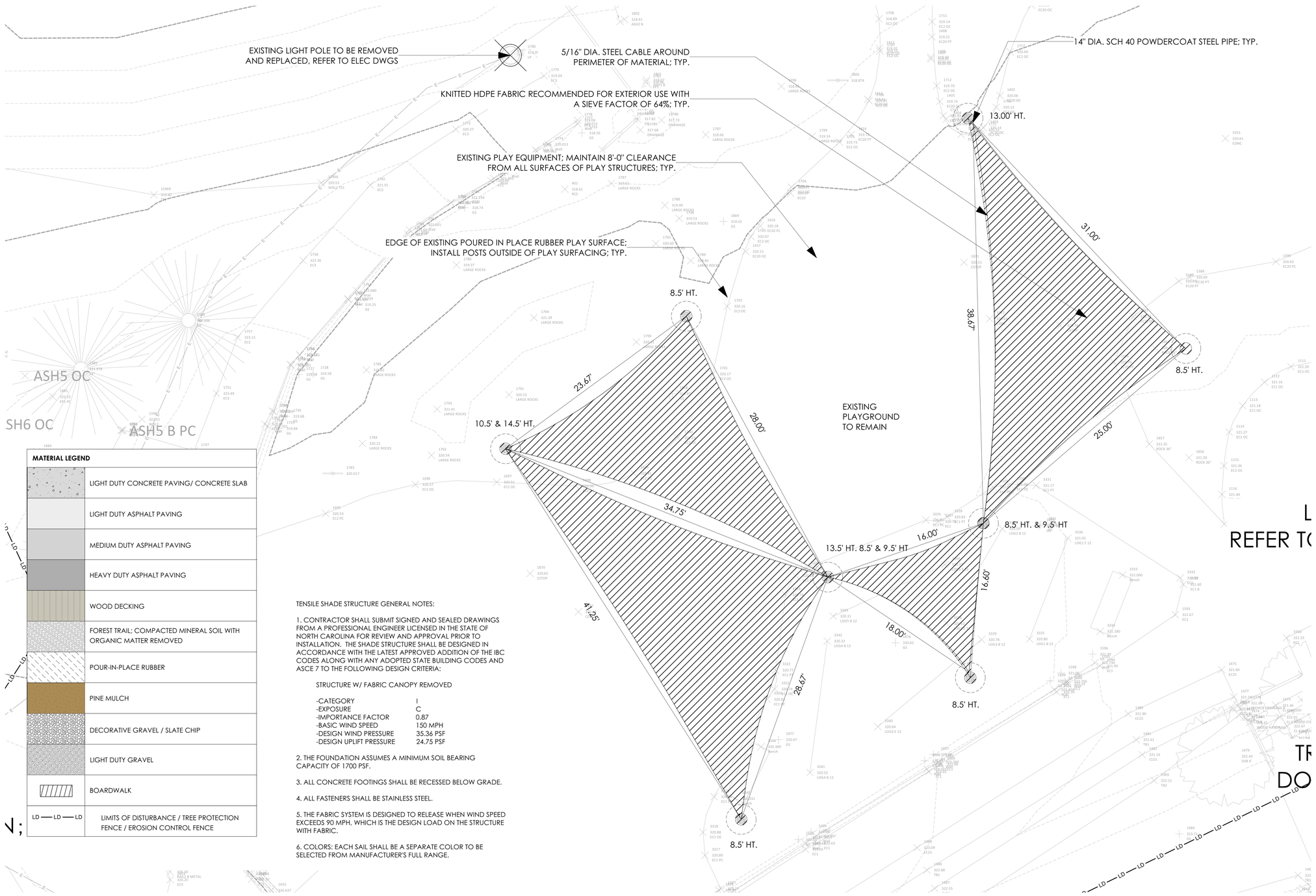
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE NATURE PLAY MATERIALS PLAN

L132



MATERIAL LEGEND	
	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL: COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

TENSILE SHADE STRUCTURE GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS FROM A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NORTH CAROLINA FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. THE SHADE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST APPROVED ADDITION OF THE IBC CODES ALONG WITH ANY ADOPTED STATE BUILDING CODES AND ASCE 7 TO THE FOLLOWING DESIGN CRITERIA:

STRUCTURE W/ FABRIC CANOPY REMOVED

-CATEGORY	I
-EXPOSURE	C
-IMPORTANCE FACTOR	0.87
-BASIC WIND SPEED	150 MPH
-DESIGN WIND PRESSURE	35.36 PSF
-DESIGN UPLIFT PRESSURE	24.75 PSF

2. THE FOUNDATION ASSUMES A MINIMUM SOIL BEARING CAPACITY OF 1700 PSF.

3. ALL CONCRETE FOOTINGS SHALL BE RECESSED BELOW GRADE.

4. ALL FASTENERS SHALL BE STAINLESS STEEL.

5. THE FABRIC SYSTEM IS DESIGNED TO RELEASE WHEN WIND SPEED EXCEEDS 90 MPH, WHICH IS THE DESIGN LOAD ON THE STRUCTURE WITH FABRIC.

6. COLORS: EACH SAIL SHALL BE A SEPARATE COLOR TO BE SELECTED FROM MANUFACTURER'S FULL RANGE.

A1 PLAYGROUND MATERIALS PLAN
Scale: 1/4" = 1'-0"

0 4 8 12 FT

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CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
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RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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SHEET TITLE:

LANDSCAPE PLAYGROUND MATERIALS PLAN

L133

LED LIGHT FIXTURE, REFER TO ELEC DRAWING

CURB TRANSITION A5 L501

(4) ADA PARKING SPACES A4 L501

TRUNCATED DOME PAVER D4 L501

LIGHT DUTY CONCRETE PAVING; TYP. E1 L501

30" NCDOT STANDARD CURB AND GUTTER D1 L501

EXTENT OF EXISTING PARKING

TRENCH GRATE B1 L504

ACCESSIBLE PARKING SIGNAGE A1 L503

D2 L504

E1 L501

E1 L501

EXISTING CONCRETE TRAIL TO REMAIN

EXISTING LIGHT POLE TO BE REMOVED AND REPLACED; REFER TO ELEC DWGS

EXISTING PARKING TO REMAIN

STANDING CONCRETE CURB D2 L501

EXISTING LIGHT POLE TO BE REMOVED AND REPLACED; REFER TO ELEC DWGS

EXISTING PARKING TO REPLACE

A1 L506 (4) FIXED BOLLARDS

B4 L501 ACCESSIBLE CURB RAMP, TYPE 1

DROPOFF AREA

E6 L501 EXPANSION JOINT; TYP.

D1 L505 TIMBER STAIRS

LED LIGHT FIXTURE, REFER TO ELEC DRAWING

FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED

B1&C1 L511

B1&C1 L511

E5 L501 HEAVY DUTY ASPHALT PAVING; TYP.

E4 L501 MEDIUM DUTY ASPHALT PAVING; TYP.

D3 L503 GUARDRAIL

D1 L503 SEGMENTAL BLOCK RETAINING WALL

D1 L501 30" NCDOT STANDARD CURB AND GUTTER

C5 L501 CONCRETE WHEEL STOP; TYP.

CLEARING AND GRUBBING OF EXISTING VEGETATION; TYP.

EXISTING LIGHT POLE TO BE REMOVED AND RELOCATED; REFER TO ELEC DWGS

MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

1 MAIN PARKING MATERIALS PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

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KEY MAP

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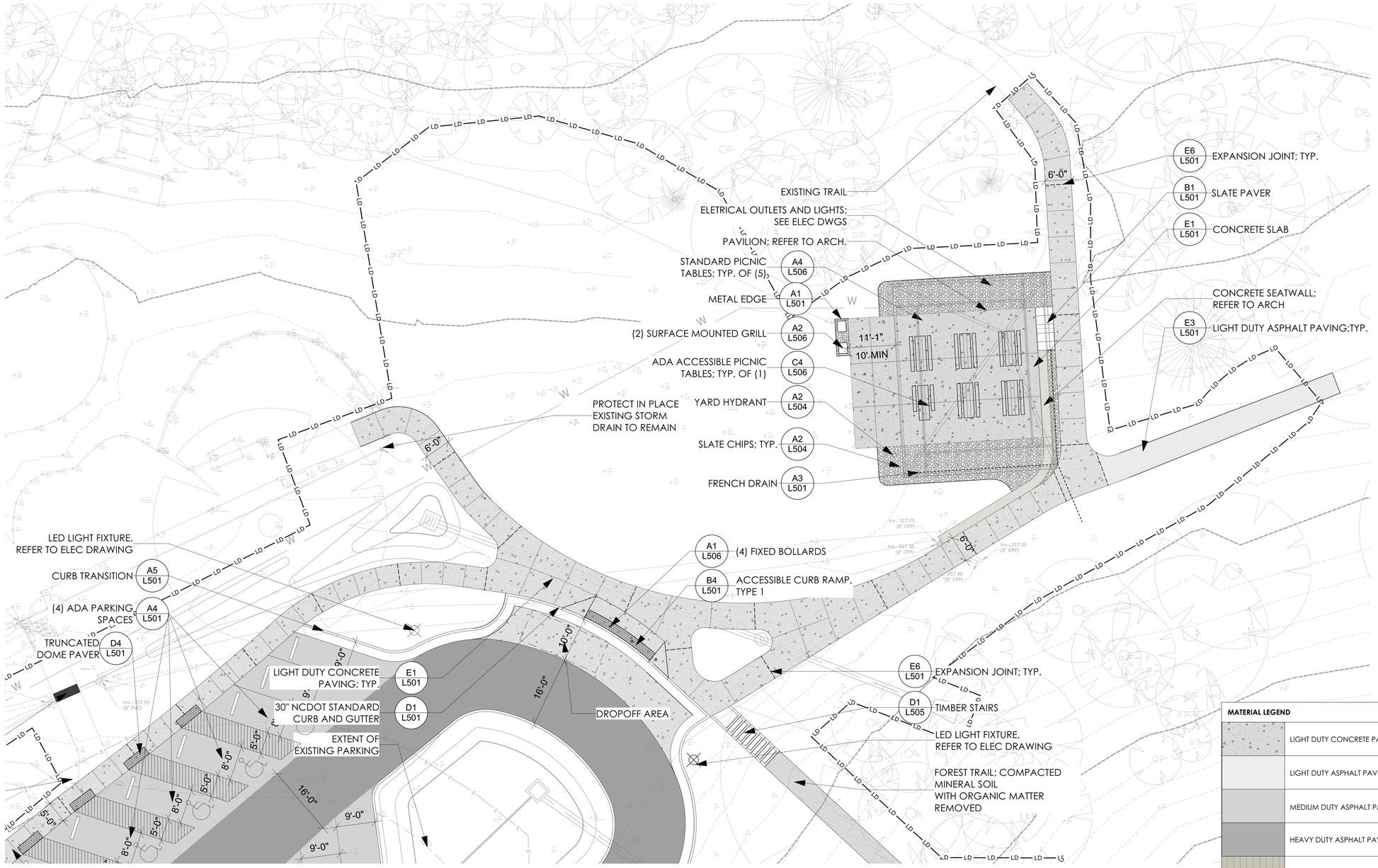
CHECKED: TW

SHEET TITLE:

LANDSCAPE
MAIN PARKING
MATERIALS PLAN

L134



2 PLAYGROUND PAVILION MATERIALS PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

MATERIAL LEGEND	
	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

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BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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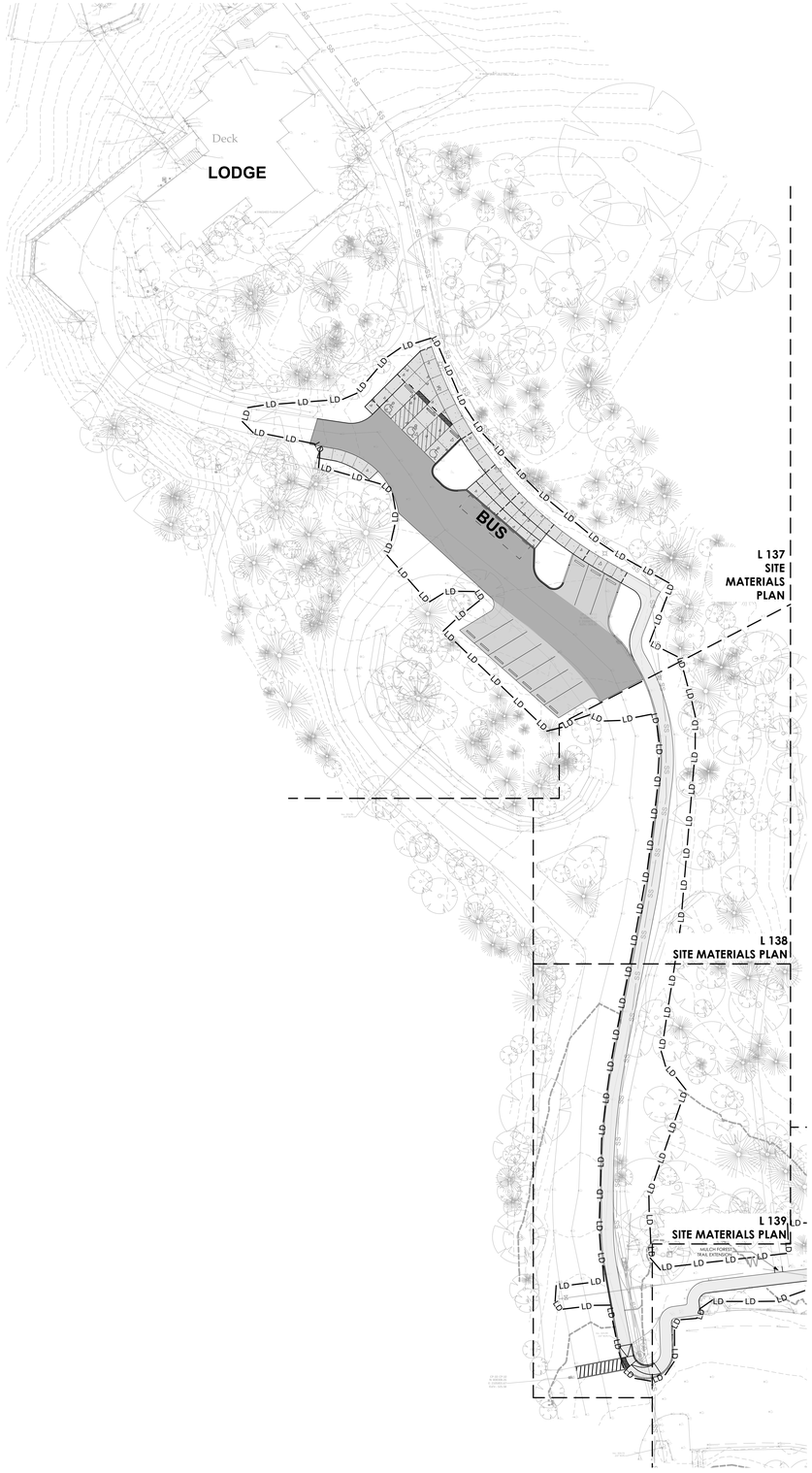
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE PLAYGROUND PAVILION MATERIALS PLAN

L135



1 LODGE REFERENCE PLAN
Scale: 1" = 30'-0"

0' 15' 30' 60'

Surface

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REGISTRATION

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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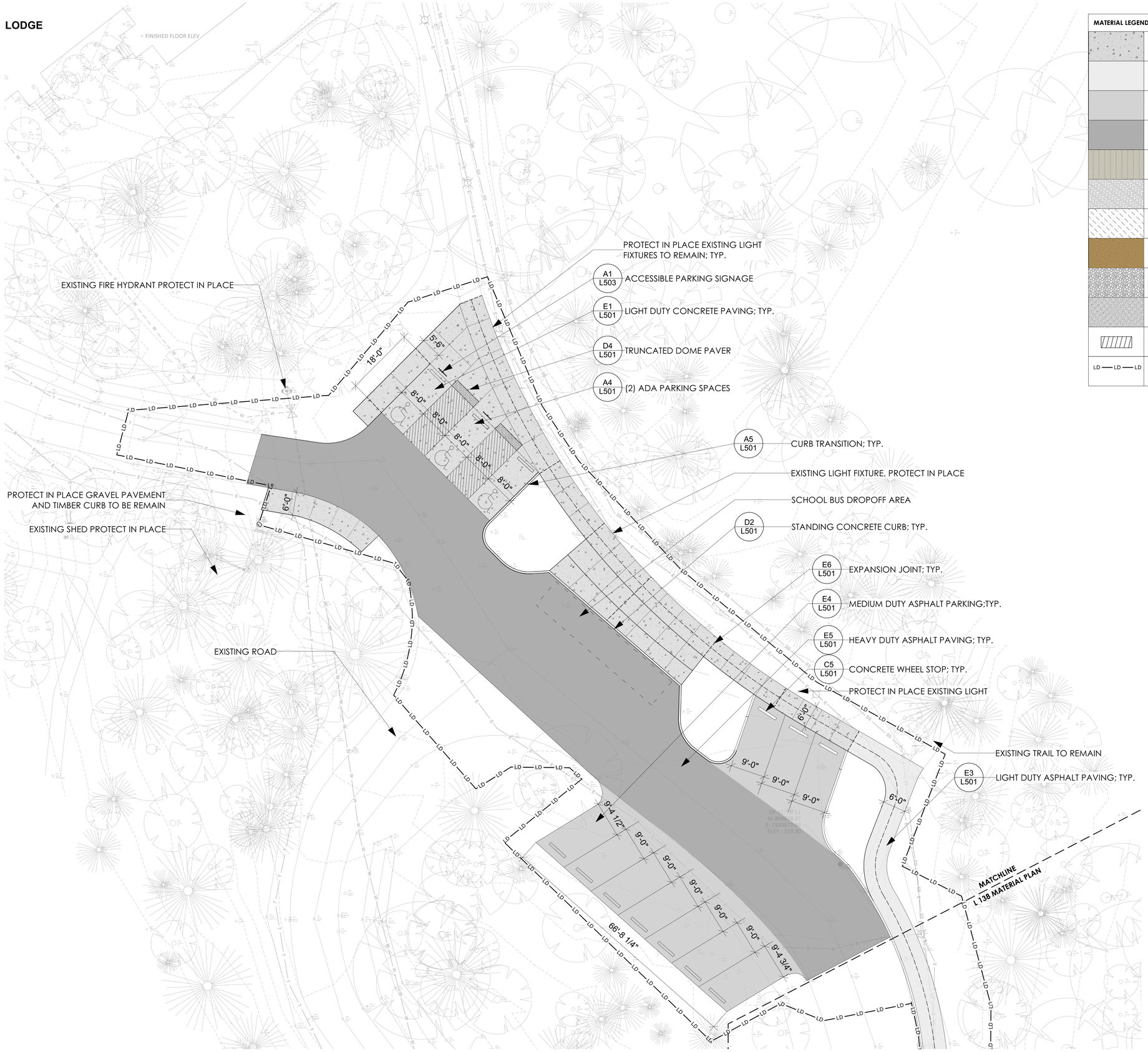
PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
LODGE MATERIALS
REFERENCE PLAN

L136

LODGE



1 MAIN LODGE MATERIALS PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

MATERIAL LEGEND	
	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL: COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

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REGISTRATION

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY NORTH CAROLINA

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3200 PLEASANT UNION CHURCH RD.

KEY MAP

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PROJECT NO:
DATE: MARCH 21, 2025
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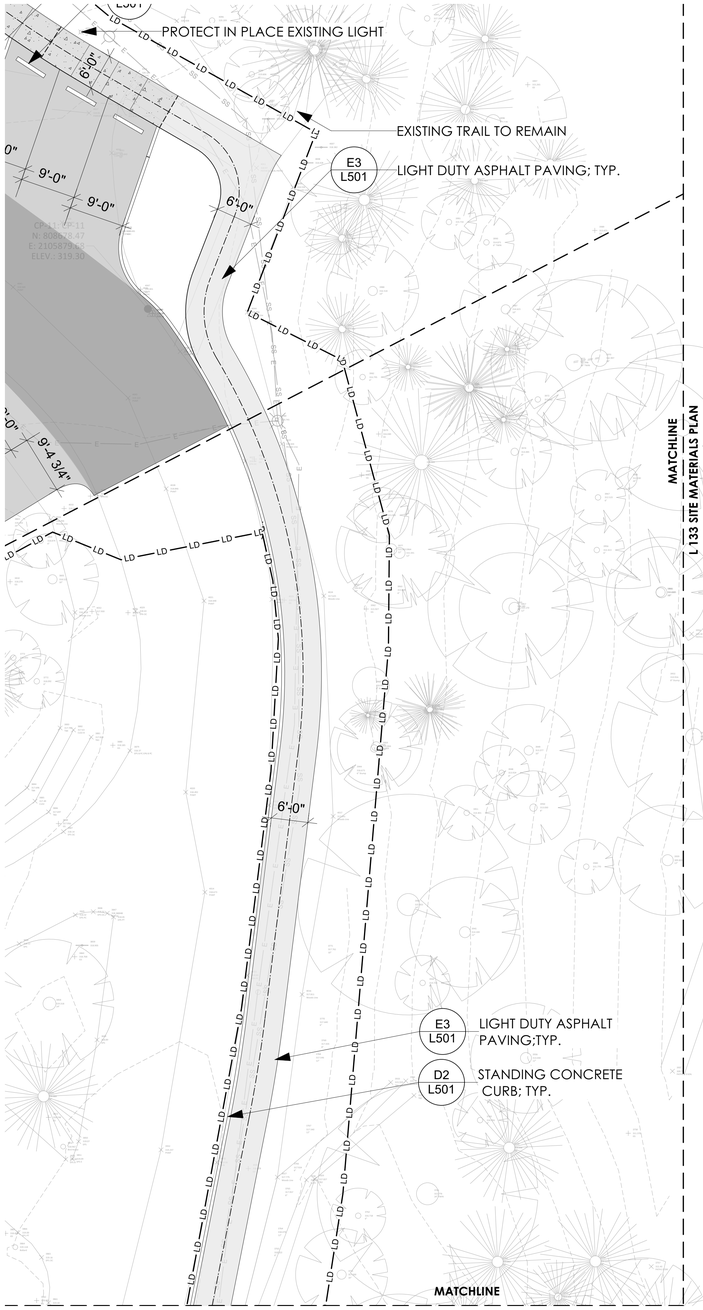
CHECKED: TW

SHEET TITLE:

LANDSCAPE MAIN LODGE MATERIALS PLAN

L137



MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
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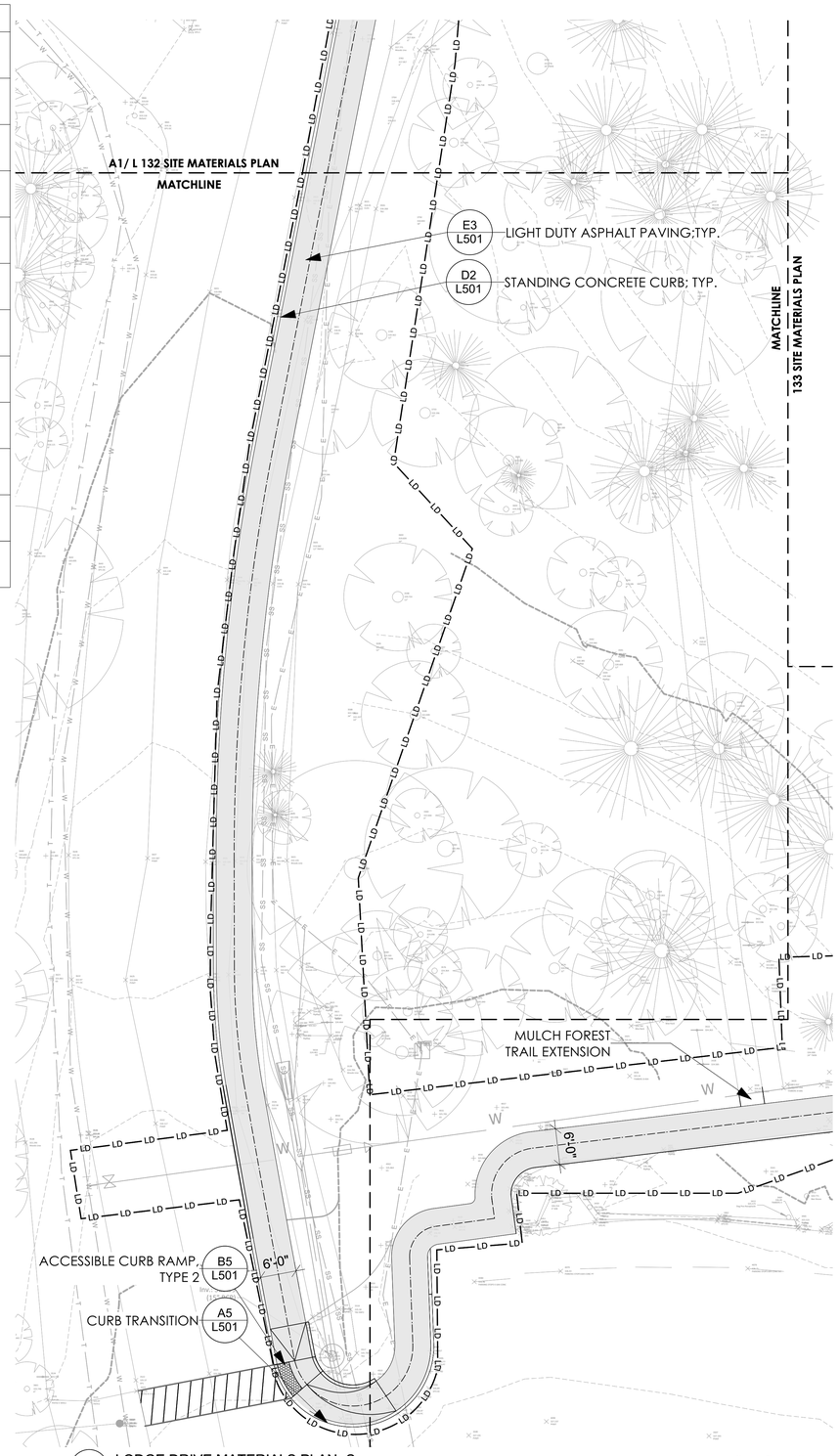
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE



A1 LODGE DRIVE MATERIALS PLAN- N
Scale: 1" = 10'-0"

2 LODGE DRIVE MATERIALS PLAN- S
Scale: 1" = 10'-0"

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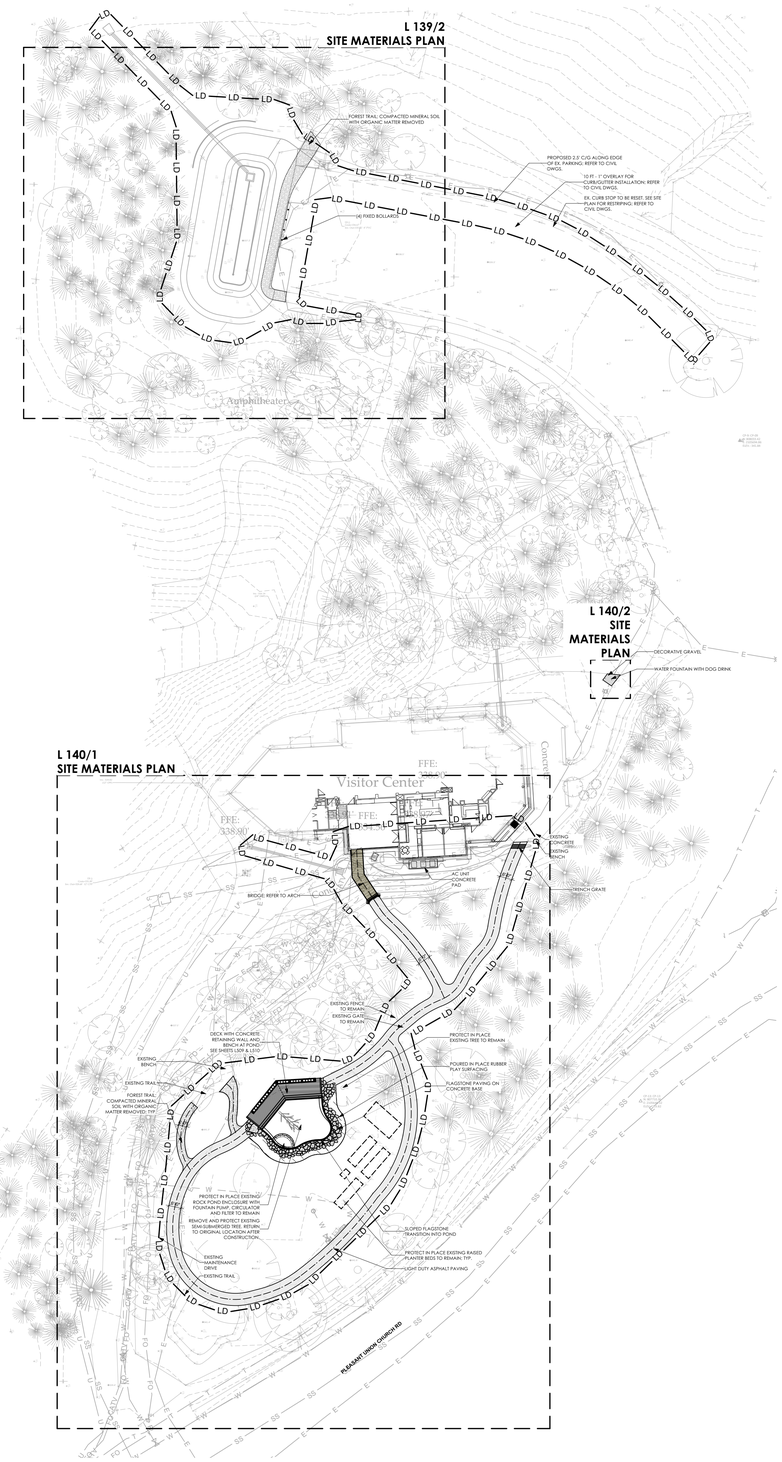
SHEET TITLE:

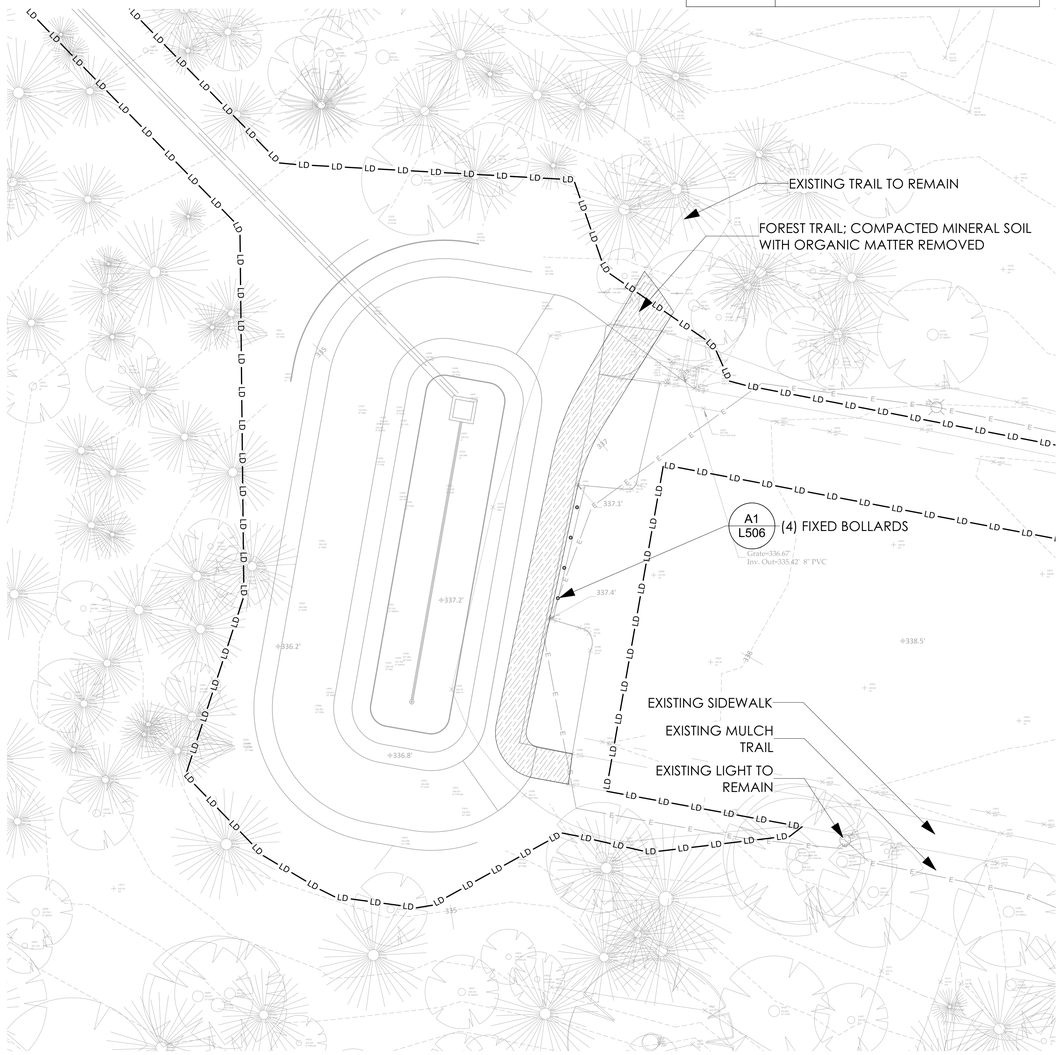
LANDSCAPE
LODGE DRIVE
MATERIALS PLAN

L138



1 VISITOR CENTER
Scale: 1" = 30'-0"

0' 15' 30' 60'



2 VISITOR CENTER PARKING LOT EXTENSION
Scale: 1" = 10'-0"

0' 5' 10' 20'

MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
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	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
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	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
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	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

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RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

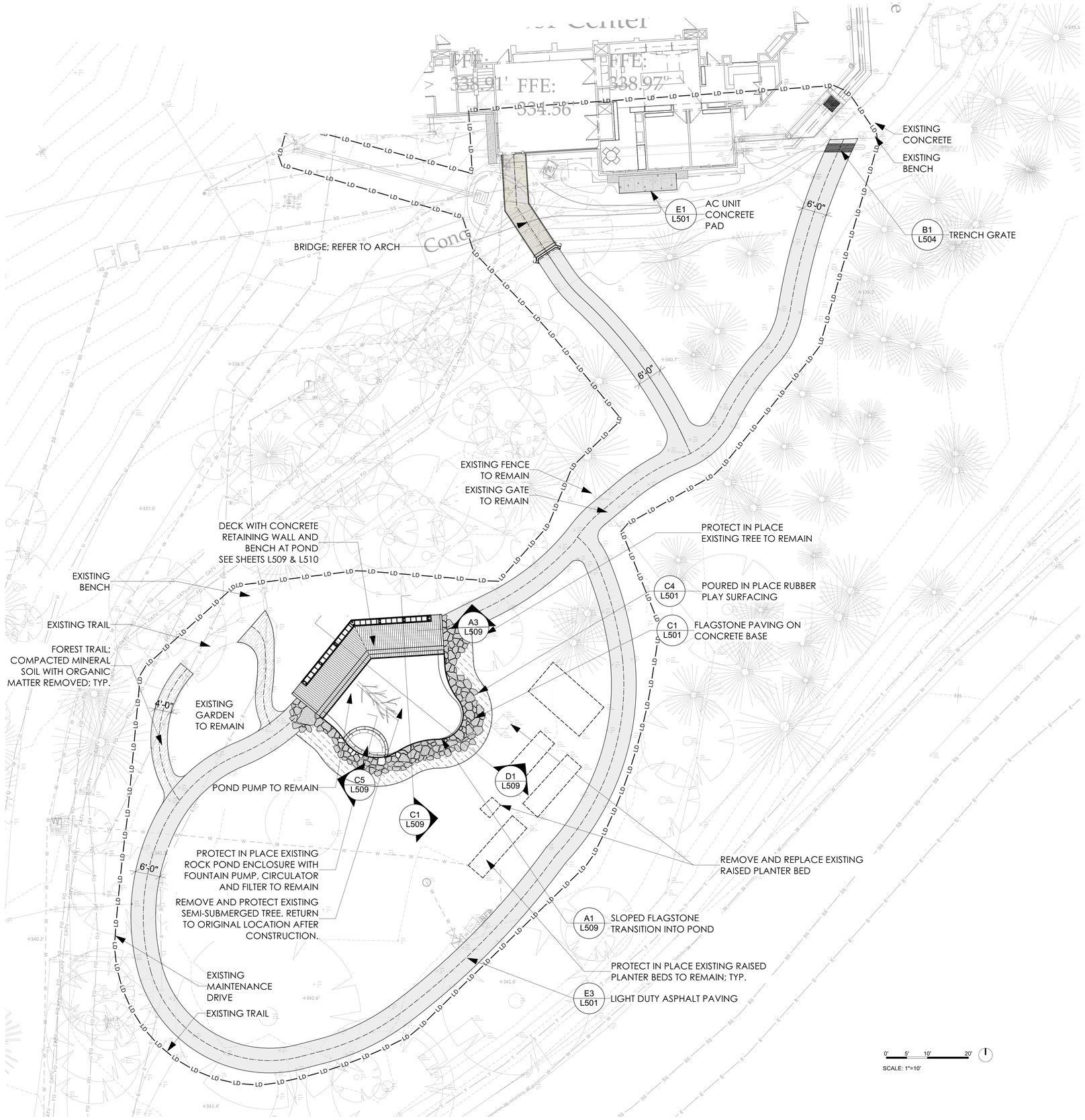
NO.	REVISION	DATE

ISSUE:
100% CONSTRUCTION DOCUMENTS

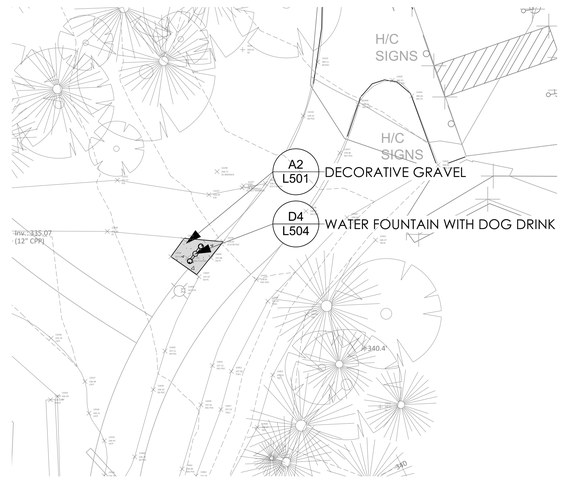
PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:
LANDSCAPE VISITOR CENTER REFERENCE AND PARKING MATERIALS PLAN

L139



1 VISITORS CENTER POND AREA
Scale: 1" = 10'-0"



2 EXISTING DRINKING FOUNTAIN
Scale: 1" = 10'-0"

MATERIAL LEGEND	
	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 TIMOTHY WOOTEN

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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LANDSCAPE
VISITOR CENTER POND
MATERIALS PLAN

L140

MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 JAMES W. HOLLAND

CLIENT

WAKE COUNTY
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RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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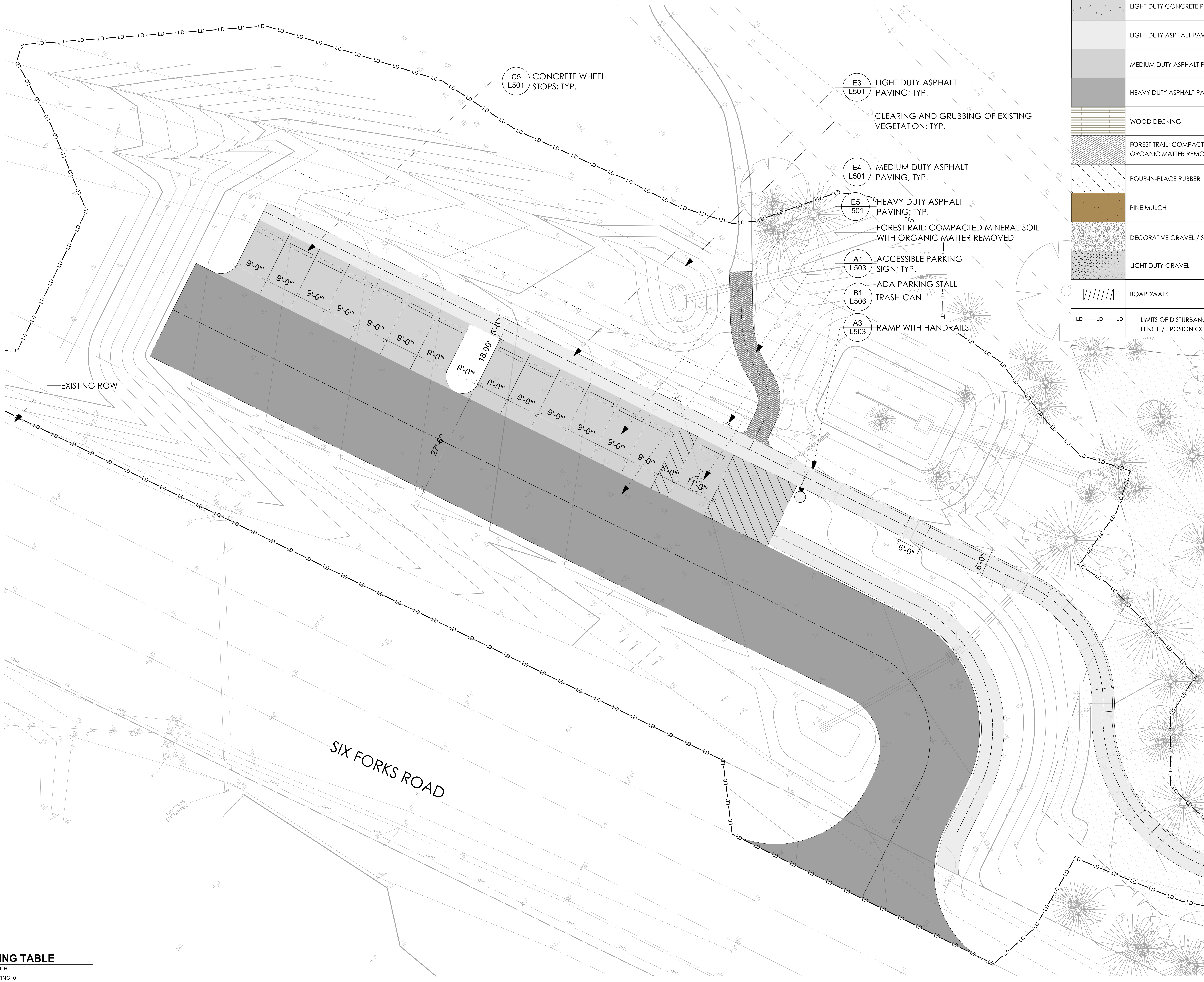
CHECKED: TW

SHEET TITLE:

LANDSCAPE KAYAK LAUNCH REFERENCE MATERIALS PLAN

L141

1 · 2 · 3 · 4 · 5 · 6



MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD —— LD —— LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

PARKING TABLE

KAYAK LAUNCH

- EXISTING: 0
- EXISTING ACCESSIBLE: 0
- PROPOSED: 13
- PROPOSED ACCESSIBLE: 1
- TOTAL: 14 (13 + 1 ADA)

0' 5' 10' 20'
SCALE: 1"=10'

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REGISTRATION

NORTH CAROLINA LANDSCAPE ARCHITECTURAL SURFACE 678, P.A. C-098

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT MATTHEW ERIC DAVIS 1330

CLIENT

WAKE COUNTY NORTH CAROLINA

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RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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DRAWN: MH,YL,SZ
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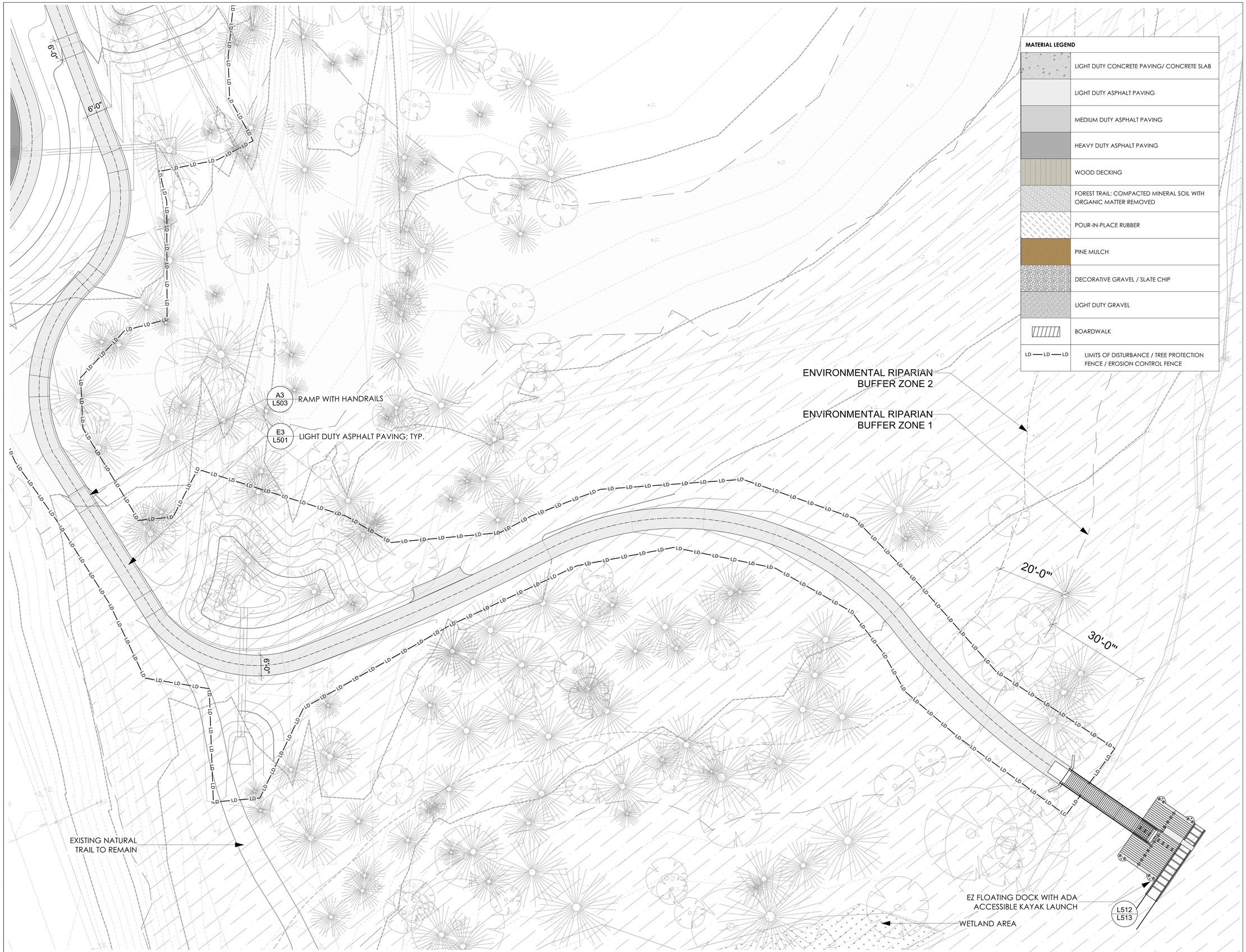
SHEET TITLE:

LANDSCAPE
KAYAK LAUNCH
MATERIALS PLAN

L142



MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
	MEDIUM DUTY ASPHALT PAVING
	HEAVY DUTY ASPHALT PAVING
	WOOD DECKING
	FOREST TRAIL; COMPACTED MINERAL SOIL WITH ORGANIC MATTER REMOVED
	POUR-IN-PLACE RUBBER
	PINE MULCH
	DECORATIVE GRAVEL / SLATE CHIP
	LIGHT DUTY GRAVEL
	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

A1 KAYAK LAUNCH MATERIALS PLAN - S
Scale: 1" = 10'-0"

0' 5' 10' 20'

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REGISTRATION

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CLIENT

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BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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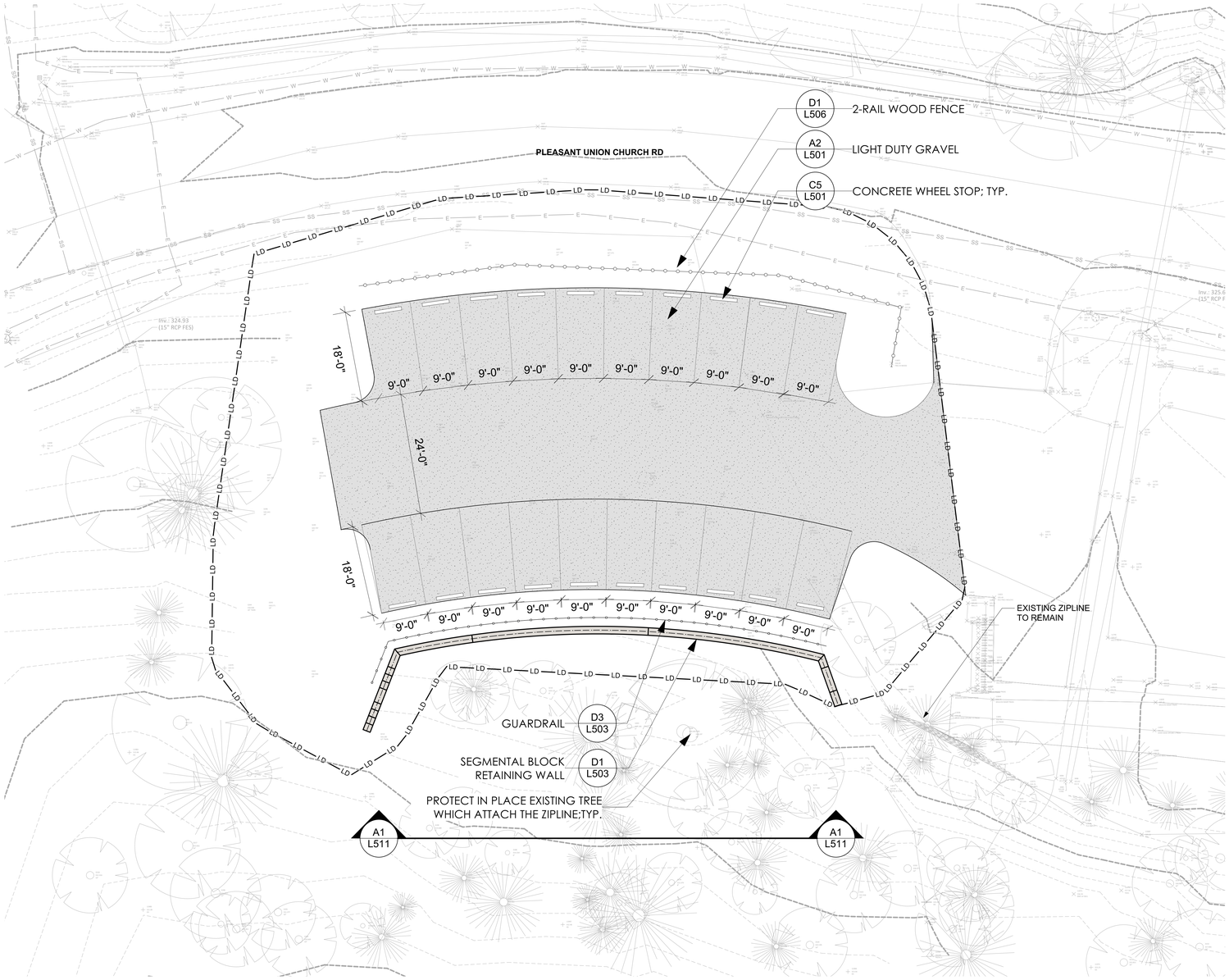
SHEET TITLE:

LANDSCAPE
KAYAK LAUNCH
MATERIALS PLAN

L143



0' 5' 10' 20'
SCALE: 1"=10'

MATERIAL LEGEND

	LIGHT DUTY CONCRETE PAVING/ CONCRETE SLAB
	LIGHT DUTY ASPHALT PAVING
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	BOARDWALK
LD — LD — LD	LIMITS OF DISTURBANCE / TREE PROTECTION FENCE / EROSION CONTROL FENCE

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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 JAMES WILLIAM TAYLOR

CLIENT

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NORTH CAROLINA

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WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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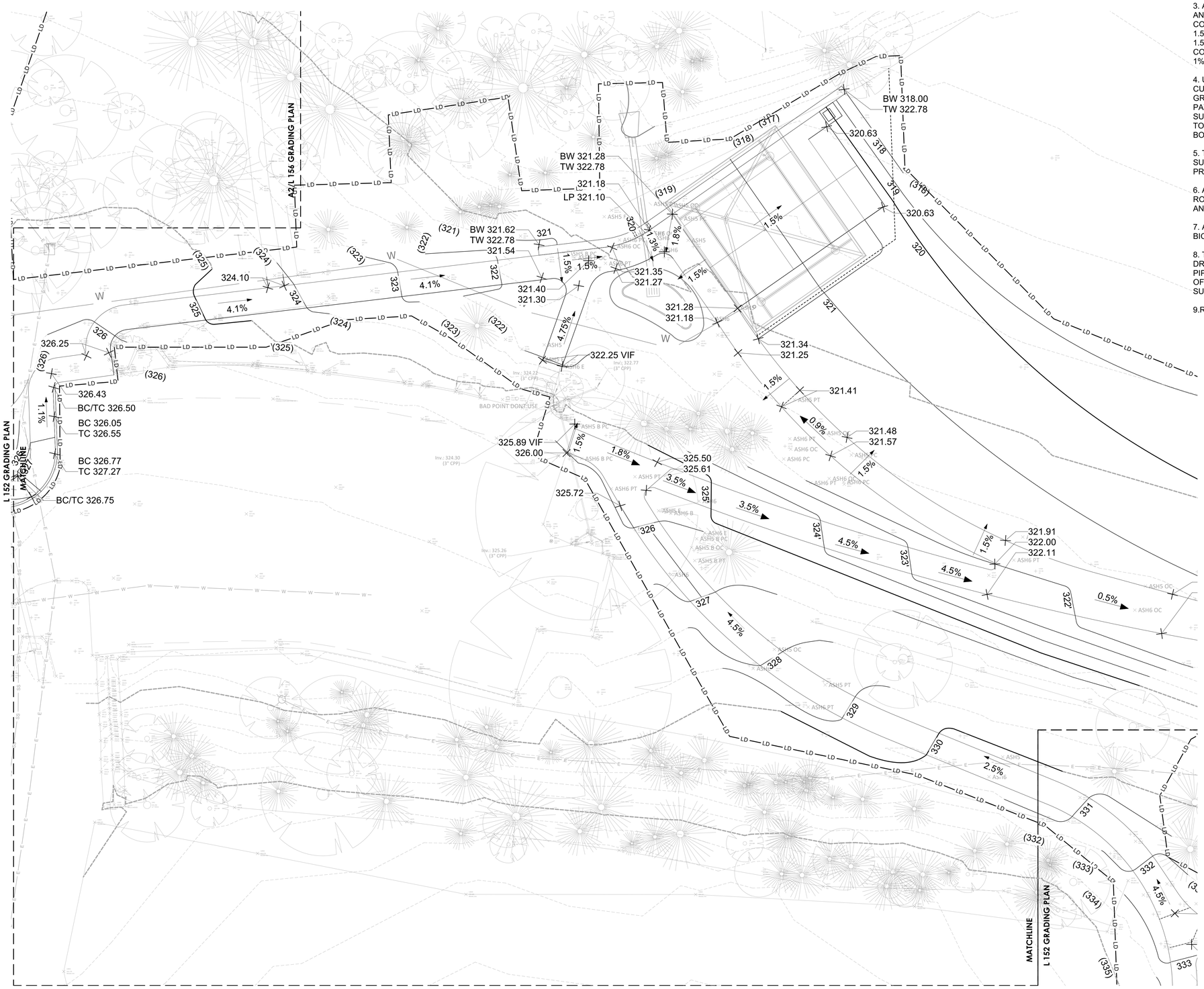
SHEET TITLE:

LANDSCAPE
GO APE PARKING
MATERIALS PLAN

L144



A1 TRAIL CONNECTION GRADING PLAN
Scale: 1" = 10'-0"

SITE GRADING NOTES

1. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING WORK. CONTRACTOR SHALL CONTACT THE TOWN OF BOONE FOR LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING AROUND EXISTING UTILITIES TO REMAIN.

2.MATCH NEW CONSTRUCTION TO SURROUNDING ESTABLISHED GRADES. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.

3. ALL AREAS ARE TO BE GRADED TO PROVIDE POSITIVE DRAINAGE AND AS SHOWN ON THE PLANS. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN A MINIMUM 2.5% SLOPE ON LAWNS, 1.5% ON UNIT PAVER SURFACES, 1% ON CONCRETE FLATWORK AND 1.5% ON ASPHALT SURFACES. ALL STEPS, PRECAST SURFACES, CONSTRUCTED SEATING; WALL TOPS SHALL RECEIVE A MINIMUM OF 1% SLOPE TO PROVIDE WASH.

4. UNLESS OTHERWISE NOTED, SPOT GRADES REFER TO BOTTOM OF CURB AT THE FLOW LINE (ADD 6" FOR THE TOP OF CURB). ALL SPOT GRADES AT THE EDGE OF PAVEMENTS SHALL REPRESENT THE PAVEMENT GRADES, NOT ADJOINING LANDSCAPE. ELEVATIONS SUPPLIED FOR CATCH BASINS OR AREA DRAINS ARE INDICATED FOR TOP OF GRATE AND TOP OF COVER FOR MANHOLES OR JUNCTION BOXES.

5. THE FRAMES, GRATES, CLEAN OUTS, VALVE COVERS AND OTHER SURFACE UTILITY FEATURES SHALL BE ADJUSTED TO MEET PROPOSED GRADES WITH APPROPRIATE INSTALLATION DETAILS.

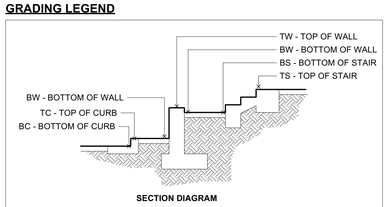
6. ALL STORM DRAINAGE GRATES AND COVERS WITHIN ACCESSIBLE ROUTES THAT ARE SHOWN ON THE DRAWINGS SHALL MEET STATE AND FEDERAL ADA REQUIREMENTS.

7. ALL DRAINAGE GRATES WITHIN PEDESTRIAN PAVING SHALL BE BICYCLE WHEEL SAFE.

8. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAINAGE THAT PROVIDES ALIGNMENT WITH EXISTING SWALES, PIPES AND STRUCTURES. THE CONTRACTOR SHALL ALIGN THE TOP OF GRATE WITH INTENDED SCORE JOINTS, CURBS OR OTHER SURFACE DESIGN ELEMENTS OR AS SHOWN ON THE DRAWINGS.

9.REFER TO CIVIL DRAWINGS FOR ALL DRAIN INLET RIM ELEVATIONS.

GRADING LEGEND



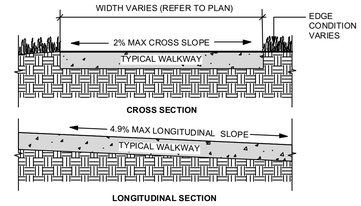
SECTION DIAGRAM

SPOT GRADE LEGEND

+ (100.00)	EXISTING SPOT ELEVATION
+ (100.00 +/-)	EXTRAPOLATED EXISTING SPOT ELEVATION TO BE VERIFIED IN THE FIELD
+ 100.00	PROPOSED SPOT ELEVATION

RE- AREA DRAIN RIM ELEVATION
TD/RE - TRENCH DRAIN RIM ELEVATION
HP- HIGH POINT
LP- LOW POINT
HP/LP- LOW POINT AT RIDGE LINE DRAINAGE DIVIDE
TC- TOP OF CURB
BC - BOTTOM OF CURB
TW- TOP OF WALL
BW- BOTTOM OF CURB
TR - TOP OF RAMP FINISH GRADE
BR - BOTTOM OF RAMP FINISH GRADE
TS - TOP OF STAIR
BS - BOTTOM OF STAIR
FFE - FINISH FLOOR ELEVATION

ADA ROUTE MINIMUM CONSTRUCTION STANDARDS



NOTE:
DETAIL APPLIES TO ALL ACCESSIBLE ROUTES

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1300 TIMOTHY A. WOOTEN

CLIENT

WAKE COUNTY
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BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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SHEET TITLE:

LANDSCAPE
T-BALL FIELD
GRADING PLAN

L150

A1 NATURE PLAY GRADING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

REGISTERED LANDSCAPE ARCHITECT 1300

CLIENT

WAKE COUNTY NORTH CAROLINA

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WAKE COUNTY OFFICE BUILDING
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BLUE JAY POINT COUNTY PARK

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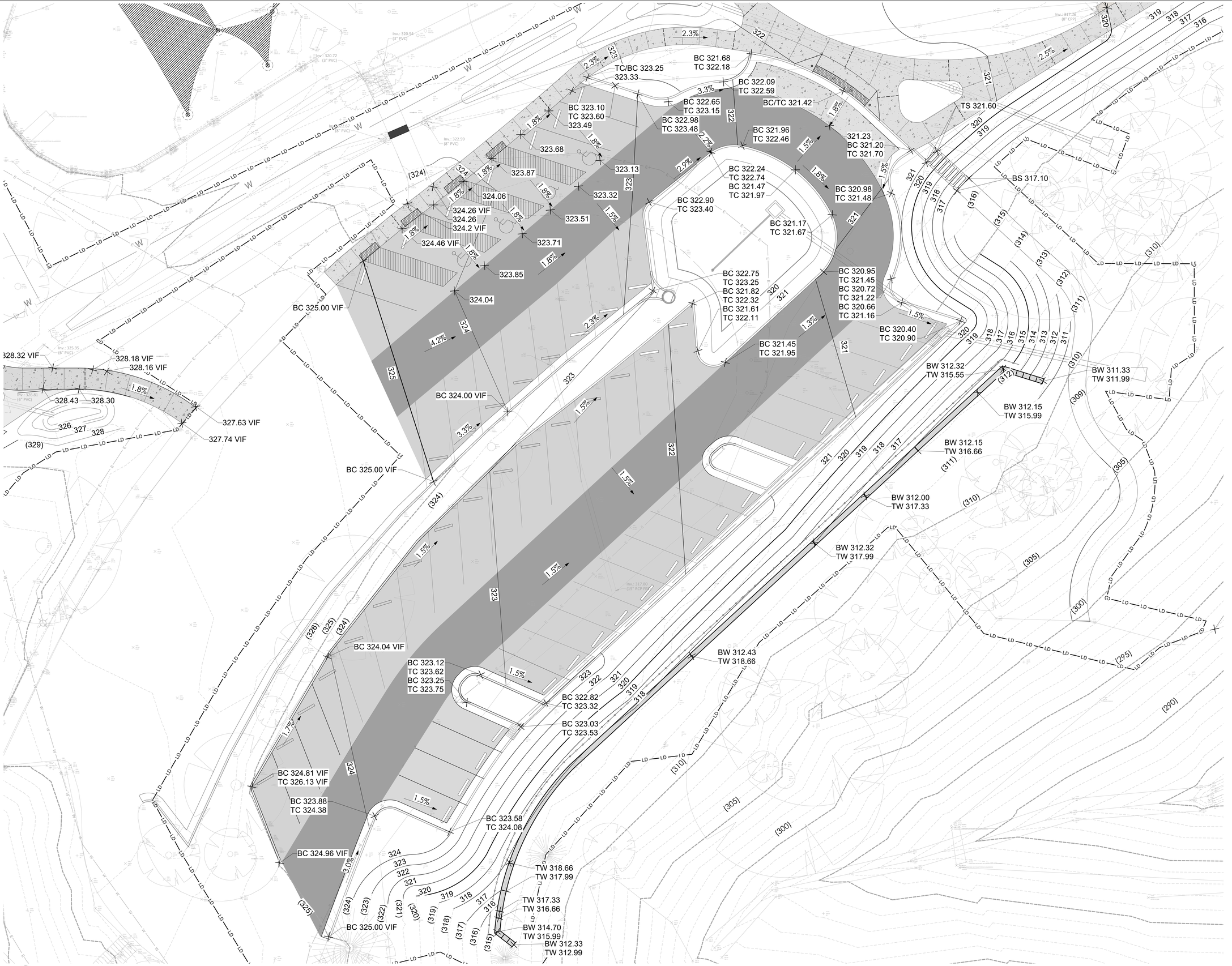
SHEET TITLE:

LANDSCAPE
NATURE PLAY
GRADING PLAN

L151



A1 MAIN PARKING GRADING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

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REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1300 SCOTT L. TAYLOR

CLIENT

WAKE COUNTY
NORTH CAROLINA

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WAKE COUNTY OFFICE BUILDING
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BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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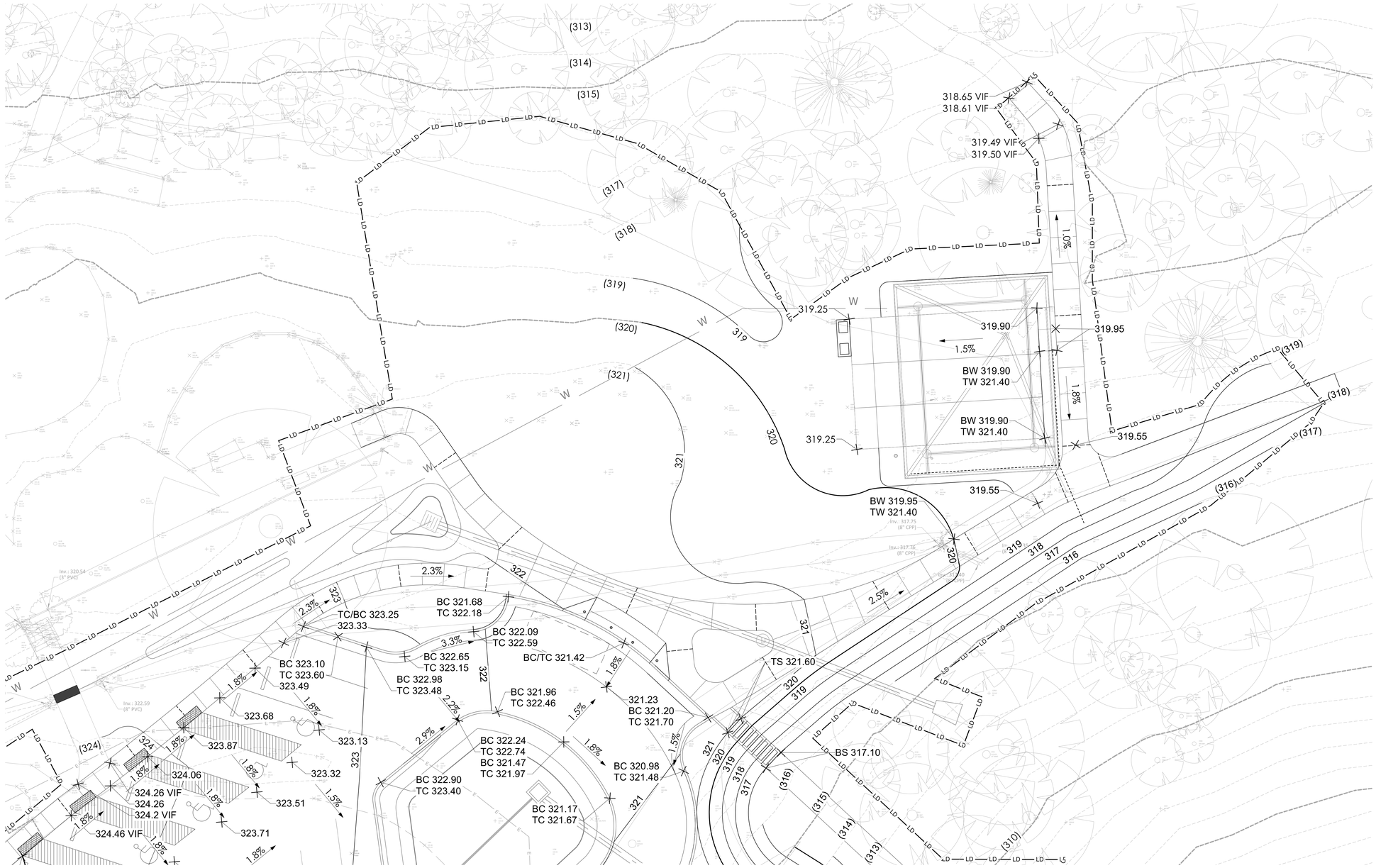
SHEET TITLE:

LANDSCAPE
MAIN PARKING
GRADING PLAN

L152



A1 PLAYGROUND PAVILION GRADING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

Surface 678, P.A.
215 Morris Street, Suite 150
Durham, NC 27701

www.surface678.com

p: 919-419-1199
f : 919-419-1669

CONSULTANTS

ARCHITECT
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RALEIGH, NC 27604
WWW.INSITUSTUDIO.US

CIVIL ENGINEER
THE WOOTEN COMPANY
120 N. BOYLAN AVENUE
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WWW.THEWOOTENCOMPANY.COM

MECHANICAL, PLUMBING, ELECTRICAL, & FIRE PROTECTION DESIGN:
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RALEIGH, NC 27609
WWW.SIGMAES.COM

STRUCTURAL ENGINEER:
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120 SAINT MARYS STREET
RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
PALACIO
400 GALLERIA PKWY SE, SUITE 1500
ATLANTA, GA 30339
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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

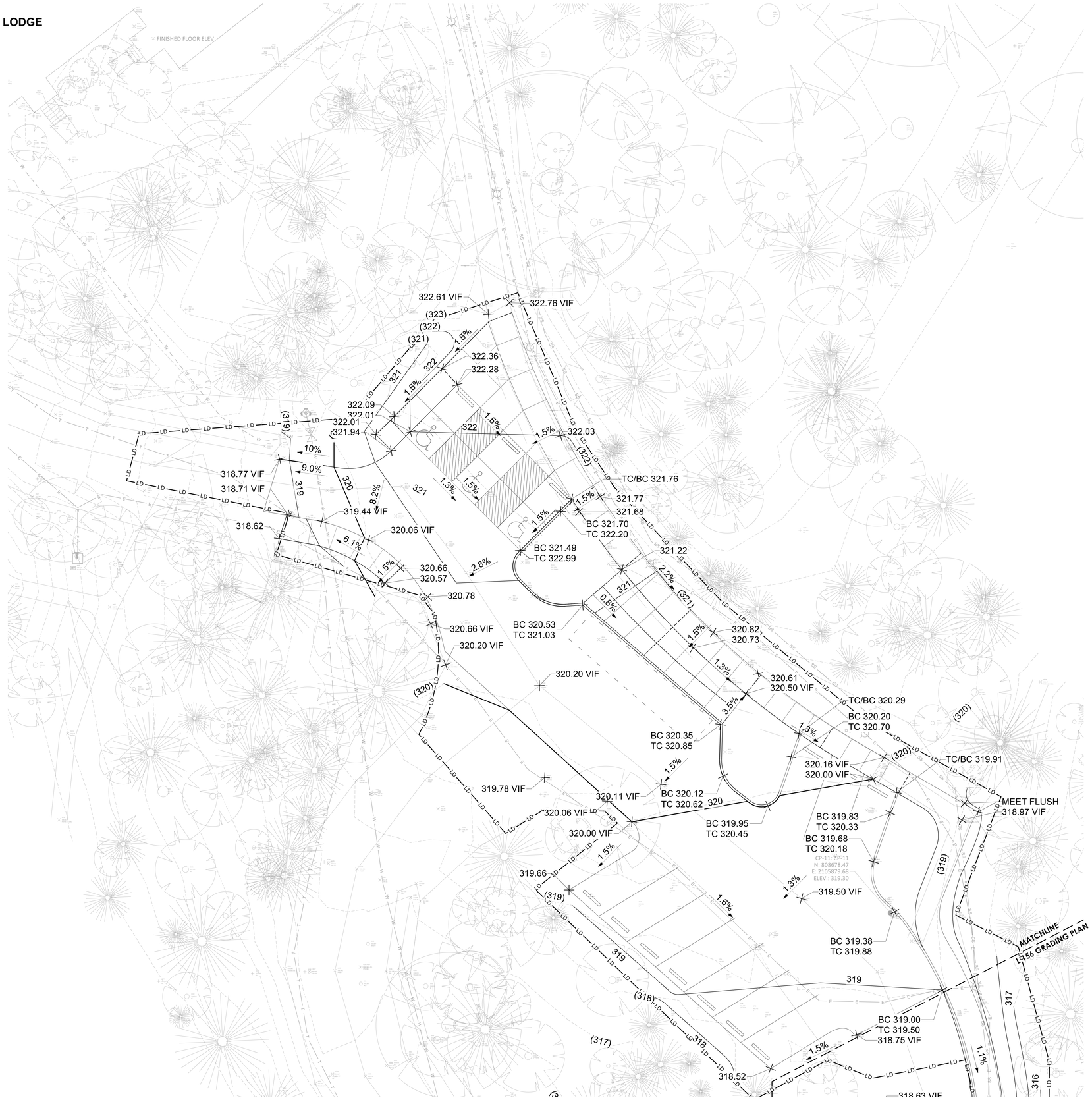
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
PLAYGROUND PAVILION
GRADING PLAN

L153



A1 LODGE PARKING GRADING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

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215 Morris Street, Suite 150
Durham, NC 27701

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CONSULTANTS

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STRUCTURAL ENGINEER:
LYSAGHT & ASSOCIATES
120 SAINT MARYS STREET
RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
PALACIO
400 GALLERIA PKWY SE, SUITE 1500
ATLANTA, GA 30339
WWW.PALACIOCOLLABORATIVE.COM

REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 JAMES W. SIMMONS

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

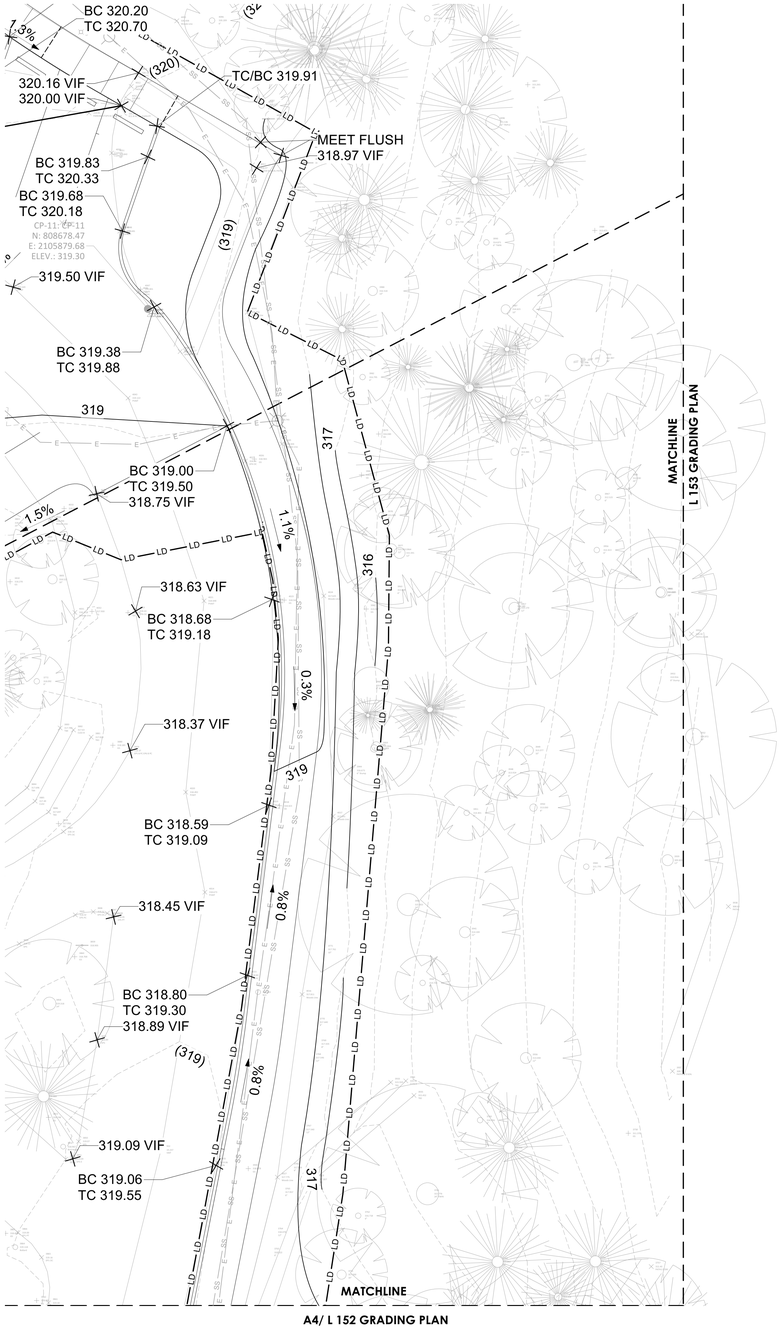
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

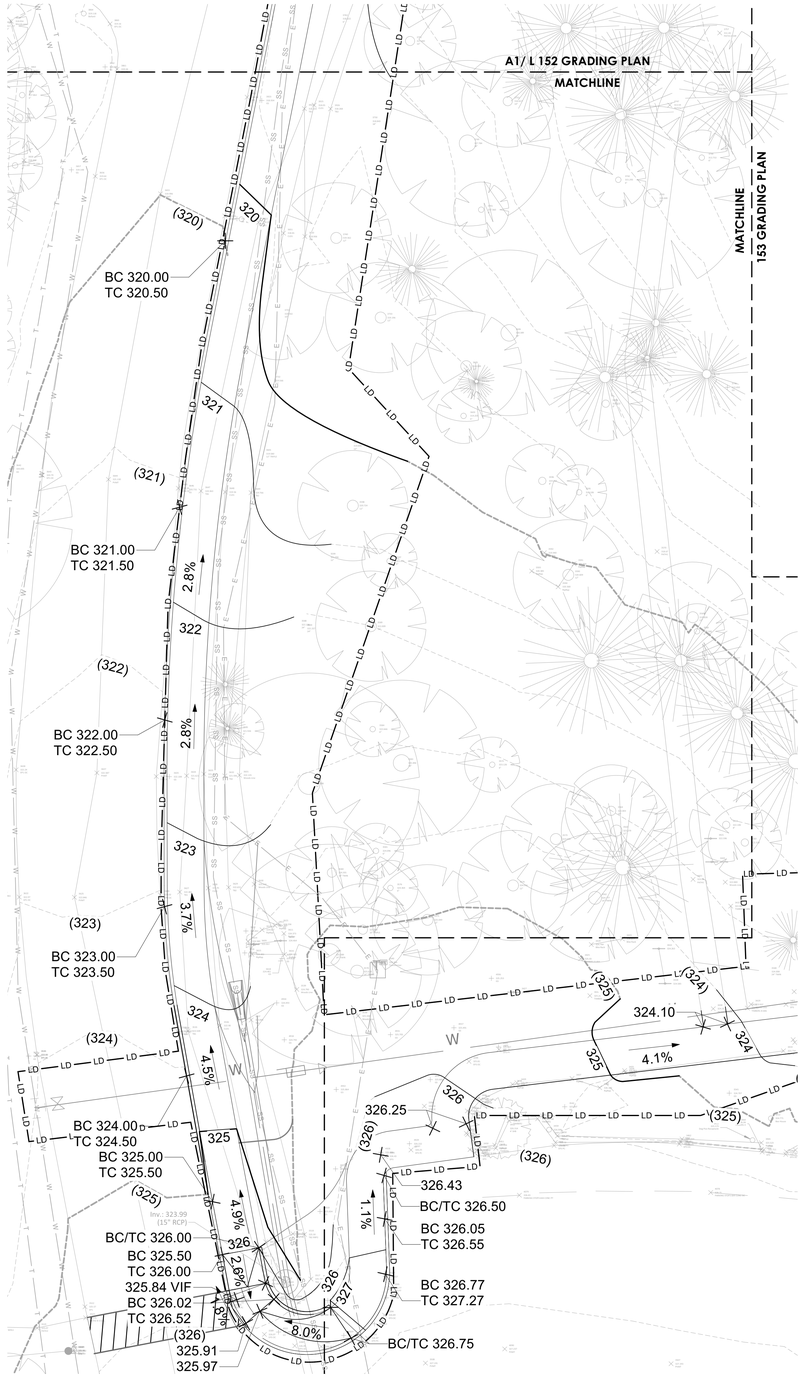
SHEET TITLE:

LANDSCAPE
LODGE PARKING
GRADING PLAN

L154



A1 LODGE DRIVE GRADING PLAN- N
Scale: 1" = 10'-0"



A2 LODGE DRIVE GRADING PLAN- S
Scale: 1" = 10'-0"

Surface

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CONSULTANTS

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STRUCTURAL ENGINEER:
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RALEIGH, NC 27605
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COST ESTIMATING:
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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

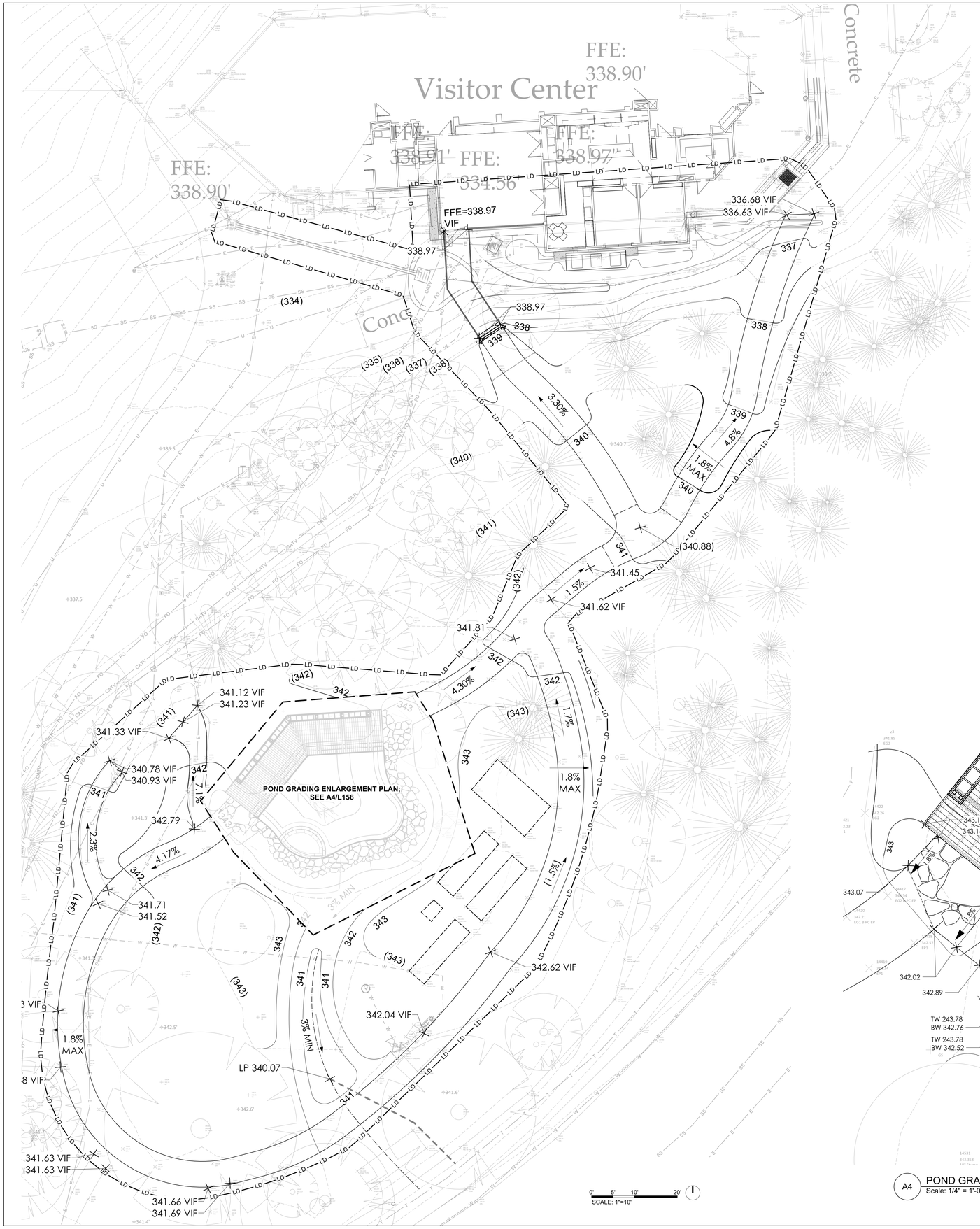
100% CONSTRUCTION DOCUMENTS

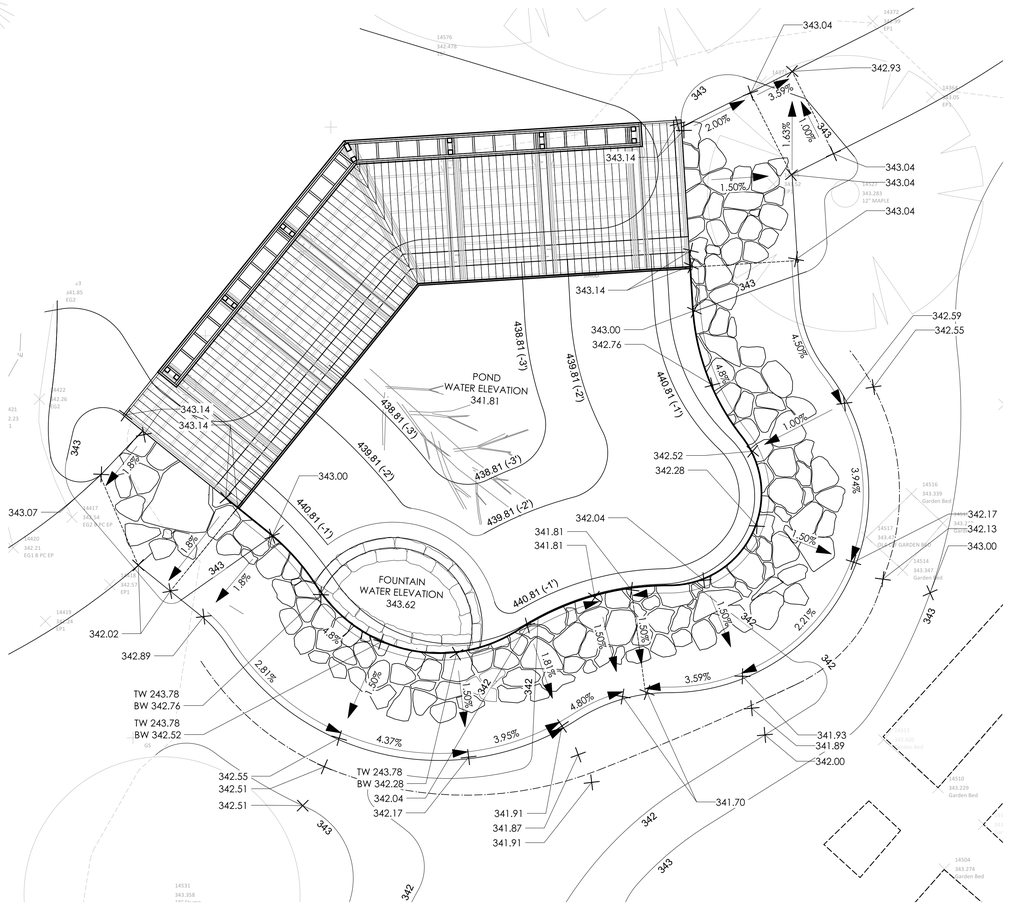
PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
LODGE DRIVE
GRADING PLAN

L155





A4 POND GRADING ENLARGEMENT PLAN
Scale: 1/4" = 1'-0"

Surface

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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 MICHAEL HOLLAND

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
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RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

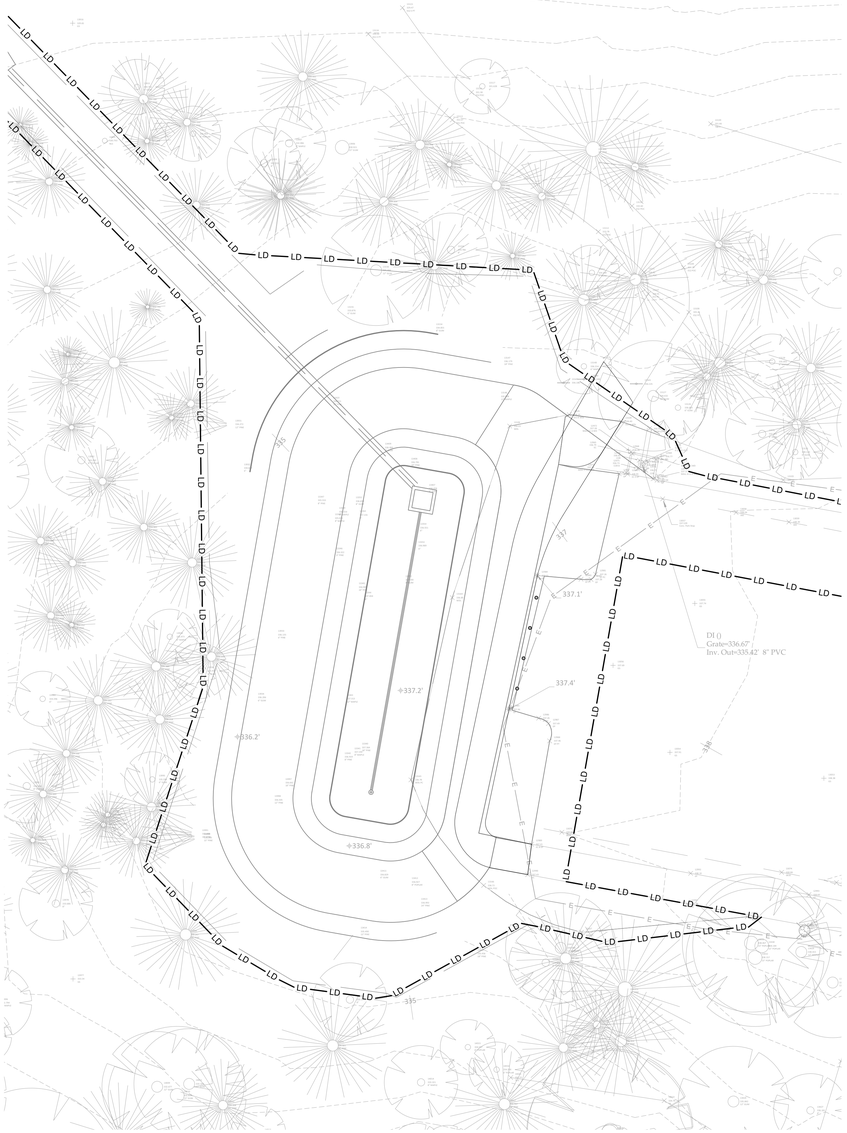
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

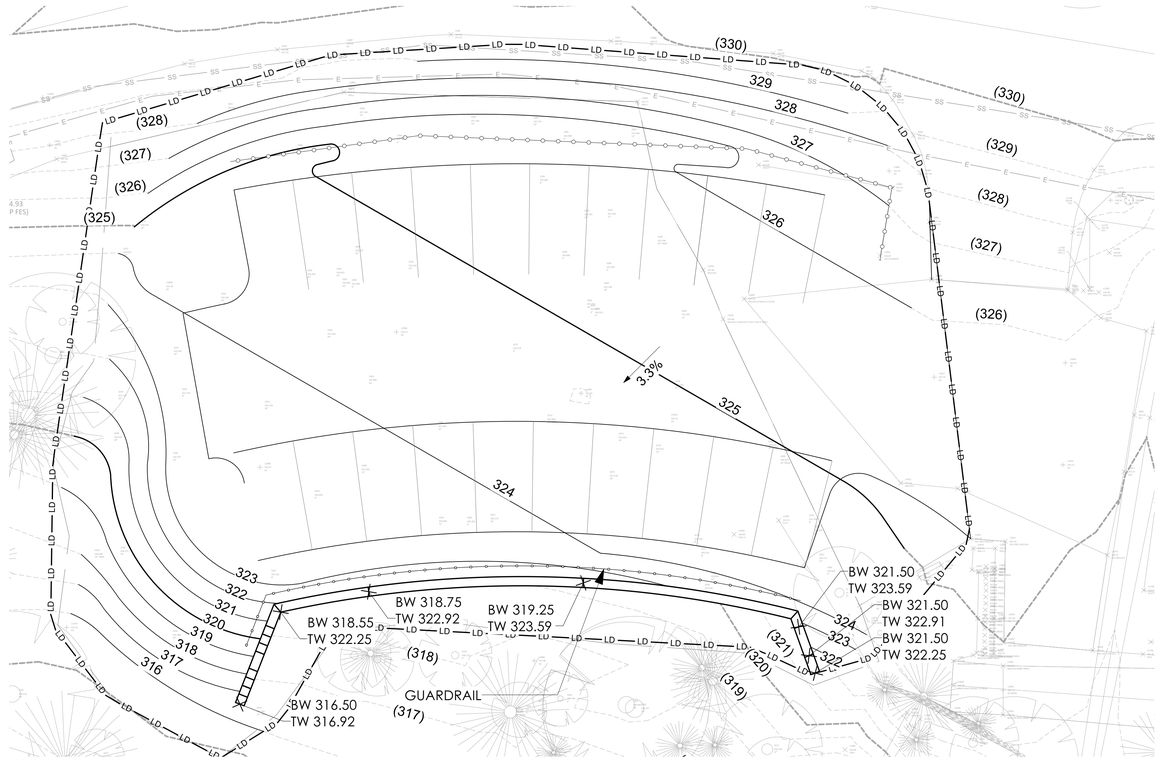
LANDSCAPE
VISITOR CENTER POND GRADING PLAN

L156



A1 VISITOR CENTER PARKING AREA GRADING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'



A2 GO APE PARKING AREA GRADING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

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WWW.LYSAGHTASSOCIATES.COM

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ATLANTA, GA 30339
WWW.PALACIOCOLLABORATIVE.COM

REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
VISITOR CENTER & GO APE
GRADING PLAN

L157

A1 KAYAK LAUNCH GRADING PLAN- N

Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

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STRUCTURAL ENGINEER:
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COST ESTIMATING:
PALACIO
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ATLANTA, GA 30339
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REGISTRATION

NORTH CAROLINA LANDSCAPE ARCHITECTURAL CORP. C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 MATTHEW ERIC DAVIS

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:

DATE: MARCH 21, 2025

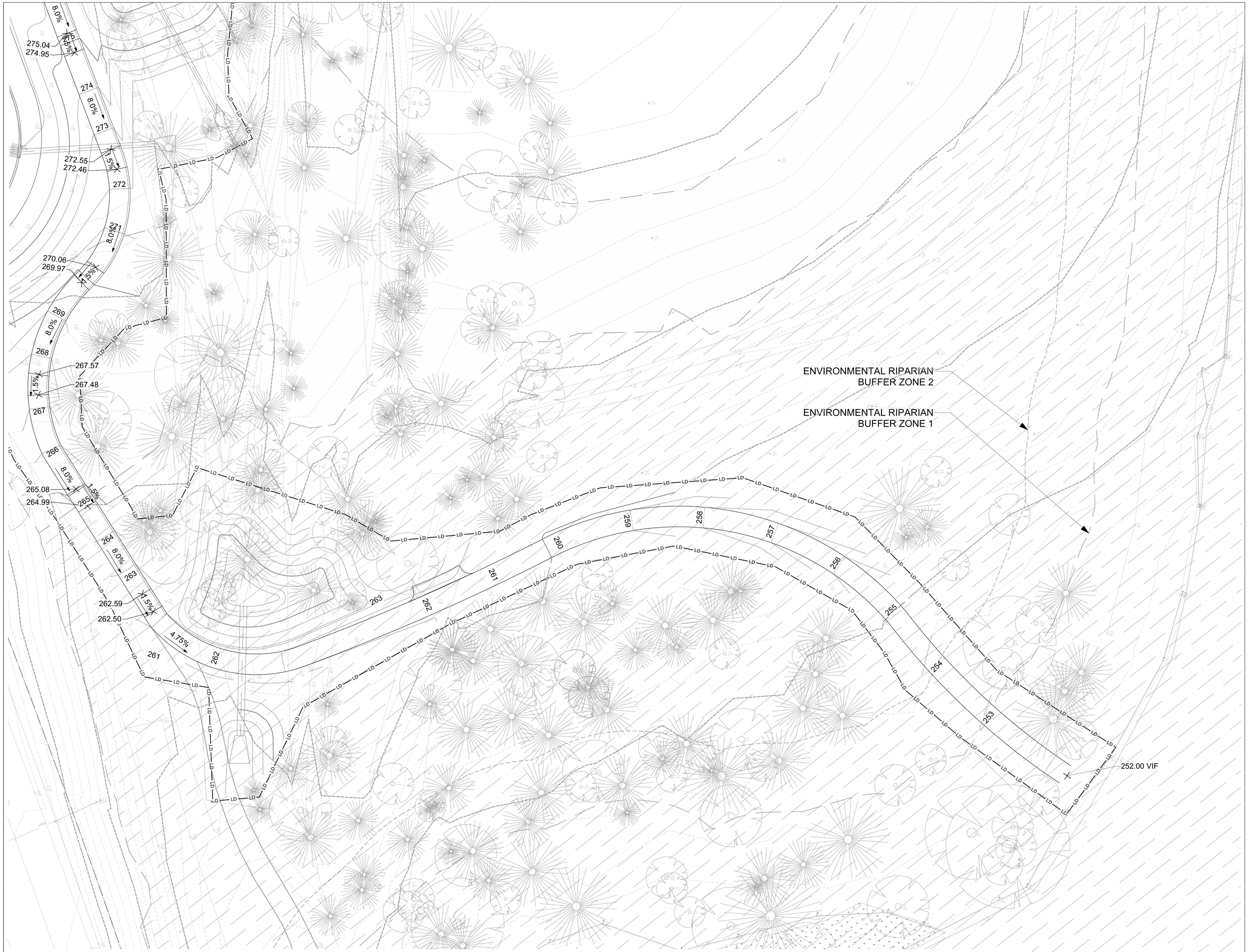
DRAWN: MH,YL,SZ

CHECKED: TW

SHEET TITLE:

LANDSCAPE
KAYAK LAUNCH
GRADING PLAN

L158



A1 KAYAK LAUNCH GRADING PLAN - S
Scale: 1" = 10'-0"

Surface

Surface 678, P.A.
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Durham, NC 27701

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WWW.SIGMAES.COM

STRUCTURAL ENGINEER:
LYSAGHT & ASSOCIATES
120 SAINT MARYS STREET
RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
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ATLANTA, GA 30339
WWW.PALACIOCOLLABORATIVE.COM

REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 TIMOTHY WOOTEN

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
KAYAK LAUNCH
GRADING PLAN

L159

PLANTING LEGEND	
	SOD -FESCUE
	MULCH

VEGETATIVE SCREENING

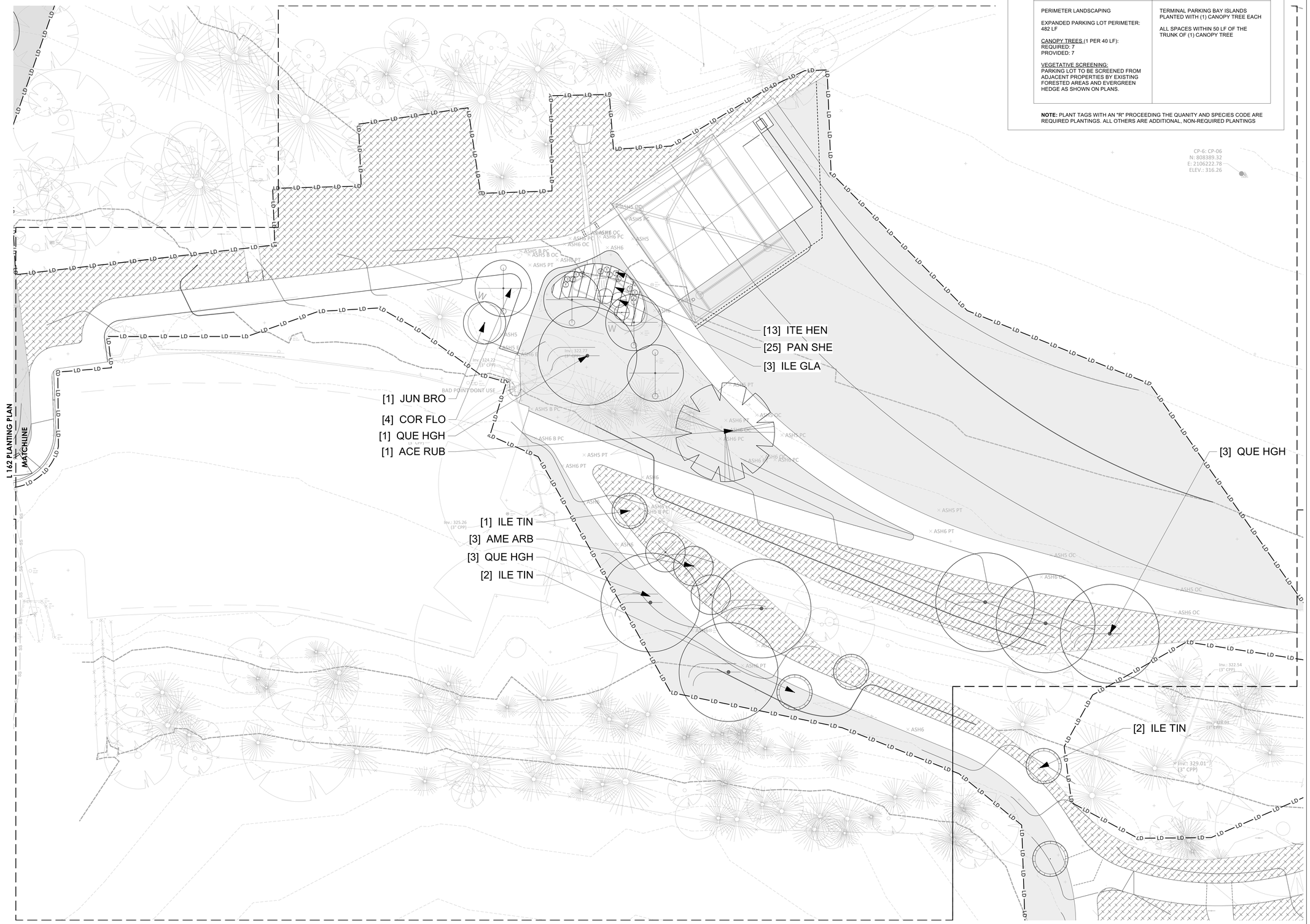
AS NOTED IN SECTION 16-10-1 OF THE WAKE COUNTY UDO

"PARKING AND VEHICULAR USE AREAS MUST BE SCREENED FROM VIEW OF ADJACENT PROPERTIES AND PUBLIC RIGHTS-OF-WAY BY A SOLID EVERGREEN HEDGE A MINIMUM OF THREE FEET IN HEIGHT. AT LEAST ONE CANOPY TREE MUST BE PLANTED FOR EACH 40 LINEAR FEET OF PARKING LOT PERIMETER.

PARKING LOT

PERIMETER LANDSCAPING	INTERIOR LANDSCAPING
PERIMETER LANDSCAPING EXPANDED PARKING LOT PERIMETER: 482 LF CANOPY TREES (1 PER 40 LF): REQUIRED: 7 PROVIDED: 7 VEGETATIVE SCREENING: PARKING LOT TO BE SCREENED FROM ADJACENT PROPERTIES BY EXISTING FORESTED AREAS AND EVERGREEN HEDGE AS SHOWN ON PLANS.	TERMINAL PARKING BAY ISLANDS PLANTED WITH (1) CANOPY TREE EACH ALL SPACES WITHIN 50 LF OF THE TRUNK OF (1) CANOPY TREE

NOTE: PLANT TAGS WITH AN "R" PROCEEDING THE QUANITY AND SPECIES CODE ARE REQUIRED PLANTINGS. ALL OTHERS ARE ADDITIONAL, NON-REQUIRED PLANTINGS



A1 T-BALL FIELD PLANTING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

Surface

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STRUCTURAL ENGINEER:
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RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
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REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1390 TIMOTHY WOOTEN

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
T-BALL FIELD
PLANTING PLAN

L160

A1 NATURE PLAY PLANTING PLAN
Scale: 1" = 10'-0"

Surface

Surface 678, P.A.
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STRUCTURAL ENGINEER:
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120 SAINT MARYS STREET
RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
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ATLANTA, GA 30339
WWW.PALACIOCOLLABORATIVE.COM

REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

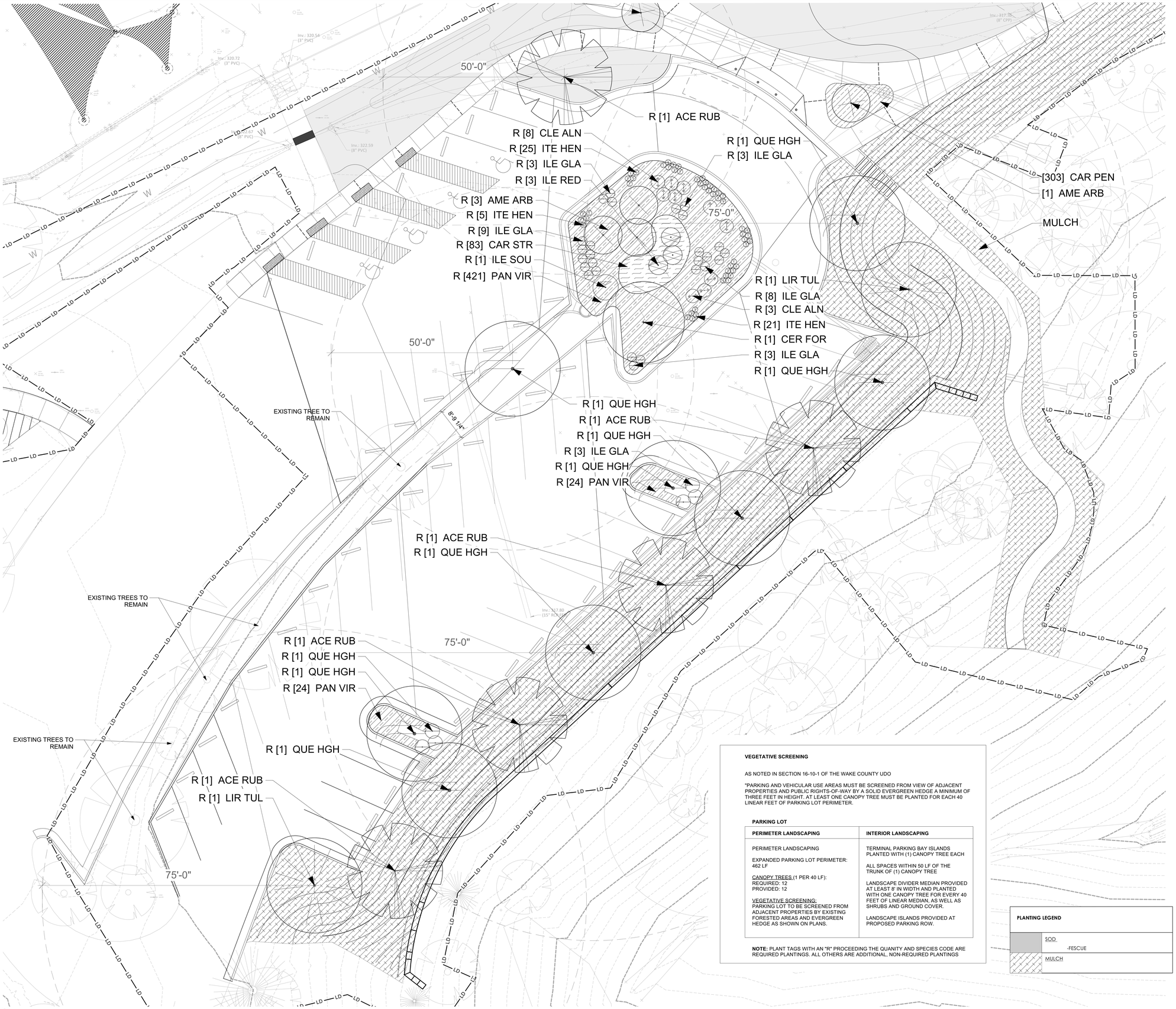
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
NATURE PLAY
PLANTING PLAN

L161



A1 MAIN PARKING PLANTING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

VEGETATIVE SCREENING

AS NOTED IN SECTION 16-10-1 OF THE WAKE COUNTY UDO

"PARKING AND VEHICULAR USE AREAS MUST BE SCREENED FROM VIEW OF ADJACENT PROPERTIES AND PUBLIC RIGHTS-OF-WAY BY A SOLID EVERGREEN HEDGE A MINIMUM OF THREE FEET IN HEIGHT. AT LEAST ONE CANOPY TREE MUST BE PLANTED FOR EACH 40 LINEAR FEET OF PARKING LOT PERIMETER.

PARKING LOT

PERIMETER LANDSCAPING	INTERIOR LANDSCAPING
PERIMETER LANDSCAPING EXPANDED PARKING LOT PERIMETER: 462 LF CANOPY TREES (1 PER 40 LF): REQUIRED: 12 PROVIDED: 12 VEGETATIVE SCREENING: PARKING LOT TO BE SCREENED FROM ADJACENT PROPERTIES BY EXISTING FORESTED AREAS AND EVERGREEN HEDGE AS SHOWN ON PLANS.	TERMINAL PARKING BAY ISLANDS PLANTED WITH (1) CANOPY TREE EACH ALL SPACES WITHIN 50 LF OF THE TRUNK OF (1) CANOPY TREE LANDSCAPE DIVIDER MEDIAN PROVIDED AT LEAST 8' IN WIDTH AND PLANTED WITH ONE CANOPY TREE FOR EVERY 40 FEET OF LINEAR MEDIAN, AS WELL AS SHRUBS AND GROUND COVER. LANDSCAPE ISLANDS PROVIDED AT PROPOSED PARKING ROW.

NOTE: PLANT TAGS WITH AN "R" PROCEEDING THE QUANITY AND SPECIES CODE ARE REQUIRED PLANTINGS. ALL OTHERS ARE ADDITIONAL, NON-REQUIRED PLANTINGS

PLANTING LEGEND

	SOD -FESCUE
	MULCH

Surface

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215 Morris Street, Suite 150
Durham, NC 27701

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COST ESTIMATING:
PALACIO
400 GALLERIA PKWY SE, SUITE 1500
ATLANTA, GA 30339
WWW.PALACIOCOLLABORATIVE.COM

REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

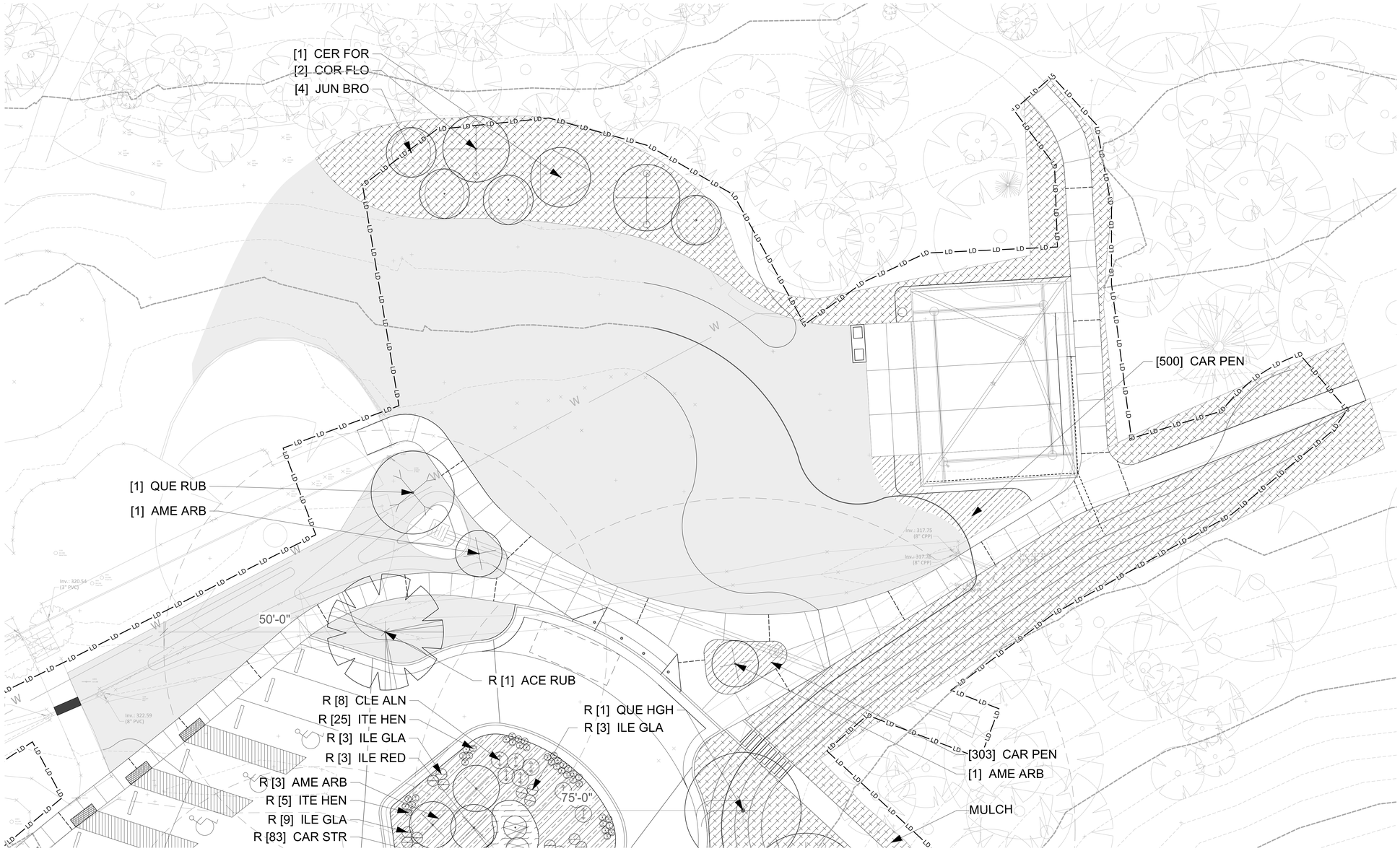
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
MAIN PARKING
PLANTING PLAN

L162



A1 PLAYGROUND PAVILION PLANTING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

PLANTING LEGEND

	SOD. -FESCUE
	MULCH

Surface

Surface 678, P.A.
215 Morris Street, Suite 150
Durham, NC 27701

www.surface678.com

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11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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PROJECT NO:
DATE: MARCH 21, 2025
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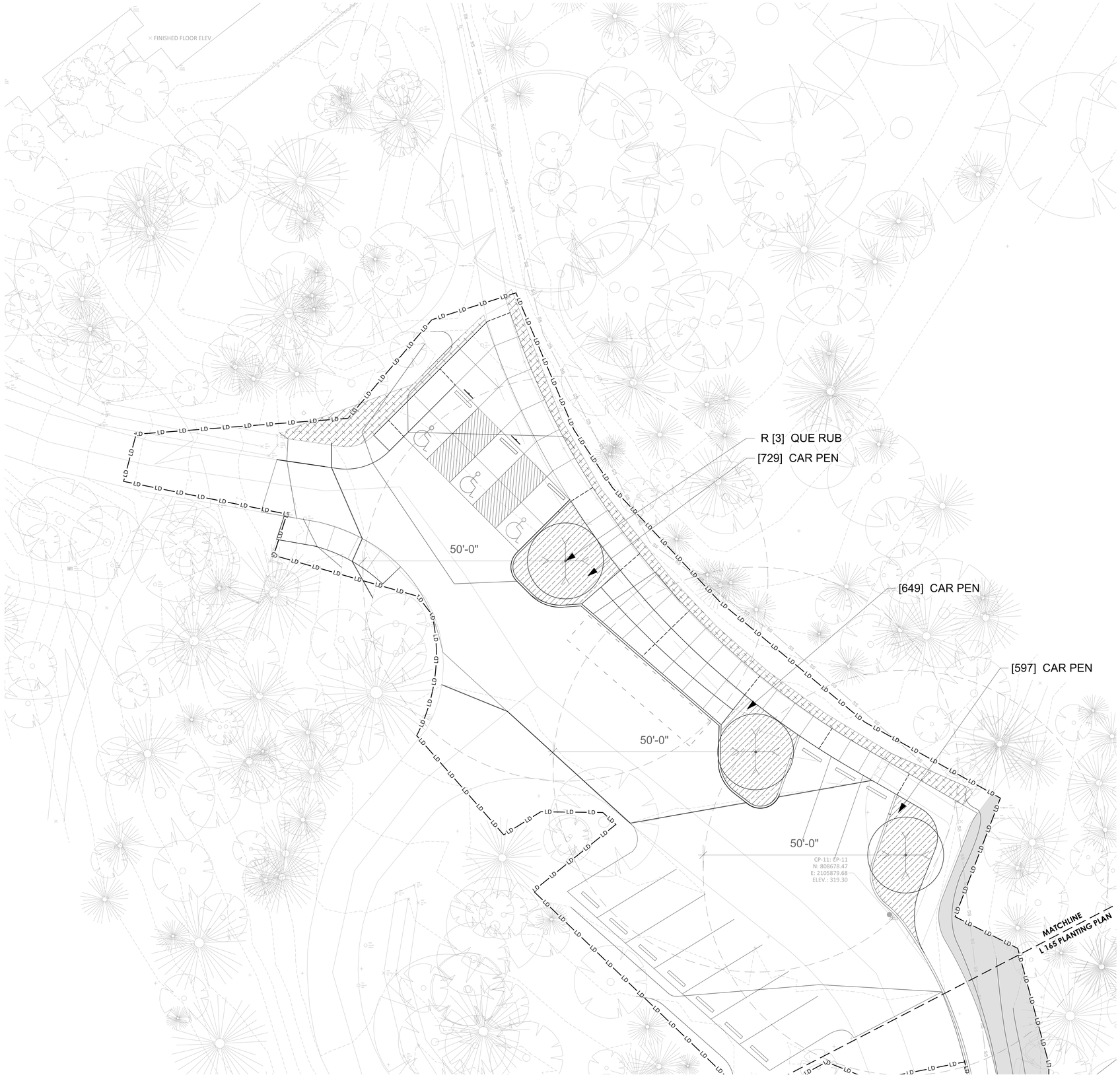
CHECKED: TW

SHEET TITLE:

LANDSCAPE PLAYGROUND PAVILION PLANTING PLAN

L163



PLANTING LEGEND	
	SOD -FESCUE
	MULCH

A1 LODGE PARKING PLANTING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

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REGISTRATION

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

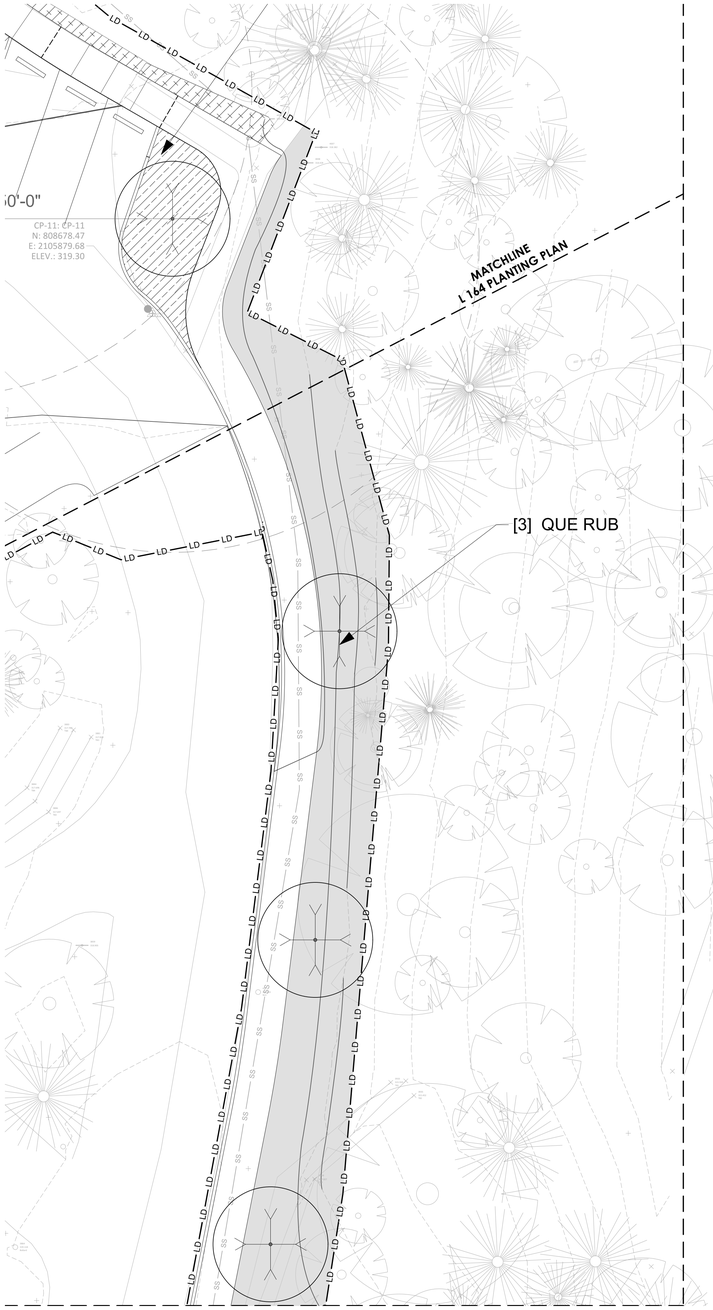
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

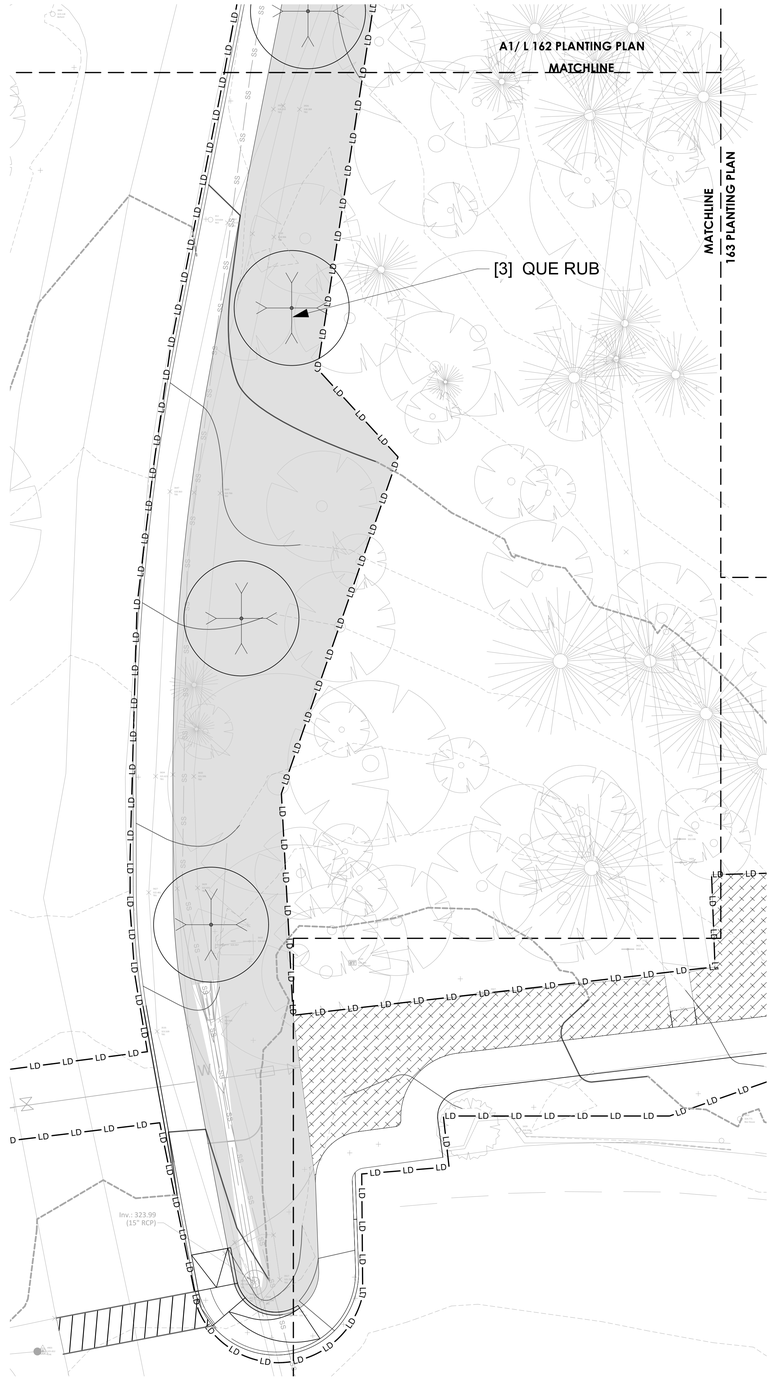
SHEET TITLE:

LANDSCAPE
LODGE PARKING
PLANTING PLAN

L164



PLANTING LEGEND	
	SOD -FESCUE
	MULCH



A1 LODGE DRIVE PLANTING PLAN- N
Scale: 1" = 10'-0"

A2 LODGE DRIVE PLANTING PLAN- S
Scale: 1" = 10'-0"

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COST ESTIMATING:
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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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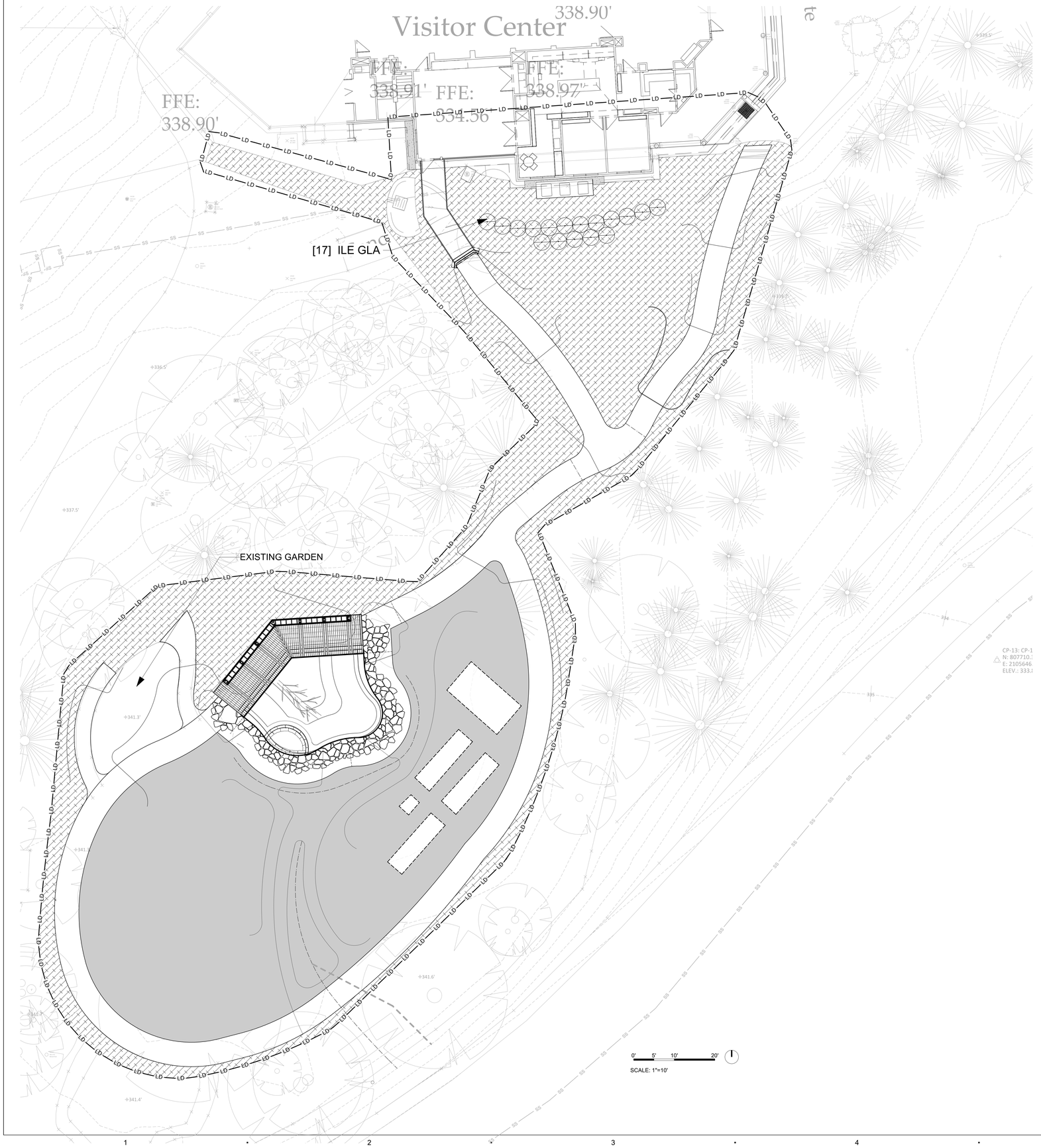
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
LODGE DRIVE
PLANTING PLAN

L165



PLANTING LEGEND

	SOD -FESCUE
	MULCH

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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1390 TIMOTHY WOOTEN

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
VISITOR CENTER POND
PLANTING PLAN

L166

PLANTING LEGEND	
	SOD -FESCUE
	MULCH

VEGETATIVE SCREENING

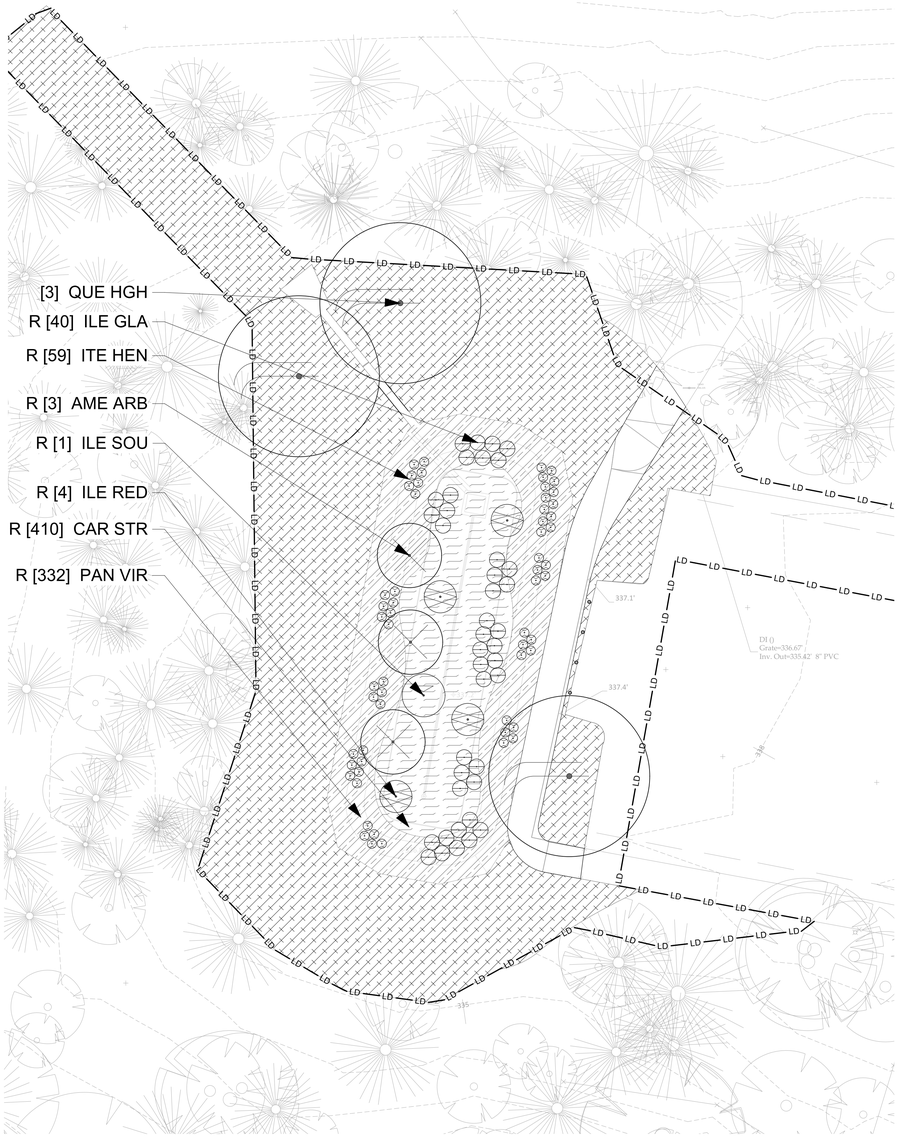
AS NOTED IN SECTION 16-10-1 OF THE WAKE COUNTY UDO

"PARKING AND VEHICULAR USE AREAS MUST BE SCREENED FROM VIEW OF ADJACENT PROPERTIES AND PUBLIC RIGHTS-OF-WAY BY A SOLID EVERGREEN HEDGE A MINIMUM OF THREE FEET IN HEIGHT. AT LEAST ONE CANOPY TREE MUST BE PLANTED FOR EACH 40 LINEAR FEET OF PARKING LOT PERIMETER.

PARKING LOT

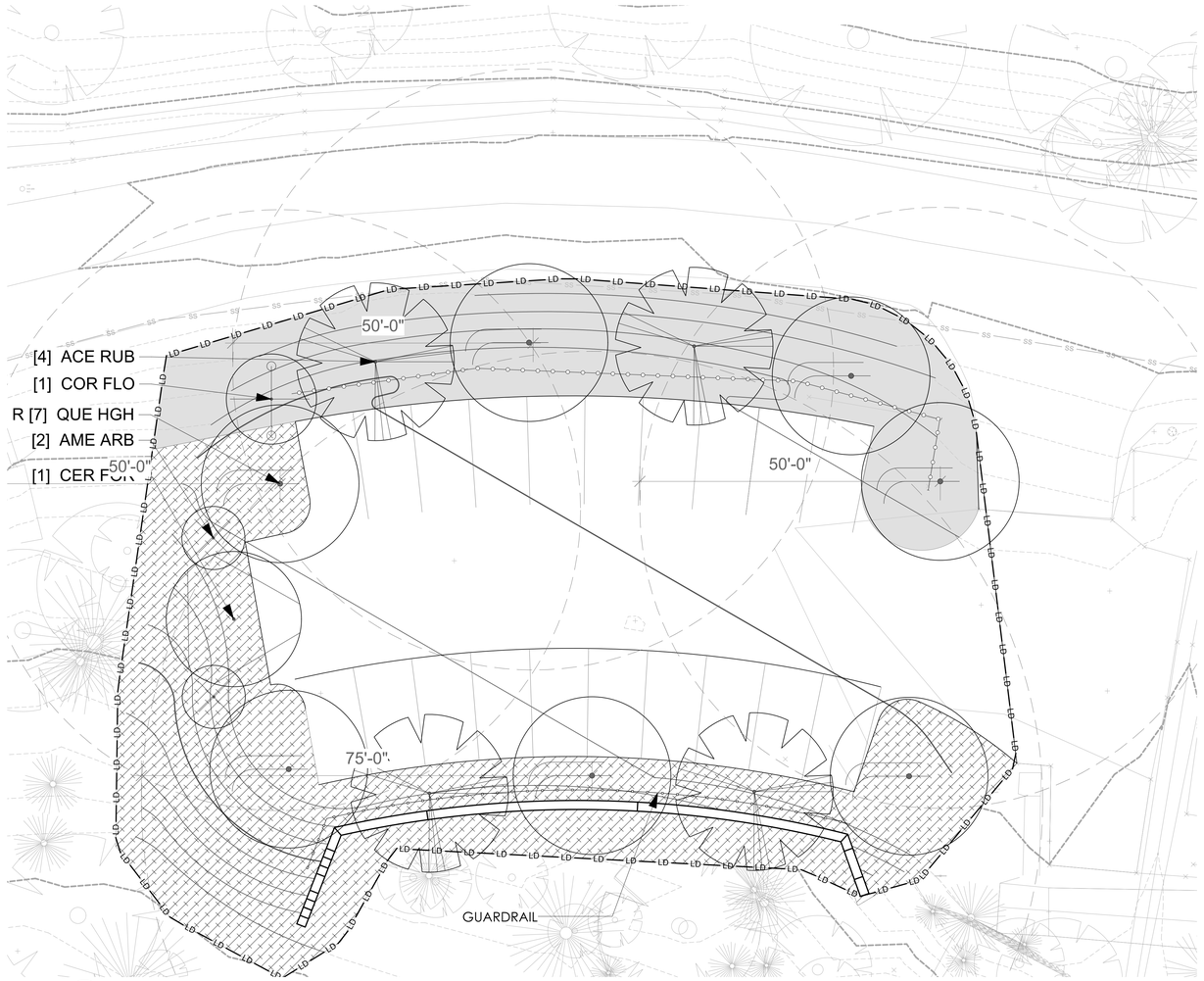
PERIMETER LANDSCAPING	INTERIOR LANDSCAPING
PERIMETER LANDSCAPING EXPANDED PARKING LOT PERIMETER: 462 LF CANOPY TREES (1 PER 40 LF): REQUIRED: 7 PROVIDED: 7 VEGETATIVE SCREENING: PARKING LOT TO BE SCREENED FROM ADJACENT PROPERTIES BY EXISTING FORESTED AREAS AND EVERGREEN HEDGE AS SHOWN ON PLANS.	TERMINAL PARKING BAY ISLANDS PLANTED WITH (1) CANOPY TREE EACH ALL SPACES WITHIN 50 LF OF THE TRUNK OF (1) CANOPY TREE

NOTE: PLANT TAGS WITH AN "R" PROCEEDING THE QUANITY AND SPECIES CODE ARE REQUIRED PLANTINGS. ALL OTHERS ARE ADDITIONAL, NON-REQUIRED PLANTINGS



A1 VISITOR CENTER PARKING AREA PLANTING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'



A2 GO APE PARKING AREA PLANTING PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

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COST ESTIMATING:
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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
VISITOR CENTER & GO APE
PLANTING PLAN

L167

PLANTING LEGEND

	SOD -FESCUE
	MULCH

VEGETATIVE SCREENING

AS NOTED IN SECTION 16-10-1 OF THE WAKE COUNTY UDO

"PARKING AND VEHICULAR USE AREAS MUST BE SCREENED FROM VIEW OF ADJACENT PROPERTIES AND PUBLIC RIGHTS-OF-WAY BY A SOLID EVERGREEN HEDGE A MINIMUM OF THREE FEET IN HEIGHT. AT LEAST ONE CANOPY TREE MUST BE PLANTED FOR EACH 40 LINEAR FEET OF PARKING LOT PERIMETER.

PARKING LOT

PERIMETER LANDSCAPING	INTERIOR LANDSCAPING
PERIMETER LANDSCAPING PARKING LOT PERIMETER: 430 LF CANOPY TREES (1 PER 40 LF): REQUIRED: 5 PROVIDED: 5 (NOTE: CANOPY TREES IN THE REQUIRED BUFFER YARD ARE COUNTING TOWARDS THIS REQUIREMENT) VEGETATIVE SCREENING: PARKING LOT TO BE SCREENED FROM ADJACENT PROPERTIES BY EXISTING FORESTED AREAS AND EVERGREEN HEDGE AS SHOWN ON PLANS.	INTERIOR LANDSCAPE ISLAND: 1 TOTAL SPACES: 14 TERMINAL PARKING BAY ISLANDS PLANTED WITH (1) CANOPY TREE EACH LANDSCAPE ISLAND PROVIDED AT PROPOSED ROW OF PARKING ALL SPACES WITHIN 50 LF OF THE TRUNK OF (1) CANOPY TREE

BUFFER PLANTINGS

AS NOTED IN SECTION 16-10-2 OF THE WAKE COUNTY UDO

WHENEVER A NONRESIDENTIAL USE IS PROPOSED ALONG A THOROUGHFARE, A 10-FOOT DEEP BUFFERYARD AND TYPE F SCREENING MUST BE PROVIDED ADJACENT TO THE THOROUGHFARE RIGHT-OF-WAY.

STREETFRONT BUFFER: 10' TYPE F DECIDUOUS SCREEN

267' LF OF LOT PERIMETER

	REQ.	PROVIDED
DECIDUOUS CANOPY TREES (2 PER 100 LF):	6	6
EVERGREEN TREES (0 PER 100 LF):	0	0
DECIDUOUS UNDERSTORY TREES (2 PER 100 LF):	6	6
EVERGREEN UNDERSTORY TREES (0 PER 100 LF):	0	0
SHRUBS (14 PER 100 LF):	38	38

NOTE: PLANT TAGS WITH AN "R" PROCEEDING THE QUANITY AND SPECIES CODE ARE REQUIRED PLANTINGS. ALL OTHERS ARE ADDITIONAL, NON-REQUIRED PLANTINGS

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REGISTRATION

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1300 TIMOTHY W. WOOTEN

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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PROJECT NO:
DATE: MARCH 21, 2025
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CHECKED: TW

SHEET TITLE:

LANDSCAPE
KAYAK LAUNCH
PLANTING PLAN

L168

CODE REQUIRED PLANT SCHEDULE - CONTRACTOR SHALL SATISFY ALL MEASUREMENTS NOTED - EXCEED SIZES UPON APPROVAL

KEY	QTY	LATIN NAME	COMMON NAME	CONTAINER | SIZE | HT | W | SPACING	COMMENTS
DECIDUOUS TREES					
ACE RUB	14	ACER RUBRUM	RED MAPLE	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
LIR TUL	2	LIRIODENDRON TULIPIFERA	TULIP POPLAR	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
QUE HGH	22	QUERCUS PHELLOS 'HIGHTOWER'	HIGHTOWER WILLOW OAK	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
QUE RUB	3	QUERCUS RUBRA	RED OAK	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
UNDERSTORY DECIDUOUS TREES					
AME ARB	12	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B | 2" CAL. | 8' HT. | 5' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
CER FOR	3	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	B&B | 2" CAL. | 8' HT. | 5' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
EVERGREEN TREES					
DECIDUOUS SHRUBS					
ARO ARB	16	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	BRILLIANTISSIMA RED CHOKEBERRY	CONT. | 3 CAL | 24" HT. | 24" W. | AS SHOWN	FULL; DENSE; MATCHING
CAL AME	14	CALLICARPA AMERICANA	AMERICAN BEAUTYBERRY	CONTAINER | 15" | -- | 5' O.C.	FULL, DENSE, MATCHING
CLE ALN	11	CLETHRA ALNIFOLIA	SUMMERSWEET	CONT. | 3 GAL | 12" HT. | 12" W. | 3' O.C.	FULL; DENSE; MATCHING
ILE SOU	2	ILEX VERTICILLATA 'SOUTHERN GENTLEMAN'	SOUTHERN GENTLEMAN WINTERBER	CONT. | 3 GAL | 24" HT. | 18" W. | AS SHOWN	FULL; DENSE; MATCHING
ILE RED	8	ILEX VERTICILLATA 'WINTER RED'	WINTER RED WINTERBERRY HOLLY	CONT. | 3 GAL | 24" HT. | 18" W. | AS SHOWN	FULL; DENSE; MATCHING
ITE HEN	144	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY VIRGINIA SWEETSPIRE	CONT. | 3 GAL | 16" HT. | 12" W. | AS SHOWN	FULL; DENSE; MATCHING
VIB DEN	10	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	CONTAINER / 24" / 18" / AS SHOWN	FULL; DENSE; MATCHING
EVERGREEN SHRUBS					
ILE GLA	129	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	CONT. | 5 GAL. | 24" HT. | 18" W. | AS SHOWN	FULL; DENSE; MATCHING
ORNAMENTAL GRASSES					
CAR STR	680	CAREX STRICTA	TUSSOCK SEDGE	CONT. | 1 GAL. | -- | -- | 18" O.C.	
PAN VIR	1,007	PANICUM VIRGATUM	SWITCHGRASS	CONT. | 1 GAL. | 12" HT | 6" W | 24" O.C.	

NOTE: PLANT TAGS WITH AN "R" PROCEEDING THE QUANITY AND SPECIES CODE ARE REQUIRED PLANTINGS. ALL OTHERS ARE ADDITIONAL, NON-REQUIRED PLANTINGS

ADDITIONAL FULL SITE PLANT SCHEDULE - CONTRACTOR SHALL SATISFY ALL MEASUREMENTS NOTED - EXCEED SIZES UPON APPROVAL

KEY	QTY	LATIN NAME	COMMON NAME	CONTAINER | SIZE | HT | W | SPACING	COMMENTS
DECIDUOUS TREES					
ACE RUB	8	ACER RUBRUM	RED MAPLE	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
LIR TUL	1	LIRIODENDRON TULIPIFERA	TULIP POPLAR	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
QUE LYR	1	QUERCUS LYRATA	OVERCUP OAK	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
QUE HGH	15	QUERCUS PHELLOS 'HIGHTOWER'	HIGHTOWER WILLOW OAK	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
QUE RUB	8	QUERCUS RUBRA	RED OAK	B&B | 3" CAL. | 16' HT. | 8' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
UNDERSTORY DECIDUOUS TREES					
AME ARB	10	AMELANCHIER ARBOREA	DOWNY SERVICEBERRY	B&B | 2" CAL. | 8' HT. | 5' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
CER FOR	6	CERCIS CANADENSIS 'FOREST PANSY'	FOREST PANSY EASTERN REDBUD	B&B | 2" CAL. | 8' HT. | 5' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
COR FLO	20	CORNUS FLORIDA	FLOWERING DOGWOOD	B&B | 2" CAL. | 8' HT. | 5' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL
EVERGREEN TREES					
ILE TIN	10	ILEX OPACA 'TINGA'	TINGA AMERICAN HOLLY	B&B | -- | 8' HT. | 4' W. | AS SHOWN	STRONG CENTRAL LEADER; EVENLY BRANCHED; FULL. FULL T
JUN BRO	7	JUNIPERUS VIRGINIANA 'BRODIE'	BRODIE RED CEDAR	B&B | -- | 10' HT. | 4' W. | AS SHOWN	STRONG CENTRAL LEADER; DENSE; EVENLY BRANCHED; FULL
DECIDUOUS SHRUBS					
ILE SOU	1	ILEX VERTICILLATA 'SOUTHERN GENTLEMAN'	SOUTHERN GENTLEMAN WINTERBER	CONT. | 3 GAL | 24" HT. | 18" W. | AS SHOWN	FULL; DENSE; MATCHING
ITE HEN	51	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY VIRGINIA SWEETSPIRE	CONT. | 3 GAL | 16" HT. | 12" W. | AS SHOWN	FULL; DENSE; MATCHING
NIN BAR	24	PHYSOCARPUS OPULIFOLIUS	NINE BARK	CONT. | 3 GAL | 24" HT. | 18" W. | AS SHOWN	FULL; DENSE; MATCHING
EVERGREEN SHRUBS					
ILE GLA	44	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	CONT. | 5 GAL. | 24" HT. | 18" W. | AS SHOWN	FULL; DENSE; MATCHING
ORNAMENTAL GRASSES					
CAR PEN	2,778	CAREX PENSYLVANICA	PENNSYLVANIA SEDGE	CONT. | 1 GAL. | -- | -- | 12" O.C.	
PAN SHE	622	PANICUM SHENADOAH	SWITCHGRASS	CONT. | 1 GAL. | 12" HT | 12" W | AS SHOWN	

General Standards. All required landscape plant materials, inclusive of trees, shrubs and groundcovers, must comply with the American Nurseryman's Standards. Neither nonnative nor invasive plant species may be used for planting in landscaping and bufferyards. The designer is responsible for researching proposed species utilized in the plantings and indicate on the plans that the material being used is native to our geographical area.

(4)

Trees.

(a) Deciduous canopy trees must have a minimum size of two-inch caliper and a minimum height of ten feet at the time of planting and be planted at least 18 feet apart.

(b) Deciduous understory trees must have a minimum height of eight feet at the time of planting and be planted at least 12 feet apart.

(c) Evergreen trees must have a minimum height of eight feet at the time of planting (unless mixed with deciduous trees in which case a minimum height of four feet is required).

(d) Evergreen understory trees must have a minimum height of six feet at the time of planting.

(5) Shrubs.

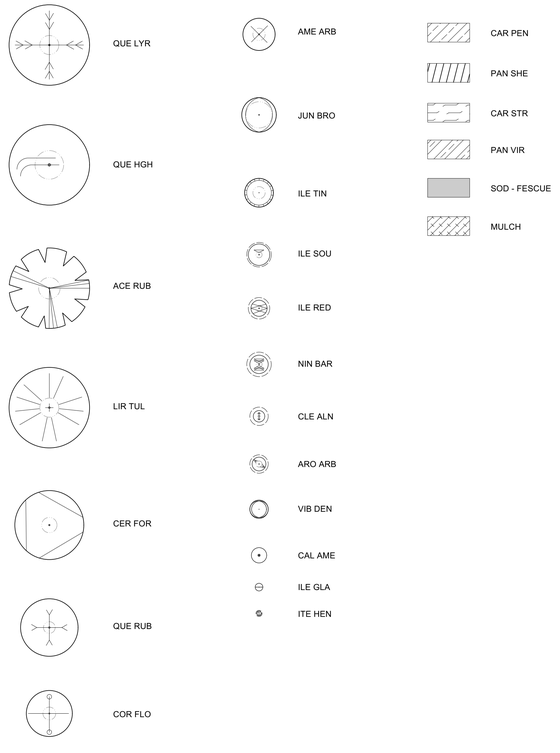
(a) All shrubs must be cold hardy and heat tolerant.

(b) Upright shrubs must have a minimum height of 15 inches at the time of planting.

(c) Shrubs may not be planted closer than three feet on-center or closer than three feet to planted trees.

(6) Minimum Height at Maturity. Trees and shrubs must be of a variety that has a minimum mature height that will meet the minimum screening requirements for which they were chosen. Deciduous canopy trees must be of a species that will reach a minimum height of 35 feet at maturity. Deciduous understory trees must be of a species that will reach a minimum height of 15 feet at maturity. Evergreen trees must be of a species that will reach a minimum height of 35 feet at maturity. Evergreen understory trees must be of a species that will reach a minimum height of 20 feet at maturity. Shrubs must be of a species that will grow to a minimum height of 36 inches at maturity.

PLANT LEGEND
NTS



PLANTING NOTES - APPLY TO ALL PLANTING PLAN SHEETS

1. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING WORK. IDENTIFY LOCATION OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING AROUND EXISTING UTILITIES TO REMAIN.

2. PLANT LIST IS PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF DISCREPANCIES BETWEEN THE PLAN AND PLANT LIST QUANTITIES, THE PLAN SHALL TAKE PRECEDENCE.

3. AFTER THE SITE IS STABILIZED AND FREE OF SEDIMENTATION, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES, SILT, RIP RAP, AND TEMPORARY STONE STAGING AREAS FOR REPLACEMENT WITH PLANTING SOIL, PROVIDE PLANTING ACCORDING TO THE LANDSCAPE PLAN.

4. TEMPORARY EROSION CONTROL SEED MUST BE FULLY REMOVED PRIOR TO PREPARATION OF PERMANENT SEED, SOD OR LANDSCAPE BEDS.

5. UNLESS OTHERWISE NOTED IN THE PLANT LIST, OWNER SHALL OBTAIN AND INSTALL ONLY PLANT MATERIAL THAT IS GROWN ON ITS OWN ROOT - GRAFTED OR BUDDED PLANT MATERIAL WILL BE REJECTED.

6. ALL TREES SHALL BE OBTAINED FROM THE NURSERY WITH EXPOSED ROOT CROWNS. B&B MATERIAL DELIVERED TO SITE WITH BURIED OR RECENTLY BURIED ROOT CROWNS WILL BE REJECTED.

7. CONTRACTOR WILL NOTIFY LANDSCAPE ARCHITECT OF PLANT SUBSTITUTIONS IN ANY MEASUREMENT OR SPECIES INDICATED AND SHALL BE APPROVED BY WAKE COUNTY PLANNING STAFF. SEE SPECIFICATIONS FOR FULL NOTIFICATION REQUIREMENTS.

8. CONTRACTOR SHALL STAKE ALL PLANT LOCATIONS IN THE FIELD. OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT PRIOR TO STARTING PLANT INSTALLATIONS

8. DO NOT PLANT IN STORM WATER CONVEYANCE SWALES OR PROVIDE FINE GRADING THAT DISRUPTS FLOW OR CHANGES LONGITUDINAL SLOPES.

9. PLANT THE OUTER EDGES OF EACH PLANTING GROUP FOLLOWING THE BED OUTLINE ACCORDING TO THE PLAN. ONCE A SATISFACTORY MATCHED OUTER SHAPE IS OBTAINED, FILL THE CENTER OF EACH AREA WITH PLANTS ACCORDING TO THE PLAN AND SPACING NOTES.

10. THE PLANTING LAYOUT WITHIN PLANTING BEDS SHOULD BE SHIFTED TO MINIMIZE CONFLICTS WITH EXISTING TREE ROOTS AND OTHER STRUCTURES.

11. DISTURBED EARTH AREAS BEYOND PROJECT LIMITS THAT ARE DIRECTLY CAUSED BY CONTRACTOR MEANS AND METHODS SHALL BE RESTORED WITH FESCUE SOD UNLESS OTHERWISE NOTED.

12. ALL PLANT MATERIAL SHALL COMPLY WITH AMERICAN NURSERY STOCK STANDARD ANSI Z-60.1.

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120 N. BOYLAN AVENUE
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STRUCTURAL ENGINEER:
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120 SAINT MARYS STREET
RALEIGH, NC 27605
WWW.LYSAGHTASSOCIATES.COM

COST ESTIMATING:
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400 GALLERIA PKWY SE, SUITE 1500
ATLANTA, GA 30339
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REGISTRATION

NORTH CAROLINA C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1301

CLIENT

WAKE COUNTY
NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH,YL,SZ
CHECKED: TW

SHEET TITLE:

LANDSCAPE
PLANT SCHEDULE

L169

SOILS NOTES

1. ALL EARTHWORK BELOW LANDSCAPE SOILS WILL BE COMPRISED OF CLEAN AND STRUCTURALLY APPROVED LOCAL RESIDUAL SOILS. SURFACE 678 WILL SPECIFY ALL TOP SOILS FOR ALL PLANTED AREAS.
2. BACKFILL ALONG STRUCTURES REQUIRE GEOTECHNICAL INSPECTION AND CONFIRMATION TO PREVENT DIFFERENTIAL SETTLEMENT.
3. BACKFILL OF DEEP TRENCHES AND UTILITIES OVER DEEP UTILITY INFRASTRUCTURE, NORMAL BACKFILL DESIGN MAY BE INADEQUATE TO PREVENT SETTLEMENT AND DAMAGE TO LANDSCAPE. THE PROJECT SHOULD INCORPORATE BACK FILL MATERIALS, GEOTECHNICAL DESIGN AND OVERSIGHT OR OTHER METHODS TO PREVENT SETTLEMENT.
4. RIP SUBSOIL OR HARDPAN TO A DEPTH OF 24" PRIOR TO THE PLACEMENT OF PLANTING SOILS.
5. ALL CONSTRUCTION DEBRIS AND TEMPORARY CONSTRUCTION BALLAST PLACED FOR VEHICULAR ACCESS TO BE REMOVED TO ITS FULL DEPTH PRIOR TO PLACEMENT OF PLANTING SOILS.
6. SEE SECTIONS 329300 PLANTS AND 329200 TURF AND GRASSES FOR PLANTING SOIL SPECIFICATIONS AND AMENDMENT REQUIREMENTS.

SOIL LEGEND	
	SOIL TYPE B

A1 LODGE SOIL PLAN
Scale: 1" = 10'-0"

0' 5' 10' 20'

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REGISTRATION

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY
NORTH CAROLINA

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WAKE COUNTY OFFICE BUILDING
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RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

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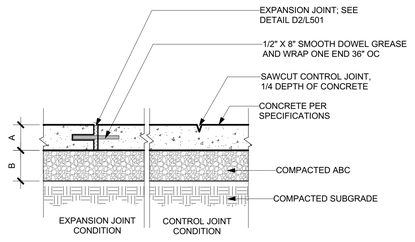
CHECKED: TW

SHEET TITLE:

LANDSCAPE
LODGE SOIL PLAN

L170



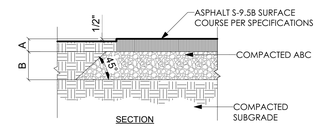
SECTION

	MATERIAL	DEPTH
A	AIR ENTRAINED CONCRETE (4000 PSI)	5"
B	ABC STONE BASE	6"

NOTES:
* MAXIMUM JOINT SPACING IS 12 FT IN ALL DIRECTION
* ABC STONE SHOULD BE COMPACTED AT LEAST 98% OF ITS MODIFIED PROCTOR MAXIMUM DRY DENSITY
* SAW JOINT IS AT LEAST 1/4 DEPTH OF CONCRETE DEPTH

E1 LIGHT DUTY CONCRETE PAVING

* PAVEMENT DEPTH SHOULD MATCH GEOTECHNICAL RECOMENDATION

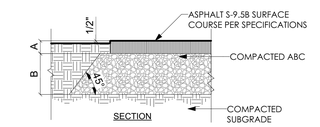


SECTION

	MATERIAL	DEPTH
A	ASPHALT SURFACE COURSE	2.5"
B	ABC STONE BASE	8"

E3 LIGHT DUTY ASPHALT PAVING

* PAVEMENT DEPTH SHOULD MATCH GEOTECHNICAL RECOMENDATION

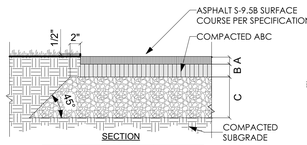


SECTION

	MATERIAL	DEPTH
A	ASPHALT SURFACE COURSE	2.5"
B	ABC STONE BASE	8"

E4 MEDIUM DUTY ASPHALT PAVING

* PAVEMENT DEPTH SHOULD MATCH GEOTECHNICAL RECOMENDATION

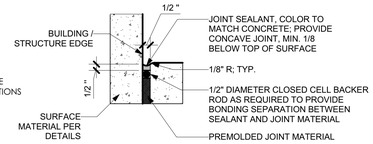


SECTION

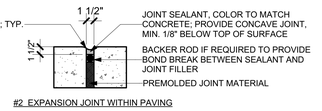
	MATERIAL	DEPTH
A	ASPHALT SURFACE COURSE	1.5"
B	ASPHALT INTERMEDIATE COURSE	2.5"
C	ABC STONE BASE	8"

E5 HEAVY DUTY ASPHALT PAVING (TYP.)

* PAVEMENT DEPTH SHOULD MATCH GEOTECHNICAL RECOMENDATION
* SHOULD BE PLACED IN TWO LIFTS



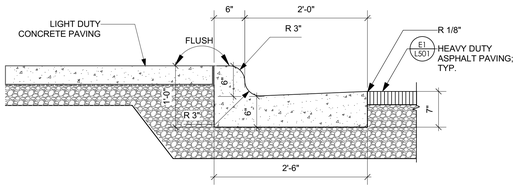
#1 EXPANSION JOINT AT STRUCTURE/BUILDING EXTERIOR
TYP. SECTION



#2 EXPANSION JOINT WITHIN PAVING
TYP. SECTION

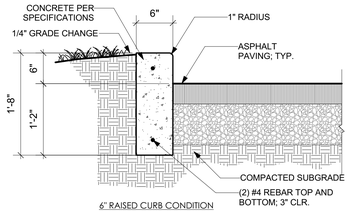
E6 EXPANSION JOINT

SCALE: NTS

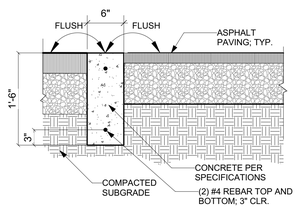


CURB AND GUTTER

D1 30" NCDOT STANDARD CURB AND GUTTER
SCALE: 1"=1'-0"

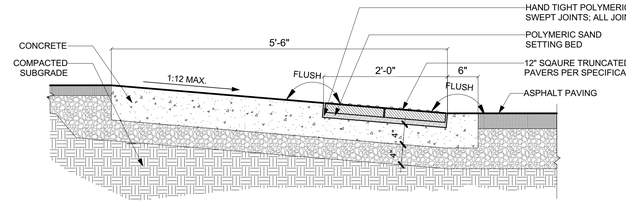


6" RAISED CURB CONDITION



FLUSH CURB CONDITION

D2 STANDING CONCRETE CURB



SECTION

D4 TRUNCATED DOME PAVERS
1"=1'-0"

ACCESSIBLE STONE PAVERS ON CONCRETE BASE
REFER TO PLANS FOR LOCATIONS

FLAGSTONE PAVING PLAN SAMPLE

C4 POURED IN PLACE RUBBER PLAY SURFACING TO LANDSCAPE
1"=1'-0"

C5 CONCRETE WHEEL STOP

C1 FLAGSTONE PAVING ON CONCRETE BASE (TYP.) - SECTION AND PLAN

NOTES:
1. 1/4" MAX. VARIANCE IN LEVEL FOR ALL PAVING SURFACES
2. SLOPE ALL PAVING TO DRAIN AWAY FROM BUILDING AT 2% MAX SLOPE

ACCESSIBLE STONE PAVERS ON CONCRETE BASE
REFER TO PLANS FOR LOCATIONS

SLATE PAVING PLAN

B1 SLATE PAVERS ON CONCRETE BASE (TYP.)-SECTION AND PLAN

NOTES:
1. 1/4" MAX. VARIANCE IN LEVEL FOR ALL PAVING SURFACES
2. SLOPE ALL PAVING TO DRAIN AWAY FROM BUILDING AT 2% MAX SLOPE

B4 ACCESSIBLE CURB RAMP (TYPE 1)

SCALE: NTS

TYPE 2A

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

B5 ACCESSIBLE CURB RAMP (TYPE 2)

SCALE: NTS

CONDITION B: DECORATIVE GRAVEL TO LIGHT DUTY ASPHALT PAVING

A1 SLATE CHIP
NOTES:

A2 GRAVEL PAVING

SECTION [TYP.]

A3 FRENCH DRAIN
1"=1'-0"

A4 ACCESSIBLE PARKING CONDITIONS

NTS

A5 CURB TRANSITION
TYPICAL CONDITION - SEE PLAN FOR LAYOUT

NTS

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REGISTRATION

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
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BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

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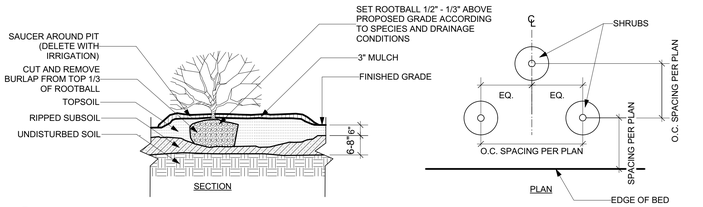
CHECKED: TW

SHEET TITLE:

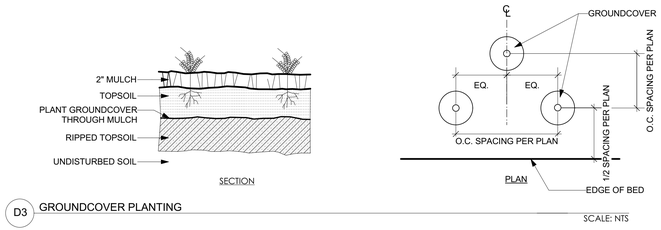
LANDSCAPE SITE DETAILS

L501



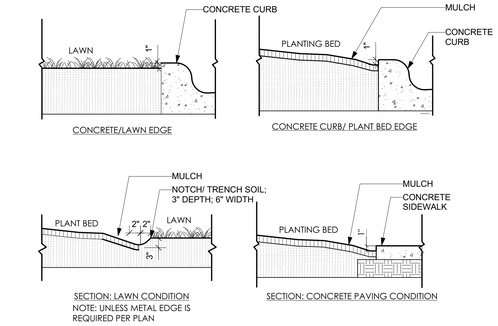
D1 RAISED SHRUB PLANTING

SCALE: NTS



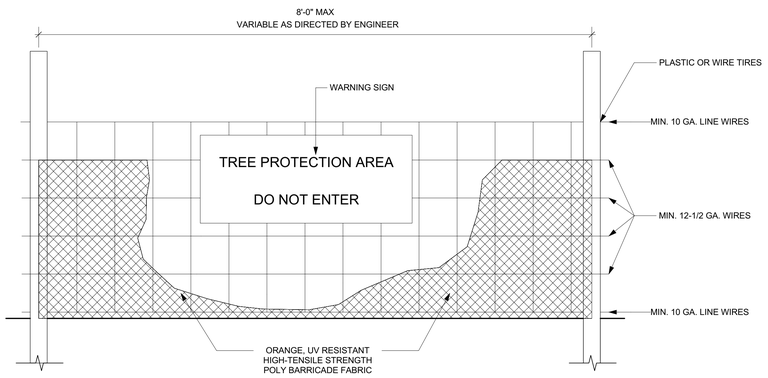
D3 GROUNDCOVER PLANTING

SCALE: NTS

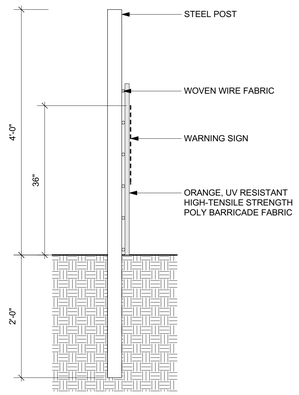


D5 PLANT BED EDGE

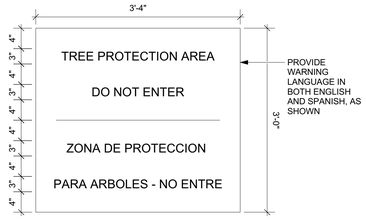
SCALE: NTS



FRONT VIEW



SIDE VIEW



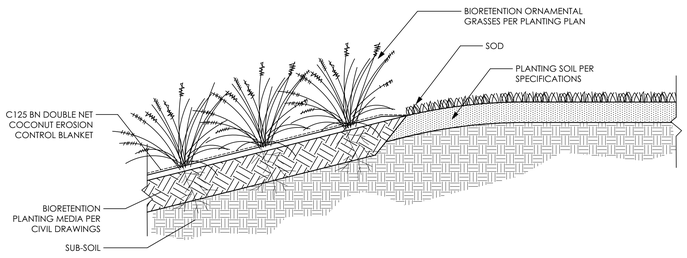
WARNING SIGN DETAIL

NOTES

1. TREE PROTECTION FENCING MUST BE INSTALLED AT A MINIMUM RADIUS OF THE CRITICAL ROOT ZONE. MINIMUM RADIUS (FT) = DBH (IN)x1.25
2. THE TREE PROTECTION FENCING MUST REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE APPROVED BY URBAN FORESTRY STAFF
3. APPROVED IMPACT PROTECTION DEVICES MUST BE REMOVED AFTER CONSTRUCTION WHEN APPLICABLE.
4. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER FOR THE REMAINDER
5. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTED AREA
6. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
7. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF RALEIGH BASED ON ACTUAL FIELD CONDITIONS.
8. SIGNS ARE TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL WITH LETTERS A MINIMUM OF 3" HIGH, CLEARLY LEGIBLE AND SPACED AS SHOWN.

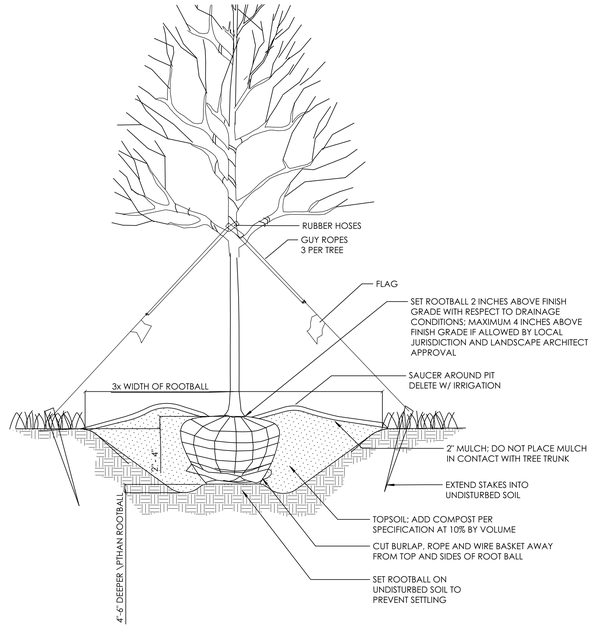
B1 TREE PROTECTION FENCE DETAIL

SCALE: NTS



A1 BIOSWALE PLANTING DETAIL

SCALE: NTS

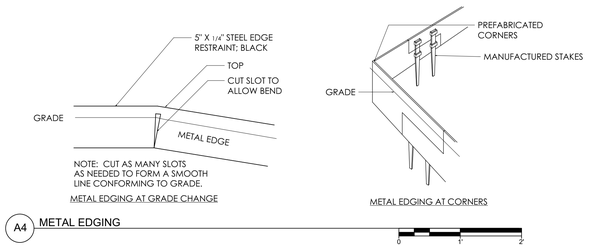


B4 RAISED TREE PLANTING

SCALE: NTS

NOTE:
1.CONTRACTOR SHALL PROVIDE SAMPLE TREE PLANTING FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF REMAINING TREES.

2.PER SPECIFICATIONS, CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IN WRITING OF ENVIRONMENTAL OR DETRIMENTAL SITE CONDITIONS AFFECTING THE SURVIVAL OF PROPOSED PLANT MATERIAL PRIOR TO INSTALLATION OF PLANT MATERIAL. PROCEEDING WITH PLANT INSTALLATIONS AT THE DETRIMENT OF PLANT SURVIVABILITY WITHOUT NOTIFYING LANDSCAPE ARCHITECT OF HARMFUL SITE CONDITIONS MAY RESULT IN REJECTION OF PLANT MATERIAL AT THE DISCRETION OF LANDSCAPE ARCHITECT WITH NO COST REPLACEMENT BY CONTRACTOR.



A4 METAL EDGING

SCALE: NTS

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CLIENT

WAKE COUNTY NORTH CAROLINA

FACILITIES DESIGN AND CONSTRUCTION
WAKE COUNTY OFFICE BUILDING
11TH FLOOR
RALEIGH, NC 27602

BLUE JAY POINT COUNTY PARK

3200 PLEASANT UNION CHURCH RD.

KEY MAP

NO.	REVISION	DATE

ISSUE:

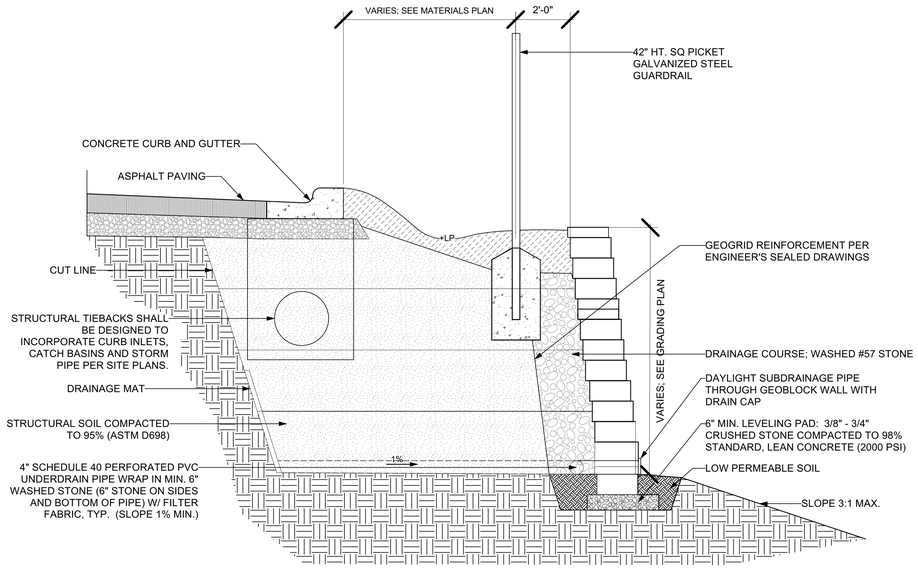
100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH, YL, SZ
CHECKED: TW

SHEET TITLE:

LANSCAPE PLANTING DETAILS

L502



D1 SEGMENTAL BLOCK RETAINING WALL DETAIL (TYP)
SCALE: 1/2" = 1'-0"
0 2 4

* PROVIDE SEALED ENGINEER'S SHOP DRAWINGS FOR ALL GEOBLOCK WALLS TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION

GENERAL SEGMENTAL RETAINING WALL NOTES:

STRUCTURAL PERFORMANCE: PROVIDE SEGMENTAL RETAINING WALLS CAPABLE OF WITHSTANDING THE EFFECTS OF GRAVITY LOADS DUE TO SOIL PRESSURES AND SURCHARGE LOADS RESULTING FROM GRADES AND PARKING INDICATED AND DETERMINED ACCORDING TO NCMA'S "DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS".

DRAINAGE: PROVIDE SEGMENTAL RETAINING WALLS DRAINAGE SYSTEM CAPABLE OF PREVENTING ACCUMULATION OF GROUNDWATER IN RETAINED AND IN RETAINING WALL FOUNDATION SOILS.

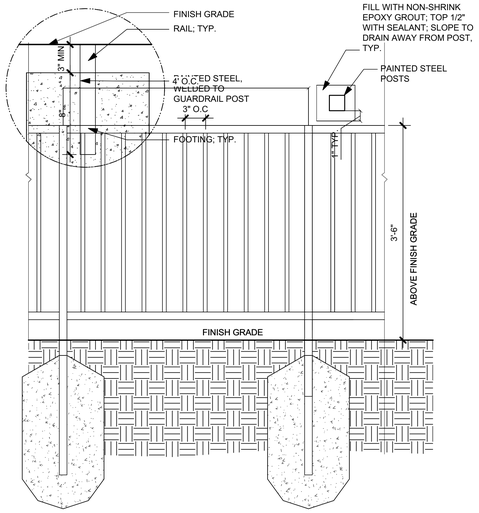
PRECONSTRUCTION TESTING SERVICE: ENGAGE A QUALIFIED INDEPENDENT TESTING AGENCY TO PERFORM THE FOLLOWING PRECONSTRUCTION TESTING:

1. TESTING AGENCY QUALIFICATIONS: AN INDEPENDENT AGENCY QUALIFIED ACCORDING TO ASTM E 329 FOR TESTING INDICATED, AS DOCUMENTED ACCORDING TO ASTM E 548.

2. TEST SOIL REINFORCEMENT AND BACKFILL MATERIALS FOR PULLOUT BEHAVIOR ACCORDING TO GRI GG5 OR GRI GT6.

3. TEST SOIL REINFORCEMENT AND BACKFILL MATERIALS FOR COEFFICIENT OF FRICTION ACCORDING TO ASTM D 5321.

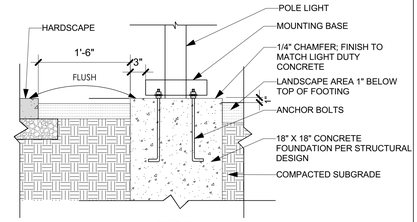
COMPACTION TESTING: THE CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT GEOTECHNICAL ENGINEERING TESTING AGENCY TO PERFORM FIELD QUALITY-CONTROL TESTING IN EACH COMPACTED BACKFILL LAYER. PERFORM AT LEAST 1 FIELD IN-PLACE COMPACTION TEST FOR EACH 100 FT. OR LESS OF SEGMENTAL RETAINING WALL LENGTH.



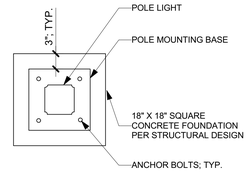
ELEVATION

42" HT STANDARD GUARDRAIL

D3 PAINTED STEEL GUARDRAIL
SCALE: 1"=1'-0"
0 1 2
NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION, AND INSTALLATION



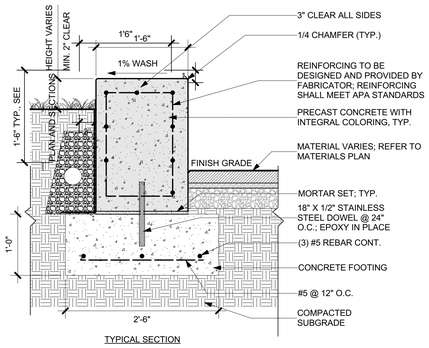
SECTION



TOP VIEW

D5 POLE LIGHT FOUNDATION IN LANDSCAPE AREA
NTS

NOTE: CONTRACTOR TO SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IN THE STATE OF NORTH CAROLINA THAT MEETS STRUCTURAL PERFORMANCE REQUIREMENTS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

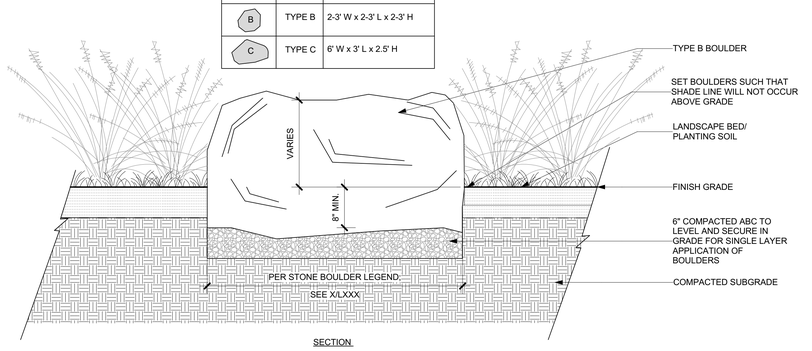


TYPICAL SECTION

B3 CONCRETE SEATWALL
SCALE: 1" = 1'-0"
0 1/2" 1" 2"

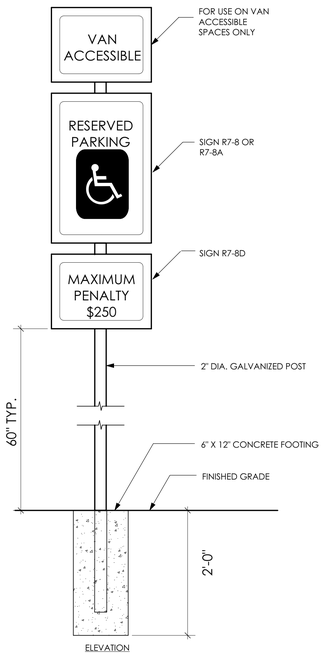
BOULDER SCHEDULE

TYPE		SIZE
A	TYPE A	1.5-2' W x 1-2' L x 1-1.5' H
B	TYPE B	2-3' W x 2-3' L x 2-3' H
C	TYPE C	6' W x 3' L x 2.5' H



SECTION

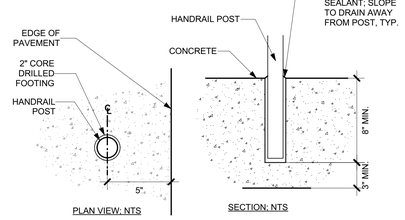
B4 LANDSCAPE BOULDER
1"=1'-0"
0 1' 2'



ELEVATION

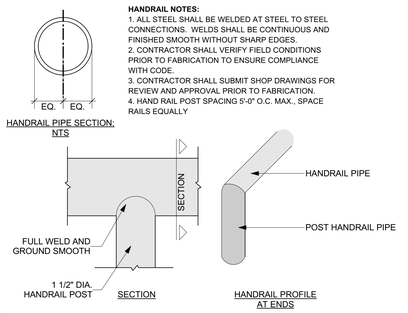
NOTE: ALL SIGNS SHALL CONFORM TO UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).

A1 ACCESSIBLE PARKING SIGNAGE
1" = 1'-0"
0 1' 2'



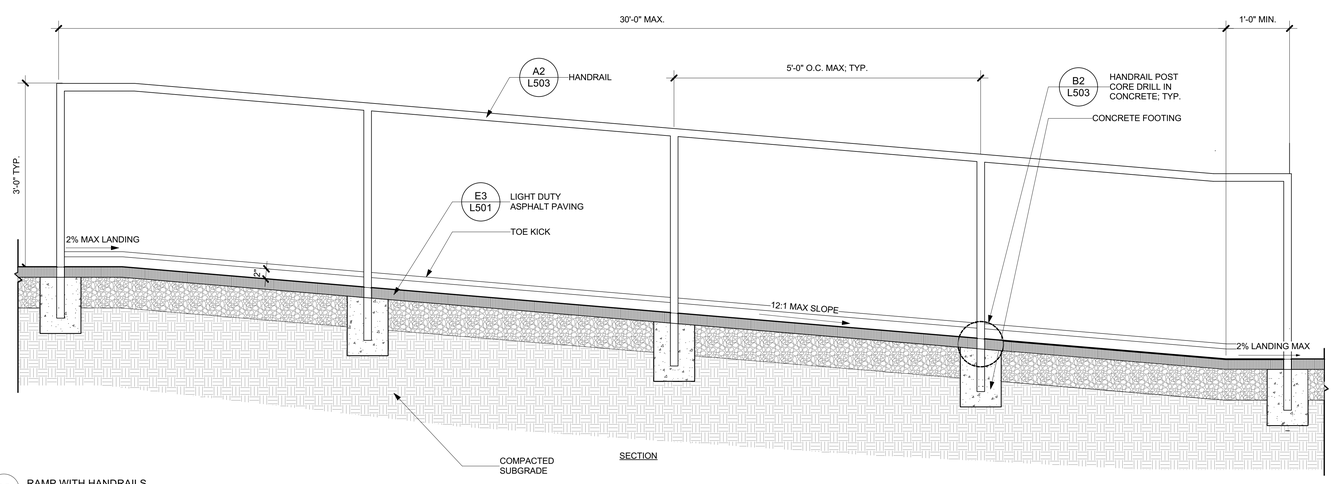
PLAN VIEW: NTS SECTION: NTS

B2 HANDRAIL/ GUARDRAIL POST CORE DRILL IN PAVEMENT ENLARGEMENT
SCALE: NTS



SECTION HANDRAIL PROFILE AT ENDS

A2 GALVANIZED STEEL HANDRAIL
SCALE: NTS



SECTION

A3 RAMP WITH HANDRAILS
Scale: 1" = 1'-0"
NOTES: *CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION
0 1' 2'

Surface

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CIVIL ENGINEER

THE WOOTEN COMPANY
120 N. BOYLAN AVENUE
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REGISTRATION

NORTH CAROLINA LANDSCAPE ARCHITECT C-098 SURFACE 678, P.A.

NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330

CLIENT

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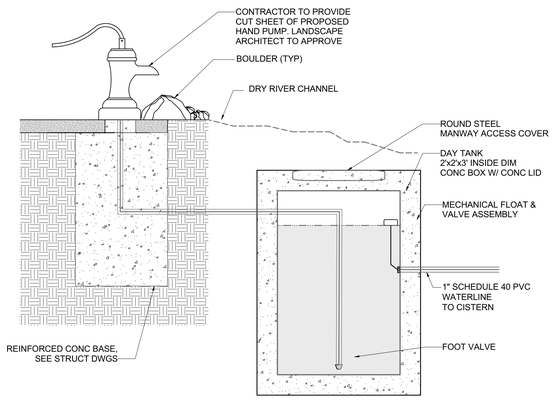
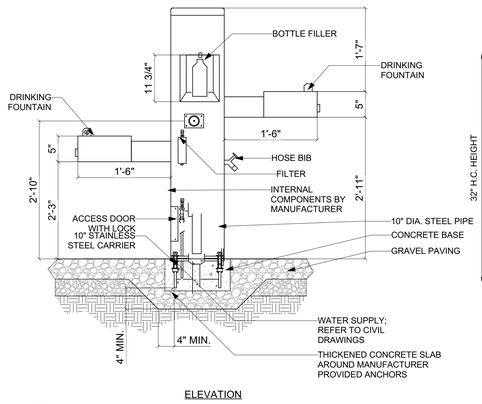
LANDSCAPE SITE DETAILS

L503



D1 WATER HAND PUMP
Scale: 1" = 1'-0"

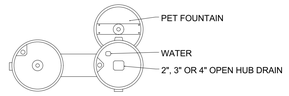
NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.



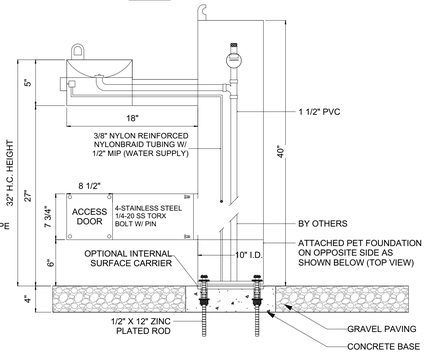
ELEVATION

D2 WATER FOUNTAIN
Scale: 1" = 1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.

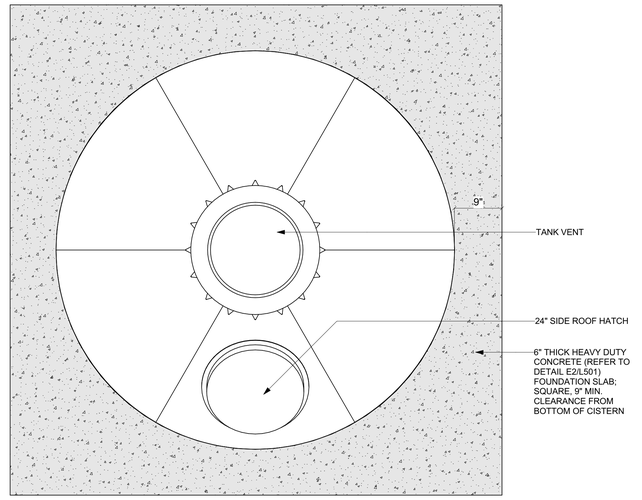


TOP VIEW

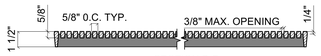


D4 WATER FOUNTAIN WITH DOG DRINK
Scale: 1" = 1'-0"

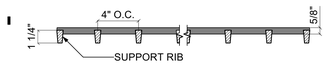
NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.



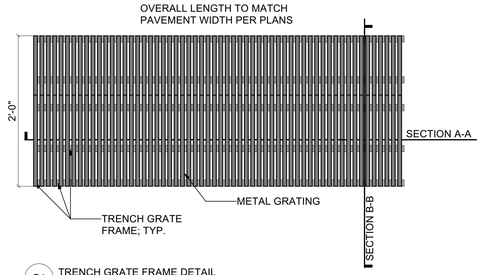
PLAN



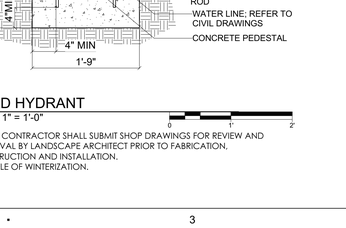
SECTION B-B



SECTION A-A

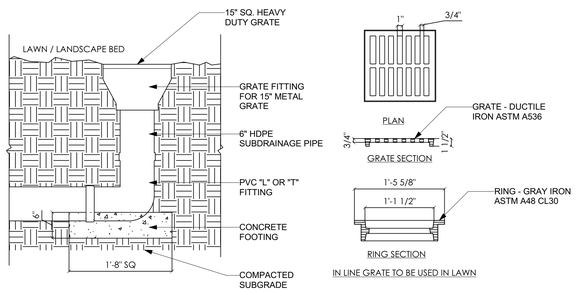


B1 TRENCH GRATE FRAME DETAIL
SCALE: NTS
NOTE:
1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION, AND INSTALLATION
2. REFER TO E5/L502 FOR TRENCH GRATE SPECIFICATIONS



ELEVATION

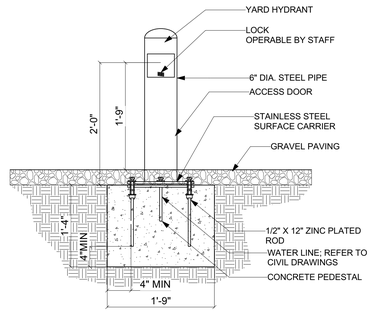
B2 SIGNAGE
1" = 1'-0"



IN LINE GRATE TO BE USED IN LAWN

A1 LANDSCAPE DRAIN INLETS
Scale: 1" = 1'-0"

NOTES:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
2. PROVIDE PERFORATED PIPE AT FRENCH DRAIN LOCATIONS AND SOLID PIPE WHERE CONNECTING FRENCH DRAINS TO STORM DRAIN SYSTEM OR TO DAYLIGHT



A2 YARD HYDRANT
Scale: 1" = 1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.
CAPABLE OF WINTERIZATION.

ELEVATION

A4 CISTERN
Scale: 1" = 1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.

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NORTH CAROLINA REGISTERED LANDSCAPE ARCHITECT 1330 JAMES M. ELLIOTT

CLIENT

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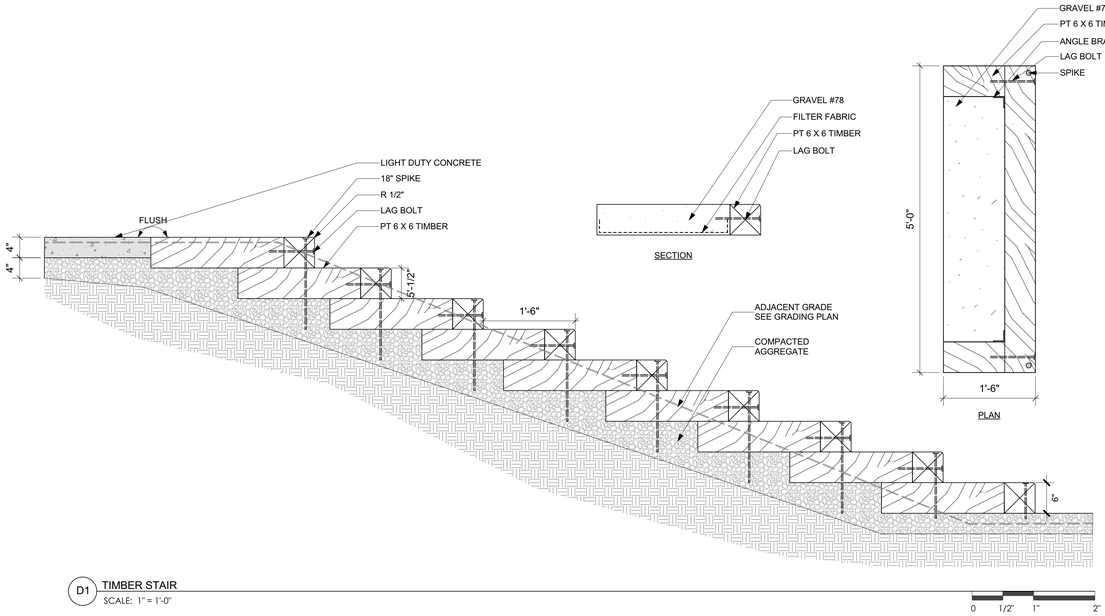
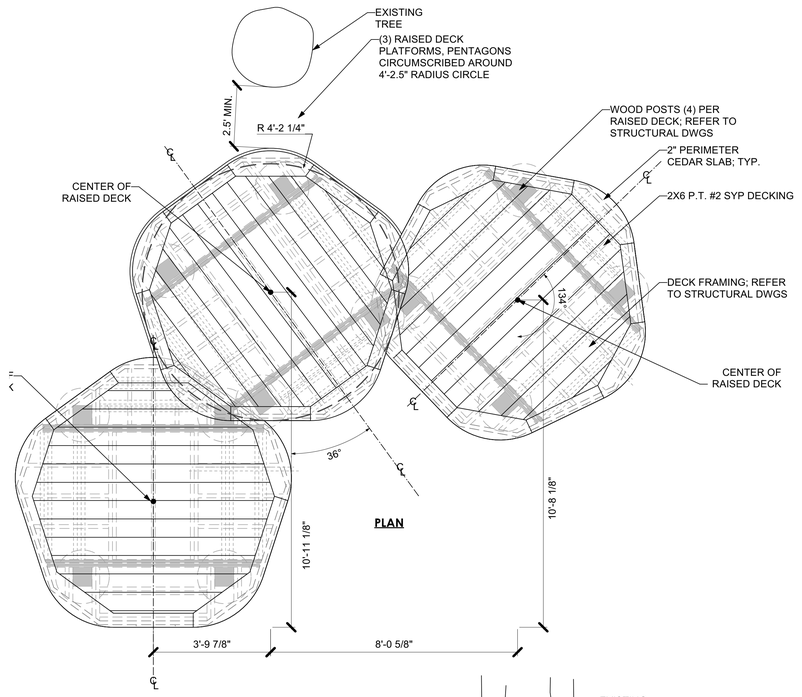
LANDSCAPE SITE DETAILS

L504

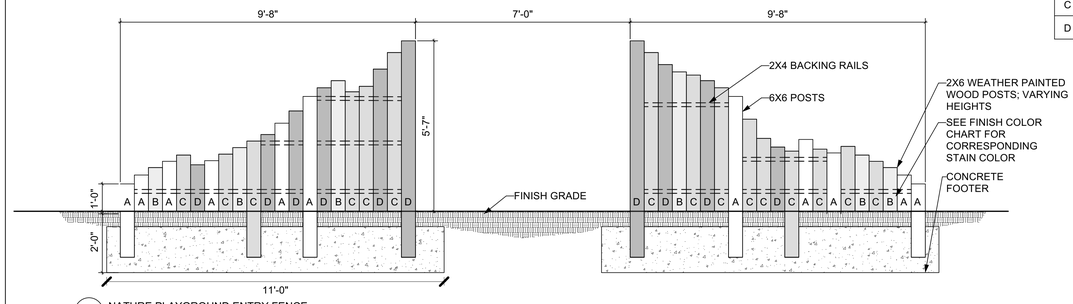


D1 TIMBER STAIR
SCALE: 1" = 1'-0"



PLAN

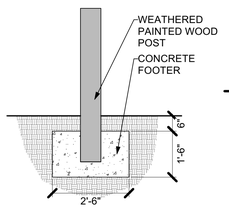
COLOR	RGB	
A	181, 266, 250	
B	249, 247, 243	
C	237, 222, 164	
D	127, 160,114	

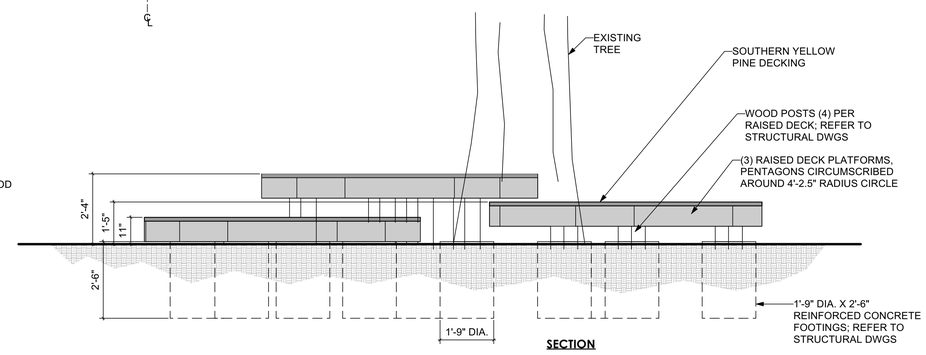


B1 NATURE PLAYGROUND ENTRY FENCE
SCALE: 1/2" = 1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.

SECTION

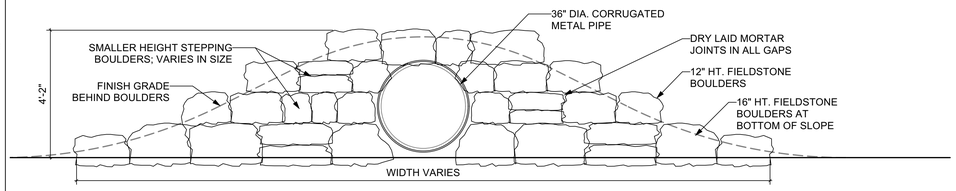


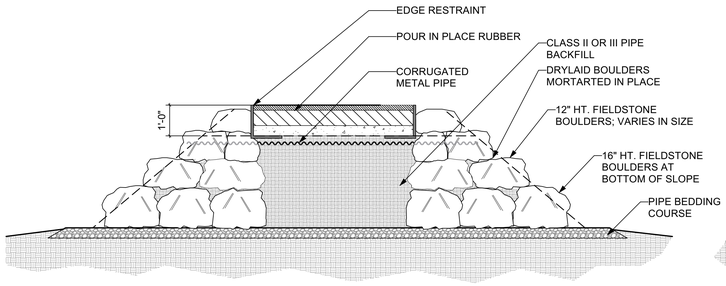


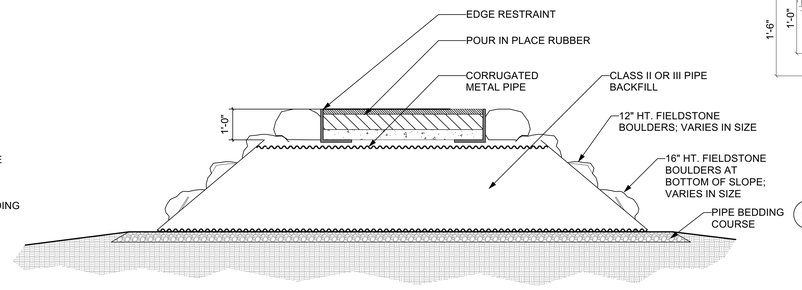
SECTION

B4 NATURE PLAYGROUND RAISED DECK PLATFORMS
SCALE: 1/2" = 1'-0"

NOTE:
1. FRAMING PLANS FOR REFERENCE ONLY
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION, AND INSTALLATION. SHOP DRAWINGS SHALL BE SIGNED AND SEALED FROM A LICENSED STRUCTURAL ENGINEER IN THE STATE OF NORTH CAROLINA.
3. ALL DECK AND FRAMING DESIGNS TO BE APPROVED BY LANDSCAPE ARCHITECT.
4. NOT EVERY REQUIRED FASTENER IS SHOWN IN THE DETAILS, BUT ALL FASTENERS PER ENGINEER SHALL BE REQUIRED TO PROVIDE A COMPLETE DECK SYSTEM. REFER TO STRUCTURAL ENGINEER DWGS. FASTENERS SHALL BE HIDDEN UNLESS OTHERWISE INDICATED; DRAWINGS SHALL INCLUDE ALL REQUIRED SPECIFICATIONS FOR ALL COMPONENTS OF THE DECK, INCLUDING BUT NOT LIMITED TO: PRESERVATIVE TREATEMENTS OF NATURAL WOODS AND MATERIAL STANDARDS.

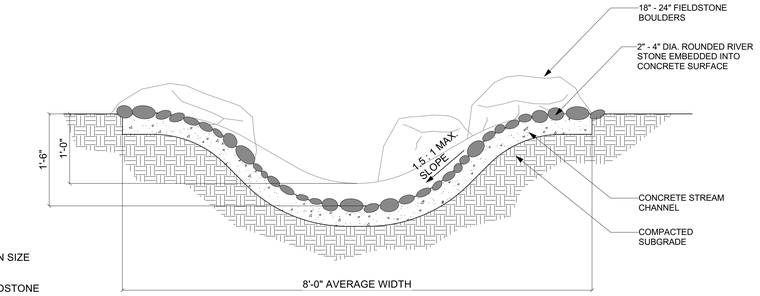






A1 NATURE PLAYGROUND MOUND AND TUNNEL
SCALE: 1/2" = 1'-0"

NOTES:
1. CORRUGATED METAL PIPE SHOULD HAVE A SMOOTH INTERIOR/NO SHARP EDGES.
2. PIPE SHOULD BE INSTALLED ABOVE THE WATER TABLE TO AVOID BACKFLOW OF MULCH



A5 DRY STREAM BED
SCALE: 1" = 1'-0"

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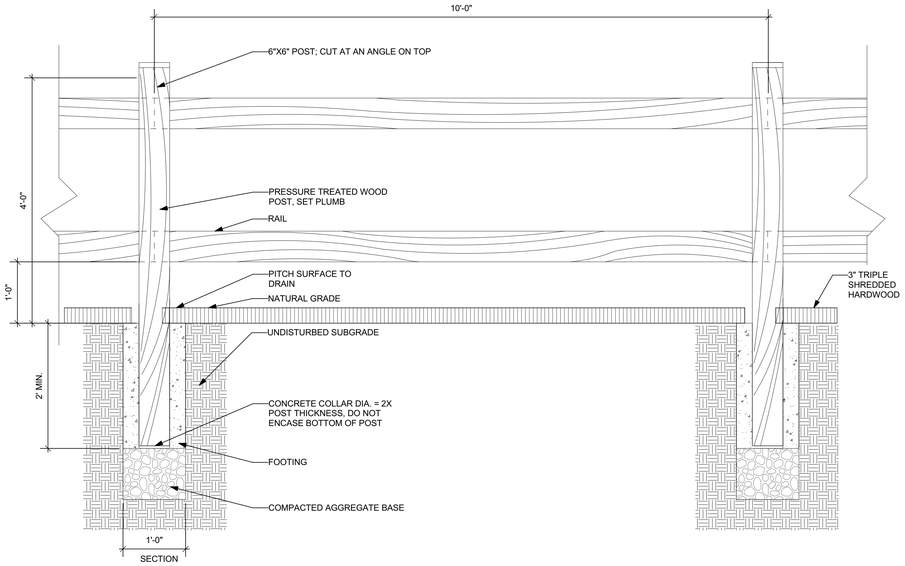
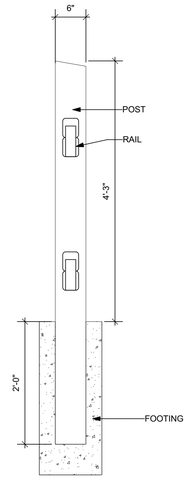
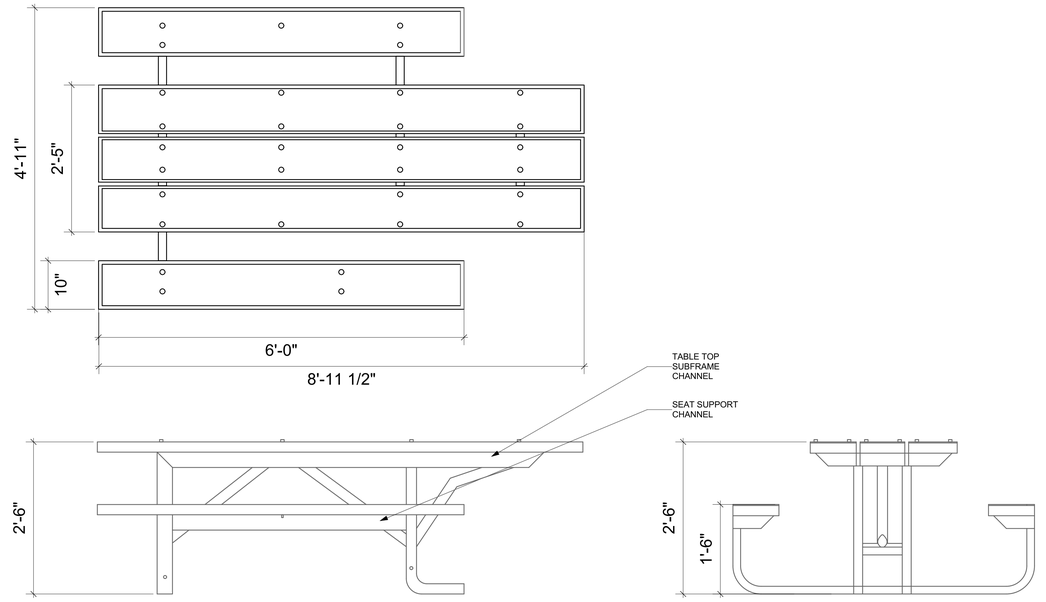
SITE DETAILS

L505





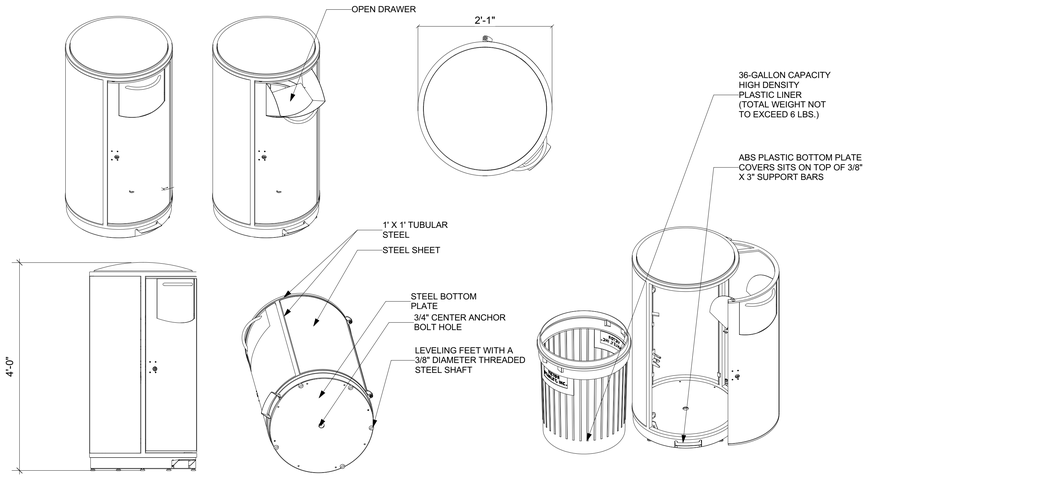
2 RAIL FENCE SECTION



D1 2-RAIL WOOD FENCE

NOTE: All lumber is pressure treated pine. stain: Wood Scapes exterior house satin semi-transparent, color: Charwood.

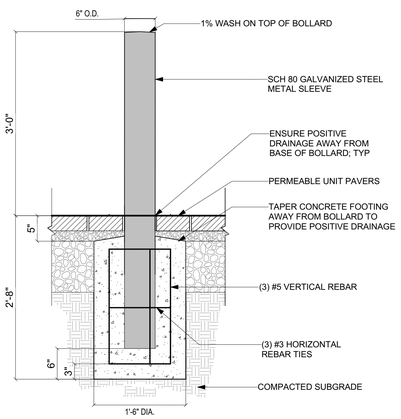
0 1' 2'



B1 TRASH CAN

NTS

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATIONM CONSTRUCTION AND INSTALLATION.

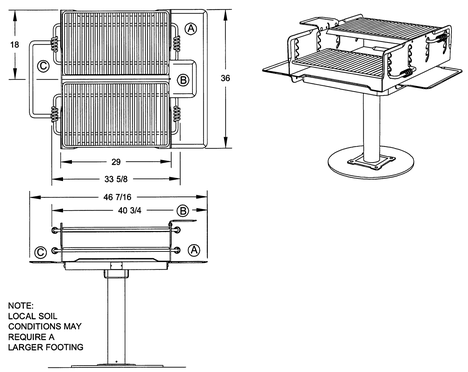


A1 FIXED BOLLARD

1"=1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.

0 1' 2'



A2 SURFACE MOUNTED GRILL

1"=1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION, CONSTRUCTION AND INSTALLATION.

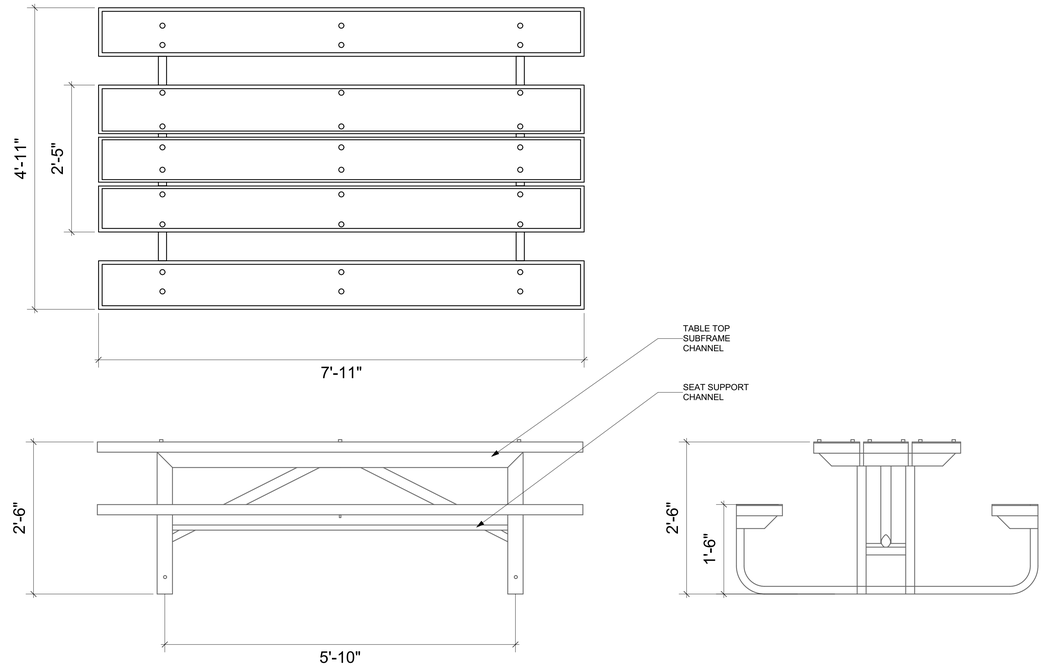
0 1' 2'

C4 ADA TABLE SET

1" = 1'-0"

NOTES: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATIONM CONSTRUCTION AND INSTALLATION.

0 1' 2'



A4 TABLE SET

1" = 1'-0"

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0 1' 2'

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KEY MAP

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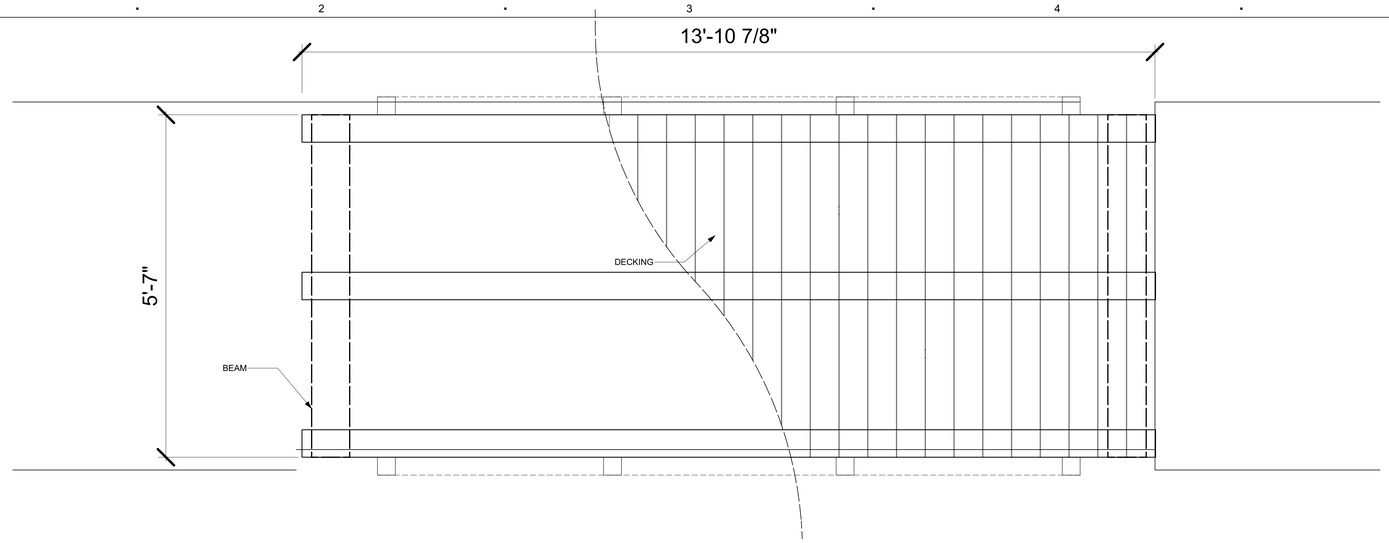
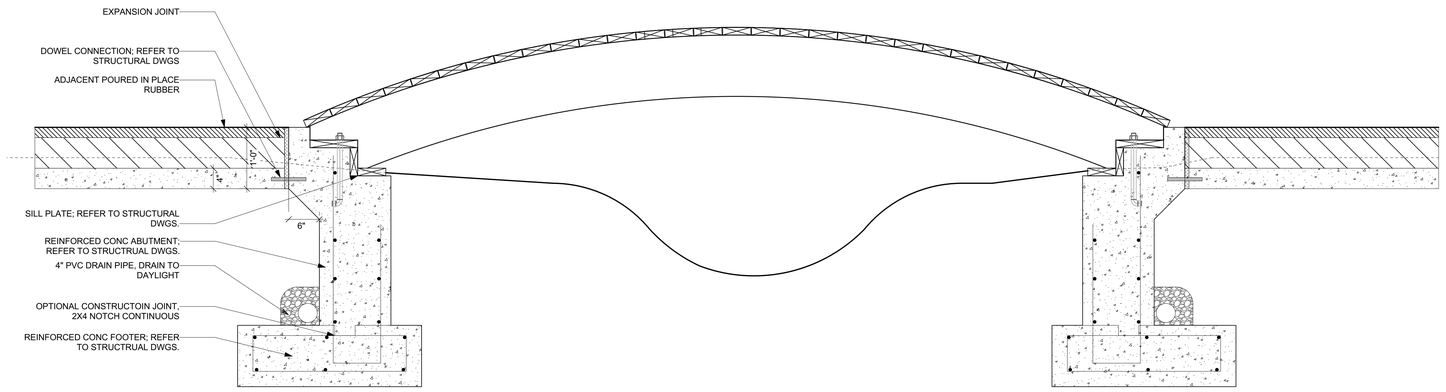
DRAWN: MH, YL, SZ
CHECKED: TW

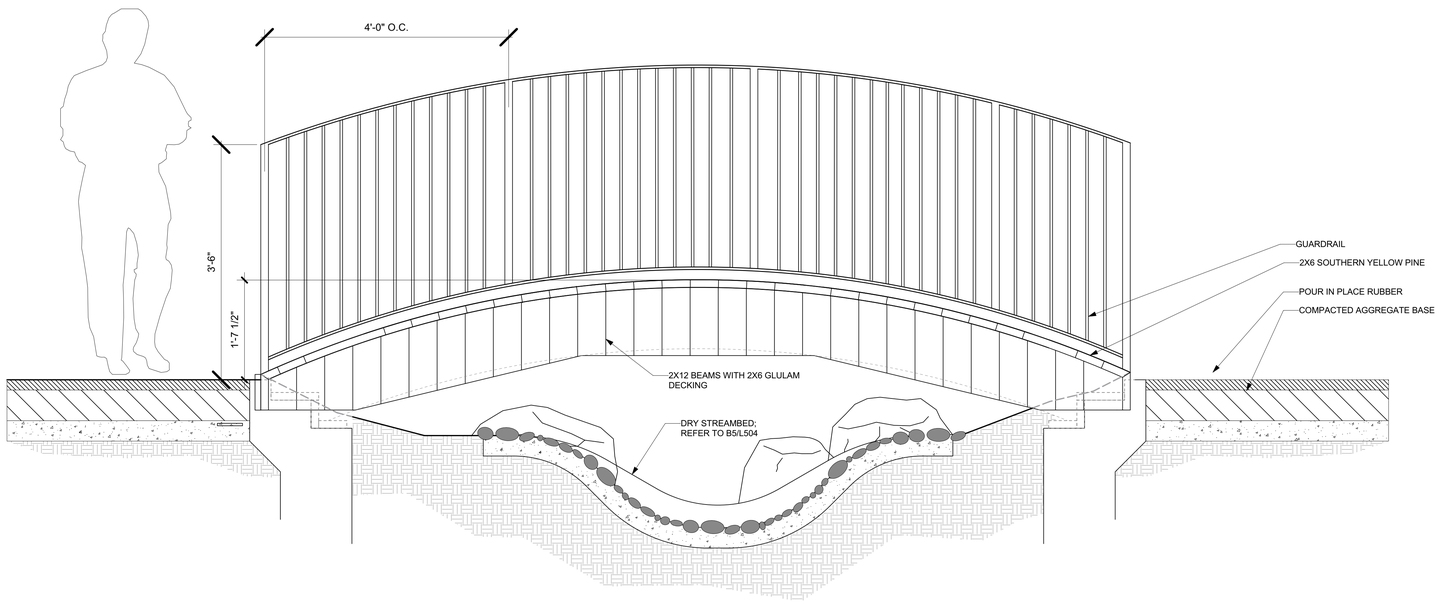
SHEET TITLE:

LANDSCAPE SITE DETAILS

L506







A1 BRIDGE OVER DRY STREAM BED

SCALE: NTS

0 1/2" 1" 2"

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3. ALL DECK AND FRAMING DESIGNS TO BE APPROVED BY LANDSCAPE ARCHITECT.
4. NOT EVERY REQUIRED FASTENER IS SHOWN IN THE DETAILS, BUT ALL FASTENERS PER ENGINEER SHALL BE REQUIRED TO PROVIDE A COMPLETE DECK SYSTEM. REFER TO STRUCTURAL ENGINEER DWGS. FASTENERS SHALL BE HIDDEN UNLESS OTHERWISE INDICATED; DRAWINGS SHALL INCLUDE ALL REQUIRED SPECIFICATIONS FOR ALL COMPONENTS OF THE DECK, INCLUDING BUT NOT LIMITED TO: PRESERVATIVE TREATEMENTS OF NATURAL WOODS AND MATERIAL STANDARDS.
5. ALL TIMBER TO BE SOUTHERN PINE.

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CHECKED: TW

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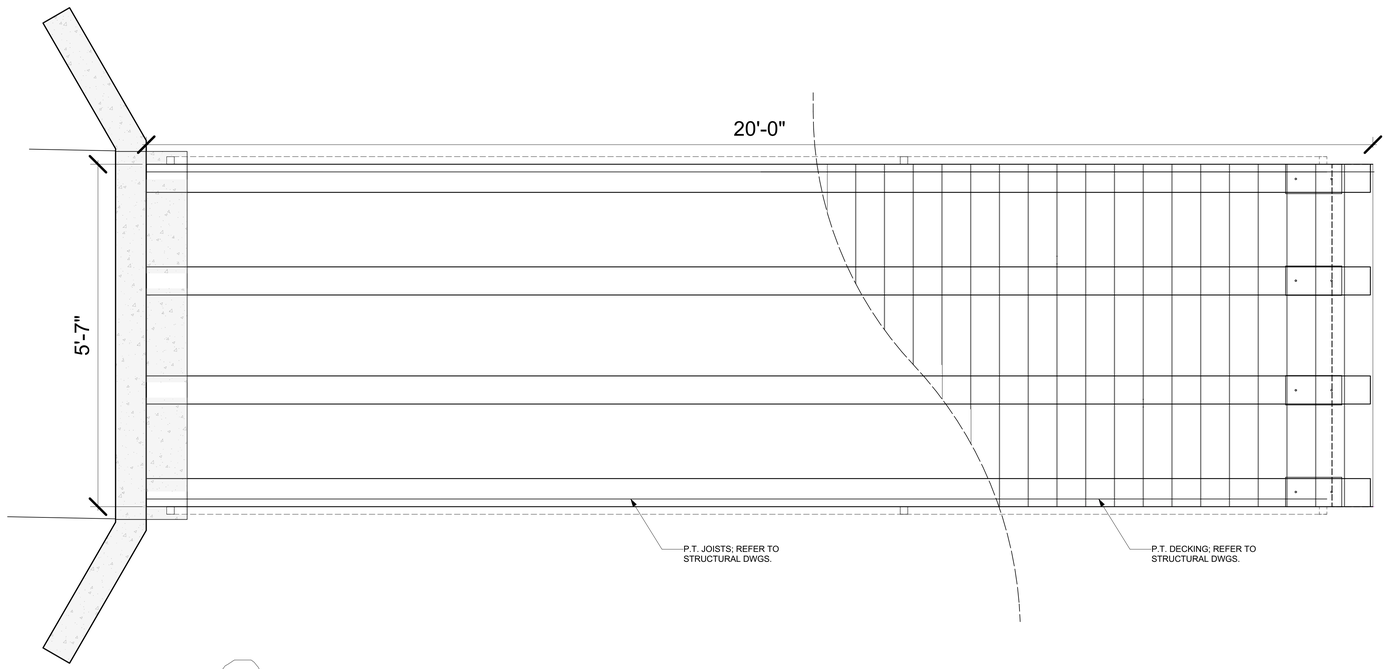
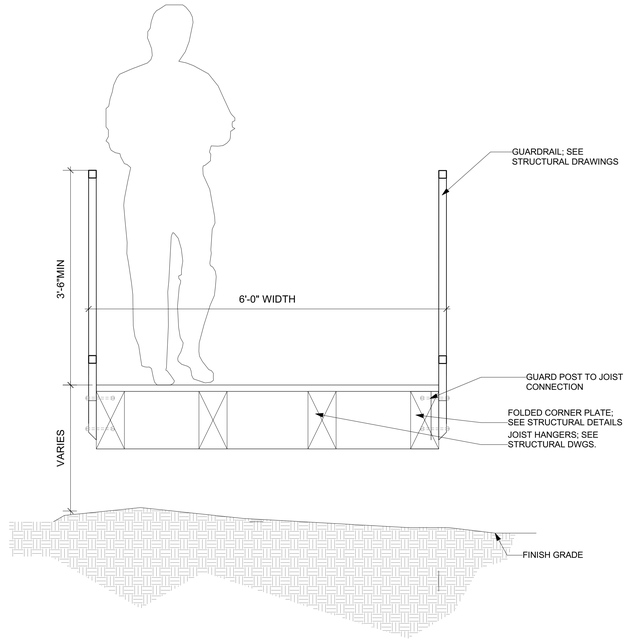
LANDSCAPE BRIDGE DETAILS

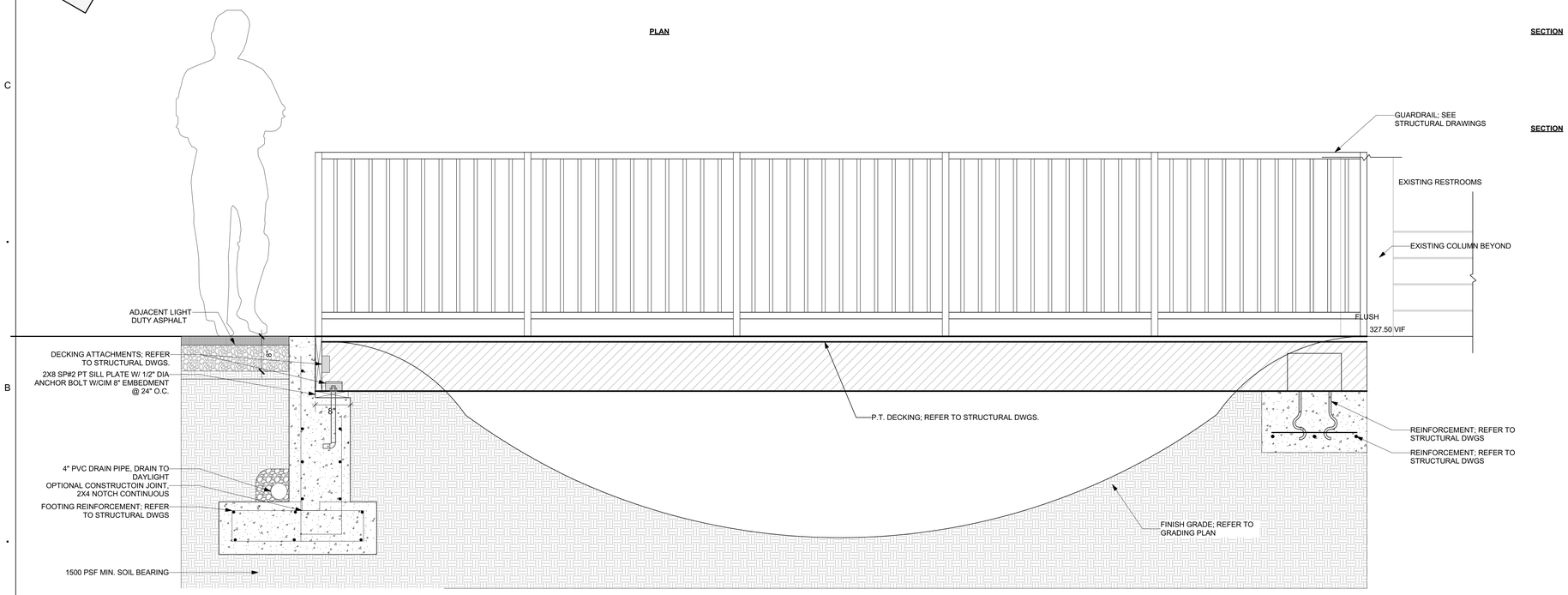
L507



PLAN



SECTION



SECTION

A1 BOARDWALK AT RESTROOMS
Scale: 1" = 1'-0"

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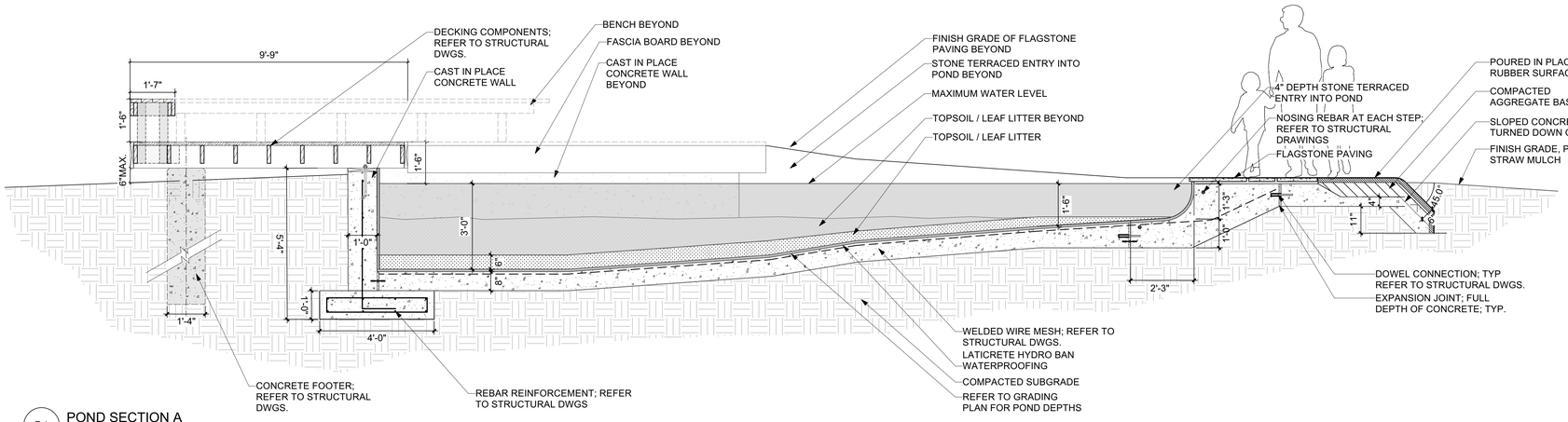
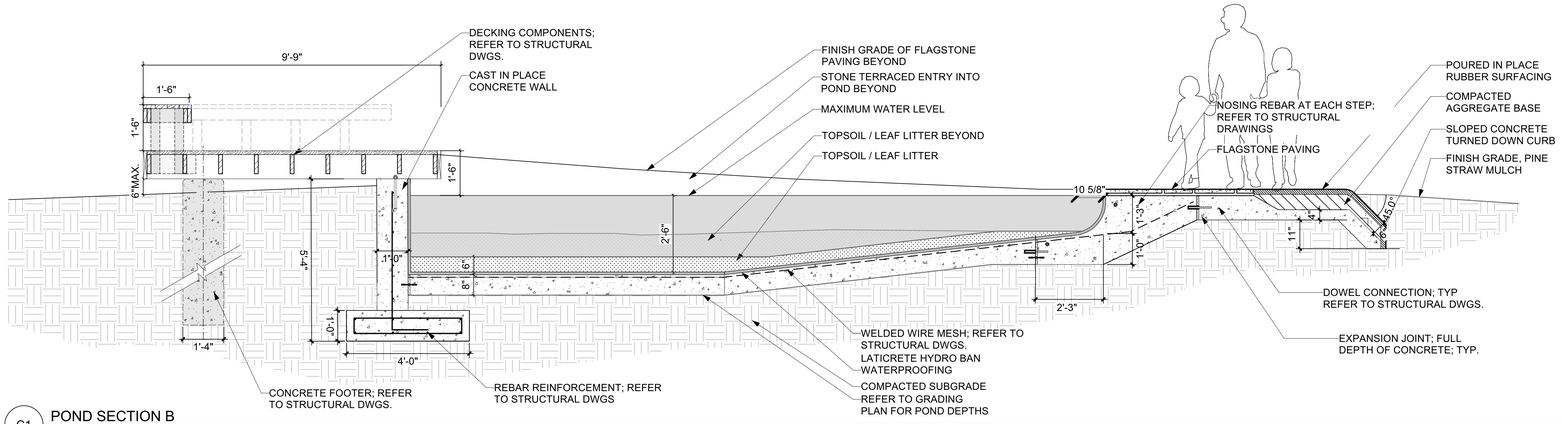
LANDSCAPE BOARDWALK DETAILS

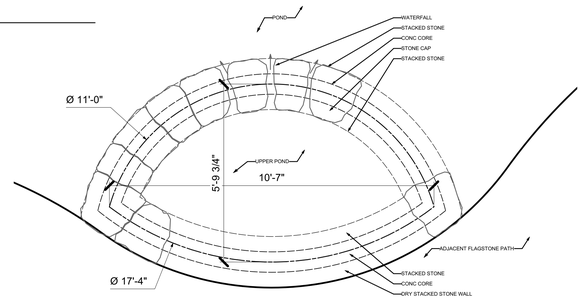
L508

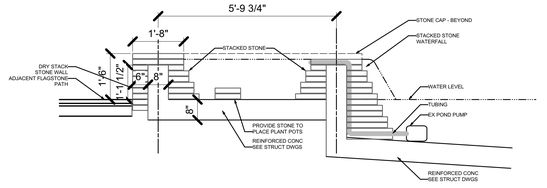


D1 POND SECTION A
Scale: 1/2" = 1'-0"

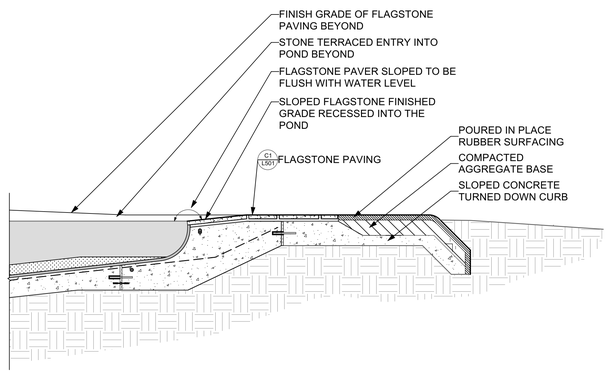


C1 POND SECTION B
Scale: 1/2" = 1'-0"





B5 FOUNTAIN AT POND
Scale: 1/2" = 1'-0"



A1 SLOPED FLAGSTONE TRANSITION INTO POND
Scale: 1/2" = 1'-0"

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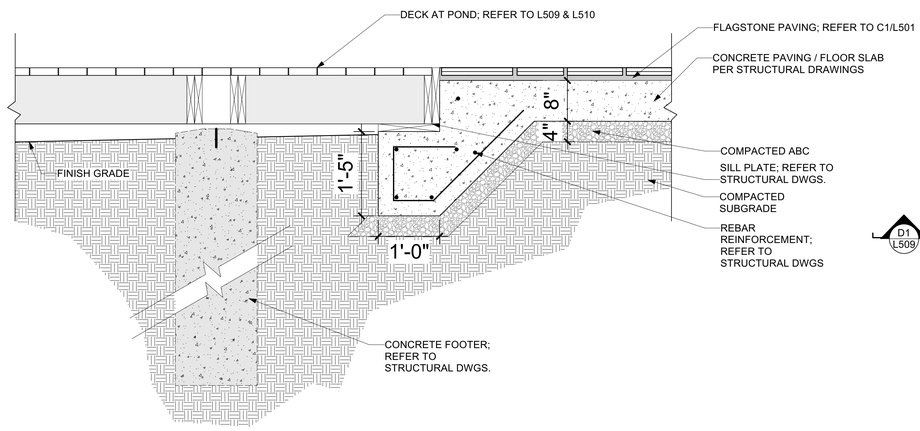
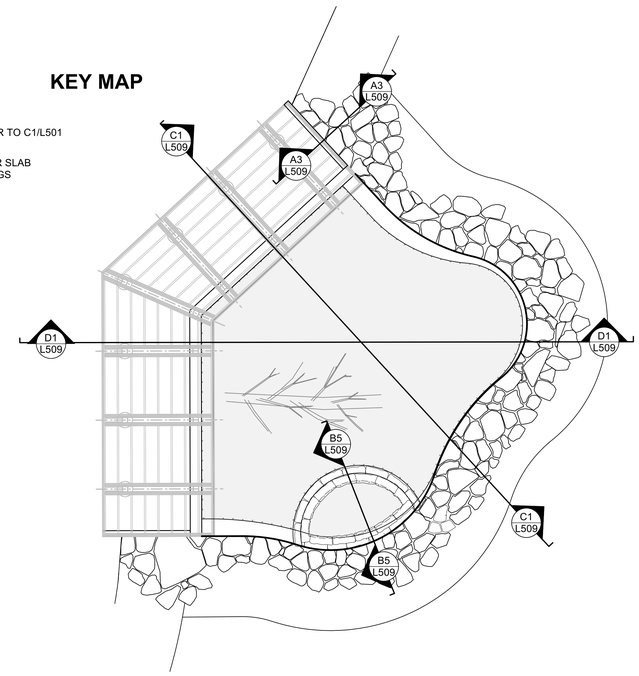


DECK AT POND TO FLAGSTONE PAVING TRANSITION

A3 DECK AT POND TO FLAGSTONE PAVING TRANSITION
Scale:

KEY MAP



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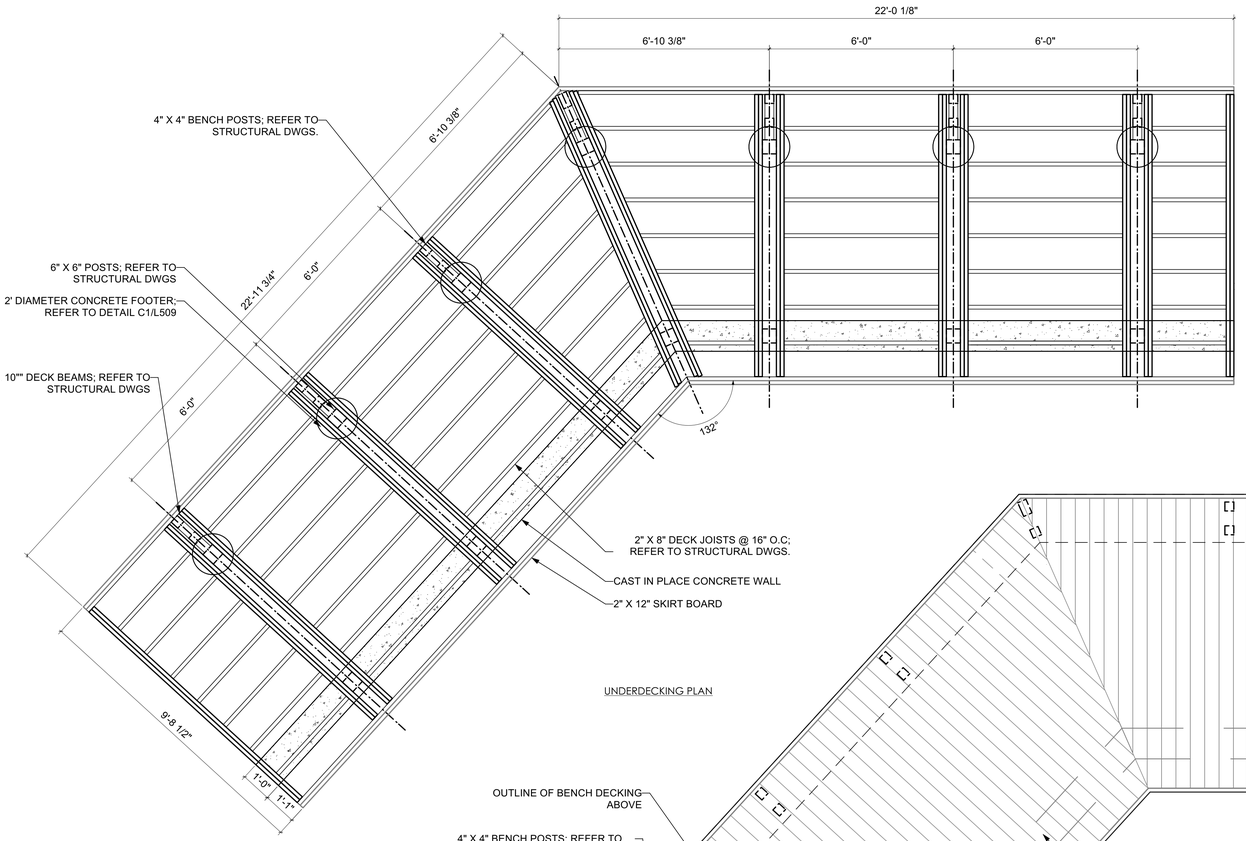
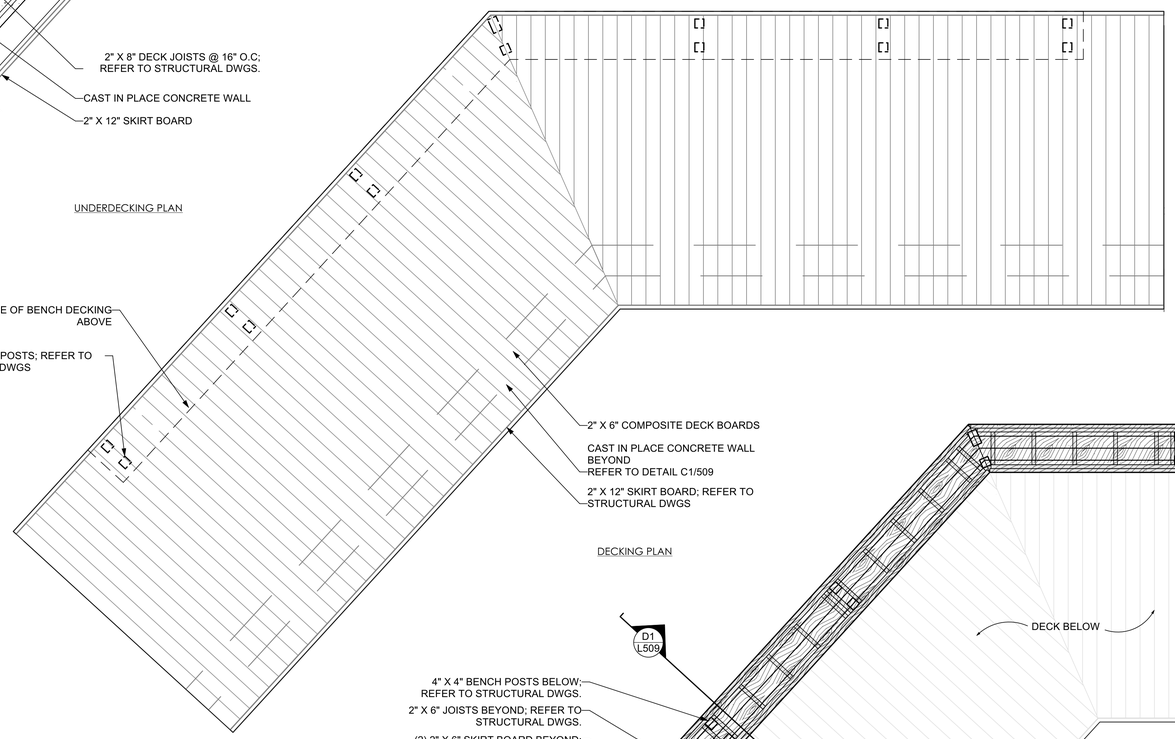
LANDSCAPE
POND DETAILS

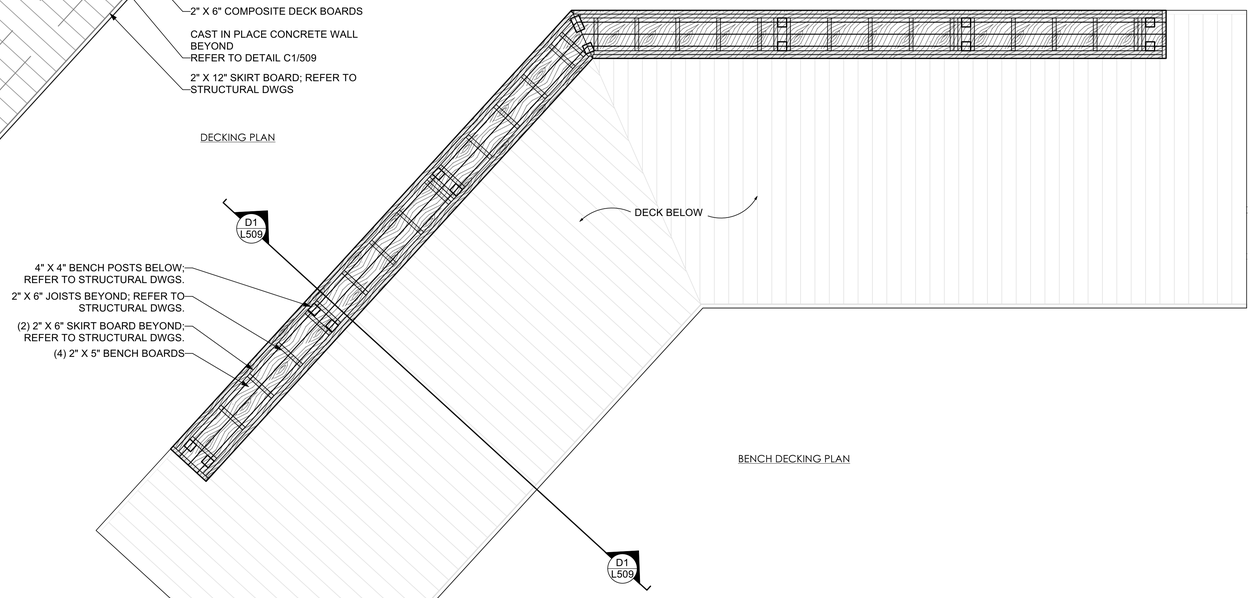
L509



UNDERDECKING PLAN



DECKING PLAN



BENCH DECKING PLAN

NOTES:
1. 12' LONG MOCK-UP TO BE CONSTRUCTED AND APPROVED BY OWNER AND LANDSCAPE ARCHITECT . IF APPROVED, CONSTRUCTION CAN BE USED AS PART OF THE FINAL CONSTRUCTION.
2. BOULDERS TO BE HARD, DURABLE FIELD STONE; WASHED FREE OF LOAM, SAND, CLAY AND OTHER FOREIGN SUBSTANCES.
   SHAPE - ANGULAR WITH ROUNDED EDGES / AGED
   COLOR - GRAYS, BROWNS AND TANS
3. CONTRACTOR TO PROVIDE PHOTO SUBMITTAL OF BOULDERS BY TYPE AND SIZE FOR INITIAL SAMPLE SELECTION. OWNER AND LANDSCAPE ARCHITECT REVIEW AND APPROVE SAMPLE SELECTION PRIOR TO PROCEEDING WITH CONCSTRUCTION. BOULDERS FOUND ON SITE MAY BE APPROPRIATE FOR USE.
4. CONTRACTOR TO REFER TO BOULDER SCHEDULE FOR SIZE REQUIREMENTS.

A1 DECK AT POND
Scale: 1/2" = 1'-0"

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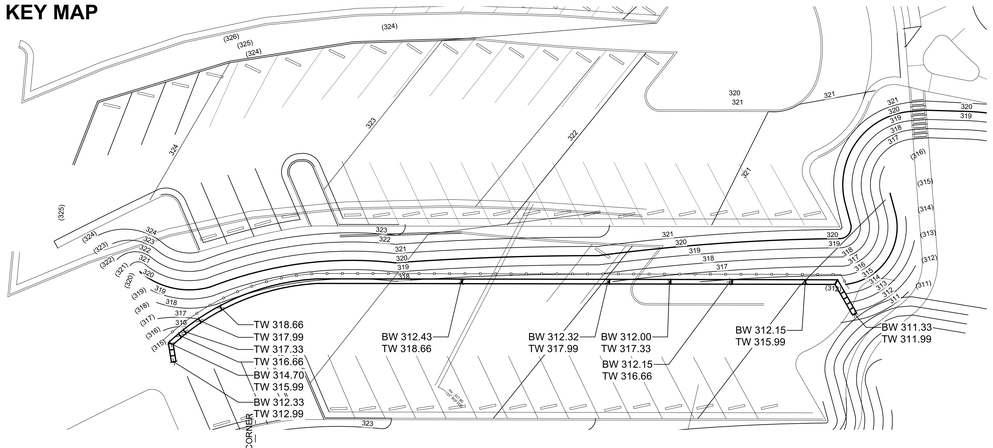
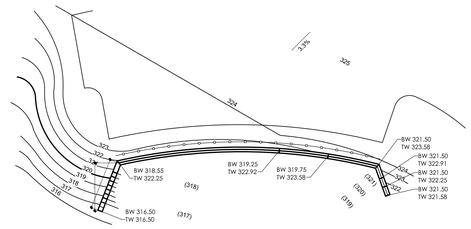
LANDSCAPE
POND DETAILS

L510

ELEVATION A
KEY MAP



ELEVATION B
KEY MAP



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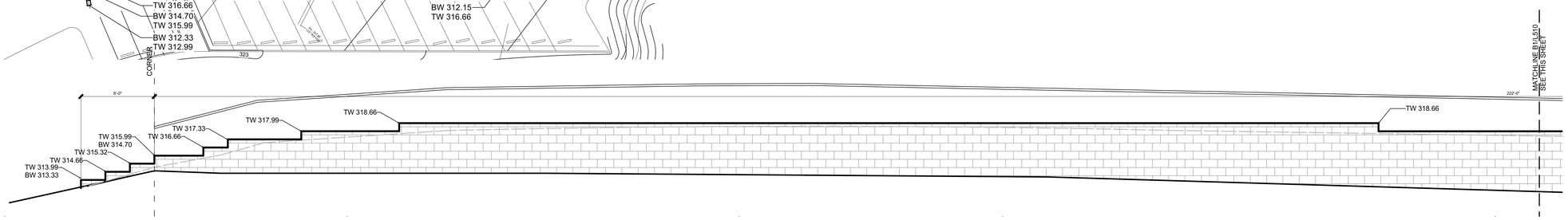
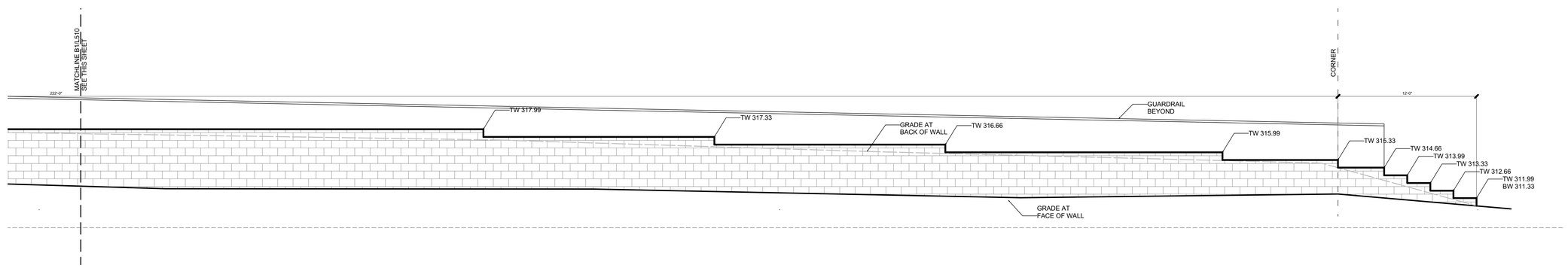
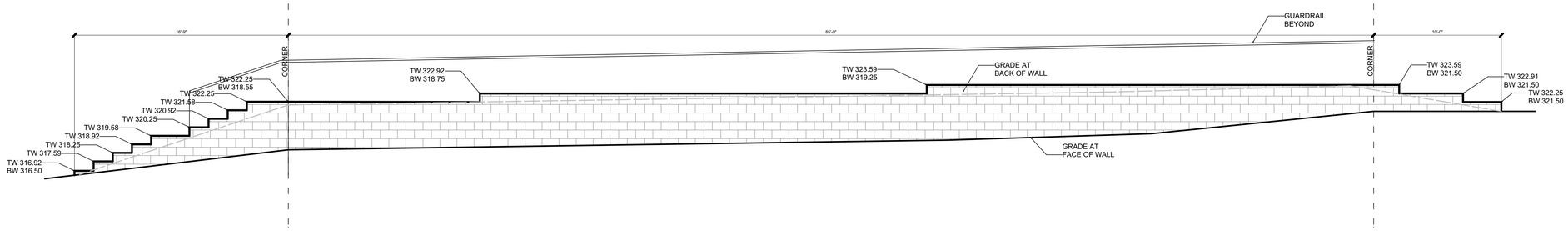


C1 EXTENDED WALL ELEVATION AT EAST PARKING LOT
Scale: 1/4" = 1'-0"



B1 EXTENDED WALL ELEVATION AT EAST PARKING LOT
Scale: 1/4" = 1'-0"



A1 EXTENDED WALL ELEVATION AT GO APE PARKING LOT
Scale: 1/4" = 1'-0"

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LANDSCAPE
WALL ELEVATIONS

L511

Section 5: Accessible Transfer System with Support Grab Rail Installation
500890

- Install Support Grab Rail by removing pipe covers on EZ Port MAX and securing the base of the support grab rail with four (4) bolts.
- Secure Transfer Bench with two (2) bolts into the tee-nuts on the EZ Dock dock section and two (2) lag bolts directly into EZ Dock couplers.
- After the transfer bench and support grab rail have been mounted the bench boards need to slid out to ensure that they are level and rest of the opposing bench tray support bar on the support grab handrail. The height of the bench can be adjusted (see figure 15) by loosening and sliding the bench unit up or down. Once the bench is in the desired position tighten the height adjustment nuts. The bench trays should slide out and rest on the grab support rail easily.

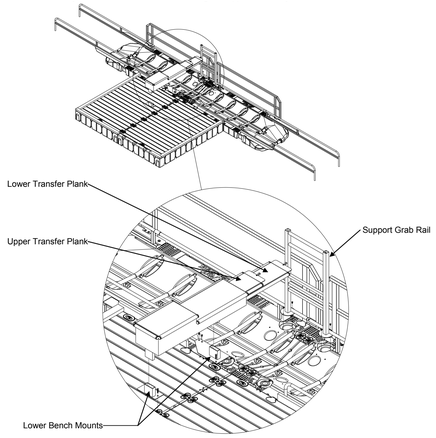


Figure 14

Section 5a: Accessible Transfer System Adjustments

The EZ Dock Accessible Transfer System has numerous way to adjust the height of the bench to satisfy virtually any application. The entire bench can adjust vertically by simply loosening two bolts (Figure 15). Figure 16 utilizes the upper transfer plank for taller freeboard watercrafts such as a canoe. Figure 17 utilizes the lower transfer plank for shorter freeboard watercrafts such as a kayak.

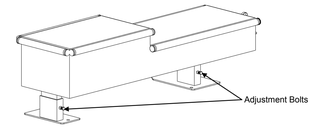


Figure 15

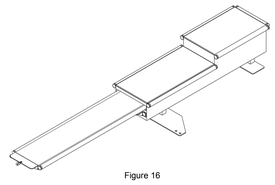


Figure 16

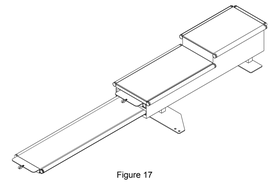
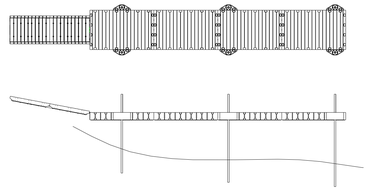


Figure 17

Pipe Anchoring

Pipe anchoring is our most popular type of anchoring using a small diameter pipe to provide the horizontal support necessary to keep the docks in place. The use of pipe will allow the docks to move up and down with most water fluctuations, and with little maintenance. This method of anchoring utilizes either a heavy-duty or a standard-duty pipe bracket that is typically used in most private and some light duty commercial installations. The size and number of pipe needed will be determined by conditions encountered.



Pipe is normally embedded or screwed into the soil bed until full resistance or to a minimum of 1/3 the water depth. Wave action should not exceed three feet, and water depths should not exceed 12 feet for the 250 series bracket or 18 feet for the 350 series bracket.

- Pipes can be used to secure an EZ Port. When pipes are used they must be sufficiently embedded or screwed into the lake, river or ocean bed to a depth of at least three feet. The pipes are to remain vertical and hold the EZ Port in the desired location.
- It is recommended to use pipe augers, except in rocky or shale bottoms, to make installation easier. Augers allow the pipe to be turned into the lake, river or ocean bed like a cork screw using a pipe wrench or by drilling the hole for the pipe and using a T-handle.
- Pipe diameter: Pipe brackets are available for two pipe sizes: 2-1/2" and 3-1/2". A 2" bracket is designed to use pipe that measures 2-1/2" in outside diameter, and a 3" bracket is designed to use pipe that measures 3-1/2". The installation process is the same for either pipe size.
- In salt water or brackish water conditions it is recommended that the steel pipe be sleeved with PVC pipe. The steel pipe will need to fit inside the 2-1/2" or 3-1/2" pvc/pipe. This will help prevent abrasion and wear on the pipe bracket, prevent rust and improve appearance.

Determine the length and size of pipe needed and bracket locations.

Section 4: Barrier Handrail Assembly Overview (Optional)

The barrier handrailing is available for use with the EZ Launch access rails. There is a left (500906L) and a right (500906R) rail. Right rail is shown in Figure 8.

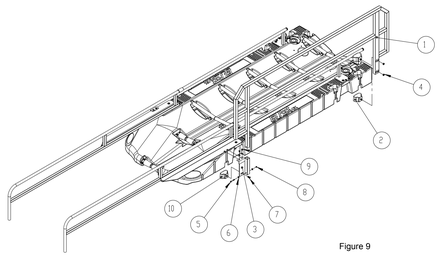
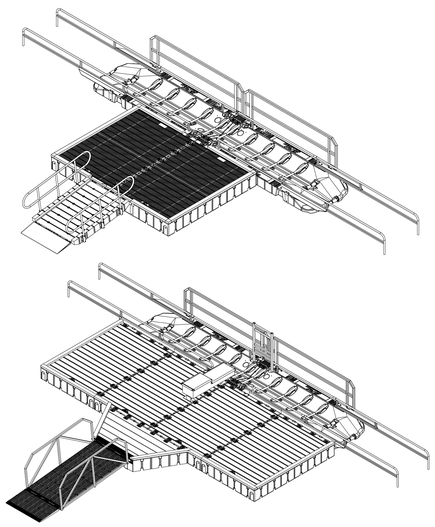


Figure 9

Item Number	Quantity	Part Number	Description
10	1	S21141SS	HARDWARE CONNECTOR, FEMALE WITH NUT SS
9	8	80575SS	BOLT 5/16-18 X 3/4 TRUSS HD 18-8 SS
8	1		3/8-16 LOCKNUT
7	2		5/8-11 FLAT HEAD SCREW
6	4		3/8" FLAT WASHER
5	1		3/8-16 X 2 3/4" BOLT
4	2	80850SS	NUT 5/8-11 LOCK, SELF LOCKING 18-8 SS
3	1	S50907R	BARRIER HANDRAILING RIGHT
2	2	S21140SS	CONNECTOR HARDWARE W/SS
1	1	S50904R	BARRIER HANDRAILING RIGHT

Section 6: Sample Installations

Reference the EZ Dock Floating Dock Installation Manual and/or www.ez-dock.com for other installation details and anchorage. Please adhere to all recommendations and cautionary suggestions appearing in these manuals and always follow the instructions based on the needs of your installation and site requirements.



1 [Drawing Title]
Scale: 1" = 1'-0"

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KEY MAP

NO.	REVISION	DATE

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100% CONSTRUCTION DOCUMENTS

PROJECT NO:
DATE: MARCH 21, 2025
DRAWN: MH, YL, SZ
CHECKED: TW

SHEET TITLE:

KAYAK LAUNCH

L512

Pipe Brackets

EZ Dock pipe brackets are available in standard-duty or heavy-duty models. Each type of bracket is capable of using the recommended pipe based on your need:

- For 250 series brackets- 2-3/8" OD 10 gauge SCH 40 galvanized pipe (referenced as 2" pipe)
- For 350 series brackets- 3-1/2" OD 8 gauge SCH 40 galvanized pipe (referenced as 3" pipe)

Generally pipe brackets are used in pairs and spaced approximately 40' apart, but can vary depending on site condition and/or customers usage expectations

Standard-Duty Pipe Bracket (130251, 135250, 135350, 138250, 138350)

The standard-duty bracket is designed for residential use or to anchor EZ Port PVC lifts. For these pipe brackets to be used, wave height should not exceed 2 feet and water depths should be no greater than 8 feet for 2" pipe or 12 feet for 3" pipe. The standard-duty bracket is simple to install, connecting to a single set of pockets that may be placed anywhere around the perimeter of the dock. It is always best to locate at least one bracket near the shore end of the dock. The other brackets may be placed along the sides or at the ends of the dock.

A one piece bracket is also available for the standard dock sections and the low profile sections. This bracket uses the standard coupler connections, and carries the same wave action specifications that the two piece brackets have.

(135250 shown)

(210350 shown)

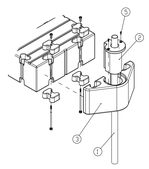
Heavy-Duty Pipe Bracket (210250, 210350, 215250, 215350)

The heavy-duty pipe bracket is designed for residential and light commercial applications which must allow docks to adjust to changing water levels. For these pipe brackets to be used, wave height should not exceed 3 feet, and water depths should be no greater than 12 feet for 2" pipe or 18 feet for 3" pipe. It is always best to locate at least one bracket near the shore end of the dock. The remaining brackets may be placed along the sides or at the end of the dock. You never want to span a seam restricting the movement of the dock. Two sets of pockets are required to connect the bracket to the dock. The brackets are also available with a replaceable sleeve.

(215250 shown)

Heavy-Duty Pipe Bracket Installation (210250 and 210350)

Tools Required:
Ratchet
15/16" socket
Coupler drive socket
Hammer
#4 Phillips Screwdriver

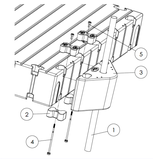


1. Slide the insert over the top of the pipe to be installed.
2. Align the pipe next to the dock where it will be attached. It should be placed so that the sleeve is centered between two pockets. Auger or drive the pipe into the bottom until it will stand by itself. The pipe will still need to be adjusted for proper positioning and fully driven in Step 6.
3. Slide the sleeve inserts up the pipe far enough so that the main frame can be brought around the pipe and into position against the dock.
4. Attach the polyethylene main frame to the dock using a standard coupler set. Refer to coupler installation instructions.
5. Slide the insert sleeve down the pipe and into the polyethylene main frame, adjusting pipe location if necessary. Secure the insert sleeve with the two 5/16" (80514SS) bolts.
6. Finish driving or screwing the pipe into the bottom so that it is solidly in place. The minimum depth of the pipe is three feet.

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	N/A	ANCHORAGE PIPE
2	1	10004	POLYETHYLENE PIPE INSERT
3	1	10015	POLYETHYLENE MAIN FRAME
5	2	80514SS	BOLT 5/16" SS

Heavy-Duty Pipe Bracket Installation, Non-insert (215250 and 215350)

Tools Required:
Ratchet
15/16" socket
Coupler drive socket
In-water installation tool
Hammer



1. Slide the polyethylene pipe bracket over the top of the pipe to be installed.
2. Install the top and bottom couplers as described on Page 8.
3. Align the pipe next to the dock where it will be attached. The pipe should be placed so that it is centered with a pocket.
4. Install pipe as referenced on Page 9.

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	N/A	ANCHORAGE PIPE
2	4	315010	COUPLER
3	1	10015/10016	POLYETHYLENE MAIN FRAME
4	2	21103	COUPLER BOLT
5	2	22003	COUPLER NUT

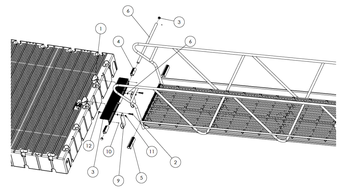
Float-to-Hinge Kit Installation

Tools Required:

Ratchet and socket set
Electric drill
Screwdrivers (Phillips and standard)
15/16" or 24mm socket
1/2" or 13mm socket
Pry-bar (small and large)
Hammer (rubber mallet)

1. Insert hardware connectors in the top pockets of the dock and place carriage bolts in back of angle slide facing out.
2. Place angle slide over hardware connecters and loosely tighten middle hex bolt. Insert hinge inserts on angle slide and aluminum gangway and secure with self-tap screws. Then screw in remaining hex bolts into hardware connecters.
3. Place J-hook in lower dock pocket, then align and secure J-hook over the carriage bolt with hex nut.
4. Insert universal plugs into both end of hinge pin then align gangway and float-to-hinge kit and insert hinge pin and secure with self-tap screws.

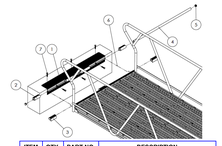
ITEM	QTY.	PART NO.	DESCRIPTION
1	3	S21141SS	FEMALE HARDWARE CONNECTOR
2	3	80581SS	BOLT 5/8"-11 X 2" HEX CAP 18-8 SS
3	1	H40448	HINGE TO GANGWAY ANGLE SLIDE AL
4	2	H40404	HINGE INSERT SMALL
5	5	H40409	HINGE INSERT LARGE
6	1	H40460	HINGE PIN 56.75"
7	2	S9000	UNIVERSAL PLUG
8	6	S40014	SELF-TAP ALUMINUM SCREW
9	2	H40449	HANGER J-HOOK
10	2	82001	1/2" ID WASHER SS
11	2	110061	1/2" HEX NUT SS
12	2	80385	CARRIAGE BOLT 1/2"-13 X 1"



Shoreline Abutment Kit Installation

Tools Required:

Ratchet and socket set
Electric drill (hammer drill for concrete)
Screwdrivers (Phillips and standard)
Pry-bar (small and large)
Hammer (rubber mallet)
Drill bits (masonry bits for concrete)
Wrenches



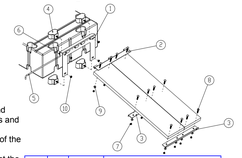
1. Attach angle slide to shoreline bulkhead with lag bolts.
2. Insert proper hinge inserts on the angle slide and the aluminum gangway and secure with self-tap screws.
3. Insert universal plugs into both end of hinge pin then align gangway and abutment kit and insert hinge pin.
4. Secure the hinge pin with self-tapping screws at the ends. This prevents the pin from sliding out.

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	H40448	HINGE TO GANGWAY ANGLE SLIDE AL
2	5	H40404	HINGE INSERT SMALL
3	2	H40409	HINGE INSERT LARGE
4	1	H40460	HINGE PIN 56.75"
5	2	S9000	UNIVERSAL PLUG
6	6	S40014	SELF-TAP ALUMINUM SCREW
7	6	N/A	LAG BOLT

Wooden Gangplank or Polyethylene Plank Mounting Kit Installation

Tools Required:

Ratchet
5/8", 3/4", and 15/16" Socket
Hammer



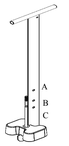
1. Cut all the planks to equal lengths.
2. Lay the planks side by side as they will be when assembled.
3. Place the hinge-to-plank bracket, shore-end stiffener, and middle stiffener on the planks and mark the holes for bolt locations.
4. Drill 1/2" holes through the planks at each of the locations marked in Step 3.
5. Attach the stiffeners at the shore end and at the mid-point as shown using the carriage bolts, washers, and nuts provided.
6. Attach the hinge-to-float bracket to the dock section by fully threading the 5/8" lock nuts onto the hardware connectors. Care should be taken to not over-tighten the nuts.
7. Align the sleeves of the hinge-to-plank Bracket on the gangplank and the hinge-to-float bracket on the dock side then slide the hinge pin through all the sleeves. Secure the hinge pin with the hinge pin clip.

ITEM	QTY.	PART NO.	DESCRIPTION
1	1	S10241	24" HINGE TO FLOAT BRACKET
2	1	S10242	HINGE TO PLANK BRACKET
3	2	S10248	GANG PLANK STIFFENER
4	4	S21140SS	HARDWARE CONNECTOR 5/8" MALE
5	1	S10244SS	HINGE ROD
6	1	80011	HITCH CLIP PIN
7	12	80119YZ	NUT 1/2"-13 HEX
8	12	81212YZ	1/2"-13 X 2 1/4" CARRIAGE BOLT
9	12	80012	FLAT WASHER
10	4	80580SS	NUT 5/8" SELF LOCKING

Coupler Installation (301100, 315100)

Helpful Hint: To make assembly and disassembling easier, rub a bar of hand soap on the coupler rods to lubricate them.

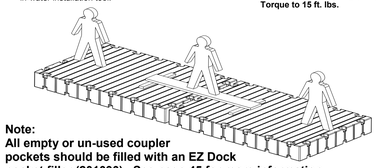
1. Insert the composite coupler bolt into coupler.
2. Align the mark on the head of the bolt so the splines line up into the notched pockets in the coupler.
3. Using a hammer, seat the bolt into the coupler.
4. Install coupler onto the in-water installation tool as shown at right.
5. Align dock sections so coupler pockets are adjacent to each other, and using the in-water installation tool, insert the coupler and bolt assembly into the bottom pocket with the bolt pointing upward.



Indicator Hole A: Standard EZ Dock
Indicator Hole B: Port Max
Indicator Hole C: Low Pro EZ Dock

6. Pull up on the in-water installation tool to seat the bottom coupler. (NOTE: The dock sections must be sitting level on the water and at the same elevation for the coupler to properly seat into the bottom pocket. Sometimes it is helpful to ballast the opposing ends of dock sections to keep the adjoining ends from dipping. This can be done by having someone stand on the opposite ends of each dock section, or by standing on an elevated beam or board (as shown) placed perpendicular to the dock section to span the seam being connected. When coupling seams together, it is recommended to start at the center of the seam and work to the edges.
7. See Page 8 for more information to install couplers using the in-water installation tool.

DO NOT OVER TIGHTEN THE NUT!
Torque to 15 ft. lbs.



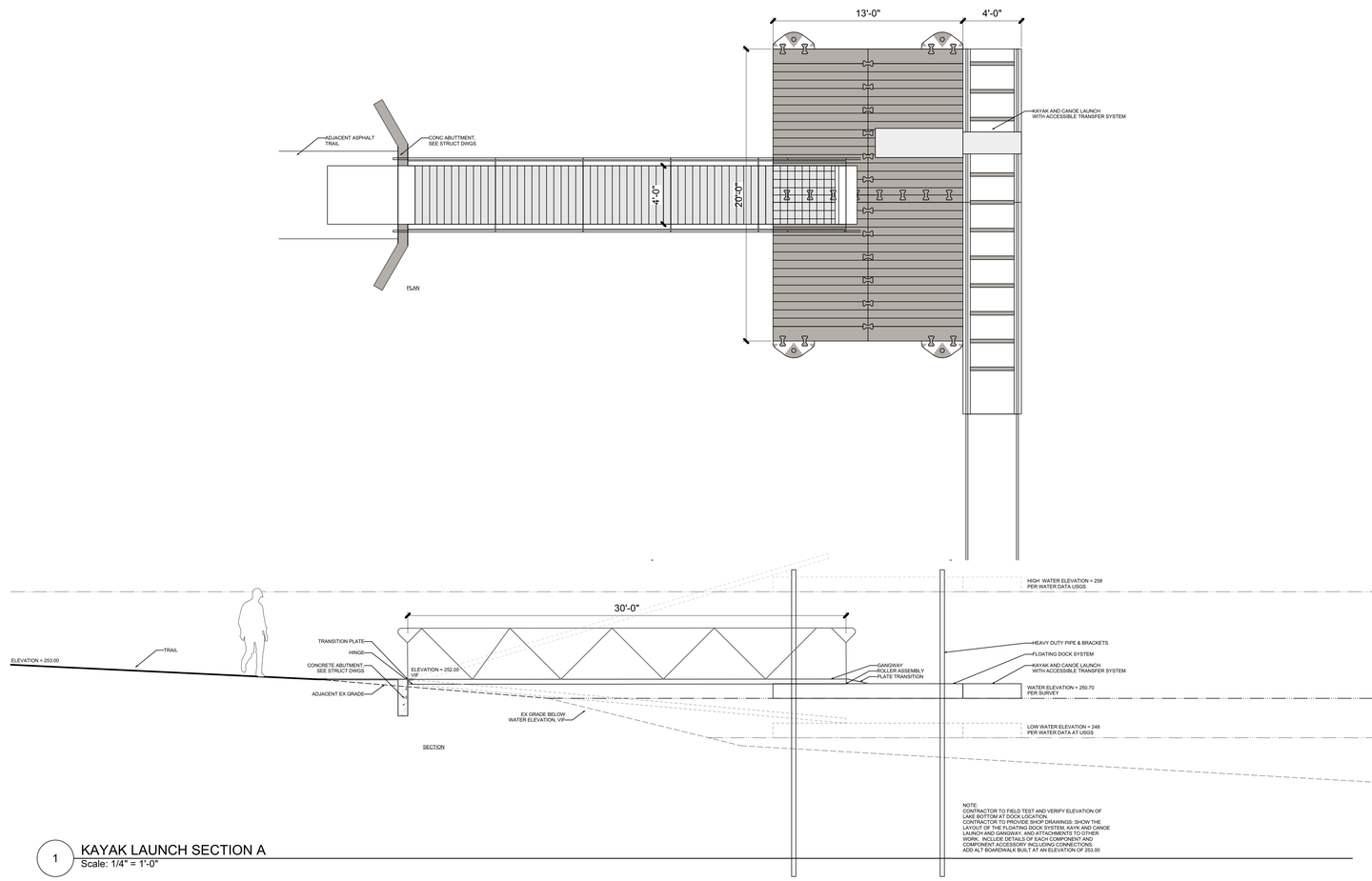
Note:
All empty or un-used coupler pockets should be filled with an EZ Dock pocket filler (201030). See page 45 for more information.

⚠ DANGER

Drowning Hazard

Swimming under and/or attempting to breathe in cavities under EZ Dock docks and ports while performing in-water installation of docks, ports and couplers can result in accidental drowning and death.

Do not attempt in-water installation without EZ Dock in-water coupler installation tools.



NOTE:
CONTRACTOR TO FIELD TEST AND VERIFY ELEVATION OF LAKE BOTTOM AT DOCK LOCATION.
CONTRACTOR TO PROVIDE SHOP DRAWINGS: SHOW THE LAYOUT OF THE FLOATING DOCK SYSTEM, KAYK AND CANOE LAUNCH, ACCESSIBLE TRANSFER SYSTEM AND RAMP WORK. INCLUDE DETAILS OF EACH COMPONENT AND COMPONENT ACCESSORY INCLUDING CONNECTIONS.
ADD ALT BOARDWALK BUILT AT AN ELEVATION OF 253.00

1 KAYAK LAUNCH SECTION A
Scale: 1/4" = 1'-0"

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KAYAK LAUNCH

L513