



ADDENDUM NO. 1 (ONE)

Issue Date:	June 9, 2025
School / Facility Name:	University High School
Project Name:	Extend Parent Loop
Owner's Project No.:	2548185

Owner:	School Board of Volusia County Florida 200 N. Clara Avenue, DeLand Florida 32720
Owner's Project Manager:	Tim Moore
Project Manager's Location:	3750 Olson Drive, Daytona Beach Florida 32124

Architect's Representative:	Ben Buencamino
Architect's Project No.:	2400653

The following modifications shall be incorporated to the previously distributed construction documents. Any questions regarding these modifications should be directed to the project architect or engineer for consideration.

The Drawings and Specifications are hereby modified as follows:

CONSTRUCTION PLANS

I. G001 COVER SHEET

- A. Add Electrical Plan Sheets

II. C101 DIMENSION, AND STRIPING PLAN

- A. Add Chilled Water Main and call-out
- B. Adjust north portion of driveway loop
- C. Add "MAINTENANCE OF TRAFFIC" note.

III. ADD: E001, E100, E101, E200 and E300

SPECIFICATIONS

- A. Table of Contents:
 - REMOVE: Section 625
- B. Index of Drawings
 - ADD: E001, E100, E101, E200, and E300



CPH Consulting, LLC
1117 E. Robinson Street
Orlando, Florida 32801
(407)425-0452
www.cphengineers.com

ATTACHMENTS

- A. Plan Sheets G001, C101, E001, E100, E200, E300
- B. Project Manual – Table of Contents, Index of Drawings.

END OF ADDENDUM



TABLE OF CONTENTS

SCHOOL BOARD OF VOLUSIA COUNTY FLORIDA

Facility Name: UNIVERSITY HIGH SCHOOL
Project Name: EXTEND PARENT LOOP
VCS Project No.: 2548185

All references herein that conflict with processes, procedures, or other terms outlined in the Owner contracts, as associated with this Project, the Owner contracts shall take precedence.

<u>TITLE</u>	<u>NO. OF PAGES</u>
Cover Page	1
Table of Contents	2
Index of Drawings	1

DIVISION 0

BIDDING REQUIREMENTS, CONTRACT FORMS, CONDITIONS OF THE CONTRACT AND FORMS

<u>DOC. NO.</u>	<u>TITLE</u>	<u>NO. OF PAGES</u>
630	Advertisement for Bid	1
631	Instructions to Bidders	5
632	Bid Form	1
A310	Bid Bond Form (AIA Doc)	2
633	List of Subcontractors	1
634	Bidder Project Data Self-Performed Portions of Work	2
635	Trench Safety Act Form	1
636	Bid Protest Bond Form	2
A101-2017	Standard Form of Agreement (Standard Bid)	9
A101-2017	Exhibit A - Insurance and Bonds (Standard Bid)	8
A201-2017	General Conditions of the Contract (Standard Bid)	53
① 625	N/A	7
639	Contractor E-Verify Affidavit	1
640	Performance and Payment Bond	2
641	Contractor's Direct Material Purchase Affidavit	1
642	Contractor Acknowledgment Form (Asbestos Survey)	1
G702	Application and Certification for Payment (AIA Doc)	1
G703	Application and Certification for Payment – Continuation Sheet (AIA Doc)	1
655	Partial Receipt and Release	1
G707A	Consent of Surety to Reduction in or Partial Release of Retainage (AIA Doc)	1
G707	Consent of Surety to Final Payment (AIA Doc)	1
661	Contractor Affidavit	1
662	Receipt and Release	1

Note:

Project \$100,000 or more, utilize the A101-2017 Standard Form of Agreement, A101-2017 Exhibit A and the A201-2017 General Conditions of the Contract (Standard Bid); project is less than \$100,000 utilize the 625 Standard Form of Agreement (Proposals).

Specific documents listed above may not apply to this particular project. Select "N/A" for document(s) which do not apply to this project. **Required: consult the Owner's Construction Project Manager in charge to make this determination.**



INDEX OF DRAWINGS

SCHOOL BOARD OF VOLUSIA COUNTY FLORIDA

Facility Name: UNIVERSITY HIGH SCHOOL
Project Name: EXTEND PARENT LOOP
VCS Project No.: 2548185

Complete Index of Drawings information including division headings, page numbers and page titles below:

G001 COVER SHEET

G002 GENERAL NOTES

C100 DEMOLITION PLAN

C101 DIMENSION AND STRIPING PLAN

C102 DRAINAGE AND GRADING PLAN

C500 GENERAL NOTES AND DETAILS

E001 ELECTRICAL GENERAL NOTES

E100 ELECTRICAL DEMOLITION PLAN

E101 ELECTRICAL CONSTRUCTION PLAN

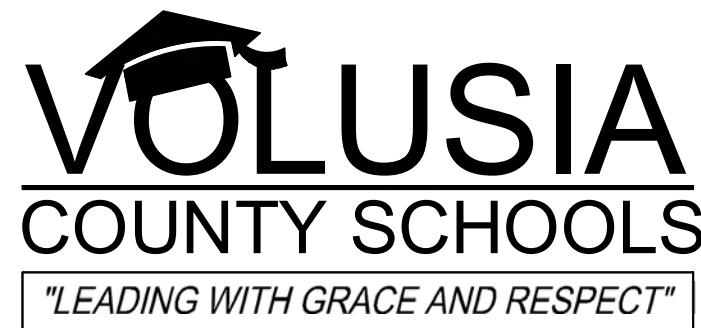
E200 PHOTOMETRIC SITE PLAN

E300 ELECTRICAL SCHEDULES AND DETAILS

V0.1 COVER SHEET

V1.1 TOPOGRAPHIC SURVEY

V1.2 TOPOGRAPHIC SURVEY



THE SCHOOL BOARD OF VOLUSIA
COUNTY FLORIDA
200 North Clara Avenue
DeLand, Florida 32720

UNIVERSITY HIGH SCHOOL EXTEND PARENT LOOP

VCS Project NO. 2548185

1000 RHODE ISLAND AVE., ORANGE CITY, VOLUSIA COUNTY,
FLORIDA 32763

SCHOOL BOARD MEMBERS

JAMIE HAYNES
RUBEN COLON
DONNA BROSEMER
KRIATA GOODRICH
JESSICA THOMPSON

CARMEN J. BALGOBIN

BOARD CHAIR
BOARD VICE CHAIR
MEMBER
MEMBER
MEMBER

SUPERINTENDENT



ALLEN C. LANE, JR., P.E.
FL. REG. NO. 60144

DESCRIPTION OF WORK

PARENT LOOP EXTENSION AND
MISCELLANEOUS LIGHTING AND SITE
IMPROVEMENTS

Architect's Statement of Compliance
To the best of my knowledge, these drawings and the project manual are complete and comply with
the Florida Building Code.

BUILDING DATA

LOCATION MAP



NOT TO SCALE

ENGINEERS & CONSULTANTS

ENGINEER
CPH CONSULTING, INC.
1117 E. ROBINSON STREET
ORLANDO, FLORIDA 32801
(407) 425-0452
BEN BUENACAMINO
bbuenacamino@cphcorp.com
WWW.CPHCORP.COM



SURVEYOR
CPH CONSULTING, INC.
500 WEST FULTON STREET
SANFORD, FLORIDA 32771
(407)322-6841
THOMAS GALLOWAY, P.L.S.
tgalloway@cphcorp.com
WWW.CPHCORP.COM



INDEX OF DRAWINGS

- G001 COVER SHEET
- G002 GENERAL NOTES
- C100 DEMOLITION PLAN
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- E300 ELECTRICAL SCHEDULES & DETAILS
- V0.1 COVER SHEET
- V1.1 TOPOGRAPHIC SURVEY
- V1.2 TOPOGRAPHIC SURVEY



CONSTRUCTION DOCUMENTS 02.07.25

REVISIONS

REVISIONS	DOCUMENT HISTORY	ADDENDUM 1
1	02.07.25	

UNIVERSITY HIGH SCHOOL
EXTEND PARENT LOOP
VCS Project NO. 2548185
1000 W. RHODE ISLAND AVE., ORANGE CITY FL 32763

Engineer Allen C. Lane, Jr., P.E.		ARCHIVER OF RECORD
DESIGNED BY BCB	DRAWN BY BCB	
ISSUE DATE 02.07.25	AE PROJECT NUMBER 2400653	
SHEET TITLE COVER SHEET		
DRAWING NO. G001		

GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH CODES AND LOCAL STANDARDS.
2. CONTRACTOR SHALL CALL ALL UTILITIES TO MARK EXISTING UNDERGROUND LINES PRIOR TO START OF ANY AND ALL SITE WORK.
3. THE DRAWINGS ARE DIAGRAMMATIC AND THE OMISSION OF AN ITEM NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THAT ITEM.
4. NOTIFY CIVIL/ ENGINEER OF ANY IN FIELD CONFLICTS WITH DRAWINGS PRIOR TO PURCHASING EQUIPMENT AND PRIOR TO ANY DIGGING.
5. UNDERGROUND CONDUIT IS TO BE A MINIMUM OF 24" BELOW GRADE. ALL EXISTING UTILITIES SHALL GOVERN AND NEW WORK IS TO COORDINATE AND AVOID UTILITY.
6. METAL SURFACES ARE TO BE GROUNDED.
7. SHADED LINE-TYPE INDICATES EXISTING AND HIGHLIGHTED LINE

ABBREVIATIONS

MARK	DESCRIPTION		
ABV	ABOVE	kW	KILOWATT
AFF	TYPE INDICATES NEW WORK TO BE DONE. ABOVE FINISHED FLOOR	kVA	KILOVOLT-AMPERE
ACL	ACROSS THE LINE	KO	KNOCKOUT
AC	ALTERNATING CURRENT	LED	LIGHT EMITTING DIODE
A	AMPERE	LTG	LIGHTING
AMP	AMPERE	LV	LOW VOLTAGE
AIC	AMPERES INTERRUPTING CAPACITY	MFR	MANUFACTURER
BR	BRANCH	MTD	MOUNTED
BKR	BREAKER	NEC	NATIONAL ELECTRICAL CODE
CAB	CABINET	NC	NORMALLY CLOSED
C.B.	CIRCUIT BREAKER	NO	NORMALLY OPENED
CCT	CIRCUIT	NIC	NOT IN CONTRACT
C	CONDUIT	NTS	NOT TO SCALE
CONT	CONTINUOUS	OCPD	OVERCURRENT PROTECTION DEVICE
CP	CONTROL PANEL	PNL	PANEL
Cu	COPPER	PH	PHASE
CT	CURRENT TRANSFORMER	PWR	POWER
Hz	HERTZ (CYCLES/SECOND)	PB	PULL BOX
DED	DEDICATED CIRCUIT	RT	RAINTIGHT
DS	DISCONNECT SWITCH	RECEP	RECEPTACLE
ELEC	ELECTRIC	RC	REMOTE CONTROL
ETR	EXISTING TO REMAIN	R	RELOCATED
EQ	EQUIPMENT	SEC	SECONDARY
EX	EXISTING	SP	SINGLE POLE
FUT	FUTURE	SPD	SURGE PROTECTION DEVICE
GRD, G	GROUND	SPEC	SPECIFICATION
GFI	GROUND FAULT INTERRUPTER	SS	STAINLESS STEEL
HV	HIGH VOLTAGE	UNO	UNLESS NOTED OTHERWISE
IC	INTERRUPTING CAPACITY	V	VOLT
		VA	VOLT-AMPERE
		WT	WATERTIGHT
		W	WATT
		WP	WEATHERPROOF

ELECTRICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	EXISTING LUMINAIRE AND POLE - SQUARES INDICATE NUMBER OF LUMINAIRES
	NEW LUMINAIRE AND POLE - SQUARES INDICATE NUMBER OF LUMINAIRES
	NEW LUMINAIRE ON EXISTING POLE-SQUARES INDICATE NUMBER OF LUMINAIRES
	IN-GRADE JUNCTION BOX
	METAL JUNCTION BOX
	CONDUIT - SOLID LINE INDICATES EQUIPMENT ON COMMON CIRCUIT AND/OR CONTROLLED BY COMMON SWITCH. EACH CIRCUIT SHALL CONSIST OF A PHASE CONDUCTOR, NEUTRAL AND GROUND. ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY CONNECTIONS FOR A FULLY OPERABLE SYSTEM.
	UNDERGROUND CONDUIT AND CONDUCTOR.
	CIRCUIT HOMERUN.

ELECTRICAL DRAWING INDEX

SHEET	DESCRIPTION
E001	ELECTRICAL GENERAL NOTES
E100	ELECTRICAL DEMOLITION SITE PLAN
E101	ELECTRICAL CONSTRUCTION PLAN
E200	PHOTOMETRIC SITE PLAN
E300	ELECTRICAL SCHEDULES & DETAILS

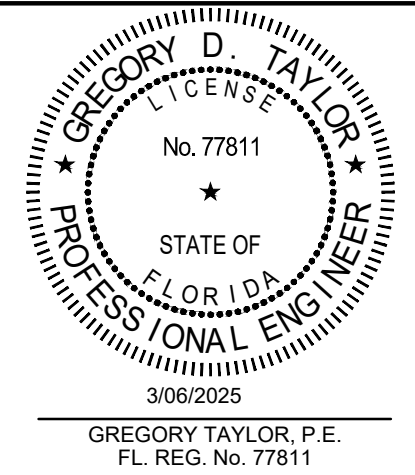


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1117 East Robinson Street
Orlando, FL 32801
Ph: 407.425.0452

Plans Prepared By
CPH, LLC
A Full Service A & E Firm
State of Florida Licenses:
Engineer No. 32115
Surveyor No. LB7143
Architect No. AA35000926
Landscape No. LC000238



GREGORY D. TAYLOR, P.E.
FL. REG. No. 77811

REVISIONS

DOCUMENT HISTORY
ADDENDUM No. 1

UNIVERSITY HIGH SCHOOL
EXTEND PARENT LOOP

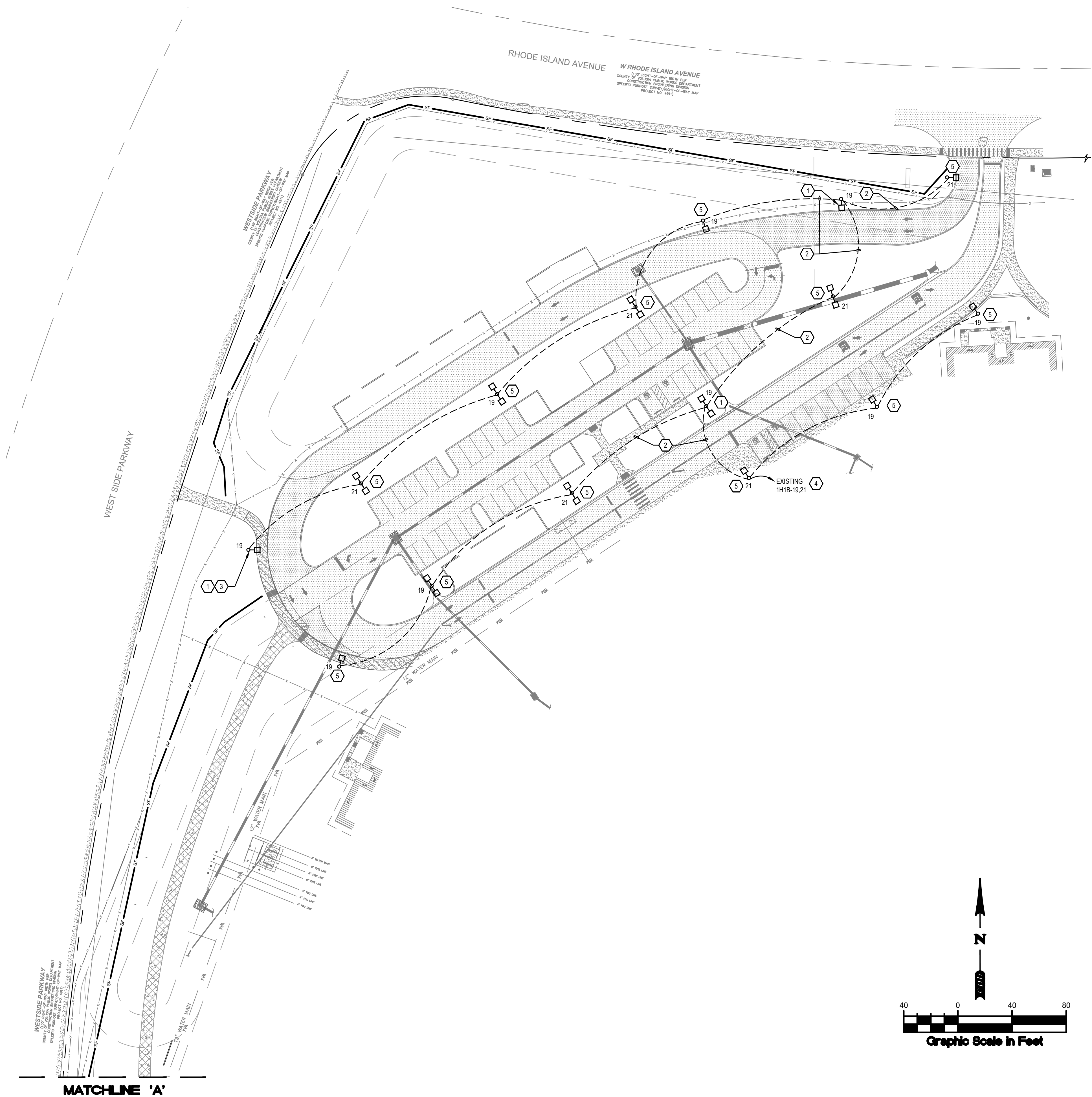
VCS Project NO. 2548185

1000 W. RHODE ISLAND AVE., ORANGE CITY FL 32763

Gregory D. Taylor, P.E.

DESIGNED BY GT	DRAWN BY EP
ISSUE DATE JAN. 2025	AE PROJECT NUMBER 2400653
SHEET TITLE ELECTRICAL GENERAL NOTES	

DRAWING NO.
E001



DEMOLITION GENERAL NOTES

1. DEVICES SHOWN ON THE DEMO PLAN ARE EXISTING. REFER TO SYMBOL LEGEND FOR DEVICE DESCRIPTION.
2. EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. FIELD CONDITIONS SHALL GOVERN.
3. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES WITHIN THE PROJECT AREA. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THIS PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
4. EXISTING UNDERGROUND CONDUITS SERVING LIGHT POLES, THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL CONDUITS, NEW OR EXISTING, WITHIN THE PROJECT AREA ARE PROPERLY SUPPORTED AND PROVIDED W/ BONDING BUSHINGS IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
5. ITEMS REMOVED UNDER THIS PROJECT SHALL BE DISPOSED OF OR TURNED OVER TO THE OWNER AT THE OWNER'S DISCRETION.
6. THIS CONTRACTOR SHALL PROVIDE ELECTRICAL FOR PHASING WORK AS REQUIRED OR DIRECTED BY THE CIVIL ENGINEER. TEMPORARY ELECTRICAL SERVICES (POWER, LIGHTING, ETC.)
7. EXISTING PANEL AND CIRCUITING SHALL BE TRACED AND VERIFIED BEFORE START OF WORK.
8. CONTRACTOR IS RESPONSIBLE FOR PROVIDING UTILITY LOCATES BEFORE COMMENCING WORK. COORDINATE ELECTRICAL CONDUIT ROUTING AND EQUIPMNET WITH OTHER UTILITIES.

KEY NOTES

- 1 REMOVE DIRECT-BURIED LIGHT POLE WITH PULL BOX AND LUMINAIRE. DEMO POLE WITH PULL BOX AND TURN LUMINAIRE OVER TO OWNER
- 2 REMOVE CONDUCTORS. REMOVE CONDUIT BELOW PROPOSED ROADWAY, CAP AND ABANDON CONDUIT BELOW GRADE IN LANDSCAPE AREAS.
- 3 REPLACE LIGHT POLE WITH 13'X24" IN-GRADE JUNCTION BOX AND RECONNECT CONDUCTORS - SEE CONSTRUCTION PLAN KEYNOTE 3.
- 4 EXISTING MULTIWIRE BRANCH CIRCUIT VIA EXISTING LIGHTING CONTACTORS SUCH THAT ONE CIRCUIT IS ON FROM DUSK TO DAWN AND THE OTHER CIRCUIT IS ON AT DUSK AND TURNS OFF AT A PRESET TIME. SEE CONSTRUCTION PLAN KEYNOTE 4.
- 5 REMOVE LUMINAIRE(S) AND TURN OVER TO OWNER. POLE TO REMAIN FOR INSTALLATION OF NEW LUMINAIRE(S).

cph
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1117 East Robinson Street
Orlando, FL 32801
Ph: 407.425.0452
Plans Prepared By
CPH, LLC
A Full Service A & E Firm
State of Florida License:
Engineer No. 32115
Surveyor No. L81143
Architect No. AA35000926
Landscape No. LC000238

GREGORY D. TAYLOR
No. 77811
STATE OF FLORIDA
PROFESSIONAL ENGINEER
3/06/2025
GREGORY TAYLOR, P.E.
FL REG. No. 77811

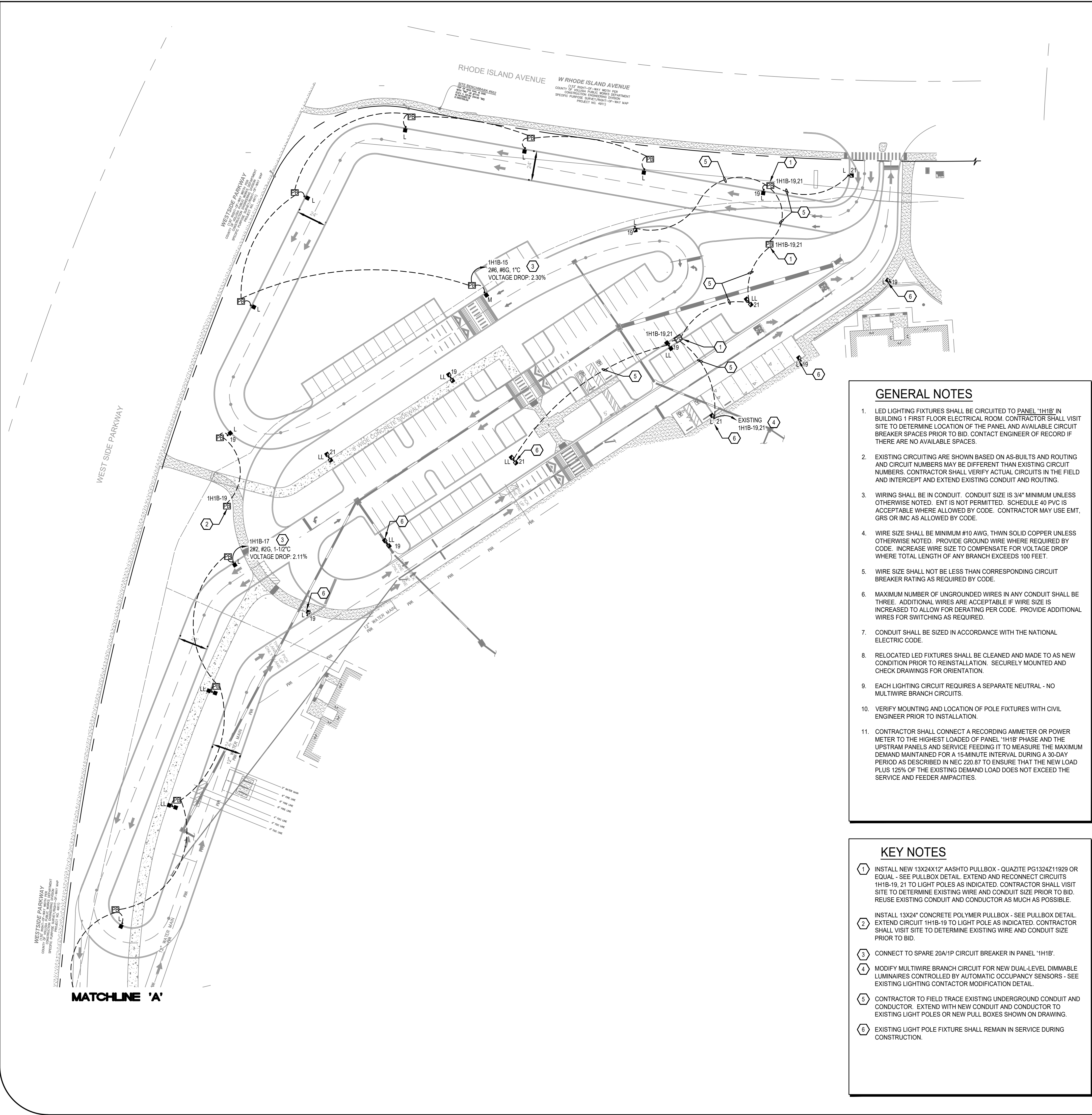
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DOCUMENT HISTORY
06.09.25 ADDENDUM No. 1

UNIVERSITY HIGH SCHOOL
EXTEND PARENT LOOP
VCS Project NO. 2548185
1000 W. RHODE ISLAND AVE., ORANGE CITY FL 32763

ARCHVENGOR OF RECORD Gregory D. Taylor, P.E.	
DESIGNED BY GT	DRAWN BY EP
ISSUE DATE JAN. 2025	AE PROJECT NUMBER 2400653
SHEET TITLE ELECTRICAL DEMOLITION PLAN	
DRAWING NO. E100	

Always call 811 two full business days before you dig to have underground utilities located and marked.
Sunshine811.com



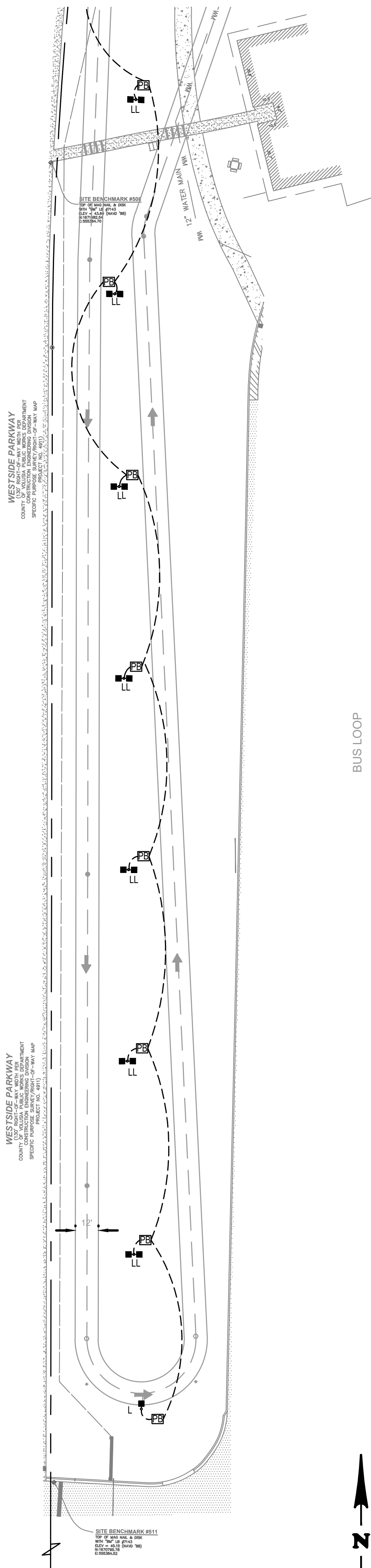
GENERAL NOTES

- LED LIGHTING FIXTURES SHALL BE CIRCUITED TO PANEL '1H1B' IN BUILDING 1 FIRST FLOOR ELECTRICAL ROOM. CONTRACTOR SHALL VISIT SITE TO DETERMINE LOCATION OF THE PANEL AND AVAILABLE CIRCUIT BREAKER SPACES PRIOR TO BID. CONTACT ENGINEER OF RECORD IF THERE ARE NO AVAILABLE SPACES.
- EXISTING CIRCUITING ARE SHOWN BASED ON AS-BUILTS AND ROUTING AND CIRCUIT NUMBERS MAY BE DIFFERENT THAN EXISTING CIRCUIT NUMBERS. CONTRACTOR SHALL VERIFY ACTUAL CIRCUITS IN THE FIELD AND INTERCEPT AND EXTEND EXISTING CONDUIT AND ROUTING.
- WIRING SHALL BE IN CONDUIT. CONDUIT SIZE IS 3/4" MINIMUM UNLESS OTHERWISE NOTED. ENT IS NOT PERMITTED. SCHEDULE 40 PVC IS ACCEPTABLE WHERE ALLOWED BY CODE. CONTRACTOR MAY USE EMT, GRS OR IMC AS ALLOWED BY CODE.
- WIRE SIZE SHALL BE MINIMUM #10 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
- WIRE SIZE SHALL NOT BE LESS THAN CORRESPONDING CIRCUIT BREAKER RATING AS REQUIRED BY CODE.
- MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED.
- CONDUIT SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- RELOCATED LED FIXTURES SHALL BE CLEANED AND MADE TO AS NEW CONDITION PRIOR TO REINSTALLATION. SECURELY MOUNTED AND CHECK DRAWINGS FOR ORIENTATION.
- EACH LIGHTING CIRCUIT REQUIRES A SEPARATE NEUTRAL - NO MULTI-WIRE BRANCH CIRCUITS.
- VERIFY MOUNTING AND LOCATION OF POLE FIXTURES WITH CIVIL ENGINEER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL CONNECT A RECORDING AMMETER OR POWER METER TO THE HIGHEST LOADED OF PANEL '1H1B' PHASE AND THE UPSTREAM PANELS AND SERVICE FEEDING IT TO MEASURE THE MAXIMUM DEMAND MAINTAINED FOR A 15-MINUTE INTERVAL DURING A 30-DAY PERIOD AS DESCRIBED IN NEC 220.87 TO ENSURE THAT THE NEW LOAD PLUS 125% OF THE EXISTING DEMAND LOAD DOES NOT EXCEED THE SERVICE AND FEEDER AMPACITIES.

KEY NOTES

- INSTALL NEW 13X24X1/2" AASHTO PULLBOX - QUAZITE PG1324Z11929 OR EQUAL - SEE PULLBOX DETAIL. EXTEND AND RECONNECT CIRCUITS 1H1B-19, 21 TO LIGHT POLES AS INDICATED. CONTRACTOR SHALL VISIT SITE TO DETERMINE EXISTING WIRE AND CONDUIT SIZE PRIOR TO BID. REUSE EXISTING CONDUIT AND CONDUCTOR AS MUCH AS POSSIBLE.
- INSTALL 13X24" CONCRETE POLYMER PULLBOX - SEE PULLBOX DETAIL. EXTEND CIRCUIT 1H1B-19 TO LIGHT POLE AS INDICATED. CONTRACTOR SHALL VISIT SITE TO DETERMINE EXISTING WIRE AND CONDUIT SIZE PRIOR TO BID.
- CONNECT TO SPARE 20A/1P CIRCUIT BREAKER IN PANEL '1H1B'.
- MODIFY MULTI-WIRE BRANCH CIRCUIT FOR NEW DUAL-LEVEL DIMMABLE LUMINAIRES CONTROLLED BY AUTOMATIC OCCUPANCY SENSORS - SEE EXISTING LIGHTING CONTACTOR MODIFICATION DETAIL.
- CONTRACTOR TO FIELD TRACE EXISTING UNDERGROUND CONDUIT AND CONDUCTOR. EXTEND WITH NEW CONDUIT AND CONDUCTOR TO EXISTING LIGHT POLES OR NEW PULL BOXES SHOWN ON DRAWING.
- EXISTING LIGHT POLE FIXTURE SHALL REMAIN IN SERVICE DURING CONSTRUCTION.

MATCHLINE 'A'



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Graphic Scale in Feet

40 0 40 80

North Arrow

cph

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STATE OF FLORIDA

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3/06/2025

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REVISIONS

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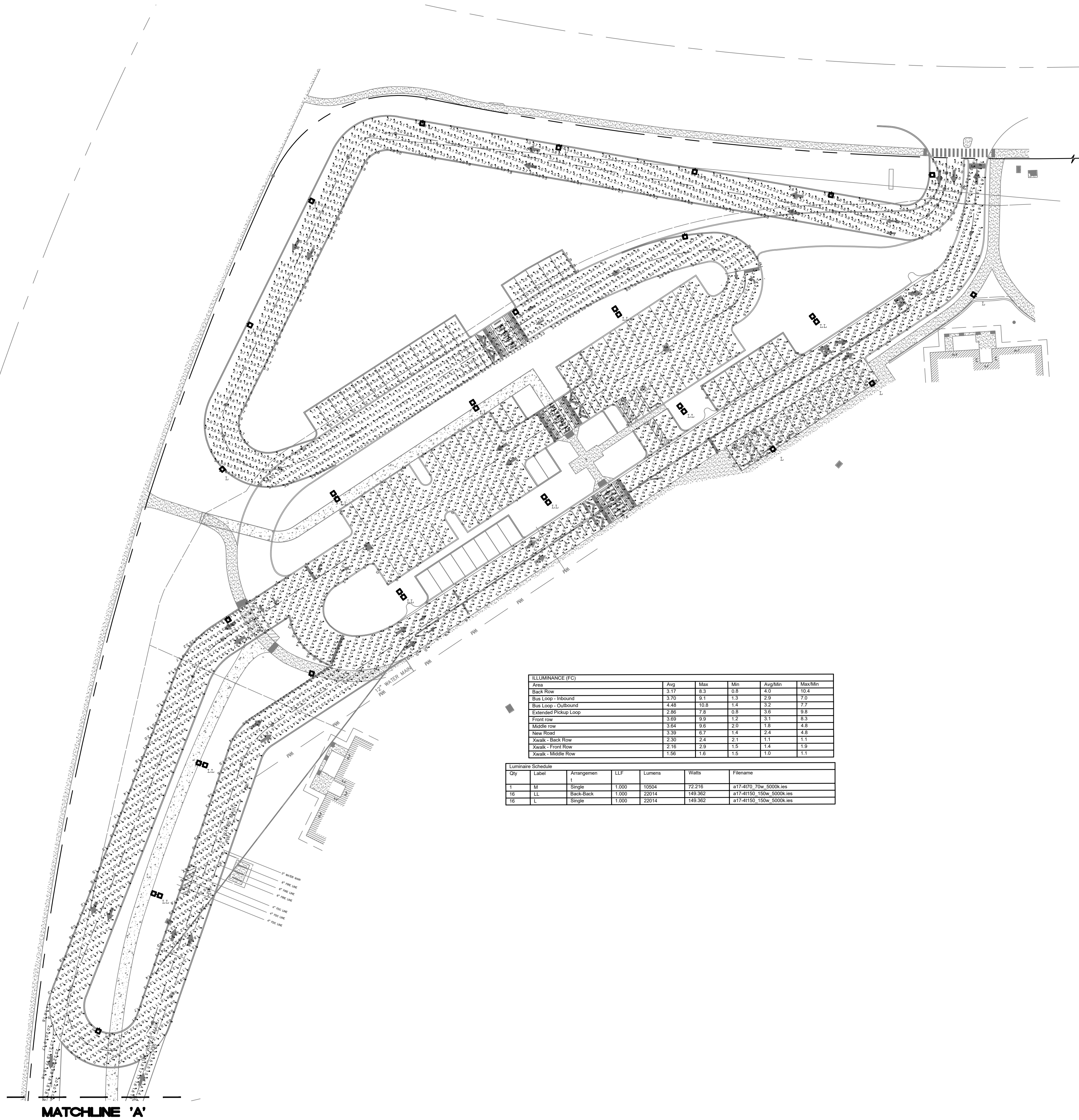
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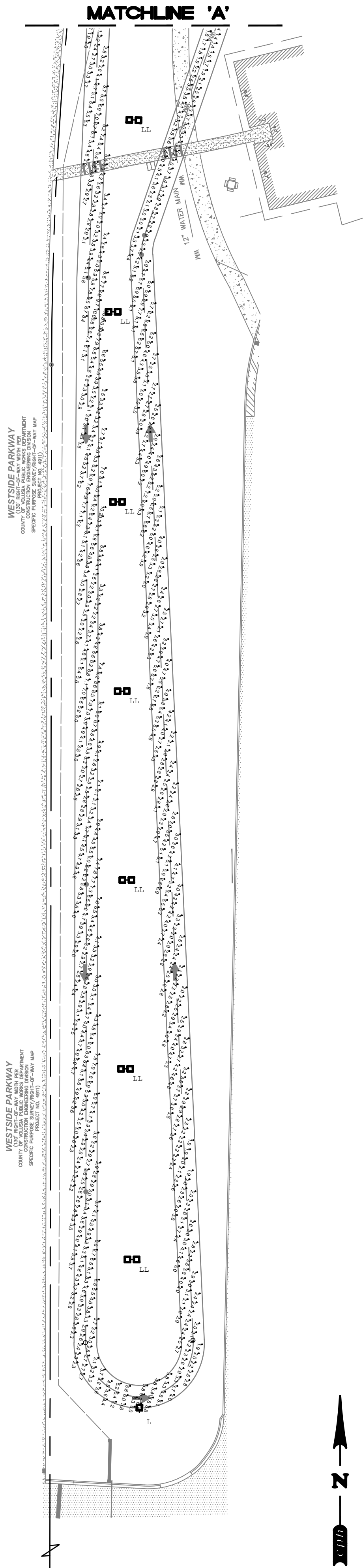
ARCHITECT OF RECORD
Gregory D. Taylor, P.E.

DESIGNED BY GT	DRAWN BY EP
ISSUE DATE JAN. 2025	AE PROJECT NUMBER 2400653
SHEET TITLE ELECTRICAL CONSTRUCTION PLAN	
DRAWING NO. E101	



ILLUMINANCE (FC)					
Area	Avg	Max	Min	Avg/Min	Max/Min
Back Row	3.17	8.3	0.8	4.0	10.4
Bus Loop - Inbound	3.76	8.1	1.3	2.9	7.0
Bus Loop - Outbound	4.48	10.8	1.4	3.2	7.7
Extended Pickup Loop	2.88	7.8	0.8	3.8	9.8
Front row	3.69	9.9	1.2	3.1	8.3
Middle row	3.64	9.8	2.0	1.8	4.8
New Road	3.39	6.7	1.4	2.4	4.8
Xwalk - Back Row	2.30	2.4	2.1	1.1	1.1
Xwalk - Front Row	2.18	2.3	1.8	1.4	1.8
Xwalk - Middle Row	1.58	1.8	1.3	1.0	1.1

Luminaire Schedule					
Qty	Label	Arrangement	LLF	Lumens	Watts
1	M	Single	1.000	15504	72.216
18	LL	Back-Back	1.000	22014	149.382
18	L	Single	1.000	22014	149.382



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VCS Project NO. 2548185
1000 W. RHODE ISLAND AVE., ORANGE CITY FL 32763

Gregory D. Taylor, P.E. ARCHITECT OF RECORD

DESIGNED BY GT	DRAWN BY EP
ISSUE DATE JAN. 2025	AE PROJECT NUMBER 2400653

SHEET TITLE
PHOTOMETRIC
SITE PLAN

DRAWING NO.
E200

