

**CITY OF GREENVILLE
RECREATION AND PARKS
WILDWOOD PARK PARTF IMPROVEMENTS**

Addendum No. 2

SUBJECT: ADDENDUM NO. 2

March 14, 2023

To Plans and Specifications for
City of Greenville
Recreation and Parks
Wildwood Park PARTF Improvements

To: PROSPECTIVE BIDDERS AND OTHER CONCERNED

This ADDENDUM forms a part of the Contract Documents and modifies the original Bidding Documents as noted below. Bidders shall acknowledge receipt of the ADDENDUM in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.

A. Plan Changes:

1. A1, revision 1 dated 3/12/24
2. A4, revision 1 dated 3/12/24
3. S101, added dated 3/12/24
4. S102, added dates 3/12/24

B. Pre-Bid Meeting Minutes:

5. Attached is a copy of the meeting minutes from the Pre-Bid Meeting Minutes held on Tuesday, March 12, 2024 at 10 am.

FOR THE OWNER
THE EAST GROUP, PA

END OF DOCUMENT

March 14, 2024

Project No. 20230059



Pre-Bid Conference Minutes

City of Greenville, NC
Wildwood Park Welcome Center, 3450 Blue Heron Drive, Greenville, NC
Recreation and Parks Wildwood Park PARTF Improvements
TEG Project Number: 20230059

Tuesday, March 12, 2024, 10:00 am

Corporate Office

324 Evans St
Greenville
NC 27858
Tel 252.758.3746
Fax 252.830.3954

Raleigh Office

4325 Lake Boone Trail
Suite 311
Raleigh
NC 27607
Tel 919.784.9330
Fax 919.784.9331

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1. Sign-In, See attached

2. Introductions

- a) Mark Nottingham, City Projects & Development Manager, Recreation and Parks
- b) Mike Watson, Project Coordinator, Recreation and Parks
- c) Leo Vanbuuren, The East Group; Project Manager
- d) Myriah Shewchuk, PLA, The East Group; Project Manager / Landscape Architect
- e) Todd Tripp, PE, The East Group; Senior Civil Engineer
- f) Kristy Wood, The East Group; Senior Project Administrator
- g) Adam Cardin, Timeless Properties Construction
- h) Mathew Chappell, Farrior & Sons

3. Contractual Requirements

- a) The successful bidders will enter into a contract with The City of Greenville NC.
- b) Any questions regarding the project must be received in TEG office before **5:00 pm (EST), Friday, March 15, 2024**. All questions must be in writing and submitted to leo.vanbuuren@eastgroup.com. Responses to questions will be distributed to all plan holders and plan rooms via addenda by **3:00 pm (EST), Tuesday, March 19, 2024**.
- c) Minutes of this meeting and any addenda that may result in changes will be sent to all attendees and plan holders by e-mail. Please make sure you sign the attendance roster and provide the correct information.

Bid Opening Location/Time: Bids for the construction of the Project will be received at the **City of Greenville Recreation and Parks Jaycee Park Administration Building** located at **2000 Cedar Lane, Greenville, NC**, until **April 3, 2024** at **3:00 PM** local time. At that time the Bids received will be “publicly” opened and read.

Late bids will not be accepted.

- d) Product substitutions must be approved by the designer and owner 10 days prior to submitting bid.
- e) The bonds required for this project are 1. Bid, 2. Performance & Payment.
- f) A bid bond in the amount of 5% of the bid is required to be submitted with your bid.
- g) Payment Applications – EJCD C-620

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- h) MBE Minority and Women Business Enterprise Plan Special Provisions.
 - i) Affidavit A (Listing of Good Faith Efforts)
 - ii) or Affidavit B (Intent to Preform Contract with Own Workforce)
- i) Certification of Insurance (See Supplemental Conditions), Article 6 on Page 8-13,
- j) Provide all documentation with your bid. Provide two original copies of all bid documents.
 - i) Form of Proposal
 - ii) Form of Construction Contract
 - iii) Form of Bid Bond
 - iv) MBE – Identification of HUB Certified / Minority Business Participation Form
(Provide this form even if the total number on the bottom of the form is “0”.)
 - v) MBE – Provide either
 - (1) Affidavit ‘A’ - Listing of Good Faith Efforts
 - (2) Affidavit ‘B’ - Intent to Perform Contract with Own Work Force.

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4. Construction Requirements

- a) Expected Notice to Proceed date: by April 25, 2024.
- b) Substantial Completion: 120 days, Ready for Final payment: 150 days after the contract times commence to run
- c) Liquidated damages: \$500-per day.
- d) It will be the contractor’s responsibility to find a lay down area for materials. The contractor shall have this area approved by the Engineer/Owner. Depending on how large an area is required a lay down area adjacent to the construction site may be available.
- e) Contractor is responsible for job-site safety. Contractor must comply with all OSHA regulations.
- f) Work hours – Sunup to Sundown

5. Overview of Project

- a) Bids to include all necessary labor, material (including sales tax), equipment, supervision, etc.
- b) Base bid scope includes:

The project is the Wildwood Park PARTF Improvements

- i) **The Wildwood Park PARTF Improvements project includes improvements at the northern portion of the property south of Old Pactolus Road, west of Blue Heron Drive, north of the lake, and east of the newly constructed BMX track. Improvements include a new drive to the site from Blue Heron Drive, a new gravel parking lot with ADA parking, a new restroom structure with associated deck, steps, ramps and an observation deck, trails and associated amenities, bike racks with wash out and repair stations, extended BMX trail and drainage improvements. Utilities include an expansion of the existing septic system, force main, water, and electrical. A playground challenge course and zip lines, play equipment to be installed by playground vendor.**

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c) Alternates include:

Lump Sum Bid Price for Base Bid	\$
Alternate 1 Add - Pathway Bollards and Associated Electrical	\$
Alternate 2 Add - Additional Parking Spaces	\$
Alternate 3 Add - Add-substitute Composite Decking Equal to Trex Select Series for Deck, Ramps and Steps for bathroom	\$
Alternate 4 Add - Pressure Treated Timber Observation Deck and Handrails	\$
Alternate 4-A Add-Substitute Composite Decking Equal to Trex Select Series for Observation Deck	\$
Alternate 5 Add - Bike Racks, Wash, and Repair Stations	\$
Alternate 6 Add - Extend Trail and Drainage Improvements to BMX	\$
Alternate 7 Add - Driveway Connection to Old Pactolus Rd.	\$

d) Unit Prices include:

- i) Unclassified excavation (disposal off site)
- ii) Off-Site Select Borrow Fill (installed)
- iii) #57 or #67 Stone (installed)

6. Schedule and Site Logistics

- i) The project has will be completed in a single phase.
- ii) Construction Access is provided to the project area
- iii) Schedule

(1) Construction shall be conducted during the Spring and Summer months of 2024.

7. Submittals

- a) Submittals will be required. PDFs copies will be allowed.

8. Drawing Review

9. Other / Miscellaneous

- a) Note that Exhibits A-J are located in the Project Manual after Section 01770.

10. Questions & Answers

- a) Will GC be responsible for foundations of playground equipment.
 - i) No, Playground installer responsible
- b) Playground area; GC responsible for Compacted Fill, Underground drainage and Fine grading prior to Play Ground supplier/installer arriving on site
- c) Alternate 5, GC responsible for wood border
- d) Septic field final permit, will need GC and Subcontractors info to finalize submittal
- e) City of Greenville to cover permit costs
- f) City of Greenville to cover tap fees

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g) City of Greenville to cover GUC electrical install of area lights, main feeds and transformers

11. Tour of Project Site (complete after the meeting)

END

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RECREATION AND PARKS

PRE-BID MEETING SIGN-IN SHEET
 City of Greenville, North Carolina
 Recreation and Parks Department

Project Name:	Wildwood Park PARTF Project	Project No.	
Location:	Wildwood Park	3450 Blue Heron Dr, Greenville, NC	Date: Tue, March 12, 2024, 10am

Contractor Name	Contact Information
Adam Cardin Timeless Properties Construction	910 - 617 - 0807 adam@timelesspropertiescc.com
Matthew Chappell Farrior & Sons	252 - 753 - 2005 Matthew@farriorandsons.com
CRISTY WOOD TEG	

Certified by: Mark Nottingham
 Mark Nottingham, Parks Planner



WILDWOOD PARK PART I IMPROVEMENTS

TEG PROJECT NO. 20230059

ISSUE FOR CONSTRUCTION

MARCH 1, 2024

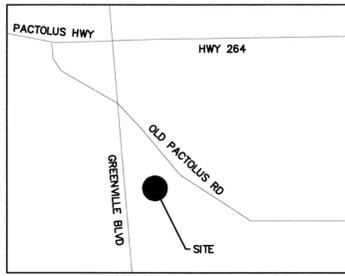
REVISED MARCH 14, 2024



DRAWING INDEX

TITLE/GENERAL	SITE -- CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE	SITE -- ELECTRICAL	BUILDING -- ARCHITECTURE
CO.0 COVER	L0.0 COMPOSITE PLAN L0.1 DEMOLITION, TREE PROTECTION, PLAN (WEST) L0.2 DEMOLITION, TREE PROTECTION, PLAN (EAST) L1.0 SITE PLAN (WEST) L1.1 SITE PLAN (EAST) L1.2 LAYOUT PLAN (WEST) L1.3 LAYOUT PLAN (EAST) L2.0 GRADING, DRAINAGE & EC PLAN (WEST) L2.1 GRADING, DRAINAGE & EC PLAN (EAST) L2.2 GRADING & DRAINAGE ENLARGEMENT L2.3 NCG01 CONSTRUCTION SEQUENCE, GRADING & EC NOTES L2.4 NCG01 SELF-INSPECTION, RECORDKEEPING & REPORTING L2.5 NCG01 GROUND STABILIZATION & MATERIALS HANDLING L2.6 TREE PROTECTION, EC AND DRAINAGE DETAILS L4.0 PLANTING PLAN (WEST) L4.1 PLANTING PLAN (EAST) L5.0 ALTERNATES L6.0 SITE DETAILS C3.0 COMPOSITE UTILITY PLAN C3.1 SEPTIC FIELD PLAN (FORCE MAIN) C3.2 UTILITY DETAILS (FORCE MAIN) C3.3 UTILITY DETAILS (WATER)	E0.1 ELECTRICAL LEAD SHEET E1.1 ELECTRICAL SITE POWER & LIGHTING PLAN E1.2 ELECTRICAL PANEL SCHEDULES, ONE LINE DIAGRAM & DETAILS E1.3 ELECTRICAL DETAILS E1.4 ELECTRICAL EQUIPMENT RACK & DETAILS	BSC1 BUILDING CODE SUMMARY A1 FLOOR PLAN & SCHEDULES A2 REFLECTED CEILING PLAN & ROOF PLAN A3 EXTERIOR ELEVATIONS A4 SECTIONS BUILDING -- PLUMBING, MECHANICAL & ELECTRICAL P101 WASTE PLAN AND RISER DETAILS P102 WATER PLAN & SCHEDULES, NOTES M101 MECHANICAL PLAN E101 POWER PLAN E102 LIGHTING PLAN BUILDING -- STRUCTURAL S101 FOUNDATION PLAN, PLAN LEGEND, PLAN NOTES, SECTIONS & DETAILS S102 ROOF FRAMING PLAN--TOILET BLDG., PLAN LEGEND, PLAN NOTES, SECTIONS & DETAILS

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VICINITY

OWNER / DEVELOPER
CITY OF GREENVILLE RECREATION & PARKS
PO BOX 7207
GREENVILLE, NC 27858
CONTACT: MARK NOTTINGHAM, PARKS PLANNER
252-329-4242
mnottingham@greenvillenc.gov



SITE DATA	
(a) TOTAL AREA IN SITE	101.36 ACRES
(b) TOTAL AREA DISTURBED	3.9 AC. (166,767 SF)
(c) CURRENT ZONING	CH
LAND USE CLASSIFICATION	
(d) SUBDIVISION NAME, BLOCK & LOT	N/A
TAX MAP AND PARCEL NUMBER	86710
STREET ADDRESS	
(e) ACREAGE IN COMMON AREA	N/A
(f) ACREAGE IN RECREATION AREA	N/A
(g) TOTAL NUMBER OF UNITS / BEDROOMS	N/A
(h) GROSS FLOOR AREA	192.50 SF
(i) BUILDING LOT COVERAGE (EXISTING FOR ENTIRE SITE)	29,342 SF
BUILDING LOT COVERAGE (EXISTING FOR PROJECT LIMITS)	0 SF
BUILDING LOT COVERAGE (PROPOSED RESTROOM)	192.50 SF
(j) BUILDING HEIGHT (FEET & STORIES)	12 FT / 1 STORY
(k) TOTAL NUMBER OF PARKING SPACES REQUIRED FOR RECREATIONAL USE	40
TOTAL NUMBER OF PARKING SPACES (EXISTING GRAVEL)	0
TOTAL NUMBER OF PARKING SPACES PROVIDED	52
(l) TOTAL NUMBER OF ACCESSIBLE PARKING SPACES (EXISTING)	0
TOTAL NUMBER OF ACCESSIBLE PARKING SPACES (REQUIRED)	3
(m) TOTAL SQUARE FEET OF IMPERVIOUS AREA (EXISTING WITHIN LOD)	11,560 SF
TOTAL SQUARE FEET OF IMPERVIOUS AREA (PROPOSED WITHIN LOD)	43,565 SF

CITY OF GREENVILLE SITE PLAN APPROVAL	
DATE _____	
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as
Noted _____	
Zoning	Engineering
Surveyor/Floodplain	Inspections
Fire/Rescue	GUC Electric
GUC Water/Sewer	GUC Gas
NCDOT	Vegetation
Traffic Services	Notes
* Site plan approval ONLY. Engineer/Architect/Landscape Architect/Surveyor shall be responsible for adequacy of design, errors, omissions in the plans. All plans shall meet all specifications, standards and applicable regulations.	

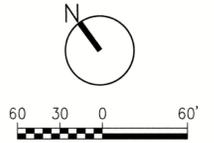
PARKING REQUIREMENTS PER ARTICLE O, CITY OF GREENVILLE, NC ZONING REGULATIONS.

COMMERCIAL RECREATION (OUTDOOR): 1 SPACE / 3 CUSTOMARY UNITS OF MEASUREMENT FOR THE PARTICULAR USE
 9,000 SF OF PLAY AREA
 PLUS 10 SPACES FOR WAITING = 40**
 PLUS 1 SPACE / EMPLOYEE = 0***
 40

** STANDARD SET BY NATURAL RESOURCE CENTER FOR HEALTH AND SAFETY IN CHILD CARE AND EARLY EDUCATION (NRC) SUGGESTS MAXIMUM PLAYGROUND OCCUPANCY RATE OF 1 CHILD / 75 SF.
 (HTTPS://NRCKIDS.ORG/CFDC/DATABASE/6)

*** 9,000 SF PLAY AREA / 75 SF = 120 UNITS
 120 UNITS / 3 = 40

*** WAIVED BASED UPON PUBLIC PLAYGROUND USE.



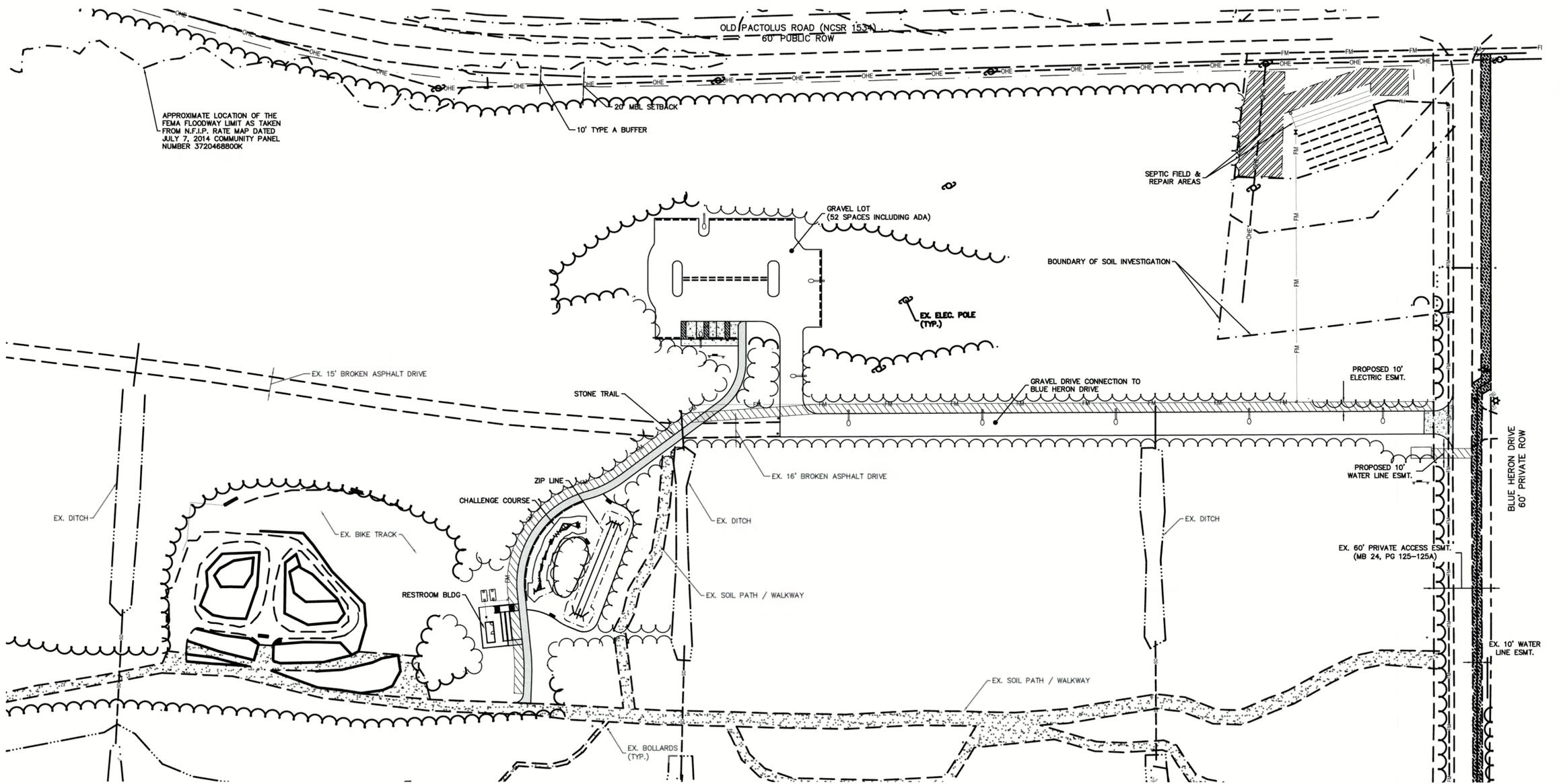
OVERALL LEGEND:

- ☆ EXISTING LIGHT POLE
- FM- EXISTING FORCE MAIN
- EXISTING UTILITY POLE
- ⊕ EXISTING WATER HYDRANT
- w- EXISTING WATER LINE
- M EXISTING WATER VALVE
- OHE- OVERHEAD ELECTRIC
- ▨ REVISED SEPTIC AREAS
- TEL TELEPHONE STRUCTURE
- T TRANSFORMER

STATE OF NORTH CAROLINA PITT COUNTY

I, WILLIAM B. HILLIARD, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; (DEED DESCRIPTION RECORDED IN BOOK _____ PAGE _____) THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE; WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS _____ DAY OF _____, 20__.

L - 4509



THE EAST GROUP

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Corporate Office
 324 Evans Street
 Greenville, NC 27858
 Tel: 252.758.3746
 Fax: 252.830.3954

Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel: 919.784.9330
 Fax: 919.784.9331

NC Engineering License No. C-0206
 NC Architectural License No. 50213
 NC Landscape Architectural License No. C-427



REV.	DATE	DESCRIPTION	BY	CHK	MS
0	03-01-24	ISSUE FOR CONSTRUCTION			

REG PROJECT NO: 20230059
 DATE: 12.21.23

Greenville NORTH CAROLINA

WILDWOOD PARK PART I IMPROVEMENTS

COMPOSITE PLAN

DRAWING NO: **LO.0**

EXISTING CONDITIONS / DEMOLITION LEGEND:

- ASW ASPHALT WALK
- CP CONCRETE PAD
- CSW CONCRETE SIDEWALK
- CONSTRUCTION LIMITS
- DI DROP INLET
- UE ELECTRIC
- EB ELECTRIC BOX
- EMH ELECTRICAL MANHOLE
- - - EXISTING CONTOUR
- EIS EXISTING IRON STAKE
- ▨ FEATURES TO BE REMOVED
- UG GAS
- GDW GRAVEL DRIVEWAY
- INV INVERT
- RCP REINFORCED CONCRETE PIPE
- SD STORM DRAIN
- TB TELEPHONE BOX
- UGT TELEPHONE/CABLE/FIBER OPTIC
- ▩ TREE CLEARING AREAS
- W WATER
- WV WATER VALVE
- YI YARD INLET

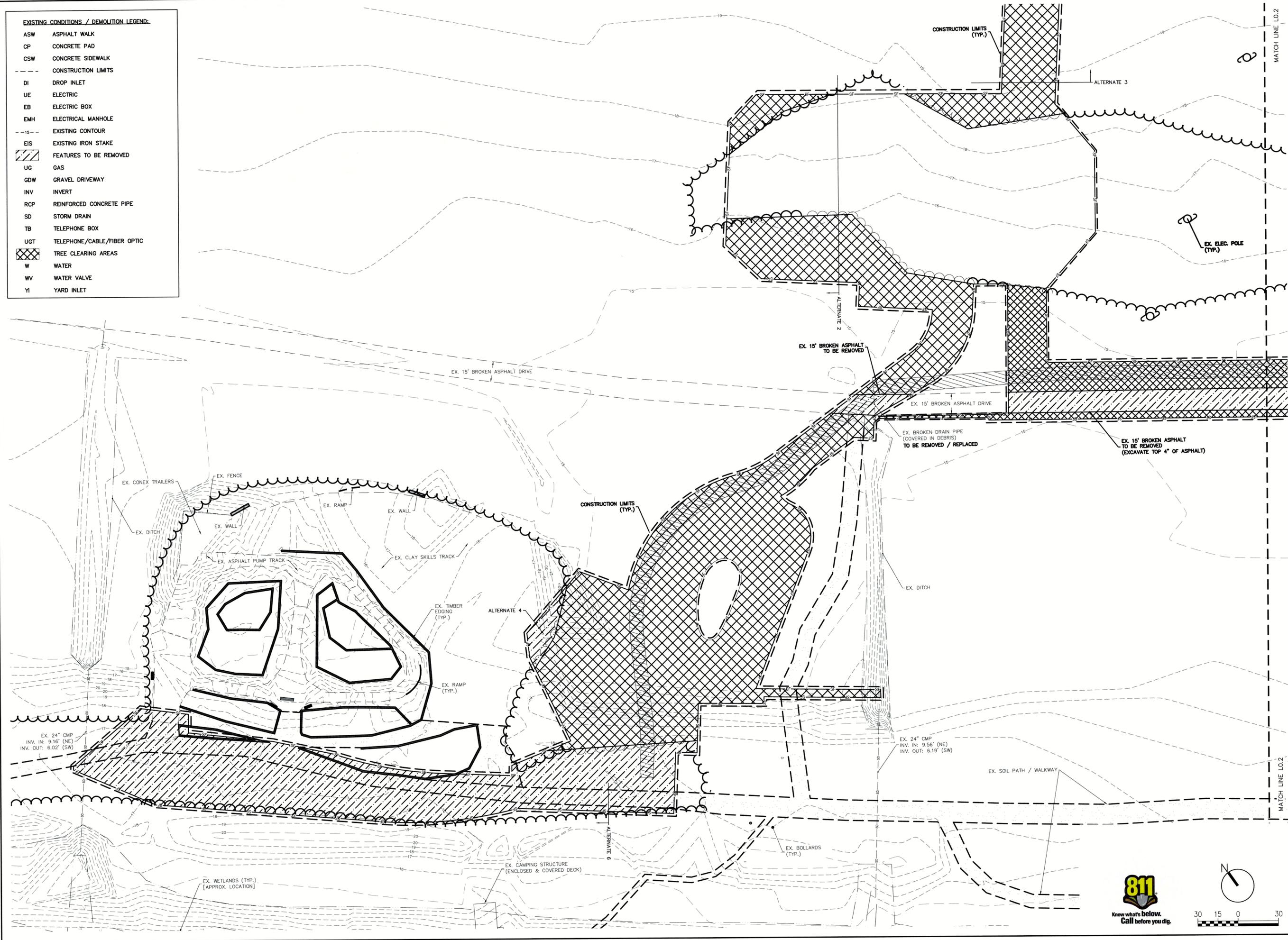


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 No. C-427



REV	DATE	DESCRIPTION
0	03-01-24	ISSUE FOR CONSTRUCTION

TGC PROJECT NO. 20230059

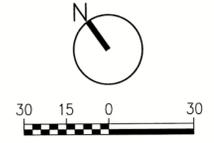
DATE: 12.21.23



WILDWOOD PARK PART I IMPROVEMENTS

EXISTING CONDITIONS, DEMOLITION, TREE PROTECTION (WEST)

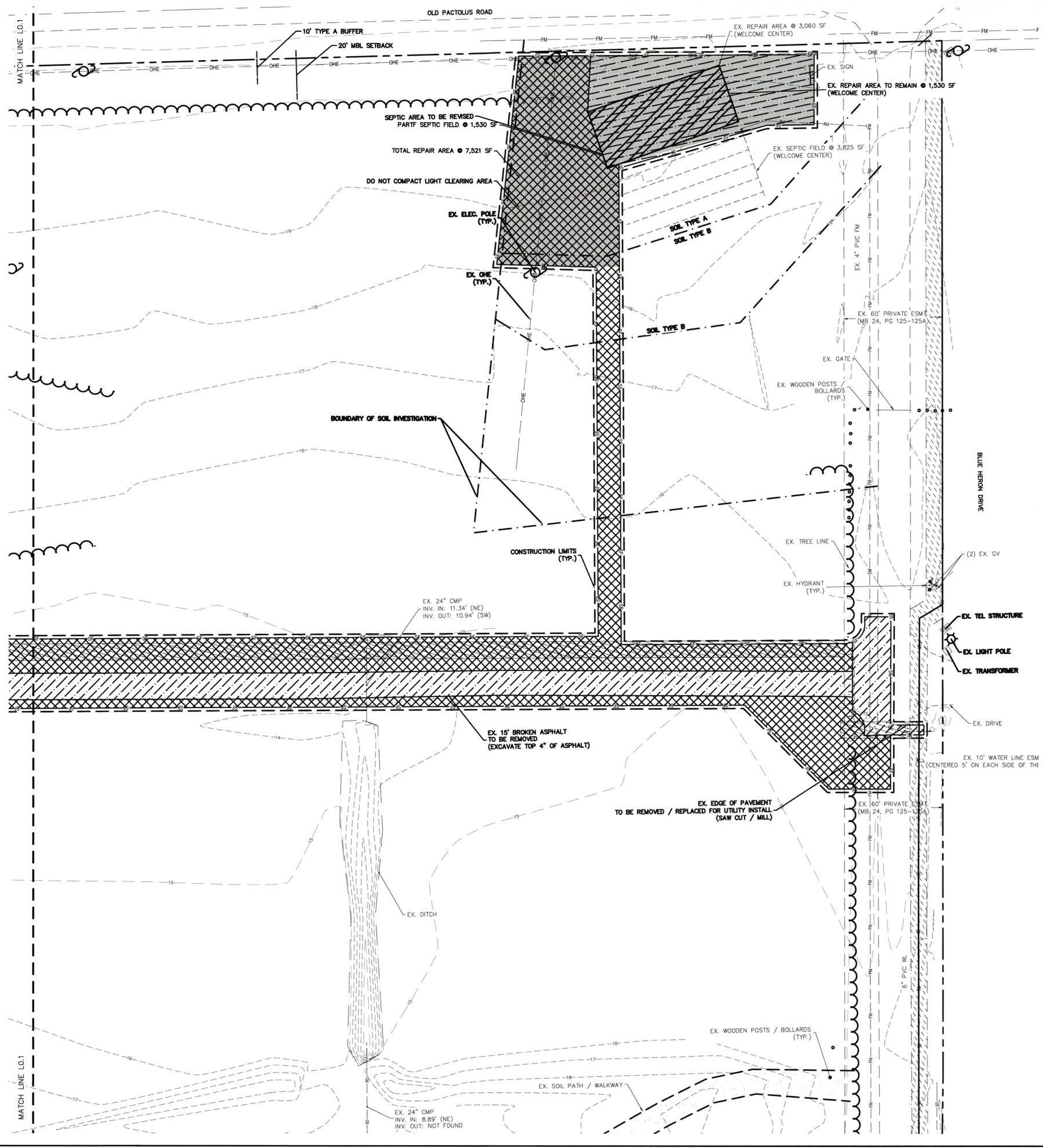
DRAWING NO. **L0.1**



H:\P\20230059 - Wildwood Park Part I Improvements - IN - Greenville - 03/01/2024 - L0.1 - SHEETS.dwg

EXISTING CONDITIONS / DEMOLITION LEGEND:

ASW	ASPHALT WALK
CP	CONCRETE PAD
CSW	CONCRETE SIDEWALK
---	CONSTRUCTION LIMITS
DI	DROP INLET
EB	ELECTRIC BOX
EMH	ELECTRICAL MANHOLE
- - -	EXISTING CONTOUR
EIS	EXISTING IRON STAKE
	EXISTING REPAIR AREA (SEPTIC)
EX.	EXISTING
	FEATURES TO BE REMOVED
GDW	GRAVEL DRIVEWAY
INV	INVERT
	LIGHT CLEARING AREA (SEPTIC FIELDS)
RCP	REINFORCED CONCRETE PIPE
SD	STORM DRAIN
TB	TELEPHONE BOX
TYP.	TYPICAL
UE	ELECTRIC
UG	GAS
UGT	TELEPHONE/CABLE/FIBER OPTIC
	TREE CLEARING AREAS
W	WATER
WV	WATER VALVE
YI	YARD INLET



REV	DATE	DESCRIPTION	BY	CHK	MS
0	03-01-24	ISSUE FOR CONSTRUCTION	AF	MS	

TITLE PROJECT NO. 20230059

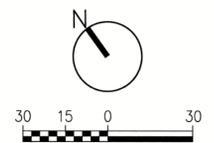
DATE: 12.21.23



PROJECT TITLE: WILDWOOD PARK PART II IMPROVEMENTS

DRAWING TITLE: EXISTING CONDITIONS, DEMOLITION, TREE PROTECTION (EAST)

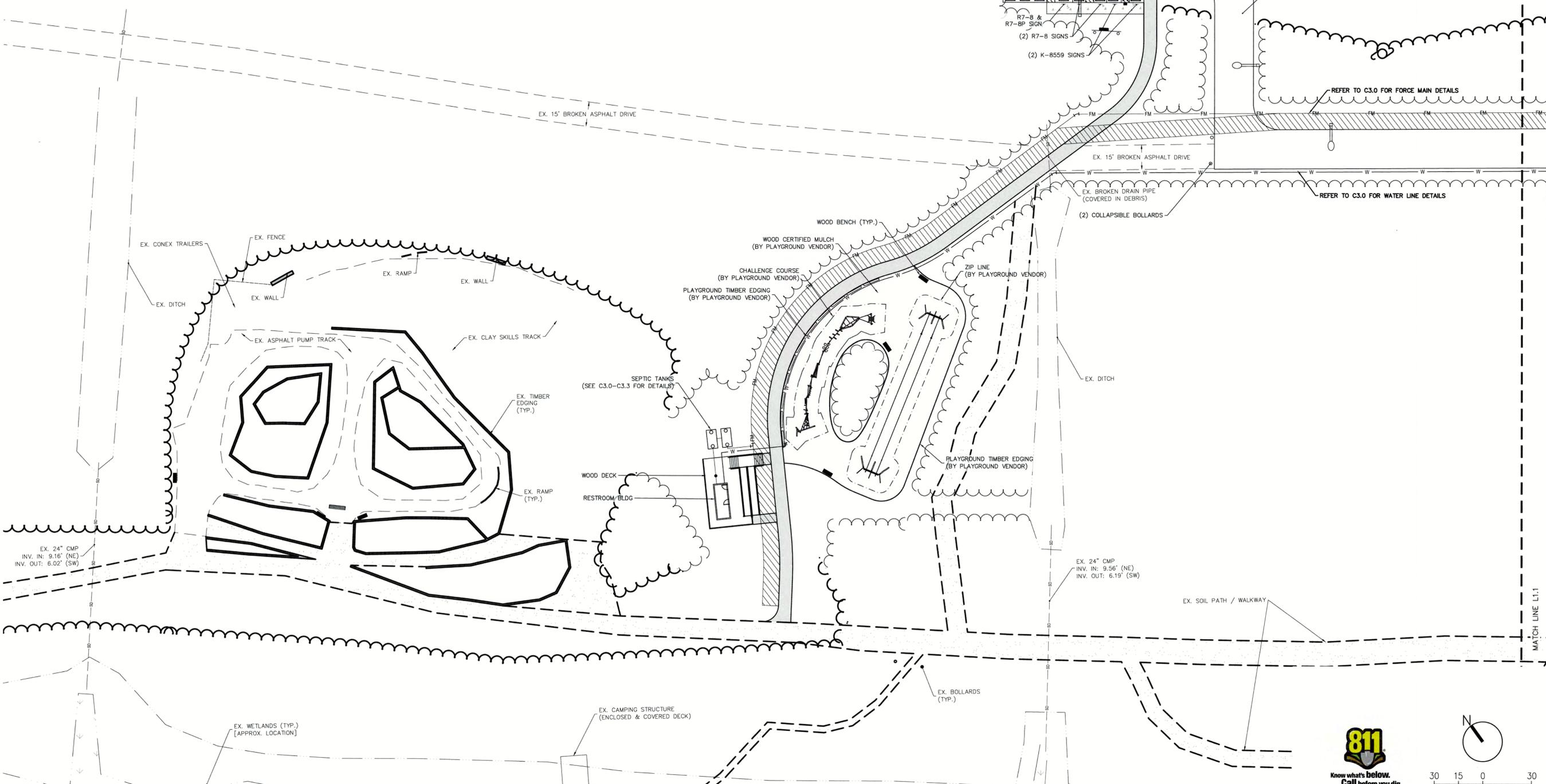
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GENERAL NOTES:

1. SITE SHALL MEET ALL RELATED ACCESSIBILITY REQUIREMENTS.
2. ACCESSIBLE ROUTE IS PROPOSED FROM ACCESSIBLE PARKING SPACES TO RESTROOM AND PLAYGROUND.
3. NO WATERBODIES SUBJECT TO TAR PAMLICO BUFFER RULES EXIST WITHIN THE DISTURBED LIMITS OF THE PROJECT AREA.
4. THIS PROJECT DOES NOT DISTURB WETLANDS.
5. THIS PROJECT DISTURBS MORE THAN 1-ACRE AND WILL REQUIRE A SOIL EROSION AND SEDIMENTATION CONTROL PERMIT.
6. THIS PROJECT DOES NOT INCREASE THE RATE OF RUNOFF MORE THAN 10%. A CITY OF GREENVILLE STORMWATER PERMIT IS NOT INCLUDED OR ANTICIPATED TO BE NEEDED.
7. CITY OR NCDOT DRIVEWAY PERMIT IS REQUIRED FOR THIS PROJECT. ANY ENCROACHMENT AGREEMENTS SHALL BE APPROVED BEFORE INSTALLATION.
8. ANY UNUSED DRIVEWAY MUST BE CLOSED IN ACCORDANCE WITH THE CITY OF GREENVILLE'S DRIVEWAY ORDINANCE.
9. CONTRACTOR MUST NOTIFY ONE - CALL CENTER, INC. (NC ONE-CALL) (811) AT LEAST 72 HOURS PRIOR TO THE START OF EXCAVATION OR TRENCHING TO HAVE ALL UNDERGROUND UTILITIES LOCATED.
10. ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE 2023 CITY OF GREENVILLE MANUAL OF STANDARD DESIGNS AND DETAILS (MSDD).
11. CONTRACTOR SHALL NOTIFY CITY OF GREENVILLE ENGINEERING DEPARTMENT AT 252-329-4888, 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBIC STORM DRAINAGE EASEMENTS OR RIGHT-OF-WAY.
12. THIS PROPERTY IS LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. THIS PROPERTY IS LOCATED IN ZONE(S) 4E, AS SHOWN ON FIRM PANEL NUMBER 3720468800K, COMMUNITY NUMBER 370191, INDEX DATE 7/7/14 (BFE=20.4).

13. LANE CLOSURES ON THOROUGHFARE ROADS ARE ONLY PERMITTED BETWEEN THE HOURS OF 9:00AM AND 4:00PM, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE PERMITTED BY THE TRAFFIC ENGINEER. IN ADDITION, THERE WILL BE NO LANE CLOSURES ON HOLIDAYS INCLUDING THE DAY BEFORE OR AFTER SAID HOLIDAY. A TRAFFIC CONTROL PLAN PREPARED IN ACCORDANCE WITH THE NCDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES IS REQUIRED FOR ALL LANE CLOSURES AND MUST BE APPROVED BY THE TRAFFIC ENGINEER.
14. ALL SITE LIGHTING SHALL COMPLY WITH THE LIGHTING STANDARDS FOR THE CITY OF GREENVILLE.
15. CONTACT CITY OF GREENVILLE ENGINEERING DEPARTMENT AT 252-329-4888 FOR PRE-POUR INSPECTION PRIOR TO POURING CONCRETE IN RIGHT OF WAY.
16. REFUSE COLLECTION METHOD: PUBLIC SERVICE. CARDBOARD IS NOT ACCEPTED BY THE LANDFILL.
CARDBOARD (RECYCLE) CONTAINER SITES (PADS) OR OTHER OUTSIDE STORAGE/STACKING (RECYCLE) AREAS SHALL BE LOCATED.
RESIDENTIAL: PUBLIC SERVICE REQUIRED PER TITLE 6, CHAPTER 3 OF THE CITY CODE.
NON-RESIDENTIAL: PRIVATE SERVICE ONLY. THE APPLICANT SHALL, AT THE TIME OF APPLICATION, SPECIFY THE METHOD OF PRIVATE REFUSE DISPOSAL. SERVICEABLE CONTAINER SITES (PADS) SHALL BE LOCATED FOR IMMEDIATE OR FUTURE USE REGARDLESS OF THE DISPOSAL OPTION.
THE LOCATION(S) AND DESIGN DETAILS FOR SUCH CONTAINER SITES (PADS) SHALL BE APPROVED BY THE CITY ENGINEER IN ACCORDANCE WITH THE MANUAL OF STANDARDS, DESIGNS AND DETAILS.
17. UNLESS SHOWN HEREON, NO ENCROACHMENT OF ANY TYPE, INCLUDING CLEARING, FILLING, EXCAVATION, GRADING, NEW CONSTRUCTION, SUBSTANTIAL IMPROVEMENTS, OR OTHER TYPES OF DEVELOPMENT ARE PERMITTED IN THE FLOODWAY AS DENOTED ON THIS PLAN UNLESS A "NO-RISE CERTIFICATION" IS PROVIDED IN ACCORDANCE WITH THE FLOOD DAMAGE PREVENTION ORDINANCE.
18. NEW BUILDINGS MUST COMPLY WITH NC FIRE CODE SECTION 510 - EMERGENCY RESPONDER RADIO COVERAGE.
19. SEE ELECTRICAL SHEETS FOR ELECTRICAL COORDINATION.



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 ■ Surveying ■ Technology

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 NC Architectural License No. 50213
 NC Landscape Architectural License
 No. C-427

SCALE

1" = 10'

1509

3/1/24

SCALE

FOR CIVIL ONLY

1" = 10'

3/1/24

SCALE

FOR CIVIL ONLY

1" = 10'

3/1/24

REV	DATE	DESCRIPTION
0	03-01-24	ISSUE FOR CONSTRUCTION

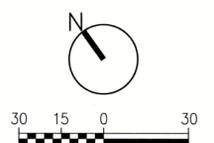
REG. PROJECT NO: 20230059

DATE: 12.21.23

PROJECT TITLE
Greenville
 NORTH CAROLINA
 WILDWOOD PARK
 PART I IMPROVEMENTS

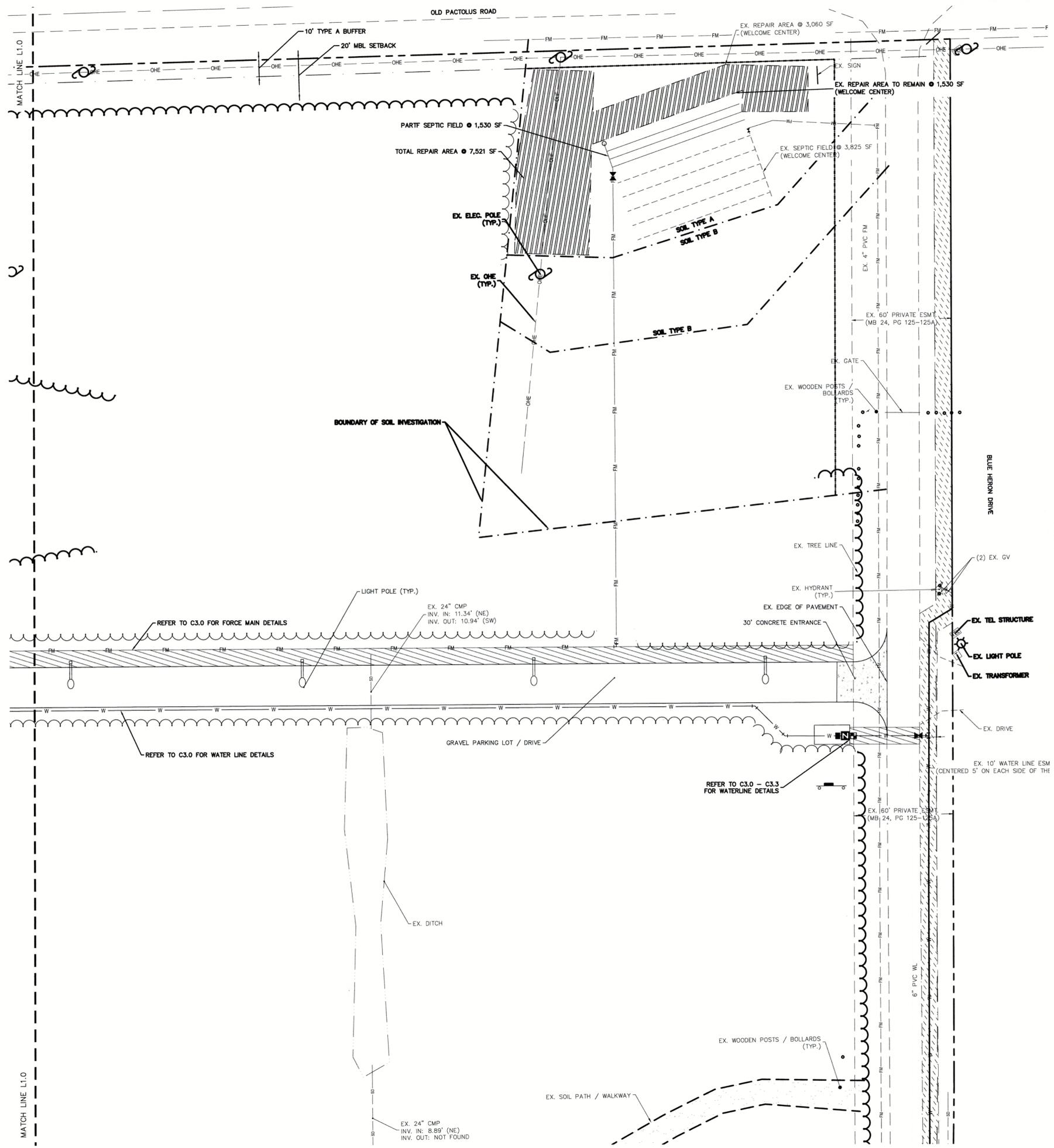
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 SITE PLAN (WEST)

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LEGEND:
 ADDITIONAL REPAIR AREA (SEPTIC)



THE EAST GROUP
 ■ Engineering ■ Architecture
 ■ Surveying ■ Technology
 • Corporate Office
 324 Evans Street
 Greenville, NC 27859
 Tel: 252.759.3746
 Fax: 252.830.3954
 • Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel: 919.784.9330
 Fax: 919.784.9331
 • NC Engineering License No. C-0206
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SEAL


SEAL


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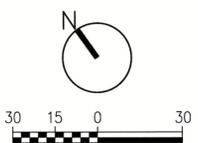
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 WILDWOOD PARK PARTI IMPROVEMENTS

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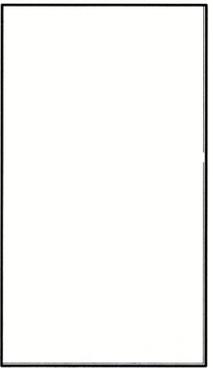
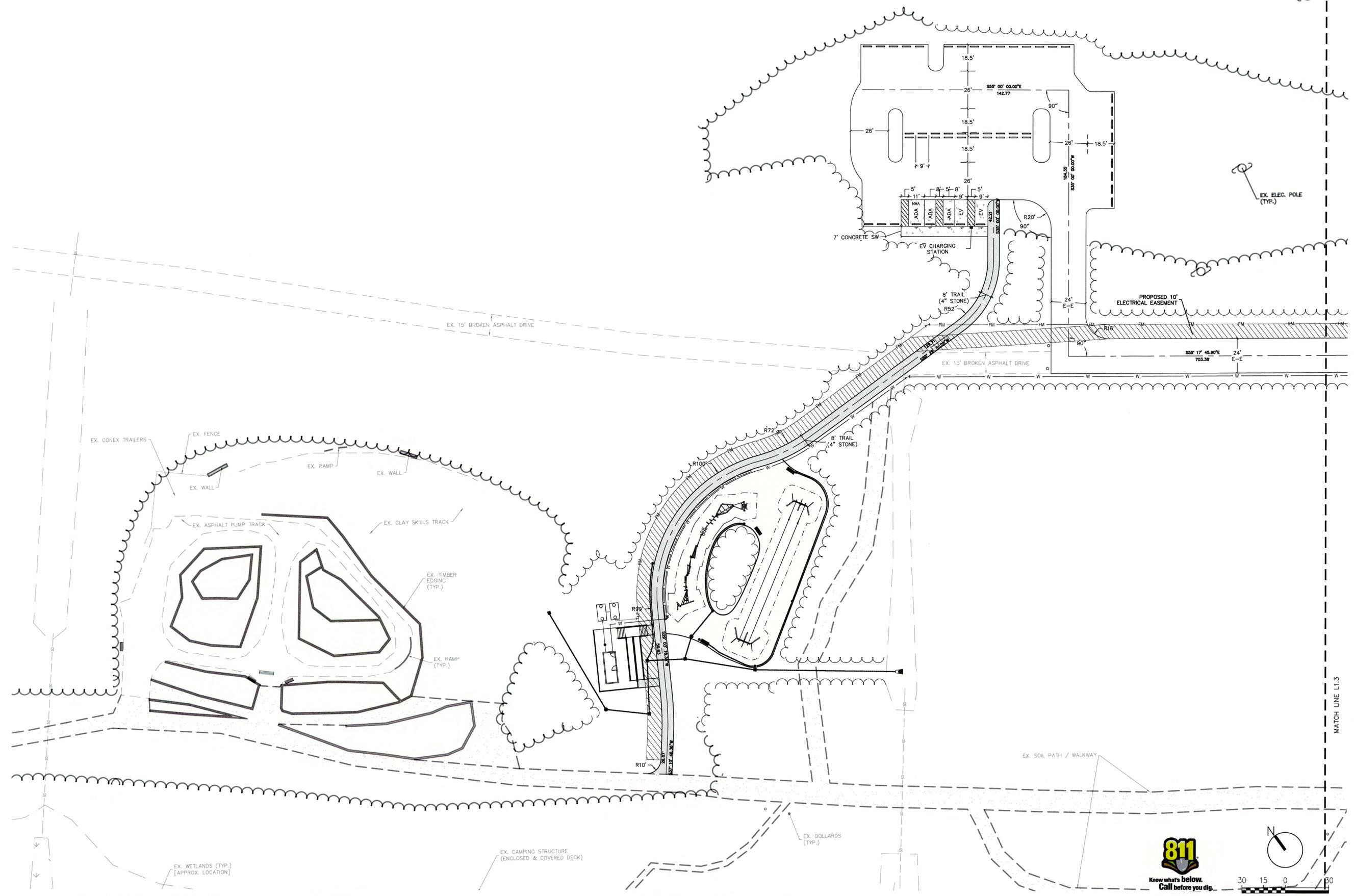
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Corporate Office
 324 Evans Street
 Greenville, NC 27838
 Tel 252.758.3746
 Fax 252.830.3954

Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919.784.8330
 Fax 919.784.9331

NC Engineering License No. C-0206
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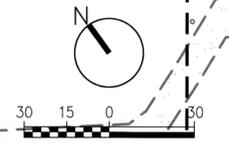
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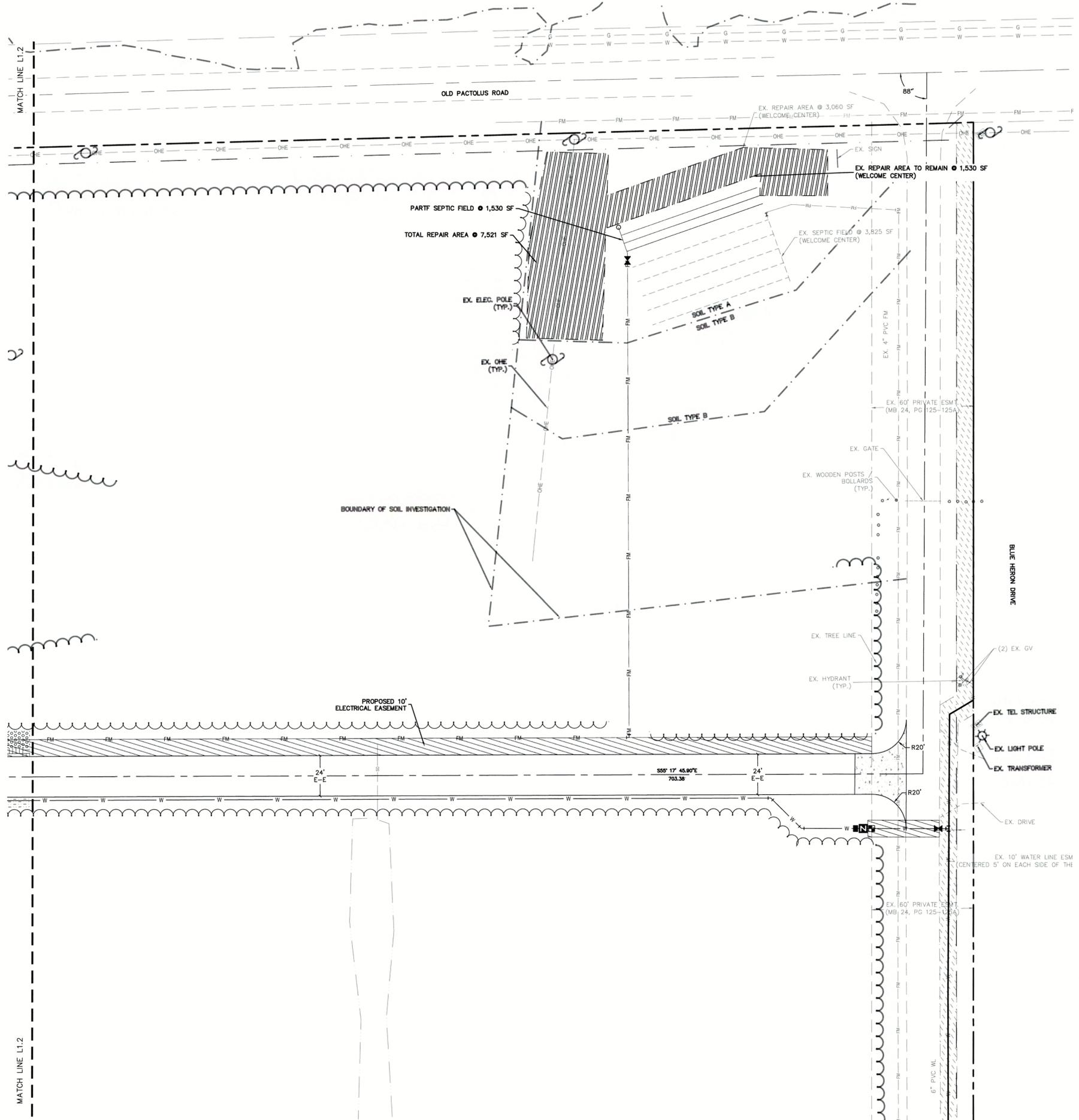
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LAYOUT PLAN (WEST)

DRAWING NO. **L1.2**

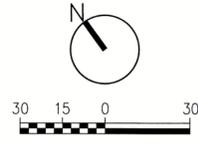
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LEGEND:
 ADDITIONAL REPAIR AREA (SEPTIC)



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 ■ Surveying ■ Technology
 Corporate Office
 324 Evans Street
 Greenville, NC 27858
 Tel 252 758 3746
 Fax 252 830 3954
 Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919 784 9330
 Fax 919 784 9331
 NC Engineering License No. C-0206
 NC Architectural License No. 50213
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DATE: 12.21.23



PROJECT TITLE: WILDWOOD PARK PART I IMPROVEMENTS

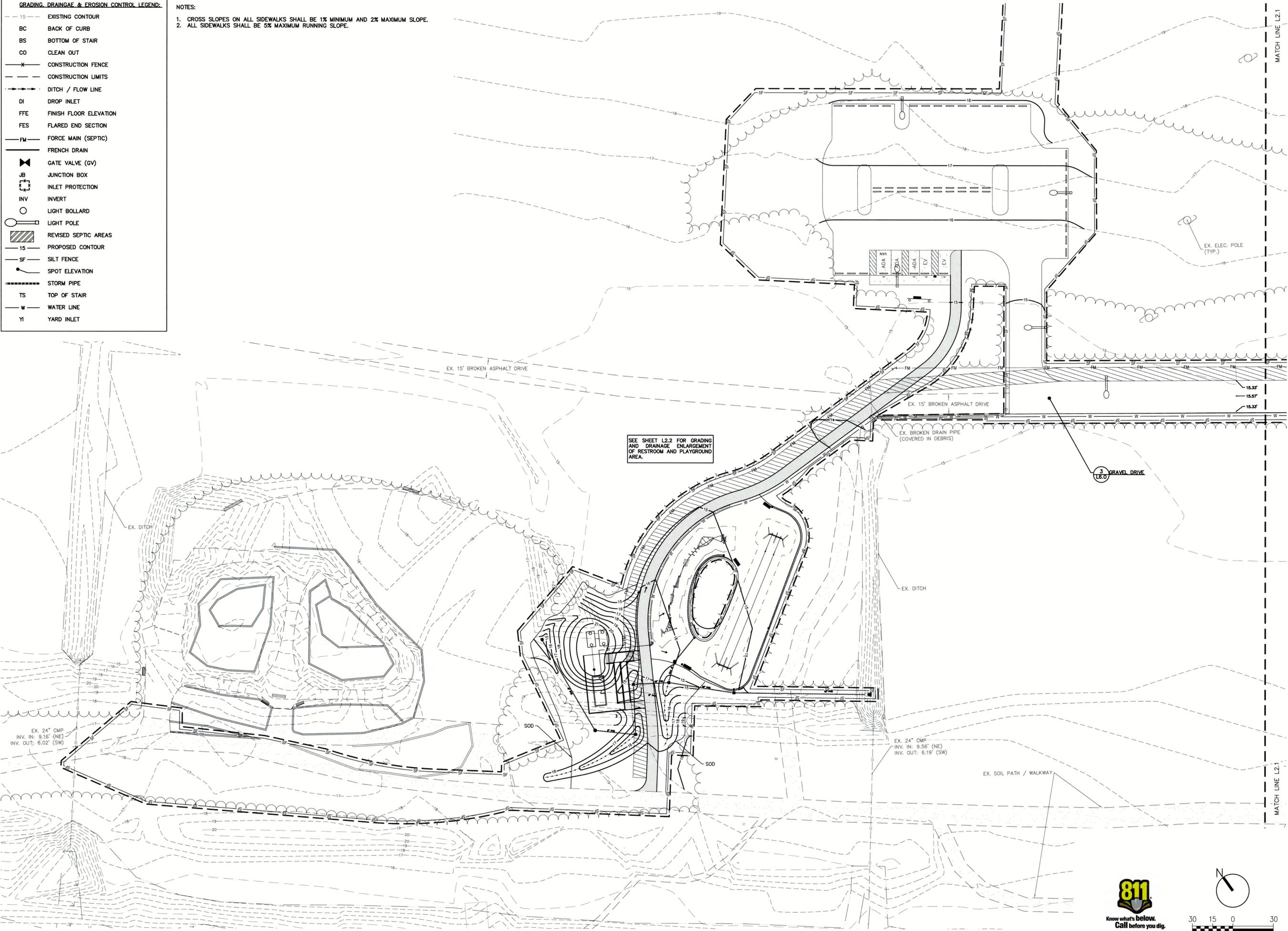
DRAWING TITLE: LAYOUT PLAN (EAST)

DRAWING NO. L1.3

GRADING, DRAINAGE & EROSION CONTROL LEGEND:

15	EXISTING CONTOUR
BC	BACK OF CURB
BS	BOTTOM OF STAIR
CO	CLEAN OUT
X	CONSTRUCTION FENCE
---	CONSTRUCTION LIMITS
- - -	DITCH / FLOW LINE
DI	DROP INLET
FFE	FINISH FLOOR ELEVATION
FES	FLARED END SECTION
FM	FORCE MAIN (SEPTIC)
---	FRENCH DRAIN
GV	GATE VALVE (GV)
JB	JUNCTION BOX
IP	INLET PROTECTION
INV	INVERT
○	LIGHT BOLLARD
○	LIGHT POLE
▨	REVISED SEPTIC AREAS
15	PROPOSED CONTOUR
SF	SILT FENCE
●	SPOT ELEVATION
---	STORM PIPE
TS	TOP OF STAIR
W	WATER LINE
YI	YARD INLET

NOTES:
 1. CROSS SLOPES ON ALL SIDEWALKS SHALL BE 1% MINIMUM AND 2% MAXIMUM SLOPE.
 2. ALL SIDEWALKS SHALL BE 5% MAXIMUM RUNNING SLOPE.



THE EAST GROUP
 Engineering • Architecture
 Surveying • Technology

Corporate Office
 324 Evans Street
 Greenville, NC 27838
 Tel 252.758.3746
 Fax 252.830.3954

Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919.784.9330
 Fax 919.784.9331

NC Engineering License No. C-0206
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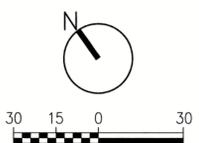
REG. PROJECT NO. 20230059

DATE: 12.21.23

PROJECT TITLE
Greenville NORTH CAROLINA
 WILDWOOD PARK PART I IMPROVEMENTS

DRAWING TITLE
 GRADING, DRAINAGE & EC PLAN (WEST)

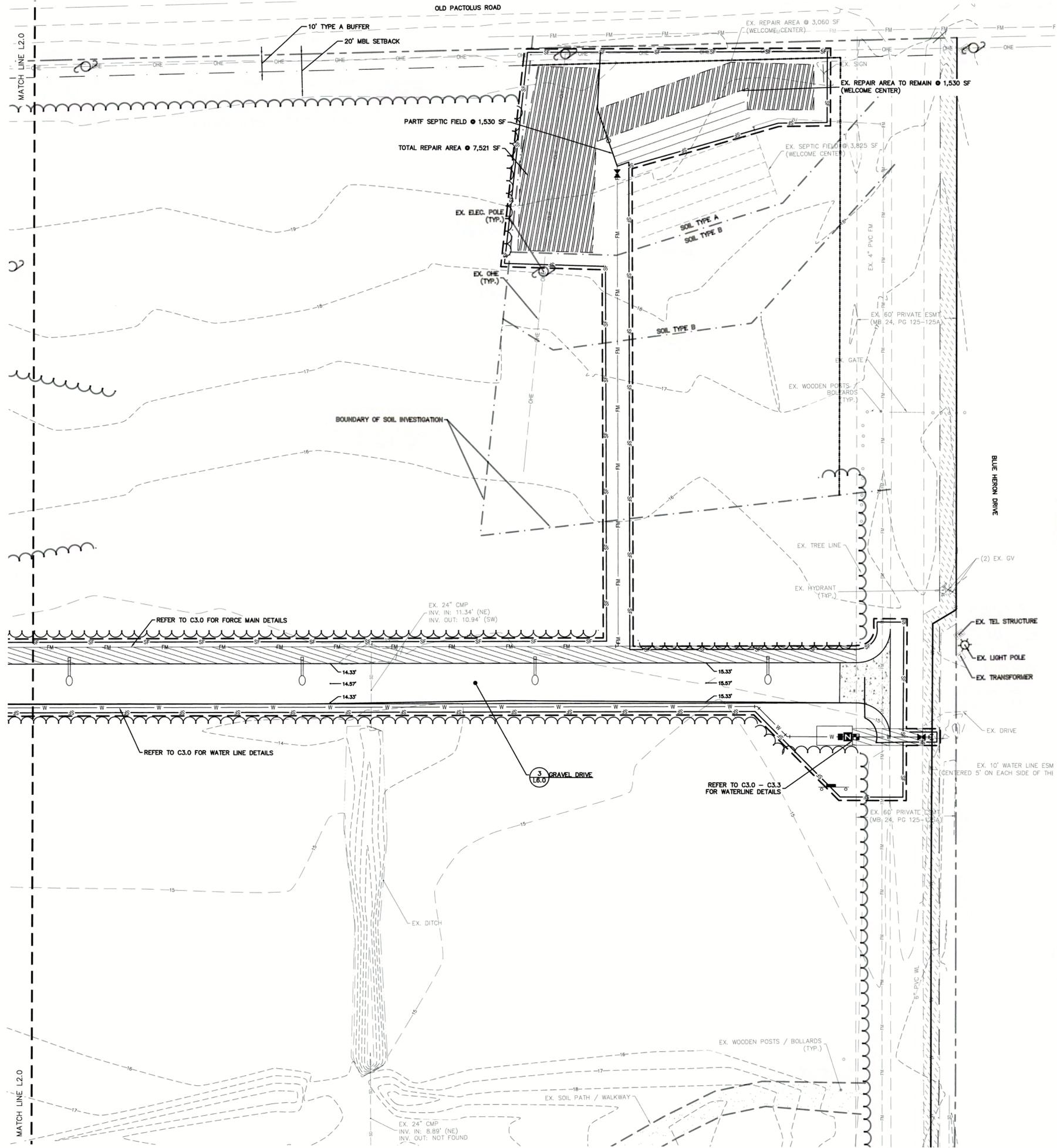
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GRADING, DRAINAGE & EROSION CONTROL LEGEND:

15	EXISTING CONTOUR
BC	BACK OF CURB
BS	BOTTOM OF STAIR
CO	CLEAN OUT
X	CONSTRUCTION FENCE
---	CONSTRUCTION LIMITS
->	DITCH / FLOW LINE
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FFE	FINISH FLOOR ELEVATION
FES	FLARED END SECTION
FM	FORCE MAIN (SEPTIC)
---	FRENCH DRAIN
GV	GATE VALVE (GV)
JB	JUNCTION BOX
[]	INLET PROTECTION
INV	INVERT
○	LIGHT BOLLARD
○	LIGHT POLE
[]	REVISED SEPTIC AREAS
15	PROPOSED CONTOUR
SF	SILT FENCE
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---	STORM PIPE
TS	TOP OF STAIR
W	WATER LINE
YI	YARD INLET



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 Corporate Office
 324 Evans Street
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 Tel: 252.758.3746
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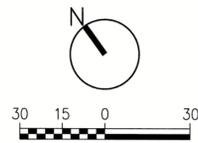


FOR CIVIL ONLY
 NORTH CAROLINA PROFESSIONAL ENGINEER
 Todd Alan Thrift
 3/1/24

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FIG PROJECT NO: 20230059
 DATE: 12.21.23
 PROJECT TITLE: **Greenville NORTH CAROLINA**
 WILDWOOD PARK PART I IMPROVEMENTS
 DRAWING TITLE: **GRADING, DRAINAGE & EC PLAN (EAST)**
 DRAWING NO: **L2.1**

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CONSTRUCTION SEQUENCE

- OBTAIN AND POST A COPY OF THE CERTIFICATE OF EROSION AND SEDIMENT CONTROL PLAN APPROVAL. NOTIFY THE NCDEQ AT 252-946-6481 PRIOR TO COMMENCING CONSTRUCTION.
- DISTURB LAND ONLY AS NECESSARY TO INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES AS NEEDED OR AS DIRECTED BY THE ENGINEER.
- PERFORM SITE CLEARING AND DEMOLITION, IN ACCORDANCE WITH PLANS, AND DISPOSE OF DEBRIS AT AN APPROVED SITE. PRIOR TO AND DURING DEMOLITION PHASE INSTALL APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES.
- TRANSITION EROSION CONTROL MEASURES FROM DEMOLITION PHASE TO GRADING PHASE AND INSTALL MEASURES IN THE APPROPRIATE AREAS AND BEGIN GRADING THE SITE.
- BEGIN EXCAVATION FOR UNDERGROUND CONSTRUCTION. CONSTRUCT UNDERGROUND IMPROVEMENTS.
- INSTALL DRAINAGE INLETS AND STORM DRAINAGE PIPING WITH TEMPORARY INLET PROTECTION.
- BEGIN PLACING FILL MATERIAL ON THE BUILDING SITES AND IN REQUIRED AREAS PER PLANS.
- INSTALL UTILITY MAINS, SEPTIC SYSTEM, AND SEPTIC FIELDS.
- CONSTRUCT BUILDING AND ASSOCIATED IMPROVEMENTS.
- MAINTAIN EROSION AND SEDIMENTATION MEASURES DURING CONSTRUCTION. CHECK THE MEASURES FOR FAILURE AND AVAILABLE SEDIMENT STORAGE AFTER EACH SIGNIFICANT RAINFALL EVENT.
- COORDINATE WITH LANDSCAPE ARCHITECT AND PLAYGROUND VENDOR TO SET FOOTINGS FOR PLAY EQUIPMENT PER THEIR LOCATION ON PLANS.
- COMPLETE CONSTRUCTION OF SITE IMPROVEMENTS.
- MULCH AND SEED ALL DISTURBED AREAS. ANY SLOPES LEFT EXPOSED WILL WITHIN 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION.
- COMPLETE CONSTRUCTION OF ALL PROPOSED IMPROVEMENTS.
- REMOVE ALL TEMPORARY EROSION CONTROL MEASURES ONCE 80%± PERMANENT VEGETATION STABILIZATION IS ESTABLISHED.
- TIME OF EXPOSURE IS APPROXIMATELY 6 MONTHS OR UNTIL COMPLETION AND STABILIZATION OF THE SITE. CONTRACTOR SHALL PREPARE FOR MAINTENANCE OF THE SITE EROSION AND SEDIMENTATION MEASURES APPROPRIATE FOR THE EXPECTED DURATION.

CITY OF GREENVILLE EROSION NOTES:

- SCHEDULING OF A PRECONSTRUCTION CONFERENCE WITH THE ENGINEERING DIVISION IS REQUIRED PRIOR TO INITIATING LAND DISTURBING ACTIVITIES. FOR SCHEDULING PLEASE CALL (252) 329-4467. A 24-HOUR NOTICE IS REQUIRED. NO PERSON MAY INITIATE A LAND DISTURBING ACTIVITY BEFORE NOTIFYING THE CITY OF THE DATE OF LAND DISTURBING ACTIVITY.
- NO LAND DISTURBING ACTIVITY BEYOND THAT REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MEASURES MAY PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY CITY OF GREENVILLE.
- SEED AND MULCHING OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL EXPOSED SLOPES WITHIN 14 WORKING DAYS OF COMPLETING ANY PHASE OF GRADING.
- CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH 0.5" OVER 24-HOUR PERIOD RAINFALL EVENT. FAILURE TO KEEP EROSION CONTROL DEVICES IN GOOD WORKING ORDER MAY RESULT IN ISSUANCE OF A STOP WORK ORDER OR CIVIL PENALTIES UP TO \$5,000 PER DAY OF VIOLATION. STIES UTILIZING SEDIMENT TRAPS MUST ALSO SPECIFY A MAXIMUM DEPTH OF SEDIMENT PRIOR TO CLEAN OUT.
- THE CITY ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
- ACCEPTANCE AND APPROVAL OF THIS PLAN IS CONDITIONED UPON YOUR COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY LAWS, REGULATIONS, AND RULES. IN ADDITION, LOCAL CITY AND COUNTY ORDINANCES OR RULES MAY ALSO APPLY TO THIS LAND-DISTURBING ACTIVITY. APPROVAL BY THE CITY DOES NOT SUPERCEDE ANY OTHER PERMIT OR APPROVAL. -PLEASE BE ADVISED OF THE RULES TO PROTECT AND MAINTAIN EXISTING BUFFERS ALONG WATERCOURSES IN THE NEUSE AND TAR RIVER BASINS. THESE RULES ARE ENFORCED BY THE DIVISION OF WATER QUALITY (DWQ). DIRECT ANY QUESTIONS ABOUT THE APPLICABILITY OF THESE RULES TO YOUR PROJECT TO THE REGIONAL WATER QUALITY SUPERVISOR, WASHINGTON REGIONAL OFFICE AT (252) 946-6481.
- ALL DEWATERING OPERATIONS SHALL BE FILTERED PRIOR TO LEAVING THE SITE.
- ALL STREETS SHOULD BE SWEEP AS NEEDED BUT AT LEAST WEEKLY TO CONTROL SEDIMENT FROM LEAVING THE SITE DURING GRADING ACTIVITIES.

GRADING NOTES:

- ALL VEGETATION AND TOPSOIL SHALL BE STRIPPED FROM FILL AREAS PRIOR TO PLACING FILL. ANY QUESTIONABLE OR UNSUITABLE SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- AFTER STRIPPING TOPSOIL AND PRIOR TO PLACING FILL, IT IS RECOMMENDED THAT ALL BUILDING AREAS BE ROLLED WITH A VIBRATORY ROLLER TO CONSOLIDATE LOOSE SOILS IN THE UPPER SUBGRADE. COMPACTION TEST RESULTS OF AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY WILL BE REQUIRED PRIOR TO ENGINEER'S APPROVAL FOR FILL PLACEMENT. CONTRACTOR SHALL CONTACT THE ENGINEER AND SCHEDULE A PROOF ROLL FOR SUBGRADE AND WHEN AGGREGATE BASE COURSE HAS BEEN INSTALLED.
- ALL FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).
- ALL CULVERT CLEANOUT MUST BE DONE SUCH THAT THE SEDIMENT IS EITHER EXTRACTED OR BLOWN UPSTREAM FOR CLEANUP. UNDER NO CIRCUMSTANCES SHALL SEDIMENT BE BLOWN DOWNSTREAM.
- GRADING CONTRACTOR SHALL TEMPORARY SEED AND MULCH ALL DISTURBED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS WITHIN 14 DAYS OF COMPLETION OF GRADING WORK. UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL INSTALL PERMANENT SEEDING AS OUTLINED IN THE SPECIFICATIONS. ALL DRAINAGE PIPES SHALL BE CLEANED BY THE GENERAL CONTRACTOR TO REMOVE ANY SEDIMENTS THAT HAVE ACCUMULATED.
- ALL PLANTING AREAS SHALL BE BACKFILLED WITH TOPSOIL AND RAKED DOWN, REMOVING ALL CLOUDS AND ROOTS, AND LEFT READY FOR SEEDING AND PLANTING.

SEED BED PREPERATION NOTES

- SCARIFY SOIL TO A DEPTH OF THREE (3) INCHES AND WORK INTO A SATISFACTORY SEED BED BY DISKING, USE OF CULTIPACKERS, HARROWS, DRAGS AND OTHER APPROVED MEANS.
- PREPARATION OUTLINED ABOVE SHALL NOT BE DONE WHEN THE SOIL IS FROZEN, WET OR OTHERWISE IN AN UNFAVORABLE CONDITION.
- BEGIN AND COMPLETE SEEDING OPERATIONS AS OUTLINED AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, BUT IN NO EVENT LATER THAN 14 CALENDAR DAYS AFTER COMPLETION OF FINAL GRADING.
- SEEDING AND MULCHING OPERATIONS SHALL NOT BEGIN UNTIL ELECTRICAL SERVICE HAS BEEN INSTALLED WITHIN THE PROJECT, UNLESS DIRECTED BY THE ARCHITECT/ENGINEER.
- DISTRIBUTE LIME AND FERTILIZER, UNIFORMLY OVER SEED BED AND HARROW, RAKE, OR OTHERWISE WORK SAME INTO SEED BEDS.
- DISTRIBUTE SEED UNIFORMLY OVER SEED BED. COVER SEED LIGHTLY AFTER SEEDING.
- NO LIME, FERTILIZER, OR SEED SHALL BE APPLIED DURING A STRONG WIND, WHEN SOIL IS WET OR OTHERWISE UNWORKABLE. SHOULD RAIN FOLLOW SEEDING BEFORE ROLLING IS BEGUN, THE BED SHALL NOT BE ROLLED.

TEMPORARY SEEDING

DATE	APR 15-AUG 14	GERMAN MILLET	50 LBS/ACRE
DATE	AUG 15-APR 14	RYE (GRAIN)	50 LBS/ACRE
YEAR ROUND	FERTILIZER 10-20-20	400 LBS/ACRE	ANALYSIS

VEGETATIVE PLAN:

VEGETATIVE COVER SHALL BE IN ACCORDANCE WITH THE SEEDING SCHEDULE AND THE FOLLOWING SPECIFICATION SECTIONS:
 SECTION 02110 SITE CLEARING
 SECTION 02120 EROSION & POLLUTION CONTROL
 SECTION 02228 CLEAN-UP & SEEDING

GROUND STABILIZATION		
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
* PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
* HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
* SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
* SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
* ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HOW ZONES)

SEEDING AND MULCHING

ALL ROADWAY AREAS			
MARCH 1 - AUGUST 31	50#	SEPTEMBER 1 - FEBRUARY 28	50#
TALL FESCUE	10#	TALL FESCUE	10#
CENTPEDE	25#	CENTPEDE	25#
BERMUDAGRASS (HULLED)	500#	BERMUDAGRASS (HULLED)	500#
FERTILIZER	4000#	FERTILIZER	4000#
LIMESTONE		LIMESTONE	

WATER AND BORROW LOCATIONS			
MARCH 1 - AUGUST 31	75#	SEPTEMBER 1 - FEBRUARY 28	75#
TALL FESCUE	25#	TALL FESCUE	25#
BERMUDAGRASS (HULLED)	500#	BERMUDAGRASS (HULLED)	500#
FERTILIZER	4000#	FERTILIZER	4000#
LIMESTONE		LIMESTONE	

NOTE: 50# OF BAHIAGRASS MAY BE SUBSTITUTED FOR EITHER CENTPEDE OR BERMUDAGRASS ONLY UPON ENGINEER'S REQUEST.

MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND INTEGRITY FOLLOWING EVERY 0.5" OVER 24-HOUR PERIOD RAINFALL EVENT, BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FT DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
- EROSION CONTROL MATTING SHALL BE MAINTAINED UNTIL ALL WORK IS COMPLETE. AREAS SHALL BE RESEEDED AND MATTING SHALL BE REPLACED AS NEEDED.
- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE / EXIT WILL BE INSPECTED PERIODICALLY. WHEN MUD BEGINS TO BUILD UP, THE ENTRANCE SHALL BE BLADED OFF TO REMOVE THE MUD. ADD NEW STONE TO ENTRANCE, AS NEEDED.
- ALL SEEDED AREAS WILL BE FERTILIZED, RE-SEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATION IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- INSPECT DOUGHNUT INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2-INCH OF GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT FROM THE SEDIMENT POOL AREA WHEN THE VOLUME IS DECREASED BY HALF.
- EMPTY INLET SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS, OR AS DIRECTED. REPLACE BAG IF TORN OR PUNCTURED TO >1/2" DIAMETER ON LOWER HALF OF BAG.

NPDES INSPECTION REQUIREMENTS:

- MUST KEEP A RAIN GAUGE ON THE PROJECT SITE.
- DEDICATED DEMOLITION AND OTHER WASTE AREAS AND EARTHEN MATERIAL STOCKPILES MUST BE LOCATED AT LEAST 50' FORM STORM DRAINS OR STREAMS UNLESS NO ALTERNATIVE IS FEASIBLE.
- MUST INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN A HALF-INCH (DURING A 24 HOUR PERIOD). MUST TAKE IMMEDIATE CORRECTIVE ACTION FOR ANY DEVICE FAILURE.
- MUST INSPECT ALL OUTLETS WHERE STORMWATER RUNOFF LEAVES THE SITE AND EVALUATE THE EFFECT ON NEARBY STREAMS OR WETLANDS.
- CORRECTIVE ACTION MUST BE TAKEN IF SEDIMENT IS DEPOSITED OFF-SITE OR INTO A STREAM OR WETLAND, OR CAUSES A VISIBLE INCREASE IN TURBIDITY OF ANY WATERBODY.
- MUST KEEP RECORDS OF THESE INSPECTIONS AND ANY CORRECTIVE ACTIONS TAKEN.



• Engineering • Architecture
 • Surveying • Technology

• Corporate Office
 324 Evans Street
 Greenville, NC 27858
 Tel 252 758 3746
 Fax 252 830 3954

• Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919 794 9330
 Fax 919 784 9331

• NC Engineering License No. C-0206
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REG PROJECT NO: 20230059

DATE: 12.21.23

PROJECT TITLE



WILDWOOD PARK PART F IMPROVEMENTS

DRAWING TITLE

NCG01 CONSTRUCTION SEQUENCE GRADING, AND EROSION CONTROL NOTES

DRAWING NO:

L2.3

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Rolled erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

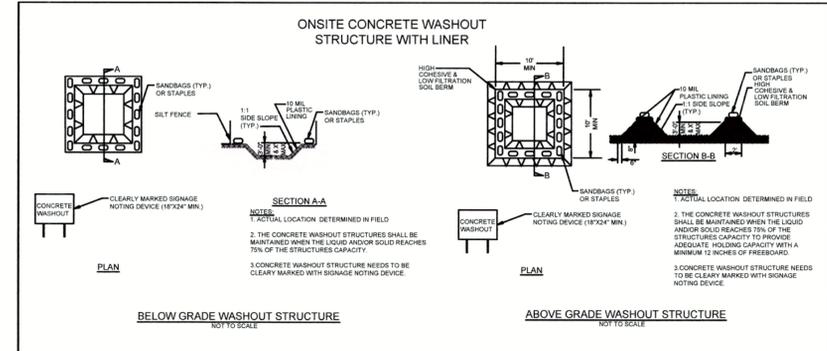
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



REV	DATE	DESCRIPTION	BY	CHK	MS
0	03-01-24	ISSUE FOR CONSTRUCTION			

REG PROJECT NO: 20230059

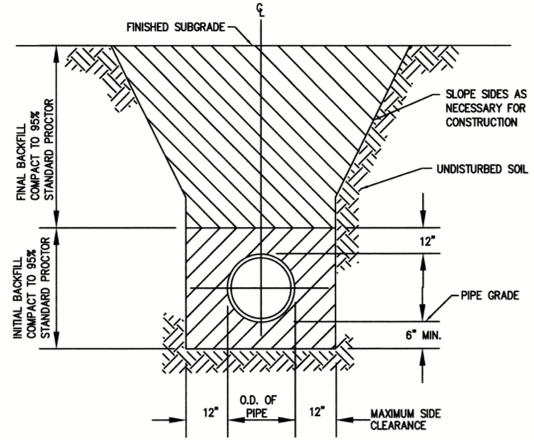
DATE: 12.21.23



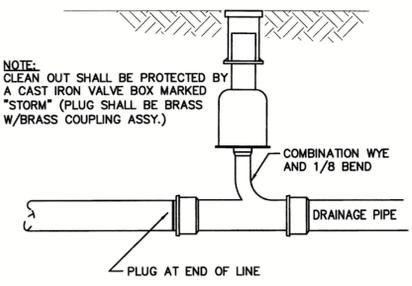
PROJECT TITLE: WILDWOOD PARK PART I IMPROVEMENTS

DRAWING TITLE: NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

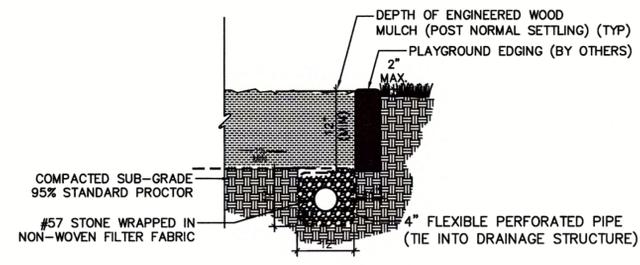
DRAWING NO: L2.5



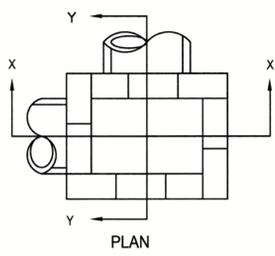
1 STORM DRAIN TRENCH
 L2.6 N.T.S.



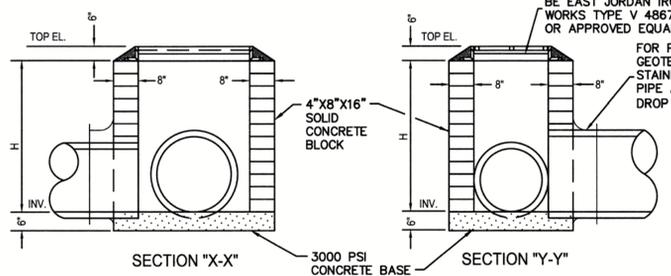
4 CLEAN OUT
 L2.6 N.T.S.



7 FRENCH DRAIN BELOW WOOD FIBER MULCH
 (BOTTOM OF SLOPE CONDITION, AT PLAYGROUND EDGING)
 L2.6 N.T.S.



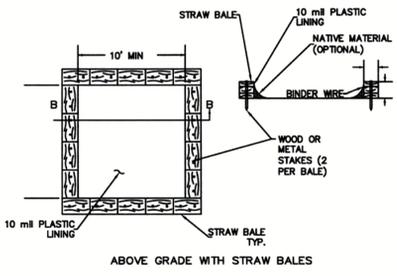
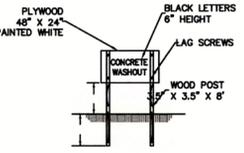
NOTE:
 PRECAST CONCRETE BOXES MAY BE USED IN LIEU OF 8" BLOCK. CONTRACTOR SHALL SUBMIT SHOP DRAWING TO ENGINEER PRIOR TO USE. DIMENSIONS SHALL BE AS NEEDED TO ACCOMMODATE PIPES WITH 6" CLEAR ON ALL SIDES. PROVIDE STEPS IN DRAINAGE BOXES 5' OR DEEPER.



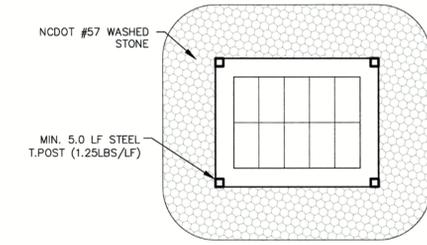
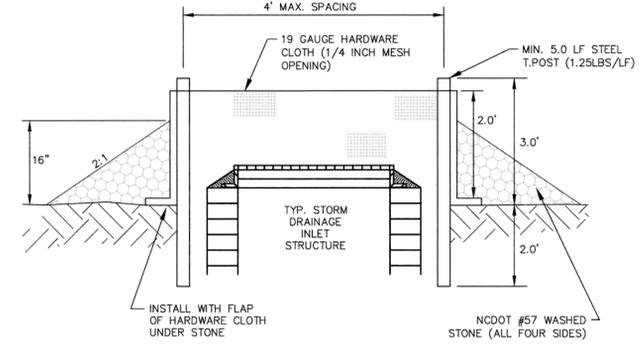
2 DROP INLET
 L2.6 N.T.S.

- NOTES:
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD BUT NOT WITHIN 50 FT OF A PROPOSED/ EXISTING CATCH BASIN AND/ OR INLETS, TOP OF BANK OF PERENNIAL STREAM, SURFACE WATER BODY, OR WETLAND.
 2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED IN CLOSE PROXIMITY OF THE AREA AND SHALL BE CLEARLY VISIBLE.
 3. GEOMEMBRANE BASIN LINER SHALL CONSIST OF A POLYPROPYLENE OR POLYETHYLENE 10 MIL THICK GEOMEMBRANE.
 4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

- MAINTENANCE:
1. MAINTAIN WASHOUT STRUCTURE TO PROVIDE ADEQUATE CAPACITY PLUS A MINIMUM OF 12 INCHES. REMOVE AND DISPOSE HARDENED CONCRETE AND RETURN THE STRUCTURE TO A FUNCTIONAL CONDITION AFTER REACHING 75% CAPACITY.
 2. INSPECT WASHOUT STRUCTURE FOR DAMAGE AND MAINTAIN FOR EFFECTIVENESS WEEKLY.
 3. REMOVE CONCRETE STRUCTURE AND SIGN ON PROJECT COMPLETION, DISPOSE CONCRETE IN APPROVED LANDFILL SITE OR RECYCLE.
 4. GRADE THE EARTH MATERIAL TO MATCH EXISTING CONTOURS AND SEED ACCORDINGLY TO PLANT SCHEDULE. MULCH AREA ACCORDINGLY.
 5. PROVIDE 2" SAND LAYER TO CONCRETE WASHOUT PIT.

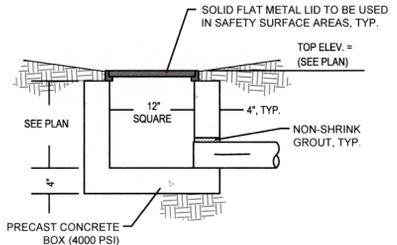


5 CONCRETE WASHOUT DETAIL
 L2.6 N.T.S.



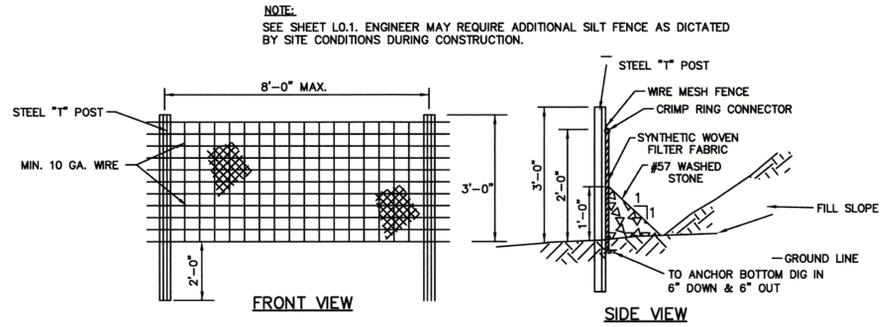
NOTE:
 TOP OF INLET STRUCTURE MUST BE 12" LOWER THAN DOWN SLOPE GROUND ELEVATION OR INSTALL TEMPORARY DIKE BELOW STRUCTURE TO PREVENT BYPASS FLOW.

8 HARDWARE CLOTH & GRAVEL INLET PROTECTION
 L2.6 N.T.S.

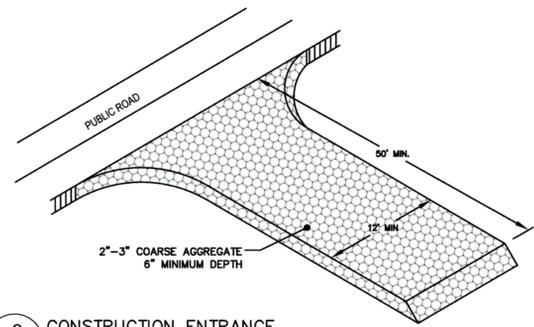


NOTE:
 DRAINAGE INLETS AND PVC PIPE WITHIN PLAYGROUND SAFETY SURFACE AREA PROVIDED TO CREATE TIE-IN LOCATIONS FOR UNDERDRAIN SYSTEM (PROVIDED BY OTHERS). COORDINATE WITH PLAYGROUND CONTRACTOR FOR TIE-IN OF SAFETY SURFACE UNDERDRAIN INTO DRAINAGE SYSTEM.

3 YARD INLET
 L2.6 N.T.S.



6 SILT FENCE
 L2.6 N.T.S.



9 CONSTRUCTION ENTRANCE
 L2.6 N.T.S.



REV	DATE	DESCRIPTION	BY	CHK	MS
0	03-01-24	ISSUE FOR CONSTRUCTION	AF		

PROJECT NO. 20230059

DATE: 12.21.23

PROJECT TITLE
Greenville
 NORTH CAROLINA

WILDWOOD PARK PART I IMPROVEMENTS

DRAWING TITLE

TREE PROTECTION, EROSION CONTROL & DRAINAGE DETAILS

DRAWING NO.

L2.6

PLANTING NOTES

The Contractor shall furnish plant material shown on the drawings, as specified and as indicated on the plant list. The Owner or his/her authorized representative shall be notified prior to the beginning of planting operations.

PRE-CONSTRUCTION CONFERENCE: Prior to commencing plant and irrigation installation, a Pre-Construction Conference shall be held. Attendees shall include Owner, General Contractor, Landscape and Irrigation Contractor(s) and Project Consultant or their designated representatives.

STANDARDS: All plants shall be in accordance with the American Standard For Nursery Stock, latest edition, published by the American Association of Nurserymen, Inc. with regard to sizing and description.

QUALITY: All plants shall be nursery grown and hardy under climatic conditions similar to those in the locality of the project. All plants shall be typical of their species or variety and shall have a normal habit of growth. They shall be sound, healthy and vigorous, well branched and densely foliated when in leaf. They should be free of disease and insect pests, eggs or larvae. They shall have healthy, well-developed root system.

SUBSTITUTIONS: When plants of a specified kind or size are not available within a reasonable distance, the contractor may make substitutions upon request, if approved by the Project Consultant. Proposal for substitution of plant material shall be submitted at least 10 days prior to the final bid date for consideration.

SIZE: All plants shall conform to all measurements specified on the plant list unless otherwise authorized in writing by the Project Consultant.

PRUNING: Each tree and shrub shall be pruned in accordance with American Association of Nurserymen, Inc. standards to preserve the natural character of the plant. All dead wood or suckers and all broken or badly bruised branches shall be removed.

ROOT SYSTEMS: Ball & burlap plants shall be dug with firm natural balls of earth of diameter and depth to include most of the fibrous roots. Container grown stock shall have been grown in a container long enough for the root system to have developed sufficiently to hold its soil together firm and whole. No plants shall be loose in container or ball.

PROTECTION: Root balls trunks, branches and foliage of plants shall be adequately protected at all times from sun and drying wind or frost. Plants with broken roots or excessive damage to the crown shall be replaced, in kind, prior to installation.

MULCH: Immediately following plant installations all tree and shrub planting pits shall be covered with three-inch (3") layer of non-dyed, triple shredded mulch. Ornamental Grasses and Perennial Flowers shall be covered with two-inch (2") larger Final grade of mulch shall be 1/2" below adjacent surface or steel edging to prohibit washout or migration of mulch to adjacent surface.

ANTI-DESICCANT SPRAY: Trees and when planted in leaf shall be treated with anti-desiccant such as "Wilt-Proof".

TOPSOIL: Topsoil used shall be fertile agricultural soil; typical for locally, capable of sustaining vigorous plant growth; taken from drained sites; free of subsoil, rocks, stones, clay or impurities, plants, weeds and roots; pH value minimum 5.4, maximum 7.0; organic content 5 to 7 percent.

- All seed and sod areas shall have a minimum 6" of topsoil applied (depth after rolling).
- All groundcover and ornamental grasses shall have a minimum 12" of topsoil applied (depth after rolling).
- All tree and shrub beds shall have a minimum 18" of topsoil applied (depth after rolling).

STAKING & GUYING: Trees shall be staked and guyed as is detailed on the drawings and according to accepted industry practice, only when directed by Project Consultant.

LAYOUT: The contractor shall layout with identifiable stakes, the location of all plants and the arrangement and outlines of planting beds as indicated on the drawings. Prior to any excavation of plant pits or preparation of plant beds, the Project Consultant shall approve the layout of planting. All planting shall be at the locations indicated on the drawings. The Contractor shall be responsible for planting at the correct grades, alignment and layout of planting beds. Minor adjustments to tree locations may be necessary due to field conditions and final grading. The Contractor shall notify the Project Consultant if major adjustments are anticipated.

ADVERSE CONDITIONS: The contractor shall notify the Project Consultant in writing of any soil or drainage conditions which the Contractor considers detrimental to plant growth. The documented conditions shall include a proposal for correcting the situation, including any change in cost, for review and acceptance by the Project Consultant.

QUANTITY: The quantity of plants in the Plant Schedule is for general reference only. The Contractor shall obtain quantities for pricing by compiling numbers from the plants illustrated on the drawings. Should there be a discrepancy between the drawings and the plant schedule, the quantities illustrated on the drawings shall take precedence.

GUARANTEE: The Contractor shall guarantee all plant material for a full year from the date of initial acceptance. It is the Contractor's responsibility to monitor the project during the guarantee period and notify the Owner in writing if problems are occurring or situations developed that appear detrimental to the plant material. Any plant material that is 25% dead or more shall be considered dead and must be replaced at no charge to the Owner. A tree is considered dead when the main leader has died back or there is 25% of the crown dead.

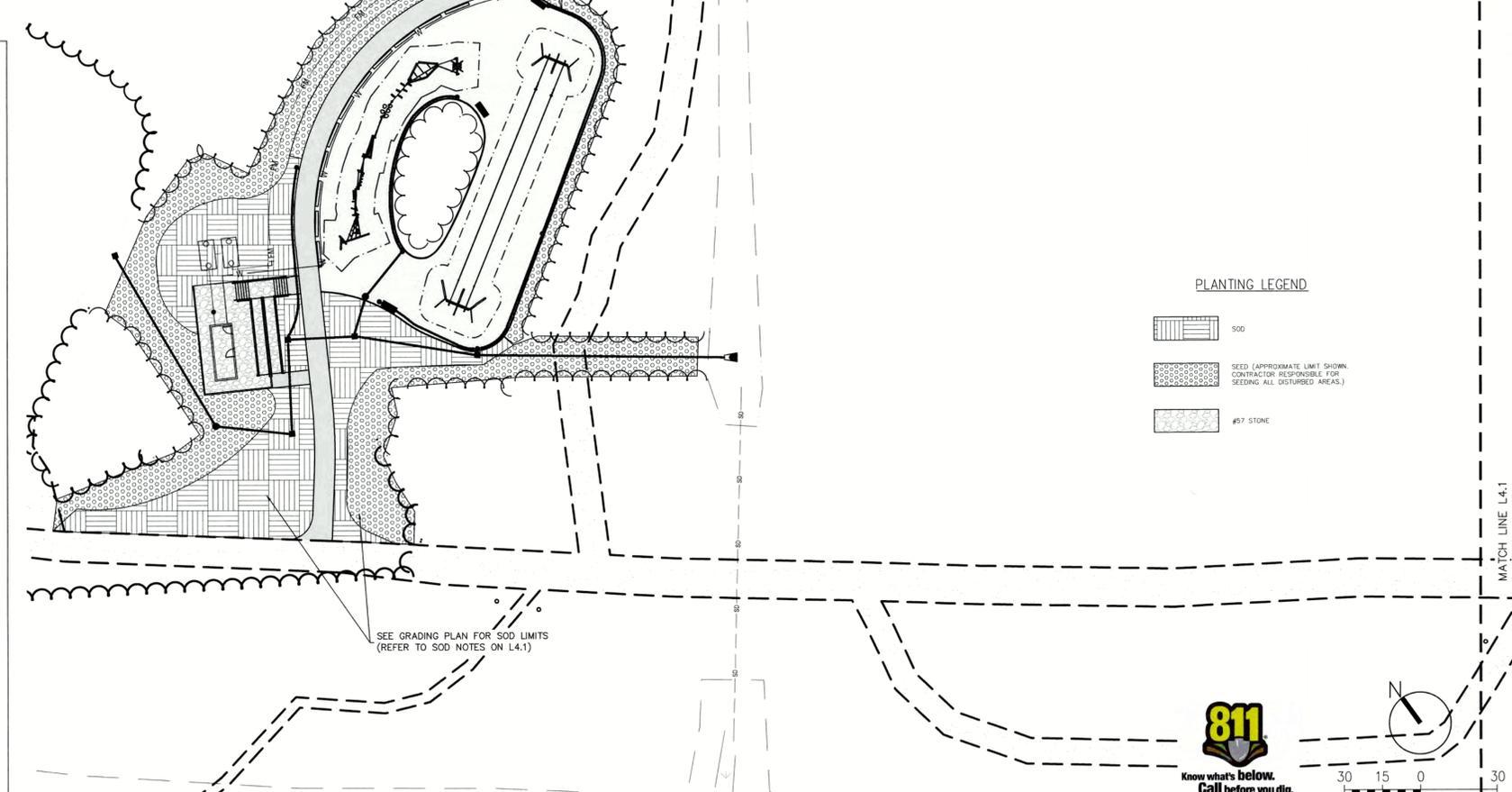
CITY OF GREENVILLE PLANTING NOTES:

A. MINIMUM PLANT SIZES SHALL BE IN ACCORDANCE WITH THE ZONING REGULATIONS AS FOLLOWS:

- | PLANTING MATERIAL TYPE | MINIMUM PLANTING SIZE |
|-----------------------------|---|
| 1. LARGE TREE - SINGLE STEM | 10' (HEIGHT) AND 2" CAL. |
| 2. SMALL TREE | MULTI-STEM
10' (HEIGHT)
8" (HEIGHT) AND 1.5" CAL. |
| 3. SHRUB | 18" (HEIGHT) EXCEPT AS PROVIDED UNDER 9-4-267 |
- B. ALL REQUIRED PLANT MATERIAL (LARGE AND SMALL TREES, SHRUBS) LOCATED IN A SCREENING BUFFERYARD (C.D.E & F) SHALL BE EVERGREEN.
- C. NO PORTION OF ANY PARKING AREA, INCLUDING ANY DRIVEWAY, PARKING SPACE, DRIVE AISLE OR TURNING AREA, SHALL BE LOCATED MORE THAN THIRTY (30) FEET FROM AN ON-SITE SMALL TREE OR MORE THAN SEVENTY-FIVE (75) FEET FROM AN ON-SITE LARGE TREE. FOR PURPOSES OF THIS SECTION, THE MEASUREMENT SHALL BE FROM THE FARTHEST EDGE OF THE SUBJECT AREA TO THE CENTER OF THE BASE OF THE CLOSEST QUALIFYING TREE.
- D. SITE PLAN APPROVAL FROM THE RESPECTIVE EASEMENT HOLDER SHALL BE CONSTRUED AS APPROVAL OF ALL ENCROACHMENTS, AS SHOWN, ON THIS PLAN. (SEE NOTE ON ITEM I.D.)
- E. THE FOLLOWING VEGETATION MATERIALS, AS LISTED BY COMMON NAME, SHALL CONSTITUTE NOT MORE THAN TWENTY-FIVE (25) PERCENT OF THE TOTAL REQUIREMENT FOR THE SPECIFIC CATEGORY:
- | | |
|---------------------------|---|
| LARGE TREE CATEGORY: | RIVER BIRCH |
| SMALL TREE CATEGORY: | ARISTOCRAT PEAR, BRADFORD PEAR, CAPITOL PEAR, CLEVELAND SELECT PEAR |
| EVERGREEN SHRUB CATEGORY: | RED TIP PHOTINIA |
- F. DUMPSTER/COMPACTOR SHALL BE SCREENED ON 3 SIDES IN ACCORDANCE WITH SECTION 9-4-268 (h) OF THE CITY CODE.
- G. EXISTING SUBSTITUTE VEGETATION MATERIALS HAVE BEEN NOTED INCLUDING THEIR SPECIFIC LOCATION(S), TYPE(S), AND SIZE(S).
- H. EXISTING SUBSTITUTE VEGETATION MATERIAL SHALL BE PROTECTED FROM SITE DEVELOPMENT ACTIVITIES IN ACCORDANCE WITH SECTION 9-4-265 (E) OF THE CITY CODE.
- I. NO LARGE TREES TO BE PLANTED WITHIN SANITARY SEWER OR WATERLINE EASEMENTS.
- J. PARKING LOT AREA TO BE SCREENED IN ACCORDANCE WITH SECTION 9-4-268 (i) OF THE CITY CODE. PARKING AREA SCREENING SHALL BE INSTALLED WITHIN A 10 FOOT AREA ADJACENT TO AND EXTENDING THE FULL STREET SIDE WIDTH OF ALL PARKING AREAS WHICH FRONT A PUBLIC OR PRIVATE STREET.
- K. MINIMUM OF 3 FEET CLEARANCE MUST BE MAINTAINED AROUND ALL FIRE HYDRANTS IN ACCORDANCE WITH STATE BUILDING CODE.
- L. VEGETATION WITHIN 10' OF BUILDING SHALL NOT COUNT TOWARD SITE REQUIREMENTS.

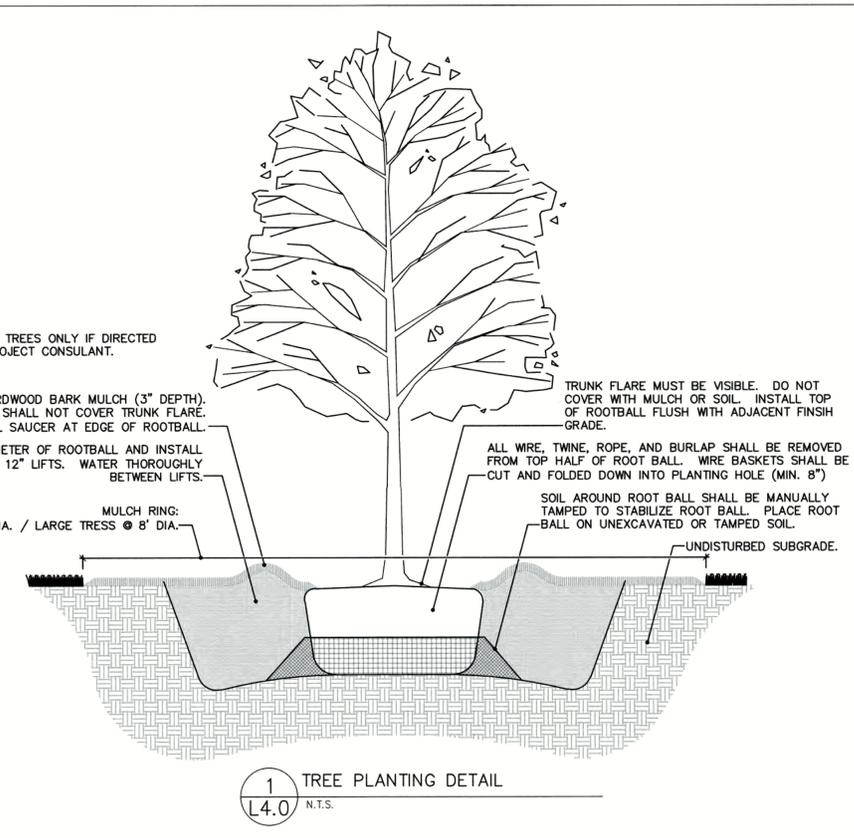
VEGETATION REQUIREMENTS PER ARTICLE P, CITY OF GREENVILLE, NC ZONING REGULATIONS

- A. REQUIRED VEGETATION PER ACRE FOR 3.9 ACRE SITE:
- LARGE TREES (5 x 3.9 ACRE) = 20
(2) SHOWN AND (18) EXISTING 2" CAL./10' HT. TREES
 - SMALL TREES (10 x 3.9 ACRE) = 39
(0) SHOWN AND (20) EXISTING 2" CAL./10' HT. TREES
SUBSTITUTED FOR (39) SMALL TREES
 - SHRUBS (25 x 3.9 ACRE) = 98
(0) SHOWN AND (20) EXISTING 2" CAL./10' HT. TREES
SUBSTITUTED FOR (98) SHRUBS
- PROPOSED VEGETATION SUBSTITUTIONS:
- EXISTING 2" CAL. OR MORE, BUT LESS THAN 6" CAL., LARGE TREES (10' MIN. HT.) FOR (2) SMALL TREES OR (5) SHRUBS.
 - PROJECT AREA INCLUDES APPROXIMATELY 0.10 ACRES OF WOODS (60+ 2" CALIPER / 10'+ HT. TREES) THAT WILL NOT BE DISTURBED.
- B. REQUIRED STREET TREE VEGETATION: 2 LARGE TREES PER 100LF NOT REQUIRED - LIMIT OF DISTURBANCE NOT ADJACENT TO OLD PACTOLUS ROAD
- C. REQUIRED SCREENING VEGETATION FOR BUFFER YARDS NOT APPLICABLE (AREA OF DISTURBANCE NOT ADJACENT TO PROPERTY LINE)
- D. REQUIRED VEGETATION LOCATED IN PUBLIC UTILITY OR DRAINAGE EASEMENTS: NOT APPLICABLE



PLANTING LEGEND

- [Hatched Box] SOD
- [Dotted Box] SEED (APPROXIMATE LIMIT SHOWN. CONTRACTOR RESPONSIBLE FOR SEEDING ALL DISTURBED AREAS.)
- [Stippled Box] #57 STONE



THE EAST GROUP

Engineering Architecture
Surveying Technology

Corporate Office
324 Evans Street
Greenville, NC 27858
Tel 252.759.3748
Fax 252.830.3854

Branch Office
4325 Lake Boone Trail, Suite 311
Raleigh, NC 27607
Tel 919.794.9330
Fax 919.784.9331

NC Engineering License No. C-0206
NC Architectural License No. 50213
NC Landscape Architectural License No. C-427

Revision table with columns for DATE, DESCRIPTION, and initials.

Professional seal for Michael S. Smith, North Carolina Professional Landscaper, License No. 1509, dated 8-1-24.

CHK	MS
BY	AF
DESCRIPTION	ISSUE FOR CONSTRUCTION
DATE	03-01-24
REV	0

PROJECT NO: 20230059
DATE: 12.21.23
PROJECT TITLE: **Greenville** NORTH CAROLINA
WILDWOOD PARK PART I IMPROVEMENTS
DRAWING TITLE: **PLANTING PLAN (WEST)**
DRAWING NO: **L4.0**

811 Know what's below. Call before you dig.

Scale: 30 15 0 30
North arrow pointing up.

I:\Projects\2023\0059_Wildwood Park Part I Improvements\Drawings\20230059_L1_SHEETS.dwg

TURFGRASS SOD NOTES

Certification - The Contractor shall furnish and install Certified 'TifTuf' Bermuda Sod, grown from certified high quality seed of local origin. Sod shall be inspected by the official certification agency of the state to assure satisfactory genetic identity and purity, overall high quality and freedom from noxious weeds and excessive amounts of other crop and weedy plants at time of harvest. Sod must meet the published state standards for certification. Install only between September and May inclusive.

Material - Sod should be of uniform thickness, approximately 1" plus or minus 1/4" at the time of cutting. Sod should be vigorous and dense and be able to retain its own shape and weight when suspended vertically with a firm grasp from the upper 10% of the strip. Broken pads or torn and uneven ends will not be acceptable. Only moist, fresh unheated sod should be used. Sod should be harvested, delivered and installed within a period of 16 hours.

Soil Amendments - All fertilizers shall be uniform in composition, free flowing and suitable for application with approved equipment. Fertilizer application rates shall be determined by soil tests. Distribute evenly over area to be sodded. Lime and fertilizer shall be uniformly mixed into the top 2 inches of soil by discing, harrowing or other approved methods.

The final determination of the use and application rates of all soil amendments including fertilizers, low and high pH correction materials shall be based upon recommendations of the state agricultural extension service for the variety of turfgrass being specified.

Fertilizer shall be applied at the rate of 500 pounds per acre or 11 pounds per 1,000 square feet using 10-20-10 or equivalent. In addition, 300 pounds 38-0-0 per acre or equivalent of slow release nitrogen shall be used in lieu of top dressing. Apply limestone (equivalent of 50 percent calcium plus magnesium oxides) as follows:

Work pulverized dolomitic limestone lime and fertilizer into the soil as nearly as practical to a depth of 4 inches with a disc, springtooth harrow or other suitable equipment. The final harrowing or discing operation should be on the general contour. Continue tillage until a reasonable uniform, fine seedbed is prepared.

TOPSOIL: Topsoil used shall be fertile agricultural soil; typical for locality; capable of sustaining vigorous plant growth; taken from drained sites; free of subsoil, stones, clay or impurities, plants, weeds and roots; pH value minimum 5.4, maximum 7.0; organic content 5 to 7 percent.

All seed and sod areas shall have a minimum 6" of topsoil applied (depth after rolling).

Soil Preparation - Remove from the surface all objects that would prevent good sod to soil contact and remove all other debris such as wire, rocks, tree roots, pieces of concrete, clods, lumps or other unsuitable material. Inspect site just before sodding. If traffic has left the soil compacted, the area must be retilled and firmed as above.

Installation - Place sod strips with snug even joints that are staggered open, spaces invite erosion. Roll or tamp sod immediately following placement to insure solid contact or foot mat and soil surface. Do not overlap sod. All joints should be butted tightly in order to prevent voids, which would cause drying of the roots.

Slopes - Sod strips shall be laid on the contour, never up and down the slope. Starting at the bottom of the slope, and working up on steep slopes, the use of ladders will facilitate the work and prevent damage to the sod. During periods of high temperature, lightly irrigate the soil immediately prior to laying the sod.

On slopes greater than 3 to 1, secure sod to surface soil with wood pegs, wire staples, or split shingles (8 to 10 inches long by 3/4 inch wide). When surface water cannot be diverted from flowing over the face of the slope, provide a capping strip of heavy jute or plastic netting, properly secured, along the crown of the slope and edges to provide extra protection against lifting and undercutting of the sod. The same technique can be used to anchor sod in water-carrying channels and other critical area. Wire staples must be used to anchor netting in channel work.

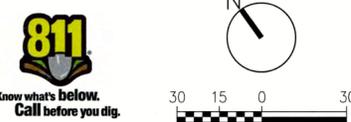
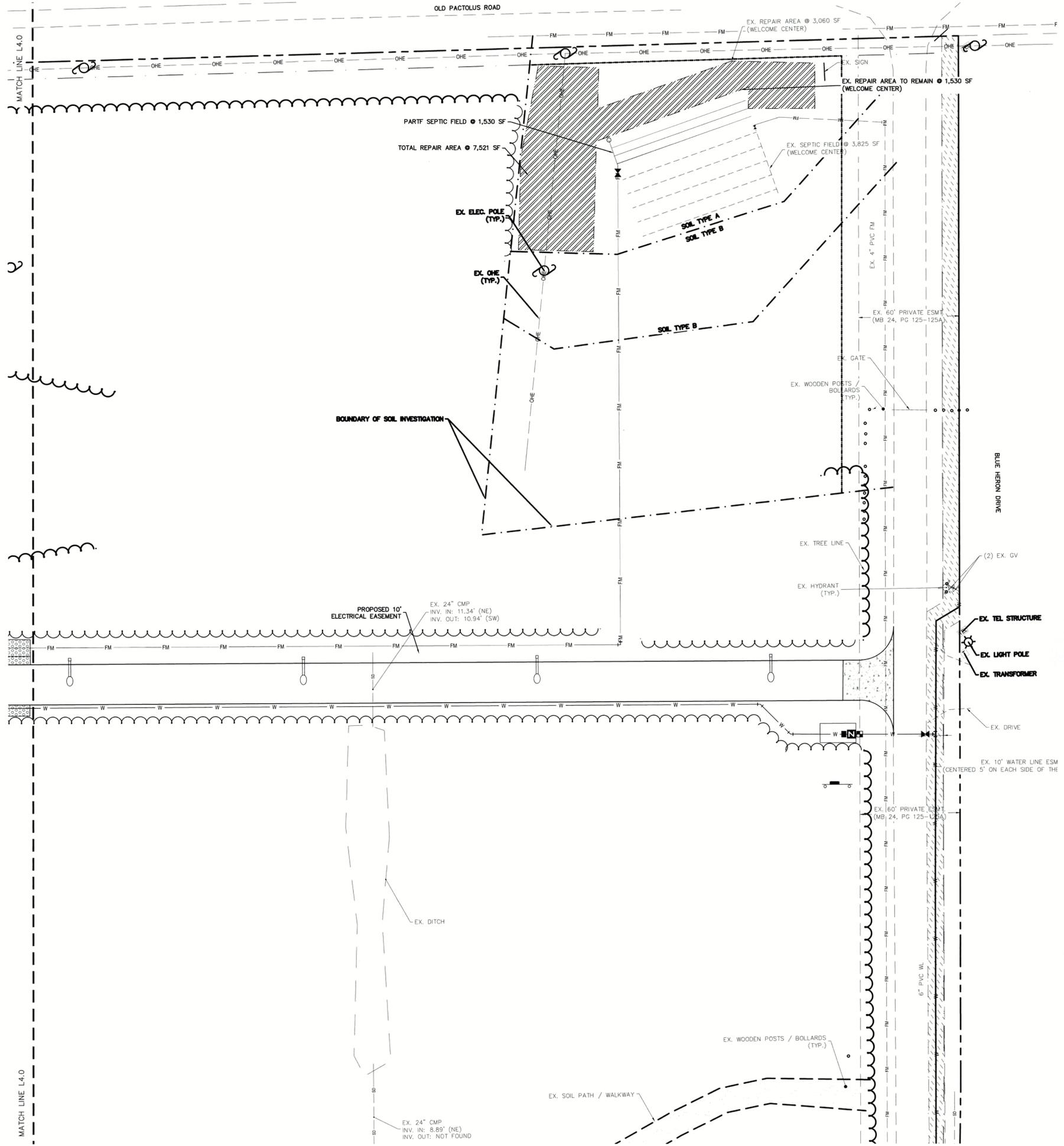
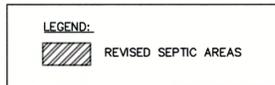
Watering - immediately following installation, sod should be watered until moisture penetrates the soil layer beneath sod to a depth of 4 inches. The Contractor shall insure the maintenance of optimum moisture for at least two weeks.

Topdressing - if slow release nitrogen (300 pounds 38-0-0 per acre or equivalent) is used in addition to suggested fertilizer, then a follow-up of topdressing is not mandatory. Sod will require an application of fertilizer such as 10-20-10 or equivalent at 400 pounds per acre or 10 pounds per 1,000 square feet.

Protection - The Contractor shall provide adequate protection for lawn areas at all times against damage of any kind during installation or other related operations. Such protection shall be maintained from the completion of site preparation to the completion of Contract work.

Mowing - Turfgrass shall be allowed to grow to a height of 3 inches prior to the first mowing. The grass shall be properly mowed to a height of 2 to 2 1/2 inches. Never, in any case, cut more than 1/3 the height of the grass. The Contractor shall be responsible for at least the first 2 mowings and any other mowing necessary until final acceptance.

Guarantee - The Contractor shall guarantee that upon completion and acceptance of the work, all portions thereof will be in accordance with the Contract and specifications. The same condition shall remain for a period of one year. The Contractor shall further warrant that during the period of the guarantee, he will make good any defects to the work and all damage caused to property of the Owner by such defects or by the work required to remedy such defects.



THE EAST GROUP
 ■ Engineering ■ Architecture
 ■ Surveying ■ Technology

Corporate Office
 324 Evans Street
 Greenville, NC 27858
 Tel 252 796 3748
 Fax 252 830 3954

Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919 794 9330
 Fax 919 784 9331

NC Engineering License No. C-0206
 NC Architectural License No. 50213
 NC Landscape Architectural License No. C-427



REV	DATE	DESCRIPTION
0	02-01-24	ISSUE FOR CONSTRUCTION

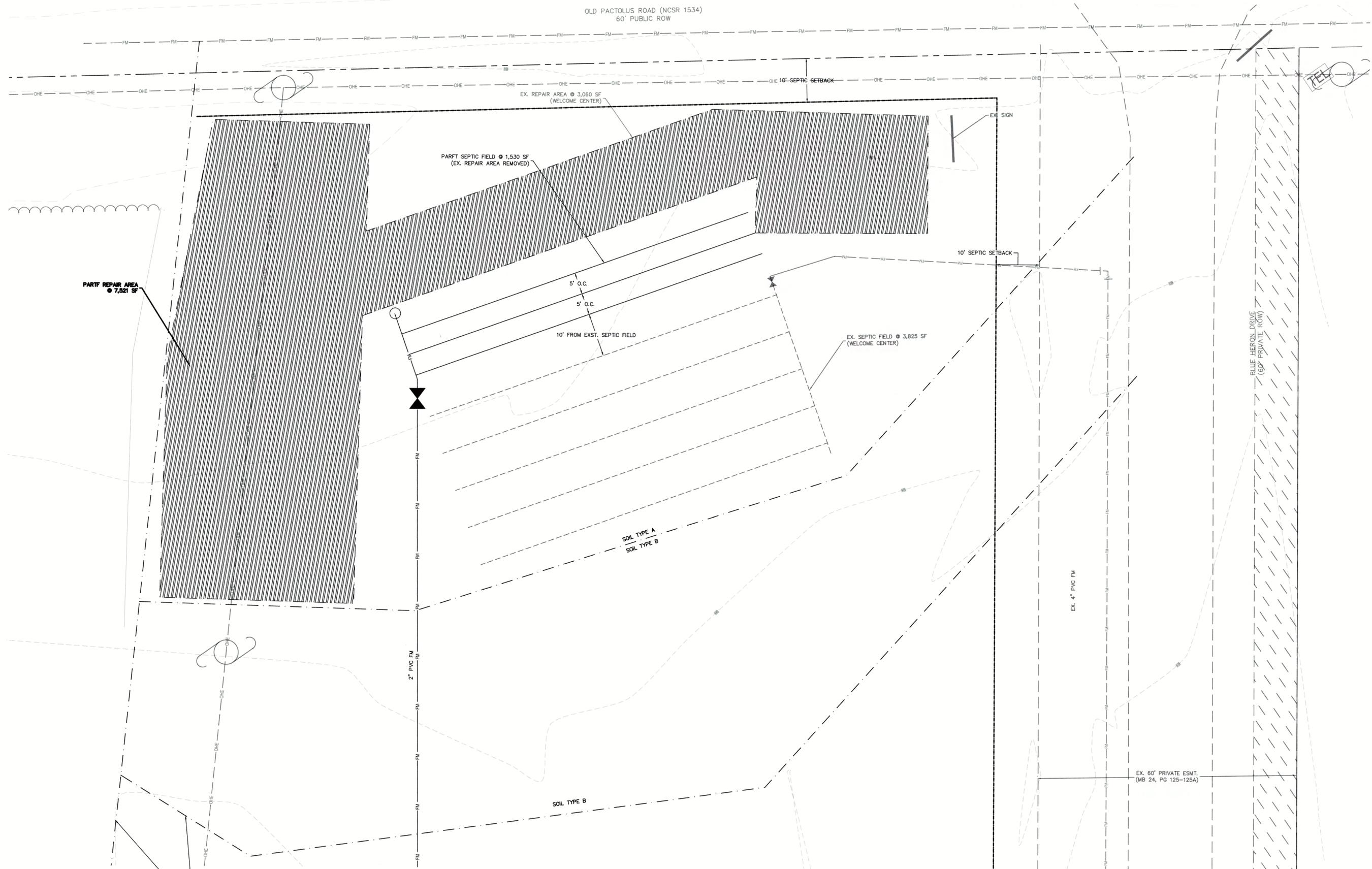
PROJECT NO: 20230059
 DATE: 12.21.23

Greenville NORTH CAROLINA

WILDWOOD PARK
 PART I IMPROVEMENTS

PLANTING PLAN (EAST)

L4.1



REV.	DATE	DESCRIPTION	BY	CHK
0	03-01-24	ISSUE FOR CONSTRUCTION	AF	MS

REG PROJECT NO: 20230059

DATE: 12.21.23

PROJECT TITLE
Greenville
 NORTH CAROLINA
WILDWOOD PARK
 PARTF IMPROVEMENTS

DRAWING TITLE
SEPTIC FIELD PLAN
(FORCE MAIN)

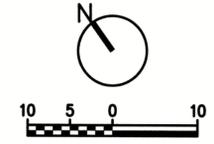
DRAWING NO:
C3.1

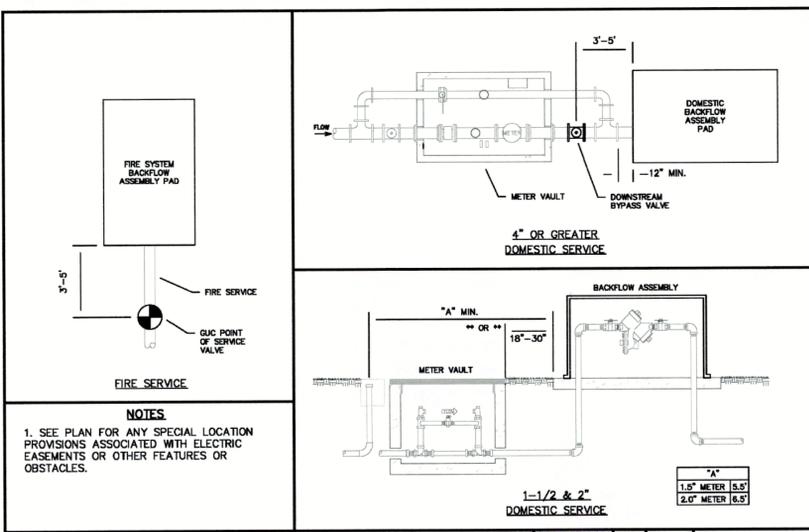
SEPTIC LEGEND:

	ADDITIONAL REPAIR AREA (SEPTIC)
	SOIL TYPES

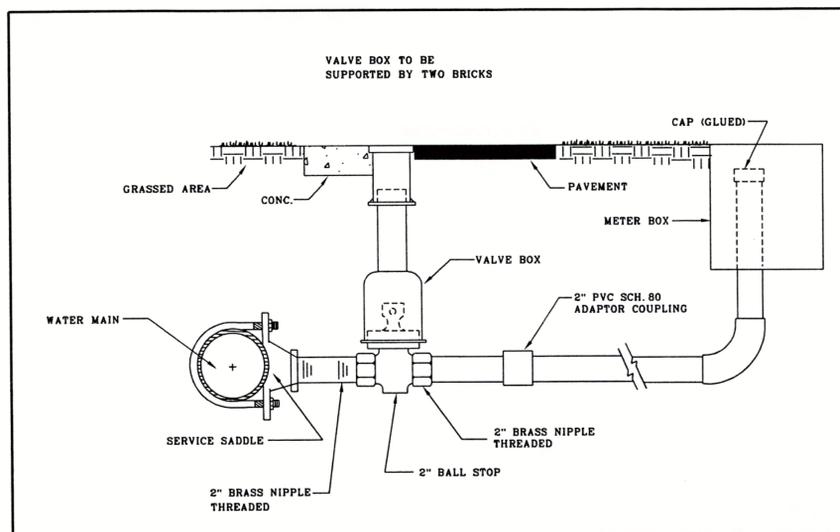
SEPTIC CALCULATIONS

EXISTING (WELCOME CENTER)	
SEPTIC FIELD:	3,825 SF
REPAIR AREA:	3,060 SF
PARTF IMPROVEMENTS	
SEPTIC FIELD:	1,530 SF
EXISTING REPAIR AREA REMOVED:	1,530 SF
PARTF REPAIR AREA REQUIRED:	5,355 SF
PARTF REPAIR AREA PROVIDED:	5,991 SF
TOTAL SEPTIC AREA:	5,355 SF
TOTAL REPAIR AREA:	7,521 SF

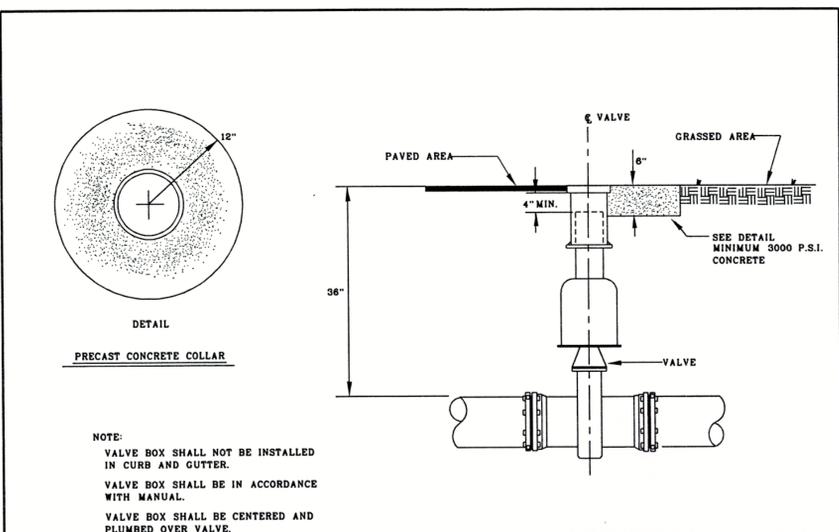




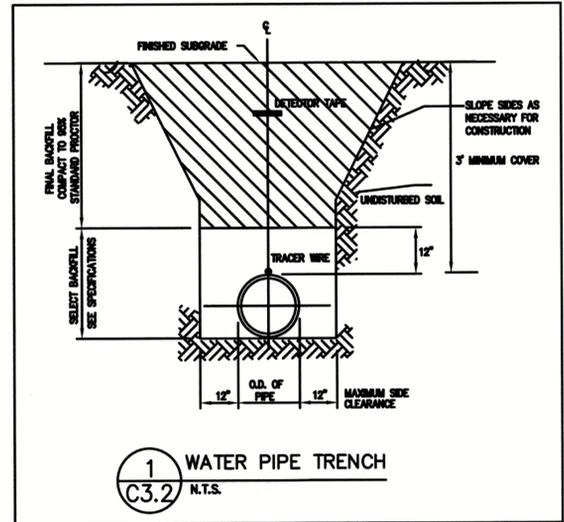
SHEET	DWG. NO.	DWG. JB	DATE	APP	CHC
1 OF 1	W-20		6/23/2021	APP	CHC



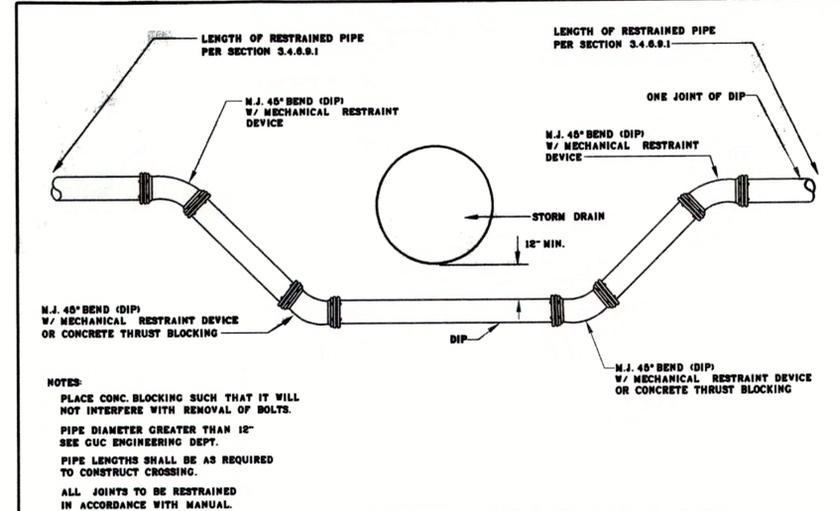
SHEET	DWG. NO.	DWG. N. WOOTEN	DATE	APP	H. COREY
1 OF 1	W-3		3-12-99	APP	H. COREY



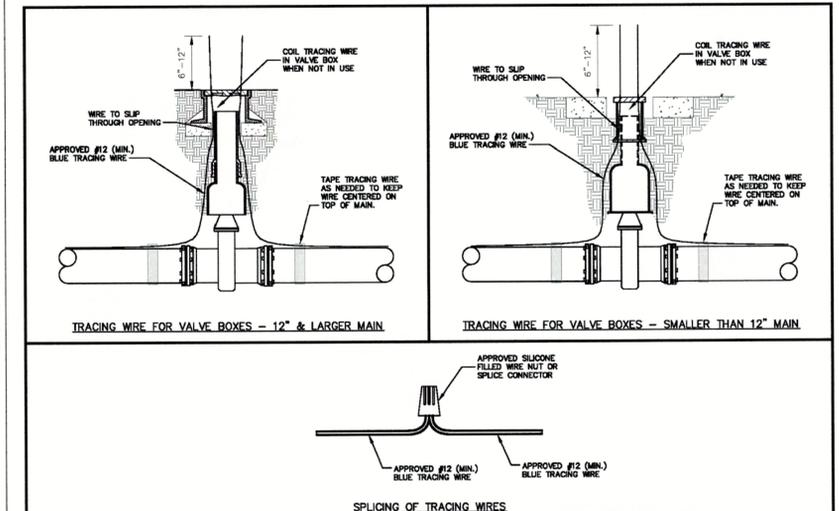
SHEET	DWG. NO.	DWG. N. WOOTEN	DATE	APP	H. COREY
1 OF 1	W-7		3-12-99	APP	H. COREY



- INSTALLATION NOTES:**
- POUR THRUST COLLAR. (LET SET FOR 72 HOURS MINIMUM)
 - CLOSE EXISTING VALVE AT OLD PACTOLUS ROAD.
 - INSTALL NEW VALVE. (GRIPPED TO EXISTING PIPE)
 - OPEN VALVE AT ROAD AND FLUSH WELL.
 - LAY NEW MAIN. (WITH NEW VALVE CLOSED)



SHEET	DWG. NO.	DWG. N. WOOTEN	DATE	APP	H. COREY
1 OF 1	W-14		3-12-99	APP	H. COREY



SHEET	DWG. NO.	DWG. JB	DATE	APP	CHC
1 OF 1	W-21		8/3/2021	APP	CHC



REV	DATE	DESCRIPTION
0	03-01-24	ISSUE FOR CONSTRUCTION

TEC PROJECT NO. 20230059

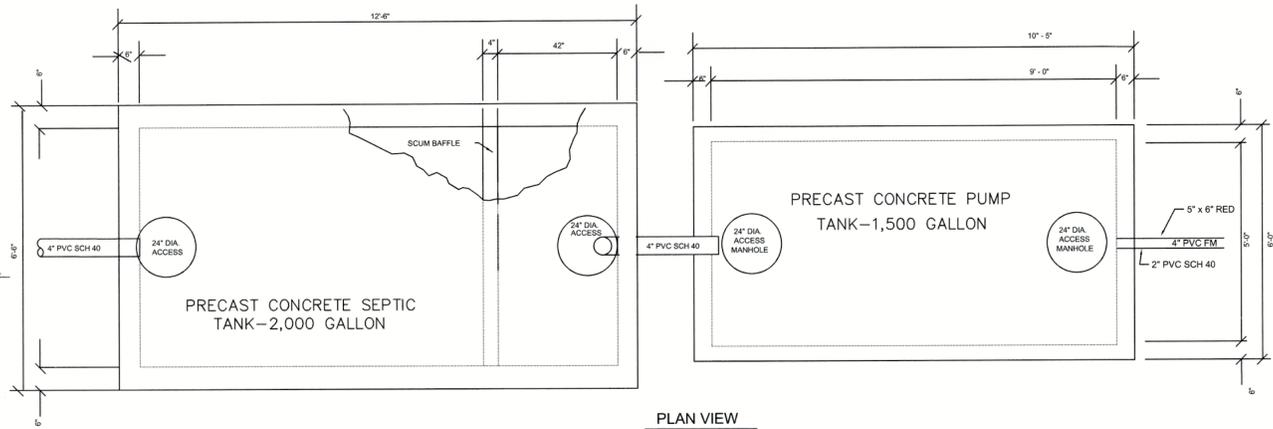
DATE: 12.21.23



PROJECT TITLE: WILDWOOD PARK PART I IMPROVEMENTS

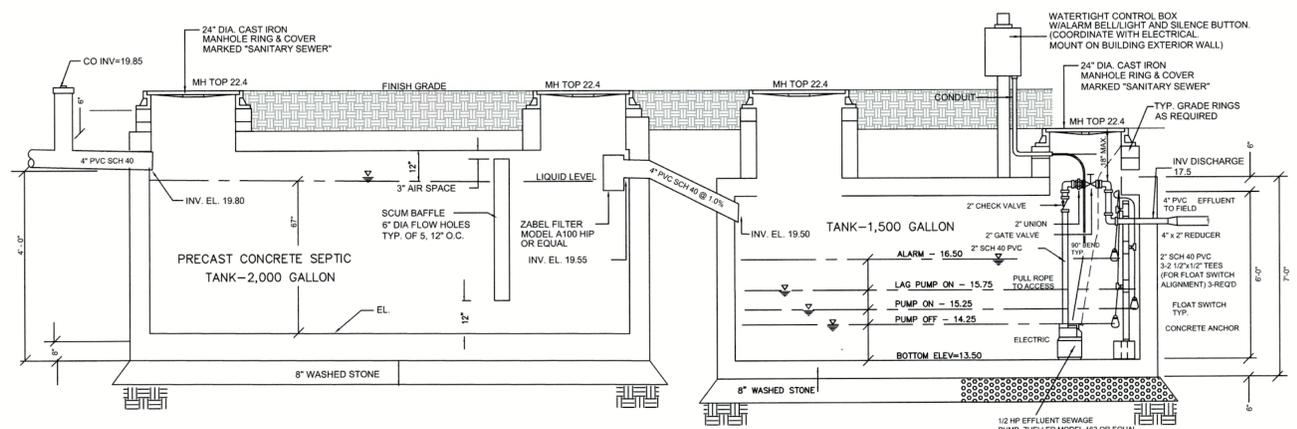
DRAWING TITLE: UTILITY DETAILS (WATER)

DRAWING NO. C3.2

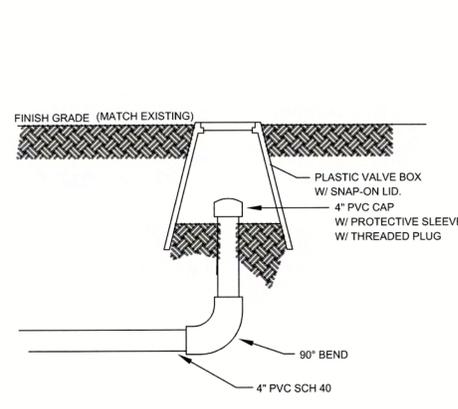


1 2,000 GALLON SEPTIC TANK DETAIL
 C3.3 N.T.S.

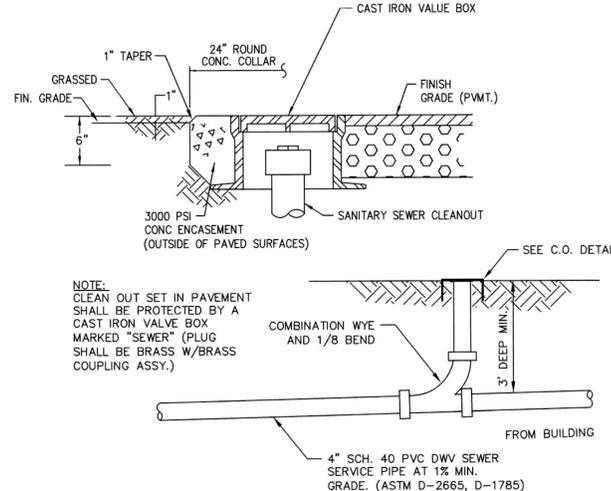
2 1,500 GALLON PUMP TANK DETAIL
 C3.3 N.T.S.



SECTION A-A

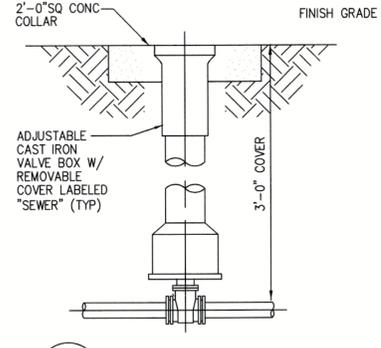


3 TURNED UP END-DETAIL
 C3.3 N.T.S.

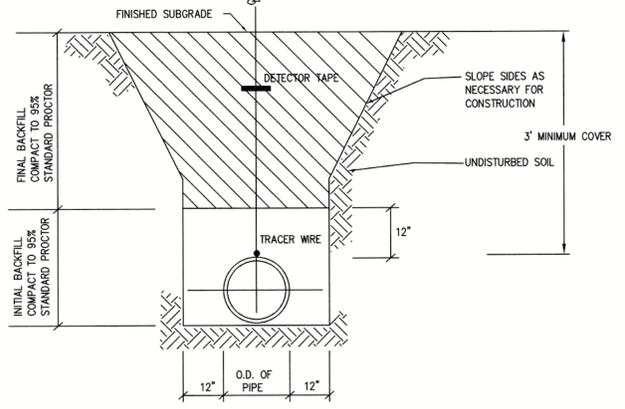


NOTE: SEWER SERVICE TRENCH SHALL BE COMPACTED TO 95% STANDARD PROCTOR.

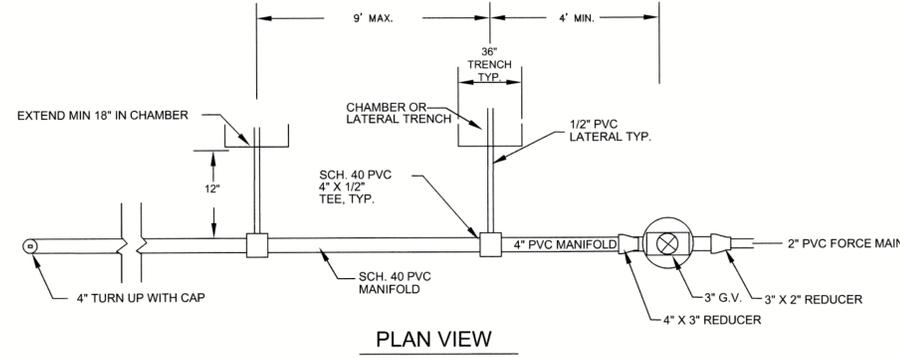
4 SEWER CLEANOUT DETAIL
 C3.3 N.T.S.



5 SEWER VALVE BOX
 C3.3 N.T.S. GATE VALVE

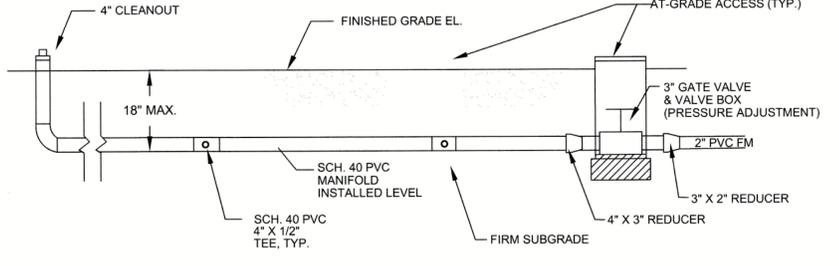


6 SEWER TRENCH DETAIL
 C3.3 N.T.S.



PLAN VIEW

7 MANIFOLD DETAIL
 C3.3 N.T.S.



SECTION VIEW



REV	DATE	DESCRIPTION
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Greenville
 NORTH CAROLINA
 WILDWOOD PARK
 PART I IMPROVEMENTS

DRAWING TITLE
 UTILITY DETAILS
 (FORCE MAIN)

DRAWING NO.
 C3.3

ELECTRICAL GENERAL NOTES

- EC SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT AND NATURE OF THE WORK REQUIRED. ANY DIFFICULTIES IN COMPLYING WITH THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER PRIOR TO SUBMITTING A BID.
- PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT, AND PERFORM ALL OPERATIONS NECESSARY FOR THE INSTALLATION OF COMPLETE ELECTRICAL WORK WITHIN THE INTENT OF, AND AS INDICATED ON, THE DRAWINGS AND AS HEREIN SPECIFIED.
- CONTRACTOR'S QUALIFICATIONS: IT IS ASSUMED THE CONTRACTOR HAS HAD SUFFICIENT GENERAL KNOWLEDGE AND EXPERIENCE TO ANTICIPATE THE NEEDS OF CONSTRUCTION OF THIS NATURE. THE CONTRACTOR SHALL PROVIDE ALL ITEMS REQUIRED TO COMPLETE THE CONSTRUCTION IN ACCORDANCE WITH REASONABLE INTERPRETATION OF THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
- THE DESIGN CONTAINED IN THE CONTRACT DOCUMENTS IS BASED ON EQUIPMENT BY SPECIFIC MANUFACTURERS. SUBSTITUTION REQUESTS BY THE EC MAY ONLY BE MADE PRIOR TO SUBMITTING A BID AND WILL BE REVIEWED AT THE DISCRETION OF THE ENGINEER. WHEN ANY EQUIPMENT IS PROVIDED BY MANUFACTURERS OTHER THAN THOSE SPECIFIED, THE EC SHALL BE RESPONSIBLE FOR VERIFYING THAT SUCH EQUIPMENT WILL MEET THE DESIGN INTENT (DIMENSIONS, CAPACITIES, ELECTRICAL REQUIREMENTS, ETC.). ANY ADDITIONAL COSTS ASSOCIATED WITH PROVIDING SUCH EQUIPMENT, INCLUDING BUT NOT LIMITED TO INCREASING THE CAPACITY OF ELECTRICAL SERVICES (DISCONNECTS, BREAKERS, WIRING, CONDUIT, ETC.), INCREASING HOUSEKEEPING PAD SIZES, PROVIDING ADDITIONAL STRUCTURAL SUPPORT OR INSTALLATION OF EQUIPMENT IN DIFFERENT LOCATIONS THAN INDICATED ON THE DRAWINGS SHALL BE INCLUDED IN THE EC'S BID.
- EC SHALL OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS, TESTS, ETC. AS REQUIRED FOR PROPER EXECUTION AND COMPLETION OF THE WORK.
- EC SHALL COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES. NO ALLOWANCES WILL BE MADE ON THE EC'S BEHALF FOR FAILURE TO COORDINATE WITH OTHER TRADES. ANY COORDINATION CONFLICTS WHICH ARISE SHALL BE IMMEDIATELY REPORTED TO THE GC AND OWNER'S REPRESENTATIVE.
- EC SHALL BE RESPONSIBLE FOR ALL SAW-CUTS, CORE-DRILLS, AND PENETRATIONS. EC SHALL PATCH FLOORS, WALLS, PARTITIONS, CEILINGS, ROOFS, AND OTHER SURFACES AS REQUIRED TO RESTORE TO INITIAL CONDITIONS FOR CONDUIT OR OTHER INSTALLATIONS.
- EC SHALL SEAL ALL PENETRATIONS THROUGH NEW AND EXISTING WALLS, FLOORS, ROOFS, CHASES, ETC. DUE TO ANY DEMOLITION OR NEW WORK IN ORDER TO MAINTAIN THE INTEGRITY OF THE SYSTEM (SMOKE RATED, SMOKE PARTITIONS, FIRE RATED, ETC.).
- EC SHALL PROVIDE APPROPRIATE SEALING WITH APPROVED MATERIAL WHERE RACEWAY PASSES FROM INTERIOR TO EXTERIOR OF A BUILDING.
- EC SHALL PROVIDE AND INSTALL ALL PHENOLIC NAMEPLATES FOR ALL ELECTRICAL EQUIPMENT & DEVICES. LABEL SHALL INDICATE PANEL AND CIRCUIT NUMBER SUPPLYING POWER TO THE DEVICE. EC SHALL PROVIDE REQUIRED SIGNS FOR PANELS, SWITCHGEAR, STARTERS, VFDs, AND ETC. NAMEPLATES TO BE MECHANICALLY SECURED WITH NON-FERROUS FASTENERS.
- EC SHALL PROVIDE AND INSTALL ALL WARNING AND CAUTION SIGNS AS REQUIRED BY NEC & NFPA 70E FOR SWITCHBOARDS, PANELBOARDS, ETC., INCLUDING BUT NOT LIMITED TO, "WARNING - ARC FLASH HAZARD - APPROPRIATE PPE REQUIRED".
- ALL AFF DIMENSIONS ARE REFERENCED TO CENTER OF EQUIPMENT/DEVICE UNO.
- EACH RECEPTACLE CIRCUIT AND LIGHTING CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. ENSURE COMPLIANCE WITH NEC REGARDING ALLOWABLE AMPACITIES AND DERATING (ADJUSTMENT) FACTORS ON INSTALLATION OF CONDUIT AND CONDUCTORS.
- UPON MODIFICATION OR CONNECTION TO EXISTING SYSTEMS, POWER AND/OR SECONDARY SYSTEMS SHALL NOT BE INTERRUPTED WITHOUT PRIOR CONSENT OF OWNER AND A DEFINITE UNDERSTANDING OF THE DURATION OF THE OUTAGE.
- ALL CONDUCTORS SHALL BE INSULATED COPPER UNLESS NOTED OTHERWISE. CONDUCTORS #10 AND SMALLER SHALL BE SOLID; CONDUCTOR #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS SHALL BE THWN-2 OR XHHW-2, 90° C RATED.
- ALL 240V/120V POWER WIRING INSULATION SHALL BE COLOR CODED (NO EXCEPTIONS). PHASE A-BLACK; PHASE B-RED; NEUTRAL-WHITE; TRAVELERS-PURPLE; AND GROUNDING CONDUCTORS-GREEN. COLOR CODED TAPE NOT ALLOWED.
- WIRING DEVICES SHALL BE 20 AMP MINIMUM AND SHALL BE OF THE GROUNDING TYPE, WITH HEX-HEAD GREEN GROUNDING SCREW, TO BE CONNECTED TO THE GREEN GROUND CONDUCTOR. SELF-GROUNDING TYPE IS NOT ACCEPTABLE. RECEPTACLES SHALL BE GENERAL USE MEETING NEMA WD 1, NEMA WD 6, DSCC W-C-596G, AND UL-498 AND SHALL BE APPROVED THIRD-PARTY LISTED.
- INSIDE CONDUITS SHALL BE EMT, IMC, OR RMC. CONNECTIONS TO VIBRATING EQUIPMENT SHALL BE LFMC.
- OUTSIDE ABOVE GROUND CONDUITS SHALL BE RMC. CONNECTIONS TO VIBRATING EQUIPMENT SHALL BE LFMC.
- CONDUITS MOUNTED 8'-0" AFF OR LESS. WHERE SUBJECT TO PHYSICAL DAMAGE, THE PORTION OF CONDUIT MOUNTED BELOW 8'-0" AFF SHALL BE RMC.
- UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED STEEL (RMC) OR PVC SCHEDULE 40 ONLY. ALL BENDS SHALL BE RIGID GALVANIZED STEEL. ALL CONCRETE SLAB PENETRATIONS SHALL BE RIGID GALVANIZED STEEL AND CONDUIT SHALL EXTEND AT A MINIMUM OF 1'-0" PAST TOP OF CONCRETE SLAB. UNDERGROUND STEEL CONDUIT SHALL BE WRAPPED WITH BITUMEN TAPE TO 0'-6" ABOVE FINISHED GRADE.
- UNDERGROUND PVC CONDUITS SHALL BE INSTALLED AT A MINIMUM OF 36" BELOW FINISHED GRADE WITH DETECTABLE BURIAL TAPE. CHANGE FROM PVC TO RIGID GALVANIZED STEEL CONDUIT PRIOR TO TURNING UP AT ANY LOCATION. ALL EXCAVATION (DIGGING, TRENCHING, BACK FILLING, ETC.) SHALL BE PROVIDED BY CONTRACTOR. BOND RIGID GALVANIZED STEEL CONDUIT TO GROUND.
- ALL NON-METALLIC CONDUIT INSTALLED UNDERGROUND SHALL HAVE A TRACER WIRE INSTALLED ON THE TOP SIDE OF EACH CONDUIT. THE TRACER WIRE SHALL BE #12 COPPER-CLAD STEEL REINFORCED SINGLE CONDUCTOR WIRE INSULATED WITH ORANGE COLORED HOPE INSULATION (30 MILS) EQUAL TO COPPERHEAD INDUSTRIES BRAND. THE TRACER WIRE SHALL BE CONTINUOUS ALONG THE ENTIRE LENGTH OF THE CONDUIT AND SHALL TERMINATE WITH WATERPROOF CONNECTORS. PROVIDE 24" OF EXCESS TRACER WIRE IN EACH PULL BOX OR CONDUIT END.
- ELECTRICAL CONTRACTOR SHALL LOCATE ELECTRICAL CONDUITS OUTSIDE THE DRIP LINE OF EXISTING TREES TO THE GREATEST EXTENT POSSIBLE.
- EMT CONDUIT COUPLINGS, CONNECTORS, AND FITTINGS SHALL BE STEEL HEXAGONAL COMPRESSION TYPE ONLY. SET SCREW COUPLINGS, CONNECTORS, AND FITTINGS SHALL NOT BE ALLOWED.
- WHERE INSTALLING CONDUITS, BOXES, EQUIPMENT, ETC., IN WET OR DAMP LOCATIONS, INSTALL CONDUITS, BOXES, EQUIPMENT, ETC. AT A MINIMUM OF 1/4-INCH FROM THE MOUNTING SURFACE WITH CLAMP BACKS OR STRUT.
- EXISTING CONDITIONS THAT ARE NOT INDICATED TO BE DEMOLISHED, BUT ARE DAMAGED AS A RESULT OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE EC TO MATCH EXISTING ADJACENT CONDITIONS.
- THE EC SHALL KEEP THE CONSTRUCTION AREA AND SURROUNDING AREAS FREE FROM THE ACCUMULATION OF WASTE MATERIALS AND DEBRIS CAUSED BY THE WORK.
- EC SHALL VERIFY EXISTING CONDITIONS PRIOR TO EXECUTION OF THE WORK. SOME OR ALL INFORMATION ABOUT EXISTING CONDITIONS SHOWN ON THE DRAWINGS MAY BE BASED SOLELY ON EXISTING RECORD DRAWINGS AND MAY OR MAY NOT HAVE BEEN VERIFIED BY THE ARCHITECT OR ENGINEER.
- ALL MATERIALS SHALL BE NEW AND SHALL BEAR THE 3RD PARTY LISTED APPROVAL FOR THEIR INSTALLED APPLICATION. THIRD PARTY AGENCIES SHALL BE AMONGST THOSE ACCREDITED BY THE NCBCC (NORTH CAROLINA BUILDING CODE COUNCIL) TO LABEL ELECTRICAL & MECHANICAL EQUIPMENT.
- FOR ALL ELECTRICAL CIRCUITS, EC SHALL IDENTIFY THE CIRCUIT NUMBER IN THE DESIGNATED PANEL. SHALL MARK THE CIRCUIT NUMBER ON THE DRAWINGS, AND SHALL TURN OVER THE MARKED UP DRAWINGS TO OWNER. EC SHALL UPDATE THE PANEL SCHEDULES UPON COMPLETION OF CONSTRUCTION. IN THE EVENT THE PANEL(S) DO NOT HAVE ADEQUATE SPARE CIRCUITS OR CAPACITY, EC SHALL NOTIFY OWNER FOR RESOLUTION OF ISSUE.
- NEW AND EXISTING PANEL SCHEDULES SHALL BE UPDATED (TYPED-ONLY) UPON COMPLETION OF THE WORK TO ACCURATELY INDICATE INSTALLED CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL COORDINATE LOCATING EXISTING UNDERGROUND UTILITIES WITH OWNER, OWNER'S ON-SITE ENGINEER, AND NC ONE CALL (811) PRIOR TO ANY WORK.
- EC SHALL BE LICENSED IN NC, AND SHALL INSTALL ALL ELECTRICAL EQUIPMENT, WIRING, DEVICES, ETC. AS PER NEC, AND OTHER APPLICABLE STATE AND LOCAL CODES.
- ALL EQUIPMENT ENCLOSURE PENETRATIONS SHALL BE ON THE BOTTOM OF THE ENCLOSURE. PENETRATIONS ARE NOT ALLOWED ON THE TOP OR SIDE OF THE ENCLOSURE.
- CONTRACTOR SHALL PROVIDE CIRCUIT IDENTIFICATION LABELS AT EACH POLE MOUNTED LIGHTING FIXTURE POLE LOCATION & AT EACH GROUND MOUNTED PULL BOX LOCATION. LABELS SHALL BE INSTALLED ON THE OUTSIDE OF EACH LIGHT FIXTURE POLE, INSIDE EACH LIGHT FIXTURE POLE BASE AT THE HAND HOLE, & INSIDE EACH PULL BOX. WHERE MORE THAN ONE SET OF CIRCUITS ARE SHARED IN A CONDUIT/PULLBOX, SEPARATE EACH CIRCUIT SET & PROVIDE A SEPARATE LABEL FOR EACH CIRCUIT SET. LABEL & ATTACHMENT SHALL BE SUITABLE FOR THE ENVIRONMENT INSTALLED. LABEL INFORMATION SHALL INCLUDE 1) BUILDING FED FROM, 2) PANEL ID, 3) CIRCUIT NUMBER(S), & 4) LOAD DESCRIPTION. FOR EXAMPLE:
 LINE 1: REST ROOM BUILDING
 LINE 2: PANEL MDPRR
 LINE 3: CIRCUIT TBD
 LINE 4: PARKING LOT- RESTROOM PATHWAY

LEGEND

- WP IU: GROUND FAULT INTERRUPTED DUPLEX RECEPTACLE, 20 AMP, 120VAC. WHERE SHOWN, "WP IU" INDICATES WEATHER PROOF IN USE COVER.
- SINGLE POINT ELECTRICAL CONNECTION TO PACKAGED ELECTRICAL EQUIPMENT.
- JUNCTION BOX/DEVICE BOX WITH COVER. LOCATE AS REQUIRED FOR EQUIPMENT SERVED.
- BOLLARD LIGHT FIXTURE. "XX" INDICATES FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
- AREA POLE LIGHT PROVIDED & INSTALLED BY GUC. SHOWN FOR COORDINATION PURPOSES ONLY.
- GROUNDING ELECTRODE. ELECTRODE SHALL BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL.
- DEVICE AS INDICATED.
- ELECTRICAL PANEL, SURFACE MOUNTED, TOP OF PANEL 72" AFF UNO. "XXXX" INDICATES PANEL TAG.
- ELECTRICAL PANEL, FLUSH MOUNTED, TOP OF PANEL 72" AFF UNO. "XXXX" INDICATES PANEL TAG.
- REFERENCE TO ENLARGED PLAN, ELEVATION, SECTION, OR DETAIL. TOP SECTION INDICATES ENLARGED PLAN, ELEVATION, SECTION OR DETAIL NUMBER. BOTTOM SECTION INDICATES DRAWING ON WHICH ENLARGED PLAN, ELEVATION, SECTION OR DETAIL APPEARS.
- NOTE NUMBER, WHERE "#" INDICATES NOTE NUMBER.
- HOMERUN TO PANELBOARD. XXXX-XX INDICATES PANELBOARD & CIRCUIT NUMBER (1 #10 LINE, 1 #10 NEUTRAL, 1 #10 GND, 1" C, UNO.)
- HOMERUN TO PANELBOARD. XXXX-XX,XX INDICATES PANELBOARD & CIRCUIT NUMBER (2 #10, 1 #10 GND, UNO, 1" C, UNO.)
- UNSWITCHED CIRCUIT (2 #10, 1 #10 GND, 1" C, UNO.)
- SWITCHED CIRCUIT (2 #10, 1 #10 GND, 1" C, UNO.)
- GROUND, EXTEND AND CONNECT TO APPROVED GROUND.

ELECTRICAL LOAD SUMMARY

MDP1

ELECTRICAL:	VA LOAD
INTERIOR LIGHTS	0
EXTERIOR LIGHTS	0
EMERGENCY LIGHTS	0
RECEPTACLES	180
	180
PLUMBING:	
NONE	0
MECHANICAL:	
NONE	0
EQUIPMENT:	
HOT BOX	1,200
	1,200
MISCELLANEOUS:	
NONE	0
	0
LARGEST MOTOR:	
25% OF 0 VA	0
TOTAL - VA	
1,380 VA / 240VAC	= 5.75 AMPS
5.75 AMPS * 1.25%	= 7.2 AMPS

ELECTRICAL LOAD SUMMARY

MDPPL

ELECTRICAL:	VA LOAD
INTERIOR LIGHTS	0
EXTERIOR LIGHTS	0
EMERGENCY LIGHTS	0
RECEPTACLES	180
	180
PLUMBING:	
NONE	0
	0
MECHANICAL:	
NONE	0
	0
EQUIPMENT:	
NONE	0
	0
MISCELLANEOUS:	
NONE	0
	0
LARGEST MOTOR:	
25% OF 0 VA	0
TOTAL - VA	
180 VA / 240VAC	= 0.75 AMPS
0.75 AMPS * 1.25%	= 1 AMPS

ELECTRICAL LOAD SUMMARY

MDPRR

ELECTRICAL:	VA LOAD
INTERIOR LIGHTS	0
EXTERIOR LIGHTS	300
EMERGENCY LIGHTS	0
RECEPTACLES	0
	0
PLUMBING:	
NONE	0
	0
MECHANICAL:	
NONE	0
	0
EQUIPMENT:	
SEWER LIFT STATION, TWO 2HP MOTORS	5,760
	5,760
MISCELLANEOUS:	
NONE	0
	0
LARGEST MOTOR:	
25% OF 0 VA	0
TOTAL - VA	
xxxxx VA / 240VAC	= XX AMPS
XX AMPS * 1.25%	= XX AMPS

- NOTES:**
 1. LOAD DATA TO BE COMPLETED ONCE PREFAB UNIT SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED.

ABBREVIATIONS

A	AMPS
AFB	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BKR	BREAKER
BOC	BOTTOM OF CONDUIT
C	CONDUIT
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EX	EXISTING
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GC	GENERAL CONTRACTOR
GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
HZ	HERTZ
IMC	INTERMEDIATE METAL CONDUIT
IN	INCHES
IU	IN USE
ISO GND	ISOLATED GROUND
LFMC	LIQUID FLEXIBLE METAL CONDUIT
LTS	LIGHTS
N	NEUTRAL
NTS	NOT TO SCALE
OLC#	OUTSIDE LIGHTING CONTACTOR, # INDICATES NUMBER
PH	PHASE
RL	RELOCATED
RMC	RIGID METAL CONDUIT
TC#	TIME CLOCK, # INDICATES NUMBER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VA	VOLT AMPS
VAC	VOLTS AC
WP	WEATHER PROOF
XFMR	TRANSFORMER

ELECTRICAL DRAWING INDEX

E0.1	ELECTRICAL LEAD SHEET
E1.1	ELECTRICAL SITE POWER & LIGHTING PLAN
E1.2	ELECTRICAL PANEL SCHEDULES & ONE LINE DIAGRAM
E1.3	ELECTRICAL DETAILS
E1.4	ELECTRICAL EQUIPMENT RACK & DETAILS

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER / CATALOG NUMBER	VOLTS	QTY.	TYPE	WATTS	COLOR	REMARKS
B1	WALL BACK, LED, 4000K, DIA-CAST ALUMINUM HOUSING, TEMPERED GLASS LENS, SURFACE MOUNTED, WET LOCATION RATED, IP66, SUITABLE FOR MOUNTING WITHIN 4 FEET OF THE GROUND, DARK BRONZE FINISH.	RAB SLIM12-N OR EQUAL	120		LED	12	4000K	SEE DETAIL 1/E1.3.

- NOTES:**
 1. MANUFACTURER INDICATED FOR LEVEL OF QUALITY, FEATURES AND SIZE REQUIREMENTS. EQUAL PRODUCTS BY OTHER MANUFACTURERS ACCEPTABLE.



• Engineering • Architecture
 • Surveying • Technology

• Corporate Office
 204 Evans Street
 Greenville, NC 27658
 Tel 252.758.3746
 Fax 252.630.3654

• Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919.784.9330
 Fax 919.784.9331

• NC Engineering License No. C-0206
 NC Architectural License No. 90213
 NC Landscape Architectural License No. C-427



REV	DATE	DESCRIPTION
A	8-31-23	95% CONSTRUCTION DOCUMENTS
B	10-05-23	REVISED 95% CDs
D	03-01-24	ISSUE FOR CONSTRUCTION

PROJECT NO: 20230059

DATE: 08.31.23



WILDWOOD PARK
PARTIF IMPROVEMENTS

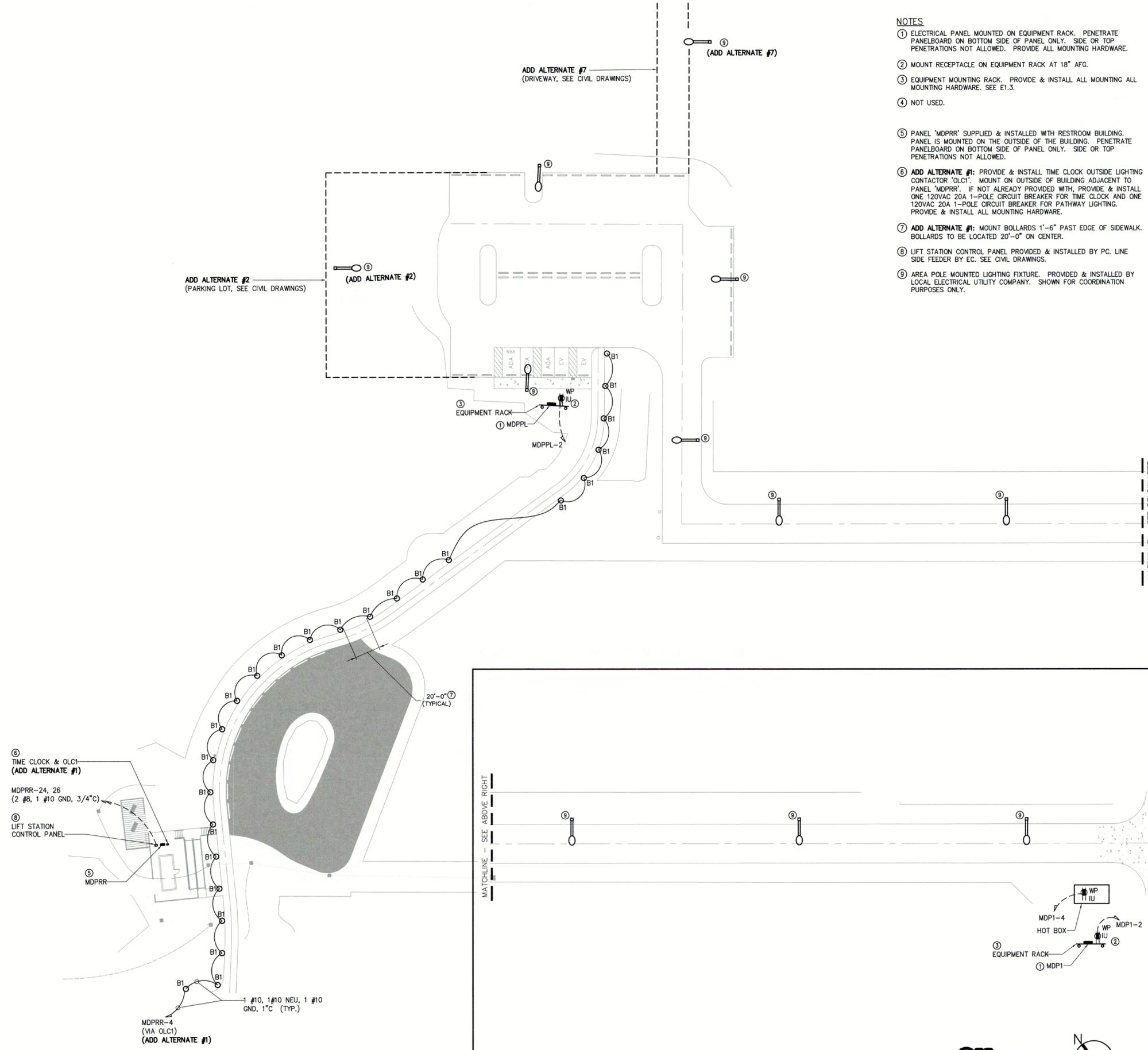
DRAWING TITLE

ELECTRICAL LEAD SHEET

DRAWING NO.

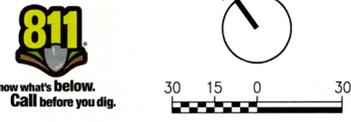
E0.1

- NOTES**
- ELECTRICAL PANEL MOUNTED ON EQUIPMENT RACK. PENETRATE PANELBOARD ON BOTTOM SIDE OF PANEL ONLY. SIDE OR TOP PENETRATIONS NOT ALLOWED. PROVIDE ALL MOUNTING HARDWARE.
 - MOUNT RECEPTACLE ON EQUIPMENT RACK AT 18" AFG.
 - EQUIPMENT MOUNTING RACK. PROVIDE & INSTALL ALL MOUNTING ALL MOUNTING HARDWARE. SEE E1.3.
 - NOT USED.
 - PANEL 'MDPRR' SUPPLIED & INSTALLED WITH RESTROOM BUILDING. PANEL IS MOUNTED ON THE OUTSIDE OF THE BUILDING. PENETRATE PANELBOARD ON BOTTOM SIDE OF PANEL ONLY. SIDE OR TOP PENETRATIONS NOT ALLOWED.
 - ADD ALTERNATE #1:** PROVIDE & INSTALL TIME CLOCK OUTSIDE LIGHTING CONTACTOR 'OLC1'. MOUNT ON OUTSIDE OF BUILDING ADJACENT TO PANEL 'MDPRR'. IF NOT ALREADY PROVIDED WITH, PROVIDE & INSTALL ONE 120VAC 20A 1-POLE CIRCUIT BREAKER FOR TIME CLOCK AND ONE 120VAC 20A 1-POLE CIRCUIT BREAKER FOR PATHWAY LIGHTING. PROVIDE & INSTALL ALL MOUNTING HARDWARE.
 - ADD ALTERNATE #1:** MOUNT BOLLARDS 1'-6" PAST EDGE OF SIDEWALK. BOLLARDS TO BE LOCATED 20'-0" ON CENTER.
 - LIFT STATION CONTROL PANEL PROVIDED & INSTALLED BY PC. LINE SIDE FEEDER BY EC. SEE CIVIL DRAWINGS.
 - AREA POLE MOUNTED LIGHTING FIXTURE. PROVIDED & INSTALLED BY LOCAL ELECTRICAL UTILITY COMPANY. SHOWN FOR COORDINATION PURPOSES ONLY.



REV	DATE	DESCRIPTION	CHK BY	DIA	DIA	DIA
A	08-31-23	95% CONSTRUCTION DOCUMENTS				
D	10-05-23	REVISED 95% CD				
O	03-01-24	ISSUE FOR CONSTRUCTION				

TIG PROJECT NO.	20230059
DATE:	08.31.23
PROJECT TITLE	Greenville NORTH CAROLINA
DRAWING TITLE	WILDWOOD PARK PART I IMPROVEMENTS
DRAWING NO.	ELECTRICAL SITE POWER & LIGHTING PLAN



1 ELECTRICAL SITE POWER & LIGHTING PLAN
 E1.1 1"=30'-0"

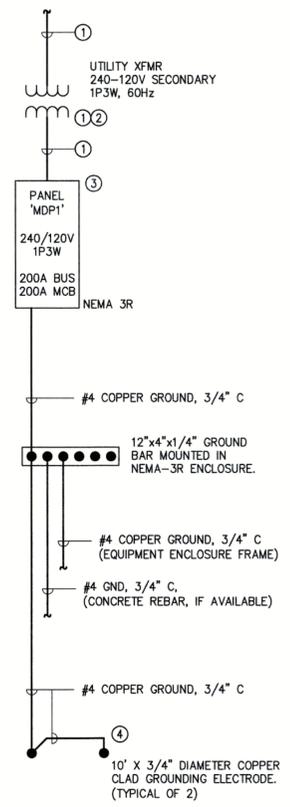
2 ELECTRICAL SITE POWER & LIGHTING PLAN
 E1.1 1"=30'-0"

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PANELBOARD MDP1		VOLTAGE: <input checked="" type="checkbox"/> 240/120V, 1 PHASE, 3 WIRE					
MOUNTING: <input type="checkbox"/> FLUSH SURFACE	MAIN: <input type="checkbox"/> LUGS ONLY	BUS: 200 A	TRIP: 200 A				
<input checked="" type="checkbox"/> SURFACE	<input checked="" type="checkbox"/> MAIN BREAKER	FRAME: _____ A	<input type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM				
COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK		NEUTRAL: <input type="checkbox"/> NONE <input type="checkbox"/> 50% <input checked="" type="checkbox"/> 100%					
<input type="checkbox"/> DOOR WITHOUT LOCK		<input type="checkbox"/> WITH HINGABLE COVER <input type="checkbox"/> WITHOUT HINGABLE COVER					
ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE							
U/L LISTED BREAKER INTERRUPTING CAPACITY: 22,000 A RMS. SYM. MIN.							
DESCRIPTION	LOAD	CKT NO.	PHASE LOAD (AMPS)	DESCRIPTION	LOAD	PHASE LOAD (AMPS)	
						L1	L2
SPACE	0.0	1		2 RECEPTACLE - EQUIPMENT RACK	1.5	1.5	
SPACE	0.0	3		4 RECEPTACLE - HOT BOX	10.0		10.0
SPACE	0.0	5		6 SPARE	0.0	0.0	
SPACE	0.0	7		8 SPARE	0.0		0.0
SPACE	0.0	9		10 SPACE	0.0	0.0	
SPACE	0.0	11		12 SPACE	0.0		0.0
SPACE	0.0	13		14 SPACE	0.0	0.0	
SPACE	0.0	15		16 SPACE	0.0		0.0
SPACE	0.0	17		18 SPACE	0.0	0.0	
SPACE	0.0	19		20 SPACE	0.0		0.0
SPACE	0.0	21		22 SPACE	0.0	0.0	
SPACE	0.0	23		24 SPACE	0.0		0.0
SPACE	0.0	25		26 SPACE	0.0	0.0	
SPACE	0.0	27		28 TVSS (SEE NOTE 3)	0.0		0.0
SPACE	0.0	29		30	0.0	0.0	
PANELBOARD LOCATION: HOT BOX				MANUFACTURER: _____			
MODEL/CAT. NO.: _____				FEED: SEE ELECTRICAL ONE LINE DIAGRAM			
				TOTAL L1		1.5	
				TOTAL L2		10.0	
KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY PADLOCK ATTACH HACR HID RATED ARC FAULT							

- NOTES:
1. COMBINATION METER-PANEL SERVICE ENTRANCE DEVICE.
 2. PROVIDE WITH NEMA-3R ENCLOSURE.
 3. PROVIDE WITH SPD, SURGE CURRENT CAPACITY 36KA.
 4. ALL PENETRATIONS SHALL BE MADE ON THE BOTTOM OF THE ENCLOSURE, TOP OR SIDE PENETRATIONS NOT ALLOWED.

- NOTES:
1. EC SHALL COORDINATE INSTALLATION W/ UTILITY COMPANY FOR ALL UTILITY SERVICE REQUIREMENTS. UNLESS DIRECTED OTHERWISE BY UTILITY COMPANY, UTILITY COMPANY TO PROVIDE SECONDARY WIRING & CONDUIT FROM UTILITY TRANSFORMER TO MDPL, FINAL CONNECTIONS AT MDPL BY UTILITY COMPANY.
 2. EC SHALL COORDINATE UTILITY TRANSFORMER LOCATION WITH GC AND UTILITY COMPANY.
 3. THE MAXIMUM AVAILABLE FAULT CURRENT AT THE ELECTRICAL UTILITY COMPANY'S POINT OF DELIVERY (TRANSFORMER SECONDARY) IS 3,721 SYMMETRICAL RMS AMPS. THE FAULT CURRENT VALUE WAS PROVIDED BY THE ELECTRICAL UTILITY COMPANY ON 09-15-2023. PROVIDE A LABEL ON THE FRONT OF THE SE RATED DISCONNECT SWITCH PER NEC 110.24.
 4. GROUNDING ELECTRODE SHALL BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL. CONNECTION TO CONDUCTOR SHALL BE EXOTHERMIC WELD.

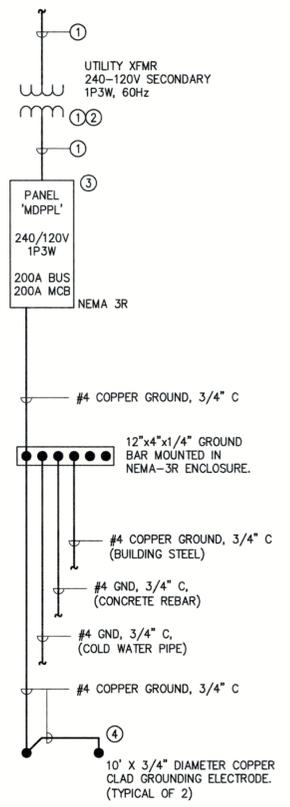


1 ELECTRICAL RISER DIAGRAM
E1.2 NTS

PANELBOARD MDPL		VOLTAGE: <input checked="" type="checkbox"/> 240/120V, 1 PHASE, 3 WIRE					
MOUNTING: <input type="checkbox"/> FLUSH SURFACE	MAIN: <input type="checkbox"/> LUGS ONLY	BUS: 200 A	TRIP: 200 A				
<input checked="" type="checkbox"/> SURFACE	<input checked="" type="checkbox"/> MAIN BREAKER	FRAME: _____ A	<input type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM				
COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK		NEUTRAL: <input type="checkbox"/> NONE <input type="checkbox"/> 50% <input checked="" type="checkbox"/> 100%					
<input type="checkbox"/> DOOR WITHOUT LOCK		<input type="checkbox"/> WITH HINGABLE COVER <input type="checkbox"/> WITHOUT HINGABLE COVER					
ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE							
U/L LISTED BREAKER INTERRUPTING CAPACITY: 22,000 A RMS. SYM. MIN.							
DESCRIPTION	LOAD	CKT NO.	PHASE LOAD (AMPS)	DESCRIPTION	LOAD	PHASE LOAD (AMPS)	
						L1	L2
SPACE	0.0	1		2 RECEPTACLE - EQUIPMENT RACK	1.5	1.5	
SPACE	0.0	3		4 SPARE	0.0		0.0
SPACE	0.0	5		6 SPARE	0.0	0.0	
SPACE	0.0	7		8 SPARE	0.0		0.0
SPACE	0.0	9		10 SPACE	0.0	0.0	
SPACE	0.0	11		12 SPACE	0.0		0.0
SPACE	0.0	13		14 SPACE	0.0	0.0	
SPACE	0.0	15		16 SPACE	0.0		0.0
SPACE	0.0	17		18 SPACE	0.0	0.0	
SPACE	0.0	19		20 SPACE	0.0		0.0
SPACE	0.0	21		22 SPACE	0.0	0.0	
SPACE	0.0	23		24 SPACE	0.0		0.0
SPACE	0.0	25		26 SPACE	0.0	0.0	
SPACE	0.0	27		28 TVSS (SEE NOTE 3)	0.0		0.0
SPACE	0.0	29		30	0.0	0.0	
PANELBOARD LOCATION: PARKING LOT				MANUFACTURER: _____			
MODEL/CAT. NO.: _____				FEED: SEE ELECTRICAL ONE LINE DIAGRAM			
				TOTAL L1		1.5	
				TOTAL L2		0.0	
KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY PADLOCK ATTACH HACR HID RATED ARC FAULT							

- NOTES:
1. COMBINATION METER-PANEL SERVICE ENTRANCE DEVICE.
 2. PROVIDE WITH NEMA-3R ENCLOSURE.
 3. PROVIDE WITH SPD, SURGE CURRENT CAPACITY 36KA.
 4. ALL PENETRATIONS SHALL BE MADE ON THE BOTTOM OF THE ENCLOSURE, TOP OR SIDE PENETRATIONS NOT ALLOWED.

- NOTES:
1. EC SHALL COORDINATE INSTALLATION W/ UTILITY COMPANY FOR ALL UTILITY SERVICE REQUIREMENTS. UNLESS DIRECTED OTHERWISE BY UTILITY COMPANY, UTILITY COMPANY TO PROVIDE SECONDARY WIRING & CONDUIT FROM UTILITY TRANSFORMER TO MDPL, FINAL CONNECTIONS AT MDPL BY UTILITY COMPANY.
 2. EC SHALL COORDINATE UTILITY TRANSFORMER LOCATION WITH GC AND UTILITY COMPANY.
 3. THE MAXIMUM AVAILABLE FAULT CURRENT AT THE ELECTRICAL UTILITY COMPANY'S POINT OF DELIVERY (TRANSFORMER SECONDARY) IS 3,721 SYMMETRICAL RMS AMPS. THE FAULT CURRENT VALUE WAS PROVIDED BY THE ELECTRICAL UTILITY COMPANY ON 09-15-2023. PROVIDE A LABEL ON THE FRONT OF THE SE RATED DISCONNECT SWITCH PER NEC 110.24.
 4. GROUNDING ELECTRODE SHALL BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL. CONNECTION TO CONDUCTOR SHALL BE EXOTHERMIC WELD.

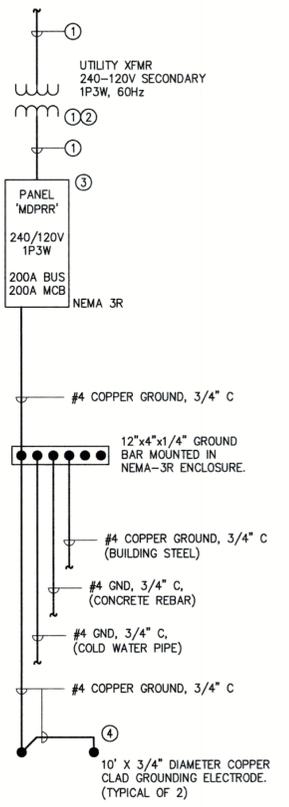


2 ELECTRICAL RISER DIAGRAM
E1.2 NTS

PANELBOARD MDPRR		VOLTAGE: <input checked="" type="checkbox"/> 240/120V, 1 PHASE, 3 WIRE					
MOUNTING: <input type="checkbox"/> FLUSH SURFACE	MAIN: <input type="checkbox"/> LUGS ONLY	BUS: 200 A	TRIP: 200 A				
<input checked="" type="checkbox"/> SURFACE	<input checked="" type="checkbox"/> MAIN BREAKER	FRAME: _____ A	<input type="checkbox"/> TOP <input checked="" type="checkbox"/> BOTTOM				
COVER: <input checked="" type="checkbox"/> DOOR WITH LOCK		NEUTRAL: <input type="checkbox"/> NONE <input type="checkbox"/> 50% <input checked="" type="checkbox"/> 100%					
<input type="checkbox"/> DOOR WITHOUT LOCK		<input type="checkbox"/> WITH HINGABLE COVER <input type="checkbox"/> WITHOUT HINGABLE COVER					
ALL BRANCH BREAKERS 20A 1 POLE UNLESS NOTED OTHERWISE							
U/L LISTED BREAKER INTERRUPTING CAPACITY: 22,000 A RMS. SYM. MIN.							
DESCRIPTION	LOAD	CKT NO.	PHASE LOAD (AMPS)	DESCRIPTION	LOAD	PHASE LOAD (AMPS)	
						L1	L2
SPACE	0.0	1		2 TIME CLOCK	1.0	1.0	
SPACE	0.0	3		4 PATHWAY LIGHTS	2.5		2.5
SPACE	0.0	5		6 SPACE	0.0	0.0	
SPACE	0.0	7		8 SPACE	0.0		0.0
SPACE	0.0	9		10 SPACE	0.0	0.0	
SPACE	0.0	11		12 SPACE	0.0		0.0
SPACE	0.0	13		14 SPACE	0.0	0.0	
SPACE	0.0	15		16 SPACE	0.0		0.0
SPACE	0.0	17		18 SPACE	0.0	0.0	
SPACE	0.0	19		20 SPACE	0.0		0.0
SPACE	0.0	21		22 SPACE	0.0	0.0	
SPACE	0.0	23		24 SEWER LIFT STATION (SEE NOTE 3)	24.0		24.0
SPACE	0.0	25		26	24.0	24.0	
SPACE	0.0	27		28	0.0		0.0
SPACE	0.0	29		30 RESERVED FOR TVSS	0.0	0.0	
PANELBOARD LOCATION: RESTROOM				MANUFACTURER: _____			
MODEL/CAT. NO.: _____				FEED: SEE ELECTRICAL ONE LINE DIAGRAM			
				TOTAL L1		25.0	
				TOTAL L2		26.5	
KEY: MULTIPOLE BREAKER GFI BREAKER LOCKOFF ATTACH SWITCH DUTY PADLOCK ATTACH HACR HID RATED ARC FAULT							

- NOTES:
1. COMBINATION METER-PANEL SERVICE ENTRANCE DEVICE.
 2. NEMA-3R
 3. PROVIDE & INSTALL BREAKER IS NOT SUPPLIED WITH PANEL.

- NOTES:
1. EC SHALL COORDINATE INSTALLATION W/ UTILITY COMPANY FOR ALL UTILITY SERVICE REQUIREMENTS. UNLESS DIRECTED OTHERWISE BY UTILITY COMPANY, UTILITY COMPANY TO PROVIDE SECONDARY WIRING & CONDUIT FROM UTILITY TRANSFORMER TO MDPL, FINAL CONNECTIONS AT MDPL BY UTILITY COMPANY.
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 4. GROUNDING ELECTRODE SHALL BE 3/4" DIA. X 10' LONG COPPER CLAD STEEL. CONNECTION TO CONDUCTOR SHALL BE EXOTHERMIC WELD.



3 ELECTRICAL RISER DIAGRAM
E1.2 NTS

THE EAST GROUP
Engineering • Architecture
Surveying • Technology

Corporate Office
324 Evans Street
Greenville, NC 27608
Tel 252.758.3746
Fax 252.830.3954

Branch Office
4325 Lake Boone Trail, Suite 311
Raleigh, NC 27607
Tel 919.784.9330
Fax 919.784.9331

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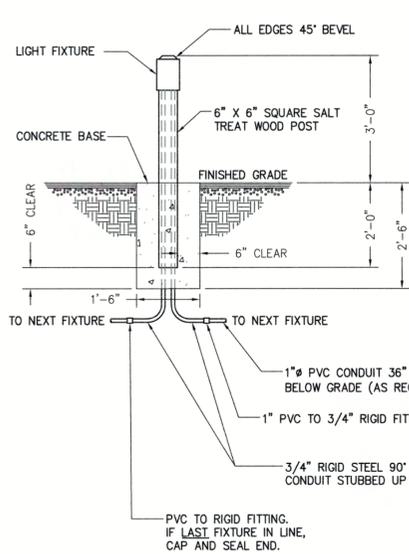
SEAL
DAVID L. MEYERS
ENGINEER
041433
3-1-2024

REV	DATE	DESCRIPTION
A	8-31-23	95% CONSTRUCTION DOCUMENTS
B	10-05-23	REVISED 95% CDS
D	03-01-24	ISSUE FOR CONSTRUCTION

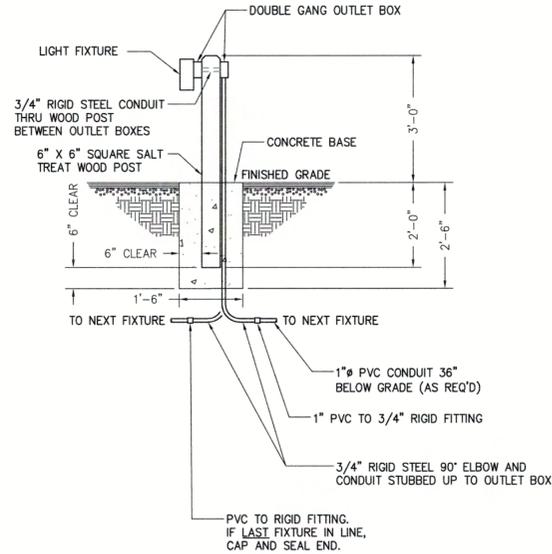
TIC PROJECT NO: 20230059
DATE: 08.31.23
PROJECT TITLE: **Greenville**
WILDWOOD PARK
PART I IMPROVEMENTS
DRAWING TITLE: ELECTRICAL
PANEL SCHEDULES,
ONE LINE DIAGRAM
& DETAILS

DRAWING NO: **E1.2**

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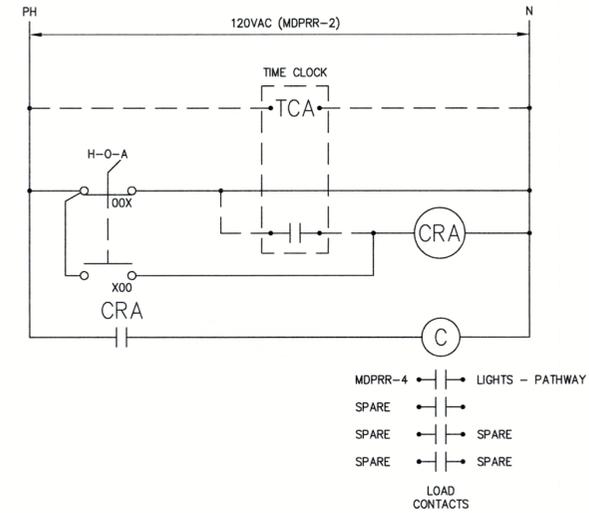
FRONT ELEVATION VIEW



SIDE ELEVATION VIEW

- DETAIL STRUCTURAL NOTES:
1. CONCRETE SHALL HAVE 3000 PSI MINIMUM 28-DAY COMPRESSION STRENGTH.
 2. AFTER THE FOUNDATION IS FORMED AND POURED, THE SOIL AROUND THE BASE SHALL BE BACKFILLED AND COMPACTED TO ACHIEVE 98% COMPACTION (STANDARD PROCTOR METHOD).
 3. SEE PLAN DWGS. FOR LOCATIONS OF BOLLARD BASES.

1 TYPICAL FIXTURE & WOOD BOLLARD DETAIL
NTS - (FIXTURE: "B1")



2 OLC1 - OUTSIDE LIGHTING CONTACTOR DIAGRAM
NTS - OUTSIDE RESTROOM

THE EAST GROUP
 • Engineering • Architecture
 • Surveying • Technology

Corporate Office
 324 Evans Street
 Greenville, NC 27838
 Tel 252.758.3746
 Fax 252.830.3954

Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919.784.9330
 Fax 919.784.9331

NC Engineering License No. C-0206
 NC Architectural License No. 50213
 NC Landscape Architectural License No. C-427

SEAL ELECTRICAL

DAVID L. MEANS
 ENGINEER
 041433
 3-1-2024

SEAL STRUCTURAL

JAN HERCO
 PROFESSIONAL ENGINEER
 37886
 3/1/2024

MISCELLANEOUS EQUIPMENT SCHEDULE	
DESCRIPTION	MANUFACTURER AND MODEL NUMBER
COMBINATION METER-SERVICE ENTRANCE DEVICE; METER/PANELBOARD UNIT, 240/120 VAC, 1 PHASE, 3 WIRE, RAIN-PROOF, MINIMUM 30 SPACES SEE PANEL SCHEDULE FOR MAIN LUG OR MAIN CIRCUIT BREAKER, NUMBER, SIZE, TYPE OF CIRCUIT BREAKERS, AND ADDITIONAL REQUIREMENTS. (PANEL MDP1, MDPPL)	SQUARE-D - QC3040M200S SIEMENS - MC3042B1200RC OR EQUAL
1/4" X 4" X 12" COPPER GROUND BAR WITH PUNCHED LUG HOLES, 2 STANDOFFS AND 2 INSULATORS	ADVANCED LIGHTNING TECHNOLOGY - 3822-5-12 OR EQUAL
18"x18"x8" NEMA 3R METAL ENCLOSURE (FOR MOUNTING GROUND BAR)	
20 AMP, 125 VOLT, NEMA 5-20R, FLUSH MOUNT GFCI RECEPTACLE W/ LED INDICATOR LIGHT, GROUNDING, WEATHER RESISTANT AND TAMPER RESISTANT LISTED, WHITE	LEVITON - GFWR2-W OR EQUAL
WEATHERPROOF SINGLE GANG BOX, GRAY, HEAVY DIE-CAST ALUMINUM, 3 HOLE 3/4", 1 HOLE IN BACK, 1 HOLE EACH END, UL LISTED FOR WET AND/OR DAMP LOCATIONS WITH APPROPRIATE COVER. (USED AT MDPPL & AT HOT BOX)	LEGRAND - WPB33 OR EQUAL
SINGLE GANG DIE-CAST ALUMINUM WEATHERPROOF WHILE-IN-USE, COVER, GRAY, UL LISTED FOR "EXTRA-DUTY" APPLICATIONS, PADLOCKABLE. (PLASTIC UNIT NOT ALLOWED)	HUBBLE - WP26E OR EQUAL
TIME CLOCK, ASTRONOMIC 7-DAY/365 DAY 1-CIRCUIT ELECTRONIC CONTROL, 120-277 VAC, SPDT, SURFACE MOUNT OUTDOOR METAL ENCLOSURE. (FOR OLC1)	INTERMATIC - ET2815CR OR EQUAL
LIGHTING CONTACTOR, 4-POLE, 120VAC COIL, ELECTRICALLY HELD, HAND-OFF-AUTO SWITCH, NEMA 12/3R SURFACE MOUNT ENCLOSURE (OLC1)	SQUARE-D - 8903-LA40-V02-C OR EQUAL

CHK	BY	DATE	DESCRIPTION
			95% CONSTRUCTION DOCUMENTS
			REVISED 95% CDS
			ISSUE FOR CONSTRUCTION

TES PROJECT NO: 20230059
 DATE: 08.31.23

PROJECT TITLE
Greenville
 NORTH CAROLINA

WILDWOOD PARK
 PART I IMPROVEMENTS

DRAWING TITLE
**ELECTRICAL
 DETAILS**

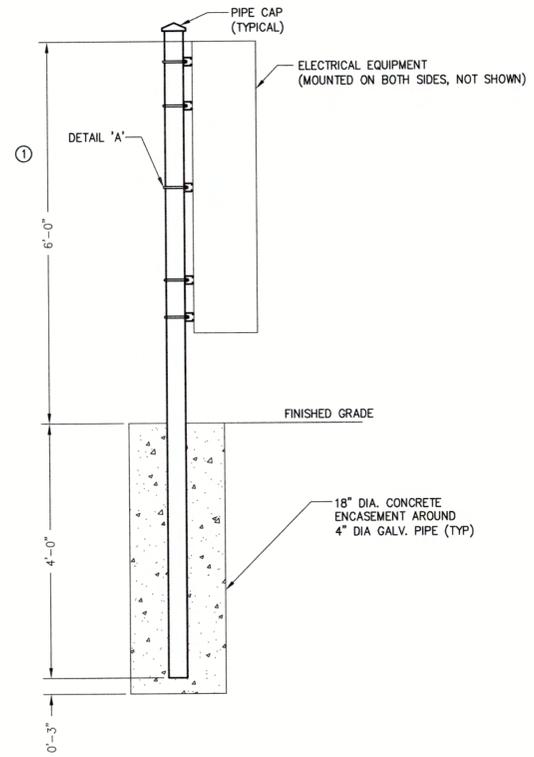
DRAWING NO.
E1.3

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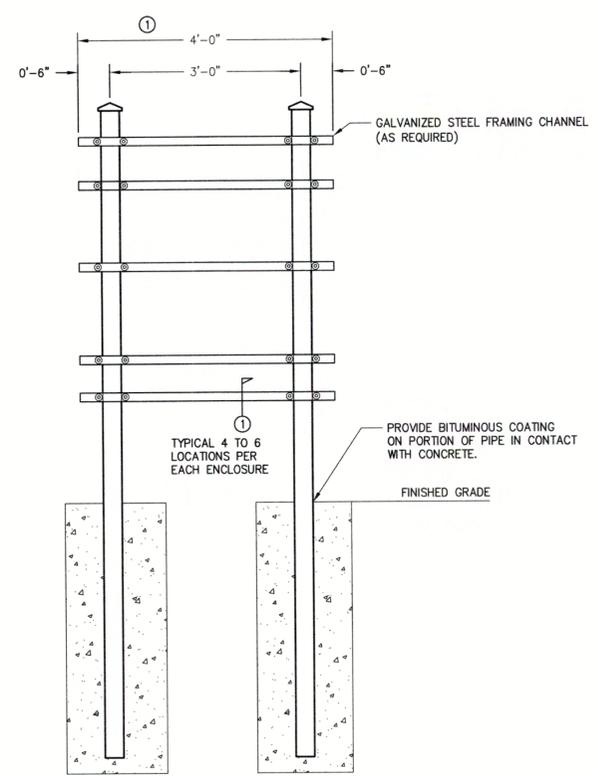
- DETAIL STRUCTURAL NOTES:**
1. CONCRETE SHALL HAVE 3000 PSI MINIMUM 28-DAY COMPRESSION STRENGTH.
 2. AFTER THE FOUNDATION IS FORMED AND Poured, THE SOIL AROUND THE BASE SHALL BE BACKFILLED AND COMPACTED TO ACHIEVE 98% COMPACTION (STANDARD PROCTOR METHOD).
 3. SEE PLAN DWGS. FOR LOCATIONS OF EQUIPMENT RACKS.

NOTES

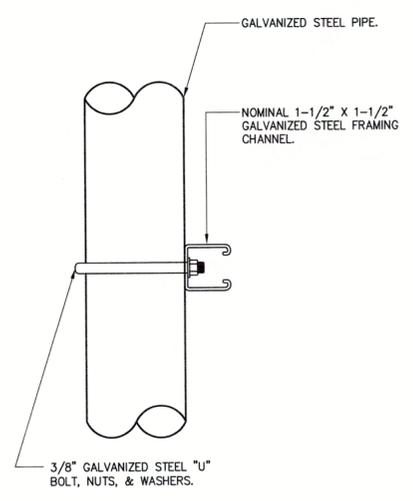
① DIMENSION FOR OVERALL EQUIPMENT MOUNTING RACK WIDTH AND HEIGHT IS SHOWN FOR REFERENCE PURPOSES ONLY. ACTUAL WIDTH AND HEIGHT SHALL BE SIZED PER EQUIPMENT AND SUBMITTED FOR APPROVAL PRIOR TO FABRICATION. IN NO CASE SHALL THE EQUIPMENT MOUNTING RACK WIDTH BE LESS THAN 4'-0" IN WIDTH.



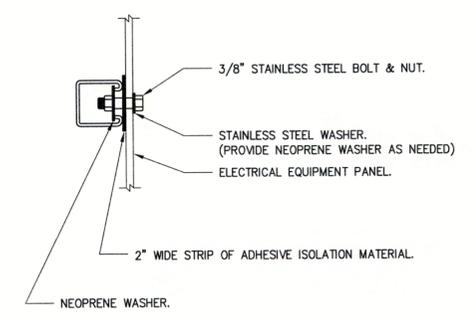
SIDE VIEW



FRONT VIEW



DETAIL - 'A'
(TYPICAL)



SECTION - 1

1
E1.4 EQUIPMENT RACK DETAILS
 3/4" = 1'-0"

ELECTRICAL

DAVID L. MEYER
 ENGINEER
 041433
 3-1-2024

STRUCTURAL

DIAN HEROLD
 ENGINEER
 37888
 3/1/2024

REV	DATE	DESCRIPTION	CHK	BY	DLM	DLM	DLM
A	8-31-23	95% CONSTRUCTION DOCUMENTS					
B	10-05-23	REVISED 95% CDs					
O	03-01-24	ISSUE FOR CONSTRUCTION					

TEC PROJECT NO. 20230059

DATE: 08.31.23

PROJECT TITLE
Greenville
 NORTH CAROLINA
 WILDWOOD PARK
 PART I IMPROVEMENTS

DRAWING TITLE
ELECTRICAL
 EQUIPMENT RACK
 & DETAILS

DRAWING NO.
E1.4

NUMBERS	DOORS				CLOSER	CLOSER W/ BACKSTOP	DEADBOLT LOCK	ENTRY LOCK	KEY PASSAGE SET	OFFICE LOCKSET	PUSH/PULL	FLOOR/CEILING BOLT	OVERHEAD STOP	FLOOR STOP	PANNING DEVICE	THRESHOLD	WEATHERSTRIPPING	SMOKE SEAL	KEYED MULLION	MAGNETIC HOLD OPEN	NOTES
	SIZE	DOOR TYPE	FRAME																		
101A	1.75 x 3070	HM-1	HOLLOW METAL	HOLLOW METAL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NOTE 6
102A	1.75 x 3070	HM-1	HOLLOW METAL	HOLLOW METAL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NOTE 6
103A	1.75 x 3070	HM-1	HOLLOW METAL	HOLLOW METAL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	NOTE 6

NOTES
 (1) ALL DOORS TO BE PROVIDED WITH APPROVED HINGES
 (2) ALL STEEL FRAMES TO BE PROVIDED WITH SILENCERS
 (3) ALL EXTERIOR DOORS TO BE PROVIDED WITH WEATHERSTRIPPING AND HEAVY DUTY ALUM. THRESHOLDS
 (4) PROVIDE SOLID WOOD BLOCKING FOR DOOR STOPS AND HOLD OPEN DEVICES
 (5) EXIT DEVICES AT EXTERIOR DOORS TO BE NL WITH PULL
 (6) PROVIDE PROGRAMMABLE ELECTROMAGNETIC LOCK

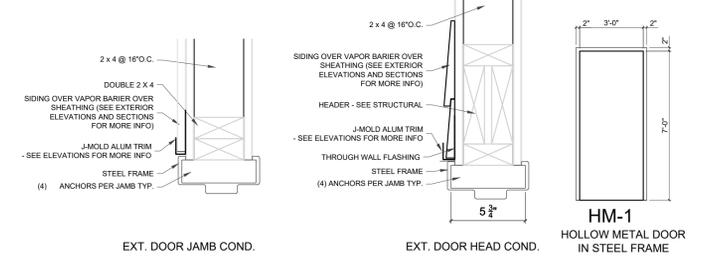
ALL HARDWARE TO BE PURCHASED THROUGH A \$4,000 ALLOWANCE TO BE INCLUDED IN THE BASE BID. OWNER TO VERIFY ALL HARDWARE AND DOOR SIZES PRIOR TO GC ORDERING OF ANY DOORS, HARDWARE, ETC.

MARK	MODEL	DESCRIPTION	REMARKS
HD	XLERATOR eco XL-BW-ECO	ELECTRIC HAND DRYER	G.C. TO PROVIDE BLOCKING AND INSTALL
PT	BOBRICK B-2974	PAPER TOWEL HOLDER	G.C. TO PROVIDE BLOCKING AND INSTALL
TPH	BOBRICK B-2888	TOILET PAPER HOLDER	G.C. TO PROVIDE BLOCKING AND INSTALL
SD	BOBRICK B18615	SOAP DISPENSER	G.C. TO PROVIDE BLOCKING AND INSTALL
GBV18	BOBRICK B-6806x18"	18" VERTICAL GRAB BAR	G.C. TO PROVIDE BLOCKING AND INSTALL
GBV36	BOBRICK B-6806x36"	36" GRAB BAR	G.C. TO PROVIDE BLOCKING AND INSTALL
GB42	BOBRICK B-6806x42"	42" GRAB BAR	G.C. TO PROVIDE BLOCKING AND INSTALL
MR36	BOBRICK B-165 2436	LAMINATED GLASS MIRROR W/ S.S. CHANNEL MOLD	G.C. TO PROVIDE BLOCKING AND INSTALL
CT	BOBRICK KB200-00	HORIZONTAL WALL MOUNTED CHANGING STATION	G.C. TO PROVIDE BLOCKING AND INSTALL

NOTES
 (1) PROVIDE 2 x BLOCKING FOR ALL TOILET ACCESSORIES (INCLUDING OWNER AND GC PROVIDED ITEMS)
 (2) SEE INTERIOR ELEVATIONS FOR MOUNTING HEIGHTS

ROOM #	ROOM NAME	FLOOR	BASE	WALLS	CEILING	CEILING HT.
101	FAMILY RESTROOM	LVT/LVP	RUBBER BASE	FRP / STAINED BEADBOARD	PAINTED M.R. GYP	VARIABLES
102	CUSTODIAL	LVT/LVP	RUBBER BASE	PAINTED M.R. GYP	PAINTED M.R. GYP	VARIABLES
103	FAMILY RESTROOM	LVT/LVP	RUBBER BASE	FRP / STAINED BEADBOARD	PAINTED M.R. GYP	VARIABLES

NOTES
 (1) OWNER TO VERIFY ALL FINISHES PRIOR TO ORDERING OF ANY MATERIALS
 (2) LVT TO BE FULLY GLUED (FULL SPREAD) MIN. 2.5 MM THICK, 20 MIL WEAR LAYER WITH 10 YEAR HEAVY COMMERCIAL WARRANTY



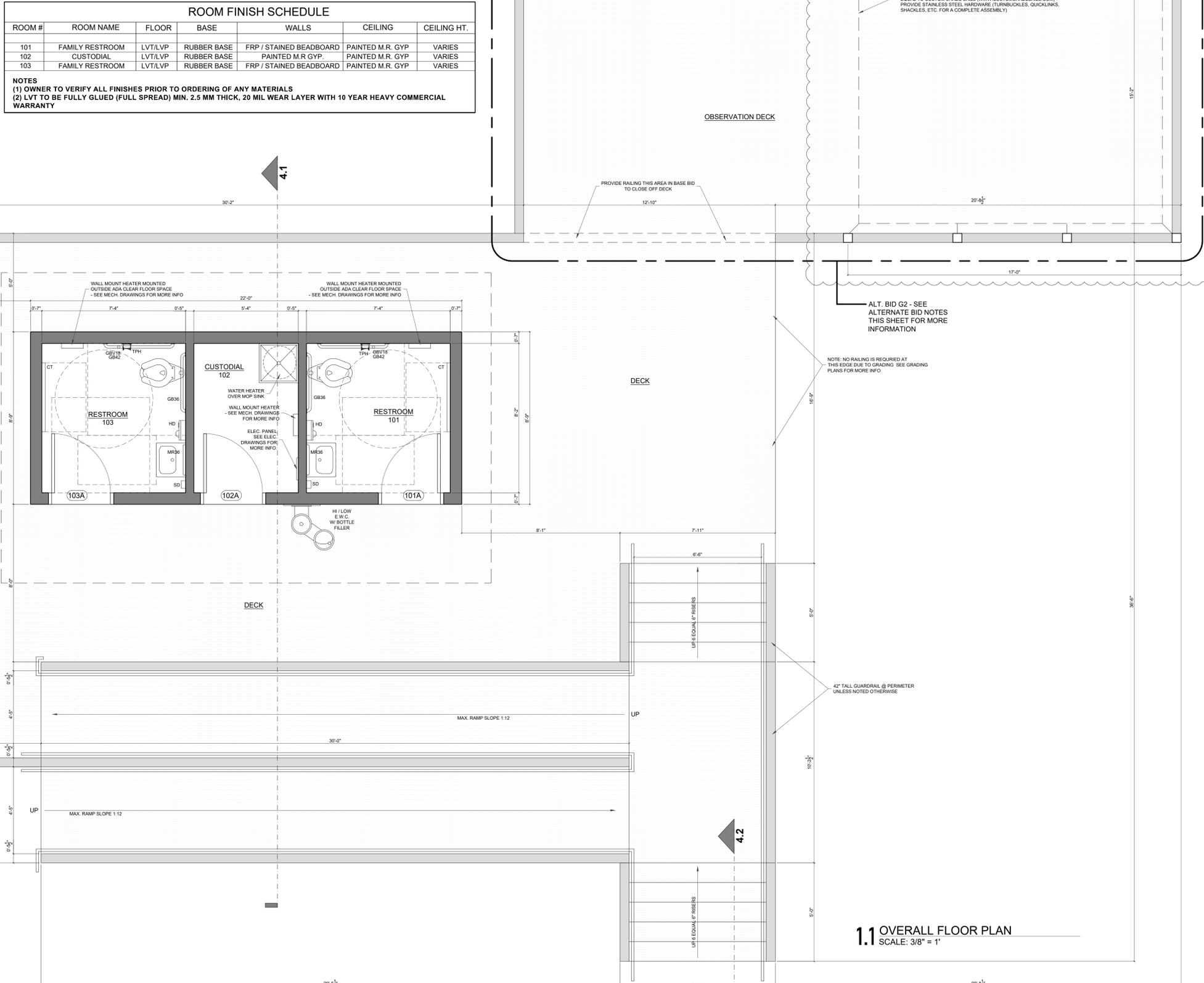
- ALTERNATE BIDS**
- SHALL BE THE AMOUNT ADDED TO THE BASE BID TO SUBSTITUTE COMPOSITE DECKING EQUAL TO TREX SELECT SERIES (1" GROOVED EDGE BOARD WITH CONCEALED FASTENER SYSTEM) IN PLACE OF PRESSURE TREATED DECKING WHERE SHOWN IN PLANS AND DETAILS (DECK, STAIR, ETC.).
 - SHALL BE THE AMOUNT ADDED TO THE BASE BID TO CONSTRUCT THE OBSERVATION DECK AREA WHERE SHOWN ON THE PLANS (INCLUDING RAILS, SHADE STRUCTURE, FOOTINGS, AND ALL COMPONENTS FOR A COMPLETE INSTALLATION).
 - SHALL BE THE AMOUNT ADDED TO THE BASE BID TO CONSTRUCT THE OBSERVATION DECK AREA TO SUBSTITUTE COMPOSITE DECKING EQUAL TO TREX SELECT SERIES (1" GROOVED EDGE BOARD WITH CONCEALED FASTENER SYSTEM) IN PLACE OF PRESSURE TREATED DECKING WHERE SHOWN IN PLANS AND DETAILS (DECK, STAIR, ETC.).
- NOTE: SEE PROJECT MANUAL FOR ALL OTHER NON-BUILDING ALTERNATE BIDS

- ALLOWANCES**
- GC TO PROVIDE \$4,000 HARDWARE ALLOWANCE IN BASE BID FOR PURCHASE OF ALL DOOR HARDWARE. NOTE: LABOR FOR INSTALLATION SHALL BE INCLUDED IN BASE BID.

- GENERAL NOTES**
- DO NOT SCALE THE DRAWINGS. NOTIFY ARCHITECT PRIOR TO COMMENCING WORK IF DIMENSIONAL DISCREPANCIES ARE FOUND.
 - THE CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, LEVELS, DIMENSIONS INDICATED OR SHOWN ON THE PLANS OR INDICATED BY EXISTING CONDITIONS AND SHALL REPORT ANY DISCREPANCIES AND OR EXISTING CONDITIONS THAT RESTRICT OR PROHIBIT PROVIDING CRITICAL DIMENSIONS IMMEDIATELY TO THE ARCHITECT AND OR ENGINEER. VERIFICATION SHALL BE PERFORMED PRIOR TO COMMENCING ANY AND ALL WORK AND PRIOR TO ORDERING OR INSTALLING MATERIALS AND EQUIPMENT.
 - ALL CONSTRUCTION SHALL BE IN FULL COMPLIANCE WITH THE CURRENT EDITION ALL FEDERAL, STATE AND LOCAL LAWS, CODES AND ORDINANCES.
 - GC SHALL COORDINATE WITH MC AND EC BEFORE INSTALLATION OF ALL EQUIPMENT, FIXTURES, & FITTINGS TO AVOID CONFLICT AND NOTIFY ARCHITECT OR ENGINEER OF ANY CONFLICTS.
 - ALL NEW INTERIOR WALL CONSTRUCTION IS 2 x 4 WOOD STUD FRAMING WITH 5/8" GYPBOARD AT EACH SIDE, UNLESS NOTED OTHERWISE.
 - ALL INTERIOR WALLS TO BE INSULATED WITH R-13 SOUND ATTENUATION BATTS.
 - ALL DRAWINGS ARE DEVELOPED TO CONVEY AND COMMUNICATE DESIGN INTENT. ANY SPECIAL SHAPES, TRIMS, MOLDINGS, FASTENERS, CONNECTIONS OR NECESSARY COMPONENTS NOT INDICATED SHALL BE PROVIDED AT THE CONTRACTORS EXPENSE IN ORDER TO PROVIDE A COMPLETE AND TOTAL ASSEMBLY.
 - MAINTAIN ENVIRONMENTAL CONDITIONS (TEMPERATURE, HUMIDITY AND VENTILATION) WITHIN LIMITS RECOMMENDED BY MANUFACTURER FOR OPTIMUM RESULTS FOR ALL WORK, PRODUCTS, INSTALLATIONS, ETC.
 - GC SHALL INSTALL 2x BLOCKING IN THE WALL FOR ALL WALL HUNG ACCESSORIES, INCLUDING GRAB BARS, MIRRORS, CHANGING TABLES, SOAP DISPENSERS, PAPER TOWEL DISPENSERS, HAND DRYERS ETC. AS REQUIRED.
 - FIRE BLOCKING SHALL BE INSTALLED AS REQUIRED TO CUT OFF CONCEALED HORIZONTAL AND VERTICAL DRAFT OPENINGS. LOCATIONS INCLUDE VERTICALLY AT THE CEILING AND FLOOR LEVEL, HORIZONTALLY AT INTERVALS NOT TO EXCEED 10' BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES CREATED BY FLOOR JOISTS, TRUSSES, AT SOFFITS, DROPPED CEILING AND SIMILAR CONDITIONS. BETWEEN STAIRWAY STRINGERS, WITHIN SPACES OF EXTERIOR WALL FINISHES, AND OTHER TRIM ELEMENTS AT MAX INTERVALS OF 20'-0" SO THAT NO SPACE WILL EXCEED 100 SQ. FT.
 - WHETHER NOTED OR NOT IN DRAWINGS, ALL WOOD MATERIAL USED OUTSIDE OF BUILDING OR OUTSIDE OF BUILDING ENVELOPE SHALL BE PRESSURE TREATED MATERIAL.

WALL LEGEND

	NEW 2 x 4 WOOD FRAMED STUD WALLS
	NEW 2 x 6 WOOD FRAMED STUD WALLS



THE EAST GROUP
 ■ Engineering ■ Architecture
 ■ Surveying ■ Technology

Corporate Office
 324 Evans Street
 Greenville, NC 27838
 Tel 252.758.3746
 Fax 252.830.3954

Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919.784.8330
 Fax 919.784.9331

NC Engineering License No. C-03206
 NC Architectural License No. 50213
 NC Landscape Architectural License No. C-427

BW ARCHITECTURE
 FORGING THE BUILT ENVIRONMENT
 BW ARCHITECTURE, PLLC

www.bwarchitecture.info
 100 A OAKMONT DR.
 GREENVILLE, NC 27608
 252.355.1300

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DR. DUDLEY C. WELLS
 REGISTERED ARCHITECT
 10568
 3.1.2024
 GREENVILLE, NORTH CAROLINA

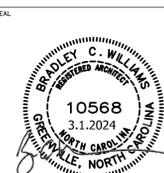
REV	DATE	DESCRIPTION
1	3.12.24	FRAMING REVISION

PROJECT TITLE
Greenville
 NORTH CAROLINA

WILDWOOD PARK
 PART II IMPROVEMENTS

DRAWING TITLE
FLOOR PLAN & SCHEDULES

DRAWING NO.
A1



REV	DATE	DESCRIPTION
1	3.12.24	FOUNDATION AND FRAMING REVISIONS

PROJECT NO. _____
ARCHITECT PROJECT NO. _____



WILDWOOD PARK
PART II IMPROVEMENTS

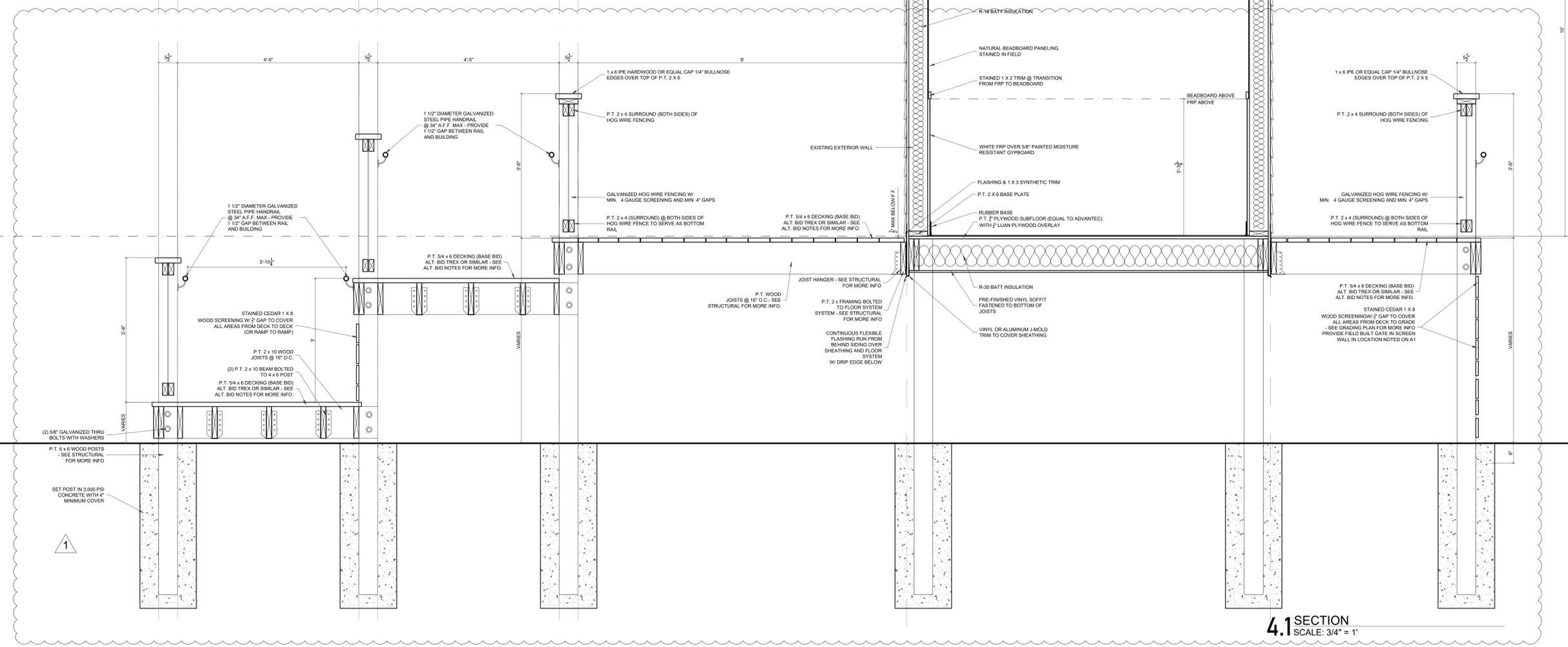
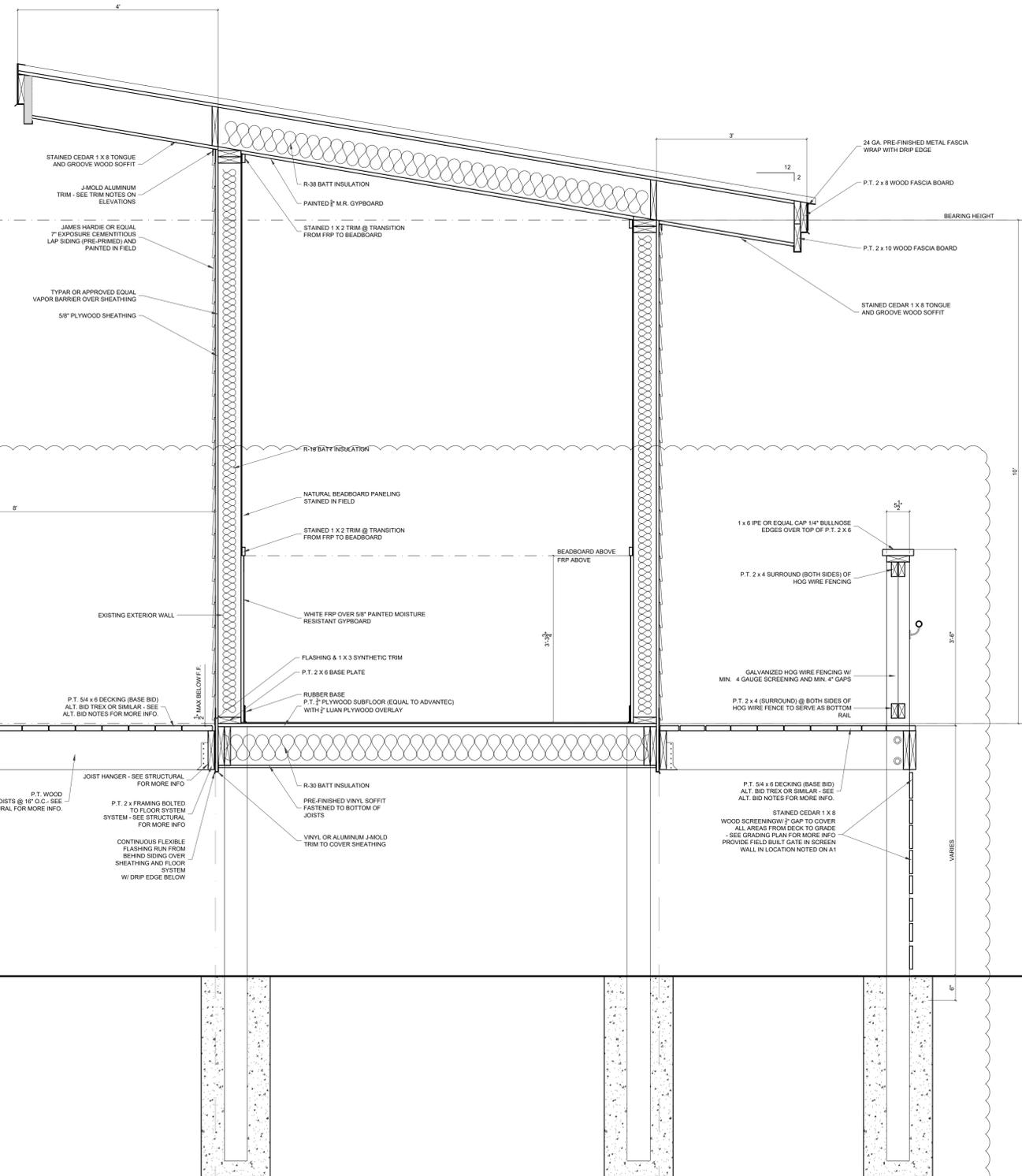
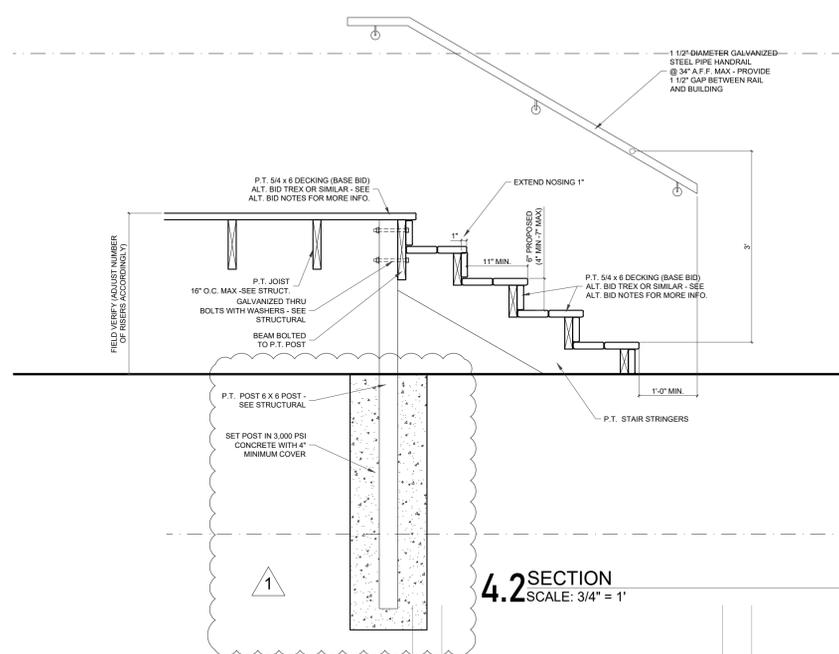
DRAWING TITLE
SECTIONS

DRAWING NO.
A4

ALTERNATE BIDS

4. SHALL BE THE AMOUNT ADDED TO THE BASE BID TO SUBSTITUTE COMPOSITE DECKING EQUAL TO TREX SELECT SERIES (1" GROOVED EDGE BOARD WITH CONCEALED FASTENER SYSTEM) OR EQUAL BY TIMBERTECH IN PLACE OF PRESSURE TREATED DECKING WHERE SHOWN IN PLANS AND DETAILS (DECK, STAIR, ETC.).

4-A SHALL BE THE AMOUNT ADDED TO THE BASE BID TO CONSTRUCT THE OBSERVATION DECK AREA WHERE SHOWN ON THE PLANS (INCLUDING RAILS, SHADE STRUCTURE, FOOTINGS, AND ALL COMPONENTS FOR A COMPLETE INSTALLATION).





REV	DATE	DESCRIPTION

TED PROJECT NO.

ARCHITECT PROJECT NO.

PROJECT TITLE



WILDWOOD PARK PARTI IMPROVEMENTS

DRAWING TITLE

SHEET NAME

DRAWING NO.

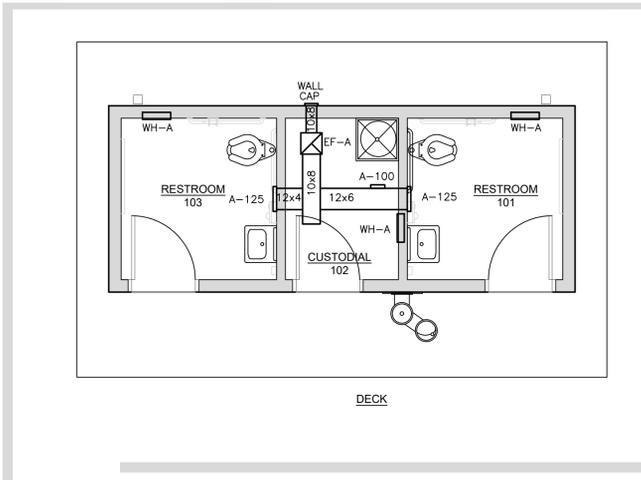
M101

M101

THIS DRAWING IS THE PROPERTY OF ENGINEERING SOURCE OF NC, P.A. THIS DRAWING IS NOT TO BE COPIED IN WHOLE OR IN PART. THIS DRAWING OR THE INFORMATION HEREON IS NOT TO BE USED ON ANY OTHER PROJECT AND MUST BE RETURNED TO ENGINEERING SOURCE OF NC, P.A. UPON REQUEST. DO NOT SCALE THESE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.

MECHANICAL GENERAL NOTES:

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE NC BUILDING CODE & CONTR. SHALL NOTIFY ENGINEER IN WRITING REGARDING ANY CODE DISCREPANCIES FOUND ON PLANS. CONTR. IS RESPONSIBLE FOR PERMITS, INSPECTIONS AND FEES.
- SYSTEMS INDICATED ON PLANS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL PROVIDE NECESSARY HANGERS, FASTENERS ETC. TO PROVIDE A COMPLETE AND WORKING SYSTEM.
- CONTRACTOR SHALL SEAL ALL DUCTWORK WITH A PAINT ON MASTIC. ALL WALL PENETRATIONS SHALL BE SEALED AIR TIGHT.
- CONTRACTOR SHALL FIELD MEASURE ACTUAL INSTALLED CONDITIONS AND COORDINATE DUCT SIZES PRIOR TO FABRICATION OR INSTALLATION OF EQUIP. & DUCTWORK.
- CONTRACTOR SHALL COORDINATE ALL DUCTWORK, DIFFUSER AND GRILLE LOCATION WITH OTHER CEILING MOUNTED DEVICES SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
- CONTRACTOR SHALL INSTALL BALANCING DAMPERS IN EACH BRANCH DUCT TO PROVIDE PROPER AIRFLOW TO EACH ZONE.
- LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 4'-0" A.F.F. (CENTER OF BOX FOR GYP BRD, TOP OF BOX FOR MASONRY) IN LOCATION INDICATED ON PLANS.
- ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- CONTRACTOR SHALL COORDINATE ALL ROOF AND FLOOR PENETRATION LOCATIONS AND SIZES.
- FABRICATE AND INSTALL ALL DUCT WORK PER SMACNA 1.5" W.C. PRESSURE. ALL ELBOWS SHALL HAVE 1.5R CENTERLINE. ALL DUCT UNDER SLAB SHALL BE FIBERGLASS.
- ALL FLEXIBLE ROUND DUCT SHALL BE PRE-INSULATED DOUBLE WALLED WITH SPIRAL METAL RIB, AND SHALL HAVE MIN. RESISTANCE VALUE OF R-6. MAXIMUM LENGTH SHALL BE 10'-0" UNLESS SHOWN SPECIFICALLY OTHERWISE IN PLAN. SECURE ENDS WITH NYLON BANDS AND TAPE.
- ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED WITH A MINIMUM OF 2-3/16" 3/4 LB. OR 2" OF 1.0 LB. DENSITY FIBERGLASS WRAP. PIPING INSULATION (REFRIGERANT OR WATER) SHALL BE A MINIMUM OF 1-1/2" THICK OR PER LATEST NC ENERGY CODE, WHICHEVER IS GREATER.
- ALL DUCTWORK AND PIPING SHALL BE CONCEALED ABOVE CEILINGS, TRUSSES AND SOFFITS EXCEPT IN MECHANICAL ROOMS, UTILITY PLATFORMS AND WHERE NOTED OTHERWISE.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL WIRING & CONNECTIONS TO HIS EQUIPMENT. COORD. FEEDER AND FUSE SIZES FOR SPECIFIC EQUIPMENT PROVIDED WITH ELECTRICIAN. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WORK AND EQUIPMENT REQUIRED TO PROVIDE FEEDERS FOR EQUIPMENT THAT EXCEEDS THE AMP RATINGS LISTED IN THE SCHEDULE.
- MECHANICAL CONTRACTOR MAY USE ROUND DUCT OF EQUIV. AREA IN LIEU OF RECTANGULAR. COORD. ROUND DUCT SIZES W/ ENGR. USE INSULATED DOUBLE WALLED SPIRAL DUCT WITH PAINT GRIP FINISH WHERE DUCT IS TO BE EXPOSED.
- MECHANICAL CONTRACTOR SHALL PROVIDE ENGR. WITH AN AIR BALANCE REPORT INDICATING INITIAL AND FINAL READINGS AT EACH DIFFUSER AND TOTAL CFM PER UNIT, INCLUDE IN DOCUMENTS PROVIDED TO OWNER AT JOB CLOSEOUT.
- MECHANICAL CONTRACTOR SHALL LABEL ALL EQUIPMENT WITH ENGRAVED PLASTIC LAMINATE, SCREWED TO PIECE OF EQUIPMENT.
- MECHANICAL CONTRACTOR SHALL NOT ALLOW DUCTWORK TO CONTACT LAY-IN LIGHT FIXTURES. ROUTE ACCORDINGLY.



101.1 MECHANICAL PLAN
SCALE: 1/4" = 1'

AIR DISTRIBUTION						
MARK	MAX. CFM	FRAME	NECK SIZE	MODEL	MANUF.	REMARKS
A	250	SIDEWALL	14X6	630D	PRICE	2,4,5,6
B	200	SIDEWALL	10X6	630D	PRICE	2,4,5,6

- ALL T-BAR GRILLES SHALL HAVE 24"x24" FACE.
- NC SHALL NOT EXCEED NC 25.
- MAX. SP SUPPLY - 0.10" W.C.
- MAX. SP RETURN - 0.05" W.C.
- ALL RUN-OUTS AND FLEX TO BE EQUAL TO NECK SIZE FOR SUPPLY.
- PROVIDE ALUMINUM GRILLE WITH OBD BALANCING DAMPER IN THROAT.
- CONTRACTOR SHALL INSULATE BACK OF SUPPLY GRILLE PAN.

ELECTRIC WALL HEATER SCHEDULE							
MARK	WATTS	VOLTAGE/PHASE	MAKE/MODEL	AMP DRAW	CFM	BTU OUTPUT	NOTES
WH-A	750	120/1	MARKEL-E3321TD-RP	6.25	175	2,560	1,2

- PROVIDE WITH UNIT MOUNTED THERMOSTAT & RECESSED WALL MOUNT.
- PROVIDE WITH UNIT MOUNTED CIRCUIT BREAKER

FAN SCHEDULE									
SYMBOL	MANUF./MODEL	SERVICE	TYPE ASSEMBLY	CFM	SP (IN. W.G.)	DRIVE TYPE	WATTS	VOLT/PH	REMARKS
EF-A	GREENHECK/CSP-A390	EXHAUST	IN-LINE	350	.125	DIRECT	135	120/1	1,2,3,4

- BACKDRAFT DAMPER.
- UNIT MOUNTED DISCONNECT SWITCH.
- ROUTE 8" DUCT TO EXTERIOR WALL. PROVIDE WITH WALL CAP.
- EQUALS BY CARNES, PENN, ILG AND BROAN ARE ACCEPTABLE.

MECHANICAL LEGEND

- G.C. GEN. CONTR.
- E.C. ELEC. CONTR.
- P.C. PLUMB. CONTR.
- AFB ABOVE FINISH FLOOR
- AFG ABOVE FINISH GRADE
- 18x16 WRAPPED RIGID DUCT
- INSULATED FLEXIBLE DUCT
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- CEILING EXHAUST GRILLE OR FAN
- T AHU-1 THERMOSTAT & UNIT SERVED.
- H AHU-1 HUMIDISTAT & UNIT SERVED.
- A-400 DIFFUSER TYPE-CFM
- MANUAL DAMPER
- SD DUCT MOUNTED SMOKE DETECTOR
- SD CEILING MOUNTED SMOKE DETECTOR
- FIRE ALARM HORN/STROBE (SEE GENERAL NOTES)
- CONN. TO EXIST.
- G GAS PIPING
- FD SPRING LOADED FIRE DAMPER
- CO2 AHU-1 CO2 SENSOR (800 PPM) & UNIT SERVED.
- T TWIST TIMER SWITCH
- M 120V MOTORIZED DAMPER
- CO & NO AHU-1 CO & NO SENSOR & UNIT SERVED. CONSPIC CN50-CO202

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
METHOD OF COMPLIANCE:

PRESCRIPTIVE ENERGY COST BUDGET

CLIMATE ZONE: IBC - 3
THERMAL ZONE

WINTER DRY BULB: 18°F
SUMMER DRY BULB: 93°F

INTERIOR DESIGN CONDITIONS
WINTER DRY BULB: 70°F
SUMMER DRY BULB: 75°F
RELATIVE HUMIDITY: 50%

BUILDING HEATING LOAD: 7,758 BTU

BUILDING COOLING LOAD: N/A

MECHANICAL SPACE CONDITIONING SYSTEM

UNITARY
DESCRIPTION OF UNIT: ELECTRIC UNIT HEATER
HEATING EFFICIENCY: 3.0 COP
COOLING EFFICIENCY: N/A
HEAT OUTPUT OF UNIT: SEE SCHEDULE
COOLING OUTPUT OF UNIT: SEE SCHEDULE

BOILER
TOTAL BOILER OUTPUT: (If oversized, state reason)
CHILLER
TOTAL CHILLER OUTPUT: (If oversized, state reason)

LIST EQUIPMENT EFFICIENCIES
EQUIPMENT SCHEDULES WITH MOTORS (Not used for mechanical systems)

MOTOR HORSEPOWER:
NUMBER OF PHASES:
MINIMUM EFFICIENCY:
MOTOR TYPE:
OF POLES:

DESIGNER STATEMENT:

mechanical systems, service systems and equipment requirements of the 2012 North Carolina Energy Conservation Code.

SIGNED: *D. Wilson Pou*

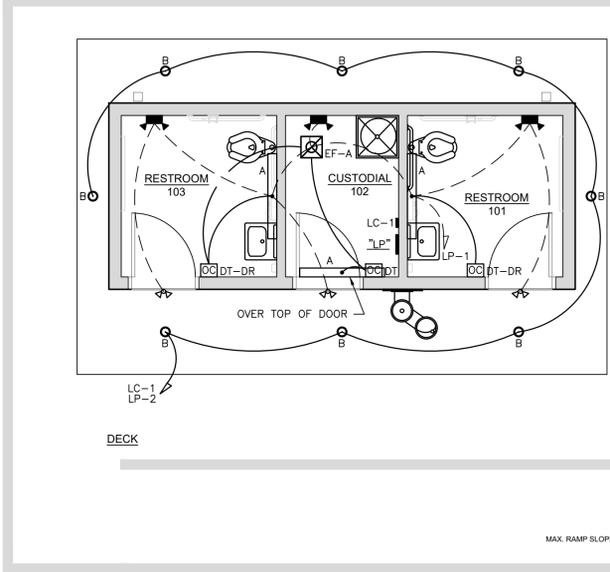
NAME: D. Wilson Pou, P.E.

TITLE: Owner/Engineer



LIGHT FIXTURE SCHEDULE

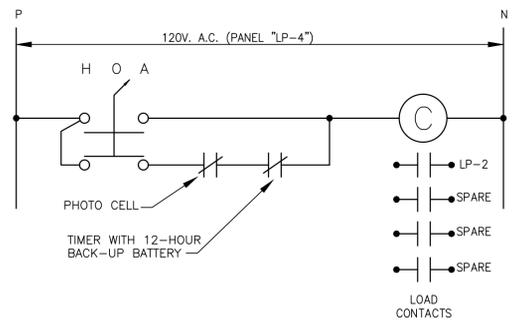
TYPE	DESCRIPTION	LAMPS	VOLTS	WATTS	B.F.
A	4' WALL MOUNTED DIRECT/INDIRECT LED LIGHT FIXTURE, NO DIMMING, SW TOGETHER. PROVIDE WILLIAMS - WMAUD-4-L20U/40D-8-40-AF-UNV OR EQUAL	LED	120	35	-
B	4.5" SHALLOW PLENUM UL LISTED LED DOWN LIGHT FIXTURE WITH ANGLED TRIM. DIRECT ANGLED TRIM TO WASH BUILDING EXTERIOR. WILLIAMS - 4PR-TL-L20-8-4000K-A-WIDE OR EQUAL	LED	120	22	-
	WALL MOUNTED DOOR LIGHT WITH DIE-CAST ALUMINUM HOUSING. PROVIDE WITH UL LISTED, 90 MINUTE, EMERGENCY BACK-UP BATTERY SYSTEM. PROVIDE WITH UL LISTING FOR WET LOCATION MOUNTING. 2 LAMPS MEETING NFPA 101. PROVIDE SURELIGHTS#: SELW-25-BZ OR EQUAL	2-6W XENON WEDGE-BASED	120/6V	12W	N/A
	DECORATIVE EMERGENCY WALL PACK SURELIGHTS - AEL2-46-WH-SD	2-5.4W LED	120/6V	12	N/A



102.1 LIGHTING PLAN
SCALE: 1/4" = 1'

ELECTRICAL LEGEND (REFER TO MOUNTING HEIGHT SCHEDULE FOR MOUNTING HEIGHT INFORMATION)

	FLUORESCENT LIGHT FIXTURE, 2x4 FT.	\$	WALL SWITCH, SINGLE POLE, 20 AMP, 120 V., "SPEC. GRADE"
	FLUORESCENT LIGHT FIXTURE NIGHT LIGHT	\$D	WALL SWITCH, DIMMER, 20 AMP, 120 V., "SPEC. GRADE"
	FLUORESCENT STRIP LIGHT, 8 FT.	\$3	WALL SWITCH, 3-WAY, 20 AMP, 120 V., "SPEC. GRADE"
	FLUORESCENT STRIP LIGHT, 4 FT.	\$M	MANUAL MOTOR STARTER, 20A, 120V
	FLUORESCENT LIGHT FIXTURE, 1x4 FT.	\$S	DOUBLE GANG WALL SWITCH, 20 AMP, 120V., "SPEC. GRADE"
	FLUORESCENT LIGHT FIXTURE, 2'x2'	□	NON-FUSED DISCONNECT SWITCH, 240V, 30A, U.N.O.
	POLE MOUNTED LIGHT FIXTURE, AS SPECIFIED	⊞	FUSED DISCONNECT SWITCH DISCONNECT FUSE SIZE DISCONNECT FRAME SIZE
	FLUORESCENT LIGHT FIXTURE WALL SCONCE	⊞	FIRE ALARM MANUAL PULL STATION
	OWNER SELECTED PENDANT MOUNTED	⊞	FIRE ALARM HORN/STROBE
	EXTERIOR TWO-HEAD LIGHT	⊞	FIRE ALARM STROBE
	EXTERIOR DOOR LIGHT	⊞	SMOKE DETECTOR
	LIGHT AND EXHAUST FAN COMBINATION	⊞	HEAT DETECTOR, CEILING MOUNTED
	EXHAUST FAN	⊞	DUCT SMOKE DETECTOR
	H.I.D. LIGHT FIXTURE, AS SPECIFIED.	⊞	FIRE ALARM CONTROL PANEL, FLUSH MOUNTED.
	RECESSED OR SURFACE MOUNTED ROUND FIXTURE	⊞	GROUND - EXTEND AND CONNECT TO APPROVED GROUND
	RECESSED NIGHT LIGHT	⊞	ELECTRICAL PANEL - SURFACE MOUNTED.
	WALL PACK	⊞	ELECTRICAL PANEL - FLUSH MOUNTED.
	BOLLARD EXTERIOR LIGHT	⊞	UNSWITCHED CIRCUIT, 2#12 & 1 #12 G. IN 3/4" C., U.N.O.
	EXTERIOR GROUND MOUNTED FLOOD LIGHT	⊞	SWITCHED CIRCUIT
	JUNCTION BOX	?-#	PANEL NAME-CIRCUIT #
	TELEPHONE OUTLET WITH COVER SEE DETAIL FOR INSTALLATION INSTRUCTIONS.	WP	WEATHER PROOF
	DATA/LAN OUTLET WITH COVER. SEE DETAIL FOR INSTALLATION INSTRUCTIONS.	GFI	GROUND FAULT INTERRUPTER
	EXIT LIGHT	A.F.F.	ABOVE FINISHED FLOOR
	EMERGENCY EXIT LIGHT	NL	NIGHT LIGHT
	EMERGENCY LIGHT WALL MOUNTED UNLESS NOTED OTHERWISE.	U.N.O.	UNLESS NOTED OTHERWISE
	DUPLEX RECEPTACLE, 20 AMP, 120 V., "SPEC. GRADE"	IG	ISOLATED GROUND
	220 V. RECEPTACLE, MATCH APPLIANCE PLUG	LC	LIGHTING CONTACTOR
	FLUSH MOUNTED FLOOR DUPLEX RECEPTACLE	EWC	ELECTRIC WATER COOLER
	FLUSH MOUNTED FLOOR DATA/LAN OUTLET	AC	ABOVE COUNTER
	QUAD RECEPTACLE, 20 AMP, 120 V., "SPEC. GRADE"	BC	BELOW COUNTER
		EX	EXISTING
		ETR	EXISTING TO REMAIN
		ER	EXISTING TO BE RELOCATED



LIGHTING CONTACTOR DETAIL
SCALE: NTS

OC. SENSOR SCHEDULE

TYPE	DESCRIPTION
PIR	PASSIVE INFRARED -WALL MOUNT - WATT STOPPER #PW-100 - HUBBLE #LH-IR -CEILING MOUNT - WATT STOPPER #CJ-305 W/BZ-150 PPAK - HUBBLE OMNI-IR-UVPP
US	ULTRASONIC -WALL MOUNT - WATT STOPPER #UW-100 - HUBBLE #LH-US -CEILING MOUNT - WATT STOPPER #UT-305 W/BZ-150 PPAK - HUBBLE #OMNI-US-UVPP
DT DT-DR	DUAL TECHNOLOGY -WALL MOUNT - WATT STOPPER #DW-100 - HUBBLE #LH-MT -WALL MOUNT DUAL RELAY - WATT STOPPER #DW-200 - HUBBLE #LH-MT-D2 -CEILING MOUNT - WATT STOPPER #DT-305 W/BZ-150 PPAK - HUBBLE #OMNI-DT-UVPP
TIME	PUSH BUTTON TIMER -WALL MOUNT - WATT STOPPER #TS-400 - HUBBLE #TD-200

* ALL OCCUPANCY SENSORS SPECIFIED USE 120/277V AC POWER. EQUALS ACCEPTED, MAKE AND MODEL USED TO SET STANDARD OF PERFORMANCE & QUALITY.
 * ALL OCCUPANCY SENSORS INSTALLED ARE WALL MOUNTED, CIRCUITED PER PLANS.

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE:
 ENERGY CODE: PRESCRIPTIVE PERFORMANCE
 ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE

LIGHTING SCHEDULE
 LAMP TYPE REQUIRED IN FIXTURE: VARIES (SEE LIGHT FIXTURE SCHEDULE THIS DRAWING)
 NUMBER OF LAMPS IN FIXTURE: VARIES (SEE LIGHT FIXTURE SCHEDULE THIS DRAWING)
 BALLAST TYPE IN FIXTURE: VARIES (SEE LIGHT FIXTURE SCHEDULE THIS DRAWING)
 NUMBER OF BALLASTS IN FIXTURE: VARIES (SEE LIGHT FIXTURE SCHEDULE THIS DRAWING)
 TOTAL WATTAGE PER FIXTURE: VARIES (SEE LIGHT FIXTURE SCHEDULE THIS DRAWING)

TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED: * 120W VS. 171W *
 EXTERIOR LIGHTING ZONE: 3
 EXTERIOR LIGHTING WATTAGE SPECIFIED VS. ALLOWED: ** 160W VS. 183W **

ADDITIONAL PRESCRIPTIVE COMPLIANCE
 C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating

DESIGNER STATEMENT:
 To the best of my knowledge and belief, the design of this building complies with the electrical system and equipment requirements of the North Carolina Building Code, Energy Conservation Code.

SIGNED:
 NAME: D. WILSON, P.E.
 TITLE: PROFESSIONAL ENGINEER

ENGINEERING
 SOURCE OF NO. PA.
 102-A2 Regency Blvd. Greenville, NC 27834
 E-Mail Address: generalmail@engrsource.com
 Voice (252) 439-0238 • Fax (252) 439-0462 • File #E-1073

102-A2 Regency Blvd. Greenville, NC 27834
 E-Mail Address: generalmail@engrsource.com
 Voice (252) 439-0238 • Fax (252) 439-0462 • File #E-1073

NO.	DATE	DESCRIPTION

NO.	DATE	DESCRIPTION

PROJECT NO.
 PROJECT TITLE

Greenville
 NORTH CAROLINA

WILDWOOD PARK
 PART F IMPROVEMENTS

DRAWING TITLE
 LIGHTING PLAN

DRAWING NO.
E102

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RPA ENGINEERING, P.A.
Structural Engineering Solutions
 Engineering License Certificate No. C-2734
 102 Regency Blvd. Phone: 252-321-6027
 Suite A1 Greenville, NC 27858 Fax: 252-355-2179
 Greenville, NC 27834
 RPA Project No.: 2024029

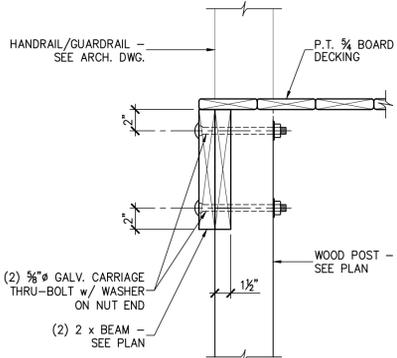
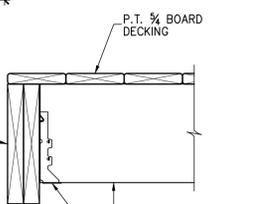
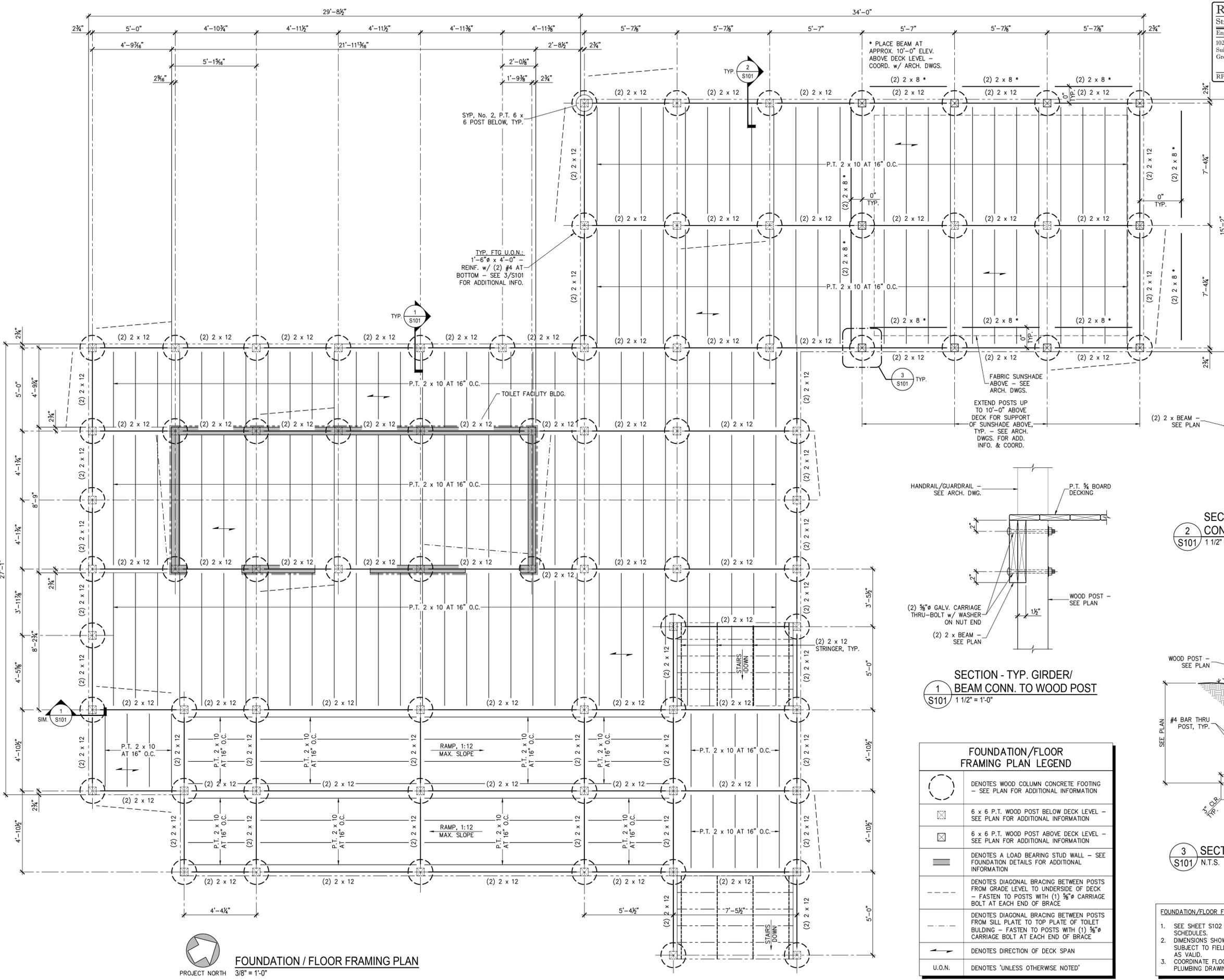
THE EAST GROUP
 ■ Engineering ■ Architecture
 ■ Surveying ■ Technology
 Corporate Office
 324 Evans Street
 Greenville, NC 27858
 Tel 252.768.3746
 Fax 252.830.3954
 Branch Office
 4325 Lake Boone Trail, Suite 311
 Raleigh, NC 27607
 Tel 919.784.9330
 Fax 919.784.9331
 NC Engineering License No. C-0206
 NC Architectural License No. 50213
 NC Landscape Architectural License No. C-427

BW ARCHITECTURE
 FORGING THE BUILT ENVIRONMENT
 BW ARCHITECTURE, PLLC
 www.bwarchitecture.info
 100 A OAKMONT DR.
 GREENVILLE, NC 27858
 252.355.1300

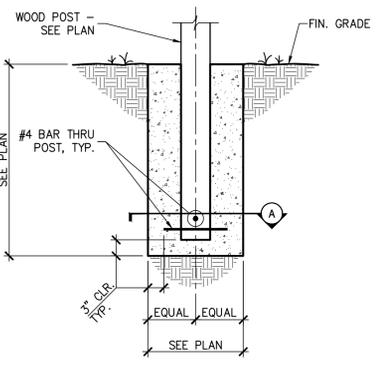


REV	DATE	DESCRIPTION

PROJECT NO.:
 ARCHITECT PROJECT NO.:
 PROJECT TITLE:
Greenville NORTH CAROLINA
 WILDWOOD PARK PARTI IMPROVEMENTS
 DRAWING TITLE:
FOUNDATION PLAN, PLAN LEGEND, PLAN NOTES, SECTIONS & DETAILS
 DRAWING NO.:
S101



2 SECTION - TYP. JOIST CONN. TO WOOD POST
 S101 1 1/2" = 1'-0"



3 SECTION - TYP. POST FTG. S101
 N.T.S.

FOUNDATION/FLOOR FRAMING PLAN LEGEND

	DENOTES WOOD COLUMN CONCRETE FOOTING - SEE PLAN FOR ADDITIONAL INFORMATION
	6 x 6 P.T. WOOD POST BELOW DECK LEVEL - SEE PLAN FOR ADDITIONAL INFORMATION
	6 x 6 P.T. WOOD POST ABOVE DECK LEVEL - SEE PLAN FOR ADDITIONAL INFORMATION
	DENOTES A LOAD BEARING STUD WALL - SEE FOUNDATION DETAILS FOR ADDITIONAL INFORMATION
	DENOTES DIAGONAL BRACING BETWEEN POSTS FROM GRADE LEVEL TO UNDERSIDE OF DECK - FASTEN TO POSTS WITH (1) 3/8\"/>
	DENOTES DIAGONAL BRACING BETWEEN POSTS FROM SILL PLATE TO TOP PLATE OF TOILET BUILDING - FASTEN TO POSTS WITH (1) 3/8\"/>
	DENOTES DIRECTION OF DECK SPAN
U.O.N.	DENOTES 'UNLESS OTHERWISE NOTED'

- FOUNDATION/FLOOR FRAMING PLAN NOTES:**
- SEE SHEET S102 FOR GENERAL STRUCTURAL NOTES & SCHEDULES.
 - DIMENSIONS SHOWN WITH '±' ARE EXISTING AND ARE SUBJECT TO FIELD VERIFICATION PRIOR TO ACCEPTANCE AS VALID.
 - COORDINATE FLOOR OPENINGS WITH MECHANICAL AND PLUMBING DRAWINGS.

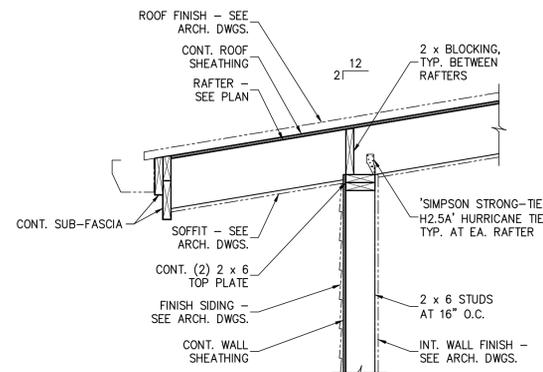
FOUNDATION / FLOOR FRAMING PLAN
 PROJECT NORTH
 3/8" = 1'-0"

GENERAL STRUCTURAL NOTES:

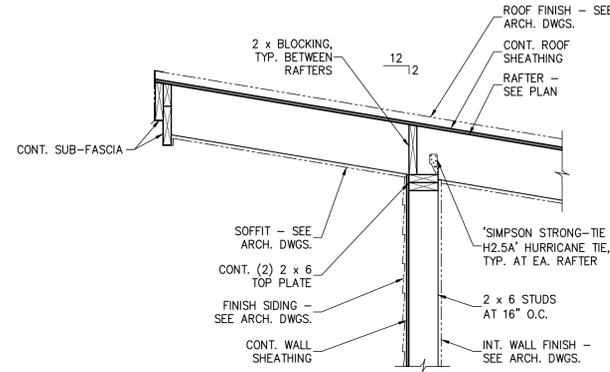
1. **GENERAL NOTES**
 - 1.1. METHODS, PROCEDURES AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
 - 1.2. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR SLEEVES, CURBS, INSERTS OR OPENINGS NOT HEREIN INDICATED.
 - 1.3. COORDINATE THESE DRAWINGS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS.
 - 1.4. VERIFY ALL FLOOR AND ROOF OPENING SIZES AND LOCATIONS, EQUIPMENT PAD SIZES AND LOCATIONS, ANCHOR BOLT LAYOUTS, ETCETERA, WITH EQUIPMENT SELECTED.
 - 1.5. VERIFY STRUCTURE LOCATION AND ORIENTATION WITH OWNER AND LOT SETBACK REQUIREMENTS BEFORE ANY CONSTRUCTION IS STARTED ON THE PROJECT.
 - 1.6. CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION DIMENSIONS WHICH IMPACT NEW CONSTRUCTION PRIOR TO FABRICATING ANY REBAR, STEEL, TRUSSES, ETCETERA.
 - 1.7. DO NOT CUT, NOTCH, OR OTHERWISE MODIFY ANY STRUCTURAL MEMBERS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 - 1.8. CUTTING OF STEEL MEMBERS AND INSTALLATION OF HOLES IN STEEL MEMBERS SHALL BE DONE BY CUTTING OR DRILLING. DO NOT USE TORCHES FOR CUTTING UNLESS APPROVED BY THE ENGINEER OF RECORD. CONTRACTOR IS RESPONSIBLE FOR DESIGN AND INSTALLATION OF ALL SHORING REQUIRED TO SUPPORT NEW AND EXISTING STRUCTURAL ELEMENTS.
 - 1.9. THE STRUCTURE IS DESIGNED FOR 125 WIND VELOCITY AND 100 PSF UNIFORM LIVE LOAD (FLOOR).
2. **FOUNDATION**
 - 2.1. ALL FOOTINGS SHALL BE ON UNDISTURBED SOIL OR 98% COMPACTED FILL PER ASTM D698.
 - 2.2. NO FOOTINGS OR SLABS SHALL BE POURED INTO OR AGAINST SUBGRADE CONTAINING FREE WATER, FROST, ICE OR LOOSE MATERIAL.
 - 2.3. EXCAVATIONS FOR FOOTINGS SHALL HAVE THE SIDES AND BOTTOMS TEMPORARILY LINED WITH 6 MIL. POLYETHYLENE IF PLACEMENT OF CONCRETE DOES NOT OCCUR WITHIN 24 HRS OF THE EXCAVATION OF THE FOOTING.
 - 2.4. ADVERSE FOUNDATION CONDITIONS NOTED DURING CONSTRUCTION SUCH AS SOFT SOILS, ORGANIC MATTER, ETCETERA, SHALL BE REPORTED TO THE ENGINEER BEFORE FURTHER CONSTRUCTION IS ATTEMPTED. IF UNDERMINING OF FOOTINGS OCCURS, FILL VOIDS WITH LEAN CONCRETE MIX. DO NOT ATTEMPT TO REPLACE AND RECOMPACT SOIL.
3. **CONCRETE**
 - 3.1. ALL PLACED CONCRETE, SHALL HAVE NORMAL WEIGHT COARSE AGGREGATES UNLESS OTHERWISE NOTED, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f_c) AT 28 DAYS AS SHOWN ON THE CONCRETE MATERIALS SCHEDULE.
 - 3.2. GROUT FOR BASE PLATES SHALL BE NON-METALLIC, NON-SHRINKABLE GROUT, AND SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH, AT 28 DAYS, OF 5000 PSI.
 - 3.3. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.
 - 3.4. CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH ¼" x 45 DEGREE CHAMFER, UNLESS OTHERWISE NOTED.
 - 3.5. HORIZONTAL FOOTING AND HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS, AND SHALL HAVE 90 DEGREE BENDS AND EXTENSIONS, OR CORNER BARS OF EQUIVALENT SIZE LAPPED, WITH A CLASS B TENSION SPICE, AT CORNERS AND INTERSECTIONS. TOP BAR CRITERIA SHALL APPLY IF 12" OR MORE OF FRESH CONCRETE IS PLACED BELOW BAR.
 - 3.6. SEE ARCHITECTURAL DRAWINGS FOR ALL WATERPROOFING / DAMPPROOFING DETAILS.
 - 3.7. ALL DOWELS SHALL MATCH SIZE AND NUMBER OF MAIN REINFORCING, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - 3.8. SEE ARCHITECTURAL DRAWINGS FOR TYPE AND LOCATION OF FLOOR FINISHES.
 - 3.9. SEE MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS FOR ADDITIONAL WALL / SLAB OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
 - 3.10. ALL REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60.
 - 3.11. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
 - 3.12. DETAIL AND FABRICATE REINFORCING STEEL IN ACCORDANCE WITH THE ACI DETAILING MANUAL.
 - 3.13. IN-PLACE REINFORCING STEEL, SHALL BE REVIEWED BY THE ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
 - 3.14. AT CORNERS AND INTERSECTIONS, PROVIDE BARS OF THE SAME NUMBER AND SIZE AS THE LONGITUDINAL BARS IN THE FOOTING.
 - 3.15. CONCRETE MATERIALS SHALL BE AS FOLLOWS:
 - 3.15.1. USE TYPE I/II PORTLAND CEMENT CONFORMING TO ASTM C150
 - 3.15.2. AGGREGATE SHALL CONFORM TO ASTM C33 (FINE AND COURSE AGGREGATES)
 - 3.15.3. AIR ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260
 - 3.15.4. PLASTICIZER CAN BE USED TO IMPROVE WORKABILITY IF REQUIRED
 - 3.16. CONCRETE MIX DESIGN:
 - 3.16.1. MAXIMUM WATER/CEMENT RATIO - 0.50 FOR SLAB, 0.55 FOR FOOTINGS AND OTHER CONCRETE UNLESS OTHERWISE NOTED.
 - 3.16.2. SLUMP SHALL BE 4 INCHES TO 6 INCHES (WITHOUT PLASTICIZER)
 - 3.16.3. AIR ENTRAINMENT SHALL BE 4% TO 6% (EXTERIOR CONCRETE)
 - 3.17. CONCRETE SLAB SHALL BE CURED USING A WATER-BASED CURING COMPOUND. CURING COMPOUND SHALL BE APPLIED TO ALL HORIZONTAL SURFACES. ONCE THE SURFACE WATER DISSIPATES AND THE SURFACE IS NOT MARRED BY WALKING, APPLY PER MANUFACTURER'S SPECIFICATIONS.
 - 3.18. CONDUCT SLUMP, AIR, AND STRENGTH TESTS OF CONCRETE IN ACCORDANCE WITH THE FOLLOWING PROCEDURES:
 - 3.18.1. SECURE SAMPLES IN ACCORDANCE WITH "METHOD OF SAMPLING FRESH CONCRETE" (ASTM C 172). MOLD AND CURE FIVE SPECIMENS FROM EACH SAMPLE IN ACCORDANCE WITH "METHOD OF MAKING AND CURING CONCRETE COMPRESSION AND FLEXURE SPECIMENS IN THE FIELD" (ASTM C 31). FIVE SPECIMENS COMPRISE ONE TEST. TEST TWO SPECIMENS AT 7 DAYS (ASTM C 39). TEST TWO SPECIMENS AT 28 DAYS IN ACCORDANCE WITH "METHOD OF TEST FOR COMPRESSIVE STRENGTH OF MOLDED CONCRETE CYLINDERS" (ASTM C 39). TEST EVALUATION SHALL BE CONDUCTED IN ACCORDANCE WITH PROVISIONS OF ACI 318-14. KEEP ONE SPECIMEN IN RESERVE.
 - 3.18.2. MAKE ONE STRENGTH TEST FOR EACH 100 CUBIC YARDS OR FRACTION THEREOF FOR EACH MIX DESIGN OF CONCRETE PLACED IN ONE DAY, EXCEPT THAT IN NO CASE SHALL A GIVEN MIX DESIGN BE REPRESENTED BY LESS THAN THREE TESTS.
4. **WOOD FRAMING**
 - 4.1. ALL STRUCTURAL WOOD MEMBERS SHALL BE No. 2 SOUTHERN YELLOW PINE, 19% MAXIMUM MOISTURE CONTENT, UNLESS OTHERWISE NOTED. INTERIOR NON BEARING PARTITIONS MAY BE No. 2 SPRUCE (SPF).
 - 4.2. ALL WOOD FRAMING, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE PRESSURE TREATED, UNLESS OTHERWISE NOTED.
 - 4.3. ALL LVLs, DIRECTLY EXPOSED TO WEATHER, OR IN DIRECT CONTACT WITH MASONRY, SOIL OR CONCRETE, SHALL BE EXTERIOR GRADE, UNLESS NOTED OTHERWISE.
 - 4.4. ALL METAL CONNECTORS SHALL BE HOT DIP GALVANIZED. INSTALL ALL CONNECTORS PER THE MANUFACTURER'S RECOMMENDATIONS. METAL CONNECTOR DESIGNATIONS INDICATED ON PLANS, ARE FOR 'SIMPSON STRONG-TIE' ANCHORS. ANCHORS FROM OTHER MANUFACTURERS MAY BE USED, PROVIDED THEY HAVE EQUIVALENT STRENGTH.
 - 4.5. ALL NAILED CONNECTIONS SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE TABLE 2304.10.1. SEE 2018 NBC - FASTENING SCHEDULE, UNLESS OTHERWISE NOTED.
 - 4.6. FRAMING CONNECTIONS THAT ARE BOLTED OR SCREWED, SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD.
 - 4.7. PROVIDE STUDS AND HEADERS AT ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS AS FOLLOWS, UNLESS OTHERWISE NOTED:

OPENING WIDTH	STUDS	HEADER
0'-0" TO 6'-0"	2 KING STUDS, 1 JACK STUD	(2) 2 x 10 AT 2 x 4 WALL (3) 2 x 10 AT 2 x 6 WALL
6'-1" TO 8'-0"	2 KING STUDS, 2 JACK STUDS	(2) 2 x 10 AT 2 x 4 WALL (3) 2 x 10 AT 2 x 6 WALL
8'-1" TO 12'-0"	3 KING STUDS, 2 JACK STUDS	(2) 2 x 12 AT 2 x 4 WALL (3) 2 x 12 AT 2 x 6 WALL
5. **WOOD DECKING/SHEATHING**
 - 5.1. WALL SHEATHING SHALL BE ½" PLYWOOD OR ORIENTED STRAND BOARD (OSB), UNLESS OTHERWISE NOTED. ATTACH WALL SHEATHING TO FRAMING WITH 10d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS. PROVIDE SOLID BLOCKING AT PANEL EDGES (48" O.C.).
 - 5.2. ROOF SHEATHING SHALL BE ½" PLYWOOD OR ORIENTED STRAND BOARD (OSB), UNLESS OTHERWISE NOTED. ATTACH ROOF SHEATHING TO FRAMING WITH 8d NAILS AT 4" O.C. AT PANEL EDGES AND 12" O.C. AT INTERIOR MEMBERS.

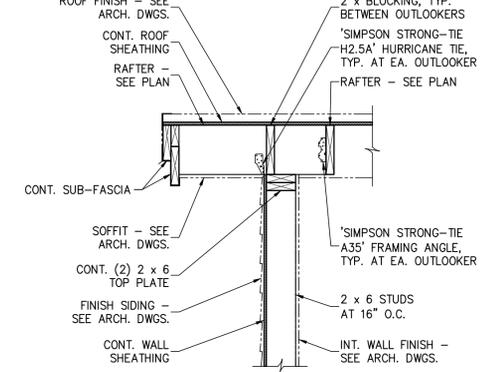
EXPOSED CONCRETE FINISH SCHEDULE		
AREA	FINISH	COMMENTS
ALL EXTERIOR WALLS, CURBS, UNLESS OTHERWISE NOTED	SMOOTH FORM	-
EXTERIOR CONCRETE PAVEMENT, SIDEWALKS	COARSE BROOM	-
SLAB ON GRADE	TROWEL	-
EXT. EQUIP. PADS	COARSE BROOM	-
EXTERIOR STAIRS	COARSE BROOM	-
-	-	-



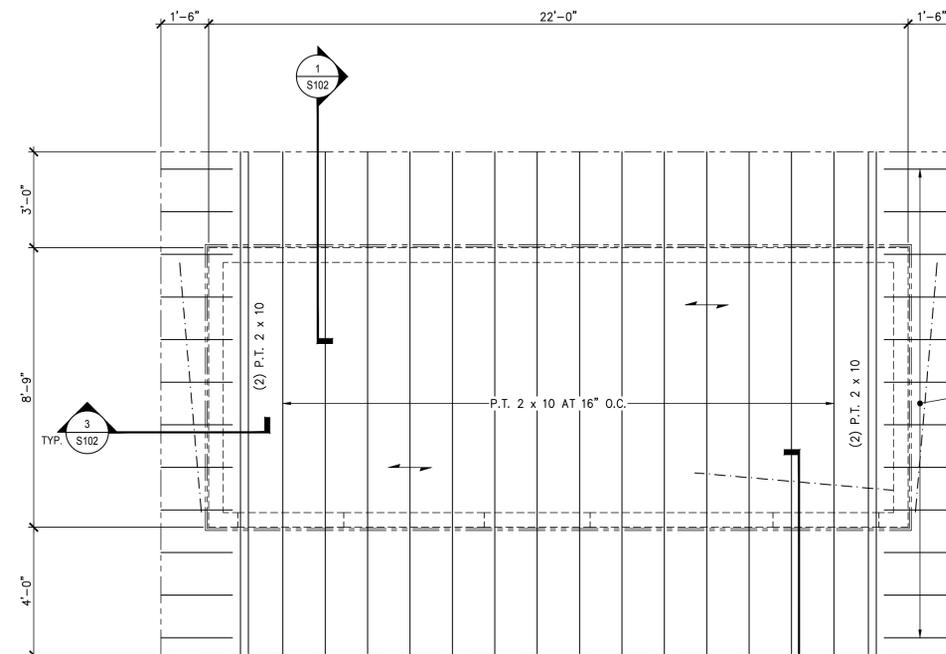
1 SECTION - TYP. LOW EAVE RAFTER BRG. S102 N.T.S.



2 SECTION - TYP. HIGH EAVE RAFTER BRG. S102 N.T.S.



3 SECTION - TYP. END WALL OUTLOOKER BRG. S102 N.T.S.



ROOF FRAMING PLAN LEGEND	
	DENOTES DIRECTION OF DECK SPAN
U.O.N.	DENOTES 'UNLESS OTHERWISE NOTED'

- ROOF FRAMING PLAN NOTES:**
1. SEE THIS SHEET GENERAL STRUCTURAL NOTES AND SCHEDULES.
 2. DIMENSIONS SHOWN WITH '±' ARE EXISTING AND ARE SUBJECT TO FIELD VERIFICATION PRIOR TO ACCEPTANCE AS VALID.
 3. COORDINATE ROOF OPENINGS WITH MECHANICAL AND PLUMBING DRAWINGS.



PROJECT NORTH 3/8" = 1'-0"

RPA ENGINEERING, P.A.
 Structural Engineering Solutions
 Engineering License Certificate No. C-2734
 102 Regency Blvd. Phone: 252-321-6027
 Suite A1 Greenville, NC 27834 Fax: 252-355-2179
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THE EAST GROUP
 Engineering Architecture
 Surveying Technology
 Corporate Office
 324 Evans Street
 Greenville, NC 27858
 Tel 252.768.9746
 Fax 252.830.3954
 Branch Office
 4325 Lake Boone Trail, Suite 311
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BWARCHITECTURE
 FORGING THE BUILT ENVIRONMENT
 BY ARCHITECTURE, PLLC
 www.bwarchitecture.info
 100 A OAKMONT DR.
 GREENVILLE, NC 27858
 252.355.1300



REV	DATE	DESCRIPTION

PROJECT NO. _____
 ARCHITECT PROJECT NO. _____
 PROJECT TITLE
Greenville NORTH CAROLINA
 WILDWOOD PARK PART I IMPROVEMENTS
 DRAWING TITLE
ROOF FRAMING PLAN - TOILET BLDG., PLAN LEGEND, PLAN NOTES, SECTIONS & DETAILS

DRAWING NO. **S102**

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