

TOWN OF CHAPIN
Architectural Review Board Rescheduled Regular Meeting
Council Chambers, Chapin Town Hall
June 11, 2025
6:00 PM

AGENDA

Call to Order and Determine Quorum

Statement of Freedom of Information Act Compliance

Approval of Minutes

1. May 14, 2025 Regular Meeting Minutes

Public Comments related to agenda items

Action Items

2. Architectural Application Review
 - a. Lake Murray Pediatric Dentistry
 - i. Applicant Presentation
 - ii. Staff Comments
 - iii. ARB Discussion

Discussion Items

3. UDO Amendments

Staff Updates

Adjourn

PUBLIC COMMENT POLICY

PROCEDURE:

Persons wishing to make public comments concerning items related to the current meeting agenda, with the exception of personnel and contractual matters, shall first sign in with the Municipal Clerk before the meeting and provide the following information:

1. Name, Address, and Contact Information;
2. Topic of Public Comment; and
3. Indicate whether a Chapin Resident, Chapin Water/Sewer Customer, or Reside in the Chapin Water/Sewer District.

Comments are limited to three (3) minutes per person and no personal or verbal attacks will be entertained. The Council is interested in hearing your concerns, but speakers should not expect action or deliberation on subject matter brought up during any Public Comments on the agenda. Topics requiring further investigation may be referred to Town Staff and may be scheduled for a future agenda.

DEFINITIONS:

Chapin Resident: Reside in Town limits.

Chapin Water/Sewer Customer: Customer of the designated Chapin Water/Sewer District - Including an owner or operator of a local business.

Reside in Chapin Water/Sewer District: Reside in the designated Chapin Water/Sewer District – Area of Lexington County north of Lake Murray.

APPEARANCE OF CITIZENS

Town Code 2.212 – Any citizen of the Town shall be entitled to be placed on the agenda of any regular meeting to discuss any municipal matter, with the exception of personnel and contractual matters. Persons desiring to be placed on the agenda shall notify the Municipal Clerk not less than a week prior to the meeting. The request shall be in writing stating the reason therefor.

**TOWN OF CHAPIN
ARCHITECTURAL REVIEW BOARD
REGULAR MEETING MINUTES**

**Wednesday May 14, 2025
6:00 P.M.**

Town Hall

Members Present: Member Daniel Powell, Member Bryson Tucker, Member Gerald Meetze, Chair Jason King, Vice Chair Harmon Reed

Staff Present: Town Clerk Shannon Bowers, Planning & Zoning Manager Reid Radtke

Guests: Frank Dougherty and Tripp Bradley with Cason Development, Claire Hunter with

Call to Order: Chair King called the meeting to order at 6:01 p.m., determined there was a quorum, and acknowledged the appropriate notifications in compliance with the SC Freedom of Information Act had been met.

Approval of minutes: Member Tucker moved to approve the March 5, 2025 meeting minutes as presented. Member Powell seconded the motion. No further discussion, motion passed unanimously.

Chair Jason King:	Yes
Vice Chair Harmon Reed:	Yes
Member Gerald Meetze:	Yes
Member Daniel Powell:	Yes
Member Bryson Tucker:	Yes

Public Comments Related to Agenda Items

There were no public comments

Discuss Items

Preliminary Review: Publix Outparcel 2: Mr. Frank Dougherty and Mr. Tripp Bradley with Cason Development spoke with the Architectural Review Board (ARB) about their design for a Fifth/Third Bank. Mr. Dougherty stated that they have been working closely with staff to present a design based on the Town Code and recommendations of staff. They indicated they wanted a preliminary review to ensure they are on the right track before officially submitting.

Mr. Radtke then went over the items in question from his report, which included

- window glazing: does not meet code: requires 40%, applicant submitted glazing at 30%
- window sizes and materials need clarification
- parapet wall not permitted – applicant is requesting consideration of parapet
- confirming the height of the mechanical screening to be at least 1ft above units
- exterior elements such as downspouts, mechanical equipment, exterior ladder access etc. must be shielded or camouflaged to match building exterior

- making sure the final plan notes details of open space requirements, pedestrian access, and landscaping requirements
- submitting a traffic study and lighting plan for final submission.

The ARB then discussed the following elements that they indicated would need to be shown on final plans to meet town code or as an alternative to what was presented:

- North Elevation needs window to break up blank wall, suggested to the applicant to present several options of architectural elements for approval. Staff noted that per the UDO, spandrel glass is not approved in the Downtown area.
- Mix of sloped or pitched roof elements – does not want to see flat rooftops from ground level
- Landscaping in island and along south elevation
- Up and down lighting on building
- Site lighting to match what has already been established, and lighting plan to ensure no spillage onto surrounding properties.
- Landscaping between parcels to match what has already been established or approved on adjacent properties.

Mr. Radtke concluded the discussion with an overview of the resubmittal process, including necessary revisions and documentation, as well as planning for the next month's meeting.

Staff Updates

Before Mr. Radtke gave staff updates, Chair King suggested moving the June meeting to June 11 to accommodate for vacations and summer travel. ARB agreed that would work better. The ARB then expressed concern over several items from the code that have come up in recent and Mr. Radtke encouraged the ARB to send him their suggestions for possible code changes to be discussed at the next meeting.

Mr. Radtke then updated the ARB on upcoming projects that will be coming before the board in the coming months – several of the applicants are still working through changes, and that he continues to monitor the progress of the Ellet Rd. property at Chapin Commons.

Adjournment: Member Meetze moved to adjourn the meeting. Member Tucker seconded the motion. Meeting adjourned at 6:58 p.m.

ARB APPROVED (Date): _____

Attest:

Shannon Bowers, Town Clerk

Jason King, ARB Chair

Architectural Review

To: Architectural Review Board
From: R. Radtke, Planning & Zoning Manager
Date: May 30, 2025
Re: Lake Murray Pediatric Dentistry

Property Location: 740 Old Lexington
Tax Map Number: **000700-07-062**
Property Zoning District: Office Commercial (OC)
Property Overlay District: Craftsman
Applicant: Craig Otto
Zoning Permit: 24-11-14-001

Proposal

The applicant is proposing to add an additional structure on the property within the same footprint and clear the existing parcel to add more available parking of the property located at 740 Old Lexington Hwy. The total acreage consisting of 2 acres with land disturbance of 1.2 acres. Attached to this memo is the application submittal packet.

The new structure is planned to be approximately 5,112 sq ft. The intended materials of the exterior to be similar to the Craftsman construction and will be Brick Wainscot modular brick veneer with rowlock cap to 1'-8" above FF, with Hardie cement board / paint color (SW 7562 Roman Column). Windows / Doors, Eaves, Trim, etc. Paint color (SW 7048 Urban Bronze). Roof color -Driftwood (dark brown) asphalt shingles. New parking lot in between the existing building and new construction.

Staff Recommendation

In review of the requirements staff has identified the proposed development to be compliant with the majority of requirements of the Town's Zoning Ordinance.

1. Revised A2.1 Plan – In compliance with exterior wall pack. Left side & rear only.
 2. Cut sheet provided for W fixture (very small) (see spec sheet)?
 3. Revised C1 Plan with Open space indicated.
 4. Clarification needed with tree survey.
- The material used to be aesthetically pleasing and harmonious with the existing building. Recommendation from ARB with unique color and exterior materials to match building.

Lake Murray Pediatric Dentistry

740 Old Lexington Hwy, Chapin, South Carolina 29036



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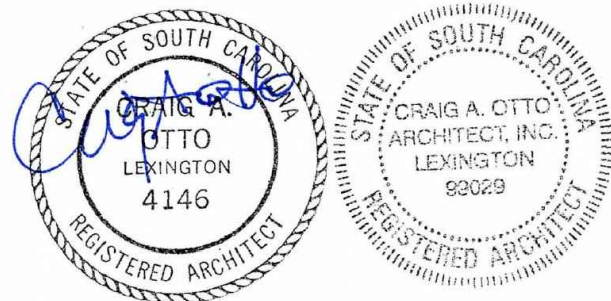
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Exterior Rendering



MAY 12, 2025

2021 International Building Code Summary

The following is a review of and synopsis of selected portions of the 2021 International Building Code which apply to this project. Although all portions that apply have not been reprinted, the Code, in its entirety, shall be considered printed here in full.

The General Contractor, subcontractors, and suppliers shall be responsible for meeting all requirements of the 2021 International Building Code, 2021 International Fire Code, 2021 International Mechanical Code, 2021 International Plumbing Code and 2021 International Fuel Gas Code, 2009 International Energy Conservation Code (or ASHRAE 90.1 Standard), 2020 National Electric Code, 2017 ICC A117.1, NFPA 10, and all other NFPA codes that apply to this project. Should a discrepancy between the codes and the drawings exist, the General Contractor shall immediately inform the Architect and request a solution. Should the General Contractor, subcontractor, or supplier proceed with the work without notifying the Architect, the General Contractor shall assume responsibility for the work and shall be required to correct the work.

Summary:

Scope of Work: New
Occupancy Group: B (Business)
Construction Type: V-B
Fire Protection Systems: None Required, Non-Sprinklered
Height: 30 feet (40 feet allowed)
Stories: 2 (2 stories allowed)
Area: 5,036 square feet first floor and 797 square feet second floor (9,000 square feet per floor allowed)
Separation Distance: Greater than 30 feet all exterior walls
Rated Assemblies: None Required
Total Occupant Load: 40

Chapter 3

1. 304.1 Business Group B. Business Group B occupancy includes, among others, the use of a building or structure, or a portion thereof, for office, professional or service type transactions, including storage of records and accounts. Business occupancies shall include, but not be limited to, the following: Professional Services.

Chapter 5

1. 504.1 General. The height, in feet, and the number of stories of a building shall be determined based on the type of construction, occupancy classification and whether there is an automatic sprinkler system installed throughout the building.

2. 504.3 Height in feet. The maximum height, in feet, of a building shall not exceed the limits specified in Table 504.3.

3. Table 504.3: Group B, Type V-B Construction, not equipped with an automatic sprinkler system: 40 feet.

4. 504.4 Number of Stories. The maximum number of stories of a building shall not exceed the limits specified in Table 504.4.

5. Table 504.4: Group B, Type V-B Construction, not equipped with an automatic sprinkler system: 2 stories maximum.

6. 506.1 General. The floor area of a building shall be determined based on the type of construction, occupancy classification, whether there is an automatic sprinkler system installed throughout the building and the amount of building frontage on public way or open space.

7. 506.2 Allowable area determination. The allowable area of a building shall be determined in accordance with the applicable provisions of Sections 506.21 through 506.2.4 and Section 506.3.

8. 506.2.1 Single occupancy, one story buildings. The allowable area of a single occupancy building with no more than one story above grade plane shall be determined in accordance with Equation 5-1: $A_u = A_t + (N_S \times I_f)$.

9. Table 506.3 Allowable Area Factor: Group B, Type V-B, not equipped with an automatic sprinkler system: 9,000 square feet allowed.

10. The building height is 30 feet (40 feet is allowed) and the number of stories is 2 (2 is allowed). The building area is 5,036 square feet at the first floor and 797 square feet at the second floor for a total of 5,833 square feet (9,000 square feet per floor allowed).

11. Therefore, the height, stories, and area all comply.

Chapter 6

1. 602.5 Type V. Type V construction is that type of construction in which the structural elements, exterior walls and interior walls are of any material permitted by this code.

2. Table 601. Using Type V-B construction, all structural elements require a 0 hour fire rating (no fire rating).

Chapter 7

1. 705.5 Fire resistance ratings. Exterior walls shall be fire resistance rated in accordance with Table 601, based on the type of construction, and Table 705.5, based on the fire separation distance. The required fire resistance rating of exterior walls with a fire separation distance of greater than 10 feet shall be rated for exposure to fire from the inside. The required fire resistance rating of exterior walls with a fire separation distance of less than or equal to 10 feet shall be rated for exposure to fire from both sides.

2. Table 705.5: Fire resistance rating requirements for exterior walls based on fire separation distance. For Group B, Type V-B construction, the following fire ratings must be provided:
Less than 5 feet - 1 hour
5 feet to less than 10 feet - 1 hour
10 feet to less than 30 feet - 0 hours
Over 30 feet - 0 hours

3. Note: All walls have a fire separation distance of greater than 30 feet.

4. 718.2 Fireblocking. In combustible construction, fireblocking shall be installed to cut off concealed draft openings (both vertical and horizontal) and shall form an effective barrier between floors, between a top story and a roof or attic space. Fireblocking shall be installed in the locations specified in Sections 718.2.2 through 718.2.7.

5. 718.2.2 Concealed wall spaces. Fireblocking shall be provided in concealed spaces of stud walls and partitions, including furred spaces, and parallel rows of studs or staggered studs, as follows: 1. Vertically at the ceiling and floor levels. 2. Horizontally at intervals not exceeding 10 feet.

6. 718.2.3 Connections between horizontal and vertical space. Fireblocking shall be provided at interconnections between concealed vertical stud wall or partition spaces and concealed horizontal spaces created by an assembly of floor joists or trusses, and between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings, cove ceilings and similar locations.

7. 718.4 Draftstopping in attics. Draftstopping shall be installed to subdivide attic spaces where required by Section 705.4.2. In other than Group R, draftstopping shall be installed to subdivide combustible attic spaces and combustible concealed roof spaces such that any horizontal area does not exceed 3,000 square feet. Ventilation of concealed roof spaces shall be maintained in accordance with Section 1202.2.1.

Chapter 8

1. Table 803.13 Interior wall and ceiling finish requirements by occupancy. Group B, Non-sprinklered: Interior exit stairways, interior exit ramps and exit passageways (not applicable); Class A: Corridors and enclosure for exit access stairways and exit access ramps (not applicable); Class B: Rooms and enclosed spaces, Class C.

Chapter 9

1. 906.1 General. Portable fire extinguishers shall be provided in the following locations: 1. In Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies. 5. Where required by the International Fire Code sections indicated in Table 906.1.

2. 906.2 General requirements. Portable fire extinguishers shall be selected and installed in accordance with this section and NFPA 10.

Chapter 10

1. Table 1004.5 Maximum floor area allowances per occupant. Business areas: 150 gross
5,036 square feet first floor / 150 square feet per person = 34 occupants.
797 square feet second floor / 150 square feet per person = 6 occupants
Total occupant load entire building = 40

2. Table 1005.3.2 Other egress components. The capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.2 inch per occupant. Therefore, 40 occupants x 0.2 inches per person equals a total egress width required is 8.0 inches. The total egress width provided throughout the entire building is 72 inches gross (67 inches net) at two (2) separate exits.

3. 1006.1 General. The number of exits or exit access doorways required within the means of egress system shall comply with the provisions of Section 1006.2 for spaces, including mezzanines, and Section 1006.3 for stories or occupied roofs.

4. 1006.2.1 Egress based on occupant load and common path of egress travel. Two exits or exit access doorways from any space shall be provided where the design occupant load or the common path of egress travel distance exceeds the values listed in Table 1006.2.1. The cumulative occupant load from adjacent rooms, areas, or spaces shall be determined in accordance with Section 1004.2.

5. Table 1006.2.1 Egress based on occupant load and common path of egress travel distance. Spaces with one exit or exit access doorway: Group B, 49 maximum occupant load of space, without a sprinkler system and an occupant load of 30 or less, the maximum common path of egress travel shall not exceed 100 feet.

6. 1006.3.3 Egress based on occupant load. Each story and occupied roof shall have the minimum number of exits, or access to exits, as specified in Table 1006.3.3. A single exit or access to a single exit shall be permitted in accordance with Section 1006.3.4.

7. Table 1006.3.3 Minimum number of exits or access to exits per story: 1 ? 500 occupants: 2 exits.

8. 1008.2 Illumination required. The means of egress serving a room or space shall be illuminated at all times that the room or space is occupied.

9. 1010.1.4 Floor elevation. There shall be a floor or landing on each side of a door. Such floor or landing shall be at the same elevation on each side of the door. Landings shall be level except at exterior landings, which are permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2 percent slope).

10. 1010.1.5 Landings at doors. Landings shall have a width not less than the width of the stairway or the door, whichever is greater. Doors in the fully open positions shall not reduce a required dimension by more than 7 inches. Where a landing serves an occupant load of 50 or more, doors in any position shall not reduce the landing to less than one-half its required width. Landings shall have a length measured in the direction of travel of not less than 44 inches.

11. 1010.1.6 Thresholds. Thresholds at doorways shall not exceed 3/4 in height above the finished floor or landing for sliding doors serving dwelling units or 1/2 inch above the finished floor of landing for other doors. Raised thresholds and floor level changes greater than 1/4 inch at doorways shall be beveled with a slope not greater than one unit vertical in two units horizontal.

12. 1010.2 Door operations. Except as specifically permitted by this section, egress doors shall be readily operable from the egress side without the use of a key or special knowledge or effort.

13. 1010.2.1 Unlatching. The unlatching of any door or leaf shall require not more than one motion in a single linear or rotational direction to release all latching and all locking devices.

14. 1010.2.2 Hardware. Door handles, pulls, latches, locks and other operating devices required to be accessible by Chapter 11 shall not require tight grasping, tight pinching or twisting of the wrist to operate.

15. 1010.2.3 Hardware height. Door handles, pulls, latches, locks and other operating devices shall be installed 34 inches minimum and 48 inches maximum above the finished floor.

16. Table 1017.2 Exit access travel distance. Group B without a sprinkler system: 200 feet.

17. 1020.1 Construction. Corridors shall be fire resistance rated in accordance with Table 1020.1. The corridor walls required to be fire resistance rated shall comply with Section 708 for fire partitions.

18. Table 1020.1 Corridor fire resistance rating. Group A, B, E, F, M, S, U: Occupant load served by the corridor: Greater than 30, without a sprinkler system: 1 Hour. Note: The occupant load served by the main corridor is 27, therefore, the corridor need not be fire resistance rated.

19. 1020.4 Dead ends. Where more than one exit or exit access doorway is required, the exit access shall be arranged such that there are no dead ends in corridors more than 20 feet in length.

20. 1028.5 Access to a public way. The exit discharge shall provide a direct and unobstructed access to a public way.

Chapter 11

1. 1103.1 Where required. Sites, buildings, structures, facilities, elements and spaces, temporary or permanent, shall be accessible to individuals with disabilities.

2. 1110.2 Toilet and bathing facilities. Each toilet room and bathing room shall be accessible. Where a floor level is not required to be connected to an accessible route, the only toilet rooms or bathing rooms provided within the facility shall not be located on an inaccessible floor. Except as provided for in Sections 1110.2.4 and 1110.2.5, at least one of each type of fixture, element, control, or dispenser in each accessible toilet room or bathing room shall be accessible. Exception 1. Toilet rooms or bathing rooms accessed only through a private office, not for common or public use and intended for use by a single occupant, shall be permitted to comply with the specific exceptions in ICC A117.1.

Chapter 12

1. 1210.1 Required fixtures. The number and type of plumbing fixtures provided in any occupancy shall comply with Chapter 29.

2. 1210.2.1 Floors and wall bases. In other than dwelling units, toilet, bathing, and shower room floor finish materials shall have a smooth, hard, nonabsorbent surface. The intersections of such floors with walls shall have a smooth, hard, nonabsorbent, vertical base that extends upward onto the walls not less than 4 inches.

3. 1209.2.2 Walls and partitions. Walls and partitions within 2 feet of service sinks, urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of 4 feet above the floor, and except for structural elements, the materials used in such walls shall be a type that is not adversely affected by moisture. Exception: This section does not apply to the following buildings and spaces: 1. Dwelling units and sleeping units, 2. Toilet rooms that are not accessible to the public and that have not more than one water closet. Accessories such as grab bars, towel bars, paper dispensers and soap dishes, provided on or within walls, shall be installed and sealed to protect the structural elements from moisture.

Chapter 18

1. 1804.4 Site grading. The ground immediately adjacent to the foundation shall be sloped away from the building at a slope of not less than one unit vertical in 20 units horizontal (5-percent slope) for a minimum distance of 10 feet (3048 mm) measured perpendicular to the face of the wall or an approved alternate method of diverting water away from the foundation shall be used. The procedure used to establish the final ground level adjacent to the foundation shall account for additional settlement of the backfill.

Chapter 29

1. 2902.1 Minimum number of fixtures. Plumbing fixtures shall be provided in the minimum number as shown in Table 2902.1 based on the actual use of the building or space.

2. Table 2902.1 Minimum number of required plumbing fixtures: For Business (Buildings used for the transaction of business, professional services, office buildings, ambulatory care and similar uses):
1 water closet per 25 for the first 50: Occupant load is 40, therefore, two (2) water closets minimum shall be provided.
1 lavatory per 40 for the first 80: Occupant load is 40, therefore, two (2) lavatories minimum shall be provided.
Drinking Fountains: 1 per 100: Occupant load is 40, therefore, one (1) drinking fountain minimum shall be provided.
1 Service Sink shall also be provided.

3. 2902.2 Separate facilities. Where plumbing fixtures are required, separate facilities shall be provided for each sex.

Plumbing Code Section 410 Drinking Fountains

1. 410.3 High and low drinking fountains. Where drinking fountains are provided on an exterior site, on a floor or within a secured area, the drinking fountains shall be provided in accordance with Section 410.3.1 and 410.3.2.

2. 410.3.1 Minimum number. Not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.

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No.	Revisions	Date

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Project Title
LAKE MURRAY PEDIATRIC DENTISTRY
740 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title
BUILDING CODE REVIEW SUMMARY

Consultant

Seal			Date MAY 12, 2025
			Drawn By OTTO
			Drawing No. G1.0

EXTERIOR FINISH LEGEND

- A BRICK VENEER (WAINSCOT):**
TAYLOR CLAY PRODUCTS INC. MODULAR "BRONZESTONE" WIRECUT WITH HOLCIM SAHARA BROWN TYPE S MORTAR AND ADJUSTABLE TYPE MASONRY ANCHORS AT 16" O.C. EACH WAY. PROVIDE SLOPED BRICK ROULOOK BILL AT TOP OF WAINSCOT WHERE INDICATED ON THE EXTERIOR ELEVATIONS
- B HORIZONTAL LAP SIDING:**
1 1/4" FIBER CEMENT BOARD HORIZONTAL LAP SIDING INSTALLED TO PROVIDE A 6" EXPOSURE. PAINT SHERWIN WILLIAMS SW 7562 ROMAN CANDLE
- C VERTICAL BOARD AND BATTEN SIDING:**
4' x 8' FIBER CEMENT BOARD PANELS WITH 1 x 3 FIBER CEMENT BOARD BATTENS AT 16" O.C. PAINT SHERWIN WILLIAMS SW 7562 ROMAN CANDLE
- D TRIM BOARDS:**
FIBER CEMENT BOARD TRIM INCLUDING 5/4 x 6 CORNER BOARDS, 5/4 x 6 DOOR AND WINDOW CASING, 5/4 x 10 AT DOOR AND WINDOW HEAD WITH DRIP CAP, 5/4 x 8 SKIRT BOARD WITH DRIP CAP, AND 5/4 x 8 WITH 1 x 4 FASCIA BOARD AND 5/4 x 6 FRIEZE BOARD. PAINT ALL SHERWIN WILLIAMS SW 7048 URBANE BRONZE
- E STOREFRONT AND WINDOWS:**
DARK BRONZE ALUMINUM THERMAL BREAK CENTER SET STOREFRONT SYSTEM WITH 1" THICK LIGHT GRAY INSULATED GLAZING. INSTALL ALL FRAMES AND ENTRANCES ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALTERNATE: PROVIDE FACTORY WINDOWS SUCH AS ANDERSON OR PELLA IN LIEU OF STOREFRONT. PROVIDE FRAME CONFIGURATION AND GRILLES AS INDICATED
- F SHINGLE ROOF:**
IKO CAMBRIDGE "DUAL BROWN" 30 YEAR MINIMUM ARCHITECTURAL ASPHALTIC SHINGLES ON UNDERLAY. PROVIDE ICE AND WATER SHIELD AT ALL VALLEYS AND OTHER AREAS AS RECOMMENDED BY THE MANUFACTURER. INSTALL SHINGLES ACCORDING TO THE PUBLISHED MANUFACTURER'S INSTALLATION INSTRUCTIONS. DO NOT USE AIR GUNS FOR SHINGLE INSTALLATION.
- G WOOD TIMBERS:**
TIMBERS AND TIMBER BRACKETS, EXTERIOR WOOD DOORS, AND EXTERIOR DUMPSTER FENCING SHALL BE PAINTED SHERWIN WILLIAMS SW 7048 URBANE BRONZE
- H EXTERIOR DOORS:**
PAINT EXTERIOR DOORS AND METAL FRAME SHERWIN WILLIAMS SW 7048 URBANE BRONZE.
- J WALL PACK LIGHTS:**
INSTALL BLACK WALL PACK LIGHTS AT 10'-0" AFF. AT LOCATIONS INDICATED ON THE EXTERIOR ELEVATIONS. SEE THE ELECTRICAL DRAWINGS (SPECIFIED FIXTURE 16 5/8" WIDE X 5.15" TALL X 2" DEEP).



Craig A. Otto
ARCHITECT, INC.

DESIGN • PLANNING • ARCHITECTURE

105 West Main Street, Suite C
Lexington, South Carolina 29072
Phone (803) 957-9004
craig@craigottoarchitect.com

No.	Revisions	Date

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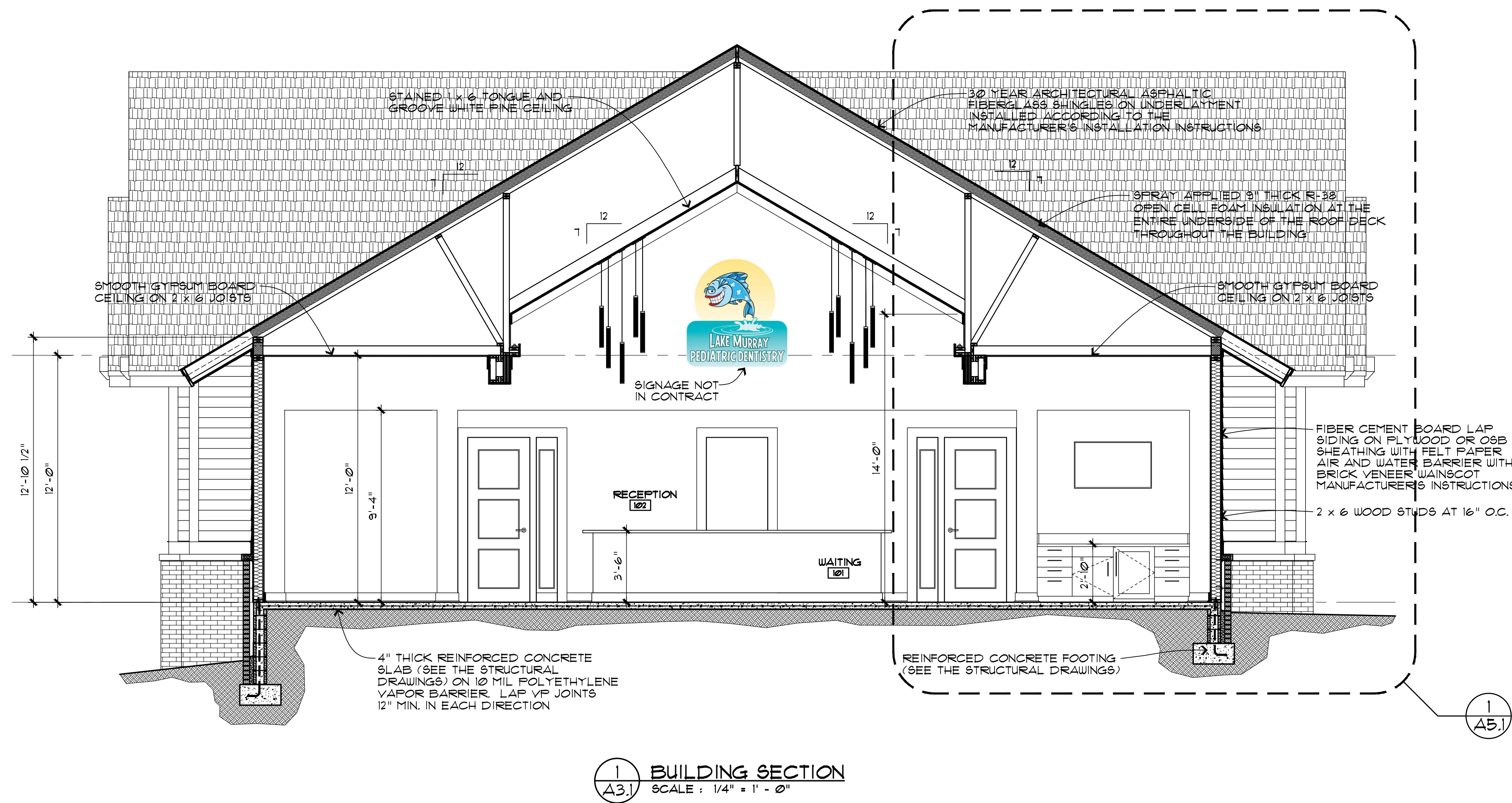
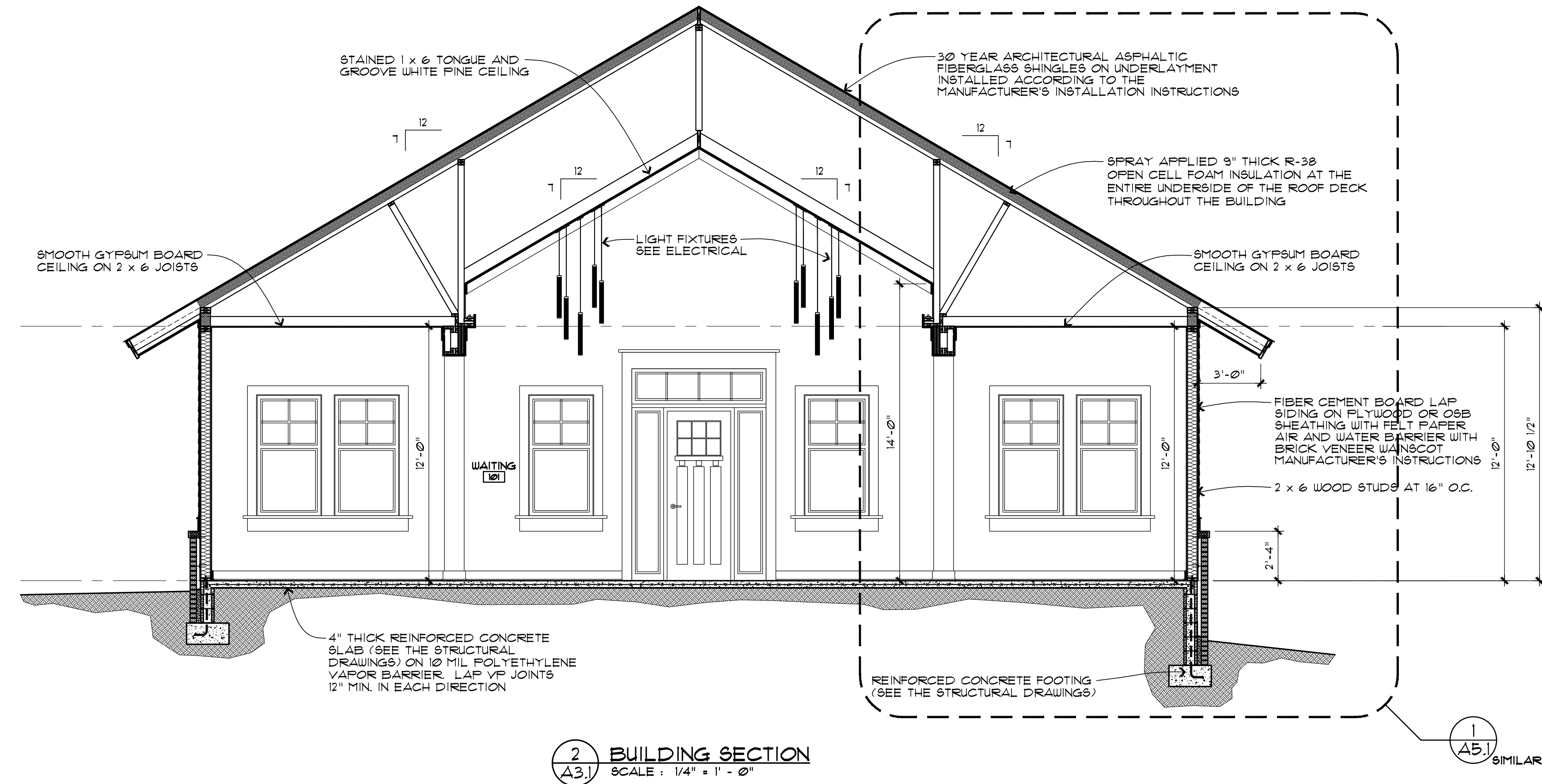
Project Title
LAKE MURRAY PEDIATRIC DENTISTRY
140 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title
EXTERIOR ELEVATIONS

Consultant

Seal	Date MAY 12, 2025
	Drawn By OTTO
	Drawing No. A2.1

..\\Users\\Craig Otto\\Desktop\\DtttoSeals.JPG



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craig@craigottoarchitect.com

No.	Revisions	Date

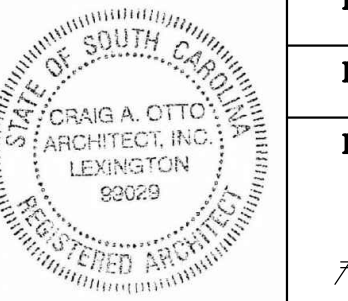
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Project Title **LAKE MURRAY PEDIATRIC DENTISTRY**
740 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title
BUILDING SECTIONS

Consultant

Seal

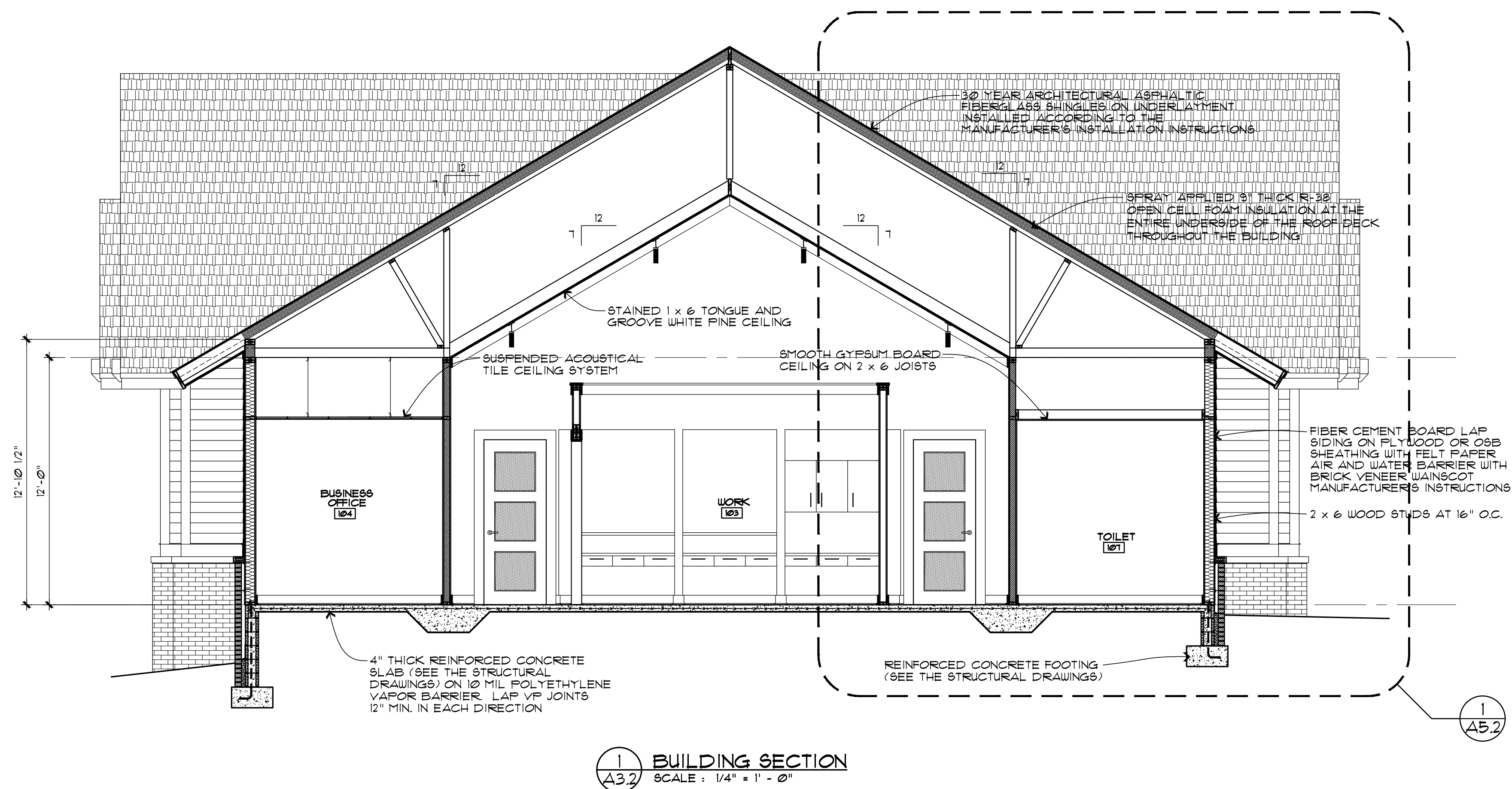
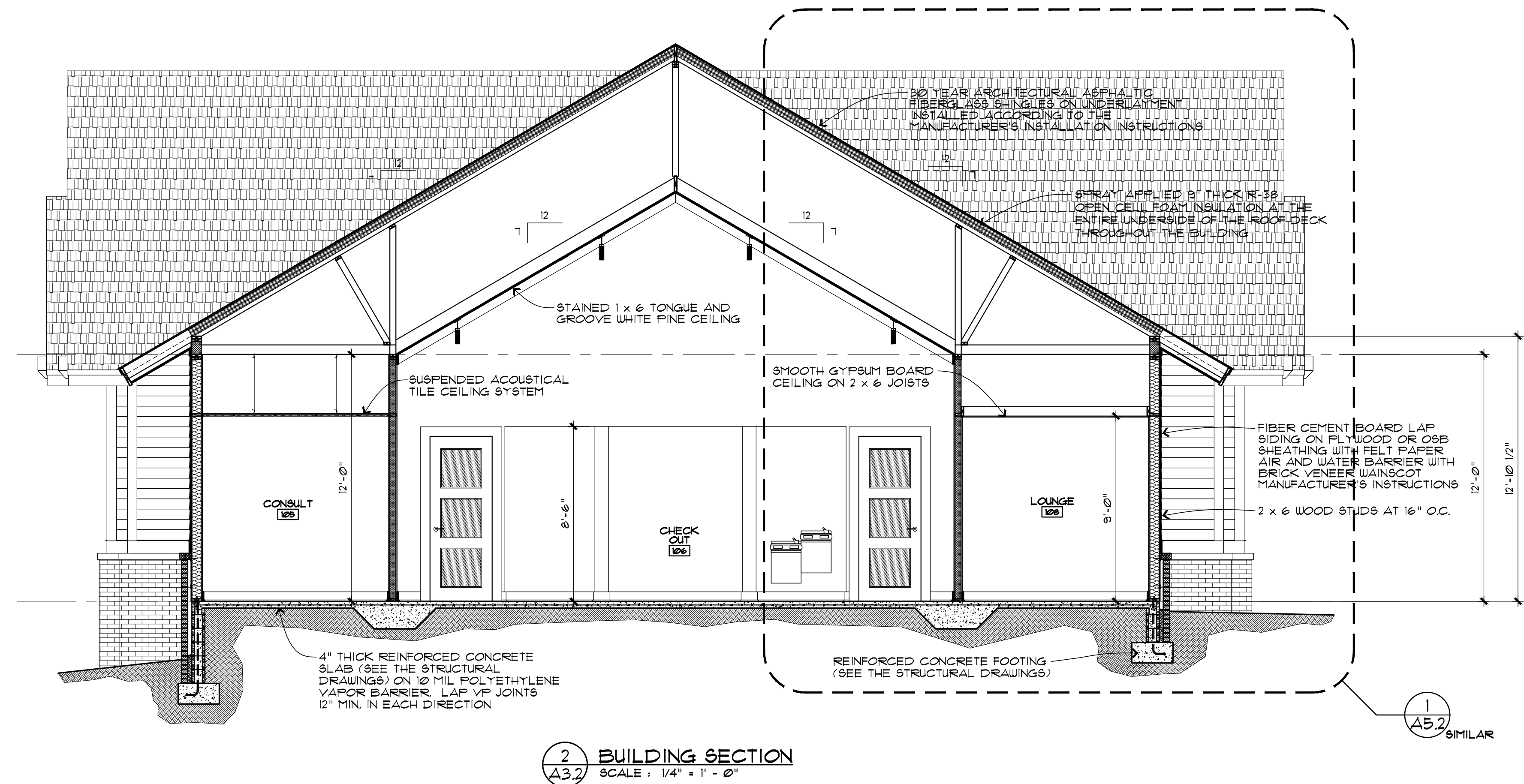


Date
MAY 12, 2025

Drawn By
OTTO

Drawing No.

A3.1



Craig A. Otto ARCHITECT, INC.

DESIGN • PLANNING • ARCHITECTURE

105 West Main Street, Suite C
Lexington, South Carolina 29072
Phone (803) 957-9004
craig@craigottoarchitect.com

No.	Revisions	Date

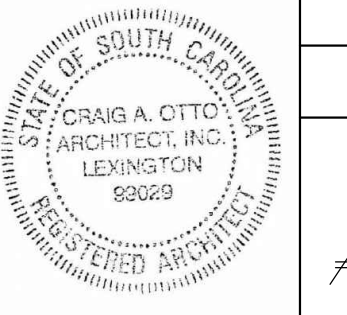
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Project Title
LAKE MURRAY PEDIATRIC DENTISTRY
740 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title
BUILDING SECTIONS

Consultant

Seal

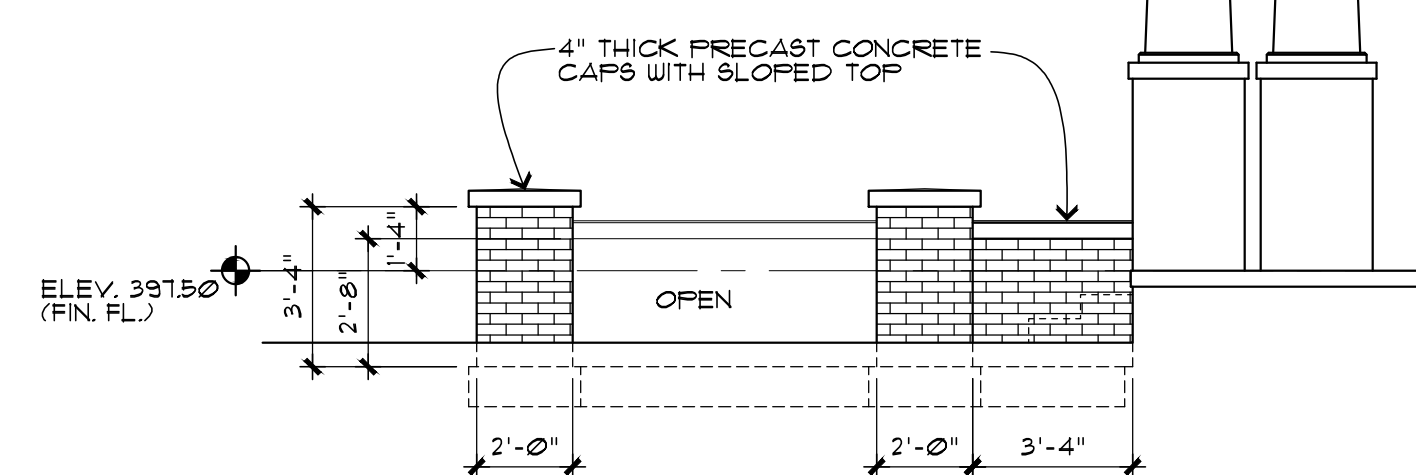
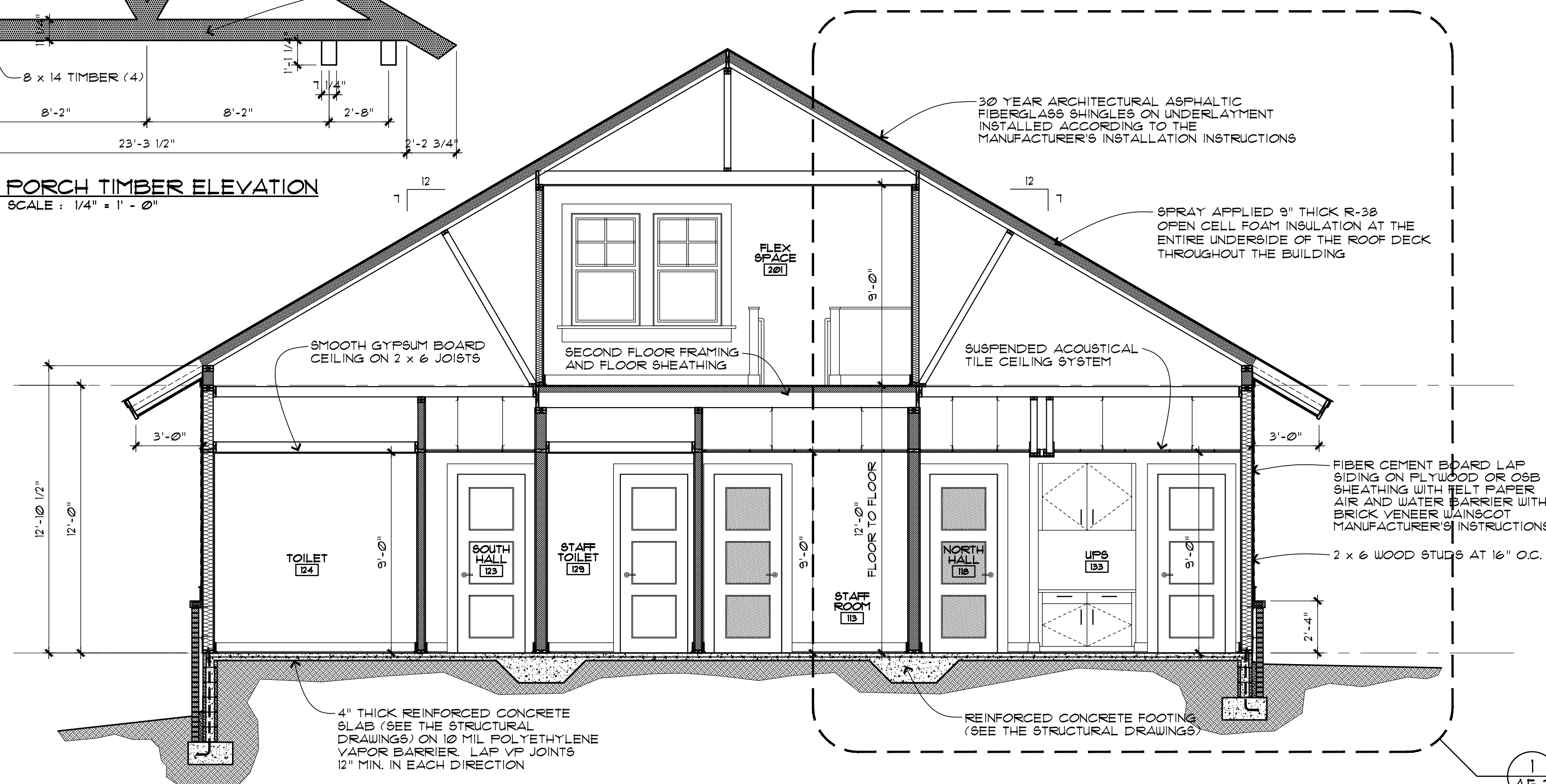
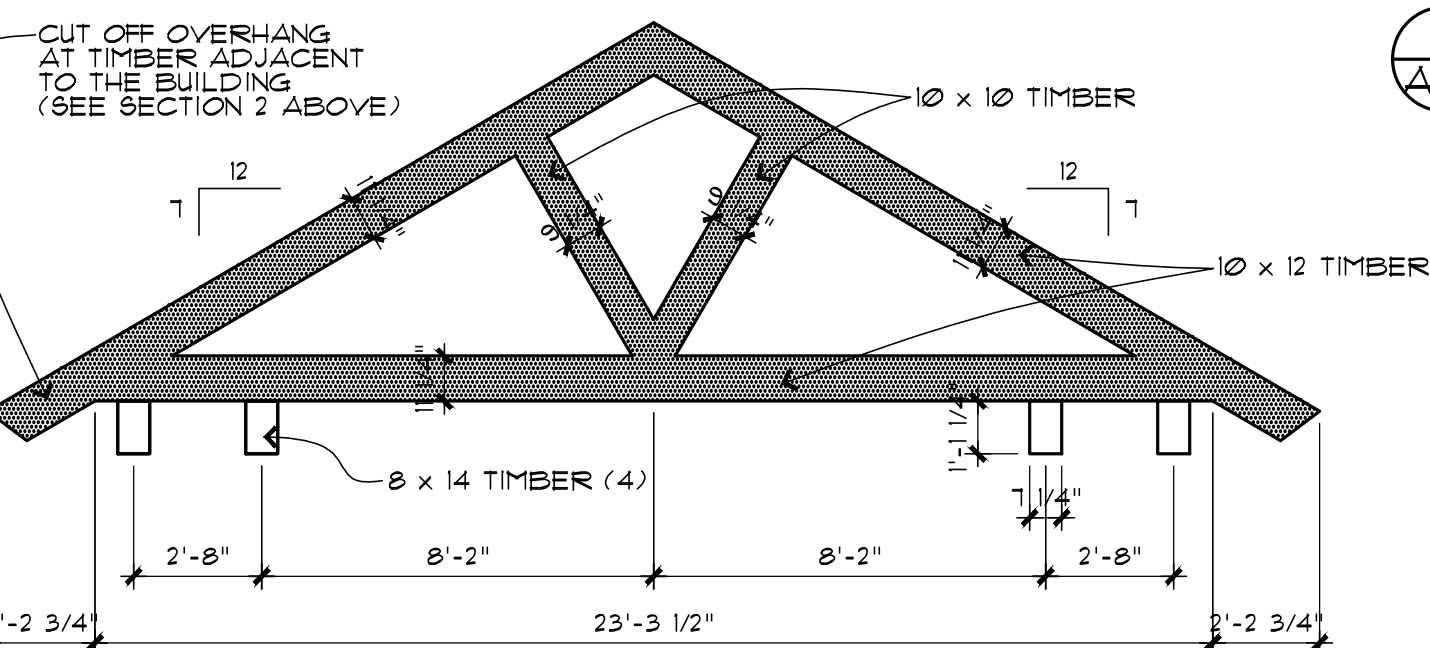
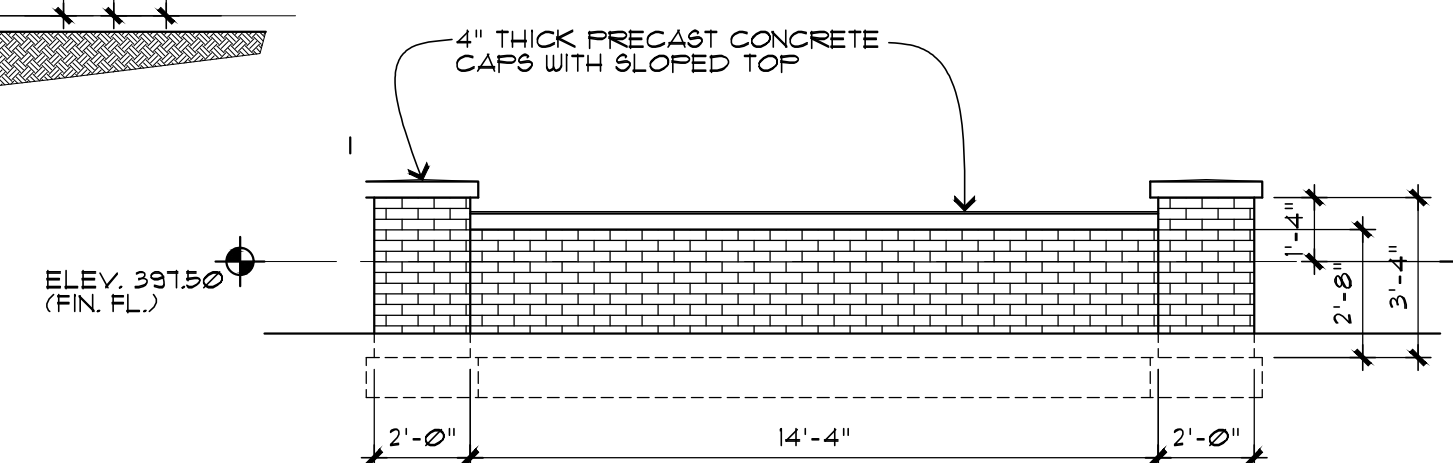
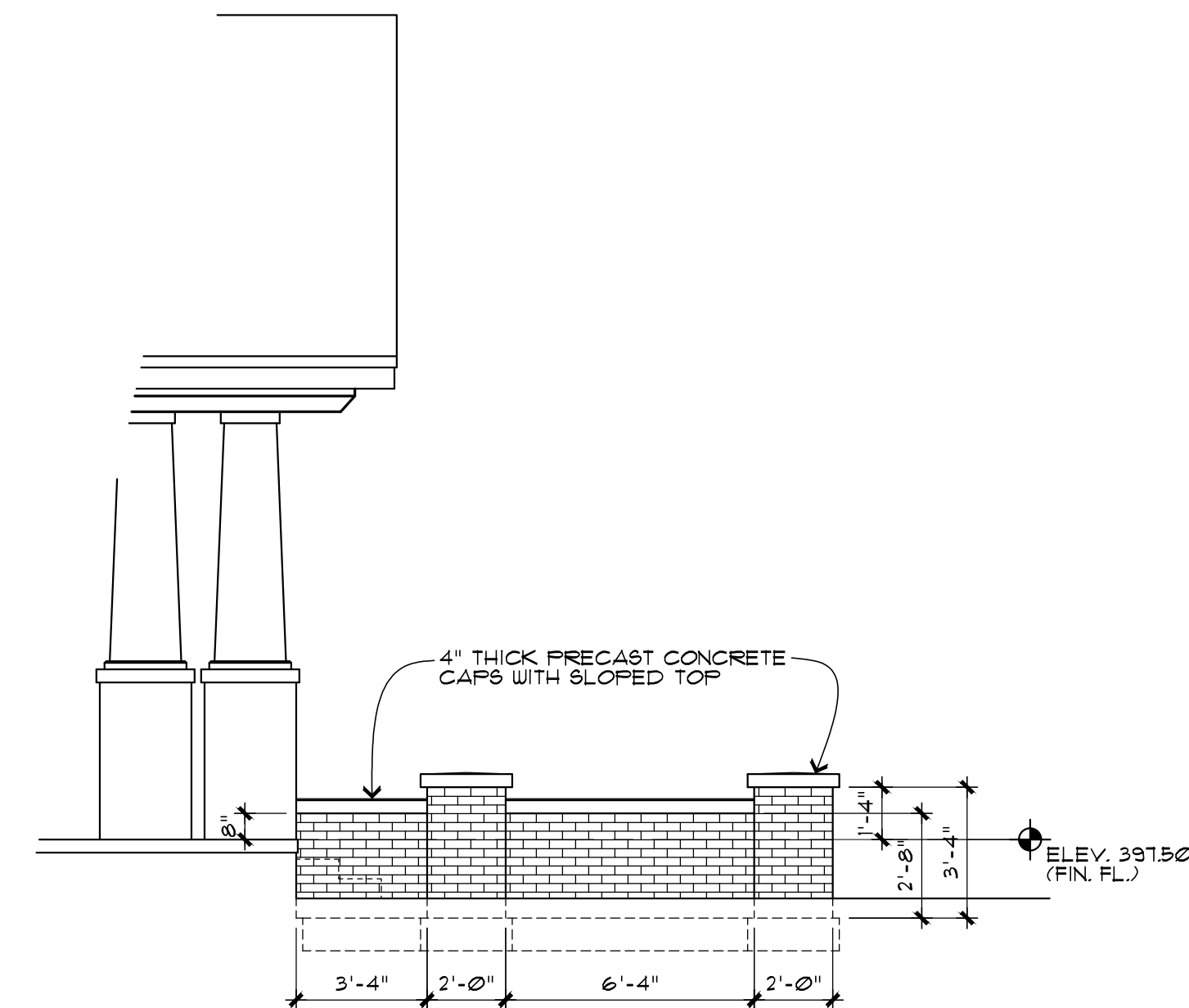
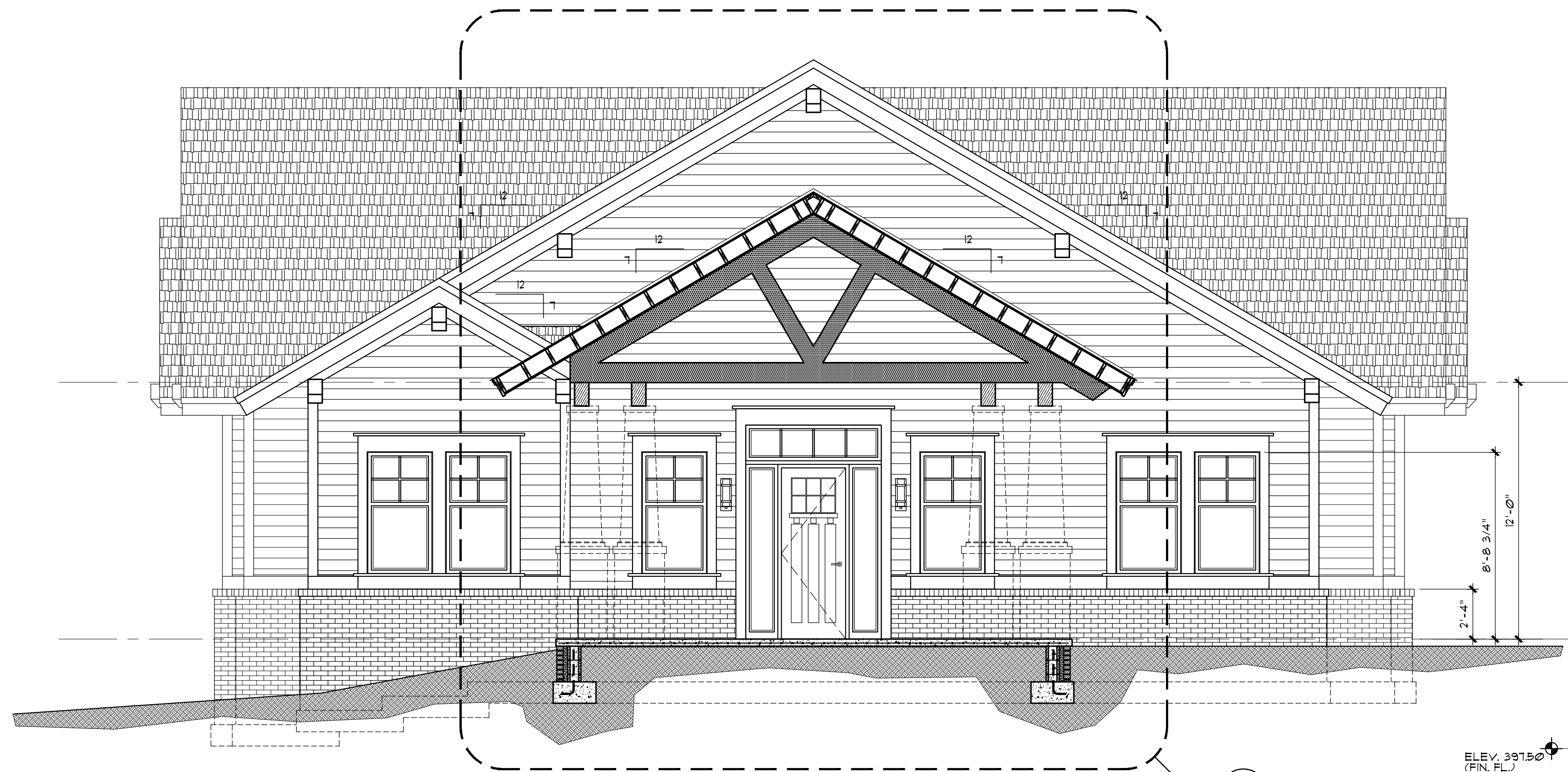


Date
MAY 12, 2025

Drawn By
OTTO

Drawing No.

A3.2



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No.	Revisions	Date

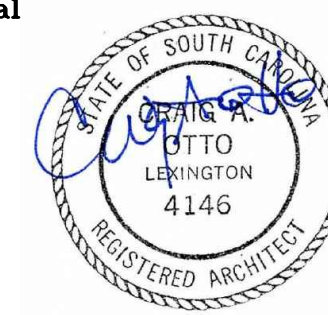
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Project Title **LAKE MURRAY PEDIATRIC DENTISTRY**
740 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title **BUILDING SECTIONS**

Consultant

Seal



Date

MAY 12, 2025

Drawn By

OTTO

Drawing No.

A3.3

LAKE MURRAY PEDIATRIC DENTISTRY

OLD LEXINGTON HWY

TOWN OF CHAPIN, SOUTH CAROLINA

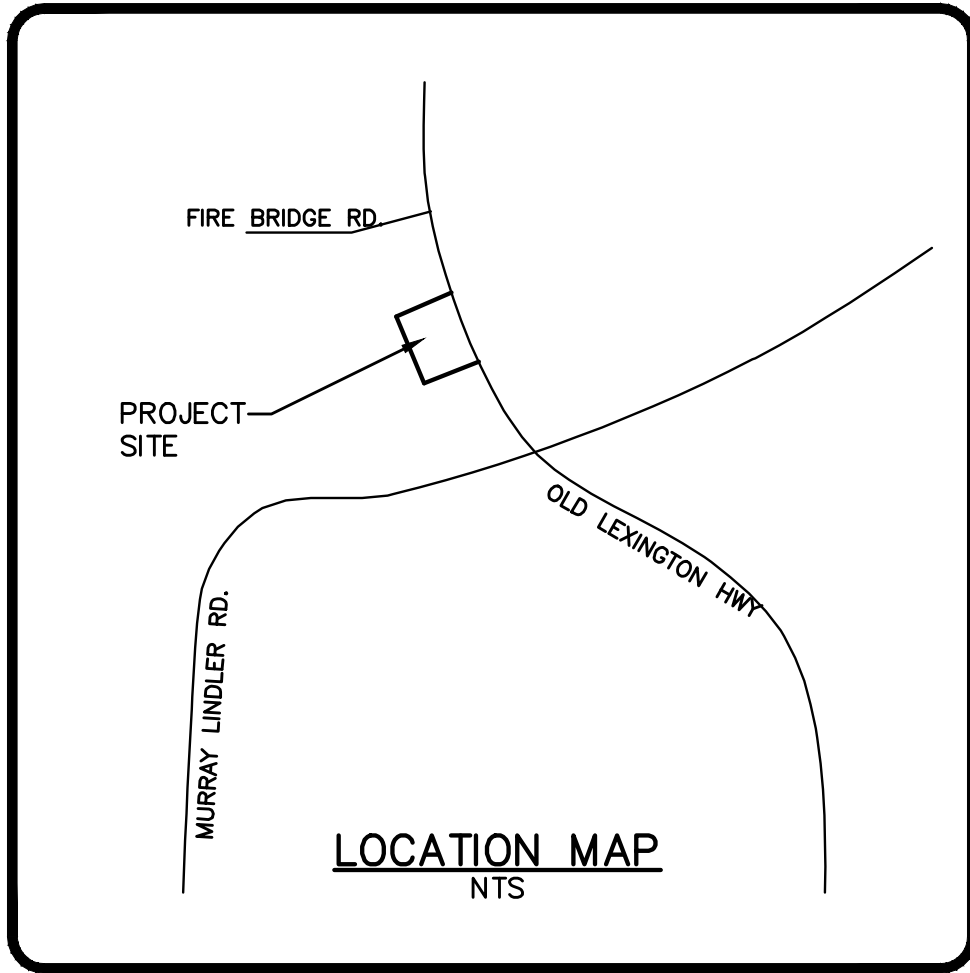
PREPARED BY

HB Engineering

SITE DEVELOPMENT CONSULTANTS

720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027

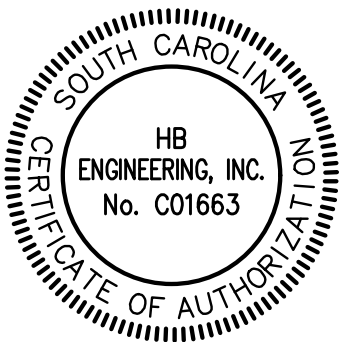
APRIL 9, 2025
REVISED: MAY 12, 2025



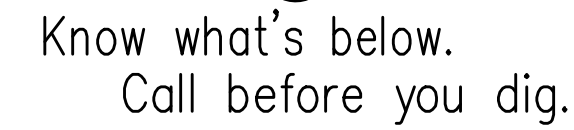
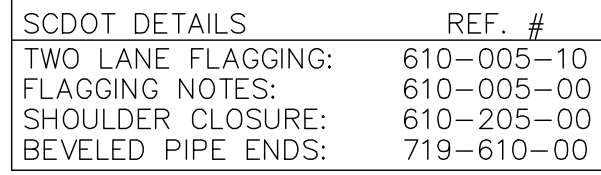
DRAWING INDEX	
SITE PLAN	C1
EROSION CONTROL NOTES & DETAILS	C2
EXISTING CONDITIONS & DEMO PLAN	C3
GRADING, DRAINAGE, AND EROSION CONTROL PLAN	C4
SITE DETAILS	C5
DETENTION POND DETAILS	C6
DRAINAGE PROFILES & DETAILS	C7
WATER SERVICE PLAN	C8
SEWER SERVICE PLAN	C9
SEWER DETAILS	C10
LANDSCAPE PLAN	L1

OWNER:	CHAPIN TRADING COMPANY, LLC 740 OLD LEXINGTON HIGHWAY CHAPIN, SC 29036 803-345-2483 DR. RALPH WARNOCK drwarnock@bellsouth.net
TMS#:	000700-07-062
ZONING:	OFFICE COMMERCIAL
TOTAL AREA:	2.0 AC.
DISTURBED AREA:	1.3 AC.
PROPOSED USE:	DENTAL OFFICE
BUILDING SIZE:	5,112 SF
PARKING PROVIDED:	25 SPACES
ENGINEER:	HB ENGINEERING, INC. 720 OLD CHEROKEE ROAD LEXINGTON, SC 29072 803-957-7027 EXT 302 CONTACT: MIKE RAY EMAIL: mikerayhb@gmail.com

WATER PROVIDER:	SEWER PROVIDER:
CITY OF COLUMBIA	TOWN OF CHAPIN
1136 WASHINGTON STREET	157 NW COLUMBIA AVE.
COLUMBIA, SC 29201	CHAPIN, SC 29036
803-545-3400	803-345-0416



Applicant's Certification	
"I (We) hereby certify that all clearing, grading, construction, and/or development will be done pursuant to this plan and I (we) are responsible for the land disturbance and related maintenance thereof. Lexington County authorities will be allowed to enter the project site for the purpose of on-site inspections."	
4-10-25 Date	Ralph D. Warnock Owner/Person Financially Responsible
Designer's Certification	
"I hereby certify that this plan is designed to contain soil on the property concerned to the maximum extent, to provide for the protection of the property and the proposed improvements thereon from the effects of flooding, to provide for the control of the runoff from the property, and that all the provisions for sediment control and storm drainage are in accordance with the Stormwater Management and Sediment Control Ordinance for Lexington County, South Carolina."	
4/10/25 Date	Signature 23546 S.C. Registration Number (Professional Engineer)

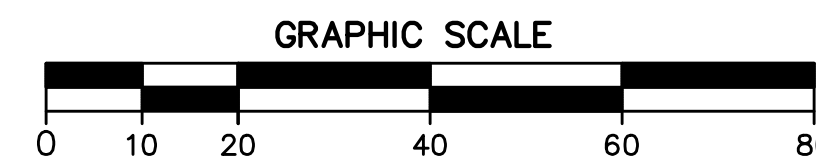
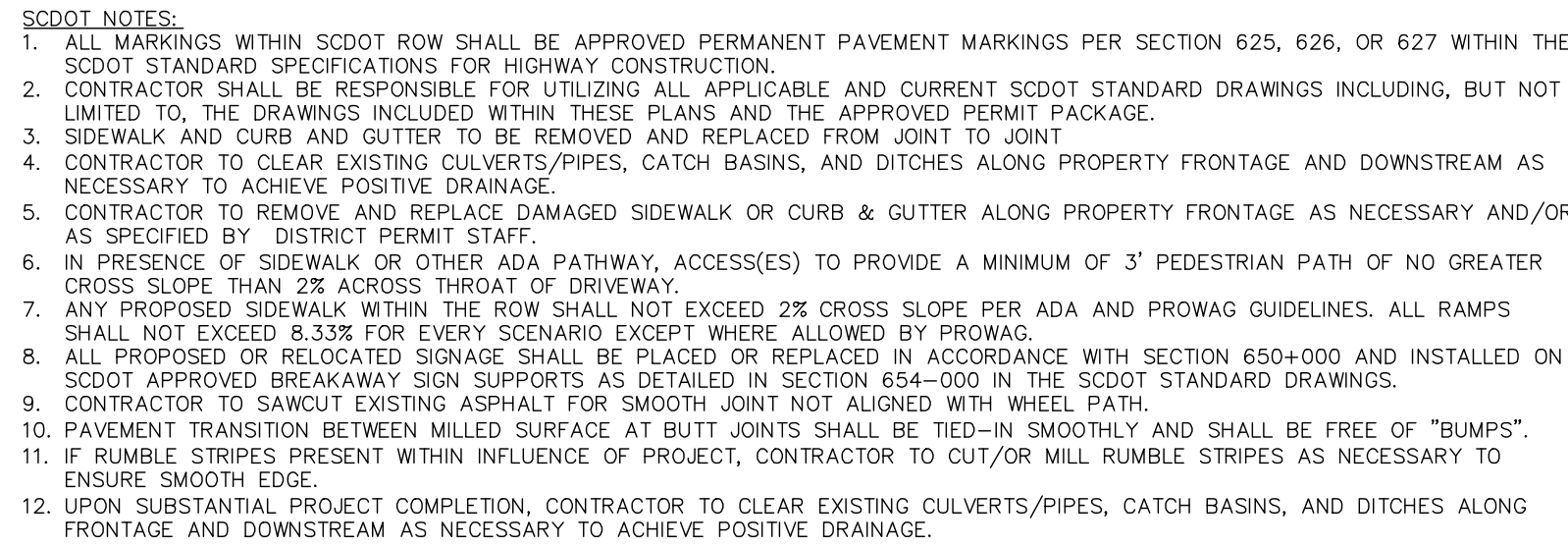


PAVEMENT LEGEND

ASPHALT PAVEMENT (DOT R/W)	
MEDIUM DUTY ASPHALT PAVEMENT	
LIGHT DUTY ASPHALT PAVEMENT	
CONCRETE PAVEMENT	

OWNER:	CHAFIN TRADING COMPANY, LLC 740 OLD LEXINGTON HIGHWAY CHAFIN, SC 29036 803-345-2483 DR. RALPH WARNOCK drwarnock@bellsouth.net
TMS#:	000700-07-062
ZONING:	OFFICE COMMERCIAL
TOTAL AREA:	2.0 AC.
DISTURBED AREA:	1.3 AC.
PROPOSED USE:	DENTAL OFFICE
BUILDING SIZE:	5,112 SF
PARKING PROVIDED:	25 SPACES
ENGINEER:	HB ENGINEERING, INC. 720 OLD CHEROKEE ROAD LEXINGTON, SC 29072 803-957-7027 EXT 302 CONTACT: MIKE RAY EMAIL: mikerayhb@gmail.com

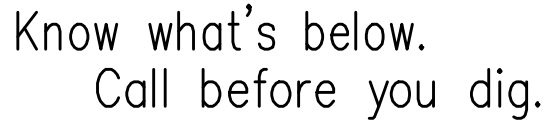
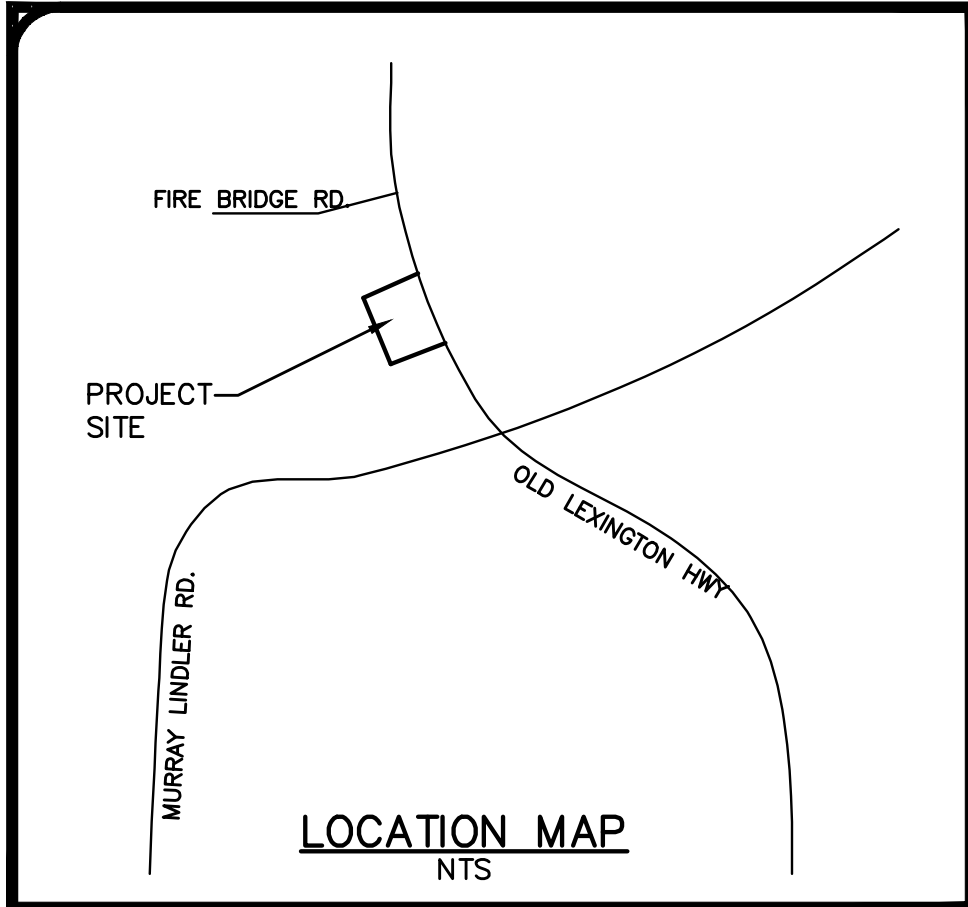
WATER PROVIDER: CITY OF COLUMBIA 1136 WASHINGTON STREET COLUMBIA, SC 29201 803-545-3400	SEWER PROVIDER: TOWN OF CHAPIN 157 NW COLUMBIA AVE. CHAPIN, SC 29036 803-345-0416
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LAKE MURRAY PEDIATRIC DENTISTRY
OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

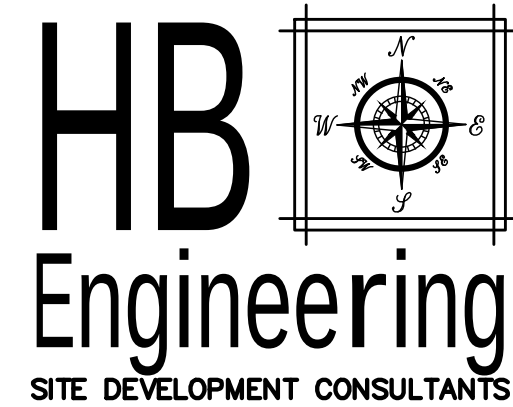
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Drawn by:	MR	Sheet	C1
Designed by:	MR		
Checked by:	MR		
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Project No.	23159	or 10	
Date:	4.09.2025	Drawing No.	



OWNER:	CHAPIN TRADING COMPANY, LLC 740 OLD LEXINGTON HIGHWAY CHAPIN, SC 29036 803-345-2483 DR. RALPH WARNOCK drwarnock@bellsouth.net
TMS#:	000700-07-062
ZONING:	OFFICE COMMERCIAL
TOTAL AREA:	2.0 AC.
DISTURBED AREA:	1.3 AC.
PROPOSED USE:	DENTAL OFFICE
BUILDING SIZE:	5,112 SF
PARKING PROVIDED:	25 SPACES
ENGINEER:	HB ENGINEERING, INC. 720 OLD CHEROKEE ROAD LEXINGTON, SC 29072 803-957-7027 EXT 302 CONTACT: MIKE RAY EMAIL: mikerayhb@gmail.com

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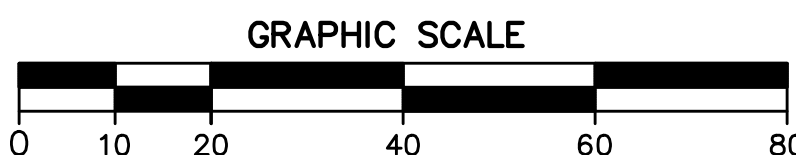
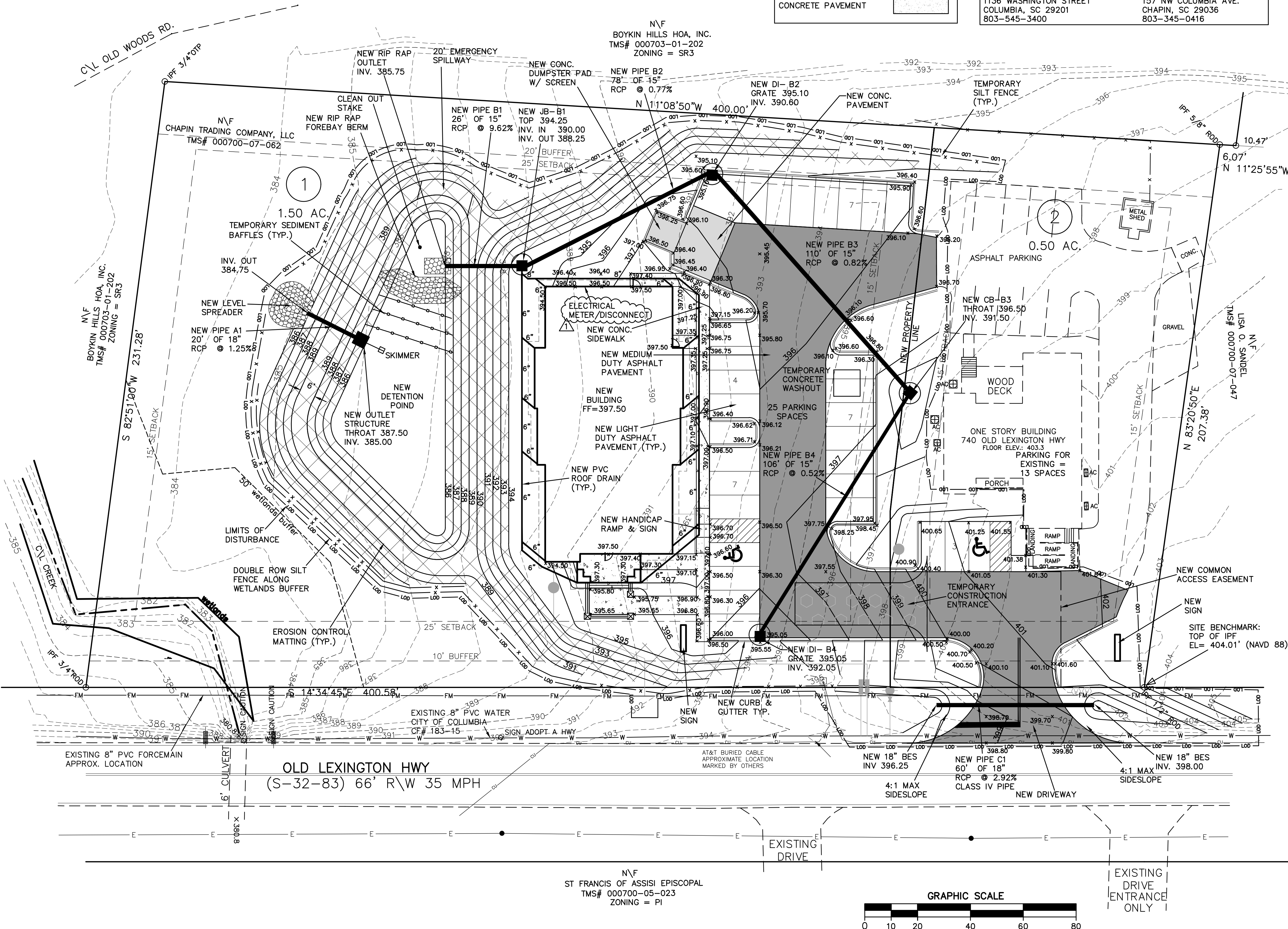
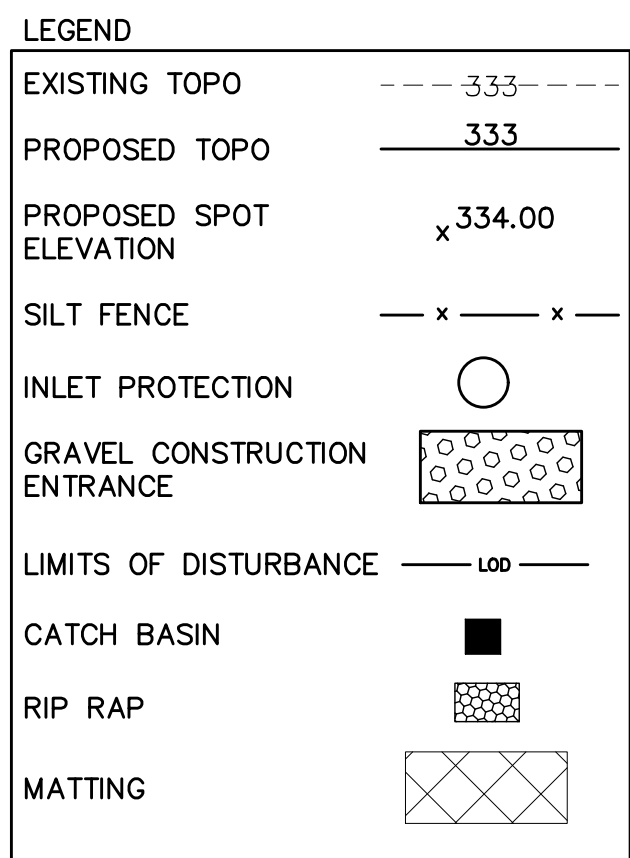
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

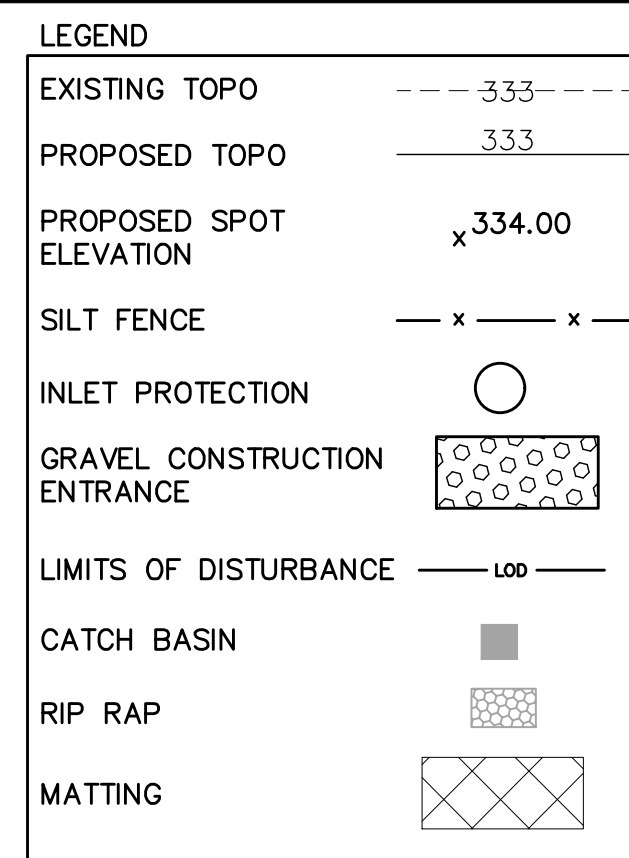
JURRAY PEDIATRIC DENTISTRY
OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

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Sheet Title:
**GRADING, DRAINAGE &
EROSION CONTROL
PLAN**

Drawn by:	MR	Sheet C4
Designed by:	MR	
Checked by:	MR	
Scale:	1"=20'	
Project No.	23159	
Date:	4.09.2025	or 10 Drawing No.

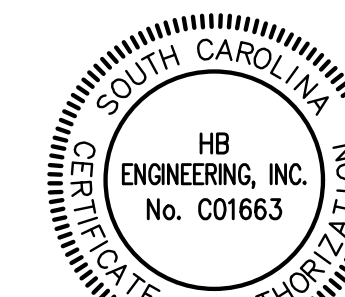




Know what's below.
Call before you dig.

OWNER:	CHAPIN TRADING COMPANY, LLC 740 OLD LEXINGTON HIGHWAY CHAPIN, SC 29036 803-345-2483 DR. RALPH WARNOCK drwarnock@bellsouth.net
TMS#:	000700-07-062
ZONING:	OFFICE COMMERCIAL
TOTAL AREA:	2.0 AC.
DISTURBED AREA:	1.3 AC.
PROPOSED USE:	DENTAL OFFICE
BUILDING SIZE:	5,112 SF
PARKING PROVIDED:	25 SPACES
ENGINEER:	HB ENGINEERING, INC. 720 OLD CHEROKEE ROAD LEXINGTON, SC 29072 803-957-7027 EXT 302 CONTACT: MIKE RAY EMAIL: mikerayhb@gmail.com

WATER PROVIDER: CITY OF COLUMBIA 1136 WASHINGTON STREET COLUMBIA, SC 29201 803-545-3400	SEWER PROVIDER: TOWN OF CHAPIN 157 NW COLUMBIA AVE. CHAPIN, SC 29036 803-345-0416
---	---



HB Engineering

SITE DEVELOPMENT CONSULTANTS

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LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

LAKE MURRAY PEDIATRIC DENTISTRY
OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

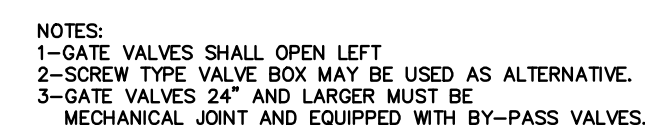
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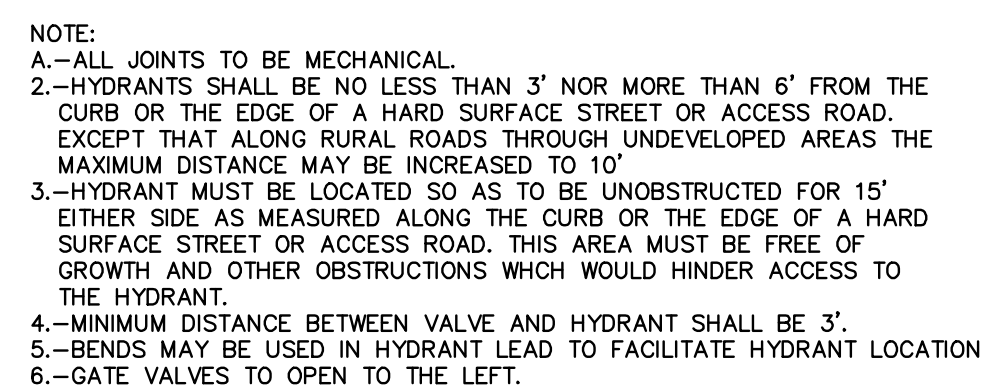
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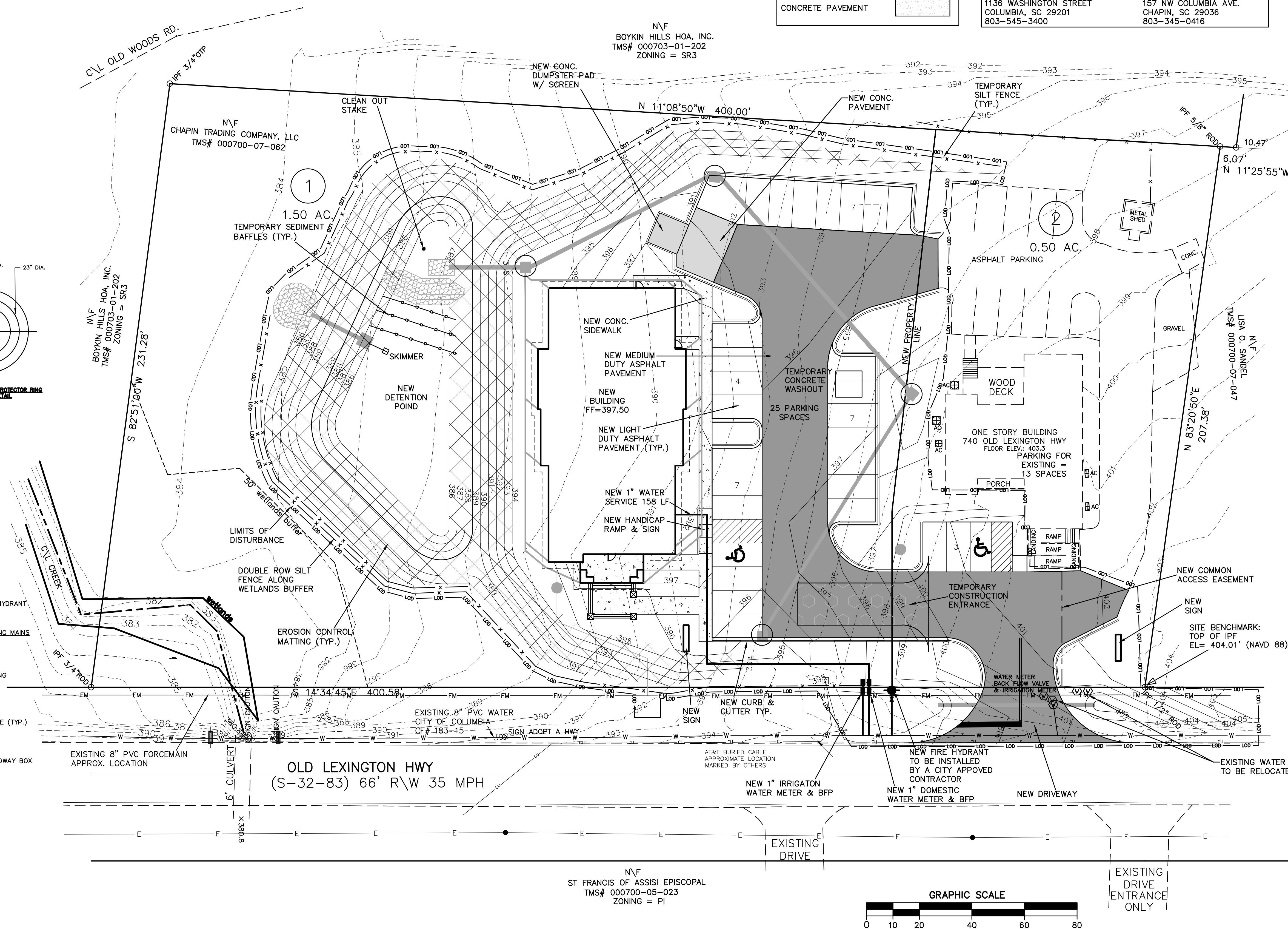
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Project No.	23159	
Date:	4.09.2025	Drawing No.

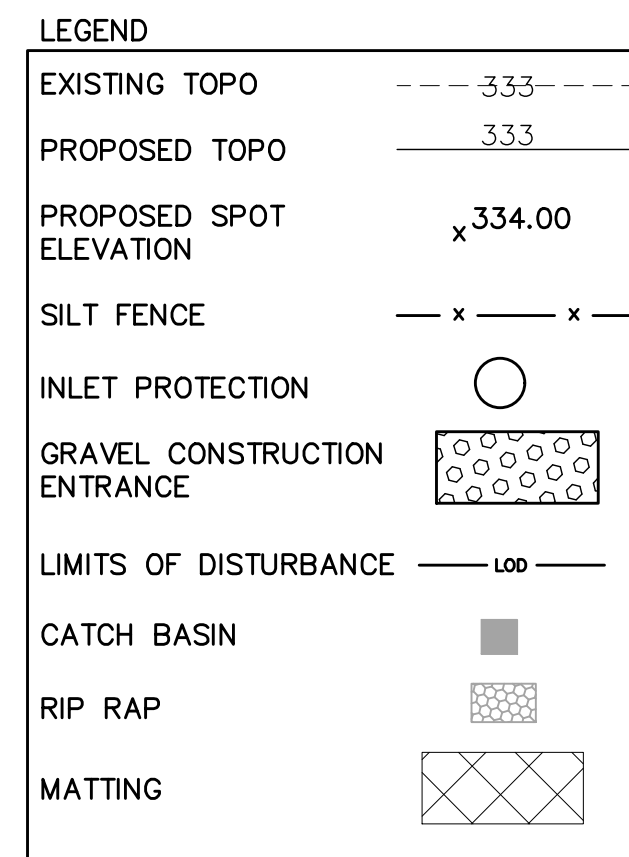


VALVE BOX PROTECTOR RING DETAIL
GATE VALVE BOX DETAIL
(NOT TO SCALE)



STANDARD HYDRANT
NOT TO SCALE





NOTE:
ALL SEWER MATERIALS & INSTALLATION MUST
BE DONE IN ACCORDANCE WITH
TOWN OF CHAPIN STANDARDS AND
SPECIFICATIONS



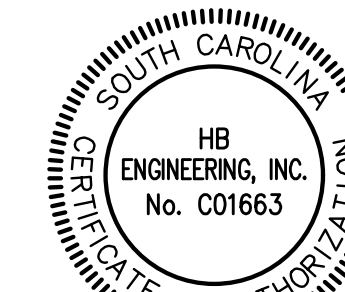
Know what's below.
Call before you dig.

PAVEMENT LEGEND

ASPHALT PAVEMENT (DOT R/W)	
MEDIUM DUTY ASPHALT PAVEMENT	
LIGHT DUTY ASPHALT PAVEMENT	
CONCRETE PAVEMENT	

OWNER:	CHAPIN TRADING COMPANY, LLC 740 OLD LEXINGTON HIGHWAY CHAPIN, SC 29036 803-345-2483 DR. RALPH WARNOCK drwarnock@bellsouth.net
TMS#:	000700-07-062
ZONING:	OFFICE COMMERCIAL
TOTAL AREA:	2.0 AC.
DISTURBED AREA:	1.3 AC.
PROPOSED USE:	DENTAL OFFICE
BUILDING SIZE:	5,112 SF
PARKING PROVIDED:	25 SPACES
ENGINEER:	HB ENGINEERING, INC. 720 OLD CHEROKEE ROAD LEXINGTON, SC 29072 803-957-7027 EXT 302 CONTACT: MIKE RAY EMAIL: mikeraynb@gmail.com

WATER PROVIDER: CITY OF COLUMBIA 1136 WASHINGTON STREET COLUMBIA, SC 29201 803-545-3400	SEWER PROVIDER: TOWN OF CHAPIN 157 NW COLUMBIA AVE. CHAPIN, SC 29036 803-345-0416
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Engineering
SITE DEVELOPMENT CONSULTANTS

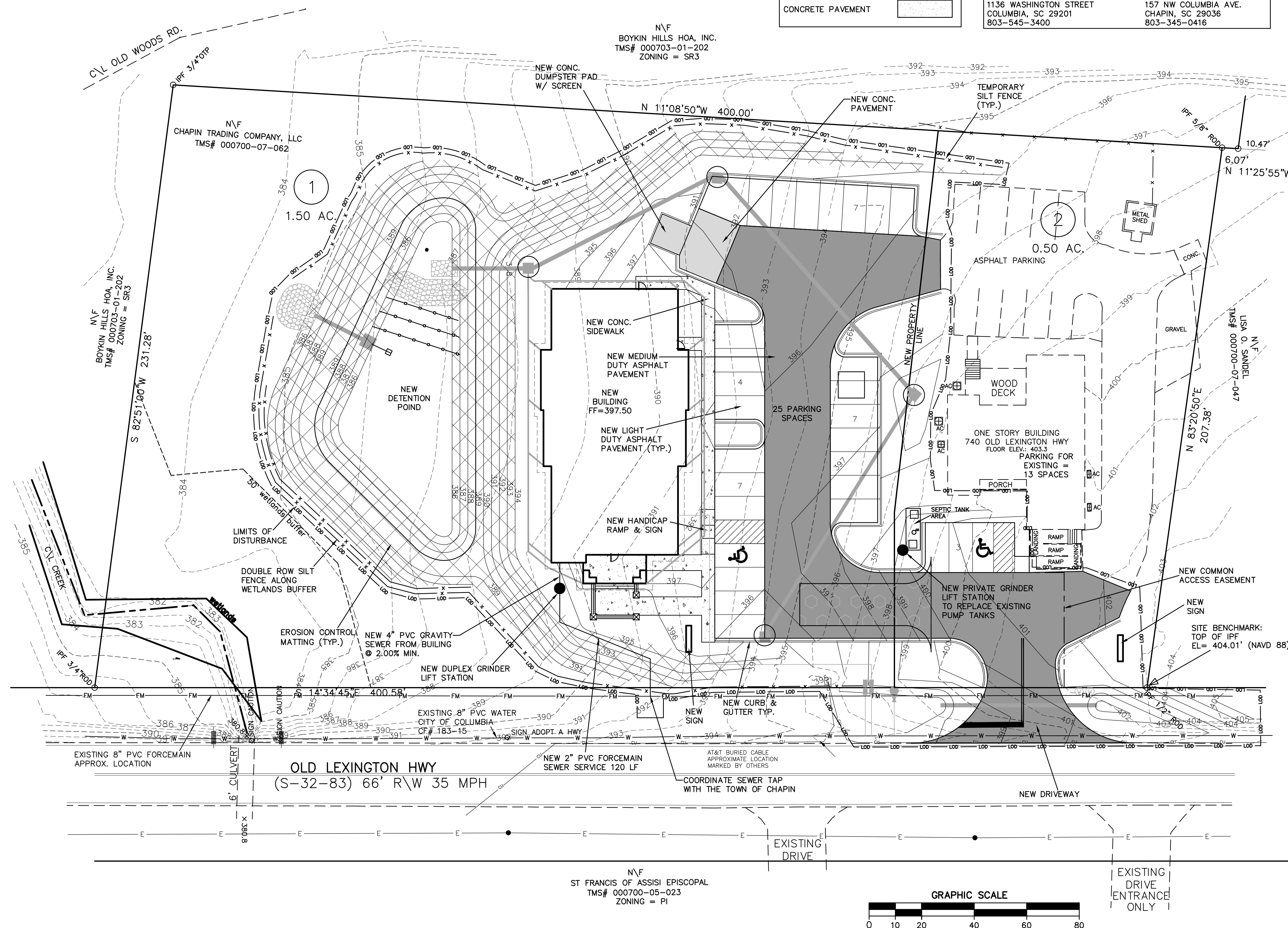
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027. FAX. 877-728-0808

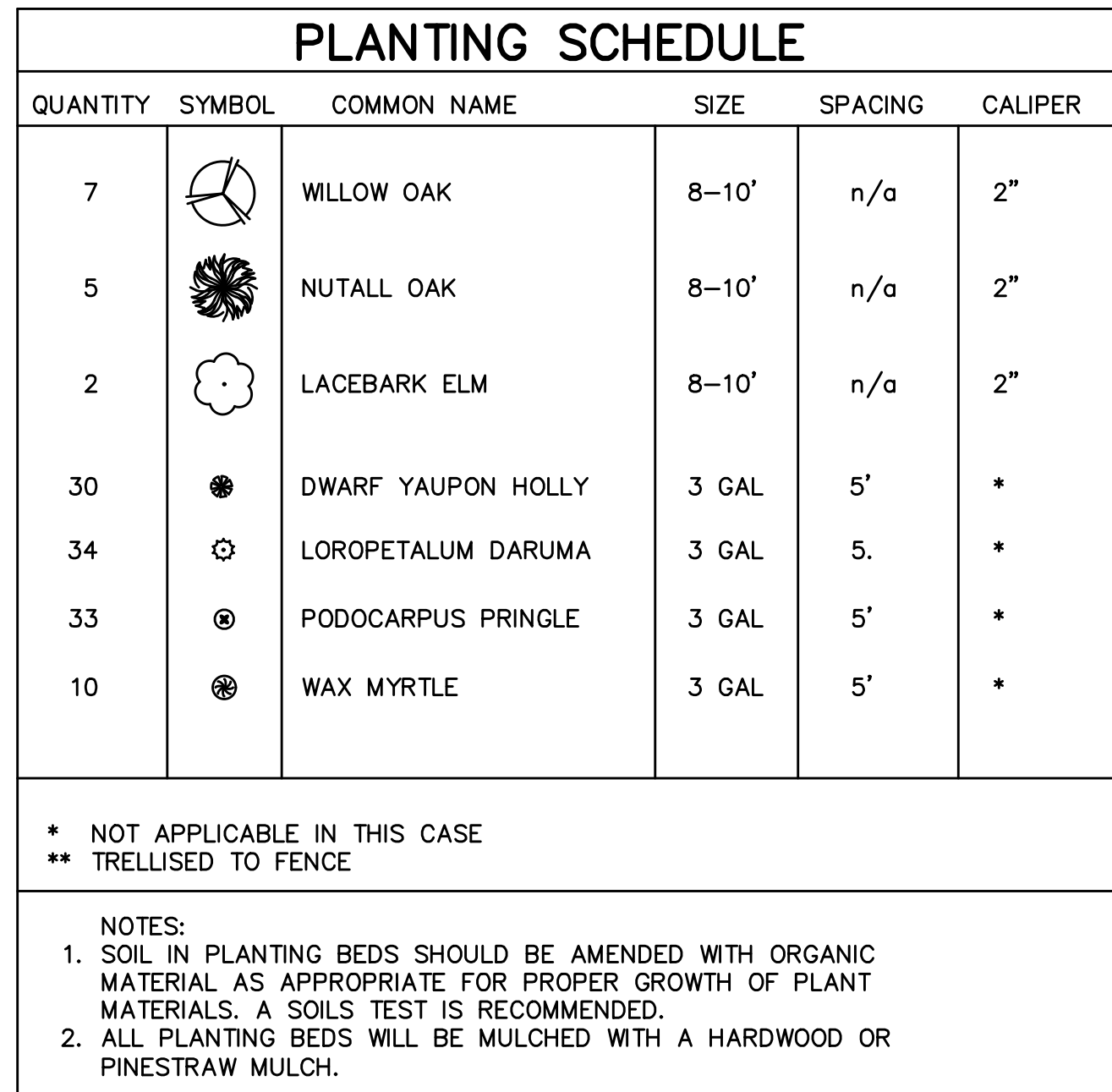
LAKE MURRAY PEDIATRIC DENTISTRY
OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

[illegible]

Sheet Title:
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PLAN**

Drawn by:	MR	Sheet
Designed by:	MR	C9
Checked by:	MR	
Scale:	1"=20'	10
Project No.	23159	
Date:	4.09.2025	Drawing No.





WATER PROVIDER: CITY OF COLUMBIA 1136 WASHINGTON STREET COLUMBIA, SC 29201 803-545-3400	SEWER PROVIDER: TOWN OF CHAPIN 157 NW COLUMBIA AVE. CHAPIN, SC 29036 803-345-0416
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LAKE MURRAY PEDIATRIC DENTISTRY
OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

[illegible]

Sheet Title:		Sheet:			
LANDSCAPE PLAN					
				Drawn by: MR	
				Designed by: MR	
				Checked by: MR	
Scale: 1" = 20'		or 1			
Project No. 23159		Drawing No.			
Date: 4.09.2025					

GENERAL "ELECTRICAL" NOTES	
1	BRANCH CIRCUIT WIRING SHALL BE NO. 12 AWG UNLESS NOTED OTHERWISE. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT. EXCEPTION: FINAL CONNECTION TO DEVICES, IN OUTLET BOXES, IS NOT REQUIRED TO BE LARGER THAN NO. 12 AWG.
2	20A/120V BRANCH CIRCUITS EXCEEDING 100' IN LENGTH FROM PANEL TO FARTHEST DEVICE OR FIXTURE SHALL USE NO. 10 CONDUCTORS AND 3/4" C.
3	PRIOR TO ROUGH-IN, COORDINATE THE LOCATION AND MOUNTING HEIGHT OF ALL WALL AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL ELEVATIONS, MILLWORK SHOP DRAWINGS, AND EXISTING CONDITIONS. IN THE EVENT OF A CONFLICT, NOTIFY THE ARCHITECT. MINOR ADJUSTMENTS IN DEVICE LOCATION, I.E. 5'-0" IN ANY DIRECTION SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER.
4	COORDINATE THE LOCATION OF ALL FLOOR-MOUNTED OUTLETS WITH THE ARCHITECT AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
5	OUTLET BOXES FOR SWITCHES, RECEPTACLES, ETC. MOUNTED ON OPPOSITE SIDES OF FIRE RATED PARTITIONS SHALL NOT BE MOUNTED IN THE SAME WALL CAVITY. SEPARATE WALL PENETRATIONS BY MOUNTING ON OPPOSITE SIDES OF WALL STUDS OR OTHER VERTICAL STRUCTURAL MEMBER IN THE WALL.
6	ALL FLOOR BOXES SHALL BE INSTALLED TO MAINTAIN THE FIRE RATING OF THE FLOOR. COORDINATE CORE DRILLING HOLES IN FLOOR WITH STRUCTURAL ENGINEER.
7	RACEWAYS SHALL BE INSTALLED CONCEALED IN NEW WALL CONSTRUCTION ABOVE CEILINGS, BELOW FLOOR, AND IN OTHER CAVITIES TO THE GREATEST EXTENT POSSIBLE. WHERE EXPOSED RACEWAYS MUST BE USED, LAYOUT RACEWAYS TO MINIMIZE THE NUMBER OF VERTICAL RUNS.
8	FEEDER CONDUITS AND BRANCH CIRCUIT ROUTING SHALL COMPLY WITH DETAILS ON DRAWINGS AND SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES BEFORE AND DURING CONSTRUCTION.
9	WHERE LIGHT SWITCH AND ABOVE COUNTER RECEPTACLES ARE INDICATED TO BE MOUNTED ADJACENT TO EACH OTHER, THE DEVICES SHALL BE MOUNTED AT THE SAME HEIGHT UNDER A COMMON DEVICE PLATE.
10	THE ARRANGEMENT, GROUPING, AND ROUTING OF BRANCH CIRCUITS SHALL BE PROVIDED AT THE CONTRACTOR'S DISCRETION IN ACCORDANCE WITH GENERALLY ACCEPTED PRACTICE FOR ELECTRICAL WORK, THE NATIONAL ELECTRICAL CODE REQUIREMENTS, LOCAL ORDINANCES, AND THE FOLLOWING:
10.1	A COMMON NEUTRAL SHALL NOT BE INSTALLED IN A HOMERUN FOR 2 OR 3 BRANCH CIRCUITS UNLESS DIRECTION IS PROVIDED BY THE ENGINEER IN WRITING FOR A SPECIFIC APPLICATION.
10.2	MULTIPLE SINGLE-POLE BRANCH CIRCUITS (UP TO 3 HOTS, 3 NEUTRALS, 1 GROUND) RATED FOR 30-AMPS OR LESS MAY BE PULLED INTO A SINGLE RACEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE RACEWAYS AND DERATING CONDUCTORS PER NEC ARTICLE 310.15.
10.3	BRANCH & FEEDER CIRCUITS SHALL BE ROUTED OVERHEAD UNLESS PRIOR APPROVAL HAS BEEN GRANTED BY THE ARCHITECT AND ENGINEER.
10.4	A GROUND CONDUCTOR SHALL BE PROVIDED IN ALL RACEWAYS UNLESS NOTED OTHERWISE.
11	WHERE FLOOR MOUNTED RECEPTACLES/DEVICES ARE GROUPED, PROVIDE DEVICES GROUPED IN ONE FLOOR BOX.
12	COORDINATE THE ROUTING OF UNDERGROUND CONDUCTORS/CONDUIT WITH STRUCTURAL FOOTINGS AND UNDERGROUND UTILITIES.
13	WHERE MC CABLE IS TO BE ACCEPTED AS A VE OPTION PER THE ARCHITECT, OWNER, AND CONTRACTORS' AGREEMENT, IT SHALL BE FULLY ENCUMBANT UPON THE ELECTRICAL CONTRACTOR TO ACCEPT COMPLETE RESPONSIBILITY FOR ALL LOW VOLTAGE CABLES REGARDING CONTROL, VOLTAGE DROP, QUANTITY OF CONDUCTORS, AND ANY PROBLEMS ASSOCIATED WITH THE INSTALLATION OF MC CABLE THROUGHOUT THE STRUCTURE. THE ELECTRICAL DESIGN INTENT IS TO PROVIDE ACCESSIBLE CHANNELS WITHIN THE WALLS FOR THE VARIOUS ELECTRICAL SYSTEMS INCORPORATED THROUGHOUT THE STRUCTURE. ELECTRICAL ENGINEER WILL NOT BE PARTICIPATING IN ANY CHARGEBACKS OR EXPENSES FROM LACK OF KNOWLEDGE OF THE ELECTRICAL SYSTEM.
14	SEAL ALL FIRE RATED WALL AND FLOOR PENETRATIONS IN THE CONSTRUCTION AREA
15	SEE THE ARCHITECTURAL DRAWINGS FOR ALL LOCATIONS OF FIRE RATED WALLS.
16	WHEREVER ON THE ELECTRICAL DRAWINGS THE WORD "PROVIDE" IS USED, IT SHALL BE INFERRED TO MEAN "FURNISH AND INSTALL".
17	ELECTRICAL CONTRACTOR SHALL PROVIDE WATER PROOFING FOR ALL CONDUIT ENTERING BUILDING.
18	ELECTRICAL CONTRACTOR SHALL FULLY VERIFY DISTANCES AND FIELD MEASUREMENTS AND OTHER DISCIPLINE EQUIPMENT PRIOR TO ASSUMPTION OF ACCURACY AND SHALL NOT SCALE DISTANCES OFF ELECTRICAL DRAWINGS.

LIGHT FIXTURE SCHEDULE										
FIXTURE SPECIFICATIONS				LAMPING		ELECTRICAL		MOUNTING	REMARKS	NOTES
TYPE	FIXTURE DESCRIPTION	MANUFACTURER	CAT. #	NO.	LAMP TYPE	FIXT. LOAD	VOLTS			
A	2X4 LED FLATPANEL	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT	-	LED, 835, 4000LM	36	120 V	RECESSED IN GRID	1,2,3,4	
AE	2X4 LED FLATPANEL W/EMERGENCY BATTERY	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL-MVOLT-E10WLCP	-	LED, 835, 4000LM	36	120 V	RECESSED IN GRID	1,2,3,4	
B	2X2 LED FLATPANEL	LITHONIA	CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT	-	LED, 835, 3200LM	28	120 V	RECESSED IN GRID	1,2,3,4	
BE	2X2 LED FLATPANEL W/EMERGENCY BATTERY	LITHONIA	CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT-E10WLCP	-	LED, 835, 3200LM	28	120 V	RECESSED IN GRID	1,2,3,4	
D	4" DOWNLIGHT	ALPHABET	NUE4-RD-SW-15LM-35K-90-60D-NL-WH-WH-NC-120-DIM10	-	LED, 935, 1500LM	16	120 V	RECESSED IN CEILING	1,2,3,4	
DA	4" ADJUSTABLE DOWNLIGHT	ALPHABET	NUE4-RA-SW-15LM-35K-90-60D-NL-WH-WH-NC-120-DIM10	-	LED, 935, 1500LM	16	120 V	RECESSED IN CEILING	1,2,3,4	
DAE	4" ADJUSTABLE DOWNLIGHT W/EMERGENCY BATTERY	ALPHABET	NUE4-RA-SW-15LM-35K-90-60D-NL-WH-WH-NC-120-DIM10-E M7	-	LED, 935, 1500LM	16	120 V	RECESSED IN CEILING	1,2,3,4	
DE	4" DOWNLIGHT W/EMERGENCY BATTERY	ALPHABET	NUE4-RD-SW-15LM-35K-90-60D-NL-WH-WH-NC-120-DIM10-E M7	-	LED, 935, 1500LM	16	120 V	RECESSED IN CEILING	1,2,3,4	
E	EGRESS LIGHTING	LIGHTALARMS	WLB-2	-	LED	3	120 V	MTD ABOVE DOOR	3,4	
F	DECORATIVE PENDANT	OCL	TB3-___-___-MW-WTP-LED135K-ND-UNV-___-DM1	-	LED, 835, 1650LM	12	120 V	PENDANT MTD	1,2,3,4,6,9	
H	SIGNAGE SPOT LIGHT	LITON	LWMLD4CJ321-W-B25-T35	-	LED, 935, 1800LM	20	120 V	WALL MTD	1,2,3,4	
J	COVE LIGHTING	LUMENPULSE	LCN2 RO-UL-120-___-35K-___-FR-___-WH	-	LED, 835, 1335LM	12	120 V	CONCEALED IN COVE	1,2,3,4,5,9	
K	LANDSCAPE FACADE	HYDREL	PALM-A-P1-80CRI-40K-12-40DEG-FLC-KM	-	LED, 840, 826LM	9	12 V	IN GROUND	1,2,3,4,10	
M	POLE LIGHTING	LITHONIA LIGHTING	RSX1 LED-P3-40K-R4-MVOLT-___-HS-_____	-	LED, 840, 1400LM	109	120 V	POLE MOUNTED FIXTURE	1,2,3,4,7,9	
N	POLE LIGHTING	LITHONIA LIGHTING	RSX1 LED-P3-40K-R3-MVOLT-___-HS-_____	-	LED, 840, 1400LM	109	120 V	POLE MOUNTED FIXTURE	1,2,3,4,7,9	
P	6" CYLINDER	LITHONIA	LDN6CYL-35/25-L06AR-LSS-MVOLT-GZ10	-	LED, 835, 2500LM	28	120 V	PENDANT MTD AT 10' AFF	1,2,3,4	
PE	6" CYLINDER W/CONNECTION TO EMERGENCY INVERTER	LITHONIA	LDN6CYL-35/25-L06AR-LSS-MVOLT-GZ10	-	LED, 835, 2500LM	28	120 V	PENDANT MTD AT 10' AFF	1,2,3,4,8	
S	SCONCE	BROWNLEE	7070-24-___-U11-WD-40K	-	LED, 840, 1000LM	11	120 V	WALL MTD	1,2,3,4,8,11	
T2	4' LINEAR LED	LITHONIA	CLX-L48-9000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-WH	-	LED, 835, 9000LM	62	120 V	CEILING MTD	1,2,3,4	
T4	4' LINEAR LED	LITHONIA	CLX-L48-9000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-WH	-	LED, 835, 9000LM	62	120 V	CEILING MTD	1,2,3,4	
T4E	4' LINEAR LED W/EMERGENCY BATTERY	LITHONIA	CLX-L48-9000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-E10W-WH	-	LED, 835, 9000LM	62	120 V	CEILING MTD	1,2,3,4	
W	WALLPACK	LITHONIA LIGHTING	WPX0 LED AL02-SWW2-MVOLT-PE-DBBXD	-	LED, 840, 994LM	8	120 V	WALL MTD	1,2,3,4	
X	EXIT SIGN	LIGHTALARMS	6UENRM	-	LED	3	120 V	WALL MTD	3,4	
Y	DOUBLE FACED EXIT SIGN	LIGHTALARMS	6UENRM	-	LED	3	120 V	CEILING MTD	3,4	

LIGHT FIXTURE SCHEDULE NOTES	
1	LUMENS LISTED IN SCHEDULE REPRESENT DELIVERED LUMENS OF FIXTURES.
2	THREE DIGIT NUMBERS LISTED IN LAMP COLUMN REPRESENT CRI AND COLOR TEMPERATURE. FIRST DIGIT INDICATES MINIMUM CRI AND LAST TWO DIGITS INDICATE COLOR TEMPERATURE. EXAMPLE: 830 INDICATES MINIMUM CRI OF 80 AND A COLOR TEMPERATURE OF 3000K.
3	SEE ARCHITECTURAL RCP AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.
4	CONFIRM QUANTITIES OF FIXTURES SHOWN IN RCP MATCH QUANTITIES SHOWN ON ELECTRICAL PLANS PRIOR TO BID. IF NO DISCREPANCIES ARE NOTED PRIOR TO BID THE HIGHEST QUANTITY OF EACH FIXTURE TYPE SHOWN SHALL BE PROVIDED.
5	COVE LIGHTING FIXTURE SHALL BE SIZED AS APPROPRIATE FOR COVE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY COMPONENTS FOR A FULLY FUNCTIONAL SYSTEM.
6	DECORATIVE FIXTURE F SHALL BE FULLY COORDINATED WITH ARCHITECT PRIOR TO ORDERING AND ROUGH-IN.
7	CONTRACTOR SHALL PROVIDE A POLE AND ALL ACCESSORIES FROM THE SAME MANUFACTURER AS THAT PROVIDED FOR FIXTURES M & N. PROVIDE A 20' POLE FIXTURE HEIGHT ABOVE GRADE OR AS REQUIRED BY LOCAL AUTHORITY.
8	CONTRACTOR SHALL PROVIDE REMOTE MOUNTED 10W EMERGENCY INVERTER FOR EGRESS LIGHTING DURING THE EVENT OF UTILITY FAILURE.
9	ALL BLANKS SHOWN IN CATALOG #'S SHALL EITHER BE DETERMINED IN FIELD BY ELECTRICAL CONTRACTOR OR SHALL BE CONFIRMED WITH ARCHITECT PRIOR TO ORDERING.
10	ELECTRICAL CONTRACTOR SHALL PROVIDE A COMPATIBLE 12V XFMR FOR LOW VOLTAGE LANDSCAPE LIGHTING.
11	LIGHTING MANUFACTURER AND CATALOG NUMBER SHOWN ONLY AS A BASIS OF DESIGN.

EQUIPMENT CONNECTION SCHEDULE									
UNIT I.D.	ELECTRICAL SUMMARY			DISCONNECT SUMMARY					NOTES
	VOLTAGE	# OF POLES	LOAD (VA)	FURN. BY	DISC. TYPE	DISC. RATING	TRIP / FUSE	NEMA RATING	
CU-1	208 V	2	2288	EC	FD	30 A	25A	3R	1
DFC-1	208 V	2	0	EC	NFD	30 A	----	1	1,2
DRY VAC	208 V	2	4160	EC	FD	30 A	----	1	1,4
EGWH-1	208 V	2	1500	EC	FD	30 A	15A	1	1
FCU-1	208 V	3	8322	EC	FD	30 A	30A	1	1
FCU-2	208 V	3	8322	EC	FD	30 A	30A	1	1
FCU-3	208 V	3	8322	EC	FD	30 A	30A	1	1
FCU-4	208 V	3	8322	EC	FD	30 A	30A	1	1
FCU-5	208 V	3	8322	EC	FD	30 A	30A	1	1
FCU-6	208 V	3	8322	EC	FD	30 A	30A	1	1
HP-1	208 V	3	5980	EC	FD	30 A	25A	3R	1
HP-2	208 V	3	6521	EC	FD	30 A	30A	3R	1
HP-3	208 V	3	6521	EC	FD	30 A	30A	3R	1
HP-4	208 V	3	6521	EC	FD	30 A	30A	3R	1
HP-5	208 V	3	9007	EC	FD	60 A	40A	3R	1
HP-6	208 V	3	9007	EC	FD	60 A	40A	3R	1
SERVICE DISCONNECT	208 V	3	-----	EC	FD	800 A	800A	3R	1,3
WATER HEATER	208 V	2	6000	EC	FD	60 A	40A	1	1

EQUIPMENT CONNECTION SCHEDULE NOTES	
1	ALL SWITCHES SHALL BE GENERAL DUTY TYPE, FUSIBLE UNLESS NOTED WITH "NF" (NON-FUSIBLE).
2	INDOOR UNIT RECEIVES POWER AND COMMUNICATION FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTED WIRING BY ELECTRICAL CONTRACTOR.
3	SEE SQUARE D PROPOSAL: P-211103-2659798 QUOTE: Q-5947972 FOR DISCONNECT SPECIFICATION. CONTACT WALTER WORTMAN - WALTER.WORTMAN@SE.COM PHONE: (803) 466-3593
4	ELECTRICAL CONTRACTOR SHALL CONFIRM ALL ELECTRICAL REQUIREMENTS, INCLUDING FUSE SIZE, FROM EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.

ABBREVIATIONS	
ABR	DESCRIPTION
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BOD	BOTTOM OF DEVICE
CBB	COMMUNICATIONS BACK BOARD
CLG	CEILING
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
FCU	FAN COIL UNIT
FDS	FUSED DISCONNECT SWITCH
GBB	GROUND BUSS BAR
GFCI	GROUND-FAULT CIRCUIT-INTERRUPTING
GFI	GROUND-FAULT INTERRUPTING
GP	GENERAL PURPOSE
HP	HEAT PUMP
J-BOX	JUNCTION BOX
NEC	NATIONAL ELECTRIC CODE
NFDS	NON-FUSED DISCONNECT SWITCH
OC	ON CENTER
SD	SMOKE DETECTOR
SPD	SURGE PROTECTION DEVICE
TGB	TELEPHONE GROUNDING BUSS BAR
UNO	UNLESS OTHERWISE NOTED
W/	WITH
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL SYMBOL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DUPLEX RECEPTACLE (WALL MOUNTED @ 18" AFF)		ELECTRICAL UTILITY METER & C/T CABINET
	DUPLEX RECEPTACLE (GFI TYPE @ 18" AFF)		PANELBOARD (RECESS MOUNTED)
	DUPLEX RECEPTACLE (@ 6" ABOVE COUNTER)		DISCONNECT SWITCH, (NON PROTECTED)
	DUPLEX RECEPTACLE (GFI TYPE @ 6" ABOVE COUNTER)		MOTOR CONNECTION (AS NOTED)
	QUADPLEX RECEPTACLE (FLOOR MOUNTED)		HANDHOLE
	MULTI-PHASE RECEPTACLE (AS NOTED ON PLAN)		REMOTE GFCI TEST SWITCH WITH INDICATOR LIGHT & DEAD FRONT PANEL. (NO RECEPTACLE)
	JUNCTION BOX (WALL MTD)		PHOTOCELL LIGHTING CONTROL
	JUNCTION BOX (FLOOR MOUNTED)		OCCUPANCY SENSOR (DUAL TECH) (CEILING MOUNTED)
	PHONE OR DATA OUTLET (WALL MOUNTED @ 18" AFF)		OCCUPANCY SENSOR (DUAL TECH) (WALL MOUNTED)
	PHONE OR DATA OUTLET (MTD ABOVE COUNTER)		KEY NOTE CALLOUT (REFER TO KEY NOTES ON SHEET)
	LIGHT SWITCH, SINGLE POLE		MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE
	LIGHT SWITCH, 3 WAY TYPE		LOWER CASE SUBSCRIPT INDICATES SWITCH-LEG
	LIGHT SWITCH, 3 WAY DIMMER TYPE		LIGHT SWITCH W/OCCUPANCY SENSOR (DUAL TECH)
	LIGHT SWITCH, 4 WAY TYPE		LIGHT SWITCH W/DIMMING & OCCUPANCY SENSOR (DUAL TECH)
	LIGHT SWITCH, DIMMER TYPE		

ELECTRICAL DRAWING INDEX	
#	SHEET NAME
E0.1	ELECTRICAL NOTES & LEGENDS
E0.2	ELECTRICAL DETAILS
E1.0	ELECTRICAL SITE PLAN
E1.1	ELECTRICAL LIGHTING PLANS
E1.2	ELECTRICAL POWER PLANS
E1.3	MECHANICAL POWER PLANS
E1.4	ELECTRICAL ENLARGED VIEWS
E2.0	ELECTRICAL PANEL SCHEDULES
E2.1	ELECTRICAL ONE-LINE DIAGRAM
E3.0	SITE PHOTOMETRICS

Project #CO241103

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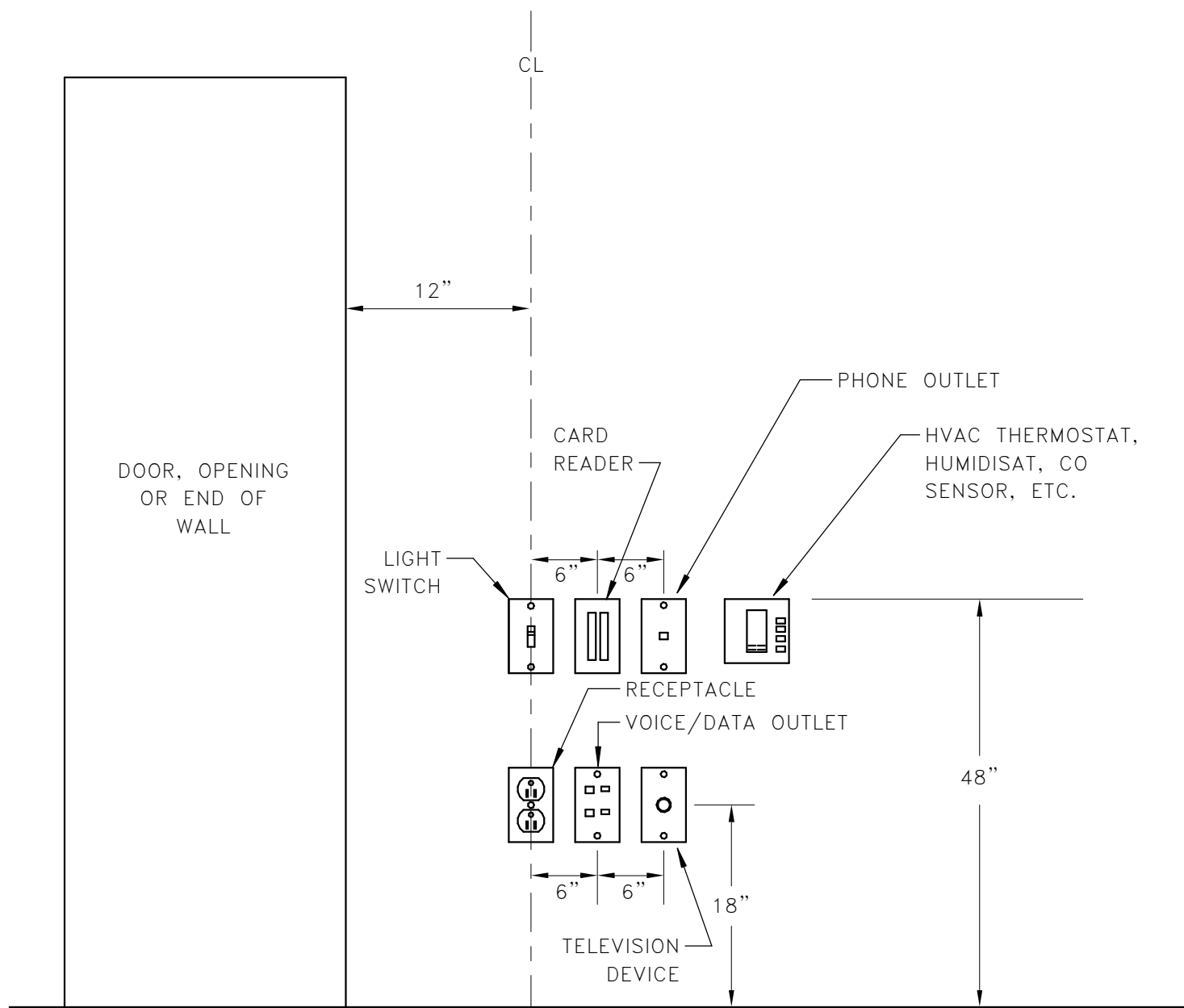
ARCHITECT, INC.

DESIGN • PLANNING • ARCHITECTURE

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No.	Revisions	Date
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Project Title LAKE MURRAY PEDIATRIC DENTISTRY 740 OLD LEXINGTON HWY, CHAPIN, SC		
Drawing Title ELECTRICAL NOTES & LEGENDS		
Consultant 		
		Date MAY 12, 2025
		Drawn By QE2
		Drawing No. E0.1

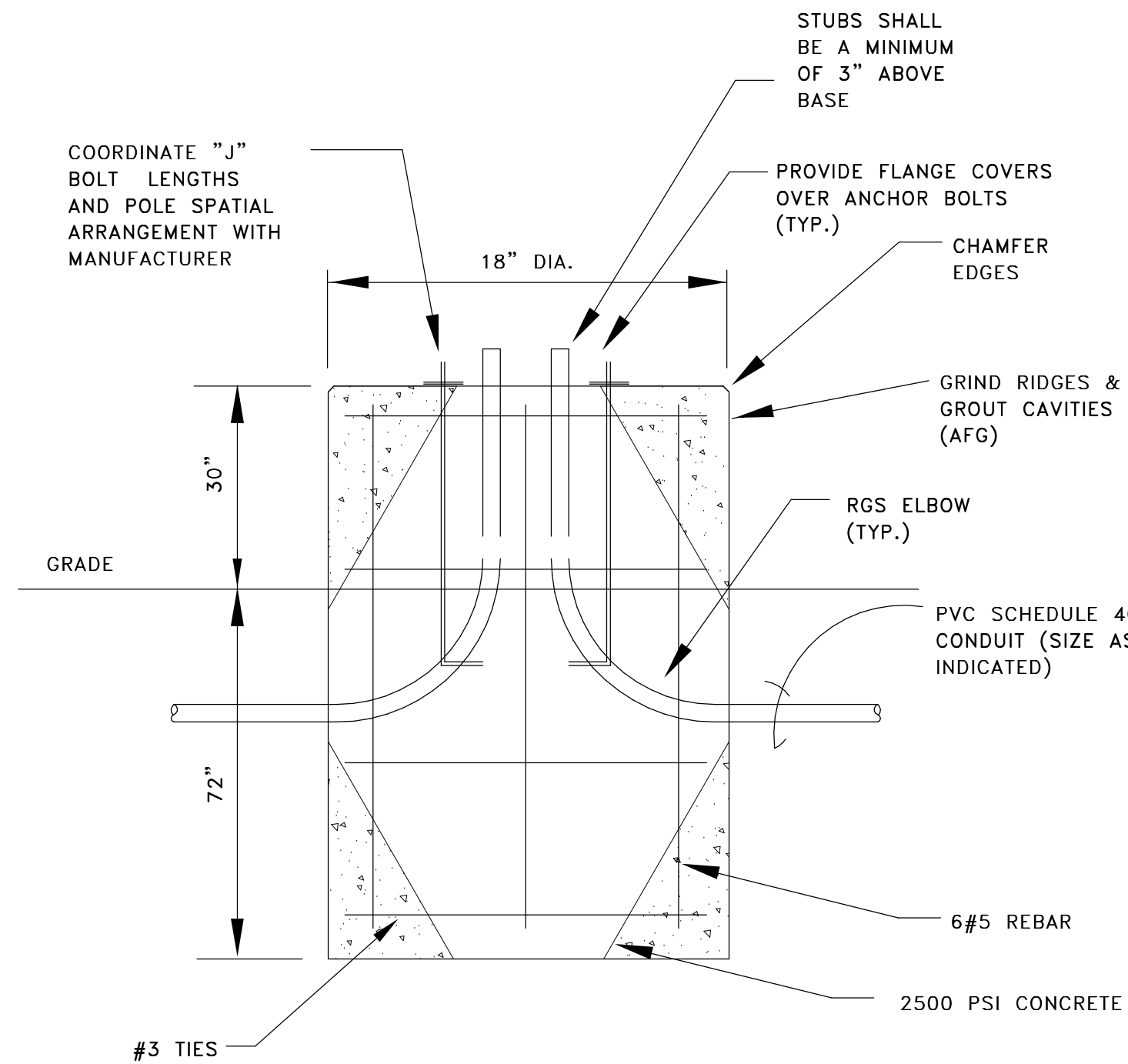
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- NOTE:
- DEVICES SHOWN WITHIN 48" OF EACH OTHER ON ALL ELECTRICAL PLANS SHALL BE ALIGNED PER THIS DETAIL. IF DEVICES ARE SHOWN IN MIDDLE OF WALL, THEN CENTER DEVICES ON WALL.
 - DEVICES ABOVE COUNTER SHALL BE MAXIMUM OF 44" TO TOP OF DEVICE. SEE ELEVATIONS FOR ADDITIONAL INFORMATION.

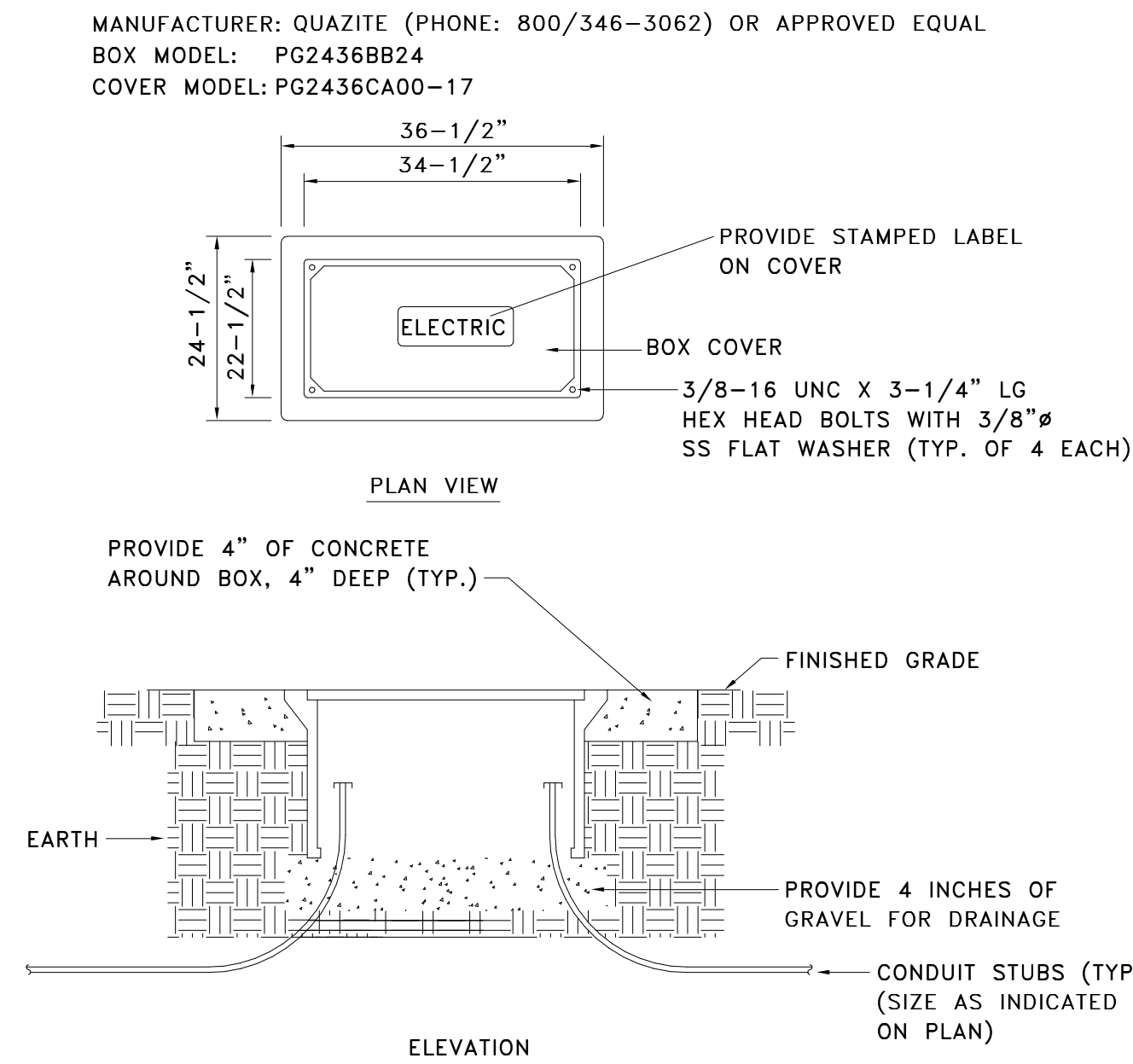
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E0.2

DEVICE ALIGNMENT DETAIL
NOT TO SCALE



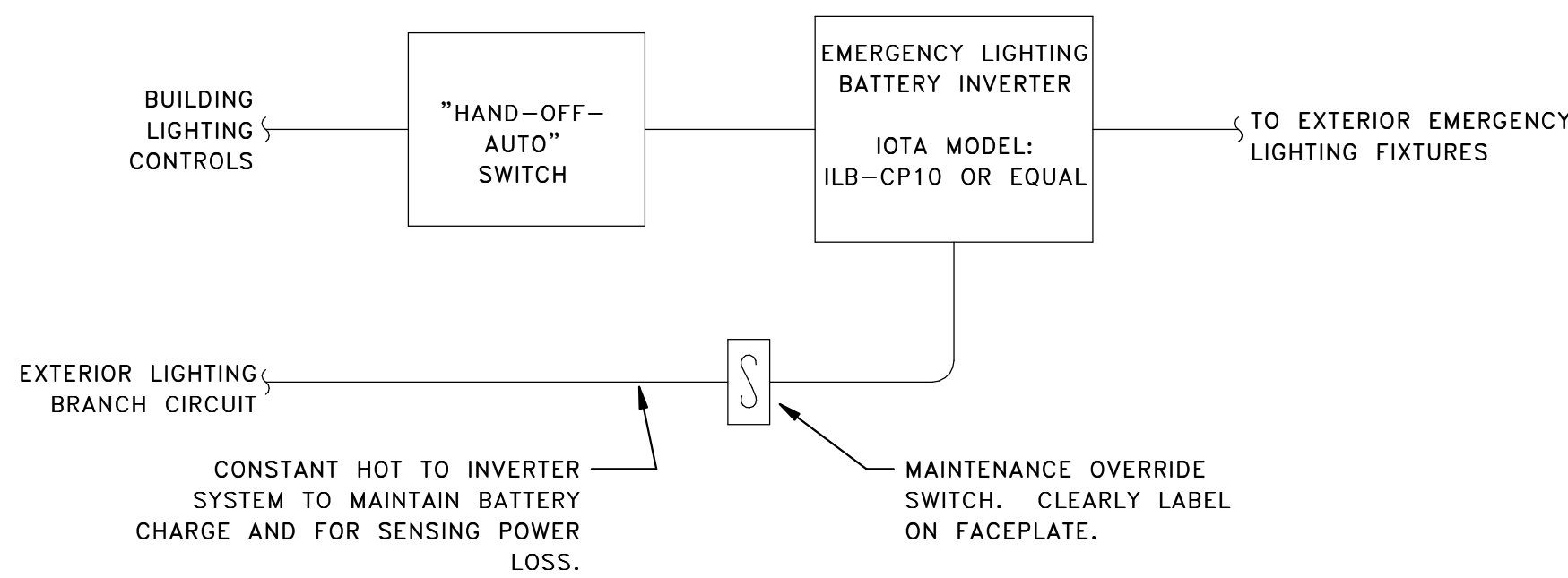
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E0.2

POLE DETAIL - CONCRETE BASE
NOT TO SCALE



3
E0.2

LARGE HANDHOLE DETAIL
SCALE: NOT TO SCALE



THIS DETAIL IS NOT A WIRING DIAGRAM AND SHALL BE USED TO SHOW INTENT ONLY. UTILIZE EQUIPMENT MANUFACTURER'S WIRING DETAILS FOR ALL CONNECTION DETAILS.

4
E0.2

EMERGENCY LIGHTING INVERTER DETAIL (10W)
NOT TO SCALE

Project #CO241103

Q² QUANTUM ELECTRICAL ENGINEERING

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Project Title
LAKE MURRAY PEDIATRIC DENTISTRY
740 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title
ELECTRICAL DETAILS

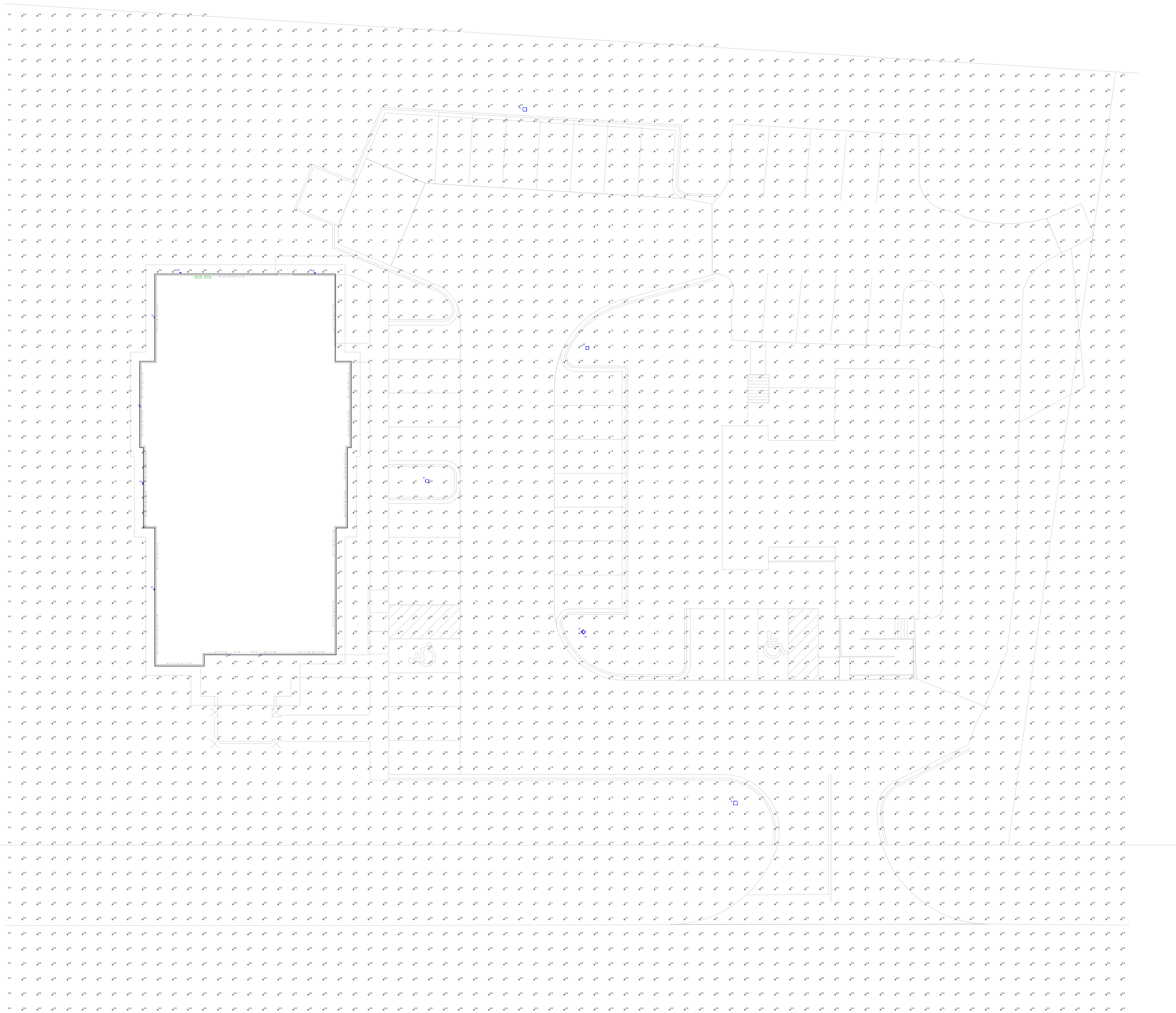
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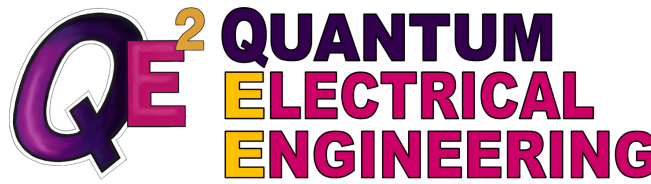
Q² QUANTUM ELECTRICAL ENGINEERING

DATE OF AUTHORIZATION
6/12/2025
STEPHANIE GRAVLIN

DATE
MAY 12, 2025
Drawn By
QE2
Drawing No.
E0.2



1 SITE PHOTOMETRICS
E3.0 SCALE: 1/16" = 1'-0"



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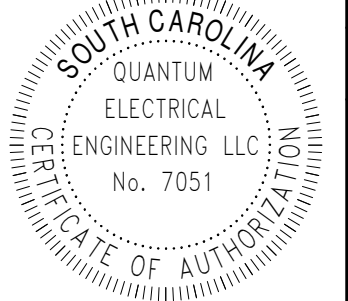
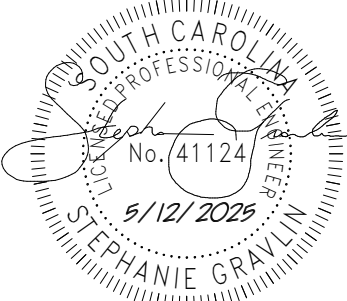
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LAKE MURRAY PEDIATRIC DENTISTRY
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Date
MAY 12, 2025

Drawn By
QE2

Drawing No.
E3.0

EXTERIOR FINISH LEGEND

- A BRICK VENEER (WAINSCOT):**
TAYLOR CLAY PRODUCTS INC. MODULAR "BRONZESTONE" WIRECUT WITH HOLCIM SAHARA BROWN TYPE S MORTAR AND ADJUSTABLE TYPE MASONRY ANCHORS AT 16" O.C. EACH WAY. PROVIDE SLOPED BRICK ROULOOK BILL AT TOP OF WAINSCOT WHERE INDICATED ON THE EXTERIOR ELEVATIONS
- B HORIZONTAL LAP SIDING:**
1 1/4" FIBER CEMENT BOARD HORIZONTAL LAP SIDING INSTALLED TO PROVIDE A 6" EXPOSURE. PAINT SHERWIN WILLIAMS SW 7562 ROMAN CANDLE
- C VERTICAL BOARD AND BATTEN SIDING:**
4' x 8' FIBER CEMENT BOARD PANELS WITH 1 x 3 FIBER CEMENT BOARD BATTENS AT 16" O.C. PAINT SHERWIN WILLIAMS SW 7562 ROMAN CANDLE
- D TRIM BOARDS:**
FIBER CEMENT BOARD TRIM INCLUDING 5/4 x 6 CORNER BOARDS, 5/4 x 6 DOOR AND WINDOW CASING, 5/4 x 10 AT DOOR AND WINDOW HEAD WITH DRIP CAP, 5/4 x 8 SKIRT BOARD WITH DRIP CAP, AND 5/4 x 8 WITH 1 x 4 FASCIA BOARD AND 5/4 x 6 FRIEZE BOARD. PAINT ALL SHERWIN WILLIAMS SW 7048 URBANE BRONZE
- E STOREFRONT AND WINDOWS:**
DARK BRONZE ALUMINUM THERMAL BREAK CENTER SET STOREFRONT SYSTEM WITH 1" THICK LIGHT GRAY INSULATED GLAZING. INSTALL ALL FRAMES AND ENTRANCES ACCORDING TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALTERNATE: PROVIDE FACTORY WINDOWS SUCH AS ANDERSON OR PELLA IN LIEU OF STOREFRONT. PROVIDE FRAME CONFIGURATION AND GRILLES AS INDICATED
- F SHINGLE ROOF:**
IKO CAMBRIDGE "DUAL BROWN" 30 YEAR MINIMUM ARCHITECTURAL ASPHALTIC SHINGLES ON UNDERLAY. PROVIDE ICE AND WATER SHIELD AT ALL VALLEYS AND OTHER AREAS AS RECOMMENDED BY THE MANUFACTURER. INSTALL SHINGLES ACCORDING TO THE PUBLISHED MANUFACTURER'S INSTALLATION INSTRUCTIONS. DO NOT USE AIR GUNS FOR SHINGLE INSTALLATION.
- G WOOD TIMBERS:**
TIMBERS AND TIMBER BRACKETS, EXTERIOR WOOD DOORS, AND EXTERIOR DUMPSTER FENCING SHALL BE PAINTED SHERWIN WILLIAMS SW 7048 URBANE BRONZE
- H EXTERIOR DOORS:**
PAINT EXTERIOR DOORS AND METAL FRAME SHERWIN WILLIAMS SW 7048 URBANE BRONZE.
- J WALL PACK LIGHTS:**
INSTALL BLACK WALL PACK LIGHTS AT 10'-0" AFF. AT LOCATIONS INDICATED ON THE EXTERIOR ELEVATIONS. SEE THE ELECTRICAL DRAWINGS (SPECIFIED FIXTURE 16 5/8" WIDE X 5.15" TALL X 2" DEEP).



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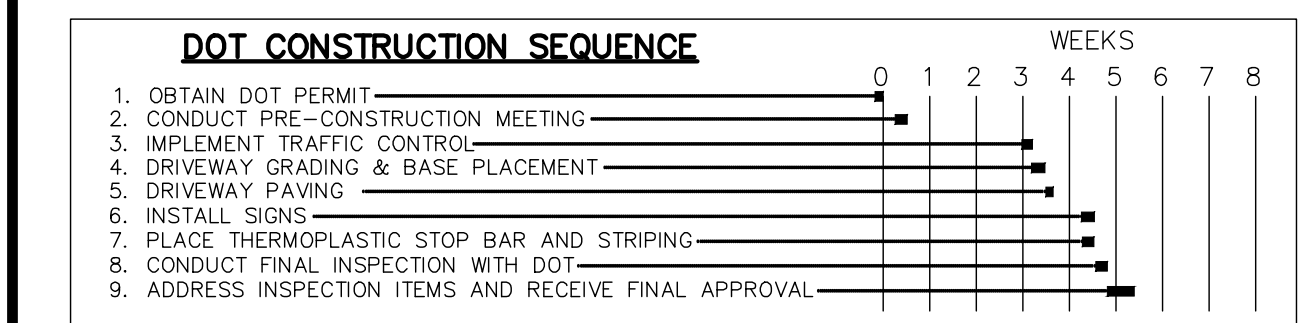
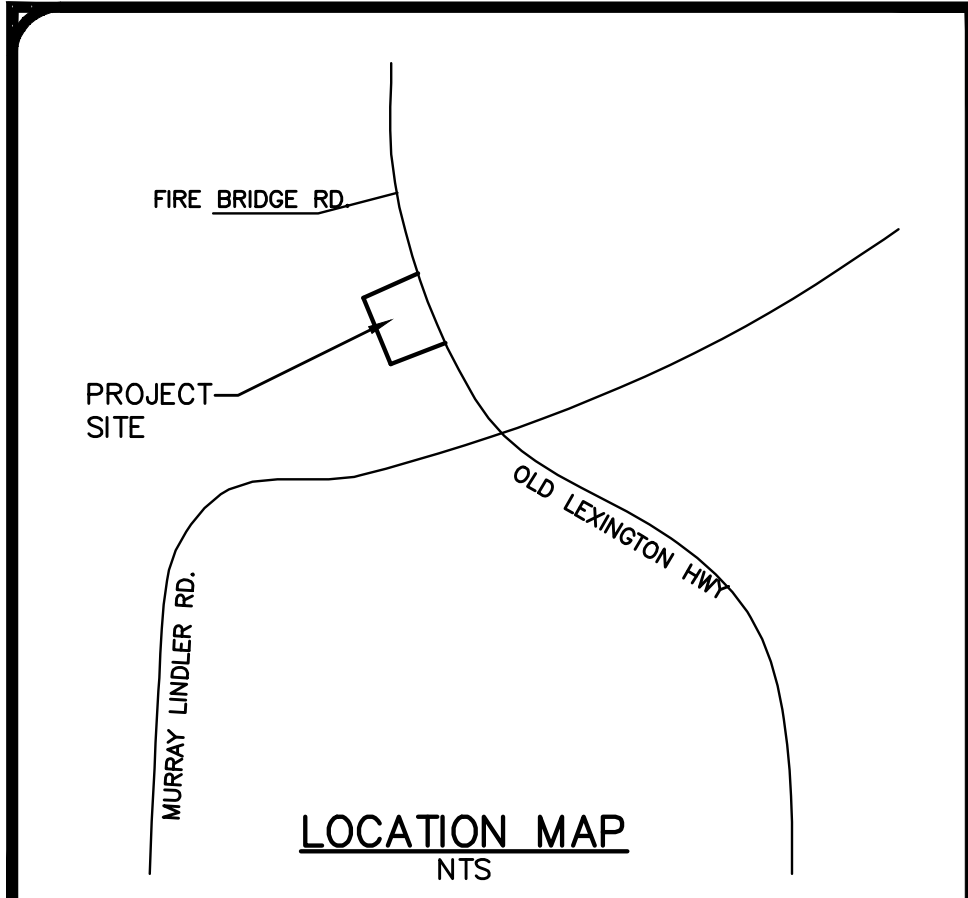
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Project Title
LAKE MURRAY PEDIATRIC DENTISTRY
140 OLD LEXINGTON HWY, CHAPIN, SC

Drawing Title
EXTERIOR ELEVATIONS

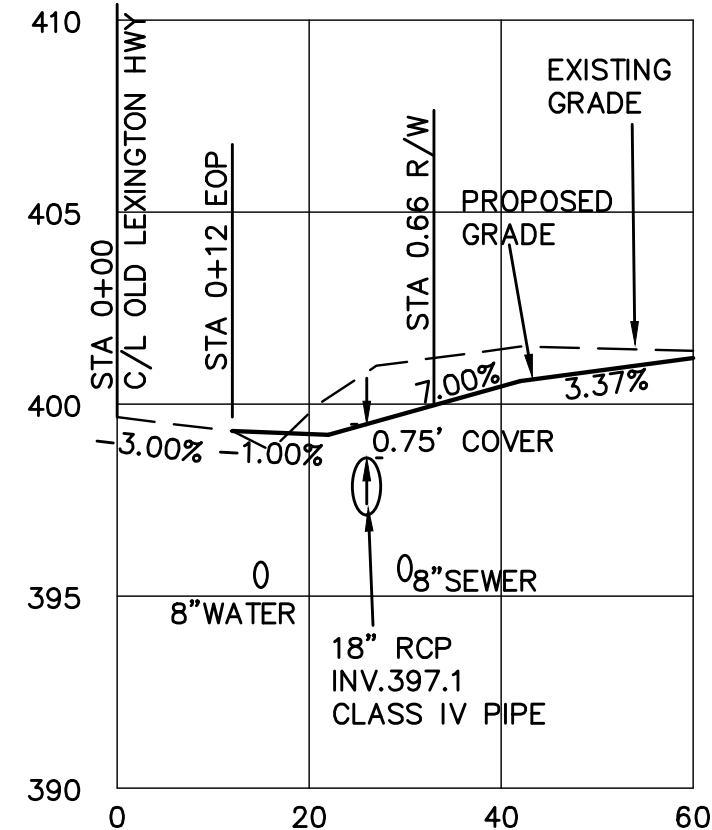
Consultant

Seal	Date MAY 12, 2025
	Drawn By OTTO
	Drawing No. A2.1



SCDOT NOTES:
1. ALL MARKINGS WITHIN SCDOT ROW SHALL BE APPROVED PERMANENT PAVEMENT MARKINGS PER SECTION 625, 626, OR 627 WITHIN THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR UTILIZING ALL APPLICABLE AND CURRENT SCDOT STANDARD DRAWINGS INCLUDING, BUT NOT LIMITED TO, THE DRAWINGS INCLUDED WITHIN THESE PLANS AND THE APPROVED PERMIT PACKAGE.
3. SIDEWALK AND CURB AND GUTTER TO BE REMOVED AND REPLACED FROM JOINT TO JOINT.
4. CONTRACTOR TO CLEAR EXISTING CULVERTS/PIPES, CATCH BASINS, AND DITCHES ALONG PROPERTY FRONTAGE AND DOWNSTREAM AS NECESSARY TO ACHIEVE POSITIVE DRAINAGE.
5. CONTRACTOR TO REMOVE AND REPLACE DAMAGED SIDEWALK OR CURB & GUTTER ALONG PROPERTY FRONTAGE AS NECESSARY AND/OR AS SPECIFIED BY DISTRICT PERMIT STAFF.
6. IN PRESENCE OF SIDEWALK OR OTHER ADA PATHWAY, ACCESS(ES) TO PROVIDE A MINIMUM OF 3' PEDESTRIAN PATH OF NO GREATER CROSS SLOPE THAN 2% ACROSS THROAT OF DRIVEWAY.
7. ANY PROPOSED SIDEWALK WITHIN THE ROW SHALL NOT EXCEED 2% CROSS SLOPE PER ADA AND PROWAG GUIDELINES. ALL RAMPS SHALL NOT EXCEED 6.5% FOR EVERY SCENARIO EXCEPT WHERE ALLOWED BY PROWAG.
8. ALL PROPOSED OR RELOCATED SIGNAGE SHALL BE PLACED OR REPLACED IN ACCORDANCE WITH SECTION 654-000 IN THE SCDOT STANDARD DRAWINGS.
9. CONTRACTOR TO SMOOTH EXISTING ASPHALT FOR SMOOTH JOINT NOT ALIGNED WITH WHEEL PATH.
10. PAVEMENT TRANSITION BETWEEN MILLED SURFACE AT BUTT JOINTS SHALL BE TIED-IN SMOOTHLY AND SHALL BE FREE OF "BUMPS".
11. IF RUMBLE STRIPES PRESENT WITHIN INFLUENCE OF PROJECT, CONTRACTOR TO CUT/OR MILL RUMBLE STRIPES AS NECESSARY TO ENSURE SMOOTH EDGE.
12. UPON SUBSTANTIAL PROJECT COMPLETION, CONTRACTOR TO CLEAR EXISTING CULVERTS/PIPES, CATCH BASINS, AND DITCHES ALONG FRONTAGE AND DOWNSTREAM AS NECESSARY TO ACHIEVE POSITIVE DRAINAGE.

SCDOT DETAILS	REF. #
TWO LANE FLAGGING:	610-005-10
FLAGGING NOTES:	610-005-00
SHOULDER CLOSURE:	610-205-00
BEVELED PIPE ENDS:	719-610-00

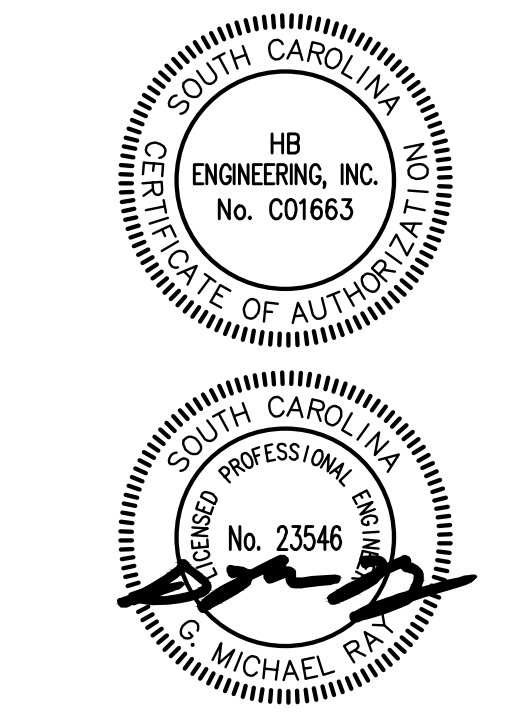
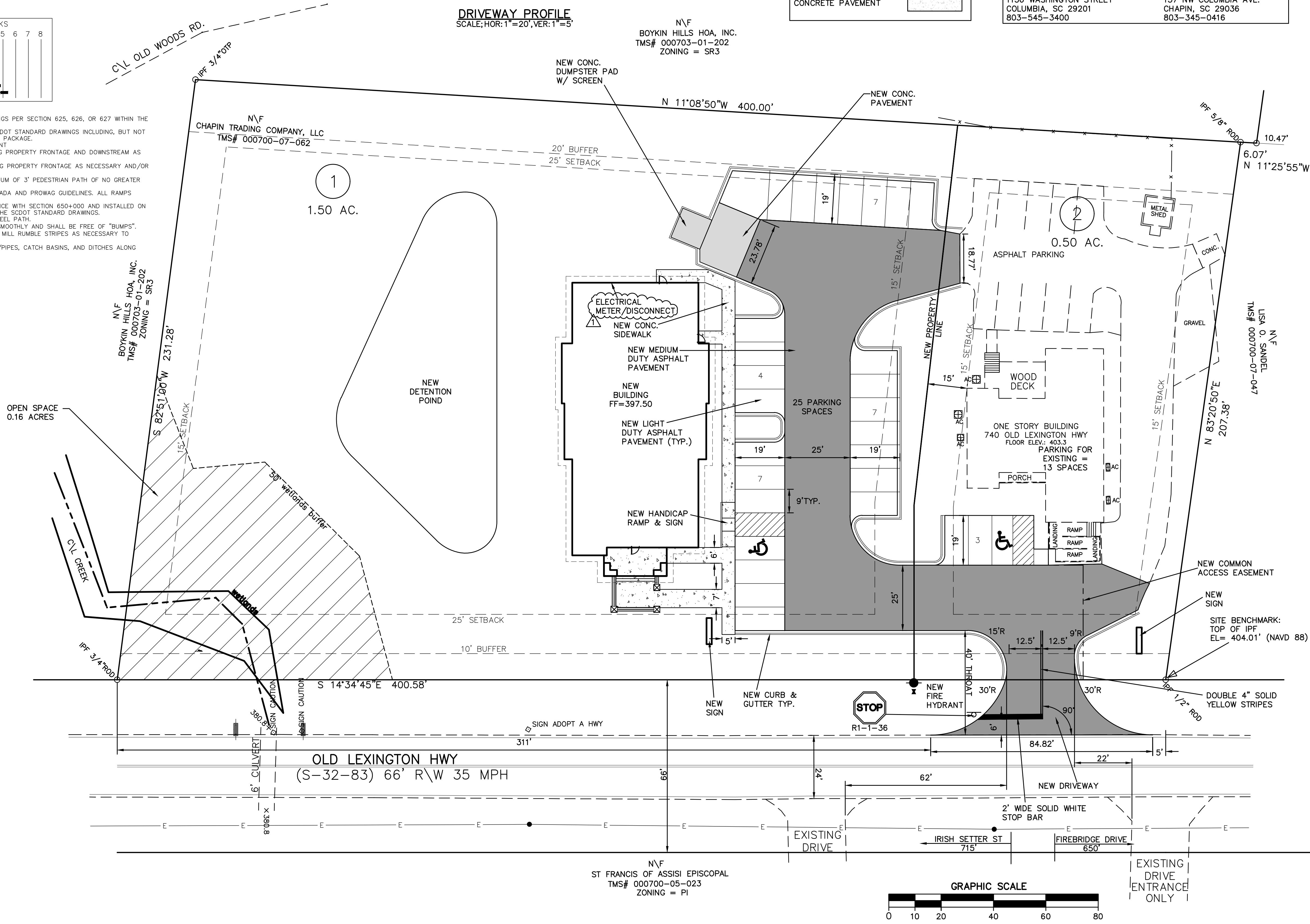


Know what's below.
Call before you dig.

PAVEMENT LEGEND

ASPHALT PAVEMENT (DOT R/W)	
MEDIUM DUTY ASPHALT PAVEMENT	
LIGHT DUTY ASPHALT PAVEMENT	
CONCRETE PAVEMENT	

OWNER:	CHAPIN TRADING COMPANY, LLC 740 OLD LEXINGTON HIGHWAY CHAPIN, SC 29036 803-345-2483 DR. RALPH WARNOCK drwarnock@bellsouth.net
TMS#:	000700-07-062
ZONING:	OFFICE COMMERCIAL
TOTAL AREA:	2.0 AC.
DISTURBED AREA:	1.3 AC.
PROPOSED USE:	DENTAL OFFICE
BUILDING SIZE:	5,112 SF
PARKING PROVIDED:	25 SPACES
ENGINEER:	HB ENGINEERING, INC. 720 OLD CHEROKEE ROAD LEXINGTON, SC 29072 803-957-7027 EXT. 302 CONTACT: MIKE RAY EMAIL: mikerayhb@gmail.com
WATER PROVIDER:	CITY OF COLUMBIA 1136 WASHINGTON STREET COLUMBIA, SC 29201 803-545-3400
SEWER PROVIDER:	TOWN OF CHAPIN 157 NW COLUMBIA AVE. CHAPIN, SC 29036 803-345-0416



HB Engineering
SITE DEVELOPMENT CONSULTANTS
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

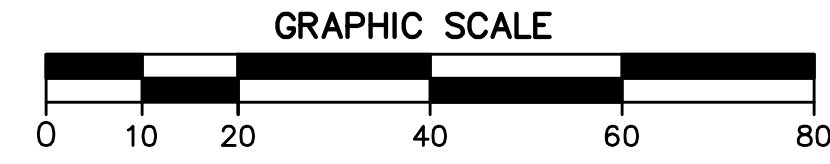
LAKE MURRAY PEDIATRIC DENTISTRY
OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

No.	Date	Revision
1	5.12.25	ELEC. METER
2	5.13.25	OPEN SPACE

Sheet Title:
SITE PLAN

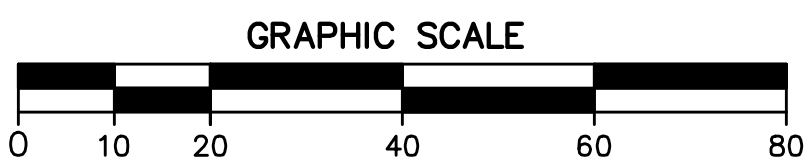
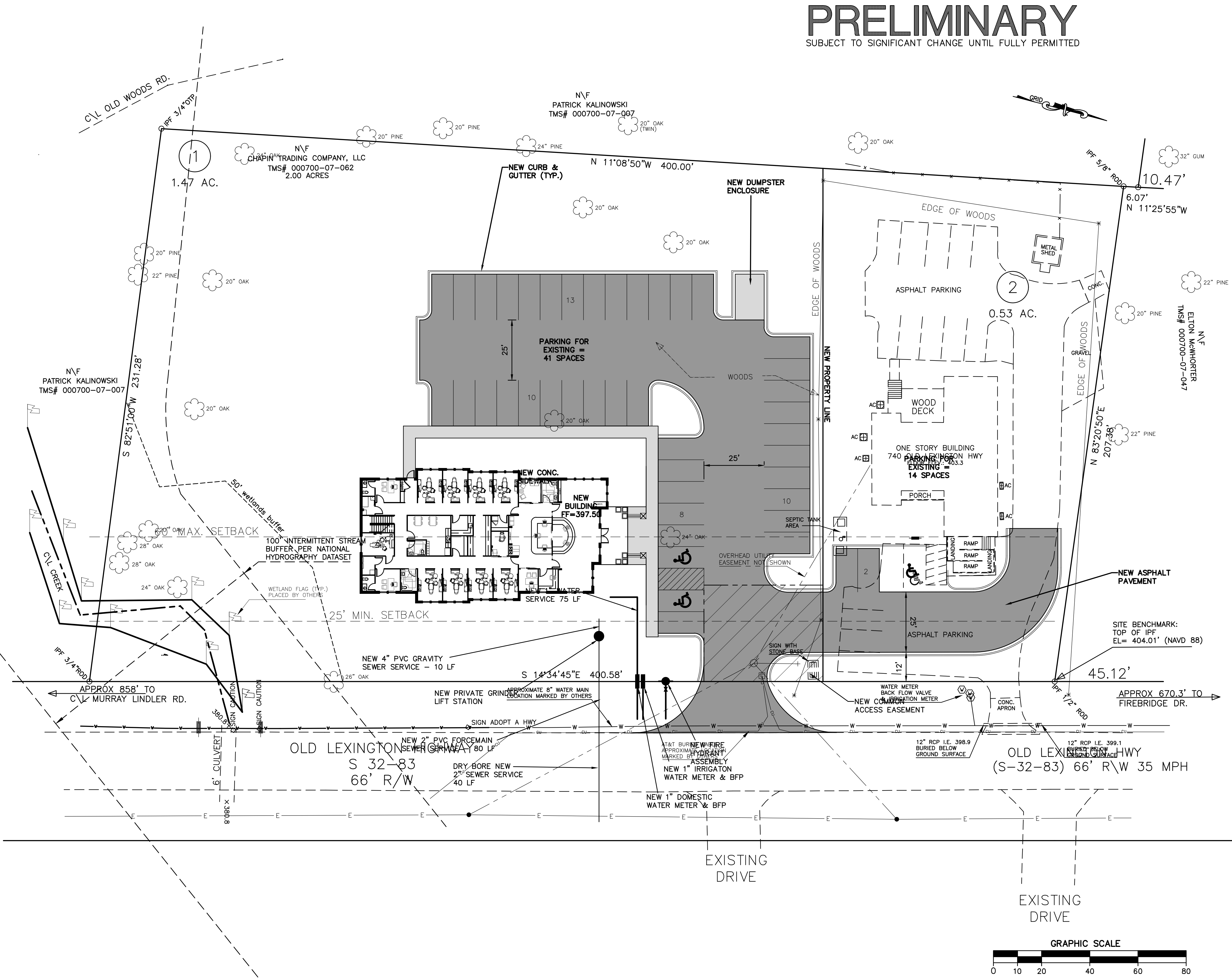
Drawn by: MR
Designed by: MR
Checked by: MR
Scale: 1"=20'
Project No: 23159
Date: 4.09.2025

or
10
Drawing No.



PRELIMINARY
SUBJECT TO SIGNIFICANT CHANGE UNTIL FULLY PERMITTED

LEGEND	
EXISTING TOPO	
PROPOSED TOPO	
PROPOSED SPOT ELEVATION	
SILT FENCE	
POROUS BAFFLE	
INLET PROTECTION	
GRAVEL CONSTRUCTION ENTRANCE	
LIMITS OF DISTURBANCE	LOD
CATCH BASIN	
DROP INLET	
RIP RAP	
MATTING	



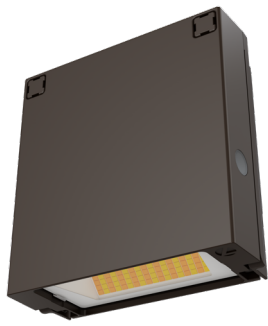
HB
Engineering
SITE DEVELOPMENT CONSULTANTS
720 OLD CHEROKEE ROAD
LEXINGTON, SOUTH CAROLINA 29072
803-957-7027 FAX 877-728-0808

LAKE MURRAY PEDIATRIC DENTISTRY
740 OLD LEXINGTON HWY
TOWN OF CHAPIN
SOUTH CAROLINA

No.	Date	Revision

Sheet Title:
**PRELIMINARY
SITE PLAN
W/ QUANTITIES**

Drawn by:	MR	Sheet	1
Designed by:	MR		
Checked by:	MR		
Scale:	1"=20'		
Project No.		or	1
Date:	10.03.2024	Drawing No.	



WPX0 LED Wall Pack



Catalog
Number

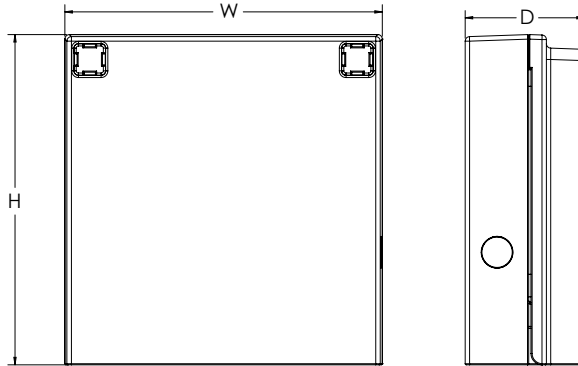
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Depth (D): 2"
Height (H): 5.75"
Width (W): 5.5"
Weight: 2.5lbs



Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in four sizes, the WPX family delivers 850 to 9,200 lumens with a wide, uniform distribution.

The WPX0 full cut-off wall pack is an excellent above the door lighting solution. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Standard features such as Adjustable Lumen Output (ALO), color switching and switchable photocell make WPX0 ideal for any application.

Ordering Information

EXAMPLE: WPX0 LED ALO SWW2 MVOLT PE DDBXD

Series	Color Temperature	Voltage	Controls	Finish
WPX0 LED ALO 850 - 1,650 Lumens	SWW2 3000K / 4000K / 5000K	MVOLT 120V - 277V	PE Photocell (On/Off)	DDBXD Dark bronze

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration.

NOTES:

Default out of the box settings: 1,650 Lumens, 4000K, Photocell enabled

FEATURES & SPECIFICATIONS

INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX0, WPX1, WPX2 and WPX3 are ideal for replacing up to 70W, 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL

Light engine consist of high-efficacy LEDs and LED lumen maintenance of L86/100,000 hours. Color temperature (CCT) can be switched between 3000K, 4000K and 5000K with minimum CRI of 80. Electronic driver ensures system power factor >90% and THD <20%. The luminaire operates on MVOLT (120V - 277V) input.

A module inside the luminaire allows the installer to not only switch between CCTs, but also the adjust the lumen output and switch on and off the photocell (PE).

INSTALLATION

WPX can be mounted directly over a standard electrical junction box. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WPX0 LED
Rev. 10/31/22

Performance Data

Electrical Load

ALO Setting	Input Power (W)	120 V (A)	208 V (A)	240 V (A)	277 V (A)
ALO 4	13.0	0.11	0.06	0.05	0.05
ALO 3	9.2	0.08	0.04	0.04	0.03
ALO 2	7.8	0.07	0.04	0.03	0.03
ALO 1	6.4	0.05	0.03	0.03	0.02

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.93	>0.89	>0.86

Lumen Output

ALO Setting	Color Temperature	Lumen Output
ALO 4	3000K	1,591
	4000K	1,644
	5000K	1,667
ALO 3	3000K	1,164
	4000K	1,191
	5000K	1,225
ALO 2	3000K	974
	4000K	994
	5000K	1,025
ALO 1	3000K	814
	4000K	829
	5000K	859

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.027
5°C	41°F	1.023
10°C	50°F	1.018
15°C	59°F	1.012
20°C	68°F	1.006
25°C	77°F	1.000
30°C	86°F	0.993
35°C	95°F	0.986
40°C	104°F	0.979

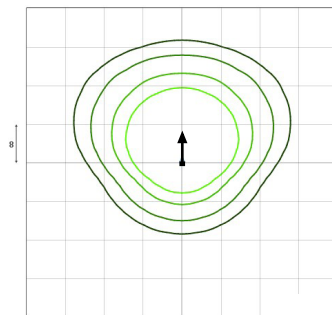
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting [WPX LED](https://www.lithonia.com) homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND

0.1 fc
0.2 fc
0.5 fc
1.0 fc

WPX0 LED ALO4



Switchable Features

