



KIM LEVELL DESIGN

510 Hopper Lane | Certificate of Appropriateness

Version 1.0 – Issued 13th May 2021

CONTENTS

Project Overview	01
Site Survey	02
Site Location	03
Site Context	04
Site Context – Neighbouring Buildings	05
Site Plan – Existing Conditions	06
Drainage & Storm Water Plan	07
Existing Conditions Pictures - Part 1	08
Existing Conditions Pictures - Part 2	09
Existing Conditions Pictures - Part 3	10
Existing Conditions Pictures - Part 4	11
Existing Conditions Pictures - Part 5	12
New Landscape Layout Plan - Site	13
New Brick wall & Brick Stairs Layout	14
New Brick wall & Brick Stairs – Execution Pictures	15
Materials and Finishes	16
Perspectives & New Layout Plan	17
	18

510 Hooper Lane

Project Overview



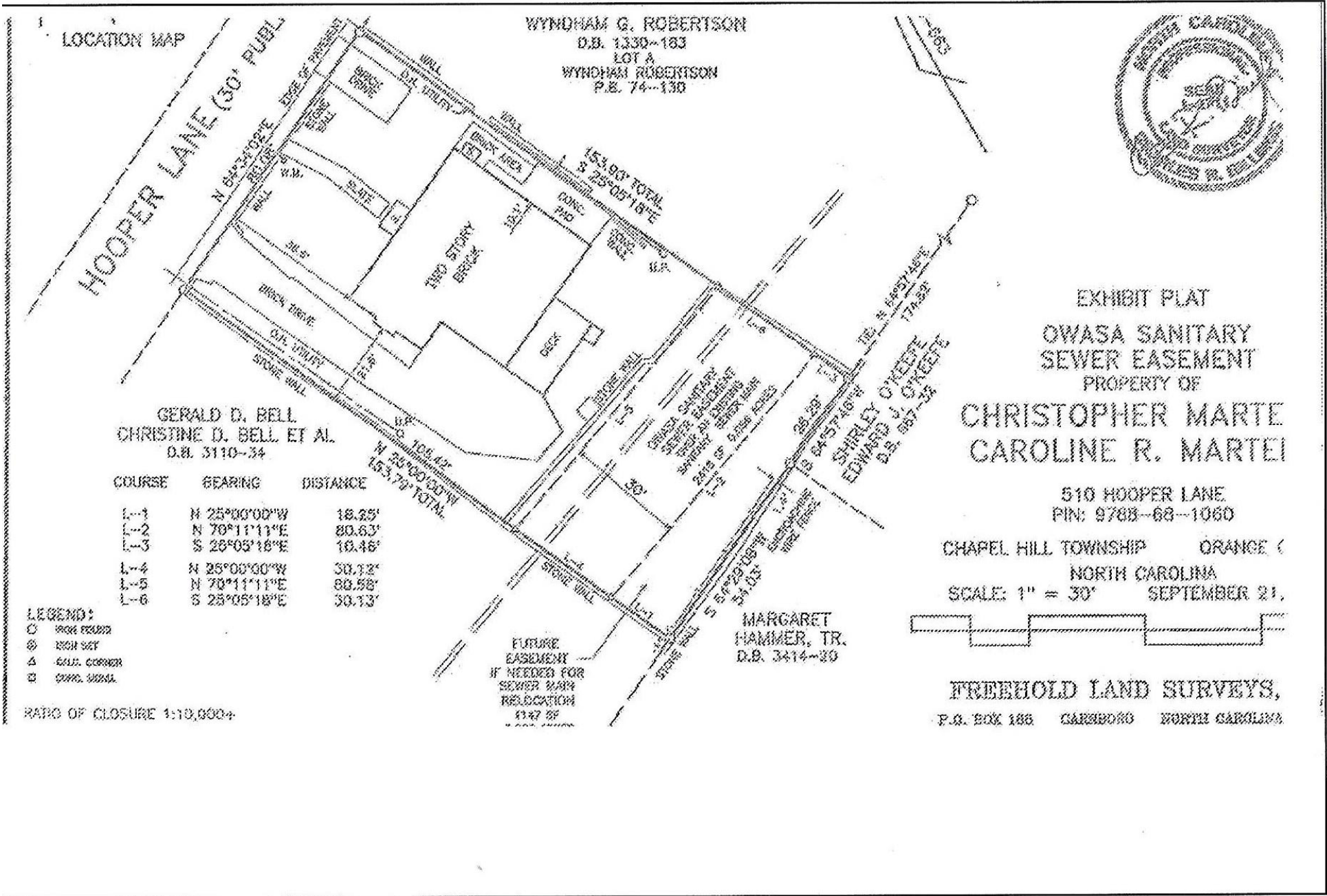
The scope of the project includes minor modification of the existing landscaping and restoration of original architectural features of its design.

The project scope is comprised of demolition of an existing brick parking pad and concrete slate, installation of a semi-permeable brick paver walkway, semipermeable chapel hill gravel landscaping area, installation of a reinforced concrete block wall with new drainage system to the front entrance, change finish, replace gutters, change roof tiles, add lighting and landscaping features.

All works on this site, including style and design are to preserve structural integrity of the property.

510 Hooper Lane

Survey Plan



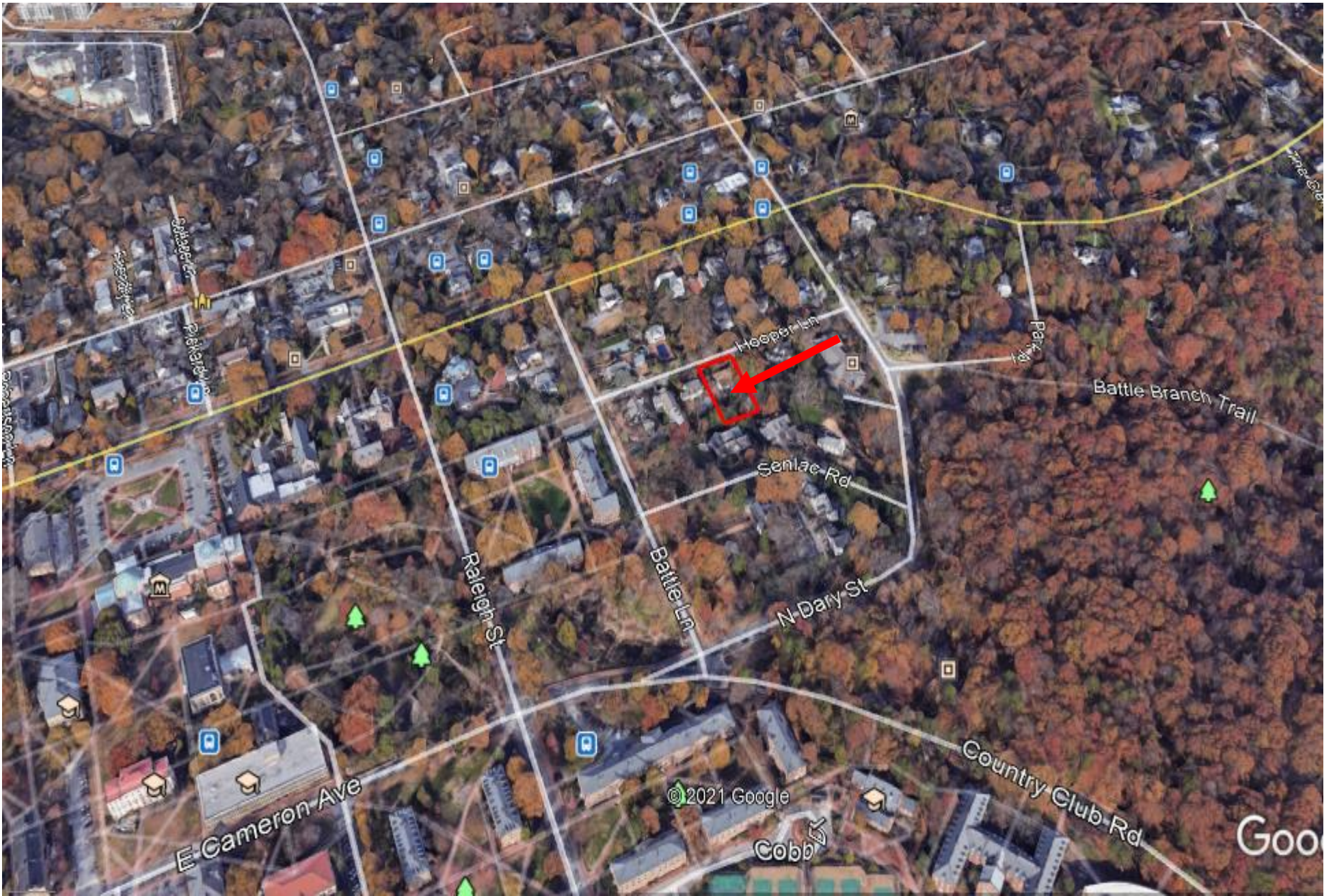
510 Hooper Lane

Site Location



SITE | 510 Hooper Lane, Chapel Hill, NC

510 Hooper Lane
Site Context



510 Hooper Lane

Site Context – Neighbouring Buildings



Reference 1 | Brick Stairs Walkway – 407 E Rosemary St



Reference 2 | Brick Stars Walkway - 303 E Franklin St



Reference 3 | Brick Driveway Reference - 517 Hooper Lane



Reference 4 | Brick Finishes and Patterns - 521 Hooper Lane



Reference 5 | Painted Brick - 515 Senlac Rd



Reference 6 | Old East Building



Reference 7 | – Stucco Façade Treatment - New East Building



Reference 8 | Painted Brick Façade Finish – 511 Senlac Rd



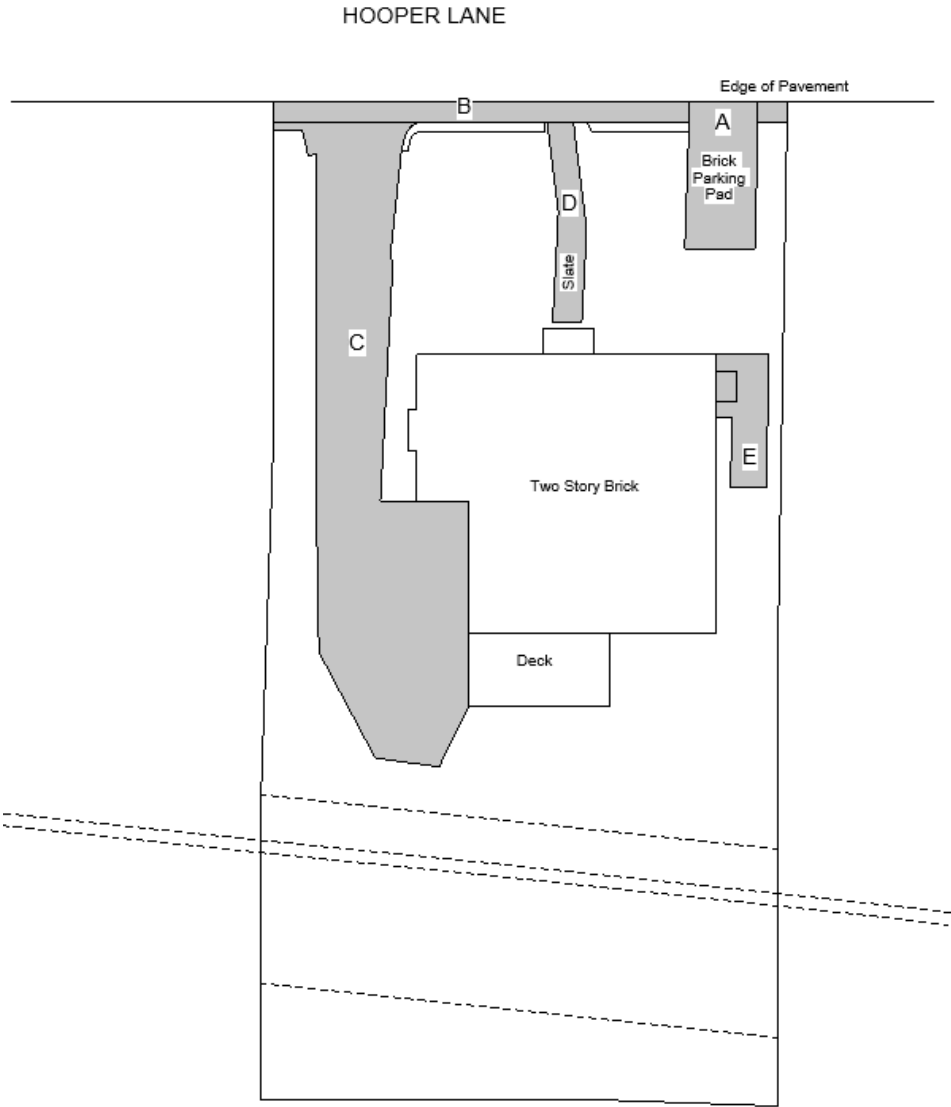
Reference 9 | 519 Hooper Lane



Reference 10 | Battle Lane

510 Hooper Lane

Site Plan - Existing Conditions



SITE | Existing Conditions



510 Hooper Lane

Stormwater & Drainage

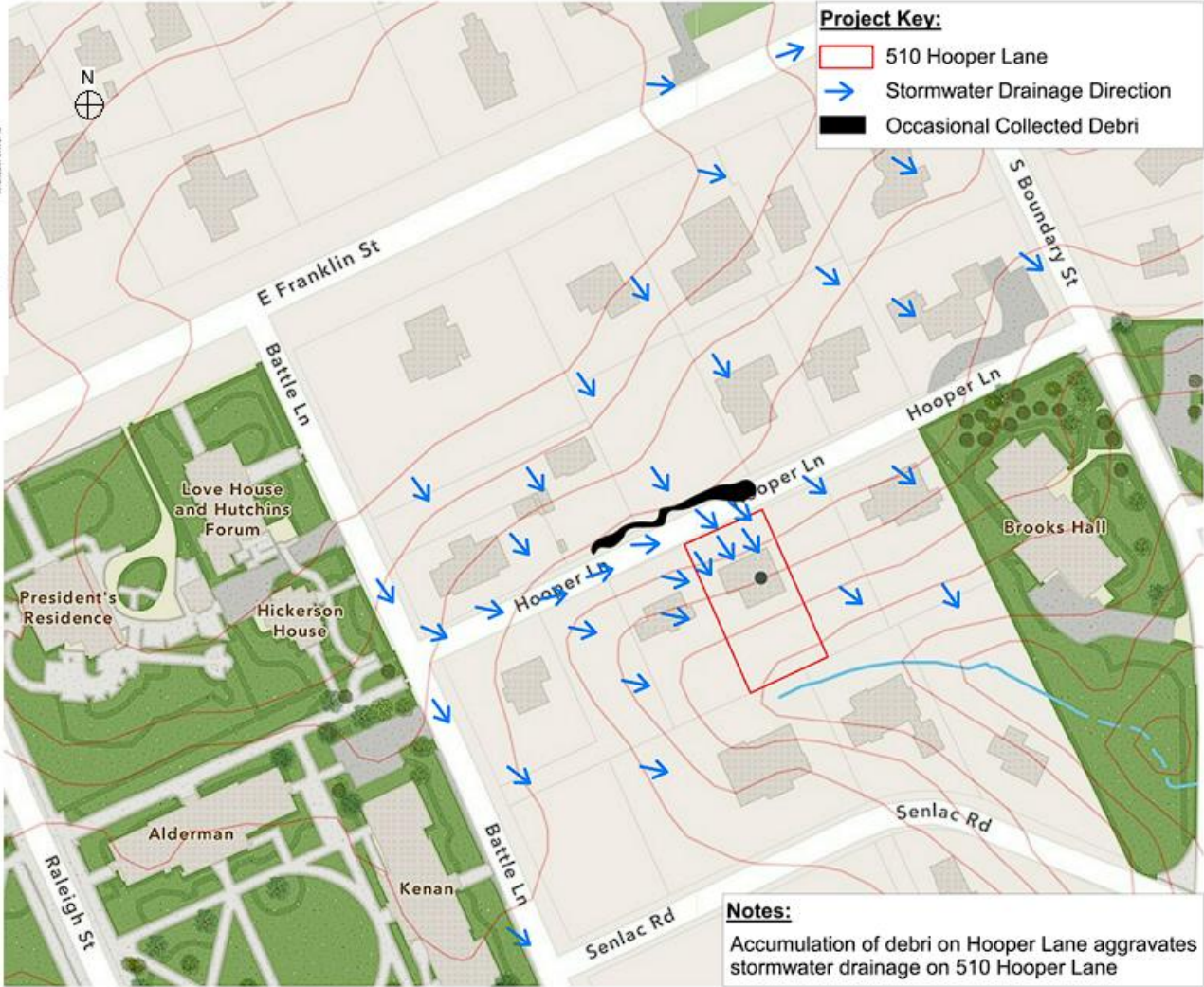


Image 1 - Battle Ln/Hooper Ln Stormwater Runoff



Image 2 - Evidence of Debris Accumulation on Hooper Lane adjacent to 510 Hooper Lane

The Topographic image depicts the water runoff from Battle Lane that is directed towards Hooper Lane, not only does debris collect adjacent to the property, but it is then forced down the original grade into the basement where the water was pumped into a rear swale. The new amendments allow for the stormwater to travel down the driveway of 510 Hooper Lane into the backyard.



View Inside Basement

Drains that was Installed on front wall to allow stormwater inside the building into the basement (Red Arrows)

510 Hooper Lane

Existing Conditions Pictures - Part 1



Door leading to the crawl space.



Door leading to the crawl space.



Soil thru vents next to soil that has started to cave in.

510 Hooper Lane

Existing Conditions Pictures - Part 2



Block amendment to hold back soil.



Area where soil is collapsing - Water runs into the space during every storm and is heavy during heavier times. It is now just starting washing in.



Sump pump installed to remove water and gravel area which never dries out.

510 Hooper Lane

Existing Conditions Pictures - Part 3



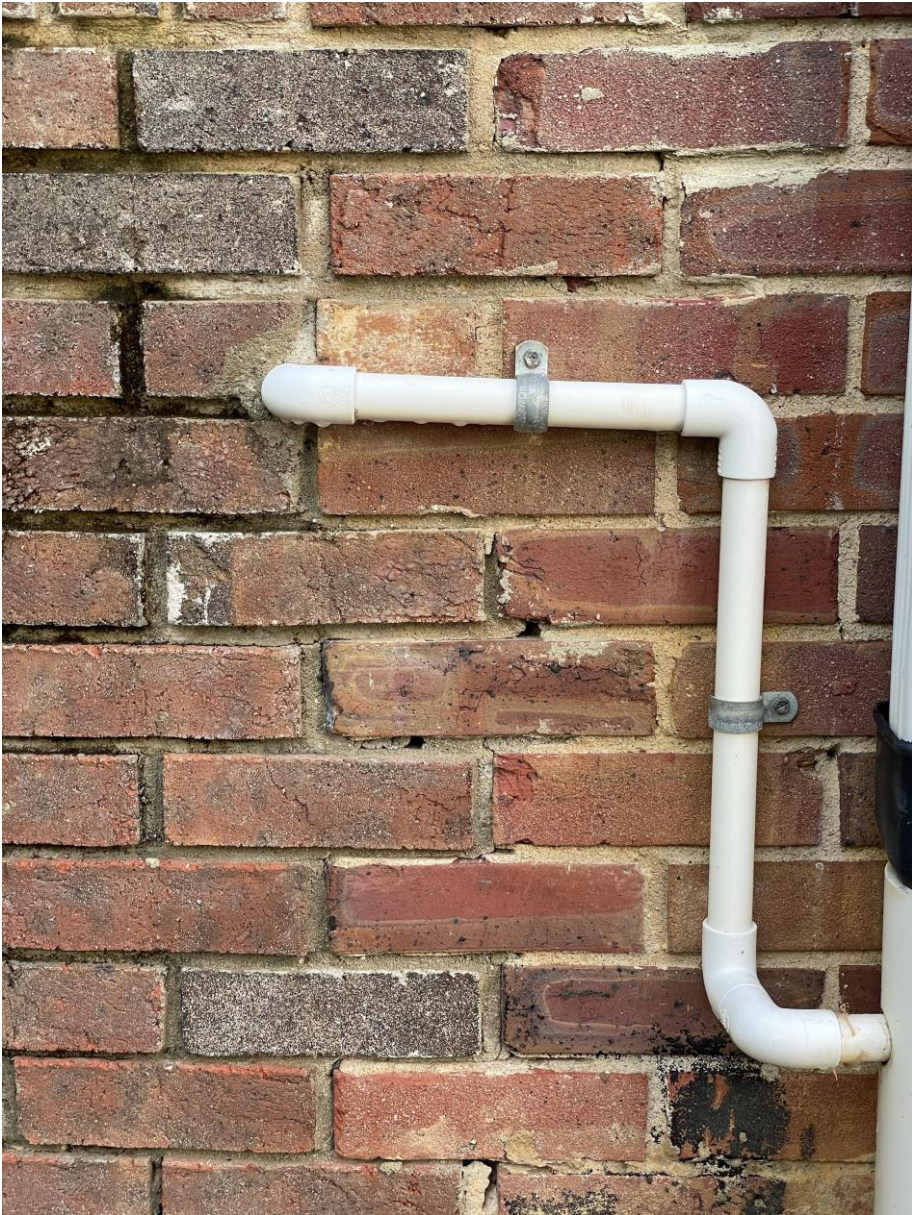
510 Hooper Lane

Existing Conditions Pictures - Part 4



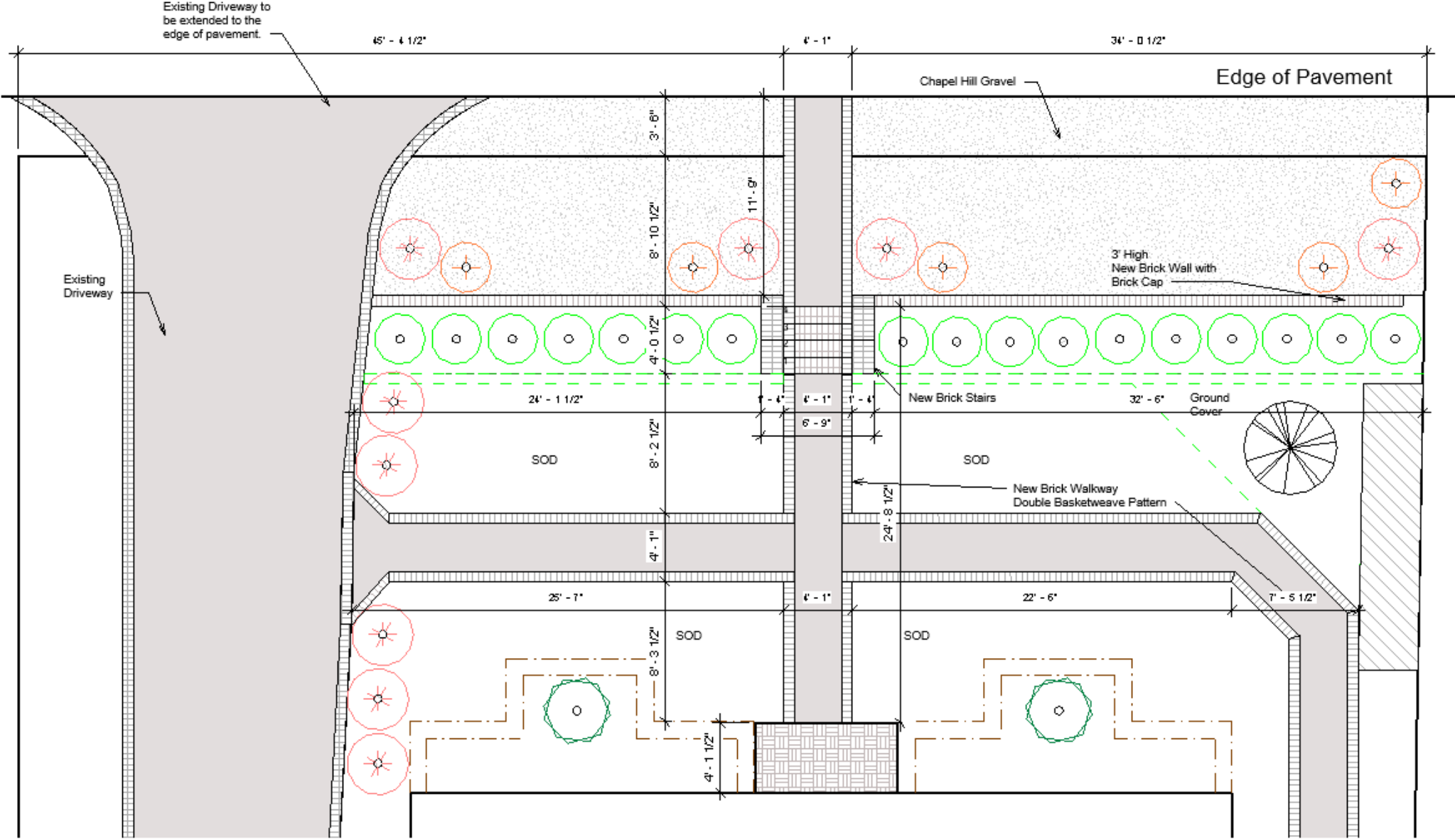
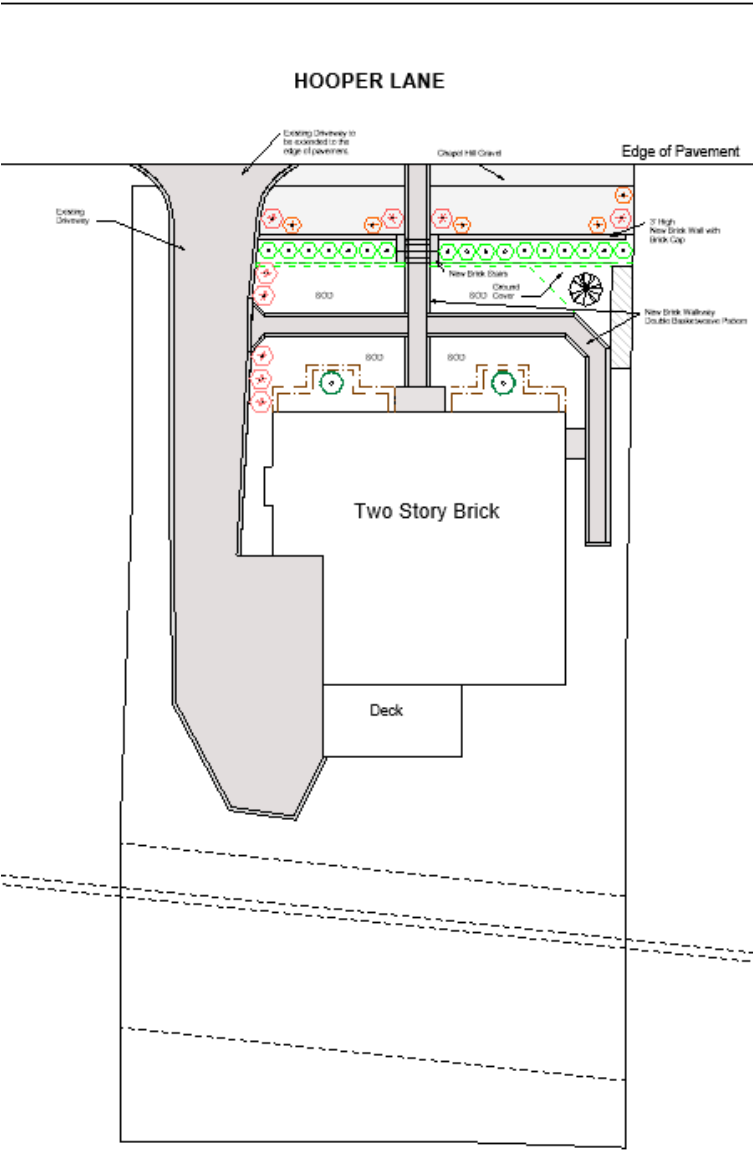
510 Hooper Lane

Existing Conditions Pictures - Part 5



510 Hooper Lane

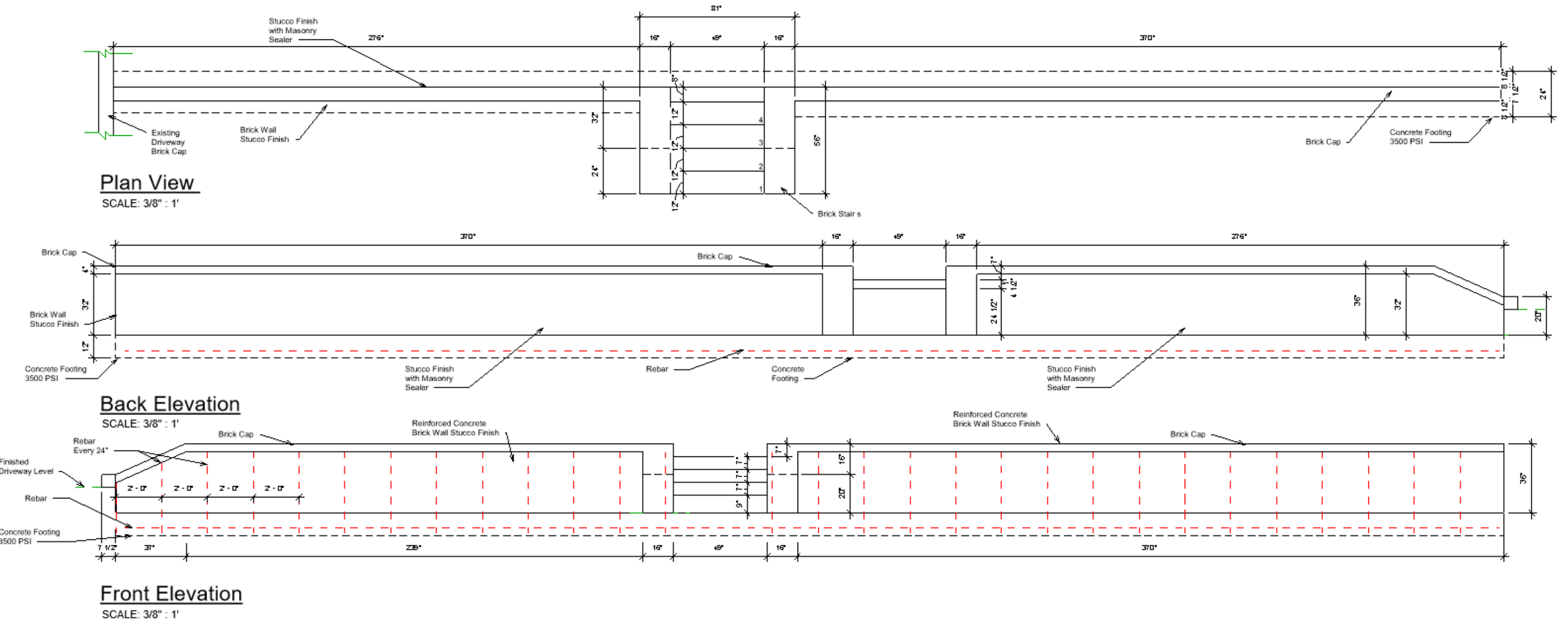
New Landscape Layout Plan - Site



Proposed New Landscape | 510 Hooper Lane, Chapel Hill, NC

510 Hooper Lane

New Brick wall & Brick Stairs Layout



510 Hooper Lane
New Brick wall & Brick Stairs – Execution Pictures



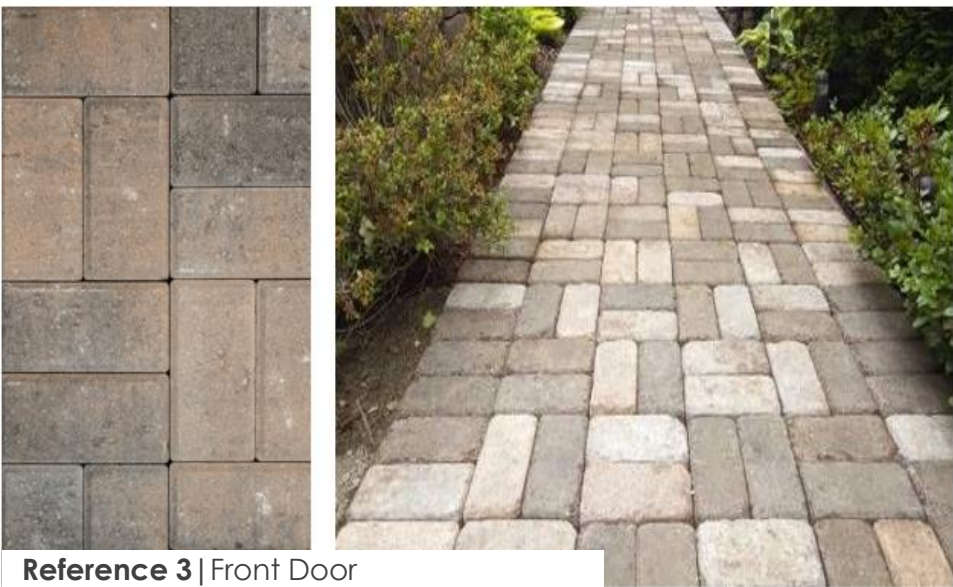
510 Hooper Lane
Perspectives



510 Hooper Lane
Materials and Finishes



Reference 1 | Chapel Hill Gravel



Reference 3 | Front Door



Reference 5 | Brick Stairs



Reference 6 | Lighting



Reference 2 | Copper Gutters



Reference 4 | Painted Brick wall



510 Hooper Lane

Perspectives & New Layout Plan

