

HOMESTEAD ROAD TOWNHOMES

CONSULTANT:



STEWART
101 WEST MAIN ST.
DURHAM, NC 27701
T 919.380.8750

FIRM LICENSE #: C-1051
www.stewartinc.com
PROJECT #: C22033

APPLICANT:

GS HOMESTEAD, LLC
121 S. ESTES DRIVE, SUITE 100
CHAPEL HILL, NC 2514

PARCEL INFORMATION:

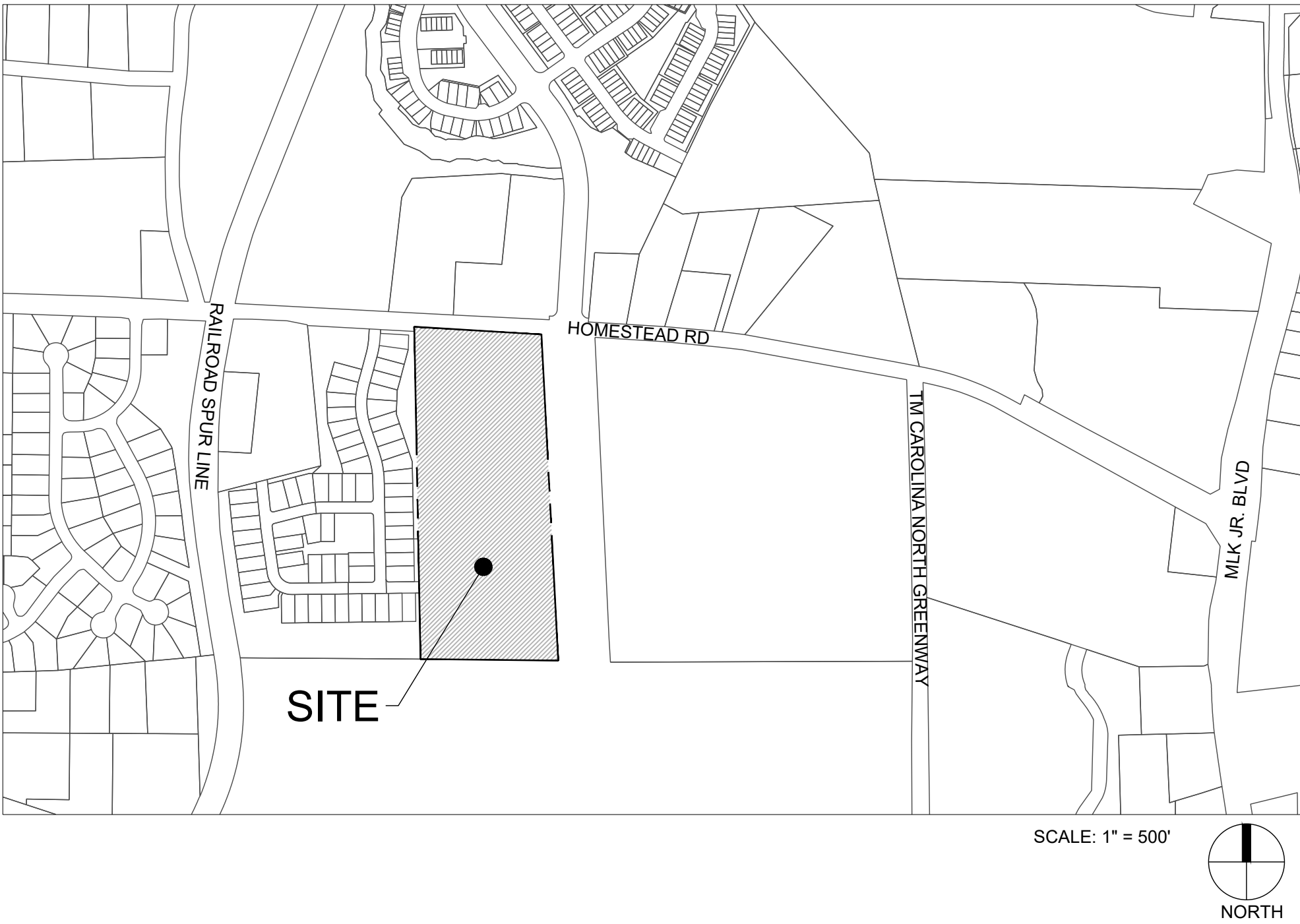
SITE DATA	
PROJECT NAME:	HOMESTEAD ROAD TOWNHOMES
SITE ADDRESS:	2217 HOMESTEAD ROAD
COUNTY:	ORANGE
PARCEL PIN #:	9870907642
PARCEL OWNER:	GS HOMESTEAD, LLC
TOTAL PARCEL AREA:	15.65
PROPOSED UNITS:	108 TOWNHOME (16 AFFORDABLE UNITS)
CURRENT ZONING:	R-5-CZD
PROPOSED ZONING:	R-5-CZD
EXISTING LAND USE:	RESIDENTIAL
PROPOSED LAND USE:	TOWNHOUSE DEVELOPMENT
FLOOD PLAIN DATA:	MAP NO. 3710987000K, PANEL EFFECTIVE 11/17/2017
WATERSHED:	JORDAN LAKE
RIVER BASIN:	CAPE FEAR
TREE CONSERVATION AREA::	30%
TOTAL LIMITS OF DISTURBANCE::	13.16 AC / 573,159 SF
EXISTING IMPERVIOUS AREA:	0.35 AC / 15,438 SF
PROPOSED IMPERVIOUS AREA:	6.48 AC / 282,274 SF
PARKING DATA:	
MINIMUM REQUIRED:	1.75 SPACE PER 3 BEDROOM = 189 SPACE
MAXIMUM ALLOWED:	2.25 SPACE PER 3 BEDROOM = 243 SPACE
PROVIDED:	2 SPACE PER UNIT = 216 SPACE 18 GUEST PARKING (2 ADA & 1 VAN) TOTAL: 234 SPACE
BICYCLE PARKING:	
REQUIRED:	1 SPACE PER 4 UNITS = 27 SPACE
PROVIDED:	4 SPACE (2 RACKS) IN NEIGHBORHOOD PARK; REST PROVIDED IN TOWNHOME UNITS

CONDITIONAL ZONING PERMIT

JUNE 24, 2022
2217 HOMESTEAD ROAD
CHAPEL HILL, NORTH CAROLINA
2ND RESUBMITTAL - OCTOBER 7, 2022

INDEX OF DRAWINGS	
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C3.00	SITE PLAN
C3.10	TRASH MANAGEMENT & FIRE APPARATUS PLAN
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C3.91	SITE DETAILS
C5.00	GRADING & STORM DRAINAGE PLAN
C6.00	UTILITY PLAN
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VICINITY MAP

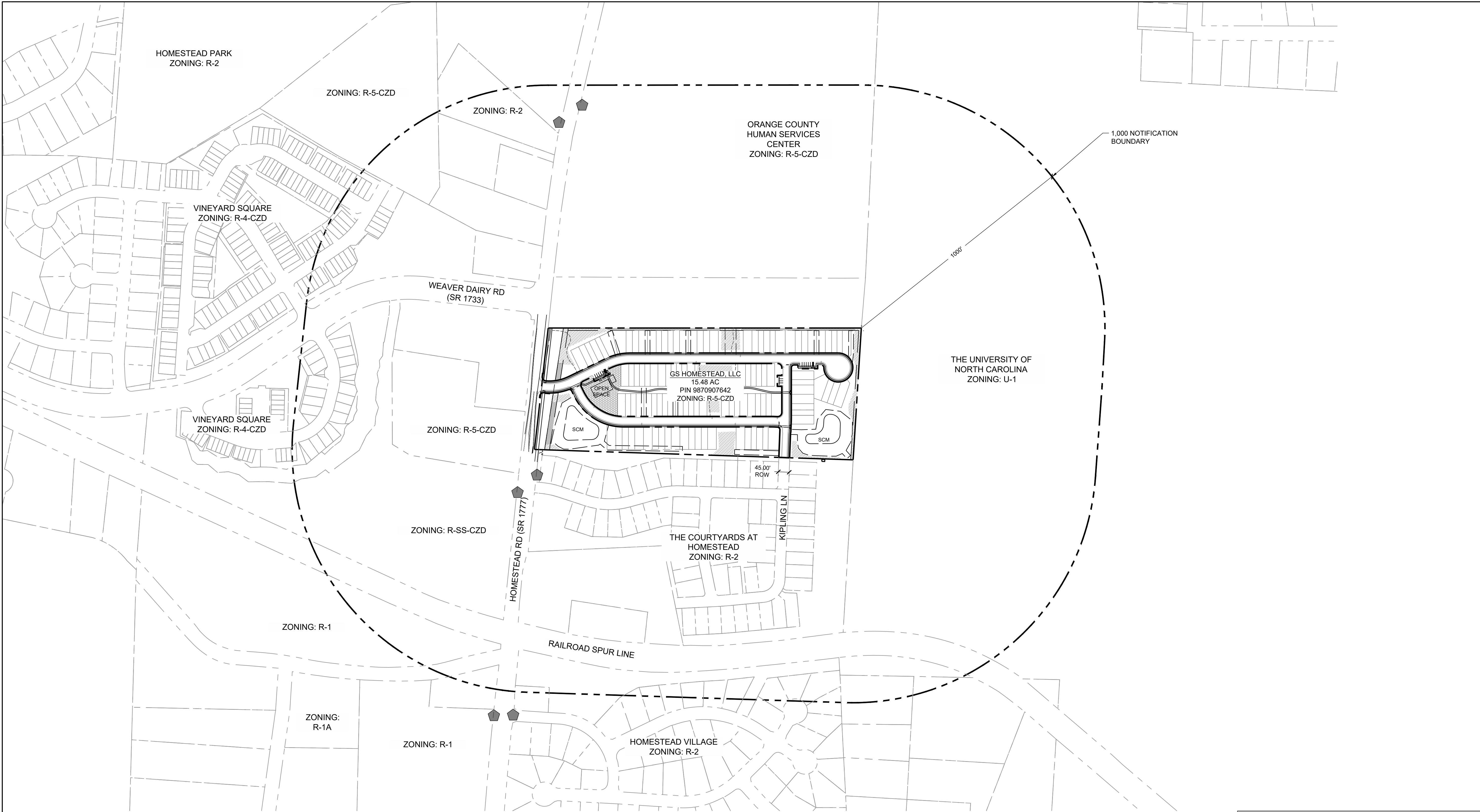


Sheet #:

C0.00

<div>GENERAL NOTES:</div> <div><div><div>1.</div><div>ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE OFFICE OF STATE CONSTRUCTION, DEPARTMENT OF INSURANCE, NCDENR, AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES. ALL UTILITY CONSTRUCTION SHALL COMPLY WITH APPLICABLE LOCAL JURISDICTIONAL STANDARDS AND SPECIFICATIONS.</div></div><div><div>2.</div><div>EXISTING SURVEY INFORMATION INCLUDING TOPOGRAPHIC INFORMATION PROVIDED BY STEWART, UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.</div></div><div><div>3.</div><div>THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, COORDINATING AND PAYMENT FOR ALL NECESSARY LOCATING SERVICES INCLUDING INDEPENDENT LOCATING SERVICES. THE CONTRACTOR SHALL PROVIDE NOTICE OF EXCAVATION TO NOTIFICATION CENTER AND FACILITY OWNERS (PER NC STATUTE) NO LESS THAN 3 BUSINESS DAYS AND NO MORE THAN 12 WORKING DAYS PRIOR TO BEGINNING DEMOLITION, EXCAVATION OR ANY OTHER FORM OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS. NO EXCAVATION OR DEMOLITION SHALL BE STARTED WITHOUT ALL UTILITIES BEING LOCATED.</div></div><div><div>4.</div><div>ALL SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION GATHERED FROM FIELD INSPECTION AND/OR ANY OTHER APPLICABLE RECORD DRAWINGS WHICH MAY BE AVAILABLE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.</div></div><div><div>5.</div><div>EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.</div></div><div><div>6.</div><div>THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING PERMITS, INSPECTIONS, CERTIFICATIONS AND OTHER REQUIREMENTS WHICH MUST BE MET UNDER THIS CONTRACT.</div></div><div><div>7.</div><div>THE CONTRACTOR SHALL MAINTAIN "AS-BUILT" DRAWINGS TO RECORD THE ACTUAL LOCATION OF ALL PIPING PRIOR TO CONCEALMENT, VALVE AND MANHOLE CHANGES, AND HARDSCAPE OR LANDSCAPE CHANGES. DRAWINGS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT REGULAR INTERVALS, OR AS REQUESTED THROUGHOUT THE PROJECT FOR RECORD KEEPING.</div></div><div><div>8.</div><div>IF DEPARTURES FROM THE PROJECT DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THERE OF SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.</div></div><div><div>9.</div><div>THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING UTILITY LINES REQUIRED TO COMPLETE ANY PORTION OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION AND COSTS OF THE RELOCATION AND ASSOCIATED WORK.</div></div><div><div>10.</div><div>THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH CAUSED BY THE CONTRACTOR. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON A DAILY BASIS.</div></div><div><div>11.</div><div>THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.</div></div><div><div>12.</div><div>ROADWAYS (TEMPORARY OR PERMANENT) MUST BE CAPABLE OF SUPPORTING FIRE FIGHTING APPARATUS (85,000 LBS) DURING ALL PHASES OF CONSTRUCTION ONCE VERTICAL CONSTRUCTION HAS BEGUN.</div></div></div>	<div>SITE NOTES:</div> <div><div><div>1.</div><div>THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE CONSTRUCTION LAYDOWN AREA, PERIMETER FENCE, AND ASSOCIATED GATES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF THE CONSTRUCTION LAYDOWN AREA PERIMETER FENCE AND ASSOCIATED GATES AT THE COMPLETION OF THE PROJECT.</div></div><div><div>2.</div><div>THE CONTRACTOR SHALL REFERENCE THE DESIGN PLANS FOR DIMENSIONS, JOINT LOCATIONS, AND INLAY SPECIFICATIONS NEAR BUILDINGS AND IN COURTYARDS. CONTRACTOR SHALL PROVIDE JOINTS IN WALKWAYS AND HARDSCAPE PER DETAILS OR AS INDICATED ON LANDSCAPE/HARDSCAPE PLAN SHEETS.</div></div><div><div>3.</div><div>REFER TO ARCHITECTURAL PLANS FOR BUILDING INFORMATION.</div></div><div><div>4.</div><div>ALL DIMENSIONS ARE IN DECIMAL FEET TO OUTSIDE FACE OF BUILDINGS, TO CENTERLINES, AND/OR FACE OF CURB UNLESS OTHERWISE NOTED.</div></div><div><div>5.</div><div>THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO ANY CONSTRUCTION.</div></div><div><div>6.</div><div>ALL WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE FROM DRAWINGS.</div></div><div><div>7.</div><div>ALL UTILITIES WITH SURFACE ACCESS SHALL BE LOCATED WITHIN THE PAVING PATTERN AND SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. REFER TO LAYOUT DRAWINGS.</div></div><div><div>8.</div><div>ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.</div></div><div><div>9.</div><div>ALIGN ALL JOINTS, CORNERS, AND EDGES AS SHOWN</div></div><div><div>10.</div><div>CONTRACTOR SHALL REFER TO AND COORDINATE WITH ARCHITECTURAL, STRUCTURAL, AND MEP DRAWINGS AT ALL TIMES PRIOR TO AND DURING CONSTRUCTION.</div></div><div><div>11.</div><div>ALL CURB TAPERS ARE SIX (6') FEET LONG UNLESS OTHERWISE SHOWN ON PLAN.</div></div><div><div>12.</div><div>WHERE NEW SIDEWALK ADJOINS EXISTING WALK, PROVIDE EXPANSION JOINT BY DRILLING INTO THE FACE OF THE EXISTING WALK FOR PLACEMENT OF DOWELS. THE NEW SIDEWALKS INTO NEAREST EXISTING PAVEMENT JOINT; MATCH WIDTH OF EXISTING WALKWAY.</div></div><div><div>13.</div><div>WHERE SIDEWALK OR WALKWAYS ARE ADJACENT TO PARKING SPACES THE WALKWAY SHALL BE A MINIMUM 6.5' WIDE AS MEASURED FROM THE FACE OF CURB.</div></div><div><div>14.</div><div>MAXIMUM RUNNING SLOPE FOR WALKING SURFACES CANNOT BE GREATER THAN 1:20 AND CROSS SLOPES CANNOT BE GREATER THAN 1:48. HANDICAP SPACES SURFACE SLOPES SHALL NOT EXCEED 1:48 IN ALL DIRECTIONS.</div></div><div><div>15.</div><div>SIGHT TRIANGLES - NOTHING OVER 30" HIGH SHALL BE ALLOWED WITHIN THE SIGHT DISTANCE TRIANGLES.</div></div><div><div>16.</div><div>THE SITE SHALL BE FULLY STABILIZED (90% COVERAGE) PRIOR TO ISSUANCE OF A BUILDING CERTIFICATE OF OCCUPANCY OR PROJECT APPROVAL</div></div><div><div>17.</div><div>HANDICAP RAMPS SHALL BE INSTALLED PER THE PLANS AND SPECIFICATIONS AND THE NC BUILDING CODE. A MAXIMUM SLOPE OF 1/12 FOR 6-FEET AND A MAXIMUM CROSS SLOPE OF 1:48 SHALL BE PROVIDED. IF EXISTING CONDITIONS PRECLUDE THIS REQUIREMENT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION</div></div><div><div>18.</div><div>THE TESTING AGENCY SHALL BE RESPONSIBLE FOR PROVIDING THE ASPHALT AND CONTRACTOR CERTIFICATION MEMO TO NCDOT FOR ALL ROADWAY IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY.</div></div></div>	<div>UTILITY NOTES:</div> <div><div><div>1.</div><div>UNLESS OTHERWISE NOTED, ALL MANHOLES SHALL BE PRE-CAST CONCRETE STRUCTURES.</div></div><div><div>2.</div><div>THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF UNDERGROUND UTILITIES (WATER, SEWER, STORM, ELECTRICAL, GAS, OR OTHER) FOR THIS PROJECT WITH THE BUILDING PLANS. THE UTILITY CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION OF ALL UTILITY SERVICES TO WITHIN FIVE (5) FEET OF THE BUILDING CONNECTION POINT.</div></div><div><div>3.</div><div>THE CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON SITE AND UTILITY PROVIDERS DURING CONSTRUCTION TO ENSURE SMOOTH TRANSITION BETWEEN DISCIPLINES.</div></div><div><div>4.</div><div>THE CONTRACTOR SHALL COORDINATE ALL PEDESTRIAN AND VEHICULAR INTERRUPTIONS WITH OWNER'S REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.</div></div><div><div>5.</div><div>THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INSIDE THE PUBLIC RIGHT OF WAY PRIOR TO RECEIPT AND COMPLIANCE WITH ALL APPLICABLE NCDOT PERMITS. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FLAGGERS AND TRAFFIC CONTROL DURING ALL WORK INSIDE THE PUBLIC RIGHTS OF WAY.</div></div><div><div>6.</div><div>THE CONTRACTOR SHALL NOT RE-USE ANY FIRE HYDRANT REMOVED AS PART OF THIS PROJECT. ANY FIRE HYDRANT SHOWN TO BE REMOVED OR RELOCATED SHALL BE REPLACED WITH A NEW FIRE HYDRANT MEETING THE LOCAL JURISDICTIONAL REQUIREMENTS AND STANDARDS.</div></div><div><div>7.</div><div>ALL EXISTING SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION GATHERED FROM FIELD INSPECTION AND/OR ANY OTHER APPLICABLE RECORD DRAWINGS WHICH MAY BE AVAILABLE. DEPTHS OF EXISTING UTILITIES SHOWN IN PROFILE VIEWS ARE BASED ON STANDARD ASSUMPTIONS. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION, DEPTH, SIZE AND MATERIAL OF ANY AND ALL SUB-SURFACE CONDITIONS REFERENCED IN THESE PLANS PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.</div></div><div><div>8.</div><div>ELEVATIONS OF UTILITIES ARE GIVEN TO THE EXTENT OF INFORMATION AVAILABLE, WHERE ELEVATIONS ARE NOT GIVEN AT POINTS OF EXISTING UTILITY CROSSINGS, SUCH ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND REPORTED TO THE ENGINEER, WHEN UNKNOWN LINES ARE EXPOSED, THEIR LOCATIONS AND ELEVATIONS SHALL ALSO BE REPORTED TO THE ENGINEER.</div></div><div><div>9.</div><div>UNDERGROUND UTILITIES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OF PARKING AREA, DRIVES, CURB AND GUTTER OR CONCRETE WALKS / PADS. IF UTILITIES SHOWN ON THIS PLAN CANNOT BE INSTALLED PRIOR TO INSTALLATION OF IMPERVIOUS (ASPHALT / CONCRETE) CONDUIT SHALL BE INSTALLED FOR THE "FUTURE" UTILITY INSTALLATION.</div></div><div><div>10.</div><div>AS-BUILT DOCUMENTATION REQUIREMENTS: PRIOR TO APPROVAL FROM LOCAL JURISDICTION OR ENGINEER THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS (IN BOTH PAPER AND ELECTRONIC FORMAT (CAD / PDF) PREPARED AND SEALED BY A PROFESSIONAL LAND SURVEYOR SHOWING ALL UTILITY INSTALLATION. HORIZONTAL AND VERTICAL INFORMATION SHALL BE PROVIDED FOR WATER, SEWER, STORM INCLUDING ALL STRUCTURES, VALVES, HYDRANTS, AND OTHER APPURTENANCES.</div></div></div>	<div>MATERIALS AND FURNISHINGS NOTES:</div> <div><div><div>1.</div><div>ABBREVIATIONS FOR SPECIFIC HARDSCAPE MATERIALS AND FURNISHINGS ARE LISTED IN THE LEGEND AND ARE USED THROUGHOUT THE DRAWING SET'S HARDSCAPE & FURNISHINGS PLANS, PAVING PATTERN PLANS AND SITE DETAILS.</div></div><div><div>2.</div><div>REFER TO RELATED SPECIFICATION SECTION FOR SPECIFIC SUBMITTALS OF PRODUCT DATA, SAMPLES, SHOP DRAWINGS, QUALITY ASSURANCE REQUIREMENTS, EXECUTION REQUIREMENTS, AND FOR FURTHER PRODUCT INFORMATION NOT INCLUDED IN THIS SCHEDULE</div></div><div><div>3.</div><div>CONTRACTOR TO SUBMIT COLOR SAMPLES AND PROVIDE MOCK-UPS FOR ALL CAST IN PLACE CONCRETE FOR APPROVAL BY LANDSCAPE ARCHITECT.</div></div></div>	<div>PAVING PATTERN NOTES:</div> <div><div><div>1.</div><div>END ALL UNIT PAVING PATTERNS WITH A FULL OR HALF SIZE PAYER UNLESS OTHERWISE NOTED. USE OVERSIZE PAVERS WHERE PATTERN ENDS ON A UNIT SMALLER THAN HALF SIZE.</div></div><div><div>2.</div><div>LAYOUT OF UNIT PAVING PATTERNS AND CONCRETE JOINTS AS INDICATED ON THIS PLAN. REFERENCE LAYOUT PLANS FOR FURTHER PAVING LAYOUT INFORMATION.</div></div><div><div>3.</div><div>PAVERS ABUTTING TRUNCATED DOMES SHALL BE A CONTRASTING COLOR.</div></div><div><div>4.</div><div>ALIGN ALL TRUNCATED DOME PAVESR JOINTS WITH ABUTTING PAVESR JOINTS.</div></div><div><div>5.</div><div>PROVIDE CONTINUOUS EXPANSION JOINTS BETWEEN BACK OF CURB AND ADJOINING PAVEMENT.</div></div><div><div>6.</div><div>PROVIDE CONTINUOUS EXPANSION JOINT BETWEEN ALL VERTICAL SURFACES AND ADJOINING PAVEMENT.</div></div><div><div>7.</div><div>ALL DIMENSIONS MEASURED TO CENTERLINE OF JOINTS.</div></div><div><div>8.</div><div>ALL WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE FROM DRAWINGS.</div></div><div><div>9.</div><div>ALL ANGLES 90 DEGREES UNLESS OTHERWISE NOTED.</div></div><div><div>10.</div><div>ALIGN ALL JOINTS, CORNERS AND EDGES AS SHOWN.</div></div><div><div>11.</div><div>FINAL LAYOUTS TO BE APPROVED BY LANDSCAPE ARCHITECT.</div></div></div>	<div>SIGNAGE, STRIPING AND MARKING NOTES:</div> <div><div><div>1.</div><div>ALL INTERNAL SIGNAGE SHALL BE COORDINATED WITH OWNER FOR ACTUAL LOCATION AT TIME OF INSTALLATION. SIGNAGE LEADING ONTO PUBLIC THOROUGHFARE SHALL BE INSTALLED AT RIGHT OF WAY PER DOT STANDARDS</div></div><div><div>2.</div><div>ALL PAVEMENT STRIPING (EXCEPT INDIVIDUAL PARKING BAY STRIPING) SHALL BE THERMOPLASTIC REFLECTIVE PAINT. MATERIALS AND DIMENSIONS SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATIONS. PARKING BAY STRIPING SHALL BE WHITE REFLECTIVE PAINT.</div></div><div><div>3.</div><div>CROSSWALKS SHALL BE CONSTRUCTED OF THERMOPLASTIC MATERIALS AND CONSTRUCTED IN ACCORDANCE WITH STATE DOT SPECIFICATIONS. CONTRACTOR TO INSTALL CROSSWALKS IN SUCH A MANNER THAT CROSSWALKS ARE ALIGNED BETWEEN HANDICAP/WALKWAY ACCESS POINTS OR PERPENDICULAR TO THE ROADWAY / DRIVE LANE.</div></div><div><div>4.</div><div>ADA SYMBOLS SHOWN THESE DRAWINGS ARE FOR LOCATION PURPOSES ONLY AND NOT INTENDED TO BE PAINTED. CONTRACTOR RESPONSIBLE FOR INSTALLING ALL REQUIRED ADA SIGNAGE</div></div></div>	<div>LANDSCAPE NOTES:</div> <div><div><div>1.</div><div>VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES OR INACCURACIES IN THE PLANS TO THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.</div></div><div><div>2.</div><div>LANDSCAPE WORK SHALL INCLUDE THE FURNISHING, INSTALLATION, AND WARRANTY OF ALL PLANTING MATERIALS WITHIN THE PROJECT AREA.</div></div><div><div>3.</div><div>THE LANDSCAPE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL EXISTING AND NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION FOR PLANTING. DAMAGES TO UTILITIES CAUSED BY THE LANDSCAPE OPERATION SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR AT NO</div></div></div>
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L:\Projects\2022\C22033 - Homestead Road Townhomes\DWGS\1-SUP\3-Sheets\C22033-C0 20 Area Map.dwg Oct 07, 2022 - 9:26am



LEGEND:	
SYMBOL	DESCRIPTION
	1000' BOUNDARY LINE
	OPEN SPACE
	TREE REPLACEMENT AREA
	TREE SAVE AREA
	BUS STOP



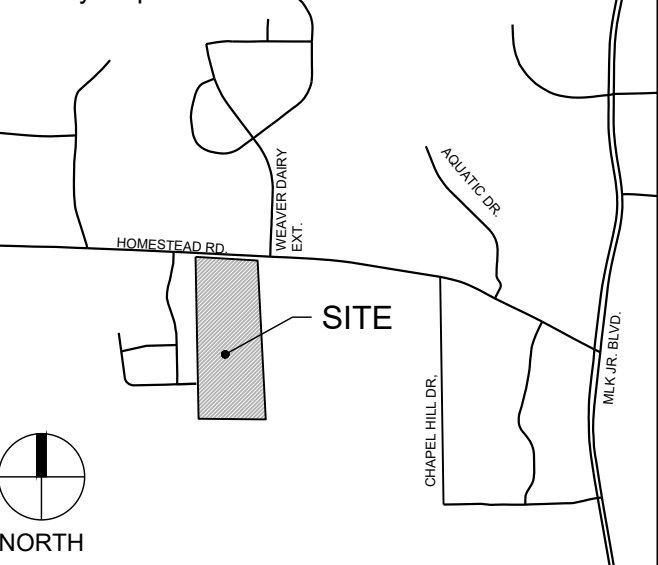
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CHAPEL HILL, NC 27514
PHONE: 919.489.9000
EMAIL: RICHARD@GURLITZARCHITECTS.COM

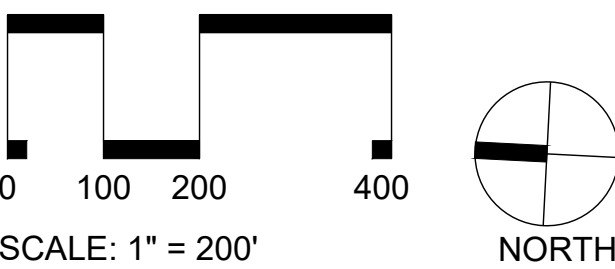
Vicinity map:



Seal:

PRELIMINARY - DO NOT
USE FOR CONSTRUCTION

Scale:



Project:

**HOMESTEAD
ROAD
TOWNHOMES**

Issued for:

**CONDITIONAL ZONING
PERMIT**

No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

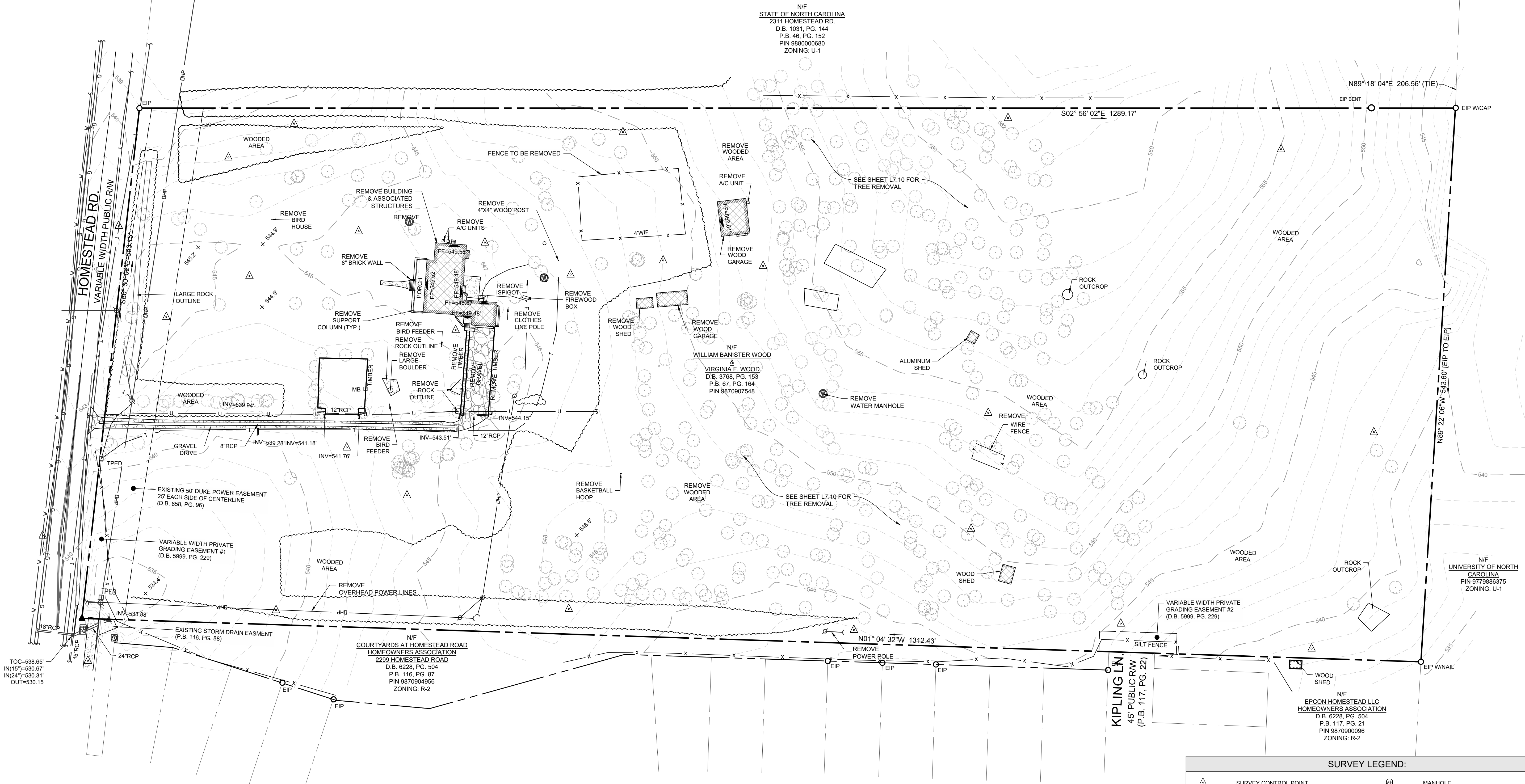
Title:

AREA MAP

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: HNJ
Approved by: TS

C0.20

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N/F
STATE OF NORTH CAROLINA
2311 HOMESTEAD RD.
D.B. 1031, PG. 144
P.B. 48, PG. 152
PIN 988000680
ZONING: U-1

N/F
WILLIAM BANISTER WOOD
&
VIRGINIA F. WOOD
D.B. 3768, PG. 153
P.B. 67, PG. 164
PIN 9870907548

N/F
COURTYARDS AT HOMESTEAD ROAD
HOMEOWNERS ASSOCIATION
2299 HOMESTEAD ROAD
D.B. 1228, PG. 504
P.B. 116, PG. 87
PIN 9870904956
ZONING: R-2

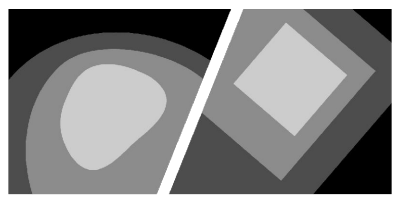
N/F
EPCON HOMESTEAD LLC
HOMEOWNERS ASSOCIATION
D.B. 6228, PG. 504
P.B. 117, PG. 21
PIN 9870900096
ZONING: R-2

N/F
UNIVERSITY OF NORTH
CAROLINA
PIN 97736885375
ZONING: U-1

NOTES:
1. SEE SHEET C0.10 FOR GENERAL AND EXISTING CONDITIONS NOTES.

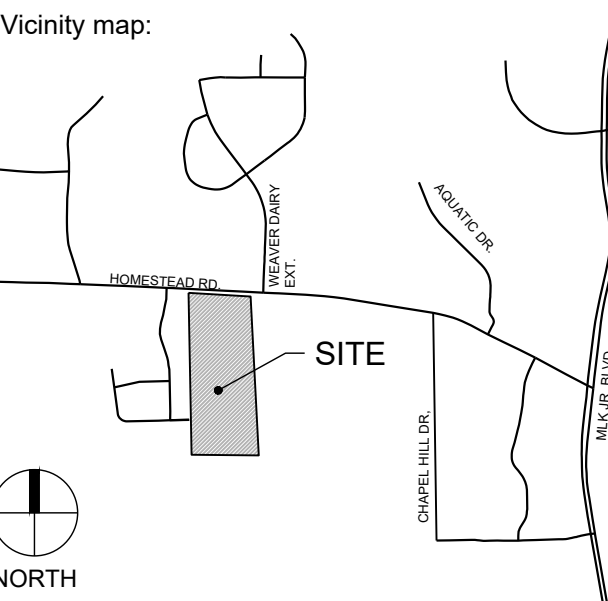
DEMOLITION LEGEND:	
SYMBOL	DESCRIPTION
	REMOVE BUILDING
	REMOVE GRAVEL
	REMOVE TREE (SEE SHEET L7.10 FOR REMOVAL)
	REMOVE ROCK OUTCROP

SURVEY LEGEND:			
	SURVEY CONTROL POINT		MANHOLE
	EXISTING IRON PIPE		TRAFFIC SIGNAL BOX
	EXISTING CONCRETE MONUMENT		TRAFFIC SIGNAL POST
	COMPUTED POINT		MONITORING WELL
	STORM DRAIN MANHOLE		BORING LOCATION
	STORM DRAIN CURB INLET		BOLLARD
	SANITARY SEWER MANHOLE		SIGN
	SANITARY SEWER CLEANOUT		FINISHED FLOOR ELEVATION
	SANITARY FORCEMAIN VALVE		DECIDUOUS TREE
	HYDRANT		EVERGREEN TREE
	WATER VALVE		BUSH
	WATER METER		WIRE FENCE
	WATER MANHOLE		CHAIN LINK FENCE
	WATER VAULT		UNDERGROUND TELEPHONE LINE
	GAS VALVE		UNDERGROUND FIBER OPTIC LINE
	GAS METER		UNDERGROUND GAS LINE
	TELEPHONE MANHOLE		UNDERGROUND ELECTRIC LINE
	TELEPHONE PEDESTAL		UNDERGROUND WATER LINE
	TV MANHOLE		SANITARY SEWER LINE
	TV PEDESTAL		STORM DRAIN LINE
	FIBER OPTIC WITNESS POST		OVERHEAD WIRES
	FIBER OPTIC BOX		UNIDENTIFIED LINE
	ELECTRIC MANHOLE		UNKNOWN DESTINATION
	ELECTRIC METER		CONCRETE SURFACE
	ELECTRIC BOX		DUCTILE IRON PIPE
	UTILITY POLE		PVC
	GUY POLE		POLYVINYL CHLORIDE PIPE
	GUY WIRE		HDPE
	LIGHT POLE		HIGH-DENSITY POLYETHYLENE PIPE
			RCP
			REINFORCED CONCRETE PIPE
			CMP
			CORRUGATED METAL PIPE
			CB
			CATCH BASIN

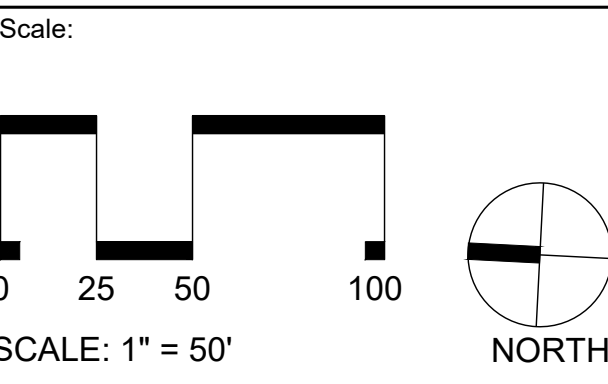


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Client:
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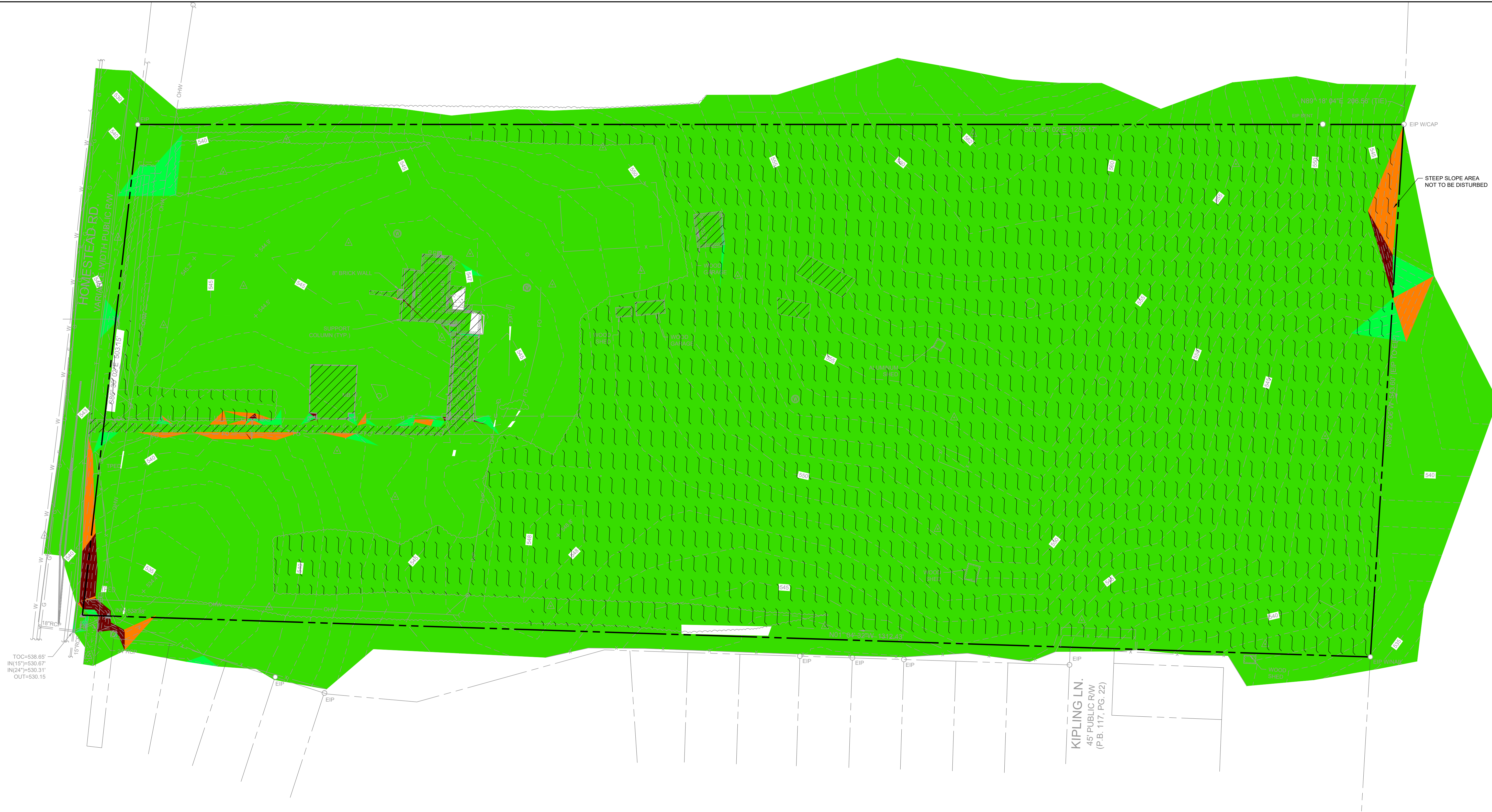
CONDITIONAL ZONING PERMIT



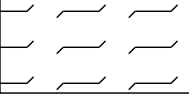
No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

EXISTING CONDITIONS & DEMOLITION PLAN





Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: HNJ
Approved by: TS
C1.00

L:\Projects\2022\CC2033 - Homestead Road Townhomes\DWGS\1-SUP\3-Sheets\CC2033-C1.10 Steep Slopes Plan.dwg Oct 07, 2022 - 9:26am



-  EXISTING IMPERVIOUS
-  OPEN SPACE
-  EXISTING FOREST

NOTE: ALL SLOPES GREATER THAN 15% ON THIS SITE ARE RELATED TO DRIVEWAYS OR ROADS AND THEREFORE NOT SUBJECT TO STEEP SLOPE CLASSIFICATION.

Slopes Table		
Minimum Slope	Maximum Slope	Color
0.00%	10.00%	
10.00%	15.00%	
15.00%	25.00%	
25.00%	100.00%	

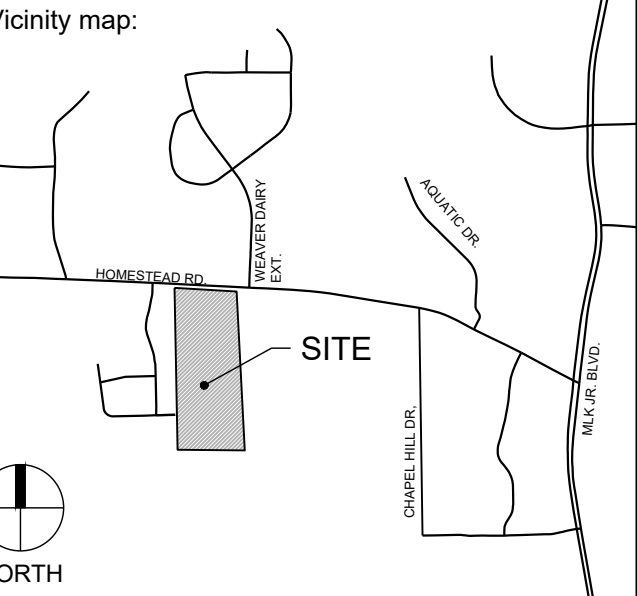


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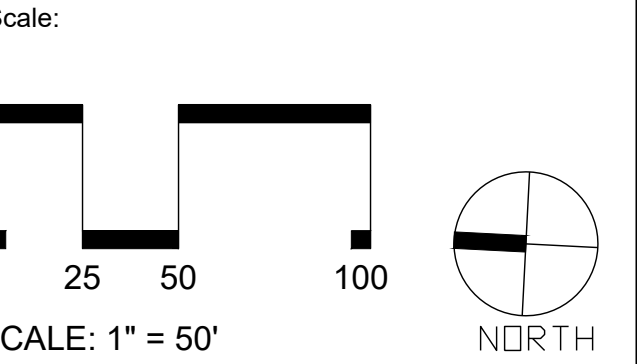
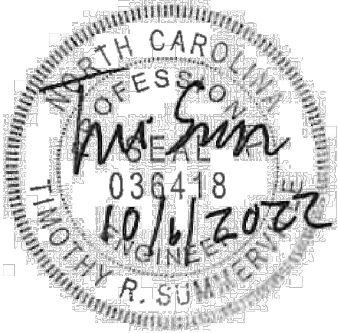
101 WEST MAIN ST.
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T 919.380.8750

FIRM LICENSE # C-1051
www.stewartinc.com
PROJECT # C22033

Client:
GS HOMESTEAD, LLC
121 S. ESTES DRIVE, SUITE 100
CHAPEL HILL, NC 27514
PHONE: 919.489.9000
EMAIL: RICHARD@GURLITZARCHITECTS.COM



Seal:
PRELIMINARY - DO NOT
USE FOR CONSTRUCTION



Project:
**HOMESTEAD
ROAD
TOWNHOMES**

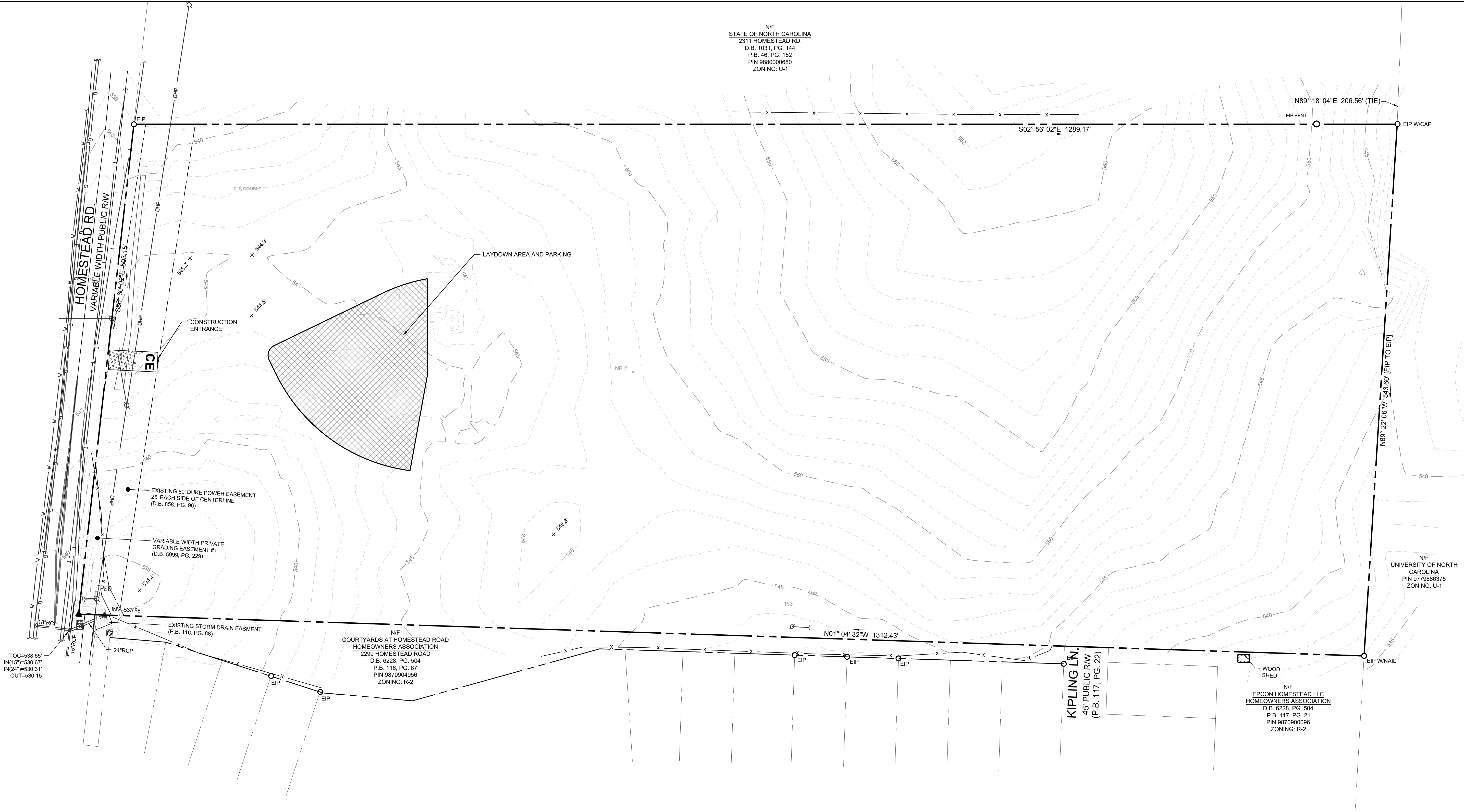
Issued for:
**CONDITIONAL ZONING
PERMIT**

No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

Title:
**STEEP SLOPE
ANALYSIS**

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: SM
Approved by: TS **C1.10**

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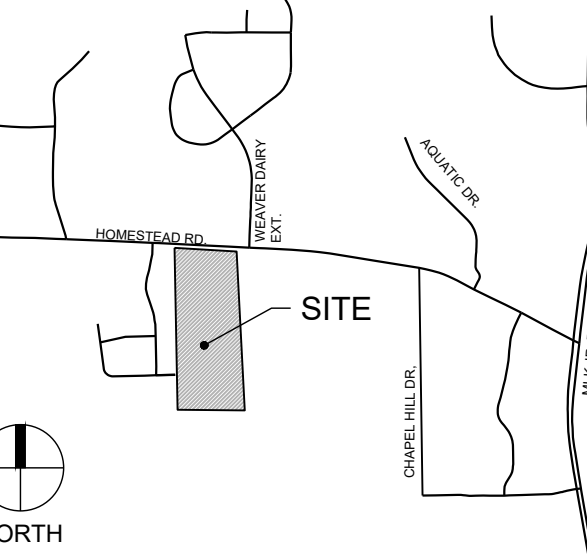
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Vicinity map:



Seal:

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USE FOR CONSTRUCTION



Scale:

0 25 50 100

SCALE: 1" = 50'

NORTH

Project:

HOMESTEAD
ROAD
TOWNHOMES

Issued for:

CONDITIONAL ZONING
PERMIT

No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

Title:

CONSTRUCTION
MANAGEMENT PLAN

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: HNJ
Approved by: TS

C1.20



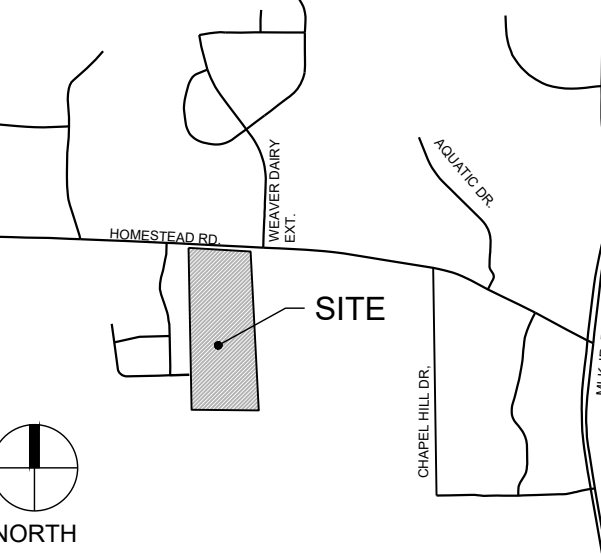
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PHONE: 919.489.9000
EMAIL: RICHARD@GURLITZARCHITECTS.COM

Vicinity map:



Seal:
PRELIMINARY - DO NOT
USE FOR CONSTRUCTION



Scale:
0 25 50 100
SCALE: 1" = 50'
NORTH

HOMESTEAD ROAD TOWNHOMES

Issued for: CONDITIONAL ZONING PERMIT

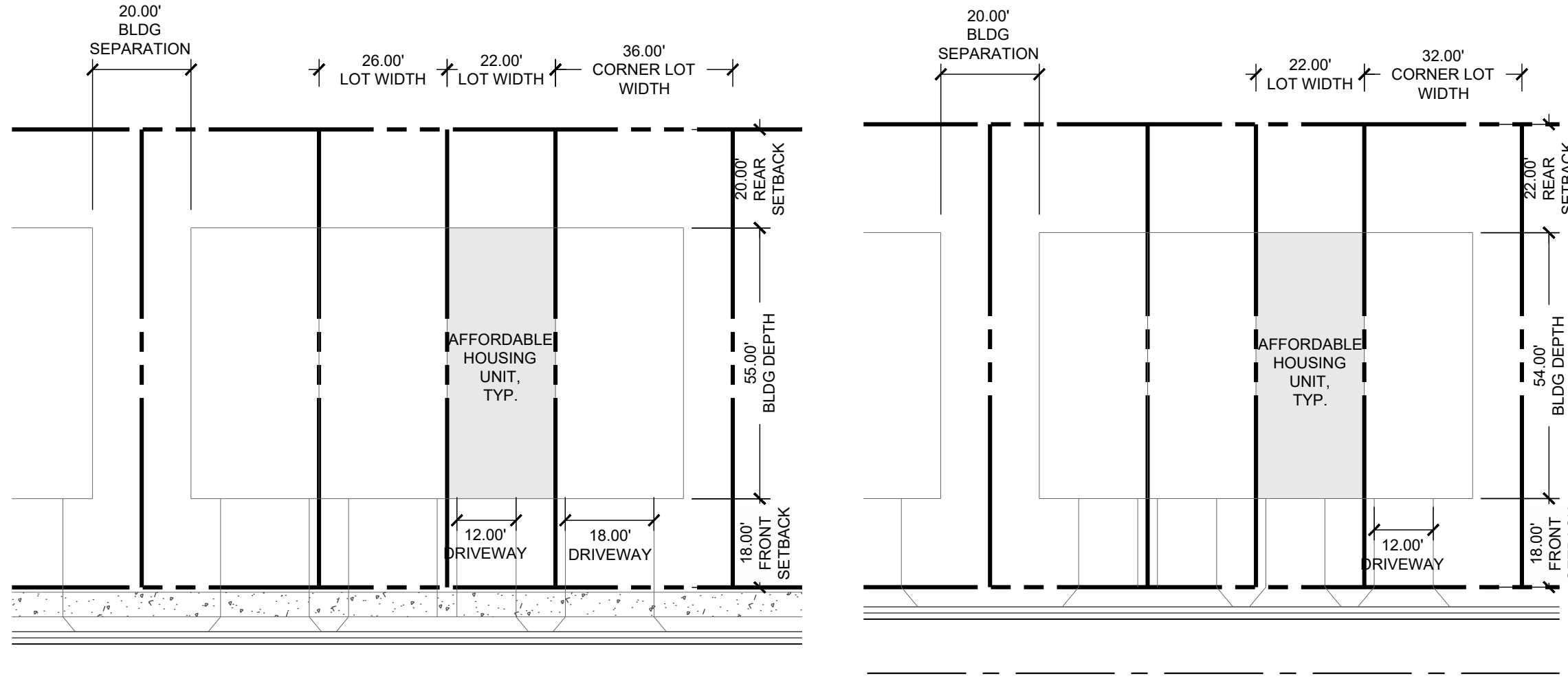
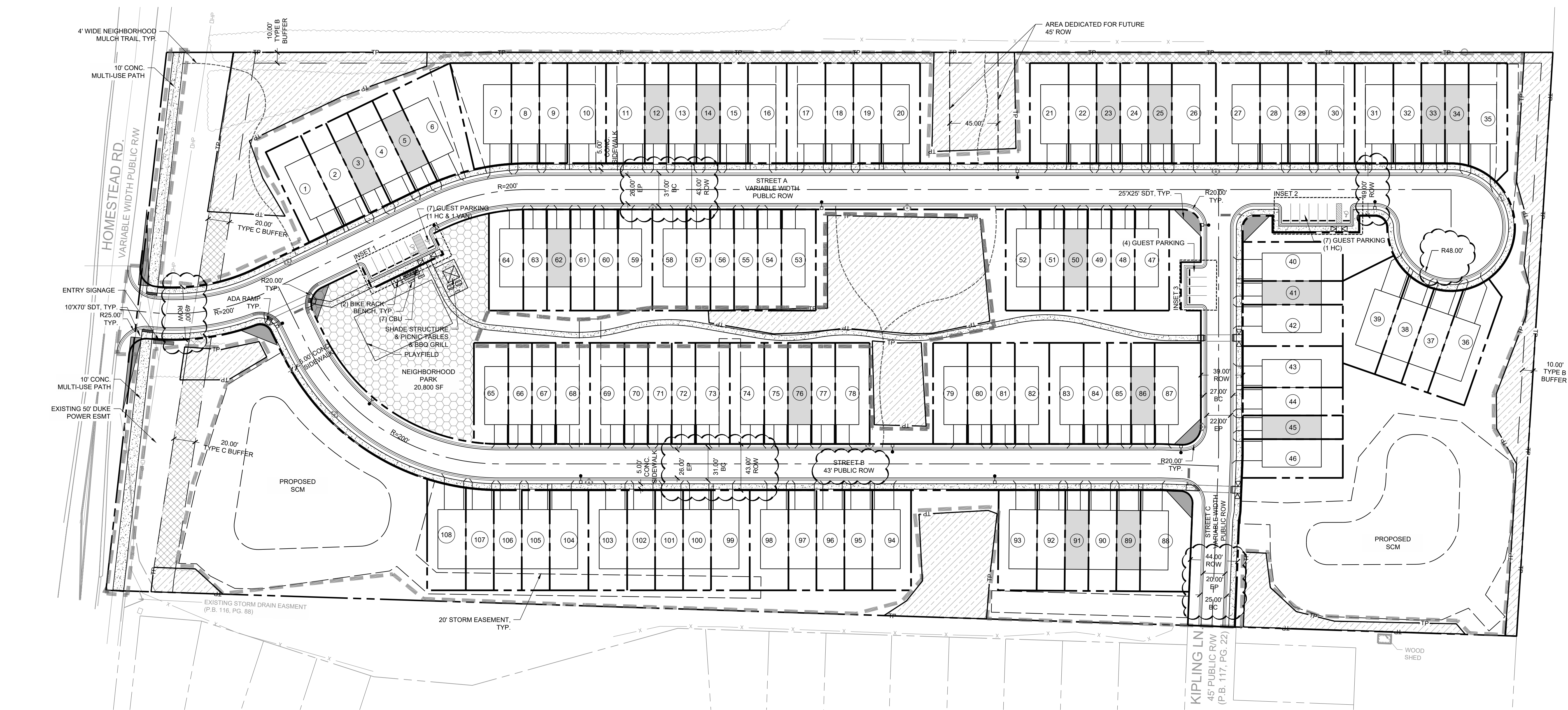
No.	Date	Description
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2	10/07/2022	2ND RESUBMITTAL

Title:

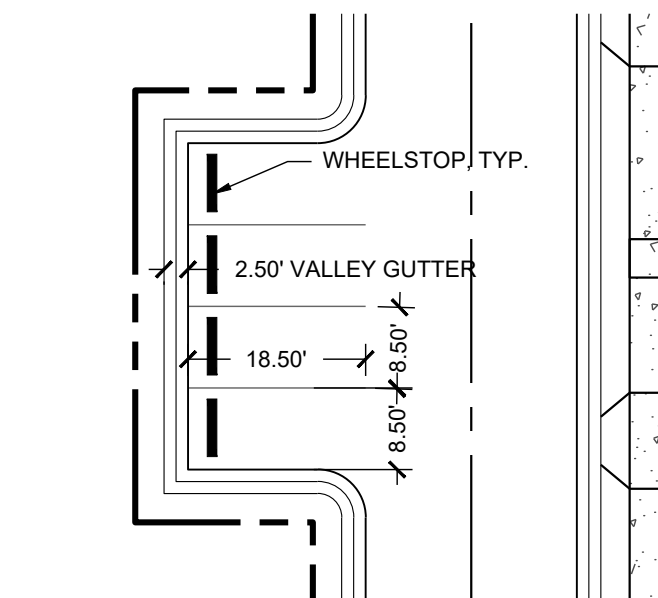
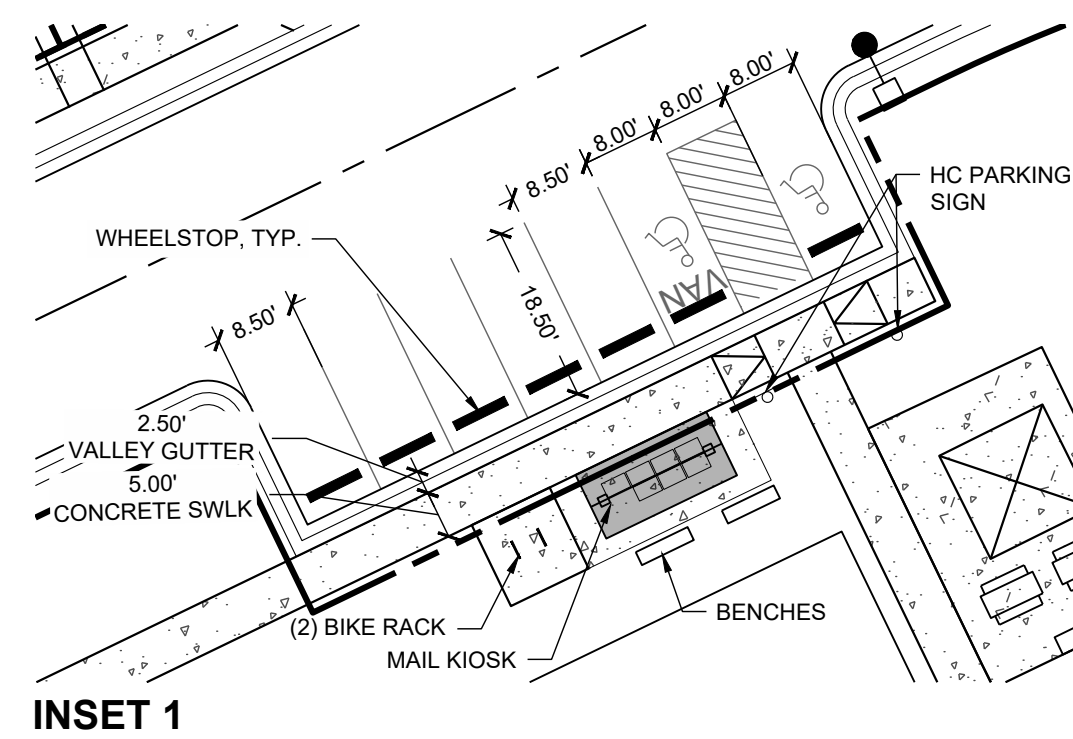
SITE PLAN

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: SM
Approved by: TS

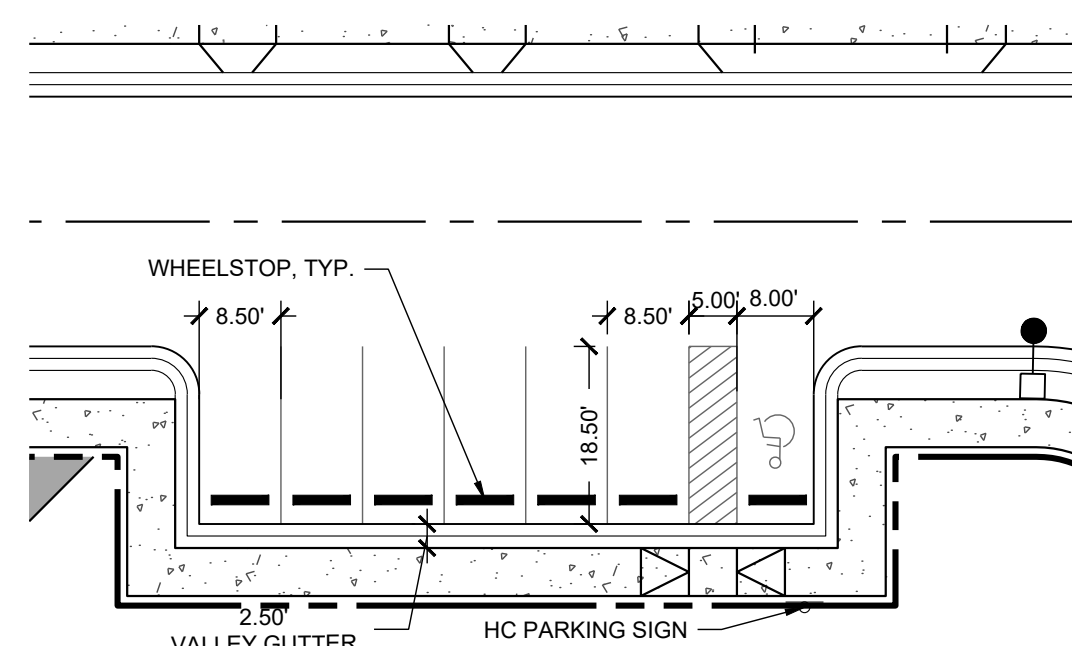
C3.00



TYPICAL TOWNHOME LAYOUT



INSET 3



INSET 2

RECREATION SPACE CALCULATIONS

RECREATION SPACE REQUIRED: 34,085 SF (0.05 RATIO)
RECREATION SPACE PROVIDED (75%): 25,564 SF
NEIGHBORHOOD PARK: 20,800 SF
10' MULTI-USE PATH: 4,764 SF
PAYMENT IN LIEU (25%): 6,521 SF
PAYMENT IN LIEU FEE CALCULATION: 34,085 X 25% X 1.55 X \$12 = \$158,496

TOWNHOME UNITS BREAKDOWN

TOTAL TOWNHOME UNITS: 108 UNITS (16 AFFORDABLE UNITS)
28' X 55' UNITS: 55 UNITS
22' X 55' UNITS: 53 UNITS (16 AFFORDABLE UNITS)
TOWNHOME SETBACK:
FRONT: 18'
REAR: 0'
BUILDING SEPARATION: 20' MIN.

- NOTES:
- SEE SHEET C0.10 FOR GENERAL AND SITE NOTES.
 - FINAL STREET LIGHTS LOCATION TO BE PROVIDED BY DUKE ENERGY DURING CONSTRUCTION DRAWINGS

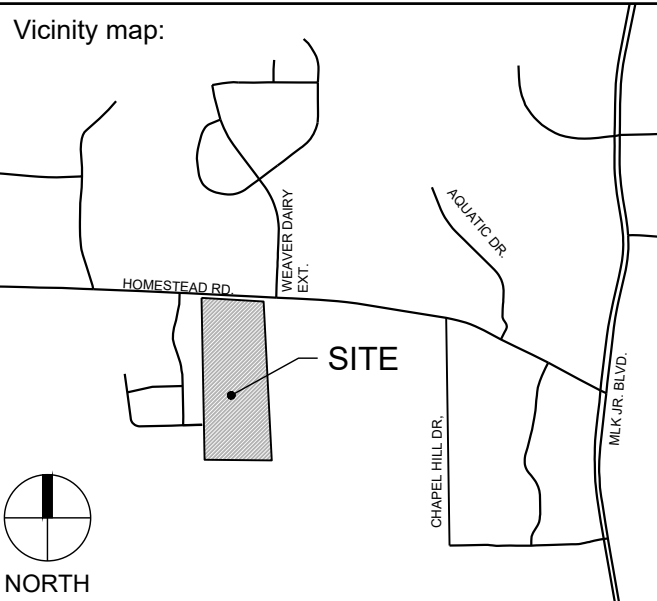
SITE LEGEND:	
	PROPOSED BUILDING
	PROPOSED AFFORDABLE HOUSING UNIT
	PROPOSED CONCRETE SIDEWALK
	PROPOSED RECREATIONAL SPACE
	PROPOSED TREE REPLACEMENT AREA
	TREE SAVE AREA
	PROPOSED 4' WIDE NEIGHBORHOOD TRAIL
	PROPOSED SIGN
	PROPOSED ADA PARKING SPACE
	PROPOSED STOP BAR
	PROPOSED 6' WIDE STANDARD CROSSWALK
	LIMITS OF DISTURBANCE
	PROPOSED TREE PROTECTION FENCE
	PROPOSED LIGHT
	PROPOSED VALLEY GUTTER
	PROPOSED STANDARD CURB & GUTTER



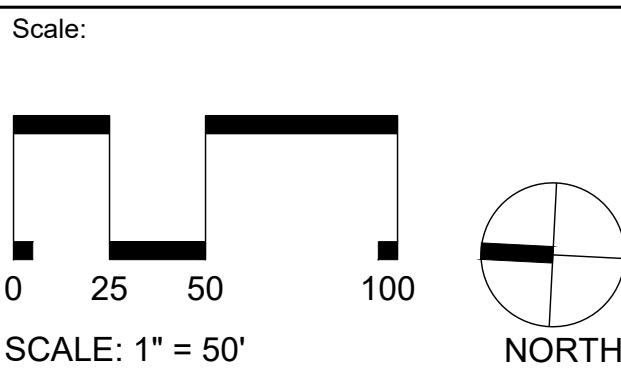
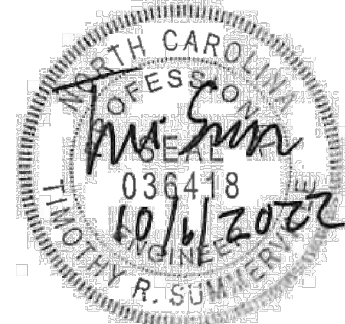
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Client:
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PHONE: 919.489.9000
EMAIL: RICHARD@GURLITZARCHITECTS.COM



Seal:
PRELIMINARY - DO NOT
USE FOR CONSTRUCTION



Project:

HOMESTEAD ROAD TOWNHOMES

Issued for:

CONDITIONAL ZONING PERMIT

No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

Title:

TRASH MANAGEMENT & FIRE APPARATUS PLAN

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: HNJ
Approved by: TS

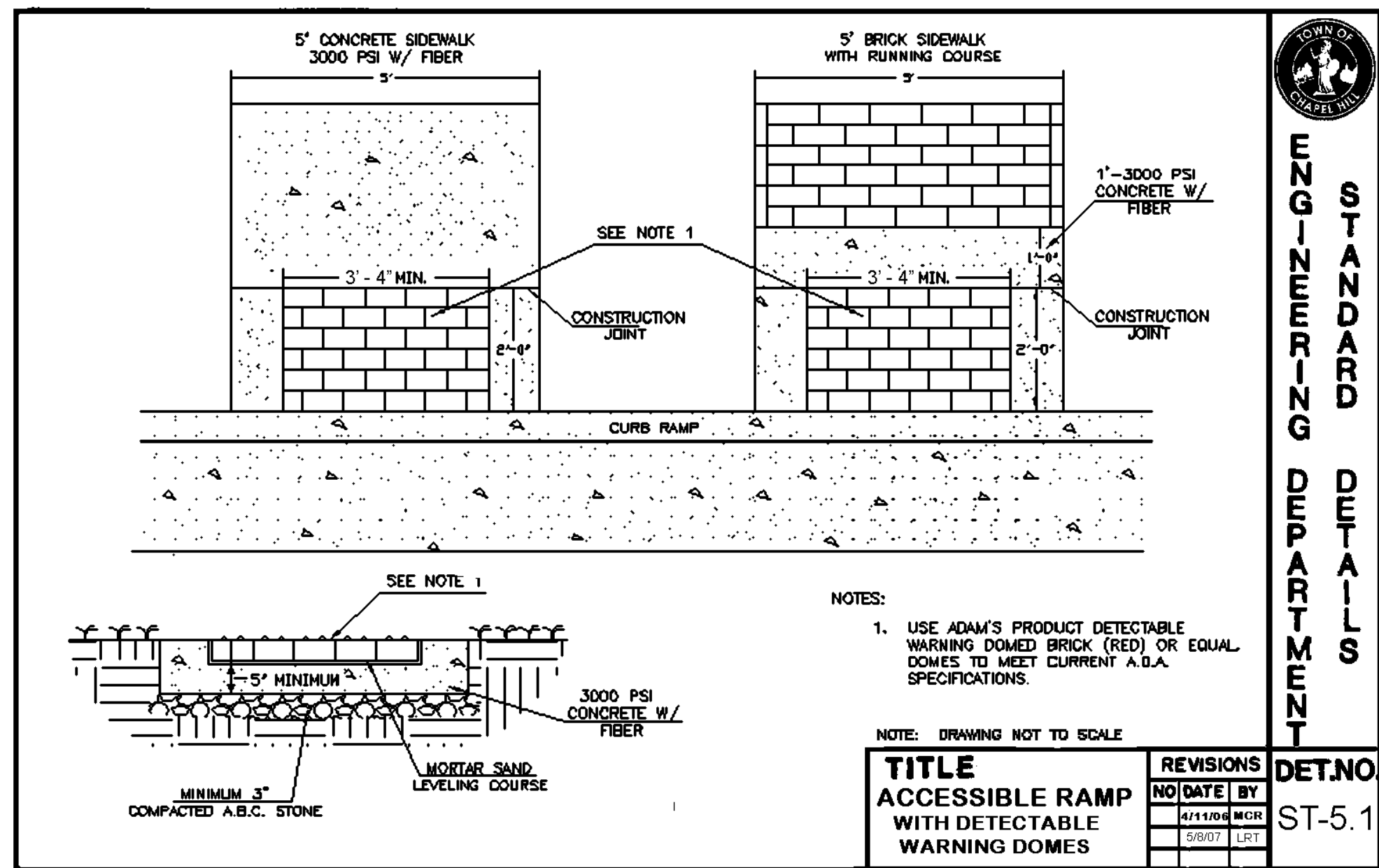
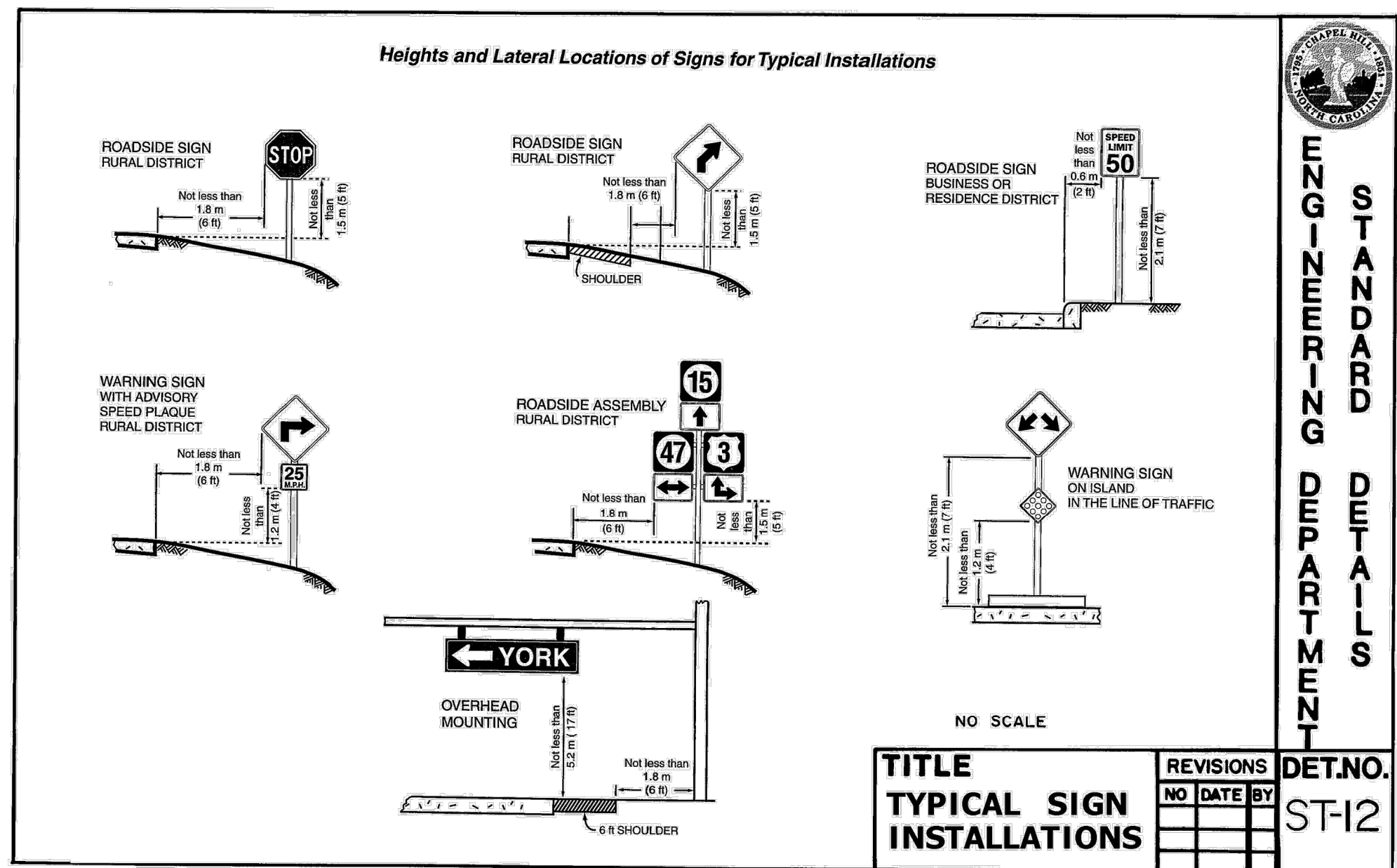
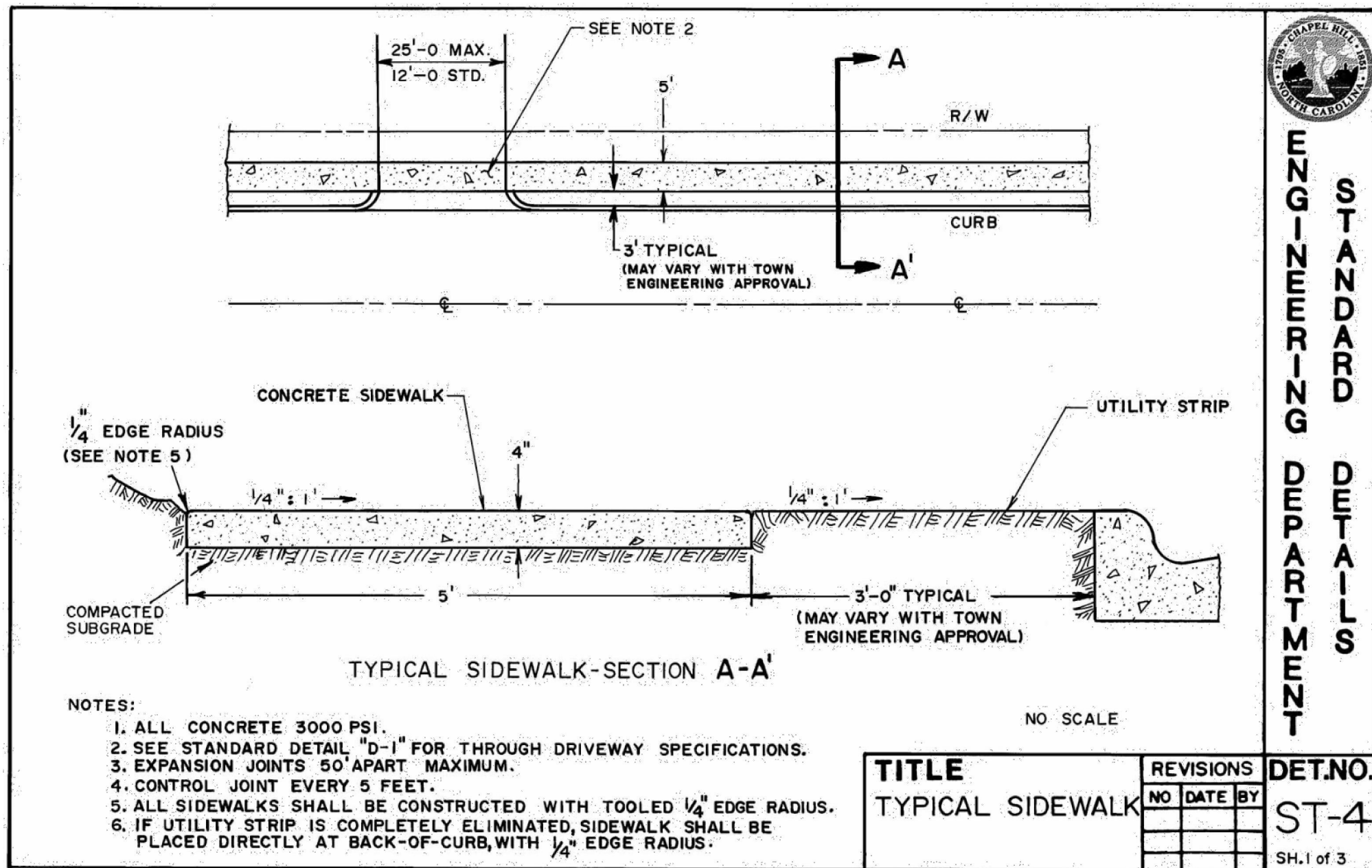
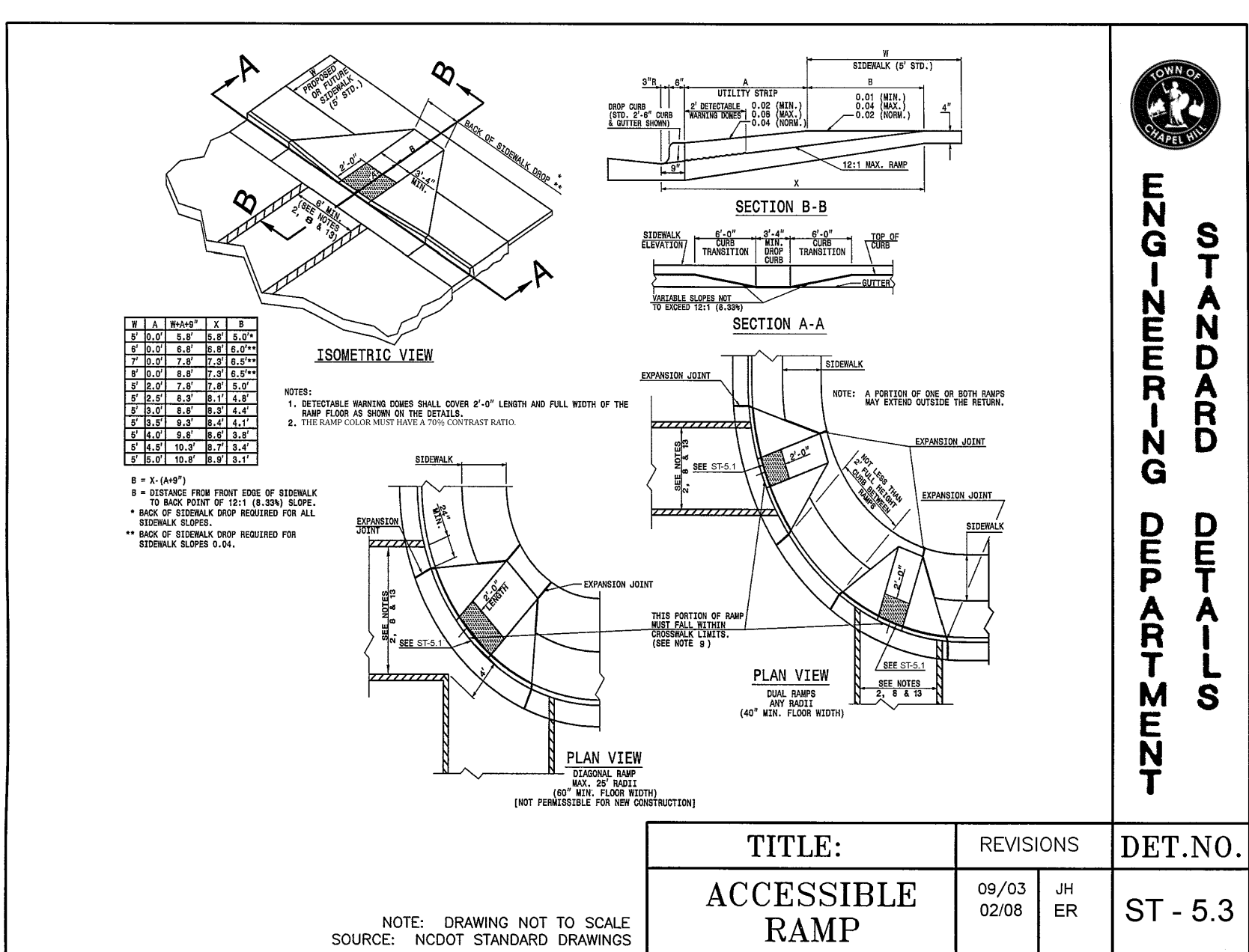
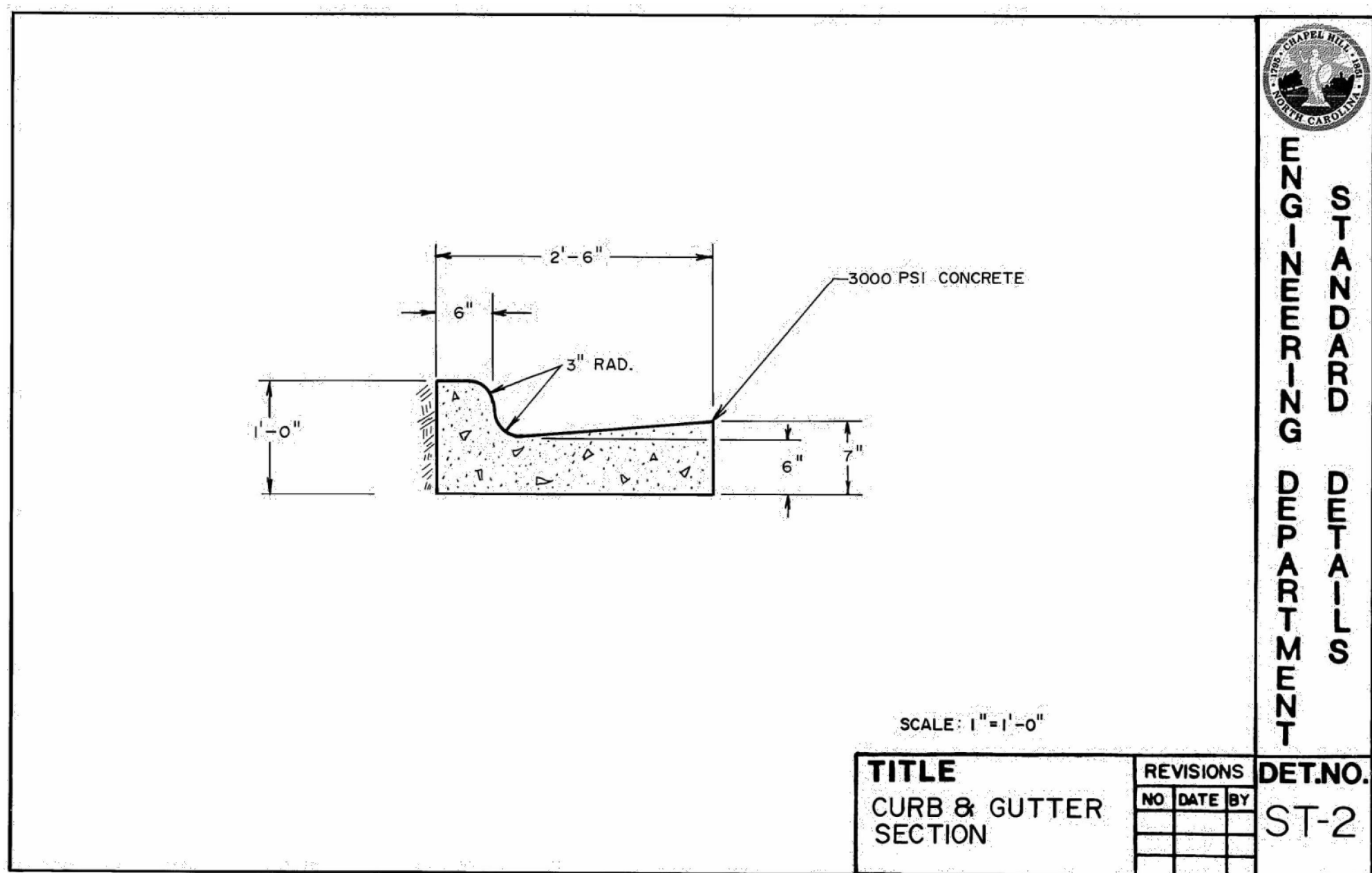
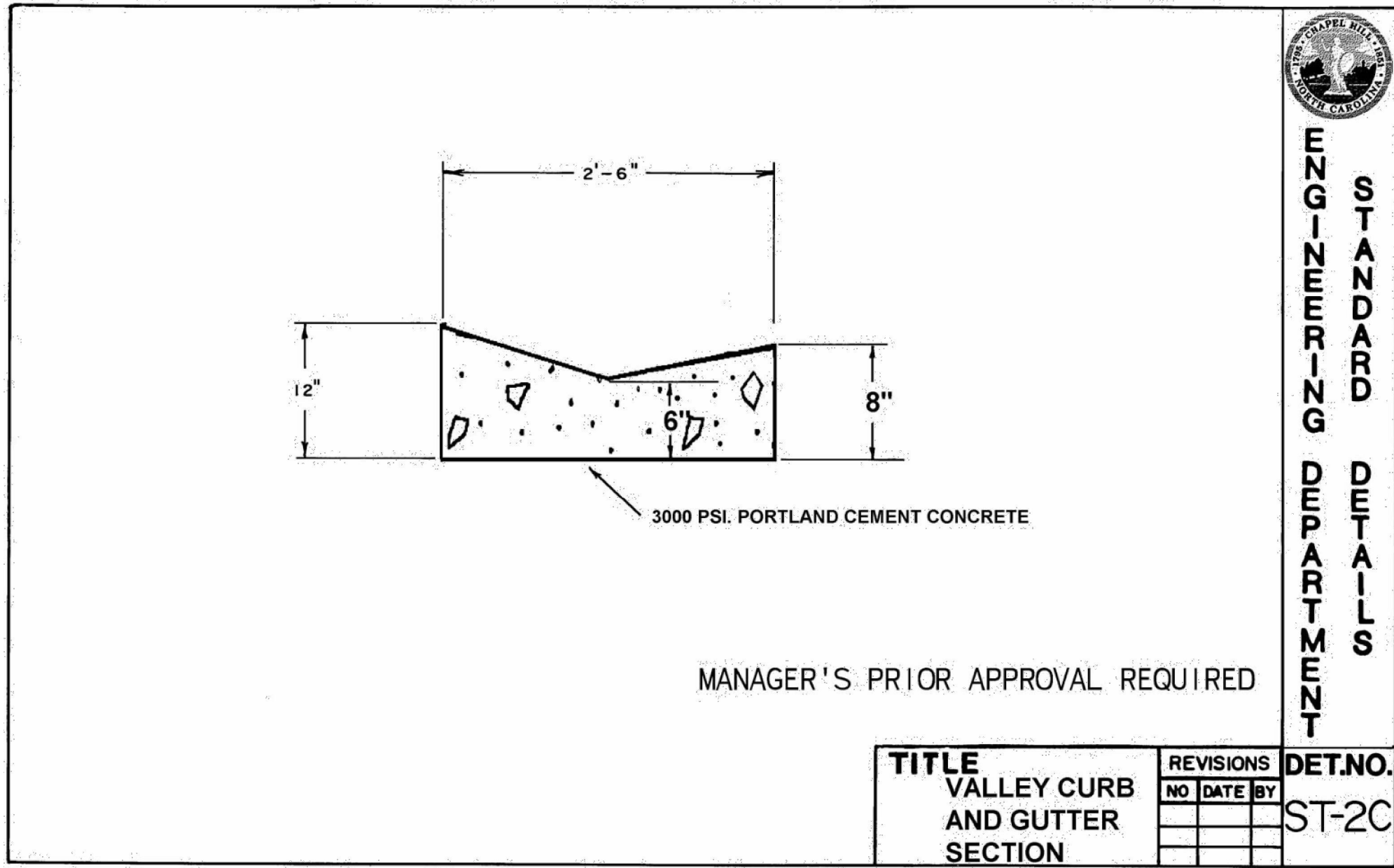
C3.10



TRUCK CIRCULATION LEGEND:	
SYMBOL	DESCRIPTION
	GARBAGE TRUCK
	FIRE TRUCK

NOTE:
ALL TRASH TO BE HANDLED BY ROLL OUT
CARTS.

L:\Projects\2022\C22033 - Homestead Road Townhomes\DWGS\1-SUP\3-Sheets\C22033-C3 90 Site Details.dwg Oct 07, 2022 - 9:27am



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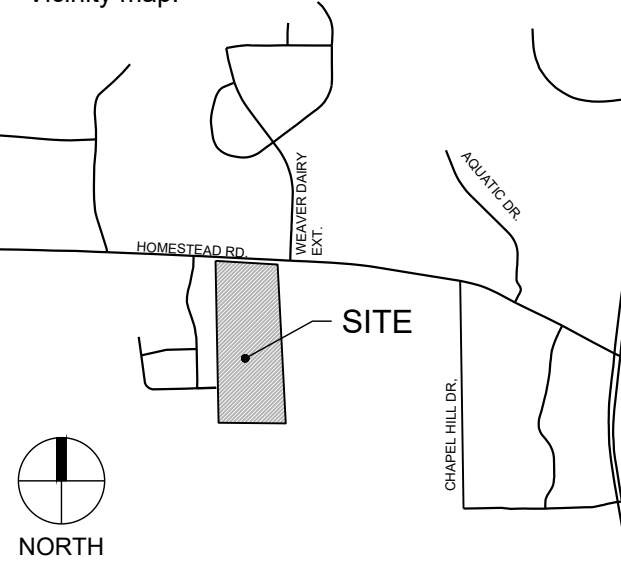
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PROJECT # C22033

Client:

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121 S. ESTES DRIVE, SUITE 100
CHAPEL HILL, NC 27514
PHONE: 919.489.9000
EMAIL: RICHARD@GURLITZARCHITECTS.COM

Vicinity map:



Seal:

PRELIMINARY - DO NOT
USE FOR CONSTRUCTION



Scale:

SCALE: AS NOTED

Project:

HOMESTEAD
ROAD
TOWNHOMES

Issued for:

CONDITIONAL ZONING
PERMIT

No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

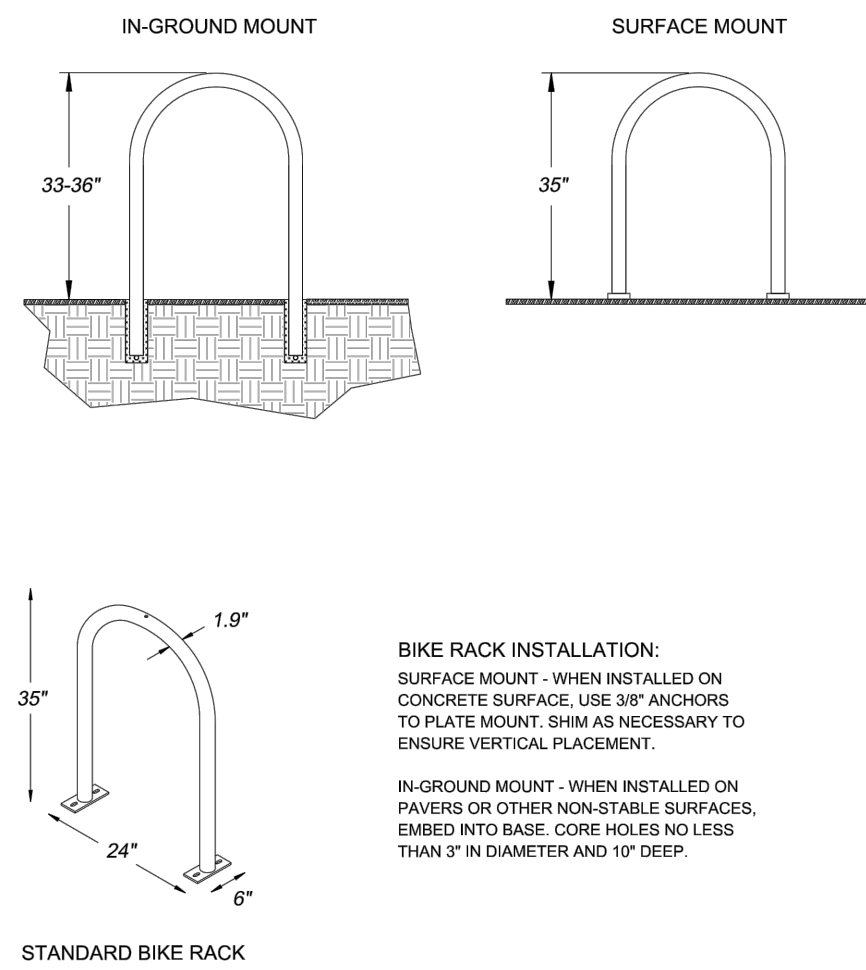
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SITE DETAILS

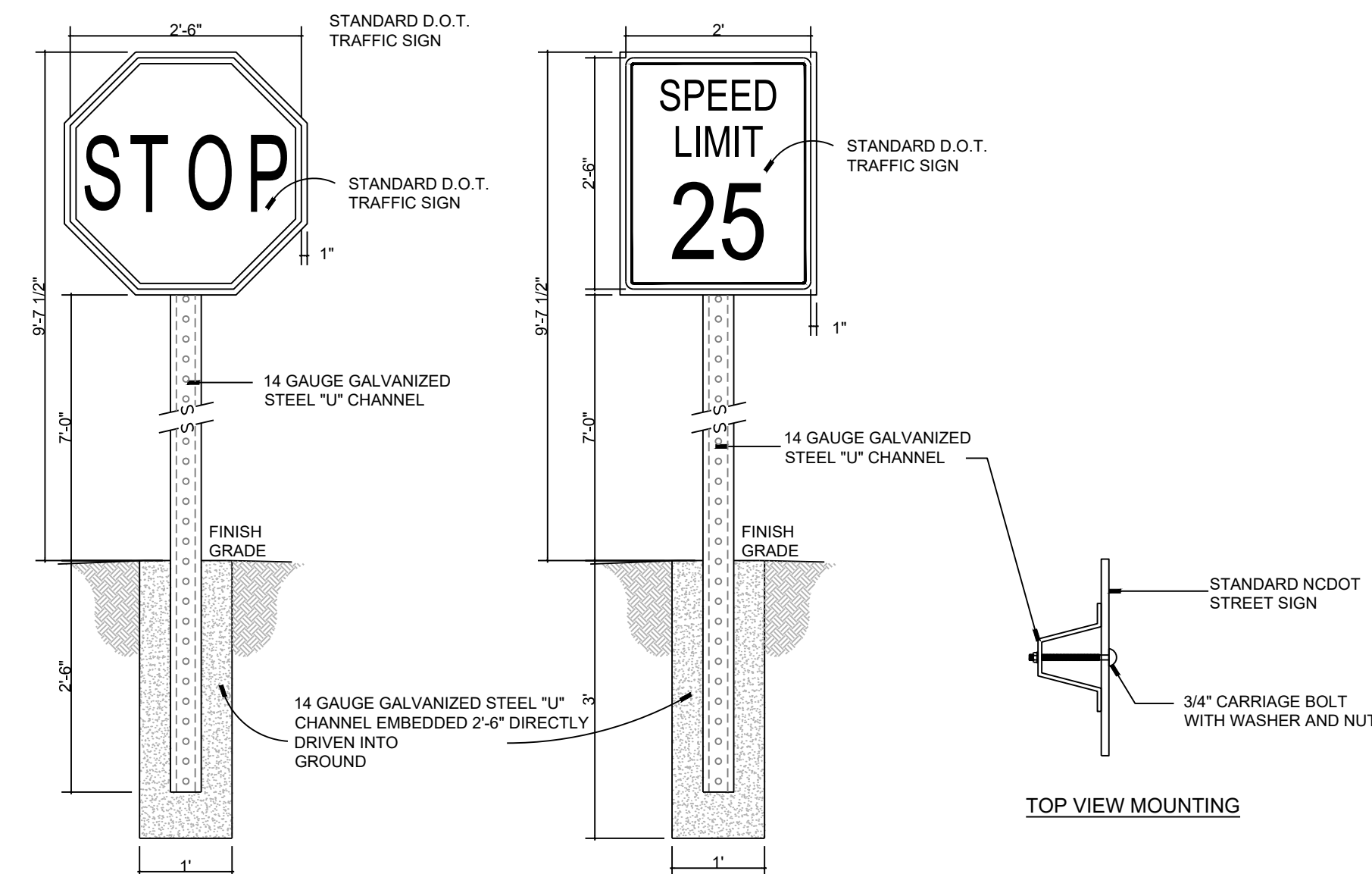
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Issued Date: 06.24.2022
Drawn by: SM
Approved by: TS

C3.90

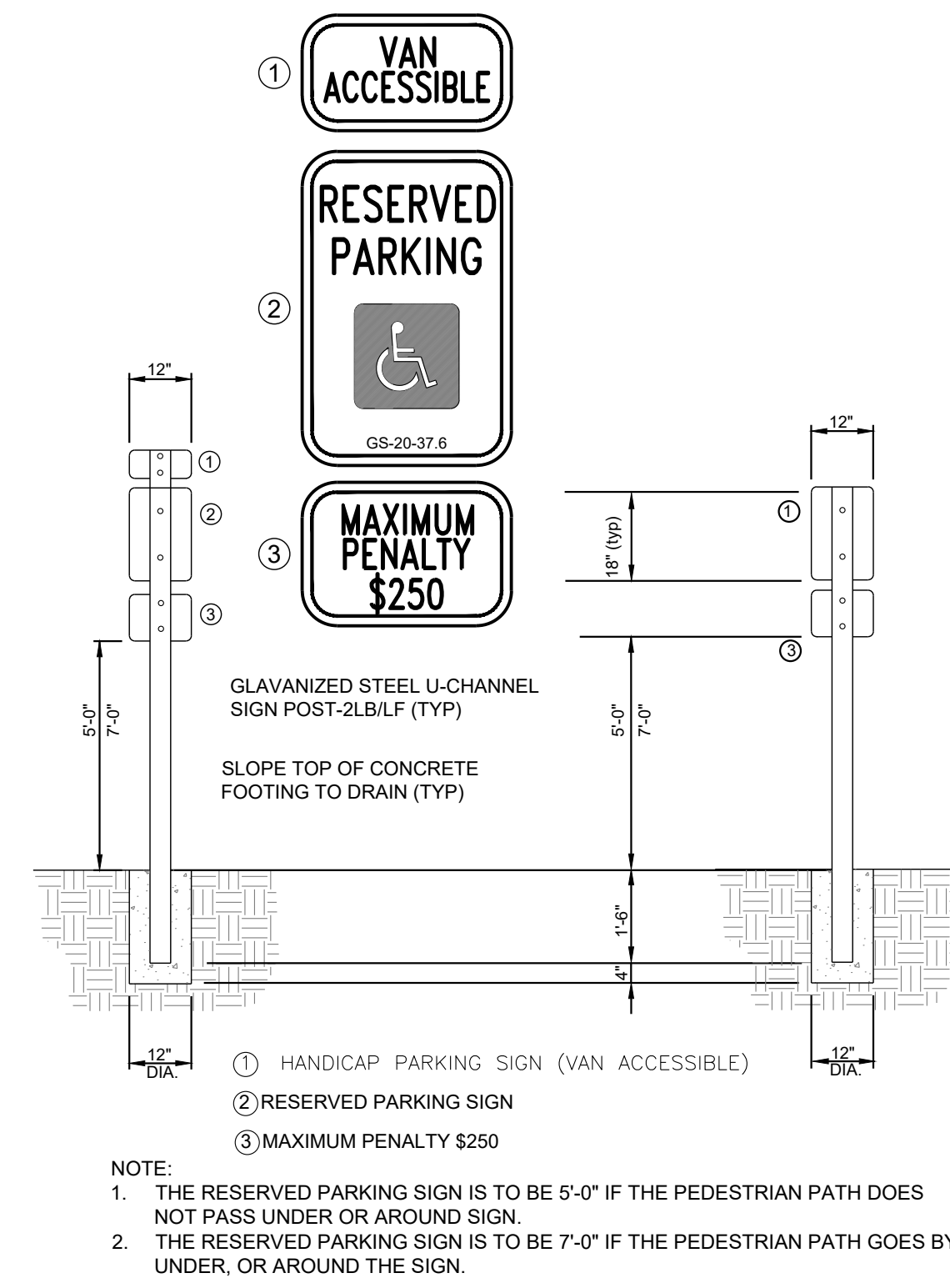
NTS



NTS



NTS



A map showing the location of the site. The site is located on the east side of Homestead Rd, south of Taylor Hwy. The map also shows the intersection of Taylor Hwy and Adams St, and the intersection of Taylor Hwy and Maple St. A north arrow is located in the bottom left corner.

SCALE: AS NOTED

HOMESTEAD
ROAD
TOWNHOMES

[illegible]

SITE DETAILS

Project number: C22033 Sheet #:
 Issued Date: 06.24.2022
 Drawn by: SM
 Approved by: TS

C3.91

C3.91



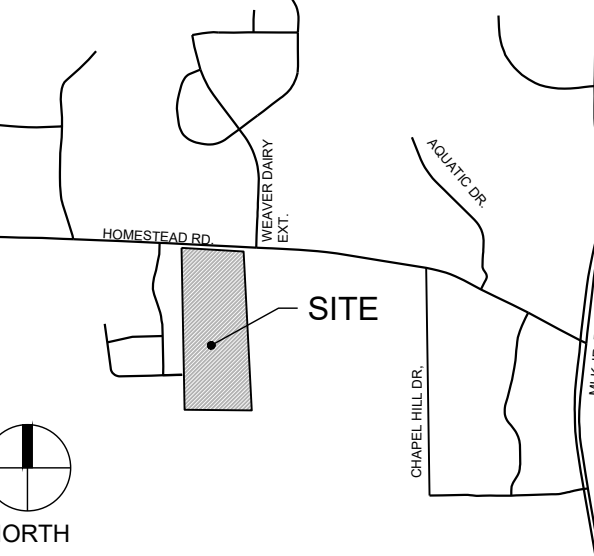
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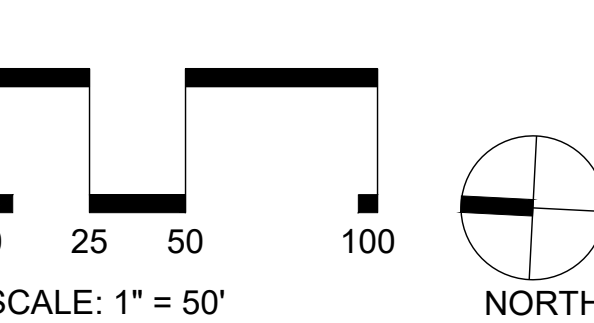
Vicinity map:



Seal:
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USE FOR CONSTRUCTION



Scale:



Project:

HOMESTEAD ROAD TOWNHOMES

Issued for:

CONDITIONAL ZONING PERMIT

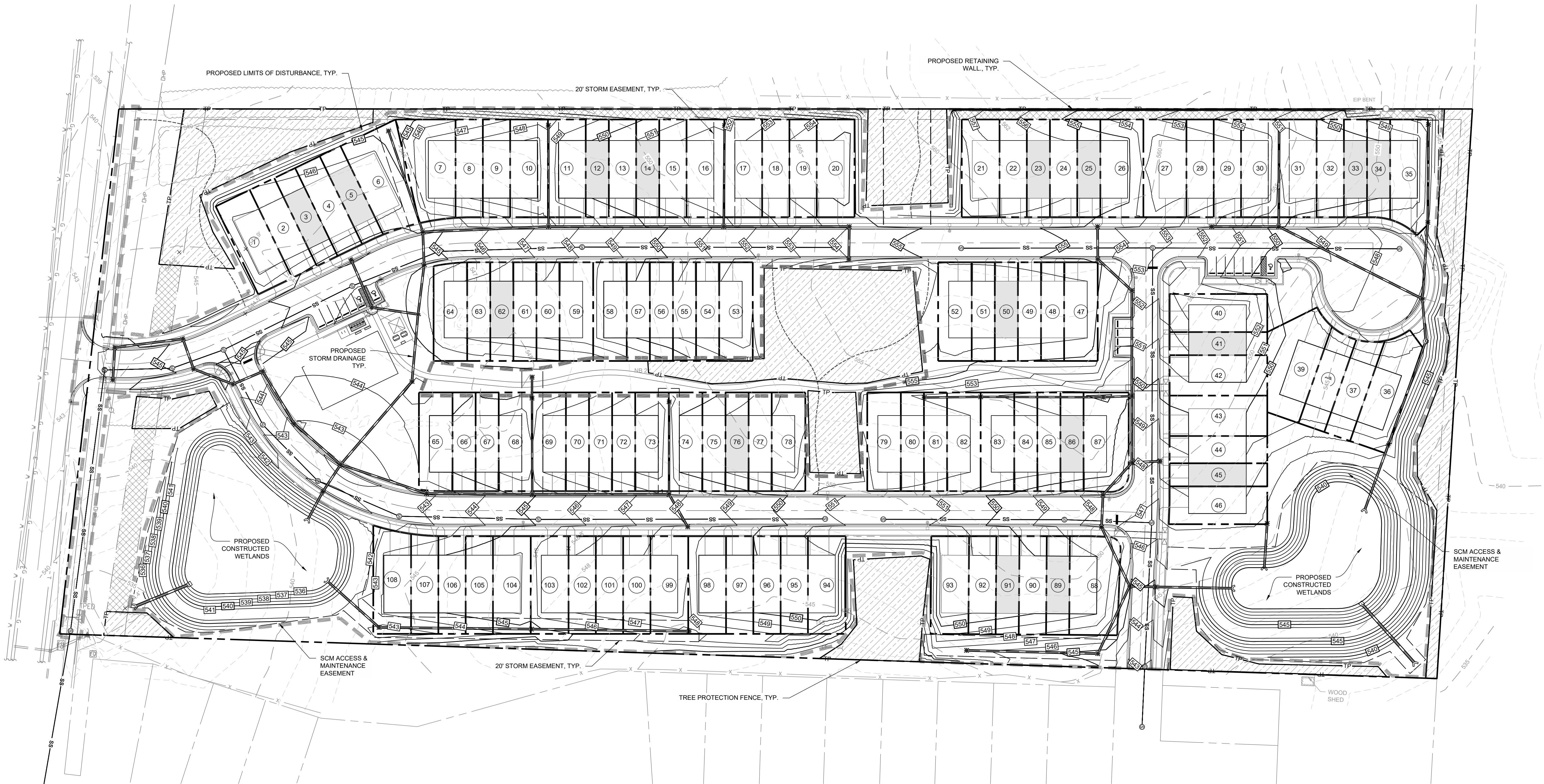
No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

Title:

GRADING & STORM DRAINAGE PLAN

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: SM
Approved by: TS

C5.00



GRADING LEGEND:

SYMBOL	DESCRIPTION
	PROPOSED JUNCTION BOX
	PROPOSED CATCH BASIN
	PROPOSED AREA DRAIN
	RIPRAP DISSIPATOR
	FLOW DIRECTION
	PROPOSED ELEVATION
	TOP/BOTTOM OF CURB
	TOP/BOTTOM OF WALL
	PROPOSED STORM DRAINAGE
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

NOTES:

- SEE SHEET C0.10 FOR GENERAL AND GRADING NOTES.



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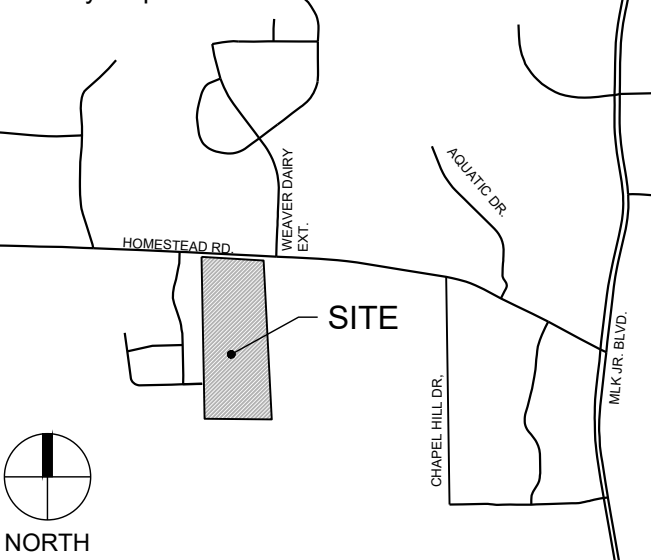
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PROJECT # C22033

Client:

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PHONE: 919.489.9000
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Vicinity map:

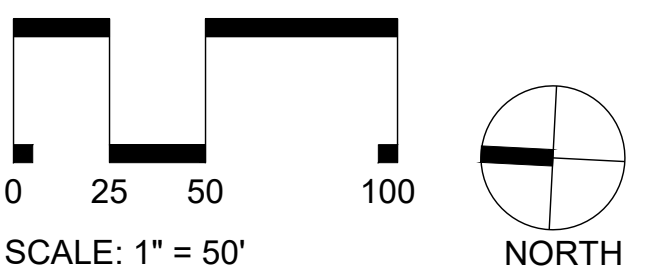


Seal:

PRELIMINARY - DO NOT
USE FOR CONSTRUCTION



Scale:



Project:

HOMESTEAD
ROAD
TOWNHOMES

Issued for:

CONDITIONAL ZONING
PERMIT

No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

Title:

UTILITY PLAN

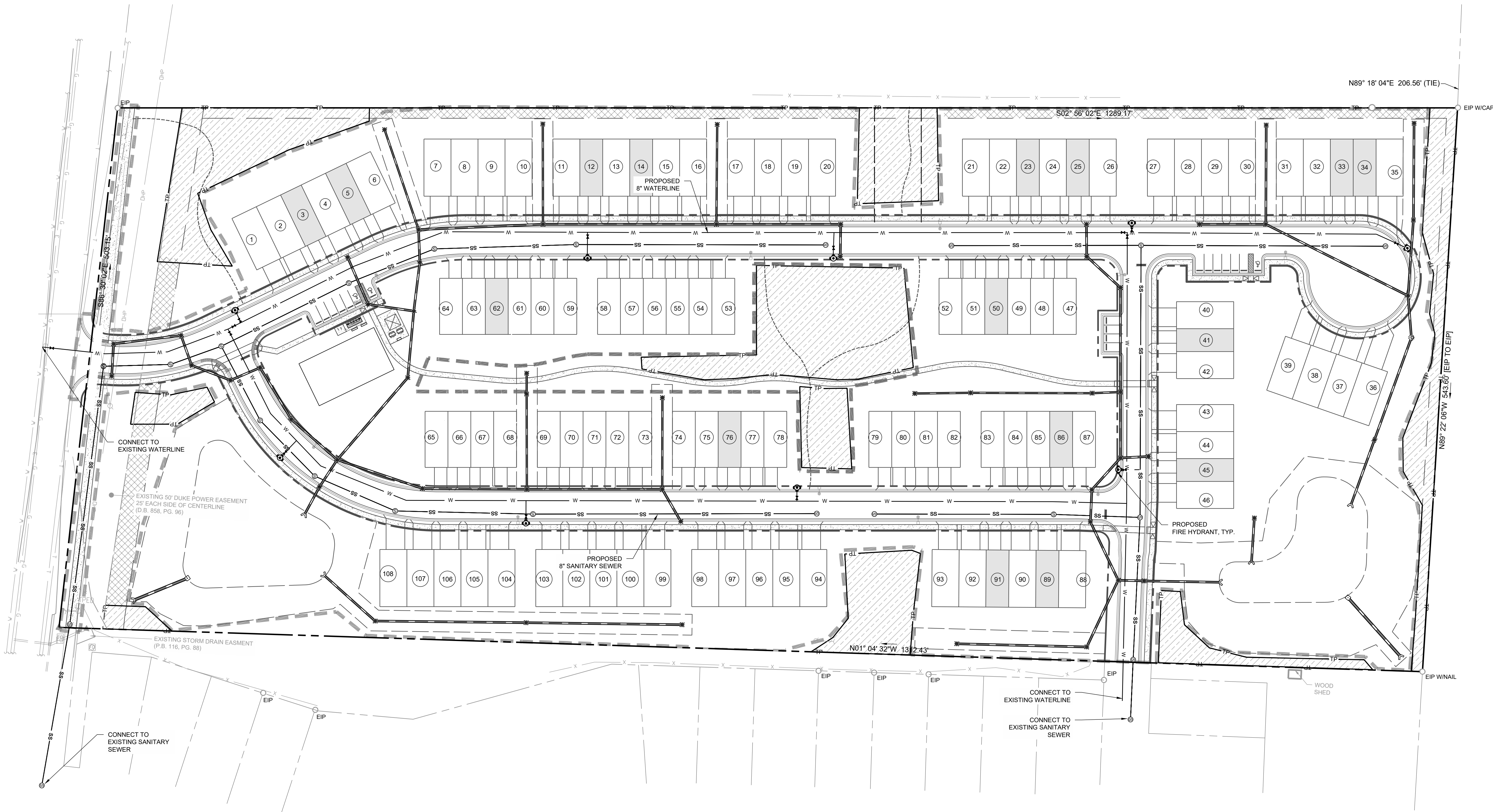
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Issued Date: 06.24.2022

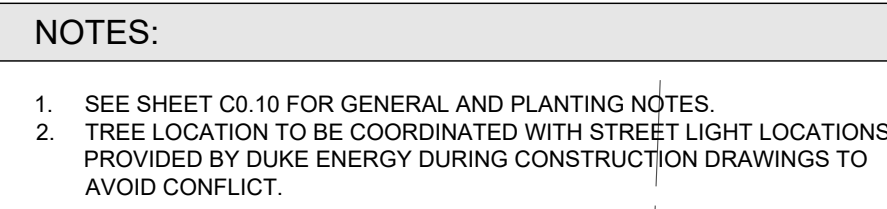
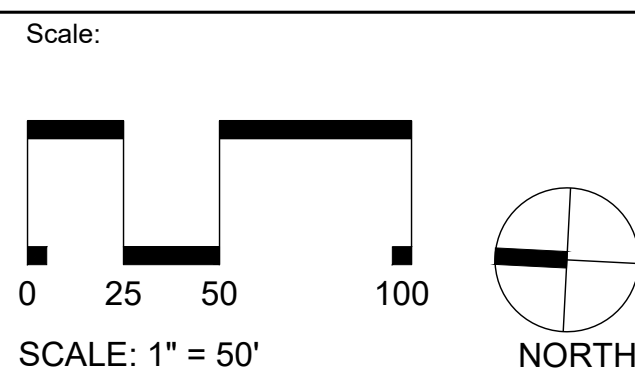
Drawn by: SM

Approved by: TS

C6.00



UTILITY LEGEND:	
SYMBOL	DESCRIPTION
	PROPOSED FIRE HYDRANT
	PROPOSED WATER VALVE
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER MANHOLE
	PROPOSED CLEANOUT
	PROPOSED FIRE DEPARTMENT CONNECTION (FDC)
	PROPOSED BACKFLOW METER
	PROPOSED POST INDICATOR VALVE (PIV)
	PROPOSED GREASE INTERCEPTOR
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING SANITARY SEWER LINE
	PROPOSED SANITARY SEWER LINE
	300' HYDRANT COVERAGE CIRCLE
NOTES:	
1. SEE SHEET C0.10 FOR GENERAL AND UTILITY NOTES.	












[illegible]

HOMESTEAD
ROAD
TOWNHOMES

[illegible]

CODE PLANTING PLAN

L7.00

PLANT SCHEDULE INTERNAL PLANTING							
CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	HEIGHT	NOTES
	AR	17	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	B&B	2.5 IN	12 TO 14 FT	
	BH	8	BETULA NIGRA 'HERITAGE' HERITAGE RIVER BIRCH	B&B	2.5 IN	12 TO 14 FT	
	NS	11	NYSSA SYLVATICA PIPEL	B&B	2.5 IN	12 TO 14 FT	
	QN	15	QUERCUS NUTTALLII NUTTALL OAK	B&B	2.5 IN	12 TO 14 FT	
	QH	19	QUERCUS PHIELLOS 'HIGHTOWER' HIGHTOWER WILLOW OAK	B&B	2.5 IN	12 TO 14 FT	
<hr/>							
UNDERSTORY TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	HEIGHT	NOTES
	AA	12	AMELANCHIER ARBOREA DOWNY SERVICEBERRY	B&B	1 IN	8 FT	
	CC	7	CERCIS CANADENSIS EASTERN REDBUD	B&B	1 IN	8 FT	
	MS	6	MAGNOLIA VIRGINIANA SWEETBAY MAGNOLIA	B&B	1 IN	8 FT	
<hr/>							
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	-	HEIGHT	NOTES
	FL	26	FORSYTHIA X INTERMEDI 'LYNWOOD GOLD' LYNWOOD GOLD FORSYTHIA	CONT.		2'-2.5'	
	IJ	43	ILEX ORENATA 'STEEDS' STEEDS JAPANESE HOLLY	CONT.		18-24"	
	LG	84	LOROPETALUM CHINENSE 'PURPLE DIAMOND' PURPLE DIAMOND LOROPETALUM	CONT.		18-24"	

TREE CANOPY COVERAGE REQUIRED: 30%
 NET LAND AREA: 15.65 AC / 681.71 SF
 AREA EXEMPT FROM TREE CANOPY CALCULATIONS:
 RECREATIONAL AREAS: 25,564 SF
 DUKE POWER EASEMENT: 26,022 SF
 STORMWATER EASEMENT: 90,430 SF
 RIGHT-OF-WAY: 123,839 SF
 TOTAL LAND ARE EXEMPTED: 265,855 SF
 APPLICABLE LAND AREA: 415,859 SF
 TREE CANOPY REQUIRED: 124,757 SF (30%)
 EXISTING TREE CANOPY TO REMAIN: 64,193 SF
 ADDITIONAL TREE CANOPY REQUIRED: 60,564 SF
 REQUIRED REPLACEMENT TREES (1 PER 500 SF): 121
 PROPOSED REPLACEMENT TREES: 121
 BUFFER CANOPY TREES: 51
 INTERNAL CANOPY TREES: 70

TYPE 'C' 20 FT EXTERNAL BUFFER:
PLANTS REQUIRED PER 100 LF

- 10 LARGE TREES
- 10 SMALL TREES
- 36 SHRUBS

508 LF TOTAL LENGTH
LESS 48 LF OF ROW
LESS 203 LF OF EXISTING TREE CANOPY*
APPLICABLE LENGTH = 257 LF

REQUIRED:	PROPOSED:
13 LG TREES	13 LG TREES
26 SM TREES	26 SM TREES
94 SHRUBS	94 SHRUBS

SUPPLEMENTAL PLANTING IN BUFFER WITH EXISTING VEGETATION

- 21 SMALL TREES
- 73 SHRUBS

TYPE 'B' 10 FT INTERNAL BUFFER:
PLANTS REQUIRED PER 100 LF

- 4 LARGE TREES
- 7 SMALL TREES
- 12 SHRUBS

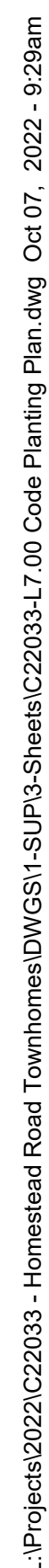
1,750 LF TOTAL LENGTH
LESS 825 LF OF EXISTING TREE CANOPY*
APPLICABLE LENGTH = 925 LF

REQUIRED:	PROPOSED:
37 LG TREES	37 LG TREES
65 SMALL TREES	65 SMALL TREES
111 SHRUBS	111 SHRUBS

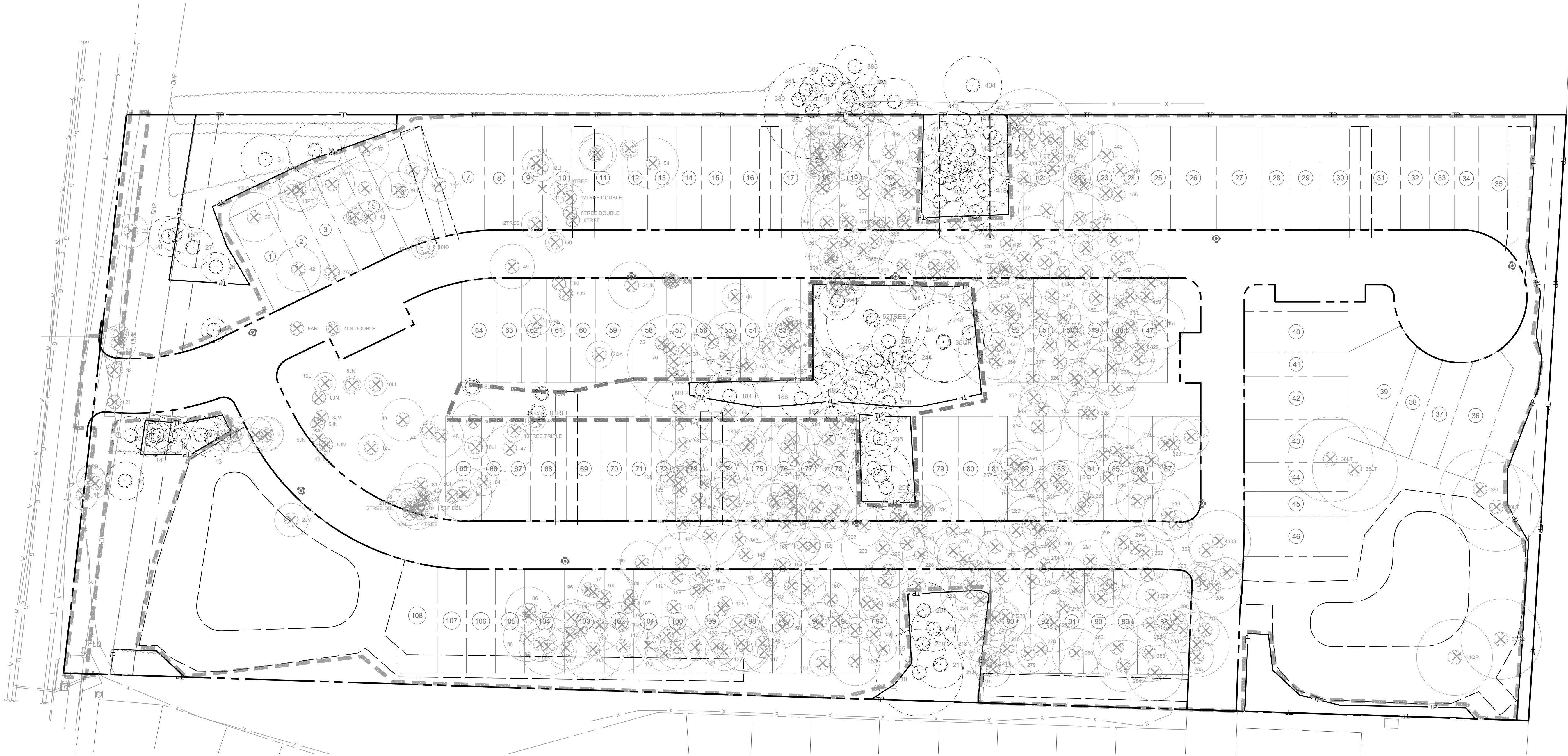
SUPPLEMENTAL PLANTING IN BUFFER WITH EXISTING VEGETATION

- 58 SMALL TREES
- 100 SHRUBS

*NOTE:
EXISTING VEGETATION SHALL BE USED TO SATISFY SOME OF THE
PLANTING. SEE PLAN FOR LOCATION AND LENGTH.
- SUPPLEMENTAL PLANTING ARE PROVIDED IN BUFFER AREA WHERE
EXISTING VEGETATION ARE USED TO MEET REQUIREMENT. SUPPLEMENTAL
PLANTING SHALL BE LIMITED TO DECIDUOUS TREES AND EVERGREEN SHRUBS. SEE PLAN
AND PLACEMENT.



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LINETYPE LEGEND:	
SYMBOL	DESCRIPTION
	LIMITS OF DISTURBANCE
	PROPERTY LINE
	TREE PROTECTION FENCE
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE REMOVED

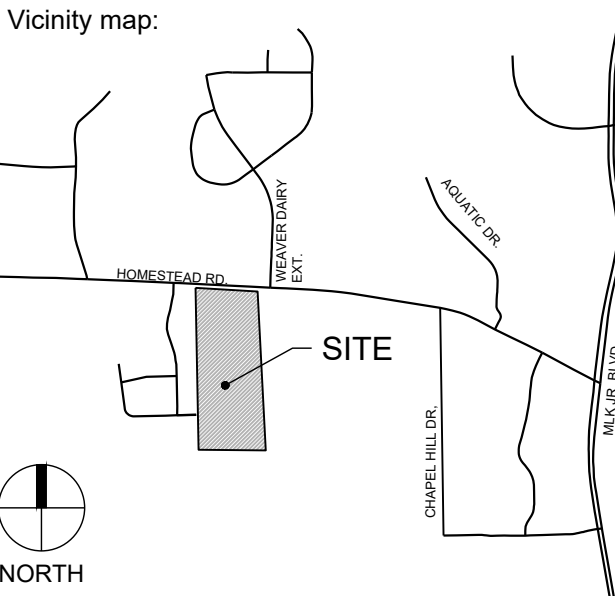


STEWART

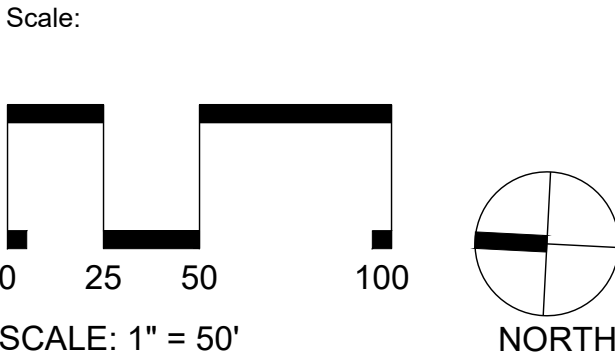
101 WEST MAIN ST.
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Client:
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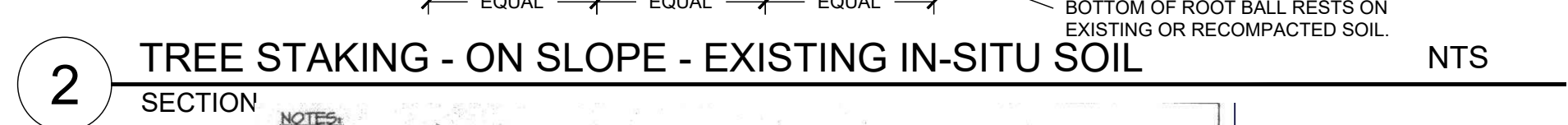
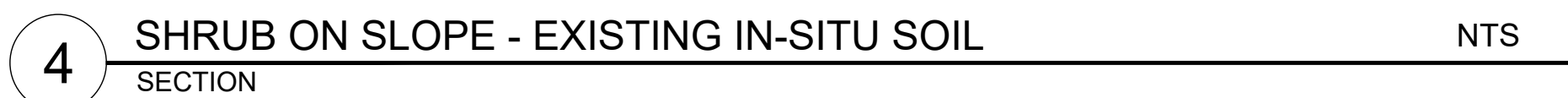
No.	Date	Description
1	8/26/2022	1ST RESUBMITTAL
2	10/07/2022	2ND RESUBMITTAL

Title:
**LANDSCAPE
PROTECTION PLAN**

Project number: C22033 Sheet #:
Issued Date: 06.24.2022
Drawn by: SM
Approved by: CH **L7.10**

ID #	CODE	Common Name	Scientific Name	DBP	Rare or Spec	Multistem Number
1	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
2	AMH	Eastern Red Cedar	Juniperus virginiana	15	Specimen	
3	FRSE	Black Cherry	Prunus serotina	16	Specimen	
4	LEST	Sw.veglum	Liquidambar styraciflua	16	Specimen	
5	RTA	Loblolly Pine	Pinus taeda	19	Specimen	
6	COFL	Dogwood	Cornus florida	6	Specimen	
7	LEST	Sw.veglum	Liquidambar styraciflua	12	Specimen	
8	AMH	Eastern Red Cedar	Juniperus virginiana	15	Specimen	
9	LEST	Sw.veglum	Liquidambar styraciflua	17	Specimen	
10	FRSE	Black Cherry	Prunus serotina	9	NA	
11	AMH	Eastern Red Cedar	Juniperus virginiana	17	Specimen	
12	LEST	Sw.veglum	Liquidambar styraciflua	12	Specimen	
13	RTA	Loblolly Pine	Pinus taeda	19	Specimen	
14	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
15	PVCA	Calhoun Pear	Pyrus calhouni	17	NA	
16	PVCA	Calhoun Pear	Pyrus calhouni	17	NA	
17	AMH	Eastern Red Cedar	Juniperus virginiana	15	Specimen	
18	COFL	Dogwood	Cornus florida	6	Specimen	
19	LSP	American Holly	Ilex opaca	7	Specimen	
20	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
21	COFL	Dogwood	Cornus florida	6	Specimen	
22	COFL	Dogwood	Cornus florida	7	Specimen	
23	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
24	COFL	Dogwood	Cornus florida	8	Specimen	
25	MAGR	Southern Magnolia	Magnolia grandiflora	11	NA	
26	MAGR	Southern Magnolia	Magnolia grandiflora	13	Specimen	
27	LEST	Sw.veglum	Liquidambar styraciflua	18	Specimen	
28	RTA	Loblolly Pine	Pinus taeda	19	Specimen	
29	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
30	LITU	Tup. Poplar	Liriodendron tulipifera	24	Specimen	
31	LITU	Tup. Poplar	Liriodendron tulipifera	22	Specimen	
32	RTA	Loblolly Pine	Pinus taeda	22	Specimen	
33	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
34	RTA	Loblolly Pine	Pinus taeda	24	Specimen	
35	LEST	Sw.veglum	Liquidambar styraciflua	14	Specimen	
36	RTA	Loblolly Pine	Pinus taeda	24	Specimen	
37	RTA	Loblolly Pine	Pinus taeda	20	Specimen	
38	LEST	Sw.veglum	Liquidambar styraciflua	13	Specimen	
39	LEST	Sw.veglum	Liquidambar styraciflua	17	Specimen	
40	AMH	Eastern Red Cedar	Juniperus virginiana	14	Specimen	
41	AMH	Eastern Red Cedar	Juniperus virginiana	8	Specimen	
42	ACRU	Red Maple	Acer rubrum	20	Specimen	
43	BEH	River Birch	Betula nigra	8	Specimen	
44	OPAT	Hawthorn	Crataegus species	8	Specimen	
45	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
46	BEH	River Birch	Betula nigra	19	Specimen	
47	BEH	River Birch	Betula nigra	21	Specimen	
48	COFL	Dogwood	Cornus florida	9	Specimen	
49	MAGR	Magnolia	Pinus taeda	9	NA	
50	PRCA	Calhoun Pear	Pinus taeda	9	Specimen	
51	COFL	Dogwood	Cornus florida	16	Specimen	
52	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
53	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
54	LITU	Tup. Poplar	Liriodendron tulipifera	23	Specimen	
55	LITU	Tup. Poplar	Liriodendron tulipifera	36	Specimen	
56	LITU	Tup. Poplar	Liriodendron tulipifera	12	Specimen	
57	ACRU	Red Maple	Acer rubrum	12	Specimen	
58	QUAL	White Oak	Quercus alba	22	Specimen	
59	QUAL	White Oak	Quercus alba	22	Specimen	
60	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
61	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
62	CARYA	Hickory	Carya species	13	Specimen	
63	CARYA	Hickory	Carya species	17	Specimen	
64	ACRU	Red Maple	Acer rubrum	16	Specimen	
65	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
66	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
67	LEST	Sw.veglum	Liquidambar styraciflua	16	Specimen	
68	CARYA	Hickory	Carya species	17	Specimen	
69	QUAE	Black Oak	Quercus velutina	42	Specimen	
70	QUAE	Black Oak	Quercus velutina	14	Specimen	
71	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
72	CARYA	Hickory	Carya species	13	Specimen	
73	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
74	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
75	LITU	Tup. Poplar	Liriodendron tulipifera	27	Specimen	
76	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
77	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
78	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
79	FRSE	Black Cherry	Prunus serotina	16	Specimen	
80	DM	Pinus taeda	Quercus virginiana	10	Specimen	
81	QUAE	Black Oak	Carya borealis	19	Specimen	
82	LEST	Sw.veglum	Liquidambar styraciflua	12	Specimen	
83	LEST	Sw.veglum	Liquidambar styraciflua	24	Specimen	
84	QUAE	Black Oak	Carya borealis	12	Specimen	
85	QUAE	Black Oak	Carya borealis	13	Specimen	
86	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
87	LITU	Tup. Poplar	Liriodendron tulipifera	12	Specimen	
88	LEST	Sw.veglum	Liquidambar styraciflua	21	Specimen	
89	QUAE	Black Oak	Quercus alba	15	Specimen	
90	QUAE	Black Oak	Quercus alba	28	Specimen	
91	LEST	Sw.veglum	Liquidambar styraciflua	19	Specimen	
92	LEST	Sw.veglum	Liquidambar styraciflua	25	Specimen	
93	QUAE	Black Oak	Quercus alba	25	Specimen	
94	LEST	Sw.veglum	Liquidambar styraciflua	16	Specimen	
95	QUAE	Black Oak	Quercus alba	12	Specimen	
96	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
97	QUAE	Black Oak	Quercus alba	8	Specimen	
98	FRSE	Black Cherry	Prunus serotina	6	Specimen	
99	FRSE	Black Cherry	Prunus serotina	6	Specimen	
100	LEST	Sw.veglum	Liquidambar styraciflua	29	Specimen	
101	LEST	Sw.veglum	Liquidambar styraciflua	16	Specimen	
102	QUAE	Black Oak	Quercus alba	21	Specimen	
103	QUAE	Black Oak	Quercus alba	26	Specimen	
104	QUAE	Black Oak	Quercus alba	22	Specimen	
105	QUAE	Black Oak	Quercus alba	29	Specimen	
106	QUAE	Black Oak	Quercus alba	15	Specimen	
107	QUAE	Black Oak	Quercus alba	12	Specimen	
108	QUAE	Black Oak	Quercus alba	17	Specimen	
109	RTA	Loblolly Pine	Pinus taeda	19	Specimen	
110	RTA	Loblolly Pine	Pinus taeda	19	Specimen	
111	QUAE	Black Oak	Quercus alba	29	Specimen	
112	LEST	Sw.veglum	Liquidambar styraciflua	17	Specimen	
113	QUAE	Black Oak	Quercus alba	24	Specimen	
114	LITU	Tup. Poplar	Liriodendron tulipifera	22	Specimen	
115	QUAE	Black Oak	Quercus alba	17	Specimen	
116	QUAE	Black Oak	Quercus alba	16	Specimen	
117	LEST	Sw.veglum	Liquidambar styraciflua	16	Specimen	
118	FRAX	Ash	Fraxinus species	20	Specimen	
119	CATO	Mockernut Hickory	Carya tomentosa	12	Specimen	
120	QUAE	Black Oak	Quercus alba	19	Specimen	
121	QUAE	Black Oak	Quercus alba	17	Specimen	
122	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
123	QUAE	Black Oak	Quercus alba	25	Specimen	
124	CATO	Mockernut Hickory	Carya tomentosa	13	Specimen	
125	QUAE	Black Oak	Quercus alba	24	Specimen	
126	LEST	Sw.veglum	Liquidambar styraciflua	14	Specimen	
127	FRAX	Ash	Fraxinus species	14	Specimen	
128	FRAX	Ash	Fraxinus species	15	Specimen	
129	FRAX	Ash	Fraxinus species	13	Specimen	
130	FRAX	Ash	Fraxinus species	12	Specimen	
131	LSP	American Holly	Ilex opaca	6	Specimen	
132	LEST	Sw.veglum	Liquidambar styraciflua	22	Specimen	
133	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
134	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
135	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
136	LEST	Sw.veglum	Liquidambar styraciflua	13	Specimen	
137	QUAE	Black Oak	Quercus alba	13	Specimen	
138	QUAE	Black Oak	Quercus alba	10	Specimen	
139	QUAE	Black Oak	Quercus alba	12	Specimen	
140	CATO	Mockernut Hickory	Carya tomentosa	22	Specimen	
141	FRAX	Ash	Fraxinus species	12	Specimen	
142	QUAE	Black Oak	Quercus alba	19	Specimen	
143	QUAE	Black Oak	Quercus alba	21	Specimen	
144	QUAE	Black Oak	Quercus alba	18	Specimen	
145	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
146	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
147	QUAE	Black Oak	Quercus alba	19	Specimen	
148	QUAE	Black Oak	Quercus alba	13	Specimen	
149	QUAE	Black Oak	Quercus alba	23	Specimen	
150	QUAE	Black Oak	Quercus alba	18	Specimen	
151	LEST	Sw.veglum	Liquidambar styraciflua	18	Specimen	
152	CATO	Mockernut Hickory	Carya tomentosa	13	Specimen	
153	FRAX	Ash	Fraxinus species	22	Specimen	
154	CATO	Mockernut Hickory	Carya tomentosa	12	Specimen	
155	LEST	Sw.veglum	Liquidambar styraciflua	12	Specimen	
156	QUAE	Black Oak	Quercus alba	12	Specimen	
157	QUAE	Black Oak	Quercus alba	12	Specimen	
158	LEST	Sw.veglum	Liquidambar styraciflua	13	Specimen	
159	QUAE	Black Oak	Quercus alba	14	Specimen	
160	QUAE	Black Oak	Quercus alba	16	Specimen	
161	CATO	Mockernut Hickory	Carya tomentosa	16	Specimen	
162	QUAE	Black Oak	Quercus alba	19	Specimen	
163	QUAE	Black Oak	Quercus alba	18	Specimen	
164	QUAE	Black Oak	Quercus alba	17	Specimen	
165	CATO	Mockernut Hickory	Carya tomentosa	17	Specimen	
166	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
167	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
168	QUAE	Black Oak	Quercus alba	13	Specimen	
169	QUAE	Black Oak	Quercus alba	18	Specimen	
170	QUAE	Black Oak	Quercus alba	18	Specimen	
171	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
172	QUAE	Black Oak	Quercus alba	22	Specimen	
173	LITU	Tup. Poplar	Liriodendron tulipifera	14	Specimen	
174	FRAX	Ash	Fraxinus species	17	Specimen	
175	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
176	QUAE	Black Oak	Quercus alba	19	Specimen	
177	QUAE	Black Oak	Quercus alba	19	Specimen	
178	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
179	QUAE	Black Oak	Quercus alba	15	Specimen	
180	LITU	Tup. Poplar	Liriodendron tulipifera	14	Specimen	

181	LEST	Sw.veglum	Liquidambar styraciflua	22	Specimen	
182	LEST	Sw.veglum	Liquidambar styraciflua	12	Specimen	
183	LITU	Tup. Poplar	Liriodendron tulipifera	30	Specimen	
184	LITU	Tup. Poplar	Liriodendron tulipifera	23	Specimen	
185	LITU	Tup. Poplar	Liriodendron tulipifera	22	Specimen	
186	QUAE	White Oak	Quercus alba	29	Specimen	
187	QUAE	White Oak	Quercus alba	23	Specimen	
188	QUAE	White Oak	Quercus alba	16	Specimen	
189	QUAE	White Oak	Quercus alba	20	Specimen	
190	QUAE	Black Oak	Quercus macrocarpa	20	Specimen	
191	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
192	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
193	LITU	Tup. Poplar	Liriodendron tulipifera	19	Specimen	
194	QUAE	White Oak	Quercus alba	14	Specimen	
195	QUAE	White Oak	Quercus alba	24	Specimen	
196	QUAE	White Oak	Quercus alba	14	Specimen	
197	QUAE	White Oak	Quercus alba	18	Specimen	
198	QUAE	White Oak	Quercus alba	22	Specimen	
199	QUAE	White Oak	Quercus alba	16	Specimen	
200	LITU	Tup. Poplar	Liriodendron tulipifera	28	Specimen	
201	CARYA	Hickory	Carya specios	20	Specimen	
202	CATO	Mockernut Hickory	Carya tomentosa	18	Specimen	
203	LITU	Tup. Poplar	Liriodendron tulipifera	27	Specimen	
204	QUAE	White Oak	Quercus alba	15	Specimen	
205	QUAE	White Oak	Quercus alba	21	Specimen	
206	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
207	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
208	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
209	QUAE	White Oak	Quercus alba	15	Specimen	
210	LITU	Tup. Poplar	Liriodendron tulipifera	13	Specimen	
211	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
212	LITU	Tup. Poplar	Liriodendron tulipifera	13	Specimen	
213	LITU	Tup. Poplar	Liriodendron tulipifera	14	Specimen	
214	LITU	Tup. Poplar	Liriodendron tulipifera	16	Specimen	
215	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
216	QUAE	White Oak	Quercus alba	16	Specimen	
217	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
218	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
219	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
220	LITU	Tup. Poplar	Liriodendron tulipifera	12	Specimen	
221	LITU	Tup. Poplar	Liriodendron tulipifera	22	Specimen	
222	LITU	Tup. Poplar	Liriodendron tulipifera	27	Specimen	
223	CATO	Mockernut Hickory	Carya tomentosa	18	Specimen	
224	CARYA	Hickory	Carya specios	13	Specimen	
225	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
226	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
227	QUAE	White Oak	Quercus alba	20	Specimen	
228	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
229	QUAE	White Oak	Quercus alba	15	Specimen	
230	QUAE	White Oak	Quercus alba	21	Specimen	
231	LITU	Tup. Poplar	Liriodendron tulipifera	23	Specimen	
232	CARYA	Hickory	Carya specios	17	Specimen	
233	QUAE	White Oak	Quercus alba	12	Specimen	
234	QUAE	White Oak	Quercus alba	22	Specimen	
235	QUAE	White Oak	Quercus alba	15	Specimen	
236	LEST	Sw.veglum	Liquidambar styraciflua	17	Specimen	
237	LEST	Sw.veglum	Liquidambar styraciflua	13	Specimen	
238	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
239	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
240	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
241	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
242	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
243	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
244	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
245	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
246	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
247	LITU	Tup. Poplar	Liriodendron tulipifera	42	Specimen	
248	QUAE	White Oak	Quercus alba	27	Specimen	
249	QUAE	White Oak	Quercus alba	26	Specimen	
250	QUAE	White Oak	Quercus alba	26	Specimen	
251	CATO	Mockernut Hickory	Carya tomentosa	18	Specimen	
252	QUAE	White Oak	Quercus alba	21	Specimen	
253	QUAE	White Oak	Quercus alba	21	Specimen	
254	QUAE	White Oak	Quercus alba	12	Specimen	
255	QUAE	White Oak	Quercus alba	21	Specimen	
256	QUAE	White Oak	Quercus alba	22	Specimen	
257	CATO	Mockernut Hickory	Carya tomentosa	13	Specimen	
258	QUAE	White Oak	Quercus alba	22	Specimen	
259	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
260	CATO	Mockernut Hickory	Carya tomentosa	14	Specimen	
261	CATO	Mockernut Hickory	Carya tomentosa	14	Specimen	
262	LEST	Sw.veglum	Liquidambar styraciflua	24	Specimen	
263	LEST	Sw.veglum	Liquidambar styraciflua	16	Specimen	
264	CATO	Mockernut Hickory	Carya tomentosa	15	Specimen	
265	QUAE	White Oak	Quercus alba	24	Specimen	
266	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
267	LEST	Sw.veglum	Liquidambar styraciflua	18	Specimen	
268	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
269	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
270	LITU	Tup. Poplar	Liriodendron tulipifera	24	Specimen	
271	QUAE	White Oak	Quercus alba	15	Specimen	
272	LEST	Sw.veglum	Liquidambar styraciflua	14	Specimen	
273	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
274	LEST	Sw.veglum	Liquidambar styraciflua	18	Specimen	
275	CATO	Mockernut Hickory	Carya tomentosa	12	Specimen	
276	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
277	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
278	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
279	QUAE	White Oak	Quercus alba	22	Specimen	
280	QUAE	White Oak	Quercus alba	21	Specimen	
281	QUAE	White Oak	Quercus alba	21	Specimen	
282	QUAE	White Oak	Quercus alba	21	Specimen	
283	QUAE	White Oak	Quercus alba	21	Specimen	
284	QUAE	White Oak	Quercus alba	26	Specimen	
285	QUAE	White Oak	Quercus alba	15	Specimen	
286	QUAE	White Oak	Quercus alba	29	Specimen	
287	LITU	Tup. Poplar	Liriodendron tulipifera	12	Specimen	
288	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
289	QUAE	White Oak	Quercus alba	15	Specimen	
290	QUAE	White Oak	Quercus alba	21	Specimen	
291	QUAE	White Oak	Quercus alba	15	Specimen	
292	QUAE	White Oak	Quercus alba	18	Specimen	
293	QUAE	Black Oak	Quercus velutina	19	Specimen	
294	QUAE	Black Oak	Quercus velutina	19	Specimen	
295	QUAE	White Oak	Quercus alba	17	Specimen	
296	QUAE	White Oak	Quercus alba	17	Specimen	
297	LITU	Tup. Poplar	Liriodendron tulipifera	18	Specimen	
298	QUAE	White Oak	Quercus alba	15	Specimen	
299	QUAE	White Oak	Quercus alba	15	Specimen	
300	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
301	QUAE	White Oak	Quercus alba	26	Specimen	
302	QUAE	White Oak	Quercus alba	14	Specimen	
303	LEST	Sw.veglum	Liquidambar styraciflua	13	Specimen	
304	LEST	Sw.veglum	Liquidambar styraciflua	15	Specimen	
305	LITU	Tup. Poplar	Liriodendron tulipifera	24	Specimen	
306	QUAE	White Oak	Quercus alba	21	Specimen	
307	QUAE	White Oak	Quercus velutina	15	Specimen	
308	LITU	Tup. Poplar	Liriodendron tulipifera	28	Specimen	
309	LEST	Sw.veglum	Liquidambar styraciflua	12	Specimen	
310	LITU	Tup. Poplar	Liriodendron tulipifera	23	Specimen	
311	LITU	Tup. Poplar	Liriodendron tulipifera	23	Specimen	
312	LITU	Tup. Poplar	Liriodendron tulipifera	20	Specimen	
313	LITU	Tup. Poplar	Liriodendron tulipifera	24	Specimen	
314	QUAE	White Oak	Quercus alba	17	Specimen	
315	LITU	Tup. Poplar	Liriodendron tulipifera	22	Specimen	
316	QUAE	Black Oak	Quercus velutina	11	Specimen	
317	QUAE	White Oak	Quercus alba	15	Specimen	
318	LITU	Tup. Poplar	Liriodendron tulipifera	21	Specimen	
319	QUAE	Black Oak	Quercus velutina	16	Specimen	
320	AGRU	Red Maple	Acer rubrum	24	Specimen	
321	QUAE	White Oak	Quercus alba	18	Specimen	
322	QUAE	White Oak	Quercus alba	18	Specimen	
323	QUAE	Black Oak	Quercus velutina	29	Specimen	
324	QUAE	Black Oak	Quercus velutina	29	Specimen	
325	PTA	Likely Pine	Pinus bresl	18	Specimen	
326	QUAE	White Oak	Quercus alba	12	Specimen	
327	QUAE	White Oak	Quercus alba	15	Specimen	
328	QUAE	White Oak	Quercus alba	25	Specimen	
329	LITU	Tup. Poplar	Liriodendron tulipifera	26	Specimen	
330	CARYA	Hickory	Carya specios	14	Specimen	
331	LITU	Tup. Poplar	Liriodendron tulipifera	17	Specimen	
332	QUAE	White Oak	Quercus alba	12	Specimen	
333	QUAE	White Oak	Quercus alba	22	Specimen	
334	QUAE	White Oak	Quercus alba	14	Specimen	
335	QUAE	White Oak	Quercus alba	14	Specimen	
336	LEST	Sw.veglum	Liquidambar styraciflua	14	Specimen	
337	QUAE	White Oak	Quercus alba	20	Specimen	
338	LEST	Sw.veglum	Liquidambar styraciflua	14	Specimen	
339	QUAE	White Oak	Quercus alba	15	Specimen	
340	LITU	Tup. Poplar	Liriodendron tulipifera	15	Specimen	
341	QUAE	White Oak	Quercus alba	18	Specimen	
342	QUAE	Black Oak	Quercus velutina	18	Specimen	
343	QUAE	White Oak	Quercus alba	18	Specimen	
344	QUAE	White Oak	Quercus alba	22	Specimen	
345	QUAE	White Oak	Quercus alba	18	Specimen	
346	QUAE	White Oak	Quercus alba	12	Specimen	
347	QUAE	White Oak	Quercus alba	15	Specimen	
348	CATO	Mockernut Hickory	Carya tomentosa	20	Specimen	
349	QUAE	White Oak	Quercus alba	20	Specimen	
350	LITU	Tup. Poplar	Liriodendron tulipifera	27	Specimen	
351	QUAE	White Oak	Quercus alba	22	Specimen	
352	QUAE	Black Oak	Quercus velutina	12	Specimen	
353	QUAE	White Oak	Quercus alba	18	Specimen	
354	QUAE	White Oak	Quercus alba	18	Specimen	
355	QUAE	White Oak	Quercus alba	18	Specimen	
356	QUAE	White Oak	Quercus alba	18	Specimen	
357	QUAE	White Oak	Quercus alba	18	Specimen	
358	QUAE	White Oak	Quercus alba	18	Specimen	
359	QUAE	White Oak	Quercus alba	18	Specimen	
360	QUAE	White Oak	Quercus alba	18	Specimen	
361	QUAE	White Oak	Quercus alba	18	Specimen	
362	QUAE	White Oak	Quercus alba	18	Specimen	
363	QUAE	White Oak	Quercus alba	18	Specimen	
364	QUAE	White Oak	Quercus alba	18	Specimen	
365	QUAE	White Oak	Quercus alba	18	Specimen	
366	QUAE	White Oak	Quercus alba	18	Specimen	
367	QUAE	White Oak	Quercus alba	18	Specimen	
368	QUAE	White Oak	Quercus alba	18	Specimen	
369	QUAE	White Oak	Quercus alba	18	Specimen	
370	QUAE	White Oak	Quercus alba	18	Specimen	
371	QUAE	White Oak	Quercus alba	18	Specimen	
372	QUAE	White Oak	Quercus alba	18	Specimen	
373	QUAE	White Oak	Quercus alba	18	Specimen	
374	QUAE	White Oak	Quercus alba	18	Specimen	
375	QUAE	White Oak	Quercus alba	18	Specimen	
376	QUAE	White Oak	Quercus alba	18	Specimen	
377	QUAE	White Oak	Quercus alba	18	Specimen	
378	QUAE	White Oak	Quercus alba	18	Specimen	
379	QUAE	White Oak	Quercus alba	18	Specimen	
380	QUAE	White Oak	Quercus alba	18	Specimen	
381	QUAE	White Oak	Quercus alba	18	Specimen	
382	QUAE	White Oak	Quercus alba	18	Specimen	
383	QUAE	White Oak	Quercus alba	18	Specimen	
384	QUAE	White Oak	Quercus alba	18	Specimen	
385	QUAE	White Oak	Quercus alba	18	Specimen	
386	QUAE	White Oak	Quercus alba	18	Specimen	
387	QUAE	White Oak	Quercus alba	18	Specimen	
388	QUAE	White Oak	Quercus alba	18	Specimen	
389	QUAE	White Oak	Quercus alba	18	Specimen	
390	QUAE	White Oak	Quercus alba	18	Specimen	
391	QUAE	White Oak	Quercus alba	18	Specimen	
392	QUAE	White Oak	Quercus alba	18	Specimen	
393	QUAE	White Oak	Quercus alba	18	Specimen	
394	QUAE	White Oak	Quercus alba	18	Specimen	
395	QUAE	White Oak	Quercus alba	18	Specimen	
396	QUAE	White Oak	Quercus alba	18	Specimen	
397	QUAE	White Oak	Quercus alba	18	Specimen	
398	QUAE	White Oak	Quercus alba	18	Specimen	
399	QUAE	White Oak	Quercus alba	18	Specimen	
400	QUAE	White Oak	Quercus alba	18	Specimen	
401	QUAE	White Oak	Quercus alba	18	Specimen	
402	QUAE	White Oak	Quercus alba	18	Specimen	
403	QUAE	White Oak	Quercus alba	18	Specimen	
404	QUAE	White Oak				



1. A PRE-CONSTRUCTION CONFERENCE MAY BE REQUIRED WITH THE TOWN'S URBAN FORESTER PRIOR TO BEGINNING SITE WORK. PLEASE CONTACT ADAM NICHOLSON AT 919.969.5006.
2. ANY TREE ROOTS EXPOSED DURING DEMOLITION/CONSTRUCTION WILL BE SEVERED CLEANLY WITH AN APPROPRIATE AND SHARPENED ROOT PRUNING TOOL.
3. THE SOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES WILL NOT BE DRIVEN ON OR OTHERWISE DISTURBED DURING THE INSTALLATION OF LANDSCAPING.
4. (2) LANDSCAPE PROTECTION SUPERVISORS MUST REGISTER WITH THE TOWN. CONTACT ADAM NICHOLSON AT 919.969.5006 FOR THAT REVIEW. ON THE DAY OF THE LANDSCAPE PROTECTION SUPERVISOR WHO ARE REGISTERED WITH THE TOWN OF CHAPEL HILL WILL BE PRESENT ON SITE AT ALL TIMES ANY LAND DISTURBING ACTIVITY IS OCCURRING.

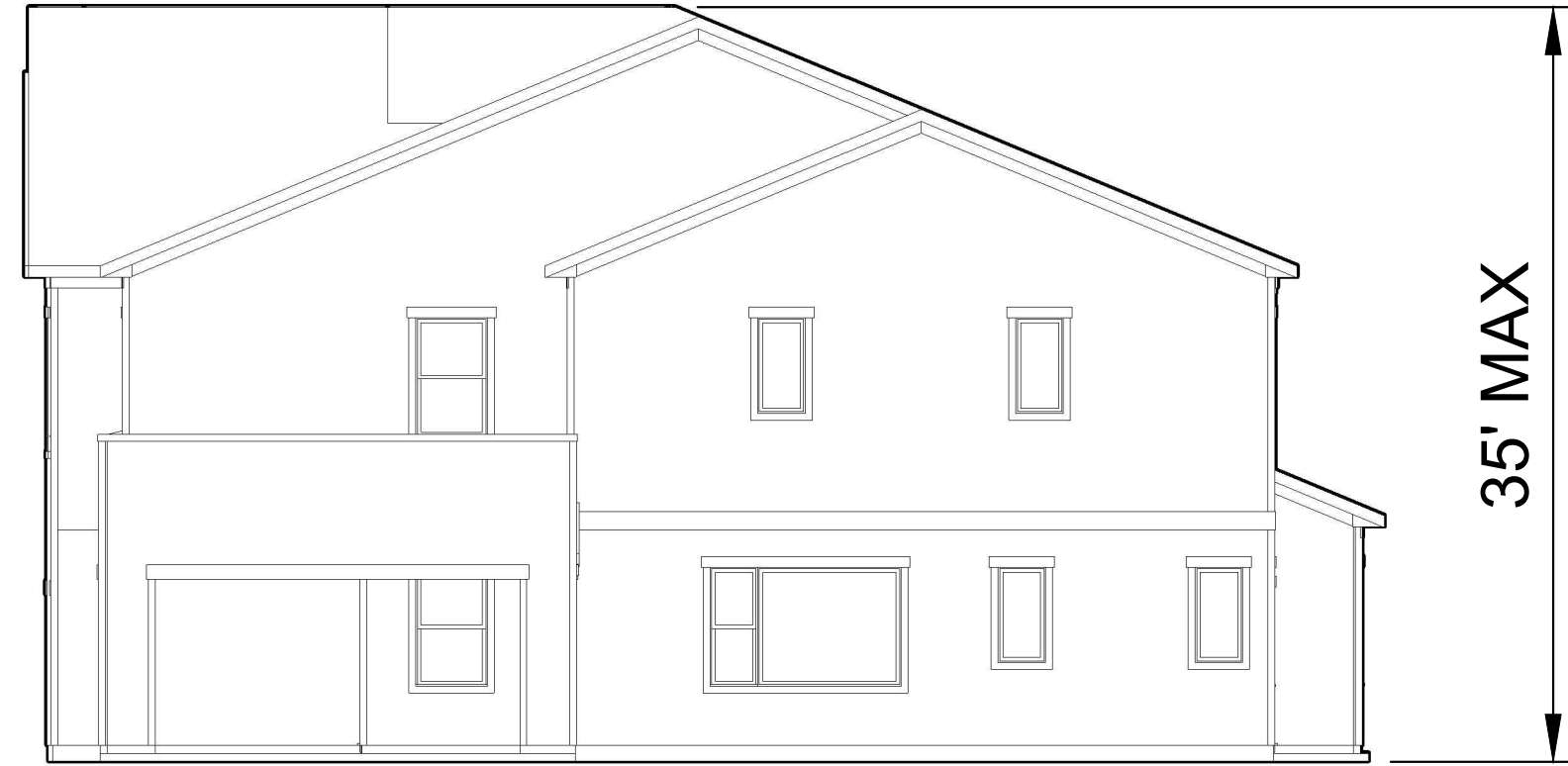
- 3 SHRUB - EXISTING IN-SITU SOIL
SECTION



10. PERFORM PERCOLATION TEST FOR EACH TREE PIT TO CONFIRM THAT WATER DRAINS OUT OF THE SOIL. PROVIDE GRAVEL SUMP FILTER FABRIC & VENT PIPE IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS. INCLUDE ALL SUMPS IN BASE BID. SHOULD SUMPS NOT BE NECESSARY AFTER PERCOLATION TEST, PROVIDE CHANGE ORDER DEDUCT TO OWNER.
11. IF PLANTING HOLES ARE DUG WITH A LARGE AUGER BREAKING DOWN THE SIDES WITH A SHOVEL CAN ELIMINATE GLAZING AND CREATE THE PREFERRED SLOPING SIDE.
12. TREES SHALL HAVE SINGLE LEADERS. TREES WITH 2 LEADERS WILL BE REJECTED.
13. DO NOT PLACE MULCH IN CONTACT WITH TRUNK.
14. PROVIDE GATOR BAGS FOR ALL TREES WHERE IRRIGATION IS NOT PROVIDED.

Drawn by: SM
Approved by: CH

L7.90



④ BUILDING ELEVATION - RIGHT
Scale: 1/8" = 1'-0"



③ BUILDING ELEVATION - REAR
Scale: 1/8" = 1'-0"



② BUILDING ELEVATION - LEFT
Scale: 1/8" = 1'-0"



① BUILDING ELEVATION - FRONT
Scale: 1/8" = 1'-0"