

SITE PLAN REVIEW
APPLICATION



TOWN OF CHAPEL HILL
Planning Department
405 Martin Luther King Jr. Blvd
phone (919) 968-2728 fax (919) 969-2014
www.townofchapelhill.org

Revised: 8/23/18

Parcel Identifier Number (PIN):

9870.45.0445

Date:

5/22/17

Section A: Project Information

Project Name: WEST ST. MARK CHURCH OF CHRIST (DISCIPLES OF CHRIST)
Property Address: 7700 ROGERS ROAD Zip Code: 27516
Use Groups (A, B, and/or C): B Existing Zoning District: R-1
Project Description: A SMALL NEIGHBOR CHURCH CONSISTING OF OFFICE
MEET. HC TOILETS, WORSHIP FOR 60, PARKING FOR 19

Section B: Applicant, Owner and/or Contract Purchaser Information

Applicant Information (to whom correspondence will be mailed)

Name: Timothy Peppers Sr
Address: 8100 Rogers Rd
City: Chapel Hill State: NC Zip Code: 27516
Phone: 919-929-6690 Email: peppersdoc@aol.com

The undersigned applicant hereby certifies that, to the best of his knowledge and belief, all information supplied with this application is true and accurate.

Signature: Timothy Peppers Date: 05-24-2017

Owner/Contract Purchaser Information:

Owner Contract Purchaser

Name: Timothy Peppers Sr.
Address: 8100 Rogers Rd
City: Chapel Hill State: NC Zip Code: 27516
Phone: 919-929-6690 Email: same

The undersigned applicant hereby certifies that, to the best of his knowledge and belief, all information supplied with this application is true and accurate.

Signature: Timothy Peppers Date: 05-24-2017

Click here <http://chplan.us/TechnicalReviewSubmittals> for application submittal instructions.



PROJECT FACT SHEET

TOWN OF CHAPEL HILL
Planning Department

Section A: Project Information

Application type: _____

Date: _____

Project Name:

WEST ST. MARK CHURCH OF CHRIST

Use Type: (check/list all that apply)

Office/Institutional

Residential

Mixed-Use

Other: ECCLESIASTICAL

Overlay District: (check all those that apply)

Historic District

Neighborhood Conservation District

Airport Hazard Zone

Section B: Land Area

Net Land Area (NLA): Area within zoning lot boundaries		NLA=	22,398	sq. ft.
Choose one, or both, of the following (a or b,) not to exceed 10% of NLA	a) Credited Street Area (total adjacent frontage) x 1/2 width of public right-of-way	CSA=		sq. ft.
	b) Credited Permanent Open Space (total adjacent frontage) x 1/2 public or dedicated open space	COS=		sq. ft.
TOTAL: NLA + CSA and/or COS = Gross Land Area (not to exceed NLA + 10%)		GLA=	24,638	sq. ft.

Section C: Special Protection Areas, Land Disturbance, and Impervious Area

Special Protection Areas: (check all those that apply)

Jordan Buffer

Resource Conservation District

100 Year Floodplain

Watershed Protection District

Land Disturbance	Total (sq ft)
Area of Land Disturbance (Includes: Footprint of proposed activity plus work area envelope, staging area for materials, access/equipment paths, all grading, including off-site clearing)	13,382
Area of Land Disturbance within RCD	
Area of Land Disturbance within Jordan Buffer	

Impervious Areas	Existing (sq ft)	Demolition (sq ft)	Proposed (sq ft)	Total (sq ft)
Impervious Surface Area (ISA)				9,073
Impervious Surface Ratio: Percent Impervious Surface Area of Gross Land Area (ISA/GLA) %				36.83%
If located in Watershed Protection District, % of impervious surface on 7/1/1993				



PROJECT FACT SHEET

TOWN OF CHAPEL HILL

Planning Department

Section D: Dimensions

Dimensional Unit (sq ft)	Existing (sq ft)	Demolition (sq ft)	Proposed (sq ft)	Total (sq ft)
Number of Buildings			1,175 (1)	1,175
Number of Floors			1	1
Recreational Space			N/A	

Residential Space

Dimensional Unit (sq ft)	Existing (sq ft)	Demolition (sq ft)	Proposed (sq ft)	Total (sq ft)
Floor Area (all floors – heated and unheated)				1,175
Total Square Footage of All Units				
Total Square Footage of Affordable Units				
Total Residential Density				
Number of Dwelling Units				
Number of Affordable Dwelling Units				
Number of Single Bedroom Units				
Number of Two Bedroom Units				
Number of Three Bedroom Units				

Non-Residential Space (Gross Floor Area in Square Feet)

Use Type	Existing	Proposed	Uses	Existing	Proposed
Commercial					
Restaurant			# of Seats		
Government					
Institutional					
Medical					
Office					
Hotel			# of Rooms		
Industrial					
Place of Worship		1,175	# of Seats		60
Other					

Dimensional Requirements		Required by Ordinance	Existing	Proposed
Setbacks (minimum)	Street	29'		151'
	Interior (neighboring property lines)	14'		24'
	Solar (northern property line)	17'		21'
Height (maximum)	Primary	29'		11'
	Secondary	40'		18'
Streets	Frontages	64'	137.89'	
	Widths	80'	60' R/W	



PROJECT FACT SHEET

TOWN OF CHAPEL HILL

Planning Department

Section F: Adjoining or Connecting Streets and Sidewalks

(Note: For approval of proposed street names, contact the Engineering Department)

Street Name	Right-of-way Width	Pavement Width	Number of Lanes	Existing Sidewalk*	Existing curb/gutter
ROGERS RD (EXISTING)	60'	30'	2	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes

List Proposed Points of Access (Ex: Number, Street Name):

*If existing sidewalks do not exist and the applicant is adding sidewalks, please provide the following information:

Sidewalk Information			
Street Names	Dimensions	Surface	Handicapped Ramps
			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Section G: Parking Information

Parking Spaces	Minimum	Maximum	Proposed
Regular Spaces	11	29	18/19
Handicap Spaces	1	1	1
Total Spaces	12	30	18/19
Loading Spaces			
Bicycle Spaces	1	1	1
Surface Type	COMBO 78 GRADE (3/8") * 57 GRADE (3/4") CLEAN STONE (NO FINES) WITH DIGITARI & COGNATA BINDER (CAROLINA CRABGRASS)		

Section H: Landscape Buffers

Location (North, South, Street, Etc.)	Minimum Width	Proposed Width	Alternate Buffer	Modify Buffer
NORTH @ BUILDING (C)	20'	20' *	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
SOUTH @ BUILDING (C)	20'	20' *	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
EAST @ BUILDING (C)	20'	20'	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
WEST @ STREET) PER SECTION 3	3.1, 2(a) & (b)	3.1, 2(a) & (b)	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes

* PER SECTION 3 3.1.2(a) & (b)



PROJECT FACT SHEET

TOWN OF CHAPEL HILL

Planning Department

Section I: Land Use Intensity

Existing Zoning District:

Proposed Zoning Change (if any):

Note: Refer to Table 3.8-1 (Dimensional Matrix) in the Land Use Management Ordinance for help completing this table.

Zoning – Area – Ratio			Impervious Surface Thresholds			Minimum and Maximum Limitations	
Zoning District(s)	Floor Area Ratio (FAR)	Recreation Space Ratio (RSR)	Low Density Residential (0.24)	High Density Residential (0.50)	Non-Residential (0.70)	Maximum Floor Area (MFA) = FAR x GLA	Minimum Recreation Space (MSR) = RSR x GLA
R-1	.076						
TOTAL	20089F					1,872	
RCD Streamside		0.01					
RCD Managed		0.019					
RCD Upland							

Section J: Utility Service

Check all that apply

Water	<input checked="" type="checkbox"/> OWASA	<input type="checkbox"/> Individual Well	<input type="checkbox"/> Community Well	<input type="checkbox"/> Other
Sewer	<input checked="" type="checkbox"/> OWASA *	<input type="checkbox"/> Individual Septic Tank	<input type="checkbox"/> Community Package Plant	<input type="checkbox"/> Other
Electrical	<input type="checkbox"/> Underground	<input checked="" type="checkbox"/> Above Ground		
Telephone	<input type="checkbox"/> Underground	<input checked="" type="checkbox"/> Above Ground		
Solid Waste	<input type="checkbox"/> Town	<input checked="" type="checkbox"/> Private		



5/25/17 Completeness check

SITE PLAN REVIEW APPLICATION
SUBMITTAL REQUIREMENTS
TOWN OF CHAPEL HILL
Planning Department

The following must accompany your application. Failure to do so will result in your application being considered incomplete. For assistance with this application, please contact the Chapel Hill Planning Department (Planning) at (919)968-2728 or at planning@townofchapelhill.org. For detailed information, please refer to the Description of Detailed Information handout.

- Application fee (including Engineering Review fee) (refer to fee schedule) Amount Paid \$
- Pre-application meeting – with appropriate staff ?
- Digital Files - provide digital files of all plans and documents
- Recorded Plat or Deed of Property
- Project Fact Sheet
- Traffic Impact Statement – completed by Town’s consultant (or exemption)
- Mailing list of owners of property within 1,000 feet perimeter of subject property (see GIS notification tool)
- Mailing fee for above mailing list (mailing fee is double due to 2) Amount Paid \$
- Written Narrative describing the proposal
- Resource Conservation District, Floodplain, & Jordan Buffers Determination - necessary for all submittals
- Jurisdictional Wetland Determination – if applicable ?
- Resource Conservation District Encroachment Exemption or Variance (determined by Planning)
- Jordan Buffer Authorization Certificate or Mitigation Plan Approval (determined by Planning)
- Reduced Site Plan Set (reduced to 8.5"x11")

Stormwater Impact Statement (1 copy to be submitted)

- a) Written narrative describing existing & proposed conditions, anticipated stormwater impacts and management structures and strategies to mitigate impacts
- b) Description of land uses and area (in square footage)
- c) Existing and proposed Impervious surface area in square feet for all subareas and project area
- d) Ground cover and uses information
- e) Soil information (classification, infiltration rates, depth to groundwater and bedrock)
- f) Time of concentration calculations and assumptions
- g) Topography (2-foot contours)
- h) Pertinent on-site and off-site drainage conditions
- i) Upstream and/or downstream volumes
- j) Discharges and velocities
- k) Backwater elevations and effects on existing drainage conveyance facilities
- l) Location of jurisdictional wetlands and regulatory FEMA Special Flood Hazard Areas
- m) Water quality volume calculations
- n) Drainage areas and sub-areas delineated
- o) Peak discharge calculations and rates (1, 2, and 25-year storms)
- p) Hydrographs for pre- & post-development without mitigation, post-development with mitigation
- q) Volume calculations and documentation of retention for 2-year storm
- r) 85% TSS removal for post-development stormwater run-off



- s) Nutrient loading calculations
- t) BMP sizing calculations
- u) Pipe sizing calculations and schedule (include HGL & EGL calculations and profiles)

Plan Sets (10 copies to be submitted no larger than 24"x36")

- ✓ Plans should be legible and clearly drawn. All plan sets sheets should include the following:
- Project Name
 - Legend
 - Labels
 - North Arrow (North oriented toward top of page)
 - Property Boundaries with bearing and distances
 - Scale (Engineering), denoted graphically and numerically
 - Setbacks
 - Streams, RCD Boundary, Jordan Riparian Buffer Boundary, Floodplain, and Wetlands Boundary, where applicable
 - Revision dates and professional seals and signatures, as applicable

Area Map

- ✓
- a) Project name, applicant, contact information, location, PIN, & legend
 - b) Dedicated open space, parks, greenways
 - c) Overlay Districts, if applicable
 - d) Property lines, zoning district boundaries, land uses, project names of site and surrounding properties, significant buildings, corporate limit lines
 - e) Existing roads (public & private), rights-of-way, sidewalks, driveways, vehicular parking areas, bicycle parking, handicapped parking, street names.
 - f) 1,000' notification boundary

Existing Conditions Plan

- ✓
- a) Slopes, soils, environmental constraints, existing vegetation, and any existing land features
 - b) Location of all existing structures and uses
 - c) Existing property line and right-of-way lines
 - d) Existing utilities & easements including location & sizes of water, sewer, electrical, & drainage lines
 - e) Nearest fire hydrants
 - f) Nearest bus shelters and transit facilities
 - g) Existing topography at minimum 2-foot intervals and finished grade
 - h) Natural drainage features & water bodies, floodways, floodplain, RCD, Jordan Buffers, & Watershed boundaries



Detailed Site Plan

- ✓ a) Existing and proposed building locations
- b) Description & analysis of adjacent land uses, roads, topography, soils, drainage patterns, environmental constraints, features, existing vegetation, vistas (on & off-site)
- c) Location, arrangement, & dimension of vehicular parking, width of aisles and bays, angle of parking, number of spaces, handicapped parking, bicycle parking . Typical pavement sections & surface type
- d) Location of existing and proposed fire hydrants
- e) Location and dimension of all vehicle entrances, exits, and drives
- f) Dimensioned street cross-sections and rights-of-way widths
- g) Pavement and curb & gutter construction details
- h) Dimensioned sidewalk and tree lawn cross-sections
- i) Proposed transit improvements including bus pull-off and/or bus shelter
- j) Required landscape buffers (or proposed alternate/modified buffers)
- k) Required recreation area/space (including written statement of recreation plans)
- l) Refuse collection facilities (existing and proposed) or shared dumpster agreement
- m) Construction parking, staging, storage area, and construction trailer location
- n) Sight distance triangles at intersections
- o) Proposed location of street lights and underground utility lines and/or conduit lines to be installed
- p) Easements
- q) Clearing and construction limits
- r) Traffic Calming Plan – detailed construction designs of devices proposed & associated sign & marking plan

Stormwater Management Plan

- ✓ a) Topography (2-foot contours)
- b) Existing drainage conditions
- c) RCD and Jordan Riparian Buffer delineation and boundary (perennial & intermittent streams, note ephemeral streams on site)
- d) Proposed drainage and stormwater conditions
- e) Drainage conveyance system (piping)
- f) Roof drains
- g) Easements
- h) BMP plans, dimensions, details, and cross-sections
- i) Planting and stabilization plans and specifications

Landscape Protection Plan

- ✓ a) Rare, specimen, and significant tree survey within 50 feet of construction area
- b) Rare and specimen tree critical root zones
- c) Rare and specimen trees proposed to be removed
- d) Certified arborist tree evaluation, if applicable



- e) Significant tree stand survey
- f) Clearing limit line
- g) Proposed tree protection /silt fence location
- h) Pre-construction/demolition conference note
- j) Landscape protection supervisor note
- k) Existing and proposed tree canopy calculations, if applicable

Planting Plan

Steep Slope Plan

N/A

- b) On-site buffer
- c) Landscape buffer and parking lot planting plan (including planting strip between parking and building, entryway planting, and 35% shading requirement)
- a) Classify and quantify slopes 0-10%, 10-15%, 15-25% and 25% and greater
- b) Show and quantify areas of disturbance in each slope category
- c) Provide/show specialized site design and construction techniques

Grading and Erosion Control Plan

✓

- a) Topography (2-foot contours)
- b) Limits of Disturbance
- c) Pertinent off-site drainage features
- d) Existing and proposed impervious surface tallies

Streetscape Plan, if applicable

N/A

- a) Public right-of-way existing conditions plan
- b) Streetscape demolition plan
- c) Streetscape proposed improvement plan
- d) Streetscape proposed utility plan and details
- e) Streetscape proposed pavement/sidewalk details
- f) Streetscape proposed furnishing details
- g) Streetscape proposed lighting details



Solid Waste Plan

- ✓ a) Preliminary Solid Waste Management Plan
- b) Existing and proposed dumpster pads parking and construction equipment parking
- c) Proposed and site of parking and materials storage area
- d) Description of heavy duty paved vehicle locations and paved project site and construction
- e) Delivery and shared waste agreement, if applicable

Construction Management Plan

- ✓ a) Description of how project will be 20% more energy efficient than ASHRAE Standards
- b) Description of utilization of sustainable forms of energy (Solar, Wind, Hydroelectric, and Biofuels)
- c) Participation in NC GreenPower program
- d) Description of how project will ensure indoor air quality, adequate access to natural lighting, and allow for proposed utilization of sustainable energy
- e) Description of how project will maintain commitment to energy efficiency and reduced carbon footprint over time

Energy Management Plan

- ✓ a) consumption as it affects the community
- a) An outline of each elevation of the building, including the finished grade line along the foundation (height of building measured from mean natural grade).

Exterior Elevations

✓

980.4510746

SHEET INDEX

COVER SHEET	C-1
EXISTING CONDITIONS	C-2
EROSION CONTROL AND DEMOLITION PLAN	C-3
SITE, UTILITY, GRADING & STORM DRAINAGE PLAN	C-4
LANDSCAPING PLAN	C-5
LIGHTING PLAN	C-6
DETAILS	D-1
DETAILS	D-2

ZONING COMPLIANCE PERMIT PLANS FOR WEST ST. MARKS CHURCH OF CHRIST

7708 ROGERS ROAD
CHAPEL HILL, NC 27516

AUGUST 23, 2018
REVISED: NOVEMBER 30, 2018
REVISED: DECEMBER 5, 2018
REVISED: MARCH 11, 2019

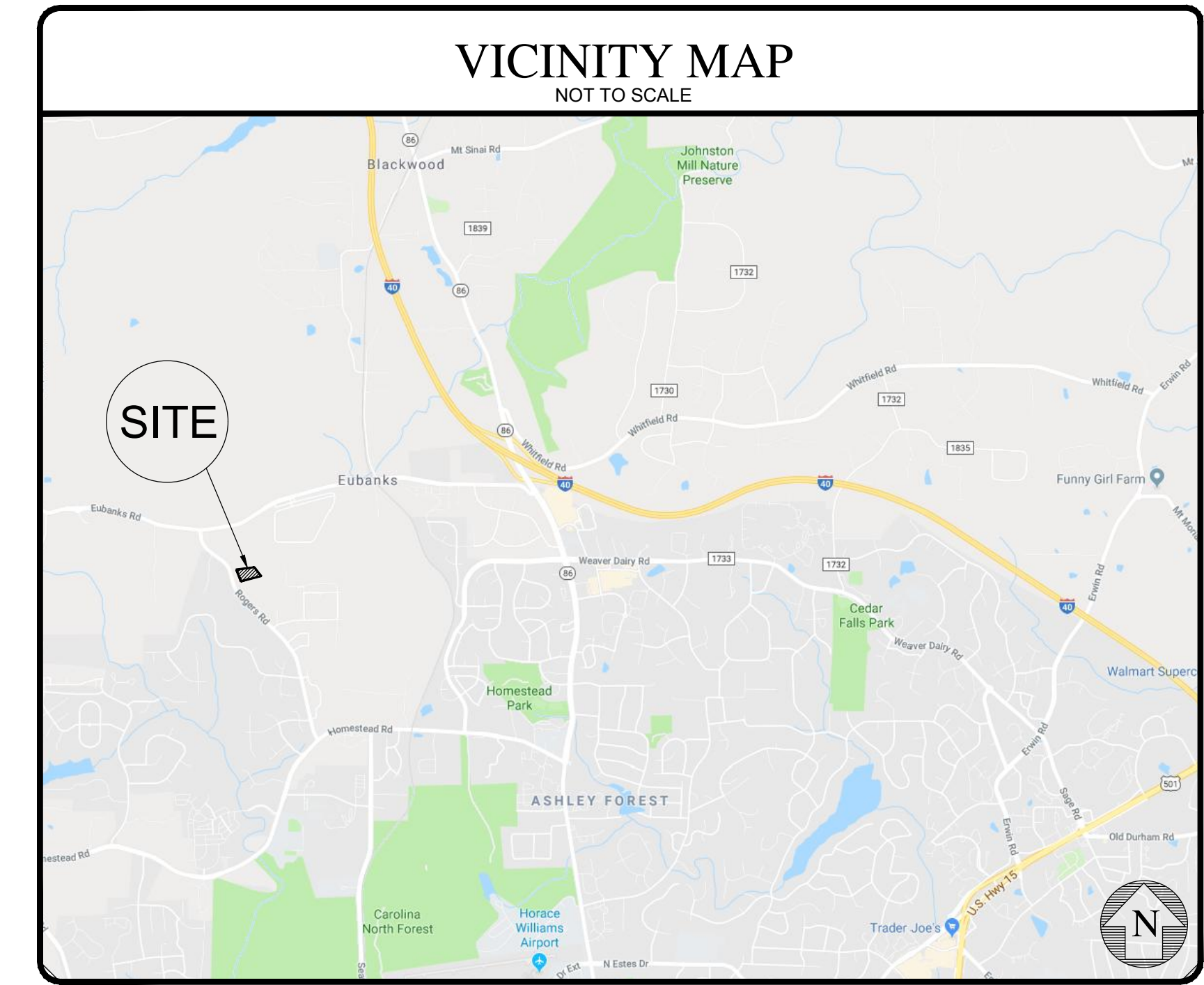
GENERAL NOTES:

- CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL, OWASA AND NCDOT STANDARD DETAILS, CODE OF ORDINANCES AND STANDARD AND SPECIFICATIONS.
- ALL SITE WORK, AT A MINIMUM, SHALL BE PERFORMED IN ACCORDANCE WITH THE 2018 NCDOT ROADWAY STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES UNLESS OTHERWISE NOTED OR DIRECTED.
- UNDERGROUND UTILITIES MAY EXIST ON, ALONG OR WITHIN CONFLICT OF THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING NC-811 AND/OR THE APPROPRIATE UTILITY COMPANIES PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DEMOLITION OF ALL EXISTING ON SITE ITEMS, ABOVE AND BELOW GROUND AS INDICATED ON THE DEMOLITION PLAN. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REMOVAL OF ALL WASTE RESULTING FROM DEMOLITION, AS WELL AS GRADING AND FILLING OF ALL DEPRESSIONS TO INSURE THE SITE REMAINS AESTHETICALLY ACCEPTABLE.
- THE CONTRACTOR SHALL OBSERVE ALL REQUIRED SAFETY PRECAUTIONS IN THE PERFORMANCE OF ALL WORK IN ACCORDANCE WITH OSHA.
- THE CONTRACTOR SHALL GRADE, SEED AND SOD OR OTHERWISE PROVIDE TEMPORARY AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, ESPECIALLY SLOPES. SEE EROSION CONTROL INSTRUCTIONS, IF APPLICABLE.
- WORK WITHIN PUBLIC RIGHT-OF-WAYS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS, NOTIFICATIONS, STANDARDS AND POLICIES.
- ANY SUBSTITUTIONS, CHANGES, OR MODIFICATIONS SHALL BE APPROVED BY THE PROJECT ENGINEER, PLANNING DEPARTMENT STAFF, AND DEVELOPER PRIOR TO INSTALLATION/CONSTRUCTION OF CORRESPONDING ITEMS.
- THE GRADE LINES DENOTE THE FINISHED ELEVATIONS OF THE PROPOSED SURFACE. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING, ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO PROVIDE A PROPER TIE-IN. CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED INVERTS, FFE'S & FINISHED SURFACES TO ENSURE THAT MINIMUM SLOPE & COVER REQUIREMENTS ARE PROVIDED PRIOR TO INSTALLATION OF REFERENCED ITEMS.
- THE EARTHWORK ON THIS PLAN DOES NOT NECESSARILY BALANCE; OFFSITE BORROW OR WASTE MAY BE REQUIRED.
- ALL PIPE INVERTS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL BE ADJUSTED BY THE ENGINEER IF NECESSARY.
- OWNER WILL BE REQUIRED TO BRING THEIR RECYCLING CART TO THE EDGE OF ROGERS ROAD BY 7:00 AM ON COLLECTION DAY TO RECEIVE RECYCLING BY ORANGE COUNTY.

PARCEL INFO
PIN: 9870450445
DB 3540 PG 587
ZONING : R1
0.607 ACRES



SITE LOCATION MAP
NOT TO SCALE



CURRENT OWNER
WEST ST. MARK CHURCH OF CHRIST
REV. TIMOTHY PEPPERS
8100 ROGERS ROAD
CHAPEL HILL, NC 27516
910.578.6308
peppersdoc@aol.com

ARCHITECTURE CONTACT
MDS10 PLLC ARCHITECTS
C. CRAWFORD MURPHY
10 N. SPRUCE ST.
ASHEVILLE, NC 28801
828-236-0370

SURVEY CONTACT
HOLLAND LAND SURVEYING
JAMES H. HOLLAND JR.
888 MLK JR. BLVD.
CHAPEL HILL, NC 27514
919.942.9401

ENGINEER CONTACT
SUMMIT DESIGN & ENGINEERING SERVICES
TIMOTHY A. SMITH, PE
504 MEADOWLAND DR
HILLSBOROUGH, NC 27278
(919) 732-3883 (PHONE)
(919) 732-6676 (FAX)
TIM.SMITH@SUMMITDE.NET

PUBLIC SERVICE CONTACTS :

WATER/SEWER: OWASA
NICK PARKER/TODD SPENCER
N.PARKER@OWASA.ORG

FIRE: TOWN OF CHAPEL HILL
MATT SULLIVAN, CHIEF
403 MARTIN LUTHER KING JR. BLVD
CHAPEL HILL, NC 27514
PHONE: 919-968-2814
msullivan@townofchapelhill.org

ELECTRIC: DUKE ENERGY
SHANE SMITH
(919) 687-3385
SHANE.SMITH2@DUKE-ENERGY.COM

TELEPHONE: AT&T
ALVA L. NICHOL JR.
(919) 785-7758 / (919) 601-1205
ANS5996@ATT.COM

GAS: PSNC ENERGY
BRIAN SMITH
(919) 968-7454
BRIAN.SMITH@SCANA.COM

WATER: TIME WARNER CABLE
GEORGE STOTLER
(919) 573-7767 / (919) 427-5506
GEORGE.STOTLER@TWCABLE.COM

SOLID WASTE: ORANGE COUNTY SOLID WASTE MANAGEMENT
JEFF SCOUTEN
1207 EUBANKS ROAD
CHAPEL HILL, NC 27516
(919) 968-2788

PLANNING: TOWN OF CHAPEL HILL
KAY PEARLSTEIN
SENIOR PLANNER
(919) 968-2728
KPEARLSTEIN@TOWNOFCHAPELHILL.ORG

NO.	DATE	BY	REVISIONS
7			
6			
5	3/11/19	DMC	AS PER TOWN OF CHAPEL HILL COMMENTS
4	12/05/18	DMC	AS PER O.W.A.S.A. COMMENTS
3	11/20/18	TAS	PER TOWN OF CHAPEL HILL COMMENTS
2	11/20/18	WRW	PER TOWN OF CHAPEL HILL COMMENTS
1	10/12/16	WRW	PER TOWN OF CHAPEL HILL COMMENTS

COPYRIGHT © 2018
SUMMIT DESIGN AND ENGINEERING SERVICES
DRAWING ALTERATION
IF THE ALTERNATION OF THIS DRAWING IS MADE BY ANY PERSON OTHER THAN THE DESIGNER OR A PERSON AUTHORIZED BY THE DESIGNER, THE DESIGNER'S PROFESSIONAL LIABILITY SHALL BE LIMITED TO THE EXTENT OF THE ALTERNATION. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION AND FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

PROJECT ENGINEER/ARCHITECT
TAS.TIMOTHY@SUMMITDE.NET

PROJECT MANAGER
RBRANDY.PALL@SUMMITDE.NET

DRAWN BY
WRWILLIAM.WR@SUMMITDE.NET

FIRST ISSUE DATE
08-23-2018



ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
7708 ROGERS ROAD
CHAPEL HILL, NC

COVER SHEET

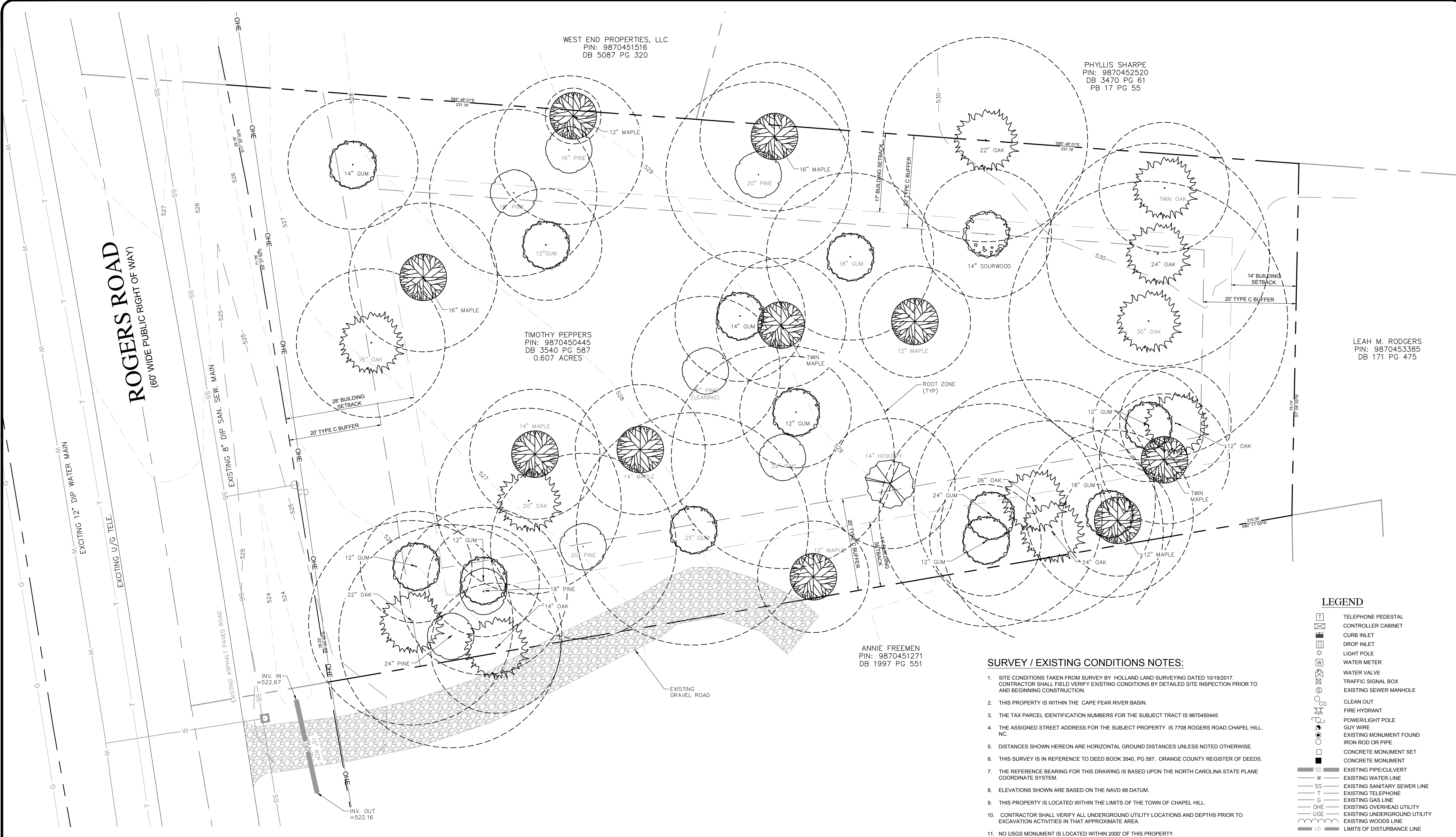
PROJECT NO.
18-0260

DRAWING NAME:
18-0260_CS.dwg

SHEET NO.
C-1



CONTRACTOR SHALL NOTIFY "811" (811) OR (1-800-632-4849) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



WEST END PROPERTIES, LLC
 PIN: 9870451516
 DB 5087 PG 320

PHYLIS SHARPE
 PIN: 9870452520
 DB 3470 PG 61
 PB 17 PG 55

TIMOTHY PEPPERS
 PIN: 9870450445
 DB 3540 PG 587
 0.607 ACRES

ANNIE FREEMAN
 PIN: 9870451271
 DB 1997 PG 551

LEAH M. RODGERS
 PIN: 9870453385
 DB 171 PG 475

ROGERS ROAD
 (60' WIDE PUBLIC RIGHT OF WAY)

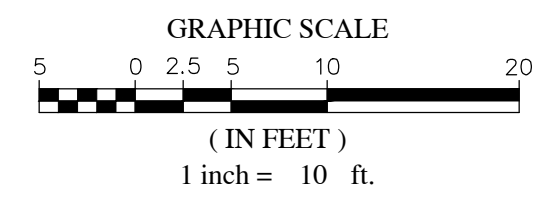
NOTE: SITE INFORMATION SHOWN TAKEN FROM CURRENT ORANGE COUNTY GIS DATA AND SURVEY PROVIDED BY HOLLAND LAND SURVEYING

SURVEY / EXISTING CONDITIONS NOTES:

- SITE CONDITIONS TAKEN FROM SURVEY BY HOLLAND LAND SURVEYING DATED 10/19/2017. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS BY DETAILED SITE INSPECTION PRIOR TO AND BEGINNING CONSTRUCTION.
- THIS PROPERTY IS WITHIN THE CAPE FEAR RIVER BASIN.
- THE TAX PARCEL IDENTIFICATION NUMBERS FOR THE SUBJECT TRACT IS 9870450445
- THE ASSIGNED STREET ADDRESS FOR THE SUBJECT PROPERTY IS 7708 ROGERS ROAD CHAPEL HILL, NC.
- DISTANCES SHOWN HEREON ARE HORIZONTAL GROUND DISTANCES UNLESS NOTED OTHERWISE.
- THIS SURVEY IS IN REFERENCE TO DEED BOOK 3540, PG 587, ORANGE COUNTY REGISTER OF DEEDS.
- THE REFERENCE BEARING FOR THIS DRAWING IS BASED UPON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM.
- ELEVATIONS SHOWN ARE BASED ON THE NAVD 88 DATUM.
- THIS PROPERTY IS LOCATED WITHIN THE LIMITS OF THE TOWN OF CHAPEL HILL.
- CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITY LOCATIONS AND DEPTHS PRIOR TO EXCAVATION ACTIVITIES IN THAT APPROXIMATE AREA.
- NO USGS MONUMENT IS LOCATED WITHIN 2000' OF THIS PROPERTY.
- THIS PROPERTY HAS DIRECT ACCESS TO ROGERS ROAD, PUBLICLY DEDICATED STREETS.
- THE CONTRACTOR SHALL MAINTAIN ANY EXISTING ACCESSES AND UTILITY SERVICES TO ADJACENT RESIDENCES, BUSINESSES AND PROPERTIES AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS NECESSARY FOR CONSTRUCTION/DEMOLITION.
- NOTE THAT THE PROPERTY LINE EXTENDS INTO THE EXISTING ROW AND ANY WORK DONE IN THE OVERLAP AREA SHALL BE PERMITTED AND CONSTRUCTED IN ACCORDANCE WITH THE CORRESPONDING ENCROACHMENT AGREEMENT.
- TREES SHOWN HEREON, WERE FIELD LOCATED BY SURVEYOR. OTHER UNDERSTORY GROWTH MAY EXIST AND SHOULD BE CLEARED, PRESERVED AS NEEDED PER EROSION CONTROL AND DEMOLITION PLAN.

LEGEND

- TELEPHONE PEDESTAL
- CONTROLLER CABINET
- CURB INLET
- DROP INLET
- LIGHT POLE
- WATER METER
- WATER VALVE
- TRAFFIC SIGNAL BOX
- EXISTING SEWER MANHOLE
- CLEAN OUT
- FIRE HYDRANT
- POWER/LIGHT POLE
- GUY WIRE
- EXISTING MONUMENT FOUND
- IRON ROD OR PIPE
- CONCRETE MONUMENT SET
- CONCRETE MONUMENT
- EXISTING PIPE/CULVERT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING TELEPHONE
- EXISTING GAS LINE
- EXISTING OVERHEAD UTILITY
- EXISTING UNDERGROUND UTILITY
- EXISTING WOODS LINE
- LIMITS OF DISTURBANCE LINE



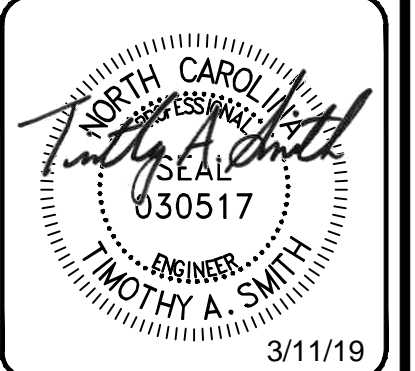
Know what's below.
 Call before you dig.

CONTRACTOR SHALL NOTIFY 'NC811' (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF 'NC811'. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

NO.	DATE	BY	REVISIONS
7			
6			
5			
4	3/11/19	DNC	AS PER TOWN OF CHAPEL HILL COMMENTS
3	12/05/18	DNC	PER O.M.A.S.A COMMENTS
2	11/20/18	TAS	PER TOWN OF CHAPEL HILL COMMENTS
1	10/12/18	WRW	PER TOWN OF CHAPEL HILL COMMENTS

COPYRIGHT © 2018
 SUMMIT DESIGN AND ENGINEERING SERVICES
 DRAWING ALTERNATION
 THIS DRAWING IS THE PROPERTY OF SUMMIT DESIGN AND ENGINEERING SERVICES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF SUMMIT DESIGN AND ENGINEERING SERVICES IS STRICTLY PROHIBITED.

PROJECT ENGINEER/ARCHITECT
 TASTIMSMITH@SUMMITDE.NET
 PROJECT MANAGER
 BRANDY HALL@SUMMITDE.NET
 DRAWN BY
 WRW/LEAHM.ROD@SUMMITDE.NET
 FIRST ISSUE DATE
 08-22-2018

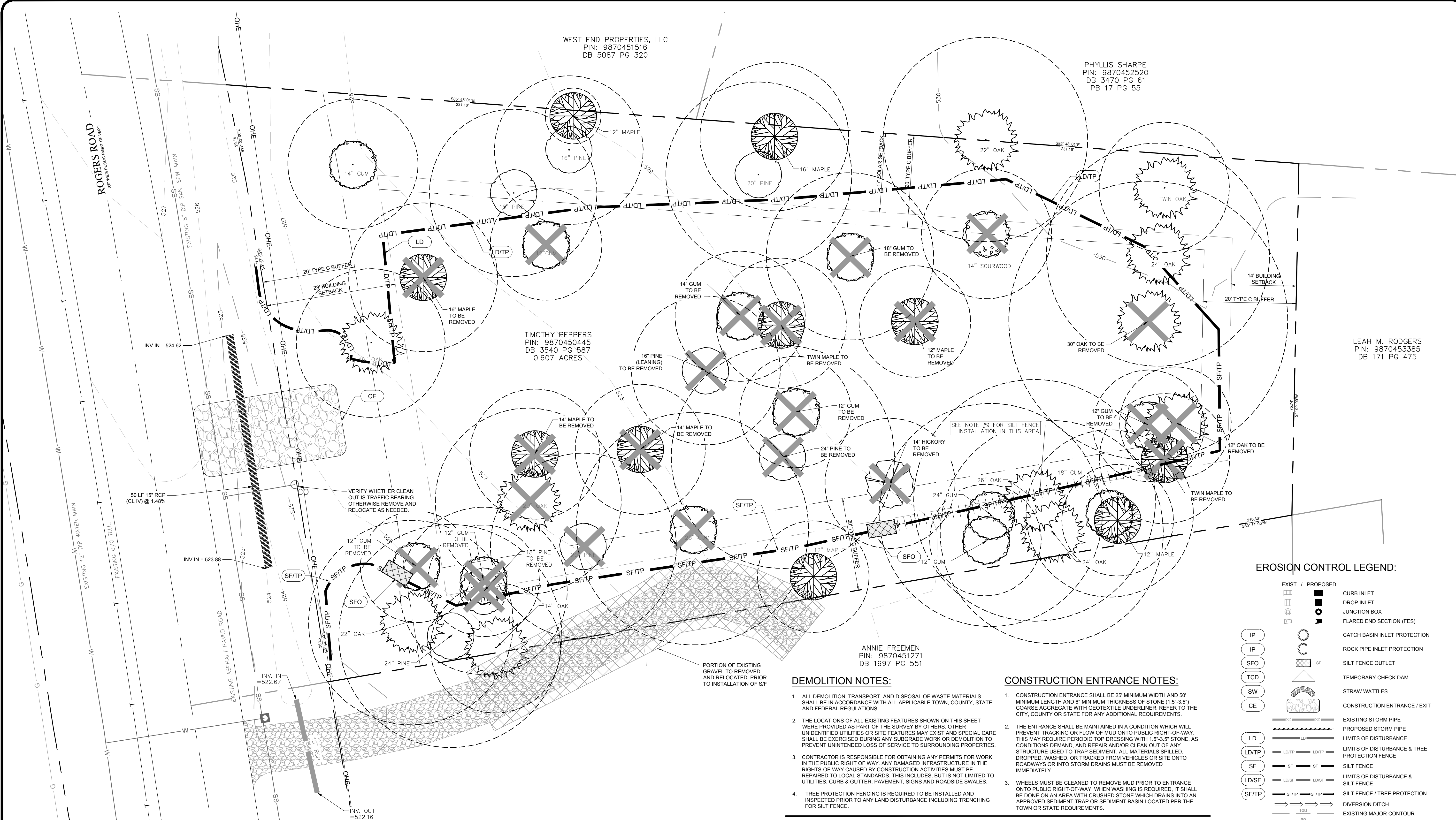


SUMMIT
 DESIGN AND ENGINEERING SERVICES
 Creatively Inspired - Technically Executed
 License # P-02939
 504 Meadowland Drive
 Morrisville, NC 27560
 Phone: (919) 752-2222 Fax: (919) 752-4676
 www.summitde.net

ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
 7708 ROGERS ROAD
 CHAPEL HILL, NC

EXISTING CONDITIONS

PROJECT NO.
18-0260
 DRAWING NAME:
 17-0097_XC
 SHEET NO.
C-2



WEST END PROPERTIES, LLC
 PIN: 9870451516
 DB 5087 PG 320

PHYLIS SHARPE
 PIN: 9870452520
 DB 3470 PG 61
 PB 17 PG 55

TIMOTHY PEPPERS
 PIN: 9870450445
 DB 3540 PG 587
 0.607 ACRES

LEAH M. RODGERS
 PIN: 9870453385
 DB 171 PG 475

ANNIE FREEMAN
 PIN: 9870451271
 DB 1997 PG 551

DEMOLITION NOTES:

- ALL DEMOLITION, TRANSPORT, AND DISPOSAL OF WASTE MATERIALS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE TOWN, COUNTY, STATE AND FEDERAL REGULATIONS.
- THE LOCATIONS OF ALL EXISTING FEATURES SHOWN ON THIS SHEET WERE PROVIDED AS PART OF THE SURVEY BY OTHERS. OTHER UNIDENTIFIED UTILITIES OR SITE FEATURES MAY EXIST AND SPECIAL CARE SHALL BE EXERCISED DURING ANY SUBGRADE WORK OR DEMOLITION TO PREVENT UNINTENDED LOSS OF SERVICE TO SURROUNDING PROPERTIES.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS FOR WORK IN THE PUBLIC RIGHT OF WAY. ANY DAMAGED INFRASTRUCTURE IN THE RIGHTS-OF-WAY CAUSED BY CONSTRUCTION ACTIVITIES MUST BE REPAIRED TO LOCAL STANDARDS. THIS INCLUDES, BUT IS NOT LIMITED TO UTILITIES, CURBS & GUTTER, PAVEMENT, SIGNS AND ROADSIDE SWALES.
- TREE PROTECTION FENCING IS REQUIRED TO BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBANCE INCLUDING TRENCHING FOR SILT FENCE.

CONSTRUCTION ENTRANCE NOTES:

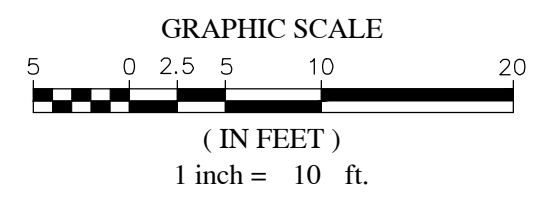
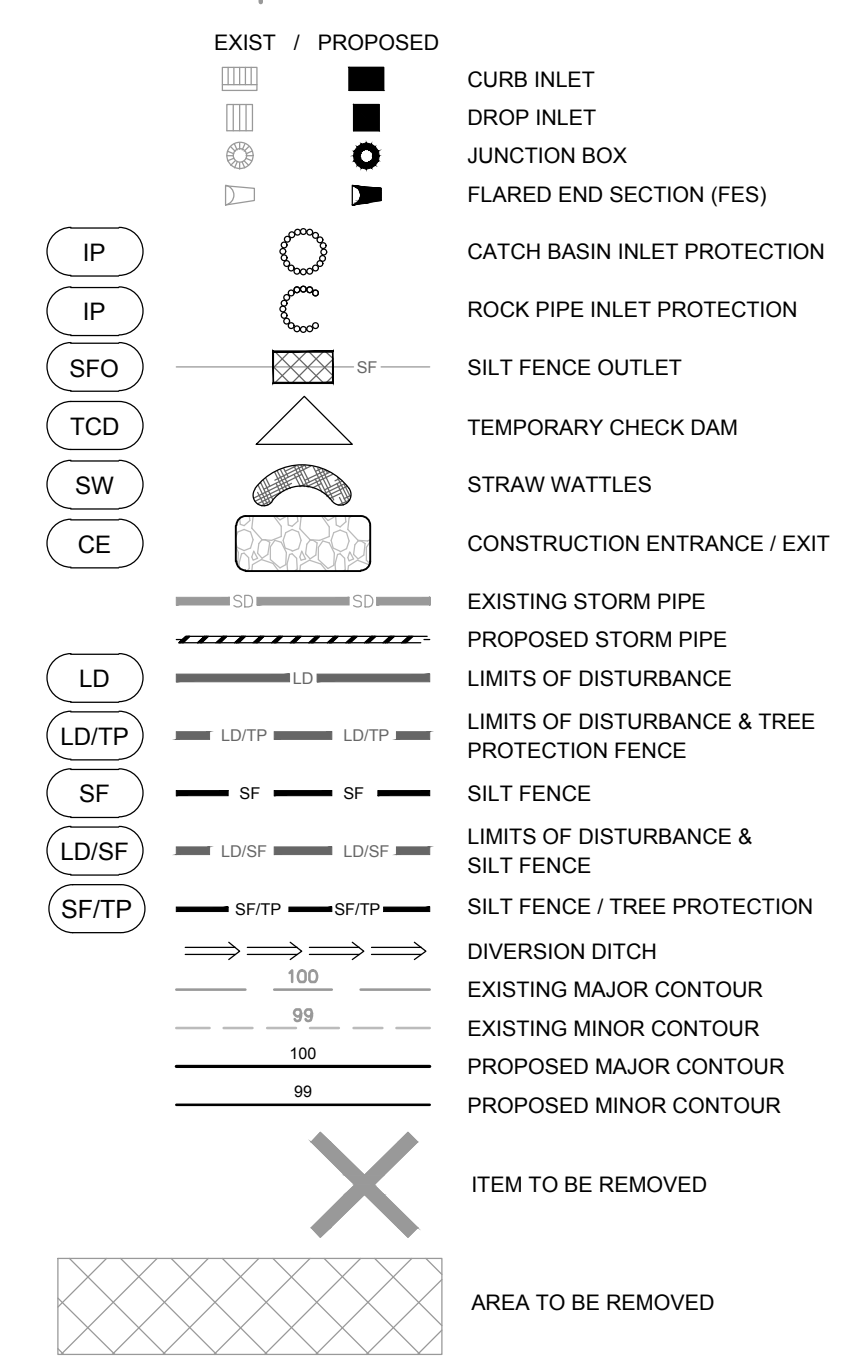
- CONSTRUCTION ENTRANCE SHALL BE 25' MINIMUM WIDTH AND 50' MINIMUM LENGTH AND 6" MINIMUM THICKNESS OF STONE (1.5'-3.5') COARSE AGGREGATE WITH GEOTEXTILE UNDERLIER. REFER TO THE CITY, COUNTY OR STATE FOR ANY ADDITIONAL REQUIREMENTS.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5'-3" STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURE USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN LOCATED PER THE TOWN OR STATE REQUIREMENTS.

EROSION CONTROL & MAINTENANCE PLAN NOTES:

- ALTHOUGH SITE DISTURBANCE AMOUNT DOES NOT REQUIRE AN E.C. PLAN APPROVAL OF LAND DISTURBANCE PERMIT, ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS AND DETAILS OF THE LATEST EDITION OF THE NC EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL. THE APPLICANT HAS THE RESPONSIBILITY TO CONTACT, VERIFY AND ADHERE TO ALL NCDDE SPECIFICATIONS AND CHECKLIST REQUIREMENTS OF THE STATE, WHICH CAN BE REVIEWED AT THE NCDDE WEBSITE: [HTTPS://DEQ.NC.GOV/ABOUT/DIVISIONS/ENERGY-MINERAL-LAND-RESOURCES/EROSION-SEDIMENT-CONTROL/FORMS](https://deq.nc.gov/about/divisions/energy-mineral-land-resources/erosion-sediment-control/forms)
- RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL DISPOSAL AT OFF-SITE FACILITIES. CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF SITE.
- PERMANENTLY STABILIZE ALL SURFACE AREAS WITHIN AND ADJACENT TO THIS SITE THAT ARE DISTURBED BY VEHICLES, GRADING AND OTHER CONSTRUCTION FOR THE PROPOSED FACILITY. STABILIZATION IS OBTAINED WHEN THE DISTURBED SURFACE IS COVERED WITH STRUCTURES, PAVING AND OR PERENNIAL VEGETATION HAVING A UNIFORM COVERAGE DENSITY OF AT LEAST 70%. STABILIZATION OF ALL DISTURBED AREAS IS REQUIRED BEFORE TERMINATION OF MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES.

**TOTAL DISTURBED AREA
 13,382 SF (0.31 AC) ON-SITE
 1,300 SF (.03 AC) IN R.O.W.**

EROSION CONTROL LEGEND:



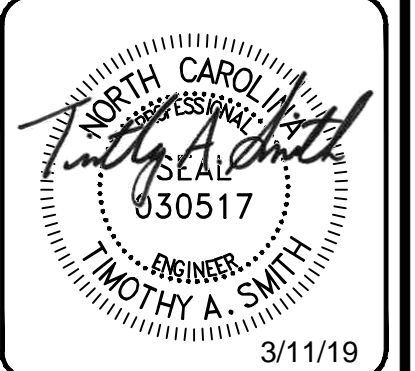
CONTRACTOR SHALL NOTIFY NCS111 (811) OR (1-800-632-4848) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCAL SERVICES INDEPENDENT OF NCS111. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.



NO.	DATE	BY	REVISIONS
7			
6			
5	3/11/19	DNC	AS PER TOWN OF CHAPEL HILL COMMENTS
4	12/05/18	DNC	PER O.M.A.S.A. COMMENTS
3	11/20/18	TAS	PER TOWN OF CHAPEL HILL COMMENTS
2	10/12/18	WRW	PER TOWN OF CHAPEL HILL COMMENTS
1	08-22-2018		DESCRIPTION OF THE REVISIONS

COPYRIGHT © 2018
 SUMMIT DESIGN AND ENGINEERING SERVICES
 DRAWING ALTERNATION
 THIS DRAWING IS THE PROPERTY OF SUMMIT DESIGN AND ENGINEERING SERVICES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED ON THE DRAWING. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SUMMIT DESIGN AND ENGINEERING SERVICES.

PROJECT ENGINEER/ARCHITECT
 TASTIMSMITH@SUMMITDEI.NET
 PROJECT MANAGER
 BRANDY HALL@SUMMITDEI.NET
 DRAWN BY
 WRIWILLIAM.WRI@SUMMITDEI.NET
 FIRST ISSUE DATE
 08-22-2018



**ZONING COMPLIANCE PERMIT PLAN
 WEST ST. MARKS CHURCH
 7708 ROGERS ROAD
 CHAPEL HILL, NC**

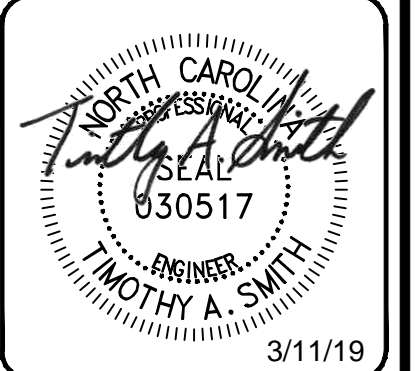
**EROSION CONTROL AND
 DEMOLITION PLAN**

PROJECT NO.
18-0260
 DRAWING NAME:
17-0097_XC
 SHEET NO.
C-3

7			
6			
5			
4	AS PER TOWN OF CHAPEL HILL COMMENTS	3/11/19	DMC
3	PER O.W.A.S.A. COMMENTS	12/05/18	DMC
2	PER TOWN OF CHAPEL HILL COMMENTS	11/29/18	TAS
1	PER TOWN OF CHAPEL HILL COMMENTS	10/12/18	WRW
			BY
			DATE

COPYRIGHT © 2018
 SUMMIT DESIGN AND
 ENGINEERING SERVICES
 DRAWING ALTERNATION
 THIS DRAWING IS THE PROPERTY OF SUMMIT DESIGN AND ENGINEERING SERVICES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR REPRODUCTION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF SUMMIT DESIGN AND ENGINEERING SERVICES IS STRICTLY PROHIBITED. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY THE ORIGINAL DESIGNER.

PROJECT ENGINEER/ARCHITECT
 TASTIMSMITH@SUMMITDE.NE.T
 PROJECT MANAGER
 BRANDY.HALL@SUMMITDE.NE.T
 DRAWN BY
 WRIWILLIAM.WRIT@SUMMITDE.NE.T
 FIRST ISSUE DATE
 08-22-2018

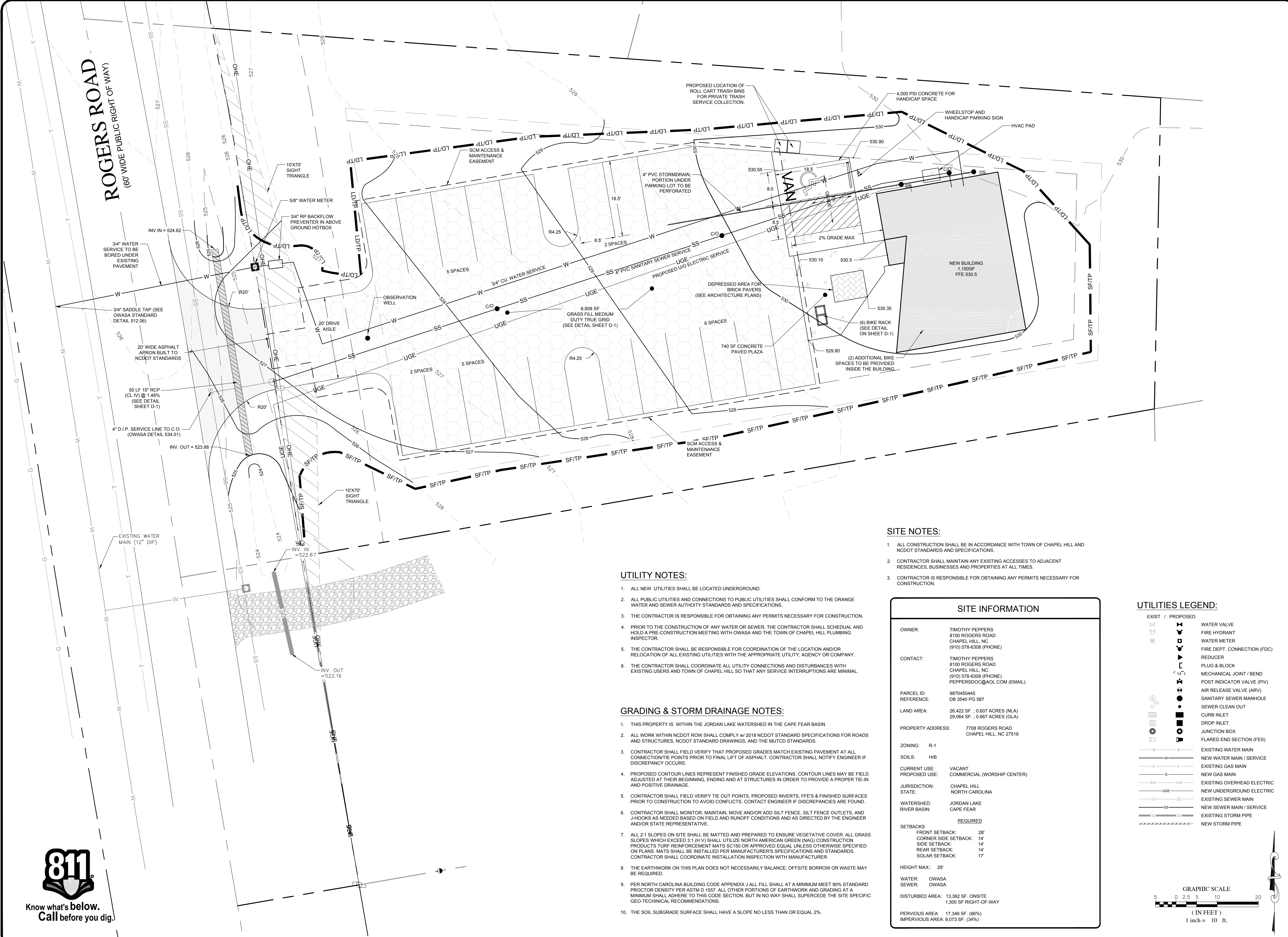


SUMMIT
 DESIGN AND ENGINEERING SERVICES
 Creatively Inspired - Technically Executed
 License # P-0239
 504 Meadowland Drive
 Cary, NC 27513
 Phone: (919) 742-2222 Fax: (919) 742-2676
 www.summitde.net

ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
 7708 ROGERS ROAD
 CHAPEL HILL, NC

SITE, UTILITY, GRADING AND STORM DRAINAGE PLAN

PROJECT NO.
18-0260
 DRAWING NAME:
 18-0260_S
 SHEET NO.
C-4



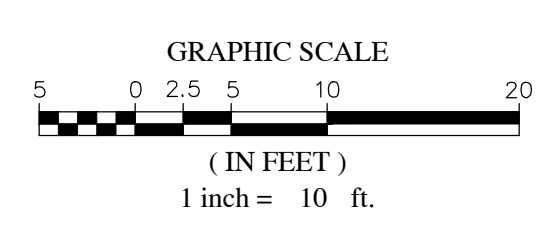
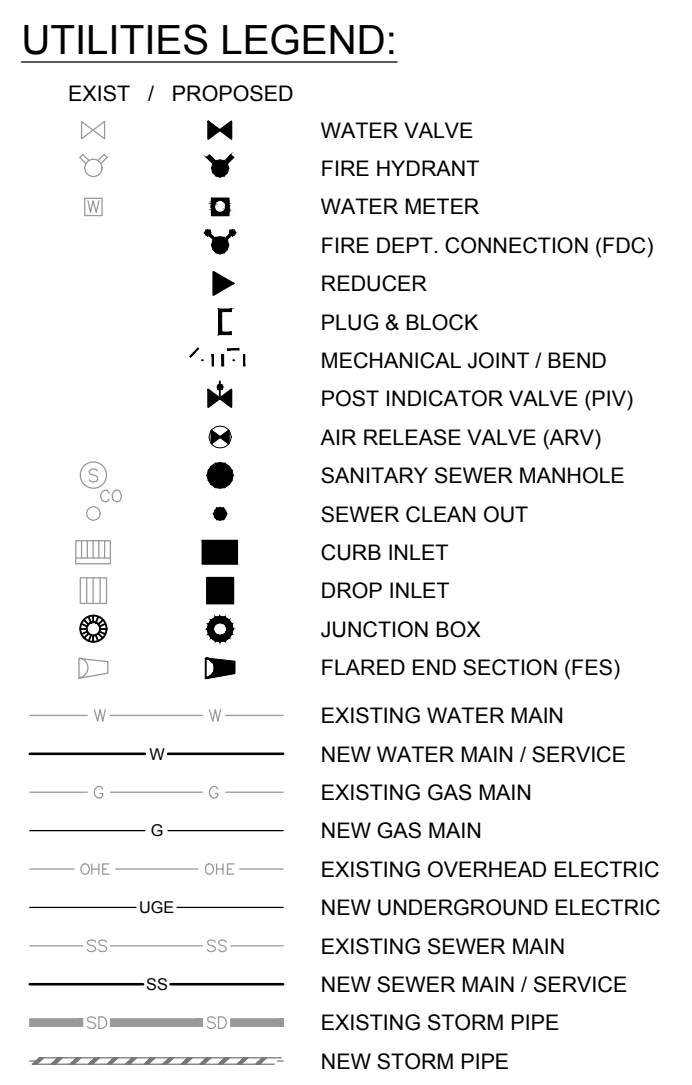
- SITE NOTES:**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF CHAPEL HILL AND NCDOT STANDARDS AND SPECIFICATIONS.
 - CONTRACTOR SHALL MAINTAIN ANY EXISTING ACCESSSES TO ADJACENT RESIDENCES, BUSINESSES AND PROPERTIES AT ALL TIMES.
 - CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS NECESSARY FOR CONSTRUCTION.

- UTILITY NOTES:**
- ALL NEW UTILITIES SHALL BE LOCATED UNDERGROUND.
 - ALL PUBLIC UTILITIES AND CONNECTIONS TO PUBLIC UTILITIES SHALL CONFORM TO THE ORANGE WATER AND SEWER AUTHORITY STANDARDS AND SPECIFICATIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS NECESSARY FOR CONSTRUCTION.
 - PRIOR TO THE CONSTRUCTION OF ANY WATER OR SEWER, THE CONTRACTOR SHALL SCHEDULE AND HOLD A PRE-CONSTRUCTION MEETING WITH OWASA AND THE TOWN OF CHAPEL HILL PLUMBING INSPECTOR.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE LOCATION AND/OR RELOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE UTILITY, AGENCY OR COMPANY.
 - THE CONTRACTOR SHALL COORDINATE ALL UTILITY CONNECTIONS AND DISTURBANCES WITH EXISTING USERS AND TOWN OF CHAPEL HILL SO THAT ANY SERVICE INTERRUPTIONS ARE MINIMAL.

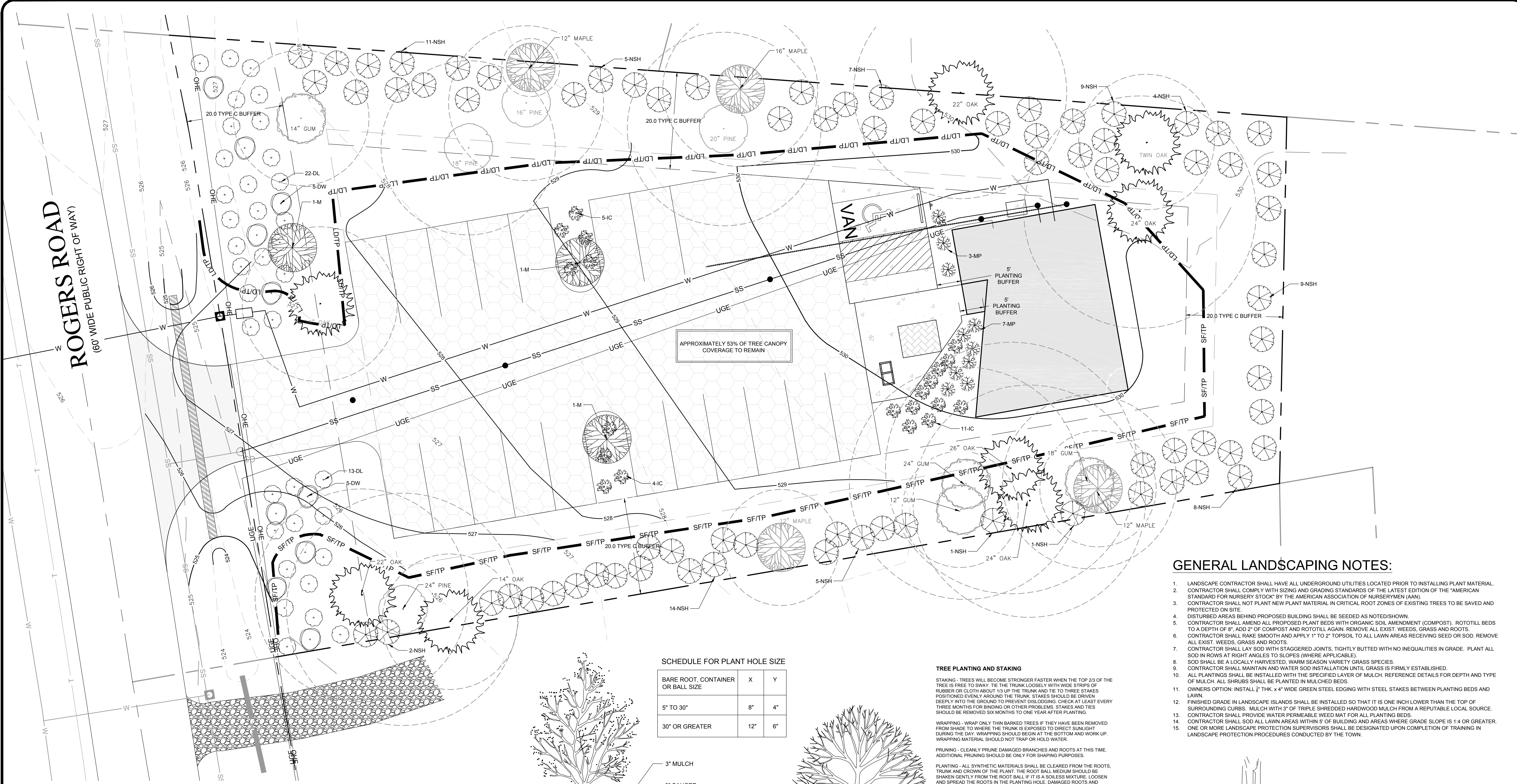
- GRADING & STORM DRAINAGE NOTES:**
- THIS PROPERTY IS WITHIN THE JORDAN LAKE WATERSHED IN THE CAPE FEAR BASIN.
 - ALL WORK WITHIN NCDOT ROW SHALL COMPLY W/ 2018 NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, NCDOT STANDARD DRAWINGS, AND THE MUTCD STANDARDS.
 - CONTRACTOR SHALL FIELD VERIFY THAT PROPOSED GRADES MATCH EXISTING PAVEMENT AT ALL CONNECTION/TL POINTS PRIOR TO FINAL LIFT OF ASPHALT. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.
 - PROPOSED CONTOUR LINES REPRESENT FINISHED GRADE ELEVATIONS. CONTOUR LINES MAY BE FIELD ADJUSTED AT THEIR BEGINNING, ENDING AND AT STRUCTURES IN ORDER TO PROVIDE A PROPER TIE-IN AND POSITIVE DRAINAGE.
 - CONTRACTOR SHALL FIELD VERIFY TIE OUT POINTS, PROPOSED INVERTS, FFE'S & FINISHED SURFACES PRIOR TO CONSTRUCTION TO AVOID CONFLICTS. CONTACT ENGINEER IF DISCREPANCIES ARE FOUND.
 - CONTRACTOR SHALL MONITOR, MAINTAIN, MOVE AND/OR ADD SILT FENCE, SILT FENCE OUTLETS, AND J-HOOKS AS NEEDED BASED ON FIELD AND RUNOFF CONDITIONS AND AS DIRECTED BY THE ENGINEER AND/OR STATE REPRESENTATIVE.
 - ALL 2:1 SLOPES ON SITE SHALL BE MATTED AND PREPARED TO ENSURE VEGETATIVE COVER. ALL GRASS SLOPES WHICH EXCEED 3:1 (H:V) SHALL UTILIZE NORTH AMERICAN GREEN (NAG) CONSTRUCTION PRODUCTS TURF REINFORCEMENT MATS SC150 OR APPROVED EQUAL UNLESS OTHERWISE SPECIFIED ON PLANS. MATS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND STANDARDS. CONTRACTOR SHALL COORDINATE INSTALLATION INSPECTION WITH MANUFACTURER.
 - THE EARTHWORK ON THIS PLAN DOES NOT NECESSARILY BALANCE; OFFSITE BORROW OR WASTE MAY BE REQUIRED.
 - PER NORTH CAROLINA BUILDING CODE APPENDIX J ALL FILL SHALL AT A MINIMUM MEET 90% STANDARD PROCTOR DENSITY PER ASTM D 1557. ALL OTHER PORTIONS OF EARTHWORK AND GRADING AT A MINIMUM SHALL ADHERE TO THIS CODE SECTION. BUT IN NO WAY SHALL SUPERCEDE THE SITE SPECIFIC GEO-TECHNICAL RECOMMENDATIONS.
 - THE SOIL SUBGRADE SURFACE SHALL HAVE A SLOPE NO LESS THAN OR EQUAL 2%.

SITE INFORMATION

OWNER:	TIMOTHY PEPPERS 8100 ROGERS ROAD CHAPEL HILL, NC (910) 578-6308 (PHONE)
CONTACT:	TIMOTHY PEPPERS 8100 ROGERS ROAD CHAPEL HILL, NC (910) 578-6308 (PHONE) PEPPERSDOC@AOL.COM (EMAIL)
PARCEL ID:	9870450445
REFERENCE:	DB 3540 PG 587
LAND AREA:	26,422 SF. : 0.607 ACRES (NLA) 29,064 SF. : 0.667 ACRES (GLA)
PROPERTY ADDRESS:	7708 ROGERS ROAD CHAPEL HILL, NC 27516
ZONING:	R-1
SOILS:	H:B
CURRENT USE:	VACANT
PROPOSED USE:	COMMERCIAL (WORSHIP CENTER)
JURISDICTION:	CHAPEL HILL
STATE:	NORTH CAROLINA
WATERSHED:	JORDAN LAKE
RIVER BASIN:	CAPE FEAR
	REQUIRED
SETBACKS	
FRONT SETBACK:	28'
CORNER SIDE SETBACK:	14'
SIDE SETBACK:	14'
REAR SETBACK:	14'
SOLAR SETBACK:	17'
HEIGHT MAX.:	29'
WATER:	OWASA
SEWER:	OWASA
DISTURBED AREA:	13,382 SF. ONSITE 1,300 SF RIGHT-OF-WAY
PERVIOUS AREA:	17,349 SF. (66%)
IMPERVIOUS AREA:	9,073 SF. (34%)



ROGERS ROAD
(60' WIDE PUBLIC RIGHT OF WAY)

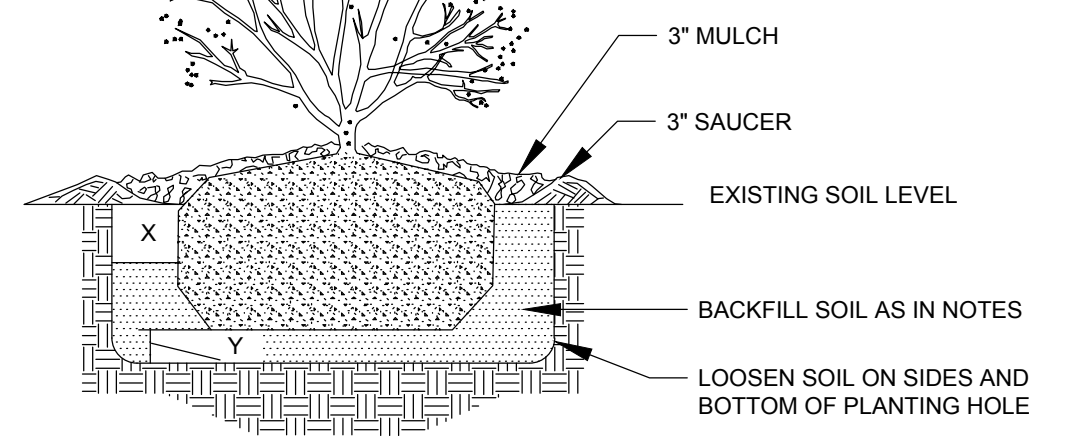


APPROXIMATELY 53% OF TREE CANOPY COVERAGE TO REMAIN

KEY		BOTANICAL NAME		COMMON NAME		QTY.	AVE HT FT	AVE SPD FT
TREES	M	Acer	Maple			3	40	40
	DW	Cornus	Dogwood			10	5	20
SCREEN	NSH	Ilex X 'Nelly Stevens'	Nelly Stevens Holly			67	15	15
SHRUBS	DL	Leucothoe Fontanesiana	Drooping Leucothoe			36	4	3
	IC	Ilex Cornuta	Dwarf Burford			20	4	6
	MC	Myrica Cerifera	Southern Wax Myrtle			10	9	9

SCHEDULE FOR PLANT HOLE SIZE

BARE ROOT, CONTAINER OR BALL SIZE	X	Y
5" TO 30"	8"	4"
30" OR GREATER	12"	6"



SHRUB PLANTING NOTES

PRUNING - CLEANLY PRUNE DAMAGED BRANCHES AND ROOTS AT THIS TIME. ADDITIONAL PRUNING SHOULD BE ONLY FOR SHAPING PURPOSES.

PLANTING - ALL SYNTHETIC MATERIALS SHOULD BE REMOVED FROM THE ROOTS. TRUNK OR CROWN OF THE PLANT. THE ROOT BALL MEDIUM SHOULD BE SHAKEN GENTLY FROM THE ROOT BALL IF IT IS A SOILLESS MIXTURE. LOOSEN AND SPREAD THE ROOTS IN THE PLANTING HOLE. DAMAGED ROOTS AND ROOTS WHICH ENIRCLE THE TRUNK SHOULD BE CLEANLY PRUNED. SET THE PLANT SO THAT IT WILL BE AT ITS ORIGINAL DEPTH OR SLIGHTLY ABOVE THE EXISTING GRADE. BACKFILL WITH SOIL FROM THE HOLE. TAMP AND WATER THE SOIL TO PREVENT AIR POCKETS. DO NOT AMEND THE SOIL AT THIS TIME EXCEPT TO ADJUST THE PH.

STAKING - STAKE ONLY LARGER PLANTS THAT WILL CATCH THE WIND. EVERGREENS MAY NEED ATTENTION WHERE DECIDUOUS PLANTS DO NOT.

WATERING - THE BACKFILL AND ROOTS OF ALL NEWLY SET PLANT MATERIAL SHOULD BE WATERED AS BACKFILLING IS DONE SO THAT THE SOIL AND ROOTS ARE THOROUGHLY SOAKED.

SHRUB PLANTING DETAIL

TREE PLANTING AND STAKING

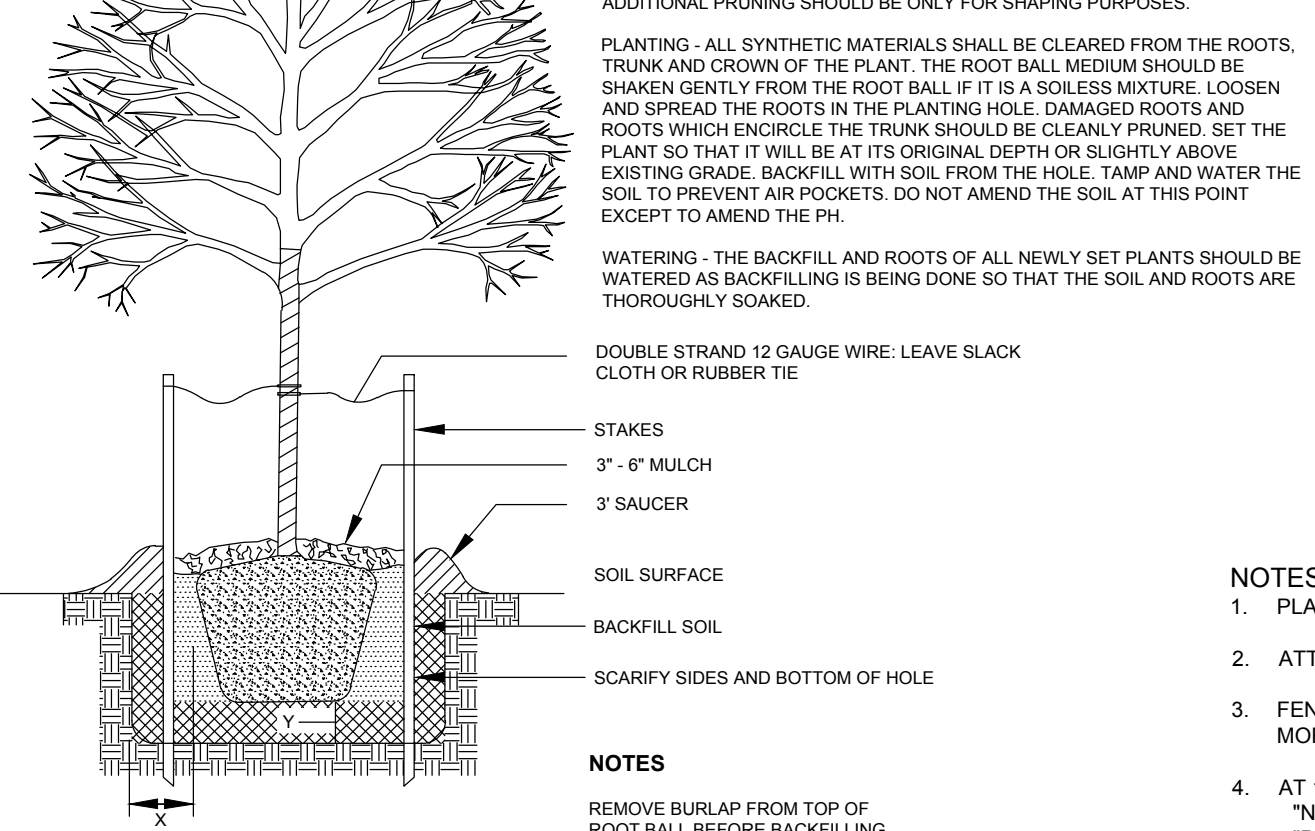
STAKING - TREES WILL BECOME STRONGER FASTER WHEN THE TOP 20% OF THE TREE IS FREE TO SWAY. TIE THE TRUNK LOOSELY WITH WIDE STRIPS OF RUBBER OR CLOTH ABOUT 1/3 UP THE TRUNK AND TIE TO THREE STAKES POSITIONED EVENLY AROUND THE TRUNK. STAKES SHOULD BE DRIVEN DEEPLY INTO THE GROUND TO PREVENT DISLODGING. CHECK AT LEAST EVERY THREE MONTHS FOR BINDING OR OTHER PROBLEMS. STAKES AND TIES SHOULD BE REMOVED SIX MONTHS TO ONE YEAR AFTER PLANTING.

WRAPPING - WRAP ONLY THIN BARKED TREES IF THEY HAVE BEEN REMOVED FROM SHADE TO WHERE THE TRUNK IS EXPOSED TO DIRECT SUNLIGHT DURING THE DAY. WRAPPING SHOULD BEGIN AT THE BOTTOM AND WORK UP. WRAPPING MATERIAL SHOULD NOT TRAP OR HOLD WATER.

PRUNING - CLEANLY PRUNE DAMAGED BRANCHES AND ROOTS AT THIS TIME. ADDITIONAL PRUNING SHOULD BE ONLY FOR SHAPING PURPOSES.

PLANTING - ALL SYNTHETIC MATERIALS SHALL BE CLEARED FROM THE ROOTS. TRUNK AND CROWN OF THE PLANT. THE ROOT BALL MEDIUM SHOULD BE SHAKEN GENTLY FROM THE ROOT BALL IF IT IS A SOILLESS MIXTURE. LOOSEN AND SPREAD THE ROOTS IN THE PLANTING HOLE. DAMAGED ROOTS AND ROOTS WHICH ENIRCLE THE TRUNK SHOULD BE CLEANLY PRUNED. SET THE PLANT SO THAT IT WILL BE AT ITS ORIGINAL DEPTH OR SLIGHTLY ABOVE EXISTING GRADE. BACKFILL WITH SOIL FROM THE HOLE. TAMP AND WATER THE SOIL TO PREVENT AIR POCKETS. DO NOT AMEND THE SOIL AT THIS POINT EXCEPT TO AMEND THE PH.

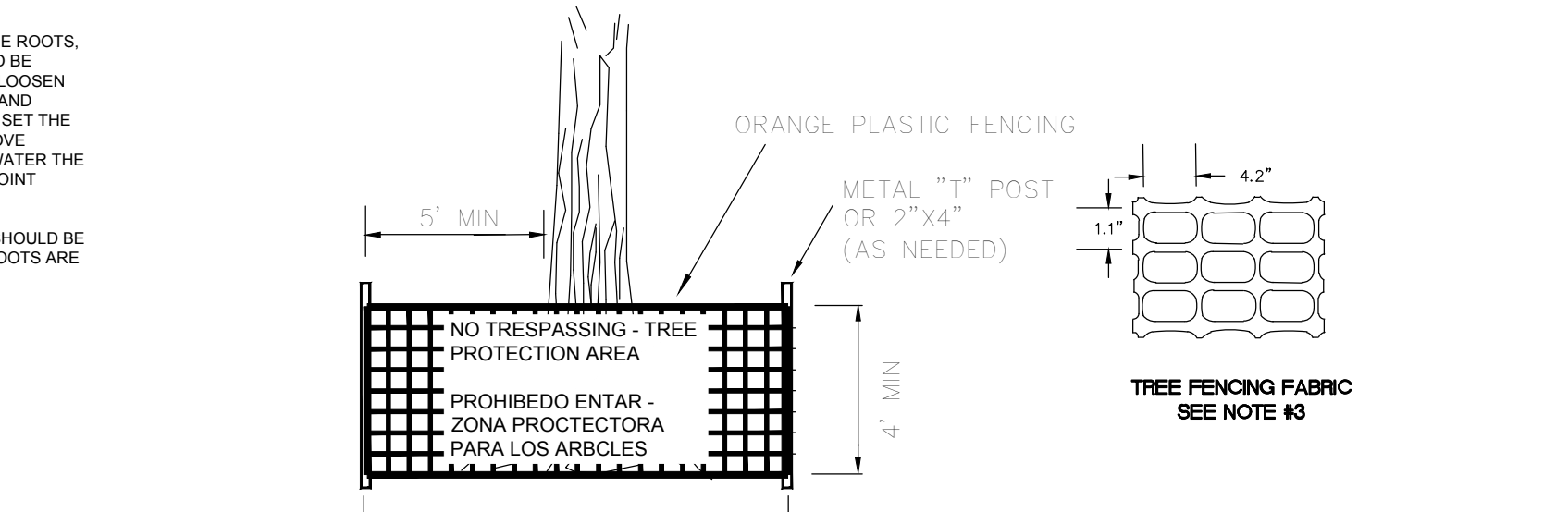
WATERING - THE BACKFILL AND ROOTS OF ALL NEWLY SET PLANTS SHOULD BE WATERED AS BACKFILLING IS BEING DONE SO THAT THE SOIL AND ROOTS ARE THOROUGHLY SOAKED.



SCHEDULE FOR PLANT HOLE SIZE

BARE ROOT, CONTAINER OR BALL SIZE	X	Y
5" TO 30"	8"	4"
30" OR GREATER	12"	6"

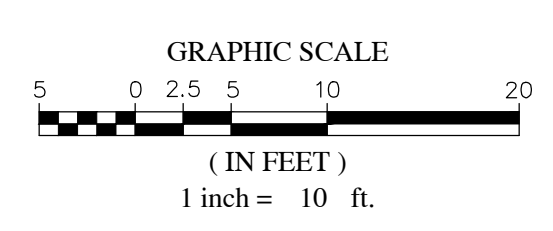
TREE PLANTING AND STAKING DETAIL



NOTES:

- PLACE CONTINUOUS RUN OF FENCE MATERIAL AS SHOWN ON PLANS.
- ATTACH AT 10' MAXIMUM INTERVALS TO 2X4 POSTS. DO NOT STAPLE TO TREES.
- FENCE MATERIAL SHALL BE TENSAR HIGH STRENGTH POLYMER GEOGRID FABRIC BY TENSAR CORPORATION, MORROW, GEORGIA OR EQUAL BRIGHT ORANGE COLOR.
- AT 100' O.C. PLACE SIGNS IN ENGLISH AND SPANISH: "NO TRESPASSING - TREE PROTECTION AREA" AND "PROHIBIDO ENTAR - ZONA PROTECTORA PARA LOS ARBOLCS"
- A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE PROJECT MANAGER AND THE TOWN'S LANDSCAPE ARCHITECT BEFORE ANY SITE WORK BEGINS.
- ANY TREE ROOTS EXPOSED BY CONSTRUCTION SHALL BE SEVERED CLEARLY WITH A PRUNING TOOL.
- THE SOIL WITHIN THE PROTECTED AREA AROUND EXISTING TREES SHALL NOT BE DRIVEN UPON AFTER FENCE REMOVAL FOR THE PURPOSE OF INSTALLING LANDSCAPING.

TREE PROTECTION FENCE



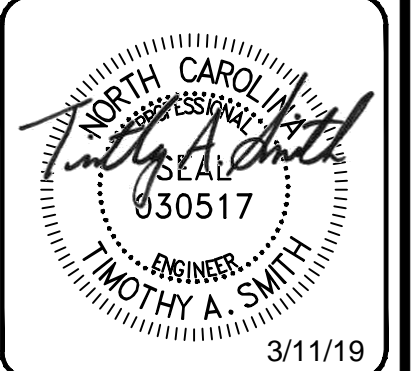
GENERAL LANDSCAPING NOTES:

- LANDSCAPE CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO INSTALLING PLANT MATERIAL.
- CONTRACTOR SHALL COMPLY WITH SIZING AND GRADING STANDARDS OF THE LATEST EDITION OF THE 'AMERICAN STANDARD FOR NURSERY STOCK' BY THE AMERICAN ASSOCIATION OF NURSERMEN (AAN).
- CONTRACTOR SHALL NOT PLANT NEW PLANT MATERIAL IN CRITICAL ROOT ZONES OF EXISTING TREES TO BE SAVED AND PROTECTED ON SITE.
- DISTURBED AREAS BEHIND PROPOSED BUILDING SHALL BE SEEDED AS NOTED/SHOWN.
- CONTRACTOR SHALL AMEND ALL PROPOSED PLANT BEDS WITH ORGANIC SOIL AMENDMENT (COMPOST). ROTOTILL BEDS TO A DEPTH OF 8". ADD 2" OF COMPOST AND ROTOTILL AGAIN. REMOVE ALL EXIST. WEEDS, GRASS AND ROOTS.
- CONTRACTOR SHALL RAKE SMOOTH AND APPLY 1" TO 2" TOPSOIL TO ALL LAWN AREAS RECEIVING SEED OR SOD. REMOVE ALL EXIST. WEEDS, GRASS AND ROOTS.
- CONTRACTOR SHALL LAY SOD WITH STAGGERED JOINTS, TIGHTLY BUTTED WITH NO INEQUALITIES IN GRADE. PLANT ALL SOD IN ROWS AT RIGHT ANGLES TO SLOPES (WHERE APPLICABLE).
- SOD SHALL BE A LOCALLY HARVESTED, WARM SEASON VARIETY GRASS SPECIES.
- CONTRACTOR SHALL MAINTAIN AND WATER SOD INSTALLATION UNTIL GRASS IS FIRMLY ESTABLISHED.
- ALL PLANTINGS SHALL BE INSTALLED WITH THE SPECIFIED LAYER OF MULCH. REFERENCE DETAILS FOR DEPTH AND TYPE OF MULCH. ALL SHRUBS SHALL BE PLANTED IN MULCH BEDS.
- OWNERS OPTION: INSTALL 1/2" THK. X 4" WIDE GREEN STEEL EDGING WITH STEEL STAKES BETWEEN PLANTING BEDS AND LAWN.
- FINISHED GRADE IN LANDSCAPE ISLANDS SHALL BE INSTALLED SO THAT IT IS ONE INCH LOWER THAN THE TOP OF SURROUNDING CURBS. MULCH WITH 3" OF TRIPLE SHREDDED HARDWOOD MULCH FROM A REPUTABLE LOCAL SOURCE.
- CONTRACTOR SHALL PROVIDE WATER PERMEABLE WEED MAT FOR ALL PLANTING BEDS.
- CONTRACTOR SHALL SOD ALL LAWN AREAS WITHIN 5' OF BUILDING AND AREAS WHERE GRADE SLOPE IS 1:4 OR GREATER.
- ONE OR MORE LANDSCAPE PROTECTION SUPERVISORS SHALL BE DESIGNATED UPON COMPLETION OF TRAINING IN LANDSCAPE PROTECTION PROCEDURES CONDUCTED BY THE TOWN.

NO.	DATE	BY	REVISIONS
7			
6			
5			
4	3/11/19	DMC	AS PER TOWN OF CHAPEL HILL COMMENTS
3	12/05/18	DMC	PER O.M.A.S.A COMMENTS
2	11/30/18	TAS	PER TOWN OF CHAPEL HILL COMMENTS
1	10/12/18	WRW	PER TOWN OF CHAPEL HILL COMMENTS

COPYRIGHT © 2018
SUMMIT DESIGN AND ENGINEERING SERVICES
DRAWING ALTERNATION
DATE: 08-22-2018
BY: WRW
REASON: AS PER TOWN OF CHAPEL HILL COMMENTS
DATE: 12/05/18
BY: DMC
REASON: PER O.M.A.S.A COMMENTS
DATE: 11/30/18
BY: TAS
REASON: PER TOWN OF CHAPEL HILL COMMENTS
DATE: 10/12/18
BY: WRW
REASON: PER TOWN OF CHAPEL HILL COMMENTS

PROJECT ENGINEER/ARCHITECT
TASTIMSMITH@SUMMITDE.NET
PROJECT MANAGER
RBRANDY.HALL@SUMMITDE.NET
DRAWN BY
WRW
FIRST ISSUE DATE
08-22-2018

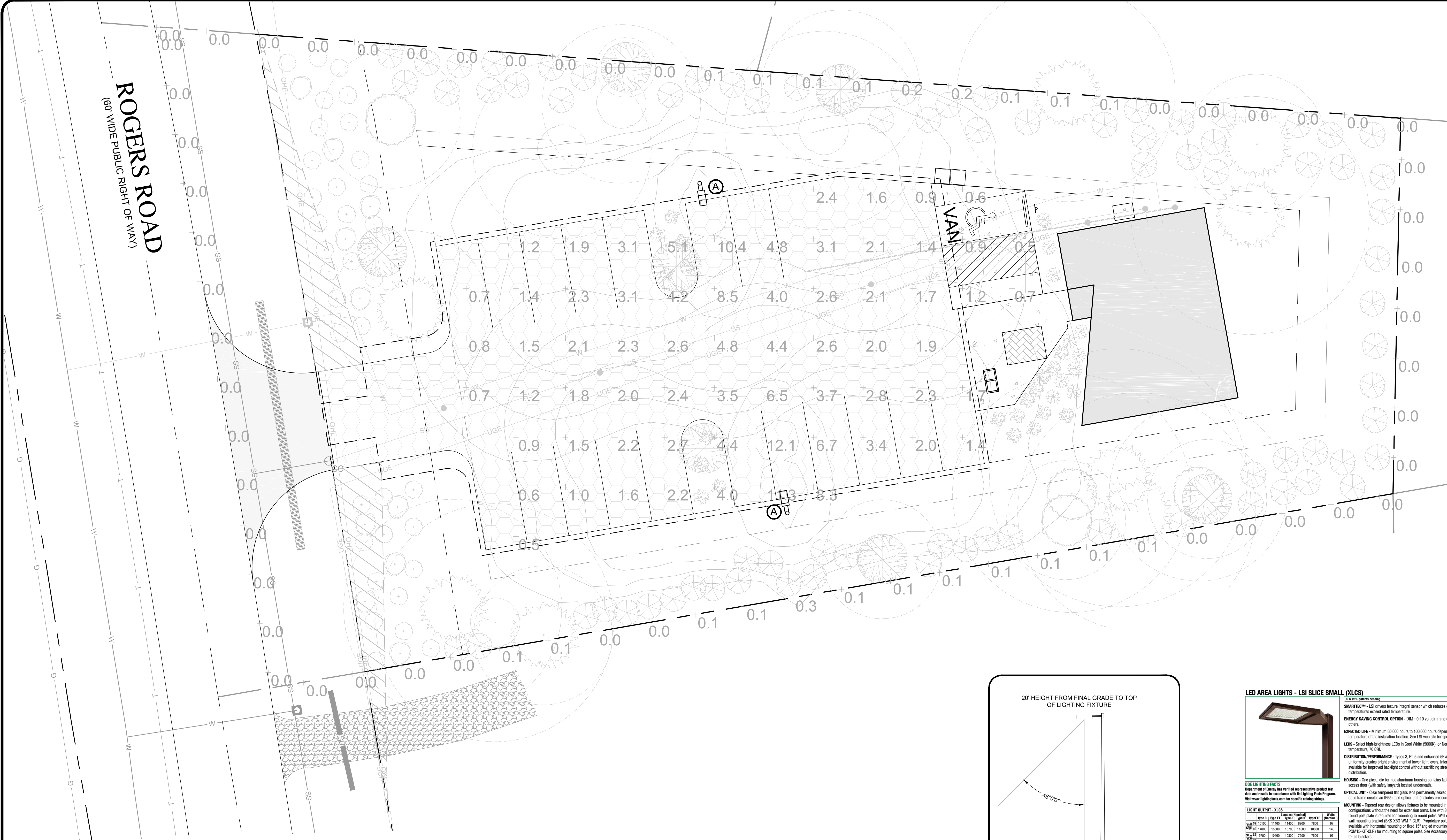


SUMMIT
Design and Engineering Services
Creatively Inspired • Technically Executed
License #: P-02938
504 Meadowland Drive
Wilmington, NC 28403
Phone: (919) 732-2222
Fax: (919) 732-2676
www.summitde.net

ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
7708 ROGERS ROAD
CHAPEL HILL, NC
LANDSCAPING PLAN

PROJECT NO.
18-0260
DRAWING NAME:
18-0260_S
SHEET NO.
C-5

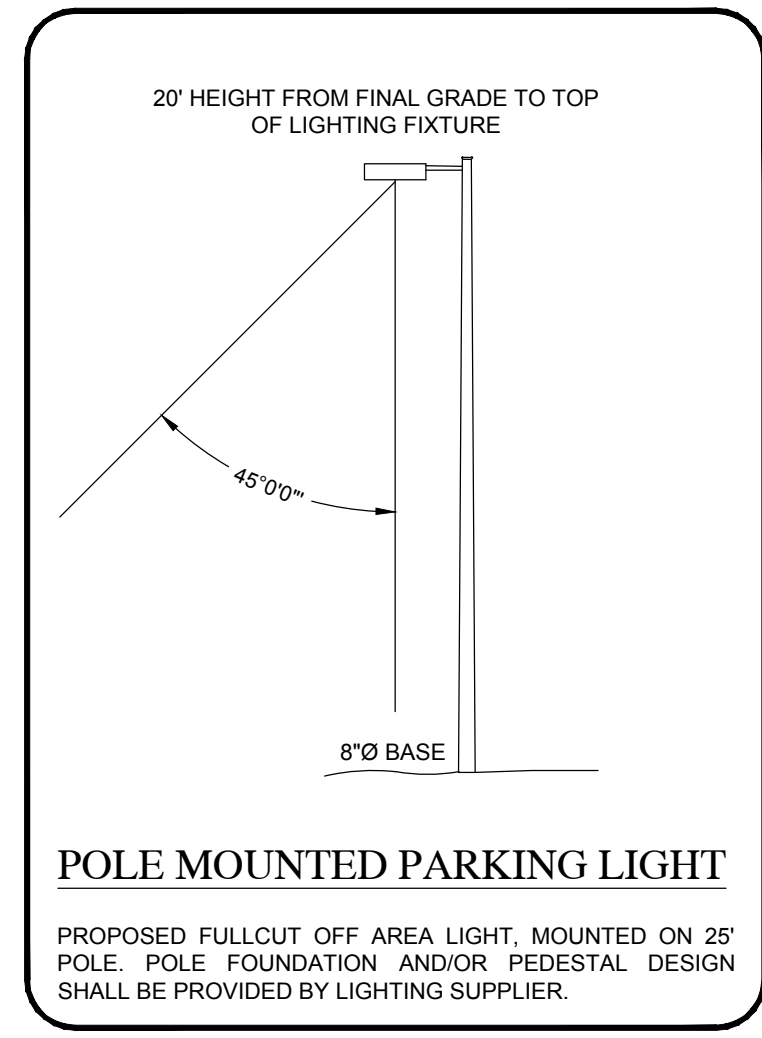




ROGERS ROAD
(60' WIDE PUBLIC RIGHT OF WAY)

PROPOSED LUMINAIRE SCHEDULE

Label	Catalog Number	Description	Lamp	File	Lamp Lumens	LLF	Watts
A	XLCS-3-LED-HO-CW	LED AREA LIGHT - LSI SLICE SMALL (XLCS) - TYPE III - HIGH OUTPUT - COOL WHITE - UNIVERSAL VOLTAGE - BLACK - 120V	XLCS-3-LED-HO-CW-UE-BLK-PC120	XLCS-3-LED-HO-CW-IES	14016	1	140



ACTUAL FIELD CONDITIONS WILL IMPACT LIGHTING INTENSITIES AND FIELD ADJUSTMENTS MAY BE NEEDED TO HEAD/LENS ANGLE AND WATTAGE TO INCREASE / DECREASE LIGHTING LEVELS TO MEET THE REQUIRED INTENSITIES.

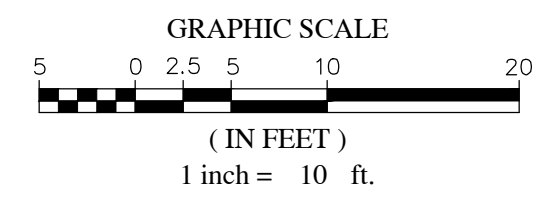
GENERAL LIGHTING NOTES:

- OWNER WILL MAINTAIN PROPOSED EXTERIOR PARKING LOT LIGHTING AND BUILDING MOUNTED LIGHTS. FIXTURES WILL BE INSPECTED SEMI-ANNUALLY AND BULBS WILL BE REPLACED AS NEEDED.
- CONTRACTOR SHALL INSTALL PARKING LOT LIGHTING FIXTURES AT 20' HEIGHT.
- CONTRACTOR SHALL COORDINATE WITH PME PLANS AND PME ENGINEER FOR ELECTRIC FEED SERVICE LOCATIONS SO THAT NECESSARY CONDUIT FOR LIGHT POLES CAN BE INSTALLED PRIOR TO PAVING OPERATIONS.
- THE LENSES IN THE LIGHT FIXTURES SHALL NOT DROP BELOW THE LIGHT FIXTURE HOUSING.
- EXTERIOR LIGHTS TO OPERATE AS REQUIRED DURING BUSINESS HOURS AND AT NIGHT.

LED AREA LIGHTS - LSI SLICE SMALL (XLCS)



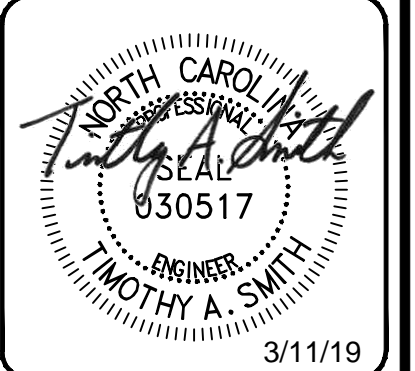
SMART™ - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.
ENERGY SAVING CONTROL OPTION - DIM - 0-10 volt dimming depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
EXPECTED LIFE - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.
LEDS - Select high-brightness LEDs in Cool White (5000K), or Neutral White (4000K) color temperature, 70°C.
DISTRIBUTION/PERFORMANCE - Types 1, FT, S and enhanced SE and FTE. Exceptional uniformity creates bright environment at lower light levels. Warm Glow (WGL) option available for improved backlight control without sacrificing street side performance for FT distribution.
HOUSING - One-piece, die-formed aluminum housing contains factory prewired driver. Wiring access door (with safety lynch) located underneath.
OPTICAL UNIT - Clear tempered flat glass lens permanently sealed to weather-tight aluminum optic frame crosses an 850-mcd optical unit (includes pressure-equalizing bracket).
MOUNTING - Tapered rear design allows fixtures to be mounted in 90° and 130° configurations without the need for extension arms. Use with 3" recessed drilling pattern. A round pole size is required for mounting to round poles. Wall mount available by using wall mounting bracket (SWS-MS-WM-CL). Proprietary pole pack mount accessories available with horizontal mounting or fixed 15° angled mounting (PDM-AT-CL) and (PDM-S-AT-CL) for mounting to square poles. See Accessory Ordering Information chart for all brackets.
ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41 2-2000, Location Category C. Available with universal voltage power supply 120-277 VAC (50/60Hz input), and 240-480 VAC. Optional battery-type photocell (PC) are available in 120, 208, 240, 277 or 54V volt (supply voltage must be specified).
DRIVER - Available in SS (Super Saver) and HD (High Output) drive currents. Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and electronic components can easily be accessed.
OPERATING TEMPERATURE - 40°C to +50°C (-40°F to +122°F)
FRESH - Fixtures are finished with LSI's Duragrip® polyester powder coat finishing process. The Duragrip® finish withstands extreme weather changes without cracking or peeling. Available in black, bronze and white. Other standard LSI finishes available. Consult factory.
WARRANTY - LSI LED fixtures carry a limited 5-year warranty.
PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.
SHIPPING WEIGHT (in cartons) - One fixture: 17.5 lbs. (7.9 kg). Packed two per carton: 30 lbs. (13.6 kg).
LISTING - UL listed to U.S. and International safety standards. Suitable for wet locations. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at www.designlights.com.
 This product or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.
 ARRA IEC ROKS CE FC IP65
 *Always comply with ANSI C136.3-2015 American National Standard for Recreatory Lighting Equipment - Luminaire Wetness ILS requirements.



NO.	DATE	BY	REVISIONS
7			
6			
5			
4	AS PER TOWN OF CHAPEL HILL COMMENTS	3/11/19	DMC
3	PER O.M.A.S.A. COMMENTS	12/05/18	DMC
2	PER TOWN OF CHAPEL HILL COMMENTS	11/20/18	TAS
1	PER TOWN OF CHAPEL HILL COMMENTS	10/12/18	WRW

COPYRIGHT © 2018
SUMMIT DESIGN AND ENGINEERING SERVICES
 DRAWING ALTERNATION
 THIS DRAWING IS THE PROPERTY OF SUMMIT DESIGN AND ENGINEERING SERVICES. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SUMMIT DESIGN AND ENGINEERING SERVICES. ANY ALTERATION TO THIS DOCUMENT IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF SUMMIT DESIGN AND ENGINEERING SERVICES.

PROJECT ENGINEER/ARCHITECT
 TASTIM SMITH@SUMMITDE.NET
PROJECT MANAGER
 BRANDY HALL@SUMMITDE.NET
DRAWN BY
 WRIWILLIAM.HART@SUMMITDE.NET
FIRST ISSUE DATE
 08-22-2018

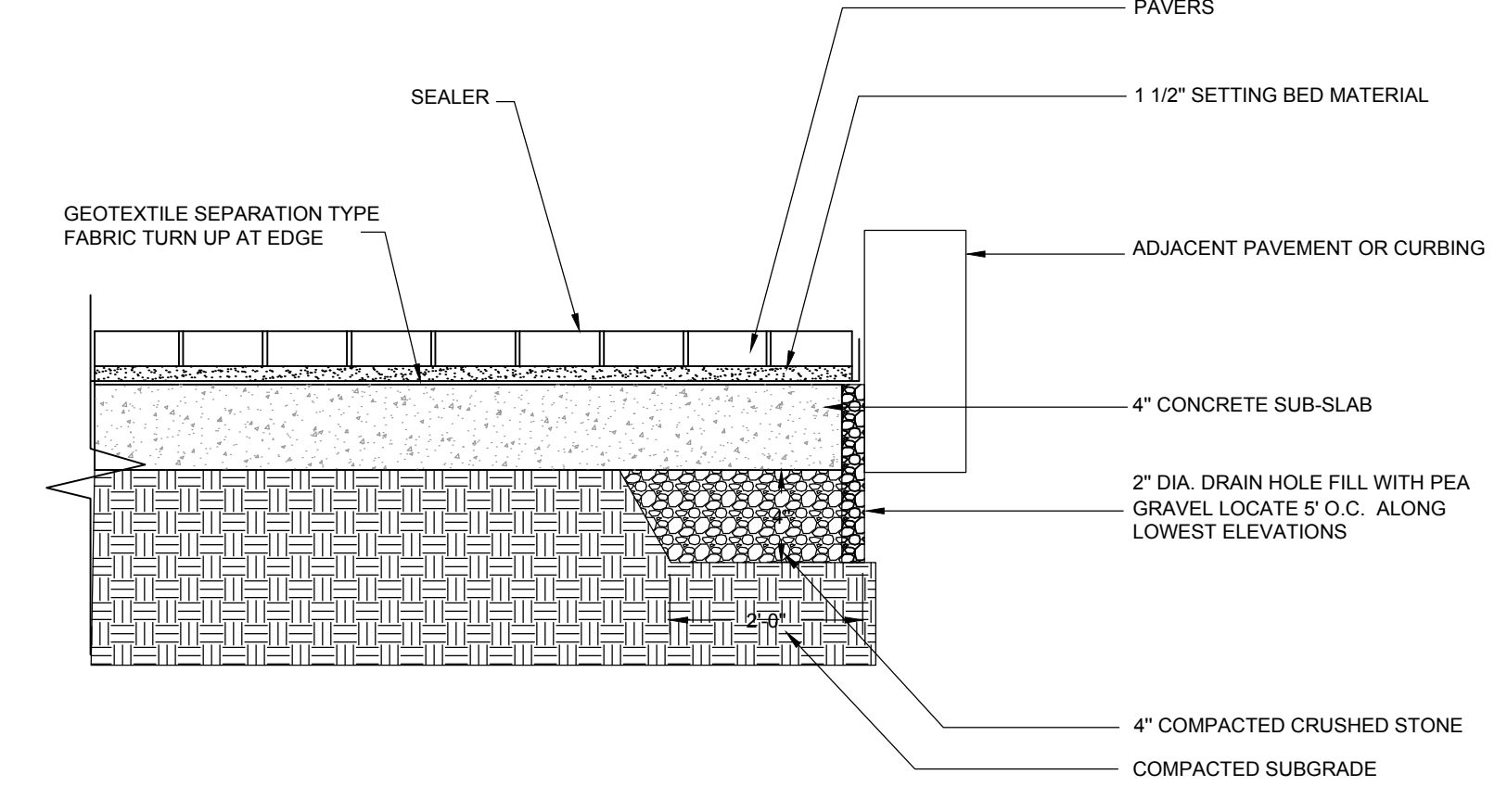
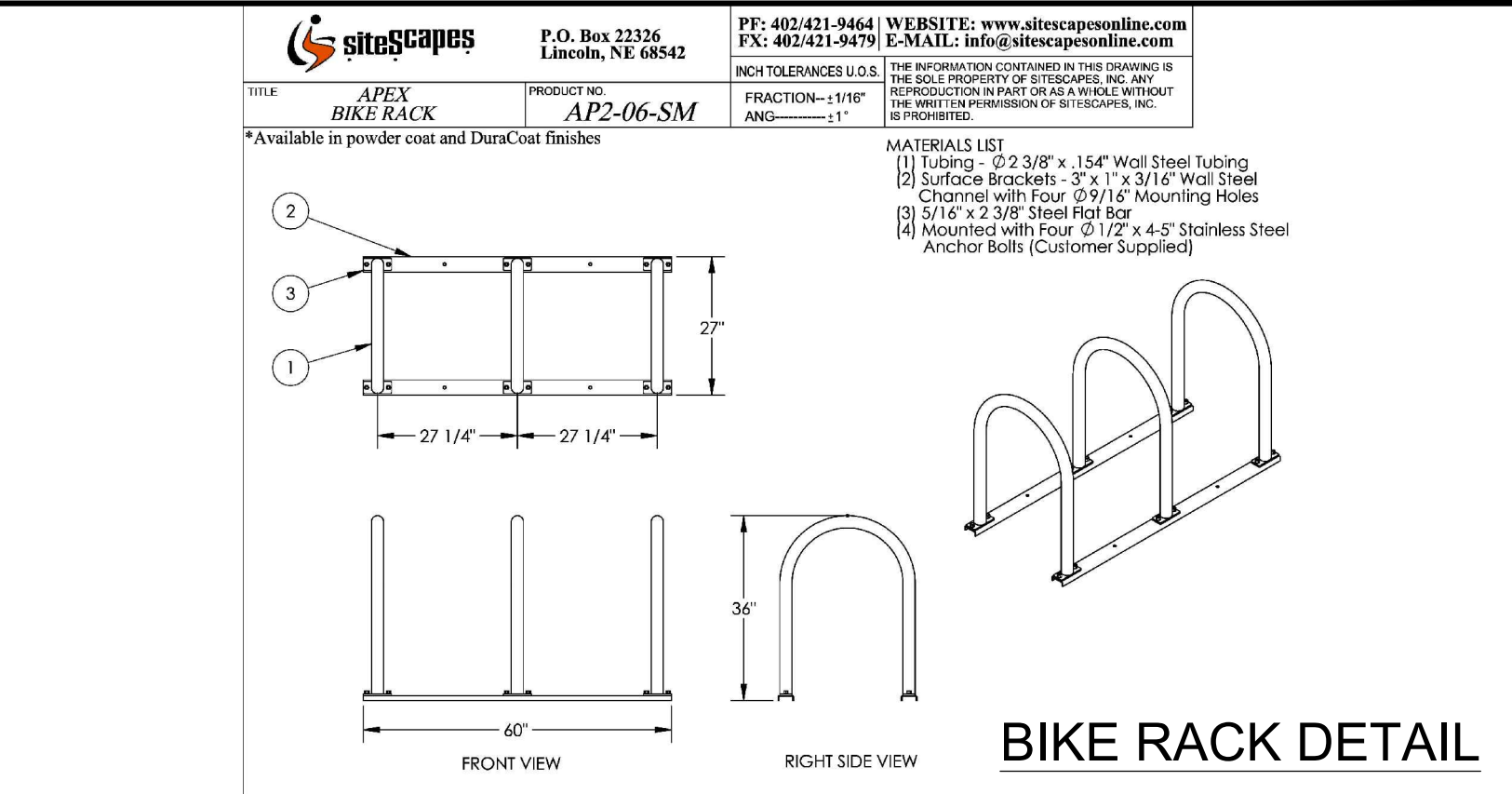
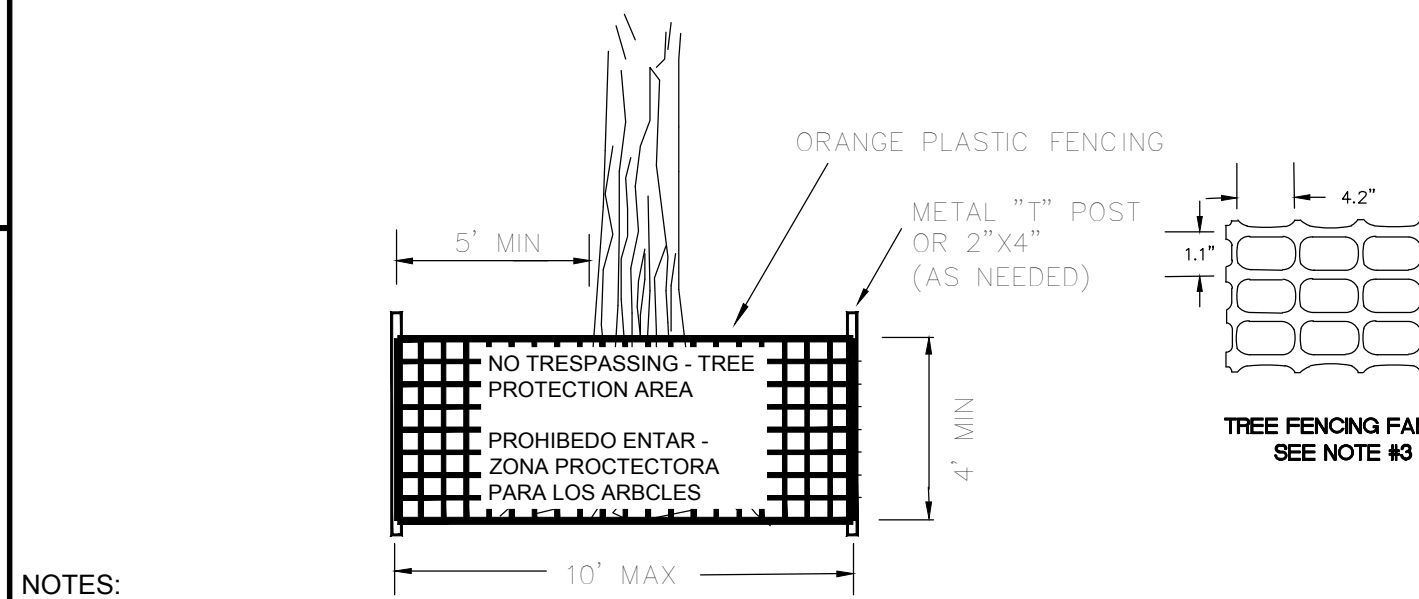
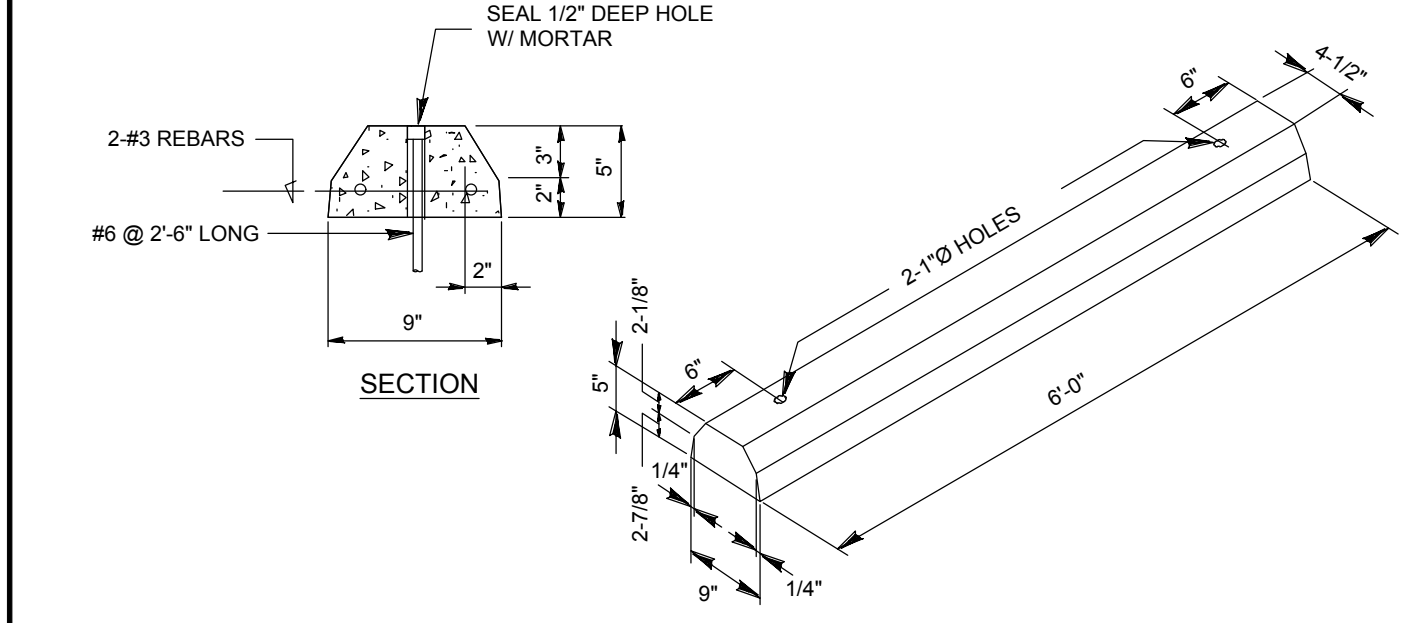
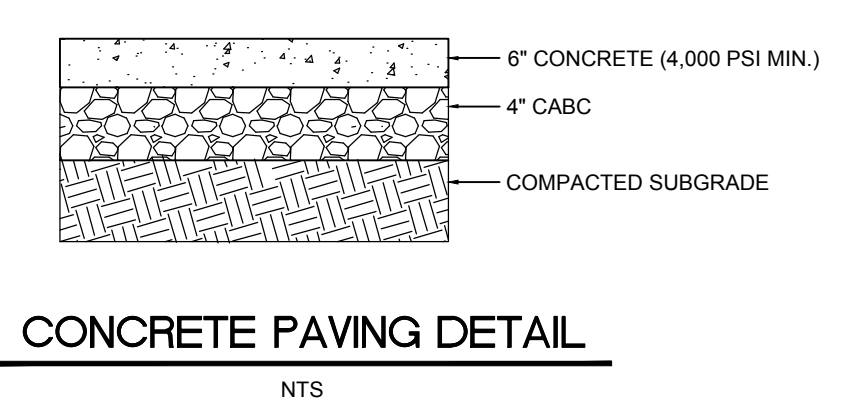
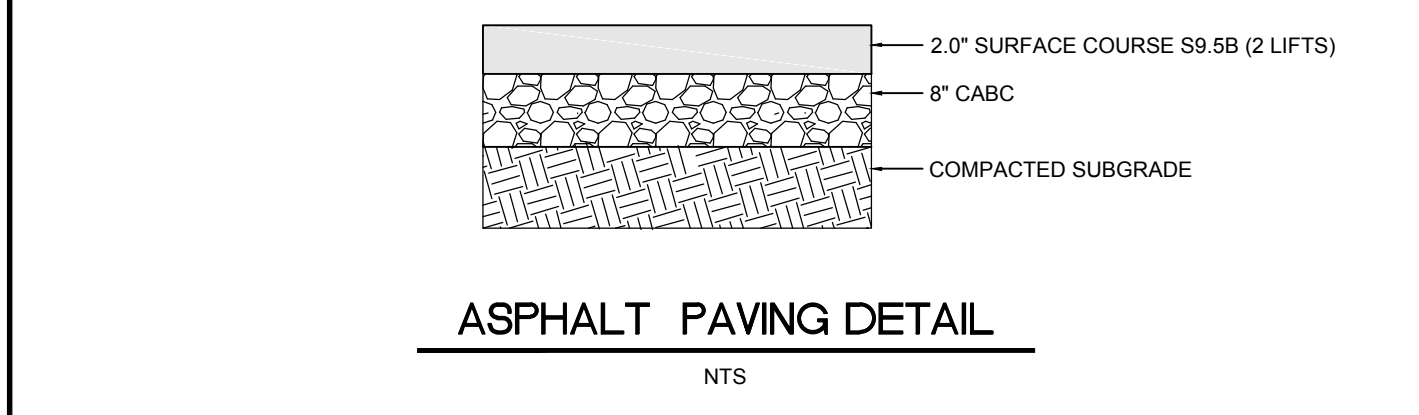
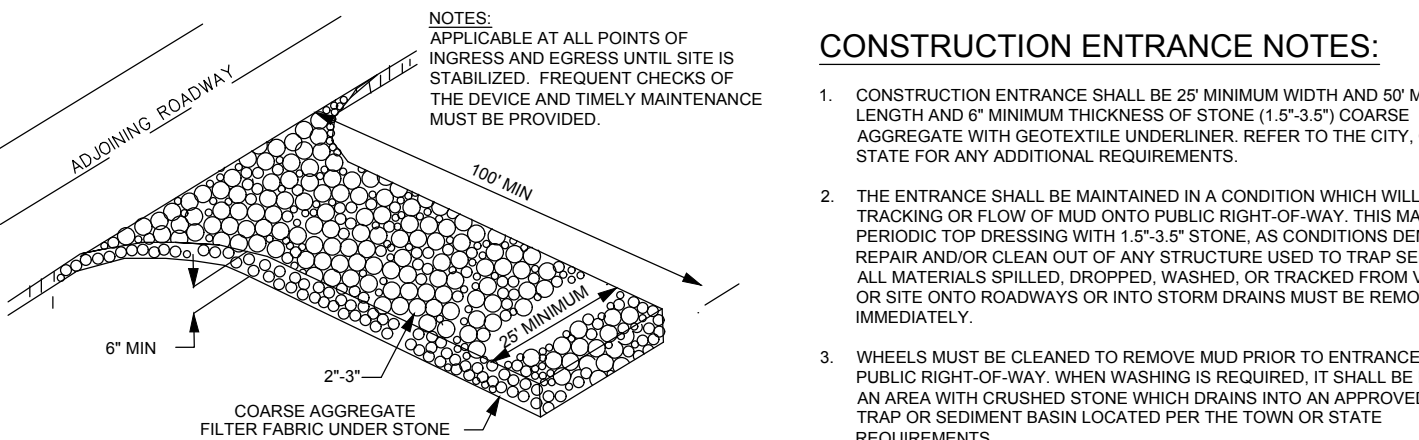
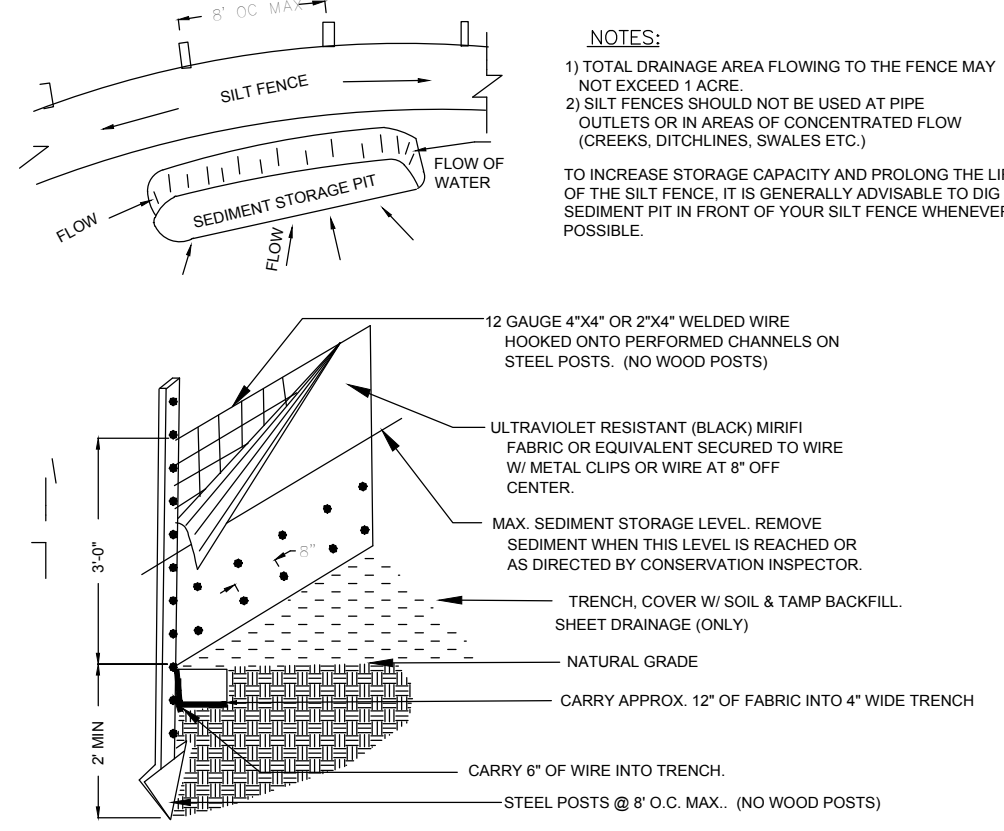
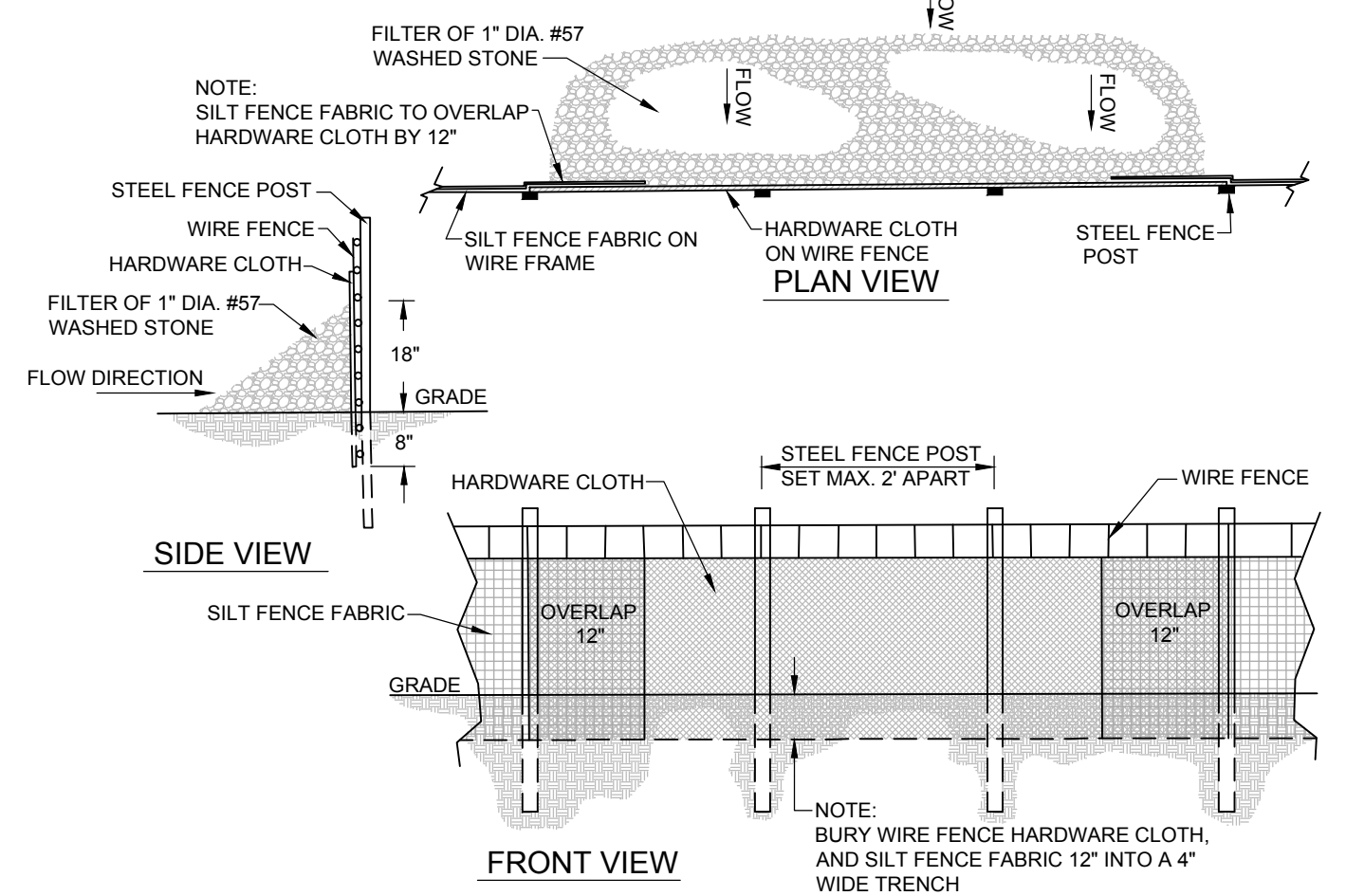
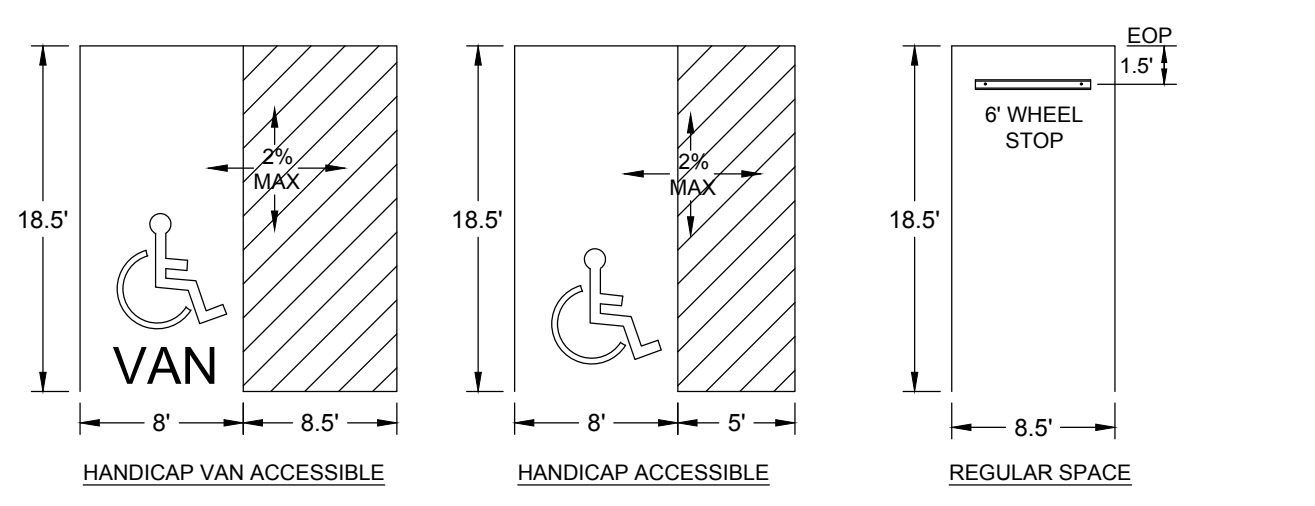
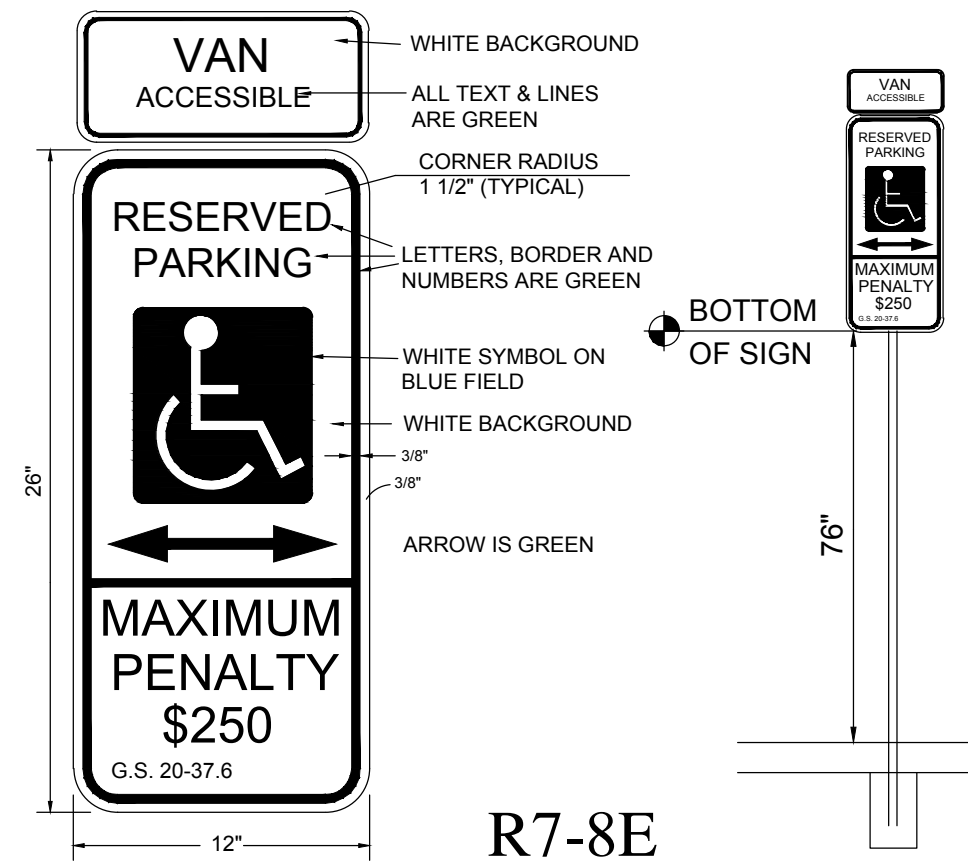


SUMMIT
 DESIGN AND ENGINEERING SERVICES
 Creatively Inspired • Technically Executed
 License # P-00398
 554 Meadowland Drive
 Winston-Salem, NC 27101
 Phone: (703) 742-2222 Fax: (919) 742-8676
 www.summitde.net

ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
 7708 ROGERS ROAD
 CHAPEL HILL, NC
LIGHTING PLAN

PROJECT NO.
18-0260
 DRAWING NAME:
 18-0260_L1
 SHEET NO.
C-6

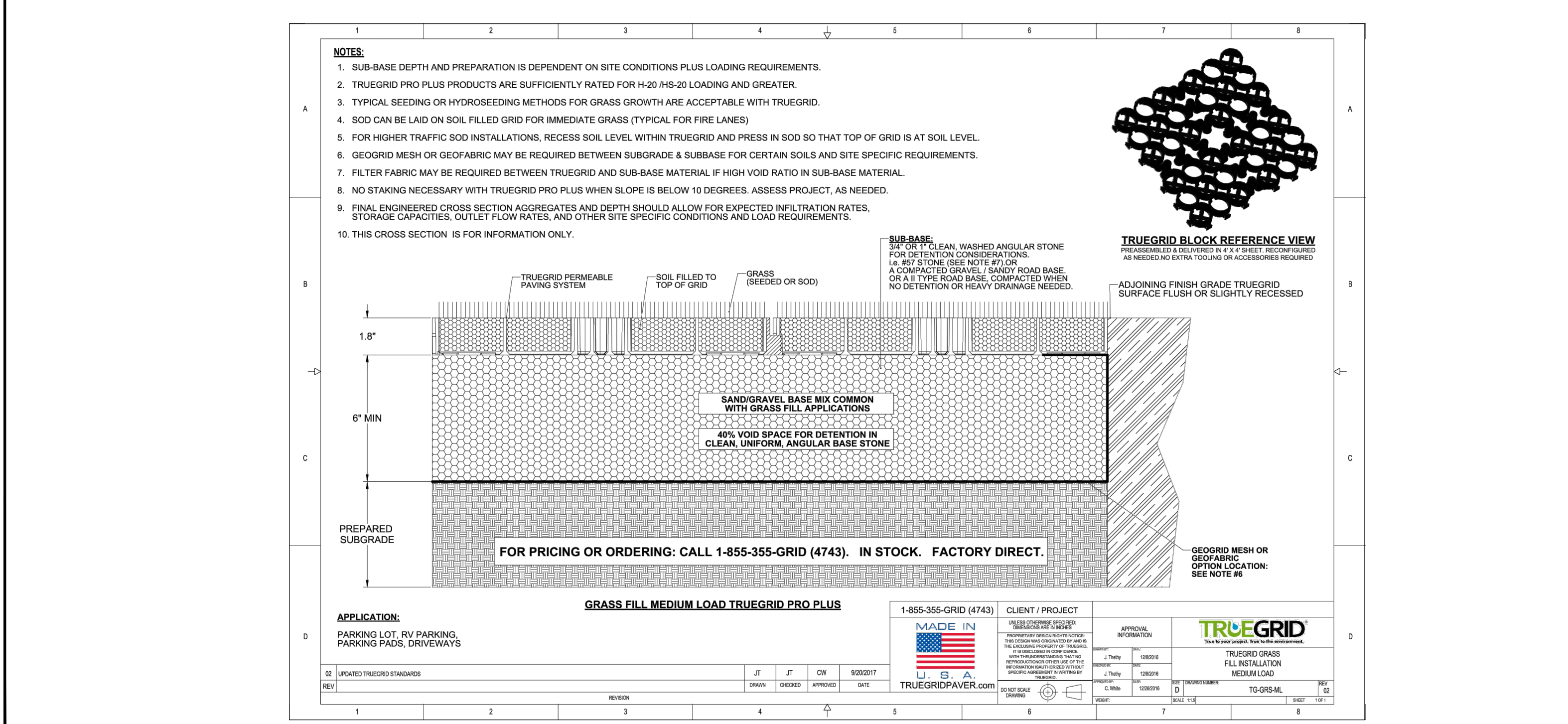
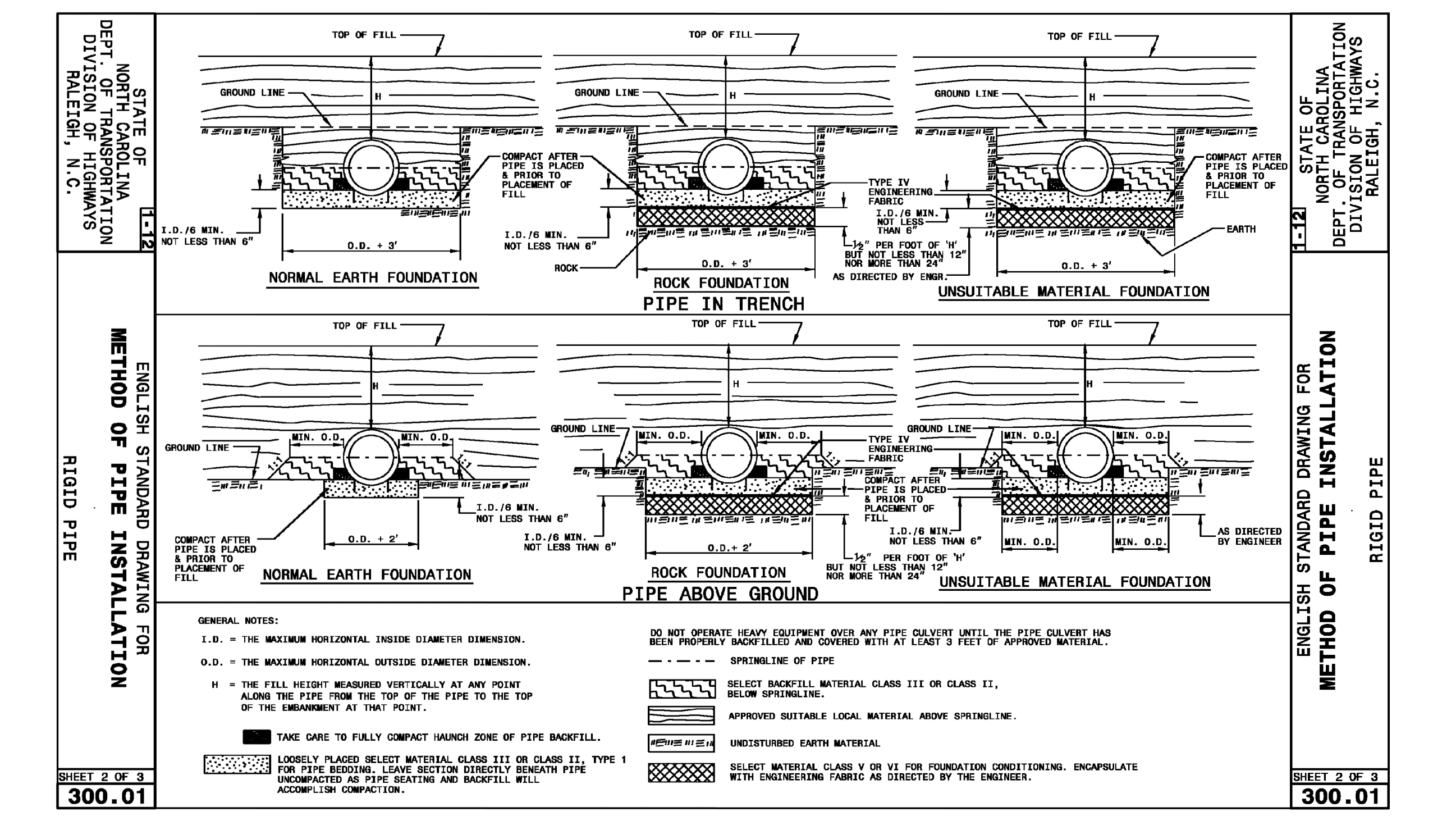




MAINTENANCE:
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

CONSTRUCTION ENTRANCE NOTES:
1. CONSTRUCTION ENTRANCE SHALL BE 25' MINIMUM WIDTH AND 50' MINIMUM LENGTH AND 6" MINIMUM THICKNESS OF STONE (1.5"-3") COARSE AGGREGATE WITH GEOTEXTILE UNDERLAYER. REFER TO THE CITY, COUNTY OR STATE FOR ANY ADDITIONAL REQUIREMENTS.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5"-3" STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURE USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
3. WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN LOCATED PER THE TOWN OR STATE REQUIREMENTS.

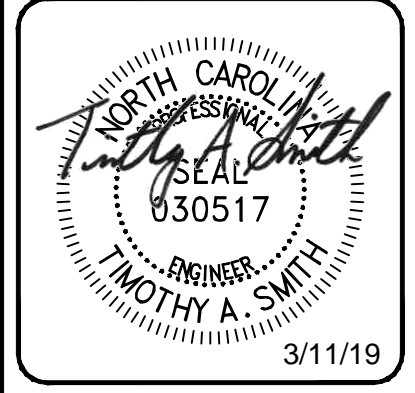
NOTES:
1. PLACE CONTINUOUS RUN OF FENCE MATERIAL AS SHOWN ON PLANS.
2. ATTACH AT 10' MAXIMUM INTERVALS TO 2X4 POSTS. DO NOT STAPLE TO TREES.
3. FENCE MATERIAL SHALL BE TENSAR HIGH STRENGTH POLYMER GEOTEXTILE POLYMER GEOTEXTILE, MORROW, GEORGIA OR EQUAL BRIGHT ORANGE COLOR.
4. AT 100' O.C. PLACE SIGNS IN ENGLISH AND SPANISH: "NO TRESPASSING - TREE PROTECTION AREA" AND "PROHIBIDO ENTAR - ZONA PROTECTORA PARA LOS ARBOLCS"
5. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE PROJECT MANAGER AND THE TOWN'S LANDSCAPE ARCHITECT BEFORE ANY SITE WORK BEGINS.
6. ANY TREE ROOTS EXPOSED BY CONSTRUCTION SHALL BE SEVERED CLEARLY WITH A PRUNING TOOL.
7. THE SOIL WITHIN THE PROTECTED AREA AROUND EXISTING TREES SHALL NOT BE DRIVEN UPON AFTER FENCE REMOVAL FOR THE PURPOSE OF INSTALLING LANDSCAPING.



NO.	REVISIONS	DATE
7		
6		
5		
4		
3		
2		
1		

COPYRIGHT © 2015 SUMMIT DESIGN AND ENGINEERING SERVICES
DRAWING ALTERATION
AS PER TOWN OF CHAPEL HILL COMMENTS
PER TOWN OF CHAPEL HILL COMMENTS
PER TOWN OF CHAPEL HILL COMMENTS
DATE

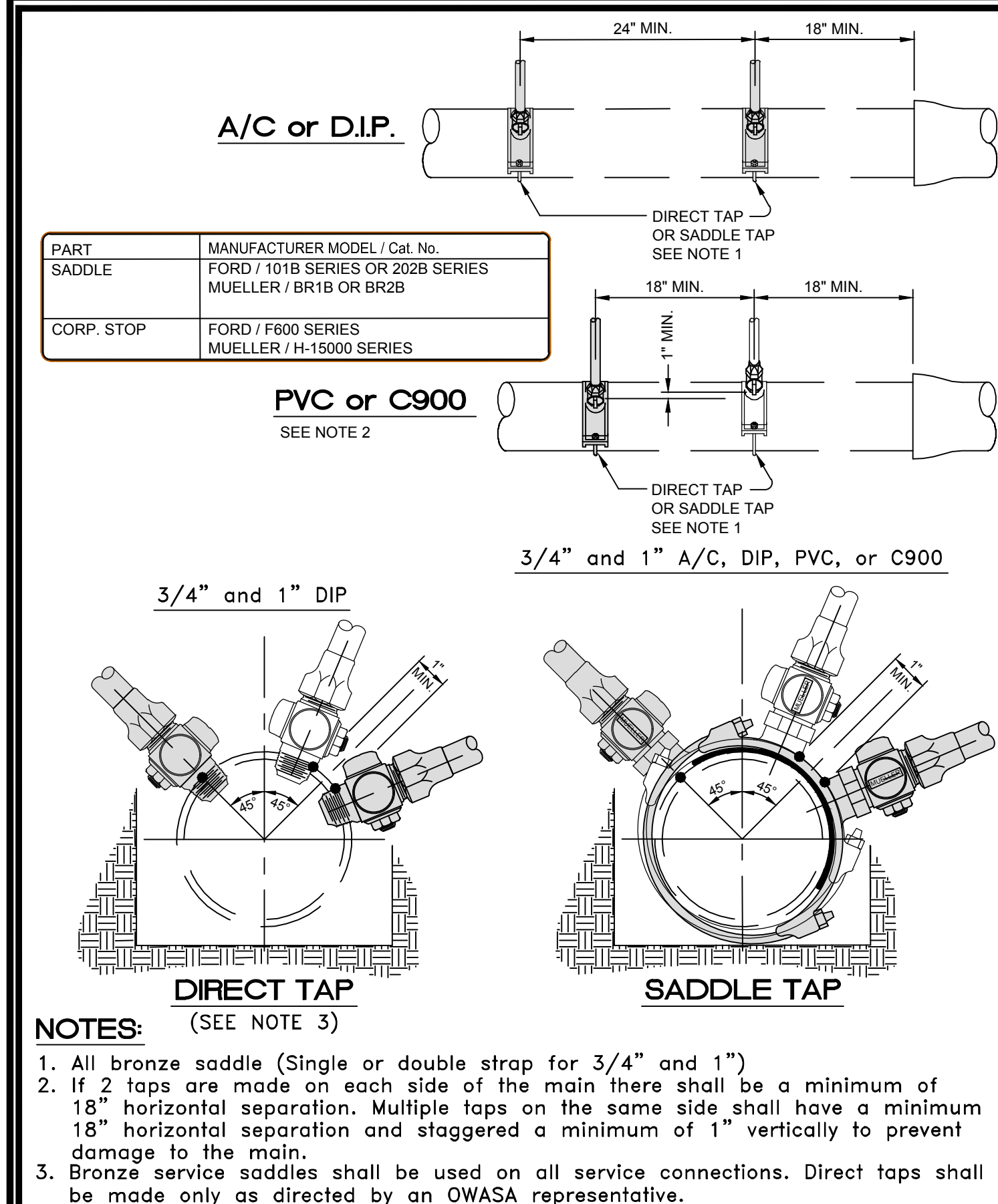
PROJECT ENGINEER/ARCHITECT
TASTIN SMITH@SUMMITDE.NET
PROJECT MANAGER
RHANDY HALL@SUMMITDE.NET
DRAWN BY
WILLIAM WIRT@SUMMITDE.NET
FIRST ISSUE DATE
08-20-18



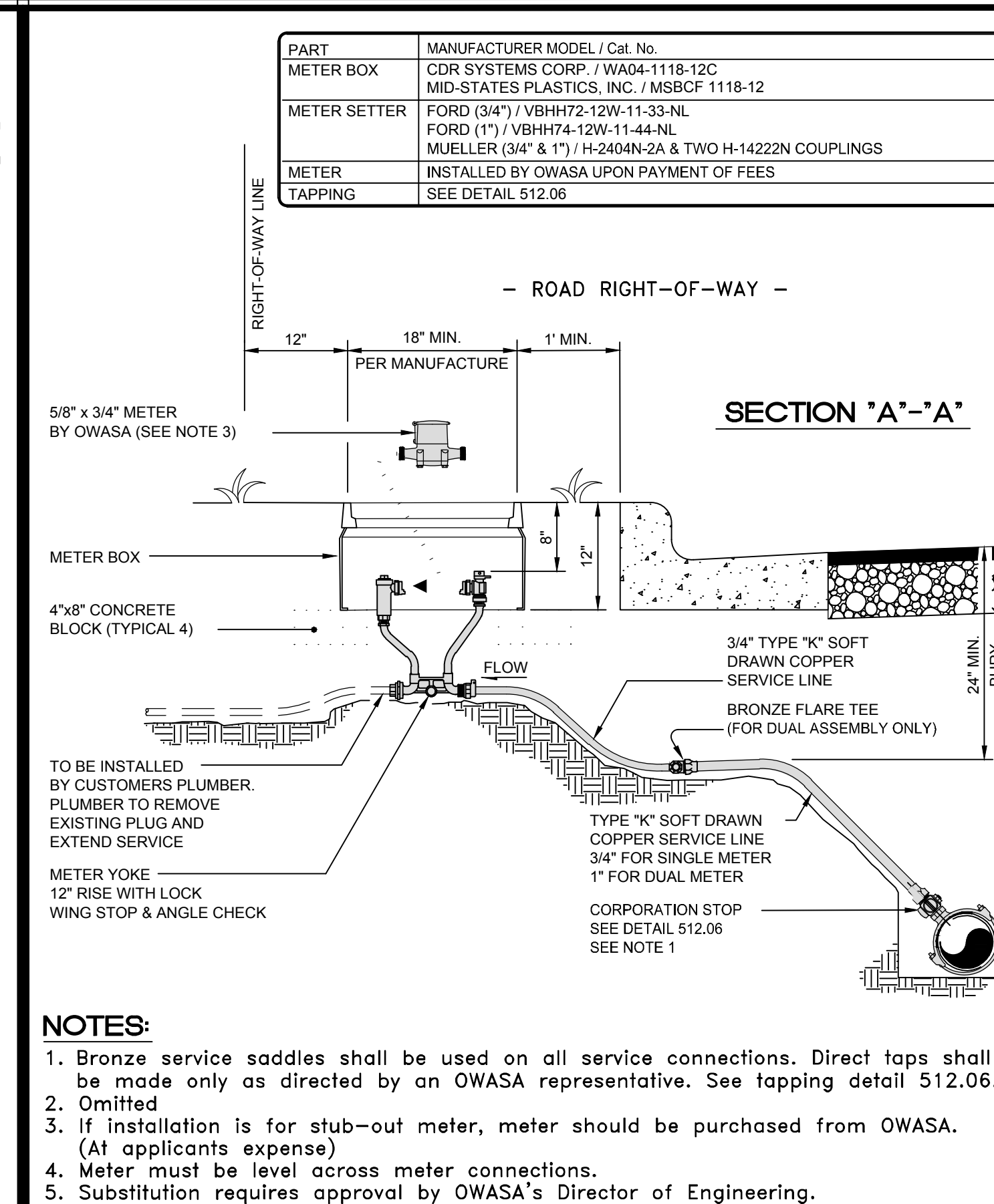
SUMMIT DESIGN AND ENGINEERING SERVICES
Creatively Inspired - Technically Executed
License # P00339
1000 S. Salisbury Ave.
Hillsborough, NC 27278-8551
Voice: (919) 732-3883 Fax: (919) 732-6676
www.summitde.net

ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
7708 ROGERS ROAD
CHAPEL HILL, NC
DETAILS

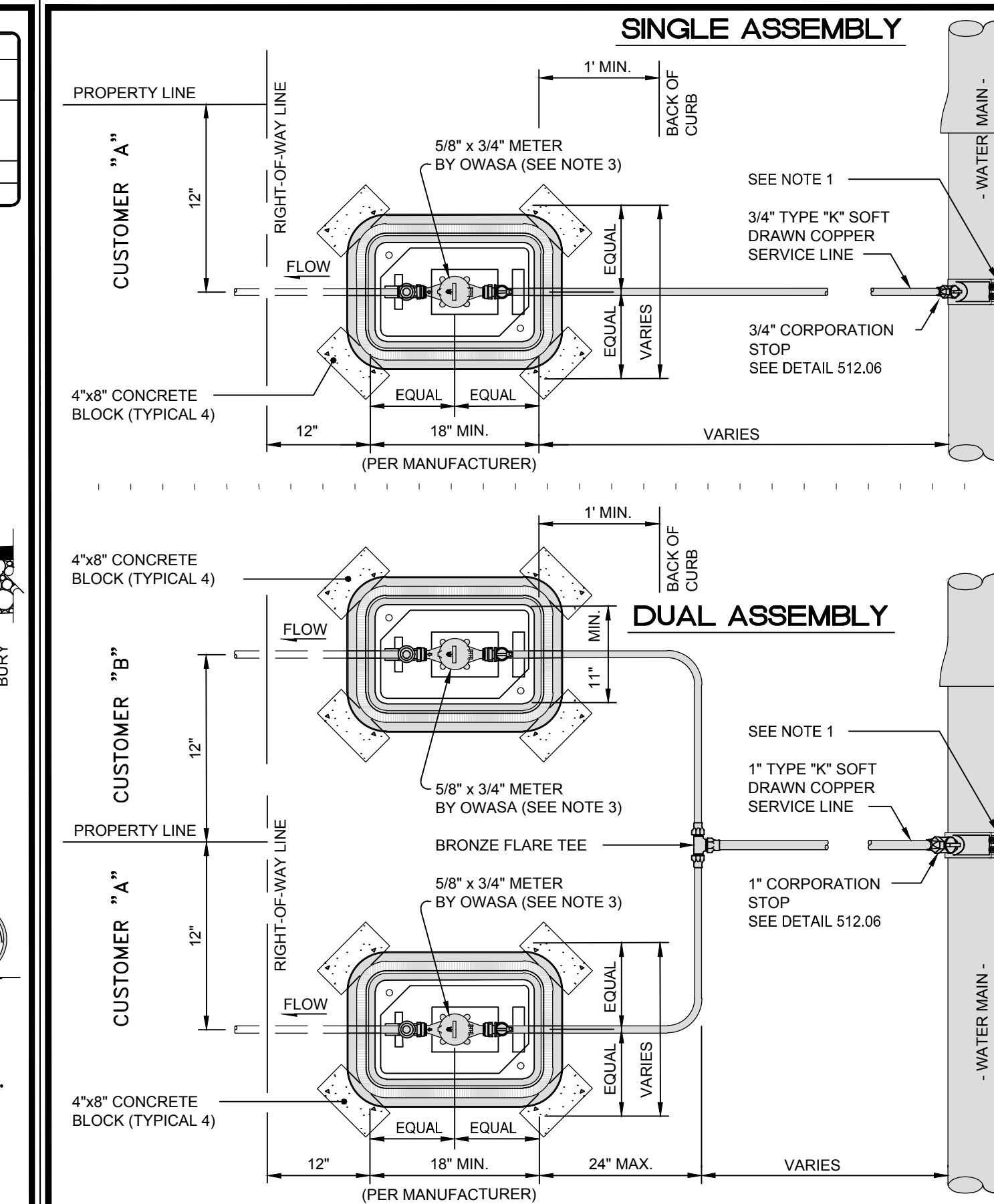
PROJECT NO.
18-0260
DRAWING NAME
18-0260_D.dwg
SHEET NO.
D-1



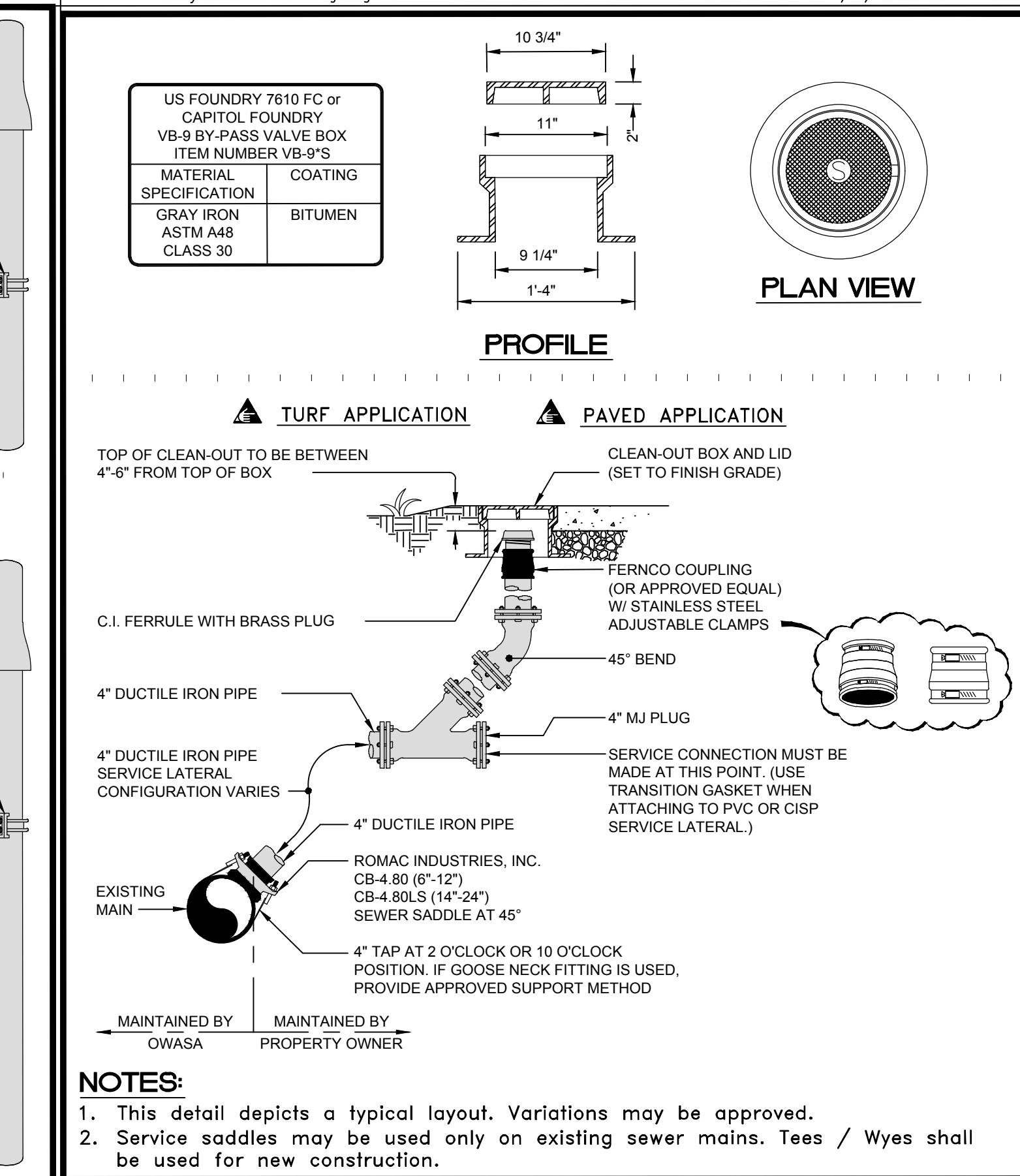
ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 2 SHEET # 1 of 1 REVISION DATE: April 13, 2007
--	--	--



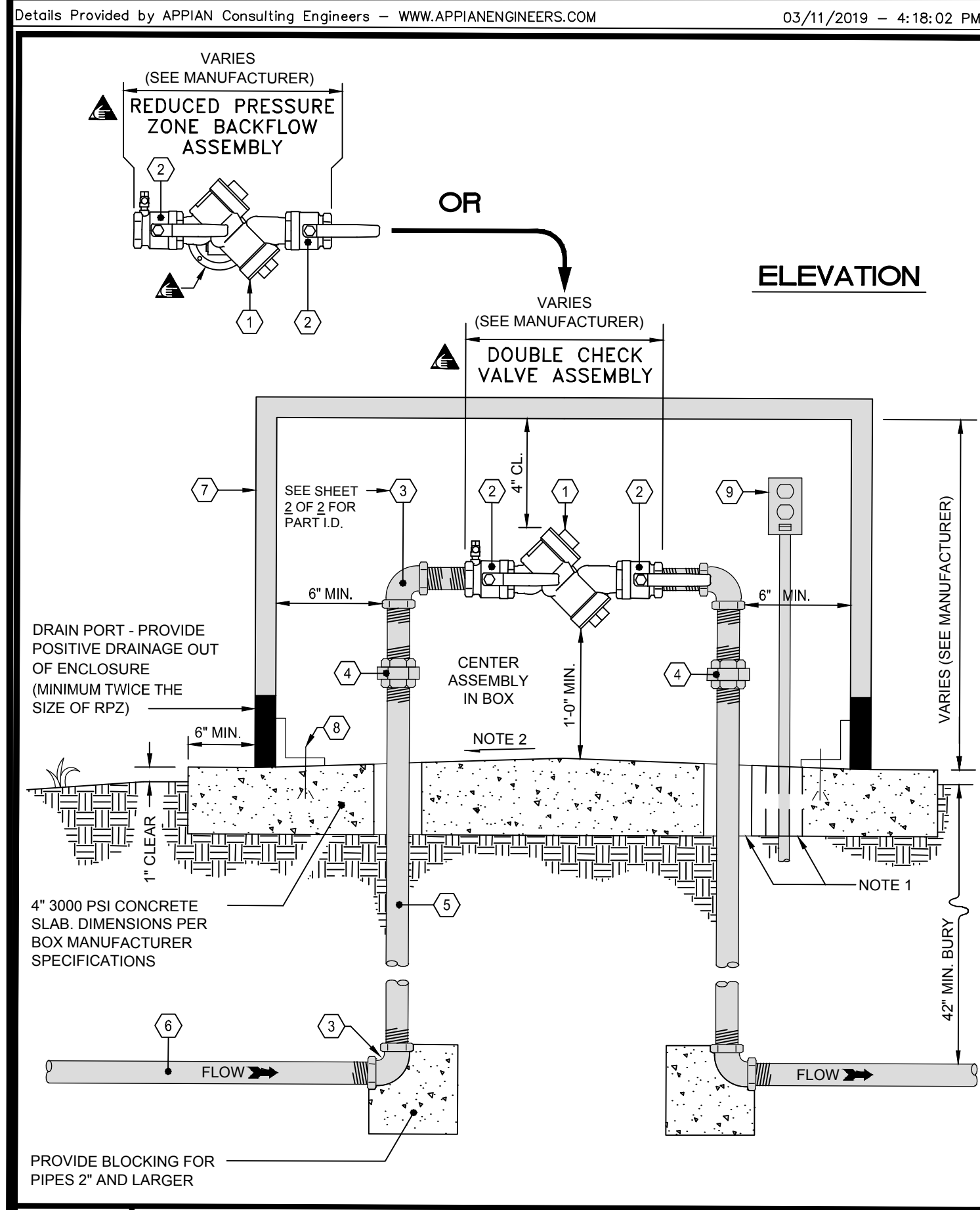
ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 2 SHEET # 1 of 2 REVISION DATE: June 28, 2012
--	--	---



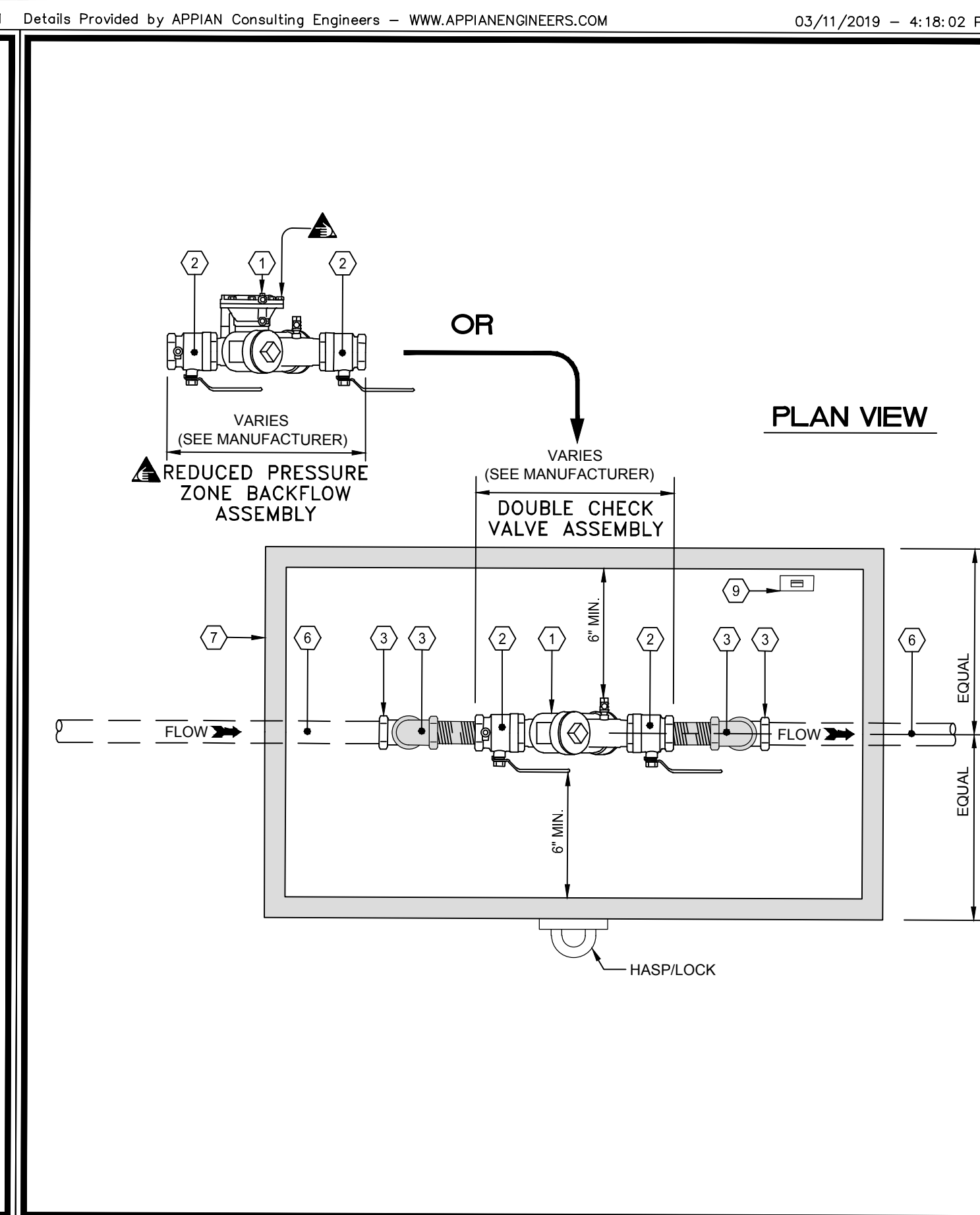
ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 2 SHEET # 2 of 2 REVISION DATE: April 13, 2007
--	--	--



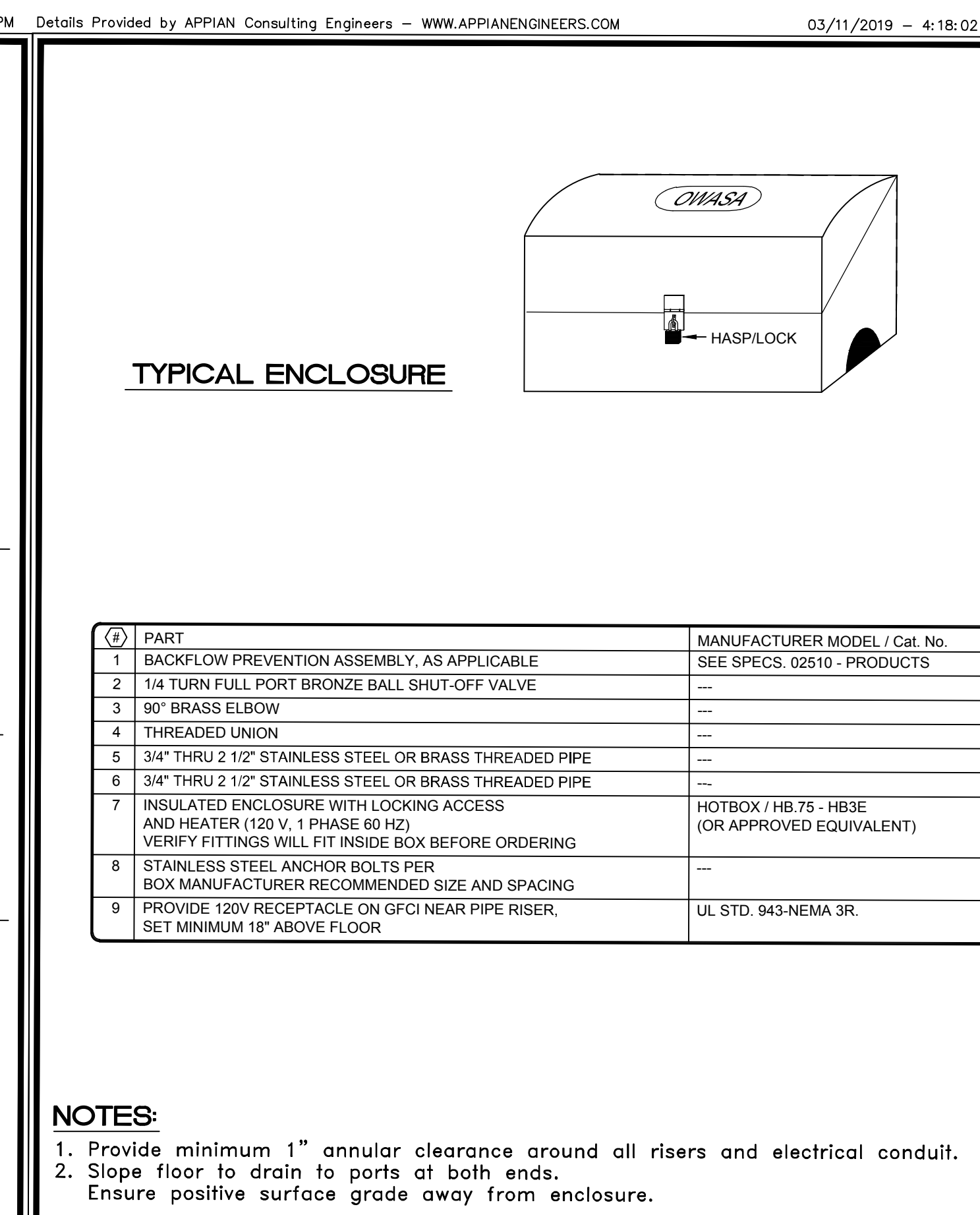
ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 2 SHEET # 1 of 1 REVISION DATE: April 13, 2007
--	--	--



ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 4 SHEET # 1 of 3 REVISION DATE: August 15, 2003
--	--	---



ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 4 SHEET # 2 of 3 REVISION DATE: August 15, 2003
--	--	---



ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 4 SHEET # 3 of 3 REVISION DATE: August 15, 2003
--	--	---

ORANGE WATER AND SEWER AUTHORITY 400 Jones Ferry Road PO Box 366 Carboro, NC 27510-0366 Voice (919) 968-4421 FAX (919) 968-4464 WWW.OWASA.ORG		SCALE: Not To Scale DETAIL # 4 SHEET # 1 of 3 REVISION DATE: August 15, 2003
--	--	---

NO.	REVISIONS	DATE	BY
7			
6			
5			
4	AS PER TOWN OF CHAPEL HILL COMMENTS	3/11/19	DNC
3	PER TOWN OF CHAPEL HILL COMMENTS	12/05/18	DNC
2	PER TOWN OF CHAPEL HILL COMMENTS	11/20/18	TAS
1	PER TOWN OF CHAPEL HILL COMMENTS	10/12/18	TAS

COPYRIGHT © 2018
 SUMMIT DESIGN AND ENGINEERING SERVICES
 DRAWING ALTERNATION
 THIS DRAWING IS THE PROPERTY OF SUMMIT DESIGN AND ENGINEERING SERVICES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR REPRODUCTION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF SUMMIT DESIGN AND ENGINEERING SERVICES IS STRICTLY PROHIBITED. ANY SUCH VIOLATION WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

PROJECT ENGINEER/ARCHITECT
 TASTIM SMITH@SUMMITDE.NE.T
 PROJECT MANAGER
 BRANDY HALL@SUMMITDE.NE.T
 DRAWN BY
 WRIWILLIAM.WIRT@SUMMITDE.NE.T
 FIRST ISSUE DATE
 08-22-2018



3/11/19

SUMMIT
 DESIGN AND ENGINEERING SERVICES
 Creatively Inspired - Technically Executed
 License # P-0239
 504 Meadowland Drive
 Morrisville, NC 27560-8455
 Phone: (919) 752-2222 Fax: (919) 752-8876
 www.summitde.net

ZONING COMPLIANCE PERMIT PLAN
WEST ST. MARKS CHURCH
 7708 ROGERS ROAD
 CHAPEL HILL, NC

PROJECT NO.
18-0260
 DRAWING NAME:
 18-0260_D.dwg
 SHEET NO.
D-2



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 6, 2019

ORANGE COUNTY

Timothy Peppers
107 Carmichael LN
Spring Lake, NC 28390

SUBJECT: Driveway Permit for West St. Marks Church
Located on SR 1729 (Rogers Road)

Dear Mr. Peppers:

Attached for your files is a copy of the Driveway Permit properly executed. The approval of this permit is also subject to the attached special provisions. This permit is valid for one year from the date of approval. A written request is needed for an extension. You will need to submit a request by February 6, 2020.

When the work has been completed, notify DeAngelo Jones by letter at P. O. Box 766, Graham, NC 27253-0766 so that a final inspection can be made. If you have any questions, please contact Mr. Jones at (336) 570-6833.

Sincerely,

A handwritten signature in black ink, appearing to read "C. N. Edwards" with a stylized flourish at the end.

C. N. Edwards, P.E.
DISTRICT ENGINEER

Attachments
CNE/ins
J. M. Mills, P.E., NCDOT Division Engineer
Town of Chapel Hill
Summit Design and Engineering Services

DPA020519-O-1 West St. Marks Church

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION 7, DISTRICT 1
PO BOX 766
GRAHAM, NC 27253-0766

Telephone: (336) 570-6833
Fax: (336) 570-6876
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
115 EAST CRESCENT SQUARE DRIVE
GRAHAM, NC 27253

DRIVEWAY PERMIT SPECIAL PROVISIONS

In addition to the requirement listed in the permit, the special provisions below are required for the subject driveway permit:

1. A copy of the permit and the approved plans stamped by NCDOT will be on the site and available for inspection by NCDOT personnel while in construction is on progress. If safety or traffic conditions warrant such an action, NCDOT reserves the right to stop all work unless evidence of approval can be shown.
2. **It will be necessary for you or your contractor to notify Mr. DeAngelo Jones, Assistant District Engineer, upon receipt of this letter to schedule a mandatory Preconstruction Conference, to provide your anticipated date of starting or to review any plan revisions made by the District Office prior to construction beginning on this permit. Mr. Jones can be reached at (336) 570-6833 between the hours of 8:00 a.m. and 5:00 p.m. Monday through Friday.**
3. **When working within NCDOT right of way, District Personnel, Shawn Smith, shall be notified twenty- four (24) hours in advance at telephone number (336) 570-6833 for inspection at each of the following phases: (A) Drainage, (B) Grading, (C) Placement of base, (D) Paving, (E) Seeding.**
4. **When the work has been completed, please notify Mr. Jones by letter at P.O. Box 766, Graham, North Carolina 27253-0766 in order that a final inspection can be made.**
5. **WORK ZONE TRAFFIC CONTROL QUALIFICATIONS AND TRAINING PROGRAM-** Effective July 1, 2010, all flagging operations within NCDOT Right of Way required qualified and trained Work Zone Flaggers. Effective July 1, 2011, qualified and trained Work Zone Traffic Control Supervisors will be required on Significant Projects. Training for this certification will be provided by NCDOT approved training sources and/or private entities that have been pre-approved to train themselves. If you have questions, visit our web site at www.ncdot.org/doh/preconstruction/wztc/wztctrainingprogam/default.html or contact Stuart Bourne, P.E. with NCDOT Work Zone Traffic Control Unit at (919) 250-4159 or sbourne@ncdot.gov.
6. That the party of the second part agrees to provide traffic control devices, lane closures, road closures, positive protection and/or any other warning or positive protection devices necessary for the safety of road users during construction and any subsequent maintenance. This shall be performed in conformance with the latest NCDOT Roadway Standard Drawings and Standard Specifications for Road and Structures and Amendments or Supplements thereto. When there is no guidance provided in Roadway Standard Drawings or Specifications, comply with the Manual on Uniform Traffic Control Devices for Streets and Highways and Amendment or Supplement thereto. Information as to the above rules and regulations may be obtained from the Division Engineer of the party of the first part.
7. **Work requiring lane closure or restrictions will not be allowed between 7:00 am – 9:00 am and 4:00 p.m. – 7:00 p.m. Monday through Friday unless otherwise directed by the District Engineer or as shown on the approved plans.**
8. **At least one lane of traffic shall remain open at all times.**

9. Any work requiring equipment or personnel within 5' of the edge of any travel lane shall require a lane closure with appropriate tapers.
10. The District Office must be consulted if there are any changes in the plans as they were submitted.
11. Any damage to roadway, structures, or associated appurtenances shall be restored to its original condition as directed by the District Engineer.
12. Excavation material shall not be placed on the pavement. Drainage structures shall not be blocked with excavation material.
13. The applicant shall comply with all applicable federal, state and local environmental regulations, and shall obtain all necessary federal, state and local environmental permits, including but not limited to, those related to sediment control, storm water, wetland, streams, endangered species, and historical sites.
14. Trenching, bore pits, and other excavations within the safe recovery area shall not be left open or unprotected so as to expose motor vehicle or pedestrian traffic to unsafe conditions. The contractor shall comply with all OSHA requirements and provide a competent person on site to supervise excavations at all times.
15. All suitable backfill material shall be compacted to 95% density in the shoulder areas, 100% density under pavement areas and in accordance with AASHTO T99 as modified by the North Carolina Department of Transportation. Note if contractor starts before weather conditions improve, then the existing material removed shall be replaced with suitable material as approved by the District Engineer so that proper compaction can be obtained. Certified compaction test results are to be submitted to the District Engineer upon request.
16. Excavation within 500 feet of a signalized intersection will require notification by the applicant to Skeet Bordeaux, Electronics Technician III at telephone number (336) 375-5477. All traffic signal or detect cables must be located prior to excavation.
17. Before planting any landscape within the right of way, the encroaching party shall submit an application for a planting permit to this office. The permit must be approved prior to the installation of any plans.
18. All disturbed areas shall be repaired with the following rate of seed, fertilizer and limestone in pounds per acre, and the areas properly mulched and tacked:
 - 25# Reliant Hard Fescue
 - 100# Alta or Kentucky 31 Tall Fescue
 - 25# Kenblue Kentucky Bluegrass
 - 1000# 5-10-10 Fertilizer
 - 4000# Limestone
19. For your general information:
 - The \$50.00 inspection fee for this driveway connection was paid by check.
(Check #001262)

APPLICATION IDENTIFICATION		N.C. DEPARTMENT OF TRANSPORTATION STREET AND DRIVEWAY ACCESS PERMIT APPLICATION
Driveway Permit No.	Date of Application	
County: <u>ORANGE</u>		
Development Name: <u>WEST ST. MARK CHURCH OF CHRIST</u>		

LOCATION OF PROPERTY:

Route/Road: S.R. 1729 (ROGERS ROAD)

Exact Distance 1430 Miles Feet N S E W

From the Intersection of Route No. S.R. 1727 and Route No. S.R. 1729 Toward S.R. 1777

Property Will Be Used For: Residential /Subdivision Commercial Educational Facilities TND Emergency Services Other

Property: is is not within City Zoning Area.

AGREEMENT

- I, the undersigned property owner, request access and permission to construct driveway(s) or street(s) on public right-of-way at the above location.
- I agree to construct and maintain driveway(s) or street entrance(s) in absolute conformance with the current "Policy on Street and Driveway Access to North Carolina Highways" as adopted by the North Carolina Department of Transportation.
- I agree that no signs or objects will be placed on or over the public right-of-way other than those approved by NCDOT.
- I agree that the driveway(s) or street(s) will be constructed as shown on the attached plans.
- I agree that that driveway(s) or street(s) as used in this agreement include any approach tapers, storage lanes or speed change lanes as deemed necessary.
- I agree that if any future improvements to the roadway become necessary, the portion of driveway(s) or street(s) located on public right-of-way will be considered the property of the North Carolina Department of Transportation, and I will not be entitled to reimbursement or have any claim for present expenditures for driveway or street construction.
- I agree that this permit becomes void if construction of driveway(s) or street(s) is not completed within the time specified by the "Policy on Street and Driveway Access to North Carolina Highways".
- I agree to pay a \$50 construction inspection fee. Make checks payable to NCDOT. This fee will be reimbursed if application is denied.
- I agree to construct and maintain the driveway(s) or street(s) in a safe manner so as not to interfere with or endanger the public travel.
- I agree to provide during construction proper signs, signal lights, flaggers and other warning devices for the protection of traffic in conformance with the current "Manual on Uniform Traffic Control Devices for Streets and Highways" and Amendments or Supplements thereto. Information as to the above rules and regulations may be obtained from the District Engineer.
- I agree to indemnify and save harmless the North Carolina Department of Transportation from all damages and claims for damage that may arise by reason of this construction.
- I agree that the North Carolina Department of Transportation will assume no responsibility for any damages that may be caused to such facilities, within the highway right-of-way limits, in carrying out its construction.
- I agree to provide a Performance and Indemnity Bond in the amount specified by the Division of Highways for any construction proposed on the State Highway system.
- The granting of this permit is subject to the regulatory powers of the NC Department of Transportation as provided by law and as set forth in the N.C. Policy on Driveways and shall not be construed as a contract access point.
- **I AGREE TO NOTIFY THE DISTRICT ENGINEER WHEN THE PROPOSED WORK BEGINS AND WHEN IT IS COMPLETED.**

SIGNATURES OF APPLICANT

PROPERTY OWNER (APPLICANT)		WITNESS	
COMPANY	<u>Timothy Pepper</u>	NAME	<u>Allen Ebers</u>
SIGNATURE	<u>Timothy Pepper</u>	SIGNATURE	<u>[Signature]</u>
ADDRESS	<u>107 Carywood Ln SP LK</u>	ADDRESS	<u>124 McArthur Rd.</u>
	Phone No. _____		<u>Fayetteville NC 28311</u>

AUTHORIZED AGENT		WITNESS	
COMPANY	<u>SUMMIT DESIGN & ENGINEERING</u>	NAME	<u>TIMOTHY A. SMITH</u>
SIGNATURE	<u>Randy Hall</u>	SIGNATURE	<u>[Signature]</u>
ADDRESS	<u>504 MEADOWLANDS DRIVE, HILLSBOROUGH</u>	ADDRESS	<u>504 MEADOWLANDS DR.</u>
	NC 27278 Phone No. <u>919-732-3883</u>		<u>HILLSBOROUGH, NC 27278</u>

APPROVALS

APPLICATION RECEIVED BY DISTRICT ENGINEER

SIGNATURE DATE

APPLICATION APPROVED BY LOCAL GOVERNMENTAL AUTHORITY (when required)

[Signature] SIGNATURE Public Works Director TITLE 1/8/19 DATE

APPLICATION APPROVED BY DISTRICT ENGINEER

[Signature] SIGNATURE DATE

INSPECTION BY NCDOT

SIGNATURE TITLE DATE

COMMENTS:

Orange Water And Sewer Authority



Fire Flow Test Report

Location: Rogers Road

Test Made By: Crew 4 Time: 11:00 AM Date: 12/06/18

Requested By: Tim Smith Phone: (919) 732-3883

Date Requested: 12/3/2018 FAX: _____

Flow Hydrant No. 6535 Gauge Hydrant No. 6533

Hydrant Make Flow: American Darling Nozzle Size: 2½"

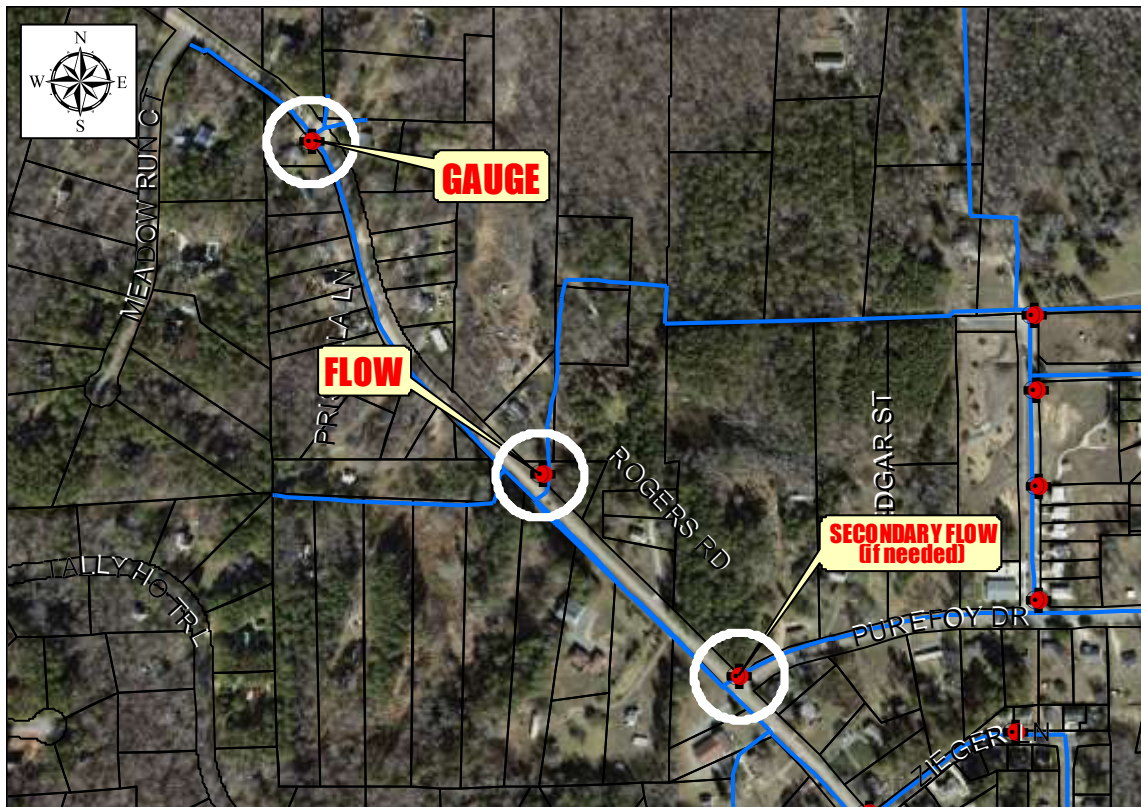
Hydrant Make Gauge: American Darling Nozzle Size: 2½"

Expected Static Pressure (PSI): _____ (Approx.)

Static Pressure (PSI): 88 Pitot Reading: 55 / 60

Residual Pressure (PSI) 64 Flow (GPM): 1250 / 1300

Sketch:





10/17/18

Timothy A. Smith;

Summit Design and Engineering;

RE: 7708 Rogers Rd, Chapel Hill N.C.;

St. Marks Church;

This letter is to inform all parties associated with the above referenced project, that it is the intent of PSNC Energy to provide natural gas service to your facility. A feasibility study must be submitted to our engineering division to determine if any cost will be associated in providing the natural gas service.

I will be your point of contact for the duration of this project. Please feel free to contact me with any concerns.

Thanks,

Brian Smith

PSNC ENERGY

919-598-7454



OPINION OF PROBABLE CONSTRUCTION COSTS

PROJECT: West St. Marks Church of Christ
 PROJECT NO.: 18-0260

DATE: 3/11/2019
 BY: TAS

DESCRIPTION	QUANTITY	UNIT	UNIT COST	SUB-TOTAL	TOTAL
CONCRETE					\$ 1,891
5' wide sidewalk @ 4" thickness	61.00	yds ²	\$ 31.00	\$ 1,891.00	
ASPHALT					\$ 1,500
5' Wide Bike Lane	50.00	yds ²	\$ 30.00	\$ 1,500.00	
SUB-TOTAL					\$ 3,391
15% Contingency					\$ 509
TOTAL ESTIMATED CONSTRUCTION COST					\$ 3,900