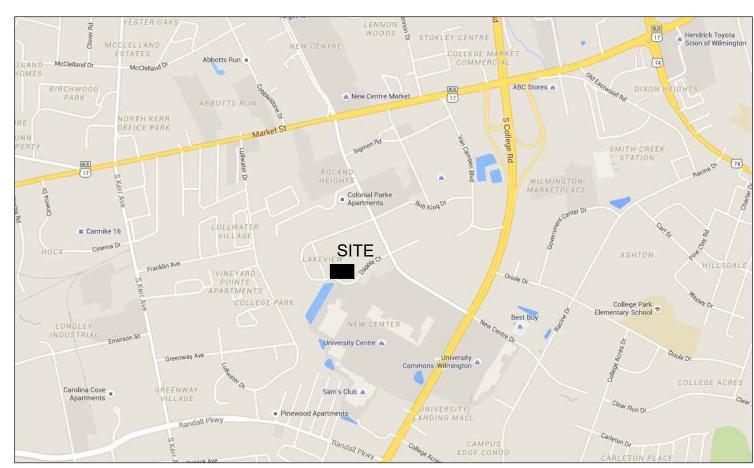
# HAWTHORNE AT NEW CENTRE CLUBHOUSE & FITNESS CENTER 137 DAPPLE COURT CITY OF WILMINGTON



## **LOCATION MAP** SCALE: NTS

LEGEND

WATER		SITE DEVELOPME	ENT
W	EXISTING WATER LINE		EX. STORM SEWER PIPE
W	WATERLINE		PROPOSED STORM SEWER
$\oplus$	EX. VALVE	s	EX. STORM STRUCTURE
<b>9</b>	PROPOSED WATER VALVE		CATCH BASIN
	POST INDICATOR VALVE (PIV)		DROP INLET
M	EX. WATER METER	$\bigcirc$	EX. STORM SEWER MANHOLE
М	WATER METER	$\bigcirc$	STORM SEWER MANHOLE
<b>_</b>	EX. FIRE HYDRANT		EX. ROOF DRAIN LEADER
-6-	FIRE HYDRANT		ROOF DRAIN LEADER
D	REDUCER FITTING	۲	EX. ROOF DRAIN DOWNSPOUT
	PLUG FITTING	8	ROOF DRAIN DOWNSPOUT
<del> T </del>	WATERLINE TEE		EX. CURB AND GUTTER
	WATERLINE CROSS		CURB AND GUTTER
$\mathcal{C}$	FIRE DEPARTMENT CONNECTION (FDC)		EXISTING PROPERTY LINE
0+	WATERLINE BLOWOFF		PROPERTY LINE
Φ	EX. WELL CASING	$\oplus$	BENCHMARK AND/OR SURVEY
SANITARY SEWE	R		CONTROL MARKER
SS	EXISTING SANITARY SEWER	$\oplus^{B-8}$	SOIL BORING LOCATION
SAN	SANITARY SEWER MAIN	~ <sup>PM</sup> /M	LIMITS OF DISTURBANCE
	EX. SEWER MANHOLE		EX. TREE
S	SEWER MANHOLE	69	EX. SHRUB
0	CLEANOUT	XXX	EX. FENCE
	EXISTING CLEANOUT	x	PROPOSED FENCE
NATURAL GAS			EX. TOPOGRAPHIC CONTOUR
G	EX. GAS LINE		PROPOSED TOPOGRAPHIC CONTOUR
G	GAS LINE	G G FG XXX	PROPOSED SPOT ELEVATION
	EX. GAS VALVE		EX. SIGN
	EX. GAS METER		SIGN

 $\bigcirc \diamond$  $\Box \phi$  $\Box \rightarrow \Box \rightarrow \Box$ Q EX. UTILITY POLE

(f)

\_\_\_\_\_OHP\_\_\_

(T)

(T)

\_\_\_\_OFO\_\_

——ОНС—

\_\_\_\_\_OHU\_\_\_

Ο

MISCELLANEOUS UTILITIES

# NEW HANOVER COUNTY, NORTH CAROLINA

## PRELIMINARY SITE DRAWINGS **REGULATORY REVIEW SET ISSUED 05-17-2016** REVISED 07-21-2016

EX. LIGHT POLE

- EX. LIGHT (WALL PACK)
- PROPOSED LIGHT POLE
- UTILITY POLE
- EX. OVERHEAD ELECTRIC LINE
- PROPOSED OVERHEAD ELECTRIC LINE
- EX. UNDERGROUND ELECTRIC LINE
- PROPOSED UNDERGROUND ELECTRIC LINE
- EX. TELEPHONE PEDESTAL
- EX. TELEPHONE MANHOLE
- EX. OVERHEAD TELEPHONE LINE
- OVERHEAD TELEPHONE LINE
- EX. OVERHEAD FIBER LINE
- OVERHEAD FIBER LINE
  - EX. CABLE PEDESTAL
  - **EX. OVERHEAD COMMUNICATIONS LINE**
- OVERHEAD COMMUNICATIONS LINE
  - EX. UNDERGROUND COMMUNICATIONS LINE
  - UNDERGROUND COMMUNICATIONS LINE
  - EX. OVERHEAD UTILITY LINE-MULTIPLE
  - PROPERTY MARKER/IRON PIPE
  - EX. SURVEY MONUMENT

@/-AT AC-ACRE AFG- ABOVE FINISHED GRADE APPR-APPROXIMATE ASSY-ASSEMBLY **B/C-BOTTOM OF CURB** BOC-BACK OF CURB B/L-BASE LINE BM-BOOK OF MAPS **BMP-BEST MANAGEMENT PRACTICE BW-BOTTOM OF WALL** CB-CATCH BASIN C&G-CURB AND GUTTER C/L-CENTERLINE CL-CLASS CMP-CORRUGATED METAL PIPE CO-CLEANOUT COMM-COMMUNICATIONS CONC-CONCRETE CONN-CONNECTION CY-CUBIC YARD DB-DEED BOOK DCV-DOUBLE CHECK VALVE DDCV-DOUBLE DECTECTOR CHECK VALV DI-DROP INLET DIP-DUCTILE IRON PIPE DR-DRIVEWAY

## Civil Engineer:

The Curry Engineering Group, PLLC NC License # P-0799 205 S. Fuquay Ave Fuquay-Varina, NC 27526 919.552.0849 (o) Contact: Zak Shipman, PE zak@curryeng.com

LF-LINEAR FOOT LP-LIGHT POLE LS-LIFT STATION Surveyor:

**CIVIL SERIES DRAWING ABBREVIATIONS:** 

DS-DOWNSPOUT

ELEC-ELECTRICAL

F/C-FACE OF CURB

FG-FINISHED GRADE

**FH-FIRE HYDRANT** 

F/L-FLOW LINE

GND-GROUND

IN-INCHES

INV-INVERT

L-LENGTH

**IP-IRON PIPE** 

GV-GATE VALVE

HORIZ-HORIZONTAL

**IPS-IRON PIPE SET** 

FT-FOOT

G-GAS

FM-FORCE MAIN

**EIP-EXISTING IRON PIPE** 

E/P-EDGE OF PAVEMENT

FFE-FINISHED FLOOR ELEVATION

HDPE-HIGH DENSITY POLYETHYLENE

EA-EACH

EX-EXISTING

MH-MANHOLE MIN-MINIMUM MJ-MECHANICAL JOINT NIC-NOT IN CONTRACT OHE-OVERHEAD ELECTRIC **OHP-OVERHEAD POWER** FDC-FIRE DEPARTMENT CONNECTION OHT-OVERHEAD TELEPHONE PB-PLAT BOOK PC-POINT OF CURVATURE PED-PEDESTRIAN PG-PAGE PH-PHASE **PI-POINT OF INTERSECTION** PIV-POST INDICATOR VALVE PKG-PARKING P/L-PROPERTY LINE PS-PUMP STATION PT-POINT OF TANGENCY PP-POWER POLE PVC-POLYVINYL CHLORIDE **PVMT-PAVEMENT** PWR-POWER R-RADIUS RD-ROOF DRAIN **RJ-RESTRAINTED JOINT** RPZ-REDUCED PRESSURE ZONE WSEL-WATER SEF

MECH-MECHANICAL

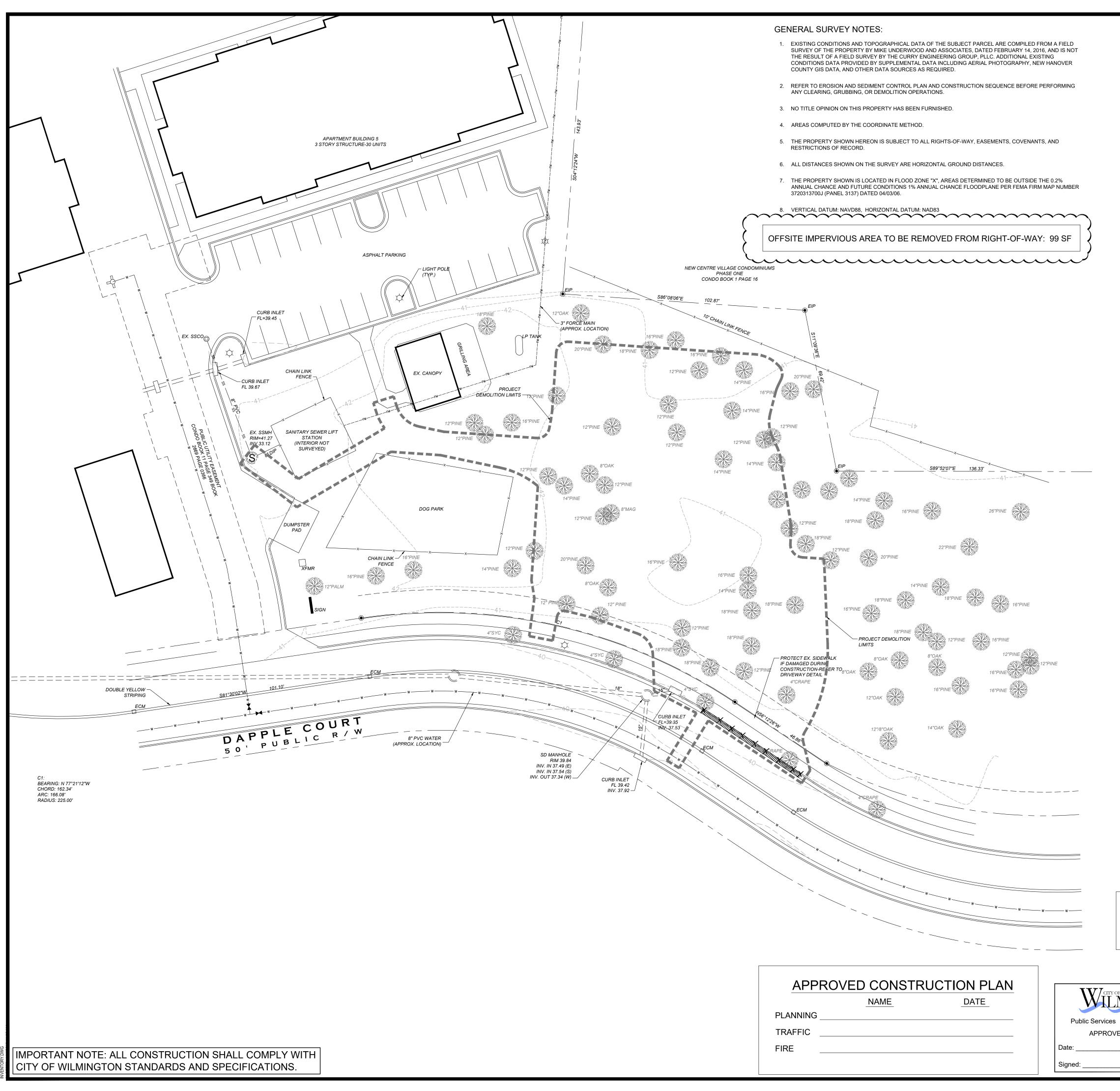
Mike Underwood and Associates 102 Cinema Drive Wilmington, NC 28403 910.815.0650 Contact: Mr. Mike Underwood, PLS mua@bizec.rr.com

## Hawthorne 806 Green Va Greensboro, 336.275.9511 Contact: Ms. bgreear@hrpl

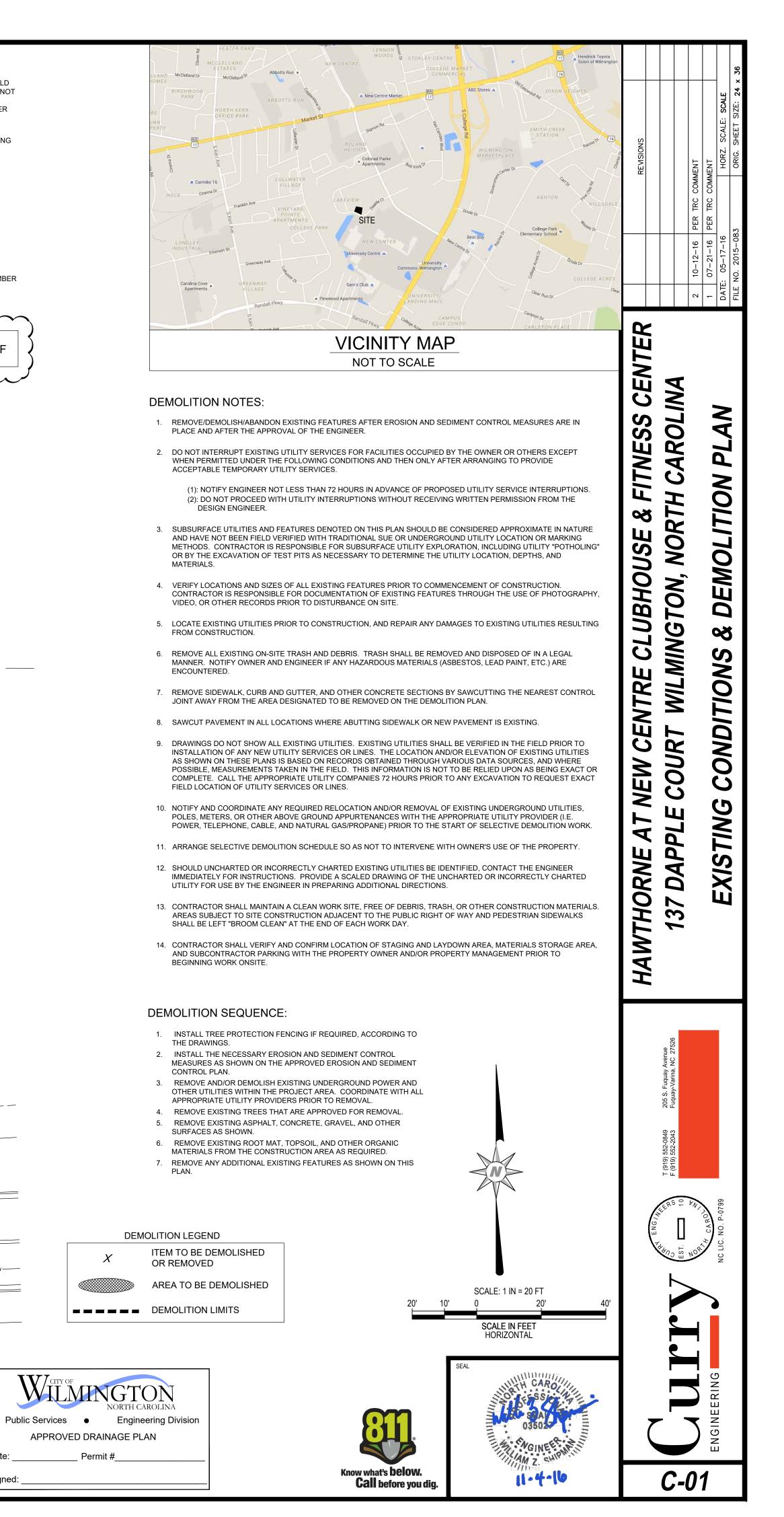
CIVIL DRAWING INDEX:	
COVER SHEET	C-00
EXISTING CONDITIONS SURVEY & DEMOLITION PLAN	C-01
TREE REMOVAL PLAN	C-02
PROPERTY OWNERSHIP PLAN	C-03
SITE LAYOUT PLAN	C-04
SITE UTILITY PLAN	C-05
SITE GRADING, & DRAINAGE PLAN	C-06
SITE HYDROLOGY PLAN	C-07
EROSION CONTROL PLAN	C-08
NOTES AND DETAILS	D-01
NOTES AND DETAILS	D-02
NOTES AND DETAILS	D-03
NOTES AND DETAILS	D-04
LANDSCAPING PLAN	L-01
TOTAL NUMBER OF DRAWINGS:	14

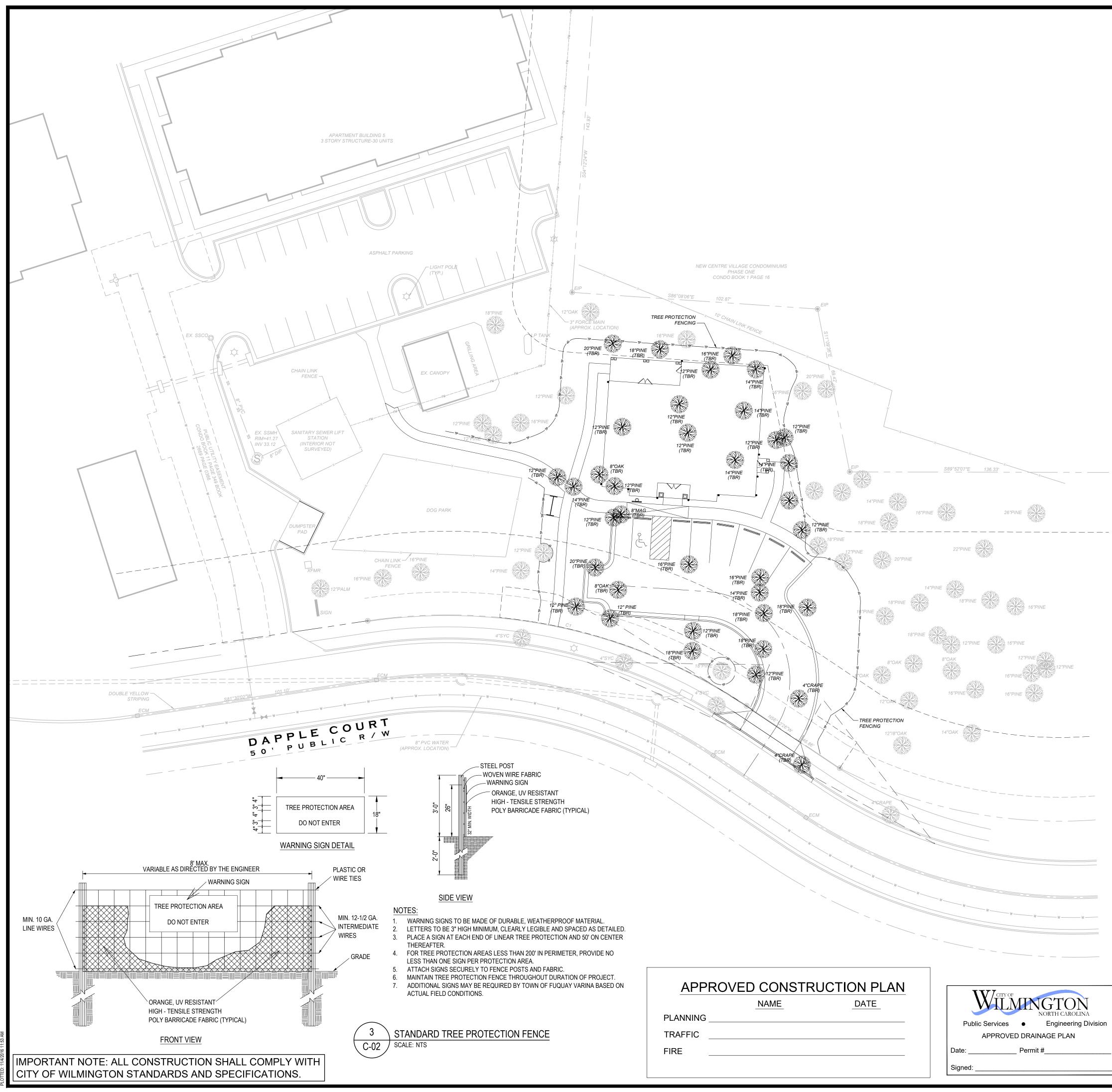
				E C
	APPROV	ED CONSTRUC	CTION PLAN	HAWTI 1
		NAME	DATE	
	PLANNING			_
	TRAFFIC			
R/W-RIGHT OF WAY REQD-REQUIRED RCP-REINFORCED CONCRETE PIPE SAN-SANITARY SEWER SDWK-SIDEWALK	FIRE			205 S. Fuquay Avenue Fuquay-Varina, NC 27526
SF-SQUARE FOOT SPT-SPOT GRADE SS-SANITARY SEWER STA-STATION STD-STANDARD STM-STORM STMH-STORM SEWER MANHOLE SWM-STORMWATER MANAGEMENT T-TELEPHONE		Public Services APPROV	F NORTH CAROLINA • Engineering Division ED DRAINAGE PLAN _ Permit #	T (919) 552-0849 205 S. F F (919) 552-2043 Fuquay-
T/C-TOP OF CURB TCM-TELEPHONE MANHOLE TS&V-TAPPING SLEEVE AND VALVE UGE-UNDERGROUND ELECTRIC UNK-UNKNOWN		Г		ENG/A
UP-UTILITY POLE VAR-VARIABLE VERT-VERTICAL W/-WITH WM-WATER METER W/O-WITHOUT		HORIZONTAL	UM INFORMATION: DATUM: NAD83 ATUM: NAVD88	NC LIC.
W/L-WATERLINE WSEL-WATER SERVICE ELEVATION WV-WATER VALVE <b>Developer:</b>	Archi	tect: <b>F</b>	SEAL	
Hawthorne Residential Part 806 Green Valley Road, Suite 311 Greensboro, NC 27408 336.275.9511 Contact: Ms. Beverly Greear	5711 Six Forks Raleigh, NC 270 919.846.8100 Contact: Mr. Ro	obert Clifford	CAROUND SPAN	
bgreear@hrpliving.com	rclifford@planv	vorx.com	11-4-10	C-00

REVISIONS		2 10-12-16 PER TRC COMMENT	1 07-21-16 PER TRC COMMENT	DATE: 05-17-16 HORZ. SCALE: SCALE	FILE NO. 2015-083 ORIG. SHEET SIZE: 24 × 36
HAWTHORNE AT NEW CENTRE CLUBHOUSE & FITNESS CENTER	137 DAPPLE COURT WILMINGTON, NORTH CAROLINA				
T ENG/Y	There     T <tht< th="">     T     T</tht<>			NC LIC. NO. P-0799	

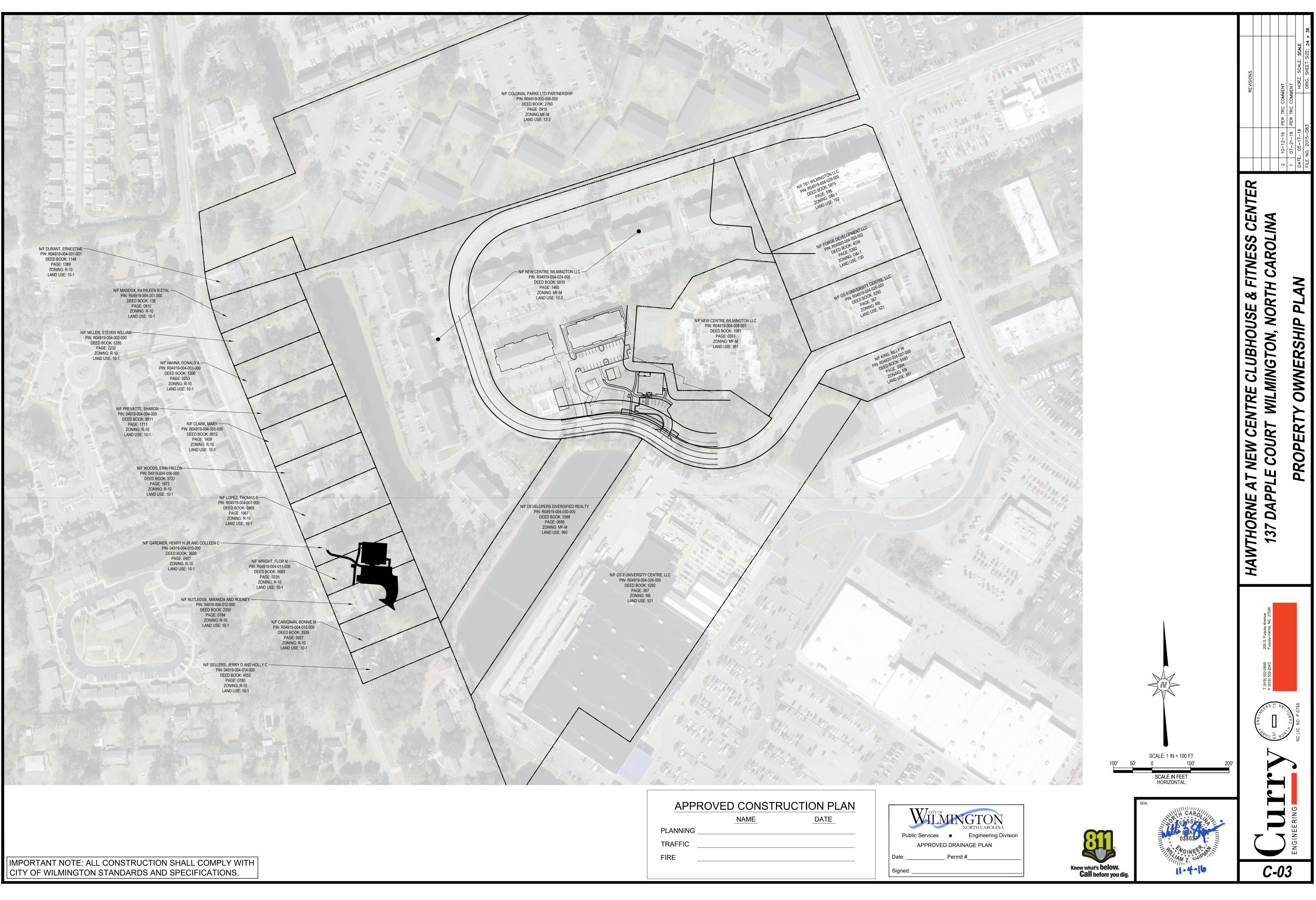


PROJECTS FOLDER-ZEBULON/2015/2015-083 NEW CENTRE FITNESS CENTER/PLANSISITE PLANISHEET FILESIC-01 EXISTING CONDITIONS SURVEY AND

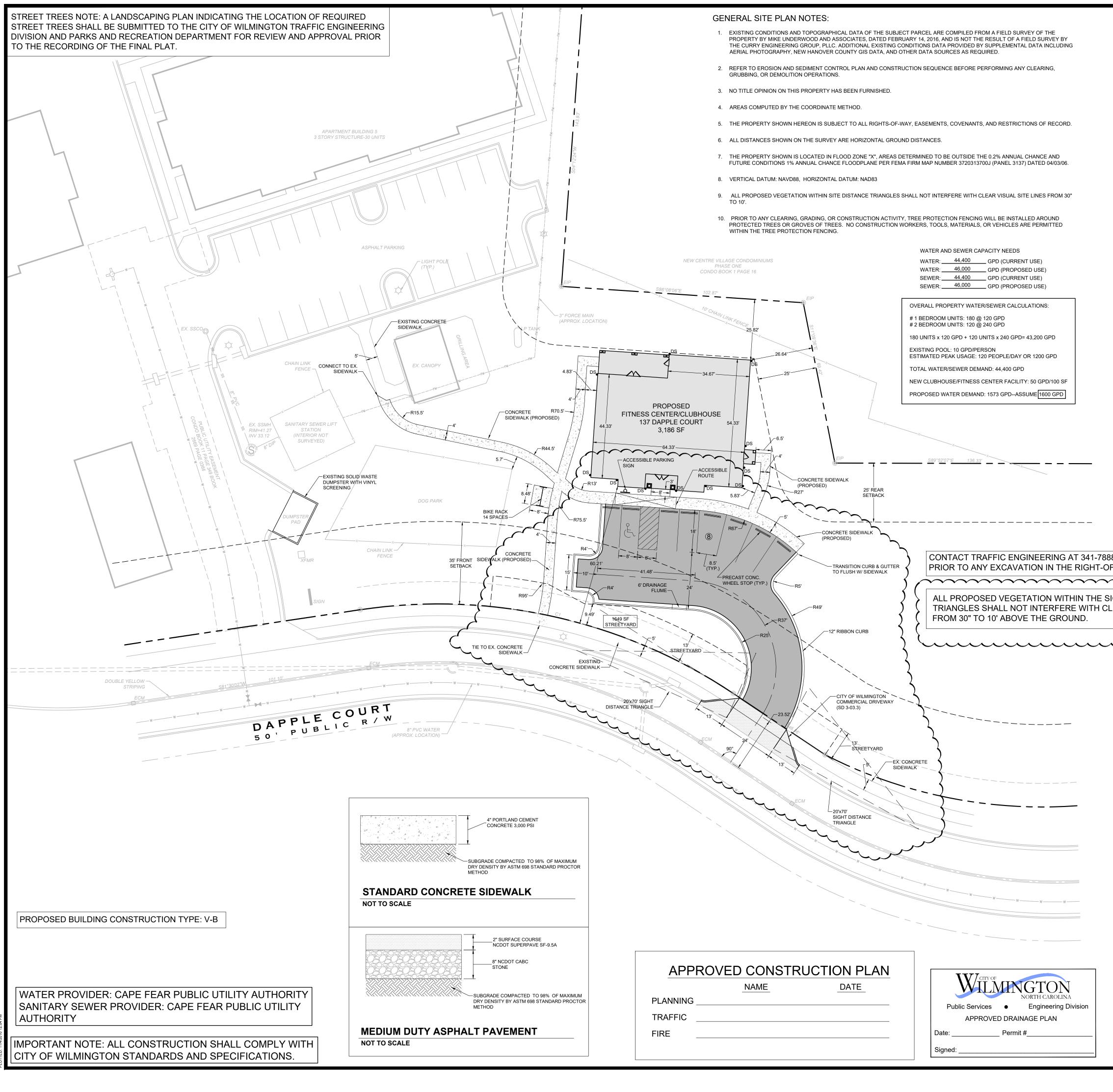




1. 2. 3. 4. 5. 6. 7.	NERAL SURVEY NOTES: EXISTING CONDITIONS AND TOPOGRAPHICAL DATA OF THE SUBJECT PARCEL ARE COMPILED FROM A FIELD SURVEY OF THE PROPERTY BY MIKE UNDERWOOD AND ASSOCIATES, DATED FEBRUARY 14, 2016, AND IS NOT THE RESULT OF A FIELD SURVEY BY THE CURRY ENGINEERING GROUP, PLC: ADDITIONAL EXISTING CONDITIONS DATA PROVIDED BY SUPPLEMENTAL DATA INCLUDING AERIAL PHOTOGRAPHY, NEW HANOVER COUNTY GIS DATA, AND OTHER DATA SOURCES AS REQUIRED. REFER TO EROSION AND SEDIMENT CONTROL PLAN AND CONSTRUCTION SEQUENCE BEFORE PERFORMING ANY CLEARING, GRUBBING, OR DEMOLITION OPERATIONS. NO TITLE OPINION ON THIS PROPERTY HAS BEEN FURNISHED. AREAS COMPUTED BY THE COORDINATE METHOD. THE PROPERTY SHOWN HEREON IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS, COVENANTS, AND RESTRICTIONS OF RECORD. ALL DISTANCES SHOWN ON THE SURVEY ARE HORIZONTAL GROUND DISTANCES. THE PROPERTY SHOWN IS LOCATED IN FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE CONDITIONS 1% ANNUAL CHANCE FLOODPLANE PER FEMA FIRM MAP NUMBER 3720313700J (PANEL 3137) DATED 04/03/06. VERTICAL DATUM: NAVD88, HORIZONTAL DATUM: NAD83	Revisions         Revisions           10-12-16         PER TRC COMMENT           1         07-21-16           DATE:         05-17-16           FILE NO.         2015-083
		HAWTHORNE AT NEW CENTRE CLUBHOUSE & FITNESS CENTER 137 DAPPLE COURT WILMINGTON, NORTH CAROLINA TREE REMOVAL PLAN
10'	SCALE: I IN = 20 FT SCALE: I IN = 20 FT SCALE: IN FT SC	Point       2055. Equary Avenue         Point       2055. Equary Avenue

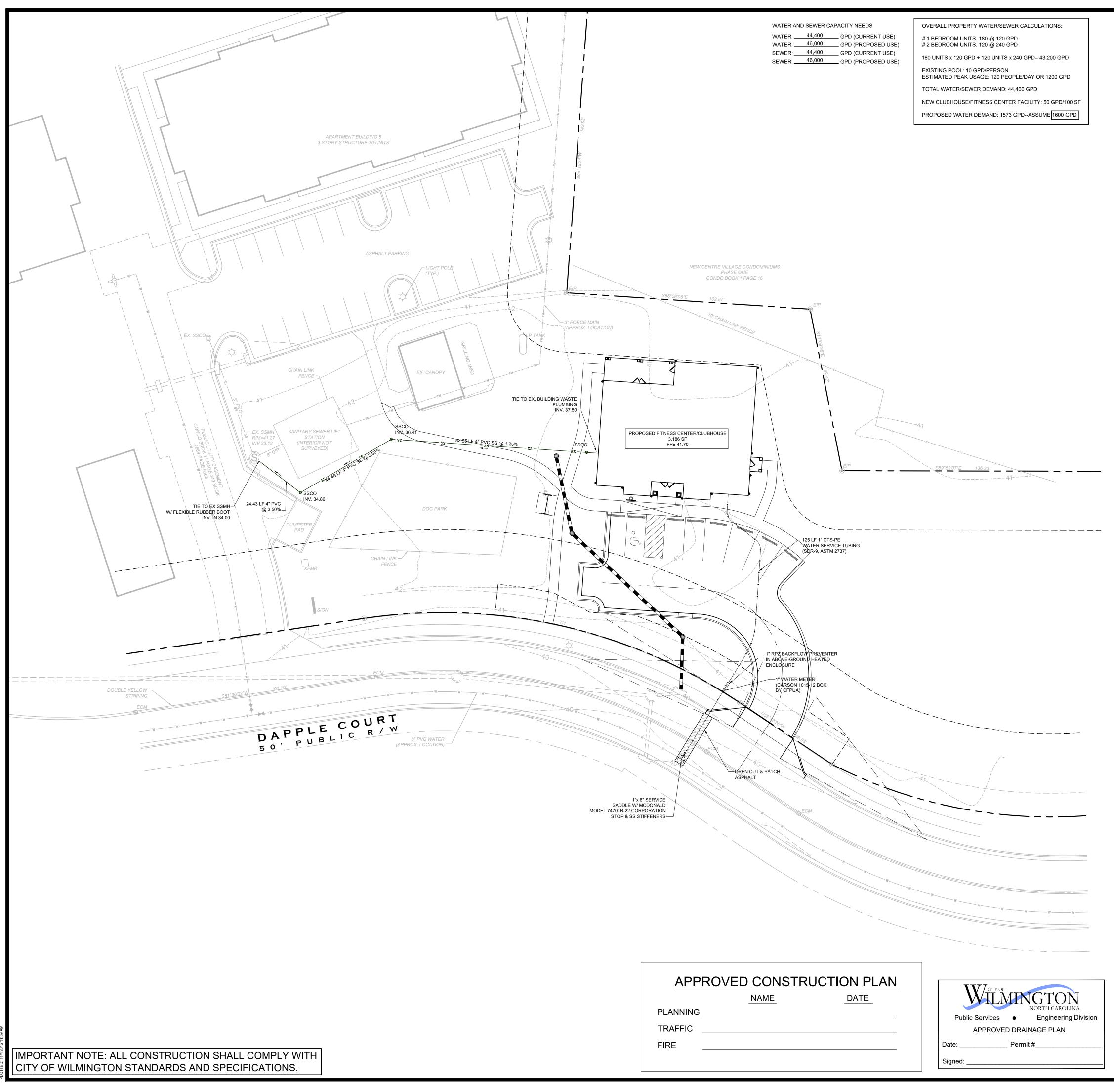


APP	ROVED CONSTRUC	CTION PLAN	
	NAME	DATE	
PLANNING			Public S
TRAFFIC			A
FIRE			Date:
			Signed:



PROJECTS FOLDER-ZEBULON/2015/2015-083 NEW CENTRE FITNESS CENTER/PLANS/SITE PLAN/SHEET FILES/C-03 SITE PLAN/DV

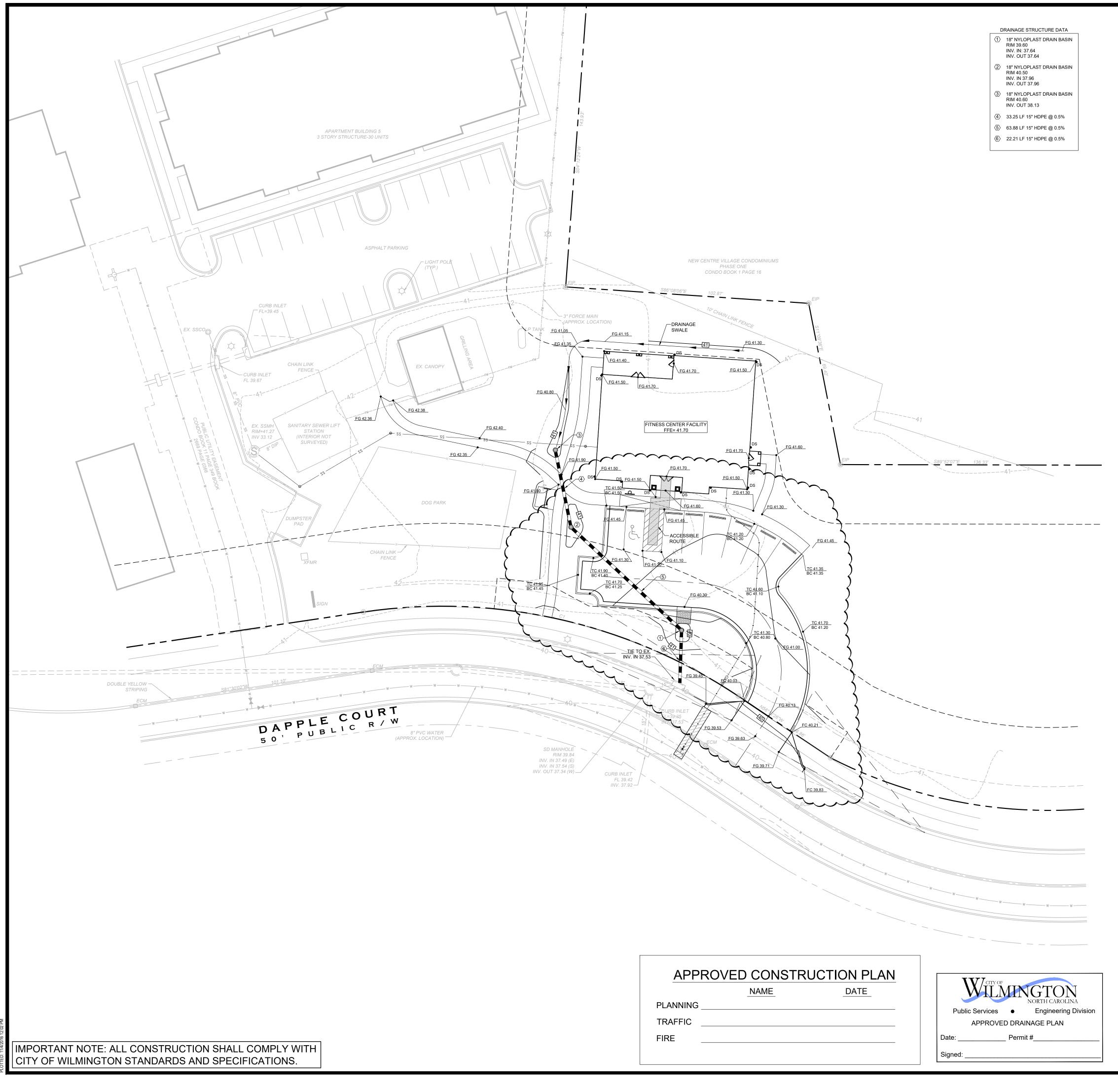
<ol> <li>TREES OR GROVES OF TREES. NO CONSTIPROTECTION FENCING.</li> <li>ANY TREES AND/OR AREAS DESIGNATED T THROUGHOUT CONSTRUCTION TO INSURE</li> <li>NO EQUIPMENT IS ALLOWED ON SITE UNTIL PROTECTIVE FENCING IS TO BE MAINTAINE ADEQUATE INSTRUCTION ON TREE PROTECTION ON TRAFFIC CONTROL ON UNIFORM TRAFFIC CONTROL</li> <li>TRAFFIC CONTROL DEVICES (INCLUDING S (MANUAL ON UNIFORM TRAFFIC CONTROL</li> <li>CONTACT TRAFFIC ENGINEERING AT 910-34 PLAN.</li> </ol>	RUCTION ACTIVITY, TREE PRO RUCTION WORKERS, TOOLS, M O BE PROTECTED MUST BE PR THAT NO CLEARING, GRADING L ALL TREE PROTECTION FENC ED THROUGHOUT THE DURATIO CTION METHODS. ITS-OF-WAY AND FOR DRIVEW/ ONTACT TRAFFIC ENGINEERING BE APPROVED PRIOR TO INST/ GIGNS AND PAVEMENT MARKING DEVICES) STANDARDS. 41-7888 TO ENSURE THAT ALL 388 FORTY-EIGHT (48) HOURS F	GS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THI PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.	PER TRC COMME
<ol> <li>STOP SIGNS AND STREET SIGNS TO REMAI</li> <li>TACTILE WARNING MATS WILL BE INSTALLE</li> <li>A UTILITY CUT PERMIT IS REQUIRED FOR E</li> <li>ANY BROKEN OR MISSING SIDEWALK PANE</li> <li>CONTACT TRAFFIC ENGINEERING AT 910-34</li> <li>WATER AND SEWER SERVICE SHALL MEET</li> <li>PROJECT SHALL COMPLY WITH CFPUA CRO</li> </ol>	NGS OFF THE RIGHT-OF-WAY A IN IN PLACE DURING CONSTRU ED ON ALL WHEELCHAIR RAMP EACH OPEN CUT OF A CITY STR ELS, DRIVEWAY PANELS, AND C 41-7888 TO DISCUSS STREET L CAPE FEAR PUBLIC UTILITY AN DSS CONNECTION CONTROL R	RE TO BE MAINTAINED BY THE PROPERTY OWNER. CTION. S. EET. CURBING WILL BE REPLACED.	2 10-12- 1 07-21- DATE: 05-17 FILE NO. 2015
<ol> <li>IF THE CONTRACTOR DESIRES CFPUA WAT A REDUCED PRESSURE ZONE (RPZ) BACKF</li> <li>ANY IRRIGATION SYSTEM SUPPLIED BY CFI CALL 910-343-3910 FOR INFORMATION.</li> <li>ANY IRRIGATION SYSTEMS SHALL BE EQUID</li> <li>ANY BACKFLOW PREVENTION DEVICES REI ASSE.</li> <li>CONTRACTOR TO FIELD VERIFY EXISTING V ENGINEER TO BE NOTIFIED OF ANY CONFLI</li> <li>CONTRACTOR SHALL MAINTAIN ALL-WEATH</li> <li>UNDERGROUND FIRE LINES MUST BE PERM RIGHT-OF-WAY TO THE BUILDING. CONTAC</li> <li>NO OBSTRUCTIONS ARE PERMITTED IN THE TRIANGULAR SITE DISTANCE.</li> </ol>	TER FOR CONSTRUCTION, HE S FLOW PREVENTION DEVICE ON PUA WATER SHALL COMPLY W PPED WITH A RAIN AND FREEZ QUIRED BY CFPUA WILL NEED WATER AND SEWER SERVICE I ICTS. HER ACCESS FOR EMERGENCY MITTED AND INSPECTED BY TH CT THE WILMINGTON FIRE DEP, E SPACE BETWEEN THIRTY (30	HALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE THE DEVELOPERS SIDE OF THE WATER METER BOX. ITH THE CFPUA CROSS CONNECTION CONTROL REGULATIONS.	FITNESS CENTER H CAROLINA
		SITE DATA TABLE	R T R T
	PROJECT NAME: PROPERTY OWNER: PHYSICAL ADDRESS: PROPERTY PIN: PROJECT AREA: PROPERTY AREA: ZONING DISTRICT: OVERLAY DISTRICT: BUILDING SETBACKS: REQUIRED MIL FRONT: SIDE: REAR: BUILDING SIZE: BUILDING LOT COVERAGE:	HAWTHORNE AT NEW CENTRE FITNESS CENTER ADDITION NEW CENTRE WILMINGTON, LLC 137 DAPPLE COURT R04919-004-024-000 0.35 ACRES 15.39 ACRES MF-M N/A N.: PROPOSED: 35' FRONT: 60.21' 20' SIDE: 26.61' 25' REAR: 25.2' 3,186 SF (EXCLUDES COVERED PORCH) EX. RESIDENTIAL BUILDINGS: 101,295 SF (FROM RECORDS) PROPOSED FITNESS CENTER: 3,186 SF TOTAL BUILDING AREA: 103,309 SF	V CENTRE CLUBHOUSE URT WILMINGTON, NOF SITE PLAN
88 FORTY-EIGHT HOURS DF-WAY.	BUILDING HEIGHT: NUMBER OF STORIES: IMPERVIOUS AREAS:	BLC %:= 104,481 SF/ (15.39 AC.*43560)= 15.59% 19'-5" 9,695 SF (ON-SITE NEW IMPERVIOUS) 295 SF (OFF-SITE NEW IMPERVIOUS) 9,990 (TOTAL NEW IMPERVIOUS)	AT NEW PLE COL
SIGHT DISTANCE CLEAR VISUAL SIGHT LINES	EXISTING BUILDINGS: EXISTING ASPHALT & CURE EXISTING CONCRETE: EXISTING, TOTAL SITE:	42,032 SFPROPOSED CONCRETE:43,512 SFPROPOSED OTHER:67 SFPROPOSED OFFSITE:295 SF406,563 SFPROPOSED, TOTAL SITE:416,553 SF	HAWTHORNE 137 DAP
my	CAMA LAND USE CLASSIFIC	······	
	#0	PARKING CALCULATIONS: ESIDENTIAL UNIT COUNT: DF 1 BEDROOM UNITS: 180 DF 2 BEDROOM UNITS: 120 ROPOSED FITNESS CENTER ADDITION: 3,186 SF	HAW
	1 E 2 E FIT REQUIRED 1 E 2 E FIT TC PROVIDED	BEDROOM RESIDENTIAL:270 SPACESBEDROOM RESIDENTIAL:240 SPACESTNESS CENTER:8 SPACES MINIMUM 16 SPACES MAXIMUMDTAL MINIMUM REQUIRED:516 SPACES	T (919) 552-0849 205 S. Fuquay Avenue F (919) 552-2043 Fuquay-Varina, NC 27526
	EX BU PR CE TC NE NE NE NE NE	FINAL PARKING:         PARKING SPACES-MAIN         ILDINGS TO REMAIN:       549         OPOSED SPACES IN FITNESS         NTER LOT:       8         OTAL PARKING SPACES:       557         W ACCESSIBLE PARKING REQ'D:       1         W ACCESSIBLE PARKING PROVIDED:       1         ISTING BICYCLE PARKING PROVIDED:       8 SPACES (4 RACKS)         OTAL BICYCLE PARKING REQ'D:       12 SPACES (1 RACK)         W BICYCLE PARKING PROVIDED:       14 SPACES (1 RACK)	NC LIC. NO. P-0799
SCALE: 1 IN = 20 FT 20' 10' 0 20'	40'	SEAL	
SCALE IN FEET HORIZONTAL		Know what's <b>below</b> . Call before you dig.	<i>C-04</i>
		-	



ChPROJECTS FOLDER-ZEBULON/2015/2015-083 NEW CENTRE FITNESS CENTER/PLANS/SITE PLAN/SHEET FILES/C-05 UTILITY PLAN.DW

	GENERAL NOTES:				
<form></form>	PROPERTY BY MIKE UNDERWOOD AND ASSOCIA BY THE CURRY ENGINEERING GROUP, PLLC. AD	ATES, DATED FEBRUARY 14, 2016, AND I DITIONAL EXISTING CONDITIONS DATA	S NOT THE RESULT OF A FIELD SURVEY PROVIDED BY SUPPLEMENTAL DATA		
<form></form>	SEWER LINES. IN THE EVENT OF A CONFLICT B	ETWEEN ANY OF THESE STANDARDS, S			
	3. COORDINATE WITH ALL APPRPRIATE UTILITY PF AND SEWER INSTALLATION SHALL BE IN ACCOR	ROVIDERS FOR INSTALLATION REQUIRE		REVISIONS	HENT HENT
<form></form>	4. ALL NECESSARY INSPECTIONS AND/OR CERTIFI		BY CODES OR UTILITY SERVICE		
<form></form>			DANY EXISTING LINE.		
<form></form>		R REQUIREMENTS ON ALL WATER AND	SEWER LINES AT ALL TIMES DURING		-12-16 -21-16
<form></form>	7. UNDERGROUND UTILITY LINES SHALL BE INSTA	LLED, INSPECTED, AND APPROVED PRIC	OR TO BACKFILLING.		
<form></form>		N SHOULD BE CONSIDERED APPROXIM	ATE IN NATURE AND FIELD VERIFIED		
SCALE: 1 IN = 20 FT         20'       40'	<ul> <li>WATER AN</li> <li>A. SEWERS SHALL BE LAID AT LEAST 10 FEET HORIZO, DISTANCE SHALL BE MEASURED EDGE TO EDGE. SEPARATION, THE APPROPRIATE REVIEWING AGE SUPPORTED BY DATA FROM THE DESIGN ENGINEE TO A WATER MAIN, PROVIDED THAT THE WATER M LOCATED ON ONE SIDE OF THE SEWER AND AT AN INCHES ABOVE THE TOP OF THE SEWER AND AT AN INCHES ABOVE THE TO OBTAIN PROPER HORIZON; SEWER IS OVER THE WATER MAIN, BOTH WATER M WITH PUBLIC WATER SUPPLY DESIGN STANDARDS BEFORE BACKFILLING.</li> <li>C. A 24 INCH VERTICAL SEPARATION SHALL BE PROV FERROUS PIPE SPECIFIED.</li> <li>CROSSINGS:</li> <li>A. SEWERS CROSSING WATER MAINS SHALL BE LAID THE OUTSIDE OF THE WATER MAIN AND THE OUTS THE SEWER JOINTS WILL BE EQUIDISTANT AND AS</li> <li>B. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZON THE SEWER SHALL BE DESIGNED AND CONST TO ASSURE WATERTIGHTNESS PRIOR TO BACK CONSINGS MUST BE SPECIFIED</li> <li>I. THE SEWER SHALL BE DESIGNED AND CONST TO ASSURE WATERTIGHTNESS PRIOR TO BACK</li> <li>B. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZON SUBJECTION BOTH SIDES OF THE CROSSING, MARKED DESIGNED AND THE SEWER LINE SECTION BOTH SIDES OF THE CROSSING, MARKED DETENDING METHODS MUST BE SPECIFIED</li> <li>I. THE SEWER SHALL BE DESIGNED AND CONST TO ASSURE WATERTIGHTNESS PRIOR TO BACK</li> <li>B. WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZON TO ASSURE WATERTIGHTNESS PRIOR TO BACK</li> <li>MITHER THE WATER MAIN OR THE SEWER LINE SECTION BOTH SIDES OF THE CROSSING, MARKED DE OF MATERIALS APPROVED BY THE REEDUNG</li> </ul>	ND STORM SEWERS: DNTALLY FROM ANY EXISTING OR PROF IN CASES WHERE IT IS NOT PRACTICAL NCY (DEH OR DENR) MAY ALLOW INST/ IN IS IN A SEPERATE TRENCH OR ON A IN ELEVATION SO THAT THE BOTTOM OF TAL AND VERTICAL SEPARATION AS DES MAIN AND SEWER MUST BE CONSTRUCT S AND BE PRESSURE TESTED TO 150 PS VIDED BETWEEN STORM SEWER AND SA TO PROVIDE A MINIMUM VERTICAL DIS SIDE OF THE SEWER. THE CROSSIN S FAR AS POSSIBLE FROM THE WATER N ZONTAL AND VERTICAL SEPARATION AS RUCTED OF FERROUS PIPE AND SHALL CKFILLING, OR E MAY BE ENCASED IN A WATERTIGHT OF ASURED PERPENDICULAR TO THE WATER LATORY AGENCY OF USE IN WATER MAIN ARY SEWER SERVICE LATERALS TO BE DIAMETERS, DEPTHS, AND MATERIALS METHODS AND SHOULD BE FIELD VERIF	POSED WATER MAIN. THE TO MAINTAIN A 10 FOOT STION ON A CASE BY CASE BASIS, IF ALLATION OF THE SEWER CLOSER AN UNDISTURBED EARTH SHELF THE WATER MAIN IS AT LEAST 18 SCRIBED ABOVE OR ANYTIME THE TED OF FERROUS PIPE COMPLYING STO ASSURE WATERTIGHTNESS INITARY SEWER LINES OR TANCE OF 18 INCHES BETWEEN IG SHALL BE ARRANGED SO THAT ANIN JOINTS. S STIPULATED ABOVE, ONE OF THE BE PRESSURE TESTED AT 150 PSI CARRIER PIPE WHICH EXTENDS 10 ER MAIN. THE CARRIER PIPE SHALL IN CONSTRUCTION. PRIVATELY	E AT NEW CENTRE CLUBHOUSE & FITNESS	PLE COURT WILMINGION, NORTH CA
SCALE IN FEET Know what's below.			<ul> <li>UTILITY LINE</li> <li>TELEPHONE</li> <li>➡ FIRE HYDRANT ASSEMBLY (FHA)</li> <li>➡ GATE VALVE (GV)</li> <li>➡ TEE</li> <li>THRUST (REACTION) BLOCKING</li> <li>➡ BLOW OFF VALVE</li> <li>■ WATER METER</li> <li>■ CLEANOUT</li> <li>● SANITARY MANHOLE</li> <li>■ FLARED END SECTION</li> <li>■ CATCH BASIN</li> <li>■ YARD INLET</li> <li>WATER LINE</li> <li>■ STORM DRAIN LINE</li> </ul>	ENG/4 14 14 1000 F 0000 552-0849	EERING FOR THE NO P-0780 F (919) 552-2043
SCALE IN FEET Call before you dig.			HAM Z. SHILL		

20' 10'



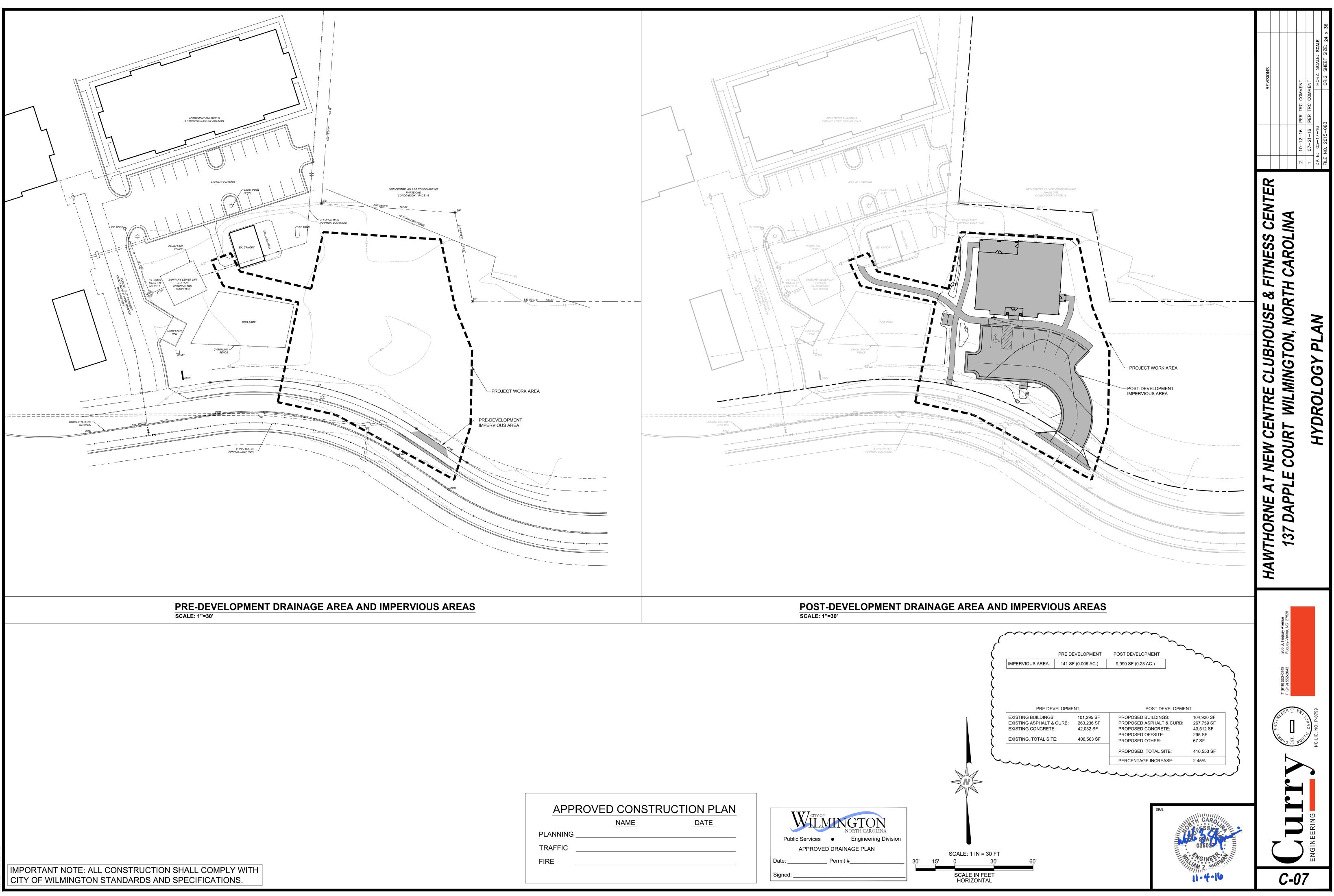
SCALE: 1 IN = 20 FT 20' 10' 0 20' 40' 8010 8010 8010 8010 8010 8010 8010 80
SCALE IN FEET HORIZONTAL Know what's below. Call before you dig.

### GENERAL NOTES: 1. EXISTING CONDITIONS AND TOPOGRAPHICAL DATA OF THE SUBJECT PARCEL ARE COMPILED FROM A FIELD SURVEY OF THE PROPERTY BY MIKE UNDERWOOD AND ASSOCIATES, DATED FEBRUARY 14, 2016, AND IS NOT THE RESULT OF A FIELD SURVEY BY THE CURRY ENGINEERING GROUP, PLLC. ADDITIONAL EXISTING CONDITIONS DATA PROVIDED BY SUPPLEMENTAL DATA INCLUDING AERIAL PHOTOGRAPHY, NEW HANOVER COUNTY GIS DATA, AND OTHER DATA SOURCES AS REQUIRED.

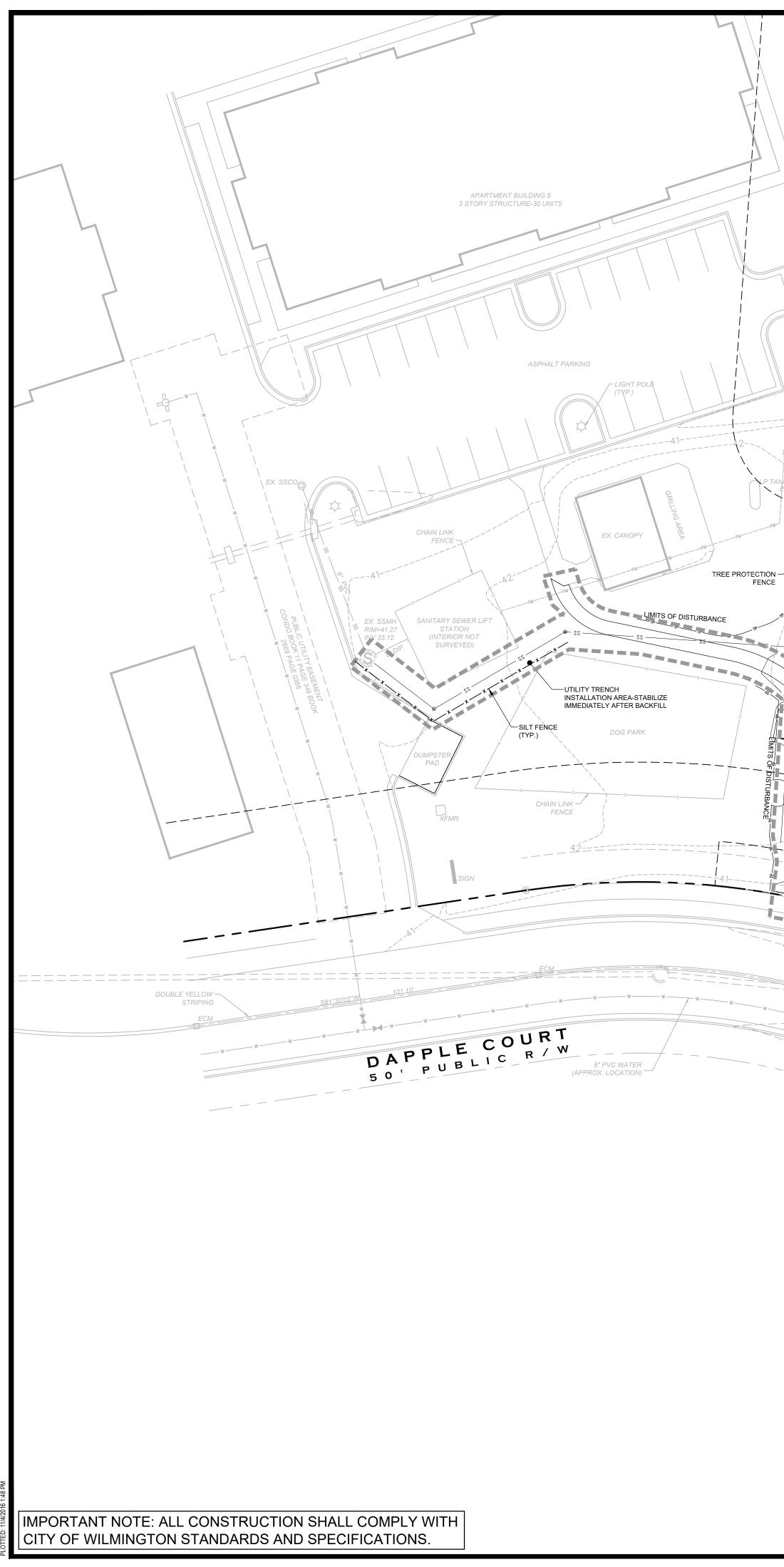
- COMPLY WITH LOCAL SPECIFICATIONS WITH REGARDS TO MATERIALS, INSTALLATION, AND TESTING OF THE WATER AND SEWER LINES. IN THE EVENT OF A CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS, OR PLANS, THE MOST STRINGENT SHALL GOVERN UNLESS OTHERWISE NOTED ON THE PLANS.
- 3. COORDINATE WITH ALL APPROPRIATE UTILITY PROVIDERS FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS. WATER AND SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH CAPE FEAR PUBLIC UTILITY AUTHRORITY (CFPUA) STANDARDS AND SPECIFICATIONS.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS AND/OR TESTING REQUIRED BY CODES OR UTILITY SERVICE PROVIDERS SHALL BE PERFORMED PRIOR TO THE FINAL CONNECTION OF SERVICE.
- 5. CONTRACTOR SHALL NOTIFY CFPUA INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- 6. CONTRACTOR SHALL MAINTAIN MINIMUM COVER REQUIREMENTS ON ALL WATER AND SEWER LINES AT ALL TIMES DURING CONSTRUCTION.

PER

- 7. UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING.
- 8. EXISTING UNDERGROUND UTILITY LINES SHOWN SHOULD BE CONSIDERED APPROXIMATE IN NATURE AND FIELD VERIFIED PRIOR TO CONSTRUCTION ACTIVITY.



WILL CITY OF	MI	NGTON NORTH CAROLINA
Public Services	٠	Engineering Division
APPROVE	D DRA	AINAGE PLAN
Date:	_ Pern	nit #



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LATITUDE: 34°14'18"N LONGITUDE: 77°52'45"W

-----41----

NPDES STABILIZATION TABLE				
STABILIZATION	TIMEFRAME EXCEPTIONS			
7 DAYS	NONE			
7 DAYS	NONE			
7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED			
14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH			
14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES			
	STABILIZATION 7 DAYS 7 DAYS 7 DAYS 14 DAYS			

NPDES PERMIT NCG 010000 PLAN NOTES:

NEW CENTRE VILLAGE CONDOMINIUMS

PHASE ONE CONDO BOOK 1 PAGE 16

- 3" FORCE MAIN

-SILT FENCE

TOTAL DISTURBED AREA:

17,303 SF (0.397 AC.)

-SILT FENCE

GRAVEL CONSTRUCTION

HARDWARE CLOTH

& GRAVEL INLET

PROTECTION

GUTTER BUDDY -INLET PROTECTION

1. ACCORDING TO NPDES NCG 010000 EFFECTIVE AUGUST 3, 2011: THE PLANS SHALL CONFORM TO GROUND STABILIZATION REQUIREMENTS OF SECTION II.B.2 GROUND STABILIZATION.

2. ACCORDING TO NPDES NCG 010000 EFFECTIVE AUGUST 3, 2011: THE SEDIMENT BASINS SHALL CONFORM TO SURFACE WITHDRAWAL REQUIREMENTS OF SECTION II.B.4 SEDIMENT BASINS.

LT FENCE



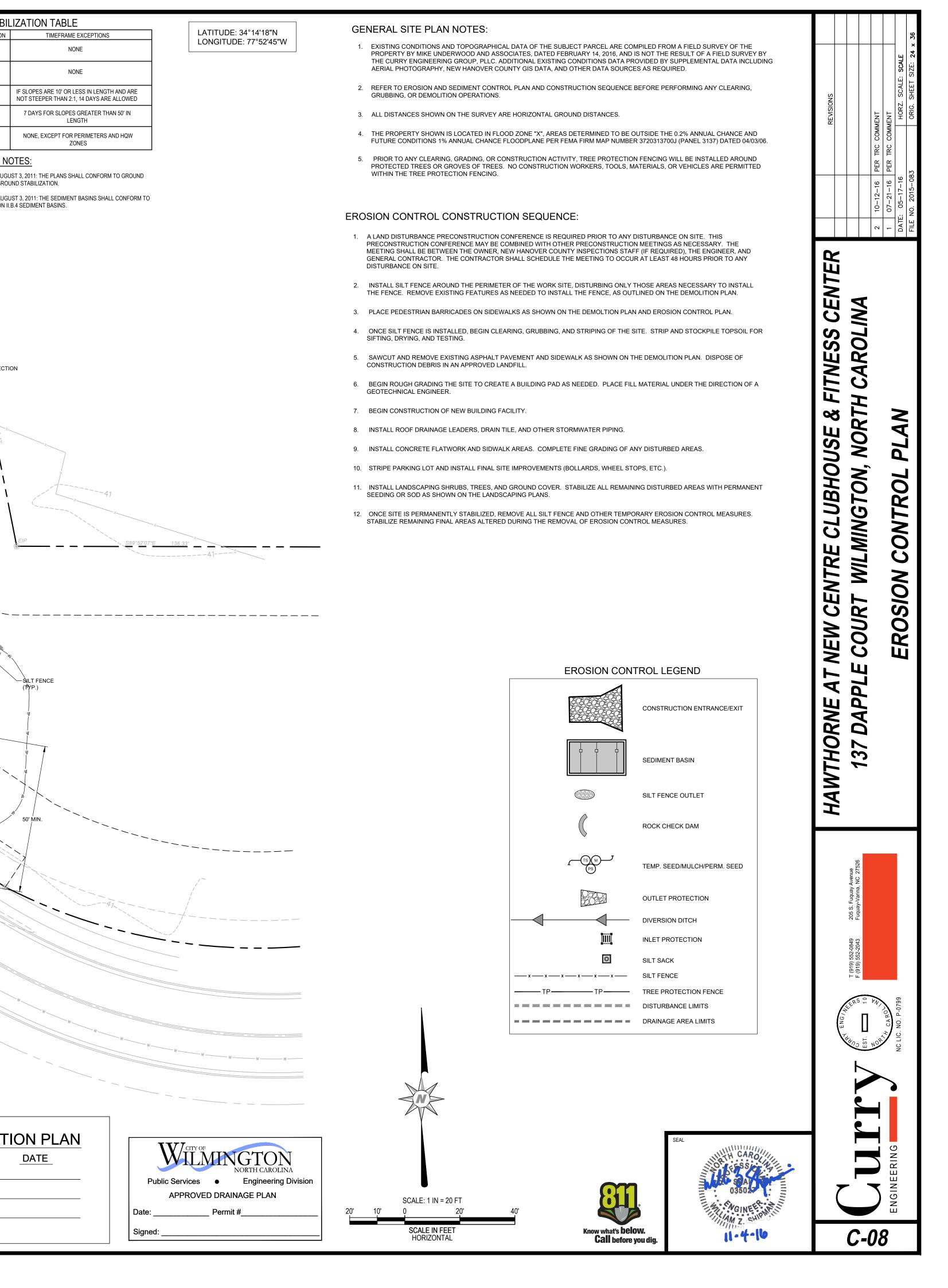
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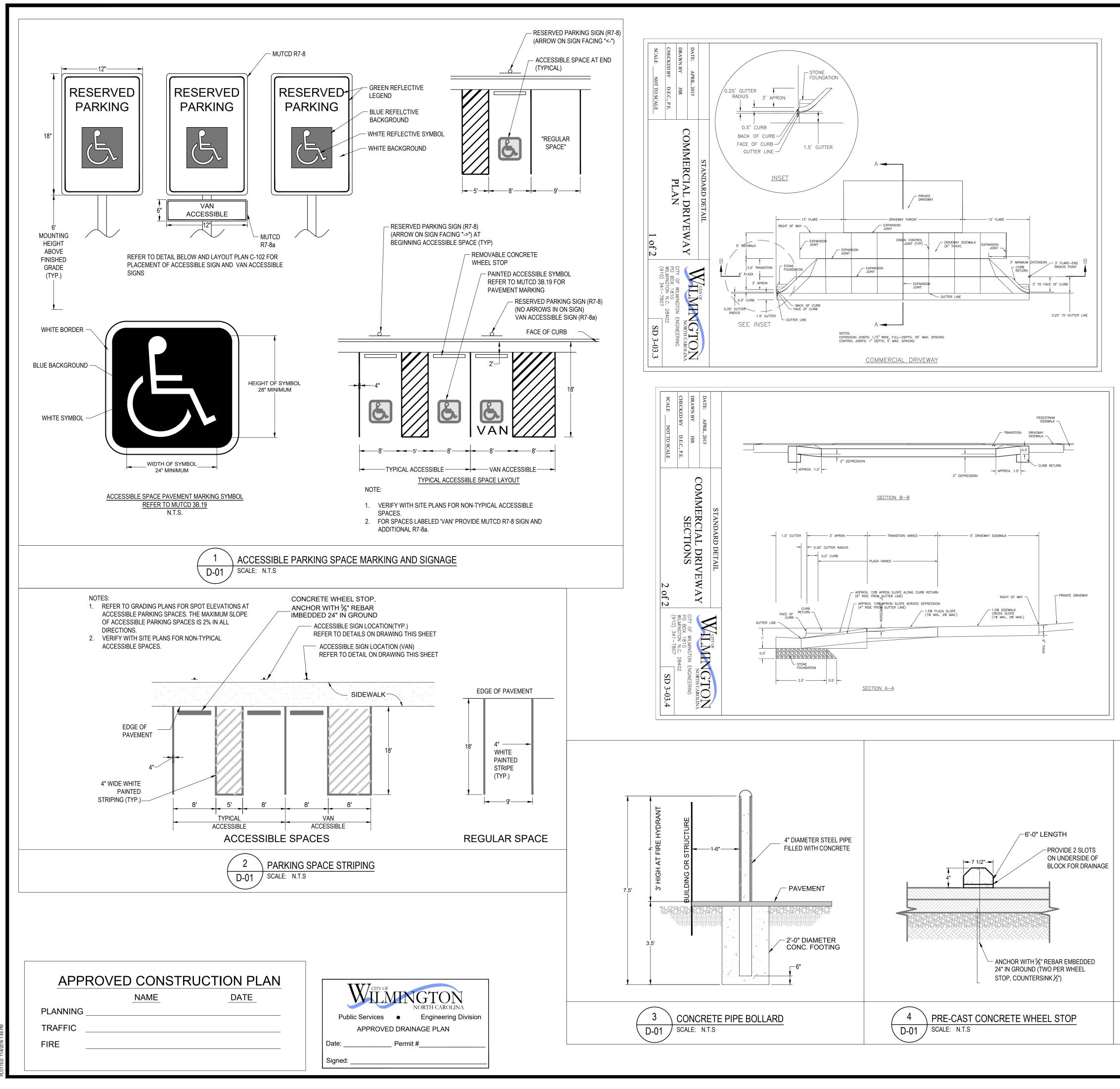
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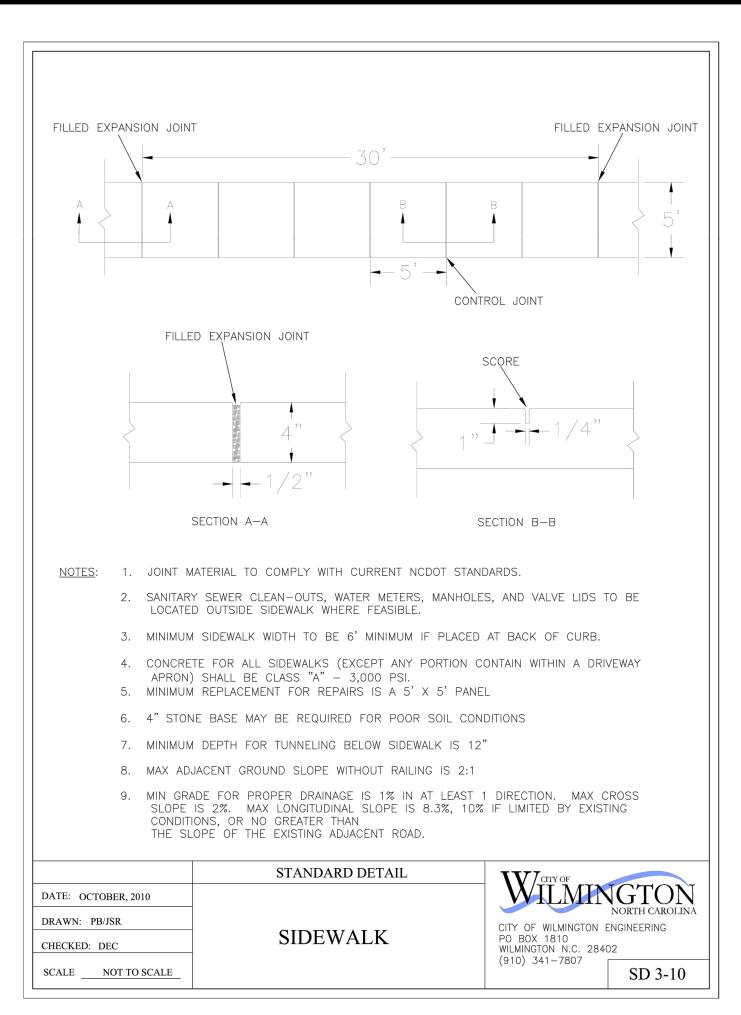
PLANNING TRAFFIC

WILMINGTON APPROVED DRAINAGE PLAN Permit # Signed:

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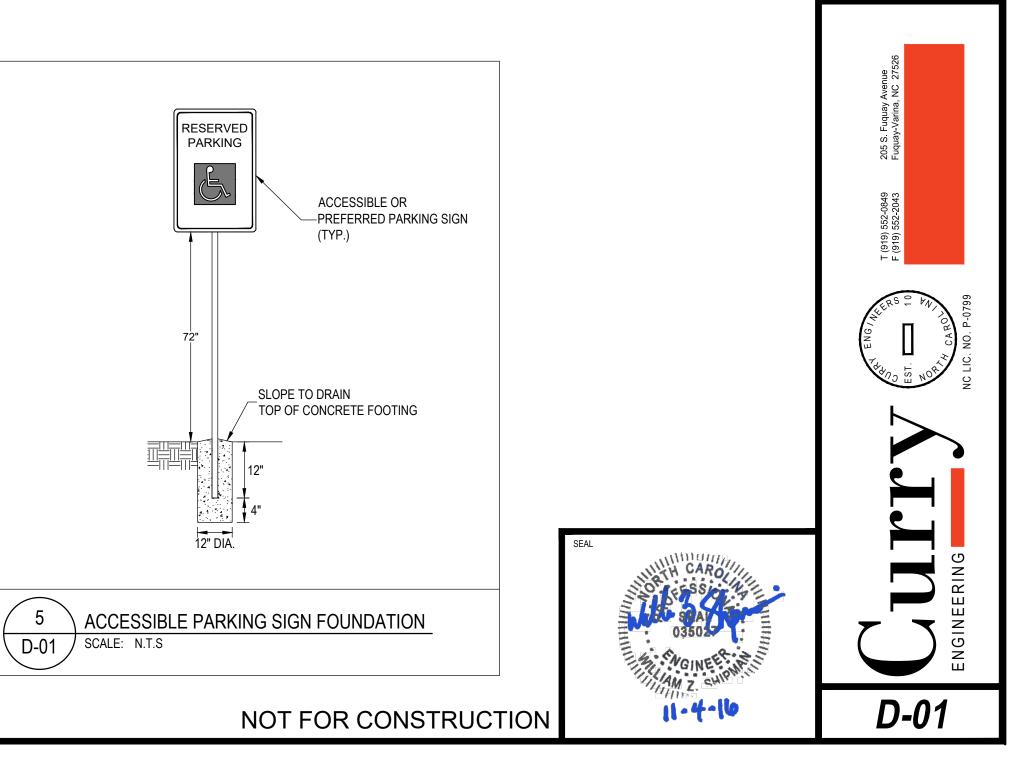
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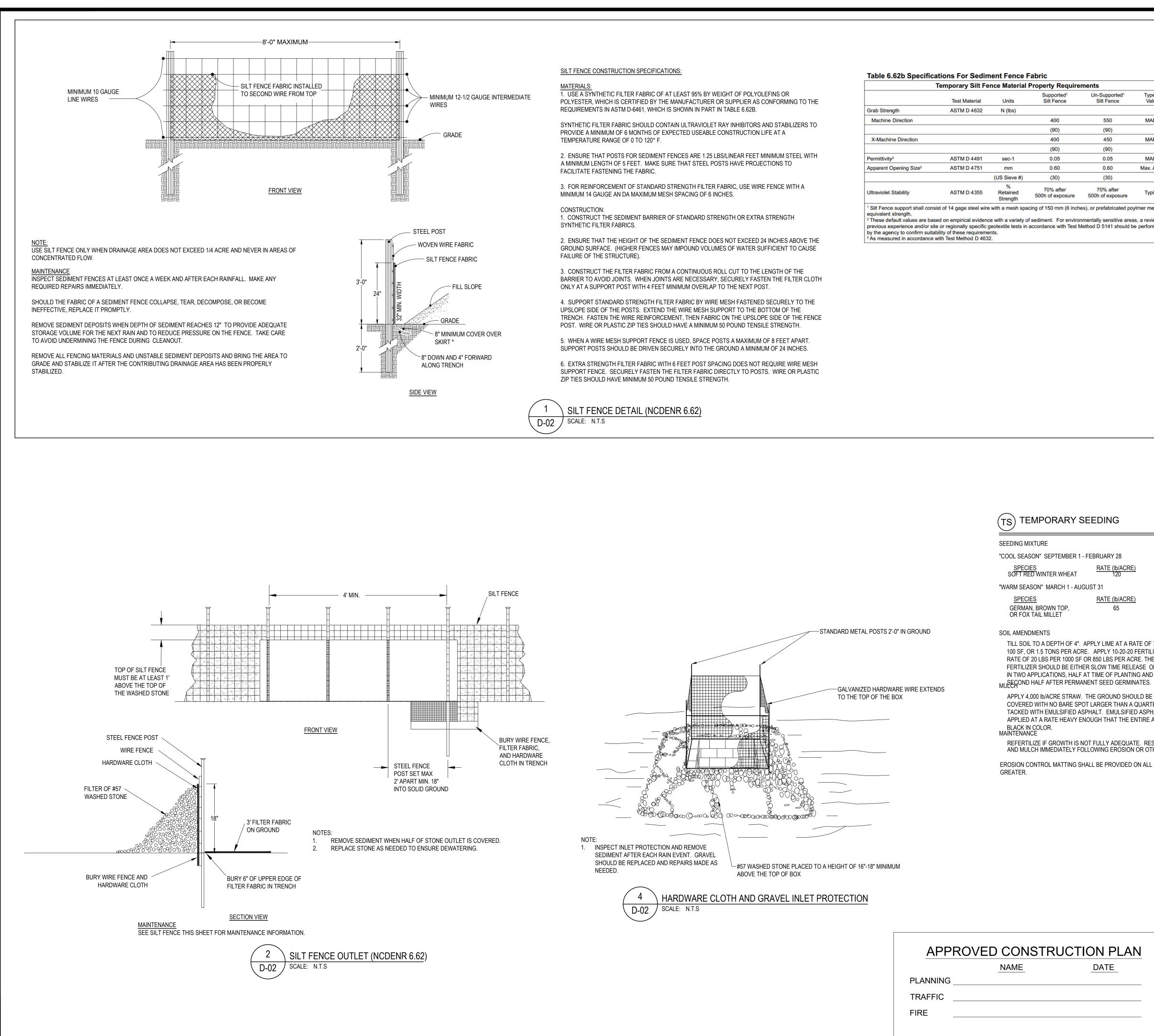
**CLUBHOUSE** 

CENTRE

NEW

4







	Test Material	Units	Supported <sup>1</sup> Silt Fence
Grab Strength	ASTM D 4632	N (lbs)	
Machine Direction			400
			(90)
X-Machine Direction			400
			(90)
Permittivity <sup>2</sup>	ASTM D 4491	sec-1	0.05
Apparent Opening Size <sup>2</sup>	ASTM D 4751	mm	0.60
		(US Sieve #)	(30)
Ultraviolet Stability	ASTM D 4355	% Retained Strength	70% after 500h of exposure

Un-Supported¹       Type of Value         5ilt Fence       Value         550       MARV         (90)       MARV         (90)       MARV         (90)       MARV         00)       MARV         0.05       MARV         0.60       Max. ARV <sup>3</sup> (30)       Typical         or prefabricated poyImer mesh of ntally sensitive areas, a review of od D 5141 should be performed	nts	
(90) 450 MARV (90) 0.05 MARV 0.60 Max. ARV <sup>3</sup> (30) 70% after i00h of exposure Typical or prefabricated poylmer mesh of ntally sensitive areas, a review of	Un-Supported <sup>1</sup> Silt Fence	Type of Value
450     MARV       (90)     0.05       0.05     MARV       0.60     Max. ARV <sup>3</sup> (30)     70% after       70% after     Typical       or prefabricated poylmer mesh of       ntally sensitive areas, a review of	550	MARV
(90) 0.05 MARV 0.60 Max. ARV <sup>3</sup> (30) 70% after 500h of exposure Typical or prefabricated poylmer mesh of htally sensitive areas, a review of	(90)	
0.05     MARV       0.60     Max. ARV <sup>3</sup> (30)     (30)       70% after 00h of exposure     Typical       pr prefabricated poylmer mesh of ntally sensitive areas, a review of	450	MARV
0.60 Max. ARV <sup>3</sup> (30) 70% after 00h of exposure Typical or prefabricated poylmer mesh of ntally sensitive areas, a review of	(90)	
(30) 70% after Typical 00h of exposure Typical or prefabricated poylmer mesh of ntally sensitive areas, a review of	0.05	MARV
70% after Typical i00h of exposure Typical or prefabricated poylmer mesh of ntally sensitive areas, a review of	0.60	Max. ARV <sup>3</sup>
or prefabricated poylmer mesh of ntally sensitive areas, a review of	(30)	
ntally sensitive areas, a review of		Typical
	Da D 5141 should b	e performed
	Da D 5141 s <mark>nould b</mark>	
	od D 5141 s <mark>nould b</mark>	
	od D 5141 snould b	
	D 5141 Should b	

RATE (Ib/ACRE) 120

RATE (Ib/ACRE)

65

TILL SOIL TO A DEPTH OF 4". APPLY LIME AT A RATE OF 70 LB PER 100 SF, OR 1.5 TONS PER ACRE. APPLY 10-20-20 FERTILIZER AT A RATE OF 20 LBS PER 1000 SF OR 850 LBS PER ACRE. THE FERTILIZER SHOULD BE EITHER SLOW TIME RELEASE OR APPLIED IN TWO APPLICATIONS, HALF AT TIME OF PLANTING AND THE

APPLY 4,000 Ib/ACRE STRAW. THE GROUND SHOULD BE COMPLETELY COVERED WITH NO BARE SPOT LARGER THAN A QUARTER. THEN TACKED WITH EMULSIFIED ASPHALT. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE HEAVY ENOUGH THAT THE ENTIRE AREA APPEARS

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL SLOPES 3:1 AND



PERMANENT SODDING:

PROVIDE BERMUDA SOD IN ACCORDANCE WITH LANDSCAPE DRAWINGS REFER TO MAINTENANCE SPECIFICATIONS AND REQUIREMENTS FOR PERMANENT SODDING.

PREPARE SEEDBED BY RIPPING, CHISELING, HARROWING, OR PLOWING TO DEPTH OF SIX INCHES SO AS TO PRODUCE A LOOSE, FRIABLE SURFACE. REMOVE ALL STONES, BOULDERS, STUMPS, OR DEBRIS FROM THE SURFACE WHICH WOULD PROHIBIT GERMINATION OR PLANT GROWTH.

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST, OR APPLY 300 LB/ACRE 10-10-10 FERTILIZER. PERMANENT SEEDINGS:

"COOL SEASON" SEPTEMBER 1- FEBRUARY 28

SOFT RED WINTER WHEAT COMMON BERMUDA (HULLED) COMMON BERMUDA (UNHULLED)	<u>RATE (LB/ACRE)</u> 50 25 25
"WARM SEASON" MARCH 1- AUGUS	

SPECIES	RATE (LB/ACRE)
GERMAN, BROWN TOP,	
OR FOX TAIL MILLET	50
COMMON BERMUDA (HULLED)	50

SOIL AMENDMENTS

TILL SOIL TO A DEPTH OF 4". APPLY LIME AT A RATE OF 70 LB PER 100 SF, OR 1.5 TONS PER ACRE. APPLY 10-20-20 FERTILIZER AT A RATE OF 20 LBS PER 1000 SF OR 850 LBS PER ACRE. THE FERTILIZER SHOULD BE EITHER SLOW TIME RELEASE OR APPLIED IN TWO APPLICATIONS, HALF AT TIME OF PLANTING AND THE SECOND HALF AFTER PERMANENT SEED GERMINATES.

MULCH

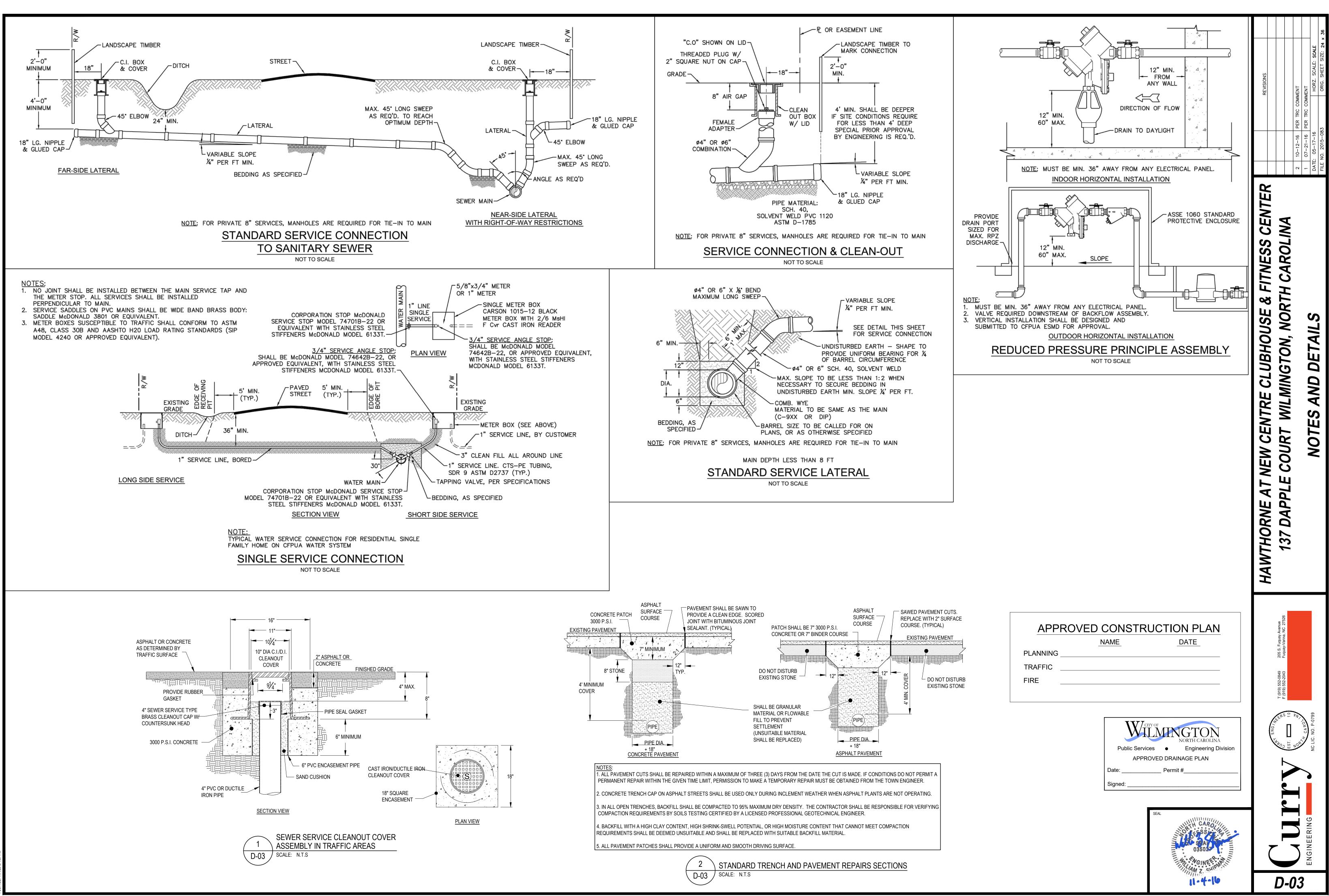
APPLY 4,000 LB/ACRE STRAW. THE GROUND SHOULD BE COMPLETELY COVERED WITH NO BARE SPOTS LARGER THAN A QUARTER, THEN TACKED WITH EMULSIFIED ASPHALT. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE HEAVY ENOUGH THAT THE ENTIRE AREA APPEARS BLACK IN COLOR.

MAINTENANCE

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

DATE	Public Services       •       Engineering Division         APPROVED DRAINAGE PLAN         Date:       Permit #	SEAL
	Date: Permit # Signed:	II-4-10

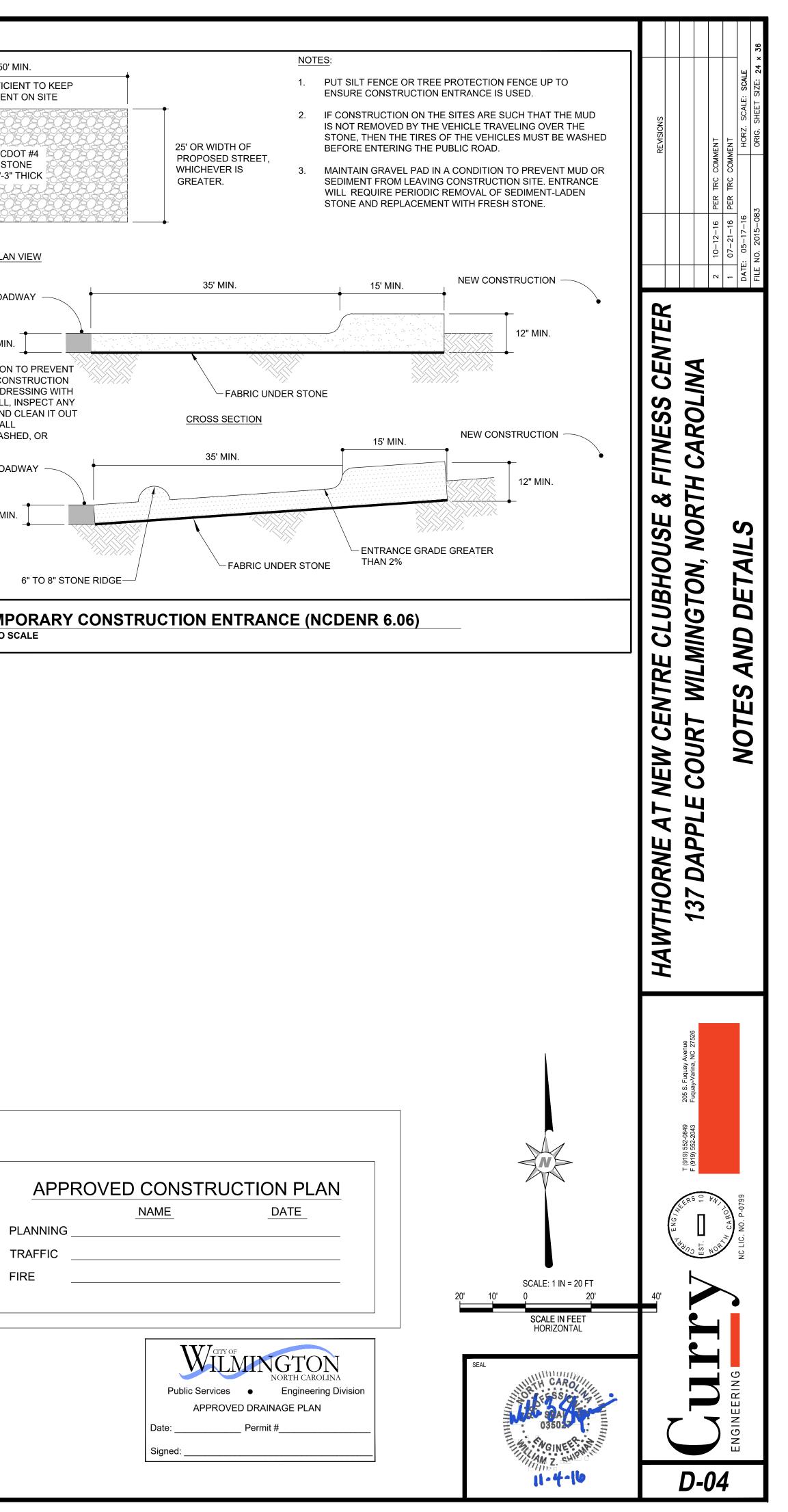
	HAWTHORNE AT NEW CENTRE CLITRHOLISE & FITNESS CENTER	REVISIONS	
C ENG/IN			
C E (919) 552-0849 205 S. Fuquay Avenue F (919) 552-0843 Funday Avenue			
EST. [10]	FLE COURT VILIMING ION, NORIN CAR		
		2   10-12-16   PER TRC COMMENT	
		1 07-21-16 PER TRC COMMENT	
NC LIC. NO. P-0799	NOTES AND DETAILS	DATE: 05-17-16 HORZ. SCALE: SCALE	Щ
		FILE NO. 2015-083 ORIG. SHEET SIZE: 24 × 36	24 × 36

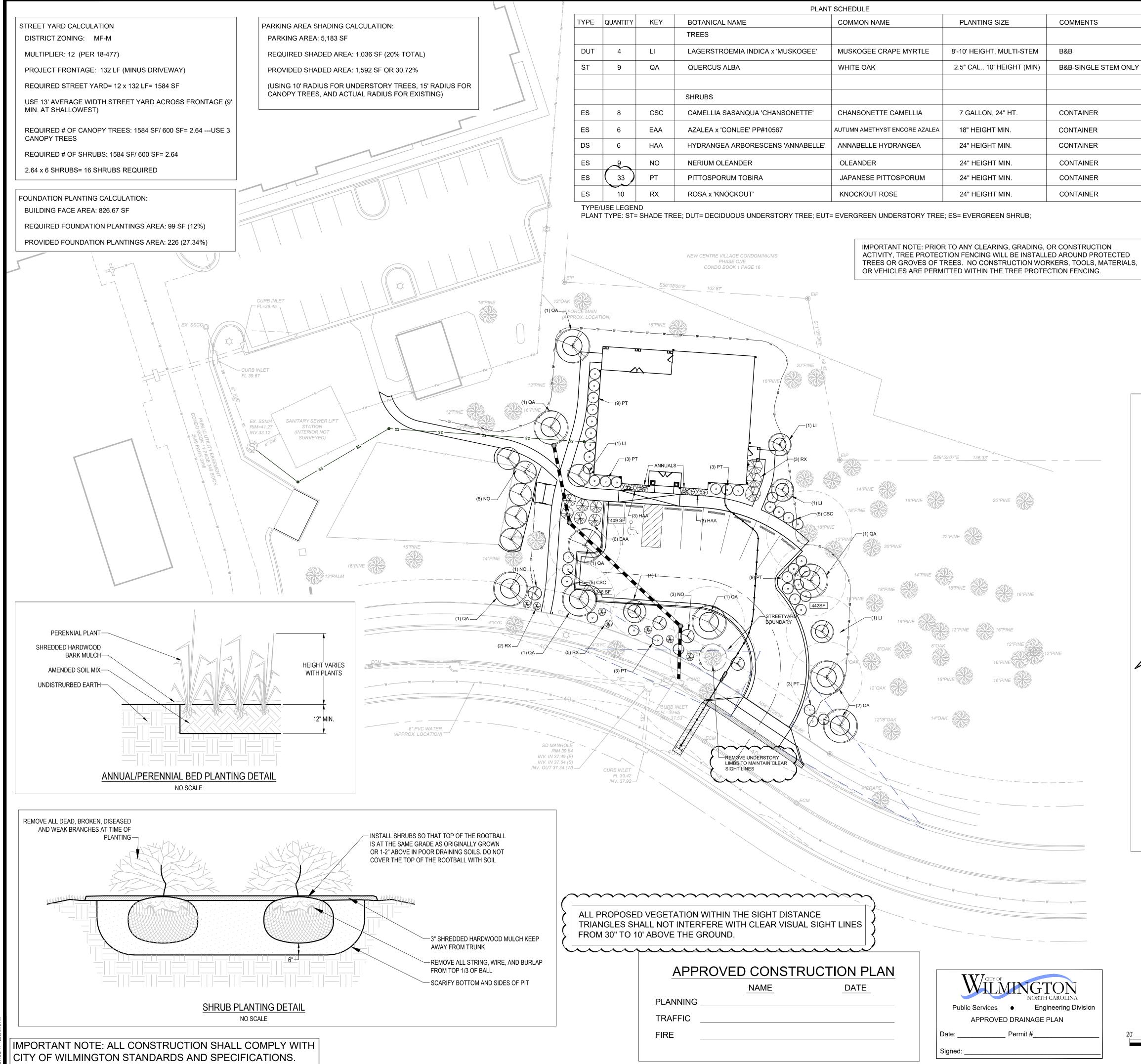


IMPORTANT NOTE: ALL CONSTRUCTION SHALL COMPLY WITH CITY OF WILMINGTON STANDARDS AND SPECIFICATIONS.

50' MIN.
BUT SUFFICIENT TO KEEP SEDIMENT ON SITE
EXISTING ROADWAY
PLAN VIEW
EXISTING ROADWAY
6" MIN. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH TWO-INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS. EXISTING ROADWAY
6" TO 8" STO
TEMPORARY NOT TO SCALE

PLANNING FIRE





			PLAN	T SCHEDULE		
TYPE	QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	COMMENTS
			TREES			
DUT	4	LI	LAGERSTROEMIA INDICA x 'MUSKOGEE'	MUSKOGEE CRAPE MYRTLE	8'-10' HEIGHT, MULTI-STEM	B&B
ST	9	QA	QUERCUS ALBA	WHITE OAK	2.5" CAL., 10' HEIGHT (MIN)	B&B-SINGLE STEM ONLY
			SHRUBS			
ES	8	CSC	CAMELLIA SASANQUA 'CHANSONETTE'	CHANSONETTE CAMELLIA	7 GALLON, 24" HT.	CONTAINER
ES	6	EAA	AZALEA x 'CONLEE' PP#10567	AUTUMN AMETHYST ENCORE AZALEA	18" HEIGHT MIN.	CONTAINER
DS	6	HAA	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE HYDRANGEA	24" HEIGHT MIN.	CONTAINER
ES	2	NO	NERIUM OLEANDER	OLEANDER	24" HEIGHT MIN.	CONTAINER
ES		PT	PITTOSPORUM TOBIRA	JAPANESE PITTOSPORUM	24" HEIGHT MIN.	CONTAINER
ES	10	RX	ROSA x 'KNOCKOUT'	KNOCKOUT ROSE	24" HEIGHT MIN.	CONTAINER
TYPE/	USE LEGEN	ID				

## **GENERAL NOTES:**

- 1. EXISTING CONDITIONS AND TOPOGRAPHICAL DATA OF THE SUBJECT PARCEL ARE COMPILED FROM A FIELD SURVEY OF THE PROPERTY BY MIKE UNDERWOOD AND ASSOCIATES, DATED FEBRUARY 14, 2016, AND IS NOT THE RESULT OF A FIELD SURVEY BY THE CURRY ENGINEERING GROUP, PLLC. ADDITIONAL EXISTING CONDITIONS DATA PROVIDED BY SUPPLEMENTAL DATA INCLUDING AERIAL PHOTOGRAPHY, NEW HANOVER COUNTY GIS DATA, AND OTHER DATA SOURCES AS REQUIRED. 2. PRIOR TO THE COMMENCEMENT OF ANY ACTIVITIES REQUIRING A BUILDING OR ZONING PERMIT AN ON-SITE
- PRECONSTRUCTION MEETING IS REQUIRED BETWEEN THE DEVELOPER AND CITY OF WILMINGTON INSPECTION STAFF TO REVIEW PROCEDURES FOR THE PROTECTION AND MANAGEMENET OF ALL LANDSCAPE ELEMENTS THAT ARE TO REMAIN AS IDENTIFIED ON THE LANDSCAPING PLANS.
- 3. CONTACT THE NC ONE CALL CENTER (811) FOR LOCATIONS OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF FIVE FEET FROM WATER AND SEWER CONNECTIONS. NOTIFY THE ENGINEER IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED 4. VERIFY ALL PLANT MATERIAL QUANTITIES ON THE PLAN PRIOR TO BIDDING; PLANT LIST TOTALS ARE SHOWN FOR
- CONVENIENCE ONLY AND SHALL BE CONFIRMED PRIOR TO SUBMITTING BIDS.
- 5. PROVIDE PLANT MATERIALS OF QUANTITY , SIZE, GENUS, SPECIES, AND VARIETY INDICATED ON THE PLANS, UNLESS EXPRESS WRITTEN PERMISSION IS ISSUED FROM THE OWNER OR THE ENGINEER INDICATING OTHERWISE. FINAL PLANT SELECTION MAY BE SUBJECT TO SEASONAL AVAILABILITY AND MAY BE ALTERED OR MODIFIED BY THE OWNER AS DESIRED. 6. ALL PLANT MATERIALS AND INSTALLTION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK." IF SPECIFIED PLANT MATERIAL IS NOT AVAILABLE, SUBMIT PROOF OF NON-AVAILABILITY TO THE ENGINEER, TOGETHER WITH PROPOSAL FOR THE USE OF EQUIVALENT MATERIAL, VARIETIES, OR
- CULTIVARS. 7. PROVIDE AND INSTALL ALL PLANTS AS IN ACCORDANCE WITH DETAILS AND CONTRACT SPECIFICATIONS.

## CONSTRUCTION/INSTALLATION:

- 1. THE OWNER AND/OR ENGINEER RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK."
- 2. LABEL AT LEAST ONE TREE AND SHRUB OF EACH VARIETY AND CALIPER WITH A SECURELY ATTACHED, WATERPROOF TAG BEARING THE DESIGNATION OF BOTANICAL AND COMMON NAME.
- INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO 3. THAT MATERIALS WILL NOT INTERFERE WITH SIGHT DISTANCES. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL
- FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY THE OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE.

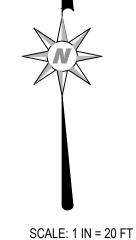
## **INSPECTIONS/GUARANTEE:**

- 1. UPON COMPLETION OF LANDSCAPE INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL
- CONTRACTOR WHO WILL VERIFY THE COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY THE ENGINEER.
- 2. ALL EXTERIOR PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR AFTER DATE OF FINAL INSPECTION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTORS CONTROL ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT OF THE PLANNING DEPARTMENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- 4. REMOVE ALL GUY WIRES AND STAKES 12 MONTHS AFTER INSTALLATION.

DO NOT PRUNE LEADER. PRUNE OR CUT ONLY DEAD OR UNHEALTHY BRANCHES - PROTECT TREE WITH BLACK RUBBER HOSE -10 GA. WIRE WITH GALVANIZED TURN-BUCKLE - WHITE PLASTIC FLAG ON WIRE ABOVE TURN-BUCKLE AND 6" ABOVE GROUND - TRUNK FLARE JUNCTION, PLANT 2" ABOVE FINISHED GRADE. REMOVE EXTRA SOIL FROM TRUNK FLARE. TREE SHALL BE SET PLUMB - MULCH 3" MIN. KEEP FROM DIRECT CONTACT WITH TRUNK - EDGE OF 3" HIGH WATERING SAUCER - 2"X4"X3" WOOD STAKE BURIED 3" BELOW FINISH GRADE, 3 PER TREE, EQUALLY SPACED. COMPLETELY REMOVE BURLAP, LACING AND -WIRE BASKET FROM TOP 1/2 OF THE ROOT BALL -PLANTING SOIL MIX AS SPECIFIED ROOT BALL SHALL BE PLACED DIRECTLY ON -3X ROOT BALL DIAMETER COMPACTED SUBGRADE

- CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
- 2. SAUCER SHALL BE FLOODED TWICE DURING THE FIRST 24 HOURS AFTER PLANTING.

DECIDUOUS TREE PLANTING DETAIL NOT TO SCALE



SCALE IN FEET HORIZONTAL

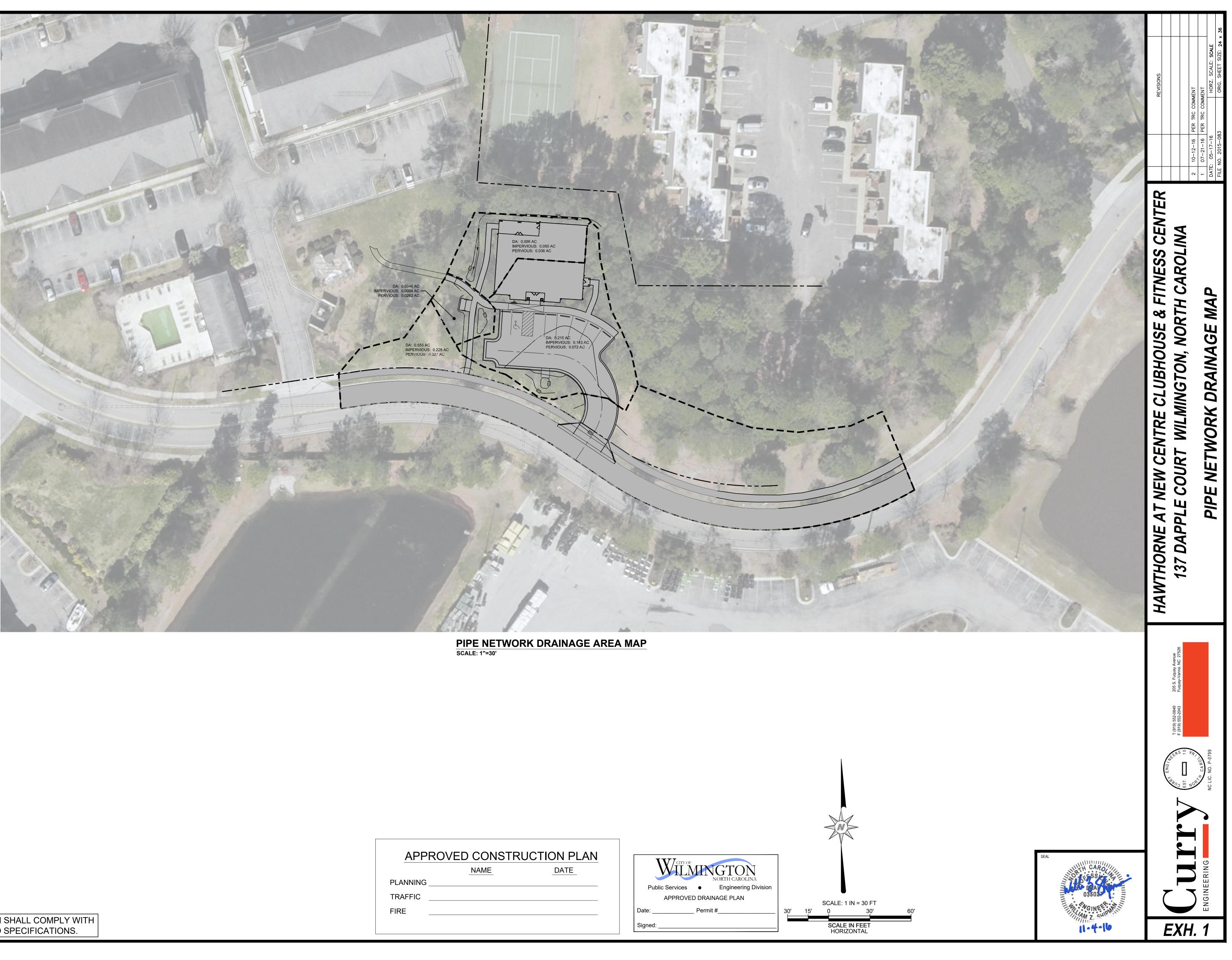




AT NEW CENTRE CLUBHOUSE & FITNESS CENTER PLE COURT WILMINGTON, NORTH CAROLINA	REVISIONS 10-12-16 PER TRC COMMENT
-	07-21-16 PER TRC COMMENT
	E: 05-17-16 HORZ. SCALE: SCALE
	FILE NO 2015-083 ORIC SHEET SIZE: 24 36









IMPORTANT NOTE: ALL CONSTRUCTION SHALL COMPLY WITH CITY OF WILMINGTON STANDARDS AND SPECIFICATIONS.