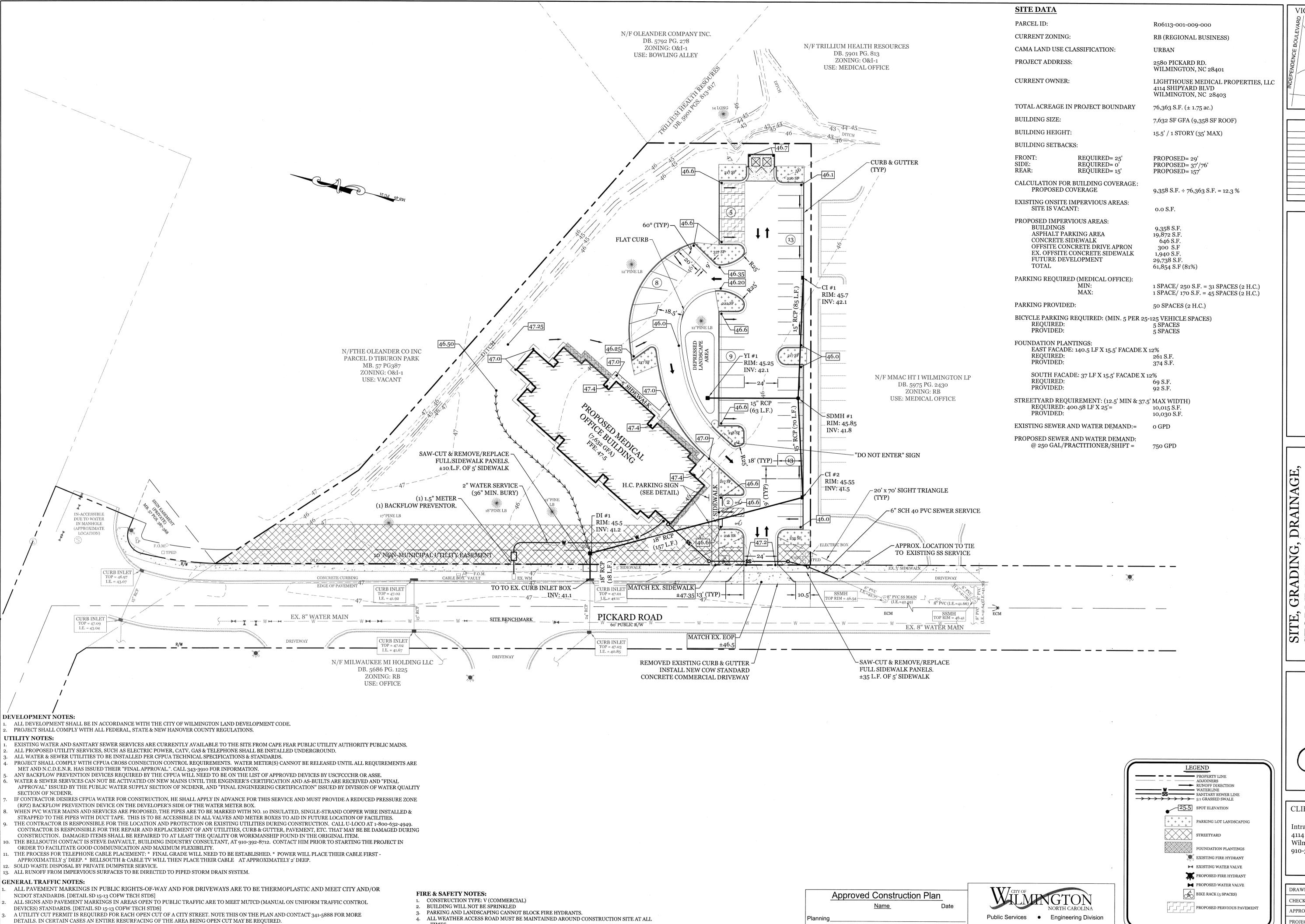


VICINITY MAP (NOT TO SCALE):

RAWN:	JAE	SHEET SIZE:	24x36
HECKED:	CDC	DATE:	2/7/2018
PROVED:	CDC	SCALE:	1" = 30'
OJECT NUMBI	ER:	2017-025	



5. HYDRANTS SHALL BE OF SUFFICIENT NUMBERS TO ACCOMMODATE BASE FIRE FLOW

ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES

6. IN ADDITION TO THE STANDARD COMMENTS, ADDITIONAL FIRE PROTECTION AND

REQUIREMENTS OF STRUCTURE.

CONCERNING THE PROJECT.

ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.

CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10'.

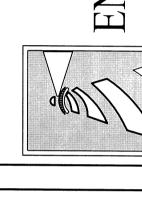
PLAT. [SD 15-14 COFW TECH STDS]

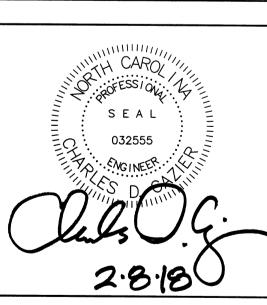
A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC

ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL

VICINITY MAP (NOT TO SCALE): TIBURON DRIVE SHIPYARD BOULEVAR

REVISIONS





CLIENT INFORMATION: Intracoastal Internal Medicine

4114 Shipyard Blvd. Wilmington NC 28403 910-332-0701

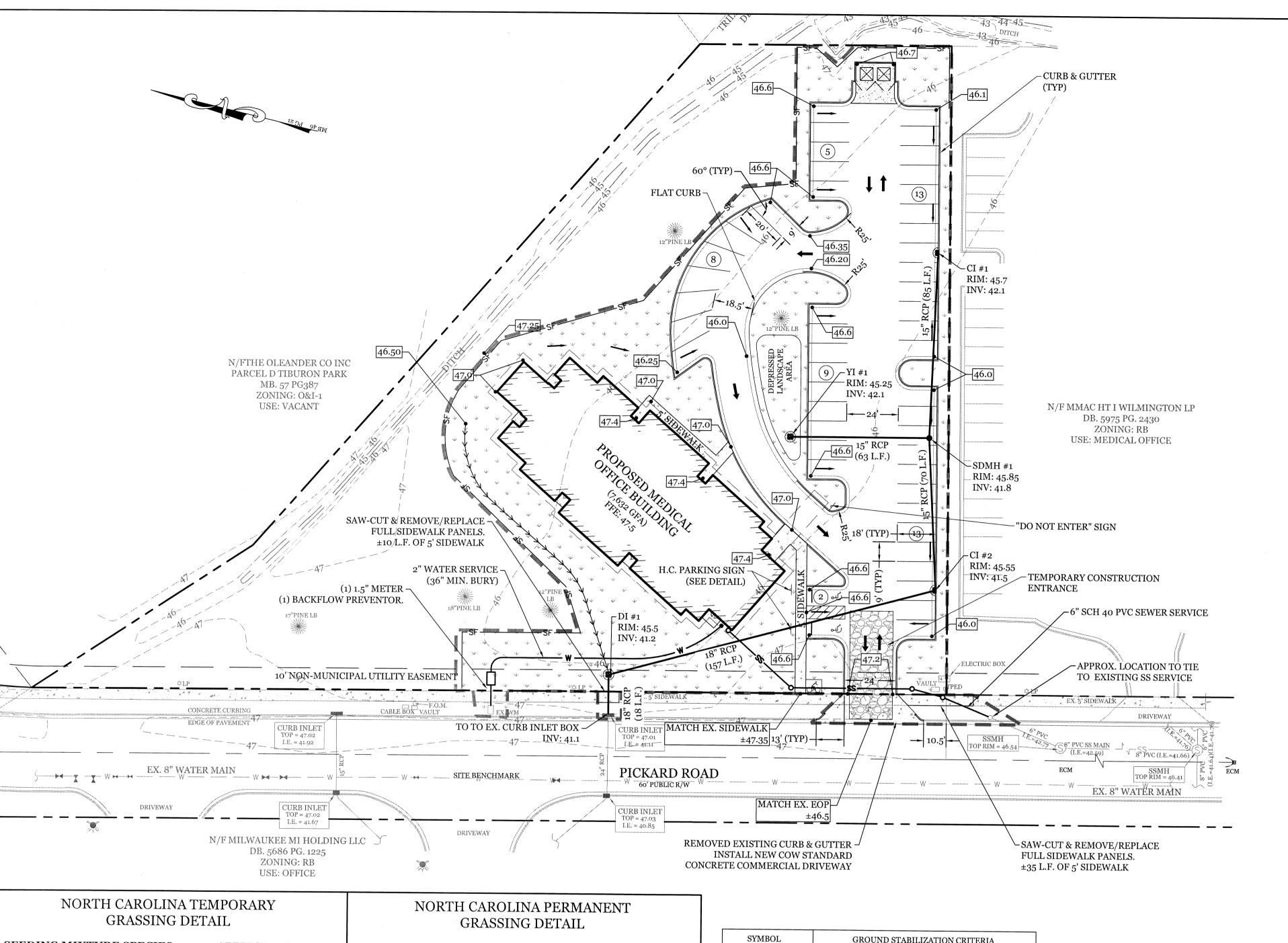
DRAWN:	JAE	SHEET SIZE:	24x36
CHECKED:	CDC	DATE:	2/7/2018
APPROVED:	CDC	SCALE:	1" = 30'
PROJECT NUMBER:		2017-025	

DRAWING NUMBER: C-1

Scale: 1"=30'

APPROVED STORMWATER MANAGEMENT PLAN

Public Utilities



GRASSING DETAIL	GRASSING DETAIL		
SEEDING MIXTURE SPECIES APPLICATION RATE	SEEDING MIXTURE SPECIES APP		
LATE WINTER & EARLY SPRING: Rye (grain) Annual Iespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains) Omit annual Iespedeza when duration 100 (lb/acre) 50 (lb/acre)	FALL & WINTER: Tall Fescue (blend of two or three improved varieties) Rye (grain)		
of temporary cover is not to extend beyond June	SPRING & SUMMER: Pensacola Bahiagrass		

SUMMER:	
German Millet	
In the Piedmont and Mountains,	o (lb/acre)
a small-stemmed sundangrass may be	` ' '
substituted at a rate of 50 (lb/acre)	

Rye (grain) 120 (lb/acre)

SEEDING DATES

LATE WINTER & EARLY SPRING: Mountains - Above 2500 ft: Feb. 15-May 15 Piedmont - Jan. 1-May 1 Coastal Plain - Dec. 1-Apr. 15

Mountains - May 15-Aug. 15 Piedmont - May 1-Aug. 15 Coastal Plain - Apr. 15-Aug. 15

Mountains - Aug. 15-Dec. 15 Coastal Plain and Piedmont - Aug. 15-Dec. 30

Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

apply 4,000 lb/acre straw. anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Refertilize if growth is not fully adequate. reseed, refertilize and mulch immediately following erosion or other damage.

SEEDING MIXTURE SPECIES	APPLICATION RATE	
FALL & WINTER:		
Tall Fescue (blend of two or	200 (lb/acre)	
three improved varieties)		
Rye (grain)	25 (lb/acre)	
SPRING & SUMMER:		
Pensacola Bahiagrass	50 (lb/acre)	
Sericea Lespedeza	30 (lb/acre)	
Common Bermudagrass	10 (lb/acre)	
German Millet	10 (lb/acre)	
Tall Fescue	50 (lb/acre)	
CEEDING DATEG		

SEEDING DATES

FALL & WINTER: January - April

August - December

SOIL AMENDMENTS:

Apply lime and fertilizer according to soil tests, or apply 3.000-5,000 lb/acre ground agricultural limestone (use the lower rate on sandy soils) and 1,000 lb/acre 10-10-10 fertilizer.

Fertilize according to soil tests or apply 40 lb/acre nitrogen in January or february, 40 lb in September and 40 lb in November, from a 12-4-8, 16-4-8, or similar turf fertilizer. Avoid fertilizer applications during warm weather, as this increases stand losses to disease. Reseed, fertilize, and mulch damaged areas immediately. mow to a height of 2.5-3.5 inches as needed.

SPRING & SUMMER:

Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agriculture limestone and 500 lb/acre 10-10-10 fertilizer.

April 1 - July 15

Refertilize the following april with 50 lb/acre nitrogen. Repeat as growth requires. may be moved only once a year. Where a neat appearance is desired, omit sericea and mow as often as needed.

apply 4,000 lb/acre straw. anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

SYMBOL	GROUND STABILIZATION CRITERIA		
	SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
	* Perimeter dikes, ditches and slopes	7 Days	None
	* High Quality Water (HQW) Zones	7 Days	None
	* Slopes Steeper than 3:1	7 Days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	* Slopes 3:1 or flatter	14 Days	7-days for slopes greater than 50 ft. in length
\(\psi\) \(\	* All other areas with slopes flatter than 4:1	14 Days	None (except for perimeters & HQW

BUILDING WASTE HANDLING:

- NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS - DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE.

- EARTHEN MATERIAL STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE. - CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS, OR BUFFERS.

INSPECTIONS: - SAME WEEKLY REQUIREMENTS

- SAME RAIN GAUGE & INSPECTIONS AFTER 0.50" RAIN EVENT. - INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS" - INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.

- RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST. - ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN

SEDIMENT BASINS: - OUTLET STRUCTURES MUST BE WITHDRAWN FROM BASIN SURFACES UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE. - USE ONLY DWQ APPROVED FLOCCULANTS.

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.

SITE DATA

CURRENT ZONING:

PROJECT ADDRESS:

CURRENT OWNER:

BUILDING SIZE:

TOTAL DISTURBED AREA:

CAMA LAND USE CLASSIFICATION:

TOTAL ACREAGE IN PROJECT BOUNDARY

CALCULATION FOR BUILDING COVERAGE:

EXISTING ONSITE IMPERVIOUS AREAS:

ASPHALT PARKING AREA

OFFSITE CONCRETE DRIVE APRON

EX. OFFSITE CONCRETE SIDEWALK

CONCRETE SIDEWALK

FUTURE DEVELOPMENT

PROPOSED COVERAGE

SITE IS VACANT:

BUILDINGS

TOTAL

PROPOSED IMPERVIOUS AREAS:

R06113-001-009-000

2580 PICKARD RD. WILMINGTON, NC 28401

4114 SHIPYARD BLVD WILMINGTON, NC 28403

76,363 S.F. (± 1.75 ac.)

7,632 SF GFA (9,358 SF ROOF)

9,358 S.F. ÷ 76,363 S.F. = 12.3 %

URBAN

± 1.16 ac.

o.o S.F.

19,872 S.F.

646 S.F.

300 S.F

1,940 S.F.

29,738 S.F.

61,854 S.F (81%)

RB (REGIONAL BUSINESS)

PARCEL ID:

2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION, SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET

PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.

4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.

SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.

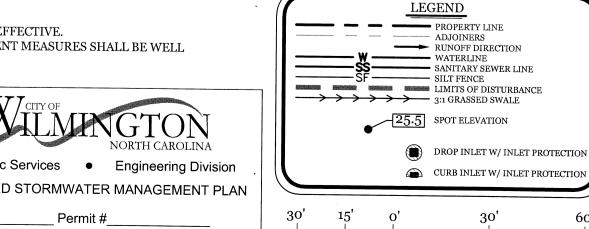
CONSTRUCTION SEQUENCE:
CONSTRUCTION OF SITE TO START WITH INSTALLATION OF CONSTRUCTION ENTRANCE AND SILT FENCE ALONG ALL LOCATIONS PER PLANS. UPON INSTALLATION OF SILT FENCE, TREES SHOULD BE REMOVED IN LOCATIONS AS NECESSARY. ALL SLOPED AREAS SHOULD BE SEEDED IN ACCORDANCE TO SPECIFICATIONS. SLOPE STABILIZATION IS WITHIN 21 CALENDAR DAYS OF ANY PHASE OF CONSTRUCTION. ALL OTHER AREAS MUST BE STABILIZED WITH IN 15 WORKING DAYS. CONTRACTOR TO FOLLOW NPDES STABILIZATION REQUIREMENTS PER TABLE ON THIS SHEET AS WELL. MOST STRINGENT REQUIREMENT TO

- 1. GENERAL CLEARING AND GRADING OF THIS SITE WILL NOT BE DONE UNTIL THE TEMPORARY SILT FENCE & CONSTRUCTION ENTRANCE HAS BEEN
- 2. NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL). 3. NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION. INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, TREE PROTECTION FENCE & SEDIMENT BASINS. CONTRACTOR TO BE FAMILIAR WITH USACOE GENERAL PERMIT CONDITIONS FOR ROAD CROSSINGS. SPECIFIC CONSTRUCTION METHODS MAY BE REQUIRED ABOVE AND BEYOND WHAT IS SPECIFIED IN THIS PLAN. INSTALL ALL
- SECONDARY EROSION CONTROL MEASURES, SUCH AS INLET PROTECTION AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION. ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION TO BE CLEANED WHEN HALF FULL
- A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.

ESTABLISHED PRIOR TO PROJECT COMPLETION.

- MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
- MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE. 9. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL

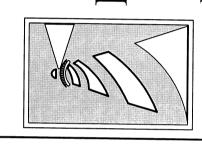
Approved Construction Plan Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Public Utilities



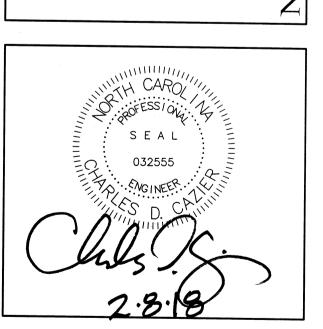
Scale: 1"=30

VICINITY MAP (NOT TO SCALE): LIGHTHOUSE MEDICAL PROPERTIES, LLC SHIPYARD BOULEVAR

REVISIONS



SEDIMENTATION CONTROL



CLIENT INFORMATION

Intracoastal Internal Medicine 4114 Shipyard Blvd. Wilmington NC 28403 910-332-0701

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