

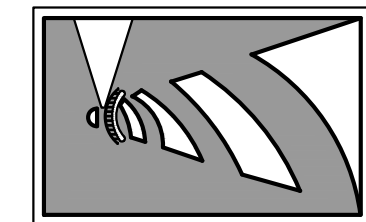
By waltonj at 1:47 pm, Dec 22, 2021

SITE DATA	
PARCEL ID:	R05620-003-002-000
ZONING:	O&I-1
CAMA LAND USE CLASSIFICATION:	WATERSHED RESOURCE PROTECTION
PROJECT ADDRESS	1 LAME AVE. WILMINGTON, NC 28403
CURRENT OWNERS:	DONRA PET SERVICES LLC (DONA PERKINS GOODBYE HUGS PET CREMATION) P.O. BOX 12873 WILMINGTON, NC 28405
TOTAL ACREAGE IN PROJECT BOUNDARY	11,761 S.F. (0.27 ACRES)
TOTAL DISTURBED AREA:	0.27 AC.
EXISTING ONSITE IMPERVIOUS AREAS: 0.0 S.F. (SITE IS VACANT)	
SOIL TYPE:	Wa (Wakulla Sand) 95.7% Ke (Kenansville Fine Sand) 4.3% <i>(Per the USDA websoil survey map)</i>

REVISIONS

**INTRACOASTAL
ENGINEERING, PLLC**
5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: Charlie@intracoastalengineering.com
License Number P-0662

5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: Charlie@intracoastalengineering.com
License Number P-0662



EXISTING CONDITIONS,
TREE REMOVAL &
PROTECTION PLAN
FOR
PERKINS GOODBYE HUGO
PET CREMATION
WILMINGTON, NORTH CAROLINA

A circular professional engineer seal for the State of North Carolina. The outer ring contains the text "NORTH CAROLINA" at the top and "CHARLES D. CAZIER" at the bottom. Inside this ring, the words "PROFESSIONAL" and "ENGINEER" are positioned at the top and bottom respectively. The center of the seal features the word "SEAL" in a large, bold, serif font, with the license number "932555" printed directly below it.

CLIENT INFORMATION:

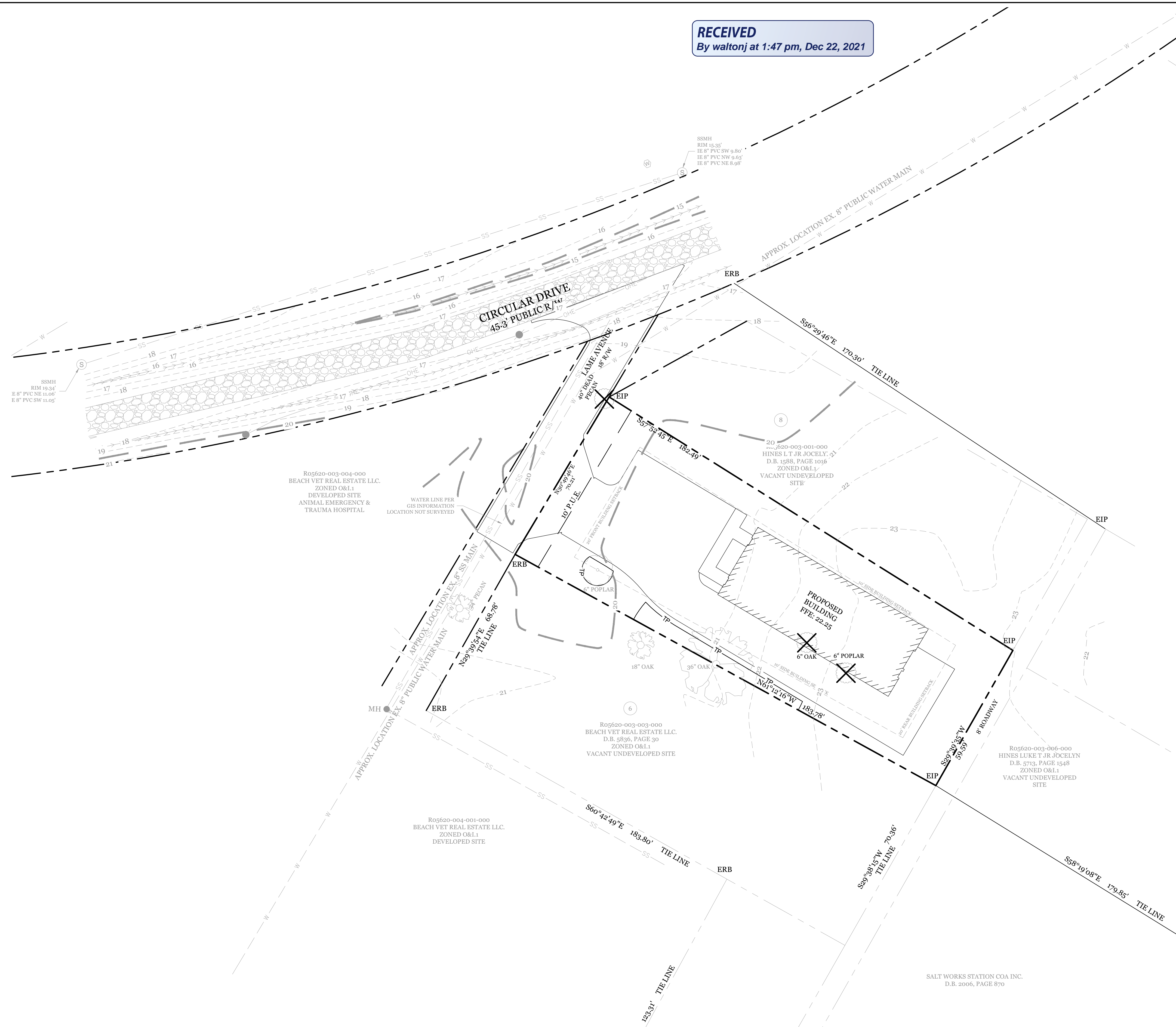
DONRA PET SERVICES, LLC
P.O. BOX 12873
WILMINGTON, NC 28405

DRAWN:	JAE	SHEET SIZE:	24 X 36
CHECKED:	CDC	DATE:	12/22/2021
APPROVED:	CDC	SCALE:	1" = 20'
PROJECT NUMBER:		2021-038	

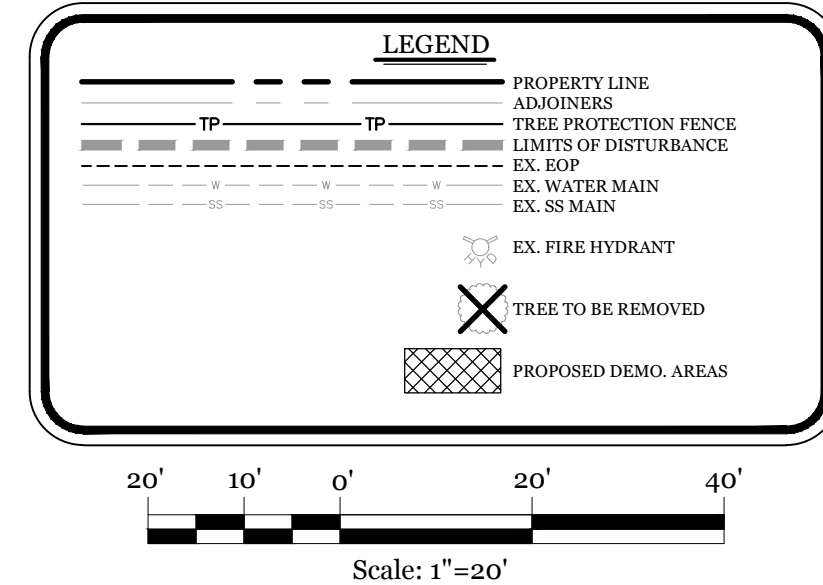
DRAWING NUMBER:

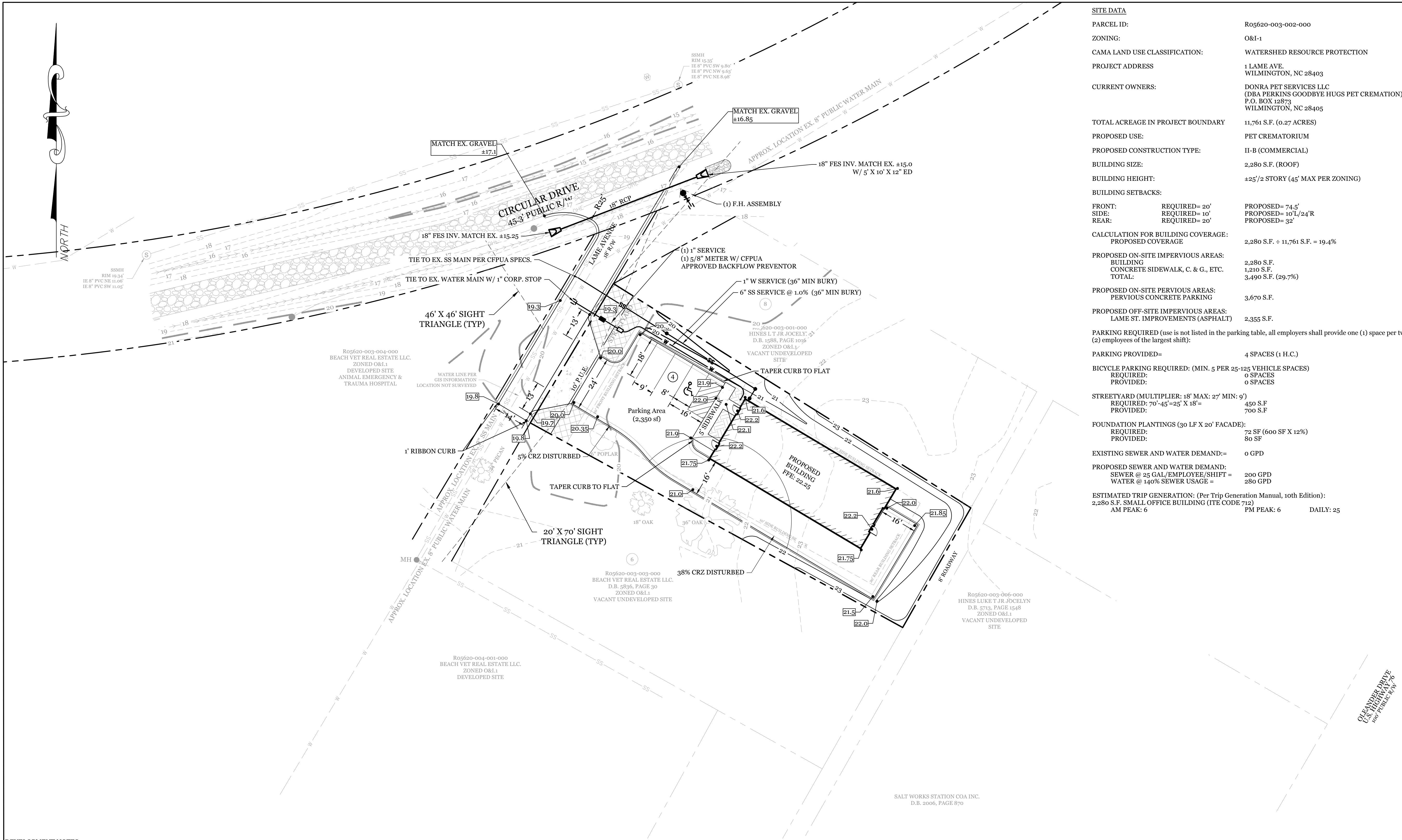
C-o

1 OF 5



- NOTES:
1. EXISTING SURVEY DATA PROVIDED BY CAPE FEAR ENGINEERING.
 2. NO WETLANDS EXIST ON SITE.
 3. PROPERTY IS LOCATED IN ZONE "X" ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP 3720312500K, DATED 08/28/18
 4. THIS PROPERTY IS NOT AFFECTED BY AN AEC.
 5. NO CONSERVATION RESOURCES EXIST ON SITE.
 6. THIS PROPERTY IS NOT AFFECTED BY ANY HISTORIC OR ARCHAEOLOGICAL SITES.
 7. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, A CONSTRUCTION ENTRANCE AND SILT FENCING SHALL BE INSTALLED.
 8. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES.
 9. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 10. TREE PROTECTION SIGNAGE SHALL BE ADDED ALONG THE LIMITS OF DISTURBANCE ADJACENT TO TREES EVERY 100' TO PROTECT TREES ADJACENT TO THE CONSTRUCTION SITE.





DEVELOPMENT NOTES:

1. ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH CITY OF WILMINGTON ZONING ORDINANCE.
2. PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE & CITY OF WILMINGTON REGULATIONS.
3. ROOF DRAINS TO BE DISCONNECTED AND DIRECTED TO GRASSED AREA AT SIDE OF BUILDING.

FIRE & SAFETY NOTES:

1. CONTRACTOR SHALL MAINTAIN AN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
2. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
3. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE FDC'S OR FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL ALWAYS BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC'S.
4. ADDITIONAL FIRE PROTECTION AND/OR ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
5. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.

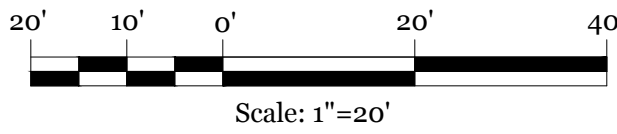
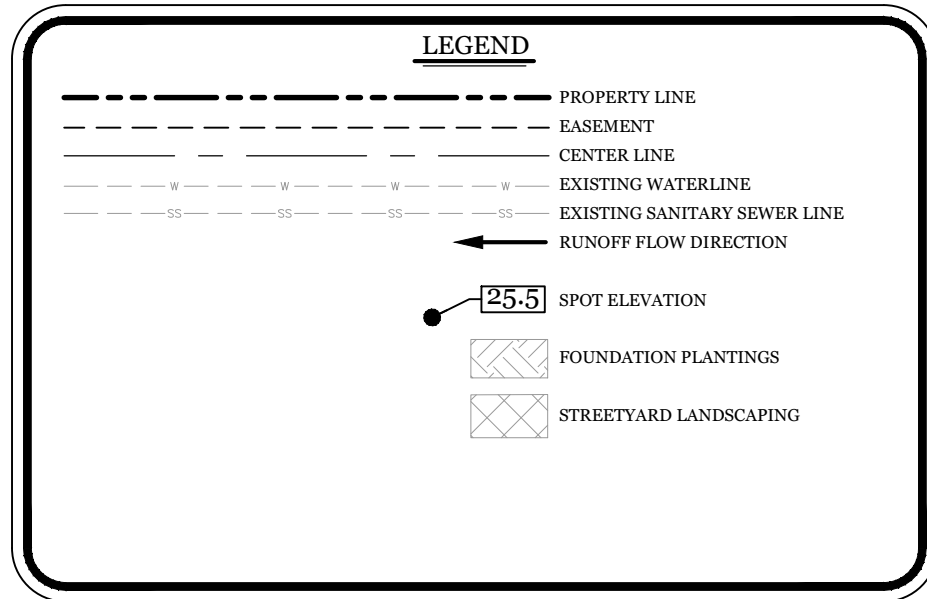
GENERAL TRAFFIC NOTES:

1. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS OFF THE R/W TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
2. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS. [DETAIL SD 15-13 & SD 11-3 COFW TECH STD'S]
3. ALL SIGNS AND PAVEMENT MARKINGS OFF RIGHT OF WAY ARE TO MEET/BE MAINTAINED TO MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS. [DETAIL SD 15-13 & SD 11-3 COFW TECH STD'S]
4. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5899 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
5. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
6. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN ROW.
7. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30" TO 10'.
8. STREET TREES MUST BE LOCATED A MINIMUM OF 15 FEET FROM STREET LIGHTS. [COFW SD 15-17]
9. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5899 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.

UTILITY NOTES:

1. EXISTING WATER AND SANITARY SEWER SERVICES ARE CURRENTLY AVAILABLE TO THE SITE FROM CAPE FEAR PUBLIC UTILITY AUTHORITY PUBLIC MAINS.
2. ALL PROPOSED UTILITY SERVICES, SUCH AS ELECTRIC POWER, CATV, GAS & TELEPHONE SHALL BE INSTALLED UNDERGROUND.
3. ALL WATER & SEWER UTILITIES TO BE INSTALLED PER CFPWA TECHNICAL SPECIFICATIONS & STANDARDS.
4. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCOCHCR OR ASSE.
5. IF CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
6. WHEN PVC WATER MAINS AND SERVICES ARE PROPOSED, THE PIPES ARE TO BE MARKED WITH NO. 10 INSULATED, SINGLE-STRAND COPPER WIRE INSTALLED & STRAPPED TO THE PIPES WITH DUCT TAPE. THIS IS TO BE ACCESSIBLE IN ALL VALVES AND METER BOXES TO AID IN FUTURE LOCATION OF FACILITIES.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF EXISTING UTILITIES DURING CONSTRUCTION. CALL NC811 AT 811 OR 1-800-632-4949. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ANY UTILITIES, CURB & GUTTER, PAVEMENT, ETC. THAT MAY BE DAMAGED DURING CONSTRUCTION. DAMAGED ITEMS SHALL BE REPAIRED TO AT LEAST THE QUALITY OR WORKMANSHIP FOUND IN THE ORIGINAL ITEM.
8. THE PROCESS FOR TELEPHONE CABLE PLACEMENT: * FINAL GRADE WILL NEED TO BE ESTABLISHED. * POWER WILL PLACE THEIR CABLE FIRST - APPROXIMATELY 3' DEEP. * TELEPHONE & CABLE TV WILL THEN PLACE THEIR CABLE AT APPROXIMATELY 2' DEEP.
9. SOLID WASTE DISPOSAL BY ROLL OUT CARTS.
10. 3' SEPARATION REQUIRED BETWEEN ALL JOINTS, FITTINGS AND SERVICE SADDLES.
11. NO FORMAL SITE LIGHTING IS PROPOSED. THERE MAY BE SOME SMALL LIGHTS INSTALLED ON THE BUILDING ITSELF.

<u>SITE DATA</u>		
PARCEL ID:	R05620-003-002-000	
ZONING:	O&I-1	
CAMA LAND USE CLASSIFICATION:	WATERSHED RESOURCE PROTECTION	
PROJECT ADDRESS	1 LAME AVE. WILMINGTON, NC 28403	
CURRENT OWNERS:	DONRA PET SERVICES LLC (DBA PERKINS GOODBYE HUGS PET CREMATION) P.O. BOX 12873 WILMINGTON, NC 28405	
TOTAL ACREAGE IN PROJECT BOUNDARY	11,761 S.F. (0.27 ACRES)	
PROPOSED USE:	PET CREMATORIUM	
PROPOSED CONSTRUCTION TYPE:	II-B (COMMERCIAL)	
BUILDING SIZE:	2,280 S.F. (ROOF)	
BUILDING HEIGHT:	±25/2 STORY (45' MAX PER ZONING)	
BUILDING SETBACKS:		
FRONT:	REQUIRED= 20'	PROPOSED= 74.5'
SIDE:	REQUIRED= 10'	PROPOSED= 10' L/24' R
REAR:	REQUIRED= 20'	PROPOSED= 32'
CALCULATION FOR BUILDING COVERAGE:		
PROPOSED COVERAGE	2,280 S.F. ÷ 11,761 S.F. = 19.4%	
PROPOSED ON-SITE IMPERVIOUS AREAS:		
BUILDING	2,280 S.F.	
CONCRETE SIDEWALK, C. & G., ETC.	1,210 S.F.	
TOTAL:	3,490 S.F. (29.7%)	
PROPOSED ON-SITE PERVIOUS AREAS:		
PERVIOUS CONCRETE PARKING	3,670 S.F.	
PROPOSED OFF-SITE IMPERVIOUS AREAS:		
LAME ST. IMPROVEMENTS (ASPHALT)	2,355 S.F.	
PARKING REQUIRED (use is not listed in the parking table, all employers shall provide one (1) space per two (2) employees of the largest shift):		
PARKING PROVIDED=	4 SPACES (1 H.C.)	
BICYCLE PARKING REQUIRED: (MIN. 5 PER 25-125 VEHICLE SPACES)		
REQUIRED:	0 SPACES	
PROVIDED:	0 SPACES	
STREET/YARD (MULTIPLIER: 18' MAX: 27' MIN: 9')		
REQUIRED: 70'-45'±25' X 18' =	450 S.F.	
PROVIDED:	700 S.F.	
FOUNDATION PLANTINGS (30 LF X 20' FACADE):		
REQUIRED:	72 SF (600 SF X 12%)	
PROVIDED:	80 SF	
EXISTING SEWER AND WATER DEMAND:=	0 GPD	
PROPOSED SEWER AND WATER DEMAND:		
SEWER @ 25 GAL/EMPLOYEE/SHIFT =	200 GPD	
WATER @ 140% SEWER USAGE =	280 GPD	
ESTIMATED TRIP GENERATION: (Per Trip Generation Manual, 10th Edition):		
2,280 S.F. SMALL OFFICE BUILDING (ITE CODE 712)		
AM PEAK: 6	PM PEAK: 6	DAILY: 25



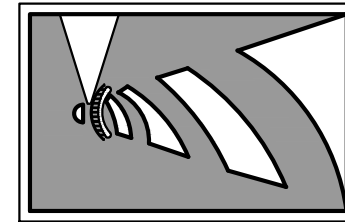
VICINITY MAP (NOT TO SCALE):



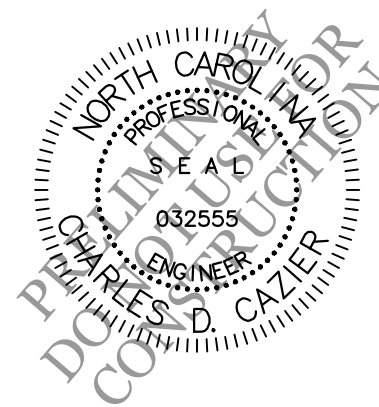
REVISIONS

INTRACOASTAL
ENGINEERING, PLLC

5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: charlie@intracoastalengineering.com
License Number P-0662



SITE, GRADING, DRAINAGE,
& UTILITIES PLAN
FOR
PERKINS GOODBYE HUGS
PET CREMATION
WILMINGTON, NORTH CAROLINA

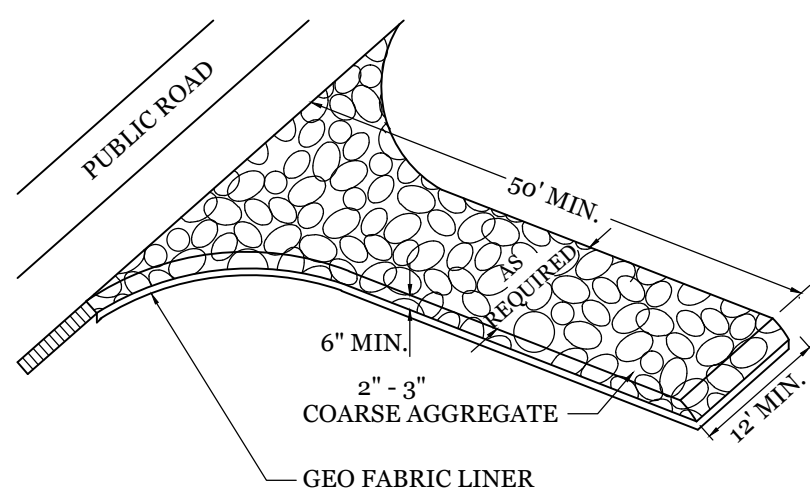


CLIENT INFORMATION:

DONRA PET SERVICES, LLC
P.O. BOX 12873
WILMINGTON, NC 28405

DRAWN:	JAE	SHEET SIZE:	24 X 36
CHECKED:	CDC	DATE:	12/22/2021
APPROVED:	CDC	SCALE:	1" = 20'
PROJECT NUMBER:	2021-038		

DRAWING NUMBER:
C-1
2 OF 5

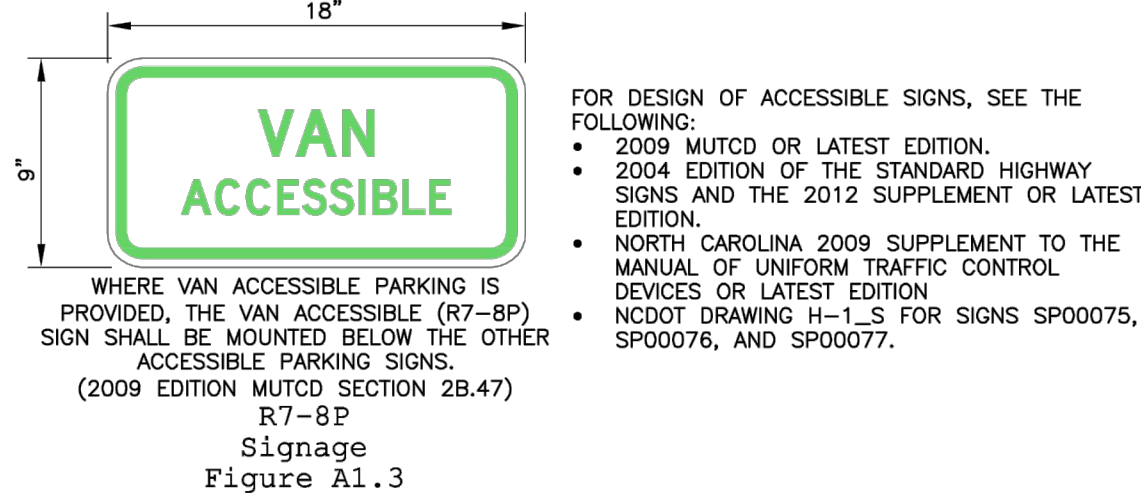



- NOTE:**
CONSTRUCTION ENTRANCE TO BE 12' OR ENTIRE WIDTH OF
ENTRANCE, WHICHEVER IS GREATER.

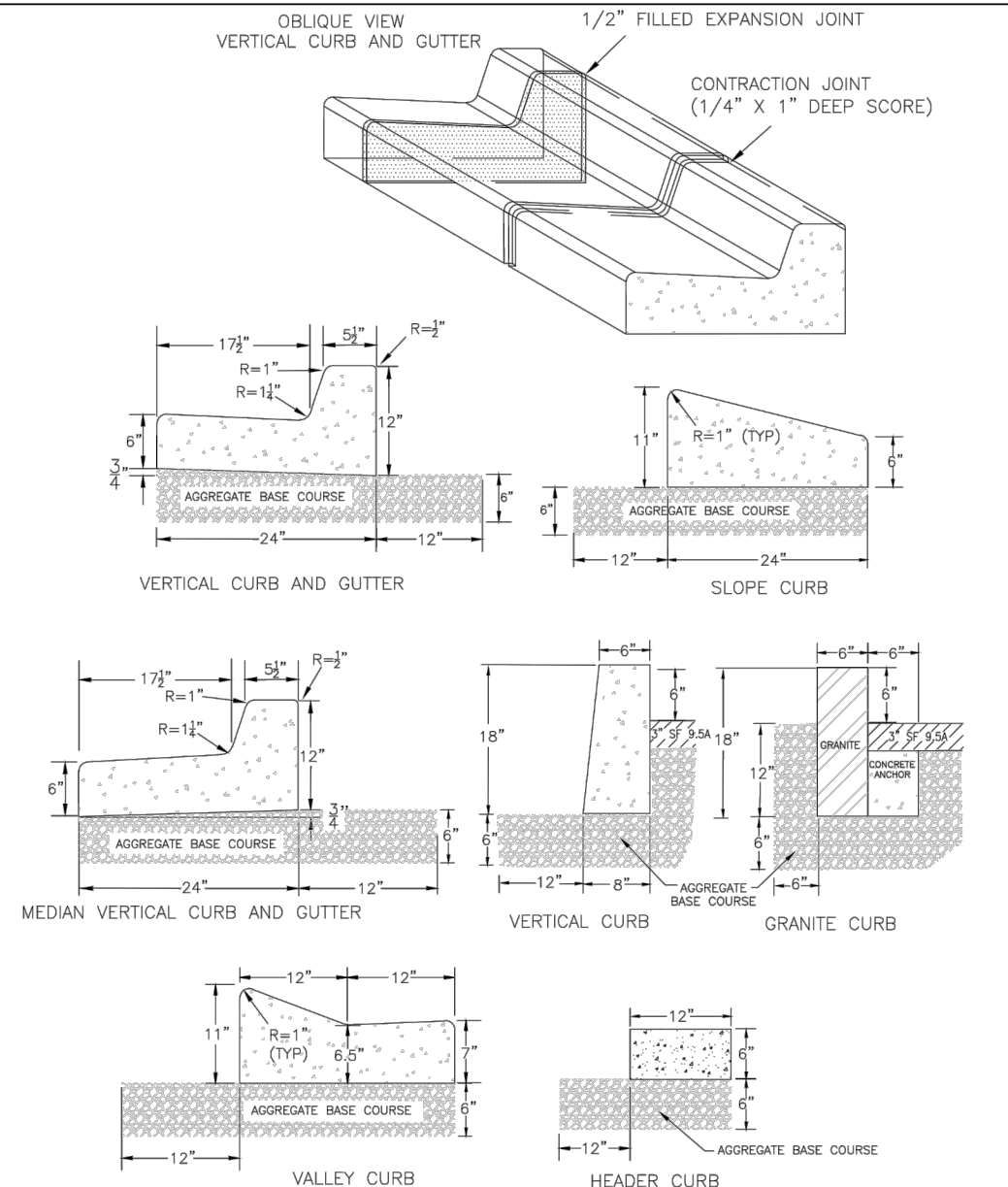
TEMPORARY GRAVEL
CONSTRUCTION ENTRANCE

NTS

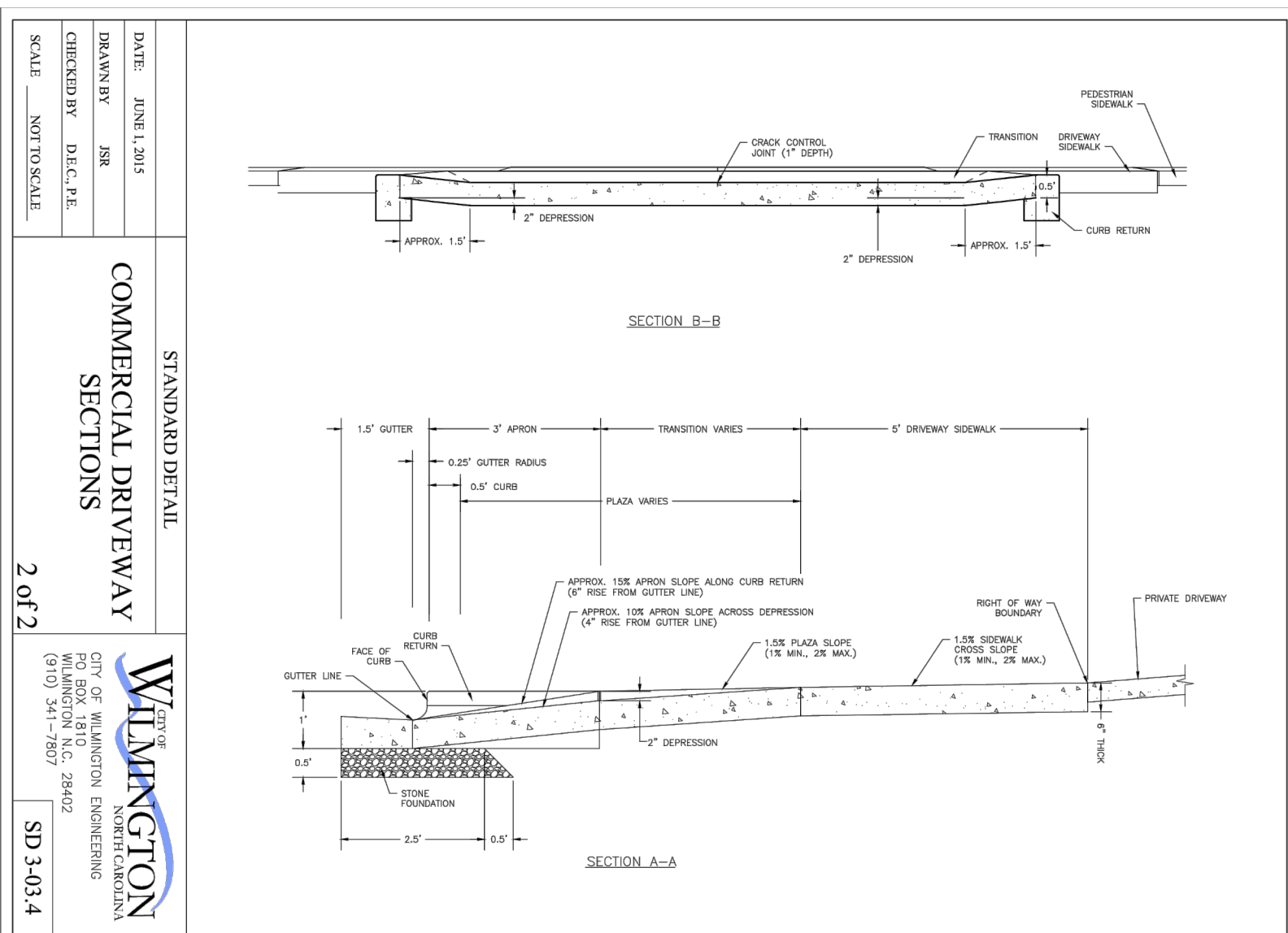
NTS



DATE: NOVEMBER 8, 2016	ACCESSIBLE PARKING SIGNS AND INSTALLATION DETAILS SHEET A2 OF 5	 P.O. Box 1852 • Wilmington, NC 28402 • (910) 343-5988
DRAWN BY: DALE THOMPSON		
CHECKED BY: RANDALL GLAZIER		
SCALE: NOT TO SCALE		



		STANDARD DETAIL		 CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807	
DATE: AUGUST, 2011		CURBING		<div style="border: 1px solid black; width: 100px; height: 50px; float: right; text-align: center; line-height: 50px;">SD 3-11</div>	
DRAWN: PB/JSR					
CHECKED: DEC					
SCALE <u>NOT TO SCALE</u>					



2" SF9.5A

6" ABC

COMPACTED SUBGRADE

LAME AVE. ASPHALT SECTION

NTS

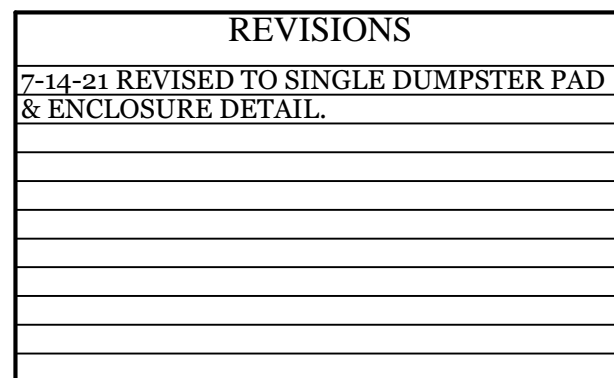
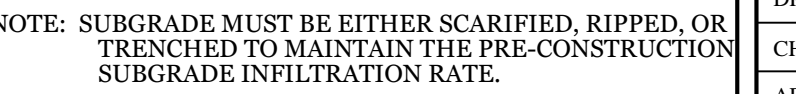
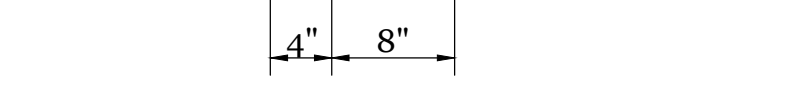
4" CONC. SIDEWALK
w/6x6-10/10 W.W.M.

6"

8"

ASPHALT

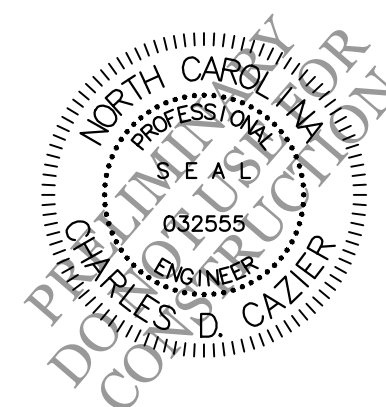
NOTE: SUBGRADE MUST BE EITHER SCARIFIED OR COMPACTED



DETAILS

FOR PERKINS GOODBYE HUGS PET CREMATION

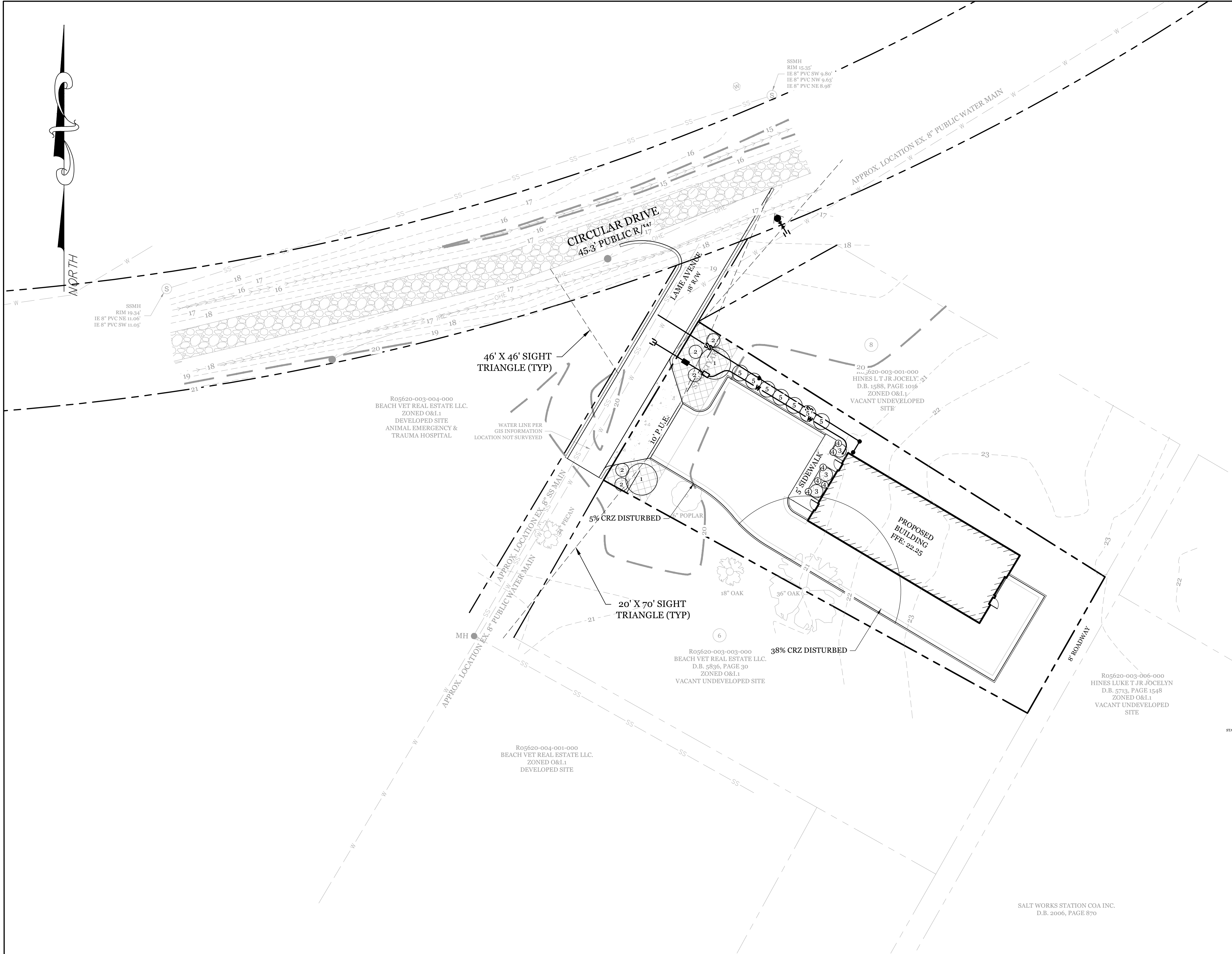
WILMINGTON, NORTH CAROLINA



CLIENT INFORMATION:

DONRA PET SERVICES, LLC
P.O. BOX 12873
WILMINGTON, NC 28405

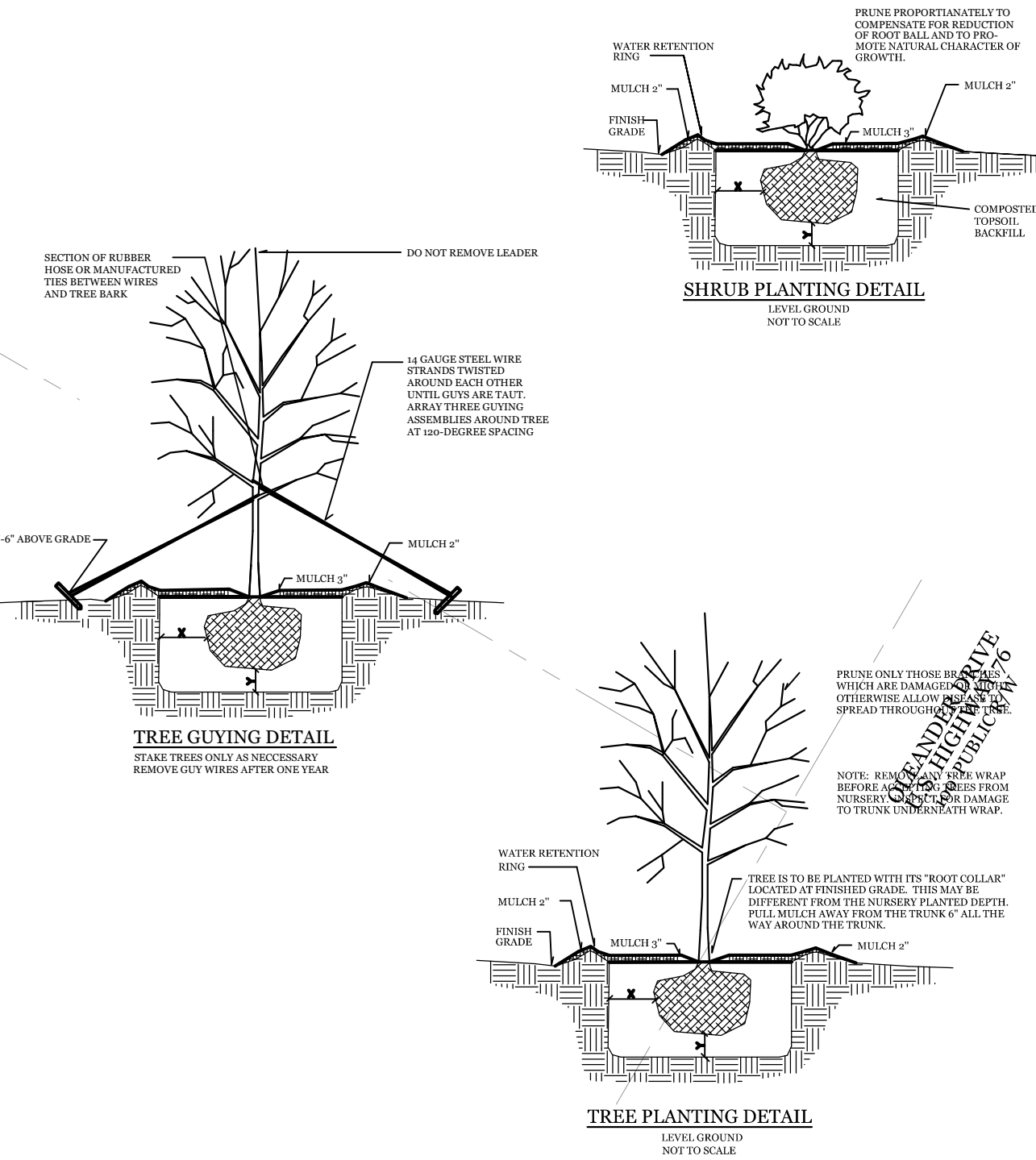
DRAWING NUMBER: C-2



SITE DATA		
PARCEL ID:	R05620-003-002-000	
ZONING:	O&I-1	
CAMA LAND USE CLASSIFICATION:	WATERSHED RESOURCE PROTECTION	
PROJECT ADDRESS	1 LAME AVE. WILMINGTON, NC 28403	
CURRENT OWNERS:	DONRA PET SERVICES LLC (DBA PERKINS GOODBYE HUGS PET CREMATION) P.O. BOX 12873 WILMINGTON, NC 28405	
TOTAL ACREAGE IN PROJECT BOUNDARY	11,761 S.F. (0.27 ACRES)	
LANDSCAPE REQUIREMENTS:	REQUIRED	PROVIDED
PARKING LOT INTERIOR SHADING: EXEMPT (4 OR LESS PARKING SPACES AND LESS THAN 2,500 SF IMPERVIOUS PARKING AREA)		
STREETYARD: (70' - 45' = 25' X 18)	450 SF	700 SF
CANOPY TREES (450 / 600)	1	2
SHRUBS (450 / 600 X 6)	5	5
FOUNDATION PLANTINGS: (12% OF BLDG FACE ADJ. TO PARKING AREA) 30 LF X 20' FACACE= 600 SF X 12%)	72 SF	80 SF
TREE REQUIREMENTS PER DISTURBED ACRE: 0.27 ACRES DISTURBED X 15 TREES=	4 TREES	4 TREES (2 PLANTED & 2 PRESERVED)

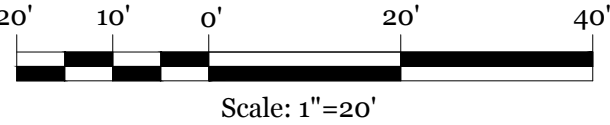
- NOTE:
- THIS WORK INCLUDES, BUT IS NOT LIMITED TO THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, FINAL GRADING, SEEDING, SOIL AMENDMENTS, ETC., AS MAY BE REQUIRED FOR A COMPLETE INSTALLATION.
 - ALL PLANT MATERIALS SHALL BE INSTALLED USING GOOD HORTICULTURAL PRACTICES IN ACCORDANCE WITH THE PLANS AND DETAILS.
 - TREE LOCATIONS SHOWN ON PLAN MAY REQUIRE ADJUSTMENT IN THE FIELD, WHENEVER FEASIBLE, TREES SHOULD BE PLANTED A MINIMUM OF TEN (10) FEET FROM ALL UNDERGROUND UTILITIES, STREETLIGHTS, HYDRANTS, AND OUT OF DRAINAGE FLOW LINES. SHOULD THIS NOT BE POSSIBLE, CONTACT THE ENGINEER FOR DECISION ON PLACEMENT.
 - ALL TREES IN TURF AREAS SHALL HAVE 12" MIN. CLR. CIRCUMFERENCE AROUND THE TRUNK BASE. PROVIDE 2" MIN. THK. MULCH AT BASE OF TRUNK.
 - MATURE PLANTINGS SHALL NOT INTERFERE WITH UTILITIES AND TRAFFIC SIGHT LINES.
 - ALL LANDSCAPED ISLANDS AND BEDS TO BE STABILIZED WITH MIN. 3" LAYER OF HARDWOOD MULCH.
 - ALL AREAS OF STREETYARD OUTSIDE OF PLANTED BEDS TO BE SODDED TO MATCH GRASS VARIETY WITHIN THE STREETYARD OF ADJACENT LANDROVER-JAGUAR DEALERSHIP.
 - PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES.
 - NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 - TREE PROTECTION SIGNAGE SHALL BE ADDED ALONG THE LIMITS OF DISTURBANCE ADJACENT TO TREES EVERY 100' TO PROTECT TREES ADJACENT TO THE CONSTRUCTION SITE.

- DEVELOPMENT NOTES:
- ALL DEVELOPMENT SHALL BE IN ACCORDANCE WITH CITY OF WILMINGTON ZONING ORDINANCE.
 - PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE & CITY OF WILMINGTON REGULATIONS.

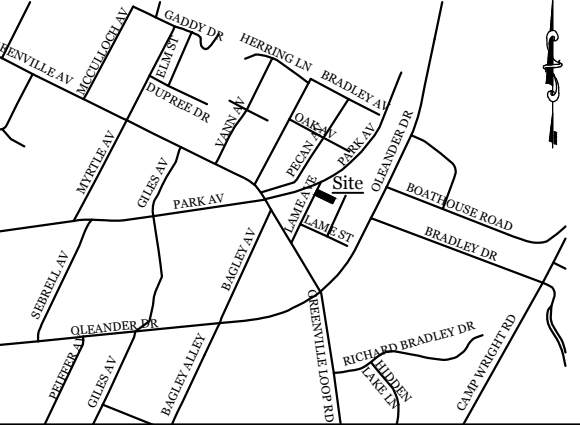


PROPOSED LANDSCAPE PLANT LIST					
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	TYPE	MIN. SIZE
①	2	QUERCUS VIRGINIANA	LIVE OAK	SHADE TREE	2.5" CAL.
②	5	RAPHIOLEPIS INDICA	WHITE INDIAN HAWTHORNE	SHRUB	1 GAL. (12" MIN. HEIGHT)
③	3	ABELIA X GRANDIFLORA	GLOSSY ABELIA	SHRUB	1 GAL. (12" MIN. HEIGHT)
④	6	JUNIPERUS HORIZONTALIS	CREEPING JUNIPER	GROUND COVER	1 GAL.
⑤	7	ABELIA X GRANDIFLORA	GLOSSY ABELIA	SHRUB	5 GAL. (3' MIN. HEIGHT)

LEGEND			
---	PROPERTY LINE	---	EASEMENT
---	CENTER LINE	---	EXISTING WATERLINE
---	EXISTING WATERLINE	---	EXISTING SANITARY SEWER LINE
---	FOUNDATION PLANTINGS	---	STREETYARD LANDSCAPING



VICINITY MAP (NOT TO SCALE):

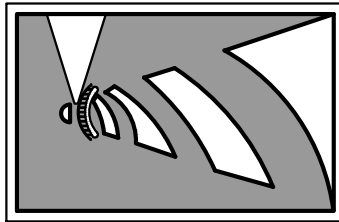


REVISIONS

NO.	DESCRIPTION	DATE

INTRACOASTAL
ENGINEERING, PLLC

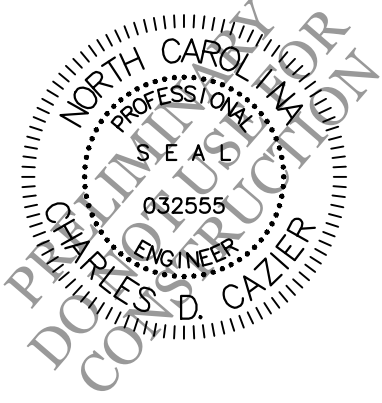
5725 Oleander Dr. Unit E-7
Wilmington, North Carolina 28403
Phone: 910.859.8983
Email: charlie@intracoastalengineering.com
License Number P-0662



LANDSCAPE PLAN

FOR
PERKINS GOODBYE HUGS
PET CREMATION

WILMINGTON, NORTH CAROLINA

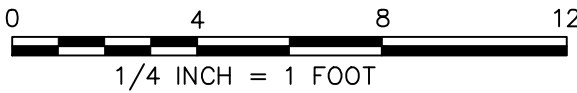


CLIENT INFORMATION:
DONRA PET SERVICES, LLC
P.O. BOX 12873
WILMINGTON, NC 28405

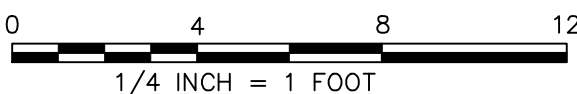
DRAWN:	JAE	SHEET SIZE:	24 X 36
CHECKED:	CDC	DATE:	12/22/2021
APPROVED:	CDC	SCALE:	1" = 20'
PROJECT NUMBER:	2021-038		



1 FRONT ELEVATION
1/4 INCH = 1 FOOT



2 SIDE ELEVATION
1/4 INCH = 1 FOOT



**CAPE FEAR
ENGINEERING**
151 Poole Rd., Suite 100, Belville, NC, 28451
TEL (910) 383-1044; FAX (910) 383-1045
www.capefearengineering.com
N.C. LICENSE # C-1621

WORK ORDER NUMBER:	PO148061
SCALE:	AS SHOWN
DATE:	2021-09-27

SCHEME 1

PERKINS GOODBYE HUGS PET
CREAMATION

PROJECT NUMBER	SHEET NUMBER
553-419	A----