**SITE DATA:**

OWNER SANDY POND ENTERPRISES, LLC  
ADDRESS 51 VICKERS ROAD  
CHAPEL HILL, NC 27517  
PHONE NUMBER 919-992-6330  
SITE DESIGNER: BOBBITT DESIGN-BUILD, INC  
ATTN: BLAIR PITTMAN, PE (24438)  
600 GERMANTOWN ROAD  
RALEIGH, NC 27607  
(919)-851-1980  
9775-43-9471  
TAX MAP OR PIN NUMBER 4.7 ACRES  
TOTAL SITE ACREAGE 0.41 ACRES (17,847SF)  
DISTURBED/DENUDED AREA CU B-1  
ZONING VETERINARY HOSPITAL WITH KENNEL  
EXISTING BUILDING USE KENNEL  
PROPOSED BUILDING #2 USE  $\pm 3,500$ SF  
PROPOSED BUILDING #2 AREA  $\pm 21'-0"$   
PROPOSED BUILDING #2 HEIGHT

**EXISTING IMPERVIOUS AREA:**

BUILDING	$\pm 8,032$ SF
PAVEMENT	
PARKING AREA	$\pm 13,287$ SF
SIDEWALK	$\pm 2,069$ SF
TOTAL -	$\pm 23,388$ SF (0.54 ACRES)
PERCENT IMPERVIOUS (EXISTING)	11.48%

**PROPOSED IMPERVIOUS AREA:**

BUILDING #2:	$\pm 3,500$ SF
PAVEMENT	
PARKING AREA	N/A
SIDEWALK	$\pm 1,482$ SF
TOTAL -	$\pm 4,982$ SF (0.11 ACRES)
PERCENT IMPERVIOUS (PROPOSED)	2.34%

TOTAL EXISTING & PROPOSED IMPERVIOUS AREA: 13.82%

**LANDSCAPE BUFFERS:**

FRONT	15' STREETYARD BUFFER
SIDE	15' LANDSCAPE BUFFER
REAR	15' LANDSCAPE BUFFER

**BUILDING SETBACKS:**

FRONT	50'
SIDE	20'
REAR	20'

**PARKING:**

REQUIRED = 14 SPACES

(7 SP/1 DOCTOR)

EXISTING (INCLUDES HANDICAP SPACES) = 28 SPACES

HANDICAP SPACES REQUIRED/EXISTING = 2 SPACES

**INDEX OF SHEETS**

SHEET NUMBER	DESCRIPTION
C0.0	COVER SHEET
C0.1	EXISTING CONDITIONS
C1.0	STAKING PLAN
C2.0	RESERVED
C3.0	GRADING PLAN /EROSION CONTROL PLAN
C4.0	UTILITY PLAN
C5.0	LANDSCAPE
C6.0	RESERVED
C7.0	DETAIL SHEET
A1	ARCHITECTURAL FLOOR PLAN & ELEVATION

BOUNDARY, SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY  
NIALL GILLESPIE, PLS., GREEN LEVEL ROAD, APEX, NC  
TELEPHONE NUMBER: 919.387.0208 DATED: APRIL 11, 2011.

PROPERTY FALLS WITHIN WATERSHED CLASSIFICATION WS-IV PA

**NOTE:**

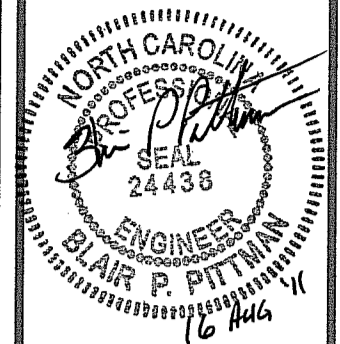
1. DISTURBED AREA FOR THIS PROJECT IS LESS THEN 20,000SF; THEREFORE PER SECTION 10 OF THE CHATHAM COUNTY SOIL, EROSION AND SEDIMENTATION CONTROL ORDINANCE, NO PERMIT IS REQUIRED. EROSION AND SEDIMENTATION CONTROL IS PROPOSED FOR THIS PROJECT SEE SHEET C3.0 FOR LOCATIONS.

2. PER SECTION 103 (A) OF THE CHATHAM COUNTY STORMWATER ORDINANCE, THIS PROJECT IS EXEMPT FROM ANY ADDITIONAL STORMWATER CONTROL DEVICES.

**PROJECT NARATIVE:**

THIS PROJECT CONSISTS OF A PROPOSED  $\pm 3,500$ SF BUILDING. THE EXISTING LOT IS PARTIALLY WOODED WITH AN EXISTING  $\pm 8,000$ SF VETERINARY HOSPITAL BUILDING AND ASSOCIATED PARKING. THIS BUILDING #2 CONSTRUCTION WILL DEVELOP APPROXIMATELY 0.41 ACRES OF THE 4.7 ACRE PROPERTY.

think, design, build



COORDINATOR:  
BLAIR PITTMAN

DRAWN BY:  
JOHN BENTON

CHK BY: BPP

**DOGWOOD VETERINARY HOSPITAL**  
51 VICKERS ROAD  
CHATHAM COUNTY, NORTH CAROLINA

24 X 36

01 AUG 11

1960-0089

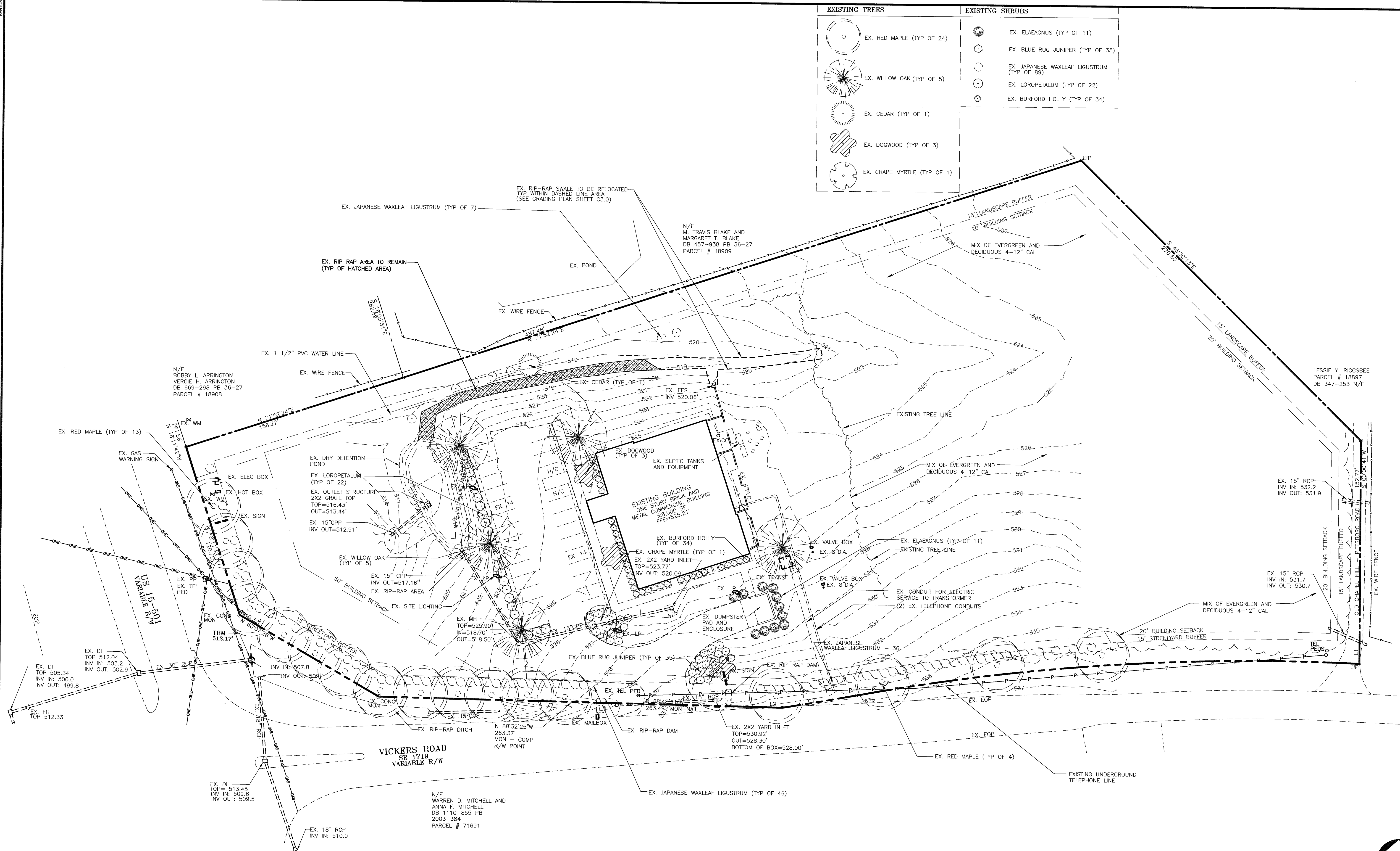
COVER  
SHEET

**C0.0**


REVISIONS			
No.	DATE	DESCRIPTION	REV. BY
△	16 AUG 11	ADDED LAND DISTURBING NOTE & STORMWATER NOTE	JEB
△			
△			
△			

**APPROVED FOR  
PERMITTING**

**DOGWOOD VETERINARY HOSPITAL BUILDING #2**  
**SITE PLANS**



**APPROVED FOR  
PERMITTING**

			
REVISONS			
No.	DATE	DESCRIPTION	REV. BY
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△			
△			
△			

**think, design, build**

**BOBBITT**  
**DESIGN • BUILD**

600 Germantown Road | Raleigh, North Carolina 27607  
Ph (919) 851-1980 | Fx (919) 851-1982 | [design@bobbitt.com](mailto:design@bobbitt.com)

**COORDINATOR:**  
**BLAIR PITTMAN**

**DRAWN BY:**  
**JOHN BENTON**

CHK BY: BPP

**DOGWOOD VETERINARY HOSPITAL**  
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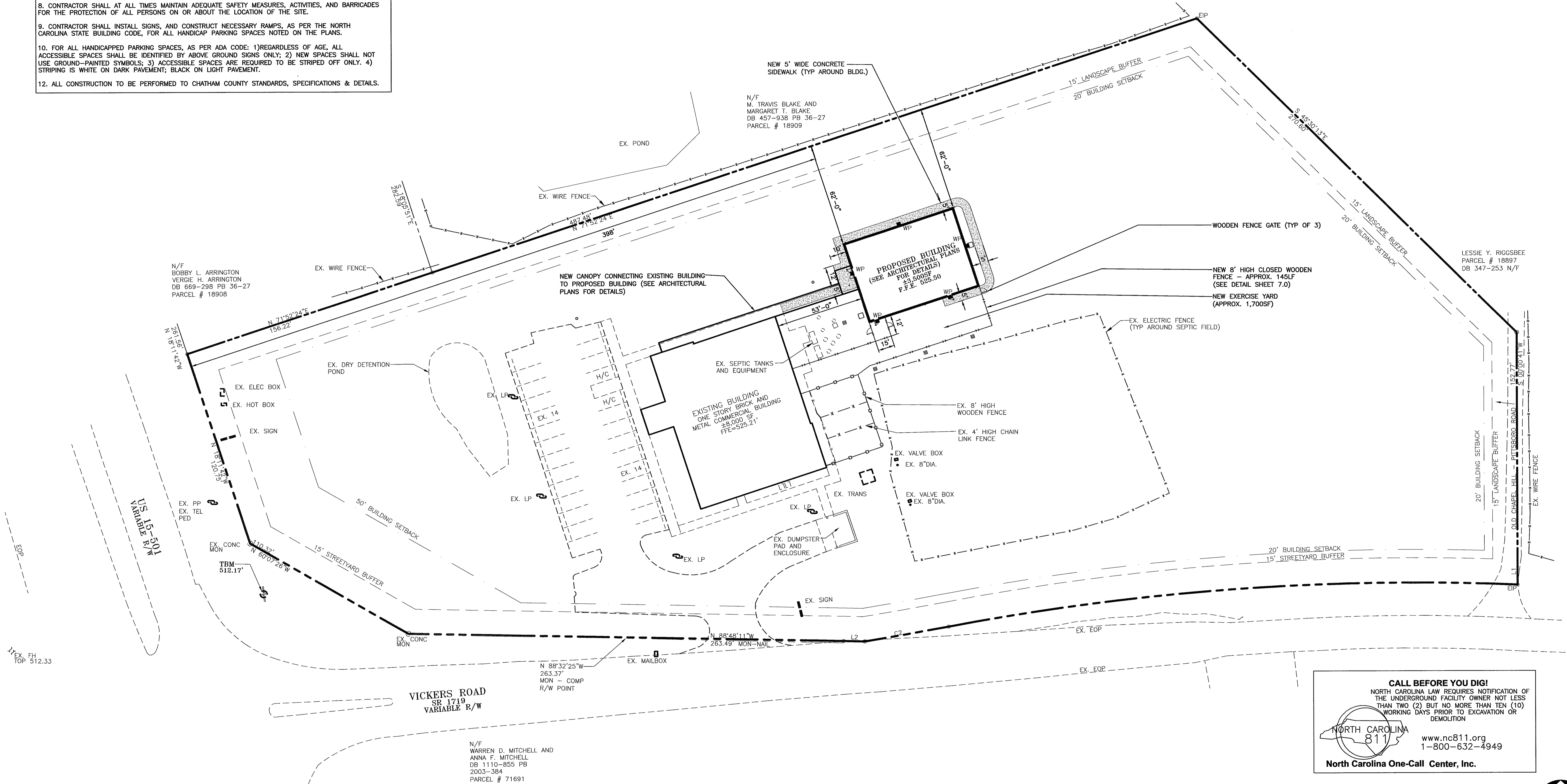
960-0096

### EXISTING CONDITIONS

C0.1

GENERAL NOTES: STAKING PLAN

- BOUNDARY, SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY NIAL GILLESPIE, PLS. GREEN LEVEL ROAD, APEX, NC TELEPHONE NUMBER: 919.387.0208 DATED: APRIL 11, 2011.
- ALL DENUDED AREAS TO BE PERMANENTLY SEEDED.
- CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR CONSTRUCTION SHOWN ON THESE PLANS.
- ALL DIMENSIONS AND STAKING POINT LOCATIONS ARE TO BACK OF CURB/EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ANY WORK SHOWN ON THESE PLANS THAT IS FOUND TO BE IN CONFLICT WITH LOCAL ZONING SETBACK REQUIREMENTS SHALL BE IMMEDIATELY REPORTED TO THE CIVIL ENGINEER FOR ADJUSTMENT.
- LOCATIONS FOR EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE, CONTRACTOR SHALL CALL UTILITY LOCATOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES.
- CONTRACTOR SHALL AT ALL TIMES MAINTAIN ADEQUATE SAFETY MEASURES, ACTIVITIES, AND BARRICADES FOR THE PROTECTION OF ALL PERSONS ON OR ABOUT THE LOCATION OF THE SITE.
- CONTRACTOR SHALL INSTALL SIGNS, AND CONSTRUCT NECESSARY RAMPS, AS PER THE NORTH CAROLINA STATE BUILDING CODE, FOR ALL HANDICAP PARKING SPACES NOTED ON THE PLANS.
- FOR ALL HANDICAPPED PARKING SPACES, AS PER ADA CODE: 1) REGARDLESS OF AGE, ALL ACCESSIBLE SPACES SHALL BE IDENTIFIED BY ABOVE GROUND SIGNS ONLY; 2) NEW SPACES SHALL NOT USE GROUND-PAINTED SYMBOLS; 3) ACCESSIBLE SPACES ARE REQUIRED TO BE STRIPED OFF ONLY. 4) STRIPING IS WHITE ON DARK PAVEMENT; BLACK ON LIGHT PAVEMENT.
- ALL CONSTRUCTION TO BE PERFORMED TO CHATHAM COUNTY STANDARDS, SPECIFICATIONS & DETAILS.



SYMBOL LEGEND	
EXISTING	PROPOSED
LIGHT POLE	□
WATER METER	○
SANITARY SEWER MANHOLE	⊙
CLEAN OUT	●
POWER POLE	⊕
FIRE HYDRANT	⊕
WATER VALVE	⊕
BLOWOFF ASSEMBLY	⊕
TEMPORARY BENCHMARK	⊕
EXISTING OVERHEAD ELECTRIC	—
EX. SANITARY SEWER	—
EX. WATER LINE	—

CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
C 1	12°55'56"	1532.65'	345.94'	173.71'	345.20'	S 85°58'03"W
C 2	01°22'53"	2136.74'	51.51'	25.76'	51.51'	S 80°09'31"W
C 3	12°52'26"	1527.89'	343.30'	172.38'	342.58'	N 87°10'53"E
C 4	12°52'14"	1472.65'	330.81'	166.10'	330.11'	S 85°54'12"W
C 5	08°43'08"	2196.74'	334.28'	167.46'	333.96'	S 83°49'39"W
LINE	BEARING	DISTANCE				
L 1	S 00°00'41"W	0.35' (COMP R/W POINT TO EIP)				
L 2	N 88°48'11"W	12.86'				
L 3	N 18°11'42"W	11.46'				
L 4	S 06°56'45"W	1.21' (COMP R/W POINT TO R/W NAIL)				
L 5	S 18°11'39"E	3.87'				

FLOODPLAIN INFORMATION  
THIS SITE IS NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS AS SHOWN ON FIRM PANEL 3710977500 J DATED 2 FEB 2007

CALL BEFORE YOU DIG!  
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION.  
www.nc811.org  
1-800-632-4949  
North Carolina One-Call Center, Inc.

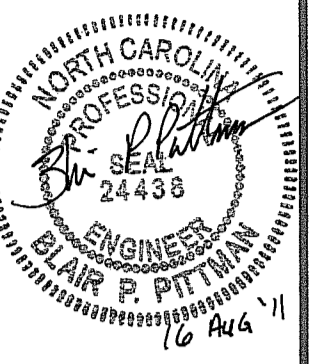
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REVISIONS

No.	DATE	DESCRIPTION	REV. BY
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△			
△			

APPROVED FOR PERMITTING

think, design, build



**BOBBITT**  
DESIGN-BUILD  
800 Germantown Road | Raleigh, North Carolina 27607  
Ph: (919) 651-1860 | Fax: (919) 651-1862 | bobbitt@bobbitt.com

COORDINATOR: BLAIR PITTMAN

DRAWN BY: JOHN BENTON

CHK BY: BPP

**DOGWOOD VETERINARY HOSPITAL**  
51 VICKERS ROAD  
CHATHAM COUNTY, NORTH CAROLINA

24 X 36  
1" = 30'

01 AUG 11

1960-0096

STAKING PLAN

C1.0

CONSTRUCTION SEQUENCE:

1. INSTALL TEMPORARY TREE PROTECTION FENCING & COMBINATION TEMPORARY SILT AND TREE PROTECTION FENCE AS SHOWN ON PLANS PRIOR TO ANY SITE WORK (CLEARING, GRUBBING, GRADING, OR EXCAVATION).
2. COORDINATE UTILITY LOCATIONS WITH SERVICE PROVIDERS
3. BEGIN CLEARING, GRUBBING, AND GRADING OF THE CONSTRUCTION AREAS INDICATED.
4. INSTALL STORM CONVEYANCE STRUCTURES WITH ROCK PIPE INLET PROTECTION AS AREAS ARE BROUGHT TO ROUGH GRADE.
5. VISUALLY INSPECT ALL PIPES FOR SEDIMENTATION IN STORMWATER COLLECTION SYSTEM, AFTER EACH RAINFALL EVENT, CLEANING AND MAINTAINING AS REQUIRED.
6. STABILIZE DENUDED AREAS AS THEY ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, ETC. DENUDED AREAS TO BE STABILIZED WITH TEMPORARY SEEDING WITHIN 21 CALENDAR DAYS OF SUSPENSION OF ANY PHASE OF ACTIVE GRADING. PERMANENT GROUND COVER TO BE INSTALLED WITHIN 15 DAYS OR 30 CALENDAR DAYS OF COMPLETION OF CONSTRUCTION (WHICH EVER IS SHORTER). PERMANENT GROUND COVER ON SLOPES TO BE INSTALLED WITHIN 21 CALENDAR DAYS.
7. INSPECT ALL EROSION CONTROL DEVICES WEEKLY AND AFTER EVERY RAINFALL EXCEEDING 1/2" FOR PROPER OPERATION. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND PLACED IN A DESIGNATED SPOIL DISPOSAL AREA. MAKE REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE.
8. COMPLETE ALL SITE IMPROVEMENTS.
9. ONCE SITE IMPROVEMENTS ARE COMPLETE, AND SITE IS STABILIZED, BEGIN REMOVAL OF TEMPORARY SEDIMENT CONTROL DEVICES.
10. AFTER RIP-RAP SWALE IS STABILIZED, REPAIR AND STABILIZE ALL DISTURBED AREAS TO FINISH GRADES.

NOTE: AT COMPLETION OF PROJECT, GRADING CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SEDIMENT ACCUMULATION IN PERMANENT DRY DETENTION POND AND RE-SEEDING WITH PERMANENT GRASS SEED.

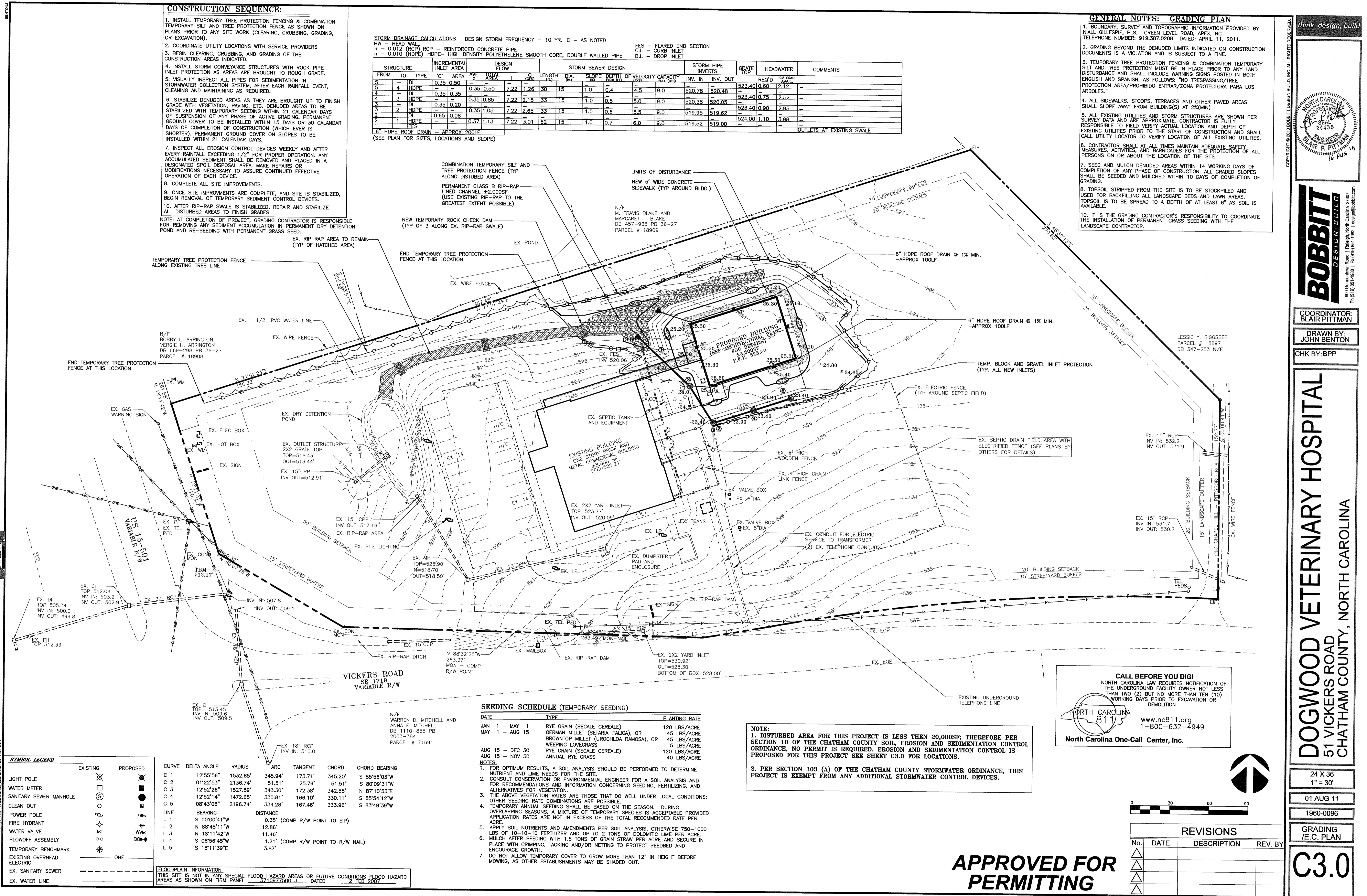
STORM DRAINAGE CALCULATIONS DESIGN STORM FREQUENCY - 10 YR. C - AS NOTED

STRUCTURE	INCREMENTAL INLET AREA	DESIGN FLOW	STORM SEWER DESIGN	STORM PIPE INVERTS	GRATE TOP	HEADWATER	COMMENTS
FROM	TO	C	AREA	VELOCITY	DEPTH	VELOCITY	CAPACITY
1	2	0.012	0.35	0.50	7.22	1.26	30
2	3	0.012	0.35	0.85	7.22	2.15	33
3	4	0.012	0.35	1.05	7.22	2.65	33
4	5	0.012	0.37	1.13	7.22	3.01	52

FES - FLARED END SECTION  
C.I. - CURB INLET  
D.I. - DROP INLET

GENERAL NOTES: GRADING PLAN

1. BOUNDARY, SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY NIAL GILLESPIE, PLS., GREEN LEVEL ROAD, APEX, NC. TELEPHONE NUMBER: 919.387.0208 DATED: APRIL 11, 2011.
2. GRADING BEYOND THE DENUDED LIMITS INDICATED ON CONSTRUCTION DOCUMENTS IS A VIOLATION AND IS SUBJECT TO A FINE.
3. TEMPORARY TREE PROTECTION FENCING & COMBINATION TEMPORARY SILT AND TREE PROTECTION MUST BE IN PLACE PRIOR TO ANY LAND DISTURBANCE AND SHALL INCLUDE WARNING SIGNS POSTED IN BOTH ENGLISH AND SPANISH AS FOLLOWS: "NO TRESPASSING/TREE PROTECTION AREA/PROHIBIDO ENTRAR/ZONA PROTECTORA PARA LOS ARBOLES."
4. ALL SIDEWALKS, STOOPS, TERRACES AND OTHER PAVED AREAS SHALL SLOPE AWAY FROM BUILDING(S) AT 2%(MIN)
5. ALL EXISTING UTILITIES AND STORM STRUCTURES ARE SHOWN PER SURVEY DATA AND ARE APPROXIMATE. CONTRACTOR IS FULLY RESPONSIBLE TO FIELD VERIFY ACTUAL LOCATION AND DEPTH OF EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION AND SHALL CALL UTILITY LOCATOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.
6. CONTRACTOR SHALL AT ALL TIMES MAINTAIN ADEQUATE SAFETY MEASURES, ACTIVITIES, AND BARRICADES FOR THE PROTECTION OF ALL PERSONS ON OR ABOUT THE LOCATION OF THE SITE.
7. SEED AND MULCH DENUDED AREAS WITHIN 14 WORKING DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION. ALL GRADED SLOPES SHALL BE SEED AND MULCHED WITHIN 10 DAYS OF COMPLETION OF GRADING.
8. TOPSOIL STRIPPED FROM THE SITE IS TO BE STOCKPILED AND USED FOR BACKFILLING ALL LANDSCAPE BEDS AND LAWN AREAS. TOPSOIL IS TO BE SPREAD TO A DEPTH OF AT LEAST 6" AS SOIL IS AVAILABLE.
10. IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF PERMANENT GRASS SEEDING WITH THE LANDSCAPE CONTRACTOR.



**SYMBOL LEGEND**

EXISTING	PROPOSED
LIGHT POLE	⊗
WATER METER	⊠
SANITARY SEWER MANHOLE	⊙
CLEAN OUT	⊖
POWER POLE	⊕
FIRE HYDRANT	⊙
WATER VALVE	⊕
BLOWOFF ASSEMBLY	⊕
TEMPORARY BENCHMARK	⊕
EXISTING OVERHEAD ELECTRIC	—
EX. SANITARY SEWER	---
EX. WATER LINE	---

**CURVE DATA**

CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
C 1	12°55'56"	1532.65'	345.94'	173.71'	345.20'	S 85°56'03"W
C 2	01°22'53"	2136.74'	51.51'	25.76'	51.51'	S 80°08'31"W
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C 5	08°43'08"	2196.74'	334.28'	167.46'	333.96'	S 83°49'39"W

**LINE BEARING**

LINE	BEARING	DISTANCE
L 1	S 00°00'41"W	0.35' (COMP R/W POINT TO EIP)
L 2	N 88°48'11"W	12.86'
L 3	N 18°11'42"W	11.46'
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L 5	S 18°11'39"E	3.87'

**FLOODPLAIN INFORMATION**  
THIS SITE IS NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS AS SHOWN ON FIRM PANEL 3210872500 J DATED 2-FEB-2007

SEEDING SCHEDULE (TEMPORARY SEEDING)

DATE	TYPE	PLANTING RATE
JAN 1 - MAY 1	RYE GRASS (SECALE CEREALE)	120 LBS/ACRE
MAY 1 - AUG 15	GERMAN MILLET (SETARIA ITALICA), OR BROWNTOP MILLET (UROCHLOA RAMOSA), OR WEEPING LOVEGRASS	45 LBS/ACRE
AUG 15 - DEC 30	RYE GRASS (SECALE CEREALE)	120 LBS/ACRE
AUG 15 - NOV 30	ANNUAL RYE GRASS	40 LBS/ACRE

- NOTES:**
1. FOR OPTIMUM RESULTS, A SOIL ANALYSIS SHOULD BE PERFORMED TO DETERMINE NUTRIENT AND LIME NEEDS FOR THE SITE.
  2. CONSULT CONSERVATION OR ENVIRONMENTAL ENGINEER FOR A SOIL ANALYSIS AND FOR RECOMMENDATIONS AND INFORMATION CONCERNING SEEDING, FERTILIZING, AND ALTERNATIVES FOR VEGETATION.
  3. THE ABOVE VEGETATION RATES ARE THOSE THAT DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.
  4. TEMPORARY ANNUAL SEEDING SHALL BE BASED ON THE SEASON. DURING OVERLAPPING SEASONS, A MIXTURE OF TEMPORARY SPECIES IS ACCEPTABLE PROVIDED APPLICATION RATES ARE NOT IN EXCESS OF THE TOTAL RECOMMENDED RATE PER ACRE.
  5. APPLY SOIL NUTRIENTS AND AMENDMENTS PER SOIL ANALYSIS, OTHERWISE 750-1000 LBS OF 10-10-10 FERTILIZER AND UP TO 2 TONS OF DOLOMITIC LIME PER ACRE.
  6. MULCH AFTER SEEDING WITH 1.5 TONS OF GRAIN STRAW PER ACRE AND SECURE IN PLACE WITH CRIMPING, TACKING AND/OR NETTING TO PROTECT SEEDBED AND ENCOURAGE GROWTH.
  7. DO NOT ALLOW TEMPORARY COVER TO GROW MORE THAN 12" IN HEIGHT BEFORE MOWING, AS OTHER ESTABLISHMENTS MAY BE SHADED OUT.

**NOTE:**

1. DISTURBED AREA FOR THIS PROJECT IS LESS THEN 20,000SF. THEREFORE PER SECTION 10 OF THE CHATHAM COUNTY SOIL, EROSION AND SEDIMENTATION CONTROL ORDINANCE, NO PERMIT IS REQUIRED. EROSION AND SEDIMENTATION CONTROL IS PROPOSED FOR THIS PROJECT SEE SHEET C3.0 FOR LOCATIONS.

2. PER SECTION 103 (A) OF THE CHATHAM COUNTY STORMWATER ORDINANCE, THIS PROJECT IS EXEMPT FROM ANY ADDITIONAL STORMWATER CONTROL DEVICES.

**CALL BEFORE YOU DIG!**  
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION

**North Carolina One-Call Center, Inc.**  
www.nc811.org  
1-800-632-4949

**REVISIONS**

No.	DATE	DESCRIPTION	REV. BY

**APPROVED FOR PERMITTING**

think, design, build

**BOBBITT DESIGN-BUILD**  
600 Germantown Road | Raleigh, North Carolina 27607  
Ph (919) 851-1980 | Fax (919) 851-1982 | design@bobbitt.com

**COORDINATOR:** BLAIR PITTMAN  
**DRAWN BY:** JOHN BENTON  
**CHK BY:** BPP

**DOGWOOD VETERINARY HOSPITAL**  
51 VICKERS ROAD  
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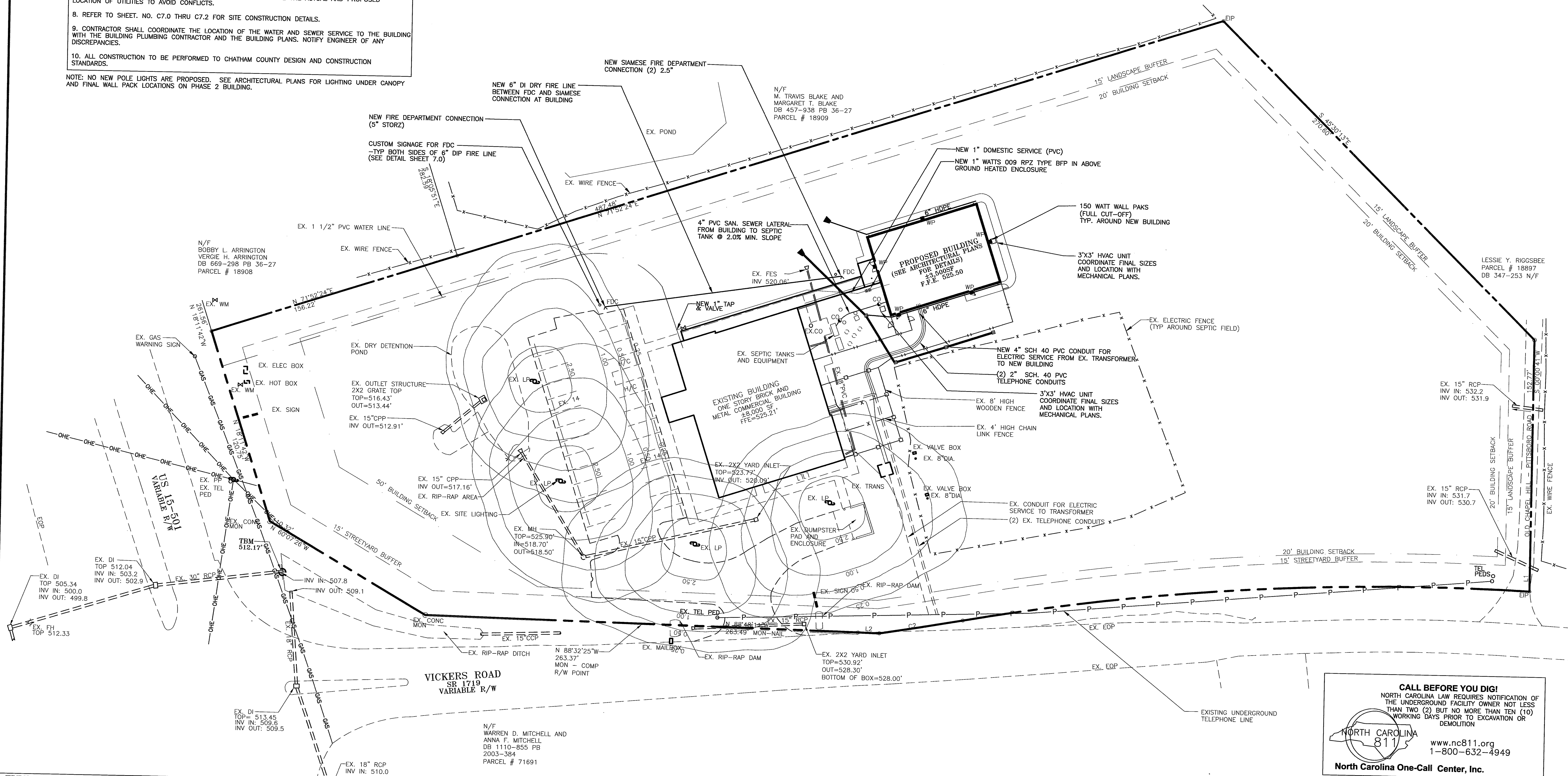
GRADING  
/E.C. PLAN

**C3.0**

# GENERAL NOTES: UTILITY PLAN

- BOUNDARY, SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY NIAL GILLESPIE, PLS., GREEN LEVEL ROAD, APEX, NC TELEPHONE NUMBER: 919.387.0208 DATED: APRIL 11, 2011.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CHATHAM COUNTY AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ELECTRIC, GAS, AND TELEPHONE SERVICE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF THE CONDUITS NECESSARY FOR THE SITE LIGHTING, AND SIGNAGE PRIOR TO BEGINNING CONSTRUCTION.
- THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL AND PROPOSED LOCATION OF UTILITIES TO AVOID CONFLICTS.
- REFER TO SHEET, NO. C7.0 THRU C7.2 FOR SITE CONSTRUCTION DETAILS.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF THE WATER AND SEWER SERVICE TO THE BUILDING WITH THE BUILDING PLUMBING CONTRACTOR AND THE BUILDING PLANS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL CONSTRUCTION TO BE PERFORMED TO CHATHAM COUNTY DESIGN AND CONSTRUCTION STANDARDS.

NOTE: NO NEW POLE LIGHTS ARE PROPOSED. SEE ARCHITECTURAL PLANS FOR LIGHTING UNDER CANOPY AND FINAL WALL PACK LOCATIONS ON PHASE 2 BUILDING.



**SYMBOL LEGEND**

EXISTING	PROPOSED
Light Pole	Light Pole
Water Meter	Water Meter
Sanitary Sewer Manhole	Sanitary Sewer Manhole
Clean Out	Clean Out
Power Pole	Power Pole
Fire Hydrant	Fire Hydrant
Water Valve	Water Valve
Blowoff Assembly	Blowoff Assembly
Temporary Benchmark	Temporary Benchmark
Existing Overhead Electric	Existing Overhead Electric
Ex. Sanitary Sewer	Ex. Sanitary Sewer
Ex. Water Line	Ex. Water Line

CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
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 1-800-632-4949  
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**APPROVED FOR PERMITTING**



**REVISIONS**

No.	DATE	DESCRIPTION	REV. BY

think, design, build

**BOBBITT DESIGN-BUILD**

COORDINATOR: BLAIR PITTMAN  
 DRAWN BY: JOHN BENTON  
 CHK BY: BPP

**DOGWOOD VETERINARY HOSPITAL**  
 51 VICKERS ROAD  
 CHATHAM COUNTY, NORTH CAROLINA

24 X 36  
 1" = 30'

01 AUG 11  
 1960-0096  
 UTILITY PLAN  
**C4.0**

## GENERAL NOTES: LANDSCAPE PLAN

1. BOUNDARY, SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY NALL GILLESPIE, PLS., GREEN LEVEL ROAD, APEX, NC. TELEPHONE NUMBER: 919.387.0208 DATED: APRIL 11, 2011.

2. THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION RELATING TO GRADING, REFER TO GRADING PLAN.

3. VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

4. ALL PLANTS AND PLANTING PROCEDURES SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN LATEST EDITION.

5. ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.

6. ALL TREES AND SHRUBS SHALL BE FULL-WELL BRANCHED PLANTS WHICH ARE CHARACTERISTIC OF THE SPECIES.

7. ALL GRASS IS TO BE ARIE ESCUE, OR BETTER QUALITY.

8. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.

9. REMOVE ALL STRING AND WIRE FROM BASE OF ALL PLANT MATERIAL.

10. MULCH ALL BEDS WITH 3" OF CLEAN PINE NEEDLES, UNLESS OTHERWISE NOTED.

11. ALL AREAS NOT COVERED WITH PAVING, GRAVEL, BUILDINGS OR PLANTING BEDS SHALL BE SEED,ED.

12. LAWN AREAS SHALL BE RAKED TO REMOVE ROCKS, STICKS, ROOTS AND OTHER TRASH AND DEBRIS AND SHALL BE SMOOTH FOR EASE OF MOWING.

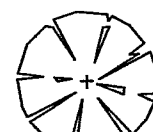
13. ALL PLANTINGS OF TREES & SHRUBS SHALL BE A MINIMUM OF 3' BEHIND ALL CURBS. NO CURB AND GUTTER IS PROPOSED BORDERING PARKING SPACES. WHEEL STOPS MUST BE PROVIDED TO PREVENT DAMAGE TO PLANT MATERIAL.

14. IN CHATHAM COUNTY, THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR SCREENING ALL ABOVE GROUND UTILITIES SUCH AS BACKFLOW PREVENTERS AND HVAC UNITS.

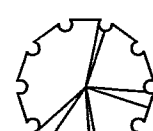
15. IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF PERMANENT SOD AND SEEDING WITH LANDSCAPE CONTRACTOR.

NOTE: CONTRACTOR IS RESPONSIBLE TO SUPPLY /PRICE GATOR BAG OR AN EQUAL ALTERNATE AS DEEMED NECESSARY FOR PLANT SURVIVAL.

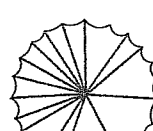
## PLANT KEY



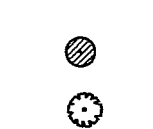
CAROLINA SAPPHIRE CYPRESS  
(ARIZONA CYPRESS)



NELLIE STEVENS HOLLY



KETELEER JUNIPER



JAPANESE WAXLEAF LIGUSTRUM

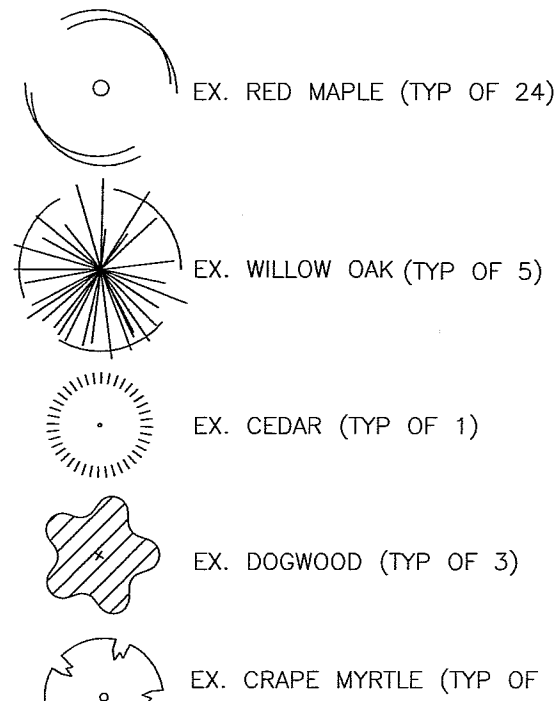


LOROPETALUM

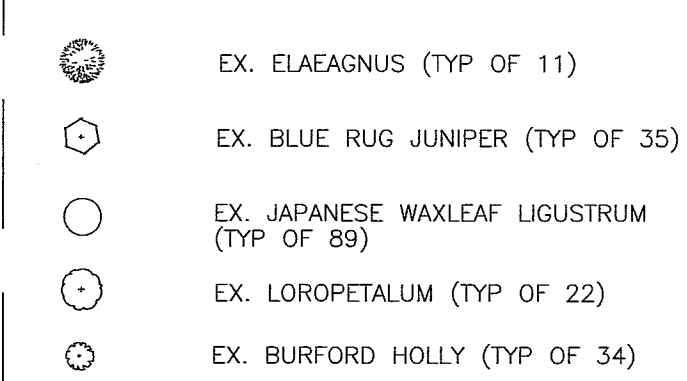
## PROPOSED PLANT LIST

QTY	BOTANICAL NAME	COMMON NAME	ROOT	CAL	HT	COMMENTS
LARGE EVERGREEN SHRUB:						
6	CUPRESSUS ARIZONICA (CAROLINA SAPPHIRE)	CAROLINA SAPPHIRE CYPRESS (ARIZONA CYPRESS)	CONT.	10 GAL.	4'	BUFFER REQUIREMENT /SCREEN
6	ILEX X 'NELLIE STEVENS'	NELLIE STEVENS HOLLY	CONT.	10 GAL.	4'	BUFFER REQUIREMENT /SCREEN
3	JUNIPERUS CHINENSIS 'KETELEER'	KETELEER JUNIPER	CONT.	10 GAL.	4'	BUFFER REQUIREMENT /SCREEN
MEDIUM EVERGREEN SHRUB:						
28	LIGUSTRUM JAPONICUM	JAPANESE WAXLEAF LIGUSTRUM	CONT.	5 GAL.	24"	BUFFER REQUIREMENT /SCREEN
16	LOROPETALUM CHINENSE 'RUBY'	CHINESE WITCHAZEL	CONT.	5 GAL.	24"	SCREEN
ALL PLANT MATERIAL SHALL CONFORM W/ AMERICAN STANDARD FOR NURSERY STOCK ANSI 260.1						

## EXISTING TREES



## EXISTING SHRUBS



## PLANTING &amp; SEEDBED PREPARATION (PER CHATHAM COUNTY UDO)

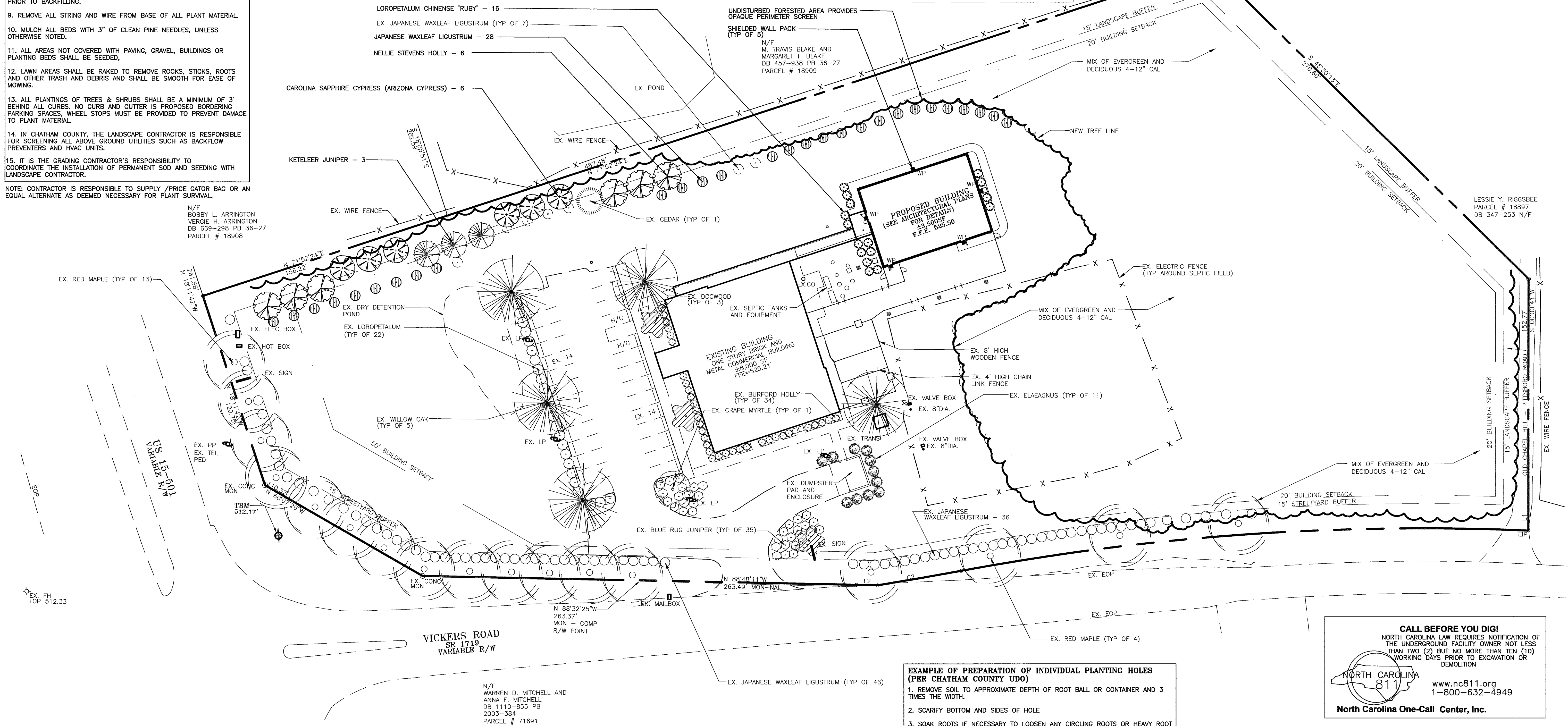
1. PREPARATION OF PLANTING BEDS AND ACTUAL PLANTING TIME WILL BE AFTER EQUIPMENT, UNLOADING OF MATERIALS AND OTHER TRAFFIC IS FINISHED. ADDITIONALLY, DO NOT WORK FROZEN OR SATURATED SOIL, AND DO NOT PLANT DURING PERIODS OF EXTREME DROUGHT AND WATER RESTRICTIONS.

2. PRIOR TO PLANTING, DETERMINE SOIL CHARACTERISTICS SUCH AS SOIL TYPE AND TEXTURE, PH, NUTRIENT AVAILABILITY, AND DRAINAGE.

3. CORRECT ANY DRAINAGE ISSUES AND ADD AMENDMENTS AS NECESSARY. (EXAMPLE OF PREPARATION OF PLANT BED AREAS IN CLAY SOILS)

4. PRIOR TO ADDING AMENDMENTS, ASSURE SUBSURFACE DRAINAGE AND CREATE A TRANSITION LAYER BY:

- DEEP PLOWING TO A MINIMUM OF 12"
- ADD 4" OF SHREDDED PINE BARK AND/OR COMPOST AND AMENDMENTS SUCH AS THE LOWEST SUGGESTED AMOUNT OF ROCK PHOSPHOROUS AND GYPSUM.
- MIX THOROUGHLY
- RAKE OUT PLANT DEBRIS, STICKS, AND STONES 1 1/2" IN ANY DIMENSION AND ANY MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH
- TEST SOIL TO DETERMINE FURTHER FERTILIZER NEEDS AND PH
- SOIL MUST BE FRIABLE AND WEED FREE



## EXAMPLE OF PREPARATION OF INDIVIDUAL PLANTING HOLES (PER CHATHAM COUNTY UDO)

- REMOVE SOIL TO APPROXIMATE DEPTH OF ROOT BALL OR CONTAINER AND 3 TIMES THE WIDTH.
- SCARIFY BOTTOM AND SIDES OF HOLE
- SOAK ROOTS IF NECESSARY TO LOOSEN ANY CIRCLING ROOTS OR HEAVY ROOT MASSES TO PROVIDE MAXIMUM ROOT TO SOIL CONTACT
- PLACE ROOT BALL SUCH THAT THE TRUNK FLARE OR CROWN SITS ABOVE GRADE
- FOR BALLED AND BURLAPPED PLANTS, REMOVE TIES
- FOLD BURLAP AND WIRE BASKET AWAY FROM THE TOP THIRD OF THE ROOT BALL. SYNTHETIC BURLAP MUST BE REMOVED COMPLETELY
- COMPLETELY BREAK UP BACKFILL BEFORE USE
- AFTER PLANTING, CREATE A RING OF NATIVE SOIL AROUND THE ROOT BALL TO RETAIN WATER
- WATER THOROUGHLY
- MULCH TO 1/2 INCH DEPTH AT TRUNK AND TO 2 1/2 TO 3 INCHES BEYOND. 5-6 INCHES IS SUGGESTED FOR PINE STRAW. THESE METHODS ARE SUGGESTED EXAMPLES AND ARE CONSIDERED BEST MANAGEMENT PRACTICES (BMPs). WHATEVER METHOD IS CHOSEN, THE RESULT MUST BE HEALTHY GROWTH WHICH MEETS SCREENING EXPECTATIONS WITHIN THE SPECIFIED TIME LIMIT.

## TREE STAKING (PER CHATHAM COUNTY UDO)

- STAKING TREES IS PERMITTED AT THE DISCRETION OF THE INSTALLER WHO ALSO BEARS RESPONSIBILITY FOR TREE ESTABLISHMENT AND REMOVAL OF STAKES AND GUY WIRES. CONDITIONS FOR WHICH STAKING MAY BE HELPFUL INCLUDE EXPOSURE TO WIND, TREES PLANTED ON SLOPES, LARGE CROWN IN PROPORTION TO ROOTS, DAMAGE TO ROOT BALL DURING INSTALLATION, OR TREES PLANTED IN AREAS WHERE PEOPLE MAY PULL ON THEM OR USE THEM FOR SUPPORT.
- REMOVAL OF STAKING MATERIAL IS THE RESPONSIBILITY OF THE INSTALLER. ALL ROPES, WIRES, STRAPS, OR OTHER MATERIAL ATTACHED TO THE TREE MUST BE ATTACHED IN SUCH A MANNER AS TO AVOID INJURY TO THE TRUNK AND MUST BE REMOVED BEFORE TRUNK GROWTH IS RESTRICTED OR DAMAGED AND NOT MORE THAN ONE YEAR AFTER PLANT INSTALLATION. ANY STAKING SUPPORTS ABOVE GROUND MUST BE REMOVED AT THE SAME TIME. STAKING MATERIAL BELOW GROUND MUST BE REMOVED AT THE SAME TIME UNLESS IT IS BIODEGRADABLE AND REMOVAL WOULD RESULT IN INJURY TO THE TREE.

## SYMBOL LEGEND

EXISTING	PROPOSED
LIGHT POLE	POWER POLE
WATER METER	FIRE HYDRANT
SANITARY SEWER MANHOLE	WATER VALVE
CLEAN OUT	BLOWOFF ASSEMBLY
TEMPORARY BENCHMARK	EXISTING OVERHEAD ELECTRIC
EX. SANITARY SEWER	EX. WATER LINE

CURVE	DELTA ANGLE	RADIUS	ARC	TANGENT	CHORD	CHORD BEARING
C 1	12°55'56"	1532.65'	345.94'	173.71'	345.20'	S 85°56'03"W
C 2	01°22'53"	2136.74'	51.51'	25.76'	51.51'	S 80°09'31"W
C 3	12°52'26"	1527.89'	343.30'	172.38'	342.58'	N 87°10'53"E
C 4	12°52'14"	1472.65'	330.81'	166.10'	330.11'	S 85°54'12"W
C 5	08°43'08"	2196.74'	334.28'	167.46'	333.96'	S 83°49'39"W
LINE BEARING						
L 1	S 00°00'41"W	0.35'	(COMP R/W POINT TO EIP)			
L 2	N 88°48'11"W	12.86'				
L 3	N 18°11'42"W	11.46'				
L 4	S 06°56'45"W	1.21'	(COMP R/W POINT TO R/W NAIL)			
L 5	S 18°11'39"E	3.87'				

## FLOODPLAIN INFORMATION

THIS SITE IS NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS AS SHOWN ON FIRM PANEL 3710877500 J DATED 2 FEB 2007

**CALL BEFORE YOU DIG!**  
NORTH CAROLINA LAW REQUIRES NOTIFICATION OF THE UNDERGROUND FACILITY OWNER NOT LESS THAN TWO (2) BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION  
www.nc811.org  
1-800-632-4949  
North Carolina One-Call Center, Inc.

## REVISIONS

No.	DATE	DESCRIPTION	REV. BY
1	16 AUG 11	REV. PER CHATHAM COUNTY APPEARANCE COMMISSION MEETING	JEB

**APPROVED FOR PERMITTING**

think, design, build

**BOBBITT**  
DESIGN-BUILD  
600 Germantown Road | Raleigh, North Carolina 27607  
Ph (919) 681-1800 | Fx (919) 681-1802 | design@bobbitt.com

COORDINATOR:  
BLAIR PITTMAN

DRAWN BY:  
JOHN BENTON

CHK BY: BPP

**DOGWOOD VETERINARY HOSPITAL**  
51 VICKERS ROAD  
CHATHAM COUNTY, NORTH CAROLINA

24 X 36

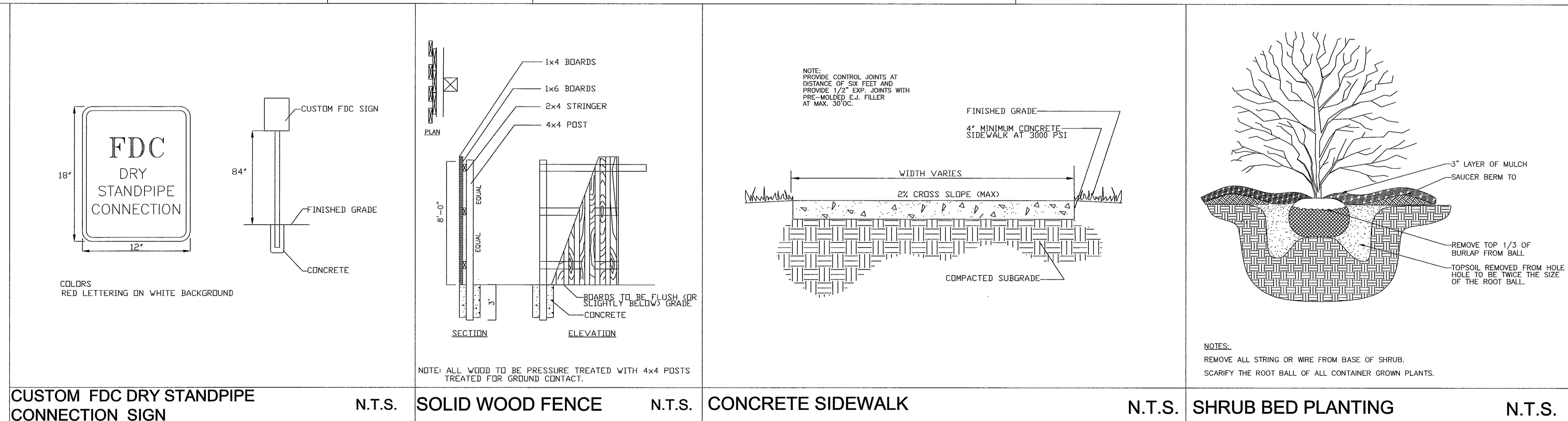
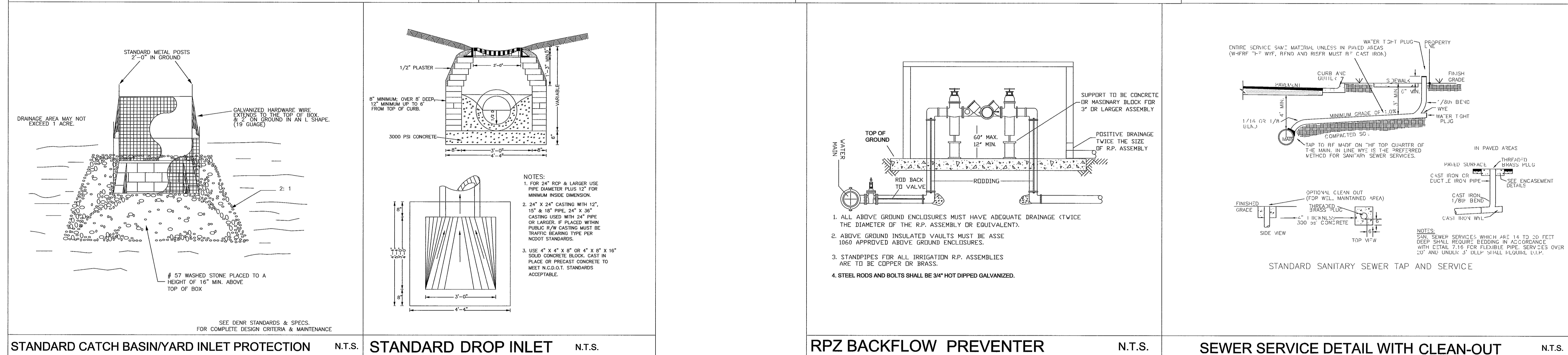
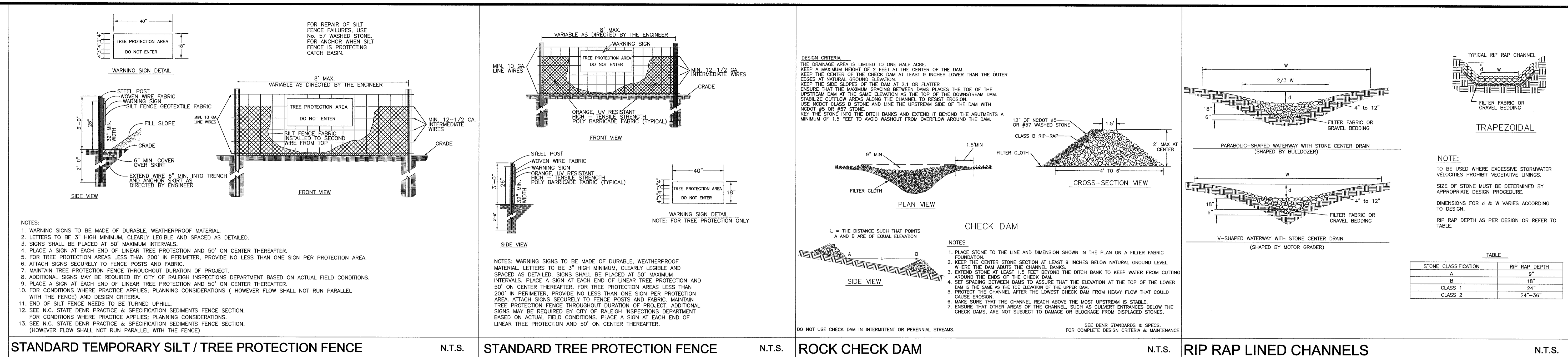
1" = 30'

01 AUG 11

1960-0096

LANDSCAPE  
PLAN

**C5.0**



REVISIONS			
No.	DATE	DESCRIPTION	REV.
△			
△			
△			
△			

***APPROVED FOR  
PERMITTING***

*think, design, build*

**BOBBITT**  
DESIGN • BUILD

600 Germantown Road | Raleigh, North Carolina 27607  
Ph (919) 851-1990 | Fx (919) 851-1982 | [design@bobbitt.com](mailto:design@bobbitt.com)

**COORDINATOR:**  
**BLAIR PITTMAN**

**DRAWN BY:  
JOHN BENTON**

CHK BY: BPP

**DOGWOOD VETERINARY HOSPITAL**  
51 VICKERS ROAD  
CHATHAM COUNTY, NORTH CAROLINA

24 X 36

16 AUG 11

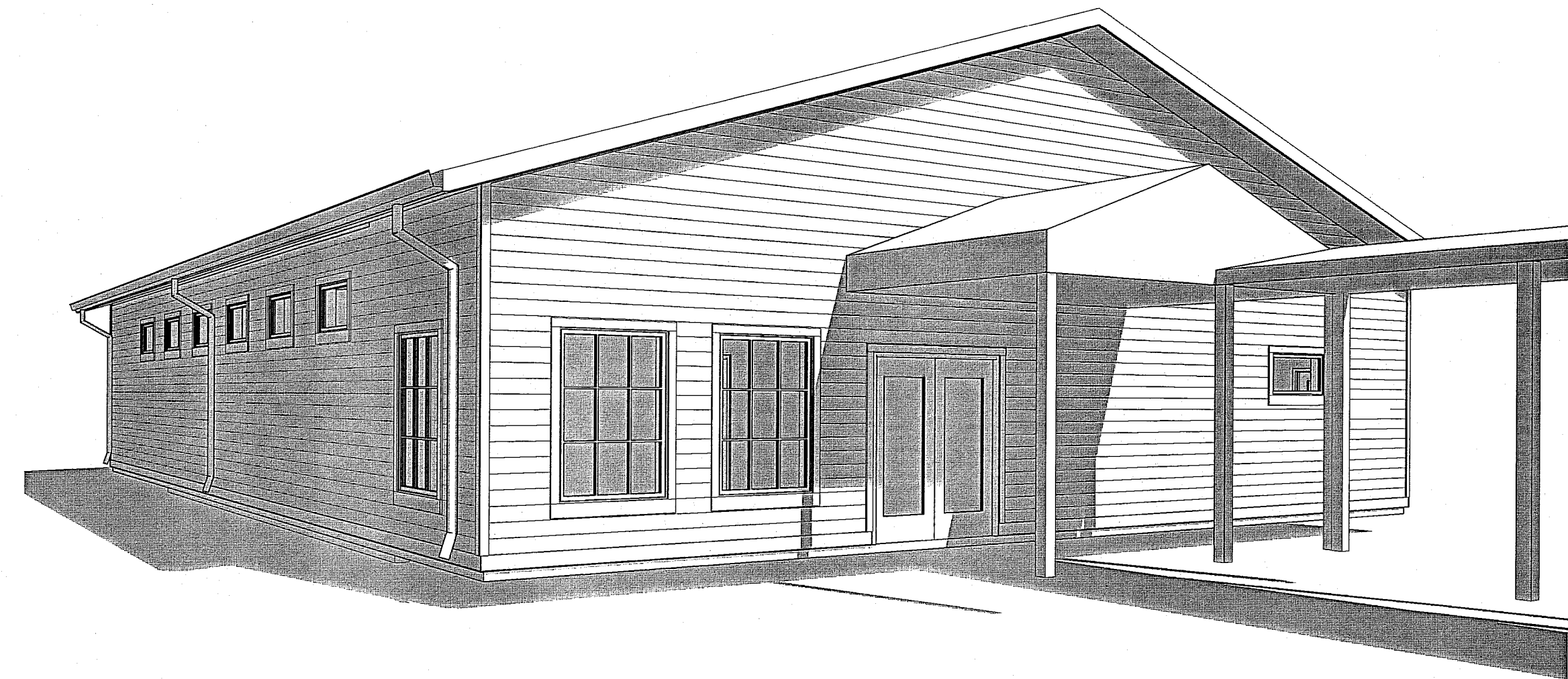
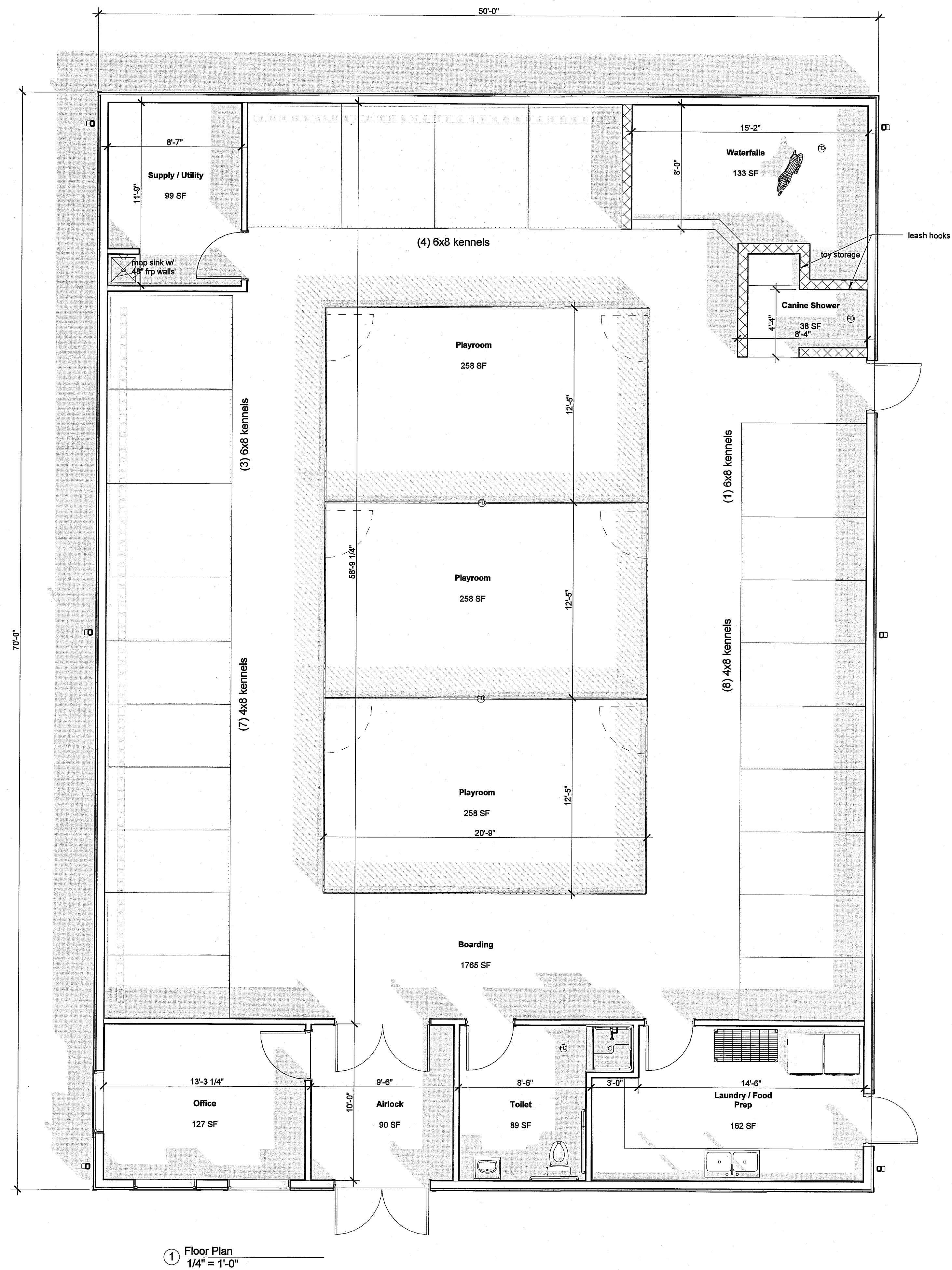
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**DETAIL  
SHEET**

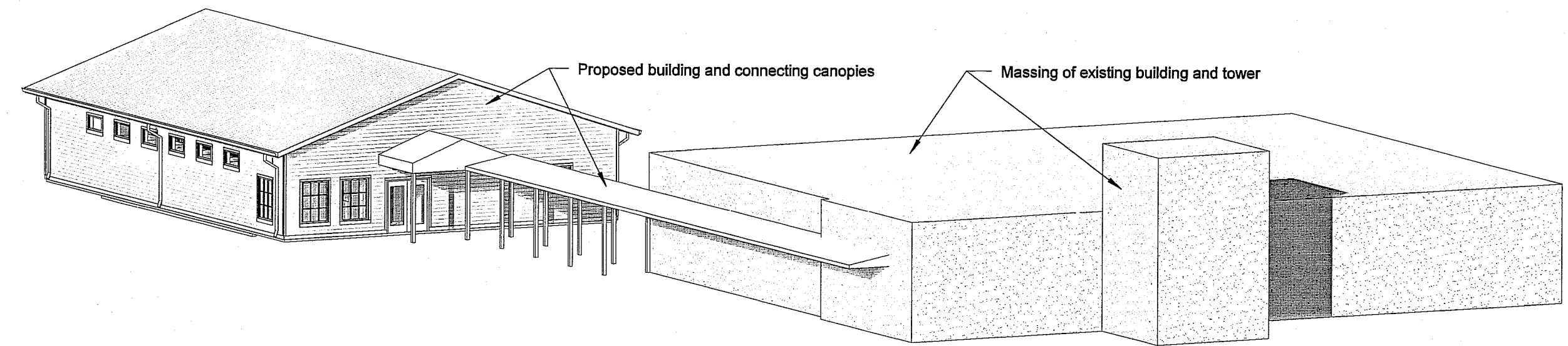
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2 Exterior Perspective



3 Existing 3D



Existing Building

**CONCEPTUAL**  
**NOT FOR CONSTRUCTION**

APPROVAL:  
DATE:

Michael G. Huslaque, PLLC  
600 Germantown Road  
Raleigh, North Carolina 27607

**BOBBITT**  
DESIGN + BUILD  
600 Germantown Road | Raleigh, North Carolina 27607  
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design@bobbitt.com

COORDINATOR:  
B. GRIFFITH

DRAWN BY:  
BDG

CHK BY:

**DOGWOOD PET RESORT**  
51 VICKERS ROAD  
CHATHAM COUNTY, NORTH CAROLINA

24 X 36  
1/4" = 1'-0"

07/05/11

1960-0096

Floor Plan &  
Elevation

**A1**