POSSIBLE SUPPLIERS FOR GRATES AND FRAMES

SOUTHERN FOUNDRY P.O. BOX 186 APEX, N.C. 27502 (919) 362-7744 NORFOLK CAST, INC. P.O. BOX 328 NORFOLK, VA. 23501

VULCAN FOUNDRY CORP, P.O. BOX 905 DENHAM SPRINGS, LA. 1(800)626-4653 US FOUNDRY 8351 N. W.93RD ST MEDLEY, FLA.33166 (305)885-0301 FAX (305) 844-3253

SUPER CAST, INC. 1104 US HWY. 117 BYPASS, S. GOLDSBORO, N.C. 27530 (919)736-9010 FAX (919)736-0290

BUNCH PATTERN WORKS, INC. P.O. BOX 267 HWY 308 N. LEWISTON-WOODVILLE,N.C. 27849

CAPITAL FOUNDRY OF VIRGINIA, INC. P.O. BOX 2212 VIRGINIA BEACH, VIRGINIA 23450

EMPORIA FOUNDRY, INC. 620 REESE STREET EMPORIA, VIRGINIA 23847

ENNIS ENTERPRISES P.O. BOX 931 WILMINGTON, N.C. 28402 (910) 371-9323

#4 BAR

 α

DOWEL

GENERAL NOTES:

MORTAR JOINTS $\frac{1}{2}$ " +/- $\frac{1}{8}$ " THICK.

USE CLASS "B" CONCRETE THROUGHOUT.

USE FORMS FOR CONSTRUCTION OF THE BOTTOM SLAB.

USE #4 BAR DOWELS AT 12" CENTERS.

DEDUCT FOR PIPE(S) FROM TOTAL CU. YDS. OF BRICK MASONRY.

PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.

USE BRICK OR CONCRETE BLOCK WHICH COMPLIES WITH THE REQUIREMENTS OF SECTION 840 OF THE STANDARD SPECIFICATIONS.

IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.

FOR 8'-0'' IN HEIGHT OR LESS, USE 8'' WALL. OVER 8'-0'' IN HEIGHT, USE 12'' WALL TO 6'-0'' FROM TOP OF WALL AND 8'' WALL FOR THE REMAINING 6'-0''. QUANTITES TO BE ADJUSTED ACCORDINGLY.

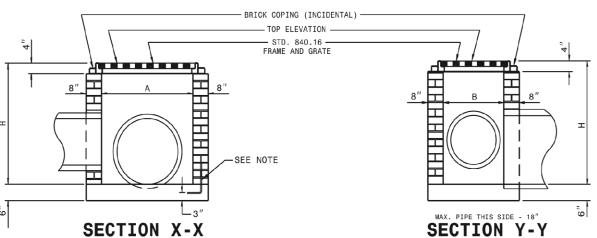
CONSTRUCT WITH PIPE CROWNS MATCHING.

SEE STANDARD DRAWING 840.25 FOR ATTACHMENT OF FRAMES AND GRATES.

DO NOT USE BRICK MASONRY DROP INLET IN LOCATIONS SUBJECT TO TRAFFIC.

CHAMFER ALL EXPOSED CORNERS 1".

DRAWING NOT TO SCALE.



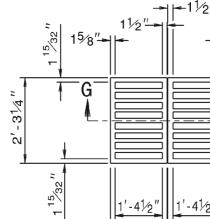
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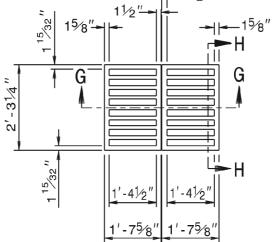
DIMENSIONS AND QUANTITIES FOR DROP INLET(BASED ON MIN. HEIGHT, H)									
DIMENSIONS OF BOX & PIPE				CUBIC YARDS	CUBIC YARDS		DEDUCTIONS FOR		
PIPE	SPAN	WIDTH	MIN. HEIGHT	CONCRETE	BRICK MASONRY		ONE PIPE		
D	А	В	Н	BOTTOM SLAB	WALL PER FOOT HT.	TOTAL BRICK MASONRY FOR MIN. HEIGHT, H	c.s.	R.C.	
12"	3'-0"	2'-0"	2'-0"	0.268	0.313	0.522	0.020	0.032	
15"	/	/	2'-3"	0.268	0.313	0.600	0.031	0.047	
18"			2'-6"	0.268	0.313	0.678	0.044	0.065	
24"	1		3'-0"	0.268	0.313	0.835	0.078	0.113	
30"	3'-0"	2'-0"	3'-6"	0.268	0.313	0.991	0.122	0.170	

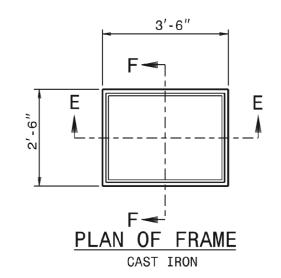


ROADWAY STANDARD DRAWING FOR

1 0F 1 SHEET 840.16







2'-334"

2'-134"

2'-6"

3/4 "_

−½″

-½"

2,

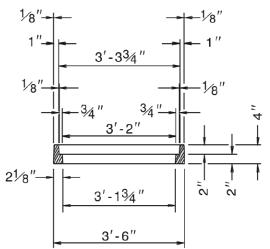
2,

1/8"

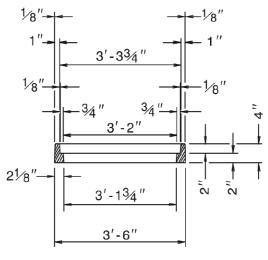
1/8".

21/8"-

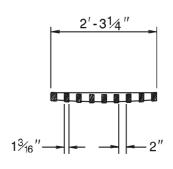
GRATING PLAN CAST IRON







SECTION F-F



SECTION G-G

1'-75/8"

2

DEPRESSION

1'-75/8"

SECTION H-H

STABILIZATION REQUIREMENTS:

Stabilization for this project shall comply with the time frame guidelines as specified by the NCG-010000 general construction permit effective August 3, 2011 issued by the North Carolina Department of Environment and Natural Resources Division of Water Quality. Temporary or permanent ground cover stabilization shall occur within 7 calendar days from the last land- disturbing activity, with the following exceptions in which temporary or permanent ground cover shall be provided in 14 calendar days from the last land-disturbing activity:

- Slopes between 2:1 and 3:1, with a slope length of 10 ft. or less
- Slopes 3:1 or flatter, with a slope of length of 50 ft. or less
- Slopes 4:1 or flatter

The stabilization timeframe for High Quality Water (HQW) Zones shall be 7 calendar days with no exceptions for slope grades or lengths. High Quality Water Zones (HQW) Zones are defined by North Carolina Administrative Code 15A NCAC 04A.0105 (25). Temporary and permanent ground cover stabilization shall be achieved in accordance with the provisions in this contract and as directed.

NATIVE GRASS SEEDING AND MULCHING:

(West)

Native Grass Seeding and Mulching shall be performed on the disturbed areas of wetlands and riparian areas, and adjacent to Stream Relocation and/or trout stream construction within a 50 foot zone on both sides of the stream or depression, measured from top of stream bank or center of depression. The stream bank of the stream relocation shall be seeded by a method that does not alter the typical cross section of the stream bank. Native Grass Seeding and Mulching shall also be performed in the permanent soil reinforcement mat section of preformed scour holes, and in other areas as directed.

The kinds of seed and fertilizer, and the rates of application of seed, fertilizer, and limestone, shall be as stated below. During periods of overlapping dates, the kind of seed to be used shall be determined. All rates are in pounds per acre.

August 1 -	June 1	May 1 – September 1		
18#	Creeping Red Fescue	18#	Creeping Red Fescue	
8#	Big Bluestem	8#	Big Bluestem	
6#	Indiangrass	6#	Indiangrass	
4#	Switchgrass	4#	Switchgrass	
35#	Rye Grain	25#	German or Browntop Millet	
500#	Fertilizer	500#	Fertilizer	
4000#	Limestone	4000	Limestone	

Approved Creeping Red Fescue Cultivars: Aberdeen

Boreal Epic Cindy Lou

Fertilizer shall be 10-20-20 analysis. A different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis and as directed.

Temporary Seeding

Fertilizer shall be the same analysis as specified for *Seeding and Mulching* and applied at the rate of 400 pounds and seeded at the rate of 50 pounds per acre. German Millet or Browntop Millet shall be used in summer months and rye grain during the remainder of the year. The Engineer will determine the exact dates for using each kind of seed.

Fertilizer Topdressing

Fertilizer used for topdressing shall be 16-8-8 grade and shall be applied at the rate of 500 pounds per acre. A different analysis of fertilizer may be used provided the 2-1-1 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as 16-88 analysis and as directed.

Supplemental Seeding

The kinds of seed and proportions shall be the same as specified for *Seeding and Mulching*, and the rate of application may vary from 25# to 75# per acre. The actual rate per acre will be determined prior to the time of topdressing and the Contractor will be notified in writing of the rate per acre, total quantity needed, and areas on which to apply the supplemental seed. Minimum tillage equipment, consisting of a sod seeder shall be used for incorporating seed into the soil as to prevent disturbance of existing vegetation. A clodbuster (ball and chain) may be used where degree of slope prevents the use of a sod seeder.

Mowing

The minimum mowing height shall be 6 inches.

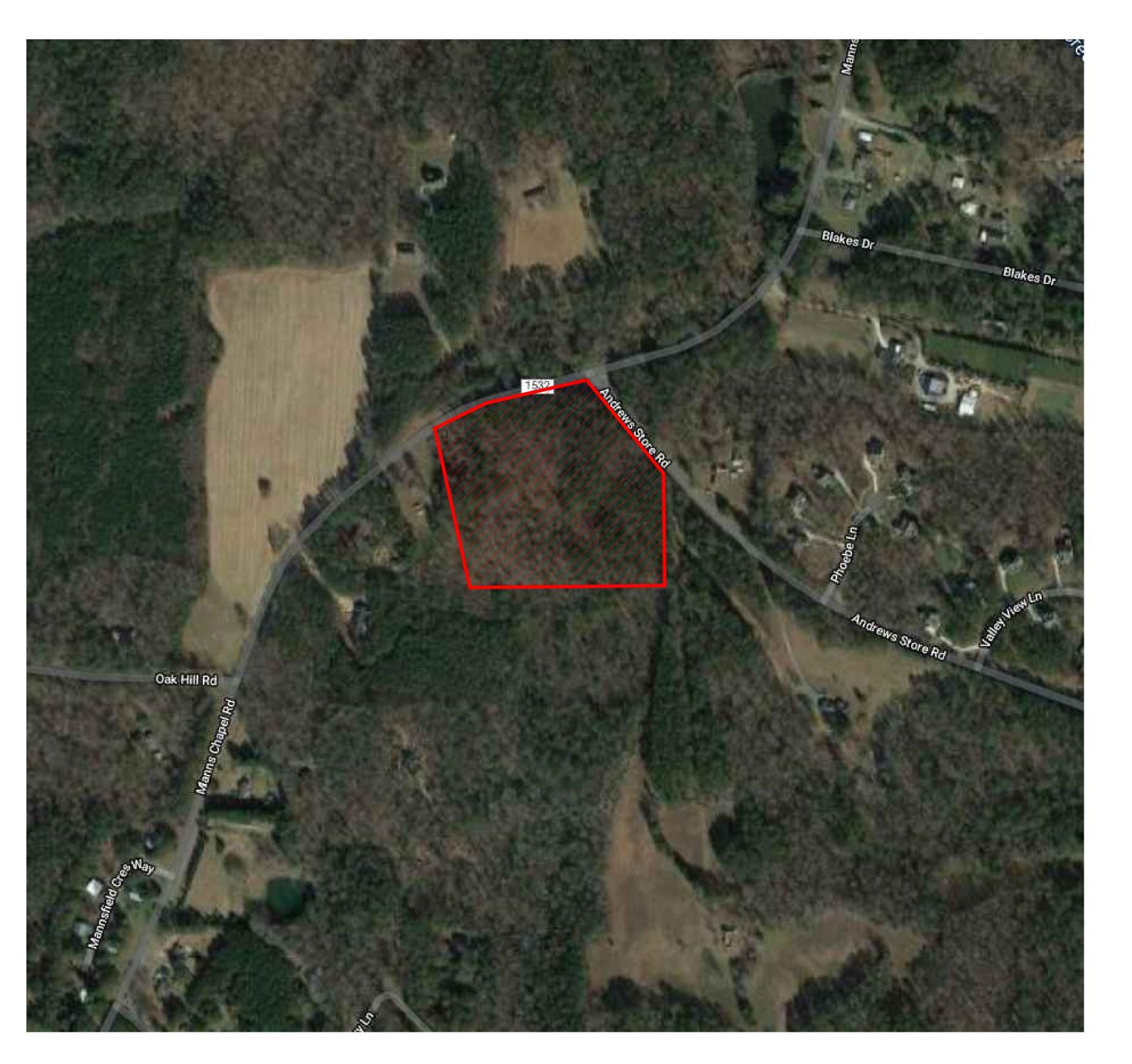
Measurement and Payment

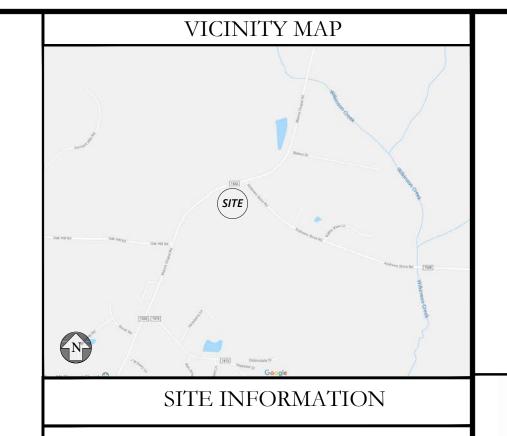
Native Grass *Seeding and Mulching* will be measured and paid for in accordance with Article 1660-8 of the *Standard Specifications*.

DRAWING INDEX COVER SHEET C-1.1 FIRST PLAT HOBBY FARM ROAD PLAN & PROFILE STA. 10+00 - 16+25 C-1.3INFRASTRUCTURE & EROSION CONTROL C-1.4 PLAN PHASE I INFRASTRUCTURE & EROSION CONTROL PLAN PHASE II BASIN PLAN AND DRAINAGE AREA C-1.7DELINEATION AND DRAINAGE PLAN EROSION CONTROL DETAILS EROSION CONTROL DETAILS C-2.2EROSION CONTROL DETAILS UTILITY DETAILS SCM DETAILS PLAN C-2.5SITE DETAILS

HOBBY FARM SUBDIVISION

3267 ANDREWS STORE ROAD, PITTSBORO, NC 27312 CHATHAM COUNTY, NORTH CAROLINA





LOVIN' SPOONFUL, LLC 727 WEST HARGETT STREET, SUITE 209 RALEIGH, NC 27603

9755 00 53 9236

JURISDICTION: CHATHAM COUNTY PLANNING TOWNSHIP: COUNTY: CHATHAM COUNTY STATE: NORTH CAROLINA

FEMA FLOOD MAP: FEMA FLOOD ZONE: RIVER BASIN:

AREA TO BE DEDICATED TO ROW: ±0.90 ACRES TOTAL PARCEL SIZE: ±12.02 AC CURRENT USE: VACANT / UNDEVELOPED

LAND USE CLASS: CURRENT ZONING:

EXIST PARCEL SIZE: ±12.92 AC

STRUCTURE SETBACKS FRONT SETBACK: SIDE SETBACK: REAR SETBACK: MIN. LOT WIDTH: MIN. LOT SIZE:

PROPOSED USE:

AREA OF NEW ROW: LINEAR FOOTAGE OF NEW ROAD: 547'

CHATHAM COUNTY PUBLIC UTILITIES

PROJECT CONTACTS

C3 DESIGN & ENGINEERING, PLLC CHAD E. ABBOTT, PE 2537 E LYON STATION ROAD, SUITE 201 CREEDMOOR, NC 27522

109 HILLSBORO STREET PITTSBORO, NC 27312

PITTSBORO, NC 27312

PLANNING: KIMBERLY TYSON 80 EAST STREET

(919) 542-8283 WATER: CHATHAM COUNTY UTILITIES & WATER DIVISION 964 EAST ST., 2nd FLOOR/SUITE 205

PITTSBORO, NC 27312 (919) 542-8238 SEPTIC: CHATHAM COUNTY ENVIRONMENTAL HEALTH THOMAS BOYCE

12 EAST STREET

PITTSBORO, NC 27312 (919) 545-8378 EROSION CONTROL: CHATHAM COUNTY WATERSHED PROTECTION DEPT.

DREW BLAKE 12 EAST STREET PITTSBORO, NC 27312 (919) 545-8394

STORMWATER: CHATHAM COUNTY WATERSHED PROTECTION DEPT. MORGAN DEWIT 12 EAST STREET

NCDOT: MICKEY PATE 300 DOT DRIVE ASHEBORO, NC 27204

(339) 318-4005 FIRE: WILLIAM JUDSON (FIRE MARSHAL) 80 EAST STREET PITTSBORO, NC 27312 (919) 545-8342

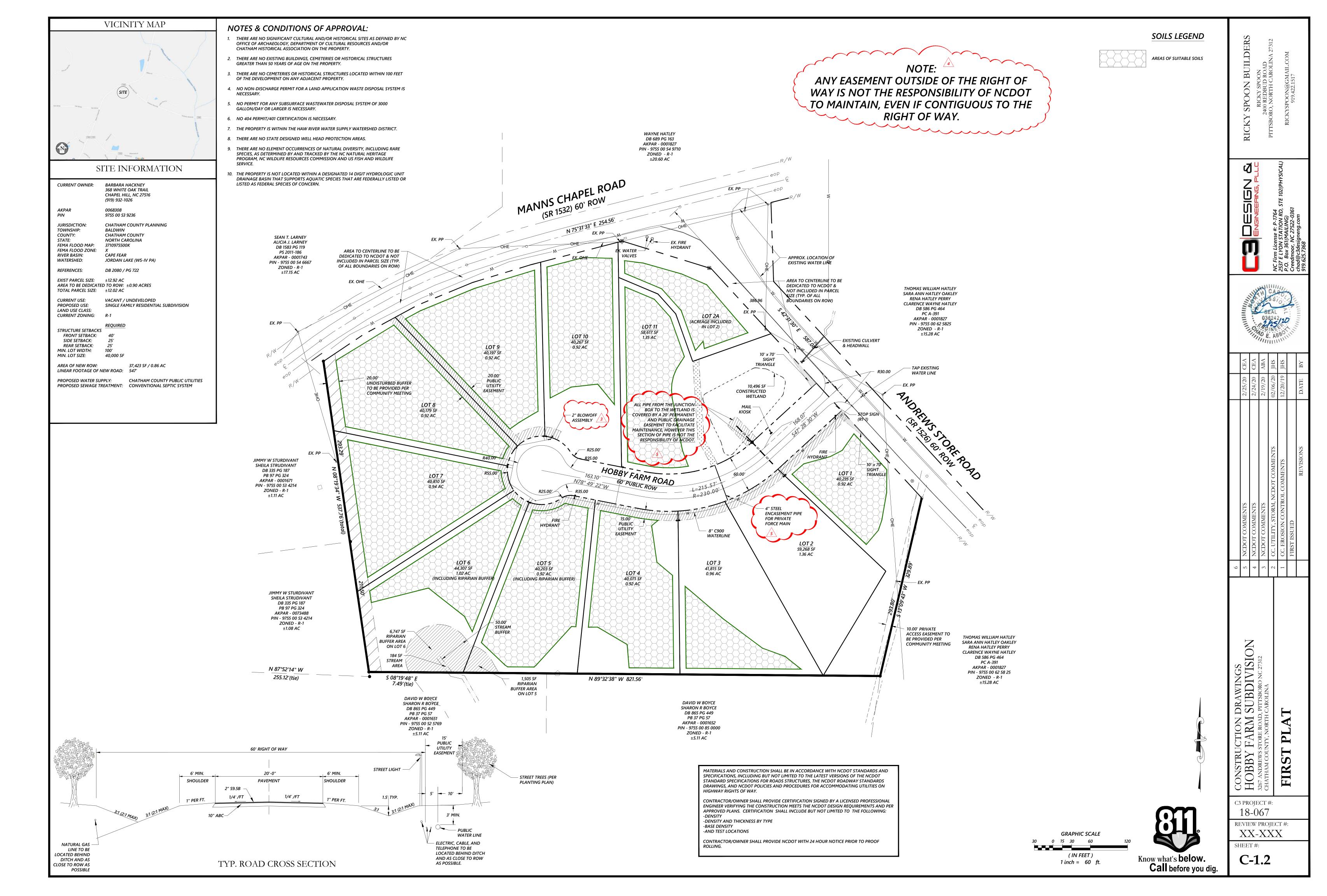
PITTSBORO, NC 27312.

ELECTRIC: DUKE ENERGY PROGRESS 800-452-2777

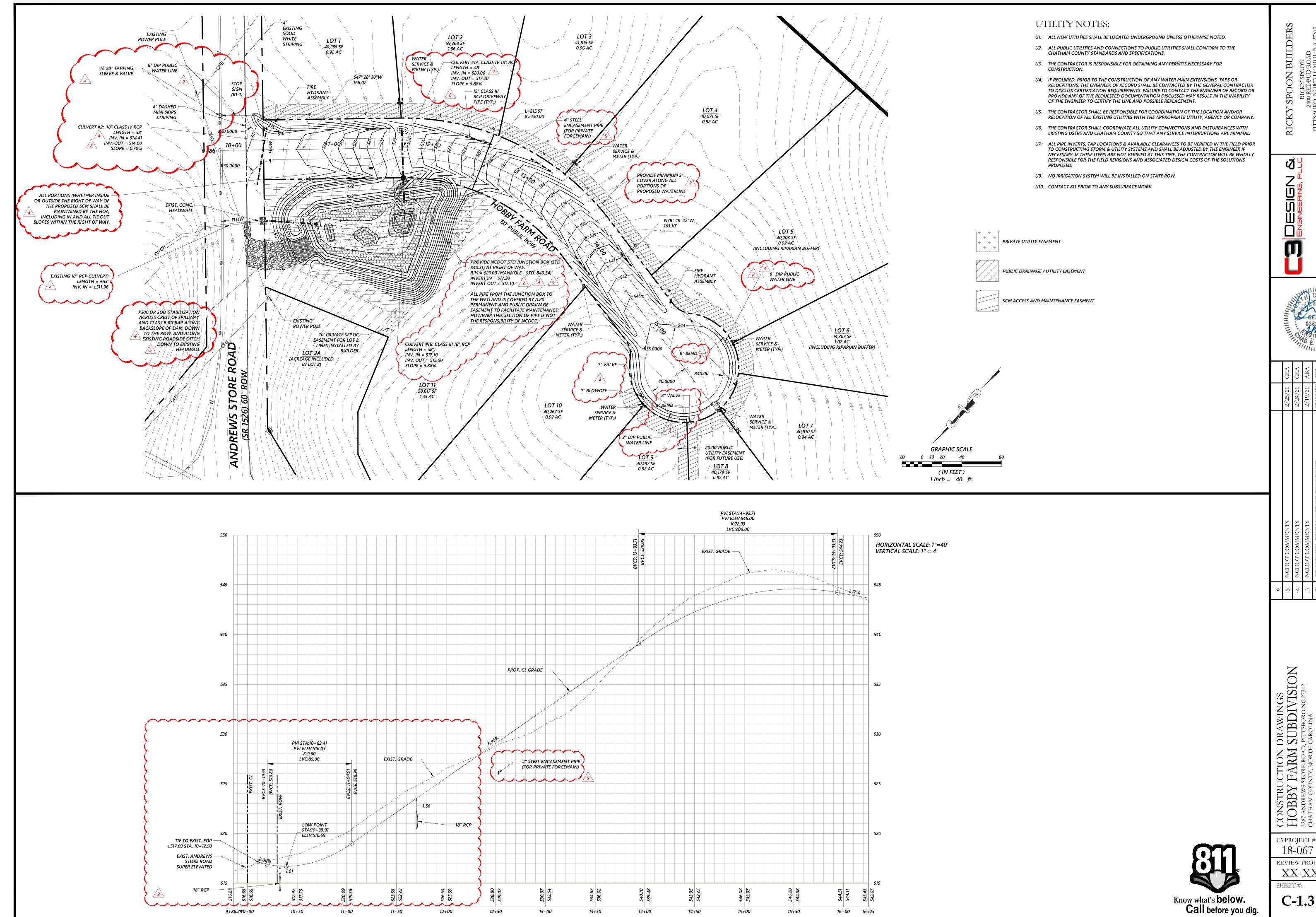
C3 PROJECT #: 18-067 REVIEW PROJECT #: XX-XXX

SHEET #:

C-1.1



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PLAN 16+25 HOBBY FARM ROAD PROFILE STA. 10+00-

C3 PROJECT #:

18-067 REVIEW PROJECT #:

XX-XXX