

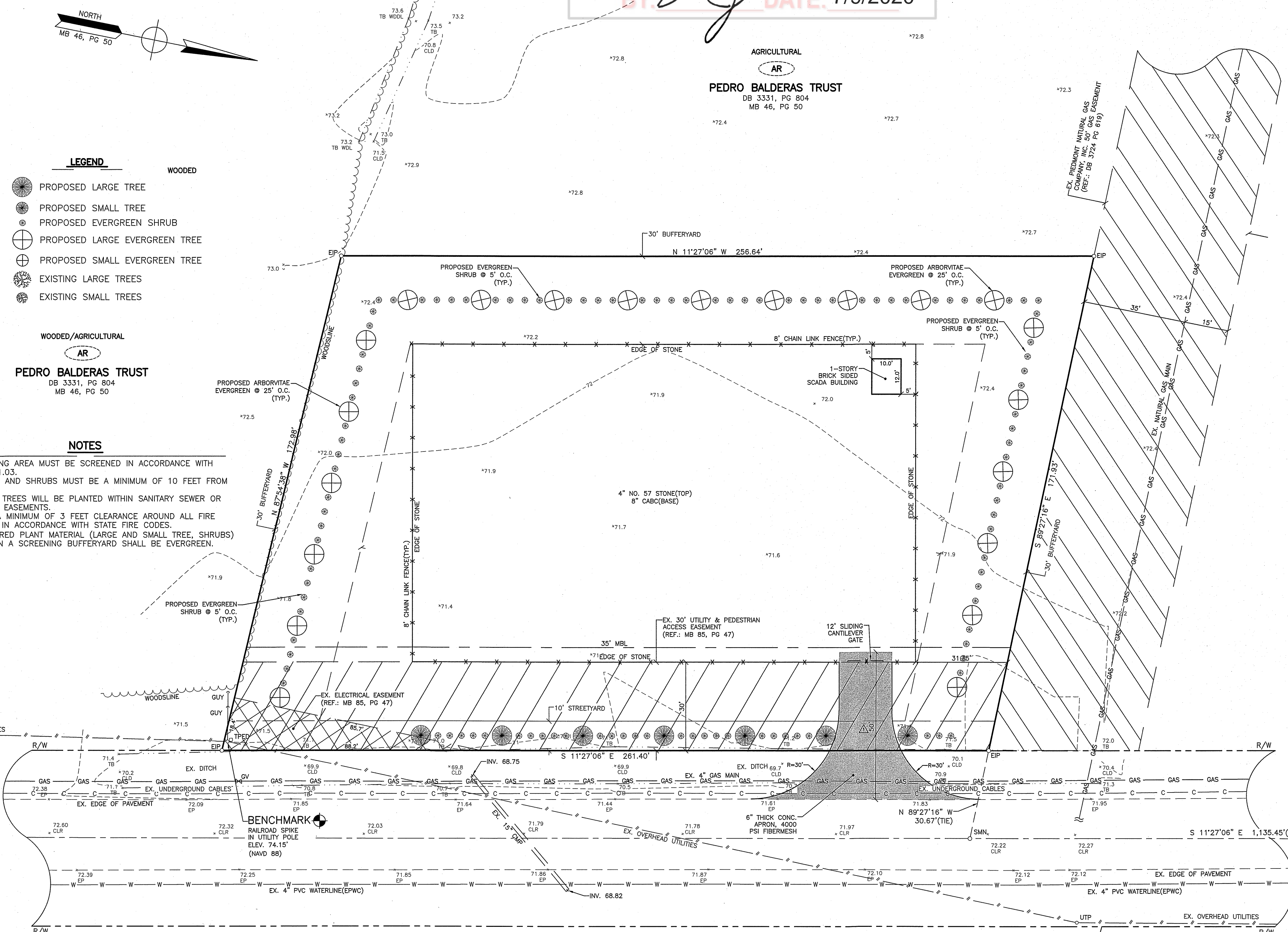
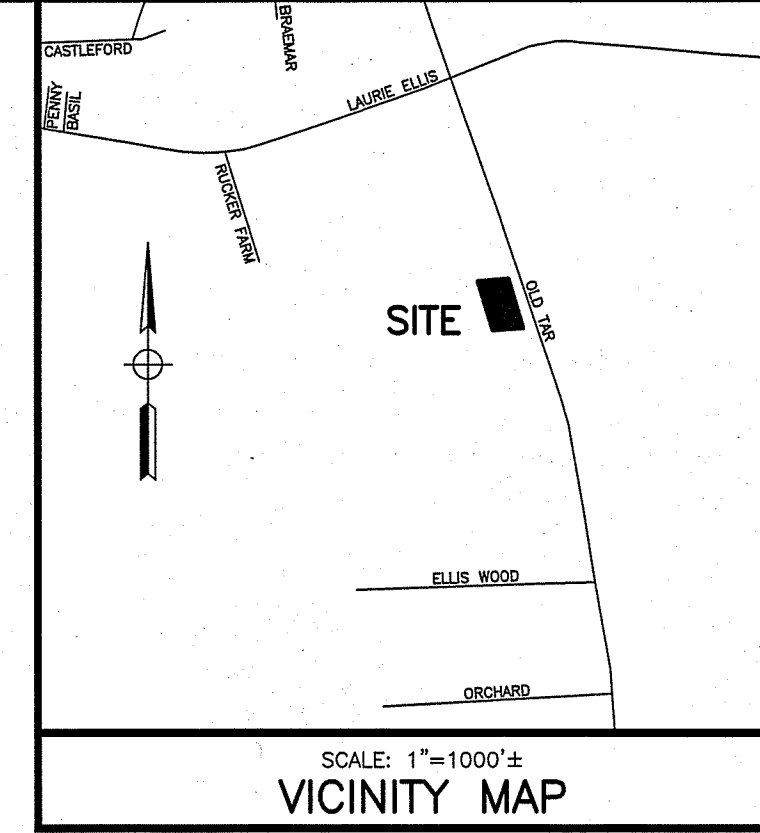
SITE DATA	
TOTAL AREA IN TRACT	1.000 ACRE
ZONING CLASSIFICATION	AR
PROPOSED BUILDING AREA	120 S.F.
BUILDING HEIGHT (1-STORY)	10'
% OF BUILDING LOT COVERAGE	0.28%
EXISTING IMPERVIOUS AREA	0 S.F.
PROPOSED IMPERVIOUS WALKS, PATIOS, ETC.	0 S.F.
PROPOSED IMPERVIOUS STONE AREA	19,002 S.F.
TOTAL IMPERVIOUS AREA	19,122 S.F.
NO. OF PARKING SPACES REQUIRED	N/A
NO. OF PARKING SPACES PROVIDED	N/A
NO. OF HC SPACES REQUIRED	N/A
NO. OF HC SPACES PROVIDED	N/A

- LEGEND**
- ABS = ACRYLONITRILE-BUTADIENE-STYRENE
  - BB = BOTTOM OF BANK
  - B/B = BACK OF CURB TO BACK OF CURB
  - BC = BACK OF CURB
  - BD = BOLLARD
  - BFE = BASE FLOOD ELEVATION
  - BLD = BUILDING CORNER
  - BM = BENCH MARK
  - BMP = BEST MANAGEMENT PRACTICE
  - BO = BLOW-OFF
  - BOV = BLOW-OFF IN VALVE BOX
  - BSP = BACTERIOLOGICAL SAMPLING POINT
  - BV = BALL VALVE
  - CATV = CABLE TELEVISION BOX
  - CB = CATCH BASIN
  - CLD = CENTERLINE DITCH
  - CLP = CENTERLINE PATH
  - CLR = CENTERLINE ROAD
  - CMP = CORRUGATED METAL PIPE
  - CO = CLEAN OUT
  - CONC = CONCRETE
  - CP = COMPACT PARKING SPACE
  - CPP = CORRUGATED PLASTIC PIPE
  - DI = DROP INLET
  - DIP = DUCTILE IRON PIPE
  - DS = DOWNSPOUT
  - DW = DRIVEWAY
  - ECM = EXISTING CONCRETE MONUMENT
  - EA = EXISTING IRON AXLE
  - EIP = EXISTING IRON PIPE
  - EIS = EXISTING IRON STAKE
  - ELEC = ELECTRICAL
  - ELM = ELECTRIC METER BOX
  - ELMH = ELECTRIC MANHOLE
  - EP = EDGE OF PAVEMENT
  - EPKN = EXISTING PARKER KALON NAIL
  - ERRS = EXISTING RAILROAD SPIKE
  - ESCP = EXTRA STRENGTH CONCRETE PIPE
  - FES = FLARED END SECTION
  - FFE = FINISHED FLOOR ELEVATION
  - FH = FIRE HYDRANT
  - FIRM = FLOOD INSURANCE RATE MAP
  - FM = FORCE MAIN
  - FMV = FORCE MAIN VALVE
  - F/O = FIBER OPTIC MARKER
  - GM = GAS METER
  - GV = GAS VALVE
  - GUY = GUY WIRE
  - HB = HOSE BIB
  - ICV = IRRIGATION CONTROL VALVE
  - INV = INVERT
  - JB = JUNCTION BOX
  - LP = LIGHT POLE
  - LSA = LANDSCAPED AREA
  - MB = MAIL BOX
  - MBL = MINIMUM BUILDING LINE
  - MH = MANHOLE
  - MHW = MEAN HIGH WATER
  - MP = METAL PIPE
  - MW = MONITORING WELL
  - NTS = NOT TO SCALE
  - OCS = OUTLET CONTROL STRUCTURE
  - OUP = OVERHEAD UTILITY POLE
  - PH = PUMP HOUSE
  - PIV = SPRINKLER VALVE
  - PC = POINT OF CURVATURE
  - PCC = POINT OF COMPOUND CURVATURE
  - POB = POINT OF BEGINNING
  - PRC = POINT OF REVERSE CURVATURE
  - PT = POINT OF TANGENCY
  - PVC = POLYVINYL CHLORIDE
  - R = RADIUS
  - RCP = REINFORCED CONCRETE PIPE
  - R/W = RIGHT-OF-WAY
  - SIP = SET IRON PIPE
  - SMN = SET MAG NAIL
  - SPKN = SET PARKER KALON NAIL
  - SRRS = SET RAILROAD SPIKE
  - SS = SEWER SERVICE
  - SSMH = SANITARY SEWER MANHOLE
  - STMH = STORM SEWER MANHOLE
  - SV = SEWER VENT
  - SW = SIDEWALK
  - SWHDP = SMOOTH WALL HDPE
  - SWPP = SMOOTH WALL PLASTIC PIPE
  - TB = TOP OF BANK (TOPO ONLY)
  - TBK = TOP OF BLOCK
  - TBR = TO BE REMOVED
  - TC = TOP OF CURB
  - TCO = TOP OF CONCRETE
  - TO = TOP OF GRAVEL
  - TLMH = TELEPHONE MANHOLE
  - TP = TOP OF PAVEMENT
  - TSW = TOP OF SIDEWALK
  - TLMH = TELEPHONE MH
  - TOT = TOTAL
  - TPED = TELEPHONE PEDESTAL
  - TRANS = ELECTRICAL TRANSFORMER
  - TSP = TRAFFIC SIGNAL SUPPORT POLE
  - UTP = UTILITY POLE
  - VG = VALLEY GUTTER
  - WDL = WOODS LINE
  - WM = WATER METER BOX
  - WP = WETLAND POINT
  - WS = WRAPPED STEEL
  - WV = WATER VALVE
  - = NOT TO SCALE
  - = CLASS "B" STONE APRON
  - = CONSTRUCTION ENTRANCE/EXIT
  - = EXISTING OVERHEAD UTILITIES
  - = EXISTING SANITARY SEWER LINE
  - = SANITARY SEWER FORCE MAIN
  - = EXISTING WATER LINE
  - = LIMITS OF CONSTRUCTION
  - = UNDERGROUND COMMUNICATIONS LINE
  - = GAS LINE
  - = FIBER OPTIC LINE
  - = UNDERGROUND ELECTRICAL LINE
  - = UNDERGROUND CABLE
  - = SILT FENCE
  - = DRAINAGE EASEMENT
  - = RIPARIAN BUFFER
  - = SIGHT TRIANGLE
  - = SIGN EASEMENT
  - = ZONING CLASSIFICATION
  - = AREA TO BE DEMOLISHED
  - = TREE

APPROVED

TOWN OF WINTERVILLE

BY: *B-J* DATE: 7/9/2020



- GENERAL NOTES**
- ALL AREAS CALCULATED BY COORDINATE GEOMETRY.
  - VERTICAL DATUM REFERENCED TO NAVD 88.
  - THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. REFERENCE PITT COUNTY FIRM 3720468400J, DATED JANUARY 02 2004.
  - REFERENCE: THE PROPERTY DESCRIBED IN DEED BOOK 3581, PAGE 347 OF THE PITT COUNTY REGISTER OF DEEDS.
  - CONTRACTOR TO NOTIFY NC ONE CALL 72 HOURS PRIOR TO CONSTRUCTION, (1-800-632-4949).
  - STORMWATER MANAGEMENT PLAN IS REQUIRED.
  - ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO TOWN OF WINTERVILLE MSD.
  - CONTRACTOR SHALL NOTIFY TOWN OF WINTERVILLE PUBLIC WORKS DEPARTMENT WITHIN 48 HOURS PRIOR TO MAKING CONNECTIONS TO ANY EXISTING UTILITIES.
  - ANNEXATION IS NOT REQUIRED.
  - NC DOT DRIVEWAY PERMIT IS REQUIRED.
  - EROSION CONTROL PLAN IS NOT REQUIRED.
- REVISED: 07-06-2020 (NCDOT COMMENTS)(NRW)  
EXTENDED CONC. DRIVE TO 50' IN LENGTH

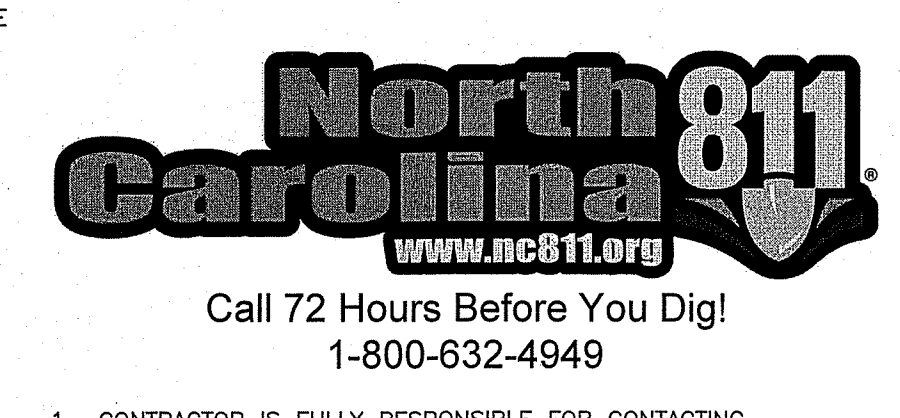
- NOTES**
- ALL PARKING AREA MUST BE SCREENED IN ACCORDANCE WITH SEC. 10A.1.03.
  - ALL TREES AND SHRUBS MUST BE A MINIMUM OF 10 FEET FROM BUILDINGS.
  - NO LARGE TREES WILL BE PLANTED WITHIN SANITARY SEWER OR WATERLINE EASEMENTS.
  - MAINTAIN A MINIMUM OF 3 FEET CLEARANCE AROUND ALL FIRE HYDRANTS IN ACCORDANCE WITH STATE FIRE CODES.
  - ALL REQUIRED PLANT MATERIAL (LARGE AND SMALL TREE, SHRUBS) LOCATED IN A SCREENING BUFFERYARD SHALL BE EVERGREEN.

**MINIMUM PLANT SIZES SHALL BE AS FOLLOWS:**

PLANTING MATERIAL TYPES	MINIMUM PLANTING SIZE	PLANTING REQUIREMENTS:
1. LARGE TREE - SINGLE STEM	10 FEET AND 2" CALIPER	LOT AREA: 1.0 ACRE
2. SMALL TREE	10 FEET	REQUIRED SITE VEGETATION FOR LOT
3. SHRUB	8 FEET AND 1 1/2" CALIPER	LARGE TREES: 3
	18"	SMALL TREE: 7
		SHRUBS: 20
		REQUIRED STREET YARD VEGETATION OLD TAR ROAD (261LF)
		TOTAL REQUIRED LARGE TREES: 6
		EXISTING LARGE TREES: 0
		PROPOSED LARGE TREES: 7

NOTE: 4 ADDITIONAL LARGE TREES USED TO SATISFY SMALL TREE REQUIREMENTS.

NOTE: BUFFERYARDS NOT REQUIRED PER SECTION 10A.2.04-B.



Call 72 Hours Before You Dig!  
1-800-632-4949

- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ENSURING THAT ALL EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC., AS NECESSARY TO ENSURE SAFETY OF THE PUBLIC.
- ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE PLACED ACCORDING TO THE STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, OR LOCAL JURISDICTION, WHICHEVER IS MORE STRINGENT.
- SHORING SHALL BE IN ACCORDANCE WITH OSHA TRENCHING STANDARDS, 29 PART 1926, SUBPART, OR AS AMENDED.

SHEET 1 OF 2  
SITE, STAKING & VEGETATION PLAN  
PARCEL #86280  
TAX MAP #4684-16-1065

**GREENVILLE UTILITIES COMMISSION**

WINTERVILLE TOWNSHIP, PITT COUNTY, N.C.

OWNER: GREENVILLE UTILITIES COMMISSION GAS DEPARTMENT  
ADDRESS: 801 MUMFORD ROAD  
GREENVILLE, NC 27834  
PHONE: (252) 551-1587

DESIGNED: MWB	APPROVED: MWB
DRAWN: NRW	DATE: 06/03/2020
CHECKED: MWB	SCALE: 1" = 20'

**CLOSURE CHECK BOUNDARY**

CHECKED: NRW DATE: 09/07/19



DRAWINGS 19-114-GUC - OLD TAR ROAD SHEETS SITE.dwg Mon, Jul 06, 2020 - 7:28am RWELLS

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

CLASS 'A' STONE CONSTRUCTION ENTRANCE

ENGLISH STANDARD DRAWING FOR  
CLASS 'A' STONE CONSTRUCTION ENTRANCE

SHEET 1 OF 1  
1607.01

NOTES:  
1. PROVIDE TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS.  
2. LOCATE CONSTRUCTION ENTRANCES TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.  
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS.  
4. PERIODIC TOPDRESSING WITH STONE SHALL BE NECESSARY.  
5. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.  
6. LOCATE GRAVEL CONSTRUCTION ENTRANCE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. PROVIDE FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE. NUMBER AND LOCATION OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER.  
7. USE CLASS 'A' STONE OR OTHER COARSE AGGREGATE APPROVED BY THE ENGINEER.  
8. INSTALL CONSTRUCTION ENTRANCES IN A WAY TO PREVENT VEHICLES FROM BYPASSING CONSTRUCTION ENTRANCE LEAVING PROJECT SITE.

NOTE: PLACE FILTRATION GEOTEXTILE BENEATH STONE

CLASS 'B' STONE CONSTRUCTION ENTRANCE

SHEET 1 OF 1  
1607.01

NOTES:  
1. "L" IS THE LENGTH OF THE RIP-RAP APRON.  
2. "d"=1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".  
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.  
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP-RAP AND SOIL FOUNDATION.  
5. FOR RIP-RAP PROTECTION USE CLASS "B" EROSION CONTROL STONE.  
6. APRON TO BE PLACED LEVEL WITH THE TOP SURFACE OF RIP-RAP AT SAME LEVEL AS SURROUNDING LAND SURFACE - NO OVERFALL SHOULD EXIST.

OUTLET STABILIZATION STRUCTURE

EC-3

NOTES:  
1. "L" IS THE LENGTH OF THE RIP-RAP APRON.  
2. "d"=1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".  
3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.  
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP-RAP AND SOIL FOUNDATION.  
5. FOR RIP-RAP PROTECTION USE CLASS "B" EROSION CONTROL STONE.  
6. APRON TO BE PLACED LEVEL WITH THE TOP SURFACE OF RIP-RAP AT SAME LEVEL AS SURROUNDING LAND SURFACE - NO OVERFALL SHOULD EXIST.

ROCK DAM DETAIL

(N.T.S.)

NOTES:  
1. WIRE SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.  
2. FILTER FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.  
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.

TEMPORARY SILT FENCE DETAIL

EC-2

MAINTENANCE PLAN

CONSTRUCTION ENTRANCE  
MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-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.

SILT FENCE  
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. ENSURE SEDIMENT FENCE IS STILL TOED IN AS PER DRAWINGS. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

GRADED AREAS  
PERIODICALLY CHECK ALL GRADED AREAS AND THE SUPPORTING EROSION AND SEDIMENTATION CONTROL PRACTICES, ESPECIALLY AFTER HEAVY RAINFALLS. PROMPTLY REMOVE ALL SEDIMENT FROM DIVERSIONS AND OTHER WATER-DISPOSAL PRACTICES. IF WASHOUTS OR BREAKS OCCUR, REPAIR THEM IMMEDIATELY. PROMPT MAINTENANCE OF SMALL ERODED AREAS BEFORE THEY BECOME SIGNIFICANT GULLIES. AREAS ARE TO BE SEEDED AS PER NORTH CAROLINA EROSION AND SEDIMENTATION NOTES AND SEEDING CRITERIA.

DUST CONTROL  
MAINTAIN ALL AND ANY DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.

ROCK RIP RAP  
INSPECT CHANNELS AT REGULAR INTERVALS AS WELL AS MAJOR RAINS, AND MAKE REPAIRS PROMPTLY. GIVE SPECIAL ATTENTION TO THE OUTLET AND INLET SECTIONS AND OTHER POINTS WHERE CONCENTRATED FLOW ENTERS. CAREFULLY CHECK STABILITY AT ROAD CROSSINGS, AND LOOK FOR INDICATION OF PIPING, SCOURING HOLES, OR BANK FAILURES. MAKE REPAIRS IMMEDIATELY. MAINTAIN ALL VEGETATION ADJACENT TO THE CHANNEL IN A HEALTHY, VIGOROUS CONDITION TO PROTECT THE AREA FROM EROSION AND SCOUR DURING OUT OF BANK FLOW.

TEMPORARY VEGETATION  
RESEED AND MULCH AREA WHERE SEEDLING EMERGENCE IS POOR, OR WHERE EROSION OCCURS, AS SOON AS POSSIBLE. DO NOT MOW. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE.

SEEDING AND MULCHING SCHEDULE PER ACRE

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 BY THE ENGINEER.

LIME ..... 2 TONS/AC  
10-10-20 ..... 1,000 LBS/AC  
0-20-0 ..... 500 LBS/AC  
STRAW MULCH ..... 2 TONS/AC (AFTER SEEDING)  
ASPHALT TACK ..... 200 GAL/TON OF MULCH

JANUARY 1-DECEMBER 31  
50# TALL FESCUE  
5# CENTIPEDE  
50# PENSACOLA BAHIAGRASS  
500# FERTILIZER  
4000# LIMESTONE

SLOPES 2:1 AND STEEPER AND WASTE AND BORROW LOCATIONS:  
JANUARY 1-DECEMBER 31  
75# TALL FESCUE  
50# PENSACOLA BAHIAGRASS  
500# FERTILIZER  
4000# LIMESTONE

GRADING AND EARTHWORK NOTES

- CONTRACTOR SHALL CONTACT INSPECTOR 48 HOURS BEFORE CONSTRUCTION.
- REFER TO EROSION CONTROL PLAN FOR CONSTRUCTION SEQUENCE REQUIREMENTS, (TO BE PROVIDED WITH DESIGN DEVELOPMENT DOCUMENTS).
- ANY GRADING BEYOND THE DENOURED LIMITS INDICATED ON THE CONSTRUCTION DOCUMENTS IS A VIOLATION OF EROSION CONTROL ORDINANCES AND IS SUBJECT TO A FINE.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNER(S).
- THE CONTRACTOR SHALL IMMEDIATELY REPORT TO OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS, AND SHALL WAIT FOR INSTRUCTIONS PRIOR TO PROCEEDING.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES ON THE FIELD PRIOR TO BEGINNING CONSTRUCTION.
- LIMITS OF CLEARING SHOWN ON GRADING PLAN ARE BASED UPON THE APPROXIMATE CUT AND FILL SLOPE LIMITS, OR OTHER GRADING REQUIREMENTS.
- ALL ELEVATIONS ARE IN REFERENCE TO THE SITE BENCHMARK. CONTRACTOR SHALL VERIFY THE BENCHMARK PRIOR TO GRADING.
- THE PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN WITHIN ROADWAYS, PARKING LOTS, AND SIDEWALKS AREAS REFLECT FINISH ELEVATIONS INCLUDING PAVEMENT. REFER TO PAVEMENT CROSS SECTION DATA TO ESTABLISH CORRECT SUBBASE OR AGGREGATE COURSE ELEVATIONS TO BE COMPLETED UNDER THIS CONTRACT.
- GRADES SHALL BE ESTABLISHED TO PROVIDE A SMOOTH SURFACE, FREE FROM IRREGULAR SURFACE CHANGES. GRADING SHALL COMPLY WITH COMPACTOR REQUIREMENTS AND GRADE CROSS SECTIONS, LINES, AND ELEVATIONS INDICATED.
- WHERE NO SPOT GRADES ARE INDICATED, THE GRADES SHALL BE ESTABLISHED BASED ON INTERPOLATION OF THE ELEVATIONS BETWEEN ADJACENT SPOT GRADES WHILE MAINTAINING APPROPRIATE TRANSITION AT STRUCTURES AND PAVING, AND UNINTERRUPTED DRAINAGE FLOW INTO INLETS.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE SUCH THAT RUNOFF WILL DRAIN BY GRAVITY FLOW ACROSS NEW GRADED AREAS TO NEW OR EXISTING DRAINAGE INLETS, OR SHEET OVERLOAD.
- ALL SIDEWALKS, STAIRS, TERRACES AND OTHER PAVED AREAS SHALL SLOPE AWAY FROM BUILDING(S) AT A 2.0% SLOPE MINIMUM.
- ALL FILL SHALL BE PLACED IN A MAXIMUM 8-INCH LIFTS AND COMPACTED, ALL FILL WITHIN LIMITS OF PAVEMENT AREAS SHALL BE COMPACTED TO 100% OF MAXIMUM STANDARD PROCTOR DENSITY WITHIN THE TOP 12 INCHES AND A MINIMUM 95% OF MAXIMUM STANDARD PROCTOR DENSITY BELOW 12-INCH DEPTH.
- FILL WITHIN LANDSCAPE AREAS SHALL BE COMPACTED TO MINIMUM 90% OF MAXIMUM STANDARD PROCTOR DENSITY. MAXIMUM STANDARD PROCTOR DENSITIES SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D698.
- ALL PROJECT SUBGRADE SHALL BE INSPECTED BY THE ENGINEER. IF THE ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, THE UNSATISFACTORY MATERIAL SHALL BE REMOVED AND REPLACED WITH COMPACTED BACKFILL SUCH ADDITIONAL AUTHORIZED EXCAVATION SHALL BE PAID FOR ACCORDING TO THE CONTRACT PROVISIONS FOR UNIT PRICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL FILL AND BACKFILL MATERIAL WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698. SOIL MATERIAL THAT EXCEEDS THE OPTIMUM MOISTURE CONTENT BY 3 PERCENT OR MORE, AND IS TOO WET TO COMPACT TO THE SPECIFIED DRY UNIT WEIGHT, SHALL BE SCARIFIED AND AIR DRIED, LIME STABILIZED, OR REMOVED AND REPLACED.
- CONTRACTOR SHALL PROVIDE ALL DRAINING MEASURES NECESSARY, INCLUDING WELL POINTS, SUMP PUMPS, TEMPORARY SHORING, ETC., TO ENSURE COMPLETION OF STABLE EXCAVATION AND BACKFILL OPERATIONS. GROUNDWATER SHALL BE MAINTAINED A MINIMUM OF 2 FT. BELOW THE BOTTOM OF ALL EXCAVATIONS.
- CONTRACTOR SHALL CONSULT WITH THE ENGINEER AND PROVIDE ANY AND ALL SHORING DETERMINED TO BE NECESSARY TO PROTECT EXISTING BUILDING FOUNDATIONS OR OTHER ADJACENT IMPROVEMENTS.
- ALL GRADED OR DISTURBED AREAS BEYOND THE LIMITS OF PAVING, SIDEWALKS, BUILDINGS, ETC., THAT ARE NOT OTHERWISE LANDSCAPED PER LANDSCAPING PLAN, SHALL BE STABILIZED WITH A NEW LAWN SEEDED IN ACCORDANCE WITH THE SEEDING AND SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN SEEDED AREAS UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.

NCSR 1700 - OLD TAR ROAD  
(60' R/W 24' PVMT PUBLIC)

CONSTRUCTION LIMITS (TYP.)

PROPOSED NATURAL GAS PIPING (TYP.)

TEMPORARY CLASS 'A' STONE CONSTRUCTION ENTRANCE/EXIT (SEE DETAIL 1607.01)

EX. 30' UTILITY & PEDESTRIAN ACCESS EASEMENT (REF: MB 85, PG 47)

NEW DITCH INV. 69.00

TEMPORARY SILT FENCE (TYP.)

EX. 4" GAS MAIN

EX. 4" PVC WATERLINE (EPWC)

EX. OVERHEAD UTILITIES

BENCHMARK  
RAILROAD SPIKE IN UTILITY POLE  
ELEV. 71.16'  
(NAVD 88)

EX. 4" PVC WATERLINE (EPWC)

EX. OVERHEAD UTILITIES

NEW STABILIZATION TIMEFRAMES  
(EFFECTIVE AUGUST 3, 2011)

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' 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' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE EXCEPT FOR PERIMETERS AND HQW ZONES.

CONSTRUCTION NOTES

- PAVED AREAS SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY EXCEPT FOR THE TOP 6" OF SUBGRADE WHICH SHALL BE COMPACTED TO 100% MAXIMUM DRY DENSITY IN ACCORDANCE WITH AASHTO-T99.
- ALL EARTHWORK SHALL BE IN ACCORDANCE WITH DIVISION 2 - "EARTHWORK" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL PIPE CULVERTS SHALL BE IN ACCORDANCE WITH DIVISION 3 - "PIPE CULVERTS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL MAJOR STRUCTURES SHALL BE IN ACCORDANCE WITH DIVISION 4 - "MAJOR STRUCTURES" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL SUBGRADE, BASES AND SHOULDERS SHALL BE IN ACCORDANCE WITH DIVISION 5 - "SUBGRADE, BASES AND SHOULDERS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL ASPHALT PAVEMENTS SHALL BE IN ACCORDANCE WITH DIVISION 6 - "ASPHALT PAVEMENTS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL CONCRETE PAVEMENTS AND SHOULDERS SHALL BE IN ACCORDANCE WITH DIVISION 7 - "CONCRETE PAVEMENTS AND SHOULDERS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL INCIDENTALS SHALL BE IN ACCORDANCE WITH DIVISION 8 - "INCIDENTALS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL SIGNING SHALL BE IN ACCORDANCE WITH DIVISION 9 - "SIGNING" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH DIVISION 10 - "MATERIALS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL SELECT FILL MATERIALS SHALL BE IN ACCORDANCE WITH DIVISION 10, SECTION 1016 - "SELECT MATERIALS" OF THE NCDOT STANDARD SPECIFICATIONS FOR SELECT MATERIALS: CLASS III, TYPE 2, DATED JANUARY 2018.
- ALL WORK ZONE TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DIVISION 11 - "WORK ZONE TRAFFIC CONTROL" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL PAVEMENT MARKINGS, MARKERS AND DELINEATION SHALL BE IN ACCORDANCE WITH DIVISION 12 - "PAVEMENT MARKINGS, MARKERS AND DELINEATION" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL LIGHTING SHALL BE IN ACCORDANCE WITH DIVISION 14 - "LIGHTING" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH DIVISION 15 - "UTILITY CONSTRUCTION" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL EROSION CONTROL AND ROADSIDE DEVELOPMENT SHALL BE IN ACCORDANCE WITH DIVISION 16 - "EROSION CONTROL AND ROADSIDE DEVELOPMENT" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- ALL SIGNALS AND INTELLIGENT TRANSPORTATION SYSTEMS SHALL BE IN ACCORDANCE WITH DIVISION 17 - "SIGNALS AND INTELLIGENT TRANSPORTATION SYSTEMS" OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES DATED JANUARY 2018.
- THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR THE CONSTRUCTION OF THE ROADWAY, DRAINAGE, WATER UTILITIES AND SEEDING FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE AND FINAL PAYMENT FROM THE OWNER.

REVIS: 07-06-2020 (NCDOT COMMENTS)(NRW)  
EXTENDED CONC. DRIVE TO 50' IN LENGTH

TOTAL DISTURBED AREA = 0.8 ACRE

GRAPHIC SCALE: 1" = 20'

SHEET 2 OF 2  
GRADING & STORM DRAINAGE PLAN

**GREENVILLE UTILITIES COMMISSION**

REFERENCE: MAP BOOK 85, PAGE 47 OF THE  
PITT COUNTY REGISTER OF DEEDS

WINTERVILLE TOWNSHIP, PITT COUNTY, N.C.

OWNER: GREENVILLE UTILITIES COMMISSION GAS DEPARTMENT  
ADDRESS: 801 MUMFORD ROAD  
GREENVILLE, NC 27834  
PHONE: (252) 551-1587

**Baldwin Design Consultants, PA**  
ENGINEERING - SURVEYING - PLANNING  
1700-D EAST ARLINGTON BOULEVARD  
GREENVILLE, NC 27609  
DESIGNED: MWB APPROVED: MWB  
DRAWN: NRW DATE: 06/03/2020  
CHECKED: MWB SCALE: 1" = 20'

X:\DRAWINGS\19-114-GUC - OLD TAR ROAD SHEETS\GRADING.dwg Tue, Jul 07, 2020 - 6:35am RWELLS

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1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ENSURING THAT ALL EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.  
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC., AS NECESSARY TO ENSURE SAFETY OF THE PUBLIC.  
3. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE PLACED ACCORDING TO THE STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, OR LOCAL JURISDICTION, WHICHEVER IS MORE STRINGENT.  
4. SHORING SHALL BE IN ACCORDANCE WITH OSHA LOCAL STANDARDS, 29 PART 1926, SUBPART, OR AS AMENDED.