

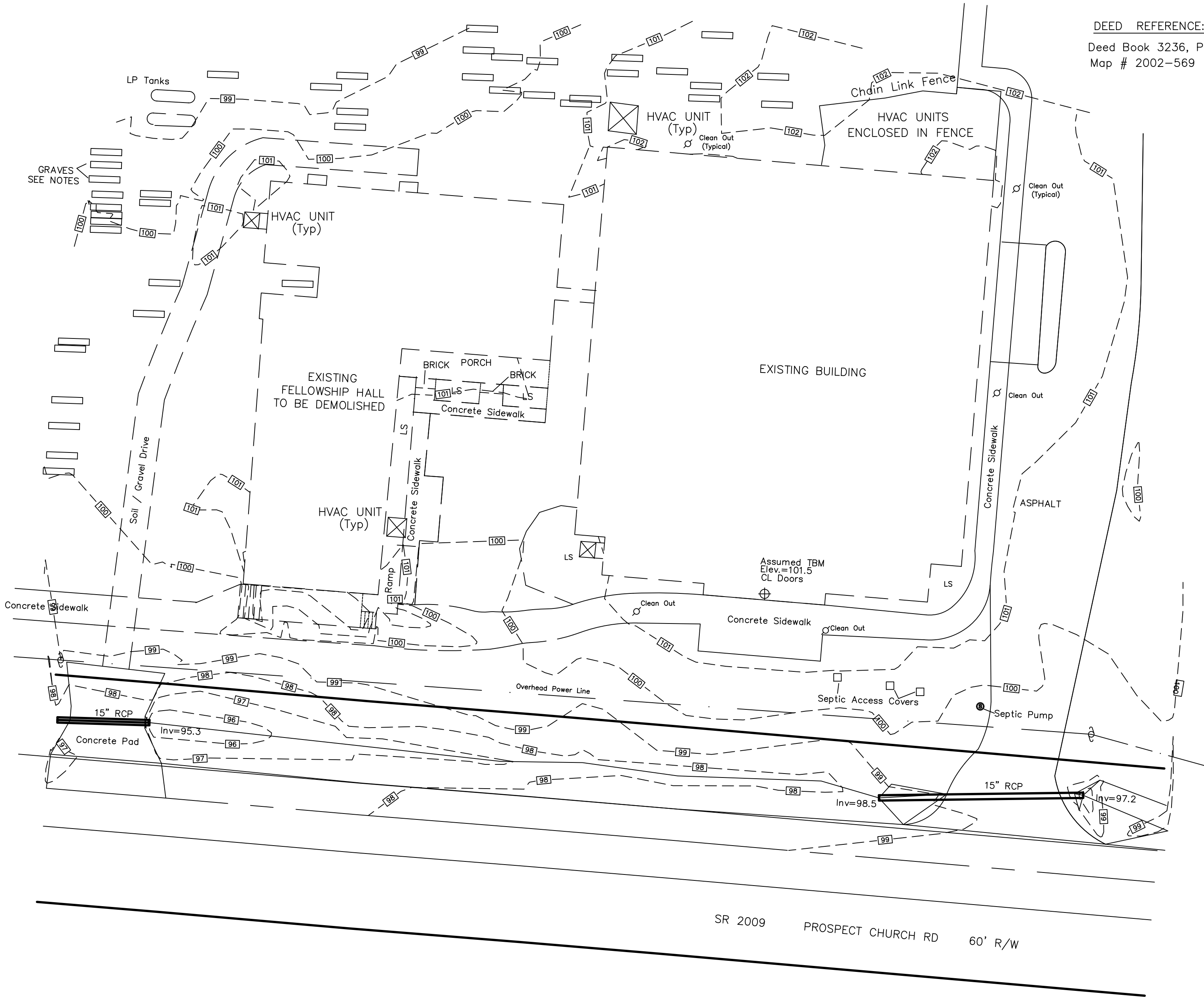
VICINITY MAP
(NTS)

STANDARD LEGEND

- WATER VALVE
WM - WATER METER
FH - FIRE HYDRANT
CP - CABLE PEDESTAL
TP - TELEPHONE PEDESTAL
EB - ELECTRIC BOX
FO - FIBER OPTIC
OHWPL - OVERHEAD POWER LINE
RIGHT OF WAY
CENTERLINE
UP - UTILITY POLE
PROPERTY LINE
EIPD - EXISTING IRON PIPE DISTURBED
EIP - EXISTING IRON PIPE
ECSD - EXISTING COTTON SPINDLE DISTURBED
EPW - EXISTING PK NAIL
EIS - EXISTING IRON STAKE
AL - AREA LIGHT

SURVEY NOTATION

- CP - COMPUTED POINT
EPK - EXISTING PK NAIL
EIP - EXISTING IRON PIPE
EIPD - EXISTING IRON PIPE DISTURBED
EIS - EXISTING IRON STAKE
ECMD - EXISTING CONCRETE MONUMENT DISTURBED
ECSD - EXISTING COTTON SPINDLE DISTURBED
ISS - IRON STAKE SET
RAW - RIGHT-OF-WAY



DEED REFERENCE:

Deed Book 3236, Page 460
Map # 2002-569

LEGEND:

- FIS - Found Iron Stake
FIP - Found Iron Pipe
SIP - Set Iron Pipe
FCM - Found Concrete Monument
FPK - Found P.K. Nail
PKS - Set P.K. Nail
FRB - Found Rebar
SRB - Set Rebar
R/W - Right of Way
CL - Centerline
CP - Computed Point
FRRS - Found Railroad Spike
SRRS - Set Railroad Spike
AXF - Found Axle
LS - Found Lightwood Knot
LS - Landscape Area

LINE LEGEND:

- Subject Tract Surveyed
Subject Tract Not Surveyed
Residual Lot Lines
Easement Line
Road Centerline
Surveyed Lines, R/W or Tie Line
Not to Scale

NOTES:

This property does not appear to be located within 2000 feet of N. C. Grid Monumentation.

All measurements shown are horizontal ground measurements unless otherwise noted.

Area calculated by computer.

Set #4 rebar at all corners unless otherwise indicated.

Adjoining References are From the County GIS Office and other sources and May Not Have Been Verified by this Office.

Some Graves had Exposed Vaults. Grave Locations are from Headstones and Exposed Vaults. Verify Locations Prior to construction

Verify Utilities Prior to Construction.

DEVELOPER INFORMATION

MT PISGAH FREE WILL BAPTIST CHURCH
145 PROSPECT CHURCH RD
ERWIN, NC 28339

PIN#0589-54-5134.000
DEED BOOK 1629, PG 542
MAP#2002-569

ZONED: RA-20M

LAND USE: CHURCH
TOTAL AREA:

SETBACKS:

FRONT - 35'
SIDE - 10'
REAR - 25'
CORNER - 20'

FLOOD INFORMATION - ZONE X
FIRM PANEL#3720058900J, DATED X10/03/2006

PUBLIC WATER IS AVAILABLE

LOT TO BE SERVED BY INDIVIDUAL SEPTIC SYSTEM

PROPERTY IS LOCATED IN WS-IV WATERSHED DISTRICT

PROPERTY LIES WITHIN ONE MILE OF A VOLUNTARY AGRICULTURAL DISTRICT

LOCATION:
145 PROSPECT CHURCH RD
ERWIN, NC 28339
HARNETT COUNTY
HARNETT COUNTY

PROPERTY OWNER/DEVELOPER:
MT PISGAH FREE WILL BAPTIST CHURCH
145 PROSPECT CHURCH RD
ERWIN, NC 28339

REVISIONS

FLEET TEMPLE
ENGINEERING PLLC
5245 Red Hill Church Road • Coats, NC 27521
910.658.2446 • fleet@templeengineering.com • P-2357

EXISTING CONDITIONS
FOR
MT PISGAH FREE WILL BAPTIST CHURCH
NEW BUILDING

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: N/A

C1.0

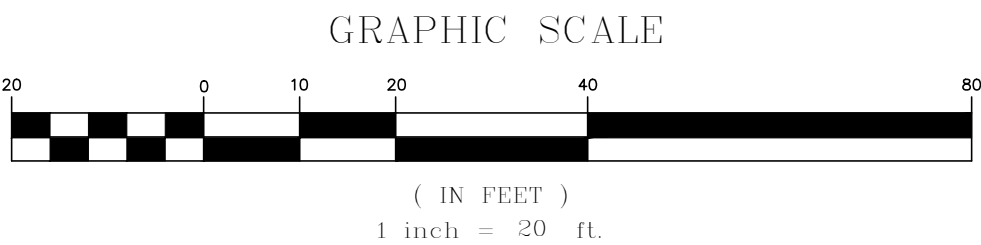
DATE: 10/04/2023

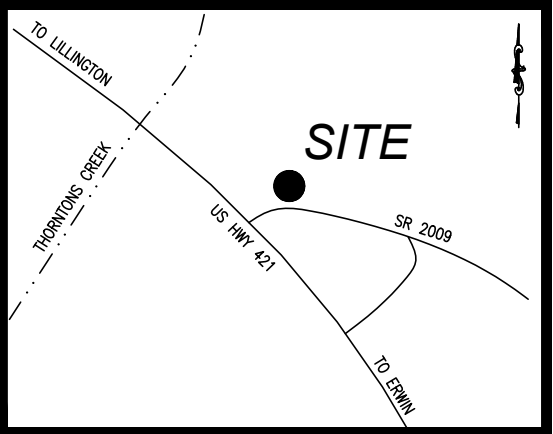


12/01/2023


I hereby certify that the Harnett County Development Review Board has approved this Site Plan pursuant to the regulations set forth by E-911 Addressing, Environmental Health, Fire Marshal, Harnett Regional Water. This project is subject to all federal, state, and local government regulations and applicable expiration periods.

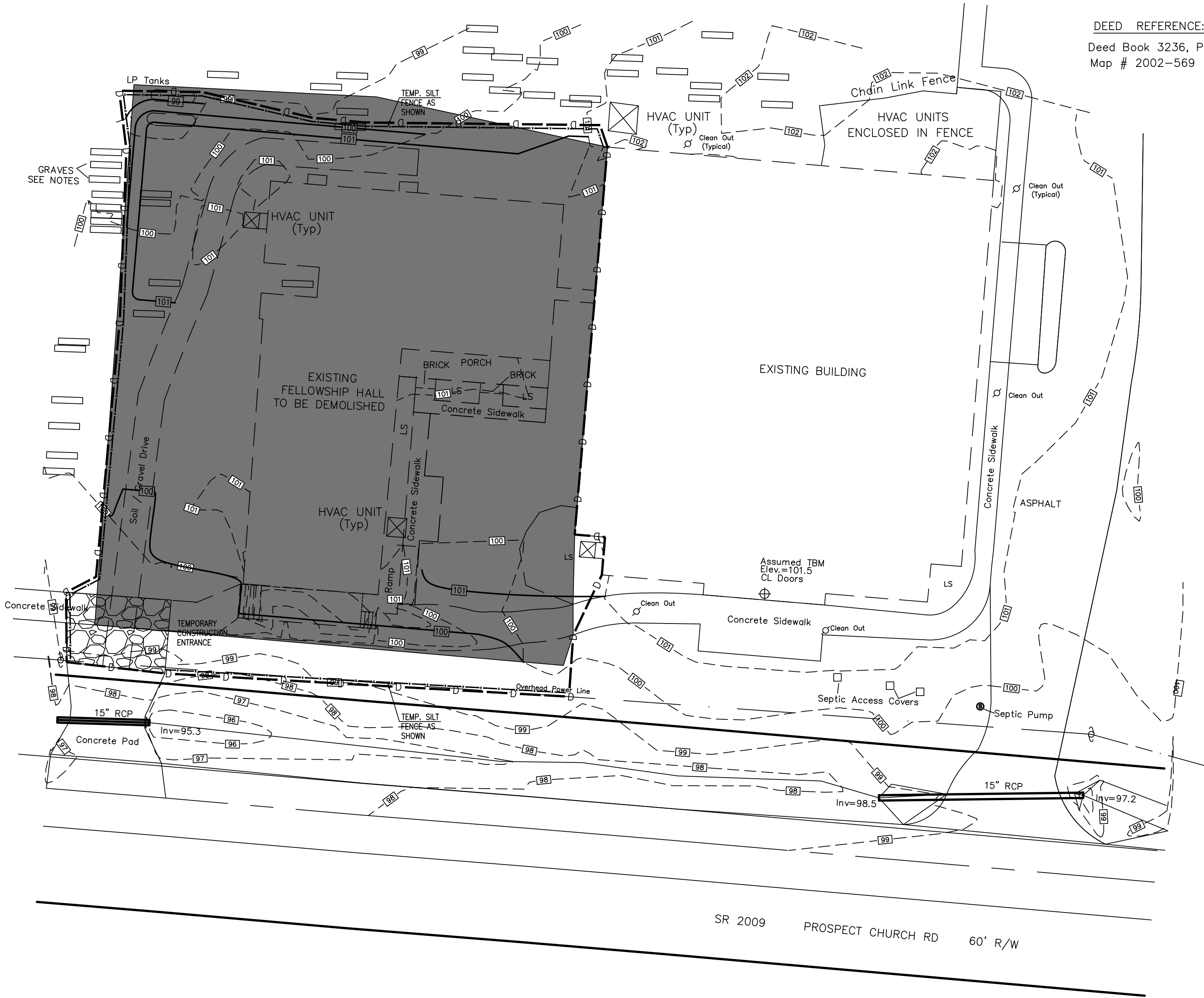
TOPOGRAPHIC SURVEY FURNISHED BY:
J. SCOTT WALKER, PLS
835 ABATOIR RD, COATS NC 27521
(910) 897-5753





VICINITY MAP
(NTS)

(SHADED AREA) 
ALL EXISTING BUILDING/SIDEWALK/HVAC/ACCESS DRIVE/
AND ANY OTHER ENCUMBRANCES WITHIN NEW BUILDING
CONSTRUCTION AREA IS TO BE DEMOLISHED AND DISPOSED
OF PER HARNETT COUNTY ORDINANCE.
EXISTING GRAVE SITES WITHIN LIMITS OF DEMOLITION AND
PER DIRECTION OF MT PISGAH CHURCH ARE TO BE
RELOCATED PER DIRECTION OF MT PISGAH CHURCH



DEED REFERENCE:
Deed Book 3236, Page 460
Map # 2002-569

- LEGEND:
- FIS..... Found Iron Stake
 - FIP..... Found Iron Pipe
 - SIP..... Set Iron Pipe
 - FCM..... Found Concrete Monument
 - FPK..... Found P.K. Nail
 - PKS..... Set P.K. Nail
 - FRB..... Found Rebar
 - SRB..... Set Rebar
 - R/W..... Right of Way
 - CL..... Centerline
 - CP..... Computed Point
 - FRRS..... Found Railroad Spike
 - SPRS..... Set Railroad Spike
 - AXF..... Found Axle
 - FLX..... Found Lightwood Knot
 - LS..... Landscape Area

- LINE LEGEND:
- Subject Tract Surveyed
 - Subject Tract Not Surveyed
 - Residual Lot Lines
 - Easement Line
 - Road Centerline
 - Surveyed Lines, R/W or Tie Line
 - Not to Scale

NOTES:

This property does not appear to be located within 2000 feet of N. C. Grid Monumentation.

All measurements shown are horizontal ground measurements unless otherwise noted.

Area calculated by computer.

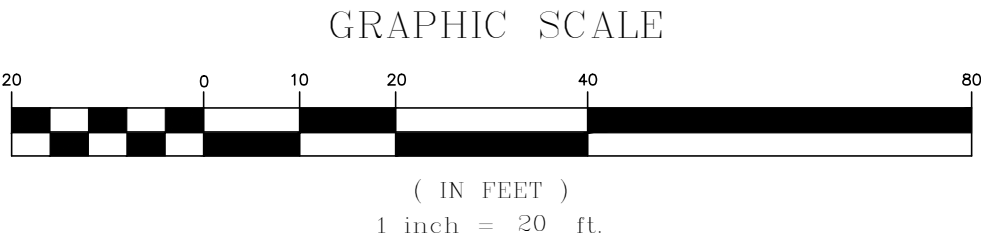
Set #4 rebar at all corners unless otherwise indicated.

Adjoining References are From the County GIS Office and other sources and May Not Have Been Verified by this Office.

Some Graves had Exposed Vaults. Grave Locations are from Headstones and Exposed Vaults. Verify Locations Prior to construction

Verify Utilities Prior to Construction.

TOPOGRAPHIC SURVEY FURNISHED BY:
FOR
J. SCOTT WALKER, PLS
835 ABATTOIR RD, COATS NC 27521
(910) 897-5753



DEMOLITION PLAN
FOR
MT PISGAH FREE WILL BAPTIST CHURCH
NEW BUILDING

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: N/A

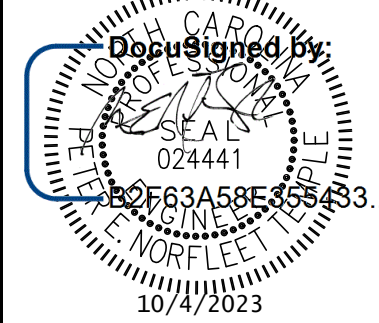
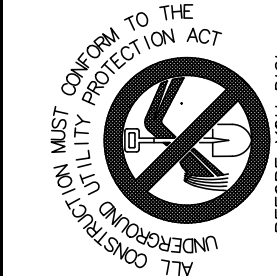
DATE: 10/04/2023

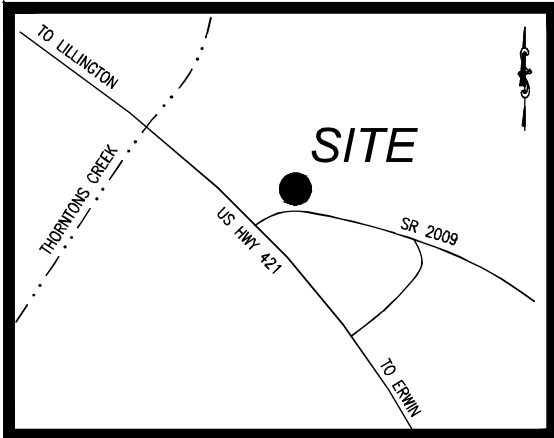
C2.0

 **FLEET TEMPLE**
ENGINEERING PLLC
5245 Red Hill Church Road • Coats, NC 27521
910.658.2446 • fleet@templeengineering.com • P-2357

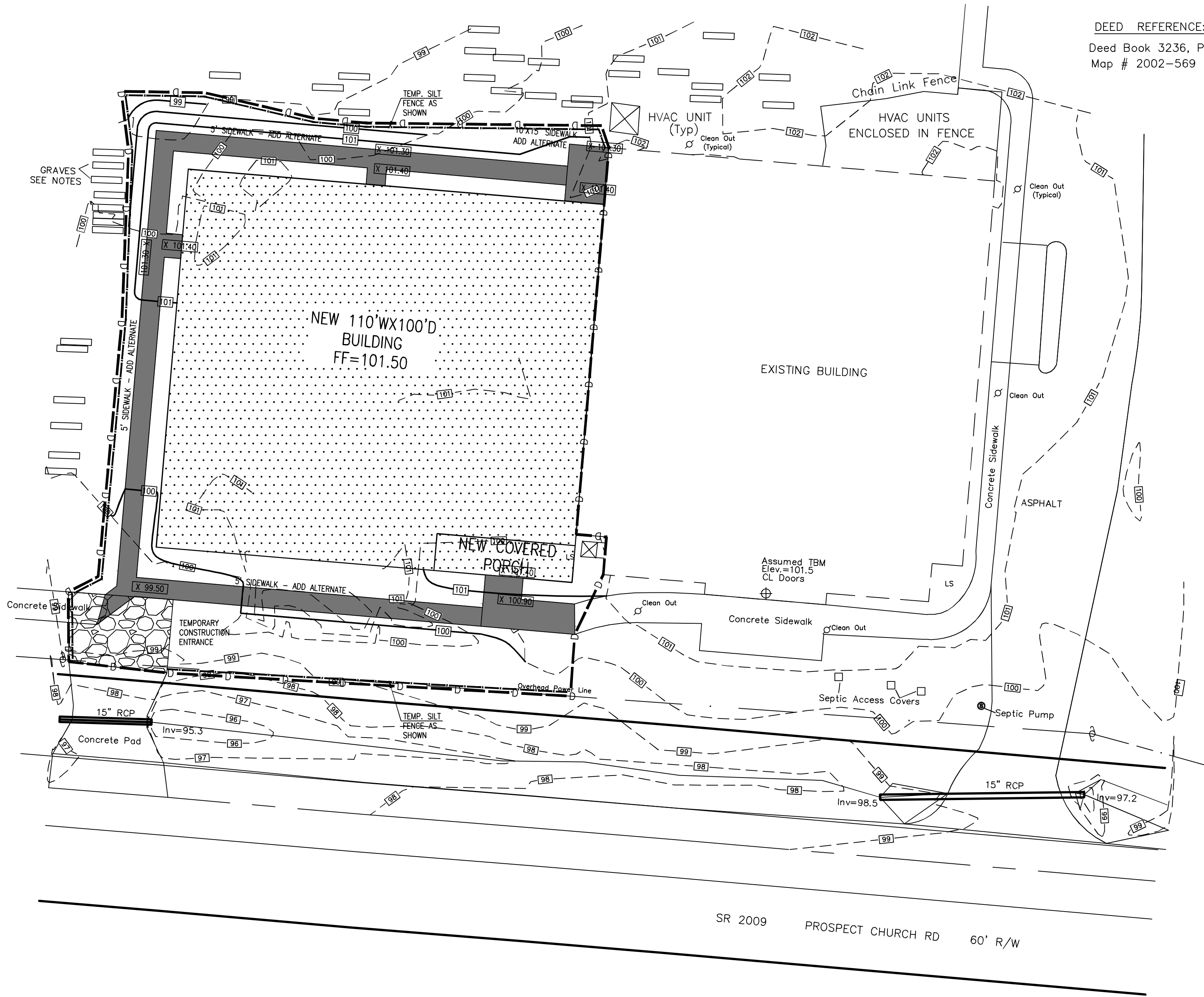
REVISIONS

LOCATION:
145 PROSPECT CHURCH RD
ERWIN, NC 28339
HARNETT COUNTY
PROPERTY OWNER/DEVELOPER:
MT PISGAH FREE WILL BAPTIST CHURCH
145 PROSPECT CHURCH RD
ERWIN, NC 28339





VICINITY MAP
(NTS)



DEED REFERENCE:
Deed Book 3236, Page 460
Map # 2002-569

- LEGEND:
- FIS.....Found Iron Stake
 - FIP.....Found Iron Pipe
 - SIP.....Set Iron Pipe
 - FCM.....Found Concrete Monument
 - FPK.....Found P.K. Nail
 - PKS.....Set P.K. Nail
 - FRB.....Found Rebar
 - SRS.....Set Rebar
 - R/W.....Right of Way
 - CL.....Centerline
 - CP.....Computed Point
 - FRRS.....Found Railroad Spike
 - SRRS.....Set Railroad Spike
 - AVS.....Found Aisle
 - FLK.....Found Lightwood Knot
 - LS.....Landscape Area

- LINE LEGEND:
- Subject Tract Surveyed
 - Subject Tract Not Surveyed
 - Residual Lot Lines
 - Easement Line
 - Road Centerline
 - Surveyed Lines, R/W or Tie Line
 - Not to Scale

NOTES:

This property does not appear to be located within 2000 feet of N. C. Grid Monumentation.

All measurements shown are horizontal ground measurements unless otherwise noted.

Area calculated by computer.

Set #4 rebar at all corners unless otherwise indicated.

Adjoining References are From the County GIS Office and other sources and May Not Have Been Verified by this Office.

Some Graves had Exposed Vaults. Grave Locations are from Headstones and Exposed Vaults. Verify Locations Prior to construction

Verify Utilities Prior to Construction.

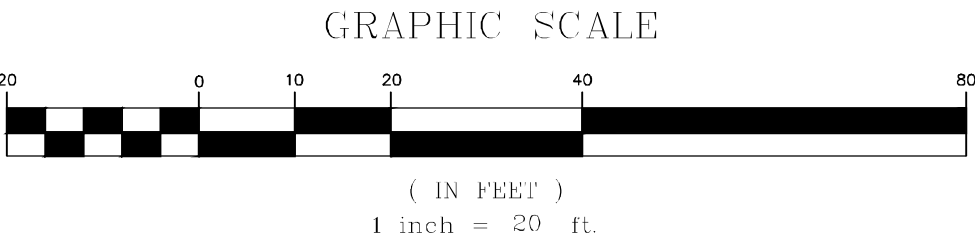
CERTIFICATION OF OWNERSHIP AND DEDICATION

I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF HARNETT COUNTY, NORTH CAROLINA AND THAT I HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY FREE CONSENT, ESTABLISH MINIMUM BUILDING SETBACK LINES, AND DEDICATE ALL STREETS, ALLEYS, WALKS, PARKS, AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED. FURTHERMORE, I HEREBY DEDICATE ALL SANITARY SEWER AND WATER LINES TO THE COUNTY OF HARNETT.

11.30.2023
DATE

DocuSigned by:
Mr. Grady Blue
OWNER

TOPOGRAPHIC SURVEY FURNISHED BY:
J. SCOTT WALKER, PLS
835 ABATTOIR RD, COATS NC 27521
(910) 897-5753



- TEMPORARY SILT FENCE (TSF)
LIMITS OF DISTURBED AREA
TOTAL DISTURBED AREA=0.4 ACRES
- EXISTING CONTOUR
FINISH GRADE CONTOUR

- CONSTRUCTION SEQUENCE
- SCHEDULE A PRE-CONSTRUCTION MEETING WITH JCPU PRIOR TO BEGINNING ANY WORK.
- 1) INSTALL THE TEMPORARY CONSTRUCTION ENTRANCE.
 - 2) INSTALL EROSION CONTROL MEASURES AS SHOWN ON PLANS.
 - 3) COMPLETE INSTALLATION OF SITE DRAINAGE NETWORKS AND SITE SWALES WITH ASSOCIATED EROSION CONTROL PROTECTION BEFORE BEGINNING SITE GRADING.
 - 4) STRIP TOPSOIL.
 - 5) GRADE SITE.
 - 6) GRASS AREAS THAT WILL NOT BE DISTURBED.
 - 7) INSTALL UTILITIES.
 - 8) SEED AND MULCH ALL AREAS TO PROVIDE PERMANENT GROUND COVER WITHIN 7 OR 14 WORKING DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING, AND WITHIN 90 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
 - 9) MAINTAIN ALL TEMPORARY MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 - 10) NO SEDIMENT OR EROSION CONTROL MEASURES ARE TO BE REMOVED WITHOUT THE APPROVAL OF HARNETT COUNTY DEVELOPMENT SERVICES

DocuSigned by:
J. Scott Walker
02/24/23
32363458756933
10.04.2023

DocuSigned by:
J. Scott Walker
02/24/23
32363458756933
10.04.2023

LOCATION:
145 PROSPECT CHURCH RD
HARNETT COUNTY
HARNETT COUNTY
PROPERTY OWNER/DEVELOPER:
MT PISGAH FREE WILL BAPTIST CHURCH
145 PROSPECT CHURCH RD
HARNETT, NC 28539

REVISIONS

FLEET TEMPLE
ENGINEERING PLLC

5245 Red Hill Church Road • Coats, NC 27521
910.658.2446 • fleet@templeengineering.com • P-2557

SITE & GRADING PLAN
FOR
MT PISGAH FREE WILL BAPTIST CHURCH
NEW BUILDING

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: N/A

DATE: 10/04/2023

C3.0

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
(d) Slopes 3:1 to 4:1	14	- 7 days for slopes greater than 50' in length and with slopes steeper than 4:1 - 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones - 10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	- 7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones - 10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none">• Temporary grass seed covered with straw or other mulches and tackifiers• Hydrosseeding• Rolled erosion control products with or without temporary grass seed• Appropriately applied straw or other mulch• Plastic sheeting	<ul style="list-style-type: none">• Permanent grass seed covered with straw or other mulches and tackifiers• Geotextile fabrics such as permanent soil reinforcement matting• Hydrosseeding• Shrubs or other permanent plantings covered with mulch• Uniform and evenly distributed ground cover sufficient to restrain erosion• Structural methods such as concrete, asphalt or retaining walls• Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants.
2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
3. Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
4. Provide ponding area for containment of treated Stormwater before discharging offsite.
5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

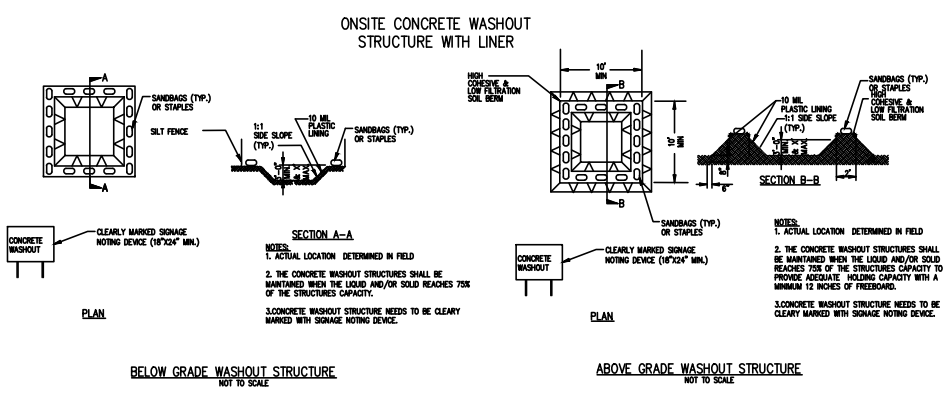
1. Do not pump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled, sized and placed appropriately for the needs of site.
5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
4. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
5. Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
6. Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
7. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
8. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify the location.
9. Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
3. Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drain, ground water or surface water. If a spill occurs, clean area immediately.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

1. Create designated hazardous waste collection areas on-site.
2. Place hazardous waste containers under cover or in secondary containment.
3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

MULCHING

IMMEDIATELY AFTER SEED AREA SOWN, MULCH THE ENTIRE AREA EVENLY WITH A LAYER OF WHEAT STRAW TO PROTECT AREA FROM EROSION. MULCH TO BE APPLIED AT A RATE OF 75-100 LBS. PER 1000 SQUARE FEET.

SECURING MULCH:

THE MULCH SHALL BE HELD IN PLACE BY EMULSIFIED ASPHALT BINDER ON SLOPES 2 TO 1 OR STEEPER, OR AS REQUIRED. APPLY ASPHALT AT 0.10 GALLON PER SQUARE YARD. IN HEAVY TRAFFIC AREAS, USE TYPE "RS" OR "ORS" TO MINIMIZE REMOVAL OF TACK COAT. SYNTHETIC BINDERS MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR THE MULCH.

TEMPORARY CHANNEL LININGS IF REQUIRED SHALL BE INSTALLED IN AREAS AS SHOWN ON PLANS, OR AS REQUIRED TO PREVENT EROSION. LININGS AREA TO BE LEFT IN PLACE THROUGHOUT PERMANENT SEEDING PROCEDURE.

MAINTENANCE

- I. TEMPORARY SEEDING:
 - RESEED AND MULCH AREAS WHERE SEEDLING EMERGENCE IS POOR, OR WHERE EROSION OCCURS, AS SOON AS POSSIBLE. DO NOT MOW. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE.
- II. PERMANENT SEEDING:
 - GENERALLY, A STAND OF VEGETATION CANNOT BE DETERMINED TO BE FULLY ESTABLISHED UNTIL SOIL COVER HAS BEEN MAINTAINED FOR ONE FULL YEAR FROM PLANTING. INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RESEEDINGS WITHIN THE SAME SEASON, IF POSSIBLE.

RESEEDING—IF A STAND HAS INADEQUATE COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE-ESTABLISH THE STAND AFTER SEEDED PREPARATION OR OVER-SEED THE STAND. CONSIDER SEEDING TEMPORARY, ANNUAL SPECIES IF THE TIME OF YEAR IS NOT APPROPRIATE FOR PERMANENT SEEDING.

VEGETATION MAINTENANCE:

IF A STAND HAS INADEQUATE COVER, RE-EVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE-ESTABLISH THE STAND AFTER SEEDED PREPARATION OR OVER-SEED THE STAND. CONSIDER SEEDING TEMPORARY, ANNUAL SPECIES IF THE TIME OF THE YEAR IS NOT APPROPRIATE FOR PERMANENT SEEDING.

DESIGN CRITERIA

AGGREGATE SIZE - USE 2-3 INCH WASHED STONE.

DIMENSIONS OF GRAVEL PAD:

THICKNESS: 6 INCHES MINIMUM
WIDTH: 12-FEET MINIMUM OR FULL WIDTH AT ALL POINTS OF VEHICULAR ENTRANCE AND EXIT
AREA, WHICHEVER IF
LENGTH: 50-FEET MINIMUM

LOCATION - LOCATE CONSTRUCTION ENTRANCES AND EXITS TO LIMIT SEDIMENT FROM LEAVING THE SITE AND TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. AVOID STEEP GRADES, AND ENTRANCES AT CURVES IN PUBLIC ROADS.

WASHING - IF CONDITIONS AT THE SITE ARE SUCH THAT MOST OF THE MUD AND SEDIMENT ARE NOT REMOVED BY VEHICLES TRAVELING OVER THE GRAVEL, THE TIRES SHOULD BE WASHED. WASHING SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER SUITABLE DISPOSAL AREA. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.

CONSTRUCTION SPECIFICATIONS

1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.
2. PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT.
3. PROVIDE DRAINAGE TO CARRY WATER TO SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
4. USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

MAINTENANCE

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPDRESSING 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.

CONSTRUCTION

1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFICIENT TO CAUSE FAILURE OF THE STRUCTURE).
3. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH A 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
4. SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
6. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
7. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER (FIGURE 6.6.2).
8. PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
9. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
10. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.
11. NO MEASURES ARE TO BE REMOVED UNTIL DENR APPROVAL.

INSTALLATION SPECIFICATIONS

1. THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ONE FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY.
2. INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 2 FEET DEEP ON THE DOWNSLOPE SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC. DRIVING POSTS TO SUPPORT THE FABRIC FROM UPSLOPE WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF FABRIC. ATTACH EACH TIE DIAGONALLY AS DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 4 INCHES APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES. MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
7. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION.
8. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSLOPE SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF 4 TRIPS.

MAINTENANCE

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A 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.

SILT FENCE DETAIL

(NOT TO SCALE)

SILT FENCE DETAIL

(NOT TO SCALE)

NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If visible sedimentation is found outside site limits, then a record of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or off-site (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item 2(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover), 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time period or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item 2(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sized, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the site or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site

In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
 - (b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- 3. Documentation to be Retained for Three Years**
- All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. Occurrences that Must be Reported

- Permittees shall report the following occurrences:
- (a) Visible sediment deposition in a stream or wetland.
 - (b) Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
 - (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
 - (d) Anticipated bypasses and unanticipated bypasses.
 - (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification.• Within 24 hours, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis.• If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 2(b)-(c) above	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none">• A report not less than ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none">• Within 24 hours, an oral or electronic notification.• Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.• Within 24 hours, an oral or electronic notification.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	<ul style="list-style-type: none">• Within 7 calendar days, a report that contains a description of the noncompliance, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. [40 CFR 122.41(l)(6).• Division staff may waive the requirement for a written report on a case-by-case basis.

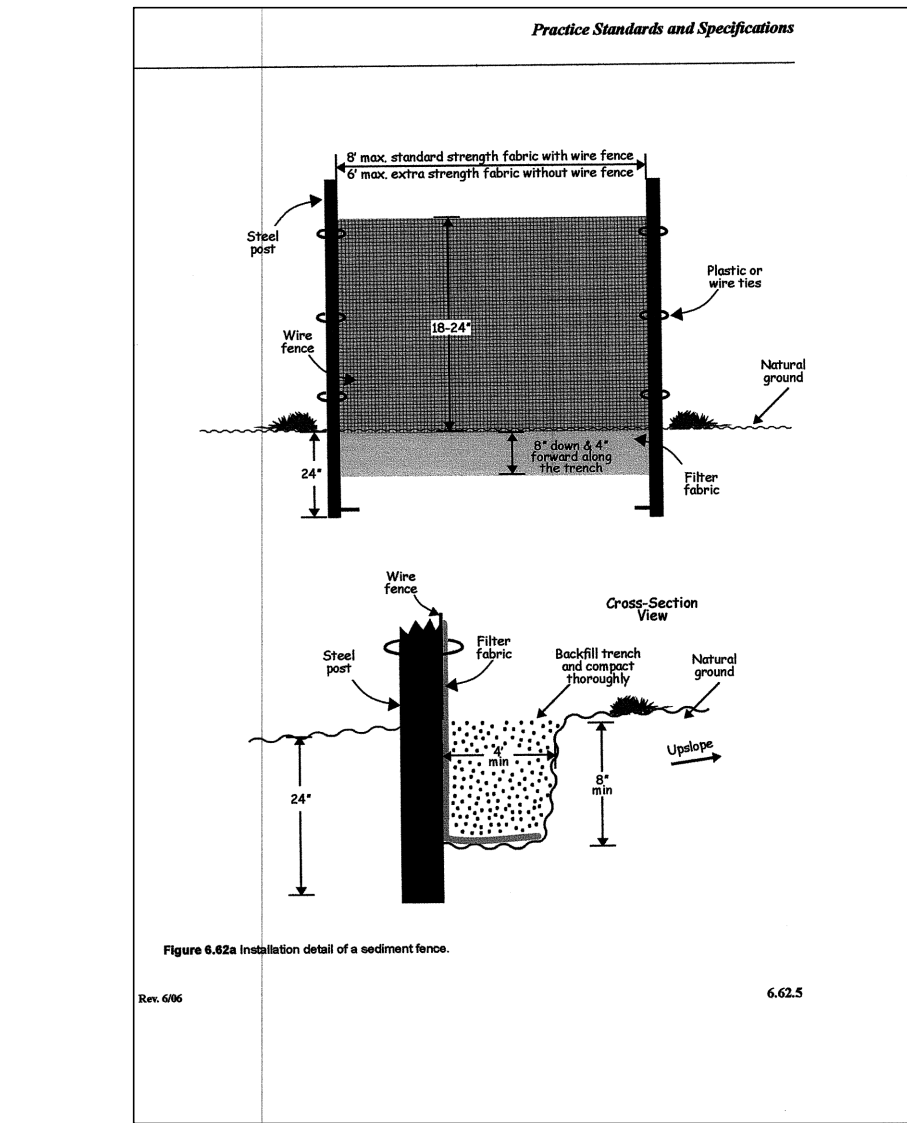


Figure 6.6.2a: Silt fence detail of a standard fence.

SILT FENCE DETAIL

(NOT TO SCALE)



LOCATION:
145 PROSPECT CHURCH RD
ERWIN, NC 28359
7100 SOUTH
HARNETT COUNTY
PROPERTY OWNER/DEVELOPER:
MT PISGAH FREE WILL BAPTIST CHURCH
145 PROSPECT CHURCH RD
ERWIN, NC 28359

REVISIONS

FLEET TEMPLE
ENGINEERING
PLLC
5245 Red Hill Church Road • Coats, NC 27521
910.658.2446 • fleet@flemplingengineering.com • P-2357

DETAILS
FOR
MT PISGAH FREE WILL BAPTIST CHURCH
NEW BUILDING

HORIZONTAL SCALE: N/A
VERTICAL SCALE: N/A

DATE: 10/4/2023