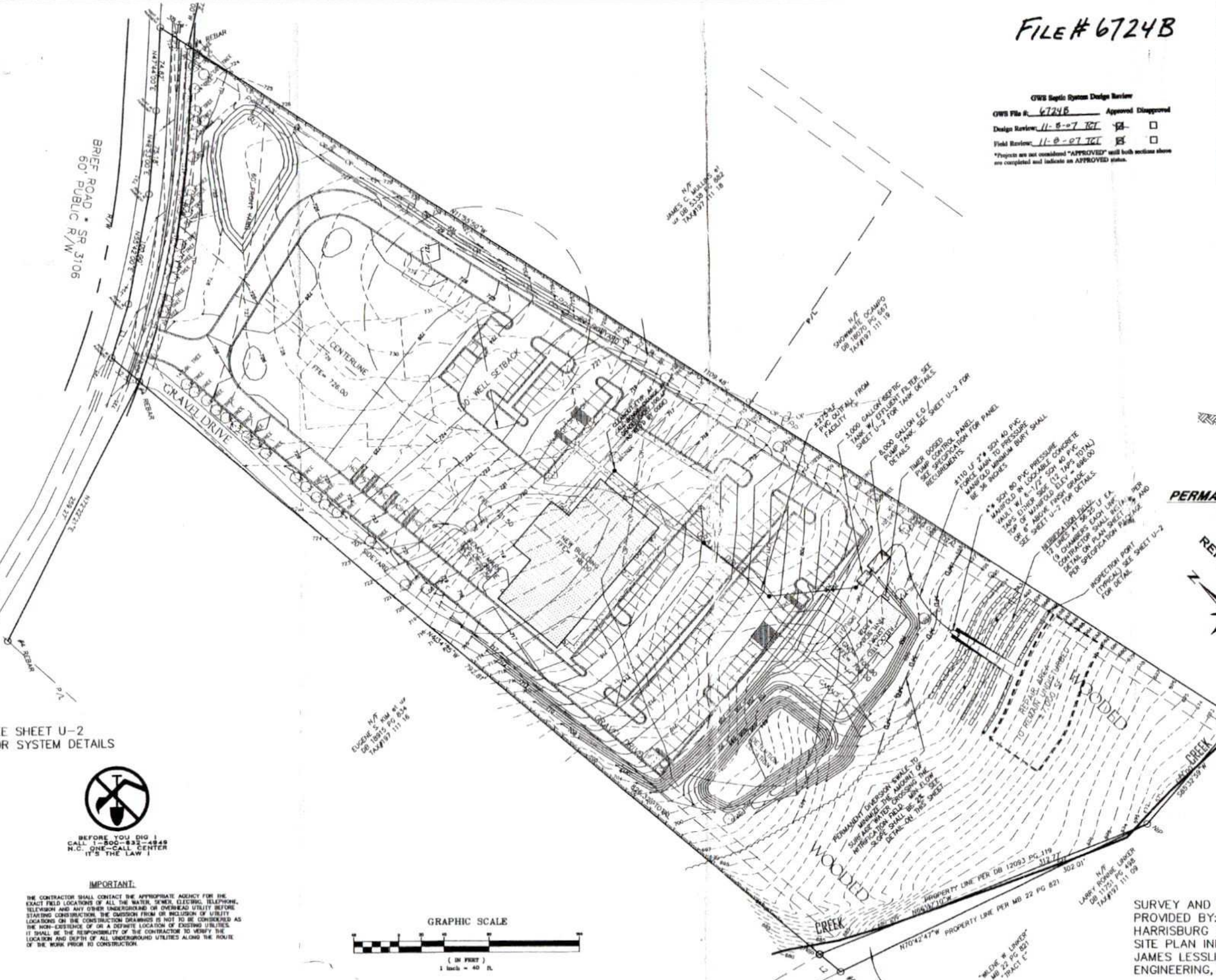
FILE # 6724B

GWS Septic System Design Review

GWS File #: 6724B

		Approved	Disapproved
Design Review:	11-8-07 TCT	☒	☐
Field Review:	11-8-07 TCT	☒	☐

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.



SEE SHEET U-2
FOR SYSTEM DETAILS

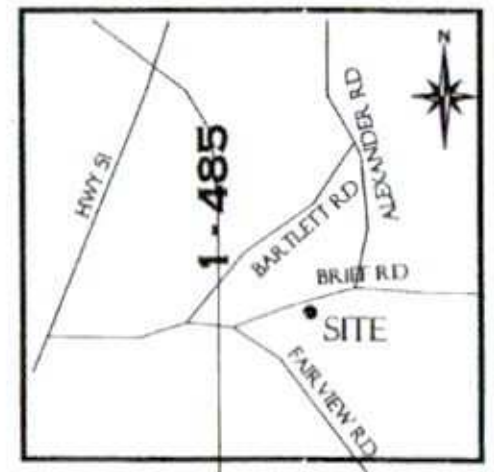
BEFORE YOU DIG !
CALL 1-800-632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW !

IMPORTANT:

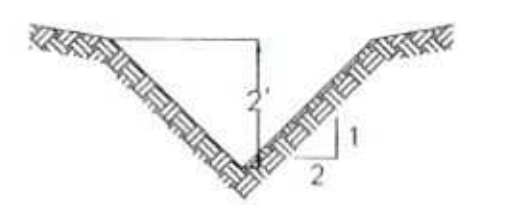
THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AGENCY FOR THE EXACT FIELD LOCATIONS OF ALL THE WATER, SEWER, ELECTRIC, TELEPHONE, TELEVISION AND ANY OTHER UNDERGROUND OR OVERHEAD UTILITY BEFORE STARTING CONSTRUCTION. THE OMISSION FROM OR INCLUSION OF UTILITY LOCATIONS ON THE CONSTRUCTION DRAWINGS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK PRIOR TO CONSTRUCTION.

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.



VICINITY MAP
NO SCALE



PERMANENT DIVERSION SWALE
NOT TO SCALE

SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY:
HARRISBURG SURVEYING
SITE PLAN INFORMATION PROVIDED BY:
JAMES LESSLIE ARCHITECTURE & FLEHAN ENGINEERING, INC.

File #6724B

Location: PR-31

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.

Owner: ______ Approved: ______ Date of Issue: ______

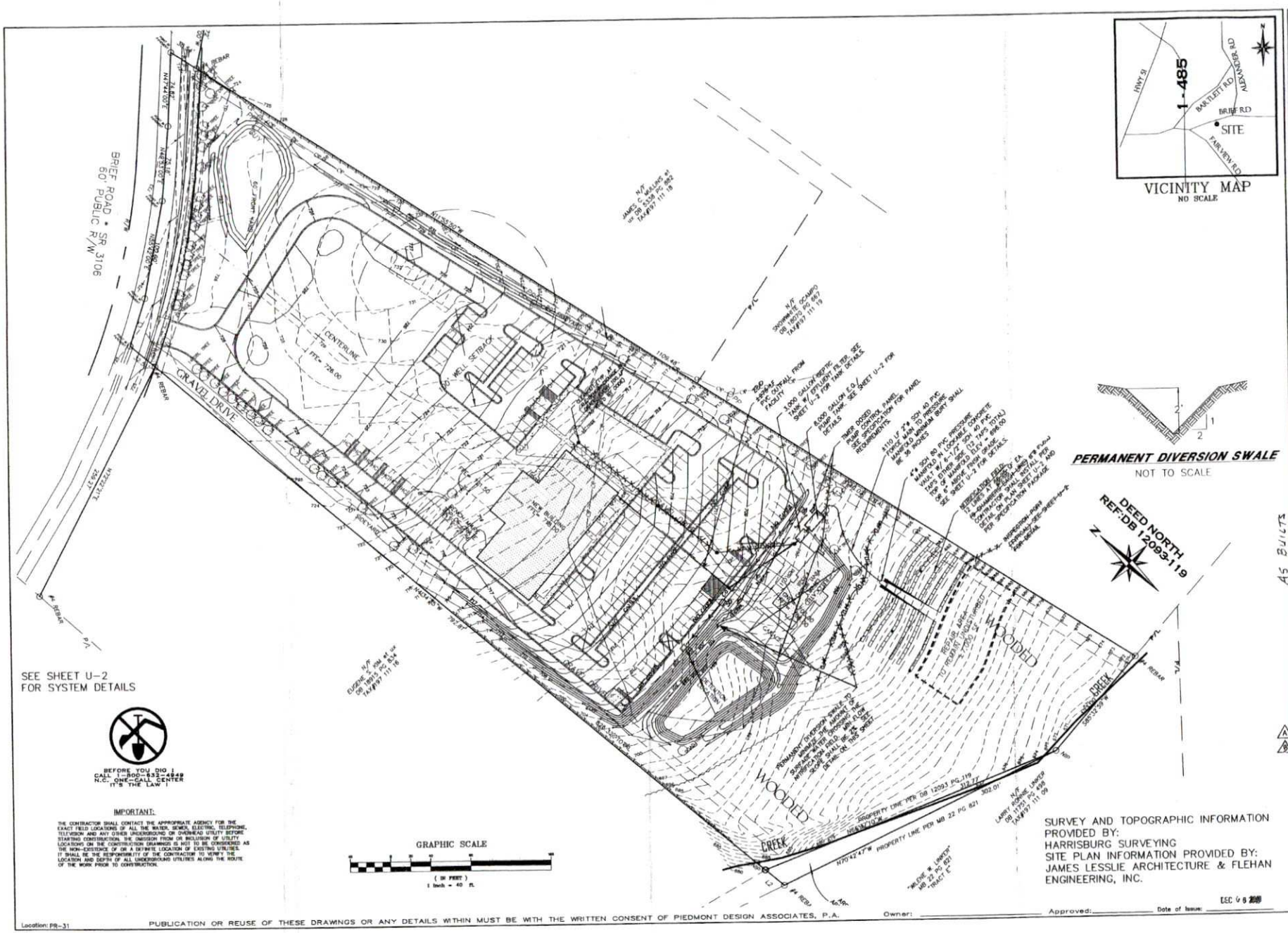
PIEDMONT DESIGN
ENGINEERING • SURVEYING • PLANNING
Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone:(704) 664-7888 Fax:(704) 664-1778 www.pdapa.com

PREPARED FOR:
JAMES W. LESSLIE, III ARCHITECTURE, INC.
13608 ANDULUSIAN DRIVE
MATTHEWS, NC 28105
704-847-4305

SEPTIC SYSTEM SITE PLAN
MINT HILL PRESBYTERIAN CHURCH
8528 BRIEF ROAD
MINT HILL, MECKLENBURG COUNTY, NORTH CAROLINA

REVISIONS	BY
REVISED PER REQUEST BY CLIENT TO MOVE FIELD (7/31/07)	DMD

Date: 9/28/06
Scale: 1" = 40 FT, 1' COUTOURS
Drawn: DMD
Checked: DLM
Job: 06-00-10
Sheet: U-1
A 7/31/07
of 2 Sheets



BEFORE YOU DIG !
CALL 1-800-632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW !

IMPORTANT:

THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AGENCY FOR THE EXACT FIELD LOCATIONS OF ALL THE WATER, SEWER, ELECTRIC, TELEPHONE, TELEVISION AND ANY OTHER UNDERGROUND OR OVERHEAD UTILITY BEFORE STARTING CONSTRUCTION. THE OMISSION FROM OR INCLUSION OF UTILITY LOCATIONS ON THE CONSTRUCTION DRAWINGS IS NOT TO BE CONSIDERED AS THE NON-EXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK PRIOR TO CONSTRUCTION.

PREPARED BY:
PIEDMONT DESIGN
Associates, P.A.
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Mooresville, North Carolina 28115
Phone: (704) 664-1888 Fax: (704) 664-1778 www.pdainc.com

PREPARED FOR:
JAMES T. LESSLIE, III ARCHITECTURE, INC.
13608 ANDULUSIAN DRIVE
MATTHEWS, NC 28105
704-847-4305

SEPTIC SYSTEM SITE PLAN
MINT HILL PRESBYTERIAN CHURCH
8528 BRIEF ROAD
MINT HILL, MECKLENBURG COUNTY, NORTH CAROLINA

REVISIONS	BY
REVISED PER REQUEST TO MOVE FIELD (1/31/07)	DMD
3/16/07	DMD

Date: 9/28/06
Scale: 1" = 40 FT.
1' CONTOURS
Drawn: DMD
Checked: DLM
Job: 06-00-10
Sheet: U-1
7/31/07
12/7/07

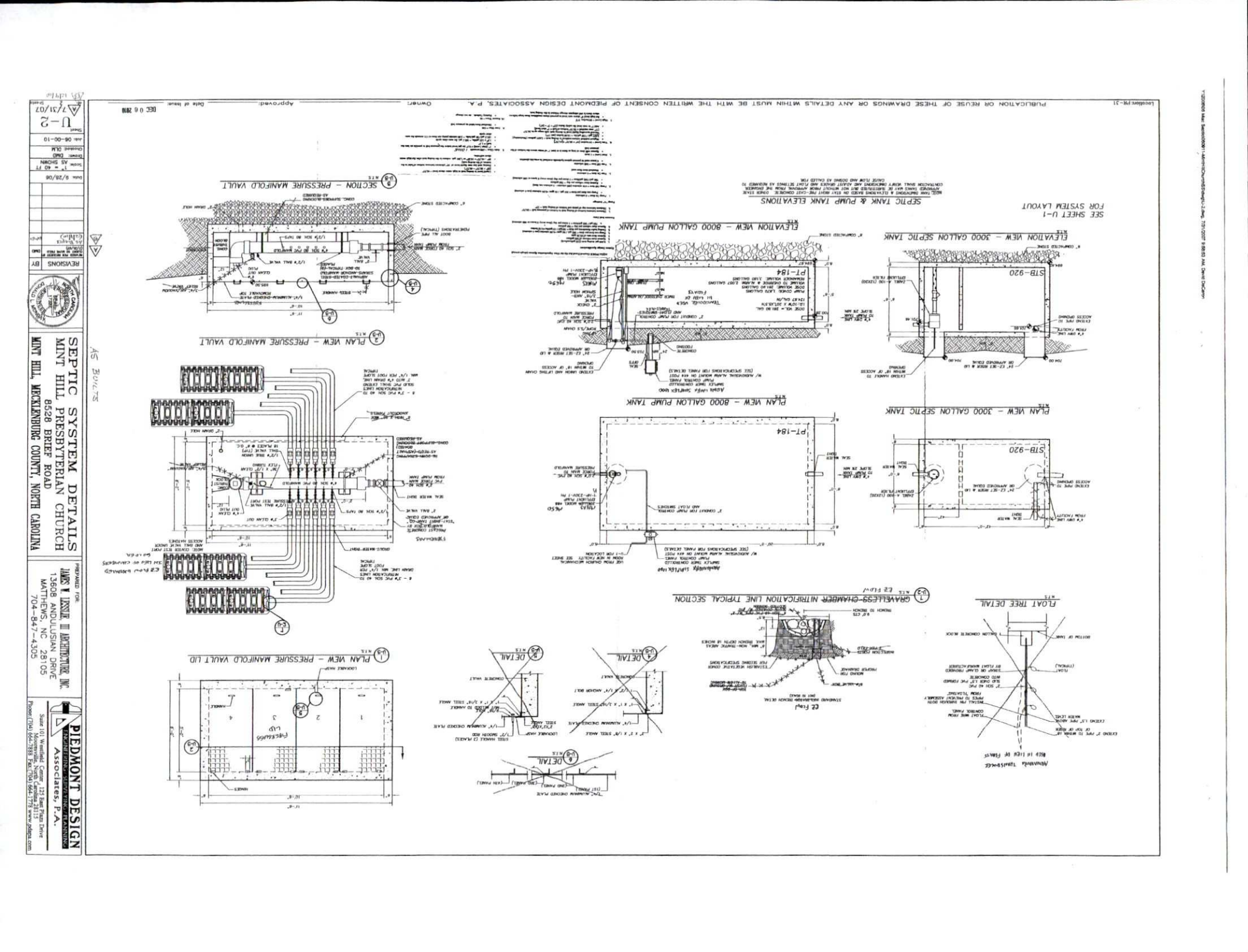
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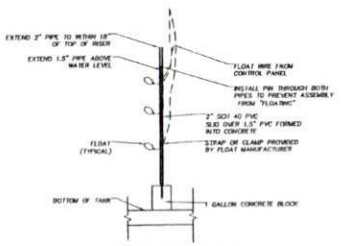
PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.

Location: PR-31

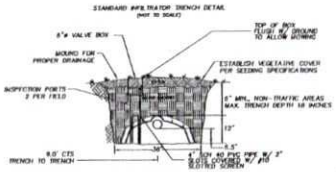
Owner: _____ Approved: _____ Date of Issue: _____

DEC 06 2007

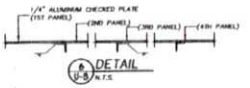

SEPTIC SYSTEM DETAILS
MINT HILL PRESBYTERIAN CHURCH
8528 BRIEF ROAD
MINT HILL, MECKLENBURG COUNTY, NORTH CAROLINA
PREPARED FOR:
JAMES T. LEXUS III ARCHITECTURE, INC.
13608 ANDULUSIAN DRIVE
MATTHEWS, NC 28105
704-847-4305
PIEDMONT DESIGN
Associates, P.A.
Suite 101 Westfield Center 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone (704) 664-7888 Fax (704) 664-7779 www.pdapa.com
REVISIONS
Date 9/28/06
Scale 1" = 40 FT
Drawn CMD
Checked DLM
Job 06-00-10
Sheet U-2
7/31/07
SEPTIC TANK & PUMP TANK ELEVATIONS
SEE SHEET U-1 FOR SYSTEM LAYOUT
ELEVATION VIEW - 8000 GALLON PUMP TANK
ELEVATION VIEW - 3000 GALLON SEPTIC TANK
PLAN VIEW - 8000 GALLON PUMP TANK
PLAN VIEW - 3000 GALLON SEPTIC TANK
SECTION - PRESSURE MANIFOLD VAULT
PLAN VIEW - PRESSURE MANIFOLD VAULT
PLAN VIEW - PRESSURE MANIFOLD VAULT LID
GRAVELLESS-CHAMBER NITRIFICATION LINE TYPICAL SECTION
FLOAT TREE DETAIL
DETAIL
AS BUILTS
DEC 06 2006
PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.
Owner: Approved: Date of Issue:



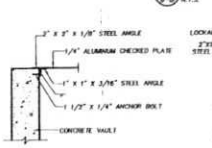
FLOAT TREE DETAIL
N.T.S.



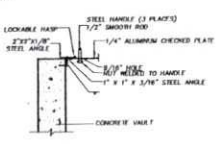
7 U-2 N.T.S. GRAVELLESS CHAMBER NITRIFICATION LINE TYPICAL SECTION



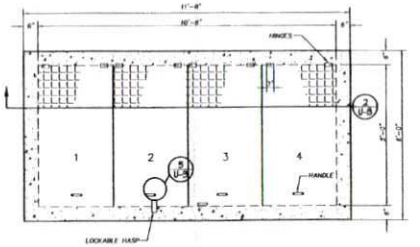
6 U-5 N.T.S. DETAIL



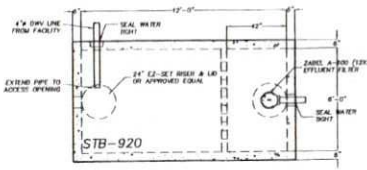
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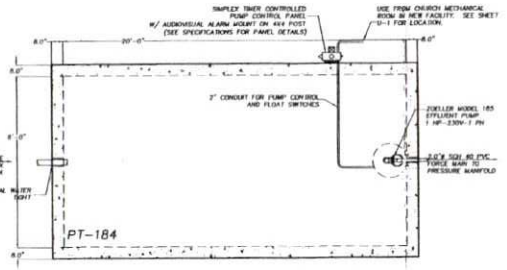
5 U-5 N.T.S. DETAIL



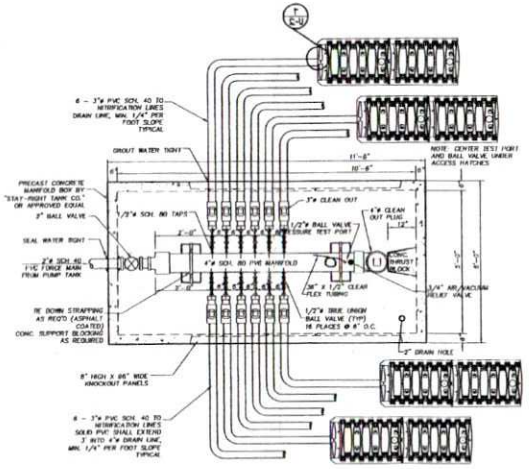
1 U-5 N.T.S. PLAN VIEW – PRESSURE MANIFOLD VAULT LID



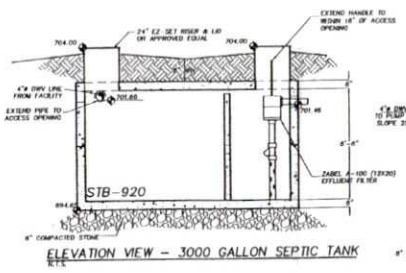
PLAN VIEW – 3000 GALLON SEPTIC TANK
N.T.S.



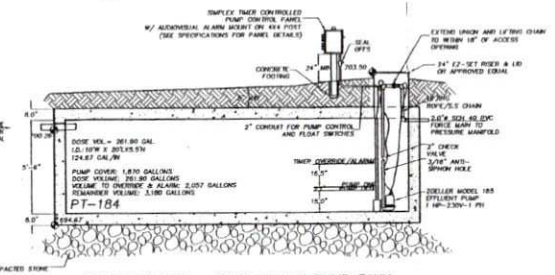
PLAN VIEW – 8000 GALLON PUMP TANK
N.T.S.



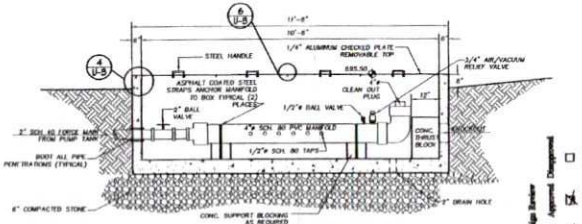
2 U-5 N.T.S. PLAN VIEW – PRESSURE MANIFOLD VAULT



ELEVATION VIEW – 3000 GALLON SEPTIC TANK
N.T.S.



ELEVATION VIEW – 8000 GALLON PUMP TANK
N.T.S.



3 U-5 N.T.S. SECTION – PRESSURE MANIFOLD VAULT

SEE SHEET U-1
FOR SYSTEM LAYOUT

SEPTIC TANK & PUMP TANK ELEVATIONS

NOTE: TANK DIMENSIONS & ELEVATIONS BASED ON STAY RIGHT PRE-CAST CONCRETE. OTHER STATE APPROVED TANKS MAY BE SUBSTITUTED BUT NOT WITHOUT PRIOR APPROVAL FROM THE ENGINEER. CONTRACTOR SHALL VERIFY DIMENSIONS AND ADJUST GRADES AND FLOAT SETTINGS AS REQUIRED TO CAUSE FLOW AND DOSING AS CALLED FOR.

CMS Septic System Design Review: Approved ☐ Disapproved ☐
CMS File #: 6724S
Design Review: 11-8-07 rec ☒
Field Review: N/A ☐
*Permits are not considered "APPROVED" until both sections above are completed and indicate as APPROVED status.

FILE # 6724S

PREPARED FOR:
JAMES T. LASSITER III ARCHITECTURE, INC.
13608 ANDULUSIAN DRIVE
MATTHEWS, NC 28105
704-847-4305

PIEDMONT DESIGN ASSOCIATES, P.A.
Suite 101 Westfield Center 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone:(704) 664-7888 Fax:(704) 664-7778 www.pdapa.com

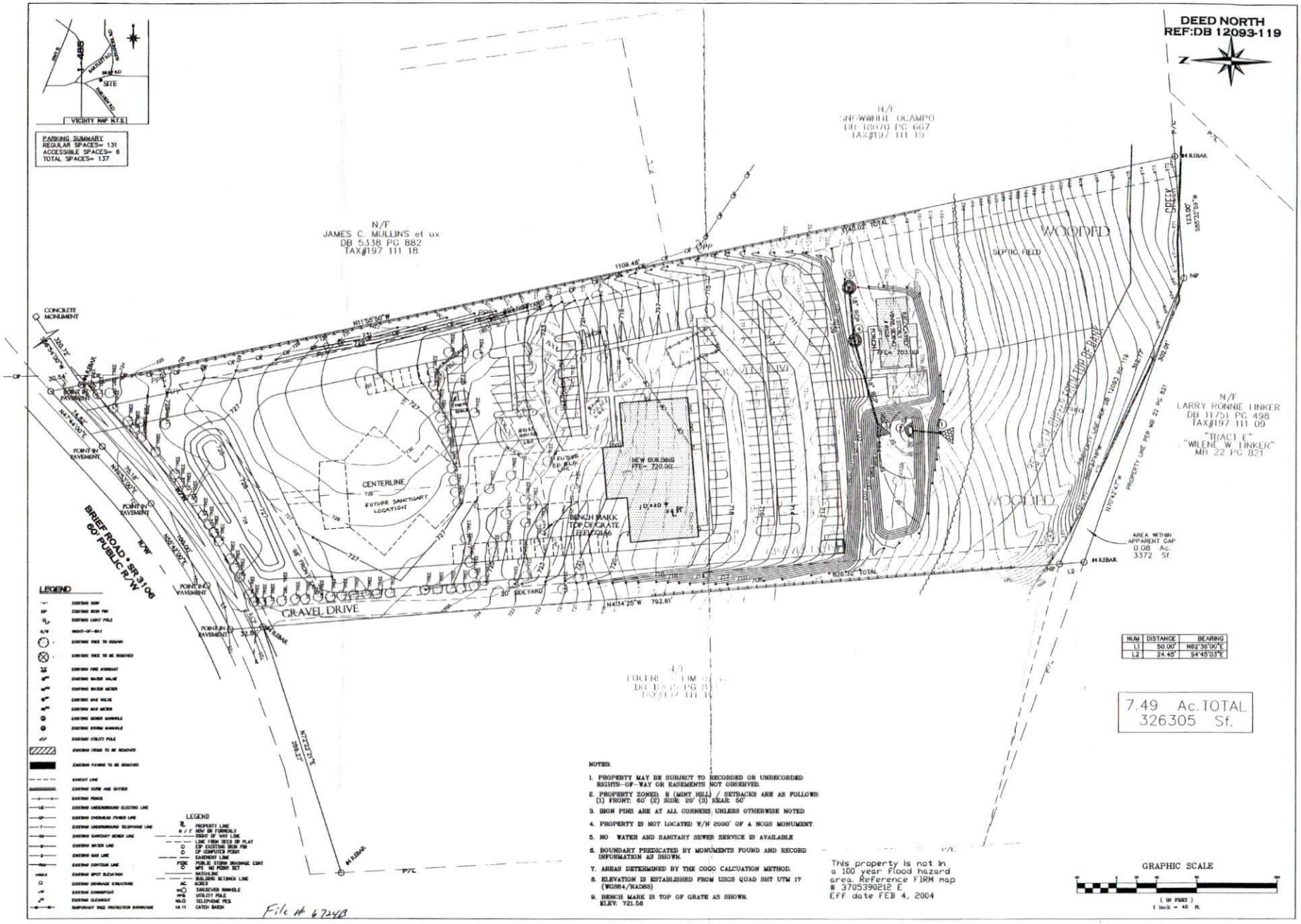
SEPTIC SYSTEM DETAILS
MINT HILL PRESBYTERIAN CHURCH
8528 BRIEF ROAD
MINT HILL, MECKLENBURG COUNTY, NORTH CAROLINA

REVISIONS	BY
A REVISED PER REQUEST BY CLIENT AS WELL FIELD (7/31/07)	DMD

Date: 9/28/06
Scale: 1" = 40 FT AS SHOWN
Drawn: DMD
Checked: DLM
Job: 06-00-10
Sheet: U-2
A 7/31/07
SHEETS

Location: PR-31
File #6724S
PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A.
Owner: _____ Approved: _____ Date of Issue: _____

Y:\2006\06 Misc Septic\06f0911-MintHillChurch\SSDetail\U-2.dwg, 7/31/2007 8:56:53 AM, David DeCarlo



Phelan Engineering Inc.
Civil Engineering
Hydrology, Site Plan Design
NORTH CAROLINA REGISTERED LAND SURVEYOR SEAL 12913 CYNTHIA AULL FLEHAN
5408 Guilbrook Road
Charlotte, North Carolina 28226
(704) 364-3642
(704) 364-3643 - Fax

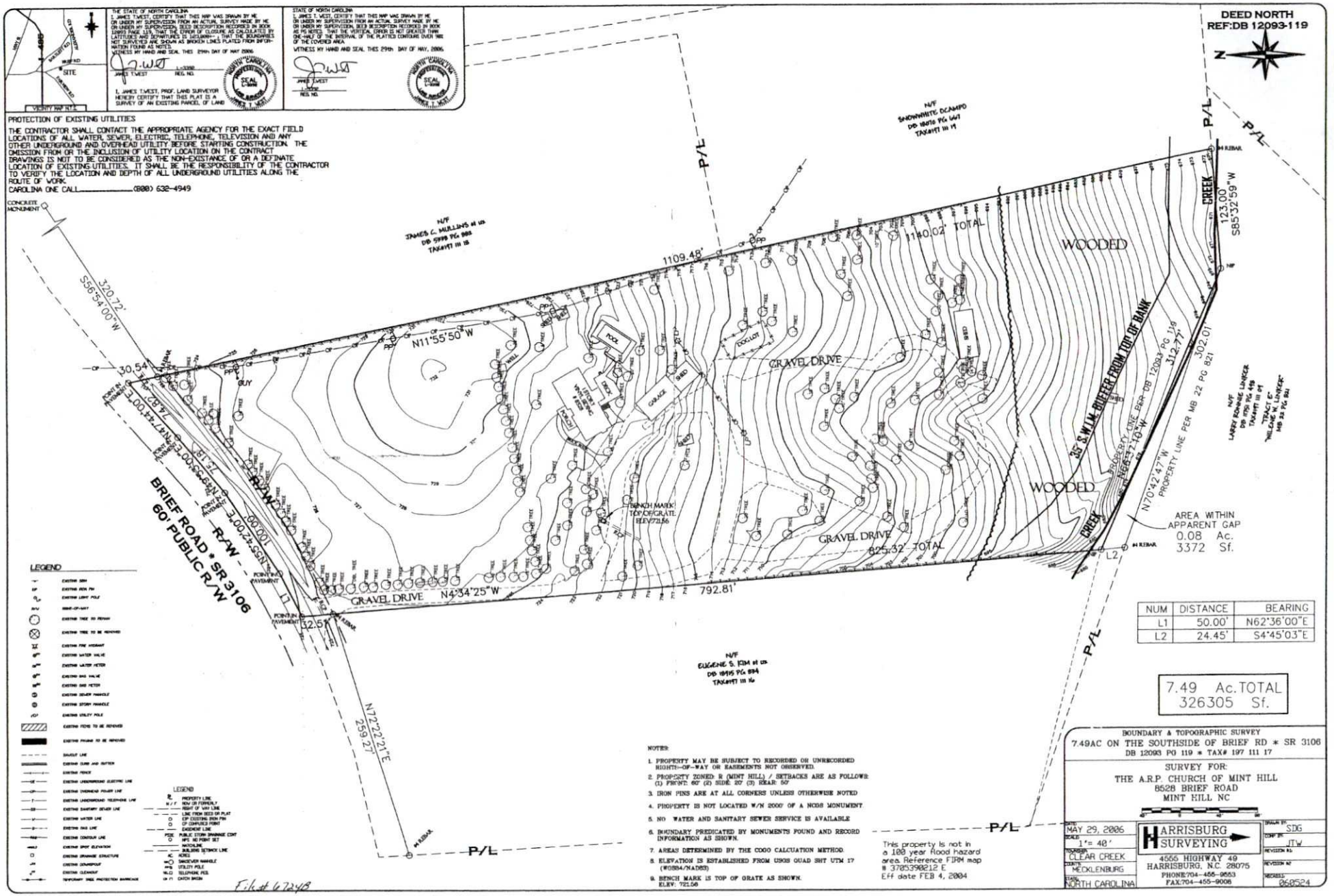
Project: MINT HILL PRESBYTERIAN CHURCH
MINT HILL, NORTH CAROLINA

Sheet Title: SITE GRADING, UTILITY, AND EROSION CONTROL PLAN

V. P. in Charge
C. A. FLEHAN
Project Architect/Job Captain
C. A. FLEHAN
Drawn By
C. A. FLEHAN
Date Drawn
12/29/06
CADD Dwg. Name
SITE.DWG 1"=30'
Revisions
No. ____ Date ____
Issue Date

Project Number

Sheet C-2 Of 5

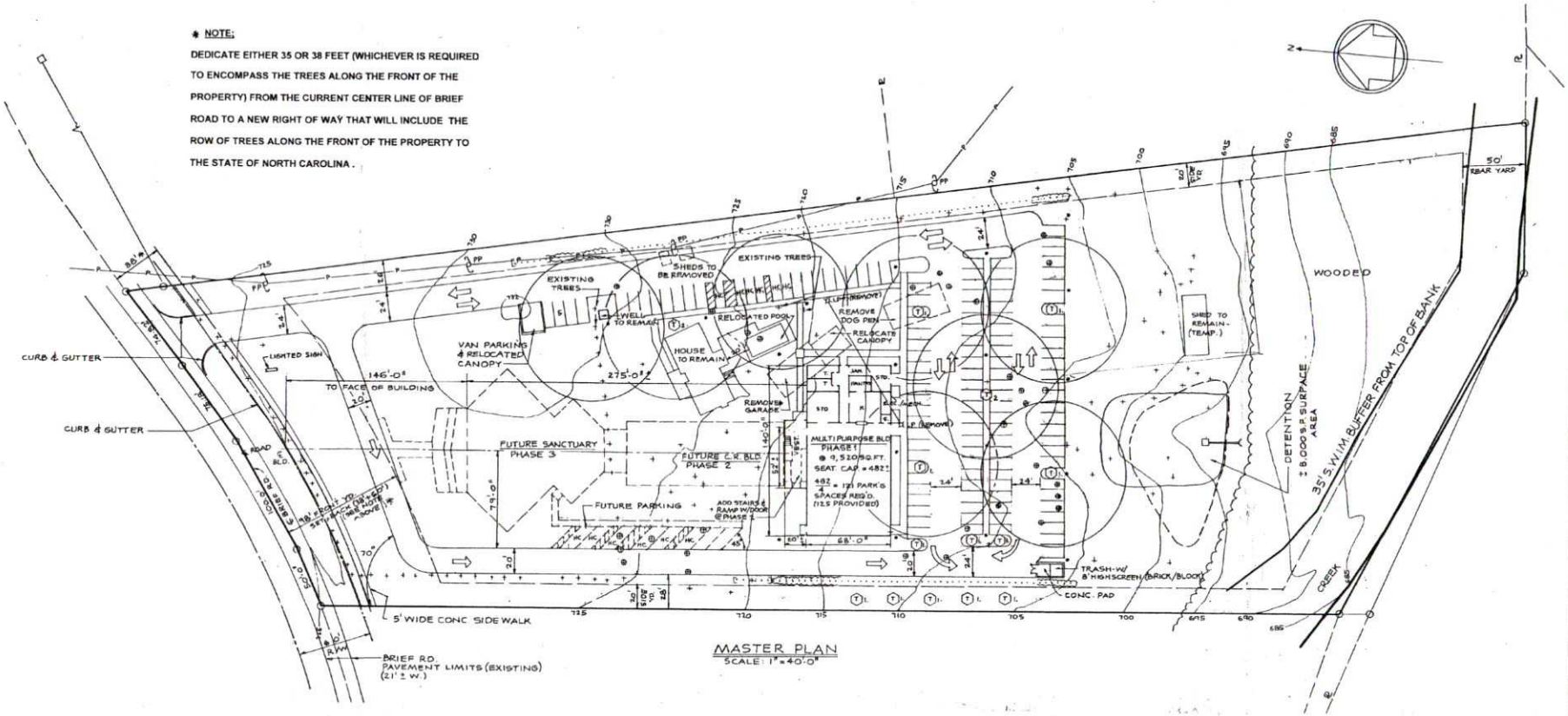


NUM	DISTANCE	BEARING
L1	50.00'	N62°36'00"E
L2	24.45'	S4°45'03"E

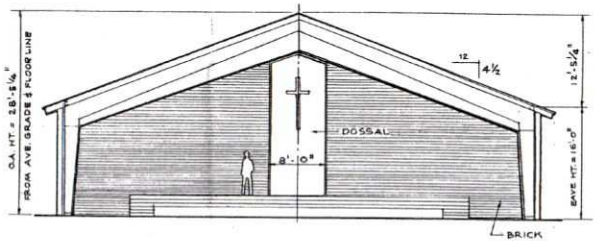
6724B

* NOTE:

DEDICATE EITHER 35 OR 38 FEET (WHICHEVER IS REQUIRED TO ENCOMPASS THE TREES ALONG THE FRONT OF THE PROPERTY) FROM THE CURRENT CENTER LINE OF BRIEF ROAD TO A NEW RIGHT OF WAY THAT WILL INCLUDE THE ROW OF TREES ALONG THE FRONT OF THE PROPERTY TO THE STATE OF NORTH CAROLINA .



MASTER PLAN
SCALE: 1" = 40'-0"



BUILDING SECTION
SCALE: 1/8" = 1'-0"

5. Exterior lighting shall be 150 W metal halide cut - off illuminator mounted on an 18' high metal pole. Average illumination to be 1 foot candle.

Light symbol = *

LEGEND

- Existing trees to remain
- Existing trees to be removed
- (T)1. New trees to be added - Deodar Cedar (Cedrus Deodara)
- (T)2. New trees to be added - Little Gem Magnolia (Magnolia Grandiflora)
- New shrubs to be added - Dwarf Burford Holly (Ilex Cornuta Burfordi Nana) - 12 PLANTS TOTAL
- New shrubs to be added - Wax Myrtle (Myrica Cerifera) - 134 PLANTS TOTAL

NOTES

1. Shrubs shall be evergreen and at least three feet tall when planted with an average height of six feet within four years or shrubs may be two feet feet tall when planted, provided an average height of three to four feet is expected as normal growth within four years. Shrubs shall be spaced no further apart than 5 feet o.c.
2. Trees shall be evergreen and shall be expected to achieve a height of at least six feet within two years.
3. Tree and shrub varieties shall bear limbs and foliage down to within one foot of ground level.
4. Total (or overall) building height from average grade and the floor line to the roof ridge is 28' - 5 ¼". See Building Section on sheet 2.

REVISIONS	BY
8/30/06	JWL

JAMES W. LESSLIE III
ARCHITECTURE, INC.
13608 ANDULUSIAN DRIVE
MATTHEWS, N.C. 28105
(704)847-4305

MINT HILL PRESBYTERIAN CHURCH
A.R. PRESBYTERIAN SYNOD
(IDLEWILD PRESBYTERIAN CHURCH)
A.R. PRESBYTERIAN SYNOD
MINT HILL, NORTH CAROLINA

MASTER PLAN & DETAILS

Date 8-17-06
Scale AS NOTED
Drawn JWL
Job 15-06
Sheet 2 of 3(4) Sheets