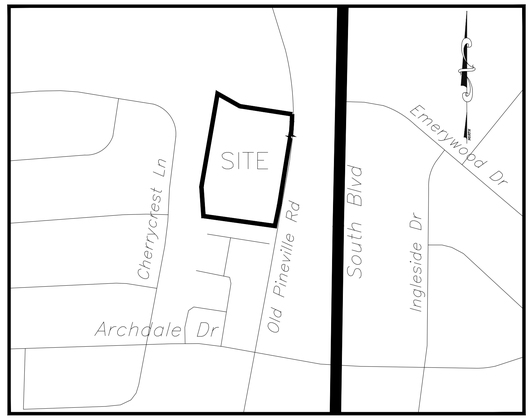
FOREST HILL CHURCH - EBENEZER CAMPUS

CHARLOTTE, NORTH CAROLINA



VICINITY MAP
NOT TO SCALE

ORSBORN ENGINEERING GROUP
610 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P) 704-749-1432 • F) 704-749-1433

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ABBREVIATIONS

Δ	ALGEBRAIC DIFFERENCE
AC	ACRES
AC/FT	ACRE FOOT/FEET
ADT	AVERAGE DAILY TRAFFIC
ALT	ALTERNATE
APPROX	APRODIMATE
ASPH	ASPHALT
AVE	AVENUE
AVG	AVERAGE
BFP	BACKFLOW PREVENTER
BL	BASELINE
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCHMARK
BO	BLOWOFF
BOC	BACK OF CURB
BOT	BOTTOM
C	CHORD LENGTH
CATV	CABLE TELEVISION
CB	CATCH BASIN
CDOT	CHARLOTTE DEPARTMENT OF TRANSPORTATION
CF	CUBIC FEET
C&G	CURB AND GUTTER
CJ	CONSTRUCTION JOINT
CLDSM	CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCT(ION)
CY	CUBIC YARD
D	DEGREE OF CURVATURE
DBL	DOUBLE
DCB	DOUBLE CATCH BASIN
DEPT	DEPARTMENT
DET	DETAIL
DI	DROP INLET
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	EAST
ELEC	ELECTRIC
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EJ	EXPANSION JOINT
FG	FINISHED GRADE
FH	FIRE HYDRANT
FM	FORCE MAIN
FT	FOOT/FEET
GALV	GALVANIZED
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HW	HEADWALL
HWY	HIGHWAY
HORIZ	HORIZONTAL
ID	INSIDE DIAMETER
IN	INCHES
INV	INVERT
JB	JUNCTION BOX
JCT	JUNCTION
K	RATE OF VERTICAL CURVATURE
L	LENGTH
LAT	LATITUDE
LB	POUND
LF	LINEAR FOOT/FEET
LP	LIGHT POLE
LON	LONGTUDE
LT	LEFT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MPH	MILES PER HOUR
N	NORTH
NCDENR	NORTH CAROLINA DEPARTMENT OF ENVIROMENT AND NATURAL RESOURCES
NCDOT	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OCB	OFFSET CATCH BASIN
OCS	OUTLET CONTROL STRUCTURE
OD	OUTSIDE DIAMETER
OEG	ORSBORN ENGINEERING GROUP
OVHD	OVERHEAD
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PED	PEDESTAL
PI	POINT OF INTERSECTION
P/L	PROPERTY LINE
POB	POINT OF BEGINNING
PP	POWER POLE
PROJ	PROJECT
PROP	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL CLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REQD	REQUIRED
REV	REVISION
RR	RAILROAD
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SOUTH
SAN	SANITARY SEWER
SCDOT	SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
SCH	SCHEDULE
SECT	SECTION
SPEC	SPECIFICATION
STD	STANDARD
STS	STORM SEWER
T	TANGENT
TC	TIME OF CONCENTRATION
TCE	TEMPORARY CONSTRUCTION EASEMENT
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPORARY
TOB	TOP OF BANK
TOC	TOP OF CURB
TYP	TYPICAL
UD	UNDERDRAIN
UG	UNDERGROUND
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
YR	YEAR
&	AND
@	AT
Δ	DELTA

NORTH CAROLINA PROFESSIONAL ENGINEERING COMPANY C-3139

NORTH CAROLINA PROFESSIONAL SEAL 028786 ENGINEER CHRISTOPHER J. CLEMENTS

DATE			

JOB #	16011	DATE:	08/24/16

COVER C0.0

August 10, 2016 - 2:09pm By: bsykes
P:\16011 FHC OR Forestlin\Dwg\16011 C0.0 COVER.dwg

LEGEND:

BFP - BACK FLOW PREVENTOR
C&G - CURB & GUTTER
CB - CATCH BASIN
CI - CURB INLET
CMP - CORRUGATED METAL PIPE
CP - CALCULATED POINT
CPP - CORRUGATED PLASTIC PIPE
C/O - CLEAN OUT
D.B. - DEED BOOK
DI - DROP INLET
DIP - DUCTILE IRON PIPE
ECM - EXISTING CONCRETE MONUMENT
EIP - EXISTING IRON PIPE
EIR - EXISTING IRON ROD
EMM - EXISTING METAL MONUMENT
EN - EXISTING NAIL
EOG - EDGE OF GRAVEL
EOP - EDGE OF PAVEMENT
EU - END UNKNOWN
FC - FIRE CONNECTION
FH - FIRE HYDRANT
FP - FLAG POLE
FV - FIRE VALVE
GDP - GUARD POST
GLT - GROUND LIGHT
GM - GAS METER
GP - GATE POST
GV - GAS VALVE
GW - GUY WIRE
HVAC - HEATING, VENTILATION, AIR COND.
HW - HEADWALL
ICV - IRRIGATION CONTROL VALVE
JBX - JUNCTION BOX
LMP - LAMP POST
LP - LIGHT POLE
(M) - MEASURED
MBX - MAILBOX
M.B. - MAP BOOK
MW - MONITORING WELL
N.G.S. - NATIONAL GEODETIC SURVEY
NIR - NEW IRON ROD
NN - NEW NAIL
OHANG - OVERHANG
PB - POWER BOX
PIN - PARCEL IDENTIFICATION NUMBER
PM - POWER METER
PMH - POWER MANHOLE
PP - POWER POLE
PG - PAGE
PVC - PLASTIC PIPE
(R) - RECORDED
R/W - RIGHT-OF-WAY
RCP - REINFORCED CONCRETE PIPE
RW - RETAINING WALL
SBB - BILLBOARD
SDMH - STORM DRAIN MANHOLE
SMP - MULTI-POST SIGN
SSMH - SANITARY SEWER MANHOLE
(T) - TOTAL
TB - TELEPHONE BOX
TERR. - TERRACOTTA PIPE
TMH - TELEPHONE MANHOLE
TSB - TRAFFIC SIGNAL BOX
TVB - CABLE TV BOX
WB - WATER BOX
WM - WATER METER
WSP - WATER SPIGOT
WV - WATER VALVE

TREE LEGEND:

BCH - BEECH
BRC - BIRCH
BRAD - BRADFORD PEAR
CED - CEDAR
CHY - CHERRY
CRP - CREPE MYRTLE
DGW - DOGWOOD
HIC - HICKORY
HOL - HOLLY
LOC - LOCUST
MAG - MAGNOLIA
MAP - MAPLE
PEC - PECAN
PIN - PINE
POP - POPLAR
STC - SYCAMORE
WLN - WALNUT
WLC - WILD CHERRY

LINE LEGEND:

EASEMENT
FENCE
GUARD RAIL
PROPERTY LINE
PROPERTY LINE (NOT SURVEYED)
RIGHT-OF-WAY
RIGHT-OF-WAY (NOT SURVEYED)
SETBACK
CABLE TV LINE — C
FIBER OPTIC LINE — FO
GAS LINE — G
POWER LINE — E
POWER LINE (UNDERGROUND) — UE
SANITARY SEWER PIPE — SS
STORM DRAIN PIPE — SD
STORM DRAIN PIPE >12"
TELEPHONE LINE — T
TELEPHONE LINE (UNDERGROUND) — UT
WATER LINE — W
WOOD FENCE

NOTES:

1. THIS PLAT IS NOT FOR RECORDATION AS PER G.S. 47-30 AS AMENDED.

2. ALL CORNERS MONUMENTED AS SHOWN.

3. NO RECOVERABLE NGS MONUMENT LOCATED WITHIN 2,000 FEET OF SUBJECT PROPERTY.

4. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS MAP IS APPROXIMATE, BASED ON INFORMATION PROVIDED BY OTHERS OR BY FIELD LOCATION. UTILITY LOCATIONS AS SHOWN HEREON ARE INTENDED FOR PLANNING ONLY. ACTUAL LOCATION, SIZE, OR DEPTH OF LINE SHOULD BE VERIFIED WITH THE INDIVIDUAL UTILITY COMPANY BEFORE CONSTRUCTION.

5. ELEVATIONS BASED ON N.G.S. MONUMENT "McDOWELL", ELEVATION = 681.79 FEET, NAVD 88.

6. BROKEN LINES INDICATE PROPERTY LINES NOT SURVEYED.

7. THE OFF-SITE RIGHT-OF-WAY SHOWN HEREON IS FOR ILLUSTRATIVE PURPOSES ONLY. THE UNDERSIGNED CERTIFIES ONLY TO THE RIGHT-OF-WAYS SURVEYED, AND DOES NOT CERTIFY TO THE RIGHT OF WAY WIDTH OF ANY ADJACENT PROPERTIES.

ZONING:

ZONING RESTRICTIONS AS PER ZONING ORDINANCE: SUBJECT PROPERTY ZONED: R-22MP

MINIMUM SETBACK: *17' (DETACHED, DUPLEX, TRIPLEX, QUADRAPLEX)*
27' (ALL OTHER BUILDINGS)
LOTS APPROVED PRIOR TO 12-20-2010:
20' (DETACHED, DUPLEX, TRIPLEX, QUADRAPLEX)
30' (ALL OTHER BUILDINGS)
MINIMUM SIDE YARD: *5' (DETACHED, DUPLEX, TRIPLEX, QUADRAPLEX)*
10' (PLANNED MULTI-FAMILY ADJOINING SINGLE FAMILY)
20' (NON-RESIDENTIAL ADJOINING SINGLE FAMILY)
5' (ALL OTHER PLANNED MULTI-FAMILY & NON-RESIDENTIAL)
MINIMUM REAR YARD: *20' (DETACHED, DUPLEX, TRIPLEX, QUADRAPLEX)*
40' (PLANNED MULTI-FAMILY ADJOINING SINGLE FAMILY)
40' (ALL OTHER PLANNED MULTI-FAMILY & NON-RESIDENTIAL)
MAXIMUM BUILDING HEIGHT: 40'

FOR FURTHER INFORMATION CONTACT THE CHARLOTTE-MECKLENBURG ZONING DEPARTMENT AT 704-336-3569.

PARKING:

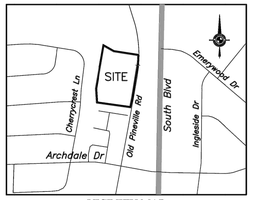
REGULAR PARKING SPACES	*- 54*
HANDICAPPED PARKING SPACES	*- 4*
TOTAL PARKING SPACES	*- 58*

ALTA/ACSM CERTIFICATION:

TO: EBENEZER ASSOCIATED REFORMED PRESBYTERIAN CHURCH OF CHARLOTTE, N.C., INC.; CHICAGO TITLE INSURANCE COMPANY:

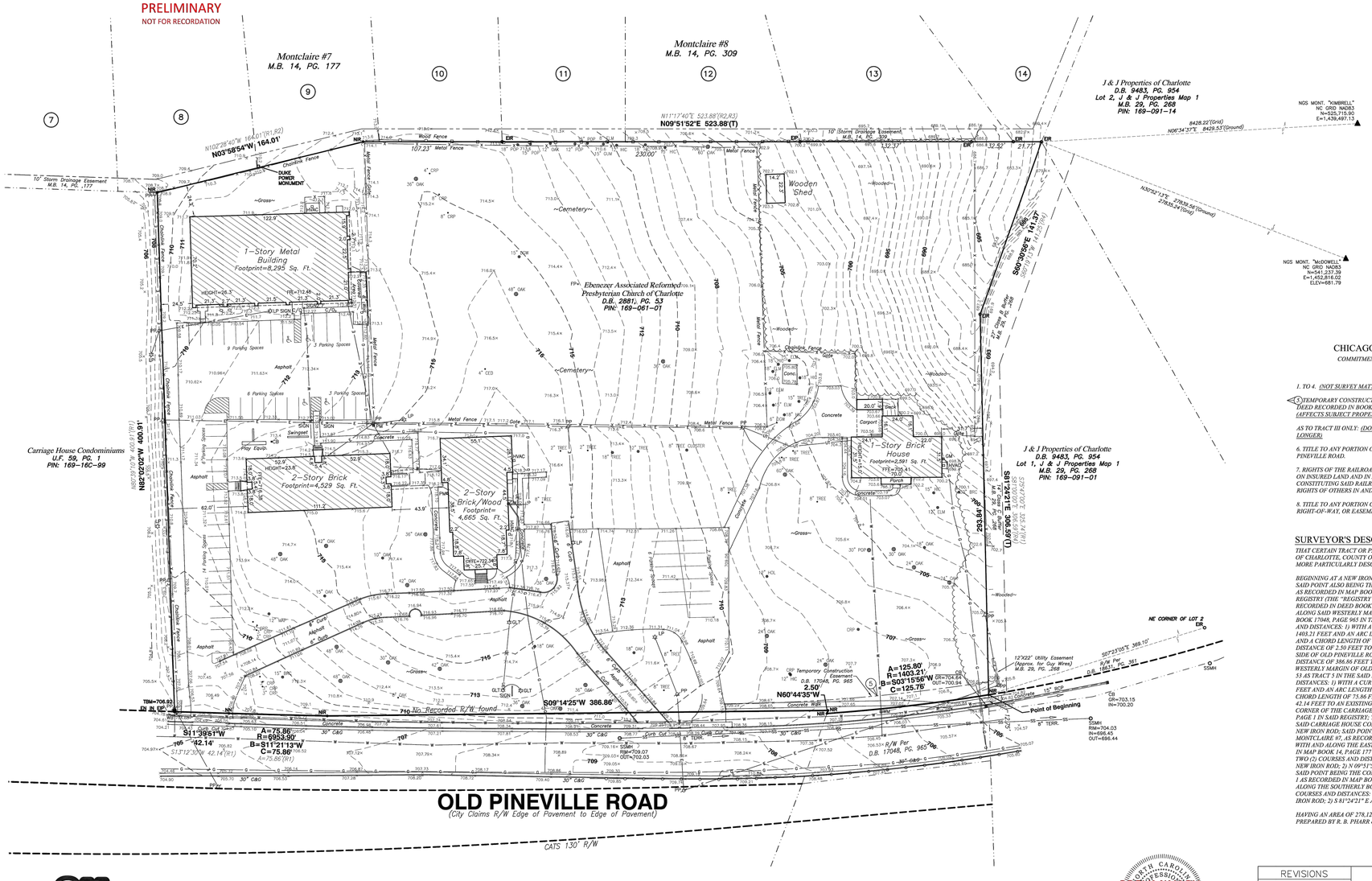
THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6, 7(a), 7(b), 7(c), 8, 9, 10, 11(a), AND 13 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JUNE 12, 2015.

JUSTIN F. CLONINGER — *6/19/15*
PROFESSIONAL LAND SURVEYOR — *DATE*



VICINITY MAP
NOT TO SCALE

PRELIMINARY
NOT FOR RECORDATION



UTILITIES:

POWER
DUKE POWER ENERGY
1-800-777-9898

TELEPHONE
BELL SOUTH TELECOMMUNICATIONS
1-888-757-6500

WATER & SEWER
CHAR.-MECK. UTILITY DEPT. (CMUD)
(704) 336-2564 WATER
(704) 557-6064 SEWER

GAS
PIEDMONT NATURAL GAS CO.
1-800-752-7504

CABLE TELEVISION
TIME WARNER CABLE
1-800-892-2253

811 Know what's below. Call before you dig.

GRAPHIC SCALE
40 0 20 40 80 160
(IN FEET)
1 inch = 40 ft.

GPS CERTIFICATION:

I, JUSTIN F. CLONINGER, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL GPS SURVEY MADE UNDER MY SUPERVISION AND THE FOLLOWING INFORMATION WAS USED TO PERFORM THE SURVEY:

(1) CLASS OF SURVEY: A(1:10,000)
(2) POSITIONAL ACCURACY: HORIZ. NORTH=0.00295; EAST =0.00725; VERT =0.0067
(3) TYPE OF GPS FIELD PROCEDURE: REAL-TIME KINEMATIC
(4) DATES OF SURVEY: 05/09/2015
(5) DATUM/EPOCH: NAD 1983, NAVD 88
(6) PUBLISHED/FIXED-CONTROL USE: NGS MONUMENT "McDOWELL"
(7) GEOID MODEL: GEOID03 (CONUS)
(8) COMBINED GRID FACTOR(S): 0.99984487
(9) UNITS: US SURVEY FEET

FLOOD CERTIFICATION

THIS IS TO CERTIFY THAT THE SUBJECT PROPERTY IS NOT *LOCATED IN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON MAPS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FEDERAL INSURANCE ADMINISTRATION, DATED*
MARCH 2, 2009
MAP NUMBER: 3710453100J; ZONE 'X'

THIS IS TO CERTIFY THAT ON THE 12TH *DAY OF* JUNE, 20 15, *AN ACTUAL SURVEY WAS MADE UNDER MY SUPERVISION OF THE PROPERTY SHOWN ON THIS PLAT, AND THAT THE BOUNDARY LINES AND THE IMPROVEMENTS, IF ANT, ARE AS SHOWN HEREON. THIS PLAT MEETS THE MINIMUM STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA, BOARD RULE .1600 (21 NCAC 56) AND THE RATIO OF PRECISION DOES NOT EXCEED AN ERROR OF CLOSURE OF ONE (1) FOOT PER 10,000 FEET OF PERIMETER SURVEYED NOR 20 SECONDS TIMES THE SQUARE ROOT OF THE NUMBER OF ANGLES TURNED.*

SIGNED _____

NORTH CAROLINA PROFESSIONAL SEAL L-4820 LAND SURVEYOR JUSTIN F. CLONINGER
PRELIMINARY
NOT FOR RECORDATION

CHICAGO TITLE INSURANCE COMPANY

COMMITMENT NO: 15-1531, EFFECTIVE DATE: MAY 11, 2015
SCHEDULE B - II (EXCEPTIONS)

1. TO 4. (NOT SURVEY MATTERS)

5. TEMPORARY CONSTRUCTION EASEMENT TO THE CITY OF CHARLOTTE CONTAINED IN DEED RECORDED IN BOOK 17048, PAGE(S) 965, MECKLENBURG COUNTY REGISTRY. (AFFECTS SUBJECT PROPERTY, PLOTTED AS SHOWN HEREON)

AS TO TRACT III ONLY: (DOES NOT APPEAR TO BE PART OF SUBJECT PROPERTY ANY LONGER)

6. TITLE TO ANY PORTION OF LAND LYING WITHIN THE RIGHT OF WAY OF OLD PINEVILLE ROAD.

7. RIGHTS OF THE RAILROAD COMPANY SERVICING THE RAILROAD SIDINGS LOCATED ON INSURED LAND AND IN AND TO THE TIES, RAILS, AND OTHER PROPERTIES CONSTITUTING SAID RAILROAD SIDINGS OR IN AND TO THE USE THEREOF AND ALSO RIGHTS OF OTHERS IN AND TO THE USE THEREOF.

8. TITLE TO ANY PORTION OF THE LAND LYING WITHIN ANY RAILWAY FEE, LEASEHOLD, RIGHT-OF-WAY, OR EASEMENT IS NOT INSURED.

SURVEYOR'S DESCRIPTION:

THAT CERTAIN TRACT OR PARCEL OF LAND SITUATED, LYING AND BEING IN THE CITY OF CHARLOTTE, COUNTY OF MECKLENBURG, STATE OF NORTH CAROLINA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A NEW IRON ROD ON THE WESTERLY MARGIN OF OLD PINEVILLE ROAD, SAID POINT ALSO BEING THE SOUTHEAST CORNER OF LOT 1, J & J PROPERTIES MAP 1 AS RECORDED IN MAP BOOK 29, PAGE 268 IN THE MECKLENBURG COUNTY PUBLIC REGISTRY (THE "REGISTRY"), RIGHT-OF-WAY TAKING FOR AFORESAID LOT 1 RECORDED IN DEED BOOK 18631, PAGE 361 IN SAID REGISTRY; THENCE WITH AND ALONG SAID WESTERLY MARGIN OF OLD PINEVILLE ROAD AS RECORDED IN DEED BOOK 17048, PAGE 965 IN THE SAID REGISTRY WITH THE FOLLOWING TWO (2) COURSES AND DISTANCES: 1) WITH A CURVE TURNING TO THE RIGHT HAVING A RADIUS OF 1403.21 FEET AND AN ARC LENGTH OF 125.80 FEET (CHORD BEARING OF S 09°15'56" W AND A CHORD LENGTH OF 125.76 FEET) TO A NEW IRON ROD; 2) N 60°44'35" W A DISTANCE OF 2.50 FEET TO A NEW IRON ROD; THENCE WITH A NEW LINE ON THE WEST SIDE OF OLD PINEVILLE ROAD (NO RECORDED RIGHT-OF-WAY FOUND): S 09°14'25" W A DISTANCE OF 386.86 FEET TO A NEW IRON ROD; THENCE WITH AND ALONG SAID WESTERLY MARGIN OF OLD PINEVILLE ROAD AS DESCRIBED IN DEED BOOK 2881, PAGE 53 AS TRACT 5 IN THE SAID REGISTRY WITH THE FOLLOWING TWO (2) COURSES AND DISTANCES: 1) WITH A CURVE TURNING TO THE RIGHT HAVING A RADIUS OF 6953.90 FEET AND AN ARC LENGTH OF 75.86 FEET (CHORD BEARING OF S 11°21'13" W AND A CHORD LENGTH OF 75.86 FEET) TO A NEW IRON ROD; 2) S 11°39'51" W A DISTANCE OF 42.14 FEET TO AN EXISTING NAIL IN AN IRON PIPE, SAID POINT BEING THE NORTHEAST CORNER OF THE CARRIAGE HOUSE CONDOMINIUMS AS RECORDED IN UNIT FILE 59, PAGE 1 IN SAID REGISTRY; THENCE WITH AND ALONG THE NORTHERLY BOUNDARY OF SAID CARRIAGE HOUSE CONDOMINIUMS N 82°02'02" W A DISTANCE OF 400.91 FEET TO A NEW IRON ROD; SAID POINT BEING ON THE EASTERLY BOUNDARY OF LOT 8, MONTCLAIRE #7, AS RECORDED IN MAP BOOK 14, PAGE 177 IN SAID REGISTRY; THENCE WITH AND ALONG THE EASTERLY BOUNDARY OF MONTCLAIRE #7 AND #8 AS RECORDED IN MAP BOOK 14, PAGE 177 AND PAGE 309, IN SAID REGISTRY FOR THE FOLLOWING TWO (2) COURSES AND DISTANCES: 1) N 03°58'54" W A DISTANCE OF 164.01 FEET TO A NEW IRON ROD; 2) N 09°51'52" E A DISTANCE OF 523.88 FEET TO AN EXISTING IRON ROD, SAID POINT BEING THE COMMON CORNER OF LOT 1 AND LOT 2, J & J PROPERTIES MAP 1 AS RECORDED IN MAP BOOK 29, PAGE 268 IN SAID REGISTRY; THENCE WITH AND ALONG THE SOUTHERLY BOUNDARY OF SAID LOT 1 FOR THE FOLLOWING TWO (2) COURSES AND DISTANCES: 1) S 60°30'56" E A DISTANCE OF 141.37 FEET RO AN EXISTING IRON ROD; 2) S 81°24'21" E A DISTANCE OF 293.84 FEET TO THE POINT OF BEGINNING.

HAVING AN AREA OF 278,129 SQUARE FEET OR 6.3850 ACRES, AS SHOWN ON A SURVEY PREPARED BY R. B. PHARR & ASSOCIATES, P.A. DATED JUNE 12, 2015 (MAP FILE W-4820).

278,129 SQ. FT. 6.3850 ACRES

REVISIONS	
	ALTA/ACSM LAND TITLE SURVEY FOREST HILLS CHURCH 6210 OLD PINEVILLE ROAD CITY OF CHARLOTTE, MECKLENBURG COUNTY, N.C. DEED REFERENCE: BOOK 2881, PAGE 53 TAX PARCEL NO: 169-161-01
	R.B. PHARR & ASSOCIATES, P.A. SURVEYING & MAPPING LICENSURE NO. C-1471 420 HAWTHORNE LANE CHARLOTTE, N.C. 28204 TEL. (704) 376-2186

CREW:	DRAWN:	REVISED:	SCALE:	DATE:	FILE NO. W-4820
KD/TN	NM		1" = 40'	JUNE 12, 2015	JOB NO. 83211

PLOTTED: 6/19/2015
C:\\CARLSON PROJECTS\B3\B3211\DWG\B3211.DWG

ORIGINAL SURVEY BY R.B. PHARR & ASSOCIATES, P.A. NOT TO SCALE

ORSBORN ENGINEERING GROUP
630 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P: 704-749-1432 • F: 704-749-1433

EXISITING CONDITIONS
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

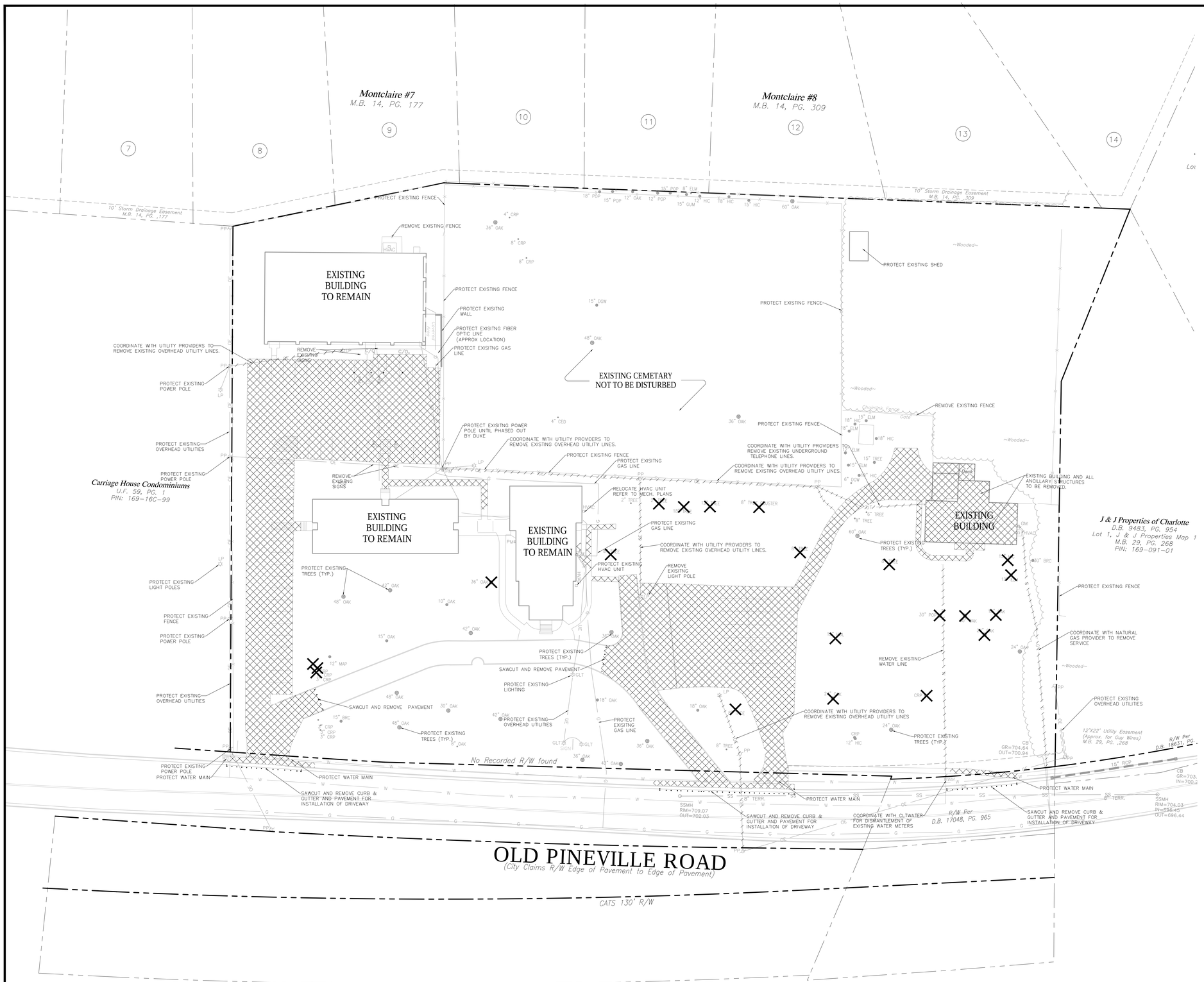
REVISIONS | DATE

JOB #	16011
DATE:	8/24/16
SCALE:	NTS
DRAWN BY:	BAO
APPROVED BY:	JCO

C1.1

August 10, 2016 - 2:10pm By: boden
P:\16011 FHC Old Pineville\Dwg\16011 C1.1 EXCON.dwg

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY ORSBORN ENGINEERING GROUP, PA SHALL BE WITHOUT LIABILITY TO ORSBORN ENGINEERING GROUP, PA.



DEMOLITION NOTES

1. DEMOLITION AND REMOVAL OPERATIONS SHALL COMMENCE AFTER ALL TREE PROTECTION FENCE AND EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND FUNCTIONAL.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL EXISTING STRUCTURES, ETC. UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL STOCKPILE ADEQUATE QUANTITY OF TOPSOIL FOR USE AT END OF GRADING OPERATIONS. ALL EXCESS SOIL STRIPPINGS AND ANY UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER.
4. PROVIDE NEAT AND STRAIGHT SAWCUTS OF EXISTING PAVEMENT ALONG ALL EDGES WHERE ADJOINING PAVEMENT IS TO BE REMOVED.
5. CONTRACTOR SHALL MILL EXISTING PAVEMENT TO PROVIDE SMOOTH TRANSITION OF PAVEMENT OVERLAYS TO EXISTING PAVEMENT SURFACE.
6. DEMOLITION WITHIN ADJACENT RIGHT-OF-WAYS SHALL BE COMPLETED IN ACCORDANCE WITH THE TRAFFIC CONTROL REQUIREMENTS OF THE W.A.T.C.H. HANDBOOK. CONTRACTOR SHALL INSTALL NEW CURB AND GUTTER AND STREET PAVEMENT IMMEDIATELY FOLLOWING DEMOLITION ACTIVITIES THAT OCCUR IN THE RIGHT-OF-WAY PER SITE PLAN.
7. CONTRACTOR SHALL BE RESPONSIBLE TO PHASE DEMOLITION AS NECESSARY TO COMPLETE CONSTRUCTION ACTIVITIES IN AN APPROPRIATE SEQUENCE.
8. DEMOLITION DEBRIS, EXCEPT AS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ALL DEBRIS SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN A LEGAL LANDFILL IN A TIMELY MANNER. NO SALVAGE OR SALE OF DEMOLISHED MATERIALS ON SITE WILL BE ALLOWED WITHOUT PERMISSION FROM OWNER.
9. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK.
10. UNLESS OTHERWISE NOTED ALL EXISTING LIGHT POLES AND FIXTURES SHALL BE REMOVED WITHIN THE LIMITS OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH DUKE POWER FOR REMOVAL OF ELECTRICAL SERVICE, POLES, AND FIXTURES.
11. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES AND UTILITIES, NOTED TO REMAIN, FROM DAMAGE OR DISPLACEMENT DURING CONSTRUCTION. IN THE EVENT OBSTRUCTIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER AND THE UTILITY COMPANY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INCURRED TO REPAIR DAMAGE OR CORRECT DISPLACEMENT.
12. DEMOLITION OF UTILITIES WHICH ARE ACTIVE SHALL BE SEQUENCED TO ALLOW FOR INSTALLATION OF NEW OR REROUTED LINES, PRIOR TO REMOVAL OF EXISTING PORTION. REFER TO THE SITE UTILITY PLANS FOR NEW UTILITY WORK.
13. CONTRACTOR SHALL EXERCISE CARE WHEN EXCAVATING CLOSE TO EXISTING TREES TO REMAIN IN ORDER TO MINIMIZE ANY DAMAGE TO EXISTING TREES AND ROOTS.
14. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ALL TREES AND VEGETATION OUTSIDE THE LIMITS OF CONSTRUCTION.
15. AT ALL AREAS REQUIRING PAVEMENT REMOVAL, ANY EXISTING BASE COURSE WHICH MAY BE ENCOUNTERED MAY BE WORKED INTO NEW PAVEMENT OR BUILDING SUBGRADE, PROVIDED THE GRADIATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC. ARE IN ACCORDANCE WITH THE SPECIFICATIONS. EXISTING BASE COURSE MATERIAL SHALL NOT BE LEFT IN PLACE IN AREAS WHICH ARE NOT TO RECEIVE BUILDINGS, STRUCTURES, OR PAVEMENT.
16. SAWCUT LOCATIONS ARE ILLUSTRATIVE. CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO ACCOMMODATE ACTUAL WORK TO BE PERFORMED.

LEGEND

	PROPERTY LINE OR R/W
	EXISTING CURB & GUTTER
X	EXISTING FENCING
	EXISTING STORM PIPE
SS	EXISTING SANITARY SEWER PIPE
W	EXISTING WATER LINE
UE	EXISTING UNDERGROUND POWER LINE
OE	EXISTING OVERHEAD POWER LINE
FO	EXISTING COMMUNICATION LINE
G	EXISTING NATURAL GAS LINE
	EXISTING TREE LINE
555	EXISTING CONTOURS
554	
	EXISTING PAVEMENT TO BE REMOVED
	EXISTING ITEM TO BE DEMOLISHED
X	EXISTING TREE TO BE REMOVED

NORTH

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

ORSBORN ENGINEERING GROUP
630 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P: 704-749-1432 • F: 704-749-1433

DEMOLITION PLAN
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

NORTH CAROLINA PROFESSIONAL ENGINEERING COMPANY C-3139

NORTH CAROLINA PROFESSIONAL SEAL 028786 ENGINEER

REVISIONS

DATE

JOB #	16011
DATE:	8/24/2016
SCALE:	1" = 30'
DRAWN BY:	BAO
APPROVED BY:	JCO

C1.2

August 18, 2016 - 2:10pm By: boden
P:\16011 FHC\Old Pineville\Dwg\16011 C1.2 DEMO.dwg

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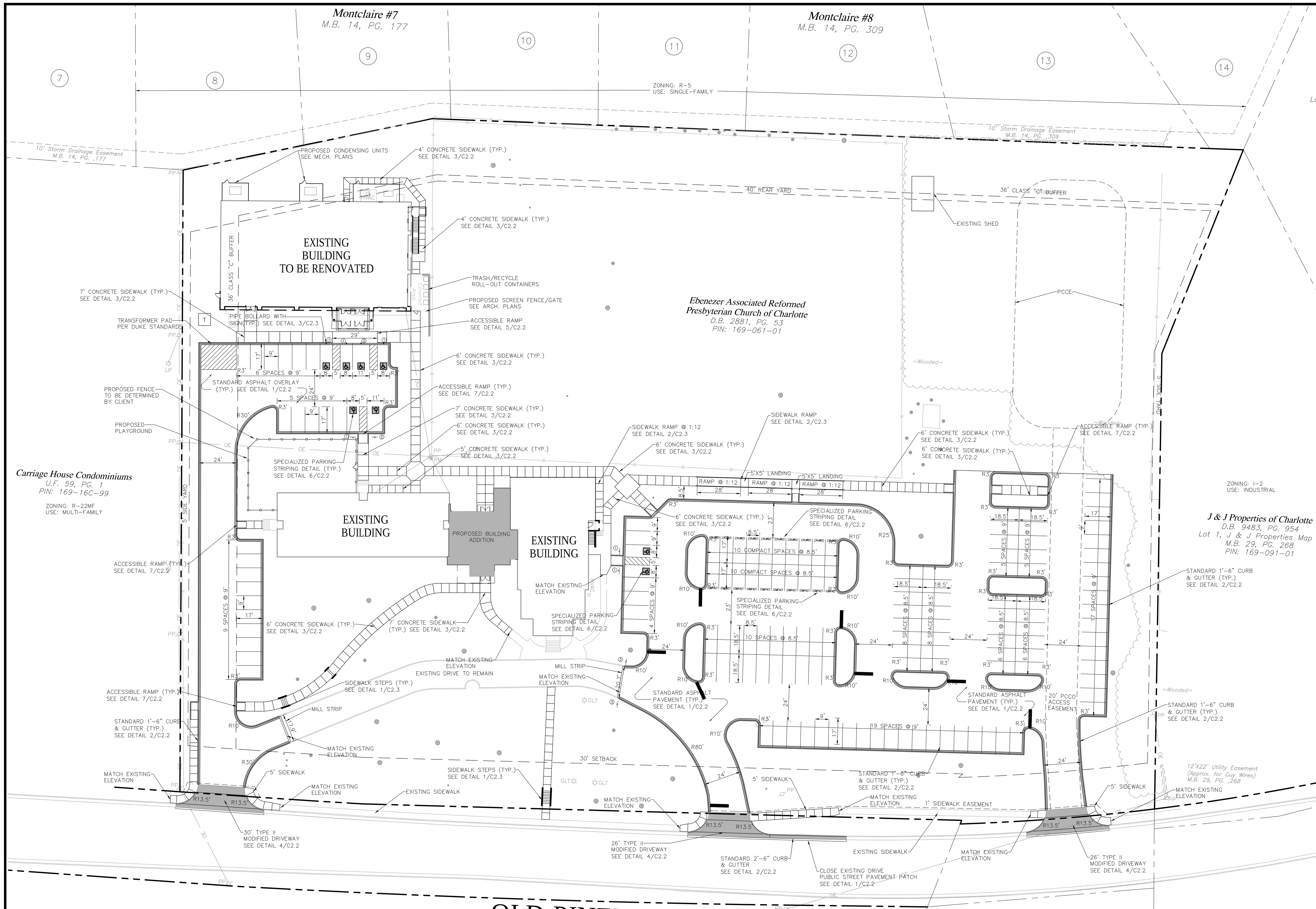


PCCO SUMMARY	
ORIGINAL PARCEL ID NUMBER	16916101
DEVELOPMENT TYPE:	RELIGIOUS INSTITUTION
SUBJECT TO PCCO? Y/N	–
IF NO, WHY?	
WATERSHED:	CENTRAL CATAWBA
DISTURBED AREA (AC):	– AC
SITE AREA (AC):	6.323 AC
EXISTING BUILT-UPON-AREA (SF):	66,156 SF
EXISTING BUA TO BE REMOVED (SF):	8,529 SF
EXISTING BUA TO REMAIN (SF):	57,673 SF
PROPOSED NEW BUA (SF):	37,957 SF
PROPOSED % BUA	–%
DENSITY (HIGH/LOW)	–
TOTAL POST-PROJECT BUA FOR SITE:	– SF
DEVELOPMENT OR REDEVELOPMENT?	–
NATURAL AREA REQUIRED (AC):	– SF
NATURAL AREA PROVIDED (AC):	– SF
TOTAL STREAM BUFFER PROTECTED	
ON-SITE (AC):	0
TRANSIT STATION AREA? Y/N	YES (TYVOLA & ARCHDALE)
DISTRESSED BUSINESS DISTRICT? Y/N	NO
MITIGATION TYPE (IF APPLICABLE)	N/A
NATURAL AREA MITIGATION? Y/N	NO
BUFFER MITIGATION? Y/N	NO
TOTAL PHOSPHOROUS MITIGATION? Y/N	NO

ZONING CODE SUMMARY

PROJECT NAME: FOREST HILL CHURCH – EBENEZER CAMPUS

PROJECT ADDRESS: 6210 OLD PINEVILLE ROAD CHARLOTTE, NC 28217 — TAX PARCEL: 16916101

OWNER: FOREST HILL CHURCH — PHONE #: –

OWNER ADDRESS: 7224 PARK ROAD, CHARLOTTE NC 28210

PLANS PREPARED BY: ORSBORN ENGINEERING GROUP — PHONE #: (704) 749-1432

ZONING: R-22MF — JURISDICTION: CITY OF CHARLOTTE

PROPOSED USE: RELIGIOUS ESTABLISHMENT

AVERAGE BUILDING HEIGHT: – FEET — STORIES: –

BUILDING COVERAGE: – SQ. FT. — GROSS FLOOR AREA: – SQ.FT. — RATIO: –

LOT SIZE: 6.323 SQ. FT./(ACRES) — NUMBER OF BUILDINGS: 3

YARD REQUIREMENTS:
- SETBACK (FRONT): 30 FT. FROM R/W
- SETBACK (SIDE): – FT.
- SIDE YARD: 5 FT
- REAR YARD: 40 FT.

REQUIRED BUFFERS:
- FRONT: (NO) / YES ___ FT.
- REAR: NO / (YES) 36 FT.
- SIDE (L): NO / (YES) 36 FT.
- SIDE (R): (NO) / YES ___ FT.

REQUIRED SCREENING:
- FRONT: (NO) / YES
- REAR: (NO) / YES
- SIDE (L): (NO) / YES
- SIDE (R): (NO) / YES
- PARKING ONLY: NO / (YES)

IMPERVIOUS COVERAGE: – (SQ. FT.) / ACRES

INTERIOR LANDSCAPING:
- REQUIRED: – SQ. FT.,
- PROVIDED: – SQ. FT.

PARKING DATA:
- AUTOMOBILE: 1 SPACE/4 SEATS = 108.5 REQUIRED
  149 PROVIDED INCLUDING 6 HC (2 VAN) AND 20 COMPACT (13.4%)
- BICYCLE: NONE REQUIRED
- LOADING: NONE REQUIRED

SOLID WASTE:
ROLL-OUT CONTAINERS

SITE LIGHTING:
POLE MOUNTED SIGHT LIGHTING PROPOSED. SEE C4.1 AND SITE ELECTRICAL PLANS

SITE NOTES

1. PLANIMETRIC AND TOPOGRAPHIC INFORMATION SHOWN ARE BASED ON A SURVEY PREPARED BY -----------------
2. OTHER ITEMS ON THESE DRAWINGS WERE DERIVED FROM CONSTRUCTION DRAWINGS BY --------.
3. ALL ROAD IMPROVEMENTS AT ------- ARE TO BE COORDINATED WITH THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
4. DEVELOPER WILL PROVIDE STREET SIGNS PER CLDSM# 50.05 (9" SIGNS ONLY)
5. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
6. DIRECT VEHICULAR ACCESS TO -------- FROM LOTS ------ IS PROHIBITED.
7. IN ROLLING AND HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.
8. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.
9. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.
10. ANY BUILDING WITHIN THE 100+1 STORMWATER ELEVATION LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY) SUBDIVISION ORDINANCE, SECTION 7.200.8.
11. ANY CONSTRUCTION OR USE WITHIN THE FUTURE CONDITIONS FLOOD FRINGE LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY.
12. ALL OPENINGS (E.G., DOORS, WINDOWS, VENTS) IN STRUCTURES BUILT ON LOT #'S ------ SHOULD BE LOCATED A MINIMUM OF ONE FOOT ABOVE THE ADJACENT FINISHED GROUND SURFACE (APPLIES TO LOTS WHICH MAY EXPERIENCE SIGNIFICANT OVERLAND FLOW NOT CONSIDERED IN THE 100+1 FLOOD ANALYSIS.)
13. NON-STANDARD ITEMS (IE: PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION BEFORE INSTALLATION. FOR CITY OF CHARLOTTE MAINTAINED STREETS, CONTACT CDOT AT (704) 336-3888.
14. PRIOR TO PLAT RECORDATION, OFFSITE R/W AND/OR CONSTRUCTION EASEMENTS ARE REQUIRED TO BE OBTAINED ACCORDING TO THE GUIDELINES OF THE "OFFSITE R/W ACQUISITION PROCESS". THESE NEEDED R/W AND CONSTRUCTION LIMITS ARE CLEARLY SHOWN ON THE ROADWAY IMPROVEMENT PLAN.
15. THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (GUS JORDI, 704-336-7086) TO IDENTIFY ANY CONFLICTS WITH TRAFFIC SIGNALIZATION EQUIPMENT. 60- 90 DAYS WILL BE REQUIRED TO COORDINATE RELOCATION. DEVELOPER SHALL BE RESPONSIBLE FOR ALL RELATED RELOCATION COST AND/OR ANY REPAIR COST CAUSED BY THE CONTRACTOR/DEVELOPER.
16. CERTIFICATION AND STREET CUT PERMITS ARE REQUIRED FOR UTILITY CUTS ON CITY STREETS. ALLOW 7 DAYS PROCESSING FOR PERMIT. FOR INFORMATION CONTACT CHARLOTTE DEPARTMENT OF TRANSPORTATION (704-336-4025) OR VISIT http://www.charmeck.org/Departments/Transportation/Street+Maintenance/home.htm

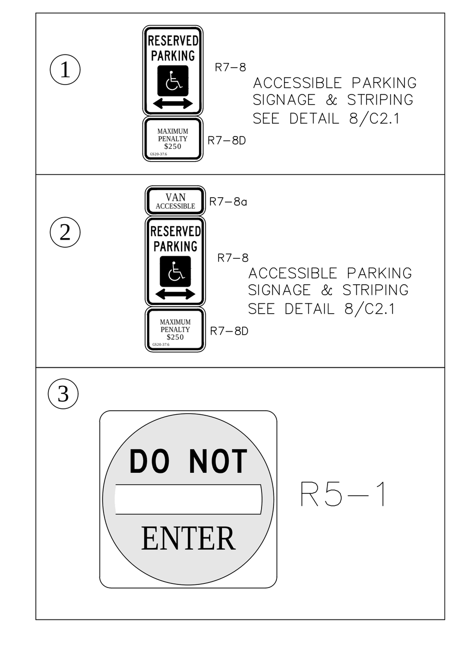
SITE NOTES

17. SIDEWALK WITHIN THE CITY'S R/W THAT REQUIRES REPLACEMENT AS PART OF THE DEVELOPMENT AND/OR STREET IMPROVEMENTS SHOULD BE PHASED IN SUCH A WAY AS TO MINIMIZE THE DURATION OF THE SIDEWALK CLOSURE TO THE EXTENT FEASIBLE. THE DEVELOPER SHOULD MAKE EVERY ATTEMPT TO HAVE SIDEWALK REPAIRED AND REOPENED FOR PUBLIC USE WITHIN 30 DAYS OF REMOVAL.
18. ANY WORK WITHIN THE CITY'S R/W THAT REQUIRES CLOSURE OF THE SIDEWALK OR TRAVEL LANE FOR LESS THAN 30 DAYS REQUIRES A R/W USE PERMIT. TRAFFIC CONTROL PLANS FOR ANY SIDEWALK OR TRAVEL LANE CLOSURES MUST BE SUBMITTED AS PART OF THE R/W USE PERMIT REQUEST. TRAFFIC CONTROL PLANS MUST BE IN ACCORDANCE WITH CDOT'S WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) AND MUST BE REVIEWED AND APPROVED. CONTRACTOR SHALL CONTACT CDOT AT LEAST 5 BUSINESS DAYS IN ADVANCE OF BEGINNING OF WORK AT (704) 432-1562.
19. CONSTRUCTION STAGING WITHIN CITY R/W LASTING MORE THAN 30 DAYS REQUIRES A R/W LEASE AGREEMENT. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348.
20. RIGHT-OF-WAY CLOSURES LONGER THAN 30 DAYS REQUIRE A R/W LEASE AGREEMENT WHICH WILL INCLUDE THE SUBMITTAL OF A TRAFFIC CONTROL PLAN. TRAFFIC CONTROL PLANS REQUIRED THROUGH A LEASE AGREEMENT MAY BE DIFFERENT FROM THE ONE REQUIRED DURING THE LAND DEVELOPMENT PLAN REVIEW AND ARE SUBJECT TO REVISIONS. THE REVISED TRAFFIC CONTROL PLANS MUST BE SUBMITTED AS PART OF THE LEASE AGREEMENT PROCESS FOR APPROVAL PRIOR TO START OF R/W CLOSURES. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348.
21. PER SECTION 18-175(c) OF CITY CODE AND SECTION 10.0 OF THE CITY'S POST CONSTRUCTION CONTROLS ADMINISTRATIVE MANUAL, ALL REQUIRED NATURAL AREAS AND/OR POST CONSTRUCTION CONTROLS EASEMENT (PCCEs) MUST BE RECORDED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
22. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING BENCHMARKS AND OTHER REFERENCE POINTS THROUGHOUT THE CONSTRUCTION PERIOD.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL CONSTRUCTION ELEMENTS. ALL DISCREPANCIES IN DIMENSIONING SHALL BE REPORTED TO THE ENGINEER AND OWNER IMMEDIATELY.
24. DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING UNLESS OTHERWISE SHOWN. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
25. WHEN DETAILS ARE PROVIDED, CONTRACTOR SHALL CONSTRUCT JOB PER SPECIFIC DETAILS, AND NOT BY SCALING FROM THESE PLANS.
26. ALL IMPROVEMENTS AND WORK SHALL BE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND ALL APPLICABLE STATE AND LOCAL STANDARDS. IN THE ABSENCE OF SPECIFIC PRODUCT SPECIFICATIONS OR CONSTRUCTION PROCEDURE, CONTRACTOR SHALL REFER TO THE 2012 NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, AND SHALL SUBMIT THE DETAIL/SPECIFICATIONS TO THE ENGINEER FOR APPROVAL.
27. IF A CONFLICT EXISTS BETWEEN SPECIFICATIONS ON THESE PLANS AND SPECIFICATIONS REFERENCED ON THESE PLANS, CONTRACTOR WILL BE HELD TO THE STRICTER SPECIFICATION.
28. IF A CONFLICT EXISTS BETWEEN SPECIFICATIONS AND DETAILS ON THESE PLANS AND MANUFACTURERS RECOMMENDATIONS, THE CONTRACTOR WILL BE HELD TO THE STRICTER SPECIFICATION.
29. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SITE IN A MANNER SUCH THAT WORKERS, OWNER REPRESENTATIVES, AND THE GENERAL PUBLIC IS PROTECTED FROM HARM. CONTRACTOR MAY INSTALL TEMPORARY PERIMETER FENCING AS APPROVED BY OWNER. CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL NECESSARY PERMITS ARE OBTAINED PRIOR TO INSTALLATION OF FENCING.

SITE NOTES

30. ROADWAY MARKING, STRIPING, SIGNS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD) AND SUBSEQUENT REVISIONS AND ADDENDUMS, AS PUBLISHED BY NCDOT AND CDOT.
31. UNLESS OTHERWISE INDICATED, ALL PAVEMENT MARKINGS SHALL BE PAINT INSTALLED PER NCDOT STD. SPEC. SECTION 1205.
32. UNLESS OTHERWISE INDICATED, PARKING STALLS SHALL BE 4" WHITE LINES.
33. CONTRACTOR SHALL VERIFY THAT ALL REQUIRED ENCROACHMENT PERMITS ARE IN PLACE BEFORE WORKING IN ANY EASEMENTS AND RIGHT-OF-WAYS. CONTRACTOR SHALL ADHERE TO ALL CONDITIONS AND PROVISIONS OF THE ENCROACHMENT DOCUMENTS. CONTRACTOR SHALL CONTACT BOB STALEY WITH CDOT AT 704-432-1562 PRIOR TO CONSTRUCTION TO OBTAIN THE NECESSARY PERMITS FOR ANY CONSTRUCTION ACTIVITIES WITHIN THE PUBLIC RIGHT OF WAY.
34. CONTRACTOR SHALL ADHERE TO ALL CONDITIONS AND PROVISIONS OF THE PROJECT PERMITS AND APPROVALS INCLUDING BUT NOT LIMITED TO DRIVEWAY PERMITS AND "APPROVED AS NOTED" COMMENTS. CONTRACTOR SHALL IMMEDIATELY REPORT ANY DISCREPANCIES BETWEEN CONDITIONS/PROVISIONS AND CONSTRUCTION DOCUMENTS TO ENGINEER AND OWNER.
35. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
36. CONTACT THE UTILITY COMPANY TO RELOCATE ANY EXISTING UTILITY POLES. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT MUST BE RELOCATED AT THE EXPENSE OF THE APPLICANT.
37. ALL DEVELOPMENT CREATING A TOTAL OF 20,000 SQUARE FEET OF IMPERVIOUS AREA SINCE SEPTEMBER 1978 WILL REQUIRE STORM DRAINAGE DETENTION.
38. TREES WITHIN THE STREET RIGHT OF WAY ARE PROTECTED BY LAW. A PERMIT IS REQUIRED FROM THE CITY ARBORIST AT (704) 336-5753 PRIOR TO THE REMOVAL OF ANY RIGHT OF WAY TREES. ALL TREES OVER 8" IN DIAMETER AS MEASURED 4.5' ABOVE GROUND AND LOCATED WITHIN THE SETBACK ARE PROTECTED BY LAW. CONTACT LAND DEVELOPMENT AT (704) 336-6692 FOR REQUIRED PERMITS.
39. BEFORE YOU DIG STOP. CALL THE NC ONE-CALL CENTER AT 1-800-632-4949. IT'S THE LAW.
40. CONTRACTOR SHALL INSTALL PVC SLEEVES UNDER PAVED AREAS FOR UTILITY AND IRRIGATION BEING INSTALLED AFTER PAVING OPERATIONS COMMENCE. COORDINATE WITH EACH UTILITY AND IRRIGATION INSTALLER FOR NUMBER OF SLEEVES, LOCATION, AND SIZE REQUIRED.
41. LANDSCAPE CONTRACTOR SHALL IS RESPONSIBLE FOR INSTALLING NECESSARY PVC SLEEVES UNDER PAVED AREAS FOR IRRIGATION BEING INSTALLED AFTER PAVING OPERATIONS COMMENCE. GC SHALL COORDINATE PAVING SCHEDULE WITH LANDSCAPE CONTRACTOR TO ENSURE INSTALLATION OF SLEEVES OCCURS PRIOR TO COMMENCEMENT OF PAVING OPPERATIONS.
42. CONTRACTOR SHALL INSTALL PVC SLEEVES UNDER PAVED AREAS FOR UTILITIES BEING INSTALLED AFTER PAVING OPPERATIONS COMMENCE. CONTRACTOR SHALL COORDINATE WITH EACH UTILITY FOR NUMBER OF SLEEVES, LOCATION, AND SIZE REQUIRED.CONTRACTOR SHALL REVIEW COMPLETE SET OF PLANS FOR COORDINATION BETWEEN CIVIL, ARCHITECTURAL, LANDSCAPE, MEP, ETC. PRIOR TO CONSTRUCTION.
43. CONTRACTOR SHALL REVIEW COMPLETE SET OF PLANS FOR COORDINATION BETWEEN CIVIL, ARCHITECTURAL, LANDSCAPE, MEP, ETC. PRIOR TO CONSTRUCTION.
44. ALL WALKS AND OTHER PAVED AREAS SHALL COMPLY WITH ADA CODE FOR LONGITUDINAL SLOPE AND CROSS SLOPE. WALK SLOPES SHALL NOT EXCEED 5%, AND SHALL NOT EXCEED 2% CROSS SLOPE UNLESS OTHERWISE NOTED.
45. DEVELOPER WILL PROVIDE STREET SIGNS PER CLDSM#50.05 (9" SIGNS ONLY).

SIGN LEGEND



NORTH

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

ORSBORN ENGINEERING GROUP
610 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P) 704-749-1432 • F) 704-749-1433

SITE PLAN
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

NORTH CAROLINA PROFESSIONAL CORPORATION C-3139 ORSBORN ENGINEERING GROUP, P.A.

NORTH CAROLINA PROFESSIONAL SEAL 028786 ENGINEER JEFFERY C. ORSBORN

REVISIONS | DATE

JOB #	16011
DATE:	8/24/2016
SCALE:	1" = 30'
DRAWN BY:	BAO
APPROVED BY:	JCO

C2.1

August 10, 2016 - 2:10pm By: boden
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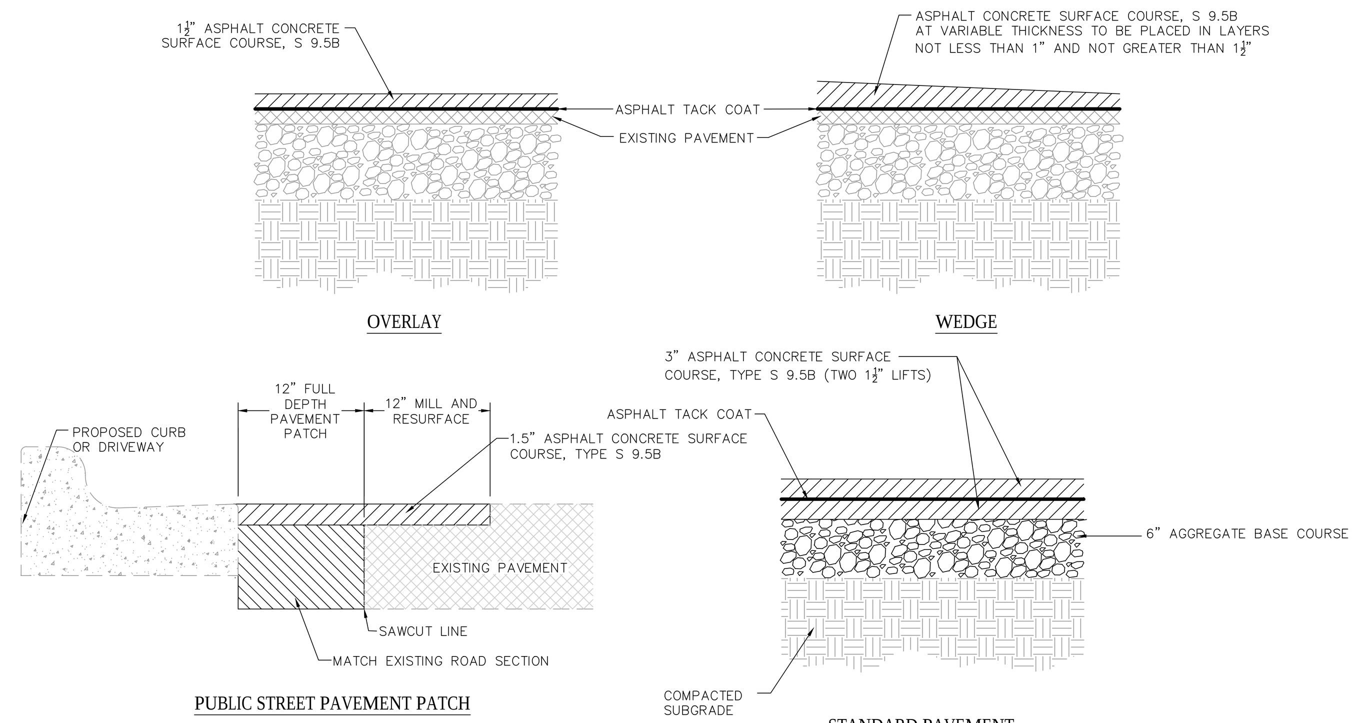


OVERLAY

WEDGE

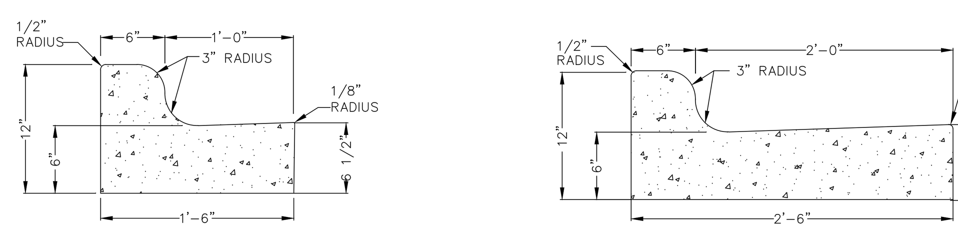
PUBLIC STREET PAVEMENT PATCH

STANDARD PAVEMENT

NOTE

1. REFER TO N.C.D.O.T. SPECIFICATION SECTION 500 FOR SUBGRADE PREPARATIONS.
2. REFER TO N.C.D.O.T. SPECIFICATION SECTION 520 FOR AGGREGATE BASE COURSE.
3. REFER TO N.C.D.O.T. SPECIFICATION SECTION 605 FOR ASPHALT TACK COAT.
4. REFER TO N.C.D.O.T. SPECIFICATION SECTION 610 FOR ASPHALT CONCRETE PLANT MIX PAVEMENT.

1 STANDARD PAVEMENTS
NTS

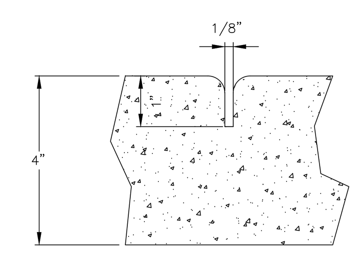


1'-6" STANDARD CURB AND GUTTER

STANDARD 2'-6" CURB AND GUTTER

NOTES:
1. CONTRACTION JOINTS SHALL BE SPACED AT 10-FOOT INTERVALS. FOR VALLEY GUTTER, A 10-FOOT SPACING MAY BE USED WHEN A MACHINE IS USED. JOINT SPACING MAY BE ALTERED BY THE CITY ENGINEER TO PREVENT UNCONTROLLED CRACKING.
2. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/2" SHALL BE OBTAINED.
3. ALL EXPANSION JOINTS SHALL BE SPACED AT 90-FOOT INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS. JOINTS SHALL MATCH LOCATIONS WITH JOINTS IN ABUTTING SIDEWALK.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 P.S.I. IN 28 DAYS.
5. CURB SHALL BE DEPRESSED AT INTERSECTIONS TO PROVIDE FOR FUTURE ACCESSIBLE RAMPS.
6. TOP 6" OF SUBGRADE BENEATH THE CURB AND GUTTER SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.

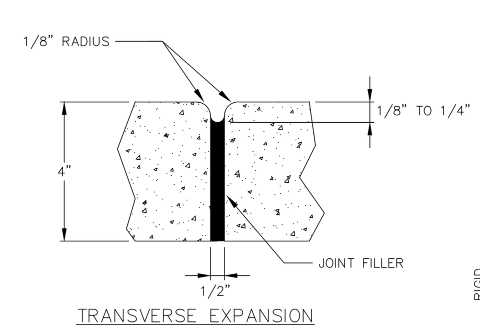
2 STANDARD CURB AND GUTTER
NTS CLDSM STD. DTL. 10.17



GROOVE JOINT IN SIDEWALK

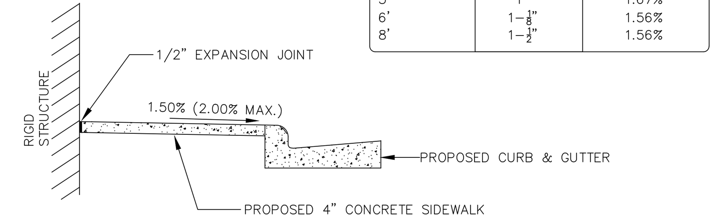
GENERAL NOTES:

1. A GROOVE JOINT 1" DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS NOT TO EXCEED 50' AND MATCHING EXPANSION/CONSTRUCTION JOINT IN ADJACENT CURB. A SEALED 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
2. SIDEWALK AT DRIVEWAY ENTRANCES TO BE 6" THICK.
3. WIDTH OF SIDEWALK ON THOROUGHFARE STREETS SHALL BE A MINIMUM OF 6'. WIDTH OF SIDEWALKS IN THE CENTRAL BUSINESS DISTRICT WILL BE DETERMINED BY THE CDOT.
4. WIDTH OF SIDEWALKS ON NON-THOROUGHFARE STREETS SHALL BE BASED ON TYPICAL STREET SECTION, A MINIMUM OF 5'. SIDEWALK TO BE POURED TO END OF RADIUS AT INTERSECTING STREETS.
5. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI. IN 28 DAYS.
6. ZONING CONDITIONS MAY REQUIRE ADDITIONAL WIDTH SIDEWALKS WHICH SHALL SUPERSEDE THESE STANDARD DIMENSIONS SHOWN.
7. LIDS FOR JUNCTION BOXES AND UTILITY VAULTS SHALL BE NON-SKID AS SPECIFIED BY ENGINEER.
8. JOINT MATERIALS SHALL LIMIT SHRINK/SWELL SO POST CONSTRUCTION INSTALLATION RESULTS IN A MAXIMUM OF 1/4" FROM FLUSH.



TRANSVERSE EXPANSION JOINT IN SIDEWALK

EXAMPLE SIDEWALK CONSTRUCTION DIMENSIONS:		
WIDTH	RISE	CROSS-SLOPE
4'	¾"	1.56%
5'	1"	1.67%
6'	1-⅛"	1.56%
8'	1-½"	1.56%



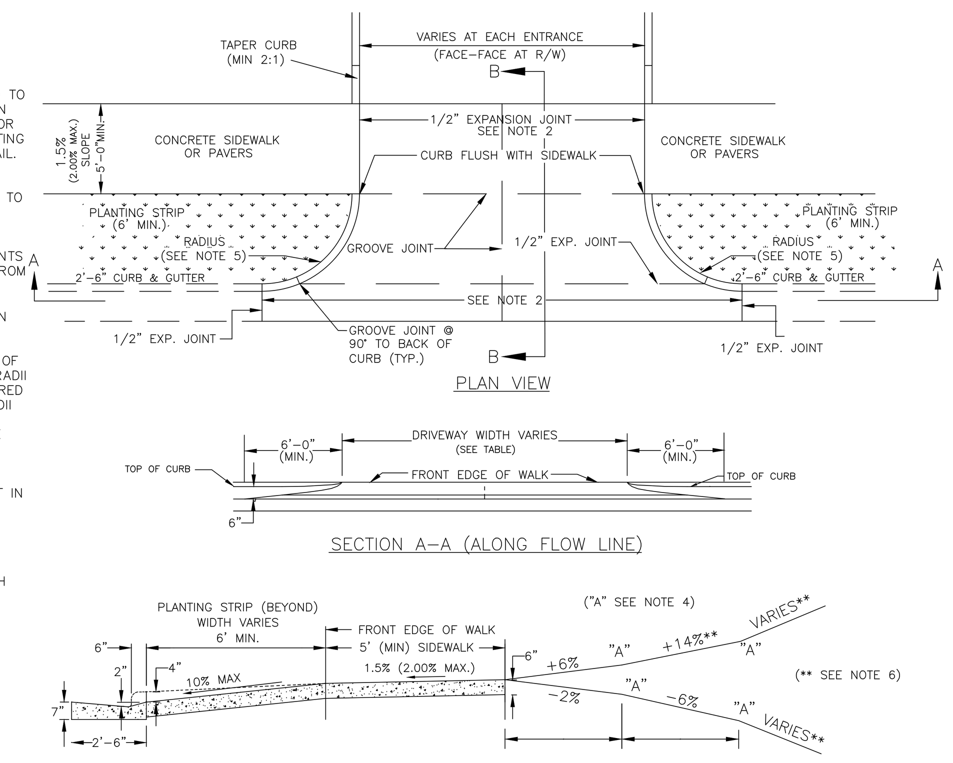
DETAILS SHOWING EXPANSION JOINTS IN CONCRETE SIDEWALK

3 CONCRETE SIDEWALKS
NTS CLDSM STD. DTL. 10.22 (REV 13)

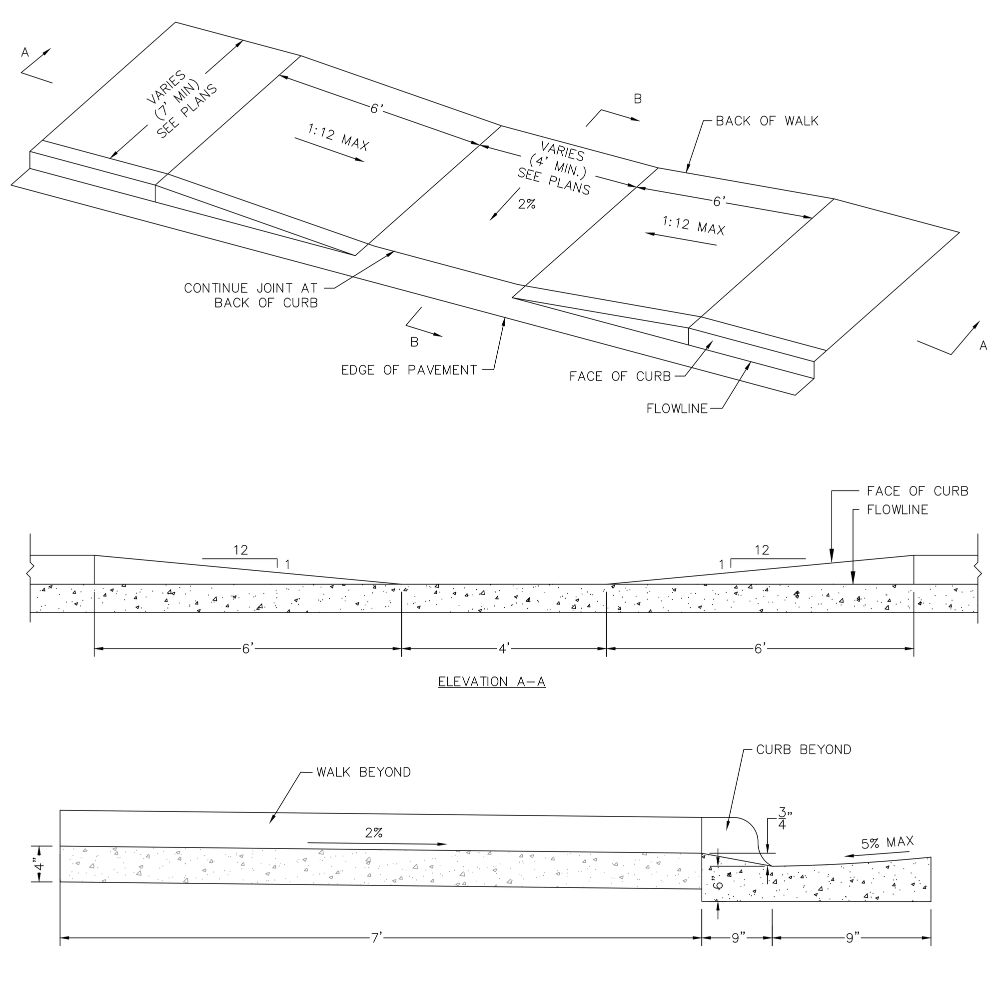
NOTES:

1. ALL CONCRETE TO BE 3600 P.S.I. COMPRESSIVE STRENGTH.
2. AT ALL DRIVEWAYS, SIDEWALKS TO BE REMOVED TO THE NEAREST JOINT BEYOND NEW CONSTRUCTION OR CUT WITH A SAW AND REMOVED. SAW CUT OR JOINT TO BE PERPENDICULAR TO EDGE OF EXISTING PAVEMENT. SEE STD. NO. 10.17 FOR JOINT DETAIL. PAY LIMITS FOR WORK DONE UNDER CITY OF CHARLOTTE CONTRACTS ARE FROM EXPANSION JOINT TO EXPANSION JOINT, FROM LIP OF CURB TO BACK OF SIDEWALK.
3. ALL DRIVEWAYS MUST MEET THE CURRENT CITY DRIVEWAY REGULATIONS AND NCDOT REQUIREMENTS FOR SPACING, SIGHT DISTANCE, AND OFFSETS FROM PROPERTY LINES AND INTERSECTIONS.
4. ALGEBRAIC DIFFERENCE IN GRADE ("A") BETWEEN SLOPES SHALL BE 8% OR LESS.
5. RADII MUST BE MINIMUM 6 FEET OR THE WIDTH OF THE PLANTING STRIP, WHICHEVER IS GREATER. RADII GREATER THAN THESE MINIMUMS MAY BE REQUIRED BY CDOT ON A CASE-BY-CASE BASIS. FOR RADII GREATER THAN 6 FEET, THE RADII ARE TO CONTINUE AS A BAND AT-GRADE THROUGH THE SIDEWALK.
6. PER NC IFC SECTION D103.2, FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 10 PERCENT IN GRADE.
7. PAVERS USED IN DRIVEWAY MUST HAVE A THICKNESS OF 3 INCHES.
8. JOINT MATERIAL SHOULD BE PLACED FLUSH WITH CONCRETE.

DRIVEWAY DIMENSIONS		
OPERATION/RADIUS	MINIMUM	MAXIMUM
ONE-WAY WITH 6-12 FT. RADII	20'	30'
ONE-WAY WITH 13+ FT. RADII	15'	25'
TWO-WAY WITH 6-12 FT. RADII	26'	50'
TWO-WAY WITH 13+ FT. RADII	22'	40'



4 TYPE II-MODIFIED DRIVEWAY DETAIL WITH WIDE PLANTING STRIP AND STANDARD CURB
NTS CLDSM STD. DTL. 10.25E (REV 13)



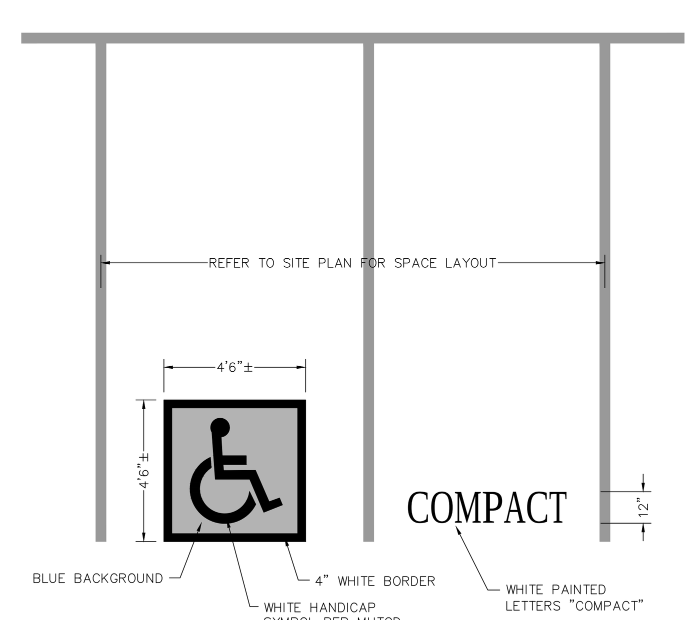
ELEVATION A-A

TYPICAL RAMP ℄ SECTION B-B

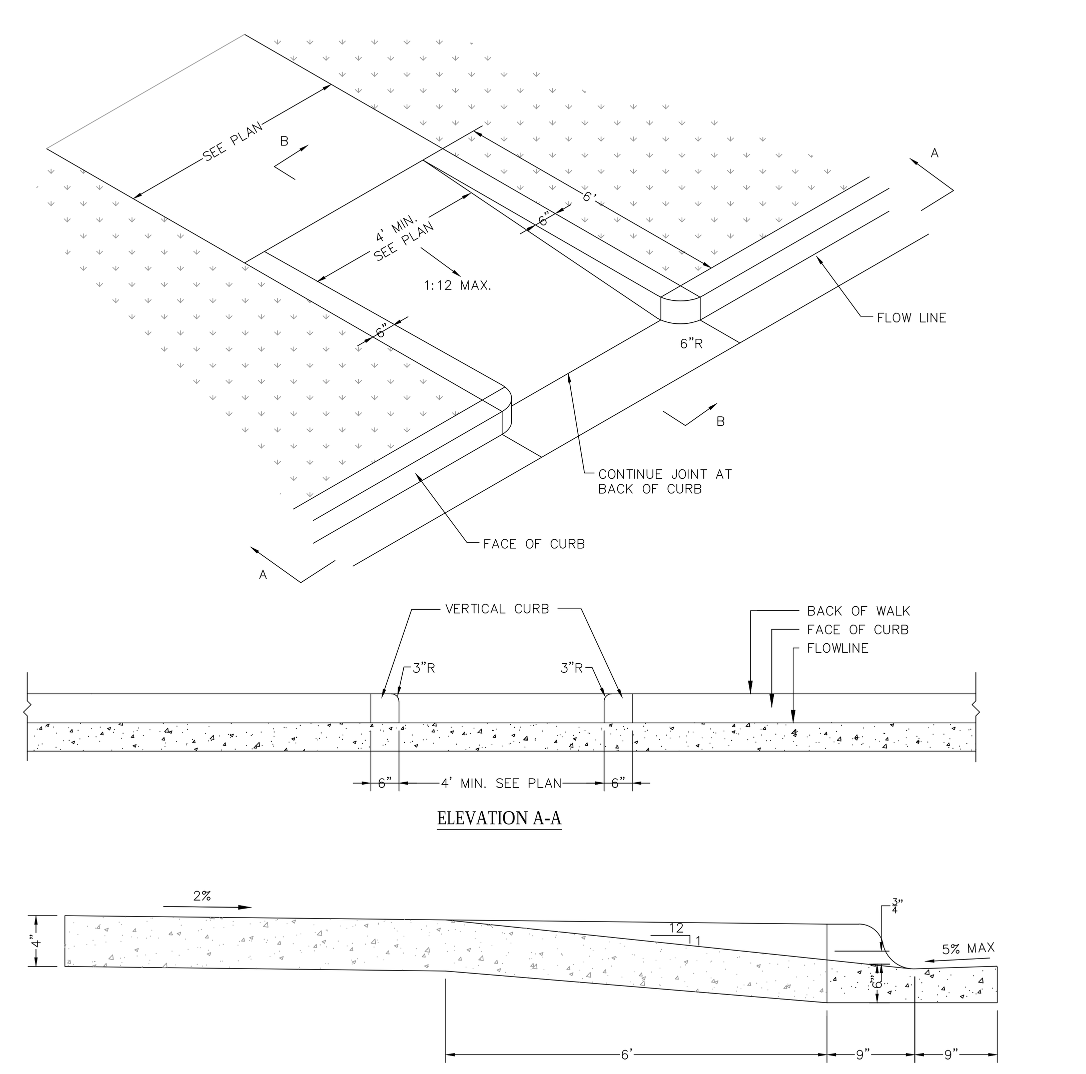
NOTE

1. REFER TO CONCRETE SIDEWALK DETAIL FOR MORE INFORMATION.
2. CURB RAMPS SHALL BE ISOLATED FROM ALL OTHER CONCRETE BY EXPANSION JOINTS.
3. A GROOVE JOINT SHALL BE 1" DEEP WITH ⅛" RADII. A SEALED ½" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI. IN 28 DAYS.

5 ACCESSIBLE RAMP ADJACENT TO PARKING WITH LANDING
NTS



6 SPECIALIZED PARKING SYMBOL DETAIL
NTS



ELEVATION A-A

TYPICAL RAMP ℄ SECTION B-B

NOTE

1. REFER TO CONCRETE SIDEWALK DETAIL FOR MORE INFORMATION.
2. CURB RAMPS SHALL BE ISOLATED FROM ALL OTHER CONCRETE BY EXPANSION JOINTS.
3. A GROOVE JOINT SHALL BE 1" DEEP WITH ⅛" RADII. A SEALED ½" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3600 PSI. IN 28 DAYS.

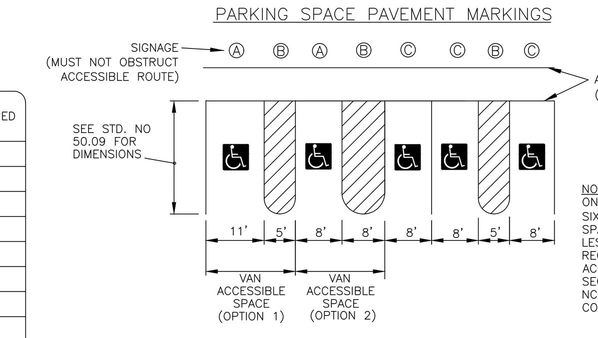
7 ACCESSIBLE RAMP
NTS

ACCESSIBLE PARKING REQUIREMENTS

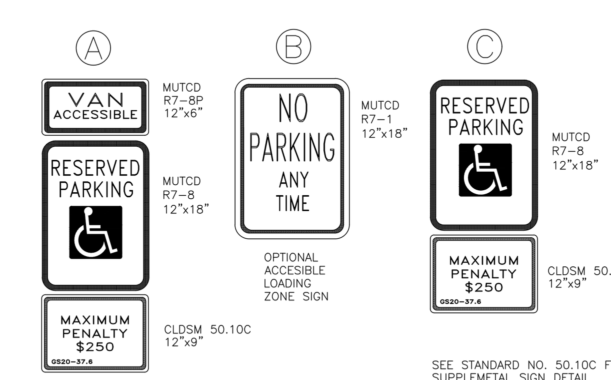
TOTAL PARKING SPACES PROVIDED	MINIMUM NUMBER OF ACCESSIBLE SPACES SPACES REQUIRED	MINIMUM NUMBER OF ACCESSIBLE SPACES REQUIRED TO BE VAN ACCESSIBLE
1 TO 25	1	1
26 TO 50	2	1
51 TO 75	3	1
76 TO 100	4	1
101 TO 150	5	1
151 TO 200	6	1
201 TO 300	7	2
301 TO 400	8	2
401 TO 500	9	2
501 TO 1000	2% OF TOTAL	1 IN EVERY 6 ACCESSIBLE SPACES
1001 AND OVER	20 PLUS 1 FOR EACH 100 OVER 1000	1 IN EVERY 6 ACCESSIBLE SPACES
REFERENCE: SECTION 1106 OF NC BUILDING CODE		

NOTES:
1. ALL 12"x18" ACCESSIBLE SIGNS (R7-8 & R7-1) SHALL BE MOUNTED AT 7 FEET FROM GRADE TO BOTTOM EDGE OF SIGN FACE (MUTCD). MOUNTING HEIGHT CAN BE REDUCED TO 5 FEET IF PLACED IN AN AREA BETWEEN SIDEWALK AND BUILDING FACE IN WHICH PEDESTRIANS ARE NOT EXPECTED TO USE.
2. IF ACCESSIBLE ROUTE IS A RAISED SIDEWALK AREA, THEN RAMPS ARE REQUIRED AT LOADING ZONE AREA. MAINTAIN MIN. 4' WIDE CONTINUOUS PASSAGE.
3. VERTICAL CLEARANCE FOR VANS MUST BE GREATER THAN 98-INCHES.
4. THIS DETAIL IS TO PROVIDE GENERAL GUIDANCE FOR PARKING LAYOUT AND DESIGN; REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) U.S. DEPARTMENT OF TRANSPORTATION AND NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPPLEMENT AND NC BUILDING CODE FOR ADDITIONAL INFORMATION.

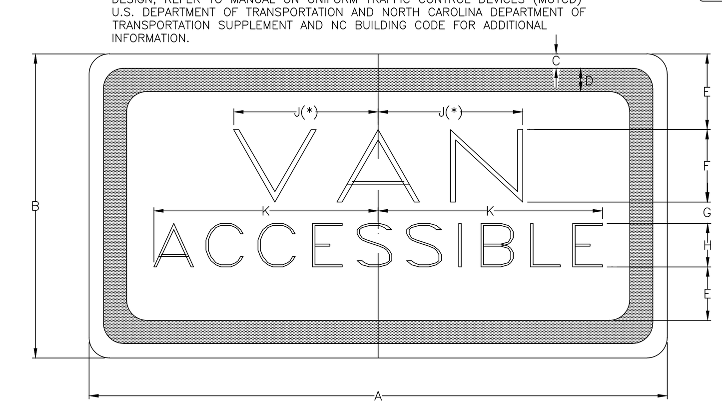
PARKING SPACE PAVEMENT MARKINGS



NOTE:
ONE OUT OF EVERY SIX (6) ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, IS REQUIRED TO BE VAN ACCESSIBLE, PER SECTION 1106.5 OF NC STATE BUILDING CODE



SEE STANDARD NO. 50.10C FOR SUPPLEMETAL SIGN DETAIL



R7-8P

DIMENSIONS (INCHES)										
A	B	C	D	E	F	G	H	J	K	L
12	6	3/8	3/8	1-1/2	1-1/2D	1/2	1D	2-1/2	4	1-1/2

*INCREASE SPACING 50%
D-FHWA (FEDERAL HIGHWAY ADMINISTRATION/USDOT) SERIES D LETTERS

LEGEND AND BORDER - GREEN
BACKGROUND - WHITE

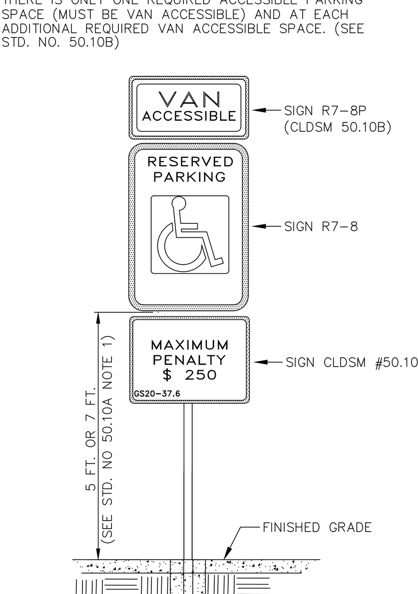
LEGEND AND BORDER - GREEN
BACKGROUND - WHITE

SIGN APPROVED FOR USE UNDER GENERAL STATUTE 20-37.6

THIS PENALTY SIGN IS REQUIRED TO ACCOMPANY ALL R7-8 PARKING SIGNS ERECTED AFTER DECEMBER 31,1990

NOTE:

SUPPLEMENTAL VAN ACCESSIBLE SIGN (R7-8P) USED IF THERE IS ONLY ONE REQUIRED ACCESSIBLE PARKING SPACE (MUST BE VAN ACCESSIBLE) AND AT EACH ADDITIONAL REQUIRED VAN ACCESSIBLE SPACE. (SEE STD. NO. 50.10B)



8 ACCESSIBLE PARKING & SIGNAGE STANDARDS
NTS CLDSM STD. DTL. 50.10 MOD (REV 13)

ORSBORN ENGINEERING GROUP
610 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P) 704-749-1432 • F) 704-749-1433

SITE DETAILS
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

NORTH CAROLINA PROFESSIONAL CORPORATION C-3139 ORSBORN ENGINEERING GROUP, P.A.

NORTH CAROLINA PROFESSIONAL SEAL 028786 ENGINEER JEFFERY C. ORSBORN

REVISIONS

DATE

JOB #	16011
DATE:	8/24/2016
SCALE:	NTS
DRAWN BY:	BAO
APPROVED BY:	JCO

C2.2

August 10, 2016 - 2:11pm By: boden
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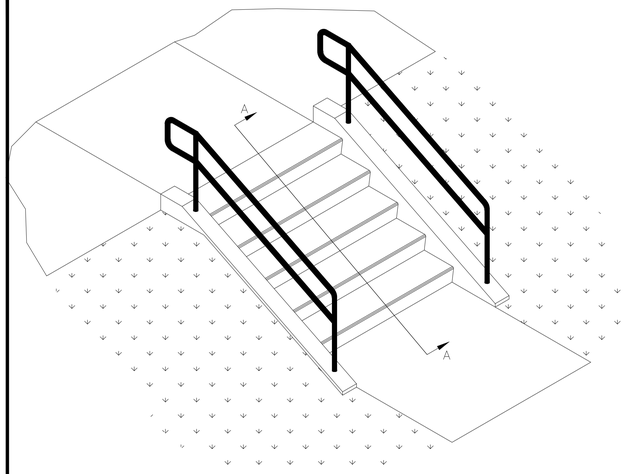
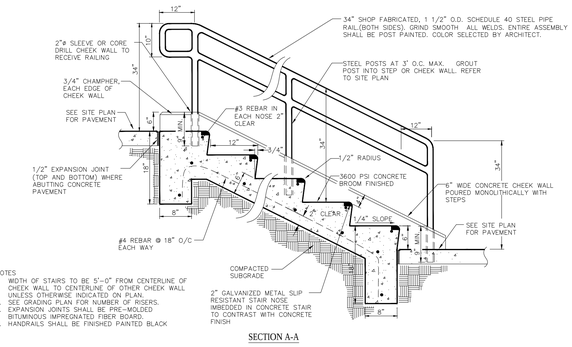
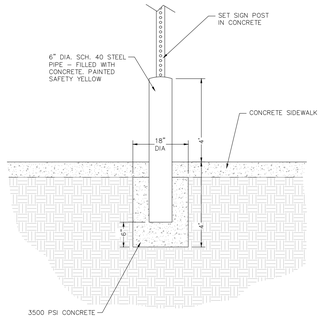


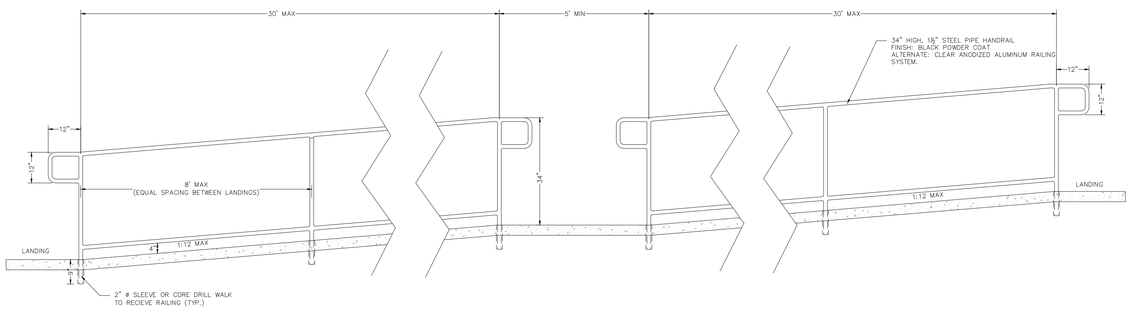


NOTES
1. WIDTH OF STAIRS TO BE 5'-0" FROM CENTERLINE OF CHEEK WALL TO CENTERLINE OF OTHER CHEEK WALL UNLESS OTHERWISE INDICATED ON PLAN.
2. SEE GRADING PLAN FOR NUMBER OF RISERS.
3. EXPANSION JOINTS SHALL BE PRE-MOLDED BITUMINOUS IMPREGNATED FIBER BOARD.
4. HANDRAILS SHALL BE FINISHED PAINTED BLACK

1 SIDEWALK STEPS
NTS



3 PIPE BOLLARD W/ SIGN
NTS



2 SIDEWALK RAMP
NTS

ORSBORN ENGINEERING GROUP
630 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P: 704-749-1432 • F: 704-749-1433

SITE DETAILS
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

NORTH CAROLINA PROFESSIONAL ENGINEERING FIRM C-3139

NORTH CAROLINA PROFESSIONAL SEAL 026786 ENGINEER

REVISIONS

DATE	

JOB #	16011
DATE:	8/24/2016
SCALE:	NTS
DRAWN BY:	BAO
APPROVED BY:	JCO

C2.3

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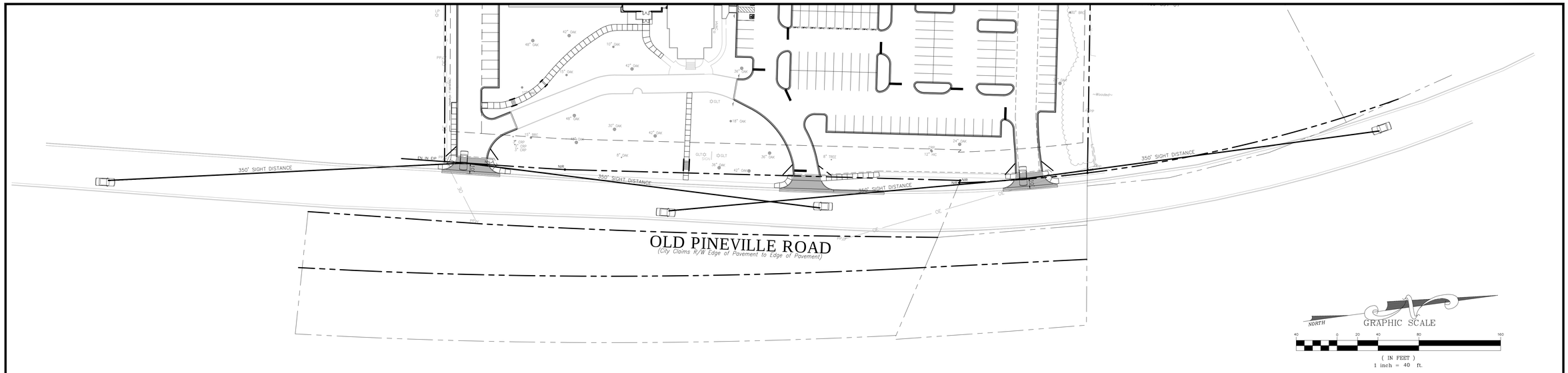

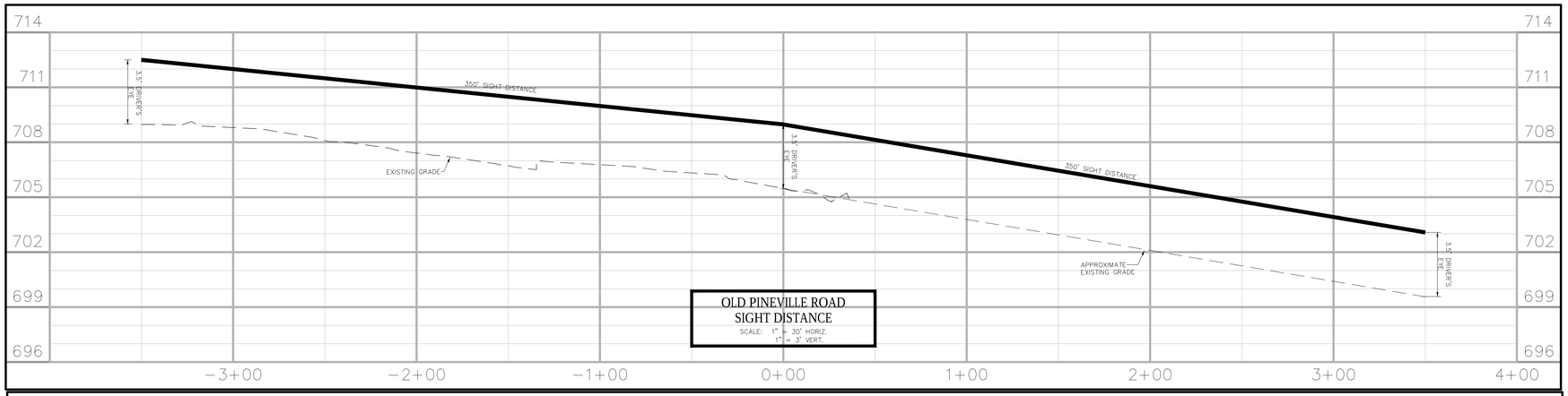

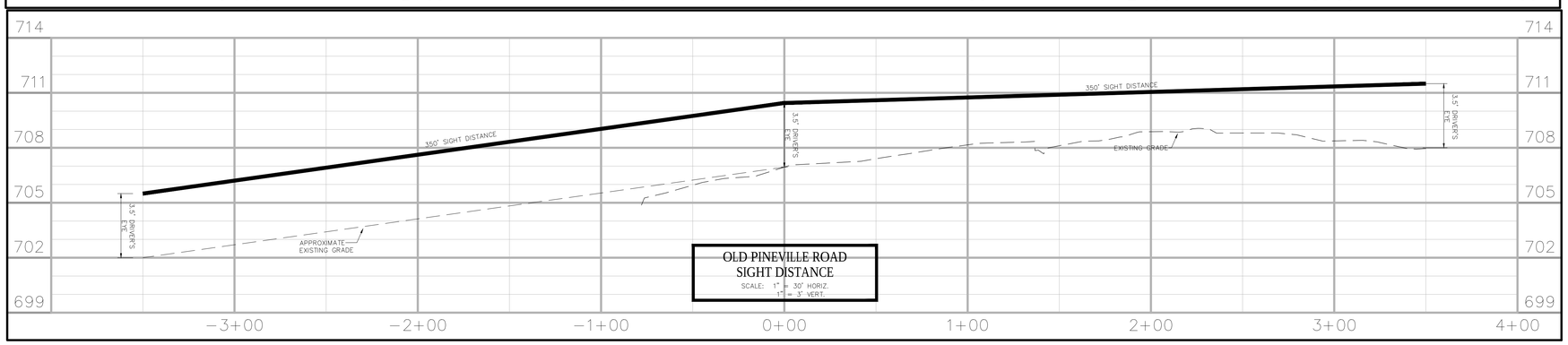

POSTED SPEED LIMIT (OLD PINEVILLE ROAD): 30 MPH
DESIGN SPEED (OLD PINEVILLE ROAD): 35 MPH

ORSBORN ENGINEERING GROUP
610 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P) 704-749-1432 • F) 704-749-1433

SIGHT DISTANCE
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

ORSBORN ENGINEERING GROUP, P.A. — CERTIFICATE OF AUTHORIZATION — C-3139

NORTH CAROLINA PROFESSIONAL SEAL 028786 ENGINEER — JAMES C. OSBORN

REVISIONS

DATE:

JOB #	16011
DATE:	8/24/2016
SCALE:	1" = 40'
DRAWN BY:	BAO
APPROVED BY:	JCO

C2.4

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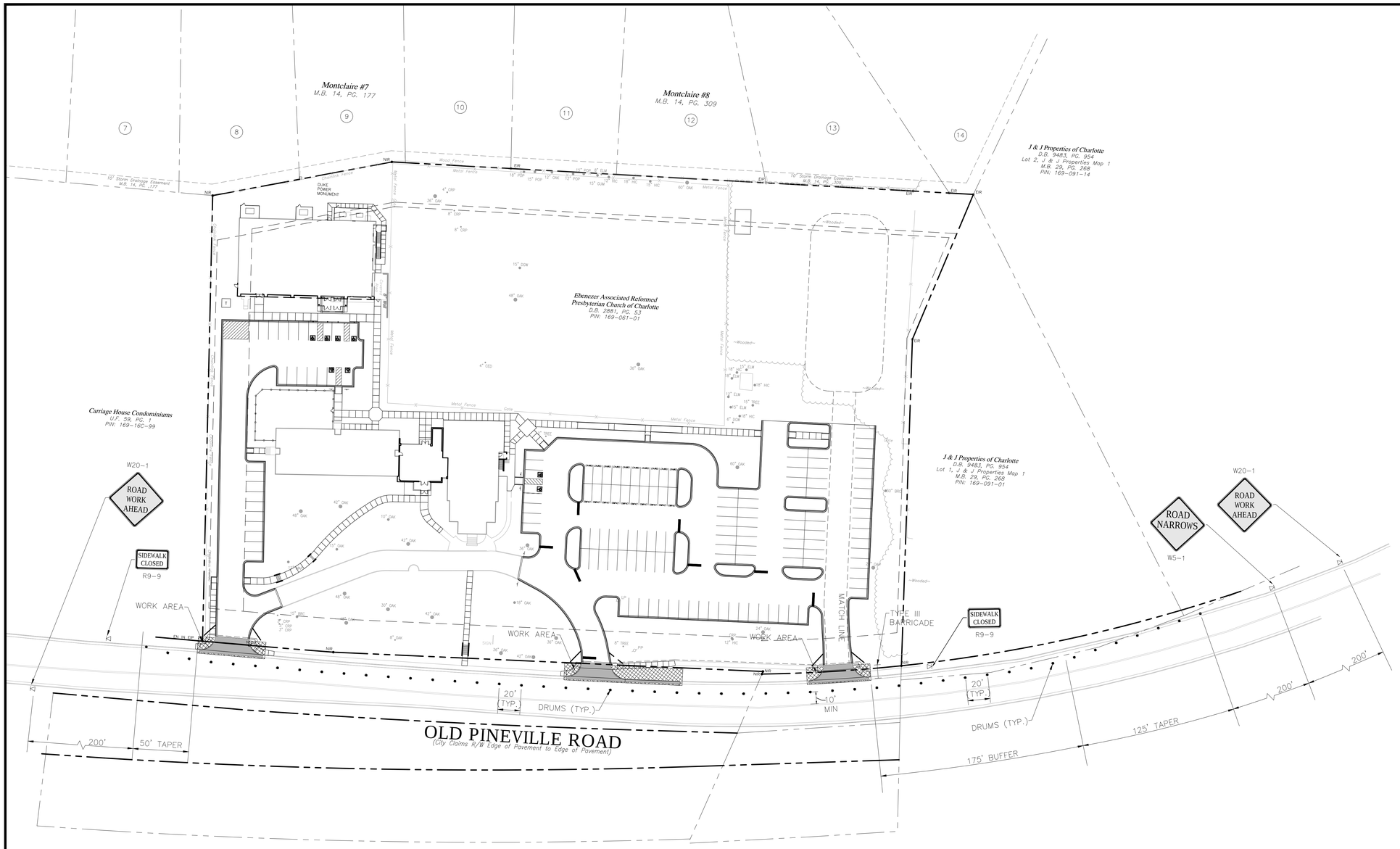


TRAFFIC CONTROL GENERAL NOTES

A) ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE MOST CURRENT EDITIONS OF THE CHARLOTTE DEPT. OF TRANSPORTATION(CDOT) WORK AREA TRAFFIC CONTROL HANDBOOK(W.A.T.C.H.), THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES(M.U.T.C.D.), THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION(NCDOT) SUPPLEMENT TO THE M.U.T.C.D., THE NCDOT ROADWAY STANDARD DRAWINGS AND THE CURRENT EDITION OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.

B) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH, INSTALL, RELOCATE, AND MAINTAIN ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, WARNING AND/OR CHANNELIZING DEVICES FOR WORK SITES AND DETOUR ROUTES AS SHOWN IN TRAFFIC CONTROL PLANS AS REQUIRED BY THE INSPECTOR.

C) CONTRACTOR SHOULD BE AWARE THAT WHEN THE CONSTRUCTION AREA IS IN OR NEAR A VERTICAL CREST OR HORIZONTAL CURVE, THE WORK AREA SHALL BE EXTENDED SO THAT LANE CLOSURE BEGINS IN ADVANCE OF THE CURVE AND MINIMUM STOPPING SIGHT DISTANCE IS MET.

D) THE CONTRACTOR SHALL MARK ALL HAZARDS WITHIN THE LIMITS OF THE PROJECT WITH WELL-MAINTAINED SIGNS, BARRICADES, WARNING AND/OR CHANNELIZING DEVICES. ON CONNECTING ROADS, ALL BARRICADES, SIGNS, WARNING, AND/OR CHANNELIZING DEVICES SHALL BE MOVED, SUPPLEMENTED, CHANGED, OR REMOVED AS REQUIRED DURING THE PROGRESS OF CONSTRUCTION AS APPROVED BY THE ENGINEER.

E) WORK ON THE PROJECT OR ANY SEPARATE ACTIVITY THEREIN SHALL NOT START UNTIL ALL OF THE REQUIRED SIGNS, BARRICADES, WARNING, AND/OR CHANNELIZING DEVICES ARE INSTALLED AND APPROVED BY THE ENGINEER.

F) THE CONTRACTOR MUST MAINTAIN DURING ALL PERIODS OF CONSTRUCTION ACTIVITY THE ABILITY TO FLAG TRAFFIC USING QUALIFIED FLAGGERS WHEN NECESSARY OR REQUIRED

G) THE CONTRACTOR SHALL MAINTAIN TWO WAY TRAFFIC ON ALL PORTIONS OF THIS PROJECT UNLESS OTHERWISE SPECIFIED IN THE PLANS, PROJECT NOTES, OR BY THE ENGINEER,

H) CONTRACTOR WILL BE REQUIRED TO PROVIDE PROPERTY OWNERS AND TENANTS ACCESS TO THEIR PROPERTY THROUGHOUT THE PROJECT LIMITS, INCLUDING REASONABLE INGRESS AND EGRESS FOR BUSINESSES. SPECIAL ATTENTION SHALL BE PAID TO FIRE HYDRANTS.

I) THE CONTRACTOR SHALL PATROL THE WORK SITE AT THE BEGINNING AND END OF EACH WORK DAY (AT A MINIMUM) TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING PROPERLY. CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING AT ALL TIMES DURING PERIODS OF CONSTRUCTION INACTIVITY.

J) DURING PERIODS OF INACTIVITY OR AT NIGHT, EQUIPMENT SHALL NOT BE PARKED IN SUCH A MANNER AS TO BLOCK SIDEWALKS, TRAFFIC CONTROL DEVICES, OR THE MOTORISTS' VIEW OF TRAFFIC. EQUIPMENT SHALL BE AT LEAST 10 FEET AWAY FROM THE TRAVEL LANE.

K) WHENEVER TRAFFIC MUST BE ROUTED ACROSS THE CENTERLINE DURING CONSTRUCTION ACTIVITY, THE TWO OPPOSING DIRECTIONS MUST BE PHYSICALLY SEPARATED. TRAFFIC CONES CAN BE USED FOR THIS PURPOSE DURING DAYLIGHT HOURS; REFLECTORIZED CONES OR DRUMS MUST BE USED AT NIGHT. TRAFFIC SHALL NOT BE ROUTED ACROSS THE CENTERLINE DURING CONSTRUCTION INACTIVITY UNLESS PAVEMENT MARKING CONFLICTS ARE APPROPRIATELY ADDRESSED AND AGREEMENT ON REMOVAL OR NOT IS WORKED OUT WITH THE ENGINEER IN ACCORDANCE WITH SECTION 16 OF THE W.A.T.C.H. HANDBOOK. IF THE ENGINEER APPROVES TRAFFIC TO CROSS THE CENTER LINE DURING CONSTRUCTION INACTIVITY, ONLY REFLECTORIZED DRUMS MUST BE USED.

L) ADJACENT LANES TO CONSTRUCTION ZONES MAY REMAIN OPEN IF LATERAL CLEARANCE BETWEEN EDGE OF TRAVEL LANE AND EQUIPMENT IS EQUAL TO OR GREATER THAN 5 FEET (INCLUDING WIDTH OF DRUM).

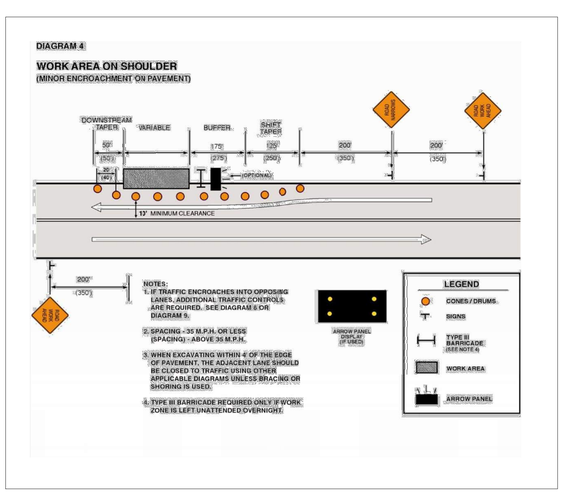
M) THE CONTRACTOR SHALL NOT BE ALLOWED TO STOP TRAFFIC FOR MORE THAN 5 MINUTES AT A TIME IN ANY ONE DIRECTION.

N) CONTRACTOR SHALL NOT BE ALLOWED TO WORK ON BOTH SIDES OF THE ROAD SIMULTANEOUSLY WITHIN THE SAME AREA EXCEPT WHERE THE ROADWAY IS DIVIDED BY A RAISED MEDIAN. IT WILL BE ACCEPTABLE TO CONSTRUCT BORE PITS ON EACH SIDE OF A ROADWAY FOR BORING UTILITIES UNDER THE ROADWAY UNLESS SUPERCEDED BY ENGINEER TO COMPLY WITH PEDESTRIAN REQUIREMENTS OR LATERAL CLEARANCE FROM TRAVEL LANES.

TRAFFIC CONTROL LEGEND

- DRUM (REFER TO NCDOT STANDARD DRAWING 1130.01)
- STATIONARY SIGN (REFER TO NCDOT STANDARD DRAWINGS 1110.01 & 1110.02)
- TYPE III BARRICADE

POSTED SPEED LIMIT = 30 MPH
DESIGN SPEED = 35 MPH



ORSBORN ENGINEERING GROUP
630 EAST MOREHEAD STREET, SUITE 106
CHARLOTTE, NC 28202
P: 704-749-1433 • F: 704-749-1433

TRAFFIC CONTROL PLAN
FOR
FOREST HILL CHURCH - EBENEZER CAMPUS
6210 OLD PINEVILLE ROAD
CHARLOTTE, NC 28217

FOREST HILL CHURCH
7224 PARK ROAD
CHARLOTTE, NC 28210

ORSBORN ENGINEERING GROUP, PA
CERTIFICATE OF AUTHORIZATION
C-3139

NORTH CAROLINA
PROFESSIONAL
SEAL
028786
ENGINEER
JAMES C. OWEN, III

REVISIONS

DATE

JOB #	16011
DATE:	8/24/2016
SCALE:	1" = 40'
DRAWN BY:	BAO
APPROVED BY:	JCO

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