

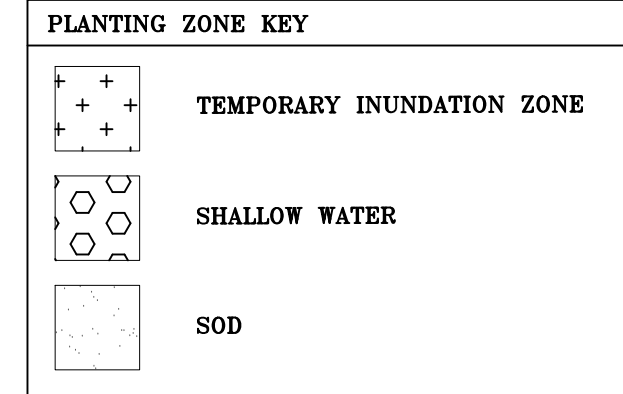
WETLAND PLANTING INSTRUCTIONS

1. A SOIL ANALYSIS SHOULD BE CONDUCTED WITHIN THE STORMWATER WETLAND TO DETERMINE THE VIABILITY OF SOILS FOR HEALTHY VEGETATION GROWTH. IMPORTED OR IN-SITU SOILS MAY BE AMENDED WITH ORGANIC MATERIAL, DEPENDING ON SOIL ANALYSIS RESULTS, TO ENHANCE SUITABILITY AS A PLANTING MEDIA.
2. CONFIRM ELEVATIONS FOR SHALLOW WATER AND TEMPORARY INUNDATION ZONES PRIOR TO PLANTING. ADJUSTMENTS TO PLANT LOCATIONS MAY BE REQUIRED BASED ON BUILT CONDITIONS. SURVEYED PLANTING ZONES SHOULD BE MARKED ON AN "AS-BUILT" OR RECORD DESIGN PLAN AND LOCATED IN THE FIELD USING STAKES OR FLAGS.
3. INSTALL PLANTS IN GROUPS OF 50 TO 60. DISTRIBUTE GROUPINGS EVENLY WITHIN SPECIFIED PLANTING ZONES.
4. PLANT AT 2" ON CENTER MAXIMUM.
5. PERIODIC WATERING MAY BE REQUIRED UNTIL PLANTS ARE ESTABLISHED.

QTY / 200'	BOTANICAL NAME	COMMON NAME	SIZE	PLANTING ZONE
TEMPORARY INUNDATION ZONE				
150	ASCLEPIAS INCARNATA	SWAMP MILKWEED	LARGE PLUG	TEMPORARY INUNDATION ZONE
150	CAREX LURIDA	SHALLOW SEDGE	LARGE PLUG	TEMPORARY INUNDATION ZONE
150	EUTROCHIIUM FISTULOSUS	JOE PYE WEED	LARGE PLUG	TEMPORARY INUNDATION ZONE
150	LOBELIA ELONGATA	LONGLEAF LOBELIA	LARGE PLUG	TEMPORARY INUNDATION ZONE
150	SCIRPUS CYPERINUS	WOOLGRASS	LARGE PLUG	TEMPORARY INUNDATION ZONE
SHALLOW WATER				
100	IRIS VIRGINICA	BLUE FLAG IRIS	9" HEIGHT (SEE NOTE 1 BELOW)	SHALLOW WATER
150	PELTANDRA VIRGINICA	ARROW ARUM	9" HEIGHT (SEE NOTE 1 BELOW)	SHALLOW WATER
150	PONTERDIA CORDATA	PICKERELWEED	9" HEIGHT (SEE NOTE 1 BELOW)	SHALLOW WATER
100	SAGITTARIA LANCIIFOLIA	BULLTONGUE	9" HEIGHT (SEE NOTE 1 BELOW)	SHALLOW WATER
150	SAURURUS CERNUUS	LIZARD'S TAIL	9" HEIGHT (SEE NOTE 1 BELOW)	SHALLOW WATER

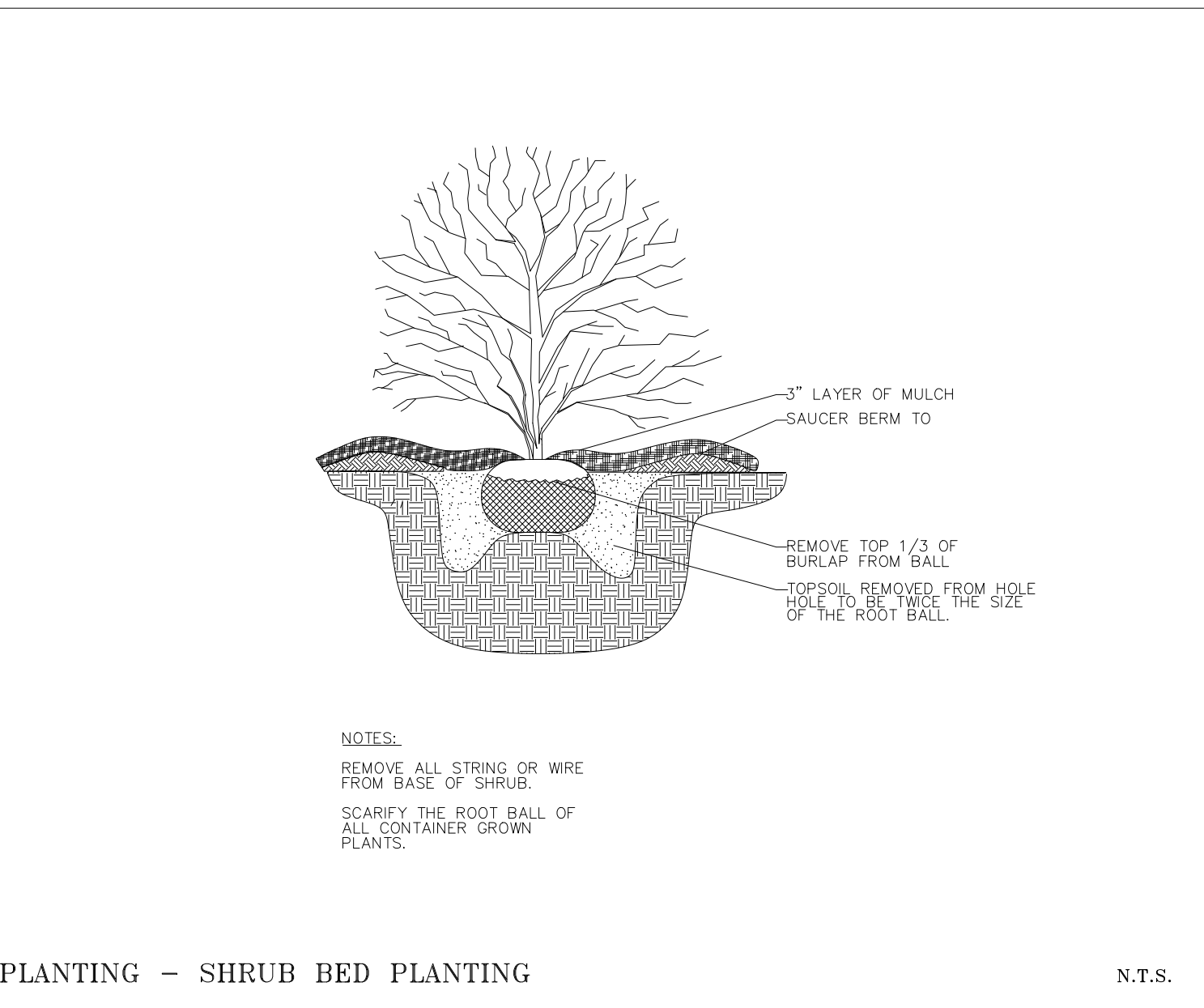
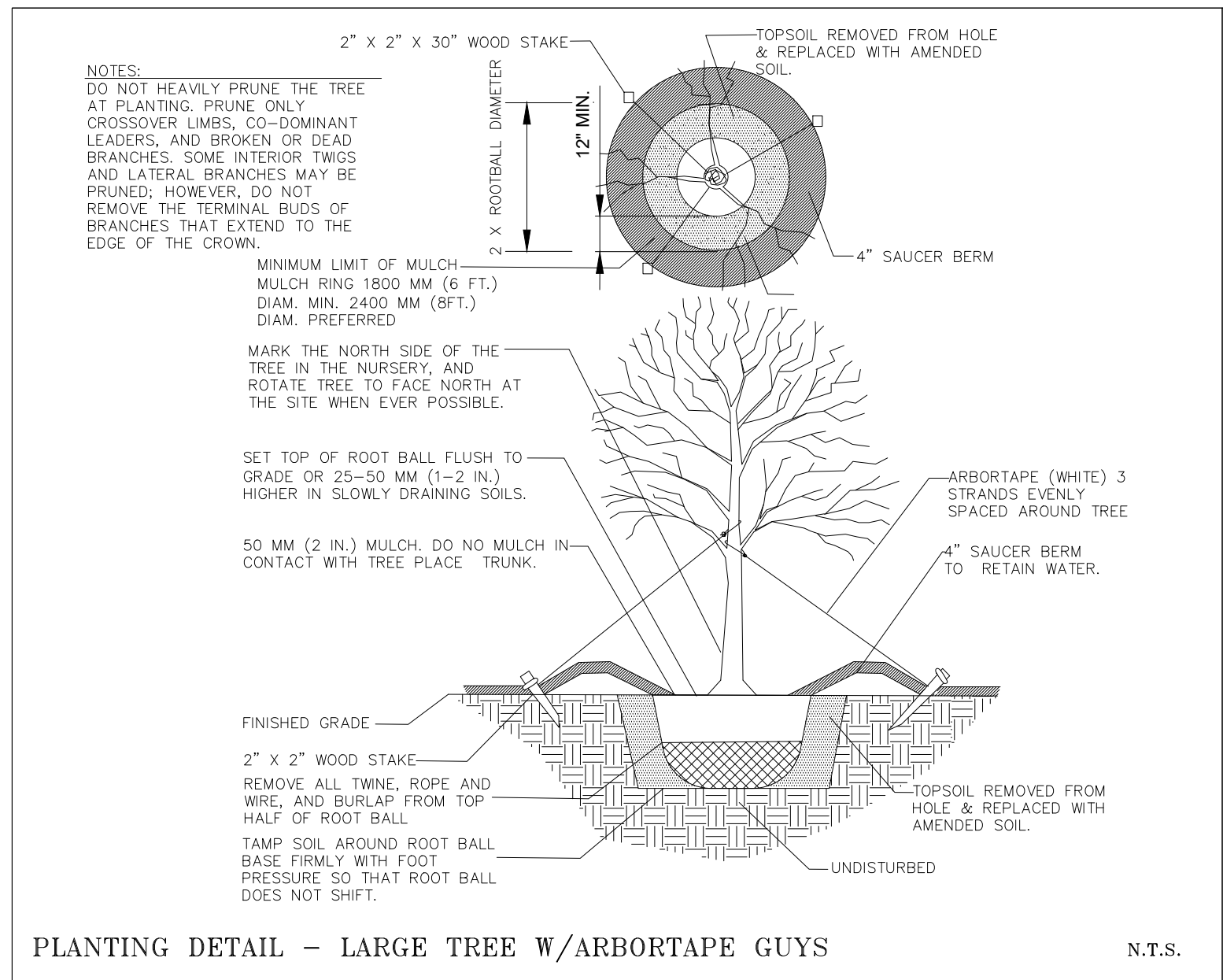
PLANT NOTES:

1. PLANTS THAT GROW IN SHALLOW WATER (WATER'S EDGE TO 6" BELOW NORMAL WATER LEVEL) MUST HAVE AT LEAST 3" OF ABOVE-WATER FOLIAGE WHEN INSTALLED. THIS CAN BE ACHIEVED BY ADJUSTING THE WATER LEVEL OF THE WETLAND TO ACCOMMODATE PLANTS WITH SHORTER FOLIAGE OR BY SPECIFYING THAT PLANTS MUST HAVE AT LEAST A 9" FOLIAGE HEIGHT WHEN INSTALLED IN THIS ZONE. SMALLER SHALLOW WATER PLANTS MAY BE USED IF NORMAL WATER LEVEL IS TEMPORARILY ADJUSTED UNTIL PLANTS ARE ESTABLISHED, THEN WATER LEVEL MUST BE RETURNED TO DESIGN ELEVATION. TEMPORARY ADJUSTMENT TO WATER LEVEL MUST BE APPROVED BY THE ENGINEER AND LANDSCAPE ARCHITECT.
2. SUBSTITUTIONS TO THE PLANT LIST MAY BE MADE FOR AVAILABILITY PURPOSES. SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT AND BE ON THE APPROVED PLANT LIST FOR THE CORRESPONDING PLANTING ZONE FOUND IN THE NCDCE STORMWATER DESIGN MANUAL FOR CONSTRUCTED WETLAND (C-4).
3. THE MOST COMMON AND RELIABLE TECHNIQUE FOR ESTABLISHING AN EMERGENT WETLAND COMMUNITY IN A STORMWATER WETLAND IS TO TRANSPLANT NURSERY STOCK OBTAINED FROM LOCAL AQUATIC PLANT NURSERIES. THE OPTIMAL PERIOD FOR TRANSPLANTING EXTENDS FROM EARLY APRIL TO MID-JUNE SO THAT THE WETLAND PLANTS WILL HAVE A FULL GROWING SEASON TO BUILD THE ROOT RESERVES NEEDED TO SURVIVE THE WINTER. HOWEVER, SOME SPECIES MAY BE PLANTED SUCCESSFULLY IN EARLY FALL. CONTACT YOUR NURSERY WELL IN ADVANCE OF CONSTRUCTION TO ENSURE THAT THEY WILL HAVE THE DESIRED SPECIES AVAILABLE.



STORMWATER WETLAND CALCULATIONS

TEMPORARY INUNDATION ZONE
50 HERBACEOUS PLANTS PER 200 SF
2,910 SF / 200 = 14.55
14.55 X 50 = 728 REQ'D (750 PROVIDED)
SHALLOW WATER
50 HERBACEOUS PLANTS PER 200 SF
2,530 SF / 200 = 12.65
12.65 X 50 = 633 REQ'D (650 PROVIDED)



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APPROVAL:
DATE:

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Raleigh, North Carolina 27607

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COORDINATOR:

DRAWN BY:
JGF

CHK BY:

CHATHAM COMMUNITY CHURCH
ANDREWS STORE ROAD
PITTSBORO, NC

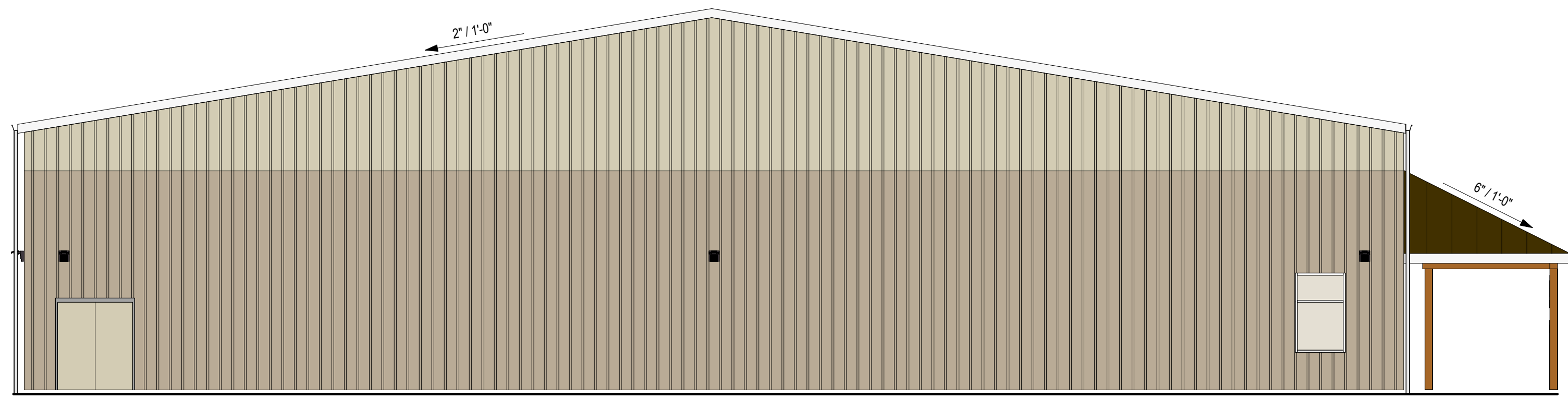
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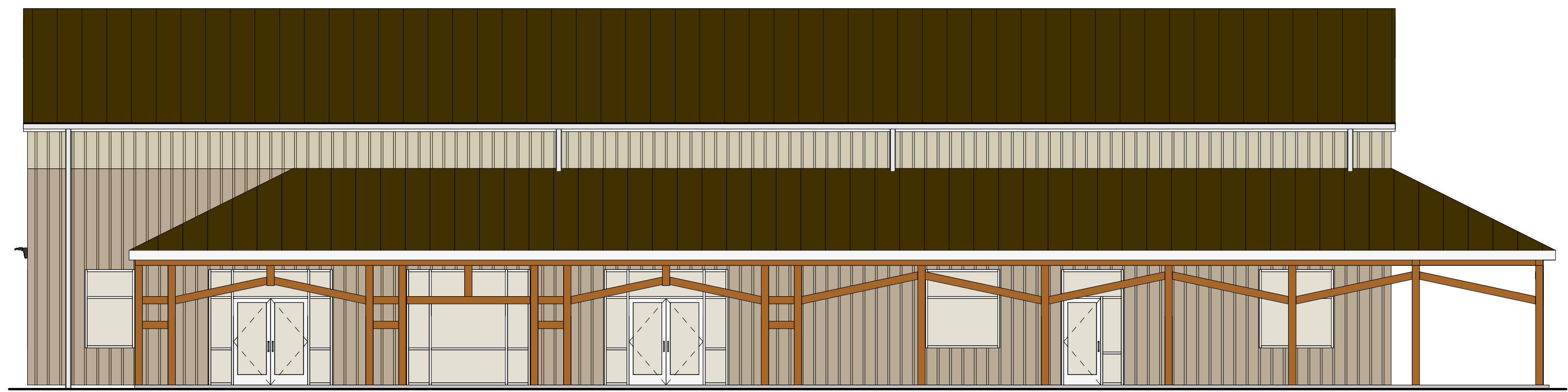
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ELEVATIONS

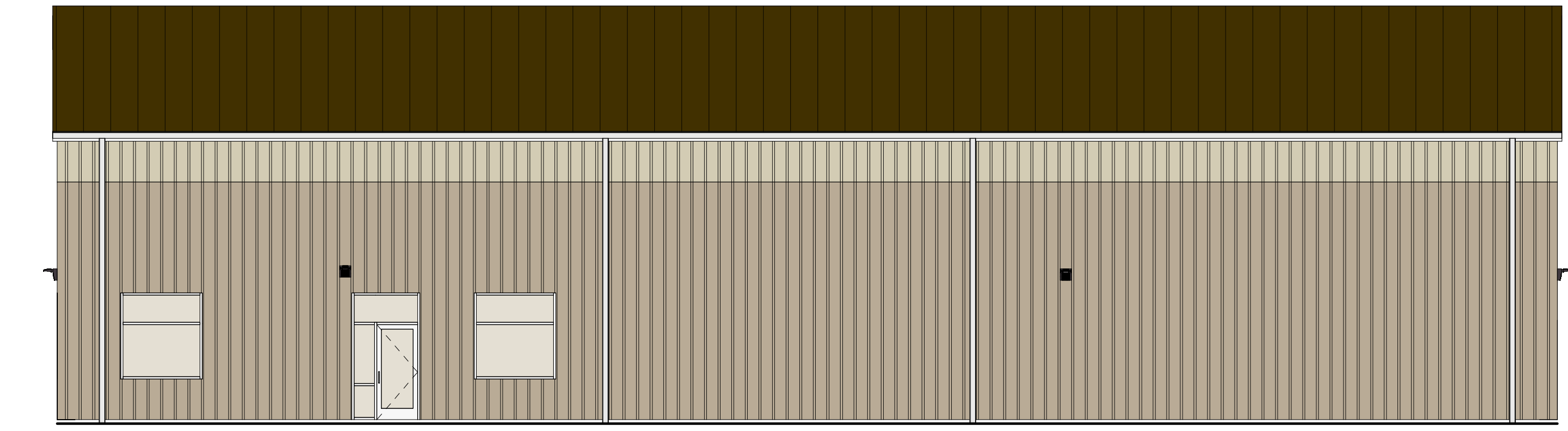
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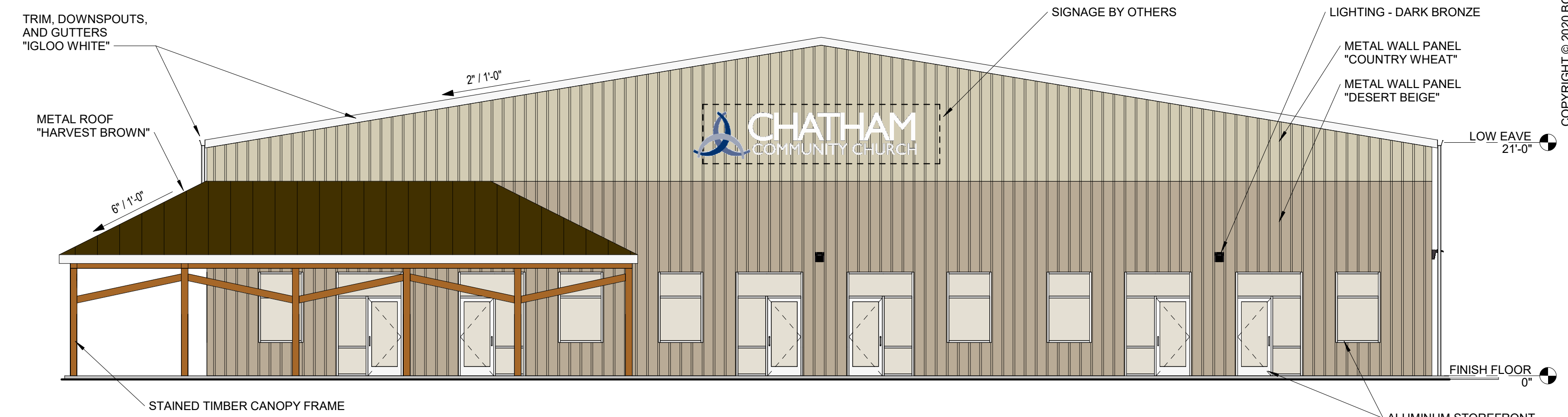
3 SOUTH ELEVATION
1/8" = 1'-0"



1 EAST ELEVATION
1/8" = 1'-0"



4 WEST ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"



WALL PACK LIGHTING FIXTURE - 26 WATT LED



5 PERSPECTIVE

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VICINITY MAP

NTS

SITE DATA

PROPERTY ADDRESS	ANDREWS STORE RD PITTSBORO, NC 27312
PROPERTY OWNER	CHATHAM COMMUNITY CHURCH INC 480 HILLSBORO STREET SUITE 800 PITTSBORO, NC 27312
DESIGNER:	BOBBITT DESIGN BUILD ATTN: BLAIR PITTMAN bpittman@bobbitt.com (919) 851-1980
EMAIL ADDRESS:	
PHONE NUMBER:	
TAX MAP OR PIN NUMBER:	9765 03 41 1385
PARCEL ID NUMBER:	0084062
DEED	BOOK 1908 PG 0994
LATITUDE LONGITUDE	35.82, -79.12
TOTAL SITE ACREAGE:	10.50 AC
ACREAGE TO BE DISTURBED:	4.85 AC
ZONING:	R-1
WATERSHED:	POKEBERRY CREEK/HAW RIVER
RIVER BASIN:	CAPE FEAR RIVER
EXISTING USE:	VACANT
GENERAL BUILDING USE:	PLACE OF WORSHIP
BUILDING AREA:	±12,000 SF
MAXIMUM BUILDING HEIGHT ALLOWED:	60 FEET
MAXIMUM BUILDING HEIGHT PROPOSED:	22 FEET
SETBACKS:	
FRONT:	65'
SIDE:	50'
REAR:	50'
BUFFERS:	
ADJACENT USE/ZONING	OPACITY & WIDTH
STREET	20' TYPE B
SIDE	30' TYPE A
USE AREAS:	
VEHICLE PVMT. AREA:	32,650 SF
NON-VEHICLE PVMT. AREA:	4,430 SF
BUILDING AREA	12,000 SF
TOTAL IMPERVIOUS:	49,080 SF
% IMPERVIOUS :	10.7%
PARKING:	
REQUIRED	
350 SEAT SANCTUARY (1 SPACE PER 4 SEATS)	88 SPACES
TOTAL PROPOSED - (INCLUDES HANDICAP)	91 SPACES
HANDICAP SPACES REQUIRED/PROPOSED	4/4
BOUNDARY AND TOPOGRAPHIC SURVEY BY MAERSTAN PLLC. 1101 PASSPORT WAY, CARY, NORTH CAROLINA 27513. 910.678.5111. DATED: 27 JUNE 2018.	

FLOODPLAIN INFORMATION
 THIS SITE DOES NOT CONTAIN A 100-YR FLOOD PLAIN
 AREA AS SHOWN ON FIRM PANEL 3710976500K DATED 17 NOV. 2017

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
C0.0	COVER SHEET
C0.1	EXISTING CONDITIONS
C1.0	STAKING PLAN
C2.0	PHASE 1 EROSION CONTROL PLAN
C2.1	PHASE 2 EROSION CONTROL PLAN
C2.2	NPDES PLAN
C2.3	NPDES PLAN
C3.0	GRADING PLAN
C4.0	UTILITY PLAN
C5.0	LANDSCAPE PLAN
C5.1	LANDSCAPE PLAN - WETLAND
C6.0	LIGHTING PLAN
C7.0	DETAILS
C7.1	DETAILS
C7.2	DETAILS
C7.3	DETAILS
SD1	ARCHITECTURAL FOOTPRINT
SD2	ARCHITECTURAL ELEVATIONS

CHATHAM COMMUNITY CHURCH
SITE PLAN

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think, design, build



COORDINATOR:
Blair Pittman

DRAWN BY:
Jason Galloway

CHK BY: BPP

CHATHAM COMMUNITY CHURCH
 ANDREWS STORE RD
 CHATHAM COUNTY, NORTH CAROLINA

24 X 36

PROGRESS

18-0347

COVER

C0.0

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LANDSCAPE NOTES

- BOUNDARY AND TOPOGRAPHIC SURVEY BY MAERSTAN PLLC, 1101 PASSPORT WAY, CARY, NORTH CAROLINA 27513. 910.678.5111. DATED: 27 JUNE 2018.
- THIS PLAN IS FOR PLANTING PURPOSES ONLY. FOR INFORMATION RELATING TO GRADING, REFER TO GRADING PLAN.
- VERIFICATION OF TOTAL QUANTITIES AS SHOWN IN THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- ALL PLANTS AND PLANTING PROCEDURES SHALL CONFORM TO ACCEPTED STANDARDS ESTABLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN LATEST EDITION.
- ALL SAUCERS SHALL BE SOAKED WITH WATER AND MULCHED IMMEDIATELY FOLLOWING PLANTING.
- ALL TREES AND SHRUBS SHALL BE FULL-WELL BRANCHED PLANTS WHICH ARE CHARACTERISTIC OF THE SPECIES.
- ALL GRASS IS TO BE TALL FESCUE, OR BETTER QUALITY.
- ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
- REMOVE ALL STRING AND WIRE FROM BASE OF ALL PLANT MATERIAL.
- MULCH ALL BEDS WITH 3" OF CLEAN PINE NEEDLES, UNLESS OTHERWISE NOTED.
- ALL PLANT BED AREAS ARE TO RECEIVE A MINIMUM OF 6" OF APPROVED TOPSOIL.
- ALL AREAS NOT COVERED WITH PAVING, GRAVEL, BUILDINGS OR PLANTING BEDS SHALL BE SEED AS SHOWN IN THE SEEDBED PREP AND SEEDING SCHEDULE.
- LAWN AREAS SHALL BE RAKED TO REMOVE ROCKS, STICKS, ROOTS AND OTHER TRASH AND DEBRIS AND SHALL BE SMOOTH FOR EASE OF MOWING.
- ALL TREES SHALL BE A MINIMUM OF 5' BEHIND ALL CURBS, WHERE NO CURB AND GUTTER IS PROPOSED BORDERING PARKING SPACES, WHEEL STOPS MUST BE PROVIDED TO PREVENT DAMAGE TO PLANT MATERIAL.
- TREE PROTECTION NOTE: TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION, LAND DISTURBANCE OR ISSUANCE OF A GRADING PERMIT AND SHALL INCLUDE WARNING SIGNS POSTED IN BOTH ENGLISH AND SPANISH, AS FOLLOWS: "NO TRESPASSING/TREE PROTECTION AREA/PROHIBIDO ENTRAR / ZONA PROTECTORA PARA LOS ARBOLES"
- ALL TREE PROTECTION FENCING SHALL BE MAINTAINED UNTIL ALL SITE WORK IS COMPLETED. THE FENCING SHALL BE REMOVED PRIOR TO THE FINAL SITE INSPECTION FOR THE CERTIFICATE OF OCCUPANCY (CO).
- UTILITY EQUIPMENT AND FACILITIES ASSOCIATED WITH ON-SITE ELECTRIC, CABLE, TELEPHONE, GAS OR OTHER SIMILAR UTILITY SHALL BE SCREENED TO THE EXTENT POSSIBLE, WITH EVERGREEN PLANTINGS. PLANTINGS SHALL ALLOW FOR A MINIMUM OF A 5' CLEARANCE AROUND THE STRUCTURE TO ALLOW FOR ACCESS. ADDITIONALLY, ANY SIDE OF THE STRUCTURE HAVING A DOOR OR LOCK, THE PLANTINGS SHALL ALLOW FOR A 10' CLEARANCE. THE AMOUNT OF CLEARANCE SHALL ACCOUNT FOR THE PLANT MATERIAL AT MATURITY.
- ALL CONSTRUCTION TO BE PERFORMED TO CHATHAM COUNTY DESIGN AND CONSTRUCTION STANDARDS.

PLANT LEGEND

LARGE TREES

- WILLOW OAK
- SHUMARD OAK
- CHINESE ELM
- ZELKOVA

SHRUBS

- GLOSSY ABELIA
- INKBERRY
- YAUPON HOLLY
- CHINESE FRINGE-FLOWER
- NANDINA

STREET BUFFER

20' TYPE B
TREE SPACING 30' BETWEEN TRUNKS
EVERGREEN SHRUBS 5'-8' ON CENTER

407 LF - 36 LF (DRIVEWAY) - 142 LF (EXISTING VEGETATION) = 229 LF

REQUIRED TREES	REQUIRED SHRUBS
8	29

WEST BUFFER - SIDE

30' TYPE A
TREE SPACING 20' BETWEEN TRUNKS
EVERGREEN SHRUBS 5' ON CENTER

827 LF - 563 LF (EXISTING VEGETATION) = 347 LF
EXISTING VEGETATION TO BE CONFIRMED BY FIELD INSPECTOR.
ADDITIONAL PLANTS MAY BE REQUIRED BASED ON INSPECTION.

REQUIRED TREES	REQUIRED SHRUBS
17 (EXISTING)	69

EAST BUFFER - SIDE

30' TYPE A
TREE SPACING 20' BETWEEN TRUNKS
EVERGREEN SHRUBS 5' ON CENTER

EXISTING VEGETATION IN BUFFER MEETS TYPE A OPACITY STANDARDS.
EXISTING VEGETATION TO BE CONFIRMED BY FIELD INSPECTOR.
ADDITIONAL PLANTS MAY BE REQUIRED BASED ON INSPECTION.

SOUTH BUFFER - REAR

30' TYPE A
TREE SPACING 20' BETWEEN TRUNKS
EVERGREEN SHRUBS 5' ON CENTER

EXISTING VEGETATION IN BUFFER MEETS TYPE A OPACITY STANDARDS.
EXISTING VEGETATION TO BE CONFIRMED BY FIELD INSPECTOR.
ADDITIONAL PLANTS MAY BE REQUIRED BASED ON INSPECTION.

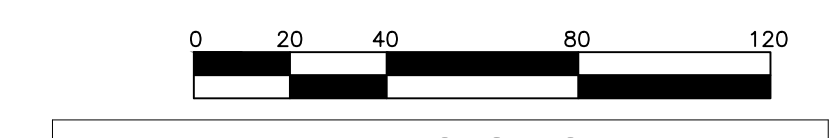
PLANT LIST

QTY	BOTANICAL NAME	COMMON NAME	ROOT	CAL./HT.	COMMENTS
LARGE TREES					
5	QUERCUS PHELLOS	WILLOW OAK	B&B	2.5" MIN	STREET TREE
3	QUERCUS SHUMARDII	SHUMARD OAK	B&B	2.5" MIN	STREET TREE
8	ULMUS PARVIFOLIA	CHINESE ELM	B&B	2" MIN	PARKING LOT LANDSCAPING
4	ZELKOVA SERRATA 'VILLAGE GREEN'	ZELKOVA	B&B	2" MIN	PARKING LOT LANDSCAPING
SHRUBS					
19	ABELIA X GRANDIFLORA 'SHERWOOD'	GLOSSY ABELIA	CONT	18" MIN	SCREENING
35	ILEX GLABRA 'SHAMROCK'	INKBERRY	CONT	18" MIN	SCREENING AND BUFFER
15	ILEX VOMITORIA 'NANA'	YAUPON HOLLY	CONT	18" MIN	BUFFER
14	LOROPETALUM CHINENSIS V.R. 'RUBY'	CHINESE FRINGE-FLOWER	CONT	18" MIN	BUFFER
30	NANDINA DOMESTICA	NANDINA	CONT	18" MIN	BUFFER

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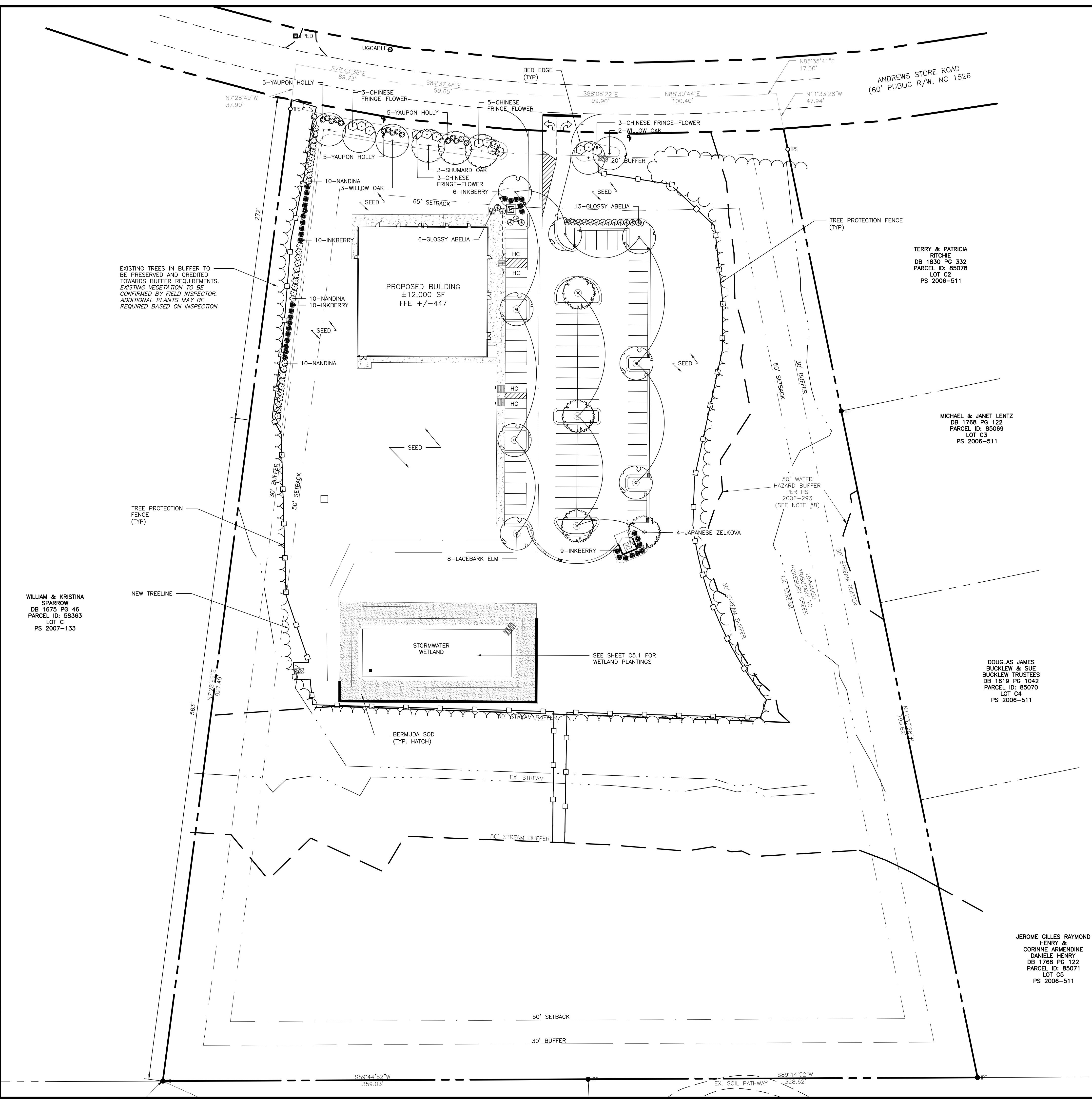
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