

THE BARN OF CHAPEL HILL - EVENT CENTER

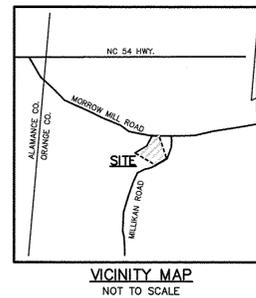
MORROW MILL ROAD

ORANGE COUNTY, NC

CLASS "B" - SPECIAL USE PERMIT

DRAWING INDEX

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A302	BUILDING ELEVATIONS



DEVELOPMENT INFORMATION

- PROJECT ZONING: AR
- PARCEL PIN NO. 9729507168
- NET LAND AREA: 21.987 ACRES (957,754 SF)
- PROPOSED OCCUPANCY CAPACITY: 250 PEOPLE
- MAXIMUM ALLOWABLE FLOOR AREA: 84,282 SF
- PROPOSED FLOOR AREA: 4,200 SF
- REQUIRED SETBACKS: STREET = 40'; SIDE & REAR = 20'
- SOLID WASTE DISPOSAL IS HANDLED BY PRIVATE COLLECTION
- THERE ARE NO STREAM BUFFERS LOCATED ON THIS PROPERTY.
- THIS PROPERTY IS LOCATED WITHIN THE HAW RIVER UNPROTECTED WATERSHED DISTRICT
- EXISTING IMPERVIOUS SURFACE: 0 SF (0%)
- PROPOSED IMPERVIOUS SURFACE: 1.738 ACRES (75,717 SF) (7.9%)
- THIS PROPERTY IS NOT LOCATED WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA AS NOTED ON F.I.R.M. #3710972900K, DATED 2/2/2007
- PARKING: REQUIRED = 125 SPACES (1 SPACE PER 2 SEATS)
PROPOSED = 125 SPACES; (122 REGULAR; 3 HANDICAP)

CIVIL ENGINEER

PHILIP POST & ASSOCIATES
 401 PROVIDENCE ROAD SUITE 200
 CHAPEL HILL, NC 27514
 TEL. (919) 929-1173
 EMAIL: TSMITH@PPAENGINEERING.COM

OWNER

KARA & CHRIS BREWER
 82 JORDAN HILLS DRIVE
 CHAPEL HILL, NC 27517

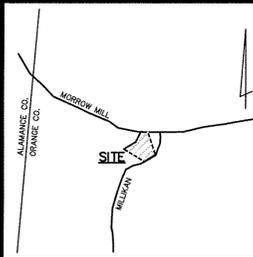
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 401 Providence Rd. #200
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 Firm License C-0347



COVER SHEET
 THE BARN OF CHAPEL HILL
 CLASS "B" - SUP
 BINGHAM TOWNSHIP
 ORANGE COUNTY, N.C.

SCALE: 1" = 100'
 DRAWN BY: MKM
 CHECKED BY: TAS
 DATE: 4-2-15
 PROJECT NO.: 501302.02
 DRAWING NO.: C850SP01
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REVISIONS



VICINITY MAP
NOT TO SCALE



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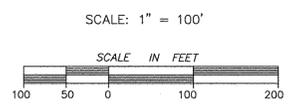
EXISTING CONDITIONS
THE BARN OF CHAPEL HILL
CLASS "B" - SUP
ORANGE COUNTY, N.C.
BINGHAM TOWNSHIP

SCALE: 1" = 100'
DRAWN BY: MKM
CHECKED BY: TJS
DATE: 4-2-15
PROJECT NO.: 501302.02
DRAWING NO.: C850SP01
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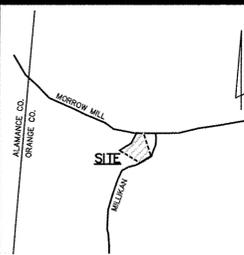
REVISIONS	
SHEET	S-2
OF	10

- LEGEND
- 15" OAK EXISTING TREE (TO BE REMOVED)
 - 15" OAK EXISTING TREE (TO REMAIN)
 - EXISTING TREELINE
 - PROPERTY BOUNDARY LINE
 - EXISTING TOPOGRAPHY
 - AREA OF SUITABLE SOILS FOR CONVENTIONAL SEPTIC SYSTEM

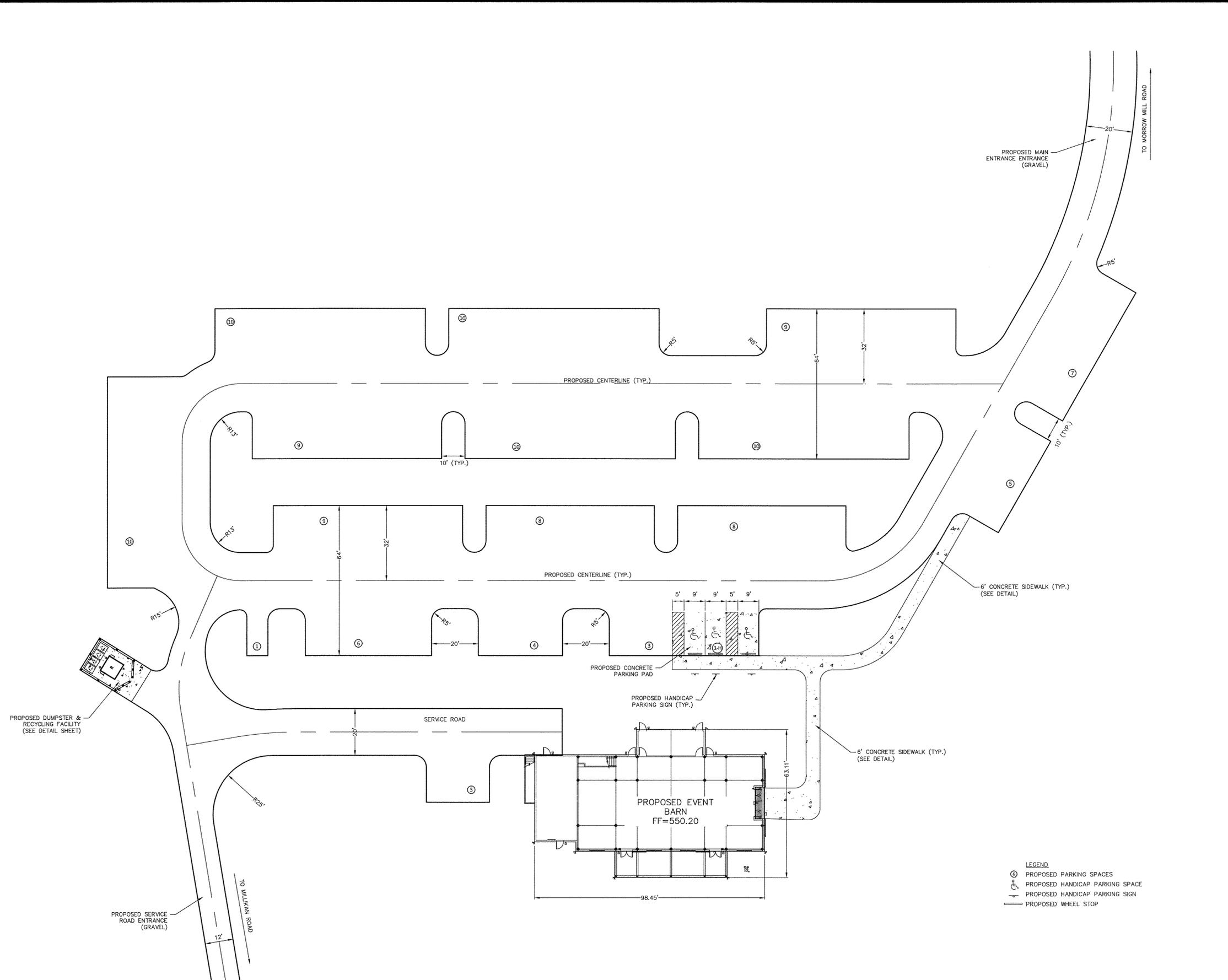
Curve #	Length	Radius	Delta	Chord	Chord Bearing
C1	125.54'	398.88'	18°02'00"	125.03'	S68° 19' 47" W



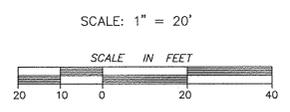
BOUNDARY LINE LEGEND:
EIP = EXISTING IRON PIPE
EIR = EXISTING IRON ROD
NAIL = EXISTING NAIL
IRS = IRON ROD SET
CP = COMPUTED PT. (NOTHING SET)



VICINITY MAP
NOT TO SCALE



- LEGEND
- ⊙ PROPOSED PARKING SPACES
 - ♿ PROPOSED HANDICAP PARKING SPACE
 - ♿ PROPOSED HANDICAP PARKING SIGN
 - PROPOSED WHEEL STOP



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DETAILED SITE PLAN

THE BARN OF CHAPEL HILL
CLASS "B" - SUP

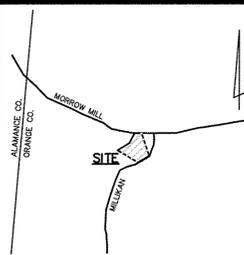
BINGHAM, TOWNSHIP
ORANGE COUNTY, N.C.

SCALE 1" = 20'
DRAWN BY MKM
CHECKED BY JAS
DATE 4-2-15
PROJECT NO. 501302.02
DRAWING NO. CE050501

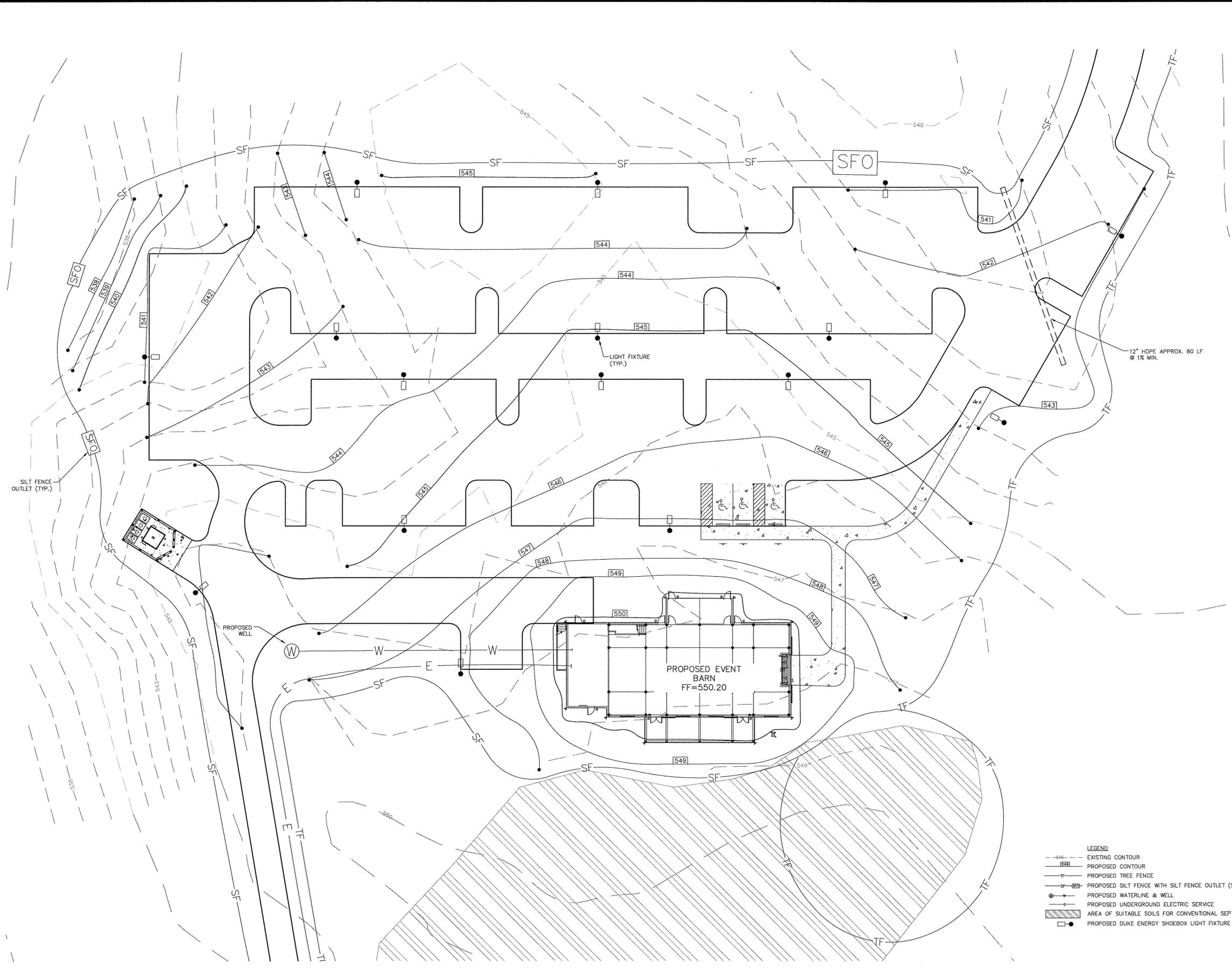
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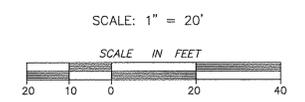
SHEET S-4
OF 10



VICINITY MAP
NOT TO SCALE



- LEGEND**
- - - - - EXISTING CONTOUR
 - [549] PROPOSED CONTOUR
 - - - - - PROPOSED TREE FENCE
 - - - - - PROPOSED SILT FENCE WITH SILT FENCE OUTLET (SFO)
 - W PROPOSED WATERLINE & WELL
 - PROPOSED UNDERGROUND ELECTRIC SERVICE
 - [Hatched Area] AREA OF SUITABLE SOILS FOR CONVENTIONAL SEPTIC SYSTEM
 - PROPOSED DUKE ENERGY SHOEBOX LIGHT FIXTURE (SEE SHEET S-7)



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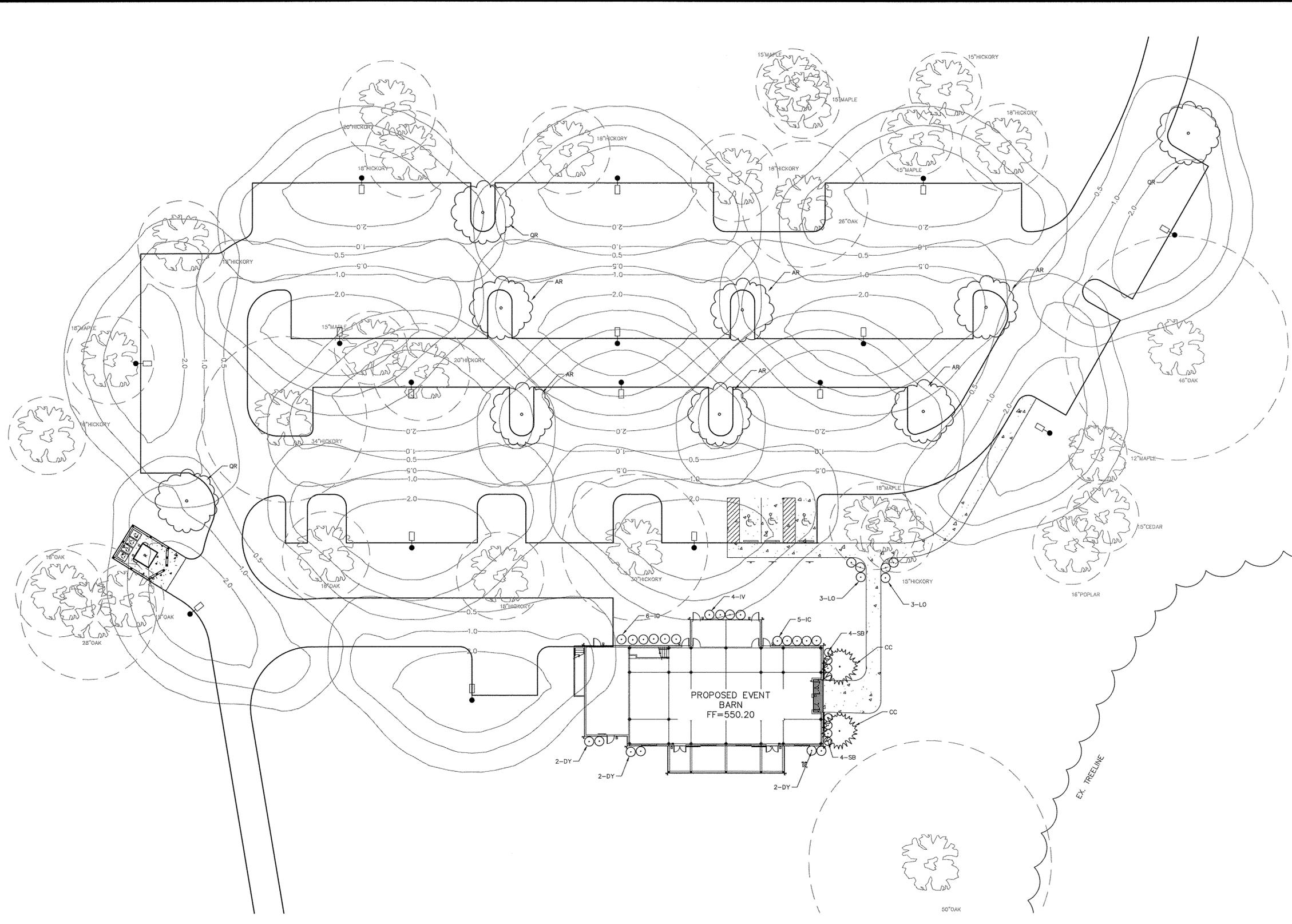
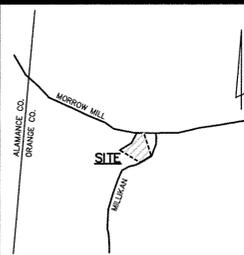


**DETAILED UTILITY, GRADING
& EROSION CONTROL PLAN**
THE BARN OF CHAPEL HILL
CLASS "B" - SUP
ORANGE COUNTY, N.C.
BINGHAM TOWNSHIP

SCALE 1" = 20'
DRAWN BY MKM
CHECKED BY JAS
DATE 4-2-15
PROJECT NO. 501.302.02
DRAWING NO. C850SP01
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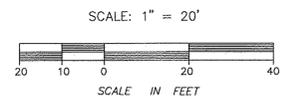
SHEET S-5
OF 10



PLANT SCHEDULE

KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	ROOT	QTY.
QR	QUERCUS RUBRA	RED OAK	2-1/2" CAL.	B & B	3
AR	ACER RUBRUM	RED MAPLE	2-1/2" CAL.	B & B	6
BN	BETULA NIGRA	RIVER BIRCH	2" CAL.	B & B	2
IC	ILEX CORNUTA 'CARISSA'	CARISSA HOLLY	5 GAL.	CONT.	11
IV	ILEX VOMITORIA 'NAMA'	DWARF YOUNG HOLLY	5 GAL.	CONT.	10
LO	LOROPETALUM CHINENSIS	LOROPETALUM	5 GAL.	CONT.	6

- LEGEND**
- PROPOSED DUKE ENERGY SHOEBOX LIGHT FIXTURE (SEE SHEET S-7)
 - PROPOSED PHOTOMETRIC FOOTPRINT
 - EXISTING TREE (TO REMAIN)
 - PROPOSED TREE WITH KEY IDENTIFIER



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**DETAILED LANDSCAPE
& LIGHTING PLAN**

**THE BARN OF CHAPEL HILL
CLASS "B" - SUP**

BINGHAM TOWNSHIP
ORANGE COUNTY, N.C.

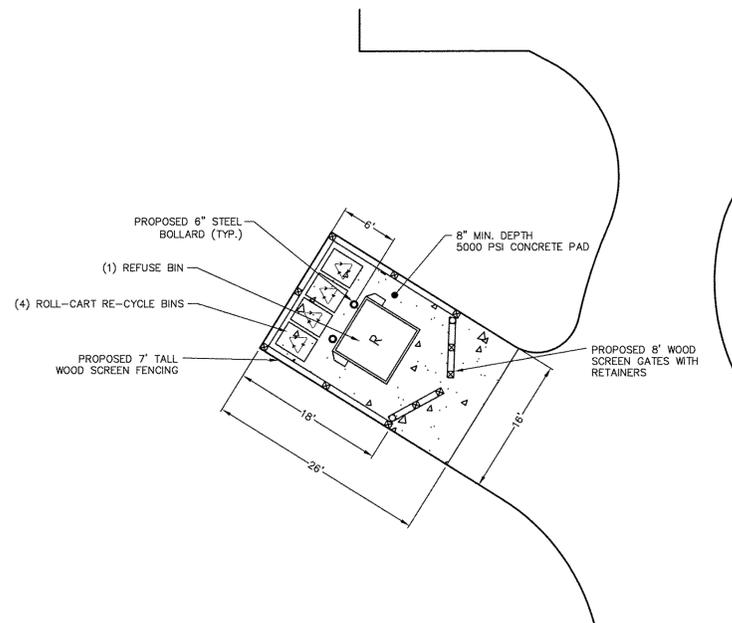
SCALE 1" = 20'
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DRAWING NO.: CBS5P01

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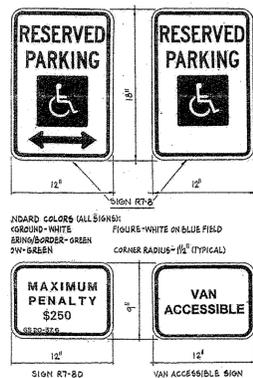
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SHEET S-6

OF 10



DUMPSTER DETAIL
SCALE: 1" = 10'

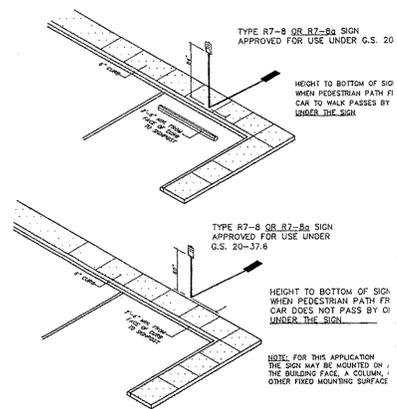
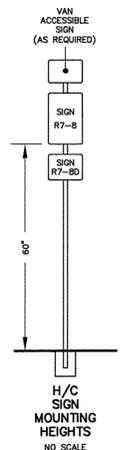


4.1.2- SIGNS AT ACCESSIBLE PARKING SPACES (PART 1)

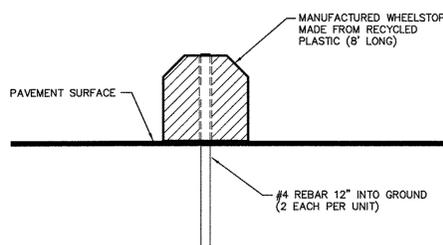


SIGN R7-8E
(COLORS/CORNER RADIUS SAME AS 4.1.2-PART 1)

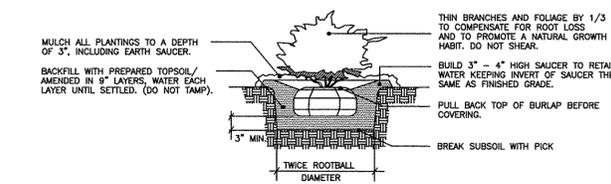
4.1.2- SIGNS AT ACCESSIBLE PARKING SPACES (PART 2)



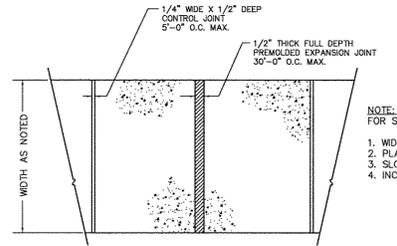
3.4 PARKING LOTS
HEIGHT OF R7-8 OR R7-8a RESERVED PARKING SIGNS AS PRESCRIBED BY N.C. DEPT. OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, SECTION 2A-23, PART II.



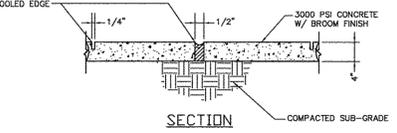
WHEEL STOP DETAIL
NTS



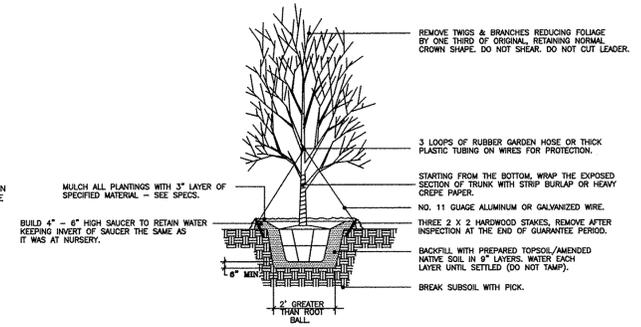
SPECIMEN SHRUB PLANTING DETAIL
NOT TO SCALE



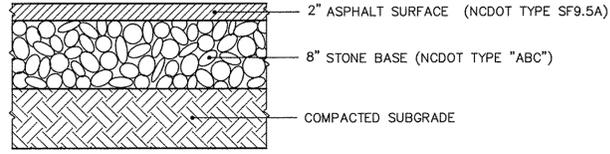
CONCRETE SIDEWALK
NTS



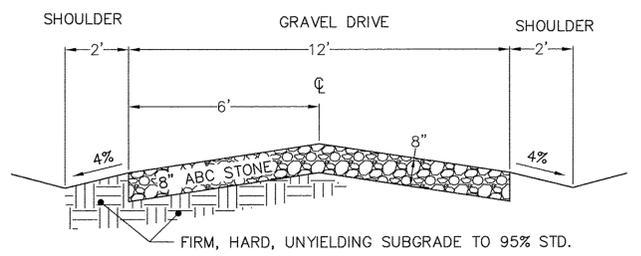
CONCRETE SIDEWALK
NTS



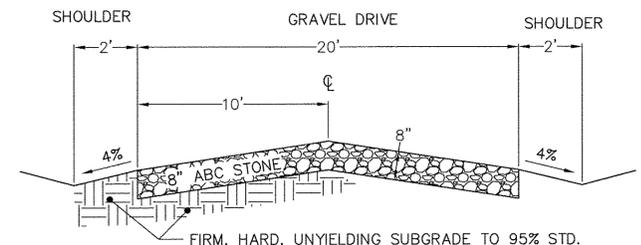
SPECIMEN TREE PLANTING & STAKING DETAIL
NOT TO SCALE



PAVED APRON DESIGN
NTS



12' GRAVEL DRIVE (ENTRANCE)
TYPICAL SECTION
NTS



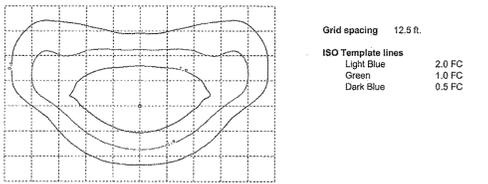
20' GRAVEL DRIVE (ENTRANCE)
TYPICAL SECTION
NTS

Fixture Specifications



SHOEBOX

IES Photometric file	DE25-40sbx ies
Initial Lamp lumens	27500
Light Loss Factor	0.86
Lamp Wattage	250
Lamp Source	HPS
Mtg Height	25ft
Colors	Bronze, Black, Gray, Green



The values shown for the ISO template lines are maintained values, based on applicable Light Loss Factor (LLF). Values are representative of manufacturer specific photometric testing, which is subject to change without notification due to availability and product offering modifications. When evaluating photometric data used for this project, values are representative of the LED and other factors, i.e. voltage variations, atmospheric conditions, etc. Electronic IES photometric file available upon request. Note: Design Programs required for use of a photometric file. Photos are representative of fixture style. Actual products may vary slightly, fixture and photometric data subject to change due to product offering modifications.

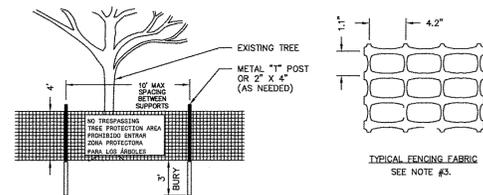
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SITE DETAILS
THE BARN OF CHAPEL HILL
CLASS "B" - SUP
ORANGE COUNTY, N.C.
BINGHAM TOWNSHIP

SCALE: 1" = 100'
DRAWN BY: MKM
CHECKED BY: TAS
DATE: 4-2-15
PROJECT NO.: 501.302.02
DRAWING NO.: C8505P.01
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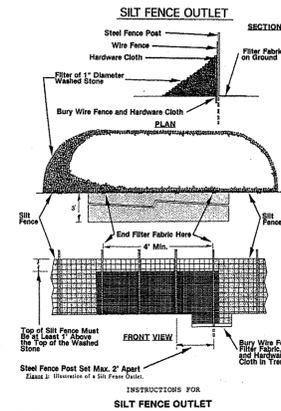
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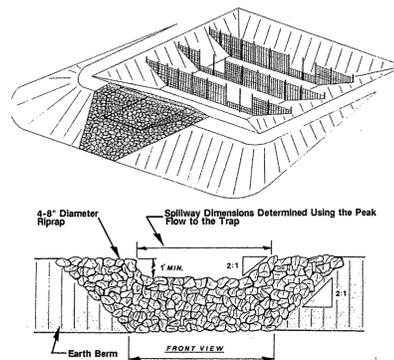
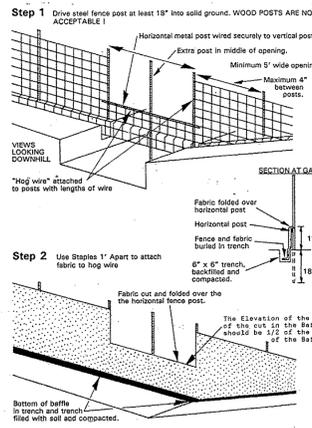
NOTES:

1. PLACE CONTINUOUS RUN OF FENCE MATERIAL AS SHOWN ON PLANS.
2. ATTACH AT 10' MAXIMUM INTERVALS TO 2x4 POSTS. DO NOT STAPLE TO TRUCK.
3. FENCE MATERIAL SHALL BE "TENSAR" HIGH STRENGTH POLYMER GEOTEXTILE FABRIC BY TENSAR CORPORATION, MORONG, GEORGIA, OR EQUAL, BRIGHT ORANGE COLOR.
4. AT 100' O.C., PLACE SIGNS IN ENGLISH AND SPANISH: "NO TRAMPASSING - TREE PROTECTION AREA" and "PROHIBIDO ENTRAR - ZONA PROTECTORA PARA LOS ARBOLES".
5. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE PROJECT MANAGER AND THE TOWN'S LANDSCAPE ARCHITECT BEFORE ANY SITE WORK BEGINS.
6. ANY TREE ROOTS EXPOSED BY CONSTRUCTION SHALL BE SEVERED CLEANLY WITH A PRUNING TOOL.
7. THE SOIL WITHIN THE PROTECTED AREA AROUND EXISTING TREES SHALL NOT BE GRADED UPON AFTER FENCE REMOVAL FOR THE PURPOSE OF INSTALLING LANDSCAPING.

TREE PROTECTION FENCE
NOT TO SCALE



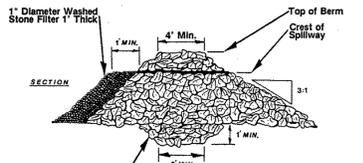
Baffles for Sediment Traps and Ponds



The Downstream Top of the Stone Filter Must Be Wider Than the Top Width of the Spillway to Prevent Clogging

Design Procedure for Spillway:

$$Q = 2.8WH^{1.5} + SH2.5$$



Cut-off Trench Backfilled with Stone to Tie Filter into Existing Ground and Prevent Failure Between the Soil and Stone

INSTRUCTIONS FOR TYPE-B SEDIMENT TRAP

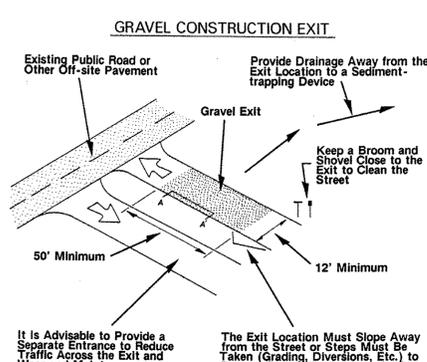
- INSTALLATION**
1. REFER TO PLANS FOR LOCATION, DIMENSIONS, AND SPECIFICATIONS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, OR METHODS OF INSTALLATION, CONTACT THE ENGINEER, ARCHITECT, OR RESPONSIBLE PERSONNEL ON THE SITE FOR ASSISTANCE. EROSION CONTROL PERSONNEL SHALL HAVE COPIES OF INSTRUCTIONS AND PHOTOGRAPHS OF PROPERLY INSTALLED SEDIMENT TRAPS AS AN AID TO INSTALLATION.
 - IF THE SEDIMENT TRAP IS NOT INSTALLED CORRECTLY THE FIRST TIME, IT WILL HAVE TO BE REBUILT.
 2. DETERMINE THE LOCATION ON THE GROUND, TAKING INTO CONSIDERATION:
 - ALLOW SUFFICIENT SPACE FOR THE PIT AND BERM TO BE BUILT TO THE SPECIFIED DIMENSIONS.
 - ALLOW ACCESS TO THE TRAP WHEN IT IS FINISHED TO MAINTAIN AND REMOVE IT, TAKING INTO ACCOUNT FINISHED GRADES, FILL SLOPES, BUILDINGS, UTILITIES, ETC.
 - ALLOW AT LEAST:
 - 15 FEET FOR THE SEDIMENT TRAP AND SINGLE-STORY BUILDINGS.
 - 25 FEET FOR FORK LIFTS BETWEEN THE SEDIMENT TRAP AND MULTIPLE-STORY BUILDINGS.
 - 15 FEET BETWEEN THE SEDIMENT TRAP AND THE TOP OF FILL SLOPES.
 - MAKE SURE RUNOFF FROM THE DISTURBED AREAS ABOVE THE TRAP WILL FLOW INTO AND THROUGH THE SEDIMENT TRAP AND NOT BY-PASS IT. PLACE THE TRAP WHERE IT RECEIVES RUNOFF FROM THE TRAP LOCATION.
 3. CLEAR THE LOCATION OF THE TRAP, REMOVING TOP SOIL, STUMPS, ROOTS, LARGE ROCKS, AND OTHER OBSTRUCTIONABLE MATERIAL.
 4. EXCAVATE THE PIT AS NECESSARY TO CREATE THE REQUIRED VOLUME. KEEP IN MIND:
 - POSITIVE DRAINAGE OUT OF THE PIT MUST BE MAINTAINED TO KEEP STANDING WATER TO A MINIMUM AND ALLOW ACCUMULATED SEDIMENT TO DRY OUT.
 - MAINTAIN 1:1 SLOPES ON CUT AND FILL SLOPES, EXCEPT THE OUTLET SIDE, WHICH MUST BE 3:1 OR FLATTER.
 5. WHERE THE TRAP IS BEING BUILT ON A SLOPE, FILL AND CONTACT THE EXISTING BERM USING GOOD SOIL THAT IS FREE OF VEGETATION AND ROOTS.
 - DO NOT USE TOPSOIL, MUD, STUMPS, ETC. FROM THE EXCAVATION IN THE BERM.
 6. WHERE THE TRAP IS BEING BUILT ACROSS A SLOPE, CUT OUT A NOTCH IN THE EXISTING BERM LARGE ENOUGH TO ACCOMMODATE THE REQUIRED LENGTH OF THE STONE FILTER COVERLET.
 7. EXCAVATE A CUTOFF TRENCH IN THE BOTTOM AND SIDES OF THE BERM OR STREAM CHANNEL TO HOLD THE FILTER IN PLACE. REFER TO THE ILLUSTRATION.
 8. PLACE RIPRAP IN THE NOTCH OF THE EARTH BERM OR ACROSS THE CHANNEL, SLAPING THE STONE INTO THE CUTTER AS SHOWN IN THE ILLUSTRATION AND TO THE REQUIRED WIDTH. PLACE STONE SO THAT SOIL IN THE BERM BEHIND AND BELOW THE OUTLET IS PROTECTED FROM EROSION BY OUTFLOW.
 9. PLACE A 1-FOOT LAYER OF 1-INCH DIAMETER WASHED STONE ON THE UPSTREAM FACE OF THE RIPRAP TO CREATE THE FILTER.
 10. INSTALL THE BAFFLES AS SPECIFIED IN THE PLAN. REFER TO THE ILLUSTRATIONS AND INSTRUCTIONS FOR BAFFLES. INSTALL THE 4-INCH STAKE IN THE CENTER OF THE PIT SHOWING THE TOP OF THE SEDIMENT STORAGE VOLUME.
 11. SEED AND MULCH THE SEDIMENT TRAP AND DISTURBED AREAS AROUND IT DURING SPRING, SUMMER, AND FALL. IN WINTER, COVER THESE AREAS WITH A HEAVY LAYER OF STRAW MULCH.

MAINTENANCE
MATERIALS, EQUIPMENT, AND PERSONNEL MUST BE AVAILABLE FOR MAINTENANCE AT ALL TIMES.

1. INSPECT THE SEDIMENT TRAP:
 - DURING CONSTRUCTION: TO SEE IF THE TRAP HAS BEEN DAMAGED BY EQUIPMENT, GRADING, ETC. OR PARTIALLY FILLED BY GRADING. IF DAMAGED, REPAIR IT. IF THE VOLUME IS REDUCED, REMOVE THE FILL.
 - AFTER EACH RAINFALL: TO SEE HOW MUCH SEDIMENT HAS ACCUMULATED. IF THE STONE FILTER HAS BECOME COVERED OR CLOGGED WITH SEDIMENT, IF THE OUTLET IS BROOD, OR IF RUNOFF IS BY-PASSING THE TRAP, IF THE OUTLET IS BROOD, OR RUNOFF IS BY-PASSING THE TRAP, MAKE THE NECESSARY REPAIRS AND CHANGES. INSPECT THE BAFFLES AND REPAIR THEM IF DAMAGED.
2. CLEAN OUT THE PIT WHEN SEDIMENT HAS ACCUMULATED TO THE TOP OF THE SEDIMENT STORAGE VOLUME AS INDICATED BY THE TOP OF THE 4-INCH STAKE IN THE MIDDLE OF THE TRAP. REMOVE THE SEDIMENT AND PLACE IT IN A DISPOSAL AREA OR, IF APPROPRIATE, MIX IT WITH DRY SOIL ON THE SITE.
 - DO NOT DISPOSE OF SEDIMENT IN A MANNER THAT WILL CREATE AN EROSION HAZARD.
3. WHERE THE WASHED STONE ON THE FILTER BERM BECOMES COVERED WITH SEDIMENT SO THAT WATER CANNOT FLOW THROUGH THE FILTER, SCRAPE THE CONTAMINATED STONE OFF, DITCH IT TO A DRAINAGE AREA, AND REPLACE IT WITH A 1-FOOT LAYER OF CLEAN WASHED STONE.
4. MAINTAIN DRAINAGE TO THE SEDIMENT TRAP SO THAT RUNOFF DOES NOT BY-PASS IT. MAINTAIN DRAINAGE TO ALL DISTURBED AREAS AND FILL FENCE DIRECTING RUNOFF TO THE TRAP ACCORDING TO EQUIPMENT USE FOR THOSE PRACTICES.

REMOVAL

1. WHEN THE PROJECT IS COMPLETE AND THE DRAINAGE AREA ABOVE THE TRAP IS STABILIZED, THE SEDIMENT TRAP MUST BE REMOVED.
2. REMOVE THE ACCUMULATED SEDIMENT, EARTH BERM, AND STONE, THEN GRADE THE AREA. DISPOSE OF THE SEDIMENT AND TRAP COMPONENTS PROPERLY.
3. STABILIZE THE DISTURBED AREA WITH VEGETATION OR STONE, AS SPECIFIED IN THE PLAN.



It is Advisable to Provide a Separate Entrance to Reduce Traffic Across the Exit and Wear and Maintenance

The Exit Location Must Slope Away from the Street or Steps Must Be Taken (Grading, Diversions, Etc.) to Prevent Runoff flowing into the Street

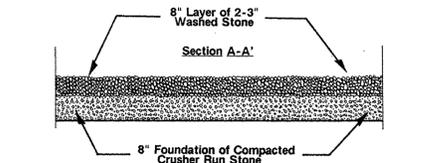


FIGURE 1: Illustration of a Gravel Construction Exit.

INSTRUCTIONS FOR GRAVEL CONSTRUCTION EXIT

INSTALLATION

1. REFER TO PLANS FOR LOCATION AND SPECIFICATIONS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION OR METHODS OF INSTALLATION CONTACT THE ENGINEER, ARCHITECT, OR RESPONSIBLE PERSONNEL ON THE SITE FOR ASSISTANCE. EROSION CONTROL PERSONNEL SHALL HAVE COPIES OF INSTRUCTIONS AND PHOTOGRAPHS OF PROPERLY INSTALLED EXITS AS AN AID TO INSTALLATION.
- IF THE CONSTRUCTION EXIT IS NOT INSTALLED CORRECTLY THE FIRST TIME, IT WILL HAVE TO BE REBUILT.
2. DETERMINE THE LOCATION ON THE GROUND, TAKING INTO CONSIDERATION:
 - THE CONSTRUCTION EXIT MUST BE IN PLACE DURING ALL PHASES OF CONSTRUCTION; IF THE LOCATION IS TO BE GRADED, THE EXIT MUST BE INSTALLED FOR THE INITIAL WORK, REMOVED TO ALLOW GRADING OF THE LOCATION, AND REPLACED IMMEDIATELY AFTER GRADING SO THAT IT IS IN PLACE AND FUNCTIONING AT ALL TIMES.
 - IF THE SITE WILL HAVE A LARGE NUMBER OF VEHICLES USING THE EXIT, IT IS ADVISABLE TO HAVE A DIVIDED ENTRANCE THAT DIRECTS ENTERING TRAFFIC THROUGH A SEPARATE TRAVELWAY PARALLEL TO THE GRAVEL CONSTRUCTION EXIT IN ORDER TO REDUCE THE NUMBER OF TRIPS OVER THE STONE, INCREASING THE LIFE OF THE GRAVEL, AND REDUCING MAINTENANCE. REFER TO THE ILLUSTRATION FOR DETAILS.
 - RUNOFF AND SEDIMENT FROM THE SITE MUST BE DIRECTED AWAY FROM THE EXIT SO THAT IT DOES NOT FLOW INTO THE STREET OR OTHER OFF-SITE AREA; CHOOSE A LOCATION FOR THE EXIT THAT WILL MAKE IT EASY TO DIVERT THE RUNOFF TO SEDIMENT-TRAPPING DEVICES.
 - IF THE PERSON RESPONSIBLE FOR THE DISTURBANCE FAILS TO TAKE INITIATIVE TO KEEP SOIL AND DEBRIS ON THE SITE ENFORCEMENT ACTION MAY BE TAKEN AGAINST THE SITE AND THE GRADING PERMIT REVOKED AND/OR A STOP WORK ORDER ISSUED.
3. CLEAR THE LOCATION OF THE EXIT, REMOVING STUMPS, ROOTS, AND OTHER VEGETATION IN ORDER TO PROVIDE A FIRM FOUNDATION SO THAT THE STONE IS NOT PRESSED INTO SOFT GROUND. CLEAR ENOUGH WIDTH TO ALLOW PASSAGE OF LARGE VEHICLES, BUT CLEAR ONLY WHAT IS NECESSARY FOR THE EXIT. DO NOT CLEAR ADJACENT AREAS UNTIL THE REQUIRED EROSION CONTROL DEVICES ARE IN PLACE.
 - IF THE SOIL AT THE LOCATION IS SOFT IT IS ADVISABLE TO PLACE A 6 TO 8 INCH LAYER OF CRUSHER RUN STONE DOWN FIRST TO PROVIDE A FIRM FOUNDATION AND PREVENT THE WASHED STONE BEING PRESSED INTO THE GROUND.
4. AT THE LOCATION OF THE EXIT, PLACE AN 8-INCH LAYER OF WASHED STONE 2 TO 3 INCHES IN DIAMETER AT LEAST 50 FEET LONG AND AS WIDE AS THE FULL WIDTH OF THE EXIT OR AT LEAST 10 FEET WIDE. PLACE THE END OF THE STONE WHERE IT MEETS THE PAVEMENT SO THAT THE WHEELS OF TURNING VEHICLES REMAIN ON STONE AND DO NOT TRAVEL OVER UNPROTECTED SOIL.
5. A SQUARE-EDGED SHOVEL AND BROOM WITH STIFF BRISTLES MUST BE PROVIDED AT THE EXIT FOR REMOVING ANY MUD THAT MAY BE TRACKED INTO THE STREET.

USE

1. AS VEHICLES LEAVING THE SITE DRIVE ACROSS THE WASHED STONE THE ABRASIVE ACTION OF THE WASHED STONE SHOULD REMOVE SEDIMENT FROM THE TIRES. IT MAY BE NECESSARY TO USE A SHOVEL TO REMOVE MUD TRAPPED BETWEEN DUAL WHEELS.
2. ANY SOIL TRACKED FROM THE SITE MUST BE REMOVED IMMEDIATELY. A SHOVEL AND BROOM MUST BE USED TO REMOVE AS MUCH SOIL AS POSSIBLE BEFORE WASHING THE PAVEMENT.

MAINTENANCE
MATERIALS, EQUIPMENT, AND PERSONNEL MUST BE AVAILABLE FOR MAINTENANCE AT ALL TIMES.

1. WHEN THE STONE IN THE EXIT BECOMES CONTAMINATED WITH SOIL AND ITS FUNCTION IS REDUCED TO WHERE SEDIMENT IS BEING TRACKED INTO THE STREET, A 4-INCH LAYER OF CLEAN STONE MUST BE ADDED.
2. DIVERSIONS USED TO DIRECT RUNOFF AWAY FROM THE EXIT TO SEDIMENT-TRAPPING DEVICES MUST BE MAINTAINED ACCORDING TO SPECIFICATIONS FOR THOSE DEVICES.
3. THE GRAVEL CONSTRUCTION EXIT MUST BE MAINTAINED SO THAT MUD AND DUST ARE KEPT ON-SITE. PROBLEMS MUST BE ANTICIPATED AND PREVENTIVE MAINTENANCE MUST BE PERFORMED.

REMOVAL

1. WHEN THE GRAVEL CONSTRUCTION EXIT IS NO LONGER NEEDED, WHEN THE TRAVELWAYS HAVE BEEN STABILIZED AND THE POTENTIAL FOR TRACKING SOIL AND DEBRIS INTO THE STREET HAS BEEN REMOVED, THE GRAVEL CONSTRUCTION EXIT MAY BE REMOVED.
2. THE STONE AND ANY SEDIMENT SHOULD BE REMOVED AND PROPERLY DISPOSED OF WHERE THEY WILL NOT CREATE AN EROSION HAZARD.

INSTRUCTIONS FOR TEMPORARY STABILIZATION USING VEGETATION

INSTALLATION

1. REFER TO PLANS FOR LOCATION, EXTENT, AND SPECIFICATIONS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, OR METHODS OF INSTALLATION, CONTACT THE ENGINEER, ARCHITECT, OR RESPONSIBLE PERSONNEL ON THE SITE FOR ASSISTANCE. EROSION CONTROL PERSONNEL SHALL HAVE COPIES OF INSTRUCTIONS AND MAY BE ABLE TO OFFER ASSISTANCE.
- IF THE DISTURBANCE IS NOT PROPERLY STABILIZED THE FIRST TIME SO THAT EROSION IS RESTRAINED, THE SEEDING WILL HAVE TO BE REPEATED.
2. USE THE APPLICATION RATES FOR LIME, FERTILIZER, SEED, MULCH, ETC. SPECIFIED IN THE PLAN, OR USE THE RATES BELOW FOR THE APPROPRIATE SEASON.

ALL SEASONS:

- LIME: 80 POUNDS PER 1000 SQUARE FEET (2 TONS PER ACRE).
- FERTILIZER: 10-10-10; 23 POUNDS PER 1000 SQUARE FEET (1000 POUNDS PER ACRE).
- STRAW MULCH: 80 POUNDS PER 1000 SQUARE FEET (1.5 TO 2 TONS PER ACRE); USE ENOUGH STRAW TO COVER 75% OF THE GROUND.

WINTER - MAY

- RYE GRASS: 3 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE).
- OR SPRING OATS: 3 POUNDS PER 1000 SQUARE FEET (125 POUNDS PER ACRE).

MAY - AUGUST

- MILLET: 1 POUND PER 1000 SQUARE FEET (40 POUNDS PER ACRE).
- OR BROOM CORN: 1 POUND PER 1000 SQUARE FEET (40 POUNDS PER ACRE).

AUGUST 15 - NOVEMBER 15

- OATS: BEFORE OCTOBER 1: 2.5 POUNDS PER 1000 SQUARE FEET (125 POUNDS PER ACRE).
- OR WHEAT: AFTER OCTOBER 1: 3 POUNDS PER 1000 SQUARE FEET (180 POUNDS PER ACRE).

NOVEMBER 15 - FEBRUARY

- VEGETATION IS NOT AN APPROPRIATE STABILIZATION DURING THESE SEASONS; USE ANOTHER TYPE OF TEMPORARY GROUND COVER, SUCH AS MULCHING.

SEEDING PREPARATION: REMOVE ROCKS, STUMPS, ROOTS, ETC. SINCE THEY WILL INTERFERE WITH SEEDING AND MAINTENANCE. THE SMOOTH, COMPACTED SURFACE OF CUT AND FILL SLOPES IS NOT A GOOD SEED BED; APPLY LIME AND FERTILIZER, THEN TIE THE SOIL 4-6 INCHES TO MIX THE NUTRIENTS INTO THE SOIL AND TO LOOSEN AND ROUGHEN IT TO RECEIVE THE SEED.

SEEDING: APPLY SEED AT THE RECOMMENDED RATE, AND GO OVER THE SURFACE WITH A CULTIPACKER WHERE POSSIBLE TO BRING THE SEED INTO CONTACT WITH THE SOIL.

MULCHING: THE AREA SEEDED MUST BE MULCHED TO PROTECT THE BASE SOIL UNTIL THE VEGETATION IS ESTABLISHED AND TO RETAIN MOISTURE TO PROMOTE GERMINATION AND PLANT GROWTH. APPLY ENOUGH MULCH TO COVER 75% OF THE SOIL SURFACE. TO KEEP IT IN PLACE AND PREVENT WIND OR WATER FROM DISLORGING IT, THE MULCH SHOULD BE HELD IN PLACE BY TACKLING IT WITH ASPHALT, CUTTING IT WITH A STRAIGHT-SET DISK, OR COVERING IT WITH NETTING.

MAINTENANCE
AREAS MUST BE SEEDING AND MULCHED WHERE THE VEGETATION FAILS TO ESTABLISH ITSELF OR IS DAMAGED BY RUNOFF OR CONSTRUCTION ACTIVITY. IF THE VEGETATION SHOULD FAIL FOR ANY REASON BEFORE THE PERMANENT STABILIZATION IS PROVIDED, IT MUST BE REPLACED WITH AN APPROPRIATE TYPE OF COVER SUFFICIENT TO RESTRAIN EROSION.

INSTRUCTIONS FOR PERMANENT STABILIZATION USING VEGETATION

INSTALLATION

1. REFER TO PLANS FOR LOCATION, EXTENT, AND SPECIFICATIONS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE LOCATION, EXTENT, OR METHODS OF INSTALLATION, CONTACT THE ENGINEER, ARCHITECT, OR RESPONSIBLE PERSONNEL ON THE SITE FOR ASSISTANCE. EROSION CONTROL PERSONNEL SHALL HAVE COPIES OF INSTRUCTIONS AND MAY BE ABLE TO OFFER ASSISTANCE.
- IF THE DISTURBANCE IS NOT PROPERLY STABILIZED THE FIRST TIME SO THAT EROSION IS RESTRAINED, THE SEEDING WILL HAVE TO BE REPEATED UNTIL IT IS SUCCESSFUL.
2. USE THE APPLICATION RATES FOR LIME, FERTILIZER, SEED, MULCH, ETC. SPECIFIED IN THE PLAN, OR USE THE RATES BELOW FOR THE APPROPRIATE SEASON. IF SEEDING IS TO BE DONE IN A SEASON NOT LISTED BELOW, USE VEGETATION COMPATIBLE WITH THAT SEASON OR ANOTHER METHOD OF PERMANENT STABILIZATION.

TALL FESCUE:

- SEEDING DATES: FEBRUARY 15 - MAY, OR AUGUST 15 - OCTOBER 15
- LIME: 135 POUNDS PER 1000 SQUARE FEET (3 TONS PER ACRE)
- FERTILIZER: 10-10-10; 23 POUNDS PER 1000 SQUARE FEET (1000 POUNDS PER ACRE). A SPLIT APPLICATION OF 500 POUNDS PER ACRE INITIALLY AND ANOTHER 500 POUNDS IN THE SPRING OR FALL IS PREFERABLE. AND 500 POUNDS PER ACRE SUPER PHOSPHATE WHERE THE SUBSOIL IS EXPOSED.
- SEED: 1.5 POUNDS PER 1000 SQUARE FEET (40 POUNDS PER ACRE)
- MULCH: 80 POUNDS OF SMALL GRAIN STRAW OR 150 POUNDS OF MULCH (APPROXIMATELY 2 BALES) OR 1.5 TO 2 TONS PER ACRE; USE ENOUGH STRAW TO COVER 75% OF THE GROUND.
- TERMOGARD COVER: 1.5 POUNDS OF GEOTEXTILE OR BROOMCORP MILLET PER 1000 SQUARE FEET (30 POUNDS PER ACRE)

SEEDING PREPARATION: REMOVE ROCKS, STUMPS, ROOTS, ETC. SINCE THEY WILL INTERFERE WITH SEEDING AND MAINTENANCE. THE SMOOTH, COMPACTED SURFACE OF CUT AND FILL SLOPES IS NOT A GOOD SEED BED; APPLY LIME AND FERTILIZER, THEN TIE THE SOIL 4 TO 6 INCHES TO MIX THE NUTRIENTS INTO THE SOIL AND TO LOOSEN AND ROUGHEN IT TO RECEIVE THE SEED.

SEEDING: APPLY SEED AT THE RECOMMENDED RATE, AND GO OVER THE SURFACE WITH A CULTIPACKER WHERE POSSIBLE TO BRING THE SEED INTO CONTACT WITH THE SOIL.

MULCHING: THE AREA SEEDED MUST BE MULCHED TO PROTECT THE BASE SOIL UNTIL THE VEGETATION IS ESTABLISHED AND TO RETAIN MOISTURE TO PROMOTE GERMINATION AND PLANT GROWTH. APPLY ENOUGH MULCH TO COVER 75% OF THE SURFACE. TO KEEP IT IN PLACE AND PREVENT WIND OR WATER FROM DISLORGING IT, THE MULCH SHOULD BE HELD IN PLACE BY TACKLING IT WITH ASPHALT, CUTTING IT WITH A STRAIGHT-SET DISK, OR COVERING IT WITH NETTING.

MAINTENANCE
ANY PLACES WHERE THE VEGETATION FAILS TO ESTABLISH ITSELF OR IS DAMAGED BY RUNOFF OR CONSTRUCTION ACTIVITY MUST BE RESEED. WHERE THE VEGETATION FAILS TO RESTRAIN EROSION, OTHER EROSION CONTROL MEASURES MUST BE INSTALLED.

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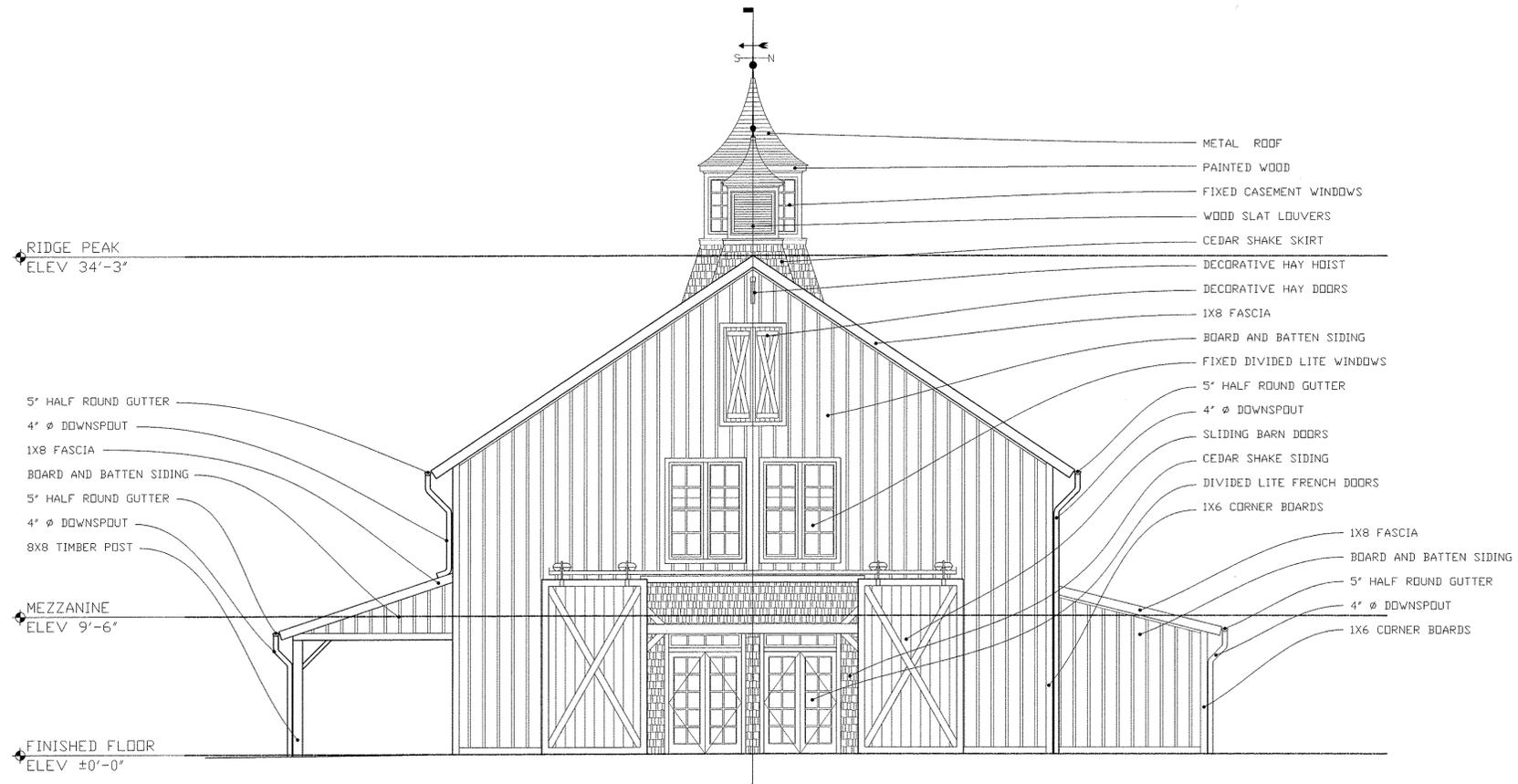


EROSION CONTROL DETAILS
THE BARN OF CHAPEL HILL
CLASS "B" - SUP
BINGHAM TOWNSHIP
ORANGE COUNTY, N.C.

SCALE: 1"=100'
DRAWN BY: MKM
CHECKED BY: TAS
DATE: 4-2-15
PROJECT NO.: 501302.02
DRAWING NO.: C850502.01
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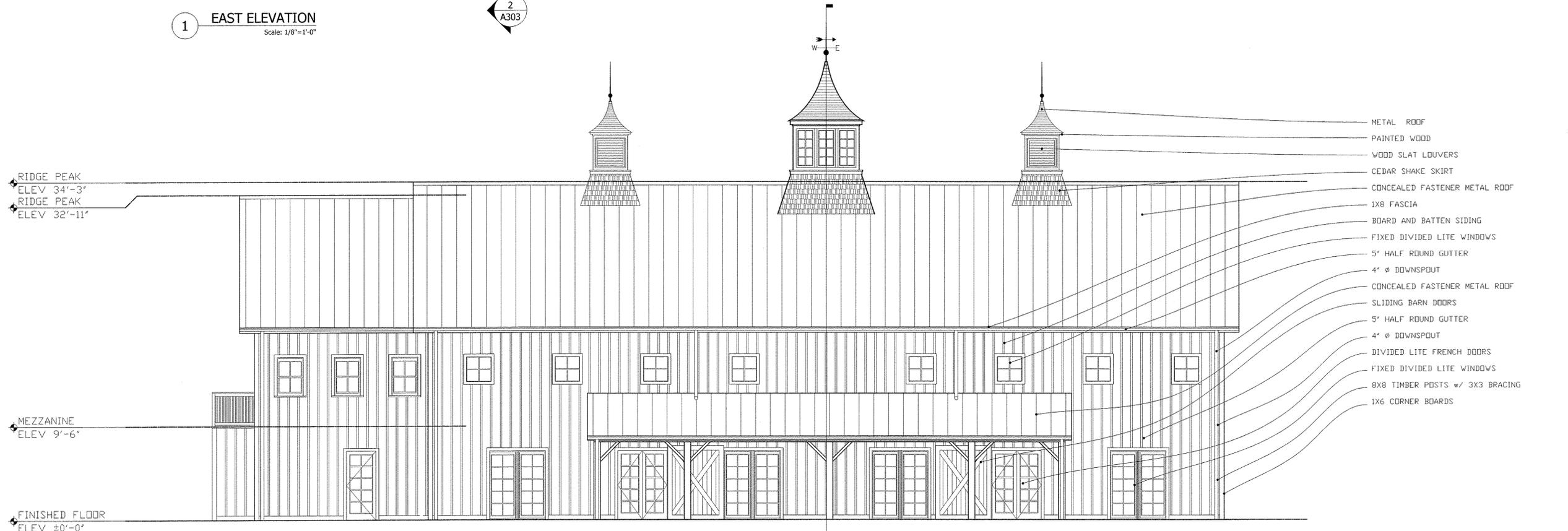
REVISIONS
SHEET 5-8
OF 10

**BREWER WEDDING VENUE
 CHAPEL HILL, NORTH CAROLINA**



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

2
A303



2 SOUTH ELEVATION
 Scale: 1/8"=1'-0"

1
A303

ELEVATIONS SCALE: 3/16" = 1'

PRELIMINARY - NOT FOR
 CONSTRUCTION

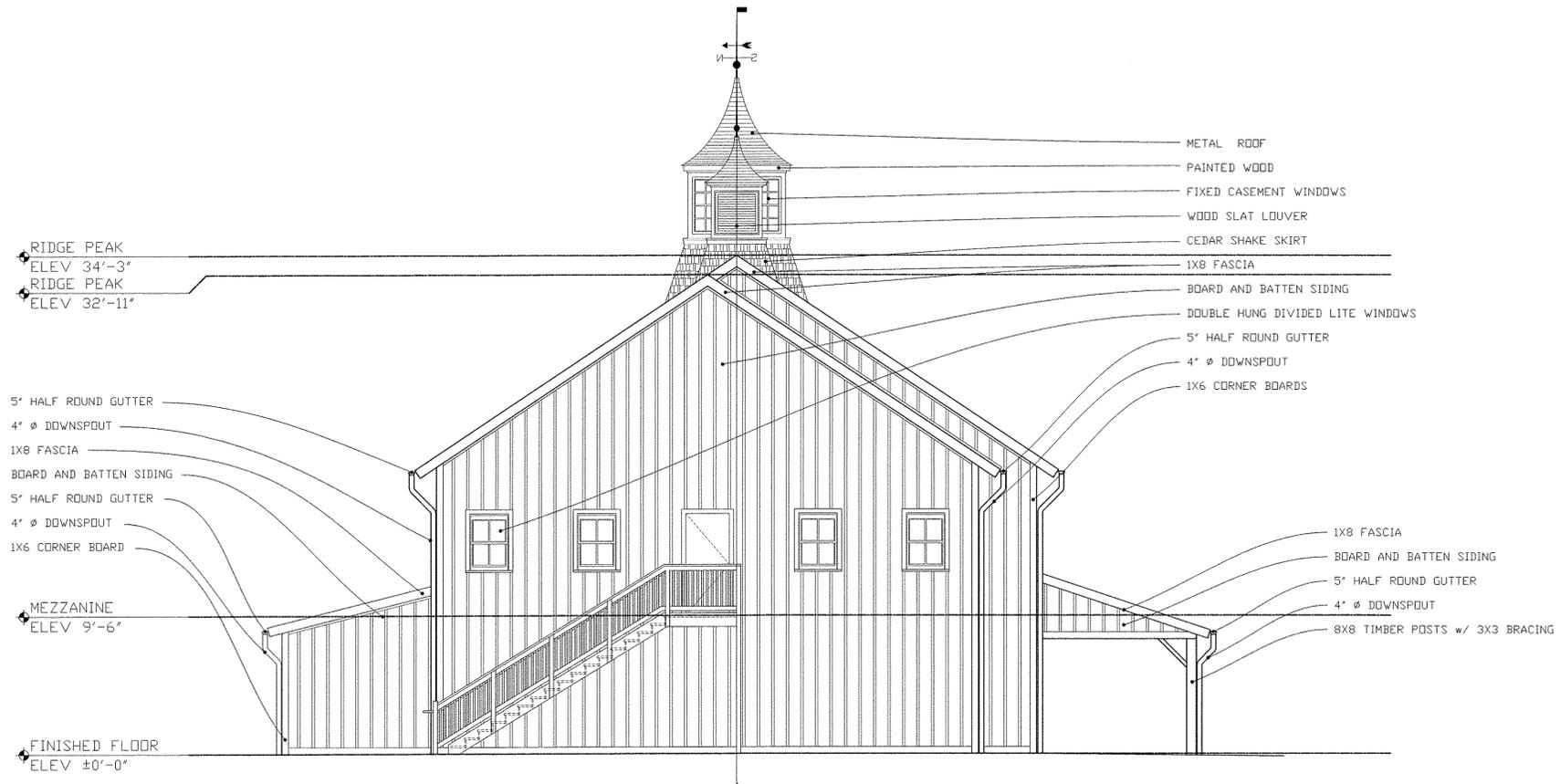
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A	OWNER REVIEW	11/14/14
B	OWNER REVIEW	12/2/14
C	OWNER REVIEW	2/27/15
E	OWNER REVIEW	3/13/15
F	OWNER REVIEW	3/30/15

REVISION	DATE
F	150330

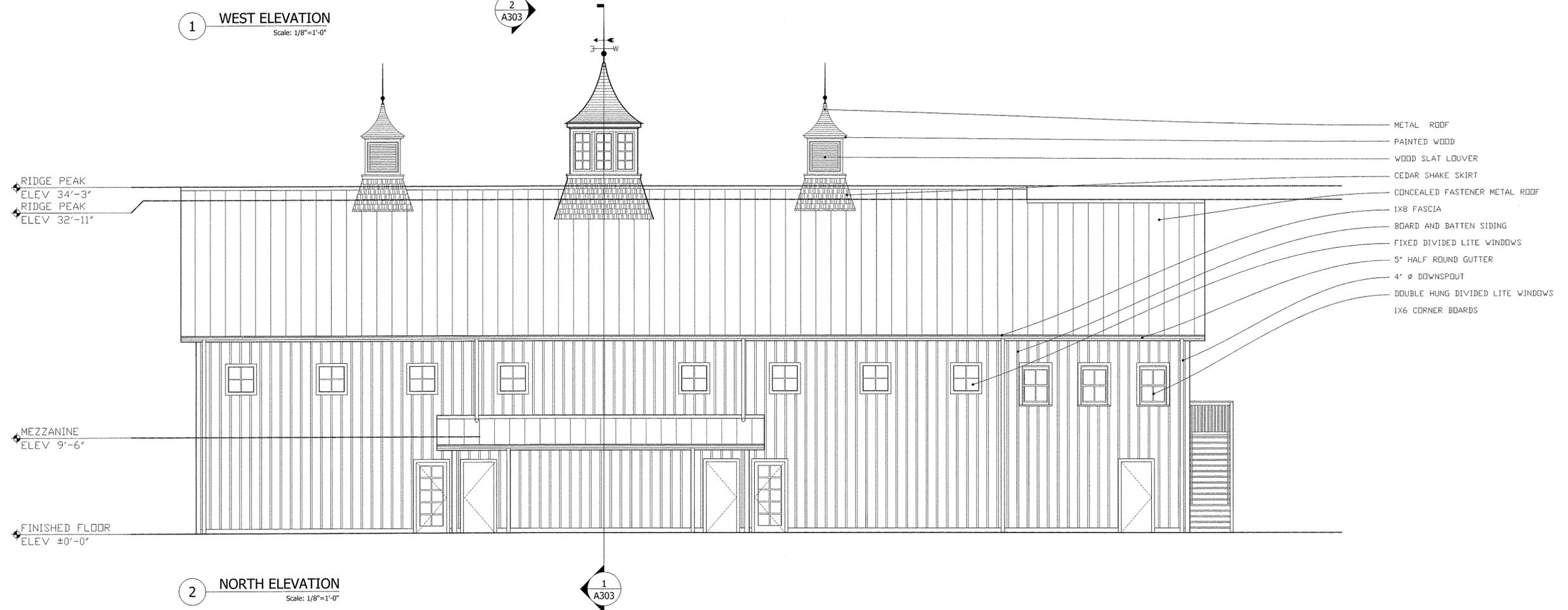
James M. Kistler
 AIA
 Architect
 Waco, Texas

SHEET TITLE
A301
DESIGN BY: JMK
DRAWN BY: JMK

BREWER WEDDING VENUE
CHAPEL HILL, NORTH CAROLINA



1 WEST ELEVATION
 Scale: 1/8"=1'-0"



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

ELEVATIONS SCALE: 3/16" = 1'

PRELIMINARY - NOT FOR
 CONSTRUCTION

REV.	REVISION DESCRIPTION	DATE
B	OWNER REVIEW	12/2/14
C	OWNER REVIEW	2/27/15
E	OWNER REVIEW	3/19/15
F	OWNER REVIEW	3/30/15

REVISION	DATE
F	150330

James M. Kistler
 AIA
 Architect
 Waco, Texas

SHEET TITLE
A302
 DESIGN BY: JMK
 DRAWN BY: JMK