

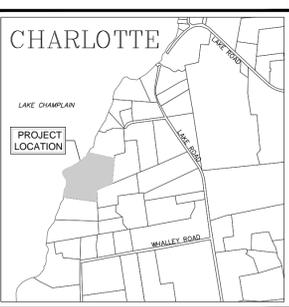
SITE ENGINEER:

 CIVIL ENGINEERING ASSOCIATES, INC.
 10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
 802-864-2323 FAX: 802-864-2271 web: www.cca-vt.com
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 MAB
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 JLM
 APPROVED
 JLM
 OWNER:

THOMAS & MICHELLE TILLER
 362 HOLMES ROAD
 CHARLOTTE
 VERMONT

THOMAS & MICHELLE TILLER
 362 HOLMES ROAD
 CHARLOTTE
 VERMONT



LOCATION MAP
 1" = 2000'

| DATE | CHECKED | REVISION |
|----------|---------|-----------------------------------|
| 11/17/14 | JLM | ADDITIONAL TOPO FOR W.W. AND BARN |
| 11/3/15 | DSM/ACL | UPDATED PLAN |
| | | |
| | | |
| | | |

WASTEWATER DISPOSAL SYSTEM SITE PLAN

DATE
 FEB, 2015
 SCALE
 1" = 30'
 PROJ. NO.
 13229.01
 DRAWING NUMBER
C1.1

TILLER
23.5 ± ACRES
 PERC TEST INFORMATION
 PT#1 3.4 MIN/INCH
 PT#2 3.2 MIN/INCH

Project Test Pitting
 November 2, 2014
 Dave Marshall, Jim Huntington, John Patnaude

TP#20
 0-5" Loose Dark Brown Fine Sandy Loam - GR2
 5-10" Loose Brown Loam - PL3
 10-18" Loose Dark Brown Loam - PL3
 18-24" Compact Grey Brown Silty Gravel
 24-46" Medium Compact Grey Brown Gravel w/ Cobbles
 SHGWT 12" Roots to 18"
 Seeps at 41" No Ledge

TP#21
 0-6" Loose Brown Very Fine Sandy Loam - GR2
 6-13" Loose Light Brown Very Fine Sandy Loam, Stony - GR2
 13-20" Medium Compacted Light Brown Fine Sandy Loam - GR1
 20-32" Compact Grey Brown Very Fine Silty Loam
 32-46" Loose Grey Brown Loamy Gravel
 SHGWT 19" Roots to 25"
 No Seeps No Ledge
 Drawing Water from Lake

TP#22
 0-6" Loose Dark Brown Very Fine Sandy Loam - GR2
 6-12" Loose Brown Very Fine Sandy Loam - BK1
 12-18" Medium Compact Brown Stony Loam - BK1
 18-26" Medium Compact Grey Brown Gravelly Loam
 26-54" Loose - Compact Grey Brown Gravelly Loam
 SHGWT 25" Roots to 27"
 Seeps at 50" No Ledge (26" at east end)

TP#23
 0-5" Loose Dark Brown Loam - GR2
 5-18" Loose Grey Brown Loam - PL3
 18-26" Medium Compact Grey Brown Stony Loam
 26-48" Loose Compact Grey Brown Gravelly Loam
 SHGWT 14" Roots to 14"
 Seeps at 44" No Ledge

TP#24
 0-8" Loose Brown Loam - GR2
 8-16" Loose Grey Brown Loam - PL2
 16-34" Medium Compacted Grey Brown Stony Loam
 SHGWT 10" Roots to 14"
 No Seeps Ledge at 34"

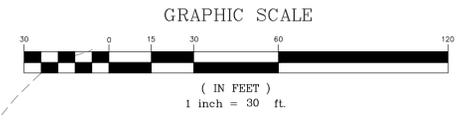
TP#25
 0-7" Loose Brown Very Fine Sandy Loam - GR2
 7-14" Loose Dark Brown Very Fine Sandy Loam - GR2
 14-27" Loose Grey Brown Loam - PL2
 27-53" Medium Compact Grey Brown Gravelly Loam
 SHGWT 14" Roots to 14"
 Seeps at 47" No Ledge

TP#26
 0-8" Loose Dark Brown Fine Sandy Loam - GR2
 8-17" Loose Brown Gravelly Fine Sandy Loam - GR2
 17-28" Medium Compact Brown Stony Very Fine Sandy Loam - GR2
 28-35" Medium Compact Grey Brown Gravelly Silty Loam
 35-51" Loose Grey Brown Stony Gravelly Fine Silty Loam
 SHGWT 28" Roots to 22"
 No Seeps Ledge at 48"

TP#27
 0-7" Loose Brown Very Fine Sandy Loam - GR2
 7-17" Loose Dark Brown Very Fine Sandy Loam - GR2
 17-29" Loose Brown Sandy Loam - PL1
 29-40" Loose Grey Brown Stony Loam
 40-49" Loose grey Brown Gravel
 SHGWT 27" Roots to 30"
 Seeps at 46" No Ledge

TP#28
 0-8" Loose Dark Brown Very Fine Sandy Loam - GR2
 8-20" Loose Brown Stony Very Fine Sandy Loam - GR2
 20-27" Compact Brown Stony Loam
 27-33" Loose Grey Medium Sand
 33-56" Medium Compact Gravel and Cobbles
 SHGWT 18" Roots to 23"
 Seeps at 52" No Ledge

TP#29
 0-7" Loose Brown Very Fine Sandy Loam - GR2
 7-20" Loose Grey Brown Very Fine Sandy Loam - GR2
 20-33" Medium Compact Brown Stony Loam
 33-48" Loose Grey Stony Gravel
 SHGWT 18" Roots to 22"
 No Seeps Ledge at 48"



NEW 1500 GAL SEPTIC TANK
 RIM=135.5
 INV. IN(4" PVC E)=131.5
 INV. IN(4" PVC S)=131.5
 INV. OUT(4" PVC W)=131.2

NEW 1000 GAL PUMP STATION
 RIM=135.5
 INV. IN(4" PVC E)=131.5
 INV. OUT(2" PVC W)=130.5

| Horizontal Distance (Feet) | Leach field | Septic Tank | Sewer |
|----------------------------------|--------------------------------|-------------|-------|
| 100 (Min.) | 50 | 50 | 50 |
| 200 (Min.) | 50 | 50 | 75 |
| 150 (Min.) | 75 | 75 | 75 |
| 500 (Min.) | 75 | 75 | 75 |
| Lakes, Ponds and Impoundment | 50 | 25 | 25 |
| Rivers, Streams | 50 | 25 | 10 |
| Drainage Swales, Roadway Ditches | 25 | - | - |
| Municipal Water Main | 50 | 50 | 10 |
| Service Water Lines | 25 | 25 | 10 |
| Roadways, Driveways, Buildings | 10 | 5 | 5 |
| Top of embankment or slope > 30% | 25 | 10 | 10 |
| Property Line | 10 | 10 | 10 |
| Trees | 10 | 10 | 10 |
| Replacement Area | 10 | - | - |
| Foundation, Footing Drains | 35 (75 Downslope) ³ | 10 | - |

- Isolation distances to well locations may vary due to site conditions - contact Engineer for verification with the Vermont Water Supply Rule Regulations.
- For mound disposal systems, the limit of mound fill must be 25 feet from any downhill property line and 10 feet from side or uphill property lines.
- If a curtain or foundation drain is downslope of the leach field, the leach field cannot be closer than 75 feet to the drain. If the drain is upslope of the leach field, it shall be 35' if possible and 20' minimum.
- Sewers under roads, driveways or parking lots may require protective conduits or sleeves.

MINIMUM ISOLATION DISTANCES
 (CONTACT ENGINEER FOR ANY CLARIFICATIONS OR CONFLICTS)

LEGEND

| | |
|--|---------------------------|
| | EXISTING CONTOUR |
| | APPROXIMATE PROPERTY LINE |
| | TOP OF BANK |
| | IRON ROD/PIPE FOUND/SET |
| | CONCRETE MONUMENT |
| | WATER LINE |
| | UNDERGROUND ELECTRIC |
| | GRAVITY SEWER LINE |
| | DECIDUOUS TREE |
| | CONIFEROUS TREE |
| | EDGE OF BRUSH/WOODS |
| | FENCE |
| | DRAINAGE SWALE |
| | PROJECT BENCHMARK |
| | TEST PIT |
| | PERCOLATION TEST |

Basis of Design

Design Flow
 5-BR Home 560 GPD
 Total Flow 560 GPD

Performance Based Design Approach
 Limiting Soil Condition - Fine Sandy Loam
 Limiting Slope Condition - 5.0%±
 Linear Loading Rate - 7.5 GPD/LF/VLF

Design Trench - 8-foot Seepage Bed
 Standard Effluent Application Rate = 1 GPD/SF
 Design Linear Loading Rate - 6.22 GPD/LF

Resulting Groundwater Mounding
 5.3 See Hydrogeologic Study

Required Separation to Mounded SHGWT = 36"
 Min. Required Depth of Sand under Bed 36" - 13.5" = 22.5"

Disposal Field
 Min Required Length of Bed 560 GPD / (6.22 GPD/LF) = 90 feet
 Limiting Percolation Rate = See Above
 Required Effective Basal Area = 560 GPD / (0.74 GPD/SF) = 757 SF
 Basal Area Provided = 1,779 SF
 Separation Distance to Property Line
 10 FT to Toe, 17 FT provided > 400 FT, provided
 25 FT to bed, 213 FT provided

Pressure Distribution System
 Minimum Required Number of Orifices
 90 LF Bed x 6.3 FT width / (25 GPD/SF) = 22.7 Use 23.
 Provide Two 1.5" Distribution Pipes, 96 FT long
 See Detail for Orifice Sizing and Layout
 Fill Volume of Distribution Piping = 16.2 Gal
 Minimum Required Dose Volume = 16.2 Gal x 5 = 81 Gal
 Minimum Number of Doses per Day = 4
 Maximum Dose Size = 560 GPD/4 = 140 Gal

Pump Sizing
 163.5 = Invert of Distribution Piping in Mound (or High Pt of FM)
 129.0 = Low Elevation in Pump Station (FT)
 34.5 = Elevation Head (FT)

Length of SDR 26 PVC Force Main = 530 FT
 Diameter of Force Main = 2"
 Design Flow Rate = 28.7 GPM
 Friction Loss per 100 LF = 1.7 FT
 8.96 = Resulting Friction Head (FT)
 34.50 = Elevation Head (FT)
 3.0 = Minor Losses (FT)
 3.0 = Design Residual Pressure (FT)
 49.46 = Design TDH
 Use Hydromatic SHEP50, 1 Ph, 60 Hz, 230 V, 0.5 HP or approved equal

Pump Station Emergency Storage
 Required = 630 GAL, 630 GAL Provided

Septic Tank
 Minimum Size Required = 1,000 Gal for Design Flows < 667 GPD
 1500 GAL proposed
 Effluent Filter Required



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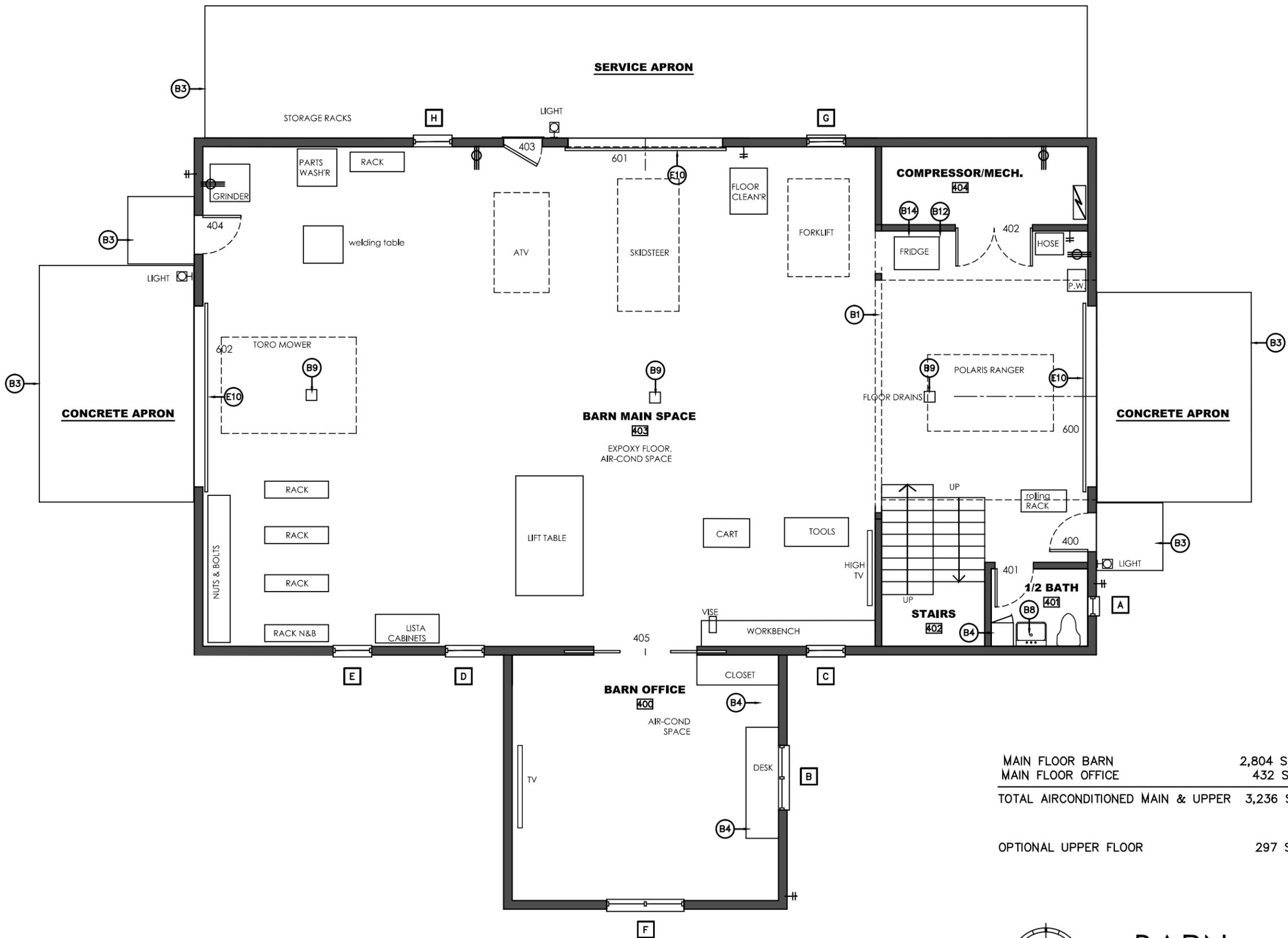
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| | |
|--|------------------|
| MAIN FLOOR BARN | 2,804 S/F |
| MAIN FLOOR OFFICE | 432 S/F |
| TOTAL AIRCONDITIONED MAIN & UPPER | 3,236 S/F |
| OPTIONAL UPPER FLOOR | 297 S/F |

MAIN FLOOR



BARN FLOOR PLAN
SCALE: 1/8" = 1'-0"

REVISD 11-9-15

JOB NO. 1413 SHEET NO. **A2.3**

DATE: 2014

SCALE: AS SHOWN

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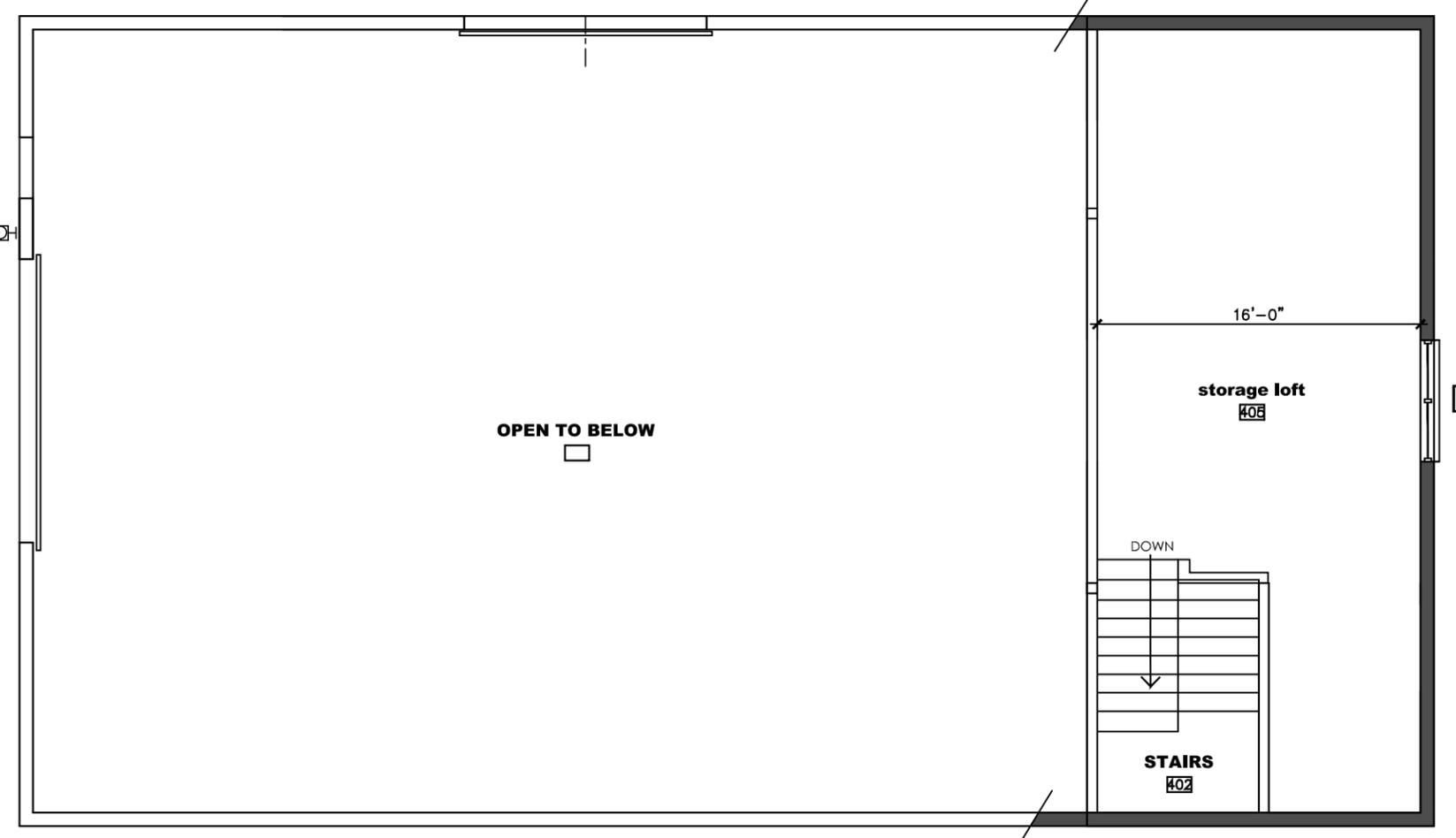
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| |
|---|
| B PLAN |
| 1. LINE OF ROOF |
| 2. TEMPERED GLASS |
| 3. CONCRETE CURB/TURNDOWN SLAB |
| 4. CUSTOM CASE WORK/CABINETRY & COUNTERTOP. REFER TO SUPPLIER SHOP DRAWINGS. ARCHITECT TO APPROVE PRIOR TO FABRICATION. |
| 5. SHELF/ROD SYSTEM TO BE APPROVED BY OWNER. |
| 6. CLOSET SYSTEM SHOWN SCHEMATIC IN NATURE. REFER TO CLOSET CONSULTANT SHOP DRAWINGS FOR ADDITIONAL INFORMATION |
| 7. TILE SHOWER FLOOR SLOPED TO DRAIN |
| 8. SINK |
| 9. FLOOR DRAIN -VERIFY IF TRAP PRIMER REQUIRED |
| 10. STORAGE UNIT, WALL HUNG SHELVING/SELECTION BY OWNER |
| 11. WINE COOLER UNIT - DESIGN PER ARCHITECT - SEE ID DRAWINGS |
| 12. DRYER VENT |
| 13. +18" FRAMED PLATFORM FOR RETURN AIR DUCT W/ FIRE RESISTANT GWB FINISH |
| 14. WASHING MACHINE OUTLET BOX |
| 15. +18" TILED SHOWER BENCH |
| 16. MICROWAVE AT UPPER CABINETS |
| 17. 20 MIN FIRE RATED W/ SELF-CLOSING & LATCHING HINGES, SWEEP & THRESHOLD |
| 18. ISOKERN MAGNUM 36 OR 48 GAS FIRE PLACE w/ FLUE SYSTEM -ICC ESR 2316 - SEE DTL XXX |
| 19. CUSTOM TOP/SEE INTERIORS & DETAIL |
| 20. CUSTOM BUILT-IN LINEN CABINET |
| 21. UNDERCOUNTER APPLIANCE -VERIFY W/ OWNER |
| 22. CUSTOM BUILT-IN ENTERTAINMENT CENTER CASEWORK |
| 23. WOOD DECK FLOOR AT PORCH -SEE FRAMING PLAN |
| 24. CUSTOM STORAGE SHELVING / CABINETRY - PROVIDE SHOP DWGS |
| 25. FRAMELESS TEMPERED GLASS SHOWER DOOR |
| 26. 2x6 BEARING OR NON-BEARING WOOD STUD FRAMING AT 16" O.C. SEE STRUCT. |
| 27. |
| 28. SCREENED OPENINGS -VERIFY W/ OWNER ON OPERATION, STYLE, ETC |
| 29. APPLIANCE -VERIFY W/ OWNER TYPE, STYLE, ETC. |
| 30. 8" CAST-IN-PLACE BASEMENT WALL (RETAINING) W/ 4" 2X WD STUD FURRING -SEE STRUCTURAL |
| 31. OUTDOOR SHOWER, PROVIDE PLUMB'G FREEZE PROTECTION -SEE SPECS |
| 32. LADDER ACCESS TO STORAGE AREA |
| 33. STRUCTURAL COLUMN -SEE STRUCTURAL FOR SIZE AND TYPE |

| |
|---|
| 34. PREFAB STEEL STAIR SET, VERIFY W/ OWNER TYPE AND DETAILS |
| C CEILING |
| 1. 22" x 30" ATTIC ACCESS PANEL WITH 30" MIN. OF HEADROOM ABOVE. PROVIDE 3/4" PLYWOOD LID W/ 1 LAYER OF 5/8" TYPE-X GYP. BOARD |
| 2. RECESSED CEILING W/ DECO TREATMENT -WOOD CROWN OR SIM. |
| 3. WOOD BEAMS -STRUCTURAL OR NON-STRUCT. SEE ENGINEERING PLANS |
| 4. KINGPOST & ARCHED BEAM -SEE ELEVATIONS |
| 5. SOFFIT MOLDING PER DETAIL |
| 6. VERTICAL CHASE |
| 7. WOOD OUTRIGGERS -SEE ELEVATIONS |
| D ROOF |
| 1. STANDING SEAM METAL ROOF- VERIFY W/ OWNER TYPE AND STYLE, MAKE AND INSTALLATION -COLOR PER ARCHITECT |
| 2. PLYWOOD CRICKET ON SHEATHING 1/4":12 MIN SLOPE TO DRAIN |
| 3. LINE OF ROOF OVERHANG/ OR BUILDING BELOW (DASHED LINE) |
| 4. CHIMNEY CAP - CUSTOM METAL FABRICATION -DESIGN PER ARCHITECT |
| 5. SEE FLASHING DETAILS FOR WALL TO ROOF INTERFACE |
| 6. ROOF DORMER -SEE ELEVATIONS AND FRAMING |
| 7. WOOD BEAM OUTRIGGER(S) -SEE ELEVATIONS |
| 8. VENTED WOOD-FRAME ROOF CUPOLA W/ METAL ROOF --SEE ELEVATIONS |
| E FINISHES & MATERIALS |
| 1. EXTERIOR WOOD SIDING SYSTEM -VERIFY W/ LOCAL CONTRACTORS FOR SYSTEM DETAILS, INSTALLATION, AND PROVIDE SAMPLES FOR APPROVAL BY OWNER |
| 2. INSULATED, DUAL GLAZING LOW E TINT WINDOW SYSTEM, TYPICAL. METAL CLAD WOOD, EXTERIOR: SELECTION BY ARCHITECT |
| 3. EXTERIOR GRADE DOOR w/ TEMP GLAZING WHERE OCCURS- SEE DOOR SCHED. |
| 4. STONE SILL - SELECTION/PROFILE BY ARCHITECT |
| 5. METAL OR PAINTED WOOD EAVE FASCIA/ RAKE FASCIA W/ FLASHING -SEE DETAIL |
| 6. APPLIED DECO 'BARN DOOR GABLE VENT' -SEE DETAILS PER ARCHITECT |
| 7. CUT STONE SURROUND - PROFILE/SELECTION BY ARCHITECT, PROV SHOP DWGS |
| 8. ELECTRICAL/MECH ROOM DOORS - PAINT TO MATCH EXT FIN - SEE DOOR SCHED |
| 9. WEEP SCREED - SEE DTL 1/AD1 |
| 10. METAL ROLL-UP DOOR -VERIFY W/ ARCHITECT TYPE AND STYLE |
| 11. EXTERIOR GRADE HOLLOW METAL MANDOR -FINISH PER ARCHITECT |
| 12. 1/2" DRYWALL OVER FRAMING -NAIL PER STRUCTURAL |
| 13. EXTERIOR METAL DOOR - PAINT TO MATCH WOOD DOORS, SEE DOOR SCHEDULE |
| 14. GARAGE DOOR - WOOD CLAD PANELED FOUR OR FIVE SECTION DOOR w/OPTIONAL APPLIQUE. COLOR: DARK WOOD STAINED TO MATCH EXTERIOR |

| |
|---|
| WOOD - APPROVAL BY ARCHITECT - SEE DOOR SCHEDULE |
| 15. CLERESTORY WINDOWS - SEE WINDOW SCHEDULE |
| 17. NATURAL STONE VENEER WAINSCOTE - SELECTION BY ARCHITECT. SEE DTL |
| 18. TILE SURROUND - SELECTION BY ARCHITECT |
| 19. GRANITE TOP AT BBQ - SELECTION BY ARCHITECT |
| 20. METAL TRIM/DRIP EDGE |
| 21. WOOD FRAME CUPPOLA VENT W/ METAL ROOF -SEE DETAILS PER ARCHITECT |
| F STRUCTURE |
| 1. SOLID 2x BLOCKING BETWEEN TRUSSES OR TJs |
| 2. SIMPSON HANGER - SEE STRUCTURAL |
| 3. 2x6 PONY WALL |
| 4. 1" OR 3/4" PLYWOOD ROOF SHEATHING OVER ROOF FRAMING PER STRUCTURAL. |
| 5. 4" EXTERIOR CONC SLAB ON COMPACTED GRADE 1/8":12 SLOPE AWAY FROM BLDG |
| 6. 2X WOOD, CONVENTIONAL ROOF FRAMING -SEE STRUCTURAL |
| 7. CONCRETE STOOP/LANDING |
| 8. STRUCTURAL WOOD BEAM, GLU-LAM, OR S4S DOUG FIR, -SEE STRUCTURAL |
| 9. 4" (2,500 PSI) CONC SLAB ON 4" ABC OVER COMPACTED SOIL. COORDINATE LOCATION, FLOOR FINISH TYPES & RECESS SLABS PRIOR TO POURING SLABS. |
| 10. CONCRETE SHRINKAGE/ CONTROL JOINT |
| 11. EXPOSED WOOD JOIST, BEAM, FRAMING MEMBER -SEE STRUCTURAL |
| 12. REINFORCED CONCRETE FOOTING PER STRUCTURAL |
| 13. SOFFIT FRAMING / FURRED-DOWN CLG, SEE RCP FOR ADDITIONAL INFORMATION |
| 14. 30' MAX HEIGHT ABOVE EXISTING, NATURAL GRADE -REFER TO CIVIL |
| 15. 2x OVERFRAMING @ OVERLAPPING ROOFS |
| 16. 2X6 WD. STUD WALL, STUDS @ 16" O.C. UNO -BEARING OR NON BEARING |
| 17. CAST IN PLACE, REINFORCED, CONCRETE RETAINING WALL, SEE WATERPROOFING SPECS & STRUCTURAL. |
| 18. BATT OR SPRAY INSULATION, SEE NOTE 'F' BELOW FOR SIZE / LOCATION INSULATION AT FOUNDATION PERIMETER |
| 19. PREFAB WOOD TRUSSES / TjIs -PER STRUCTURAL |
| 20. WOOD POST / COLUMN -SEE STRUCTURAL |
| 21. STRUCTURAL COLUMN -SEE ENGINEERING / STRUCTURAL |
| 22. SOLID BLOCKING UNDER BEARING WALL -SEE STRUCTURAL |



BARN LOFT

0 4 8 16

BARN FLOOR PLAN

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

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480 609-6766

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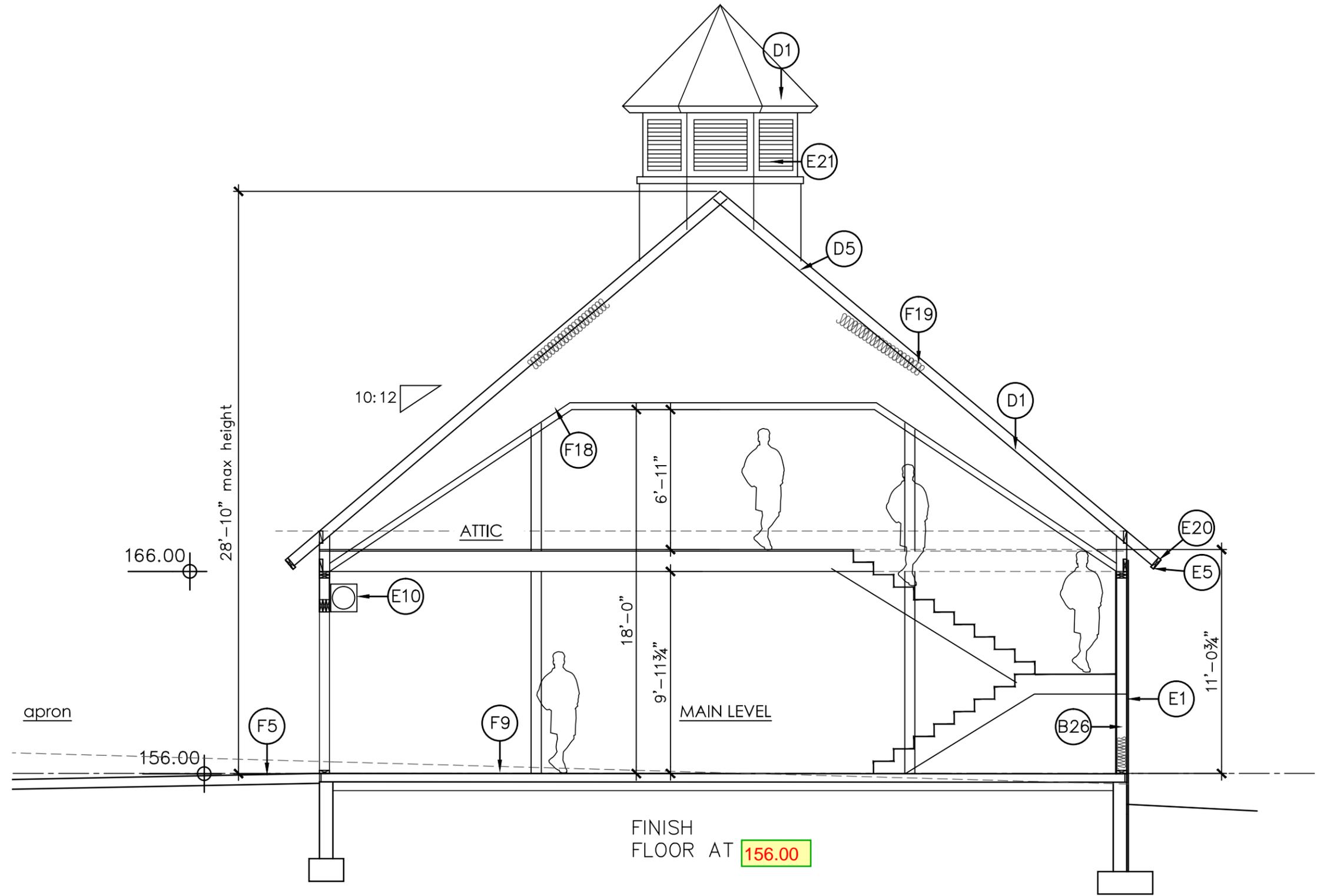
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BARN SECTION
SCALE: 3/16" = 1'-0"

REVISED 11-9-15

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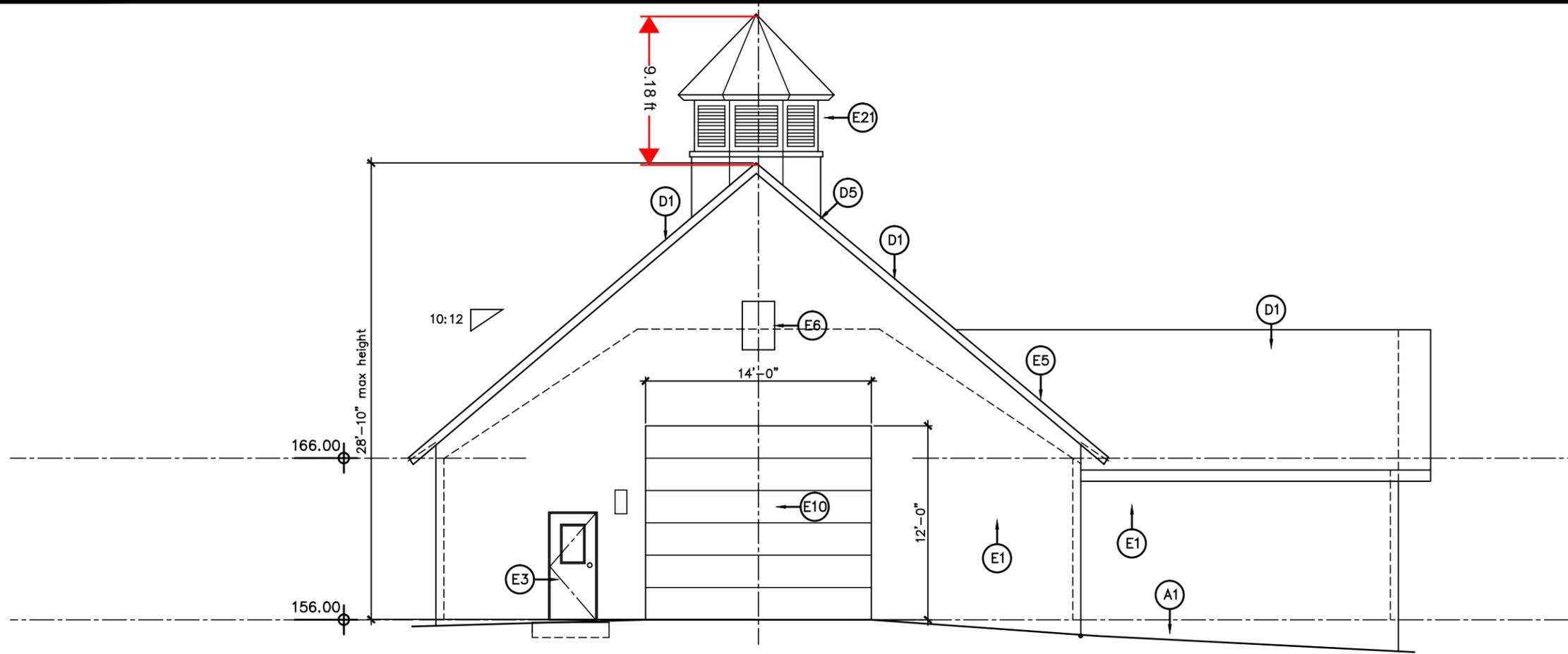
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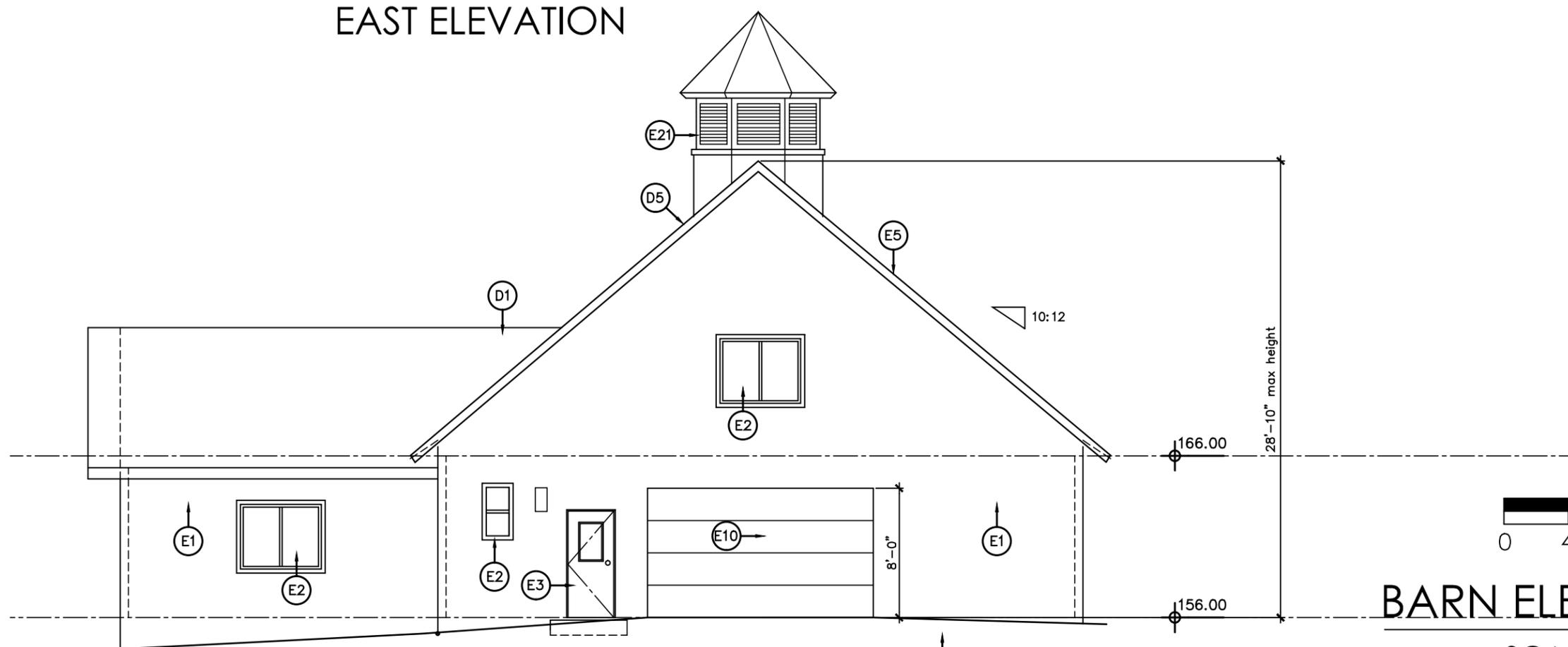
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EAST ELEVATION



WEST ELEVATION



BARN ELEVATIONS

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

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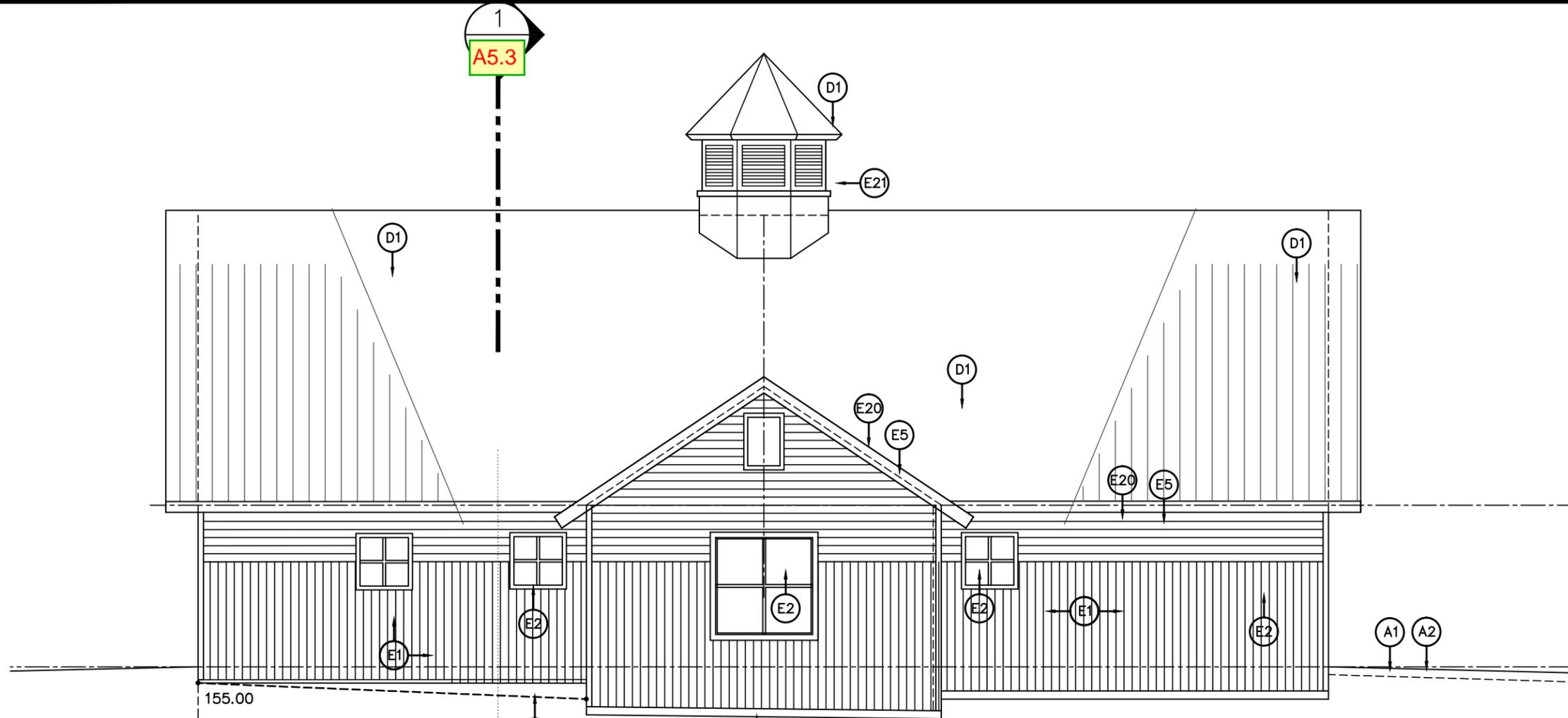
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SHEET NO. **A5.3B**
11x17

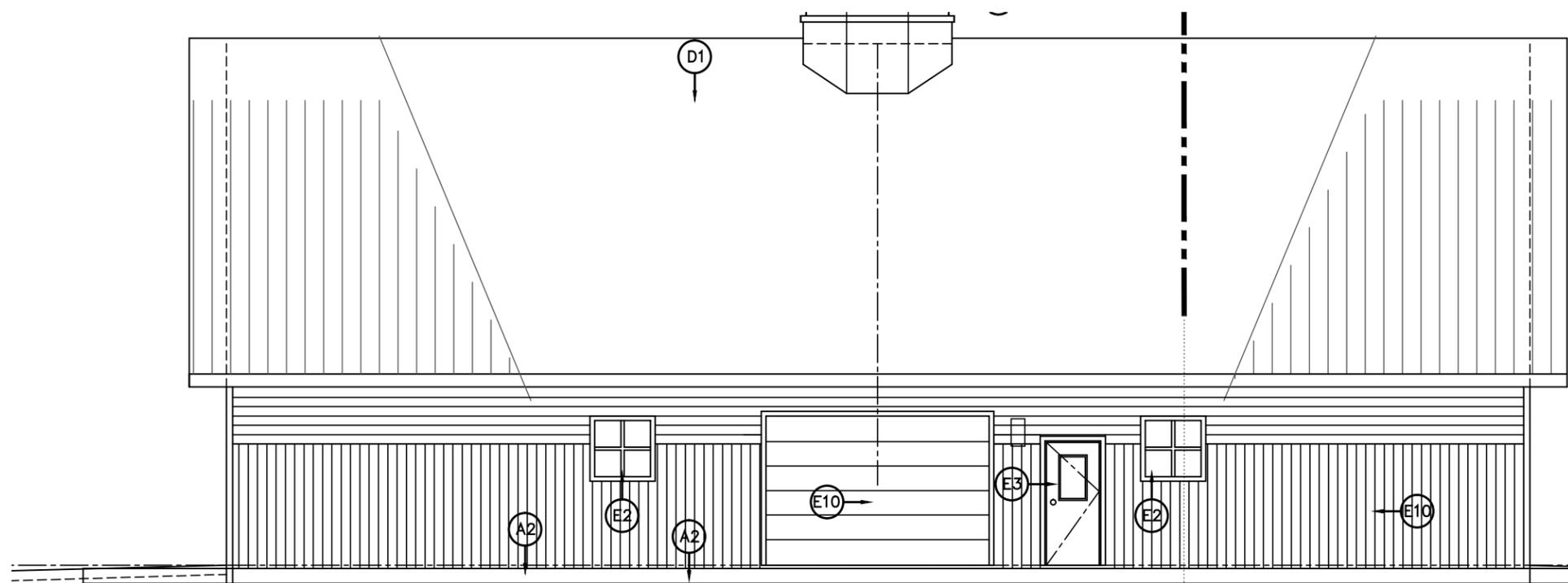
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NORTH ELEVATION



SOUTH ELEVATION



BARN ELEVATIONS

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

B PLAN

1. LINE OF ROOF
 2. TEMPERED GLASS
 3. CONCRETE CURB/TURNDOWN SLAB
 4. CUSTOM CASE WORK/CABINETS & COUNTERTOP. REFER TO SUPPLIER SHOP DRAWINGS. ARCHITECT TO APPROVE PRIOR TO FABRICATION.
 5. SHELF/ROD SYSTEM TO BE APPROVED BY OWNER.
 6. CLOSET SYSTEM SHOWN SCHEMATIC IN NATURE. REFER TO CLOSET CONSULTANT SHOP DRAWINGS FOR ADDITIONAL INFORMATION
 7. TILE SHOWER FLOOR SLOPED TO DRAIN
 8. SINK
 9. FLOOR DRAIN -VERIFY IF TRAP PRIMER REQUIRED
 10. STORAGE UNIT, WALL HUNG SHELVING/SELECTION BY OWNER
 11. WINE COOLER UNIT - DESIGN PER ARCHITECT - SEE ID DRAWINGS
 12. DRYER VENT
 13. +18" FRAMED PLATFORM FOR RETURN AIR DUCT W/ FIRE RESISTANT GWB FINISH
 14. WASHING MACHINE OUTLET BOX
 15. +18" TILED SHOWER BENCH
 16. MICROWAVE AT UPPER CABINETS
 17. 20 MIN FIRE RATED W/ SELF-CLOSING & LATCHING HINGES, SWEEP & THRESHOLD
 18. ISOKERN MAGNUM 36 OR 48 GAS FIRE PLACE w/ FLUE SYSTEM -ICC ESR 2316 - SEE DTL XXX
 19. CUSTOM TOP/SEE INTERIORS & DETAIL
 20. CUSTOM BUILT-IN LINEN CABINET
 21. UNDERCOUNTER APPLIANCE -VERIFY W/ OWNER
 22. CUSTOM BUILT-IN ENTERTAINMENT CENTER CASEWORK
 23. WOOD DECK FLOOR AT PORCH -SEE FRAMING PLAN
 24. CUSTOM STORAGE SHELVING / CABINETS - PROVIDE SHOP DWGS
 25. FRAMELESS TEMPERED GLASS SHOWER DOOR
 26. 2x6 BEARING OR NON-BEARING WOOD STUD FRAMING AT 16" O.C. SEE STRUCT.
 - 27.
 28. SCREENED OPENINGS -VERIFY W/ OWNER ON OPERATION, STYLE, ETC
 29. APPLIANCE -VERIFY W/ OWNER TYPE, STYLE, ETC.
 30. 8" CAST-IN-PLACE BASEMENT WALL (RETAINING) W/ 4" 2X WD STUD FURRING -SEE STRUCTURAL
 31. OUTDOOR SHOWER, PROVIDE PLUMB'G FREEZE PROTECTION -SEE SPECS
 32. LADDER ACCESS TO STORAGE AREA
 33. STRUCTURAL COLUMN -SEE STRUCTURAL FOR SIZE AND TYPE
 34. PREFAB STEEL STAIR SET, VERIFY W/ OWNER TYPE AND DETAILS
- C CEILING
1. 22" x 30" ATTIC ACCESS PANEL WITH 30" MIN. OF HEADROOM ABOVE. PROVIDE 3/4" PLYWOOD LID W/ 1 LAYER OF 5/8" "TYPE-X" GYP. BOARD
 2. RECESSED CEILING W/ DECO TREATMENT -WOOD CROWN OR SIM.
 3. WOOD BEAMS -STRUCTURAL OR NON-STRUCT. SEE ENGINEERING PLANS
 4. KINGPOST & ARCHED BEAM -SEE ELEVATIONS
 5. SOFFIT MOLDING PER DETAIL
 6. VERTICAL CHASE
 7. WOOD OUTRIGGERS -SEE ELEVATIONS
- D ROOF
1. STANDING SEAM METAL ROOF- VERIFY W/ OWNER TYPE AND STYLE, MAKE AND INSTALLATION -COLOR PER ARCHITECT
 2. PLYWOOD CRICKET ON SHEATHING 1/4":12 MIN SLOPE TO DRAIN
 3. LINE OF ROOF OVERHANG/ OR BUILDING BELOW (DASHED LINE)
 4. CHIMNEY CAP - CUSTOM METAL FABRICATION -DESIGN PER ARCHITECT
 5. SEE FLASHING DETAILS FOR WALL TO ROOF INTERFACE
 6. ROOF DORMER -SEE ELEVATIONS AND FRAMING
 7. WOOD BEAM OUTRIGGER(S) -SEE ELEVATIONS
 8. VENTED WOOD-FRAME ROOF CUPOLA W/ METAL ROOF --SEE ELEVATIONS
- E FINISHES & MATERIALS
1. EXTERIOR WOOD SIDING SYSTEM -VERIFY W/ LOCAL CONTRACTORS FOR SYSTEM DETAILS, INSTALLATION, AND PROVIDE SAMPLES FOR APPROVAL BY OWNER
 2. INSULATED, DUAL GLAZING LOW E TINT WINDOW SYSTEM, TYPICAL. METAL CLAD WOOD, EXTERIOR. SELECTION BY ARCHITECT
 3. EXTERIOR GRADE DOOR w/ TEMP GLAZING WHERE OCCURS- SEE DOOR SCHED.
 4. STONE SILL - SELECTION/PROFILE BY ARCHITECT
 5. METAL OR PAINTED WOOD EAVE FASCIA/ RAKE FASCIA W/ FLASHING -SEE DETAIL
 6. APPLIED DECO 'BARN DOOR GABLE VENT' -SEE DETAILS PER ARCHITECT
 7. CUT STONE SURROUND - PROFILE/SELECTION BY ARCHITECT, PROV SHOP DWGS
 8. ELECTRICAL/MECH ROOM DOORS - PAINT TO MATCH EXT FIN - SEE DOOR SCHED
 9. WEEP SCREED - SEE DTL 1/AD1
 10. METAL ROLL-UP DOOR -VERIFY W/ ARCHITECT TYPE AND STYLE
 11. EXTERIOR GRADE HOLLOW METAL MANDOOR -FINISH PER ARCHITECT
 12. 1/2" DRYWALL OVER FRAMING -NAIL PER STRUCTURAL
 13. EXTERIOR METAL DOOR - PAINT TO MATCH WOOD DOORS, SEE DOOR SCHEDULE
 14. GARAGE DOOR - WOOD CLAD paneled four or five section door w/OPTIONAL APPLIQUE. COLOR: DARK WOOD STAINED TO MATCH EXTERIOR WOOD - APPROVAL BY ARCHITECT - SEE DOOR SCHEDULE
 15. CLERESTORY WINDOWS - SEE WINDOW SCHEDULE
 17. NATURAL STONE VENEER WAINSCOTE - SELECTION BY ARCHITECT. SEE DTL
 18. TILE SURROUND - SELECTION BY ARCHITECT
 19. GRANITE TOP AT BBQ - SELECTION BY ARCHITECT
 20. METAL TRIM/DRIP EDGE
 21. WOOD FRAME CUPPOLA VENT W/ METAL ROOF -SEE DETAILS PER ARCHITECT

F STRUCTURE

1. SOLID 2x BLOCKING BETWEEN TRUSSES OR T.JIs
2. SIMPSON HANGER - SEE STRUCTURAL
3. 2x6 PONY WALL
4. 1" OR 3/4" PLYWOOD ROOF SHEATHING OVER ROOF FRAMING PER STRUCTURAL.
5. 4" EXTERIOR CONC SLAB ON COMPACTED GRADE 1/2":12 SLOPE AWAY FROM BLDG
6. 2X WOOD, CONVENTIONAL ROOF FRAMING -SEE STRUCTURAL
7. CONCRETE STOOP/LANDING
8. STRUCTURAL WOOD BEAM, GLU-LAM, OR S4S DOUG FIR, -SEE STRUCTURAL
9. 4" (2,500 PSI) CONC SLAB ON 4" ABC OVER COMPACTED SOIL. COORDINATE LOCATION, FLOOR FINISH TYPES & RECESS SLABS PRIOR TO POURING SLABS.
10. CONCRETE SHRINKAGE/ CONTROL JOINT
11. EXPOSED WOOD JOIST, BEAM, FRAMING MEMBER -SEE STRUCTURAL
12. REINFORCED CONCRETE FOOTING PER STRUCTURAL
13. SOFFIT FRAMING / FURRED-DOWN CLG, SEE RCP FOR ADDITIONAL INFORMATION
14. 30' MAX HEIGHT ABOVE EXISTING, NATURAL GRADE -REFER TO CIVIL
15. 2x OVERFRAMING @ OVERLAPPING ROOFS
16. 2X6 WD. STUD WALL, STUDS @ 16" O.C. UNO -BEARING OR NON BEARING
17. CAST IN PLACE, REINFORCED, CONCRETE RETAINING WALL, SEE WATERPROOFING SPECS & STRUCTURAL.
18. BATT OR SPRAY INSULATION, SEE NOTE 'F' BELOW FOR SIZE / LOCATION INSULATION AT FOUNDATION PERIMETER
19. PREFAB WOOD TRUSSES / T.JIs -PER STRUCTURAL
20. WOOD POST / COLUMN -SEE STRUCTURAL
21. STRUCTURAL COLUMN -SEE ENGINEERING / STRUCTURAL
22. SOLID BLOCKING UNDER BEARING WALL -SEE STRUCTURAL

G MECHANICAL

1. EXTERIOR MECHANICAL A/C UNIT
2. HIGH EFFICIENCY DIRECT VENT NATURAL GAS AIR HANDLER UNIT PER HVAC
3. HIGH EFFICIENCY GAS WATER HEATER w/ RECIRC PUMP. PROVIDE T&P VALVE +6" OVER GRADE AS REQ'D. PROVIDE COMBUSTION AIR AS REQD, SEE MECHANICAL. PROVIDE GALV DRAIN PAN PER (P2801.5) AS REQ'D & WP PAN DRAIN-LINE SHALL TERMINATE PER (P2801.5.2)
4. EXHAUST FAN WITHIN RANGE HOOD VENTED DIRECTLY TO EXTERIOR THRU ROOF PER M1505.6
5. SOFT WATER EQUIPMENT BY OTHERS
6. NOT USED
7. THE HOT WATER CIRCULATING SYSTEM SHALL BE EQUIPPED WITH AN AUTOMATIC OR READILY ACCESSIBLE MANUAL ON SWITCH AND A TEMPERATURE SENSOR ACTIVATED SHUT-OFF THAT CAN AUTOMATICALLY TURN OFF HOT-WATER CIRCULATING PUMP WHEN THE SET TEMPERATURE IS REACHED N1103.4.1 AMENDED
8. PROVIDE MIN. R-3 INSULATION ON HOT WATER PIPES N1103.4
9. FLOOR DRAIN -TO DAYLIGHT PER LOCAL STANDARDS

H ELECTRICAL

1. ELECTRICAL SERVICE ENTRANCE. SEE ELECTRICAL PLANS FOR ADDITIONAL INFO.
2. ELECTRICAL SUB PANEL. SEE ELECTRICAL PANEL SCHEDULE

Craig Wickersham Inc.

15863 N. Greenway-Hayden Lp.
Suite 118
Scottsdale, AZ 85260
480 609-6766

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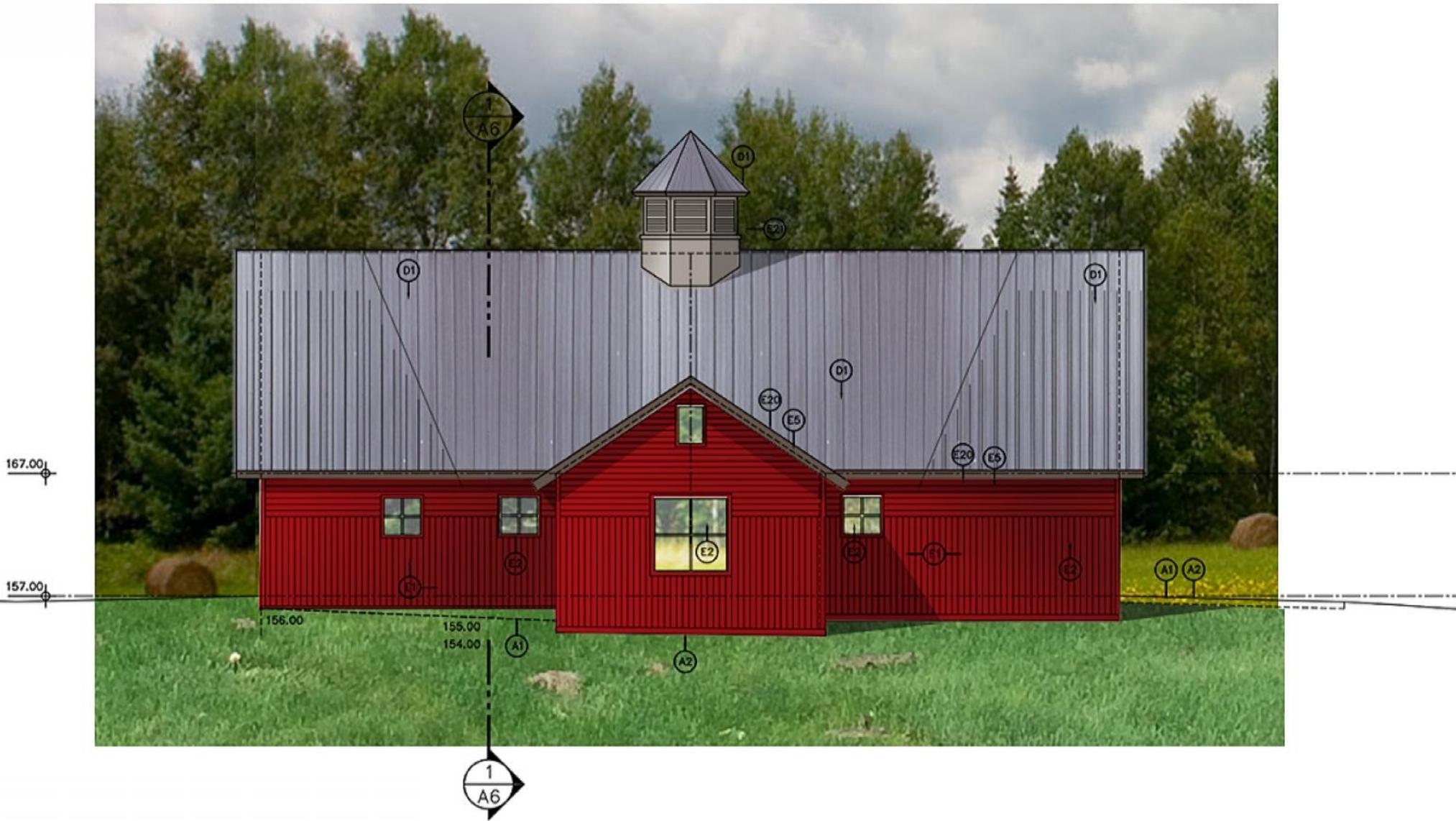
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**TILLER RESIDENCE
CHARLOTTE, VT**

■ REVISED 11-9-15 ■
JOB NO. 1413 SHEET NO. A5.3C
DATE: 2014
SCALE: AS SHOWN
DRAWN: WCW
CHECKED: WCW
11x17
PLAN CHECK NO. XXXX

BARN KEYNOTES

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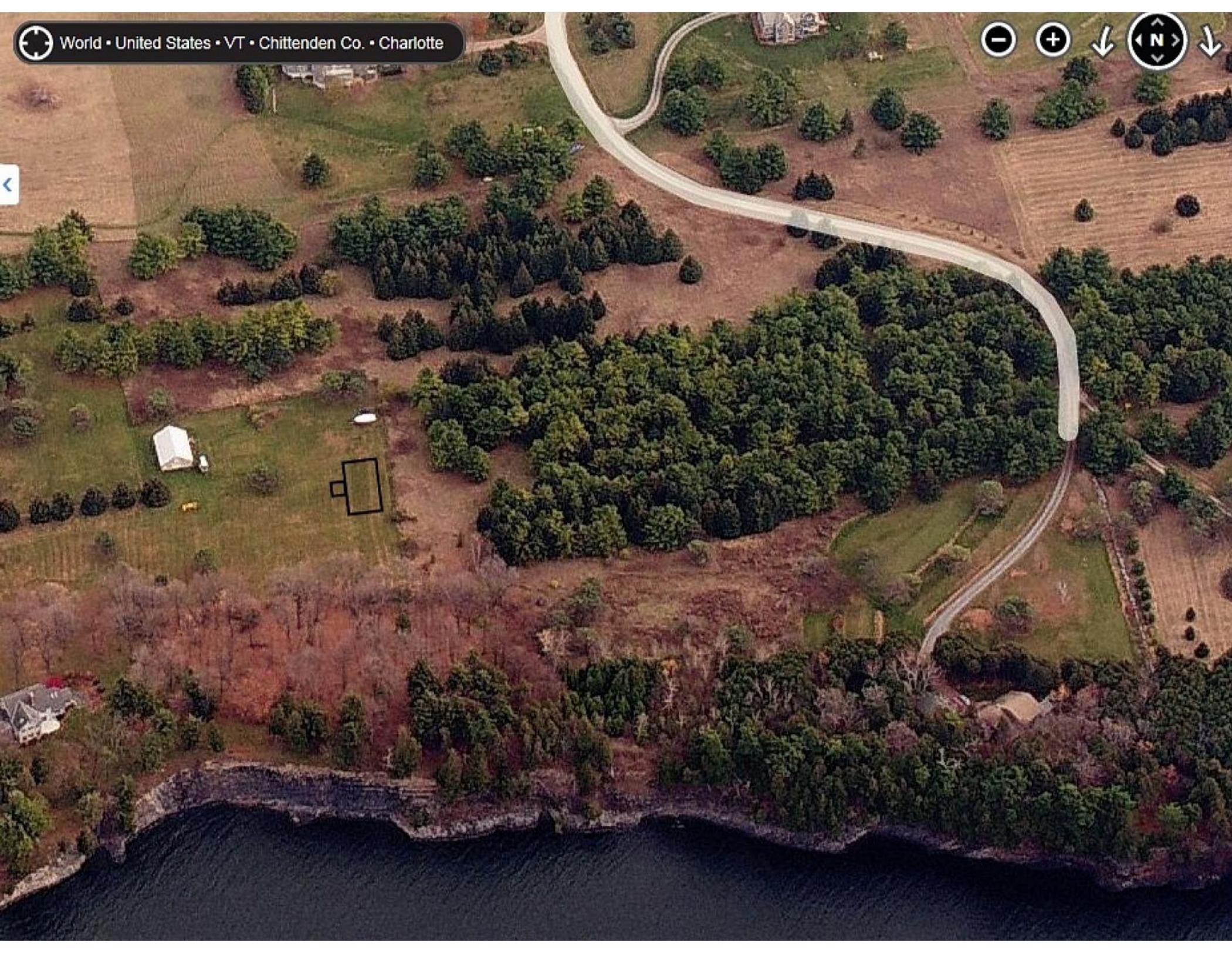


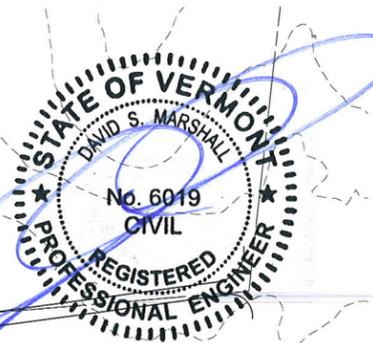
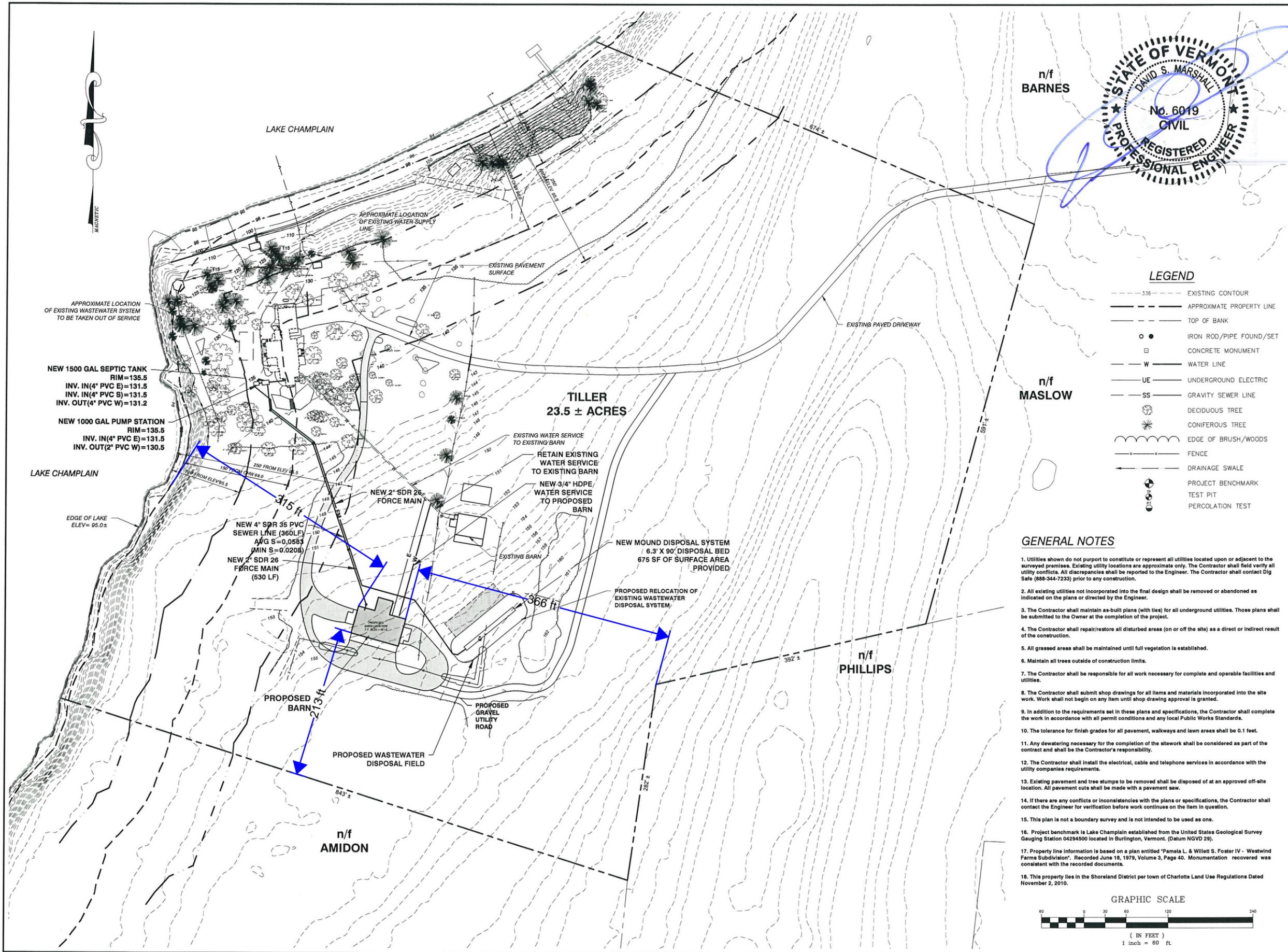
TILLER RESIDENCE CHARLOTTE 'THE BARN'

NORTH ELEVATION 1/8"

Craig Wickersham, Inc

12-4-15 





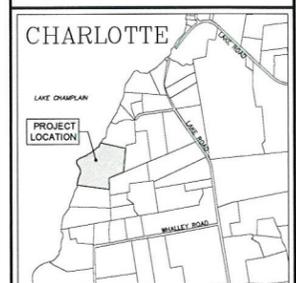
SITE ENGINEER:

 CIVIL ENGINEERING ASSOCIATES, INC.
 10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
 802-864-2323 FAX: 802-864-2271 web: www.ces-vc.com
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DRAWN: MAB
 CHECKED: JLM
 APPROVED: JLM

OWNER:
THOMAS & MICHELLE TILLER
 362 HOLMES ROAD
 CHARLOTTE VERMONT

PROJECT:
THOMAS & MICHELLE TILLER
 362 HOLMES ROAD
 CHARLOTTE VERMONT



LOCATION MAP
 1" = 2000'

| DATE | CHECKED | REVISION |
|------|---------|----------|
| | | |
| | | |
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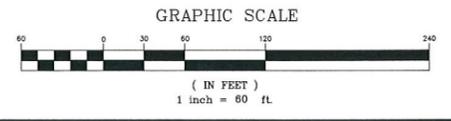
PROPOSED BARN SITE PLAN

DATE: OCT., 2015
 SCALE: 1" = 60'
 PROJ. NO. 13229
 DRAWING NUMBER: **C1.0**

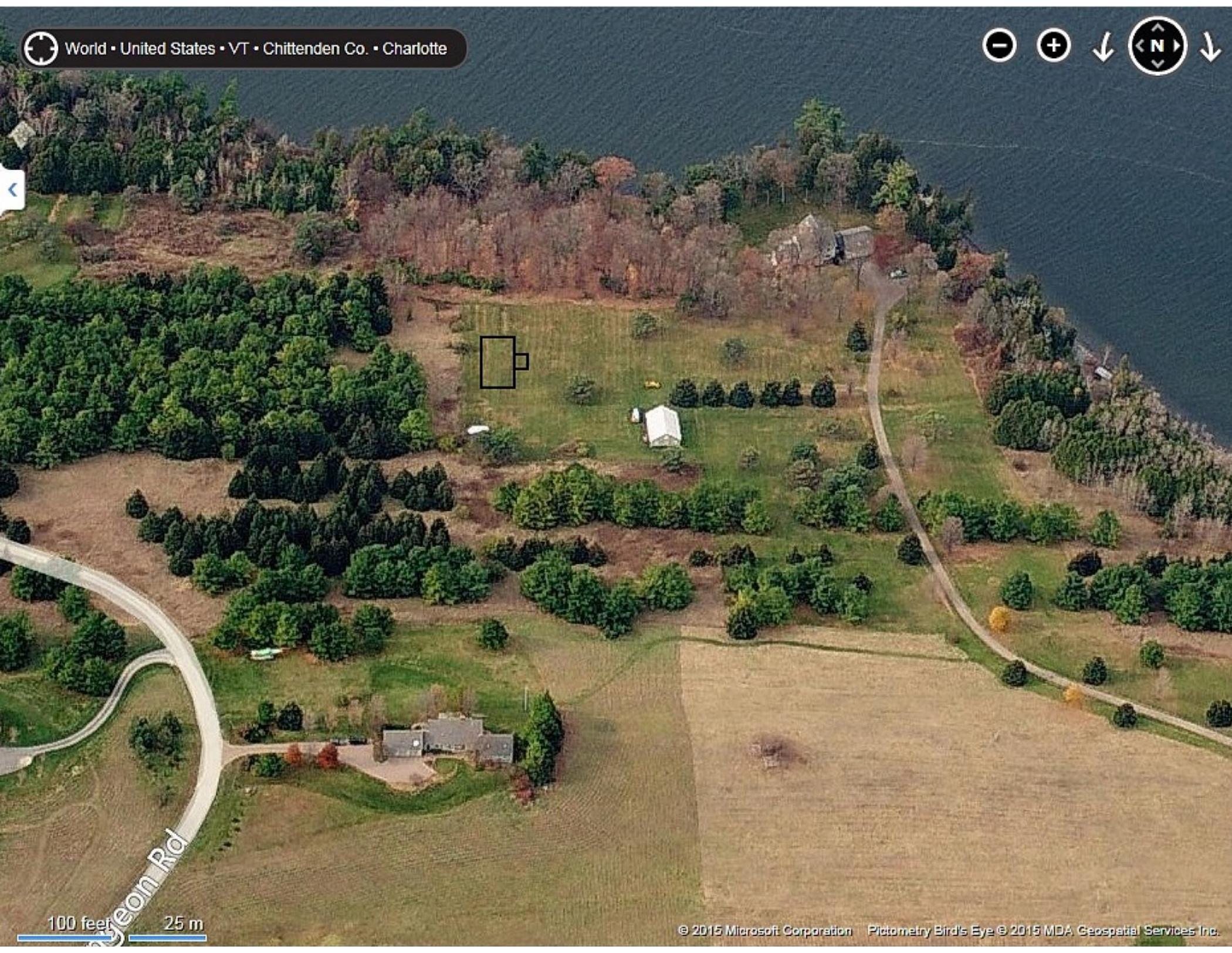
LEGEND

| | |
|---------|---------------------------|
| --- | EXISTING CONTOUR |
| - - - - | APPROXIMATE PROPERTY LINE |
| - - - - | TOP OF BANK |
| ○ ● | IRON ROD/PIPE FOUND/SET |
| □ | CONCRETE MONUMENT |
| — W — | WATER LINE |
| — UE — | UNDERGROUND ELECTRIC |
| — SS — | GRAVITY SEWER LINE |
| ○ | DECIDUOUS TREE |
| ★ | CONIFEROUS TREE |
| ~~~~~ | EDGE OF BRUSH/WOODS |
| — | FENCE |
| — | DRAINAGE SWALE |
| ⊕ | PROJECT BENCHMARK |
| ⊕ | TEST PIT |
| ⊕ | PERCOLATION TEST |

- GENERAL NOTES**
- Utilities shown do not purport to constitute or represent all utilities located upon or adjacent to the surveyed premises. Existing utility locations are approximate only. The Contractor shall field verify all utility conflicts. All discrepancies shall be reported to the Engineer. The Contractor shall contact Dig Safe (888-344-7233) prior to any construction.
 - All existing utilities not incorporated into the final design shall be removed or abandoned as indicated on the plans or directed by the Engineer.
 - The Contractor shall maintain as-built plans (with ties) for all underground utilities. Those plans shall be submitted to the Owner at the completion of the project.
 - The Contractor shall repair/restore all disturbed areas (on or off the site) as a direct or indirect result of the construction.
 - All grassed areas shall be maintained until full vegetation is established.
 - Maintain all trees outside of construction limits.
 - The Contractor shall be responsible for all work necessary for complete and operable facilities and utilities.
 - The Contractor shall submit shop drawings for all items and materials incorporated into the site work. Work shall not begin on any item until shop drawing approval is granted.
 - In addition to the requirements set in these plans and specifications, the Contractor shall complete the work in accordance with all permit conditions and any local Public Works Standards.
 - The tolerance for finish grades for all pavement, walkways and lawn areas shall be 0.1 feet.
 - Any dewatering necessary for the completion of the sitework shall be considered as part of the contract and shall be the Contractor's responsibility.
 - The Contractor shall install the electrical, cable and telephone services in accordance with the utility companies requirements.
 - Existing pavement and tree stumps to be removed shall be disposed of at an approved off-site location. All pavement cuts shall be made with a pavement saw.
 - If there are any conflicts or inconsistencies with the plans or specifications, the Contractor shall contact the Engineer for verification before work continues on the item in question.
 - This plan is not a boundary survey and is not intended to be used as one.
 - Project benchmark is Lake Champlain established from the United States Geological Survey Gauging Station 04294500 located in Burlington, Vermont. (Datum NGVD 29).
 - Property line information is based on a plan entitled "Pamela L. & Willett S. Foster IV - Westwind Farms Subdivision". Recorded June 18, 1979, Volume 3, Page 40. Monumentation recovered was consistent with the recorded documents.
 - This property lies in the Shoreland District per town of Charlotte Land Use Regulations Dated November 2, 2010.



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100 feet 25 m