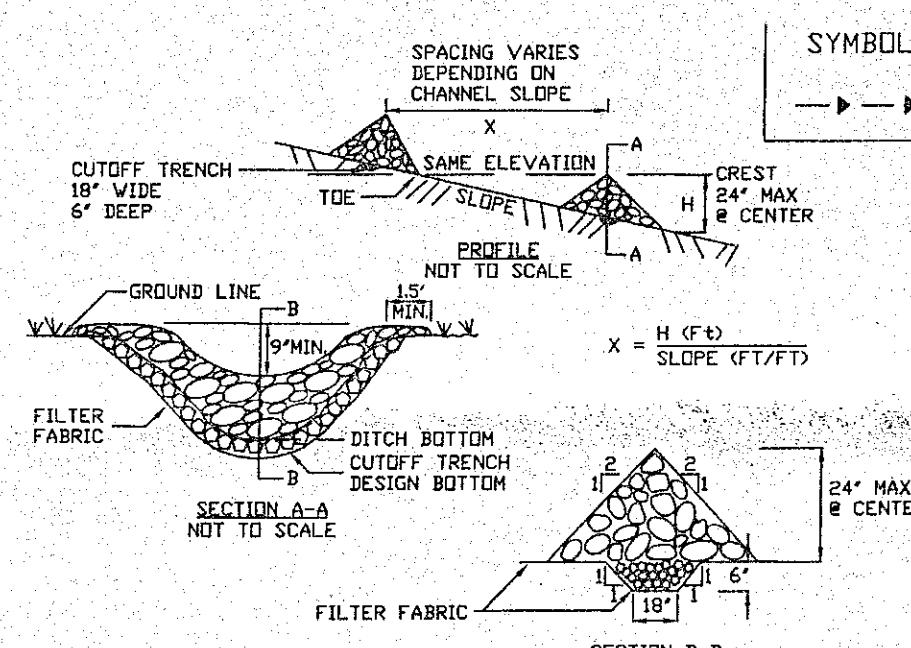


### CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BEHIND THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5% SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED INTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

## Stabilized Construction Entrance

Not to Scale



### CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
- SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 15 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

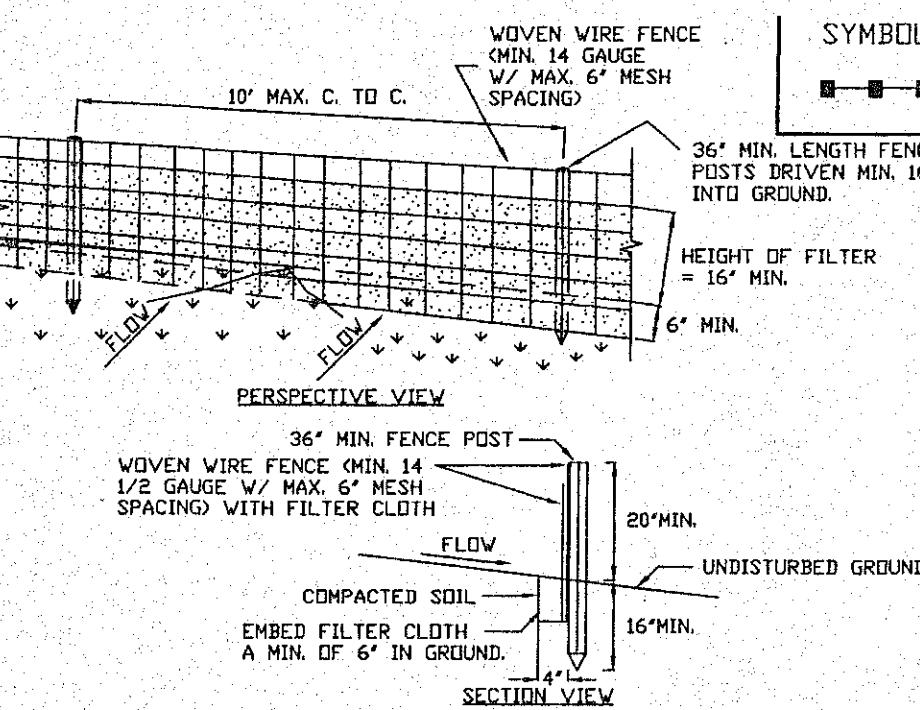
## Check Dam

Not to Scale

## Seed Mix & Rates

Per NYSDEC 'Blue Book' Specifications

Species (% by weight)	lbs./ 1,000 sq. ft.	lbs. acre
65% Kentucky bluegrass blend	2.0 - 2.6	85 - 114
20% perennial ryegrass	0.6 - 0.8	26 - 35
15% fine fescue	0.4 - 0.6	19 - 26
Total =	3.0 - 4.0	130 - 175
or;		
100% Tall fescue, Turf-type, fine leaf	3.4 - 4.6	150 - 200



### CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 'T' OR 'U' TYPE OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKEN T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOPAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

## Silt Fence Detail

Not to Scale

## Mulch Materials, Rates & Uses

Per NYSDEC 'Blue Book' Specifications

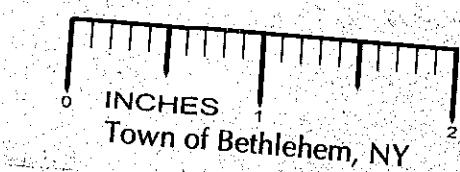
Mulch Material	Quality Standards	per 1000 Sq. Ft.	per Acre	Depth of Application	Remarks
Wood chips or shavings	Air-dried. Free of objectionable coarse material.	500-900 lbs.	10-20 tons	2-7"	Used primarily around shrub and tree plantings and recreation trails to inhibit weed competition. Resistant to wind blowing. Decomposes slowly.
Gravel, Crushed Stone or Slag	Washed; Size 2B or 3A-1 1/2"	9 cu. yds.	405 cu. yds.	3"	Excellent mulch for short slopes and ground plants and ornamentals. Use 2B where subject to traffic. (Approximately 2,000 lbs./cu. yd.). Frequently used over filter fabric for better weed control.
Hay or Straw	Air-dried, free of undesirable seeds & coarse materials	90-100 lbs. 2-3 bales	2 tons (100-120 bales)	cover about 90% surface	Use small grain straw where mulch is maintained for more than three months. Subject to wind blowing unless anchored. Most commonly used mulching material. Provides the best micro-environment for germinating seeds.
Jute twisted yarn	Undyed, unbleached plain weave. Warp 78 ends/s.d., Weft 41 ends/yd. 60-90 lbs/roll	48" x 50 yds. or 48" x 75 yds.	—	—	Use without additional mulch. Tie down as per manufacturers specifications. Good for center line of concentrated water flow.

## ADDITIONAL E&SC MEASURES

- Mulch all disturbed Non-Driving Areas of the site within 2 working days of disturbance.
- Contractor shall utilize water on all Driving Areas to provide for Dust Control for the duration of the project.
- To the maximum extent practicable, the Contractor shall protect all trees, shrubs, ground cover and other vegetation from damage by construction equipment.
- Maintain Erosion & Sediment Control practices for the duration of construction operations until all seeding and other vegetation has been established.
- Use a cultipacker type seeder if possible. Seed to a depth of 1/8" to 1/4". If seed is to be broadcast, cultipack or roll after seeding. If hydroseeded, lime and fertilizer may be applied through the seeder.
- When using the cultipacker or broadcast seed method, mulch using small grain straw, applied at a rate of two (2) tons per acre; and anchor with a netting or tackifier. Hydroseed applications should include mulch, fertilizer and seed.

## E&SC SEQUENCING

- Contractor to Obtain Building and Grading Permit from Town.
- Install Stabilized Entrance and Silt fencing
- Strip and Stockpile Topsoil & Seed/ Mulch within 14 days
- Apply Temporary Seed & Mulch on Right-of-Way (90% Surface Coverage)
- Install Concrete Washout
- Excavate for Foundation & Temporarily Stockpile Soil
- Contractor and all Subcontractors Shall Utilize the Concrete Washout Area prior to Leaving the Site
- Backfill House Foundation and Perform Rough Grading
- Mulch All Exposed Soil Areas
- Contractor Shall Maintain All Erosion & Sediment Control Measures for Entire Duration of Construction Activities



PLANNING BOARD  
TOWN OF BETHLEHEM  
ALBANY COUNTY, NEW YORK

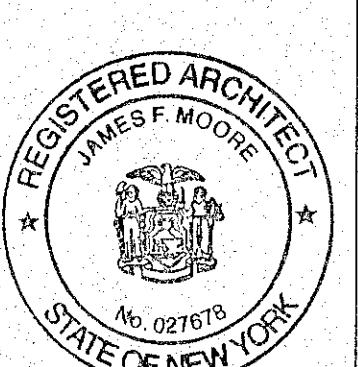
This Site Plan Approved:  
*George F. Moore*  
Title: CHAIRMAN

Date: 11/9/2011 SPA 167 SV13

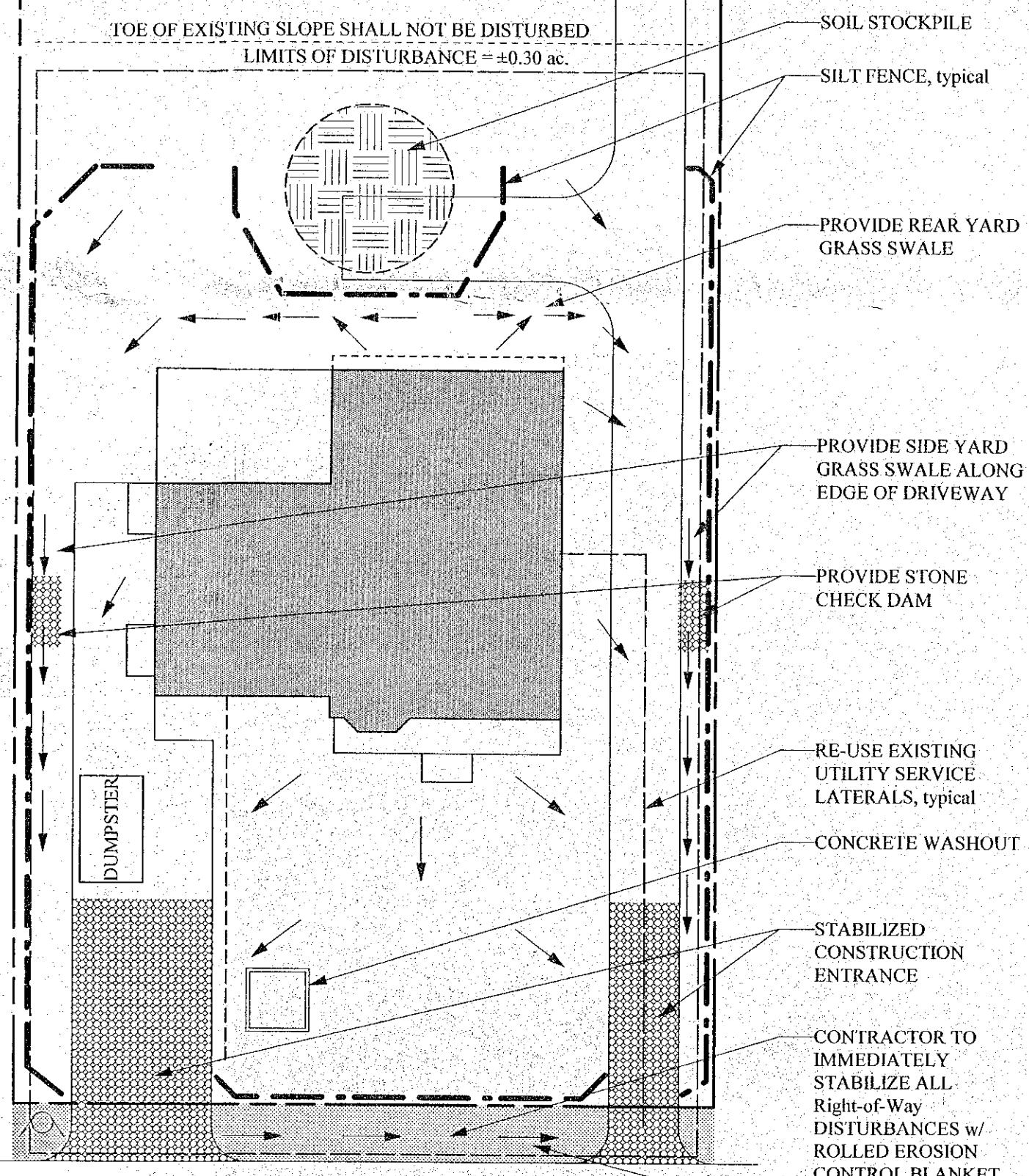
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*James F. Moore*  
James F. Moore, RA, NYS #027678



## KRUMKILL ROAD

## Erosion & Sediment Control Plan

1  
A10  
Scale: 1" = 20 ft

'General Conditions of the Work' apply to all contractors and subcontractors performing work. Read all specifications and notes prior to commencing Work.

ES1

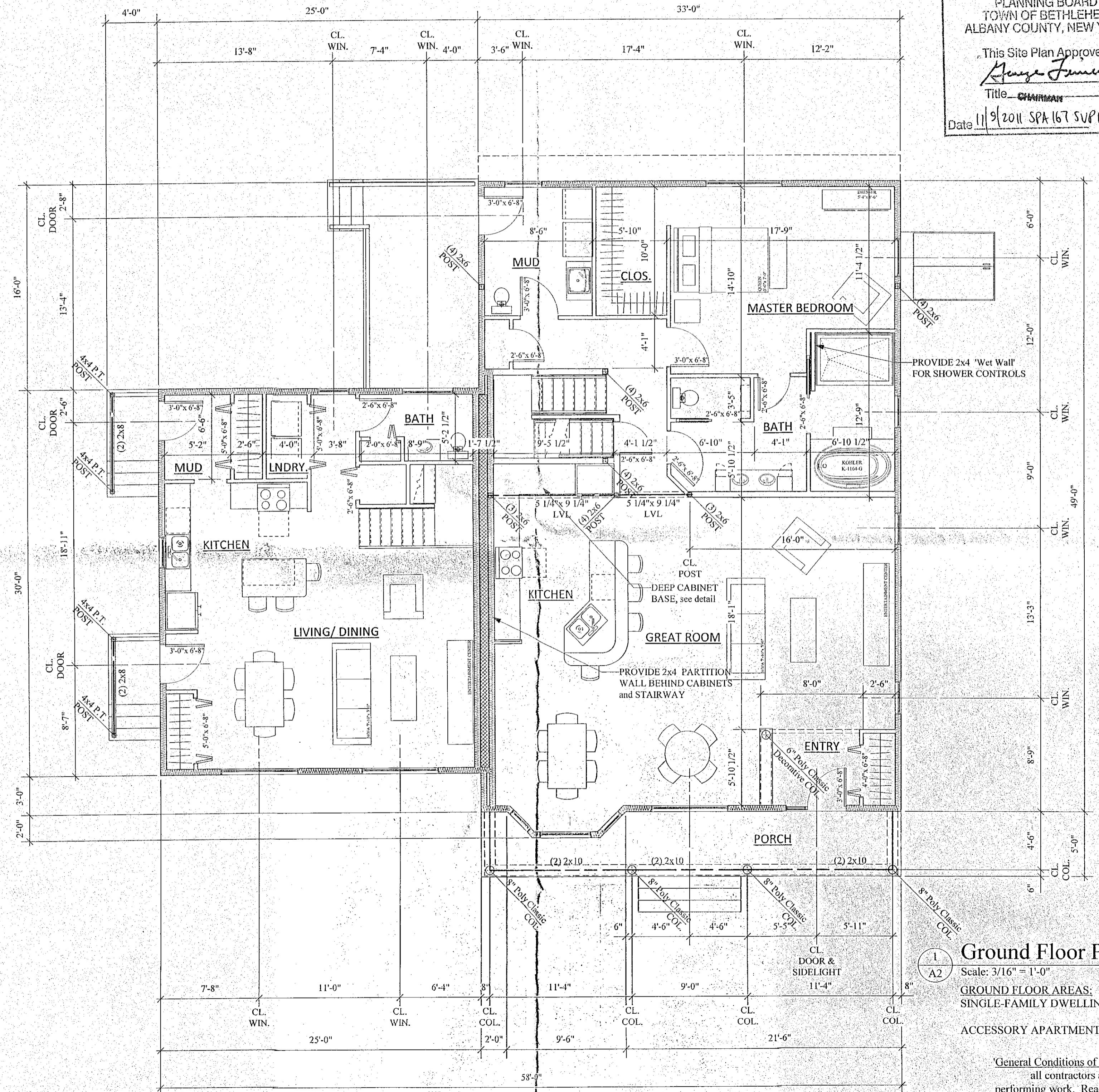
Q-1

Chainyk Residence  
447 Krumkill Road  
for: D.A. Chainyk  
Albany County  
RECEIVED  
NOV 9 2011  
Town of Bethlehem  
Planning Board

Moore Architecture  
12 Highland Drive  
East Greenbush, NY 12061  
tel. 518.441.3368  
www.moorearchitecture.net

Date: September 17, 2010  
Project #: 10003  
Drawn by: J. Moore  
Issued:  
9/17/10 - Foundation Permit &  
Planning Board Review  
10/29/10 - Planning Board Review

## Erosion & Sediment Control Measures

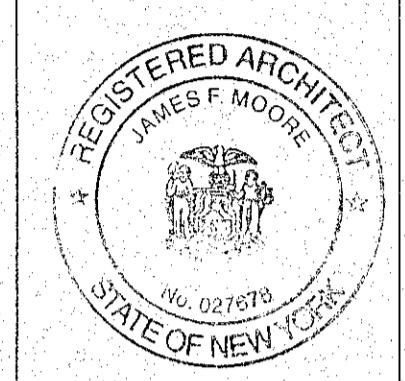


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## Ground Floor Plan

Scale: 3/16" = 1'-0"

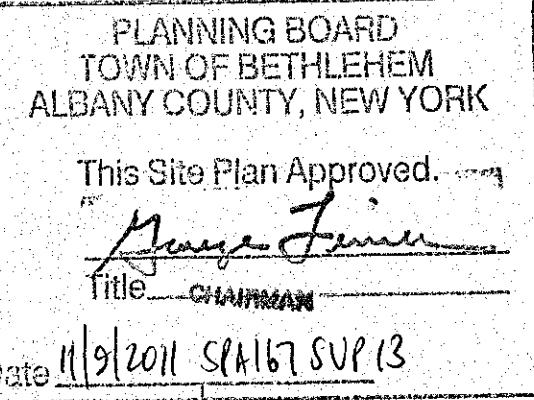
GROUND FLOOR AREAS:  
SINGLE-FAMILY DWELLING = 1,630 sf

ACCESSORY APARTMENT = 750 sf

**'General Conditions of the Work'** apply to all contractors and subcontractors performing work. Read all specifications and notes prior to commencing Work.

## Ground Floor Plan

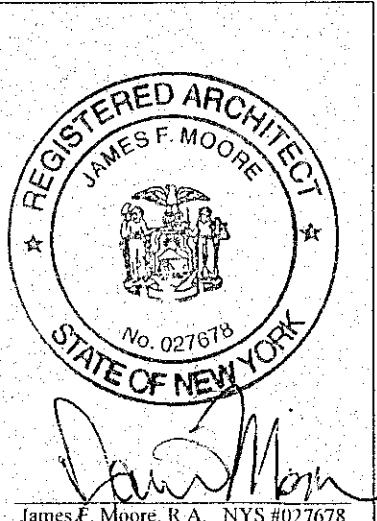
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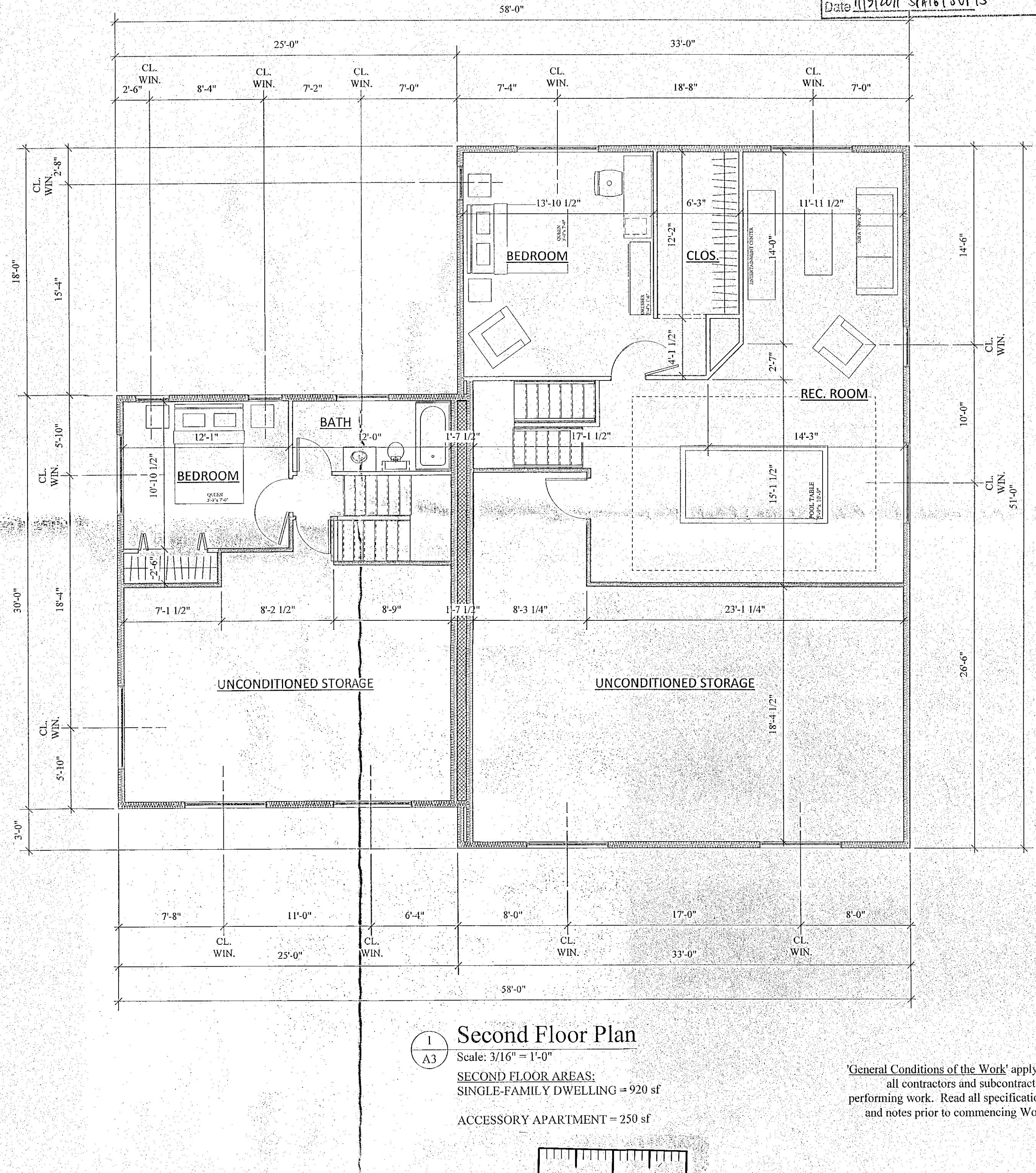
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Second Floor Plan  
& Notes

A3



#### PLUMBING NOTES:

- Refer to notes regarding "GENERAL CONDITIONS OF THE WORK"
- As a minimum, all work shall conform to the Residential Building Code of New York State, and other applicable codes.
- Plumbing fixtures and accessories to be selected by Owner and installed by Contractor.
- Underground/ under slab drain trenches to be backfilled with 4" of Item 4 stone. All sewer lines to be below the frostline. Trenches to be clear of debris, sharp rocks and organic material.
- Do not route drain lines through footings. Provide minimum 2% slope for storm and sanitary sewer-laterals.
- For ABS and PVC drain piping, provide horizontal supports @ a maximum of 4'-0" on center. Provide vertical supports @ a maximum of 10'-0" on center. Wrap drainpipe with insulation at each pipe support for sound dampening.
- Install steel nail guards where lines run less than 1 1/4" from the face of studs or joists.
- Provide ball valve for water service main shutoff (if not existing).
- Provide cutoff valves on hot and cold lines on the supply side of each fixture, hose bibb, appliance, etc.
- Supply piping passing under a footing to have a minimum 2" clearance from the bottom of the footing.
- Replace all existing polybutylene (PB) water supply piping with approved pipe material.
- Provide pipe support with approved hangers for water supply lines as follows;
  - Copper (1 1/4" or smaller) - 6'-0" o.c. max. horizontal, 10'-0" o.c. max. vertical
  - PEX - 32" o.c. max. horiz., 10'-0" o.c. max. vertical

#### HVAC NOTES:

- Refer to notes regarding "GENERAL CONDITIONS OF THE WORK"
- As a minimum, all work shall conform to the Residential Building Code of New York State, and other applicable codes.
- Owner may choose to perform a Home Energy Assessment as defined by The Home Performance with ENERGY STAR initiative as sponsored by the New York State Energy & Research Development Authority (NYSERDA) as part of the New York Energy Smart Program. General Contractor/ Construction Manager may have to coordinate with Owner's chosen HVAC subcontractor.
- HVAC Contractor to provide sizing calculations and installation for new heating system. DO NOT OVERSIZE EQUIPMENT. SYSTEM DISTRIBUTION AND EQUIPMENT SHALL NOT INTERFERE WITH THE ARCHITECTURAL DESIGN WITHOUT PRIOR CONSENT FROM ARCHITECT.
- Heating system for addition and renovation area to be hydronic system provided on a separate zone, as directed by Owner. Routing for all supply/ return lines to be only within fully conditioned space.
- Provide door undercuts at all interior entrances to exhausted spaces.
- Properly seal any penetrations through fire and/or smoke rated partitions with U.L. approved methods and materials.
- Unless otherwise indicated, mount thermostats at 48" a.f.f. to center line.
- Provide carbon monoxide and smoke detectors as required by New York State Building Codes.
- Draw combustion air from outside sources, away from outdoor chloride sources such as swimming pools and dryer vents.

'General Conditions of the Work' apply to  
all contractors and subcontractors  
performing work. Read all specifications  
and notes prior to commencing Work.

Q-4