

Plumbing Overview 1

Solid Line denotes Suction Side of the system

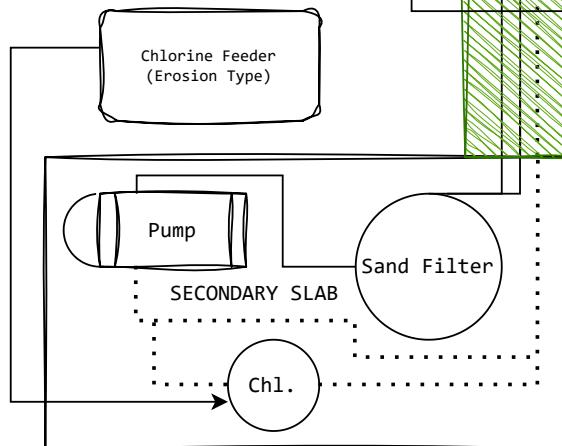
Dotted Line denotes Pressure Side of the system

* System to be piped in SCH 40 PVC 1" 1/4 in compliance with local code requirements.

** Trenches are to be below frostline, with a base of permeable fill then topped with sand.

*** Portion of Main Drain line under slab to be sleeved inside of 4" Perforated PVC for hydrostatic relief and water table changes

**** NOT TO SCALE ****



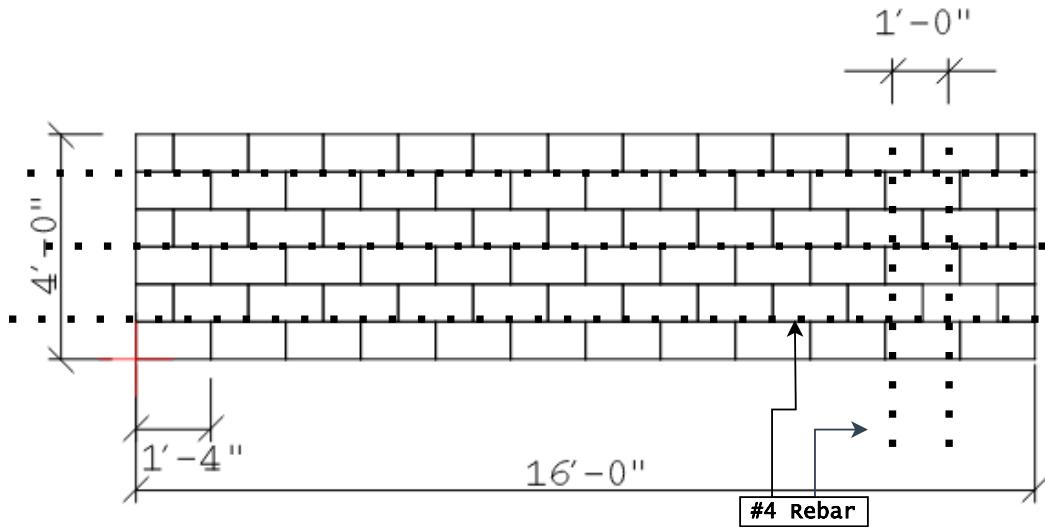
CMU POOL

Cruz Wootten
17575 Parrot Drive
Reno, Nevada
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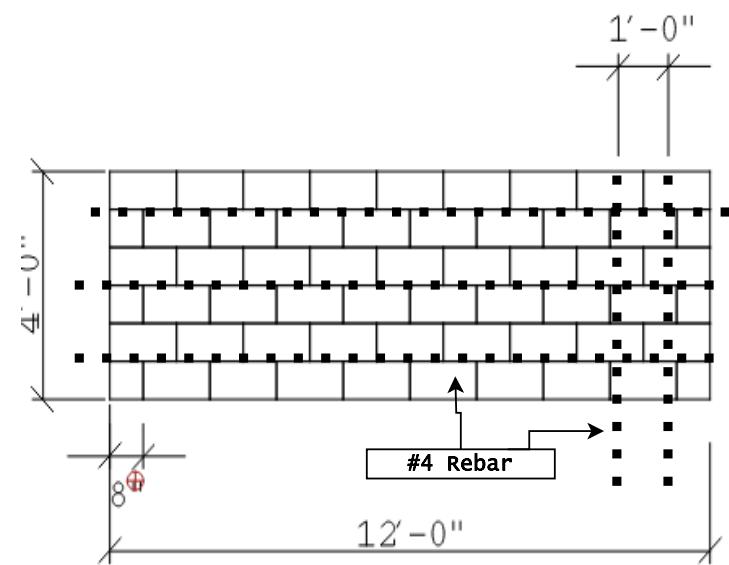
PLUMB
P1.01

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Block Layout (East & West Elevations)



Block Layout (North & South Elevations)



Structural 3.04

- * All slabs to use #4 Rebar
- * Vibrated concrete for CMU cells on all vertical walls
- * Standard CMU 8" x 8" x 16"
- * Offset each block
- * Verticals should be +/- 12" spaced

** NOT TO SCALE **

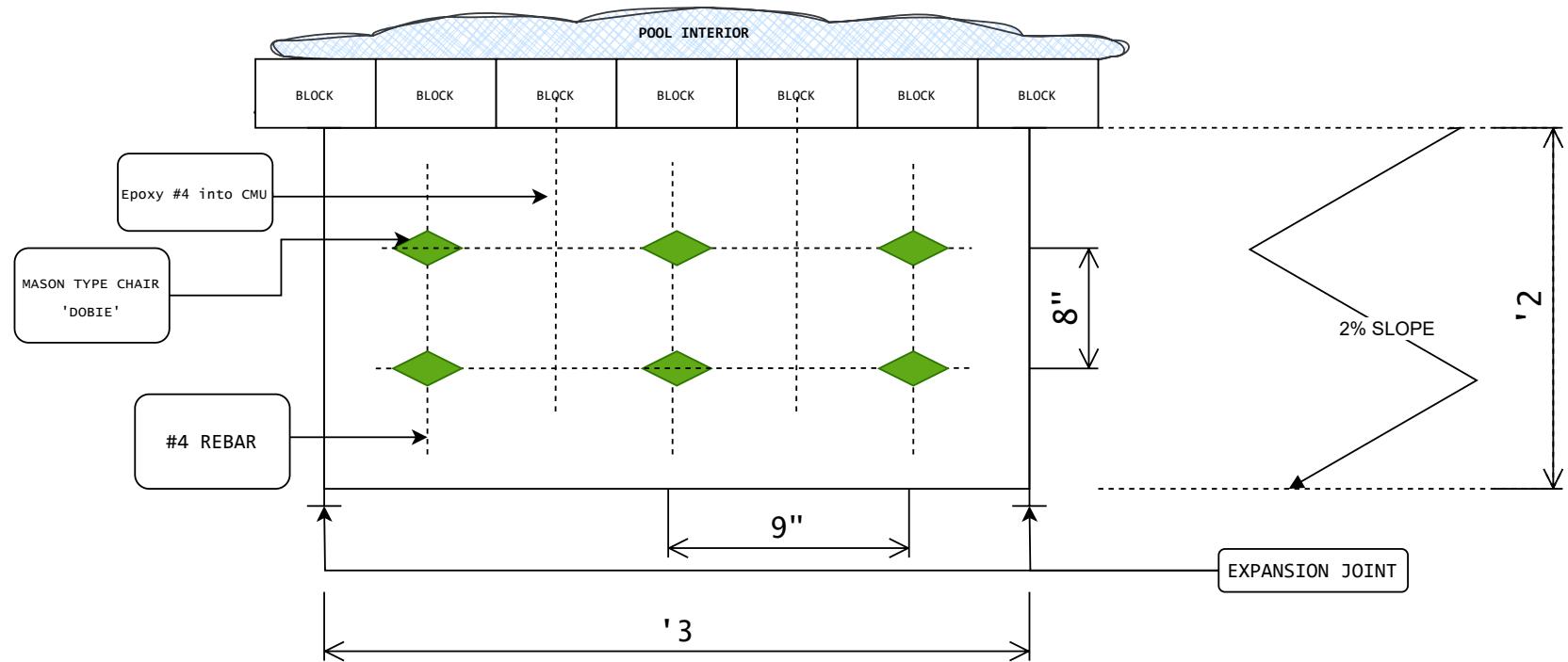
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Structural
S3.04

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WALKWAY DETAIL (SINGLE FLAG)



Structural 3.03

- * All slabs to use #4 Rebar
- * All steel shall have a minimum 6" clearance from surrounding earth and forms before concrete pour
- * Repeat this detail for every flag

** NOT TO SCALE **

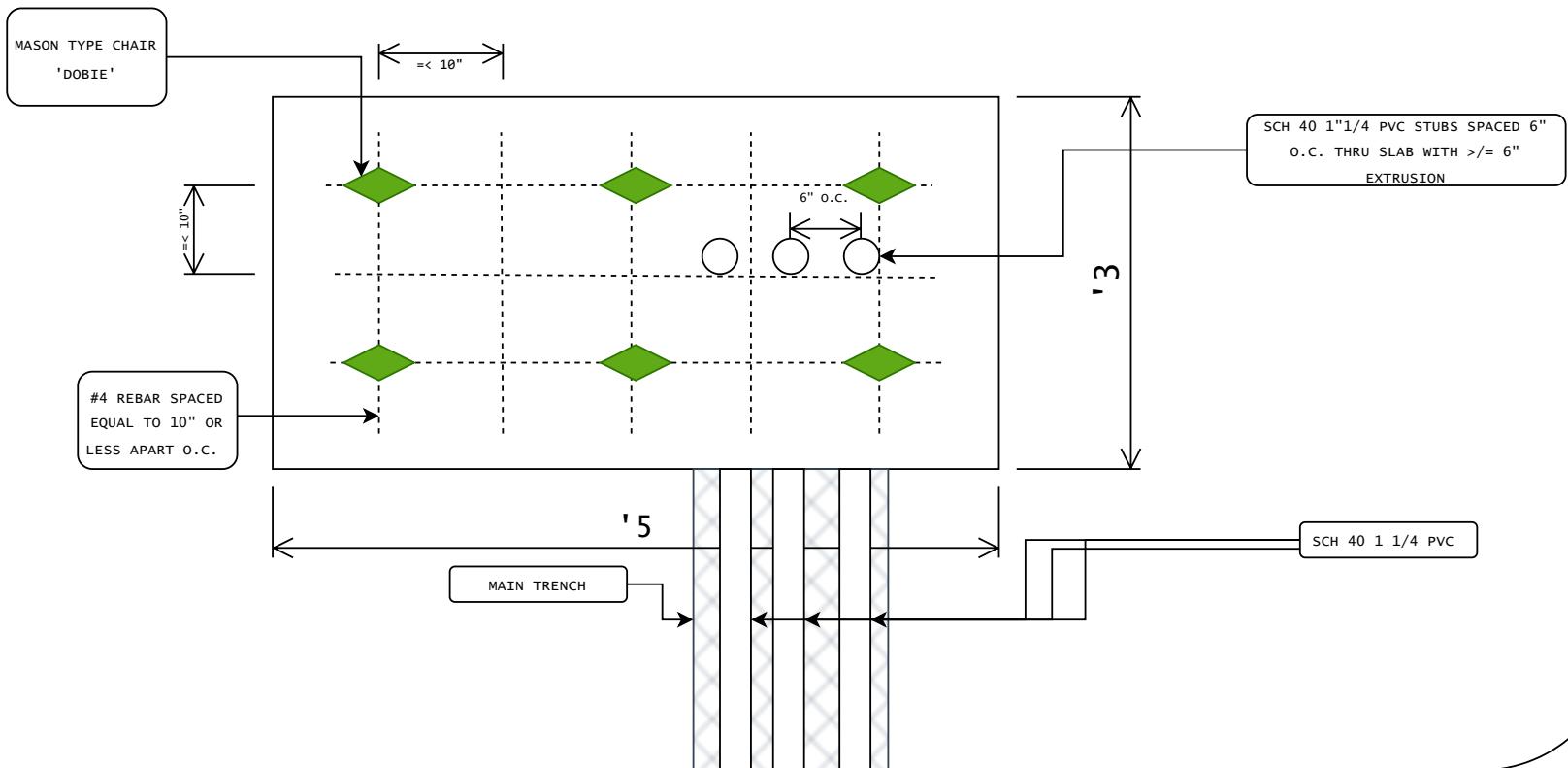
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Structural
S3.03

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SECONDARY SLAB



Structural 3.02

* All slabs to use #4 Rebar

* All steel shall have a minimum 6" clearance from surrounding earth and forms before concrete pour

** NOT TO SCALE **

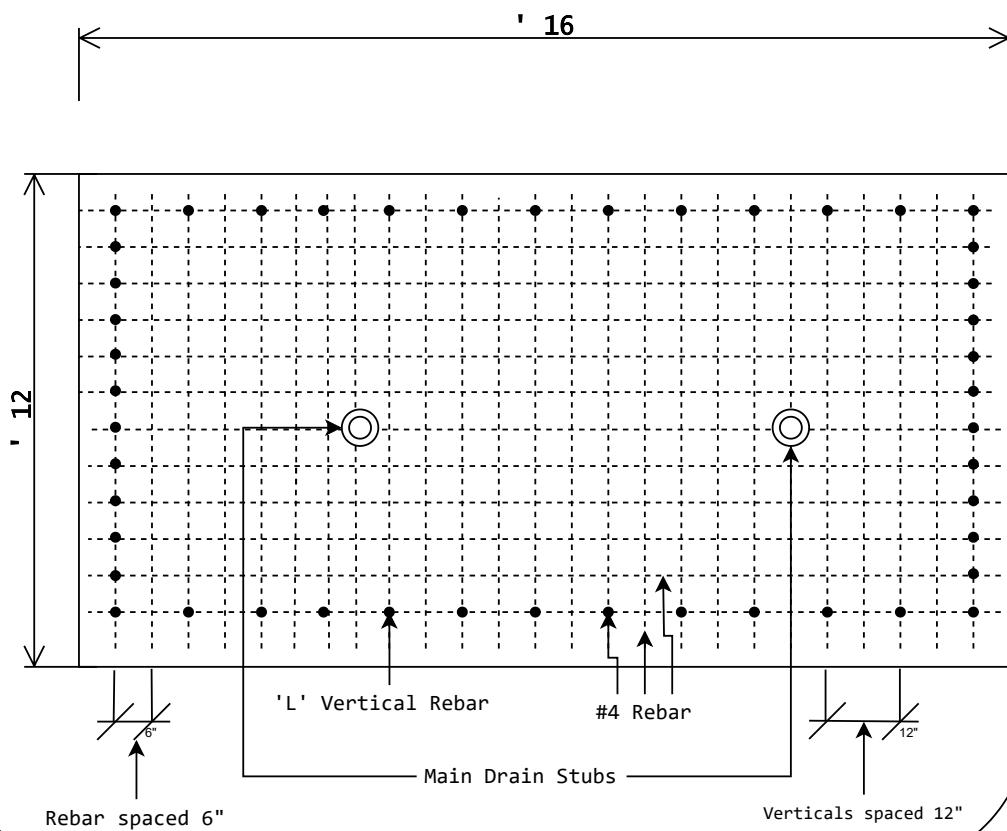
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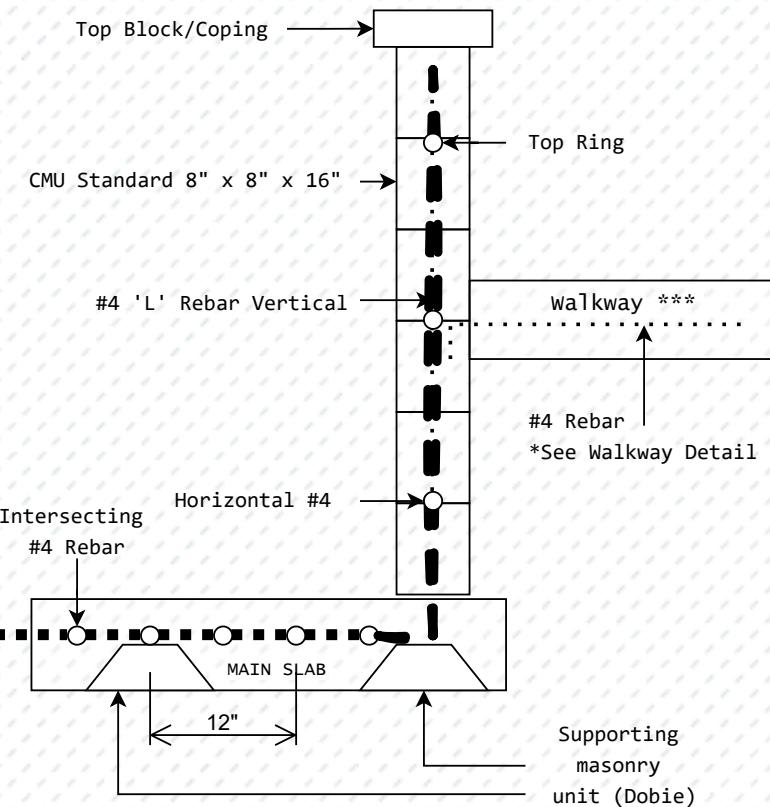
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MAIN SLAB



Cross Section



Structural 3.01

- * All slabs to use #4 Rebar
- * All steel shall have a minimum 6" clearance from surrounding earth and forms before concrete pour
- * Vibrated concrete for vertical walls
- *** Walkway to us #4 'L' Rebar tied into vertical steel acting as a bond beam and shear key

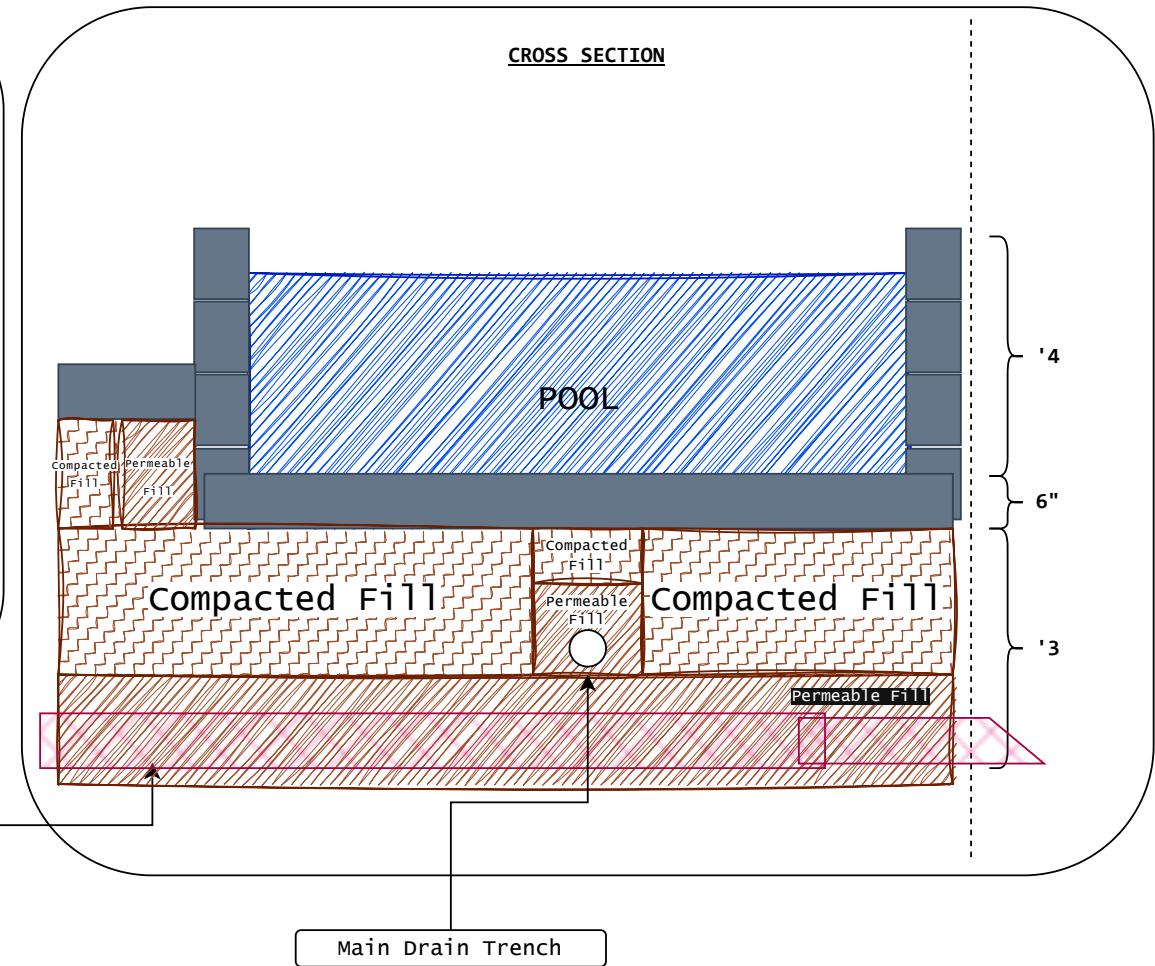
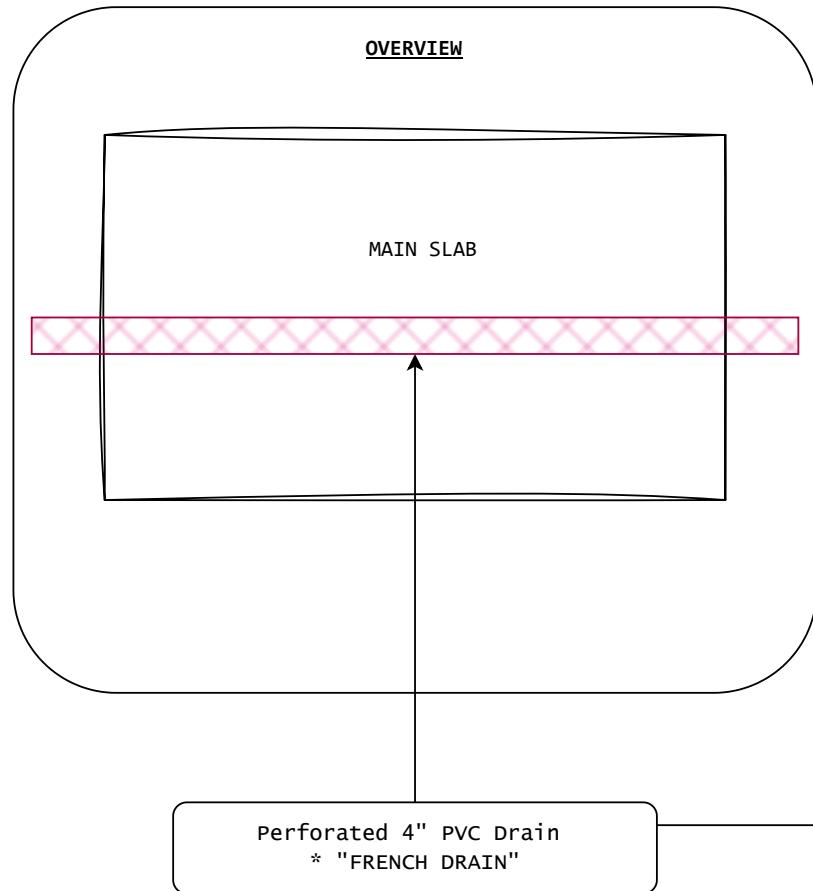
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S3.01

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Geotechnical / Civil (Drainage)

- * 4" Perforated PVC Drain to run under entire main slab for groundwater control
- * Surround Drain with Permeable Fill for hydrostatic relief
- * Compacted Fill on top of Drain and under slab

** NOT TO SCALE **

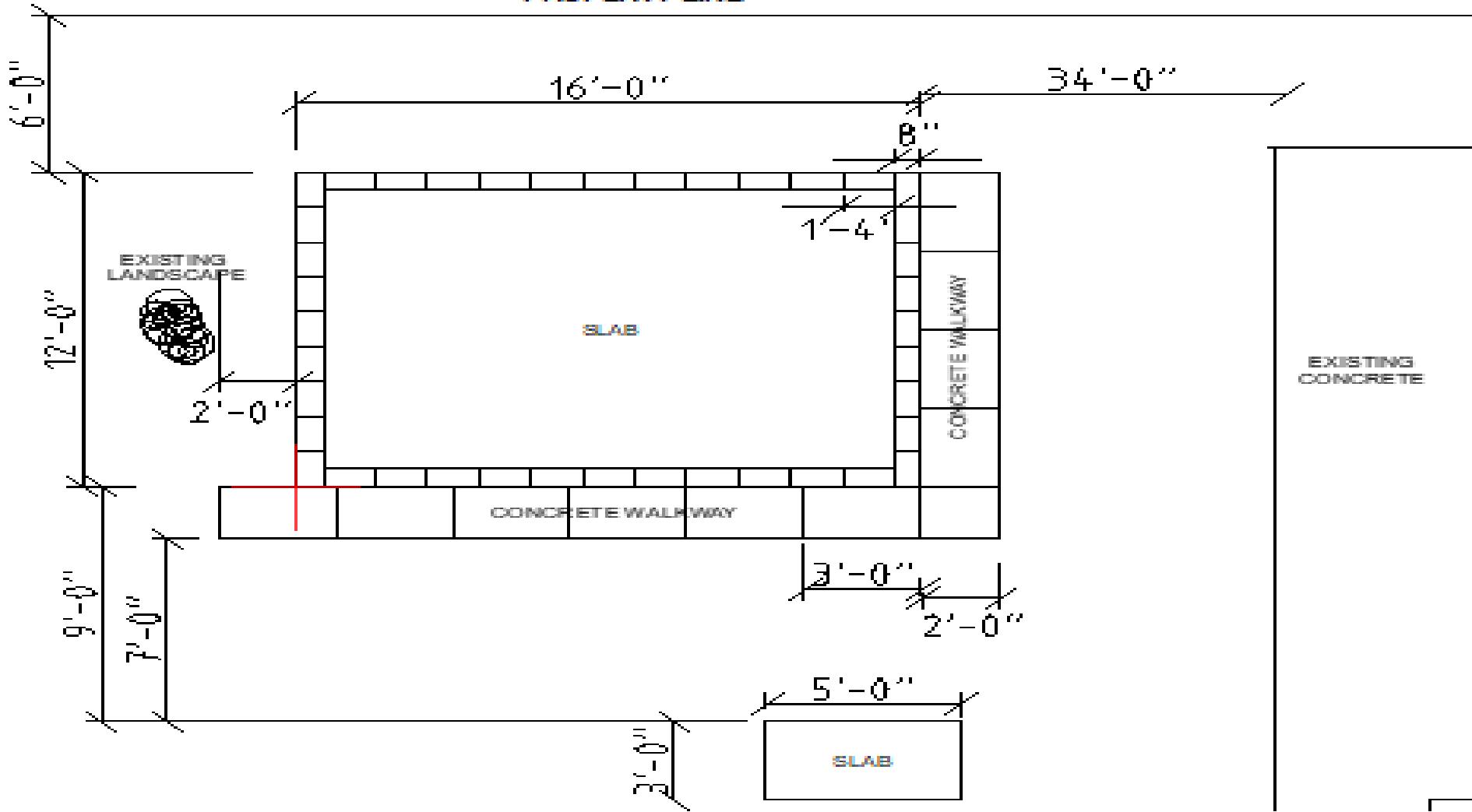
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Geo/Cvl
B/C 1.01

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PROPERTY LINE



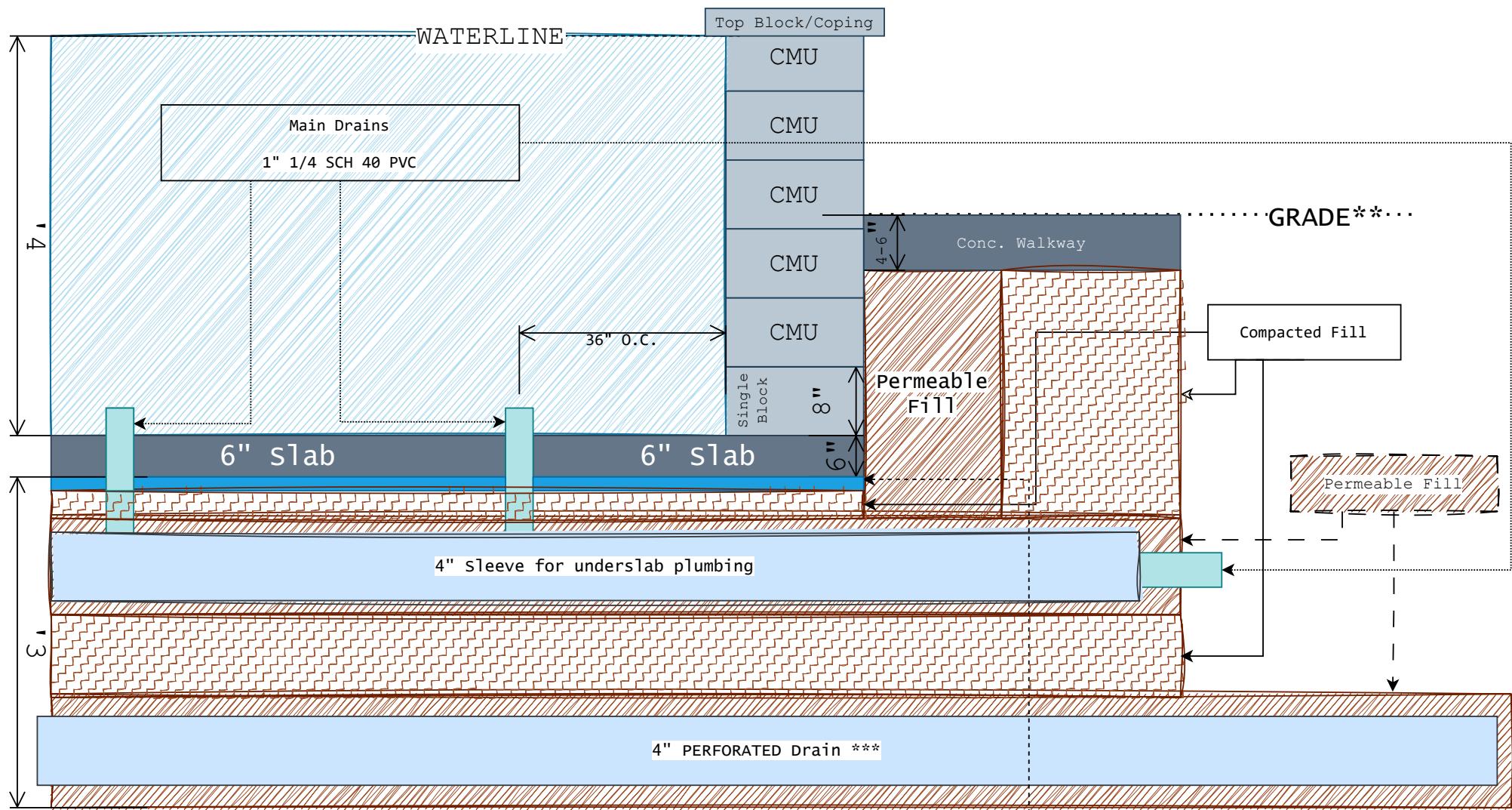
SITE PLAN

- * '12 x '16 x 6" MAIN SLAB (BELOW GRADE)
 - * '5 x '3 x 6" SECONDARY SLAB (AT GRADE)
 - * CONCRETE WALKING PATH
ALONG SOUTH/WEST FACES
WITH '3 x '2 x 4" FLAGS
 - * '6 PROPERTY LINE SETBACK
 - * CMU WALLS ON MAIN SLAB
 - * CMU DIMENSIONS: 8" x 8" x 16"
 - * 48" VERTICAL STACK HEIGHT
 - * 4" PERFORATED PVC DRAIN UNDER MAIN SLAB
 - * #4 REBAR FOR BOTH SLABS
 - * MAIN SLAB HAS COMPACTED FILL AND VAPOR/MOISTURE BARRIER INSTALLED ON TOP OF DRAINAGE TRENCH/PIPE
- NOT TO SCALE

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Survey	Drawing
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Cross Section (East Elevation)

* Main Drain piping to run inside
4" sleeve under slab to trench

*** 4" drain to run under slab for
hydrostatic relief, saturated earth and site
drainage (See Geo/Civil)

** Grade will vary

**** Minimum 10 mil sheeting

(Not To Scale)

Vapor/Moisture
Underlayment ****

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General
G2.01

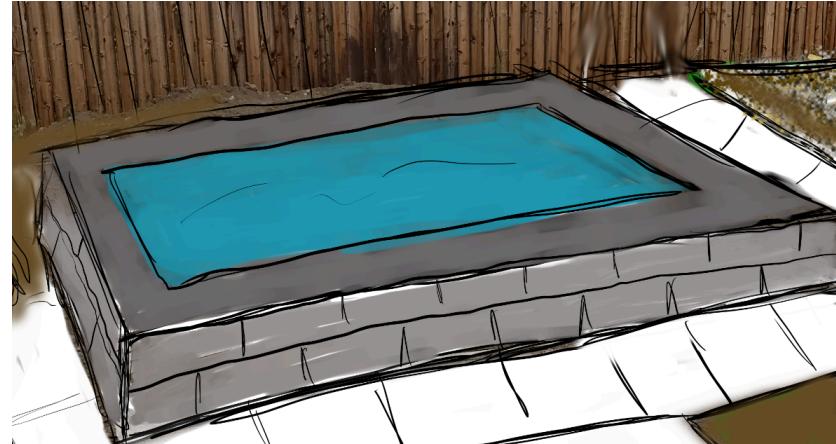
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'12 x '16 x '4 CMU WALL SWIMMING POOL

Proposed construction under a **Homeowner-Affidavit permit**; of a swimming pool utilizing **Concrete Masonry Unit (CMU)** wall construction set upon a **reinforced concrete slab**. The CMUs, will be **partially earth-retained**, are to receive a multi-layered finish system with **below-grade waterproofing, cementitious plaster, and a durable, pool-compatible coating**. A **filtration and sanitation system** will be integrated, and designed to current industry standards. **Hydrostatic pressure relief and groundwater management measures** are included. A separate 5' x 3' **concrete equipment pad**, is proposed approximately '12 from the primary pool structure to house essential plumbing and mechanical components. All subterranean plumbing shall be placed within properly excavated trenches, under frost line, backfilled with **free-draining material** and a sand layer, strictly adhering to all relevant codes. All reinforcing steel will maintain 6" clearance from earth and formwork prior to pour, and will have a earth bonding system. Two faces of the main structure will have a concrete walkway that is to be tied into the reinforcing steel of the main structure and will act as a **bond beam** and **shear key**. Project is to use existing electrical distribution that is located in proximity to proposed equipment pad and \geq '12 from proposed swimming pool.

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Approximate proposed location

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