

GENERAL NOTES

- THE DESIGN IS BASED ON DRAINAGE SOIL WITH 10% SILT. GROUND WATER SHALL NOT EXIST WITHIN THE LIMITS OF EXCAVATION. IF GROUND WATER EXISTS WITHIN 6'-0" BELOW GRADE, SPECIAL DRAINAGE FACILITIES WILL BE REQUIRED.
- NO SURCHARGE ALLOWED WITHIN 4'-0" OF SHALLOW END AND 8'-0" OF DEEP END.
- THE PNEUMATICALLY APPLIED CONCRETE (GUNITE) SHALL BE A 1-4 MIX WITH A MAX OF 3-1/2 GALLONS OF WATER PER BOLBS SACK OF CEMENT.
- REINFORCING STEEL SHALL BE INTERMEDIATE GRADE 60, BILLET STEEL WITH MINIMUM LAPS OF 30 BAR DIAMETER.
- POOL WATER BY OWNER FILL SPOUT. POOL TO BE KEPT FULL DURING FREEZING WEATHER. PUMP CAPACITY TO BE SUFFICIENT TO EMPTY POOL IN 24 HOURS.
- FILL SPOUT TO BE 3" GOOSENECK WITH AN AIR GAP BETWEEN SPOUT AND POOL.
- THIS IS TO CERTIFY THAT THE CONSTRUCTION OF THE SWIMMING POOL ON THE SUBJECT PREMISES WILL NOT REQUIRE ANY SPECIAL DRAINAGE INSTALLATION.
- THE POOL WILL BE CONSTRUCTED OF PNEUMATICALLY APPLIED, STEEL REINFORCED CONCRETE AND THE POOL WATER IS DESIGNED TO BE CONTINUOUSLY CIRCULATED THROUGH THE FILTER AND DRAINED FROM YEAR TO YEAR. THE DRAINAGE FROM THE FILTER WILL NOT INTERFERE WITH THE PUBLIC WATER SUPPLY, THE EXISTING SANITARY STRUCTURES, NEIGHBORING PROPERTIES, OR PUBLIC HIGHWAYS.
- POOL CONSTRUCTION SHALL CONFORM WITH ALL STATE AND LOCAL BUILDING CODES, 2018 ISFSC (INTERNATIONAL SWIMMING POOL AND SPA CODE), THE 2015 IRC & THE 2017 NYS SUPPLEMENT.
- SWIMMING POOL ENTRAPMENT PROTECTION SHALL CONFORM WITH ALL STATE AND LOCAL BUILDING CODES, 2018 ISFSC (INTERNATIONAL SWIMMING POOL AND SPA CODE), THE 2015 IRC & THE 2017 NYS SUPPLEMENT.

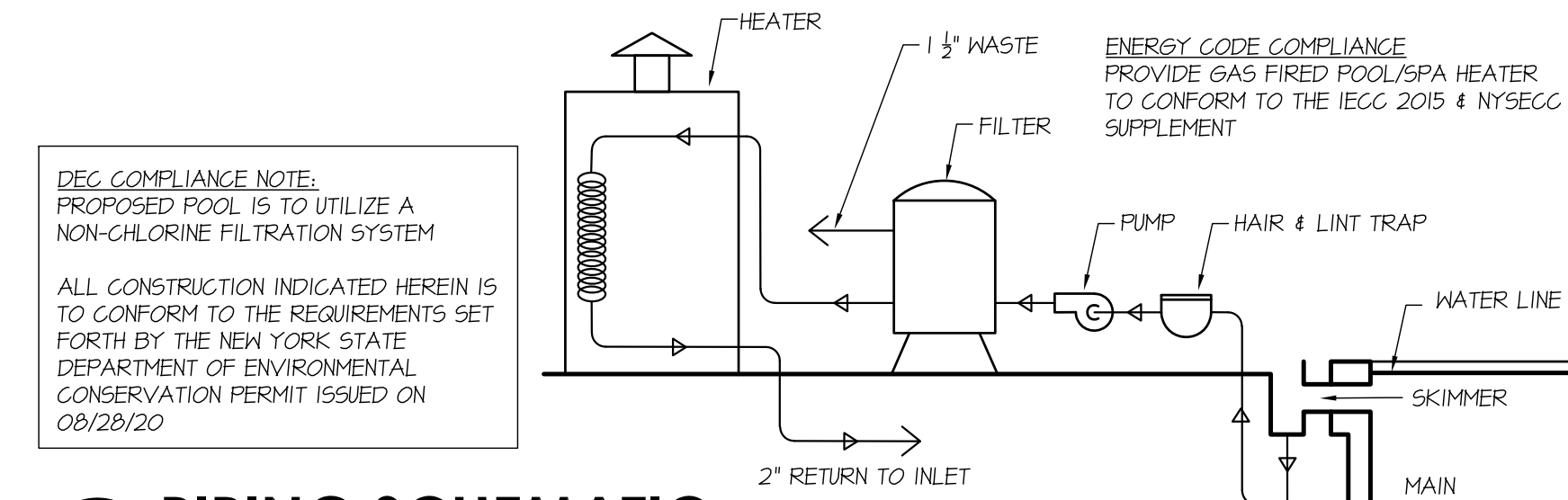
ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS
 AG106.1 GENERAL - SUCTION OUTLETS SHALL BE DESIGNED TO PRODUCE CIRCULATION THROUGHOUT THE POOL OR SPA. SINGLE OUTLET SYSTEMS SUCH AS AUTOMATIC VACUUM CLEANER SYSTEMS OR OTHER SUCH MUTABLE SUCTION OUTLETS WHETHER ISOLATED BY VALVES OR OTHERWISE SHALL BE PROTECTED AGAINST USER ENTRAPMENT.

AG106.2 SUCTION FITTINGS - ALL POOL AND SPA SUCTION OUTLETS SHALL BE PROVIDED WITH A COVER THAT CONFORMS WITH ANSI/ASME A12.12.8 OR A 12"x12" DRAIN OR LARGER, OR AN APPROVED CHANNEL DRAIN SYSTEM.
 EXCEPTION: SURFACE SKIMMER

AG106.3 ATMOSPHERIC VACUUM RELIEF SYSTEM REQUIRED. ALL POOL AND SPA SINGLE OR MUTABLE OUTLET CIRCULATION SYSTEMS SHALL BE EQUIPPED WITH ATMOSPHERIC VACUUM RELIEF GRATE COVERS. SUCH VACUUM RELIEF SYSTEMS INCLUDE AT LEAST ONE APPROVED OR ENGINEERED METHOD OF THE TYPE SPECIFIED HEREIN AS FOLLOWS:
 1. SAFETY VACUUM RELEASED SYSTEM CONFORMING TO ASME A12.1, IT OR
 2. AN APPROVED GRAVITY DRAINAGE SYSTEM

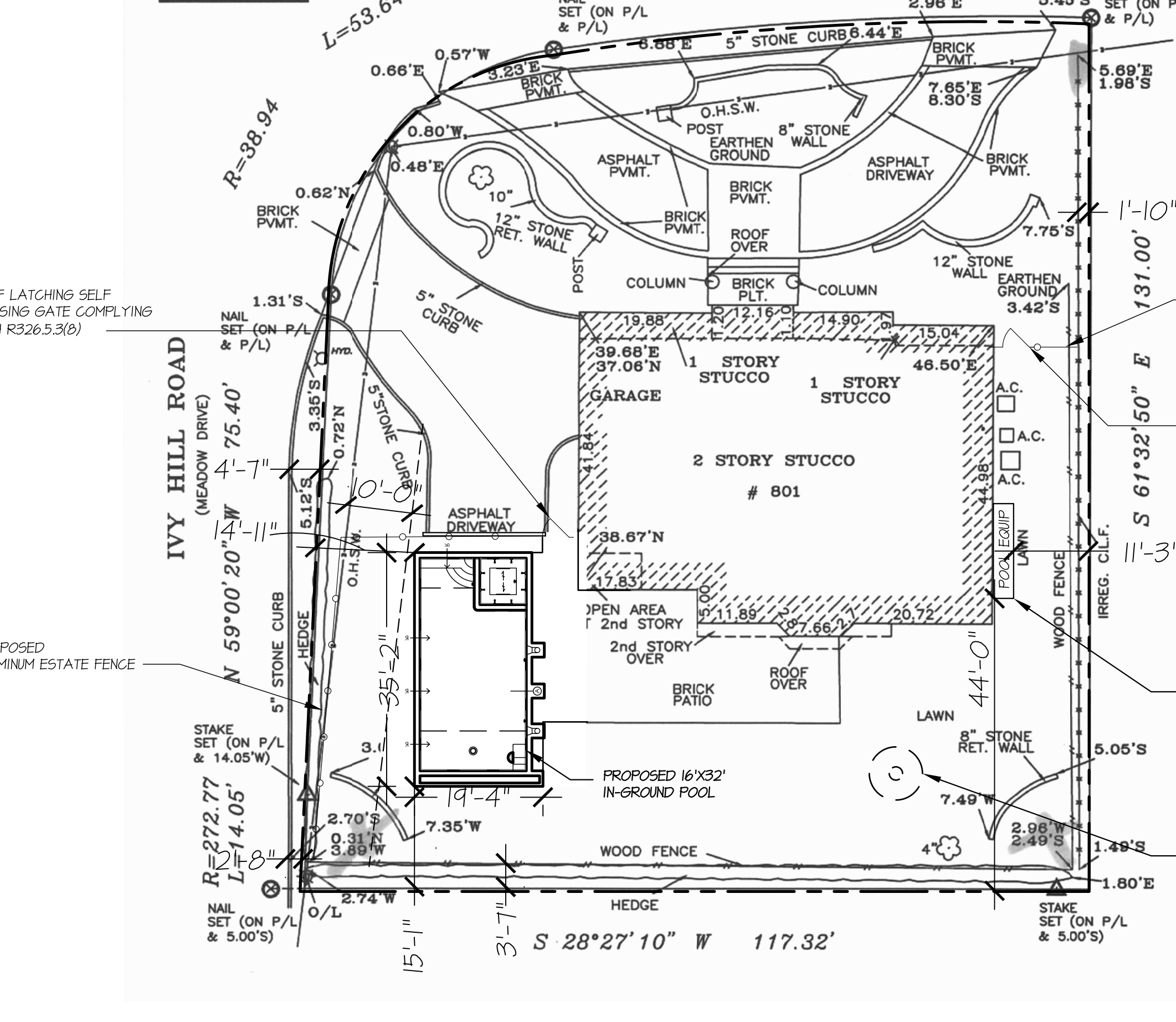
AG106.4 DUAL DRAIN SEPARATION. SINGLE OR MULTIPLE PUMP CIRCULATION SYSTEMS SHALL BE PROVIDED WITH A MINIMUM OF TWO (2) SUCTION OUTLETS OF APPROVED TYPE A MINIMUM HORIZONTAL OR VERTICAL DISTANCE OF THREE (3) FEET SHALL SEPARATE SUCH OUTLETS. THESE SUCTION OUTLETS SHALL BE PIPED SO THAT THE WATER IS DRAINED THROUGH THEM SIMULTANEOUSLY THROUGH A VACUUM RELIEF PROTECTED LINE TO THE PUMP OR PUMPS.

FENCE NOTES:
 POOL FENCING SHALL COMPLY WITH SECTION AG105 OF THE 2015 INTERNATIONAL RESIDENTIAL CODE AND THE 2017 NEW YORK STATE SUPPLEMENTAL BUILDING CODE. POOL GATES SHALL SWING OUT AWAY FROM POOL. LATCH MECHANISM MUST BE AT LEAST 3" BELOW THE TOP OF GATE AND THE GATE AND FENCE BARRIER SHALL HAVE NO OPENING GREATER THAN 1/4" WITHIN 18" OF THE RELEASE MECHANISM

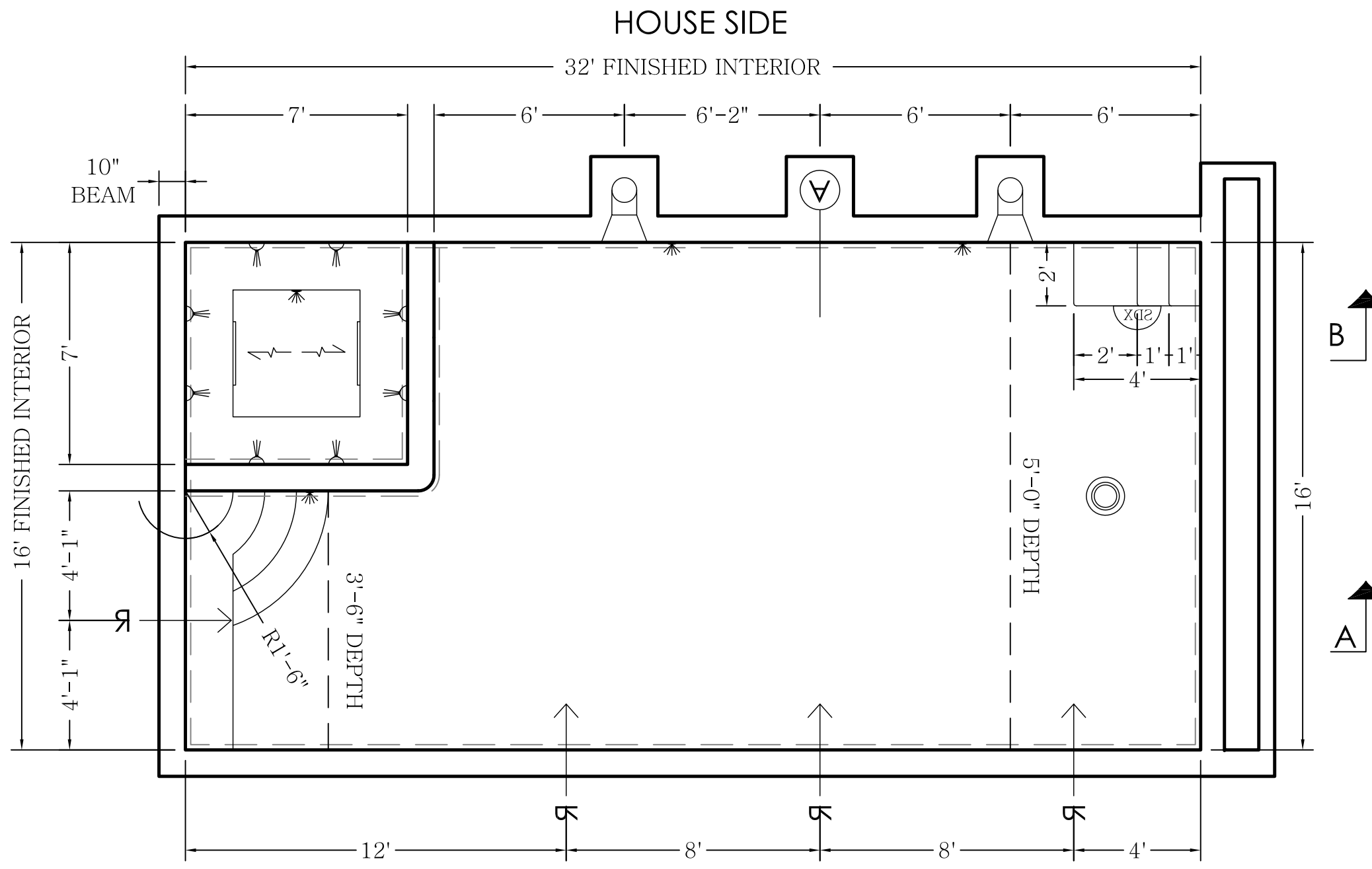


4 PIPING SCHEMATIC
 SCALE = N.T.S.

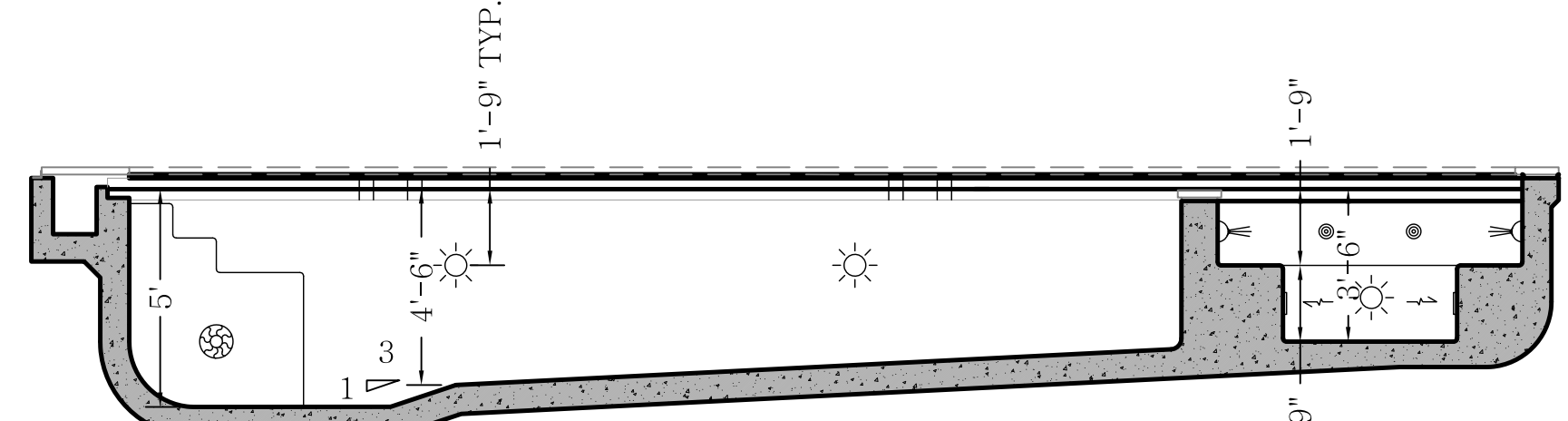
LEGEND:
 ⊗ NAIL SET
 ⊕ STAKE SET



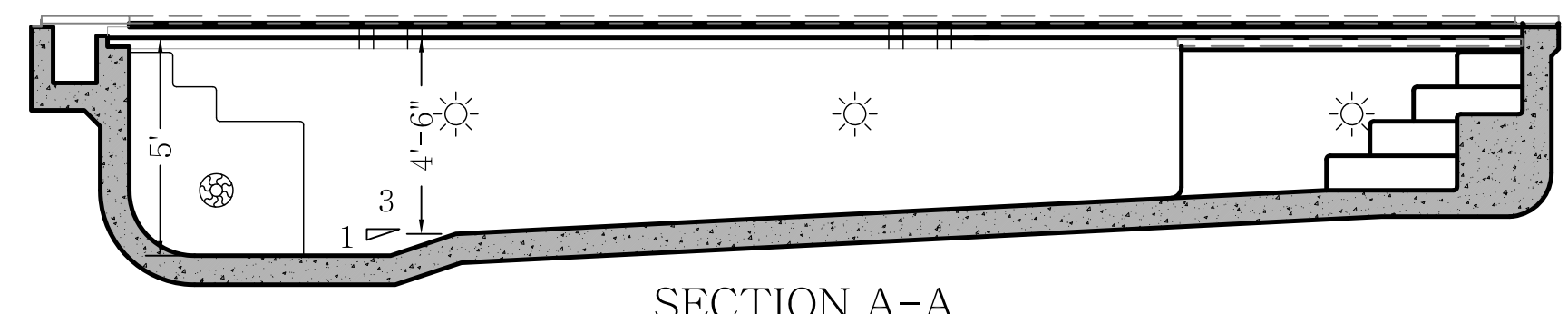
1 SITE PLAN
 SCALE = 1" = 16'-0"



3 POOL PLAN
 SCALE = 1/4" = 1'-0"



SECTION B-B
 SCALE: 1/4" = 1'-0"



SECTION A-A
 SCALE: 1/4" = 1'-0"

2 POOL SECTIONS
 SCALE = 1/4" = 1'-0"

ZONING ANALYSIS

ZONING CALCULATIONS	REQUIRED	EXISTING	PROPOSED	COMPLIANCE
COVERAGES				
LOT SIZE	14500 SF	14514 SF	14514 SF	YES
HOUSE	2000 SF MIN	2852 SF	2852 SF	YES
BRICK STOOP		66 SF	66 SF	
STONE WALLS		143 SF	143 SF	
A/C PADS		11 SF	11 SF	
POOL EQUIPMENT		NONE	43.4 SF	
LOT COVERAGES	15% OF 14500 = 2175	3070	3121	NO
POOL		NONE	631 SF	
DRIVEWAYS		2041 SF	2041 SF	
REAR PATIOS		600 SF	600 SF	
IMPERVIOUS COVERAGE	4520 + 26% OF 2514 = 5104	5065 SF	6545 SF	NO
SETBACKS				
POOL FRONT YARD	35'-0"	N/A	14'-11"	NO
POOL REAR YARD	25'-0"	N/A	15'-1"	NO
POOL EQUIPMENT SIDE YARD	15'-0"	N/A	11'-3"	NO
POOL EQUIPMENT REAR YARD	25'-0"	N/A	44'-0"	YES
FENCING		14'-0"	14'-0"	YES

DRYWELL FOR BACKWASH ONLY
 DRYWELL CAPACITY 80GPM PUMP X 5 MIN = 400 GAL
 400 GAL X 4 WASHES = 1600 GAL CAPACITY REQUIRED

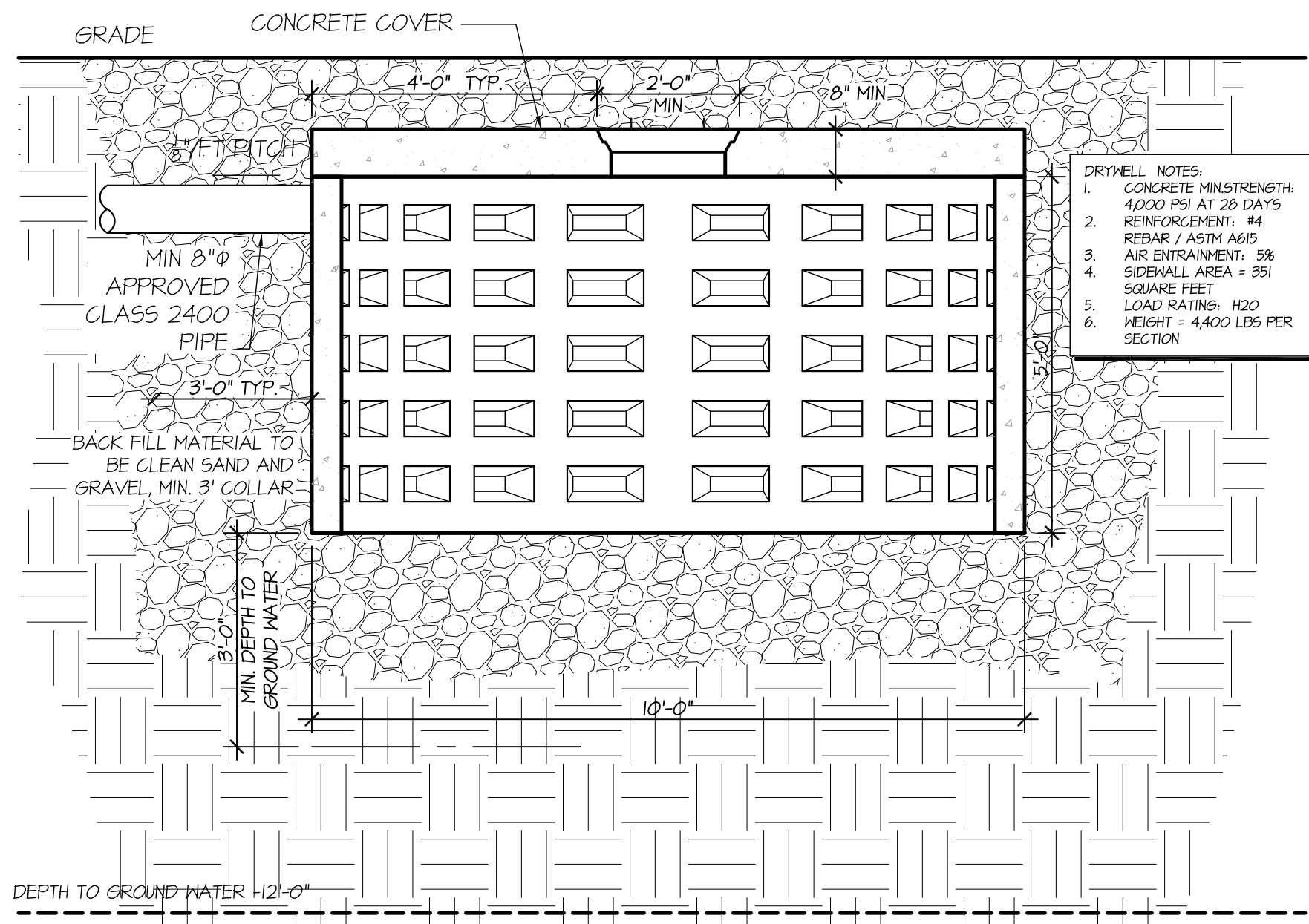
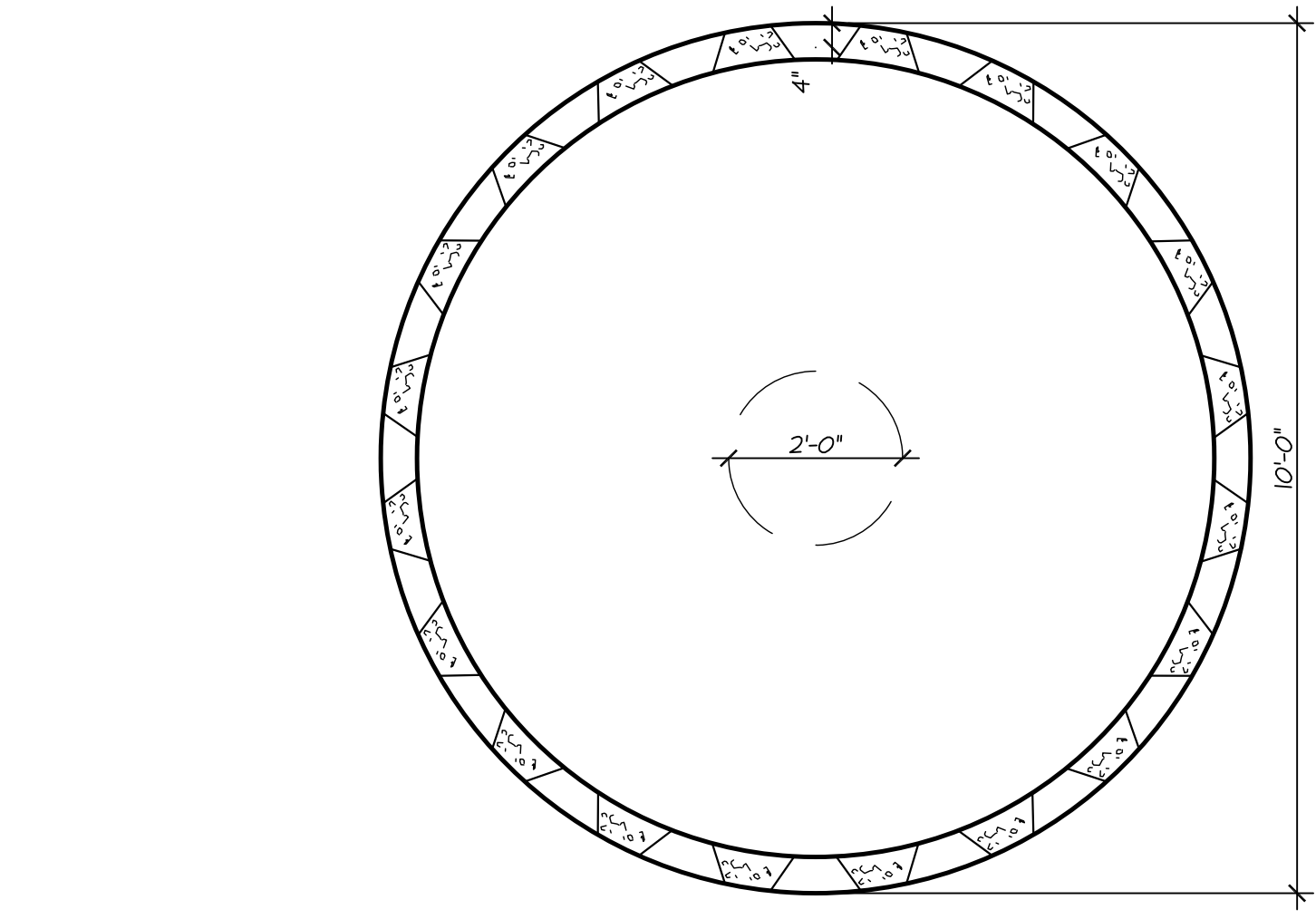
OPTIONAL SIZES:
 1. 8'-0" X 10' DEEP = 1600 GAL
 2. 8'-0" X 5'-6" DEEP = 1742 GAL
 3. 10'-0" X 3'-6" DEEP = 1745 GAL

FOR LOCAL JURISDICTIONS REQUIRING FULL CAPACITY OF SWIMMING POOL TO BE DRAINED TO DRYWELLS WITHIN A FIXED TIME PERIOD, SEE CALCULATIONS FOR ADDITIONAL DRYWELLS

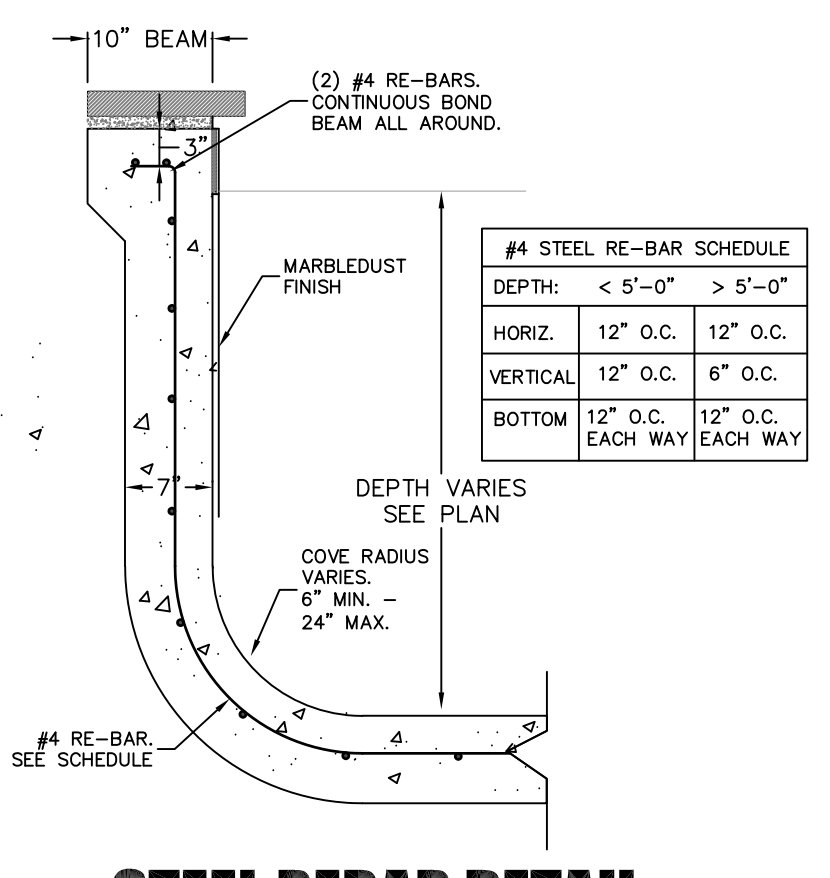
STORMWATER:
 POOL SQUARE FOOTAGE = 1021 SQFT X 3" RAINFALL = 255 CUFT (1,914 GAL)

DRYWELL CALCULATION:
 5'X10' DEEP DRYWELL = 341 CUFT (2563 GAL)
 255 CUFT CAPACITY / 341 CUFT = 0.74 DRYWELLS REQUIRED, (1 REQUIRED)

TOTAL REQUIRED = 0.74 DRYWELLS REQUIRED, (1 5'X10' DEEP DRYWELL PROVIDED)



6 DRYWELL DETAIL
 SCALE = 1/2" = 1'-0"



5 POOL BEAM/WALL DETAIL
 SCALE = N.T.S.



GIBBONS POOLS
 171 BRIDGE ROAD ISLANDIA, N.Y. 11749
 TEL: (831) 851-3000 FAX: (831) 851-2107

REVISIONS

DATE	DESCRIPTION
07/20/20	ISSUED FOR INITIAL REVIEW

DRAWING NAME:
POOL SITE PLAN

PROJECT NAME:
SPIVAK RESIDENCE

ADDRESS: 801 KEENE LN
 TOWN: WOODBURGH
 STATE: NEW YORK
 POSTAL CODE: 11598
 NCTM #: 41-45-29
 ID NUM: --



PROJECT NUMBER: 2020-0110
 INITIATED DATE: 11/23/20
 DRAWN BY: SBA
 CHECKED BY: GM
 DRAWING NUMBER:

PL-101.00