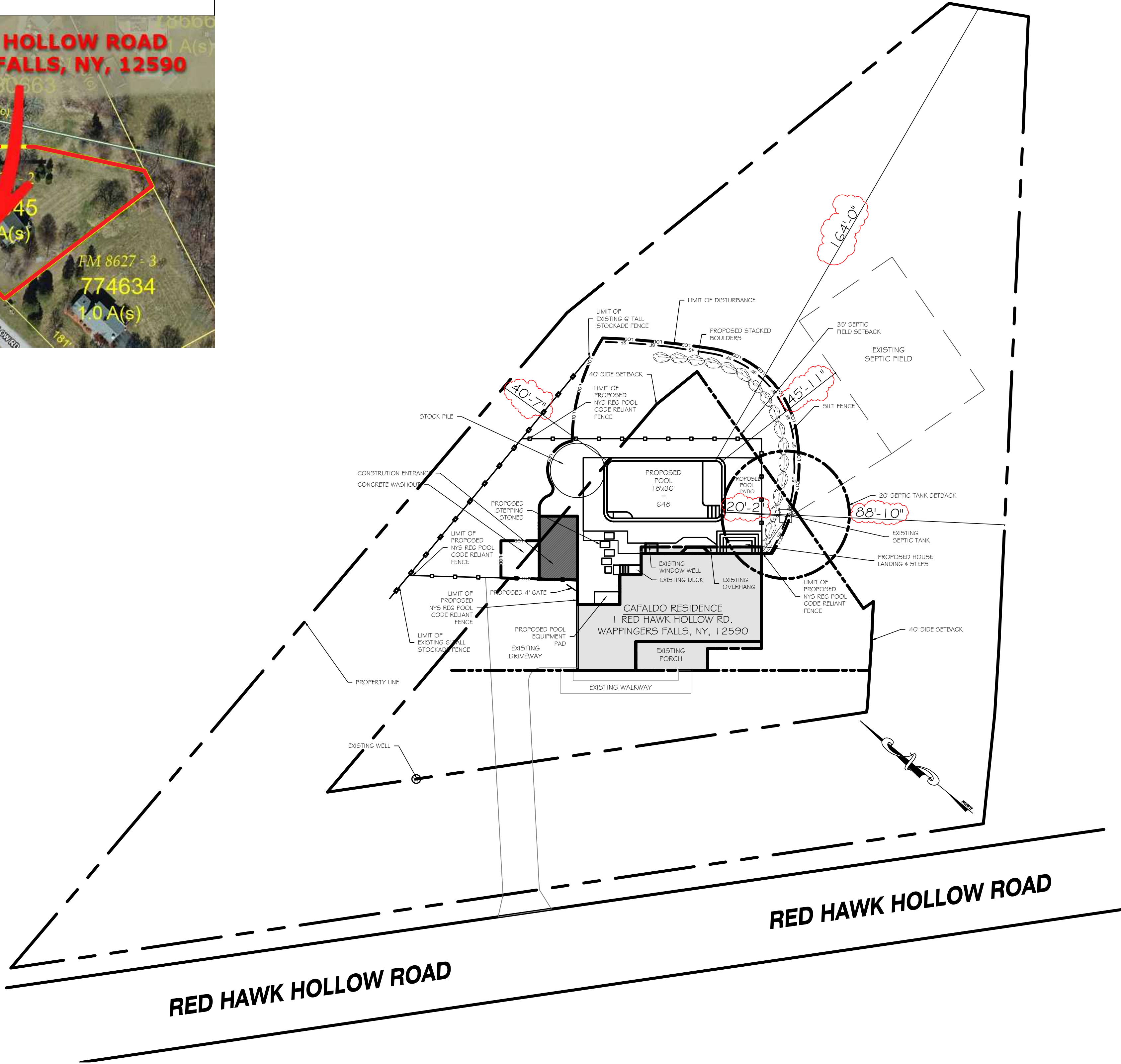


LOCATION MAP



BULK TABLE REQUIREMENTS

	REQUIRED	EXISTING	PROVIDED
ZONING DISTRICT: R40/80			
MINIMUM LOT SIZE (SQ FT)	80,000 SF	44,661 SF	N/A
MINIMUM FRONT YARD (FT) *	N/A	N/A	N/A
MINIMUM REAR YARD (FT) *	50'	N/A	164'-0"
MINIMUM SIDE YARD (FT) *	40'	N/A	40'-7"
MINIMUM SEPTIC TANK SETBACK (FT)	20'	N/A	20'-2"
MINIMUM ABSORPTION FIELD SETBACK (FT)	35'	N/A	45'-11"

* PROVIDED VALUES ARE TO THE PROPOSED POOL

MAX COVERAGE – ALL BUILDINGS (SQ FT)	4,466.1 SF (10%)	1,757 SF	2,405 (5.4%)
--------------------------------------	------------------	----------	--------------

LOT SURFACE COVERAGE BREAKDOWN

LOT AREA = 44,661 SF	PROPOSED BUILT COVERAGE SF	
MAXIMUM BUILDING LOT COVERAGE: 4,461 (10%)	• EXISTING BUILDING COVERAGE	1,757 SF
EXISTING LOT COVERAGE SQ FT	*** POOL	648
• EXISTING BUILDING AREA	1,757 SF	EXISTING BLDG (1,757) + PROPOSED ACCESSORY STRUCTURES (648) = 2,405 SF
TOTAL EXISTING BUILDING COVERAGE	1,757 SF	TOTAL PROPOSED BUILDING COVERAGE SF: 2,405 SF TOTAL REMAINING ALLOWABLE LOT COVER: 2,056 SF



PARCEL #: 6359-02-759645 / ZONE: R 40/80

NOTES:

- POOL SAFETY FENCE SHALL COMPLY WITH CHAPTER 3, SECTION 326 OF THE 2020 NYS RESIDENTIAL CODE.
- FENCE TO BE COMPOSED OF MESH, MADE WITH 11 GAUGE FINISHED PVC COATED STEEL WIRE IN 1-1/4" OPENING. THE SMALLER OPENING MAKES THIS FENCE MESH CLIMB RESISTANT AND THEREFORE SECURE FOR POOL AREA FENCES.
- GATES SHALL BE SELF-CLOSING AND SELF-LATCHING AND LOCKABLE, DESIGNED AND CAPABLE OF KEEPING SUCH GATES SECURELY CLOSED AND LOCKED AT ALL TIMES, WHEN NOT IN ACTUAL USE. GATES SHALL OPEN AWAY FROM POOL AREA. BOTTOM OF THE FENCE SHALL NOT EXCEED 2" FROM FINISHED GRADE.

REVISIONS

#	DATE	DESCRIPTION	BY
1	4.29.24	PERMIT PLANS	MJW
2	5.2.24	PERMIT REVISIONS	MJW
3	5.7.24	PERMIT REVISIONS	MJW
4	5.10.24	PERMIT REVISIONS	MJW
5	6.7.24	PERMIT REVISIONS	MJW

APPLICABLE CODES

- 2020 NYS RESIDENTIAL CODE (CHAPTER 3 SECTION 326 SWIMMING POOLS, SPAS AND HOT TUBS)
 - (R326.4 FOR BARRIER REQUIREMENTS, R326.7 FOR SWIMMING POOL AND SPA ALARMS)
- 2020 NYS BUILDING CODE
- ANSI/NSPI-5 FOR IN-GROUND POOLS, ANSI/NSPI-6 FOR SPAS
- ASTM F1346 FOR SAFETY COVERS FOR SWIMMING POOLS AND SPAS
- ACI 506.2 "SPECIFICATION FOR SHOTCRETE"
- TOWN OF WAPPINGERS FALLS
- CURRENT REQUIREMENTS FOR SWIMMING POOLS (AVAILABLE AT [HTTP://WWW.DOS.NY.GOV/DCEA/CURRPOLREQ.HTM](http://www.dos.ny.gov/dcea/currpoolsreq.htm))

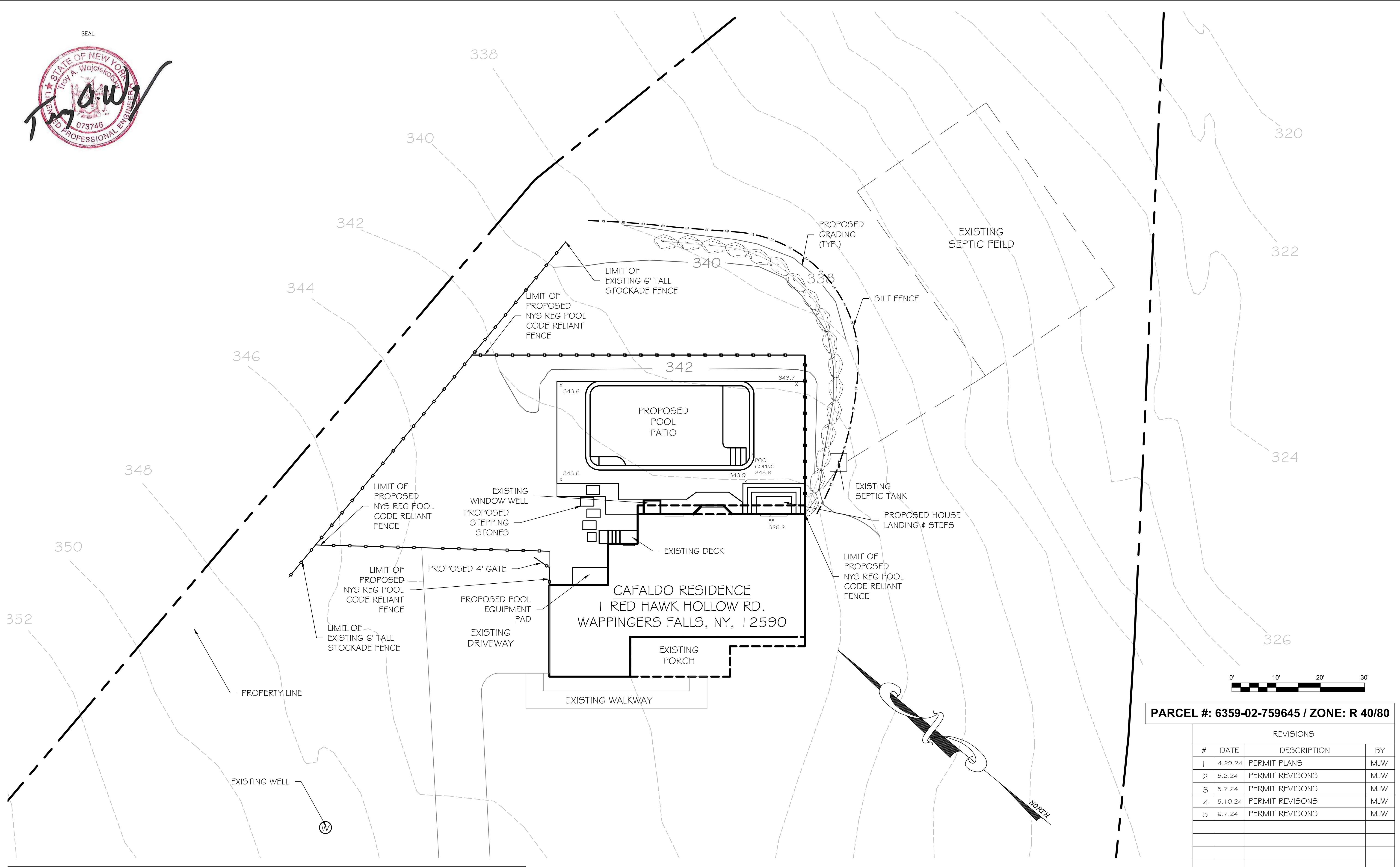
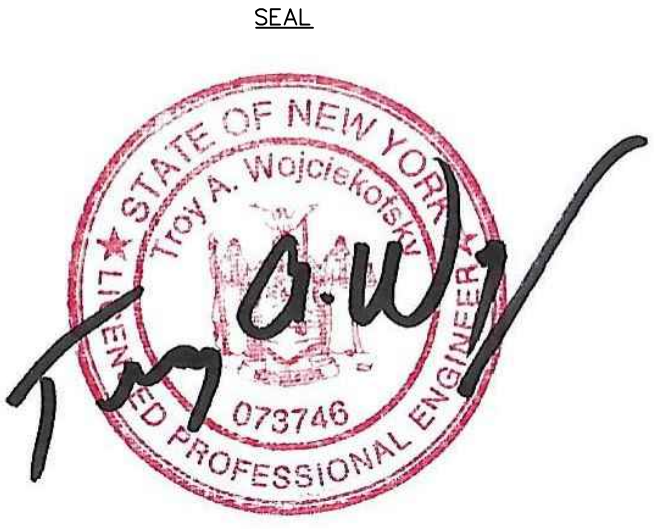
- EXISTING CONDITIONS SHOWN ON THESE PLANS ARE BASED ON A SURVEY BY RICHARD G. BARGER L.S. & P.E., ENTITLED "SURVEY FOR LOT NO.2" DATED JUNE 9TH, 1992.

SEAL



AS PER EDUCATIONAL LAW 7209 ARTICLE 145, PROFESSIONAL ENGINEERING AND LAND SURVEYING 7209 (2), AND/OR COMMISSIONER'S REGULATIONS PART 79-1.4, LANDSCAPE ARCHITECTURE OR PART 69, ARCHITECTURE, 69.5B: IT IS A VIOLATION OF THIS ARTICLE FOR ANY PERSON, UNLESS HE OR SHE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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1. EXISTING CONDITIONS SHOWN ON THESE PLANS ARE BASED ON A SURVEY BY RICHARD G. BARGER L.S. & P.E., ENTITLED "SURVEY FOR LOT NO.2" DATED JUNE 9TH, 1992.



PARCEL #: 6359-02-759645 / ZONE: R 40/80

REVISIONS			
#	DATE	DESCRIPTION	BY
1	4.29.24	PERMIT PLANS	MJW
2	5.2.24	PERMIT REVISIONS	MJW
3	5.7.24	PERMIT REVISIONS	MJW
4	5.10.24	PERMIT REVISIONS	MJW
5	6.7.24	PERMIT REVISIONS	MJW

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80 AIRPORT DRIVE WAPPINGERS FALLS, NY

GRADING PLAN

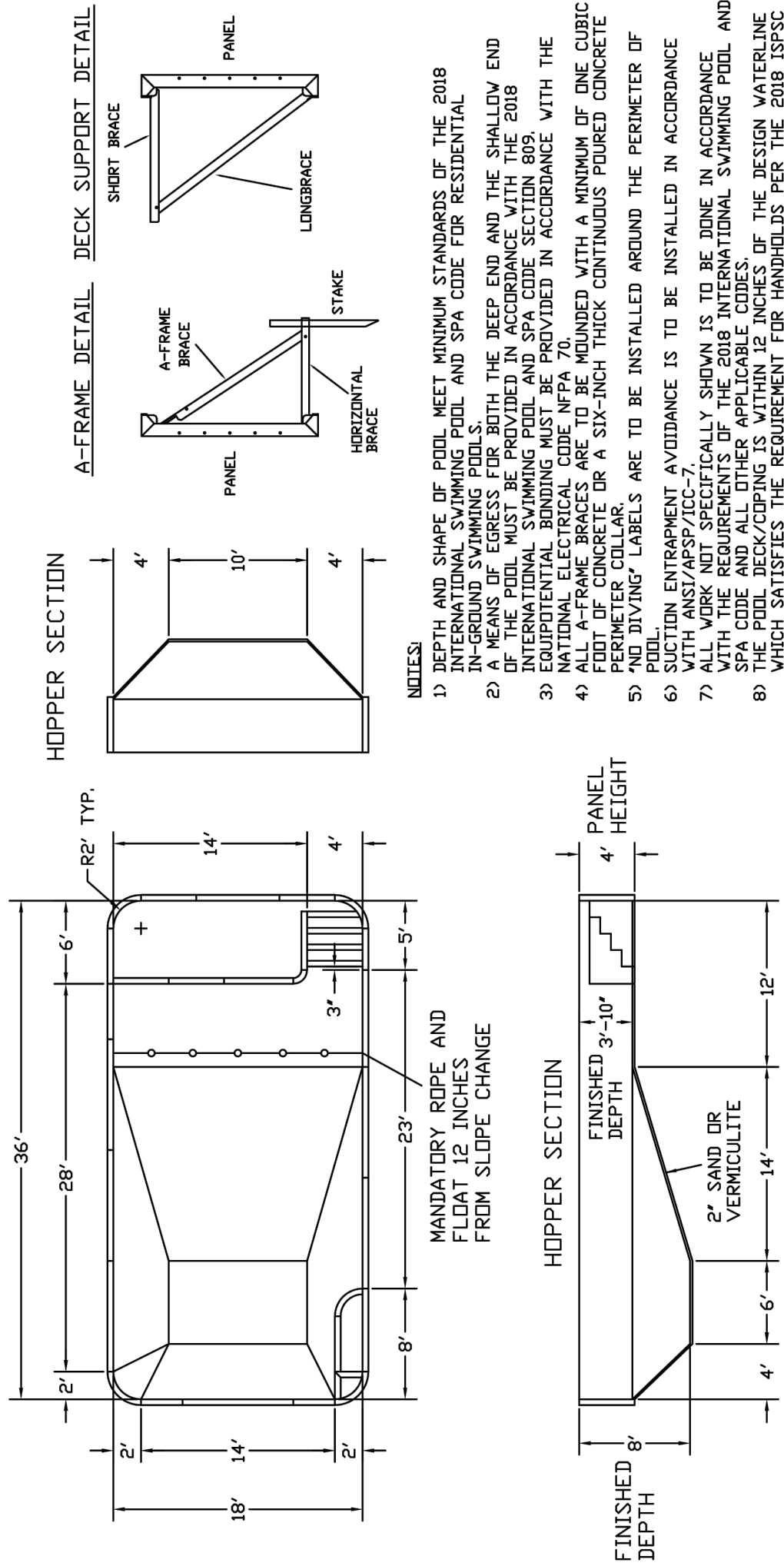
SHEET #:
02 OF 04

DESIGNER: KRIS SCHMITT
DRAWN BY: MICKEY WALKER
CHECKED BY: KRIS SCHMITT
SCALE: 1" = 10'-0"

CAFALDO RESIDENCE
1 RED HAWK HOLLOW ROAD
WAPPINGERS FALLS, NY, 12590

REVISIONS			
#	DATE	DESCRIPTION	BY
1	4.29.24	PERMIT PLANS	MJW
2	5.2.24	PERMIT REVISIONS	MJW
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4	5.10.24	PERMIT REVISIONS	MJW
5	6.7.24	PERMIT REVISIONS	MJW


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NOTES:

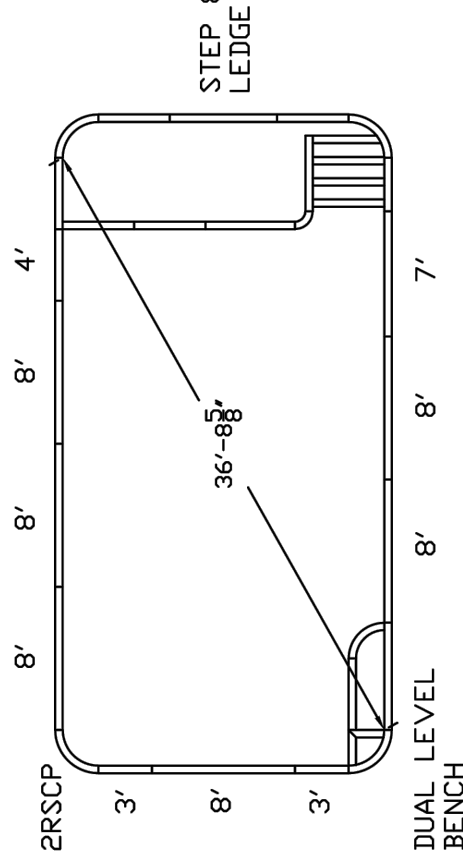
- 1) DEPTH AND SHAPE OF POOL MEET MINIMUM STANDARDS OF THE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE FOR RESIDENTIAL POOLS.
- 2) A MEANS OF EGRESS FOR BOTH THE DEEP END AND THE SHALLOW END OF THE POOL MUST BE PROVIDED IN ACCORDANCE WITH THE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE.
- 3) EQUIPMENT ELECTRICAL WIRING MUST BE PROVIDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) 70.
- 4) ALL DECK BRACES ARE TO BE JOINTED WITH A MINIMUM OF ONE CUBIC FOOT OF CONCRETE.
- 5) PERIMETER COLLAR ON A SIX-INCH THICK CONTINUOUS FORMED CONCRETE PERIMETER COLLAR.
- 6) SUCTON ENTRAPMENT AVOIDANCE IS TO BE INSTALLED AROUND THE PERIMETER OF THE POOL.
- 7) WITH ANTI-SUCK-OUT-7.
- 8) THE REQUIREMENTS OF THE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE AND ALL OTHER APPLICABLE CODES, BY THE DESIGN MATERIALS, WHICH SATISFIES THE REQUIREMENT FOR HANDHOLDS PER THE 2018 ISPSG SECTION 3231 et al.


INTERNATIONAL SWIMMING POOLS NOTES: SWIMMING POOLS ARE DANGEROUS WHEN USED IMPROPERLY. NEVER DIVE IN THE SHALLOW END OF ANY POOL. CONSULT WITH THE DIVING BOARD AND SLIDE MANUFACTURER FOR PROPER INSTALLATION AND MAINTENANCE. THIS POOL TO ENSURE THE POOL MEETS THE EQUIPMENT MANUFACTURERS MINIMUM STANDARDS FOR THE POOL'S INTERIOR DETAIL. RATHER THE LINER MANUFACTURER MUST ENSURE THE POOL MEETS ALL STANDARDS. THE POOL MANUFACTURER MUST FOLLOW ALL SAFETY GUIDELINES OF THE I.P.S.G., LOCAL ORDINANCES, AND EQUIPMENT MANUFACTURERS.

**INTERPOOL**
48" WALL 18'X36' RECTANGLE

DATE: 03/18/24 | SCALE: NTS
CAD BY: P.T. | ACADREF: 48RT2R-1836-A4

QTY.	DESCRIPTION
2	3' STRAIGHT PANEL
1	4' STRAIGHT PANEL
1	7' STRAIGHT PANEL
6	8' STRAIGHT PANEL
1	2' RADIUS CORNER PANEL (2RSCP)
1	8' OPEN POUR DUAL LEVEL BENCH (REFER TO 48OPBDL-2X8R2.DWG.)
1	18' OPEN POUR STEP & LEDGE (REFER TO 48OPSTL-6X18R2.DWG.)



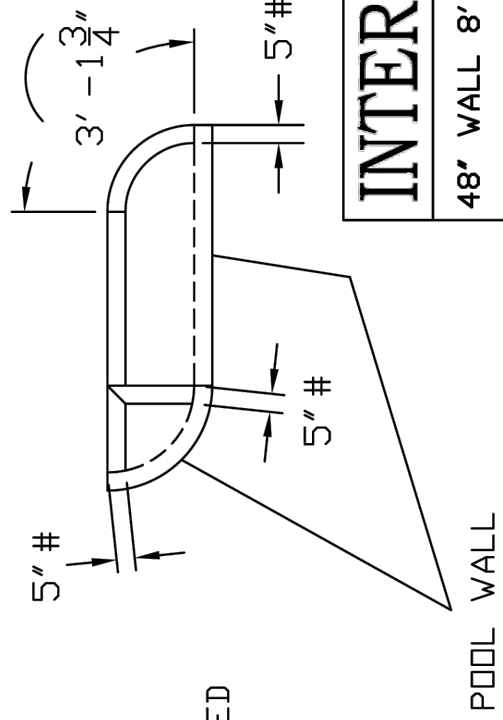
**INTERPOOL**
48" WALL 18'X36' RECTANGLE


DATE: 03/18/24 | SCALE: NTS
CAD BY: P.T. | ACADREF: 48RT2R-1836-A4

5" STEEL WALL TOPPED WITH 1-1/2" MUD LIP.

TOPPED OFF WITH 4" OF CONCRETE OVER A CRUSHED STONE BASE. CONCRETE, CRUSHED STONE, REBAR, AND HARDWARE NOT INCLUDED.

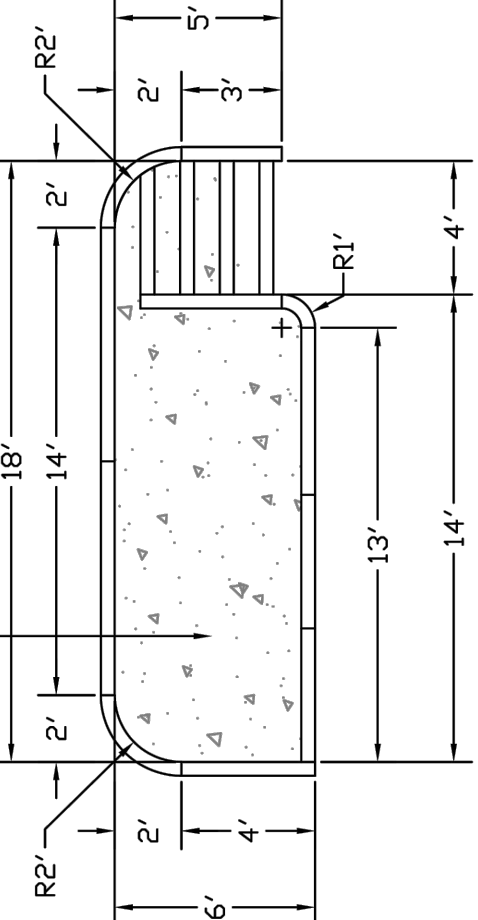
LINER TRACK AT DASHED LINES ONLY. #=NO LINER TRACK THESE SECTIONS



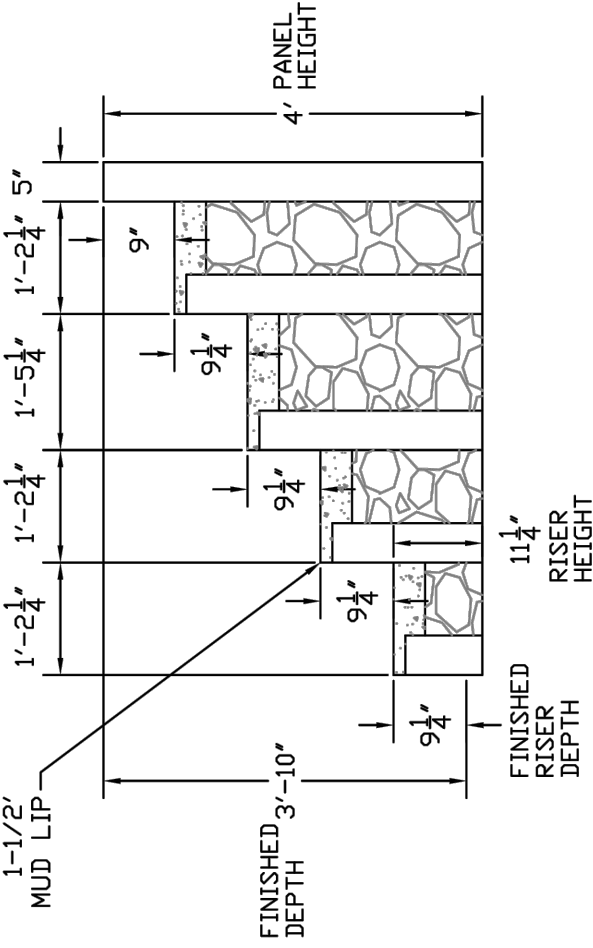
**INTERPOOL**
48" WALL 8' DUAL LEVEL BENCH

DATE: 03/18/24 | SCALE: NTS
CAD BY: P.T. | ACADREF: 48DPBDL-2X8R2


TOPPED OFF WITH 4" OF CONCRETE OVER A CRUSHED STONE BASE. CONCRETE, CRUSHED STONE, REBAR, AND HARDWARE NOT INCLUDED.



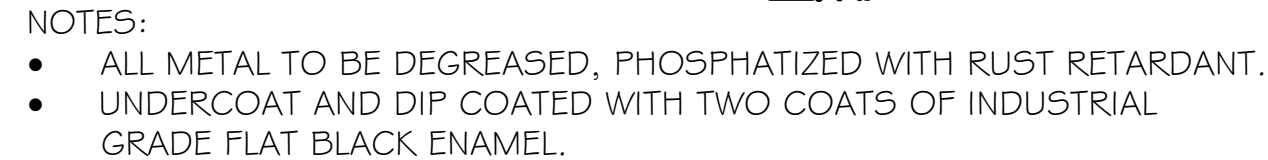
SECTION A-A



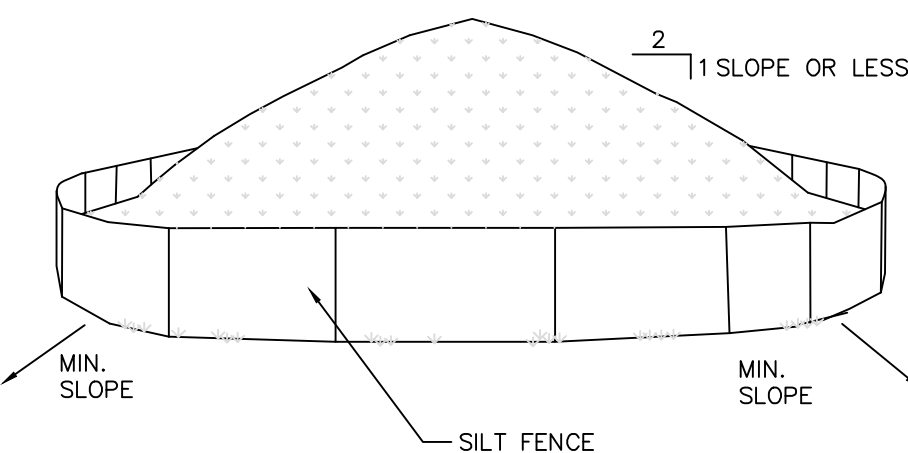
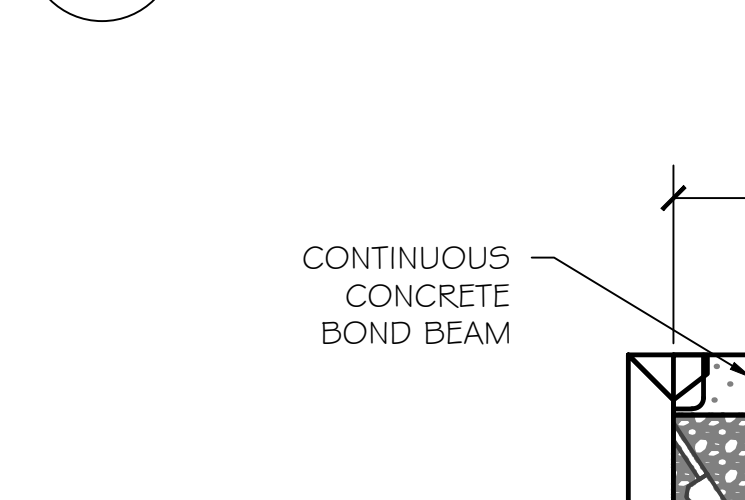
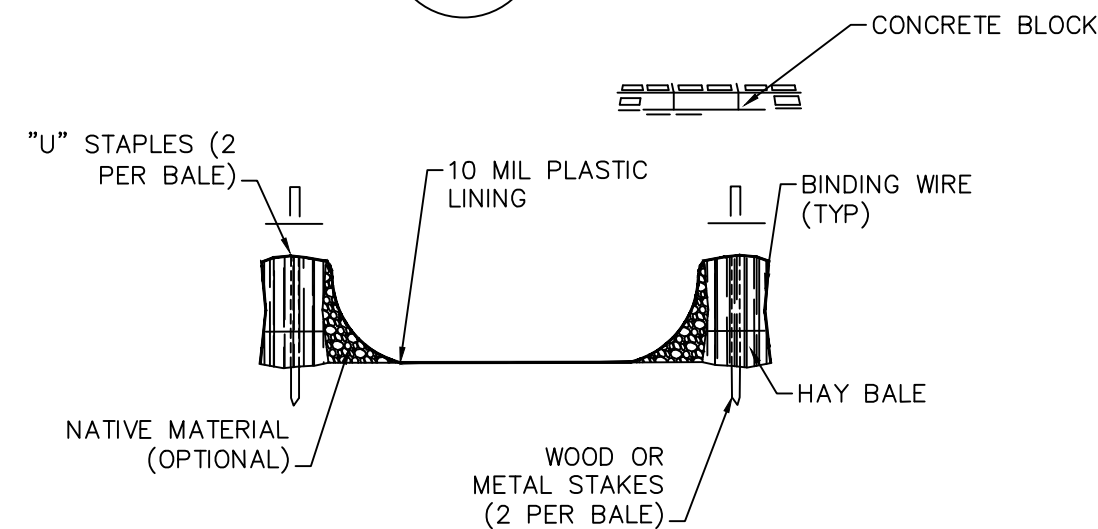
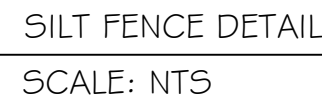
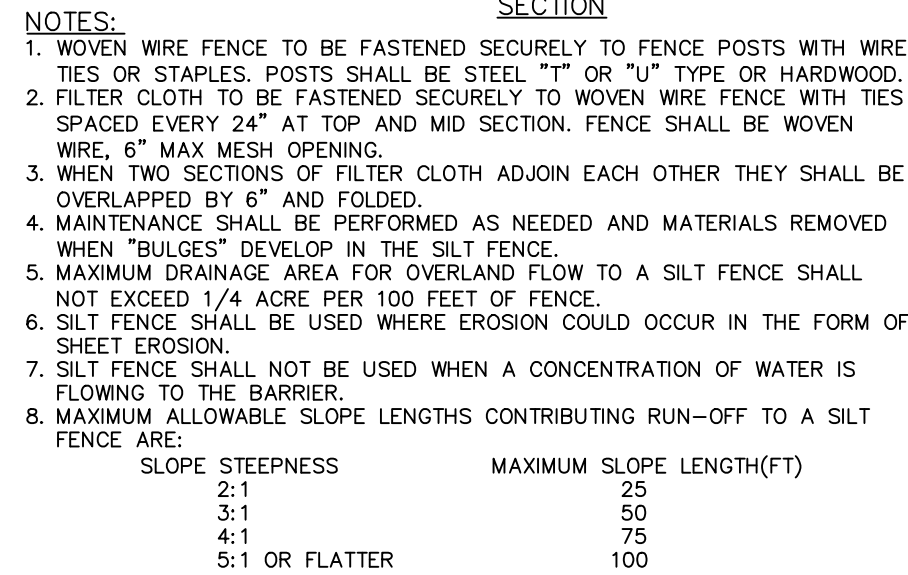
SHADED AREA ALL AT THE SAME FINISHED DEPTH.

**INTERPOOL**
48" WALL 6' X 18' OPEN POUR STEP & LEDGE

DATE: 03/18/24 | SCALE: NTS
CAD BY: P.T. | ACADREF: 48OPSTL-6X18R2

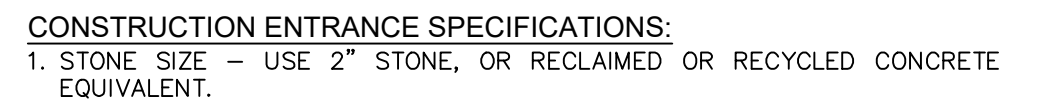


1. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", AUGUST 2010.
2. DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DRAINAGE.
3. AS MUCH AS IS PRACTICAL, EXISTING VEGETATION SHALL BE PRESERVED. FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED ON ALL EXPOSED SOILS.
4. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE THE SCOPE AND DURATION OF SOIL DISRUPTION.



NOTES:-

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.



2. THICKNESS - NOT LESS THAN SIX (6) INCHES.
3. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOUR FEET (24) FOOT IF SINGLE ENTRANCE TO SITE.
4. LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH APPROVED STONE AS CONDITIONS DEMAND AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



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4 OF 04