TAX SECTION 60.05 BLOCK 2 LOT 34

REFERENCES:

ALL BOUNDARY INFORMATION IS REFERENCED FROM A SURVEY PREPARED BY ROBERT R. SORACE, PLS DATED JULY 17, 2017 & TOPOGRAPHY DATED 10-14-17.

NOTES:

1. SITE PLAN IS GOOD FOR 3 YEAR TIME PERIOD FROM DATE OF APPROVAL.
2. APPLICANT/OWNER:
   ALIMETAJ
   606 PALMER DRIVE
   NYACK, NY
3. INFILTRATION RATE TO BE VERIFIED AT TIME OF CONSTRUCTION. DESIGN TO BE CHANGED AS NECESSARY. RATES WILL BE VERIFIED, DONE IN ACCORDANCE WITH THE TEST PROCEDURE OF THE NYSSMDM. AT THE TIME OF CONSTRUCTION TO VERIFY THE ASSUMED RATE USED IN THE DESIGN. THE DESIGN SHALL BE MODIFIED AS NECESSARY BASED ON THE TEST RESULTS.
4. NO POOL BACKWASH TO BE USED. A CARTRIDGE FILTER SYSTEM TO BE UTILIZED.
5. NO TREES ARE TO BE REMOVED.
6. EXCAVATED MATERIAL WILL BE REMOVED FROM SITE.
7. POOL CONTRACTOR TO INCORPORATE GROUNDWATER RELIEF MEASURES AS NECESSARY BUT NOT LIMITED TO UNDERDRAIN AROUND POOL INTO PUMPING SYSTEM.

RESIDENCE ZONE R-1

	MINIMUM LOT AREA	STREET FRONT SETBACK FEET	FRONT SETBACK FEET	SIDE SETBACK FEET	REAR SETBACK FEET	LIVABLE FLOOR AREA 1ST FLOOR	LIVABLE FLOOR AREA 2ND FLOOR	MAXIMUM BLDG. LENGHT	MAX. COVERAGE BY BLDG & STRUCTURES	MAX. COVERAGE BY PRIMARY BUILDING
REQD.	40000 SQ. FT.	150	55	30	30	800 SF	750 SF	55 FEET	20%	10%
PROD.	58,968 SQ. FT.	150.0	83.0	31.4 +/-SE; 46.5 POOL CABANA	229+/-SE; 189 POOL 20.4 + CABANA	2,155 SF	2,180 SF	55 FEET	18.6%	4.1%

* VARIANCE REQUIRED

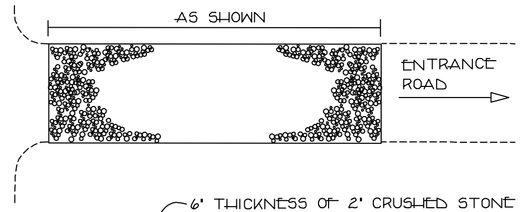
DEVELOPMENT COVERAGE:
EX. WALKS, WALLS, PATIO & DRIVE - 6,539 SF
EX. HOUSE: - 2,192 +/-2,192 SF
EX. SHED TO BE REPLACED - 120 +/-120 SF
PRO. POOL CABANA & EQUIP. PAD - 1004 SF
PRO. POOL PATIO - 945+644(NEW) SF= 1,007 SF
TOTAL: 10,962 SF
PROPOSED DEV. COVERAGE= 10962/58968=0.186%

STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

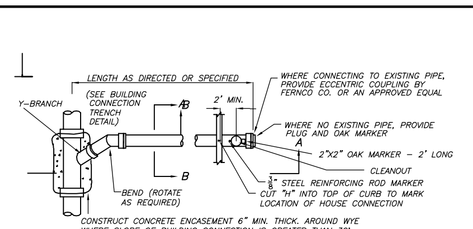
ALTERNATE DETAIL
TRENCH WITH GRAVEL

NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

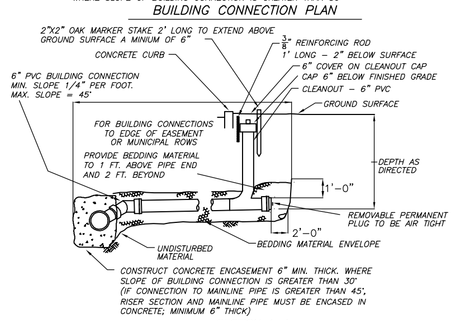
SILT FENCE
N.T.S.



STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

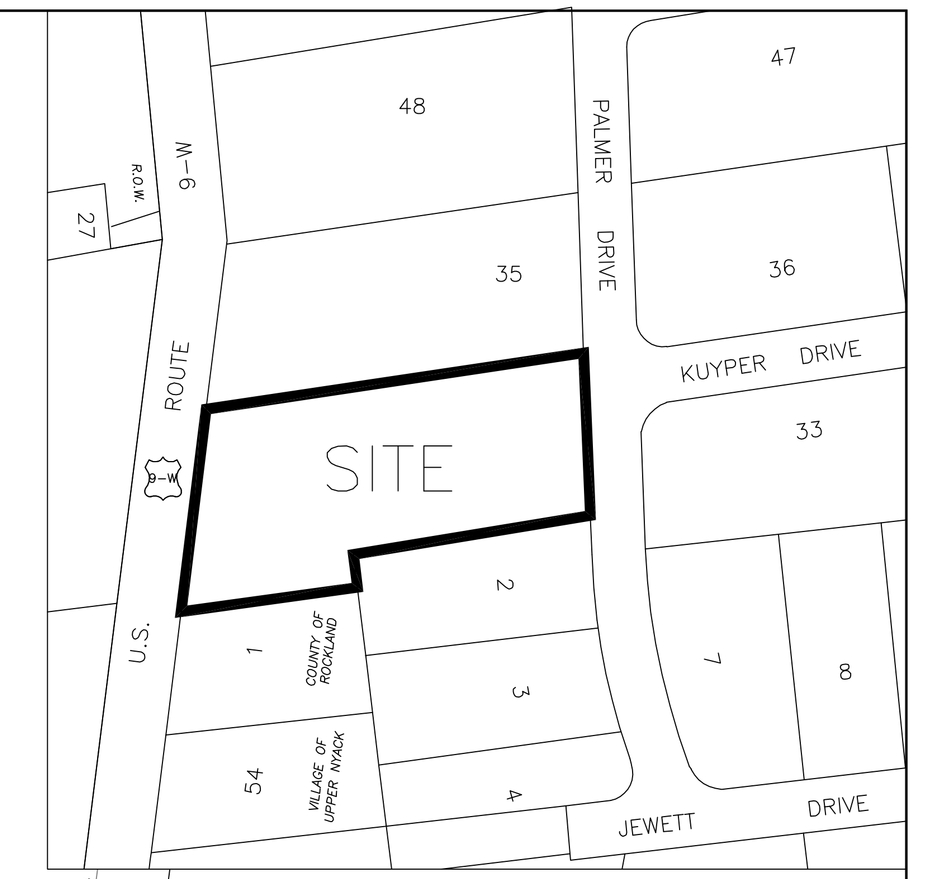


BUILDING CONNECTION PLAN

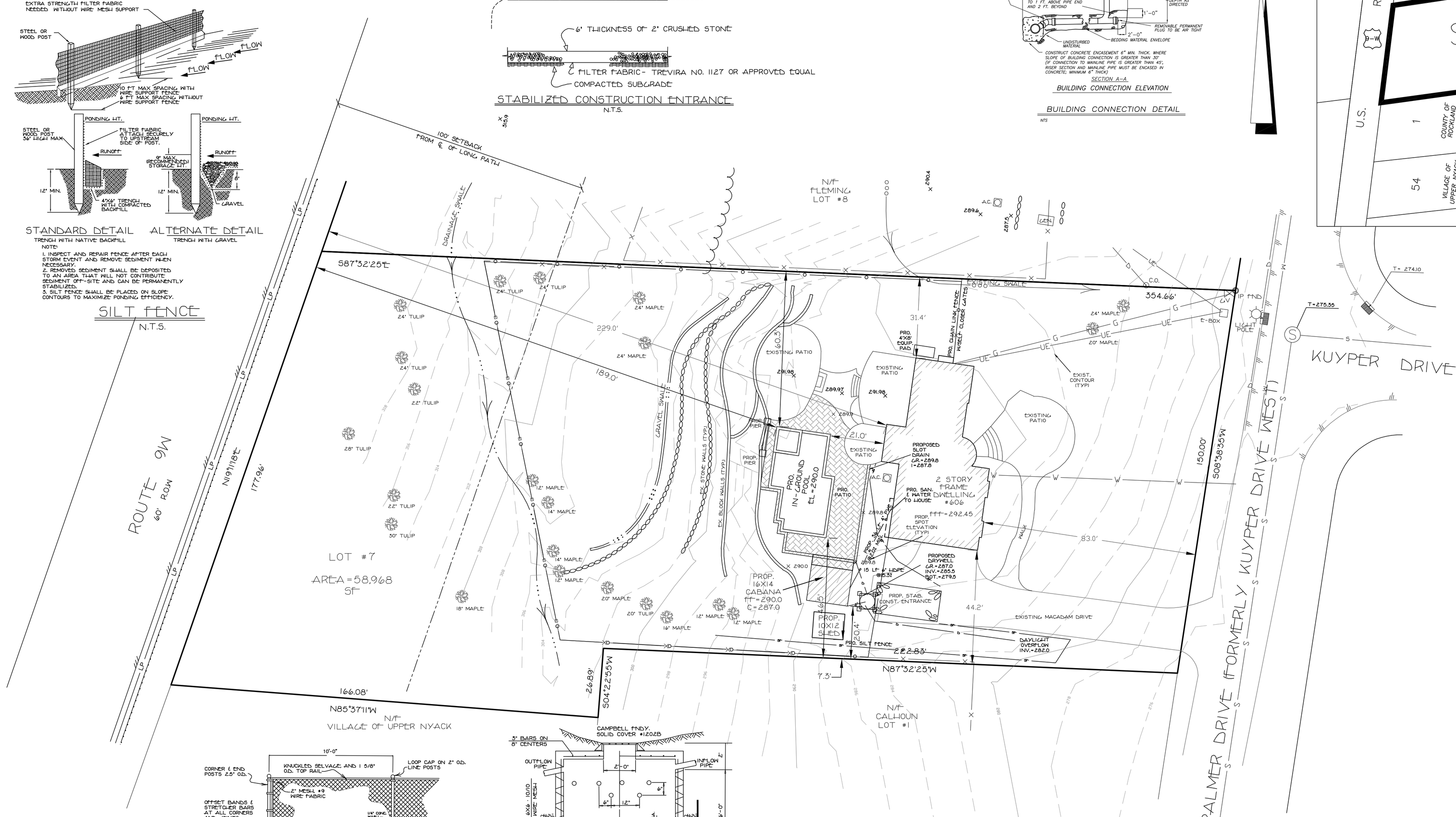


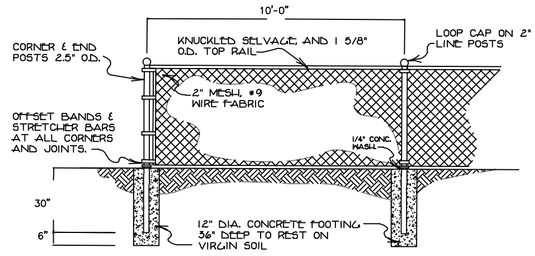
BUILDING CONNECTION ELEVATION

BUILDING CONNECTION DETAIL
NTS

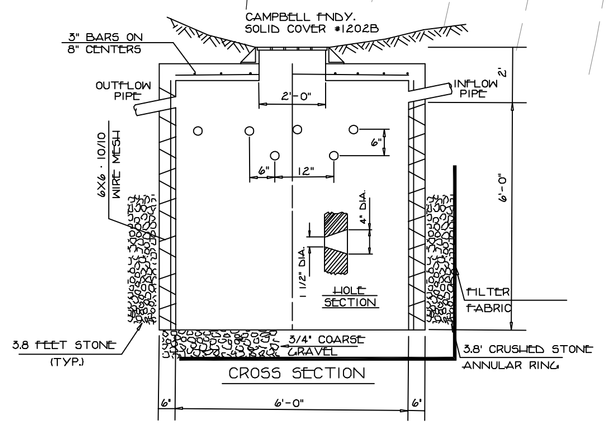


KEY MAP
SCALE 1"=100'

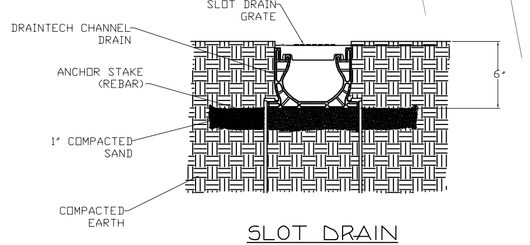




CHAIN LINK FENCE
N.T.S.



DETENTION BASIN DRYWELL
NTS



SLOT DRAIN
SCALE: N.T.S.

Drywell Design:

Development size =	0.0485 Acre	
Undeveloped SCS Curve No.=	74.0000	
Developed SCS Curve No.=	98.0000	
1. Select Design Storm		
100 year, 24-hour		
2. Type of subsurface disposal system:		
Precast drywell with 3-3/4" crushed stone		
3. Determine Percolation Rate:		
Percolation Rate:		
Drop	1.0000 inches	
Time	30.0000 minutes	
a. Area of Percolation (Ap):		
Surface area of Cylinder		
Ac=Pi*Dhavg		
D=	1.0000 foot	
havg=	8.5000 inches	
Ac=	2.2253 Ft^2	
Bottom Area		
Ab=Pi*^2		
Ab=	0.7854 Ft^2	
Volume of Percolation:		
Ap=Ac+Ab		
Ap=	3.0107 Ft^2	
Vp=Ab*h	0.0654 Ft^3	
Soil Percolation Rate		
Sr=volume/area/time	0.0007 Ft^3/Ft^2/Min.	
Sr=	1.0435 Ft^3/Ft^2/day	
Sm=minus clogging factor of 25%)	0.7826 Ft^3/Ft^2/day	
4. Calculate Required Storage Volume:		
100yr. 24 hour rainfall=	9.0000 inches	
From Table 2-1 of TR-55		
Existing CN=	74.0000 therefore depth Vr=	5.83 Inches
Proposed CN=	98.0000 therefore depth Vr=	8.76 Inches
DeltaVr=	2.9300 Inches	
Vs=deltaV*Area		
Vs=	515.4358 Ft^3	
5. Calculate Volume per Drywell:		
Vw=Pi*r^2*height		
Thickness of Stone=	3.8000 feet	
Thickness of drywell wall=	0.3300 feet	
Diameter of drywell=	6.0000 feet	
Height of drywell=	6.0000 feet	
Vw=	415.1596 Ft^3	
6. Calculate 24-hour percolation volume per drywell(Vp):		
Vp=bottom surface area*soil percolation rate(Sr)		
Vp=Pi*r^2*Sr		
Vp=	124.9895 Ft^3/day/drywell	
Only Bottom of drywell included		
7. Calculate the total 24-hour Volume per drywell (Vt):		
Vt=Volume of drywell(Vw)+percolation volume(Vp)		
Vt=	540.1491 Ft^3	
8. Determine number of drywells required (DWr):		
DWr=Req. Volume of Storage(Vs)/Total Vol. per Drywell(Vt)	0.9542	
DWr=		
	USE 1	

POOL PLAN
FOR
ALIMETAJ
LOCATED IN
VILLAGE OF UPPER NYACK
TOWN OF CLARKSTOWN
ROCKLAND COUNTY, NEW YORK

3 1/25/20 ADD CABANA
2 6-5-19 CHANGE POOL & PATIO
1 10-11-18 REVISE AS PER COMMENTS

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FILE # 606ALIMETAJ
DATE 10/14/17
SCALE 1"=20'