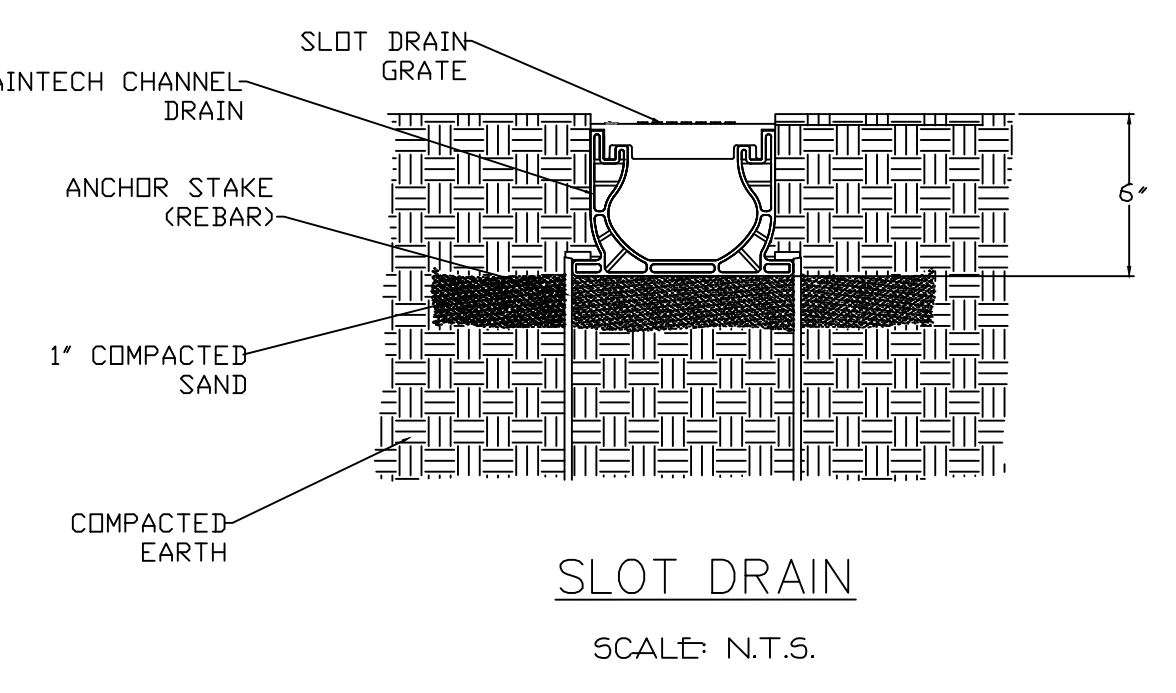
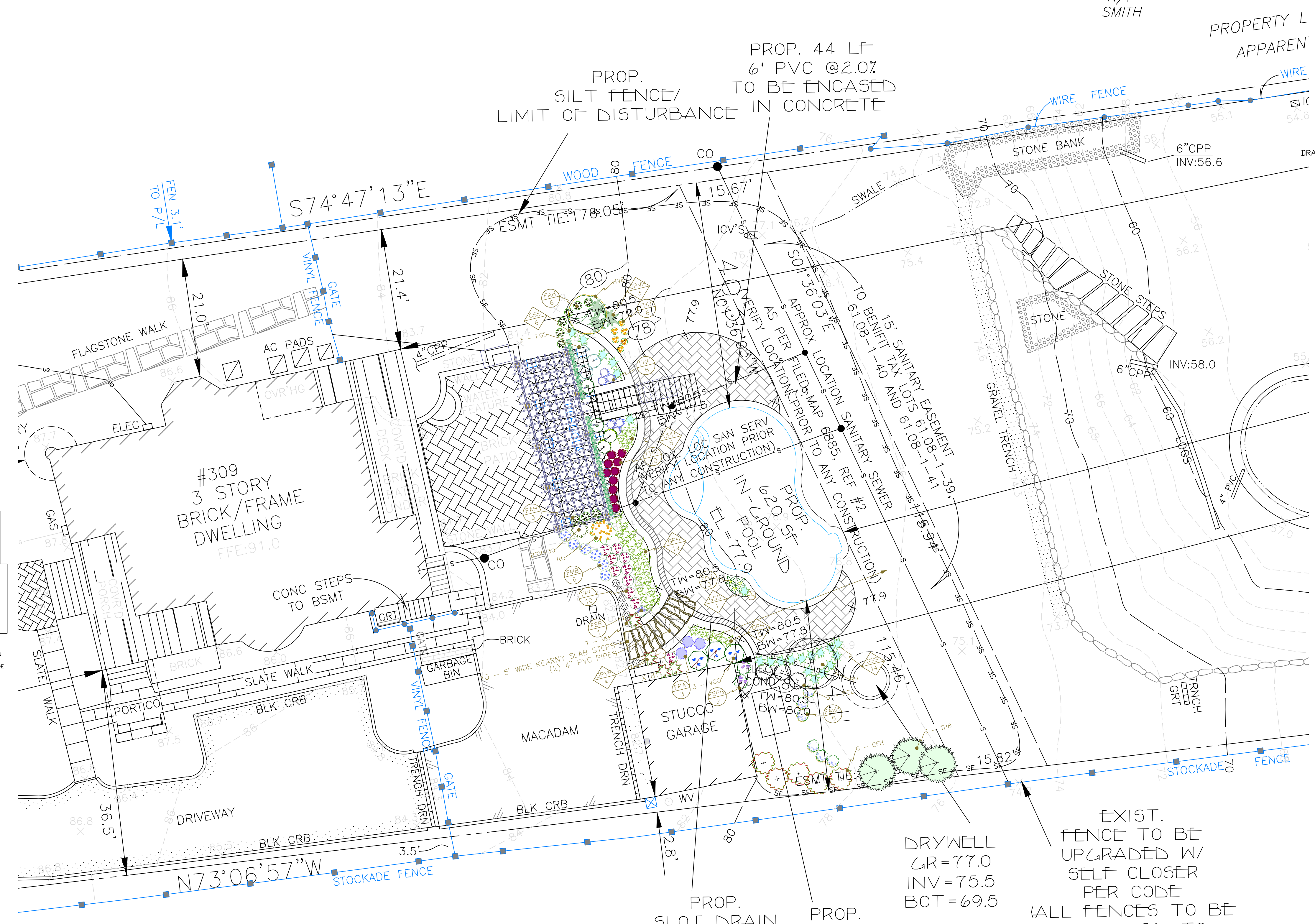


SOILS PERCOLATION FIELD 'C'
 DEVELOPMENT SIZE = 0.0291 ACRE
 UNDEVELOPED SCS CURVE NO. = 74.0000
 DEVELOPED SCS CURVE NO. = 98.0000
 L SELECT DESIGN STORM = 100 YEAR 24-HOUR = 9.3
 A TYPE OF SUBSPACE DISPOSAL SYSTEM
 PRECAST DRYWELL WITH 30" DIA. ROUNDED STONE
 1. DETERMINE PERCOLATION RATE
 PERCOLATION RATE = 10000 INCHES
 DOP = 300000 MINUTES
 TIME = 10000 FOOT
 SURFACE AREA OF CYLINDER = 60000 INCHES
 AC = 4.7619 AC
 D = 10000 FOOT
 AC = 60000 INCHES
 BOTTOM AREA = 22253 FT²
 AB = 14142 FT²
 AD = 0.7854 FT²
 VOLUME OF PERCOLATION = 5007 FT³
 AP = 5007 FT³
 VP = 5007 FT³
 SOIL PERCOLATION RATE = 0.0007 FT³/FT²/MIN.
 SR = 10435 FT³/FT²/DAY
 SR = 0.7826 FT³/FT²/DAY
 2. CALCULATE REQUIRED STORAGE VOLUME
 24-HOUR RAINFALL = 9.3000 INCHES
 FROM TABLE 2-1 OF TR-55
 EXISTING CN = 74.0000 THEREFORE DEPTH V_R = 4.11 INCHES
 PROPOSED CN = 98.0000 THEREFORE DEPTH V_P = 8.10 INCHES
 DELTA V_R = 3.99 INCHES
 V_S = DELTA V_R X AREA = 425258 FT³
 3. CALCULATE VOLUME PER DRYWELL
 VOLUME OF STONE = 30000 FEET
 THICKNESS OF STONE = 0.3333 FOOT
 DIAMETER OF DRYWELL = 60000 FEET
 HEIGHT OF DRYWELL = 60000 FEET
 V_D = 3745 FT³
 4. CALCULATE 24-HOUR PERCOLATION VOLUME PER DRYWELL
 VOLUME OF PERCOLATION = 5007 FT³
 PERCOLATION RATE = 0.0007 FT³/FT²/MIN.
 V_P = 5007 FT³
 V_D = 3745 FT³
 5. CALCULATE THE TOTAL 24-HOUR VOLUME PER DRYWELL
 V_T = V_D + V_P = 425258 FT³
 6. DETERMINE NUMBER OF DRYWELLS REQUIRED
 DRYWELL VOLUME OF STORAGE = 3745 FT³
 TOTAL VOL. PER DRYWELL = 0.98
 DN = 1

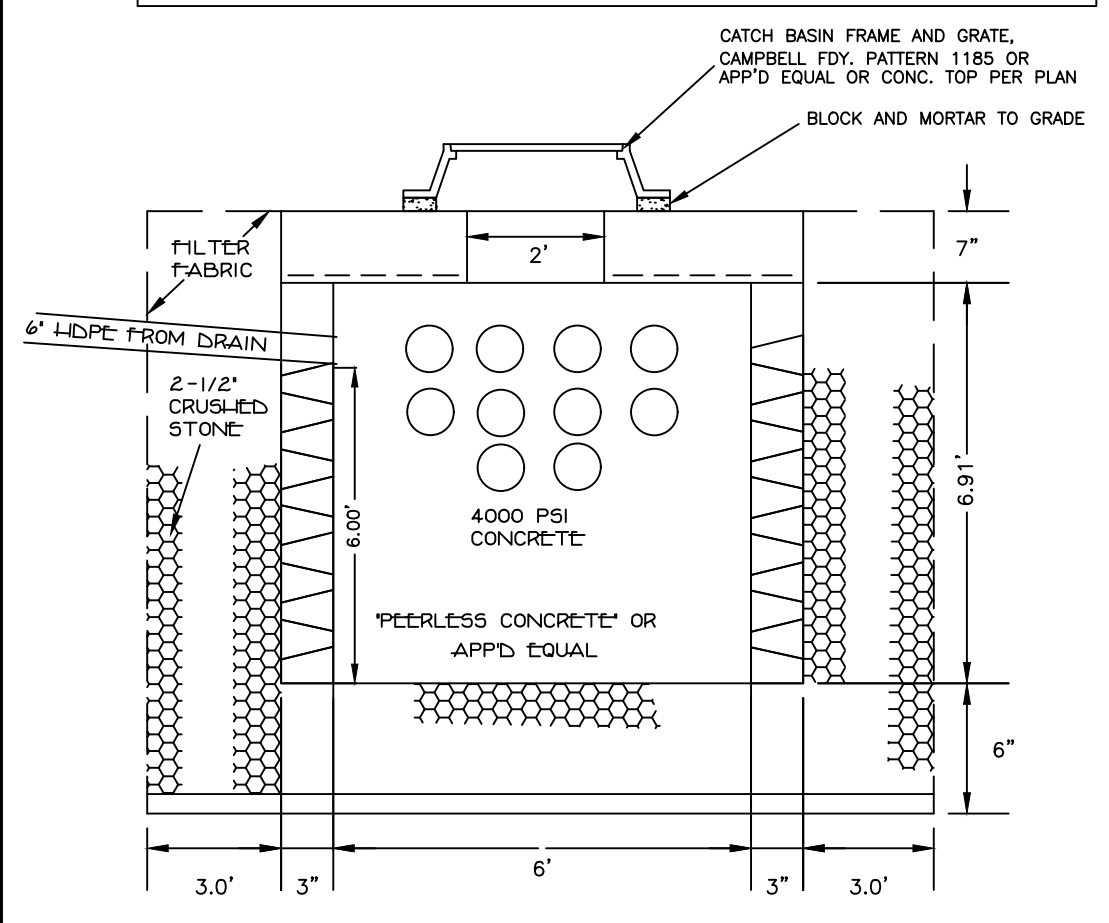
60.18-1-41
N/F
SMITH

PROPERTY L
APPAREN

PROP. 44 LF
6" PVC @ 2.0%
TO BE ENCASED
IN CONCRETE



NOTES:
 1. SET PIT IN 15'x15' OVERALL EXCAVATION, BACKFILL WITH ALL CLEAN STONE.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING SEASONAL HIGH WATER TABLE. NO SEEPAGE PITS AND/OR STONE SHALL BE SET BELOW SEASONAL HIGH WATER AND ENGINEER MUST BE CONTACTED IN WRITING SHOULD WATER BE ENCOUNTERED.
SEEPAGE PIT MAINTENANCE NOTES
 1. SEEPAGE PITS SHALL BE MAINTAINED BY THE OWNERS OF THE LOTS ON WHICH THEY ARE SITUATED.
 2. SAID OWNERS SHALL INSPECT SEEPAGE PITS ON A TWICE YEARLY BASIS AND REMOVE ANY ACCUMULATED SEDIMENT (OR AFTER ANY SIGNIFICANT STORMS).
 3. IF EVIDENCE PERISTS THAT THE SEEPAGE PITS ARE NOT FUNCTIONING PROPERLY (I.E. WATER BACKING-UP IN SYSTEM, ETC.), THE OWNERS SHALL INSPECT THE PITS AS SOON AS REASONABLY POSSIBLE AND MAKE NECESSARY REPAIRS TO ENSURE PROPER FUNCTION OF THE SYSTEM.



EXIST. FENCE TO BE UPGRADED W/ SELF CLOSER PER CODE (ALL FENCES TO BE UPGRADED TO CODE AS NECESSARY)

PROP. SLOT DRAIN
 GR = 77.8
 INV. = 77.0

DRYWELL
 GR = 77.0
 INV = 75.5
 BOT = 69.5

DATE	REVISIONS
DESIGNED EM	CHECKED PG
DRAWN EM	APPROVED PG

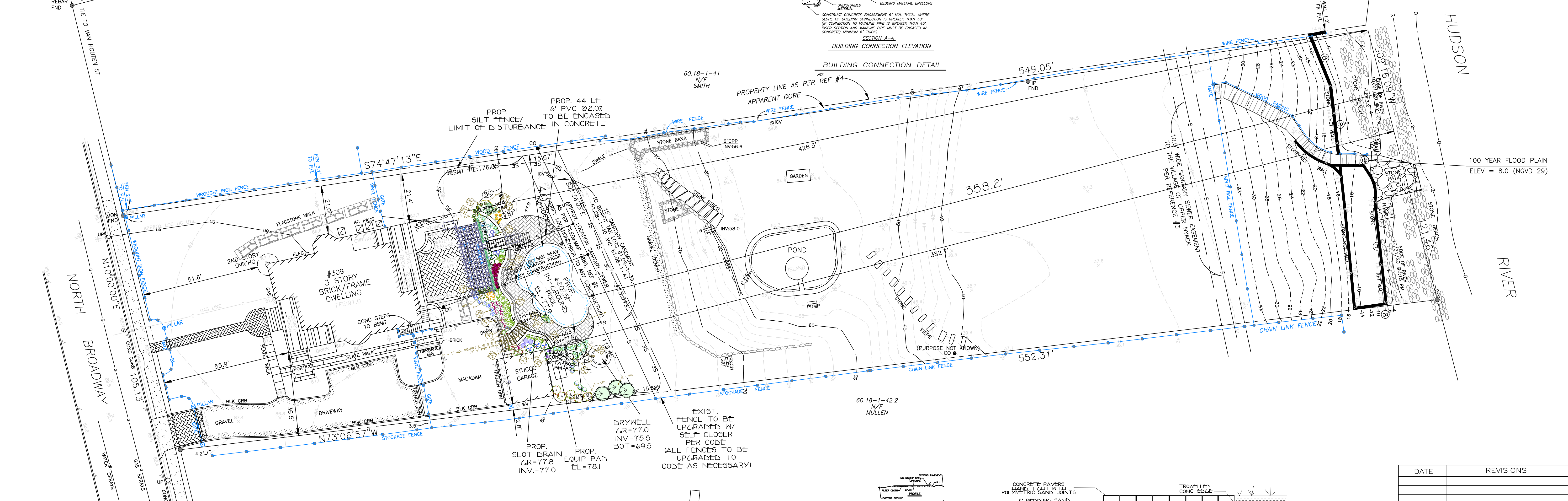
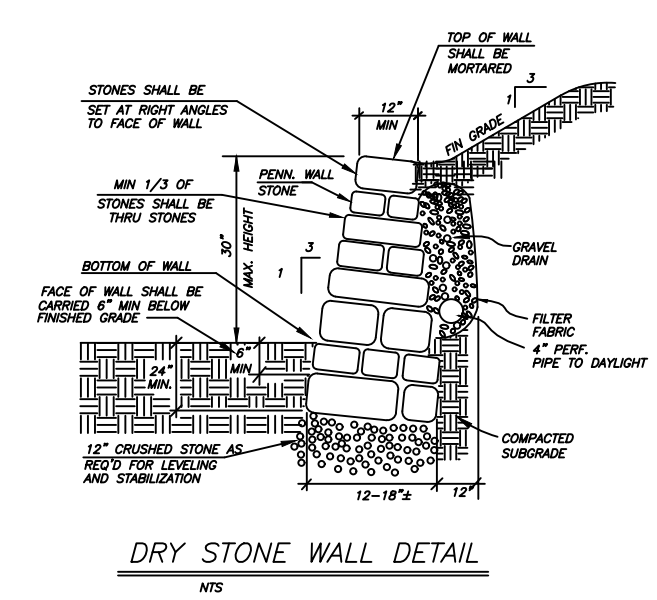
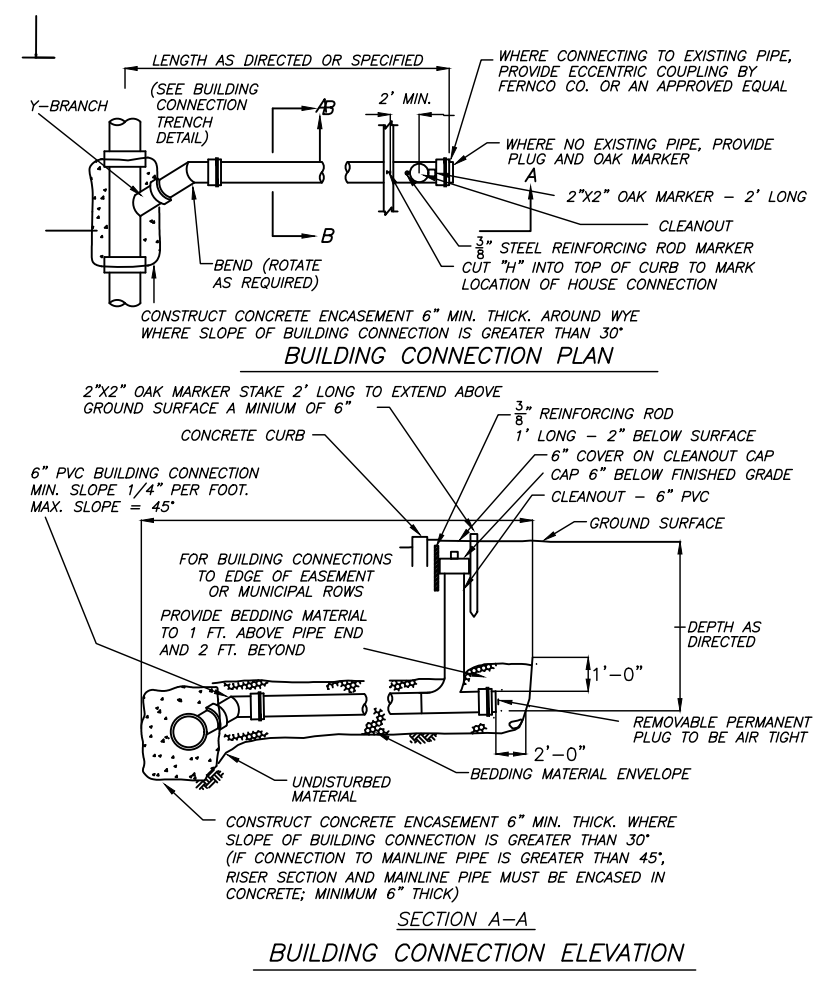
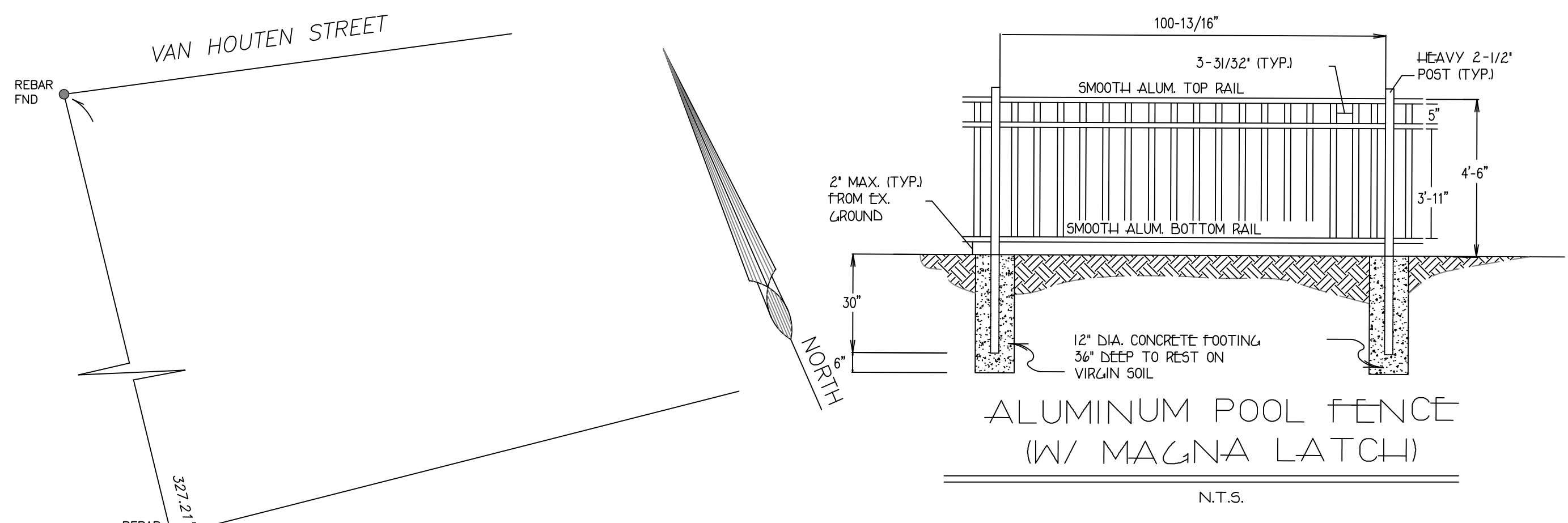
GRADING PLAN FOR POOL
 FOR TAX LOT 60.18-1-42.1
 PALANO
 VILLAGE OF UPPER NYACK
 TOWN OF CLARKSTOWN
 ROCKLAND COUNTY, NEW YORK

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 USE OF THIS INSTRUMENT IN ANY COURT OR IN ANY TRANSACTION OR FILING WITH ANY STATE OR FEDERAL OFFICE IS AN UNLAWFUL VIOLATION OF FEDERAL LAWS.

 PAUL GDANSKI, P.E.

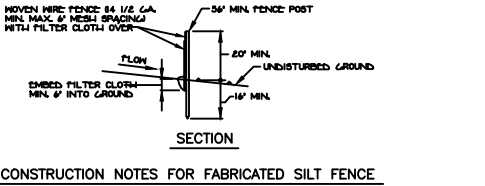
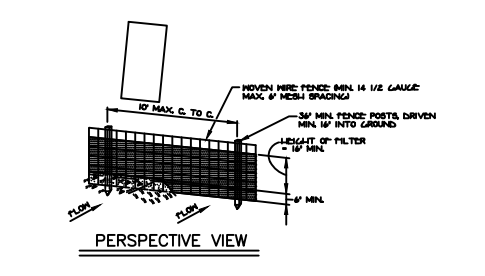
PAUL GDANSKI P.E., PLLC
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 SLOATSBURG, N.Y. 10974
 TEL: (917) 418-0999
 EMAIL: PGSKI@EARTHLINK.NET

309NBROAD
 NOV. 24, 2020
 SCALE: 1"=10'
 3 OF 3



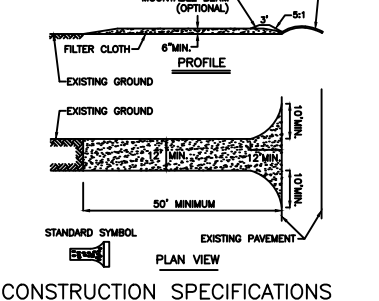
LEGEND

SANITARY MANHOLE W/PIPES	SMH
DRAINAGE INLET W/PIPES	DMH
DRAIN MANHOLE/ WITH PIPES	DMH
CATCH BASIN	CB
TOP CURB @ CATCH BASIN	TCCB
TOP GRATE FIELD INLET	TGFI
DRAIN INLET	INLET
UTILITY POLE	UP
UTILITY POLE WITH LIGHT	UPL
WATER VALVE	WV
GAS VALVE	GV
OVERHEAD WIRES	OHW
BLACKTOP PAVEMENT	BT
CONTOUR LINE	520
SPOT GRADE	x 520.5
WATER MAIN	W
GAS MAIN	G
ELECTRIC LINE	E
CHAIN LINK FENCE	CLF
STOCKADE FENCE	STK
BUILDING ENTRANCE	ENT
CORRUGATED PLASTIC PIPE	CPP
IRRIGATION CONTROL BOX	ICV

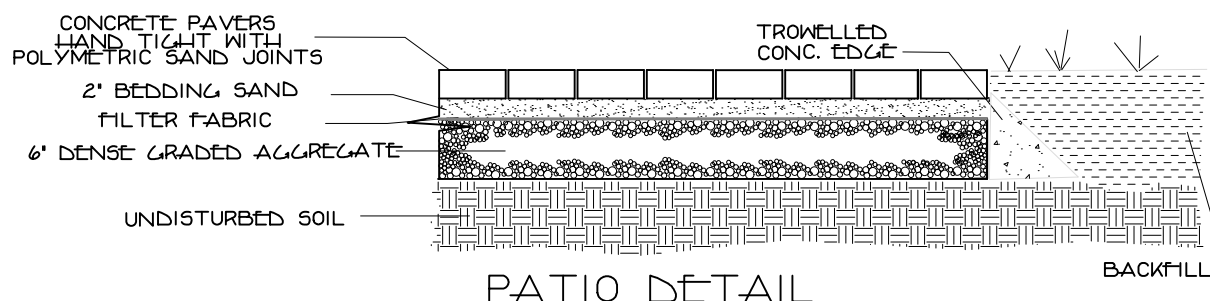


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
1. SILT FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
2. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.
3. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.
4. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.
5. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.
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8. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.
9. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.
10. SILT FENCE SHALL BE CONSTRUCTED ON A MINIMUM OF 6" OF COMPACTED SAND OR GRAVEL.

EROSION CONTROL NOTES AND SEQUENCE
1. EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
2. EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
3. EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
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9. EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
10. EROSION CONTROL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.



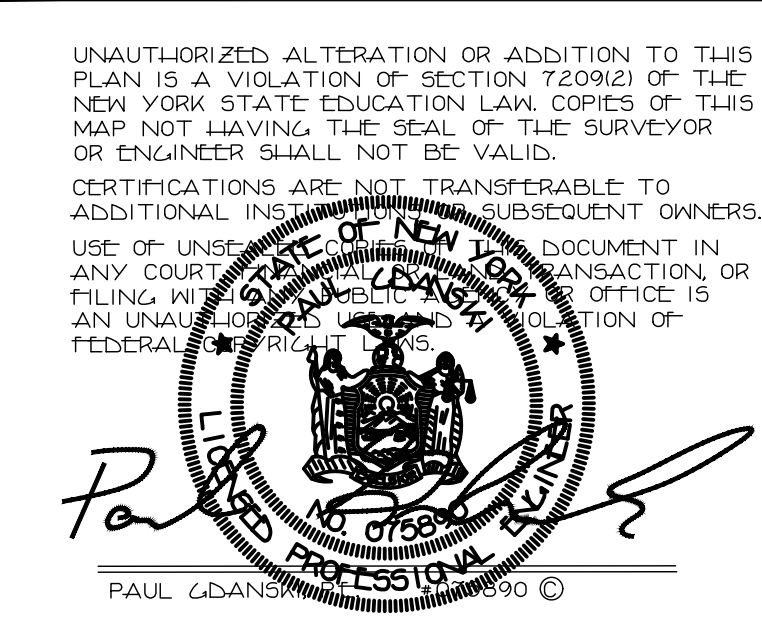
CONSTRUCTION SPECIFICATIONS
1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
2. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
3. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES:
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10. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING NOTES.



DATE	REVISIONS
DESIGNED <u>EM</u>	CHECKED <u>PG</u>
DRAWN <u>EM</u>	APPROVED <u>PG</u>

SITE PLAN FOR POOL

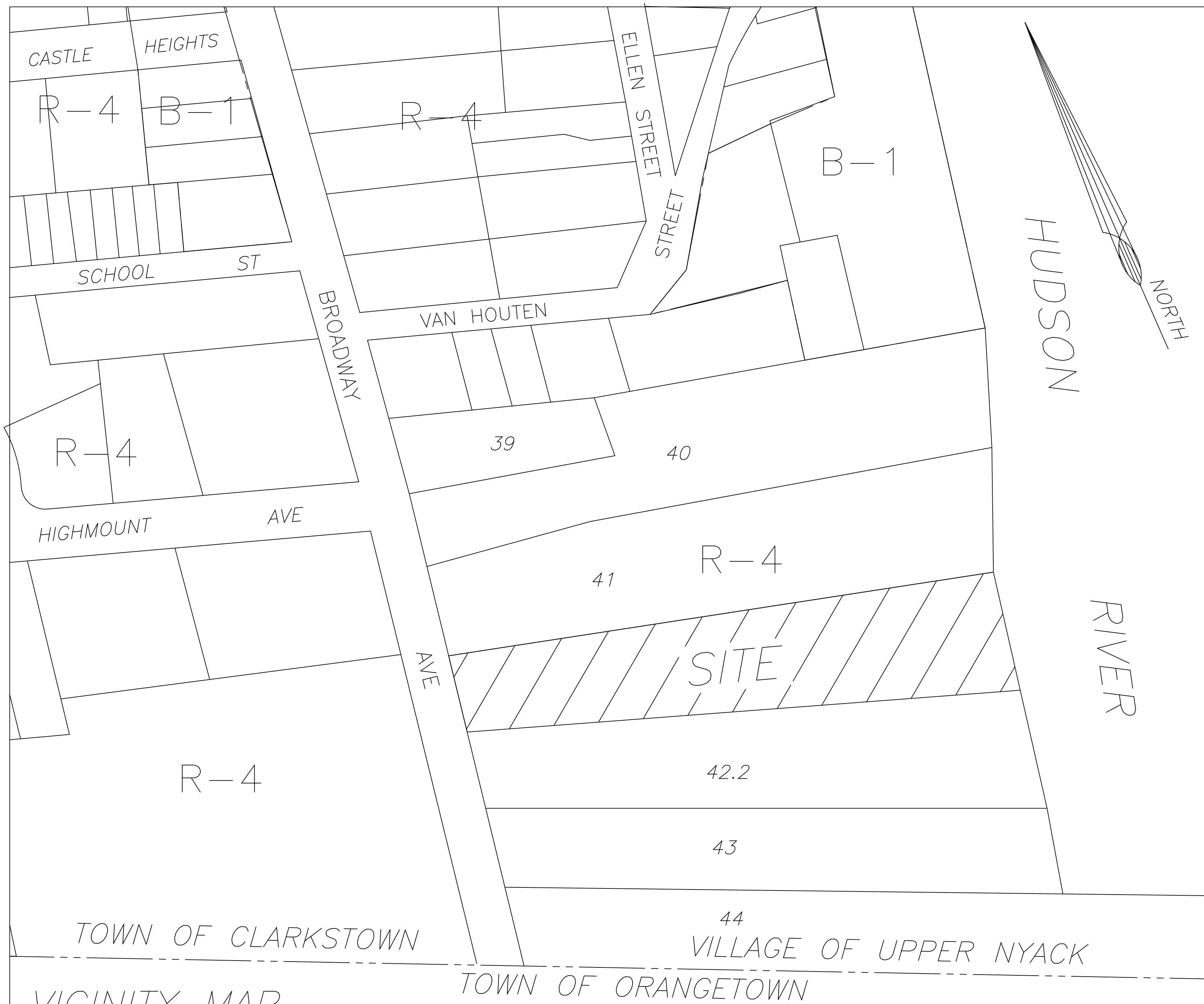
FOR TAX LOT 60.18-1-42.1
PALANO
VILLAGE OF UPPER NYACK
TOWN OF CLARKSTOWN
ROCKLAND COUNTY, NEW YORK



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TEL: (917) 418-0999
EMAIL: PGSKI@EARTHLINK.NET

309NBROAD
NOV. 24, 2020
1"=20'
2 OF 3

REFERENCES:
 ALL BOUNDARY & TOPOGRAPHY INFORMATION IS REFERENCED FROM A SURVEY PREPARED BY JAY A. GREENWELL, PLS LAST REVISED NOVEMBER 9, 2020.



BULK REQUIREMENTS ZONE R-4

USE GROUP	MINIMUM LOT AREA	STREET FRONT (FEET)	FRONT SETBACK (FEET)	SIDE SETBACK (FEET)	TOTAL SIDE SETBACK (FEET)	SIDE YARD POOL (FT)	REAR SETBACK (FEET)	REAR YD POOL (FT)	PRIM BLDG COVERAGE (PERCENT)	MAXIMUM HEIGHT (FEET)	MAX. COV. BLDGS/STRUC (PERCENT)	MIN. LIV. AREA SQ. FT.
REQD.	10000 SQ. FT.	90	35	25	50	25	25	25	20.0	55.0	40.0	1550
EXIST.	55496 SQ. FT.	105.1	51.6	210.4	57.5	NA	582.7	NA	4.8	155	15.5	2194
PROD.	55496 SQ. FT.	105.1	51.6	210.4	57.5	34.1	582.7	558.2	4.8	155	18.5	2194

* PRE-EXISTING
 MAX COVERAGE BY BUILDINGS & STRUCTURES:
 EX: DWELLING & PORCH = 2477 SF
 EX: GARAGE = 371 SF
 EX: FRONT WALKS/GARAGE PAD = 657 SF
 EX: DRIVEWAY = 2892 SF
 EX: BACK PATIO, STEP STONES & WALKS = 1056 SF
 EX: FENCE = 800 SF
 EX: SLOPE STEPS = 150 SF
 EX: FRONT PIERS = 14 SF
 PROP. POOL/COPIING = 744 SF
 PROP. RATIO = 770 SF
 PROP. HALL & STAIRS = 155 SF
 PROP. EQUIP PAD = 40 SF
 TOTAL = 8419 SF + 1709 SF = 10128 SF/55496 SF = 18.5%

NET LOT AREA CALCULATIONS:
 41984 SF GROSS LOT AREA
 - 0.5% (20992 SF) AREA OF SLOPES ±20%
 NET LOT AREA = 55496 SF

- NOTES:
- RECORD OWNER & APPLICANT: GIUSEPPE & DENISE PAGANO
 309 NO. BROADWAY
 UPPER NYACK, NY 10960
 - ZONE R-4
 - AREA = 61986 (146 ACRES)
 - EXISTING TAX LOT: 6018-1-42.1
 - ALL UTILITIES ARE EXISTING. ANY NEW UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE SHALL BE INSTALLED UNDERGROUND.
 - THIS PLAT DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239-M OF THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK.
 - THE CORNERS OF THE LOTS SHALL BE MARKED WITH METAL RODS 3/4" IN DIAMETER, AND AT LEAST 30' IN LENGTH TO BE INSTALLED AFTER FINAL GRADING.
 - ALL AREAS DISTURBED BY ON-SITE GRADING SHOULD BE LIMED AND FERTILIZED PRIOR TO SEEDING.
 - WATER SUPPLY BY SUZEV NY.
 - SANITARY SEWER AND WATER SERVICES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SEPARATION OF TEN FEET.
 - SUBJECT TO VILLAGE AND STATE CONSTRUCTION AND UTILITY STANDARDS, AS APPLICABLE.
 - THE DEVELOPER SHALL CONFORM TO THE "NEW YORK STANDARDS FOR URBAN EROSION AND SEDIMENT CONTROL".
 - PROTECTION OF TREES: NO MATERIAL OR TEMPORARY SOIL DEPOSITS SHALL BE PLACED WITHIN THE DRIP LINE OF ANY EXISTING TREE TO BE PRESERVED, EXCEPT WHERE ENGAGED FOR TREE REMOVAL. NO EQUIPMENT SHALL BE OPERATED WITHIN 50% OF CRITICAL ROOT RADIUS OF ANY TREE PROPOSED TO BE PROTECTED IN THIS ORDINANCE NOR SHALL EQUIPMENT BE OPERATED AT ANY TIME IN SUCH MANNER TO BREAK, TEAR, BRUISE, DECORITICATE OR OTHERWISE INJURE ANY LIVING OR DORMANT TREE.
 - PLANNING BOARD AND ARCHITECTURAL BOARD APPROVAL FOR SITE AND HOUSE PLANS IS REQUIRED PRIOR TO ISSUANCE OF A BUILDING PERMIT. AT THE TIME OF SITE PLAN SUBMISSION, A DETAILED TREE LOCATION PLAN SHALL BE PROVIDED IN ACCORDANCE WITH VILLAGE REQUIREMENTS.
 - SITE PLAN SHALL BE VALID FOR A PERIOD OF THREE YEARS FROM THE DATE OF APPROVAL, WITHIN WHICH TIME APPLICANT SHALL SECURE A BUILDING PERMIT.
 - EXISTING TREES SHOWN ON THE GRADING PLAN TO REMAIN ARE TO REMAIN UNDISTURBED AND BE PROTECTED WITH A 6 FOOT HIGH WOODEN FENCE WITH POSTS PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FT. MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE SHOWN TO REMAIN THAT IS REMOVED DURING CONSTRUCTION SHALL BE REPLACED BY A 4" CALIPER HARDWOOD SHADE TREE AS DIRECTED BY THE LANDSCAPE ARCHITECT. WHEN AN AREA OF EXISTING TREES IS SHOWN TO BE SAVED, AND AN AREA OF SUCH TREES HAS BEEN REMOVED, A 2 1/2"-3" CALIPER HARDWOOD SHADE TREE SHALL BE PLACED FOR EVERY 300 SF OF AREA DISTURBED.
 - ALL TREES SCHEDULED FOR REMOVAL MUST HAVE A VALID VILLAGE OF UPPER NYACK TREE PERMIT PRIOR TO CUTTING OR REMOVAL.

VICINITY MAP
 SCALE: 1" = 100'

DATE	REVISIONS
DESIGNED <u>EM</u>	CHECKED <u>PG</u>
DRAWN <u>EM</u>	APPROVED <u>PG</u>

COVER SHEET & NOTES
 FOR TAX LOT 6018-1-42.1
 PAGANO
 VILLAGE OF UPPER NYACK
 TOWN OF CLARKSTOWN
 ROCKLAND COUNTY, NEW YORK

PAUL GDANSKI P.E., PLLC
 633 WOODMONT LANE
 SLOATSBURG, N.Y. 10974
 TEL: (917) 418-0999
 EMAIL: PGSKI@EARTHLINK.NET

309NBROAD
 NOV. 24, 2020
 AS SHOWN
 1 OF 3

APPROVED FOR FILING:

 OWNER

 CHAIRMAN, PLANNING BOARD

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PAUL GDANSKI
 PROFESSIONAL ENGINEER
 No. 10758