

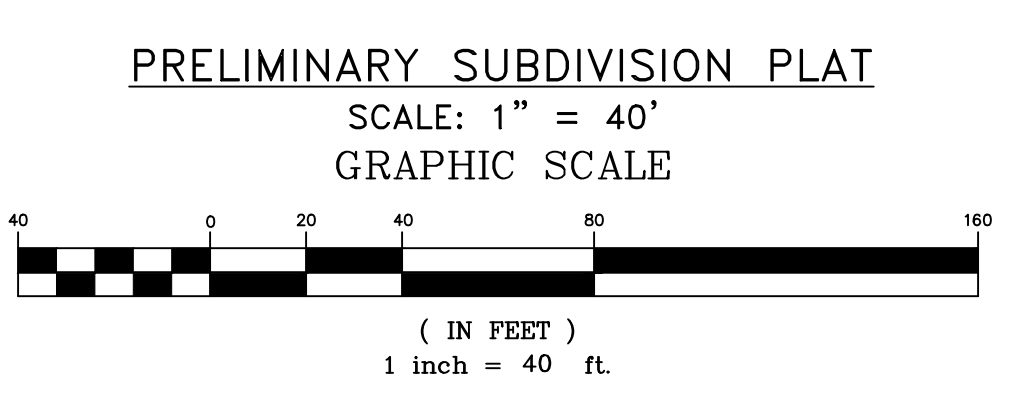






SCHEDULE OF REGULATIONS (R-40 ZONING DISTRICT)						
& LOT CONFORMANCE TABLE:						
PARAMETER	REQUIREMENT	LOT #1	LOT #2	LOT #3	LOT #4	LOT #5
LOT AREA	45,000 SQUARE FEET MIN	63,173 SF	69,147 SF	132,701 SF	158,075 SF	141,406 SF
LOT WIDTH	125 FEET MINIMUM	164.5 FEET	195.5 FEET	281.2 FEET	263.6 FEET	369.7 FEET
LOT DEPTH	125 FEET MINIMUM	273.9 FEET	369.6 FEET	266.6 FEET	444.9 FEET	371.5 FEET

DRAWN BY: AG			CHECKED BY: MAB		
REVISIONS:			REVISIONS:		
NO.	DATE	DESCRIPTION	BY	NO.	DATE
1	7/18/22	REVISED PER PB COMMENTS	ESR		
2	8/18/22	REVISED PER PB COMMENTS	ESR		
3	10/10/22	REVISED PER PB & DCDBCH	ESR		



HUDSON LAND DESIGN  
PROFESSIONAL ENGINEERING P.C.  
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PRELIMINARY SUBDIVISION PLAT  
**KIMMEL SUBDIVISION**  
325 PINE RIDGE DRIVE  
TOWN OF WAPPINGER  
DUTCHESS COUNTY, NEW YORK  
TAX ID: 6256-04-624259 & 608305; & 647304

JOB #:	2017-008
DATE:	05/16/2022
SCALE:	1" = 40'
TITLE:	PLAT-1
SHEET:	2 OF 5



# **SITE SPECIFIC NOTES:**

- CONTRACTOR IS REQUIRED TO HAVE ALL EXISTING UTILITIES MARKED IN THE FIELD PRIOR TO BEGINNING WORK. ANY POTENTIAL UTILITY CROSSINGS AND/OR INTERFERENCES MUST BE EVALUATED BY THE DESIGN ENGINEER TO DETERMINE IF DESIGN CHANGES ARE WARRANTED.
- CONTRACTOR SHALL NOT ASSUME THAT ELEVATIONS SHOWN ARE CORRECT. ALL ELEVATIONS, PIPE MATERIALS, PIPE SIZES, ETC. MUST BE VERIFIED BY CONTRACTOR AND CHANGES SHALL BE REPORTED TO DESIGN ENGINEER TO DETERMINE WHETHER OR NOT DESIGN CHANGES ARE WARRANTED.
- THE CONTRACTOR SHALL CALL IN A "CODE 53" PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PERSONS DURING CONSTRUCTION FROM HARM IN ACCORDANCE WITH ALL APPLICABLE CODES, RULES & REGULATIONS, STANDARDS AND GOOD PRACTICES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES, RULES AND REGULATIONS.
- THE NEW YORK STATE POWER AUTHORITY CURRENTLY HAS AN EASEMENT AND A LICENSE AGREEMENT FOR ACCESS TO THEIR UTILITY LINES THAT TRAVERSE THE SITE. THE PROPERTY OWNER HAS RIGHTS TO USE THE SAME ACCESS DRIVE FOR INDICES/ACCESS TO HIS PROPERTY, SO LONG AS NO CHANGES ARE MADE TO THE ACCESS DRIVE.
- TREE REMOVAL WOULD OCCUR DURING WINTER (OCTOBER 1 - MARCH 31) TO AVOID DIRECT IMPACTS TO THE LISTED ENDANGERED INDIANA BAT (MYOTIS SOULAS).

# **TOWN OF WAPPINGER DRIVEWAY NOTES:**

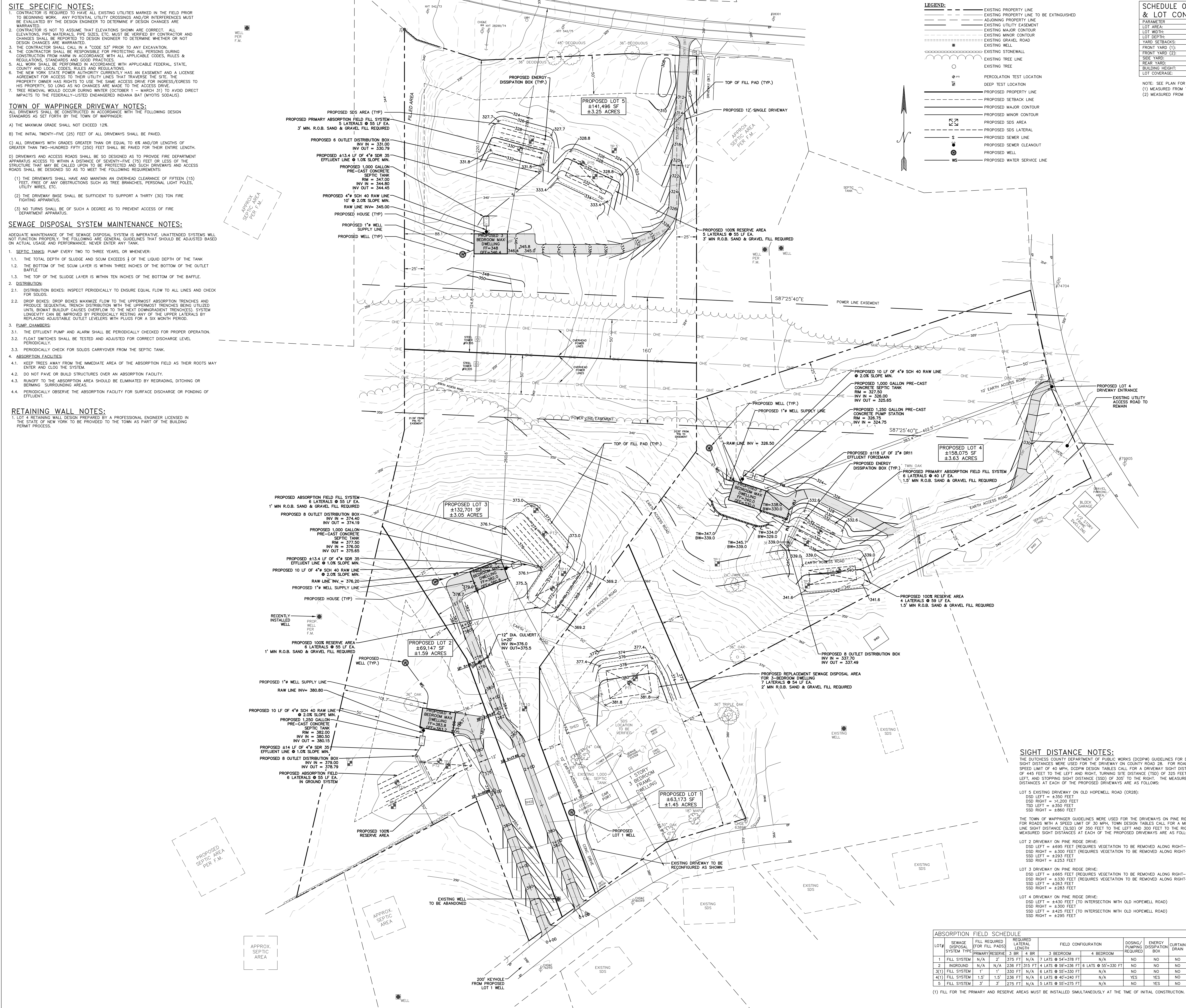
- ALL DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DESIGN STANDARDS AS SET FORTH BY THE TOWN OF WAPPINGER:
- THE MINIMUM GRADE SHALL NOT EXCEED 12%.
  - THE INITIAL, TWENTY-FIVE (25) FEET OF ALL DRIVEWAYS SHALL BE PAVED.
  - ALL DRIVEWAYS WITH DRAINS GREATER THAN OR EQUAL TO SIX (6) FEET OR LENGTHS OF GREATER THAN TWO HUNDRED FIFTY (250) FEET SHALL BE PAVED FOR THEIR ENTIRE LENGTH.
  - DRIVEWAYS AND ACCESS ROADS SHALL BE SO DESIGNED AS TO PROVIDE FIRE DEPARTMENT APPARATUS ACCESS TO WITHIN A DISTANCE OF SEVENTY-FIVE (75) FEET OR LESS OF THE STRUCTURE THAT MAY BE CALLED UPON TO BE PROTECTED AND SUCH DRIVEWAYS AND ACCESS ROADS SHALL BE DESIGNED SO AS TO MEET THE FOLLOWING REQUIREMENTS:
    - THE DRIVEWAYS SHALL HAVE AND MAINTAIN AN OVERHEAD CLEARANCE OF FIFTEEN (15) FEET, FREE OF ANY OBSTRUCTIONS SUCH AS TREE BRANCHES, PERSONAL LIGHT POLES, UTILITY WIRES, ETC.
    - THE DRIVEWAY BASE SHALL BE SUFFICIENT TO SUPPORT A THIRTY (30) TON FIRE TIGHTING APPARATUS.
    - NO TURNS SHALL BE OF SUCH A DEGREE AS TO PREVENT ACCESS OF FIRE DEPARTMENT APPARATUS.

# **SEWAGE DISPOSAL SYSTEM MAINTENANCE NOTES:**

- ADEQUATE MAINTENANCE OF THE SEWAGE DISPOSAL SYSTEM IS IMPERATIVE. UNATTENDED SYSTEMS WILL NOT FUNCTION PROPERLY. THE FOLLOWING ARE GENERAL GUIDELINES THAT SHOULD BE ADJUSTED BASED ON ACTUAL USAGE AND PERFORMANCE. NEVER ENTER ANY TANK.
- SEPTIC TANKS:** PUMP EVERY TWO TO THREE YEARS, OR WHENEVER:
    - THE TOTAL DEPTH OF SLUDGE AND SCUM EXCEEDS 1 OF THE LIQUID DEPTH OF THE TANK.
    - THE BOTTOM OF THE SCUM LAYER IS WITHIN THREE INCHES OF THE BOTTOM OF THE OUTLET BAFFLE.
    - THE TOP OF THE SLUDGE LAYER IS WITHIN TEN INCHES OF THE BOTTOM OF THE BAFFLE.
  - DISTRIBUTION:**
    - DISTRIBUTION BOXES: INSPECT PERIODICALLY TO ENSURE EQUAL FLOW TO ALL LINES AND CHECK FOR SOLIDS.
    - DROP BOXES: DROP BOXES MAXIMIZE FLOW TO THE UPPEMOST ABSORPTION TRENCHES AND PRODUCE SEQUENTIAL TRENCH DISTRIBUTION WITH THE UPPEMOST TRENCHES BEING UTILIZED UNTIL BOWAT BUILDUP CAUSES OVERFLOW TO THE NEXT DOWNSTREAM TRENCHES). SYSTEM LONGEVITY CAN BE IMPROVED BY PERIODICALLY RESTING ANY OF THE UPPER LATERALS BY REPLACING ADJUSTABLE OUTLET LEVELERS WITH PLUGS FOR A SIX MONTH PERIOD.
  - PUMP CHAMBERS:**
    - THE EFFLUENT PUMP AND ALARM SHALL BE PERIODICALLY CHECKED FOR PROPER OPERATION.
    - FLOAT SWITCHES SHALL BE TESTED AND ADJUSTED FOR CORRECT DISCHARGE LEVEL PERIODICALLY.
    - PERIODICALLY CHECK FOR SOLIDS CARRYOVER FROM THE SEPTIC TANK.
  - ABSORPTION FACILITIES:**
    - KEEP TREES AWAY FROM THE IMMEDIATE AREA OF THE ABSORPTION FIELD AS THEIR ROOTS MAY ENTER AND CLOG THE SYSTEM.
    - DO NOT PAVE OR BUILD STRUCTURES OVER AN ABSORPTION FACILITY.
    - RUNOFF TO THE ABSORPTION AREA SHOULD BE ELIMINATED BY REGRADING, DITCHING OR BERMING SURROUNDING AREAS.
    - PERIODICALLY OBSERVE THE ABSORPTION FACILITY FOR SURFACE DISCHARGE OR PONDING OF EFFLUENT.

# **RETAINING WALL NOTES:**

- LOT 4 RETAINING WALL DESIGN PREPARED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK TO BE PROVIDED TO THE TOWN AS PART OF THE BUILDING PERMIT PROCESS.



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LOT AREA:	40,000 SQUARE FEET MIN	63,173 SF	69,147 SF	132,701 SF	158,075 SF
LOT WIDTH:	125 FEET MINIMUM	184.5 FEET	195.5 FEET	283.9 FEET	369.7 FEET
LOT DEPTH:	125 FEET MINIMUM	273.9 FEET	266.6 FEET	444.9 FEET	371.5 FEET
YARD SETBACKS:					
FRONT YARD (1):	75 FEET MINIMUM	88.9 FEET	285.3 FEET	413.9 FEET	402.5 FEET
FRONT YARD (2):	50 FEET MINIMUM	92.3 FEET	97.9 FEET	383.4 FEET	220.1 FEET
SIDE YARD:	25 FEET MINIMUM	41.9 FEET	36.7 FEET	57.6 FEET	88.1 FEET
REAR YARD:	50 FEET MINIMUM	113.5 FEET	101.7 FEET	266.6 FEET	61.1 FEET
BUILDING HEIGHT:	35 FEET, 2.5 STORES MAX.	≤ 35 FEET	≤ 35 FEET	≤ 35 FEET	≤ 35 FEET
LOT COVERAGE:	10% MAXIMUM	≤ 12%	≤ 12%	≤ 12%	≤ 12%

- NOTE: SEE PLAN FOR ACTUAL DIMENSIONS  
(1) MEASURED FROM THE CENTERLINE OF THE ROAD.  
(2) MEASURED FROM THE FRONT LOT LINE.

# **SEWAGE DISPOSAL SYSTEM DESIGN NOTES:**

SEWAGE DISPOSAL SYSTEM DESIGNS BASED ON 3 OR 4 BEDROOM RESIDENTIAL DWELLING MAX. FOR THE PROPOSED DWELLINGS. DESIGN FLOW IS BASED UPON NEW STANDARD FIXTURES. DESIGN FLOW 1.5 GPM MAX. TOILET, 3.0 GPM MAX. FAUCETS/SHOWERHEADS. DESIGN FLOW = 330 GPD (3 BEDROOMS @ 110 GPD/BEDROOM); 440 GPD (4 BEDROOMS @ 110 GPD/BEDROOM).

NO KITCHEN OR ROOF DRAINS, WATER SOFTENER BACKWASHES, SHALL BE ALLOWED TO ENTER THE SYSTEM. NO FOOTING OR SINK GARAGE DISPOSAL SYSTEMS ARE PLANNED OR INCLUDED IN THE DESIGN.

THE PROPOSED SEPTIC TANK SIZE IS 1,000 GALLONS FOR 2 & 3 BEDROOM DWELLINGS AND 1,250 GALLONS FOR 4 BEDROOM DWELLINGS, WHICH MEETS THE REQUIREMENTS AS SET FORTH BY THE DUTCHESS COUNTY DEPARTMENT OF BEHAVIORAL & COMMUNITY HEALTH (DCBCH) FOR THE DESIGN FLOW.

ALL UTILITY LINES IN THE VICINITY OF THE PROPOSED CONSTRUCTION SHALL BE CLEARLY MARKED OUT PRIOR TO ANY GROUND-BREAKING.

SEWAGE DISPOSAL SYSTEMS SHALL NOT BE INSTALLED IN FROZEN OR WET SOILS.

DEEP TEST HOLE TABLE:					
TEST PIT# OBSERVED ON MAY 1, 2017 *WITNESSED BY DANIEL KEELER, P.E. OF THE DCBCH					
HOLE #	LOT #	TOTAL R.O.B. DEPTH	WATER MOTTING DEPTH	SOIL DESCRIPTION	
1A	4	78"	---	12" TOPSOIL: 12-78" BROWN SILTY LOAM	
2A	2	72"	---	2" TOPSOIL: 2-66" BROWN SILTY LOAM	
3A	4	72"	---	8" TOPSOIL: 8-72" BROWN SILTY LOAM	
4A	5	60"	---	10" TOPSOIL: 10-54" BROWN SILTY LOAM WITH SAND	
5A	5	60"	---	10" TOPSOIL: 10-54" BROWN SILTY LOAM WITH SAND	
6A	1	60"	---	10" TOPSOIL: 10-60" BROWN SILTY LOAM/CLAY LOAM	
7A	2	36"	---	6" TOPSOIL: 6-36" BROWN SILTY LOAM	
8A	2	84"	---	3" TOPSOIL: 3-84" BROWN SANDY SILTY LOAM	
9A	2	84"	---	3" TOPSOIL: 3-84" BROWN SANDY SILTY LOAM	
10A	3	72"	---	6" TOPSOIL: 6-72" GRAVELLY SILTY LOAM	
11A	3	84"	---	6" TOPSOIL: 6-84" GRAVELLY SILTY LOAM	

PERC TEST TABLE:					
LOT#	TEST HOLE #	DEPTH (INCHES)	DATE	RESULTS (MINUTES/HO)	
1	1	24	05/03/2017	18, 21, 26, 27, 28	
2	2	24	05/03/2017	12, 18, 18, 19	
3	3	24	05/03/2017	38, 45, 45	
4	4	24	05/03/2017	16, 18, 18, 18	
5	5	24	05/03/2017	10, 11, 14, 15	
2A	2A	24	05/07/2020	12, 16, 19, 19, 19	
3A	3A	24	05/07/2020	30, 30, 32, 33, 33	
4A	4A	24	05/07/2020	11, 19, 19, 19, 19	
5A	5A	24	05/07/2020	18, 27, 27, 27	

# **STANDARD NOTES FOR RESIDENTIAL PROJECTS (ONSITE WATER SOURCE & SEWAGE DISPOSAL)**

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

"APPENDIX 75-A. WASTE TREATMENT - INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE."

"NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS," NYSDEC "RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEMS, DESIGN HANDBOOK"; NEW YORK STATE DEPARTMENT OF HEALTH.

"PLANNING THE SUBDIVISION AS PART OF THE TOTAL ENVIRONMENT"; NEW YORK STATE DEPARTMENT OF HEALTH.

"NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION POLICIES, PROCEDURES AND STANDARDS."

"DUTCHESS COUNTY AND NEW YORK STATE SANITARY CODES."

"DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION CERTIFICATE OF APPROVAL LETTER."

THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES; AND, AS A CONDITION OF THIS APPROVAL, A CONSTRUCTION INSPECTION BY A REPRESENTATIVE OF THE DC EHD SHALL BE DONE TO DETERMINE THAT CONSTRUCTION AT THE TIME OF INSPECTION WAS COMPLETED IN GENERAL CONFORMANCE WITH THE APPROVED PLANS AND ANY AMENDMENT THEREOF.

APPROVAL OF ANY PLAN(S) OR AMENDMENT THERETO SHALL BE VALID FOR A PERIOD OF 5 YEARS FROM THE DATE OF APPROVAL. FOLLOWING THE EXPIRATION OF SAID APPROVAL, THE PLAN(S) SHALL BE RE-SUBMITTED TO THE COMMISSIONER OF HEALTH FOR CONSIDERATION FOR RE-APPROVAL. RE-SUBMISSION OR REVISED SUBMISSION OF PLANS AND/OR ASSOCIATED DOCUMENTS SHALL BE SUBJECT TO COMPLIANCE WITH THE TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES IN EFFECT AT THE TIME OF THE RE-SUBMISSION.

THE DC EHD SHALL BE CONTACTED PRIOR TO THE COMMENCEMENT OF THE HOME CONSTRUCTION AND/OR ISSUANCE OF A BUILDING PERMIT FOR A PRE-CONSTRUCTION INSPECTION TO ENSURE THAT THE ARRANGEMENTS FOR WATER SUPPLY AND SEWAGE DISPOSAL ARE COMMENCED IN ACCORDANCE WITH THE APPROVED PLANS AND AMENDMENTS THERETO AND GENERALLY ACCEPTED STANDARDS.

ALL WELLS AND ONSITE WASTEWATER TREATMENT SYSTEMS, EXISTING OR APPROVED, LOCATED WITHIN 300 FEET OF THE PROPOSED WELLS AND ONSITE WASTEWATER TREATMENT SYSTEM ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE ONSITE WASTEWATER TREATMENT SYSTEM AND WELL.

IF THE TANK IS DELIVERED TO THE SITE IN SECTIONS, THEN IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE DC EHD FIELD INSPECTOR AND/OR DESIGN PROFESSIONAL THAT THE TANK IS SEALED, WATERIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AT A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERIGHT AND ACCEPTABLE FOR USE. THE TANK MUST ALSO MEET ANY LOCAL TESTING REQUIREMENTS, INCLUDING POSSIBLE ELECTRICAL AND SAFETY STANDARDS.

ALL PROPOSED WELLS AND SERVICE LINES ON THIS PLAN ARE ACCESSIBLE FOR INSTALLATION AND PLACEMENT. NO CELLAR, FOOTING, FLOOR, GARAGE, COOLER OR ROOF DRAINS SHALL BE DISCHARGED INTO THE ONSITE WASTEWATER TREATMENT SYSTEM OR WITHIN 50 FEET OF ANY WELL.

ALL BUILDINGS SHALL BE CONSTRUCTED AT AN ELEVATION HIGH ENOUGH TO ENSURE GRAVITY FLOW TO THE ONSITE WASTEWATER TREATMENT SYSTEM.

THERE SHALL BE NO VEHICULAR TRAFFIC OVER THE ONSITE WASTEWATER TREATMENT SYSTEM. PRIOR TO CONSTRUCTION, THE AREA OF THE SYSTEM SHALL BE STAKED OUT AND FENCED OFF.

ONSITE WASTEWATER TREATMENT SYSTEMS SHALL NOT BE INSTALLED IN WET OR FROZEN SOIL.

ALL REQUIRED EROSION & SEDIMENT CONTROL AND STORMWATER POLLUTION PREVENTION WATER QUALITY & QUANTITY CONTROL STRUCTURES, PERMANENT AND TEMPORARY, ARE SHOWN ON THE PLANS.

THE UNDERSIGNED OWNERS OF THE PROPERTY HEREON STATE THAT THEY ARE FAMILIAR WITH THIS MAP, ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

# **ADDITIONAL NOTES FOR FILL SECTIONS**

SEPTIC FILL SPECIFICATION: SAND AND GRAVEL FILL, WITH A STABILIZED PERCOLATION RATE WHICH IS LESS THAN OR EQUIVALENT TO THE PERCOLATION RATE OF THE VIRGIN SOIL AND NO MORE THAN 15 MINUTES PER INCH SHALL BE USED.

A NEW YORK STATE REGISTERED DESIGN PROFESSIONAL SHALL CERTIFY IN WRITING THAT THE FILL MATERIAL IS IN THE PROPER LOCATION, OF THE PROPER QUANTITY AND DIMENSIONS, AND OF PROPER QUALITY. PROPER QUALITY MUST BE DEMONSTRATED BY STABILIZED PERCOLATION TESTS. THE RESULTS OF WHICH SHALL BE SUBMITTED WITH THE ENGINEER'S CERTIFICATION.

PRIOR TO THE PLACEMENT OF THE FILL, THE AREA OF THE OWNS SHALL BE CLEARED OF DEBRIS, AND ALL BRUSH, TREES, OR OTHER VEGETATION CUT TO THE LEVEL OF THE VIRGIN GROUND. NO TOPSOIL SHALL BE REMOVED UNLESS SPECIFICALLY INDICATED ON THE PLANS.

# **FOR MAPS WHICH REQUIRE TEST WELLS**

ADVISORY: ALTHOUGH INFORMATION HAS BEEN SUBMITTED AND/OR TESTS WELLS HAVE BEEN DRILLED TO 40 IN DEMONSTRATING THE ADEQUACY (QUALITY AND QUANTITY) OF THE WATER SUPPLY, THIS DOES NOT CONSTITUTE A GUARANTEE THAT AN ADEQUATE WATER SUPPLY IS AVAILABLE FOR EACH AND EVERY LOT.

# **FOR MAPS WITH EXISTING HOUSES WITH ONSITE WASTEWATER TREATMENT SYSTEMS**

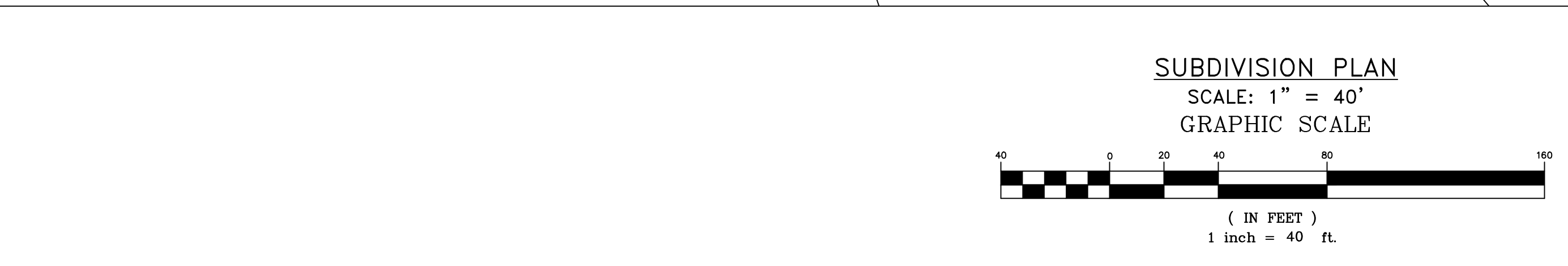
THE EXISTING ONSITE WASTEWATER TREATMENT SYSTEM(S) AND/OR WATER SUPPLY(IES) WERE INSTALLED PRIOR TO THE DATE OF THIS APPROVAL AND THEREFORE THIS APPROVAL SHALL NOT BE CONSIDERED TO MEAN THAT THE FUNCTIONAL ABILITY OR ADEQUACY OF THE EXISTING ONSITE WASTEWATER TREATMENT SYSTEM(S) AND/OR WATER SUPPLY(IES) ON LOT(S) # HAVE BEEN APPROVED OR ACCEPTED.

ANY CONSTRUCTION OF AN ONSITE WASTEWATER TREATMENT SYSTEM AND/OR WATER SUPPLY ON AN AREA OF AN EXISTING LOT(S) WHICH IS NOT EXISTING AT THE TIME OF THIS APPROVAL, BUT BE APPROVED AS PART OF THIS APPROVAL, SHALL BE INSPECTED AND APPROVED BY THE DC EHD PRIOR TO USE.

ABSORPTION FIELD SCHEDULE									
LOT#	SEWAGE DISPOSAL SYSTEM TYPE	FILL REQUIRED (FOR FILL PADS)	REQUIRED LATERAL LENGTH	FIELD CONFIGURATION	DOING/ PUMPING REQUIRED	ENERGY/ DISPOSAL BOX	CURTAIN DRAIN		
1	FILL SYSTEM	N/A	2' 375 FT	N/A	17 LATS @ 54"x378 FT	N/A	NO	NO	NO
2	INROUND	N/A	N/A	236 FT 315 FT	4 LATS @ 59"x236 FT	6 LATS @ 55"x330 FT	NO	NO	NO
3(1)	FILL SYSTEM	1'	1' 130 FT	N/A	6 LATS @ 55"x330 FT	N/A	NO	NO	NO
4(1)	FILL SYSTEM	1.5'	1.5' 236 FT	N/A	6 LATS @ 40"x240 FT	N/A	YES	YES	NO
5	FILL SYSTEM	3'	3' 1275 FT	N/A	5 LATS @ 55"x275 FT	N/A	NO	YES	NO

(1) FILL FOR THE PRIMARY AND RESERVE AREAS MUST BE INSTALLED SIMULTANEOUSLY AT THE TIME OF INITIAL CONSTRUCTION.

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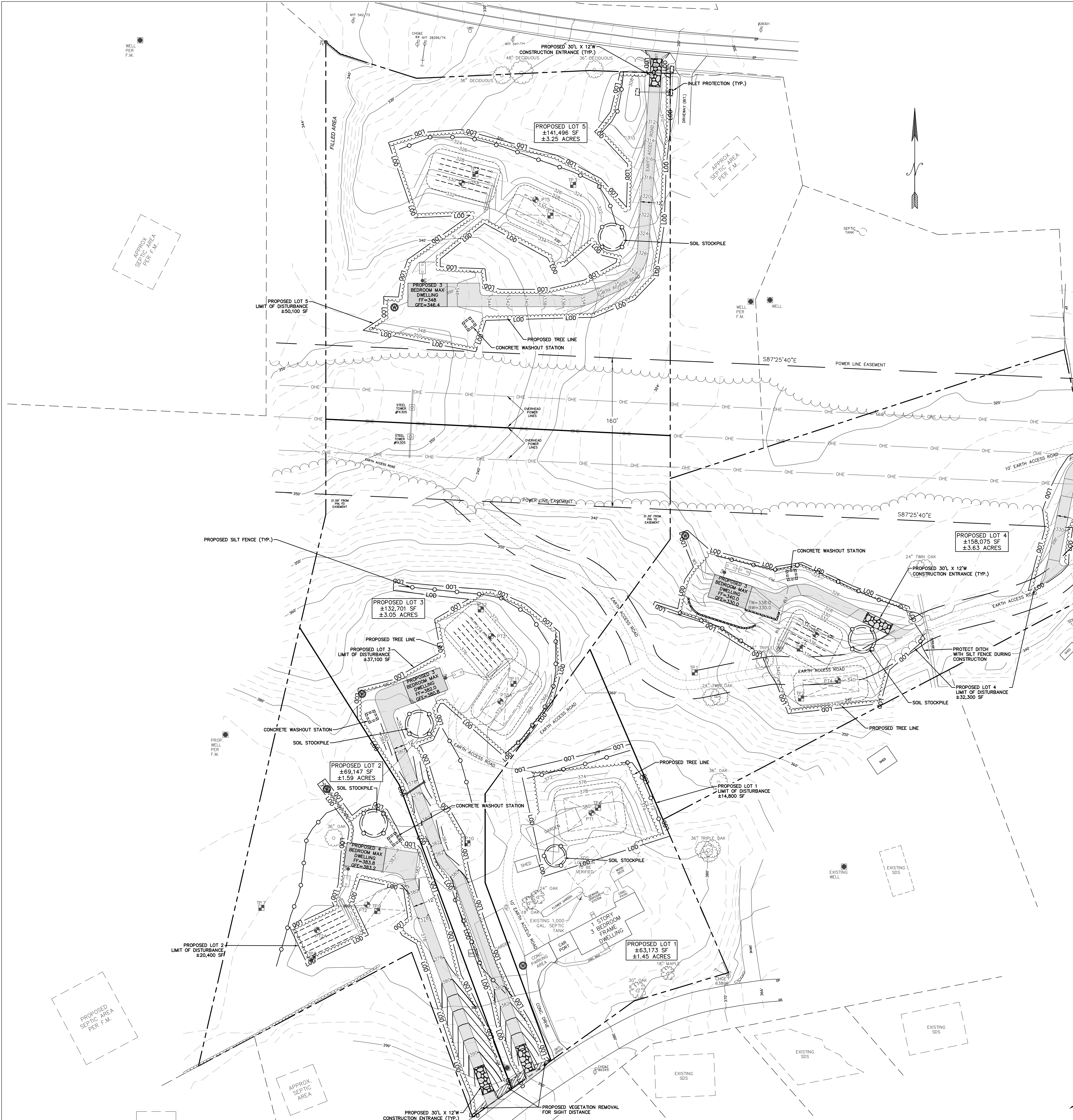


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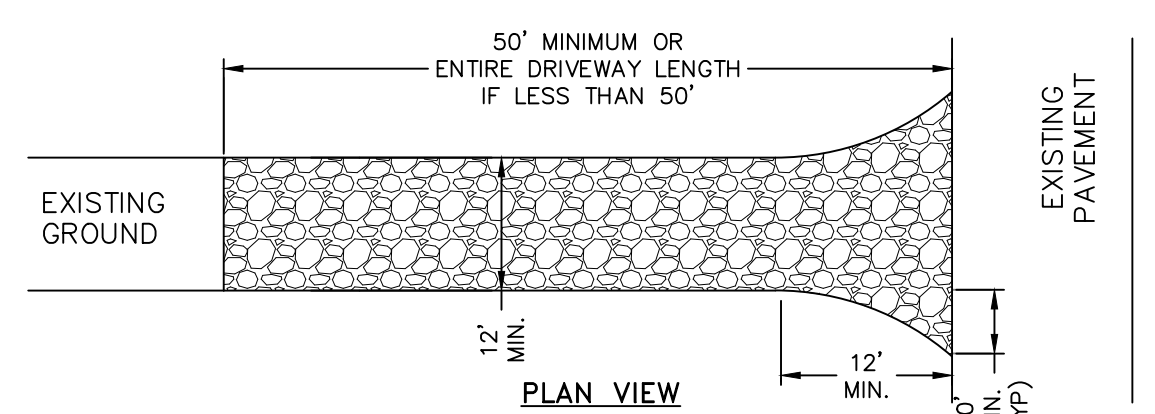
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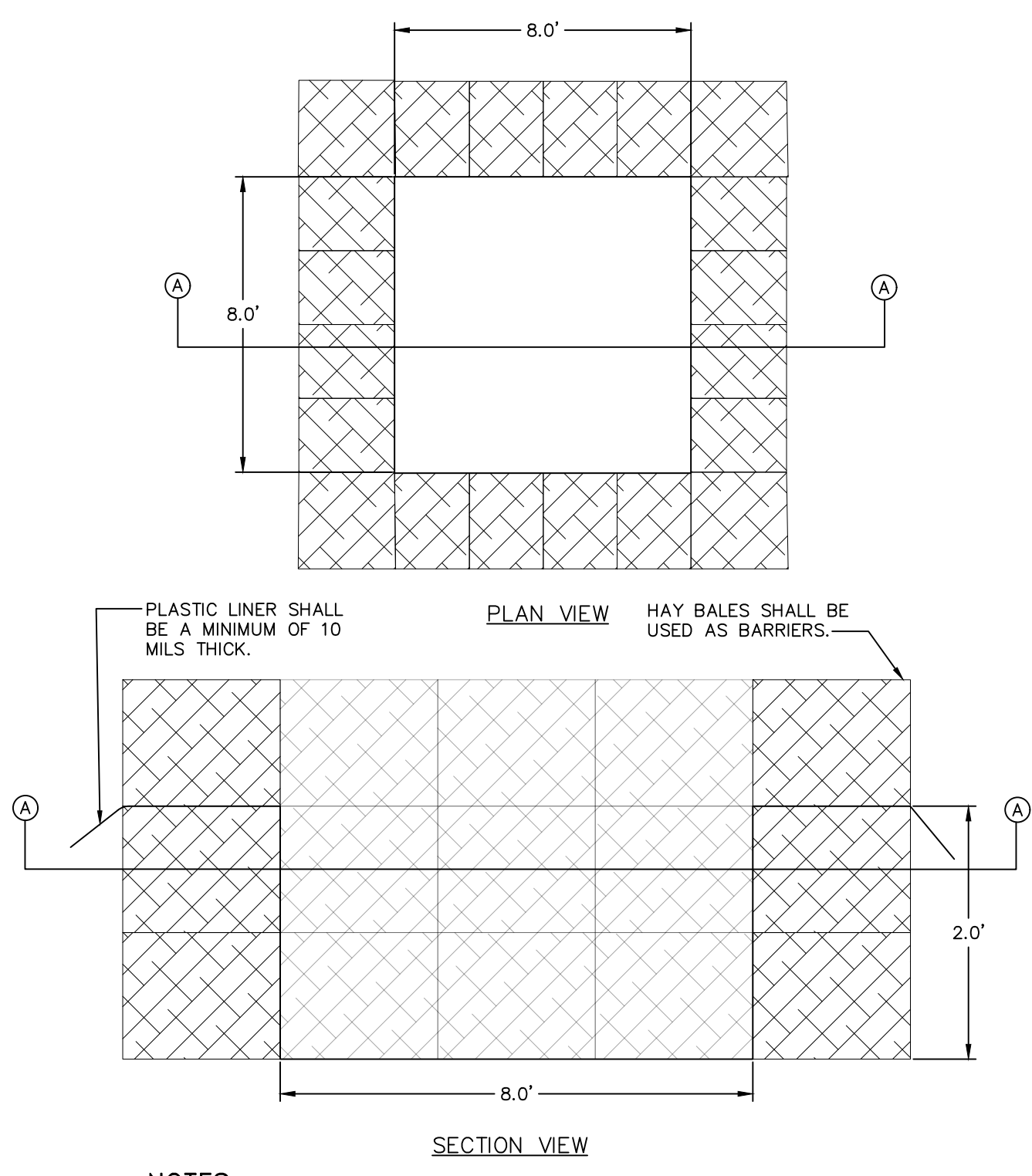
- LEGEND:**
- EXISTING PROPERTY LINE
  - EXISTING PROPERTY LINE TO BE EXTINGUISHED
  - ADJOINING PROPERTY LINE
  - EXISTING UTILITY EASEMENT
  - EXISTING MAJOR CONTOUR
  - EXISTING MINOR CONTOUR
  - EXISTING GRAVEL ROAD
  - EXISTING WELL
  - EXISTING STONEWALL
  - EXISTING TREE LINE
  - EXISTING TREE
  - PERCOLATION TEST LOCATION
  - DEEP TEST LOCATION
  - PROPOSED PROPERTY LINE
  - PROPOSED SETBACK LINE
  - PROPOSED MAJOR CONTOUR
  - PROPOSED MINOR CONTOUR
  - PROPOSED SDS AREA
  - PROPOSED SDS LATERAL
  - PROPOSED SEWER LINE
  - PROPOSED SEWER CLEANOUT
  - PROPOSED WELL
  - PROPOSED WATER SERVICE LINE
  - PROPOSED SILT FENCE
  - LOD
  - PROPOSED LIMIT OF DISTURBANCE
  - PROPOSED CONSTRUCTION ENTRANCE

- EROSION AND SEDIMENT CONTROL NOTES:**
- ALL EROSION CONTROL MEASURES EMPLOYED DURING THE CONSTRUCTION PROCESS SHALL BE INSPECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE MAINTENANCE SCHEDULE. ALL EROSION CONTROL STRUCTURES SHALL BE REPAIRED AND MAINTAINED AS NECESSARY BY THE CONTRACTOR.
  - ALL STORMWATER MANAGEMENT STRUCTURES (E.G. CATCH BASINS) SHALL BE REGULARLY INSPECTED FOR SEDIMENT ACCUMULATIONS. CATCH BASINS SHALL BE CLEANED WHEN SEDIMENT DEPTH REACHES A MAXIMUM OF ONE-HALF THE AVAILABLE SUMP DEPTH.
  - ALL EROSION CONTROL INSTALLATION AND MAINTENANCE MEASURES SHALL MEET THE REQUIREMENTS OF THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
  - ANY PILE OF POTENTIALLY ERODIBLE MATERIAL TEMPORARILY STOCKPILED ON THE SITE DURING THE CONSTRUCTION PROCESS SHALL BE LOCATED IN AN AREA AWAY FROM STORM DRAINAGE AND SHALL BE PROPERLY PROTECTED FROM EROSION BY A SURROUNDING SILT FENCE.
  - PERMANENT SEEDING AREAS FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH DETAIL AND SPECIFICATIONS ON THE DETAILS SHEET.
  - AREAS UNDERGOING CLEARING OR GRADING AND WHERE WORK IS DELAYED OR COMPLETED AND WILL NOT BE REVEGETATED FOR A PERIOD OF 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATIVE COVER WITHIN 14 DAYS.
  - ON-SITE DUST CONTROL SHALL BE ACCOMPLISHED BY STANDARD METHODS OF LIGHTLY WATERING ALL EXPOSED SOIL AND RAPIDLY STABILIZING THE REGRADED AREAS WITH TOPSOIL, LOAM AND/OR SEEDING.
  - THE TOWN ENGINEER AND PROJECT ENGINEER SHALL BE NOTIFIED NO LESS THAN 48 HOURS PRIOR TO THE START OF ANY SITE WORK, AND BY SUCH NOTIFICATION, SHALL BE PROVIDED WITH THE NAME AND TELEPHONE NUMBER OF THE GENERAL CONTRACTOR RESPONSIBLE FOR SUCH WORK.
  - THE TOWN AND/OR ITS REPRESENTATIVES MAY INSPECT EROSION AND SEDIMENT CONTROL PRACTICES ON THE SITE DURING CONSTRUCTION AND RECOMMEND THAT THE CONTRACTOR INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DEEMED NECESSARY TO PROTECT ANY UNDISTURBED AREAS OF THE SITE. ANY SUCH REQUESTS SHALL BE MADE DIRECTLY TO THE CONTRACTOR AND QUALIFIED PROFESSIONAL AND FOLLOWED UP WITH A WRITTEN NOTIFICATION TO THE DEVELOPER. IN ADDITION, THE PROJECT ENGINEER SHALL BE CONSULTED ON ANY SPECIAL ADDITIONS OR DELETIONS OF EROSION CONTROL MEASURES WARRANTED BY CHANGING FIELD CONDITIONS. THE NOTICE OF INTENT (NOI) MAY NEED TO BE UPDATED AS A RESULT OF THE CHANGES.
  - THE CONTRACTOR/OWNER SHALL MAINTAIN A RECORD OF ALL EROSION AND SEDIMENT CONTROL INSPECTION REPORTS AT THE SITE IN A LOG BOOK. THE SITE LOG BOOK SHALL BE MAINTAINED ON SITE AND BE MADE AVAILABLE TO THE PRINTING AUTHORITY. THE OWNER/CONTRACTOR SHALL, ON A MONTHLY BASIS, POST AT THE SITE A SUMMARY OF THE SITE INSPECTION ACTIVITIES IN A PUBLICLY ACCESSIBLE LOCATION.
  - THE OWNER SHALL FILE A NOI WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSED) PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND A NOTICE OF TERMINATION (NOT) WITH THE NYSED FOLLOWING CONSTRUCTION ACTIVITIES.
  - IF GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT A DEWATERING PIT IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL TO FILTER WATER FOR PUMPING TO A SUITABLE LOCATION.
  - WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED PER THE APPROVAL OF THE TOWN ENGINEER AND QUALIFIED PROFESSIONAL.



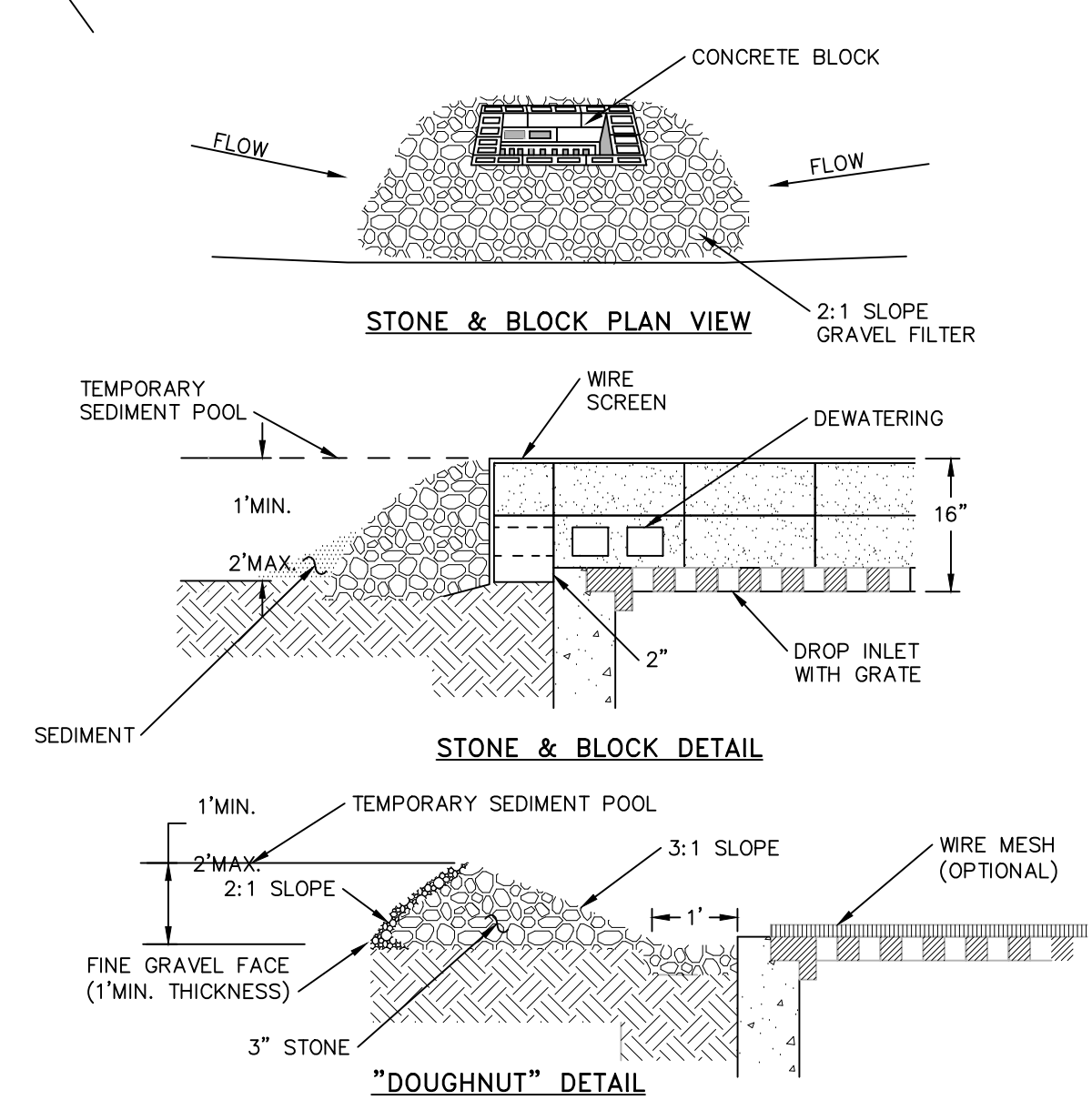
- NOTES:**
- STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.
  - GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  - 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 ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANING OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**STABILIZED CONSTRUCTION ENTRANCE DETAIL**  
NOT TO SCALE



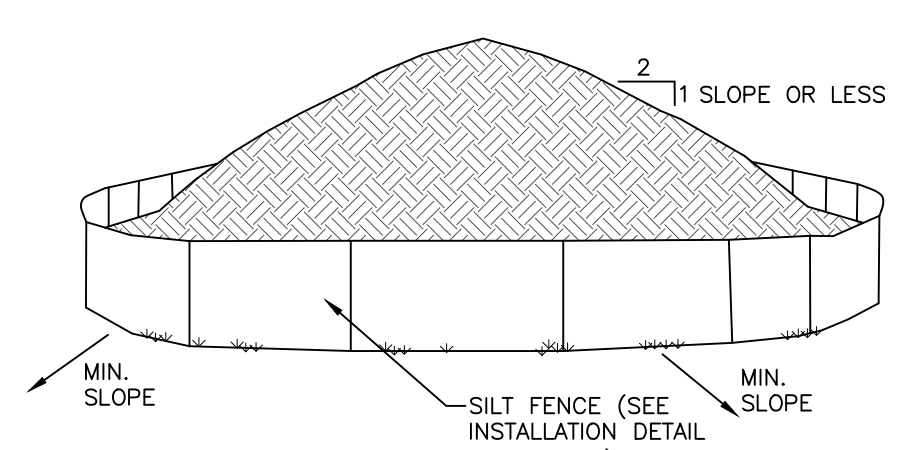
- NOTES:**
- WASHOUT STATION SHALL BE LOCATED 100' FROM ANY STORMWATER FEATURE ON SITE OR NATURAL WATERWAYS OR WETLANDS.
  - INSPECT WASHOUT STATION DAILY AND REPLACE PLASTIC LINER WHEN ANY RIPS OR TEARS ARE OBSERVED.
  - REPLACE WASHOUT STATION WHEN IT IS AT 75% OF ITS CAPACITY WITH HARDENED MATERIAL.
  - WATER ACCUMULATION IN WASHOUT AREA FROM RAINWATER SHALL BE PUMPED FROM THE STATION INTO A GRASSY AREA.

**CONCRETE WASHOUT STATION DETAIL**  
NOT TO SCALE



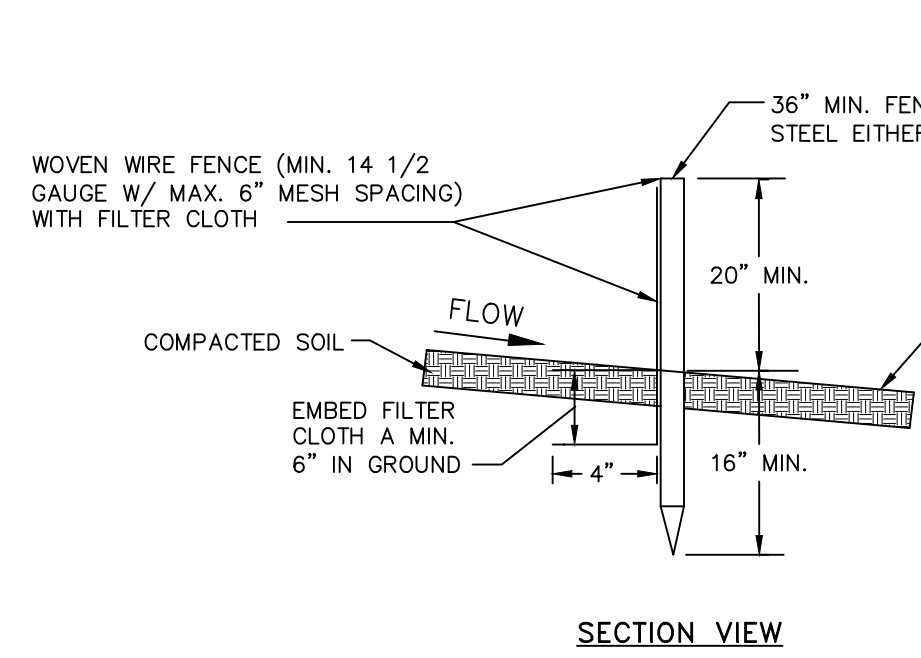
- NOTES:**
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
  - HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
  - USE CLEAN STONE OR GRAVEL 1/2"-3/4" INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
  - FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA: 1 ACRE.

**CATCH BASIN INLET PROTECTION DETAIL**  
NOT TO SCALE

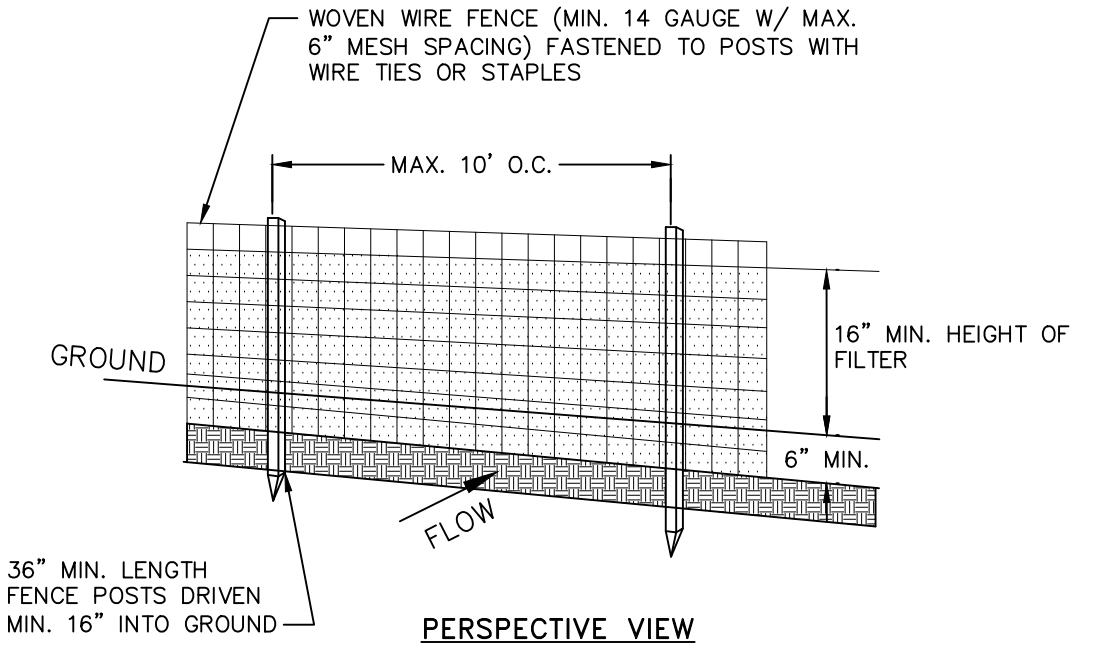


- NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
  - EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.

**TEMPORARY SOIL STOCKPILE DETAIL**  
NOT TO SCALE



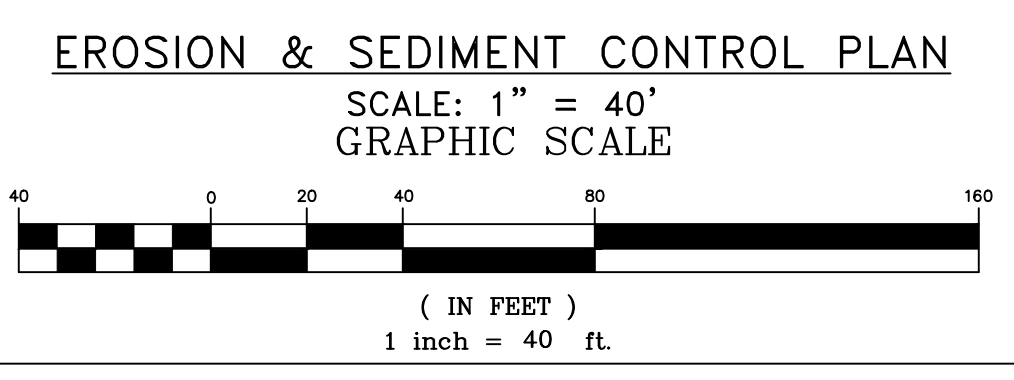
**SECTION VIEW**



**PERSPECTIVE VIEW**

- NOTES:**
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 1140N OR APPROVED EQUAL.
  - PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE OR APPROVED EQUAL.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

**SILT FENCE DETAIL**  
NOT TO SCALE



**EROSION & SEDIMENT CONTROL PLAN**  
SCALE: 1" = 40'  
GRAPHIC SCALE

DRAWN BY: AG			CHECKED BY: MAB		
REVISIONS:			REVISIONS:		
NO.	DATE	DESCRIPTION	BY	NO.	DATE
1	7/18/22	REVISED PER PB COMMENTS	ESR		
2	8/18/22	REVISED PER PB COMMENTS	ESR		
3	10/10/22	REVISED PER PB & DCBCH	ESR		



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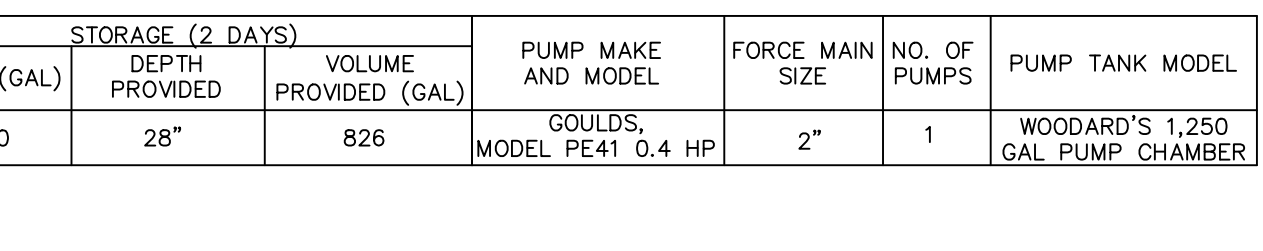
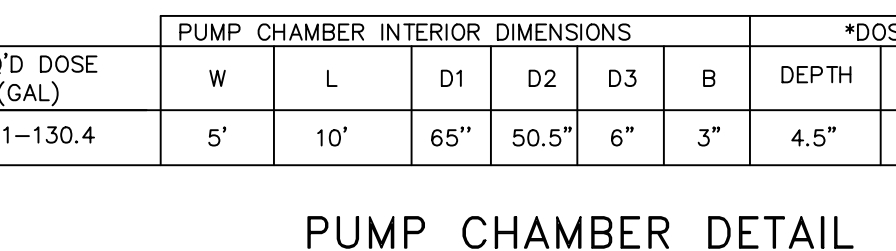
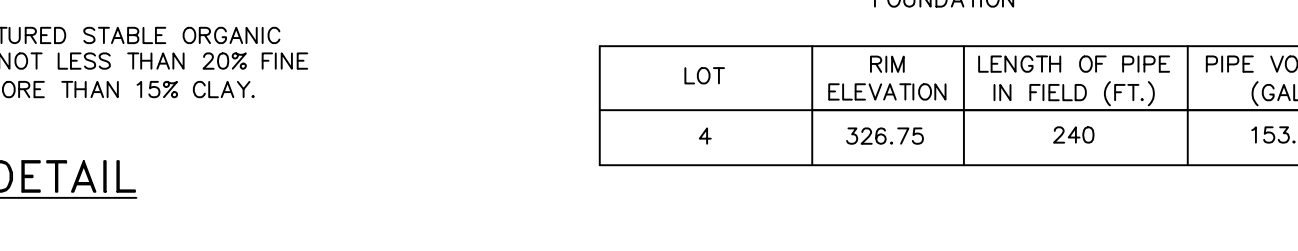
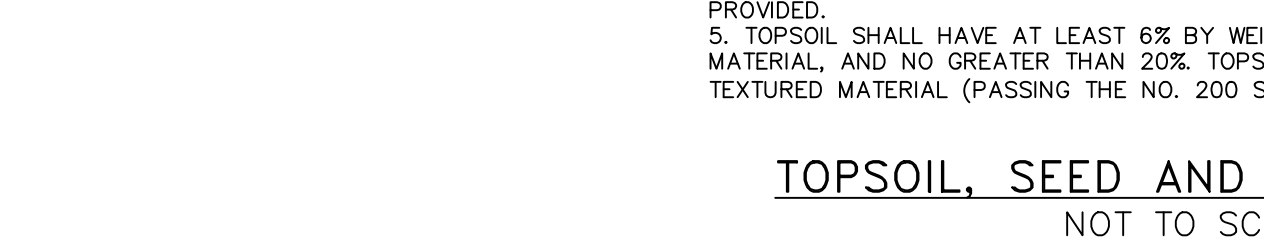
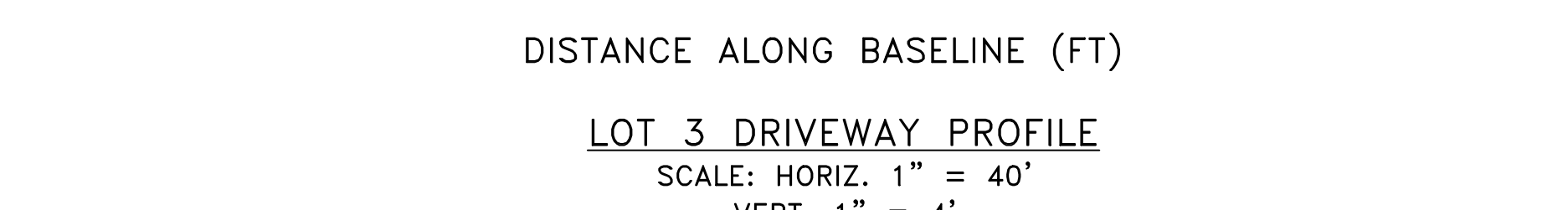
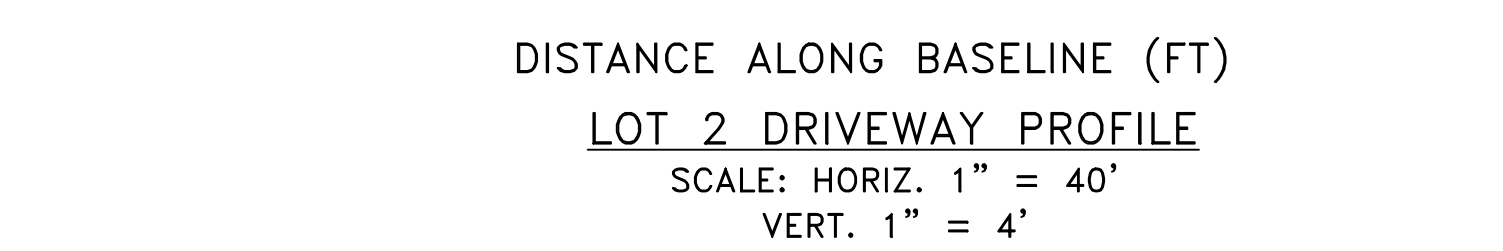
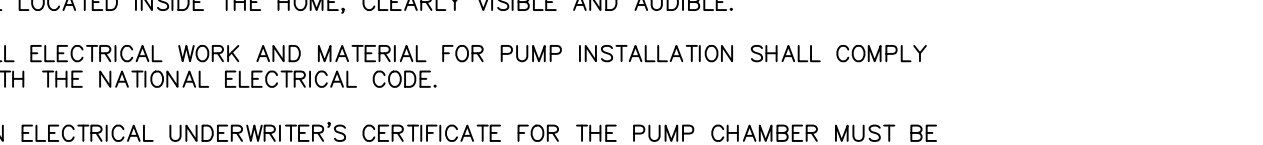
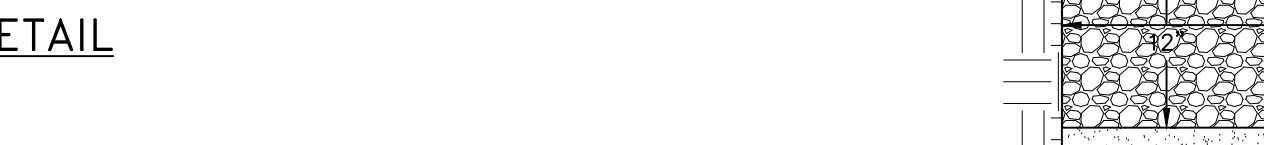
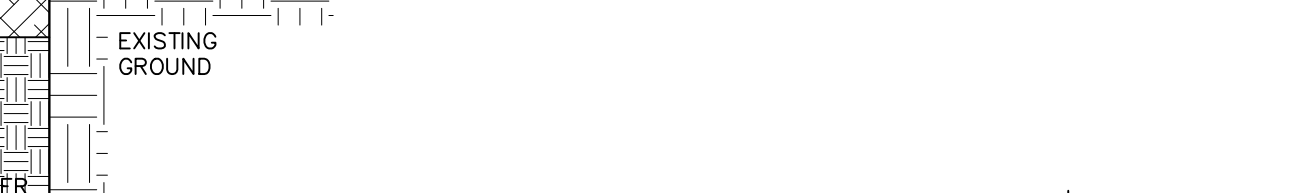
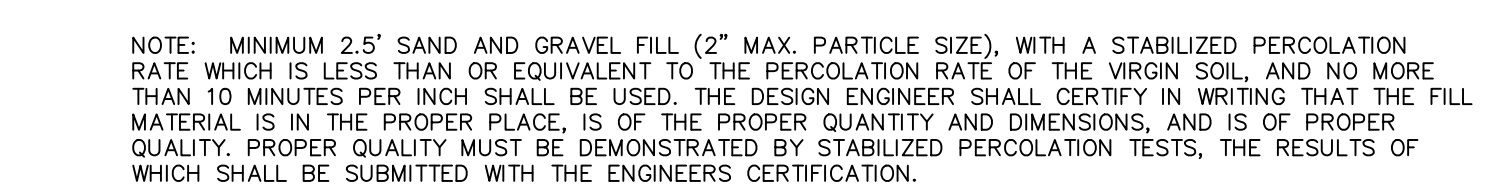
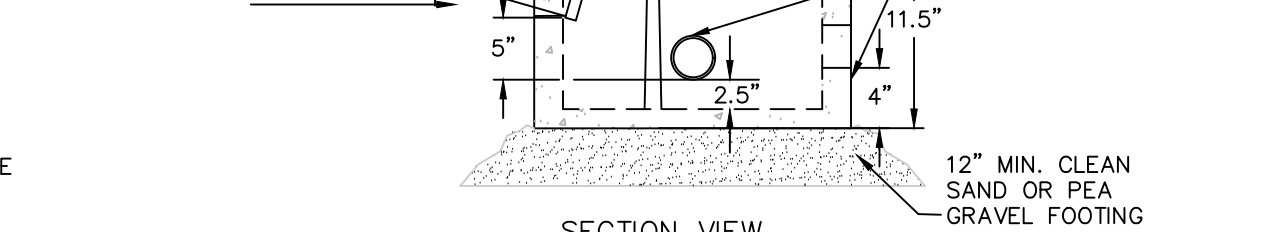
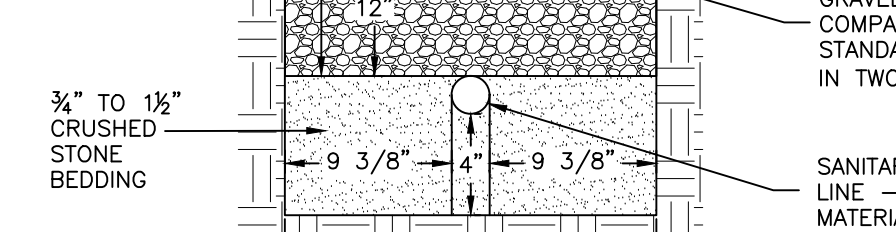
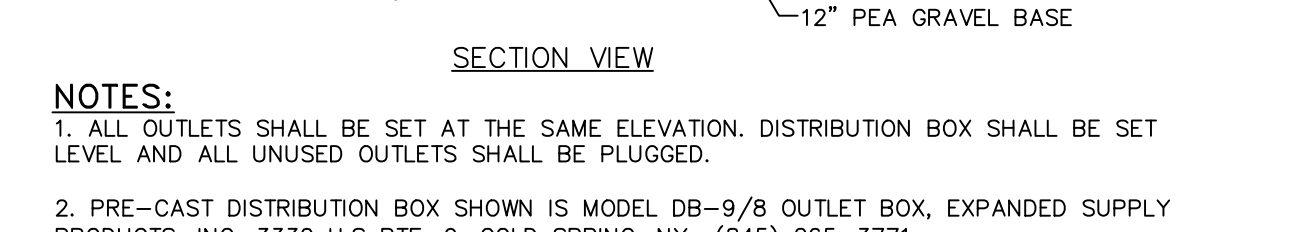
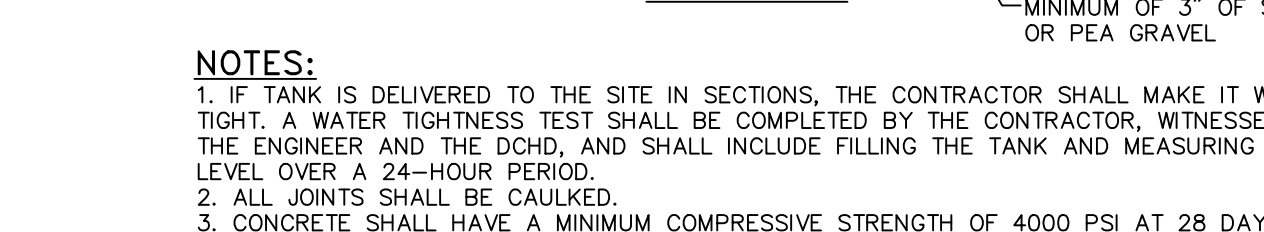
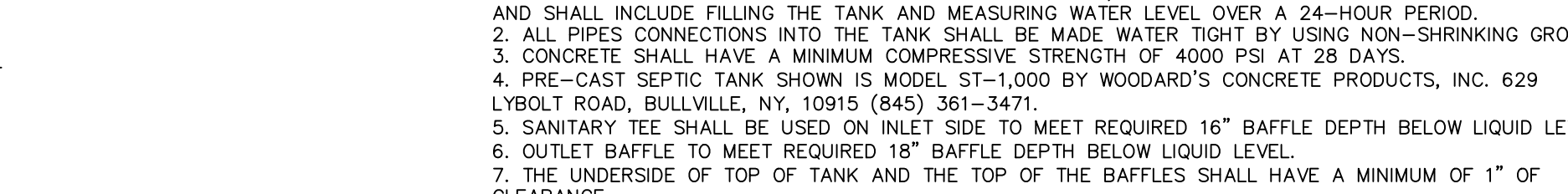
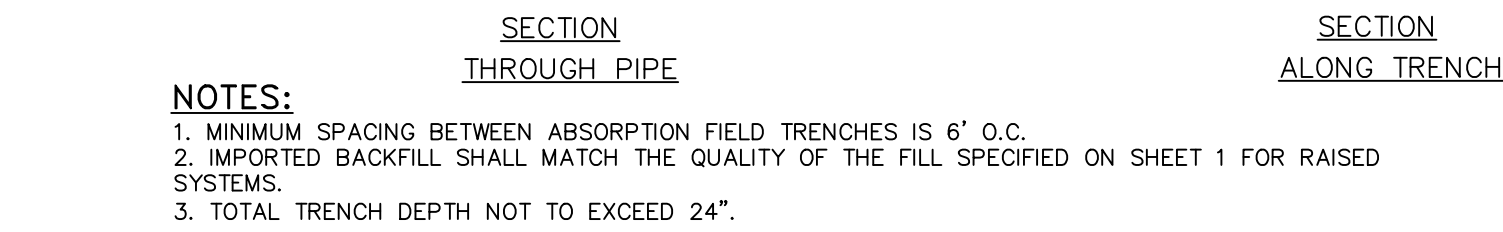
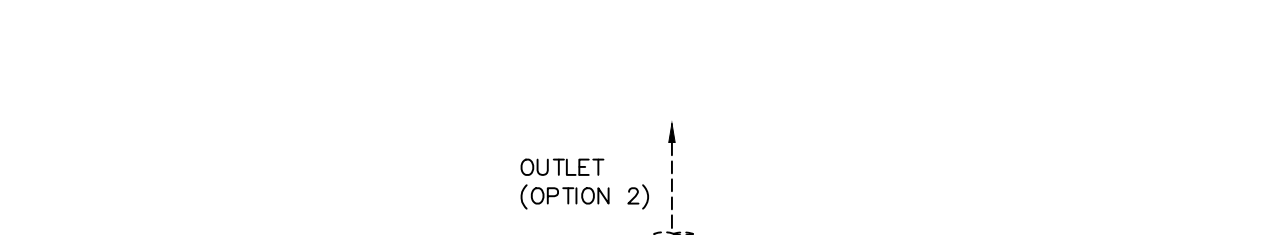
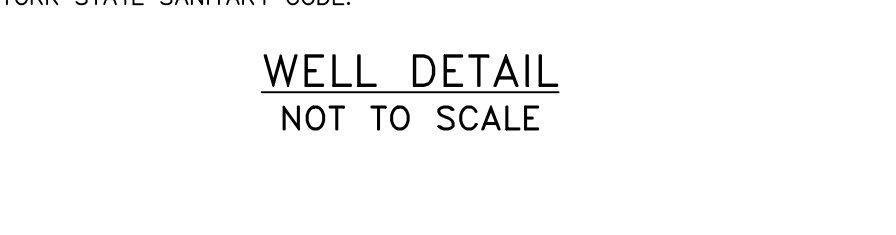
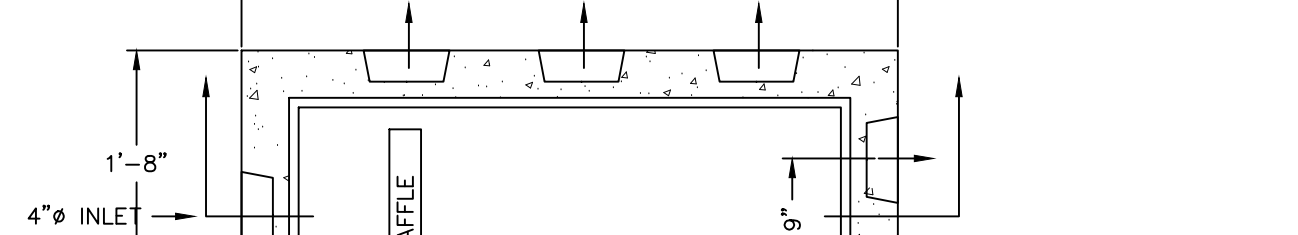
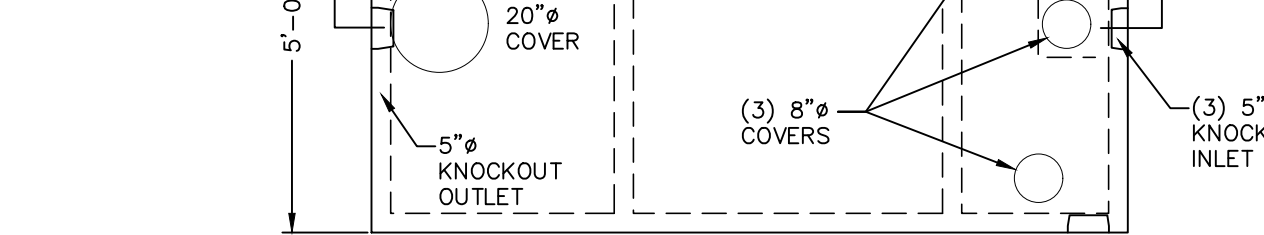
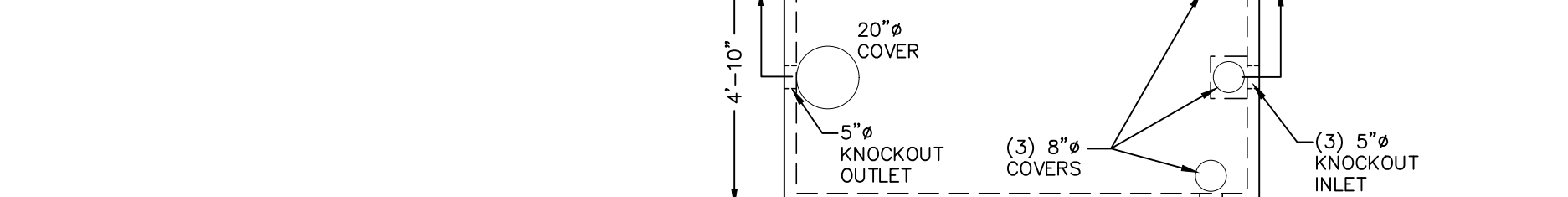
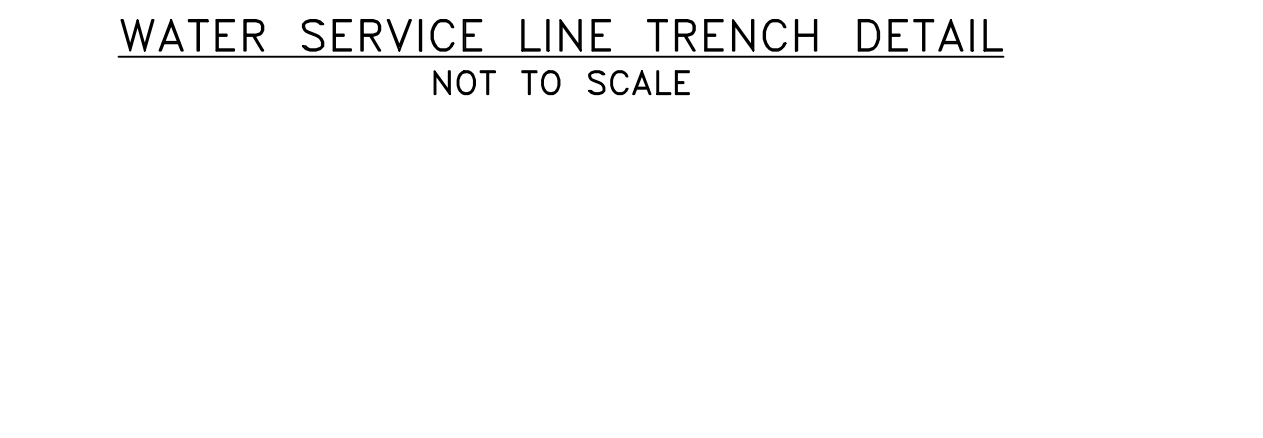
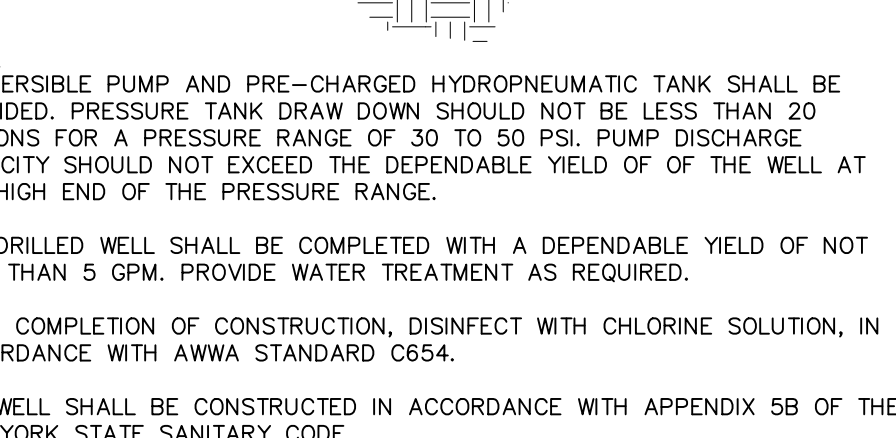
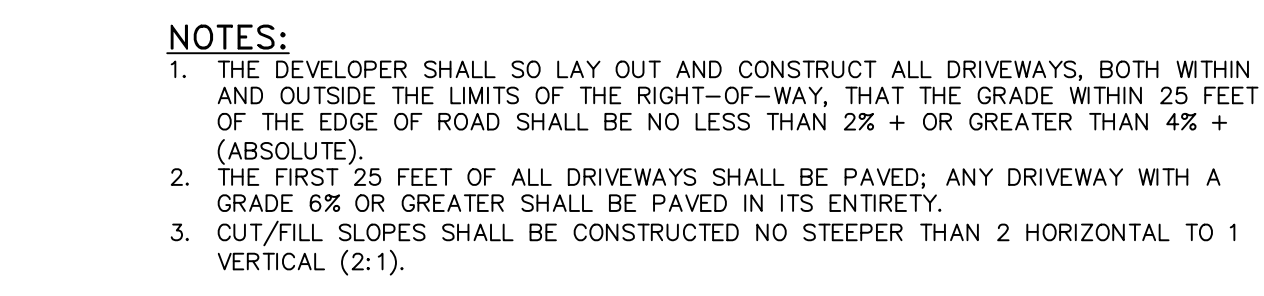
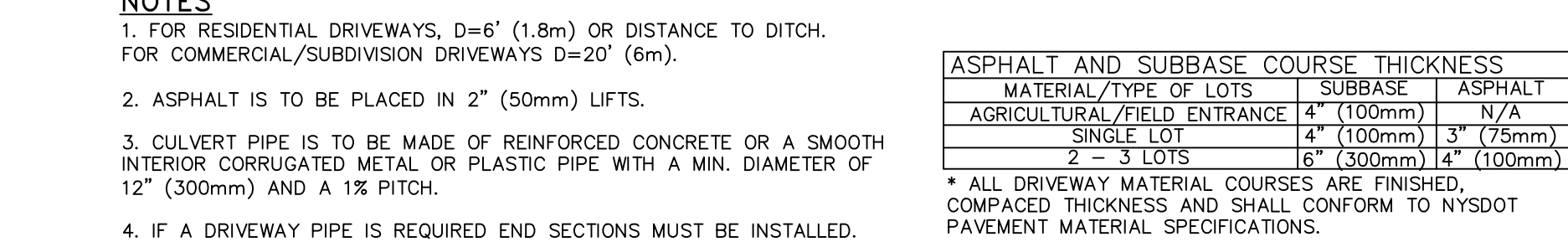
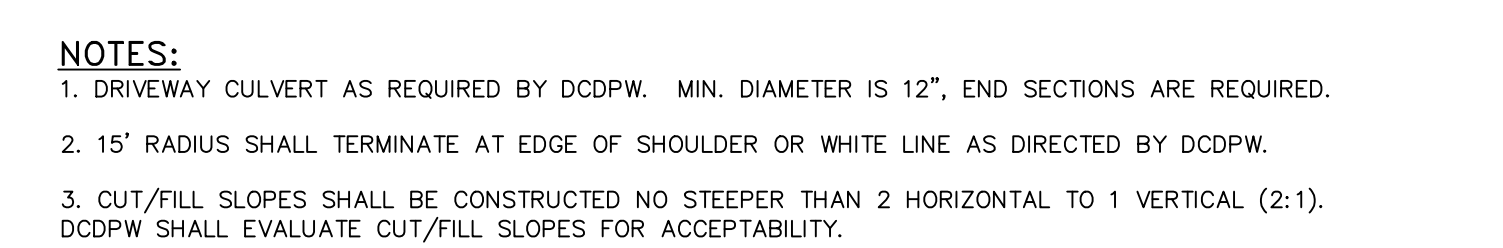
**EROSION & SEDIMENT CONTROL PLAN**

**KIMMEL SUBDIVISION**

325 PINE RIDGE DRIVE  
TOWN OF WAPPINGER  
DUTCHESS COUNTY, NEW YORK  
TAX ID: 6256-04-624259 & 608305; & 647304

JOB #:	2017-008
DATE:	05/16/2022
SCALE:	1" = 40'
TITLE:	ESC-1
SHEET:	4 OF 5

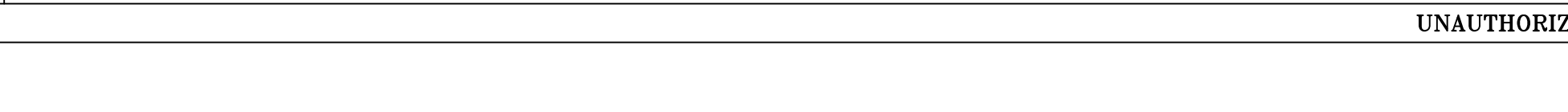




PUMP CHAMBER DETAIL  
NOT TO SCALE

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ANY UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209.2 OF THE NEW YORK EDUCATION LAW