

SUBDIVISIONS
 FOUNDATION REPAIR
 INSPECTION SERVICES
 CONSTRUCTION AND INSPECTION SERVICES
 WATER SUPPLY
 SEPTIC DESIGN

THE DEVELOPMENT PERMIT APPLICATION ENCOMPASSES LANDS IN AN AREA OF SPECIAL FLOOD HAZARD AND IS SUBJECT TO ALL THE STANDARDS AND REQUIREMENTS OF THE FLOOD DAMAGE PREVENTION ORDINANCE OF THE TOWNSHIP OF LONG HILL. THE DESIGN METHODS OF CONSTRUCTION ARE IN ACCORDANCE WITH ACCEPTED STANDARDS OF PRACTICE FOR MEETING APPLICABLE PROVISIONS OF THAT ORDINANCE.

PROPERTY OWNERS WITHIN 200 FEET

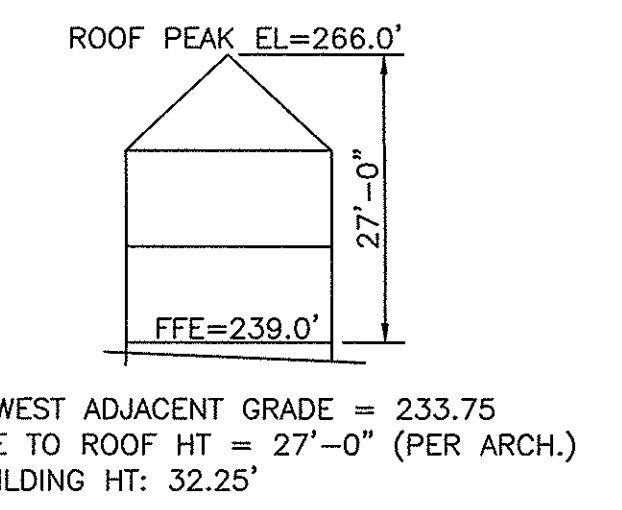
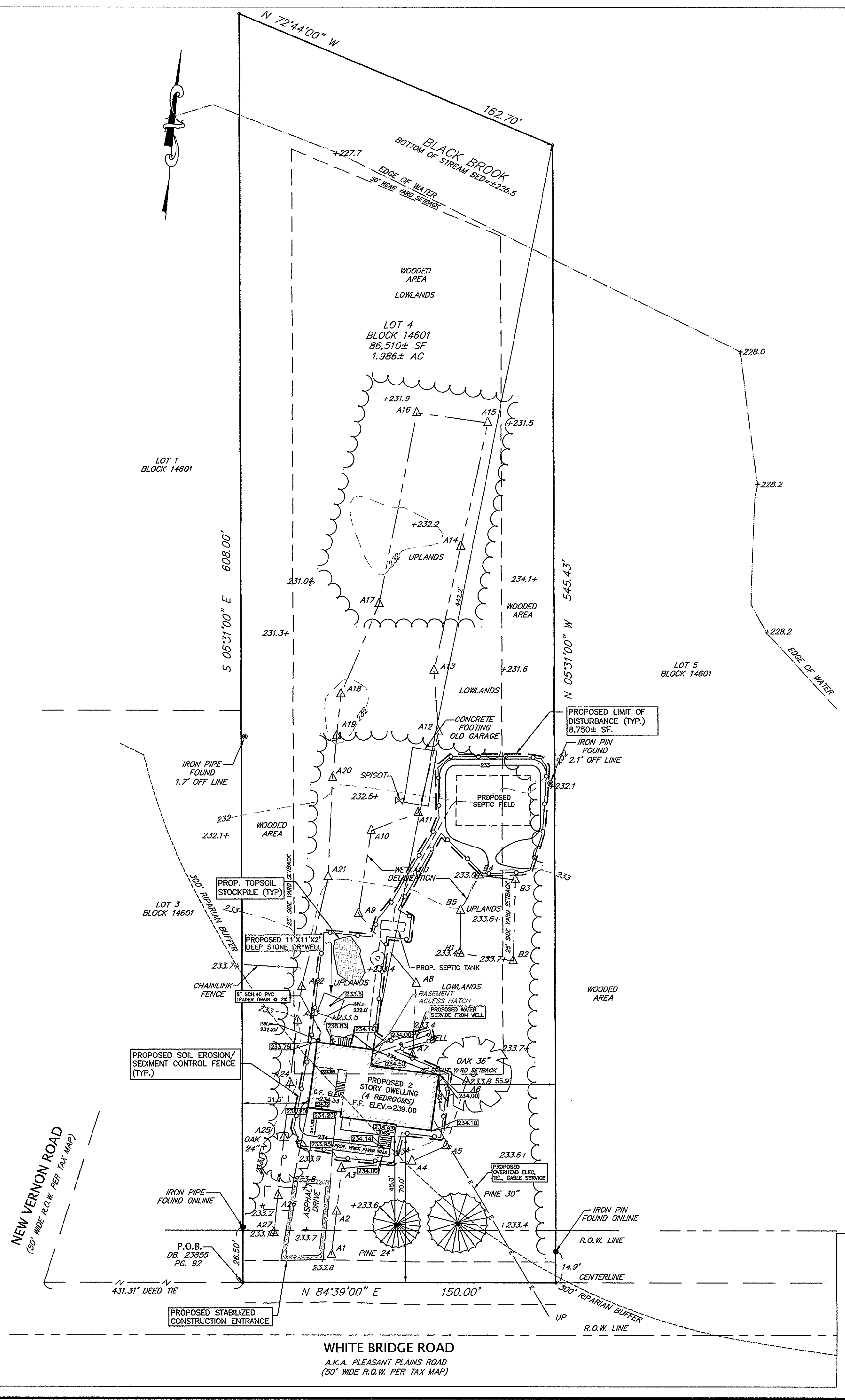
BLOCK	LOT	OWNER
14601	1	MCGURRAN, JEAN T 458 NEW VERNON RD GILLETTE, NJ 07933
14601	2	UNITED STATES OF AMERICA 300 WESTGATE CENTER DR HADLEY, MA 01035
14601	3	UNITED STATES OF AMERICA 1 GATEWAY CENTER STE 700 NEWTON CORNER, MA 02458
14601	5	UNITED STATES OF AMERICA 300 WESTGATE CENTER DR HADLEY, MA 01035
14601	6	KURZ, HERMAN J 11 MILLER RD NEW VERNON, NJ 07976
14602	1	GODLEWSKI, STANLEY J 27 SPRINGBROOK DR GILLETTE, NJ 07933
14602	2	UNITED STATES OF AMERICA 300 WESTGATE CENTER DR HADLEY, MA 01035
15201	1	UNITED STATES OF AMERICA 300 WESTGATE CENTER DR HADLEY, MA 01035
15201	2	UNITED STATES OF AMERICA 300 WESTGATE CENTER DR HADLEY, MA 01035

CRITICAL AREA CALCULATIONS (SECTION 142.1)

- a. NO PRINCIPAL BUILDING, ACCESSORY BUILDING, PARKING AREA, POOL, TENNIS COURT, PATIO OR DECK SHALL BE LOCATED IN WHOLE OR IN PART WITHIN A CRITICAL AREA. A PRINCIPAL BUILDING IS PROPOSED, WHOLLY, WITHIN A CRITICAL AREA.
- b. ALL SINGLE FAMILY RESIDENTIAL LOTS CREATED AFTER THE ADOPTION OF THIS SUBSECTION SHALL CONTAIN AT LEAST 10,000 SQUARE FEET OF CONTIGUOUS, NON-CRITICAL LAND WITH DIRECT ACCESS TO AN EXISTING OR PROPOSED STREET. FOR LOTS SERVED BY SEPTIC SYSTEMS, THE CONTIGUOUS NON-CRITICAL LAND REQUIREMENT SHALL BE A MINIMUM OF 20,000 SQUARE FEET. NOT APPLICABLE AS LOT WAS CREATED PRIOR TO ADOPTION OF SUBSECTION.
- c. IN ADDITION TO THE MAXIMUM LOT COVERAGE REQUIREMENTS ESTABLISHED BY THE SCHEDULE OF BULK REQUIREMENTS, NO DEVELOPMENT IN THE TOWNSHIP SHALL PROVIDE MORE THAN 70% IMPERVIOUS SURFACE COVERAGE OF THE NON-CRITICAL AREA OF THE LOT. LOT COVERAGE WITHIN NON-CRITICAL AREAS CANNOT BE CALCULATED AS THE ENTIRE PROPERTY IS WITHIN A CRITICAL AREA.
- d. ALL SINGLE FAMILY LOTS SHALL PROVIDE A PRINCIPAL BUILDING SETBACK OF AT LEAST 50 FEET FROM ANY CRITICAL AREA LOCATED IN THE FRONT OR REAR YARD OF THE LOT, AND 25 FEET FROM ANY CRITICAL AREA LOCATED IN THE SIDE YARD OF THE LOT. PROPOSED SETBACK OF 0 FEET IS PROPOSED FROM CRITICAL AREAS AS THE ENTIRE PROPERTY IS WITHIN A CRITICAL AREA.

A. DEVELOPMENT PERMIT APPLICATION FOR:
 LOT: 4 BLOCK: 14601
 APPLICANT: BENJAMIN ALLEMAN
 ADDRESS: 743 WHITE BRIDGE ROAD
 MILLINGTON, NJ 07946
 DATE: _____
 B. APPROVED BY THE LONG HILL TOWNSHIP PLANNING BOARD (OR ZONING BOARD OF ADJUSTMENT)
 CHAIRMAN _____ DATE _____
 ADMINISTRATIVE OFFICER _____ DATE _____
 TOWNSHIP ENGINEER _____ DATE _____

MAP REFERENCES
 1. BOUNDARY INFORMATION AND TOPOGRAPHY AS PER "PARTIAL TOPOGRAPHIC SURVEY WETLAND LOCATION" PREPARED BY CAREAGA ENGINEERING AND SIGNED BY CHARLES WORTHINGTON, PLS. LIC. NO. 34026, DATED FEBRUARY 19, 2021.
 2. TOWNSHIP OF LONG HILL TAX MAP SHEET #46.



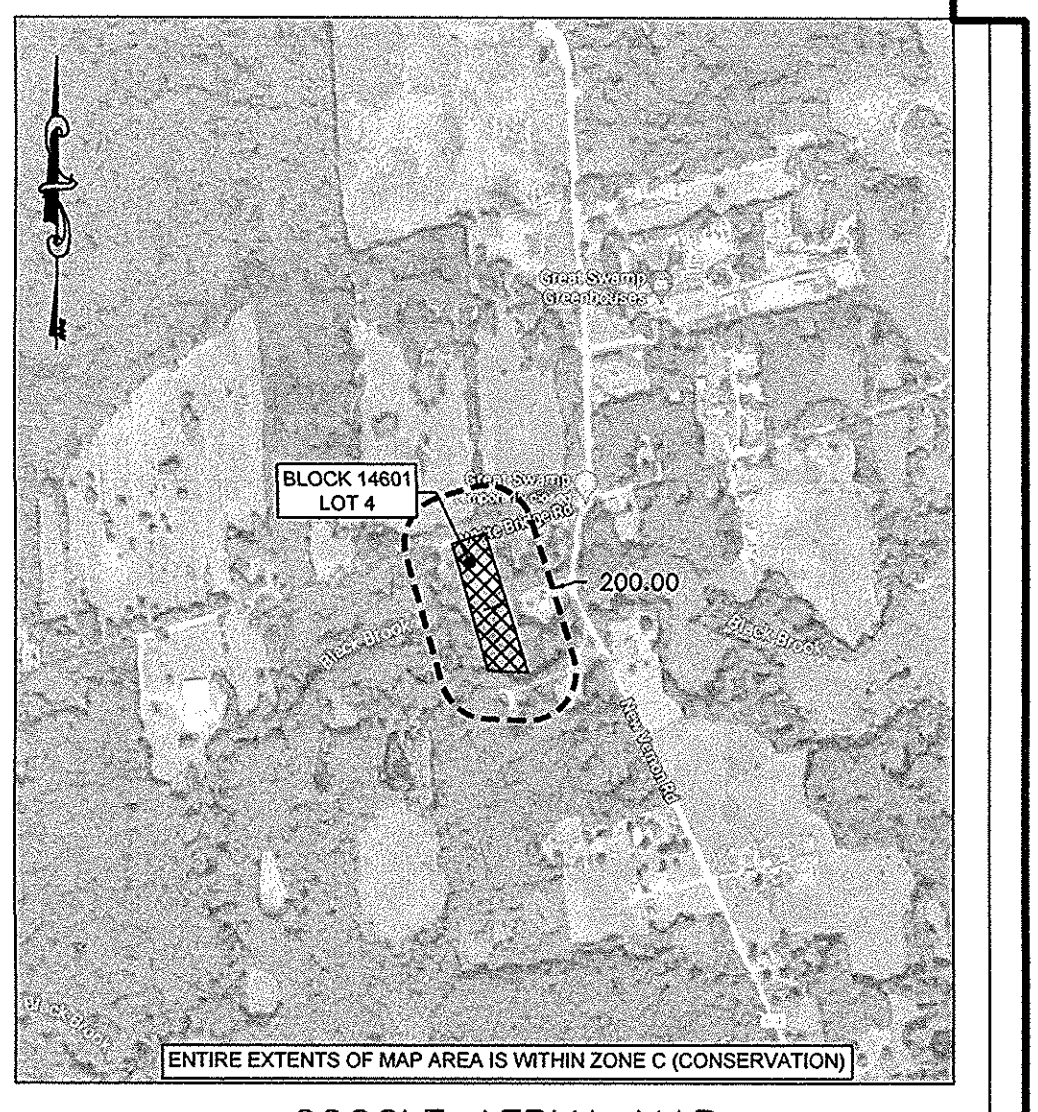
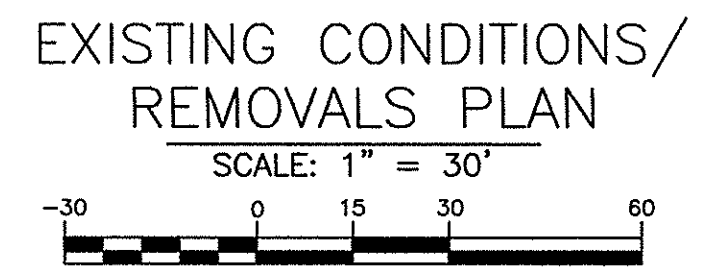
LOT COVERAGE CALCULATIONS

	EXISTING (SF)	PROPOSED (SF)
BUILDING/ROOFS	1,725	1,910
DRIVEWAY	1,083	1,116
WALKS/PADS	347	514
DECKS (50%)	181	-
SUBTOTAL	3,336	3,540
DRIVEWAY (ROW)	278	278
ROAD (ROW)	1,551	1,551
TOTAL	5,165	5,369

INCREASE IN IMPERVIOUS = 204 SF

GENERAL NOTES:

- THE SUBJECT PROPERTY IS KNOWN AS LOT 4 BLOCK 14601 ON TAX MAP SHEET #46 IN THE TOWNSHIP OF LONG HILL.
- ELEVATIONS SHOWN ON THIS MAP ARE BASED UPON NAVD 88.
- THE PROPERTY IS LOCATED IN THE C ZONE AND CONTAINS A TOTAL TRACT AREA OF 86,510± S.F./1.986 ± AC.
- THIS SET OF PLANS HAS BEEN PREPARED FOR PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL APPROVALS HAVE BEEN OBTAINED AND ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED.
- EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. CONTRACTOR TO HAVE UTILITIES MARK OUT PRIOR TO ANY CONSTRUCTION.
- PROPERTY TO BE SERVICED BY PRIVATE WELL.
- PROPERTY TO BE SERVICED BY INDIVIDUAL SUBSURFACE SANITARY SYSTEM.
- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE STATE, COUNTY AND MUNICIPAL REQUIREMENTS.
- WETLAND LOCATIONS WERE FIELD DELINEATED BY ETI, INC. IN NOVEMBER 2020.
- PROJECT SITE IS LOCATED ENTIRELY WITHIN ZONE A (SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD, NO BASE FLOOD ELEVATIONS DETERMINED) AS SHOWN FLOOD INSURANCE RATE MAP PANEL NUMBER 340356 0005 B, REVISED SEPTEMBER 21, 2001, PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY.
- A FLOOD HAZARD AREA ELEVATION OF 237.5 WAS CALCULATED BY UTILIZING METHOD 5 PURSUANT TO NJAC 7-13.
- THE PROPOSED RECONSTRUCTION OF THE SINGLE FAMILY DWELLING COMPLIES WITH ALL CONDITIONS OF NJAC 7-13 PERMIT-BY-RULE #11, RECONSTRUCTION, RELOCATION, AND/OR ELEVATION OF A LAWFULLY EXISTING BUILDING.
- CONTRACTOR TO NOTIFY THIS OFFICE AND THE TOWNSHIP ENGINEER PRIOR TO MAKING ANY CHANGES TO DUE TO SITE CONDITIONS. ANY CHANGES SHALL BE APPROVED BY BOTH OFFICES.
- CONTRACTOR IS ADVISED THAT ALL APPLICABLE OSHA SAFETY REGULATIONS MUST BE FOLLOWED DURING THE COURSE OF CONSTRUCTION INCLUDING BUT NOT LIMITED TO POTENTIAL SHEETING AND SHORING OF EXCAVATIONS. THESE ENGINEERING DRAWINGS ARE NOT INTENDED TO ILLUSTRATE METHODS OF CONSTRUCTION AND IS THE RESPONSIBILITY OF THE CONTRACTOR TO EVALUATE THE ACTUAL SITE CONDITIONS AND COMPLY WITH APPLICABLE SAFETY REGULATIONS.
- THERE SHALL BE NO BUILDING MATERIALS BURIED ON SITE.
- ENTIRE PROPERTY HAS SLOPES LESS THAN 10%.



GOOGLE AERIAL MAP
1"=800'

OWNER/APPLICANT
 BENJAMIN ALLEMAN
 743 WHITE BRIDGE ROAD
 MILLINGTON, NJ. 07946

ZONING TABLE
 ZONE C (CONSERVATION)
 TAX MAP SHEET #46

MINIMUM LOT REQUIREMENTS	REQUIRED/PERMITTED	EXISTING	PROPOSED
MIN. LOT AREA (AC)	3.0	1,986	1,986
MIN. LOT WIDTH (FT)	250	150	150
MIN. FLOOR AREA (SF)	1,500	±2,139	2,598
MIN. FRONT YARD (FT)	75	71.6	70.0
MIN. SIDE YARD (FT)	25	31.1	31.5
MIN. SIDE YARD-BOTH (FT)	50 ¹	84.0	87.4
MIN. REAR YARD (FT)	50	435.1	442.2
MAX. PRINCIPAL BLDG HT (FT/STORIES)	35 FT, 2 1/2 STY.	<35 FT, 1 1/2 STY.	32.25 FT, 2 STY.
MAX. LOT COVERAGE (%)	15%	6.0%	6.2%
MAX. FLOOR AREA (SF)	7,460 ²	±2,139	2,598

¹ AGGREGATE WIDTH OF SIDE YARDS SHALL EQUAL AT LEAST 30% OF LOT WIDTH AT THE BUILDING LINE (150 FT X 30% = 45 FT). 50 FT WOULD PREVAIL.
² LU-132.6 = FLOOR AREA RATIOS IN RESIDENTIAL ZONES
 6,000 SF (LOT AREAS BETWEEN 50,000 SF AND 150,000 SF) PLUS 4% OF LOT AREA IN EXCESS OVER 50,000 SF [6,000 SF + 36,510 SF X .04] = 7,460 SF

NO.	DATE	DESCRIPTION	BY

CLIENT: BENJAMIN ALLEMAN
 743 WHITE BRIDGE ROAD
 GILLETTE, N.J. 07933
 PH.#(973) 255-6440

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 State Board of Professional Engineers and Land Surveyors
 NJ C.O.F.A.# 24CA28089000

JEFFREY J. CAREAGA
 PROFESSIONAL ENGINEER, N.J. LIC. NO. 35973

VARIANCE PLAN
 743 WHITE BRIDGE ROAD
 LOT 4 BLOCK 14601
 SITUATED IN:
 TOWNSHIP OF LONG HILL
 MORRIS COUNTY NEW JERSEY

DATE: 04/28/21 SCALE: SHOWN PROJECT NUMBER: 13936
 DRAWN BY: JM CHECKED BY: JJC SHEET: 1 OF 2

MORRIS COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL SOIL EROSION AND SEDIMENT CONTROL NOTES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
- ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. SEE NOTE 21 BELOW.
- PERMANENT VEGETATION IS TO BE ESTABLISHED ON EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH IS TO BE USED FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED. SEE NOTE 22 BELOW.
- IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS (STEEP SLOPES, SANDY SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN ACCORDANCE WITH NOTE 21 BELOW.
- TEMPORARY DIVERSION BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAY AND EASEMENT AREAS. SEE THE DIVERSION DETAIL.
- PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION COVER", SPECIFIED RATES AND LOCATION SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.
- THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
- ALL SEDIMENTATION STRUCTURES (SILT FENCE, INLET FILTERS, AND SEDIMENT BASINS) WILL BE INSPECTED AND MAINTAINED DAILY.
- STOCKPILES SHALL NOT BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPILE BASES SHALL HAVE A SILT FENCE PROPERLY ENTRENCHED AT THE TOE OF SLOPE.
- A STABILIZED CONSTRUCTION ACCESS WILL BE INSTALLED, WHENEVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. SEE THE STABILIZED CONSTRUCTION ACCESS DETAIL AND CHART FOR DIMENSIONS.
- ALL NEW ROADWAYS WILL BE TREATED WITH A SUITABLE SUBBASE UPON ESTABLISHMENT OF FINAL GRADE ELEVATIONS.
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
- BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED AS REQUIRED.
- ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE FILTER SHOULD BE COMPOSED OF A FABRIC OR APPROVED MATERIAL. SEE THE DEWATERING DETAIL.
- ALL SEDIMENTATION BASINS WILL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. A CLEAN OUT ELEVATION WILL BE IDENTIFIED ON THE PLAN AND A MARKER INSTALLED ON THE SITE.
- DURING AND AFTER CONSTRUCTION, THE APPLICANT WILL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATIVE COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE DISTRICT. SAID RESPONSIBILITY WILL END WHEN COMPLETED WORK IS APPROVED BY THE MORRIS COUNTY SOIL CONSERVATION DISTRICT.
- ALL TREES OUTSIDE THE DISTURBANCE LIMIT INDICATED ON THE SUBJECT PLAN OR THOSE TREES WITHIN THE DISTURBANCE AREA WHICH ARE DESIGNATED TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH TREE PROTECTION DEVICES. SEE THE TREE PROTECTION DETAIL.
- THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.
- THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 72 HOURS PRIOR TO ANY LAND DISTURBANCE, AND A PRE-CONSTRUCTION MEETING HELD.
- CONTRACTOR TO SET UP A MEETING WITH THE INSPECTOR FOR PERIODIC INSPECTIONS OF THE TEMPORARY SEDIMENT BASIN PRIOR TO AND DURING ITS CONSTRUCTION.

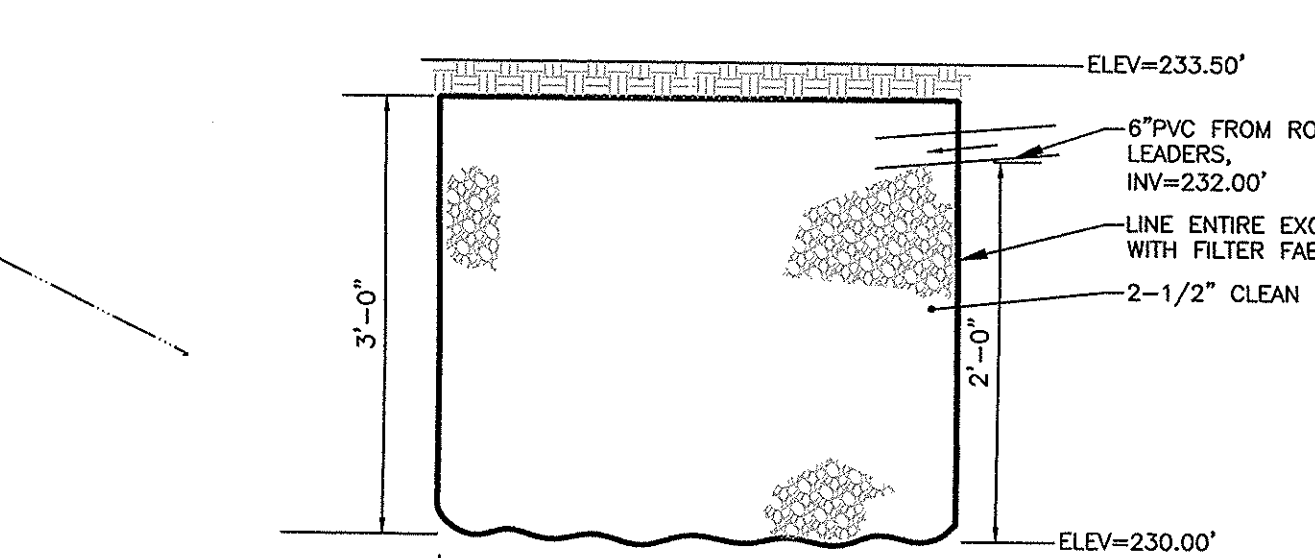
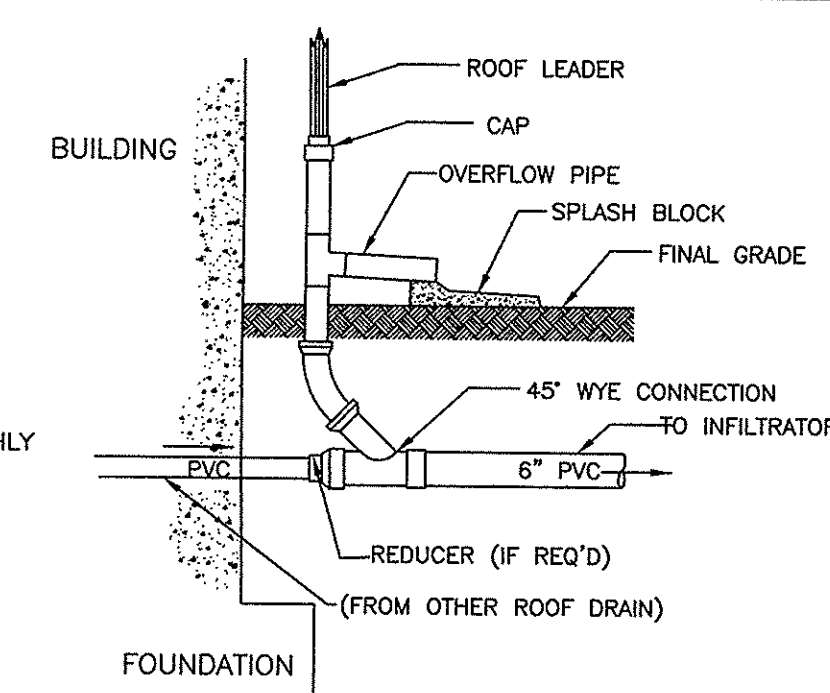
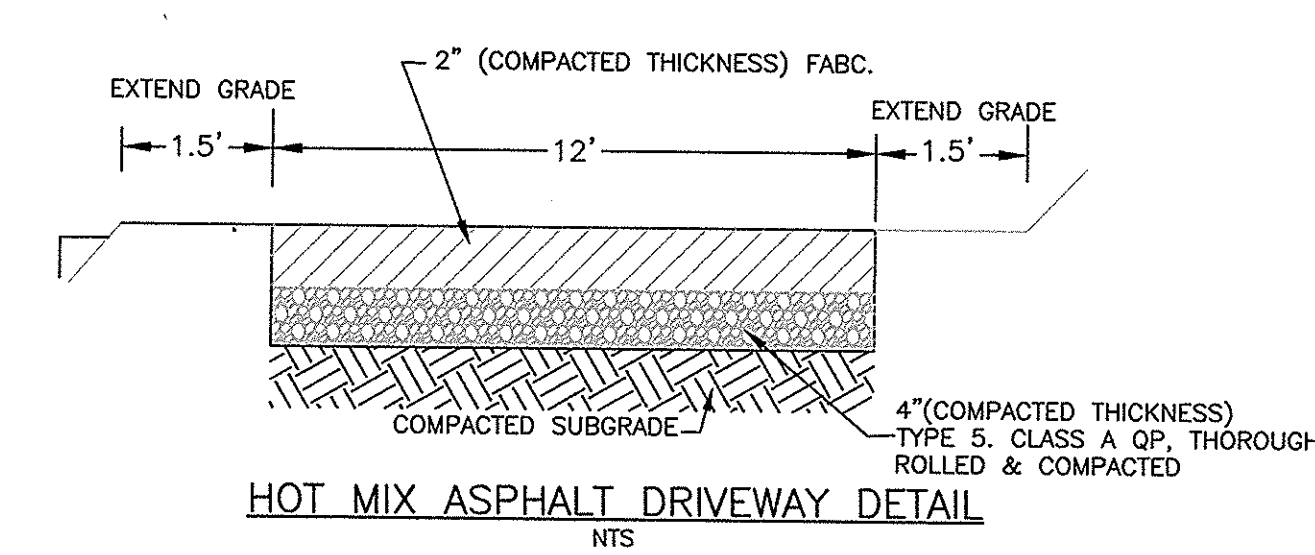
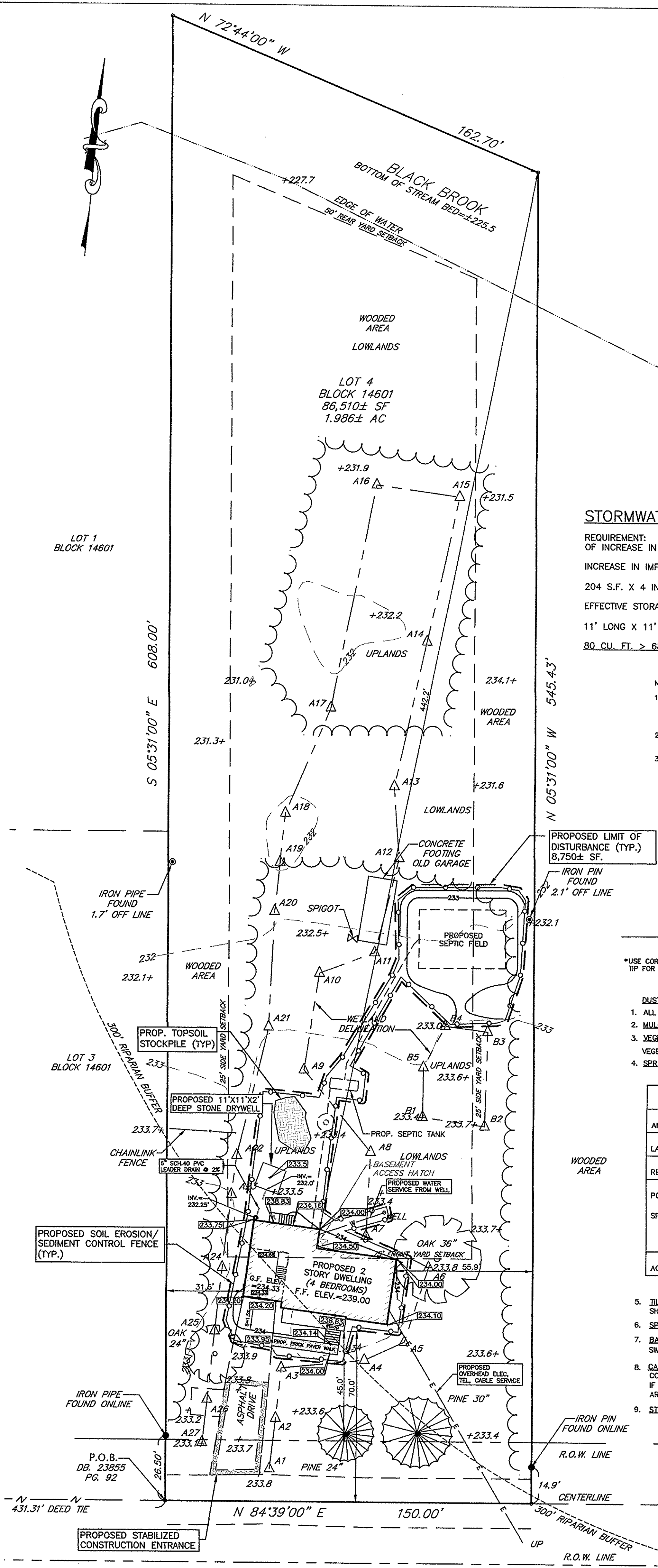
SOIL DECOMPACTION AND TESTING REQUIREMENTS

- SOIL COMPACTION TESTING REQUIREMENTS**
 - SUBGRADE PRIOR TO THE APPLICATION OF TOPSOIL (SEE PERMANENT SEEDING AND STABILIZATION NOTES FOR TOPSOIL REQUIREMENTS) SHALL BE FREE OF EXCESSIVE COMPACTION TO A DEPTH OF 6.0 INCHES TO ENHANCE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.
 - AREAS OF THE SITE WHICH ARE SUBJECT TO COMPACTION TESTING AND/OR MITIGATION ARE GRAPHICALLY DEFINED ON THE CERTIFIED SOIL EROSION CONTROL PLAN.
 - COMPACTION TESTING LOCATIONS ARE DENOTED ON THE PLAN. A COPY OF THE PLAN OR PORTION OF THE PLAN SHALL BE USED TO MARK LOCATIONS OF TESTS, AND ATTACHED TO THE COMPACTION REMEDIATION FORM, AVAILABLE FROM THE LOCAL SOIL CONSERVATION DISTRICT. THIS FORM MUST BE FILLED OUT AND SUBMITTED PRIOR TO RECEIVING A CERTIFICATE OF COMPLIANCE FROM THE DISTRICT.
 - IN THE EVENT THAT TESTING INDICATES COMPACTION IN EXCESS OF THE MAXIMUM THRESHOLDS INDICATED FOR THE SIMPLIFIED TESTING METHODS (SEE DETAILS BELOW), THE CONTRACTOR/OWNER SHALL HAVE THE OPTION TO PERFORM EITHER (1) COMPACTION MITIGATION OVER THE ENTIRE MITIGATION AREA DEFINED ON THE PLAN (EXCLUDING EXEMPT AREAS), OR (2) PERFORM ADDITIONAL, MORE DETAILED TESTING TO ESTABLISH THE LIMITS OF EXCESSIVE COMPACTION WHEREUPON ONLY THE EXCESSIVELY COMPACTED AREAS WOULD REQUIRE COMPACTION MITIGATION. ADDITIONAL DETAILED TESTING SHALL BE PERFORMED BY A TRAINED, LICENSED PROFESSIONAL.
 - COMPACTION TESTING METHODS**
 - PROBING WIRE TEST (SEE DETAIL)
 - HAND-HELD PENETROMETER TEST (SEE DETAIL)
 - TUBE BULK DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
 - NUCLEAR DENSITY TEST (LICENSED PROFESSIONAL ENGINEER REQUIRED)
- NOTE: ADDITIONAL TESTING METHODS WHICH CONFORM TO ASTM STANDARDS AND SPECIFICATIONS, AND WHICH PRODUCE A DRY WEIGHT, SOIL BULK DENSITY MEASUREMENT MAY BE ALLOWED SUBJECT TO DISTRICT APPROVAL.
- SOIL COMPACTION TESTING IS NOT REQUIRED IF WHEN SUBSOIL COMPACTION REMEDIATION (SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) OR SIMILAR) IS PROPOSED AS PART OF THE SEQUENCE OF CONSTRUCTION.
- PROCEDURES FOR SOIL COMPACTION MITIGATION**

PROCEDURES SHALL BE USED TO MITIGATE EXCESSIVE SOIL COMPACTION PRIOR TO PLACEMENT OF TOPSOIL AND ESTABLISHMENT OF PERMANENT VEGETATIVE COVER.

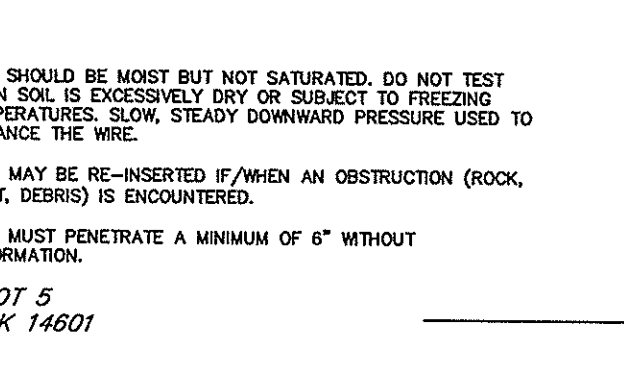
RESTORATION OF COMPACTED SOILS SHALL BE THROUGH DEEP SCARIFICATION/TILLAGE (6" MINIMUM DEPTH) WHERE THERE IS NO DANGER TO UNDERGROUND UTILITIES (CABLES, IRRIGATION SYSTEMS, ETC.). IN THE ALTERNATE, ANOTHER METHOD AS SPECIFIED BY A NEW JERSEY LICENSED PROFESSIONAL ENGINEER MAY BE SUBSTITUTED SUBJECT TO DISTRICT APPROVAL.

- MAP REFERENCES**
- BOUNDARY INFORMATION AND TOPOGRAPHY AS PER "PARTIAL TOPOGRAPHIC SURVEY WETLAND LOCATION" PREPARED BY CAREAGA ENGINEERING AND SIGNED BY CHARLES WORTHINGTON, PLS. (LIC. NO. 34026), DATED FEBRUARY 19, 2021.
 - TOWNSHIP OF LONG HILL TAX MAP SHEET 46.



STORMWATER CALCULATION

REQUIREMENT: 4" RUNOFF STORAGE PER 1 S.F. OF INCREASE IN IMPERVIOUS COVERAGE.
 INCREASE IN IMPERVIOUS COVERAGE = 204 S.F.
 204 S.F. X 4 IN./12 IN. = 68 CU. FT. REQUIRED
 EFFECTIVE STORAGE VOLUME: 80 CU. FT.
 11' LONG X 11' WIDE X 2' DEEP X 0.33 (VOID RATIO)
 80 CU. FT. > 68 CU. FT., THEREFORE SIZED PROPERLY



- NOTES:**
- SOIL SHOULD BE MOST BUT NOT SATURATED. DO NOT TEST WHEN SOIL IS EXCESSIVELY DRY OR SUBJECT TO FREEZING TEMPERATURES. SLOW, STEADY DOWNWARD PRESSURE USED TO ADVANCE THE WIRE.
 - WIRE MAY BE RE-INSERTED IF/WHEN AN OBSTRUCTION (ROCK, ROOT, DEBRIS) IS ENCOUNTERED.
 - WIRE MUST PENETRATE A MINIMUM OF 6" WITHOUT DEFORMATION.
- LOT 5 BLOCK 14601

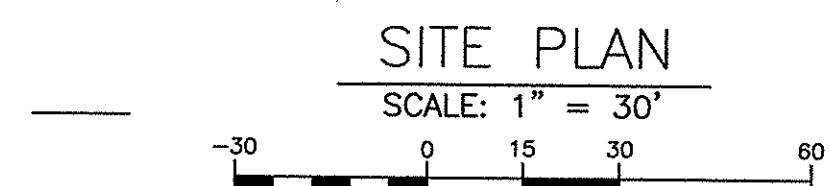
DUST CONTROL NOTES

- ALL DUST CONTROL MEASURES ARE SUBJECT TO F.A.A. APPROVAL/REGULATIONS.
- MULCHES-SEE STANDARD FOR STABILIZATION WITH MULCHES ONLY. NOT RECOMMENDED FOR AIRPORT APPLICATIONS.
- VEGETATIVE COVER - SEE STANDARD FOR TEMPORARY VEGETATIVE COVER, PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION AND PERMANENT STABILIZATION WITH SOIL.
- SPRAY-ON-ADHESIVES-ON MINERAL SOILS. NOT EFFECTIVE ON MUCK SOILS. KEEP TRAFFIC OFF THESE AREAS.

TABLE 16-1 : DUST CONTROL MATERIALS

MATERIAL	WATER DILUTION	TYPE OF NOZZLE	APPLY GAL./AC.
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN IN WATER	4:1	FINE SPRAY	300
POLYACRYLAMIDE (PAM)	APPLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS. MAY ALSO BE USED AS AN ADDITIVE TO SEDIMENT BASINS TO FLOCCULATE AND PRECIPITATE SUSPENDED COLLOIDS.		
SPRAY ON OR DRY SPREAD	SEE SEDIMENT BASIN STANDARD (Pg. 28-1)		
ADULATED SOY BEAN SOAP STICK	NONE	COARSE SPRAY	1200

- TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS A TEMPORARY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN BLOWING ON WINDWARD SIDE.
- SPRINKLING - SITE IS SPRINKLED UNTIL SURFACE IS WET.
- BARRIERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
- CALCIUM CHLORIDE - SHALL BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH COMMONLY USED SPREADERS AT A RATE THAT WILL KEEP SURFACE MOST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. IF USED ON STEEPER SLOPES, THEN USE OTHER PRACTICES TO PREVENT WASHING INTO STREAMS OR ACCUMULATION AROUND PLANTS.
- SIDING - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.



OWNER/APPLICANT
 BENJAMIN ALLEMAN
 743 WHITE BRIDGE ROAD
 GILLETTE, N.J. 07933

NO.	DATE	DESCRIPTION	BY

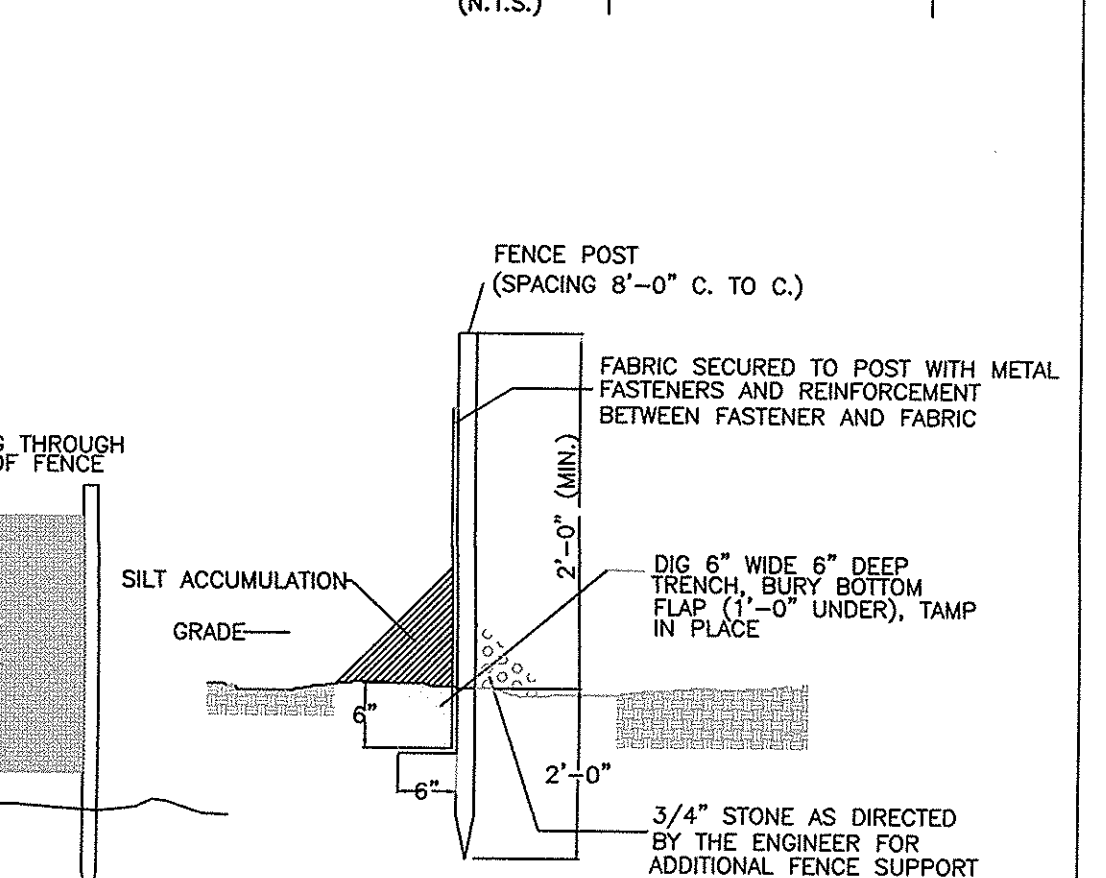
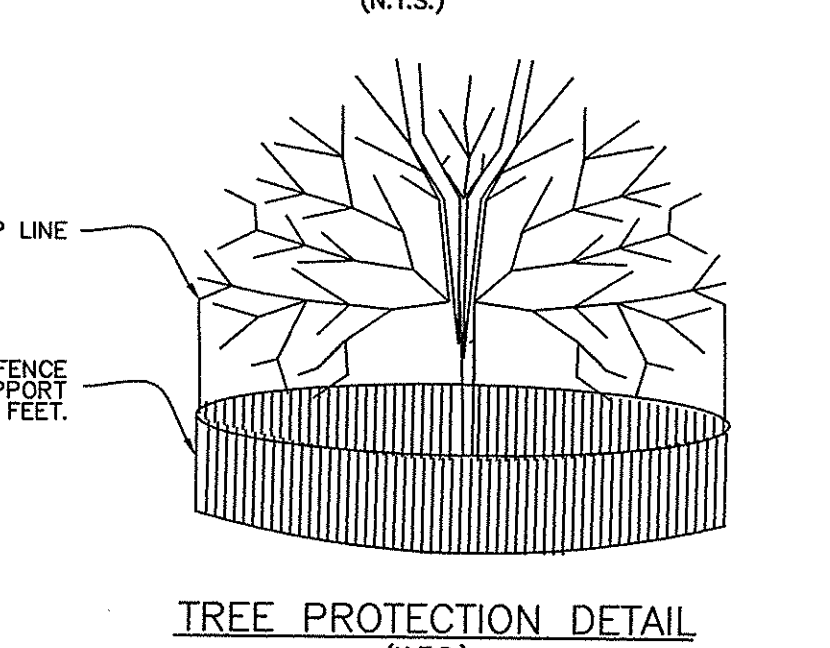
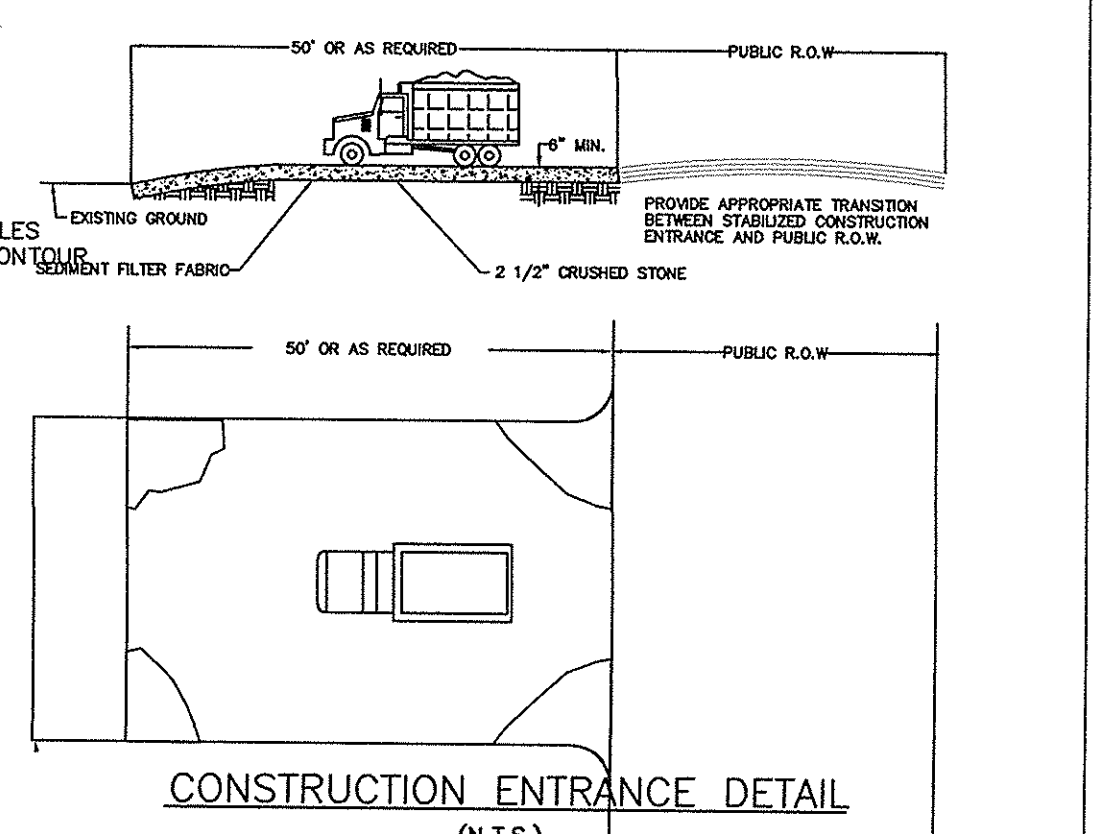
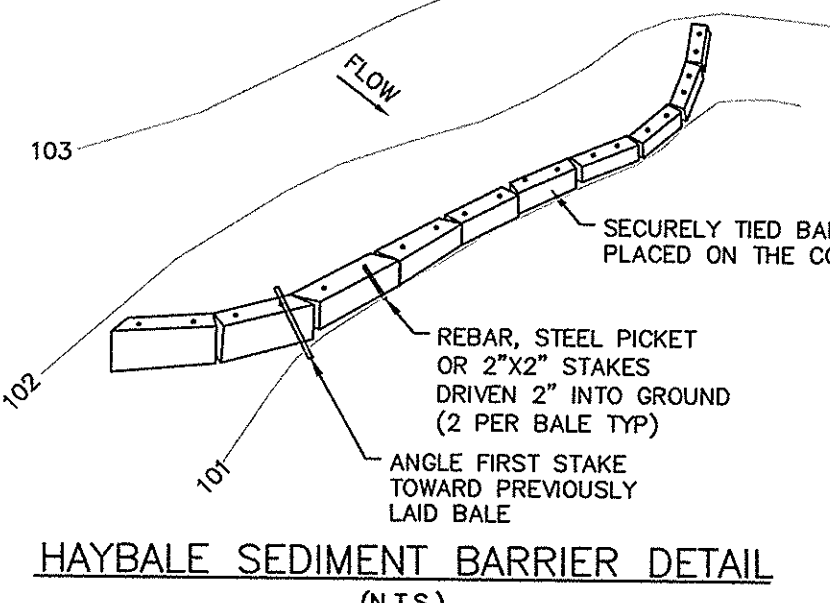
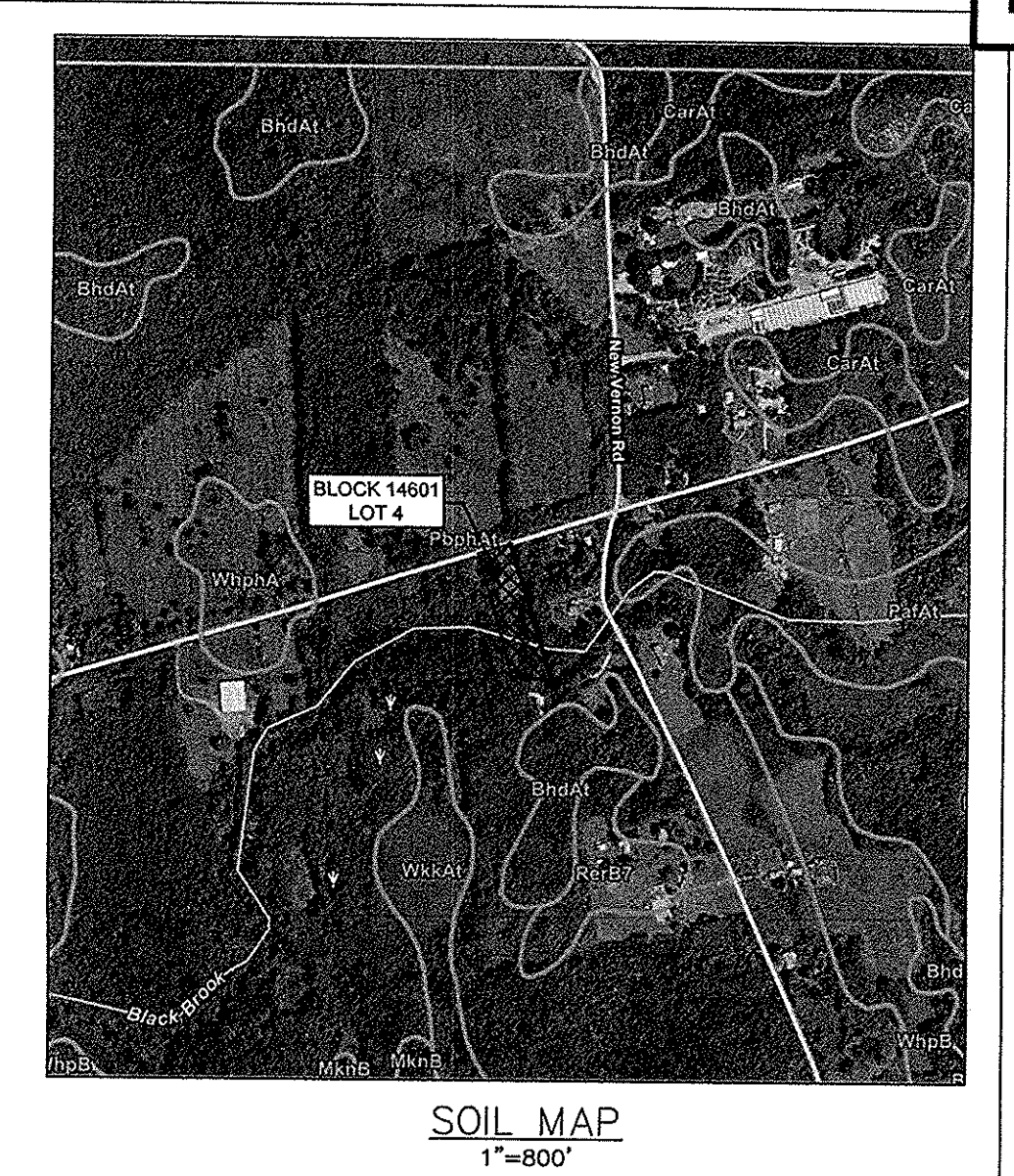
CLIENT: **BENJAMIN ALLEMAN**
 743 WHITE BRIDGE ROAD
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JEFREY J. CAREAGA
 PROFESSIONAL ENGINEER, N.J. (LIC. NO. 35973)

VARIANCE PLAN
 743 WHITE BRIDGE ROAD
 LOT 4 BLOCK 14601
 SITUATED IN:
 TOWNSHIP OF LONG HILL
 MORRIS COUNTY NEW JERSEY

DATE: 04/28/21 SCALE: SHOWN PROJECT NUMBER: 13936
 DRAWN BY: JM CHECKED BY: JJC SHEET: 2 OF 2



SEQUENCE OF CONSTRUCTION

- INSTALL EROSION CONTROL MEASURES 1 DAY
 - STRIP AND STOCKPILE TOPSOIL, TEMPORARY SEEDING 1 DAY
 - DEMOLITION OF EXISTING DWELLING 30 DAYS
 - CONSTRUCTION OF DWELLING 120 DAYS
 - INSTALL UTILITIES 10 DAYS
 - FINE GRADE AND BASE COURSE FOR DRIVEWAY 5 DAYS
 - PERMANENT SEEDING 2 DAYS
 - LANDSCAPING/DRIVEWAY PAVEMENT 5 DAYS
 - REMOVE TEMPORARY SEDIMENT CONTROL MEASURES 2 DAYS
- TOTAL 176 DAYS
- NOTE: SEQUENCE OF CONSTRUCTION IS APPROXIMATE AND IS SUBJECT TO WEATHER CONDITIONS, LABOR AND MATERIAL AVAILABILITY.

