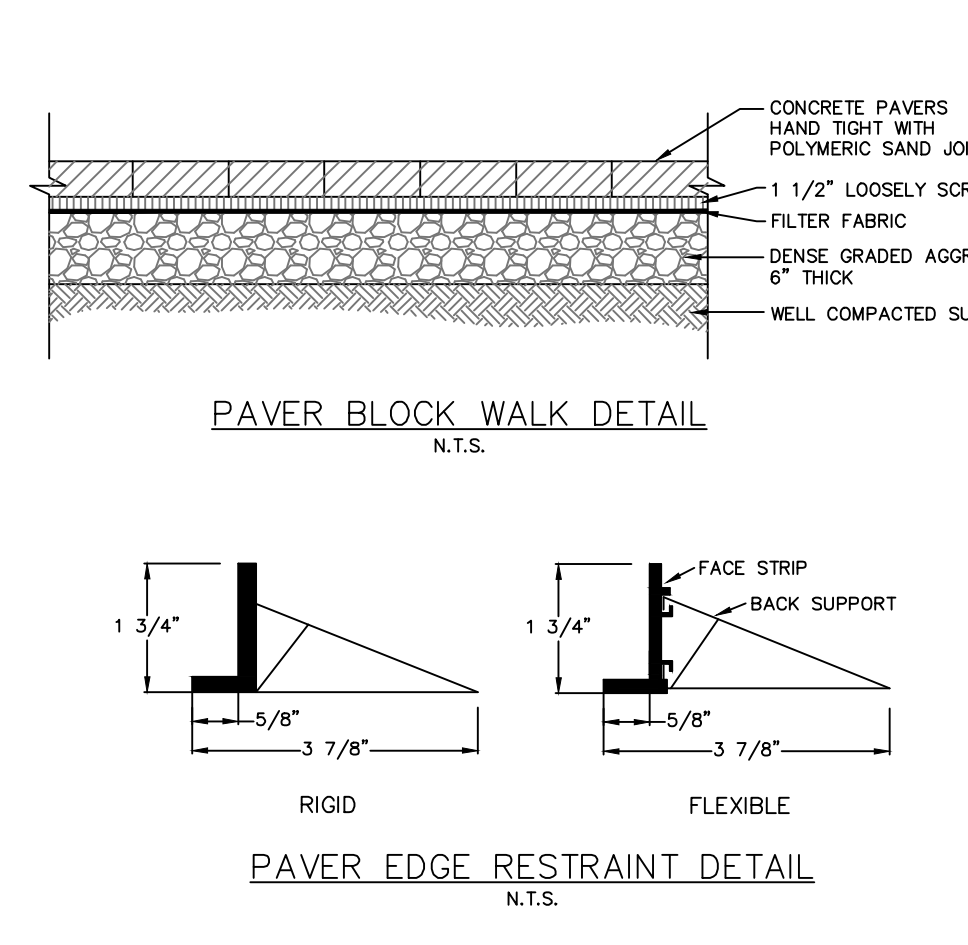


BERGEN COUNTY SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL NOTES

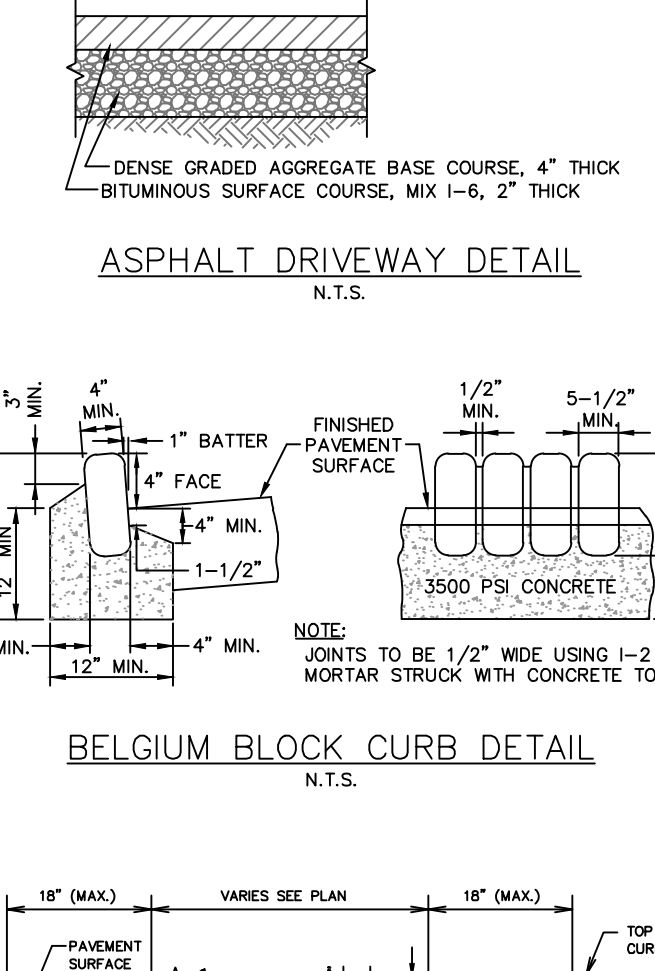
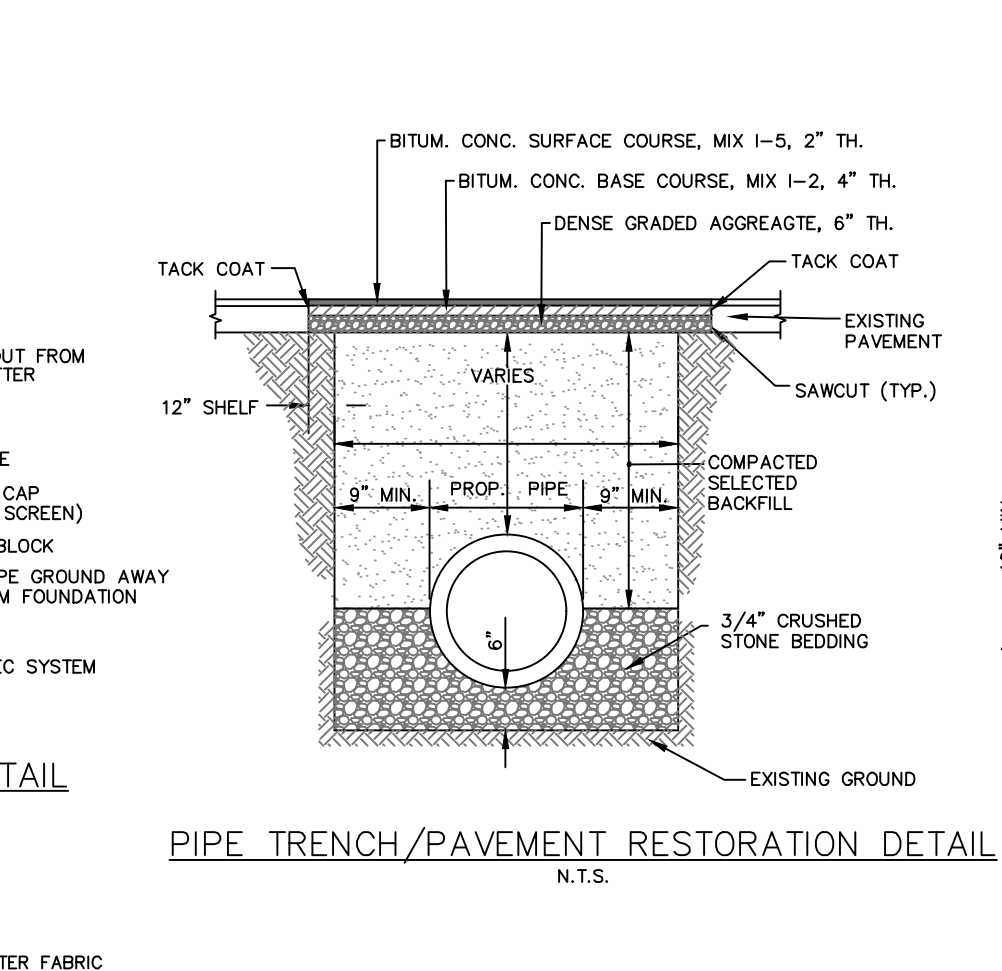
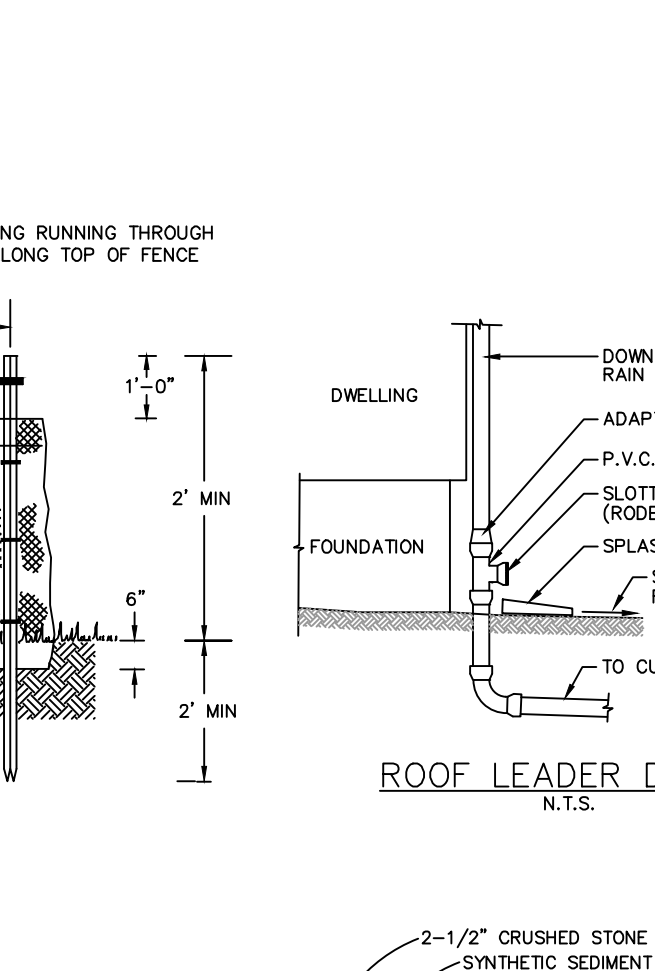
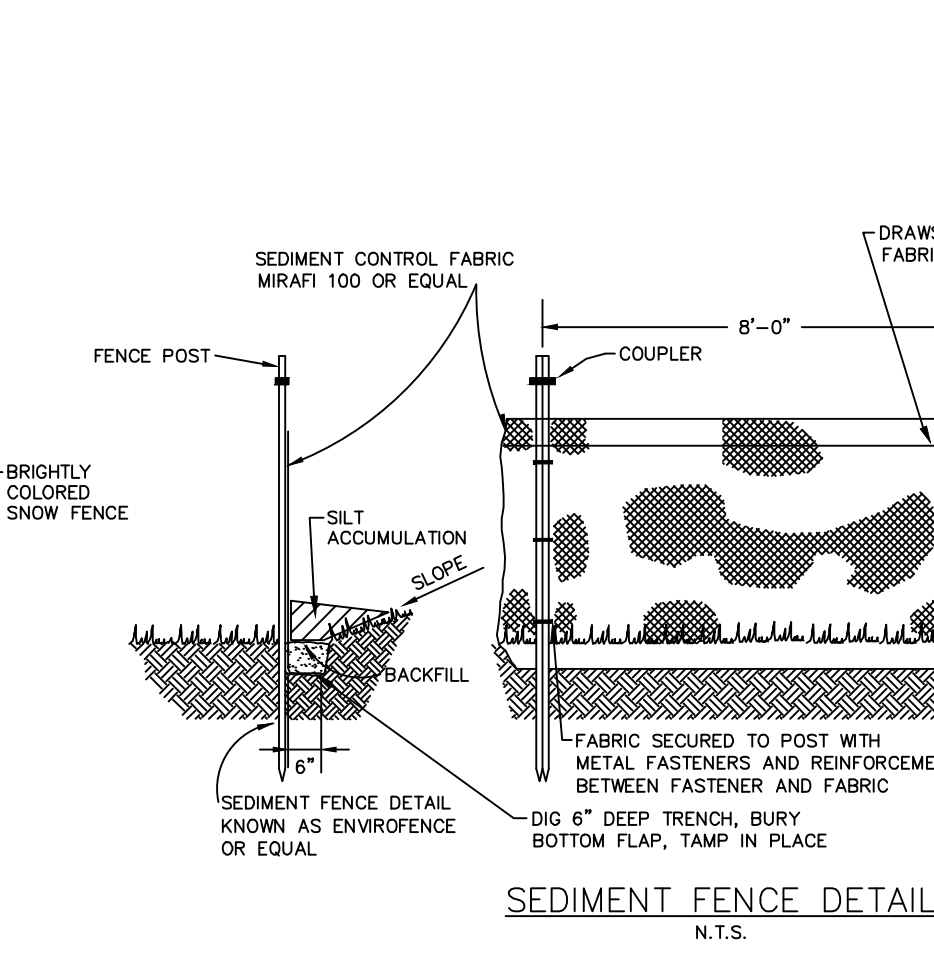
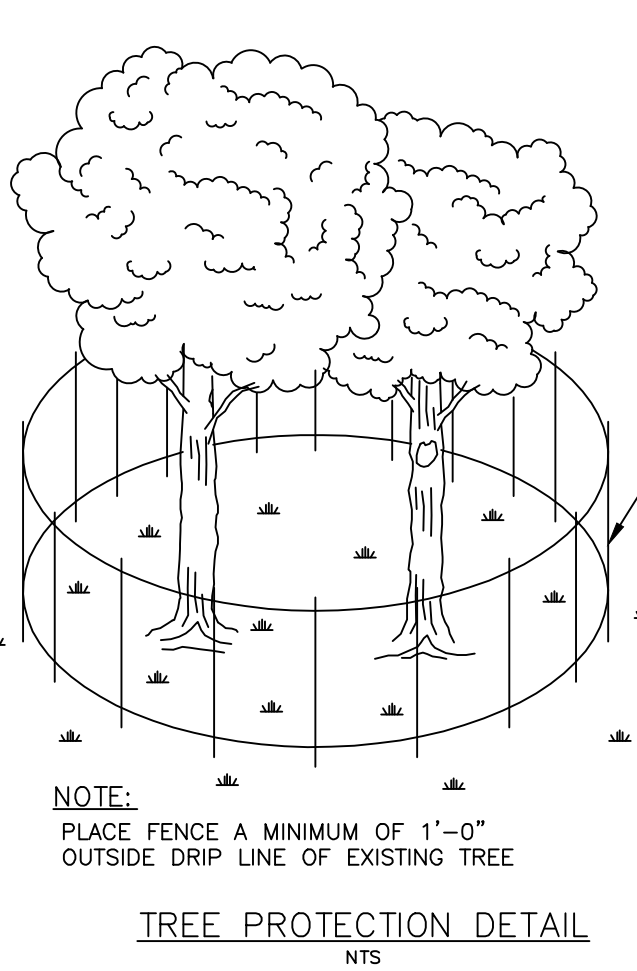
- All soil erosion and sediment control practices will be installed in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey (NJ Standards), and will be installed in proper sequence and maintained until permanent stabilization is established.
- Any disturbed area that will be left exposed for more than 30 days and not subject to construction traffic shall immediately receive a temporary seeding and mulching. If the season prohibits temporary seeding, the disturbed area will be mulched with unrotted straw at a rate of 2 tons per acre anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
- Immediately following initial disturbance or rough grading, all critical areas subject to erosion will receive a temporary seeding in combination with straw mulch or a suitable equivalent, at a rate of 2 tons per acre, according to the NJ Standards.
- Stabilization Specifications:**
 - Temporary Seeding and Mulching:**
 - Ground Limestone** - Applied uniformly according to soil test recommendations.
 - Fertilizer** - Apply 11 lbs./1,000 sq. ft. of 10-20-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
 - Seed** - Turf type tall fescue (blend of 3 seeders) 350 lbs./acre (8 lbs./1,000 sq. ft) or other approved seed; plant between March 1 and May 15 or between August 15 and October 1.
 - Mulch** - Unrotted straw or hay at a rate of 70 to 90 lbs./1,000 sq. ft. applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
 - Permanent Seeding and Mulching:**
 - Topsoil** - A uniform application to an average depth of 6", minimum of 4" firming in place is required.
 - Ground Limestone** - Applied uniformly according to soil test recommendations.
 - Fertilizer** - Apply 11 lbs./1,000 sq. ft. of 10-10-10 or equivalent with 50% water insoluble nitrogen (unless a soil test indicates otherwise) worked into the soil a minimum of 4".
 - Seed** - Turf type tall fescue (blend of 3 seeders) 350 lbs./acre (8 lbs./1,000 sq. ft) or other approved seed; plant between March 1 and October 1 (summer seeding requires irrigation).
 - Mulch** - Unrotted straw or hay at a rate of 70 to 90 lbs./1,000 sq. ft. applied to achieve 95% soil surface coverage. Mulch shall be anchored by approved methods (i.e. peg and twine, mulch netting, or liquid mulch binder).
- The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
- Soil erosion and sediment control measures will be inspected and maintained on a regular basis, including after every storm event.
- Stockpiles are not to be located within 50' of a floodplain, slope, roadway or drainage facility. The base of all stockpiles shall be contained by a hessian sediment barrier or silt fence.
- A crushed stone, vehicle wheel-cleaning blanket will be installed wherever a construction access road intersects any paved roadway. Said blanket will be composed of 1" - 2 1/2" crushed stone, 8" thick, will be at least 30' x 100' and should be underlain with a suitable synthetic sediment filter fabric and maintained.
- Maximum side slopes of all exposed surfaces shall not exceed 3:1 unless otherwise approved by the District.
- Driveways must be stabilized with 1" - 2 1/2" crushed stone or subbase prior to individual lot construction.
- All soil washed, dropped, spilled or tracked outside the limit of disturbance or onto public right-of-ways, will be removed immediately. Paved roadways must be kept clean at all times.
- Catch basin inlets will be protected with an inlet filter designed in accordance with Section 28-1 of the NJ Standards.
- Storm drainage outlets will be stabilized, as required, before the discharge points become operational.
- De-watering operations must discharge directly into a sediment control basin or other approved filter in accordance with Section 14-1 of the NJ Standards.
- Dust shall be controlled via the application of water, calcium chloride or other approved method in accordance with Section 16-1 of the NJ Standards.
- Trees to remain after construction are to be protected with a suitable fence installed at the trip line or beyond in accordance with Section 14-1 of the NJ Standards.
- Any revision to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.
- The project owner shall be responsible for any erosion or sedimentation that may occur below stormwater outfalls or on-site as a result of construction of the project.
- Any revision to the certified Soil Erosion and Sediment Control Plan must be submitted to the District for review and approval prior to implementation in the field.
- A copy of the certified Soil Erosion and Sediment Control Plan shall be available at the project site throughout construction.
- The Bergen County Soil Conservation District must be notified, in writing, at least 48 hours prior to any land disturbance. Bergen County SCD, 700 Kinderkamack Road, Suite 106, Oradell, NJ 07649. Tel: 201-261-4407; Fax: 201-261-7971.
- The Bergen County Soil Conservation District may request additional measures to minimize on- or off-site erosion problems during construction.
- The owner must obtain a District issued report of compliance prior to the issuance of any certificate of occupancy. The District requires at least one week's notice to facilitate the scheduling of all reports of compliance.
- All work must be completed, including temporary/permanent stabilization of all exposed areas, prior to the issuance of a report of compliance by the District. Revised 12/17/11



THIS PROJECT IS EXEMPT FROM SOIL COMPACTION TESTING AND REMEDIATION AS IT IS LOCATED IN AN URBAN REDEVELOPMENT AREA

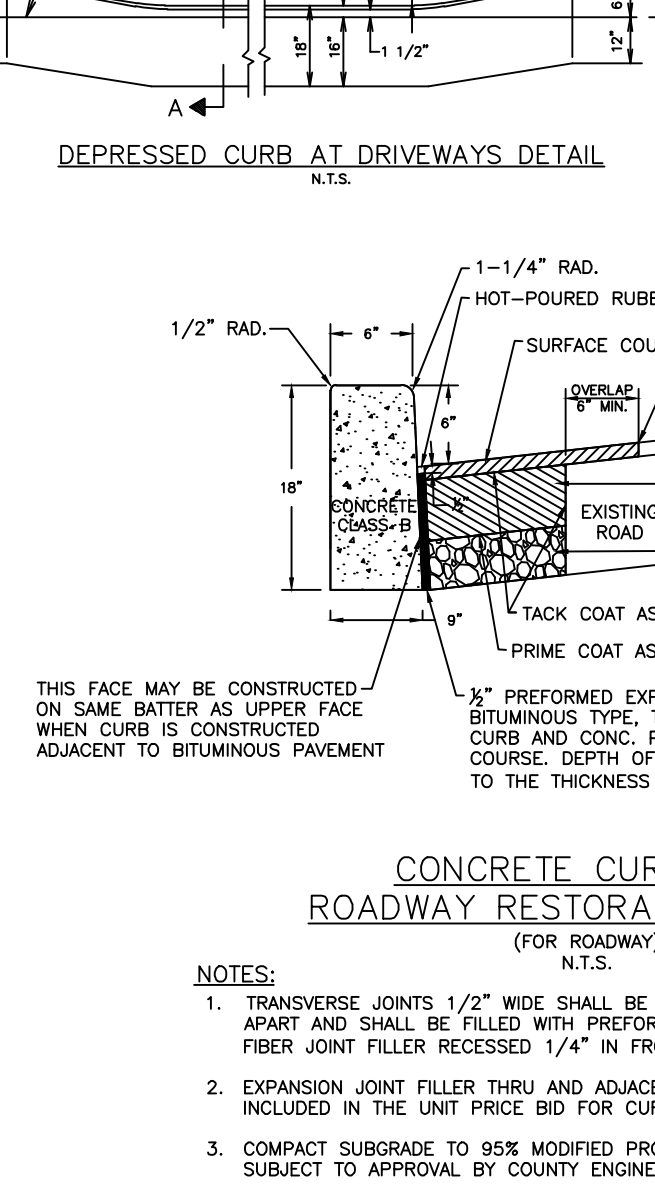
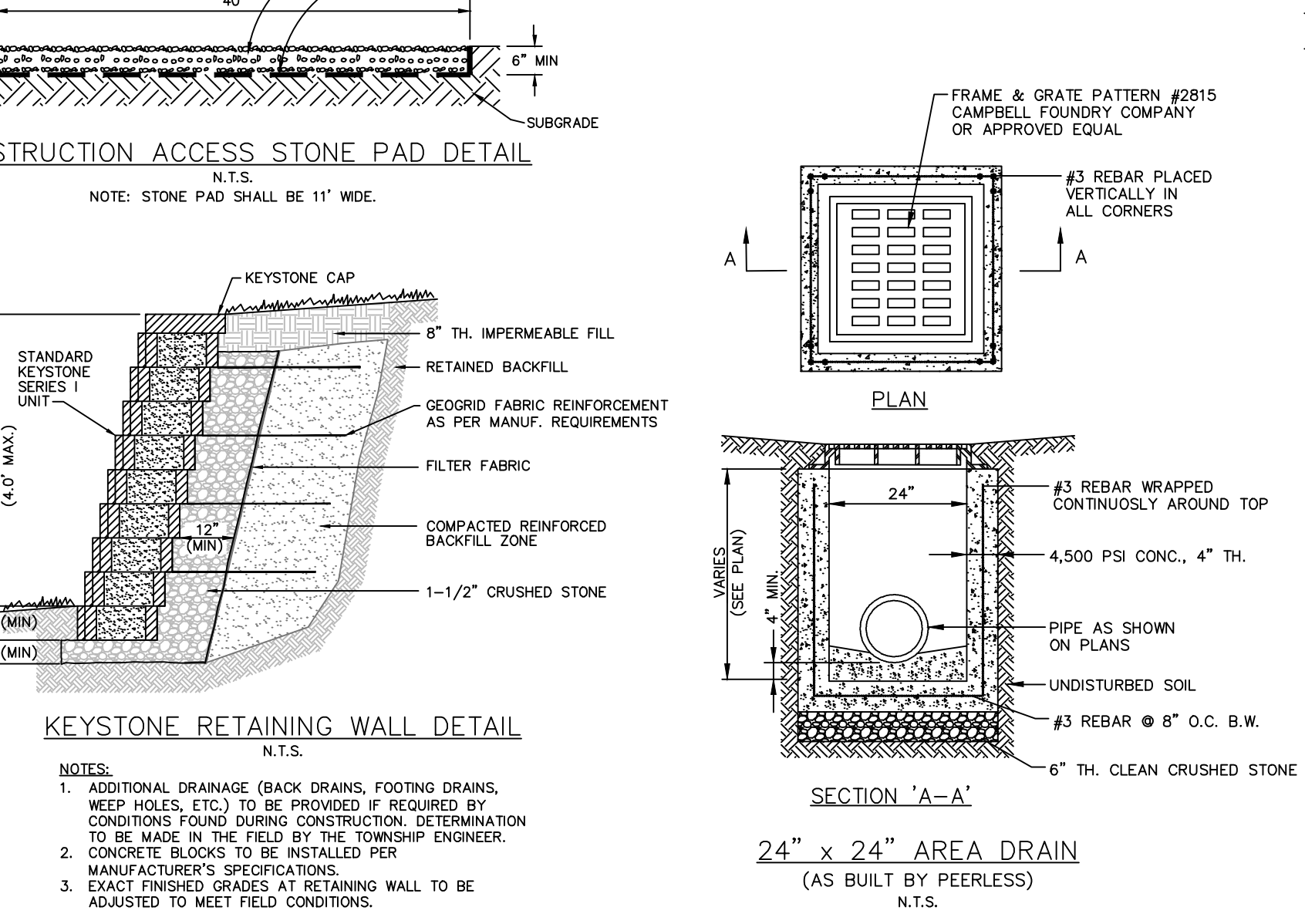
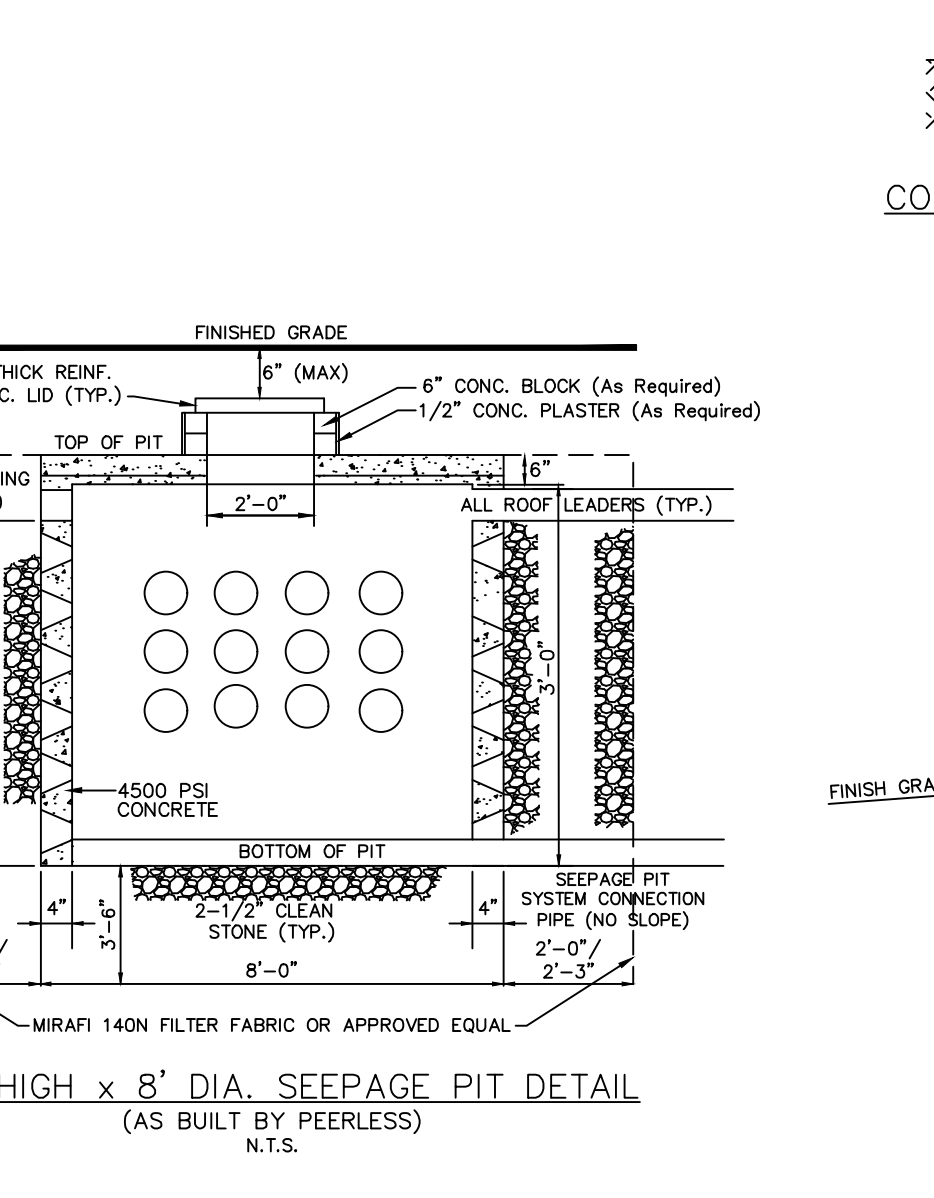
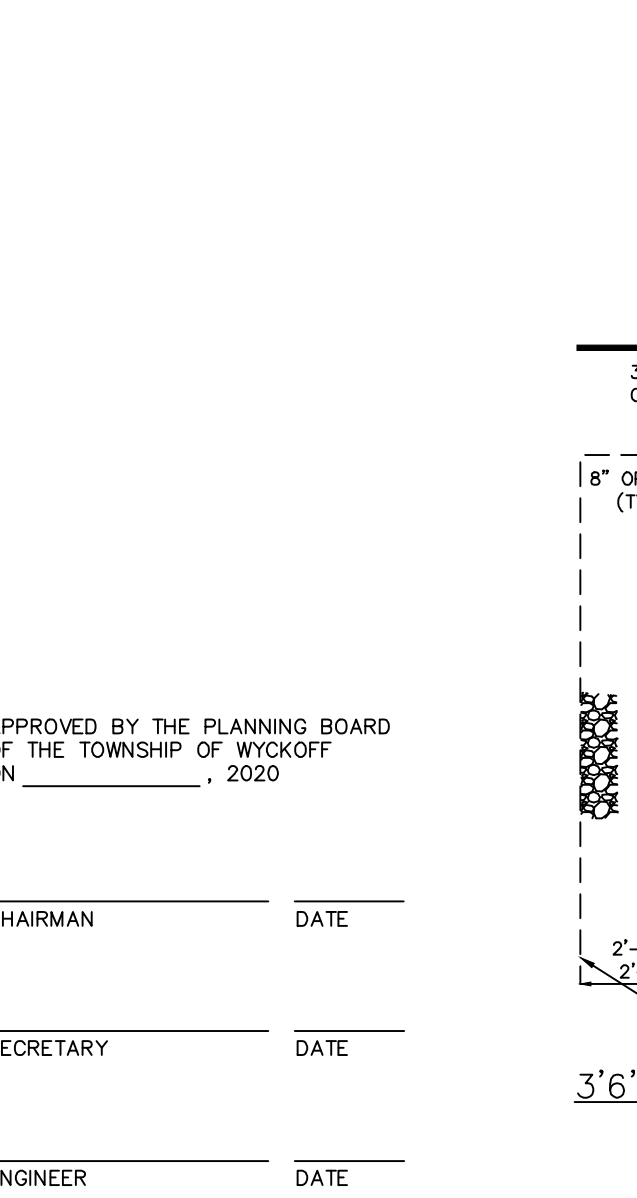
CONSTRUCTION SEQUENCE (SITEWORK):

- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. 1 DAY
- CONSTRUCT SILT FENCE. 1 DAY
- CLEAR SITE WITHIN LIMIT OF DISTURBANCE, STRIP AND STOCKPILE TOPSOIL AND GRADE SITE. 1 DAY
- EXCAVATE FOR FOUNDATION & SEWAGE PITS. 1 WEEK
- CONSTRUCT BUILDING AND APURTANCES. 4 MONTHS
- CONSTRUCT ROOF DRAINS AND SEWAGE PITS. 2 DAYS
- AFTER BUILDING IS COMPLETE, PERFORM FINAL GRADING, UNIFORMLY APPLY TOPSOIL TO AN AVERAGE DEPTH OF 5". 1 WEEK
- CONSTRUCT BASE COURSE PAVEMENT AND FINAL PAVEMENT COURSE. 1 DAY
- REMOVE EROSION CONTROL DEVICES WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED. 1 DAY



NOTES (CONT'D):

- ALL ROOF LEADER DRAINS TO BE CONNECTED TO THE PROPOSED SEWAGE PITS.
- OVERFLOW TEE CONNECTIONS AND SPLASH BLOCKS TO BE INSTALLED AT ALL ROOF LEADER DRAIN DOWNSPOUTS.
- APPLICANT GRANTS TOWNSHIP OFFICIALS AND EMPLOYEES PERMISSIONS TO ENTER PROPERTY FOR THE PURPOSE OF SURVEYS/INSPECTIONS.
- ALL CURB & ROADWAY DAMAGED DURING CONSTRUCTION TO BE REPLACED TO TOWNSHIP STANDARDS.
- PROPOSED CURB TO BE CONSTRUCTED TO THE TOWNSHIP'S SPECIFICATIONS.
- A POST CONSTRUCTION CERTIFICATION OF ZERO NET INCREASE IN RUNOFF BY THE DESIGN ENGINEER OR ENGINEER-IN-CHARGE BE PROVIDED TOGETHER WITH A FINAL AS BUILT SURVEY INCLUDING TOPOGRAPHY IS REQUIRED TO OBTAIN A CERTIFICATE OF OCCUPANCY.
- PRIOR TO THE IMPORT OF ANY SOIL, A SOIL MANIFEST, CERTIFICATE OF ORIGIN SHALL BE PROVIDED TO THE TOWNSHIP ENGINEER TO ENSURE ALL IMPORTED MATERIAL OF DEBRIS AND DOES NOT CONTAIN CONTAMINANTS WHICH EXCEED THE RESIDENTIAL DIRECT CONTACT SOIL REMEDIATION STANDARDS (NRDCRSR).
- THERE CURRENTLY EXISTS A POTABLE WATER WELL IN FRONT OF THE LOCATION OF THE FORMER DWELLING. IF IT IS THE OWNER'S INTENT TO POSSIBLY UTILIZE THIS WELL FOR THREE PURPOSES, AN EVALUATION OF THE WELL SHALL BE CONDUCTED BY A LICENSED WELL DRILLER TO EVALUATE THE CONDITION OF THE WELL ITSELF AND THE QUALITY OF WATER THAT COULD BE EXTRACTED THEREFROM TO DETERMINE IF THIS WATER SOURCE COMPLIES WITH THE N.J.D.E.P.'S SAFE DRINKING WATER STANDARDS. IF THIS WELL IS NOT GOING TO BE USED FOR DRINKING WATER, EITHER AT THE WELL SITE OR SEVERELY AND SEALED BY A LICENSED WELL DRILLER, OR, 2) IF THE OWNERS WISH TO USE THE WELL FOR IRRIGATION PURPOSES, A WILL-SERVE LETTER SHALL BE OBTAINED FROM THE LOCAL WATER PROVIDER (RIDGEWOOD WATER) INDICATING THAT THE CAPACITY EXISTS IN THE LOCAL MAIN TO PROVIDE POTABLE WATER FOR THE PROPOSED DWELLING. THIS LETTER MUST BE OBTAINED AND PRESENTED TO THE WYCKOFF TOWNSHIP ENGINEER AND THE WYCKOFF BUILDING DEPARTMENT.



SOIL MOVING CALCULATIONS:

BASEMENT EXCAVATION AREA OF NEW BASEMENT = 2,490 S.F.
 87.75 (B.F.) - 6" = 87.25
 AVERAGE EXISTING GRADE ABOVE BASEMENT = 89.00
 89.00 - 87.25 = 1.75' AVG. CUT
 2,490 S.F. x 1.75' = 4,357 C.F. / 27 = 161 C.Y. (CUT)

BASEMENT EXCAVATION @ EXISTING BASEMENT AREA OF NEW BASEMENT AT EXISTING BASEMENT = 565 S.F.
 87.75 (B.F.) - 6" = 87.25
 EXISTING BASEMENT ELEVATION = 89.20 - 6" = 88.70
 88.70 - 87.25 = 1.45' AVG. CUT
 565 S.F. x 1.45' = 819 C.F. / 27 = 30 C.Y. (CUT)

GARAGE SLAB FILL @ EX. BASEMENT AREA OF GARAGE = 348 S.F.
 89.00 (G.P.) - 6" = 92.00
 EXIST. BASEMENT ELEVATION = 89.20 - 6" = 88.70
 92.50 - 88.70 = 3.8' AVG. FILL
 348 S.F. x 3.8' = 1,322 C.F. / 27 = 49 C.Y. (FILL)

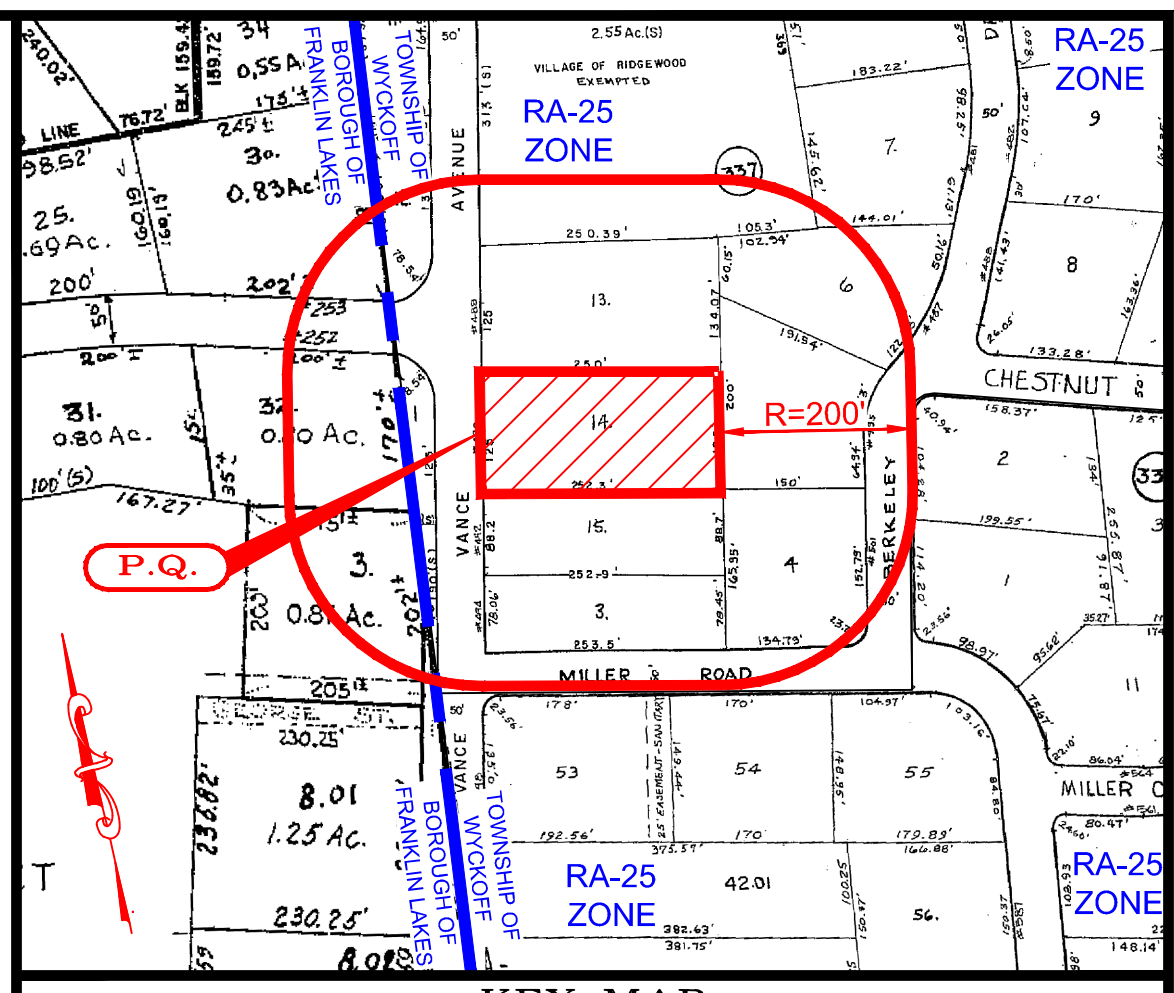
GARAGE SLAB FILL @ NEW BASEMENT AREA OF GARAGE = 439 S.F.
 93.00 (G.P.) - 6" = 92.50
 AVG. GRADE ABOVE GARAGE = 90.00
 92.50 - 90.00 = 2.5' AVG. FILL
 439 S.F. x 2.5' = 1,098 C.F. / 27 = 40 C.Y. (FILL)

SEWAGE PIT EXCAVATION
 13.5' x 27' x 4.5' = 1,093 C.F. / 27 = 40 C.Y. (CUT)

GRADING FILL
 17,000 S.F. x 1.25' = 21,250 C.F. / 27 = 787 C.Y. (FILL)

DRIVEWAY FILL
 4,855 S.F. x 2.25' = 10,900 C.F. / 27 = 405 C.Y. (FILL)

TOTAL CUT = 372 C.Y.
TOTAL FILL = 1,299 C.Y.
TOTAL TO BE IMPORTED = 917 C.Y.
TOTAL SOIL MOVEMENT = 1,661 C.Y.



NOTES:

- PROPERTY KNOWN AS LOT 14, BLOCK 337 AS SHOWN ON THE CURRENT TAX MAP SHEET 28, LAST REV. JANUARY 2000 OF THE TOWNSHIP OF WYCKOFF.
- PROPERTY OWNER/APPLICANT: REDA AWAD
490 VANCE AVENUE
WYCKOFF, N.J. 07481
- AREA OF ENTIRE PROPERTY: 31,440 S.F. OR 0.722 AC.
- PROPERTY LOCATED IN THE RA-25 RURAL RESIDENCE DISTRICT.
- THE VERTICAL ELEVATIONS SHOWN HEREON ARE BASED ON AN ASSUMED DATUM.
- ZONING DATA:

ITEM	REQUIRED	EXISTING	PROPOSED
MIN. LOT AREA	25,000 S.F.	31,440 S.F.	31,440 S.F.
MIN. LOT WIDTH/FRONTAGE	125.0'	125.0'	125.0'
MIN. LOT DEPTH	150.0'	251.5'	251.5'
MIN. FRONT YARD	40.0'	84.2'	86.0'
MIN. SIDE YARD	27.0'	37.4'	31.7'
MIN. REAR YARD	25.0'	38.8'	25.0'
MIN. SIDE YARD LEFT SIDE **	40.0'	141.1'	101.9'
MIN. REAR YARD RIGHT SIDE **	2.5 STY. - 35.0'	2 STY. - 35.0'	2.5 STY. - 35.0'
MAX. BUILDING HEIGHT	0 S.F.	1,800 S.F.	5,886 S.F. (P/ARCH.)
MIN. FLOOR AREA	15.0%	4.2%	12.8%
MAX. LOT COVERAGE	28.5%	9.3%	28.2%
MAX. IMPERVIOUS COVERAGE	15.0%	41.3' / 55.9'	40.8' / 42.7'
MIN. SIDE YARD (RACH)	20.0'	126.1'	80.8'
MIN. REAR YARD	5.0%	1.2%	2.2%
MAX. LOT COVERAGE			

*** BASED ON SIDE FACING GARAGE**
**** BASED ON GROSS BUILDING AREA**

7. LOT COVERAGE CALCULATIONS:
 EXISTING DWELLING = 1,314 S.F. / 31,440 S.F. = 4.2%
 PROPOSED DWELLING = 4,018 S.F. / 31,440 S.F. = 12.8% (INCLUDES COVERED PORCH)

8. IMPERVIOUS COVERAGE CALCULATIONS:

EXISTING	PROPOSED
DWELLING = 1,314 S.F. (INCLUDES COVERED PORCH)	DWELLING = 4,018 S.F. (INCLUDES COVERED PORCH)
DRIVEWAY = 1,438 S.F.	DRIVEWAY = 4,765 S.F.
DECK = 0 S.F. (ALLOWS FOR FREE DRAINAGE)	DECK = 0 S.F. (ALLOWS FOR FREE DRAINAGE)
CONC. WALK = 111 S.F.	CONC. WALK = 111 S.F.
PLATFORM = 50 S.F. (INCLUDES STEPS)	PLATFORM = 50 S.F. (INCLUDES STEPS)
2,913 S.F. / 31,440 S.F. = 9.3%	8,852 S.F. / 31,440 S.F. = 28.2%

9. ACCESSORY BUILDING CALCULATIONS:
 EXISTING DECK = 379 S.F. / 31,440 S.F. = 1.2% (INCLUDES COVERED PORCH)
 PROPOSED DWELLING = 696 S.F. / 31,440 S.F. = 2.2% (INCLUDES COVERED PORCH)

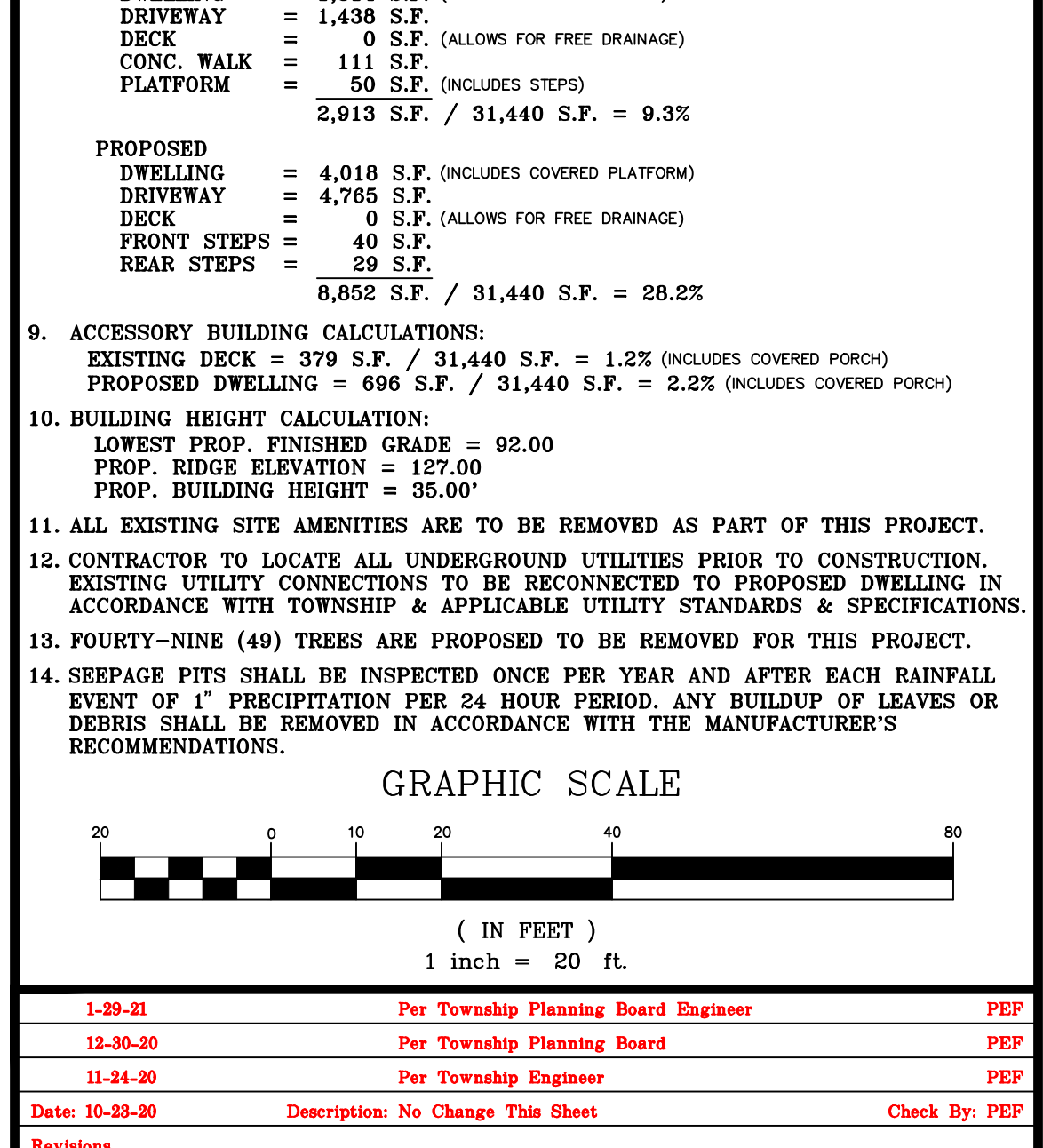
10. BUILDING HEIGHT CALCULATION:
 LOWEST PROP. FINISHED GRADE = 92.00
 PROP. RIDGE ELEVATION = 127.00
 PROP. BUILDING HEIGHT = 35.00'

11. ALL EXISTING SITE AMENITIES ARE TO BE REMOVED AS PART OF THIS PROJECT.

12. CONTRACTOR TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITY CONNECTIONS TO BE RECONNECTED TO PROPOSED DWELLING IN ACCORDANCE WITH TOWNSHIP & APPLICABLE UTILITY STANDARDS & SPECIFICATIONS.

13. FOURTY-NINE (49) TREES ARE PROPOSED TO BE REMOVED FOR THIS PROJECT.

14. SEWAGE PITS SHALL BE INSPECTED ONCE PER YEAR AND AFTER EACH RAINFALL EVENT OF 1" PRECIPITATION PER 24 HOUR PERIOD. ANY BUILDUP OF LEAVES OR DEBRIS SHALL BE REMOVED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



SITE PLAN AND SOIL EROSION & SEDIMENT CONTROL PLAN, NOTES AND DETAILS
 Prepared For
REDA AWAD
 490 VANCE AVENUE
 Block 337 - Lot 14
 Township of Wyckoff
 Bergen County New Jersey

Azzolina & Feury Engineering Inc.
 PROFESSIONAL ENGINEERS AND LAND SURVEYORS
 90 Madison Avenue, Paramus, NY 07652 - (201) 845-8500 - Fax (201) 845-8525
 110 Stage Road, Monroeville, NY 10800 - (845) 782-8681 - Fax (845) 782-4012

N.J. CERTIFICATE OF AUTHORIZATION
 24GA28003600

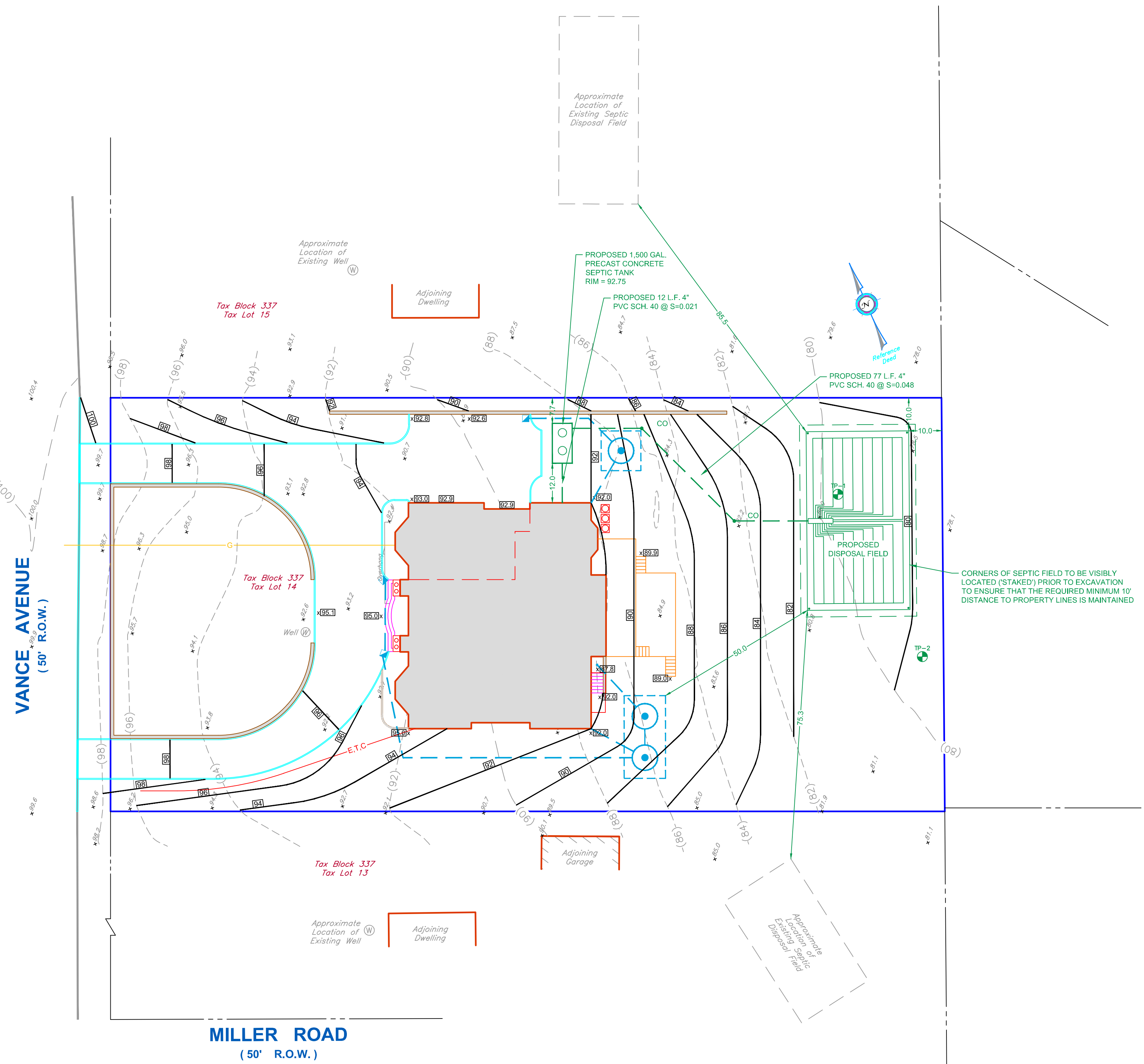
John A. Loch, P.E.S.
 N.J. Lic. No. 36883

Perry E. Frenzel, P.E.
 N.J. Lic. No. 28190

Date: 6-15-20 Drawn By: CDD Checked By: PEP
 Scale: 1" = 20' Dwg. No. 1 of 3 Job No.: 10877

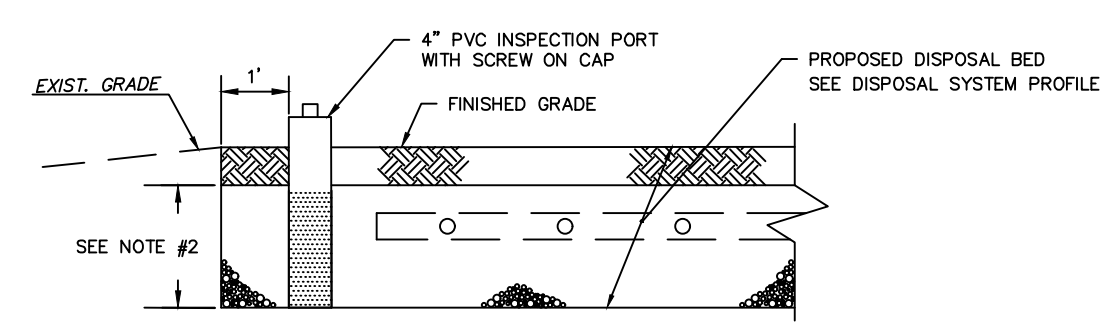
VANCE AVENUE
(50' R.O.W.)

MILLER ROAD
(50' R.O.W.)

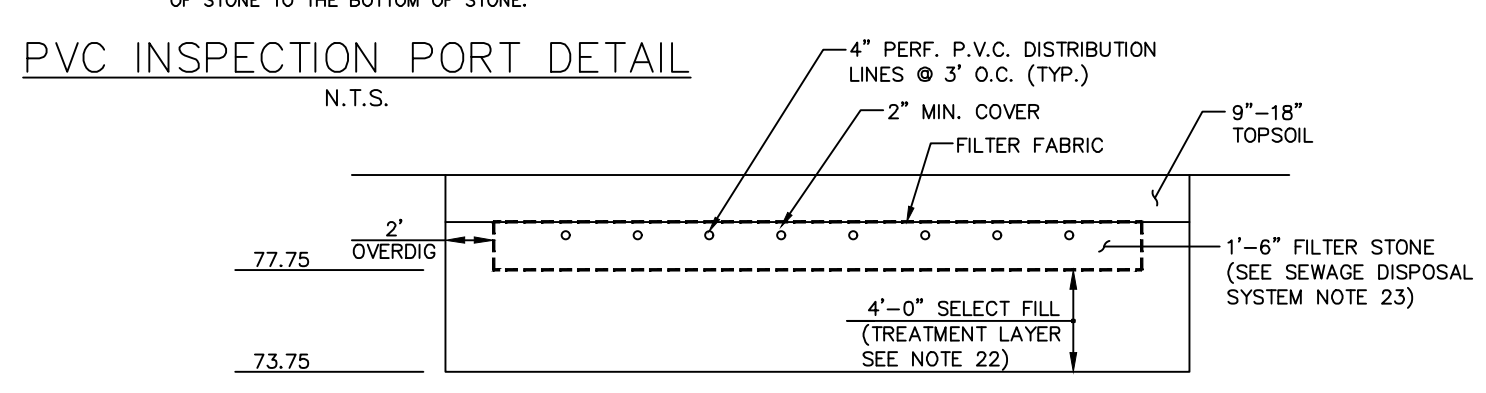


EXISTING	LEGEND	PROPOSED
	STORM INLET	
	STORM MANHOLE	
	STORM DRAIN LINE	
	CLEAN OUT	
	SANITARY MANHOLE	
	SANITARY	
	WATER LINE	
	WATER VALVE	
	HYDRANT	
	GAS LINE	
	OVERHEAD WIRES	
	UTILITY POLE	
	BUILDING	
	CURB	
	DEPRESSED CURB	
	SIGN	
	CONTOUR	
	SPOT ELEVATION	
	TREE REMOVAL	

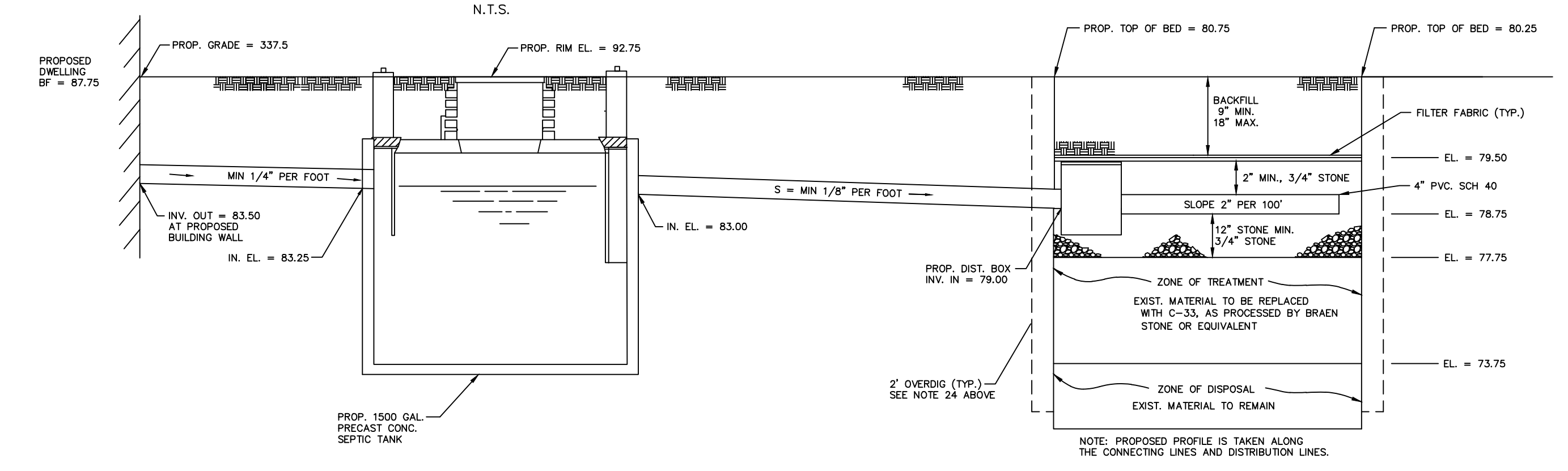
- SEWAGE DISPOSAL SYSTEM NOTES:
1. THERE ARE NO KNOWN EXISTING WELLS WITHIN 100 FEET AND NO EXISTING SEPTIC DISPOSAL BEDS WITHIN 50' OF THE PROPOSED DISPOSAL BED.
 2. A MINIMUM SEPARATION DISTANCE OF 10' MUST BE MAINTAINED BETWEEN THE PROPOSED SEPTIC SYSTEM DISPOSAL BED AND THE PROPOSED WATER SERVICE LINE.
 3. THE PROPOSED INDIVIDUAL SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.
 4. SEPTIC TANKS SHALL HAVE AN 8" THICK (MINIMUM) CONTINUOUS BED OF DENSE GRADED AGGREGATE AS A BASE.
 5. THERE WILL BE NO DEVIATION FROM THE PROPOSED GRADING WITHOUT APPROVAL OF THE ENGINEER.
 6. AT THE ENGINEER'S DISCRETION, THE APPLICANT MAY BE REQUIRED TO FIELD STAKE A PROPERTY LIMIT IN THE INTEREST OF LIMITING THE DISTURBANCE TO THE SUBJECT PROPERTY.
 7. THE GRADING SHOWN HEREON SHALL TIE INTO THE EXISTING TOPOGRAPHIC CONTOURS AS SHOWN WITHOUT AN ADVERSE GRADING OR DRAINAGE IMPACT TO THE ADJOINING LOT. ALL DISTURBANCE AND GRADING IS LIMITED TO WITHIN THE PROPERTY IN QUESTION.
 8. LOCATION OF ALL EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
 9. FINAL GRADING SHALL DIRECT WATER AWAY FROM THE PROPOSED BUILDING AND SEPTIC SYSTEM.
 10. THE CONNECTION OF A GARBAGE DISPOSAL SYSTEM OR FLOOR DRAINS TO THE SEPTIC SYSTEM IS PROHIBITED.
 11. SOIL SURVEY INTERPRETATION: DUNELLEN-URBAN LAND COMPLEX, 3 TO 8 PERCENT SLOPES AND BOONTON-URBAN LAND COMPLEX, 15 TO 25 PERCENT SLOPES
 12. CONTRACTOR MUST CONTACT SURVEYOR TO OBTAIN A BENCH MARK PRIOR TO START OF WORK.
 13. CONTRACTOR MUST CONTACT ENGINEER TO SCHEDULE AN INSPECTION OF THE EXCAVATION FOR THE DISPOSAL BED.
 14. FILL MATERIAL IS TO BE FREE OF BRUSH, RUBBISH, TIMBER, LOGS, VEGETATIVE MATTER AND STUMPS IN AMOUNTS THAT WILL BE DETRIMENTAL TO CONSTRUCTING STABLE FILLS.
 15. FILL SHALL NOT BE PLACED ADJACENT TO THE BANK OF STREAM OR CHANNEL, UNLESS PROVISIONS ARE MADE TO PROTECT THE HYDRAULIC, BIOLOGICAL, AESTHETIC, AND OTHER ENVIRONMENTAL FUNCTIONS OF THE STREAM.
 16. ALL FILLS SHALL BE COMPACTED SUFFICIENTLY FOR THEIR INTENDED PURPOSE AND AS REQUIRED TO REDUCE SLIPPING, EROSION, OR EXCESSIVE SATURATION.
 17. ALL CONSTRUCTION MATERIALS, PRACTICES AND INSTALLATIONS SHALL CONFORM TO SPECIFICATIONS STIPULATED IN N.J.A.C. 7:9A "STANDARDS FOR INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS" ALL APPLICABLE SECTIONS THEREOF BECOME PART OF THIS PLAN.
 18. AN AS-BUILT SURVEY OF THE SEPTIC SYSTEM SHALL BE PERFORMED AND PROVIDED TO THE HEALTH DEPARTMENT PRIOR TO FINAL APPROVAL.
 19. THE DESIGN ENGINEER SHALL INSPECT THE INSTALLATION OF THE SEPTIC SYSTEM AND SHALL, PRIOR TO FINAL APPROVAL, PROVIDE THE HEALTH DEPARTMENT WITH A CERTIFICATE OF COMPLIANCE FOR THE LOCATION, CONSTRUCTION, AND INSTALLATION OF THE SEPTIC SYSTEM.
 20. SEPTIC TANK(S) TO BE FIELD TESTED AND INSTALLED AS PER N.J.A.C. 7:9A-8.2(m).
 21. SYSTEM INFORMATION LABEL TO BE AFFIXED AS PER N.J.A.C. 7:9A-8.2(i).
 22. C-33 FOR TREATMENT LAYER SHALL BE CERTIFIED AS SUCH, OR CONFIRMED BY DELIVERY TICKET FROM SUPPLIER.
 23. FILTER MATERIAL TO BE WASHED STONE, NDOT No. 3, 4, OR 24.
 24. TWO FOOT OVERDIG TO BE PERFORMED AROUND FIELD. SOIL TO BE REMOVED TO A DEPTH OF 84" MINIMUM AND REPLACED WITH C-33, OR ACCEPTABLE GRANULAR FILL (K-4).



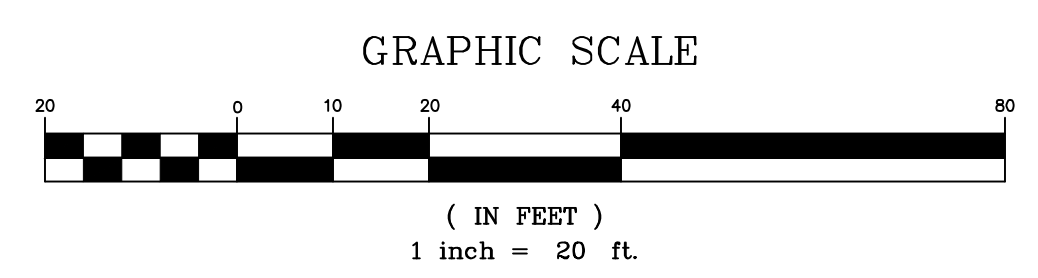
NOTES:
1. PVC INSPECTION PORT SHALL BE SCHEDULE 40 AND SHALL EXTEND FROM FINISHED GRADE TO THE BOTTOM OF STONE.
2. DRILL 1/4" DIA. HOLES AT 2" O.C. FROM THE TOP OF STONE TO THE BOTTOM OF STONE.



SECTION A-A
SANITARY DISPOSAL FIELD
N.T.S.



SANITARY DISPOSAL SYSTEM PROFILE
N.T.S.



SEPTIC SYSTEM CALCULATIONS:

1. VOLUME OF SANITARY SEWAGE (N.J.A.C. 7:9A-7.4):
PROPOSED 5-BEDROOM DWELLING
VOLUME - 1ST BEDROOM = 200 GPD
VOLUME - EACH ADDITIONAL BEDROOM = 150 GPD(4) = 600 GPD
TOTAL VOLUME OF SEWAGE = 800 GPD
2. DISPOSAL BED SIZING (N.J.A.C. 7:9A-10.2):
CONVENTIONAL INSTALLATION
SOIL SUITABILITY CLASS = IWP
SOIL PERMEABILITY = 2-6 IN./HR. *
2.08 SQ. FT./GPD X 800 GPD = 1,664 SQ. FT. REQUIRED
PROPOSED DISPOSAL BED - 31' X 54' = 1,674 SQ. FT. PROVIDED
3. SEPTIC TANK SIZING (N.J.A.C. 7:9A-8.2):
250 GAL./BEDROOM = 250(5) = 1,250 GAL.
PROVIDE (1) 1500 GAL. SEPTIC TANK (DUAL COMPARTMENT)

SOIL LOG

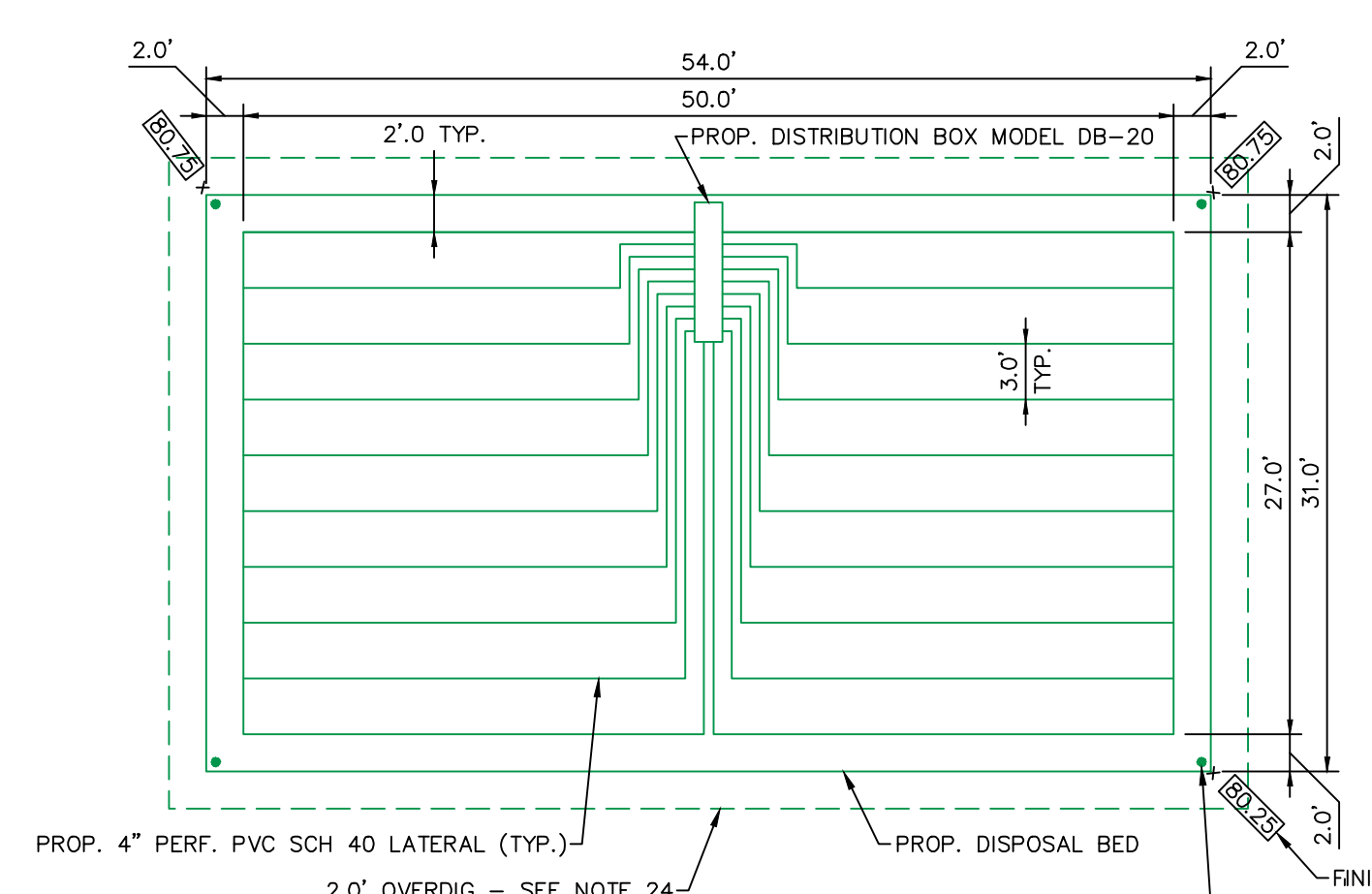
TEST PIT No.1
0' - 12" TOPSOIL - 10YR. 3/2
12' - 3'6" CLAY LOAM - 7.5YR. 4/6
3'6" - 7'0" RED SILT LOAM, MOIST AND FIRM - 5YR. 4/4
7'0" - 13'0" SANDY LOAM DRY AND LOOSE, GREYISH IN COLOR

NO BEDROCK, NO GROUNDWATER

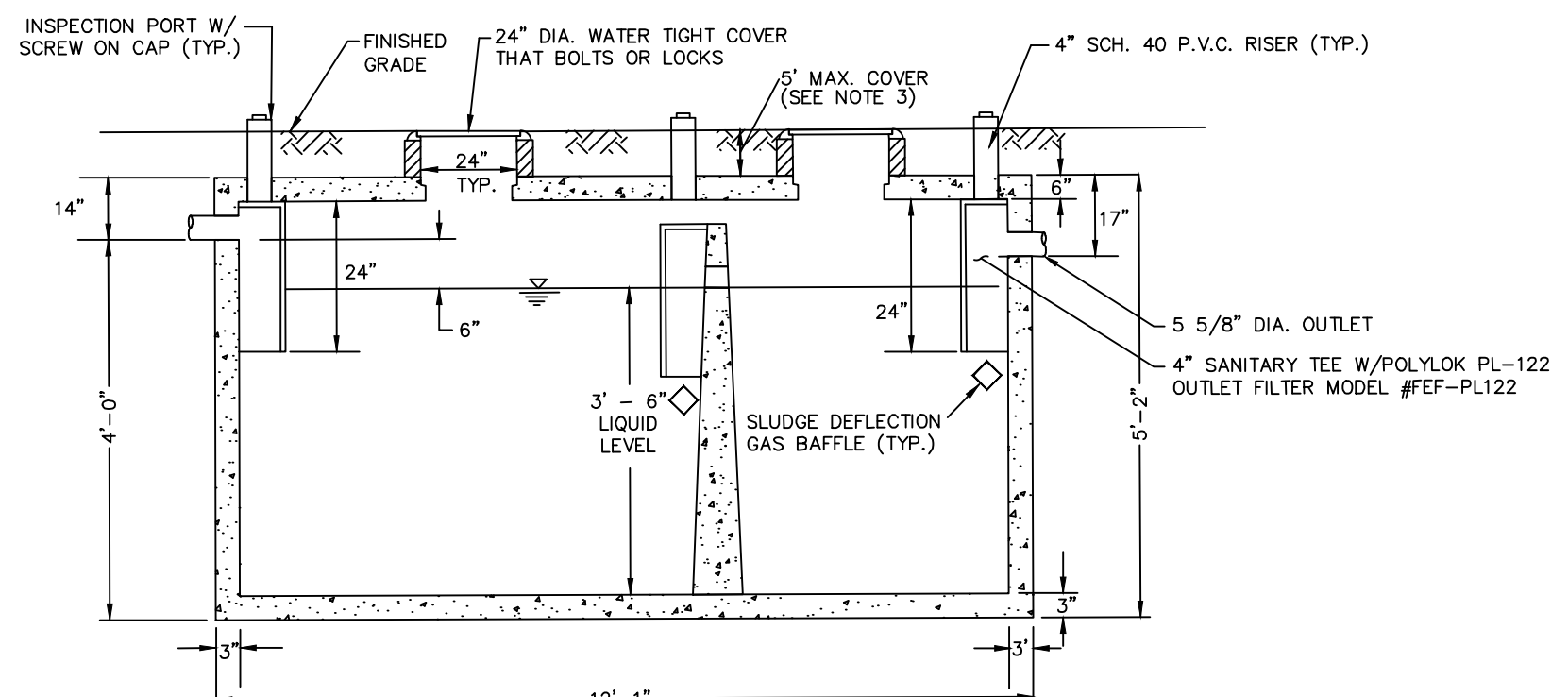
TEST PIT No. 2
0' - 12" TOPSOIL - 10YR. 3/2
12' - 3'6" CLAY LOAM - 7.5YR. 4/6
3'6" - 7'0" RED SILT LOAM, MOIST AND FIRM - 5YR. 4/4
7'0" - 10'0" SANDY LOAM DRY AND LOOSE

SIGNS OF MEDIUM DISTINCT MOTTLING FROM 36" DEPTH TO 44" DEPTH - PERCHED CONDIION

FOR PERCOLATION RATES AND ADDITIONAL SOIL ANALYSIS. SEE SOIL REPORTS AND TEST RESULTS, SUBMITTED WITH SITE PLANS, PERFORMED BY JOHNSON SOILS COMPANY, DATED OCTOBER 21, 2020



SANITARY DISPOSAL BED DETAIL
N.T.S.

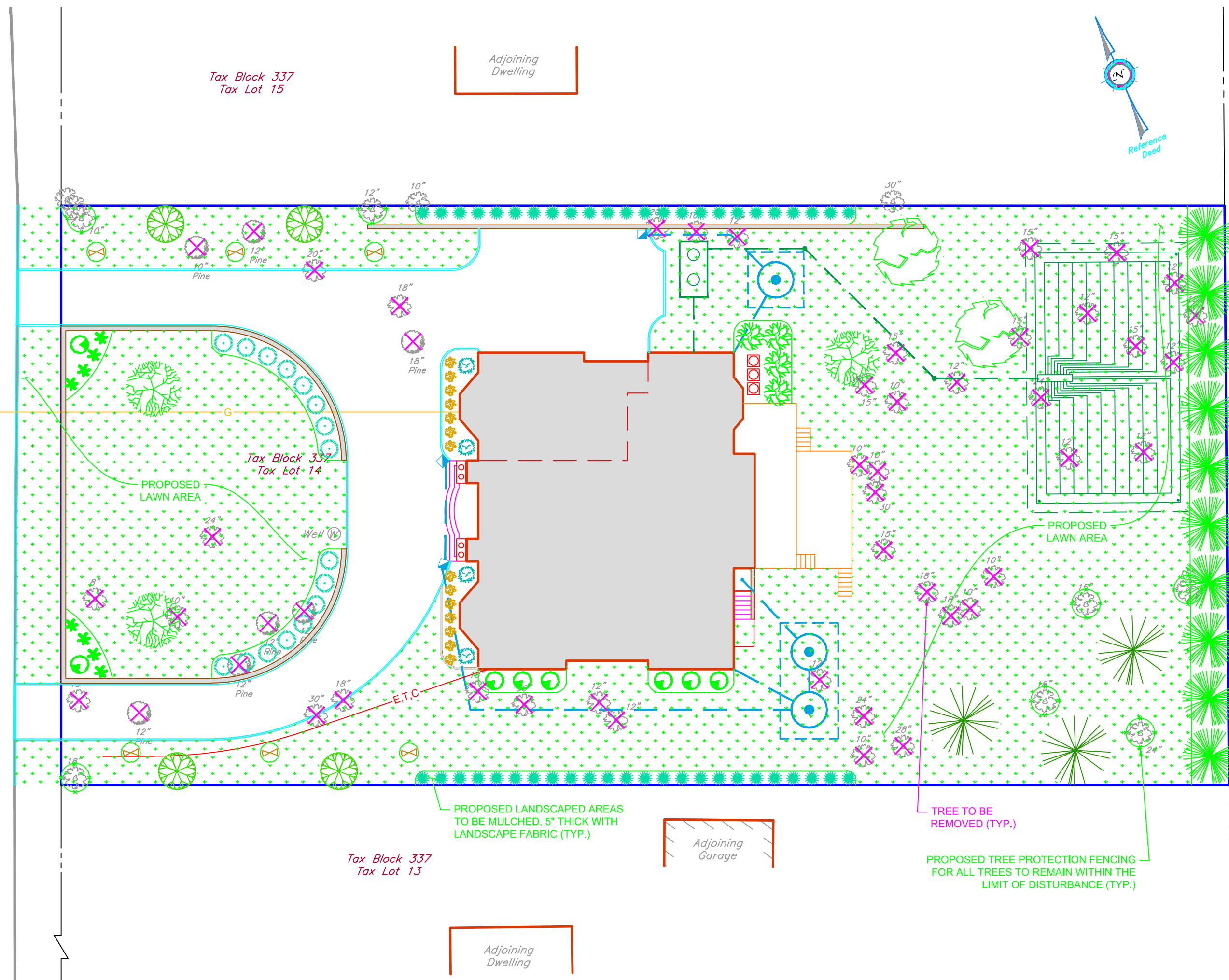


- NOTES:
1. SEPTIC TANK SHALL BE DESIGNED BY OTHERS TO SUPPORT HS 20 LOADING.
 2. AN INSPECTION PORT, WITH A SCREW ON CAP, SHALL BE PROVIDED ABOVE THE INLET AND OUTLET INTO THE SEPTIC TANK.
 3. SEPTIC TANKS SHALL BE DESIGNED TO SUPPORT A MAXIMUM COVER OF 5 FEET.
 4. SEPTIC TANK Baffles SHALL BE POLYETHYLENE.
 5. INTERIOR SURFACE TO BE COATED IN ACCORDANCE TO N.J. STATE SPECS.
 6. SEPTIC TANK SHALL BE SETBACK A MINIMUM OF 5.0' FROM PROPERTY LINES.

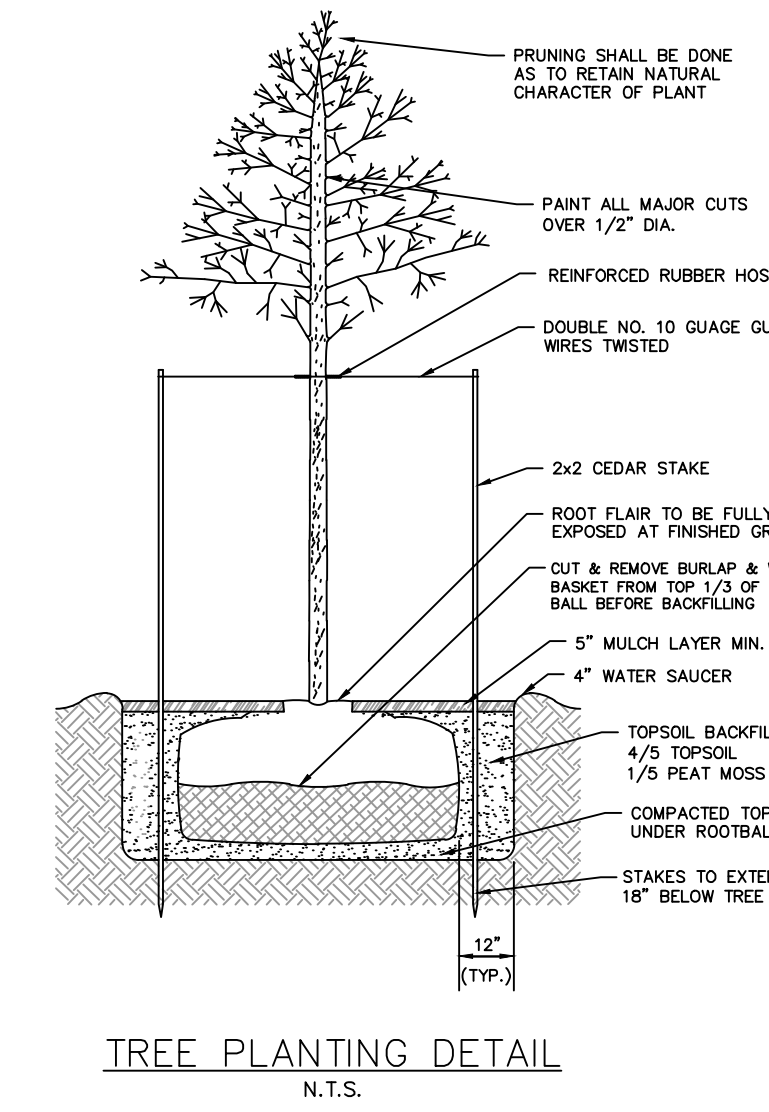
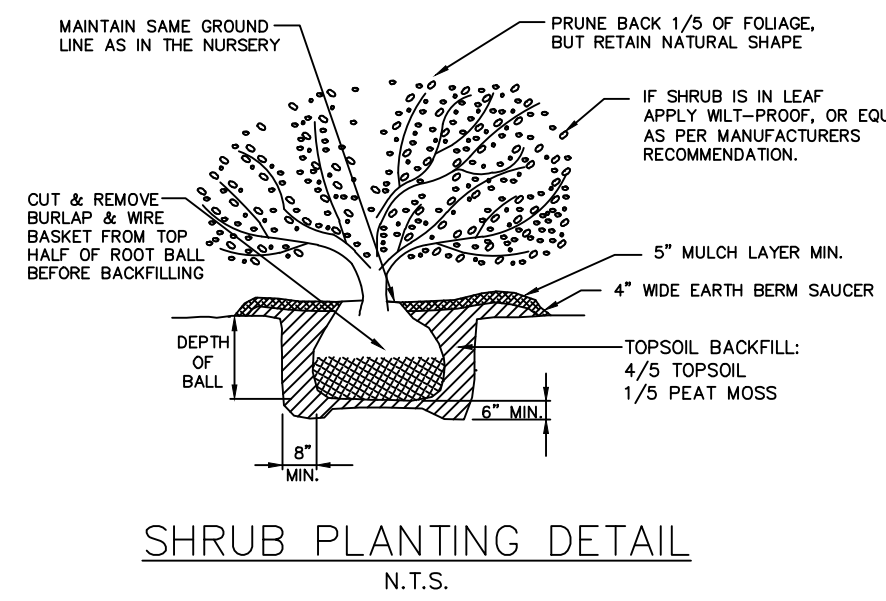
1,500 GALLON PRECAST CONCRETE SEPTIC TANK
N.T.S.

1-29-21	Per Township Planning Board Engineer	PEP
12-30-20	Per Township Planning Board	PEP
11-24-20	Per Township Engineer	PEP
Date: 10-23-20	Description: Added Septic Soil Logs and Notes	Check By: PEP
Revisions		
SEWAGE DISPOSAL SYSTEM PLAN & DETAILS		
Prepared For		
REDA AWAD		
490 VANCE AVENUE Block 337 - Lot 14 Township of Wyckoff Bergen County New Jersey		
Azzolina & Feury Engineering Inc. PROFESSIONAL ENGINEERS AND LAND SURVEYORS		
90 Madison Avenue, Paramus, NJ 07652 - (201) 845-8500 - Fax (201) 845-2625 110 Stage Road, Morriston, NJ 10890 - (845) 782-8681 - Fax (845) 782-4212		
N.J. CERTIFICATE OF AUTHORIZATION 24GA28003600		
 John A. Loch, P.L.S. N.J. Lic. No. 36888		 Perry E. Frenzel, P.E. N.J. Lic. No. 28190
Date: 6-15-20	Drawn By: CDD	Checked By: PEP
Scale: 1" = 20'	Dwg. No. 2 of 3	Job No.: 10877

VANCE AVENUE
(50' R.O.W.)



EXISTING	LEGEND	PROPOSED
	STORM INLET	
	STORM MANHOLE	
	STORM DRAIN LINE	
	CLEAN OUT	
	SANITARY MANHOLE	
	SANITARY	
	WATER LINE	
	WATER VALVE	
	HYDRANT	
	GAS LINE	
	OVERHEAD WIRES	
	UTILITY POLE	
	BUILDING	
	CURB	
	DEPRESSED CURB	
	SIGN	
	CONTOUR	
	SPOT ELEVATION	
	TREE REMOVAL	

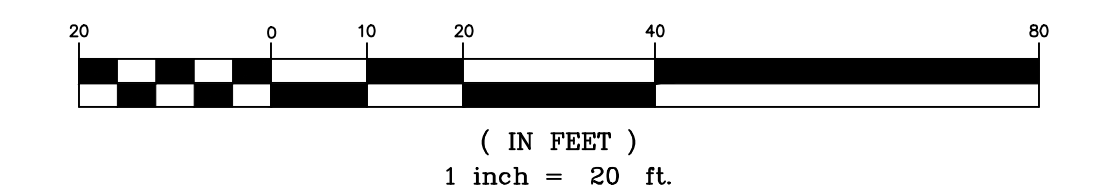


- LANDSCAPE NOTES:**
- ALL EXISTING VEGETATION TO REMAIN TO BE ADEQUATELY PROTECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION WITH SNOWFENCING INSTALLED AT THE DRIP LINE.
 - ALL EXISTING VEGETATION TO REMAIN TO BE LIMBED UP/PRUNED BACK AS NEEDED TO REMOVE ANY DEAD, DAMAGED, DISEASED, DYING, OR HAZARDOUS LIMBS.
 - EVERY EFFORT TO BE MADE BY THE CONTRACTOR TO PREVENT/MINIMIZE COMPACTION OF SOIL IMMEDIATELY OVER THE TREE'S ROOT SYSTEM WITHIN THE DRIP LINE.
 - IF ROOT DAMAGE OCCURS TO AN EXISTING PLANT THAT IS TO REMAIN, THE CROWN OF THE TREE IS TO BE REDUCED THRU SELECTIVE PRUNING DONE IN A MANNER TO MAINTAIN THE NATURAL CHARACTER OF THE PLANT PROPORTIONAL TO THE AMOUNT/DEGREE/PERCENTAGE OF ROOT LOSS.
 - ALL STUMPS AND OTHER TREE PARTS, LITTER, WEEDS, EXCESS OR SCRAP BUILDING MATERIALS, OR OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION REGULATIONS. NO TREE STUMPS, PORTIONS OF TREE TRUNKS OR LIMBS SHALL BE BURIED ANYWHERE IN THE DEVELOPMENT. ALL DEAD OR DYING TREES, STANDING OR FALLEN, SHALL BE REMOVED FROM THE SITE.
 - PRIOR TO ANY EXCAVATION FOR THE INSTALLATION OF PLANT MATERIAL, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ANY AND ALL UNDERGROUND UTILITIES.
 - THE CONTRACTOR SHALL INSPECT ALL PLANTING AREAS BEFORE ANY TOPSOILING OR PLANTING IS BEGUN TO INSURE ADEQUATE DRAINAGE EXISTS. IF ANY AREAS TO BE LANDSCAPED SHOW EVIDENCE OF POOR DRAINAGE, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY FOR CORRECTIVE ACTION. ANY PLANT MATERIAL THAT DIES DUE TO POOR OR INADEQUATE DRAINAGE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
 - CONSTRUCTION DURING THE COURSE OF CONSTRUCTION SHALL BE REDISTRIBUTED SO AS TO PROVIDE AT LEAST FIVE (5) INCHES OF COVER TO ALL AREAS OF THE DEVELOPMENT AND SHALL BE STABILIZED BY SEEDING, SODDING, OR PLANTING.
 - ANY LANDSCAPED PARKING AREA ISLANDS AND PARKING/AISLE END PLANTERS TO CONTAIN A TOPSOIL BERM AS DELINEATED ON THE DETAIL.
 - TOPSOIL SHALL BE A NATURAL, FRIABLE TOPSOIL, REPRESENTATIVE OF PRODUCTIVE SOILS IN THE VICINITY. IT SHALL BE OBTAINED FROM WELL-DRAINED AREAS, FREE OF SUBSOIL, FOREIGN MATTER, TOXIC SUBSTANCES AND ANY HARMFUL MATERIAL. TOPSOIL OBTAINED FROM STRIPPING WITHIN LIMITS OF THE PROJECT, OR FURNISHED FROM OUTSIDE THE PROJECT SHALL CONTAIN NO STONES, LUMPS, ROOTS, OR SIMILAR OBJECTS LARGER THAN 1 INCH IN ANY DIMENSION, AND SHALL HAVE A PH VALUE OF NOT LESS THAN 5.8. WHEN THE PH VALUE OF THE TOPSOIL IS LESS THAN 5.8, IT SHALL BE INCREASED BY APPLYING GROUND LIME AT A RATE NECESSARY TO ATTAIN A PH VALUE OF 6.5. THE GRADATION OF THE TOPSOIL SHALL BE WITHIN THE FOLLOWING RANGES: SAND (1.00 MM TO 0.25 MM) 70% TO 80%; SILT AND CLAY (LESS THAN 0.25 MM) 20% TO 30%. THE TOPSOIL SHALL BE OBTAINED FROM WELL-DRAINED AREAS, FREE OF SUBSOIL, FOREIGN MATTER, TOXIC SUBSTANCES AND HARMFUL MATERIAL.
 - BACKFILL MATERIAL FOR BACKFILLING AROUND TREE/SHRUB BALLS SHALL BE A MIXTURE BY VOLUME OF THE FOLLOWING MATERIALS IN QUANTITIES SPECIFIED: 1/5 PEAT MOSS, 4/5 TOPSOIL, ADD 15 LBS. OF 20-10-5 FERTILIZER PER CUBIC YARD OF BACKFILL. BACKFILL MATERIAL BY ANALYSIS SHALL HAVE AT LEAST 15% ORGANIC MATTER.
 - ALL PLANT MATERIAL THAT IS TO BE INSTALLED TO BE IN FULL COMPLIANCE WITH THE SPECIFICATIONS CITED IN THE "PLANT LIST". ANY DEVIATION/SUBSTITUTION FROM THE PLANT LIST TO BE REVIEWED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT PRIOR TO THE PURCHASE OF THE MATERIAL.
 - ALL LANDSCAPE MATERIALS TO BE OF NURSERY STOCK AND FREE OF INSECTS AND DISEASE.
 - ALL TREES, SHRUBS, AND GROUND COVERS TO COMPLY WITH THE REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK" AND AS FURTHER SPECIFIED.
 - ALL TREES TO BE STRAIGHT TRUNKED AND HAVE LEADER(S) INTACT.
 - ANY SHADE AND FLOWERING TREES IMMEDIATELY ADJACENT TO DRIVES AND PARKING AREAS SHALL BE LIMBED UP TO A HEIGHT OF SIX (6) FEET FROM THE TOP OF THE ROOT BALL.
 - ANY SHADE AND FLOWERING TREES PROPOSED WITHIN FIVE (5) FEET OF THE FRONT END OF PARKING STALLS TO HAVE THEIR LOCATION COORDINATED WITH THE PAVEMENT STRIPING.
 - ANY LANDSCAPE BEDS, PLANTED AREAS, AND TREE SAUCERS TO CONTAIN 5" SHREDDED BARK MULCH AND LANDSCAPE FABRIC.
 - PLANTING BEDS RECEIVING MULCH SHALL BE TREATED WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE.
 - ANY LAWN AREAS TO BE SODDED, UNLESS INDICATED AS "SEEDED" (FOR SEEDED AREAS, FOLLOW THE "PERMANENT STABILIZATION SPECIFICATION).
 - PRIOR TO SEEDING, ALL VEGETATION WHICH MIGHT INTERFERE SHALL BE MOWED, GRUBBED, RAKED AND THE DEBRIS REMOVED FROM THE SITE. SEED BEDS SHALL BE THOROUGHLY TILLED TO A DEPTH OF AT LEAST SIX (6) INCHES.
 - PLANT ROOT BALLS AND CONTAINERS TO BE KEPT MOIST AND PROTECTED FROM DAMAGE PRIOR TO INSTALLATION.
 - AN ADEQUATE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED FOR ALL LANDSCAPED/LAWN AREAS.
 - LANDSCAPE TO BE MAINTAINED TO MEET OR EXCEED CURRENT MUNICIPAL MAINTENANCE CODES AND ORDINANCES.

LANDSCAPE SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	MATURE WIDTH	MATURE HEIGHT	PLANTING SIZE	SPACE	CONTAINER
	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LITTLELEAF LINDEN	2	30'-40'	40'-50'	10'-12' 2"-2 1/2" CAL.	AS SHOWN	B&B
	QUERCUS NUTTALLII	NUTTALL OAK	3	30'-40'	50'-60'	10'-12' 2"-2 1/2" CAL.	AS SHOWN	B&B
	ACER X FREEMANII 'ARMSTRONG'	ARMSTRONG MAPLE	3	12'-15'	40'-60'	10'-12' 2"-2 1/2" CAL.	AS SHOWN	B&B
	PICEA ABIES 'ACROCONA'	RED CONE NORWAY SPRUCE	10	12'-15'	12'-15'	6'-7'	12' O.C.	B&B
	ILEX 'NELLIE R. STEVENS'	NELLIE R. STEVENS HOLLY	4	8'-10'	20'-25'	4'-5'	AS SHOWN	B&B
	MYRICA PENNSYLVANICA	NORTHERN BAYBERRY	4	6'-8'	8'-10'	3'-4'	6' O.C.	B&B
	PRUNUS SERRULATA 'AMANOGAWA'	AMANOGAWA CHERRY BLOSSOM	6	4'-6'	20'-25'	6'-8' 1 1/2"-2" CAL.	AS SHOWN	B&B
	PICEA GLAUCA CONICA	DWARF ALBERTA SPRUCE	4	4'-5'	6'-8'	3'-4'	AS SHOWN	#3 CAN
	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE HYDRANGEA	8	4'-6'	3'-5'	2'-3'	AS SHOWN	#2 CAN
	BUXUS MICROPHYLLA JAPONICA 'WINTERGREEN'	WINTERGREEN BOXWOOD	16	4'-5'	4'-5'	2'	5' O.C.	#3 CAN
	CHAMAECYPARIS OBTUSA 'NANA LUTEA'	DWARF GOLDEN HINOKI FALSECYPRESS	8	3'-4'	3'-4'	1 1/2'-2'	4' O.C.	#2 CAN
	THUJA PLICATA 'CAN CAN'	CAN CAN WESTERN RED CEDAR	48	3'-5'	8'-10'	5'-6'	4' O.C.	B&B
	BUXUS X 'GREEN MOUNTAIN'	GREEN MOUNTAIN BOXWOOD	14	2'-3'	4'-5'	1'-2'	3' O.C.	#2 CAN

GRAPHIC SCALE



1-29-21	Per Township Planning Board Engineer	PEP
12-30-20	Per Township Planning Board	PEP
Date: 11-24-20	Description: Sheet Added Per Township Engineer	Check By: PEP
Revisions		

LANDSCAPE PLAN

Prepared For

REDA AWAD

490 VANCE AVENUE

Block 337 - Lot 14

Township of Wyckoff

Bergen County New Jersey



N.J. CERTIFICATE OF AUTHORIZATION
24GA28003600

John A. Loch, P.L.S. N.J. Lic. No. 36883	Perry E. Frenzel, P.E. N.J. Lic. No. 28190

Date: 6-15-20 Drawn By: CDD Checked By: PEP

Scale: 1" = 20' Dwg. No. 3 of 3 Job No.: 10877