

Department of Public Works & Engineering
THE TOWNSHIP OF MIDDLETOWN

52 Kanes Lane
Middletown, New Jersey 07748
Phone: (732) 615-2133 – Fax: (732) 671-0039 – Email: Engineering@middletownnj.org

JOSEPH E. MALONEY, PE, PP, CME, CPWM
*Director of Public Works
Township Engineer*



Settled in 1664
"Pride in Middletown"

VICTOR J. WYMBS, LLA, ASLA, CPWM
Deputy Director of Public Works

LORY A. HUBBARD, PE, CME, CPWM
Deputy Director of Public Works

REVISED: May 20, 2021

GRADING PLAN REVIEW APPLICATION

DATE: _____

NOTE: Please allow a minimum of 3-4 weeks for review and processing of application.

APPLICANT NAME: _____

MAILING ADDRESS: _____ ZIP CODE: _____

PHONE NO.: _____ FAX NO.: _____

EMAIL ADDRESS: _____

PROJECT SITE DETAILS:

BLOCK: _____ LOT(S): _____

PROPERTY ADDRESS: _____
(include zip code)

PROPOSED DESCRIPTION OF DEVELOPMENT / IMPROVEMENTS:

(Example: New dwelling, swimming pool, retaining walls, etc.)

THE FOLLOWING MUST BE SUBMITTED WITH THE APPLICATION:

- _____ Emailed Copy of Grading Plan Review Application
- _____ Emailed PDF of Grading Plan w/Topography & Applicable Details. Submittal Shall Include Signed & Sealed Letter From the Professional Engineer Listing the Plans and Dates of the Respective Sheets with Statement that the Submitted Plan is the Official Set for the Referenced Project.
- _____ Emailed PDF of Pool Plan and/or Architectural Plans (Foundation, Elevations & Floor Plans)
- _____ \$425.00 Engineering Review Fee, Resubmittal Fee of \$175.00 Will Be Required.
*(NOTE: COMMERCIAL GRADING PLAN REVIEW FEES WILL BE BASED ON SUBDIVISION & SITE PLAN FEE SCHEDULE)
(Checks made payable to the "Township of Middletown") Checks must include Lot & Block and address of the project location*
- _____ Emailed Supporting Documentation & Other Agency Approvals, i.e. Drainage Calculations, Reports, Planning & Zoning Board Resolutions, Related Letter & Plans, NJDEP Permits, Monmouth County Planning Board, Freehold Soil Conservation District.
- _____ Emailed PDF of Topographic As-built Survey at Completion of Project w/\$200.00 As-built Review Fee
- _____ Emailed Drywell Certification Form and Color Photos of Entire Infiltration System at Time of As-Built Review

PLEASE ANSWER THE FOLLOWING:

Yes ___ or No ___ Was the subject lot/property created by Subdivision Approval within the last 20 years?

If yes, provide copies of the Board Resolution and set of approved mappings.

Yes ___ or No ___ Has the proposed work required approval from the Planning Board or Board of Adjustment for a variance, site plan, subdivision?

If yes, provide copies of the Board Resolution and set of approved mappings

Yes ___ or No ___ Does the property contain any easements, right-of-way or other restrictions?

If yes, provide applicable information on the mappings.

Yes ___ or No ___ Is the property located in the 100-year floodplain?

If yes, a Floodplain Encroachment Permit is required thru the Zoning Department. Additionally a NJDEP Flood Hazard Permit may be required.

Yes ___ or No ___ Is the property situated within 50' of any ponds, streams, brooks, marshes, river, lakes, bogs, ditches, creeks, swamps, etc. or other low lying areas?

If you answered yes, you must contact the NJDEP to obtain clearance/approval. If you are unsure you should contact the NJDEP to clarify applicability. Violations of wetlands and other environmentally sensitive areas could result in fines imposed by the State of NJ and the Township. The phone number for the NJDEP is (609) 777-0454.

Yes ___ or No ___ Is the property located within 300 ft. of the mean high water line or any area regulated by the NJ Department of Environmental Protection?

If you answered yes, you must contact the NJDEP to obtain clearance/approval. If you are unsure you should contact the NJDEP to clarify applicability. Violations in environmentally sensitive areas could result in fines imposed by the State of NJ and the Township. The phone number for the NJDEP is (609) 777-0454.

Yes ___ or No ___ Is the property located within a Special Flood Hazard Zone?

Prior to issuance of any building permits, the applicant must comply with N.J.A.C. Title Chapter 13, Flood Hazard Area (FHA) Control Rules, where applicable. The applicant may obtain an Applicability Determination from the NJDEP if it is not clear what FHA permit is required, if any. If the project is subject to a General or Individual Permit from the New Jersey Department of Environmental Protection or the applicant obtains an Applicability Determination or issues a permit-By-Rule Notice, the applicant must provide the Township with copies of the documents with the grading plan application. If the applicant believes the project is subject to a Permit-By-Rule, the applicant must provide a letter documenting the basis for that relief.

NOTES TO APPLICANT:

ALLOW MINIMUM THREE TO FOUR WEEKS FOR REVIEW AND PROCESSING OF APPLICATION ONCE COMPLETE.

AN APPLICATION THAT IS NOT COMPLETE WILL NOT BE ACCEPTED AND MAY RESULT IN A PERMIT DENIAL.

IT IS YOUR RESPONSIBILITY TO COMPLY WITH ANY CONDITIONS OF THE REVIEW LETTER.

IF A REVISION TO THE PLAN IS REQUIRED AND / OR APPLICATION IS DENIED, AN ADDITIONAL \$175.00 FEE MUST BE SUBMITTED WITH THE REVISED PLAN. REVISED PLANS MUST HAVE REVISION DATE ACCORDINGLY.

MIDDLETOWN TOWNSHIP GRADING PLAN PREPARATION CHECKLIST

***** THIS CHECKLIST MUST BE COMPLETED AND ATTACHED TO THE GRADING PLAN *****

FAILURE TO PROVIDE THE BELOW LISTED ITEMS WITH PROJECT SUBMITTAL MAY RESULT IN DENIAL

- _____ Existing boundary, location and topographic survey information is prepared by a NJ Licensed Land Surveyor and duly referenced on the grading plan. Copies submitted shall be signed & sealed accordingly.

- _____ Grading plan is entitled "Grading Plan" and prepared, signed & sealed by a NJ Licensed Professional Engineer.

- _____ Sufficient existing and proposed spot elevations and contours are provided for the subject property as well as adjacent properties (minimum 25 ft. overlap) to identify existing drainage patterns. Spot elevations are provided on the property, at building corners, along property lines, at property corners, 25 ft. overlap onto adjacent properties, curb, gutters, top and bottom wall, etc. Failure to provide overlapping topographic data including spot elevations may result in the denial of the application. Contours at 1 (one) foot intervals are provided and vertical datum indicated on plan.

- _____ Indicated existing and proposed utility connections, including water, gas, sewer & electric.

- _____ A minimum of 2% pitch away from all building foundations is provided. Swales are labeled and include spot elevations and highpoints. Proposed site grading will not negatively affect adjacent properties.

- _____ Finished floor elevation, garage floor elevation (at overhead doors & at rear of garage), crawlspace floor elevation, and basement floor elevation are provided where applicable.

- _____ Limit of disturbance, silt fence location, and a silt fence detail provided on the plan, including seeding & stabilization notes. Notes provided regarding seeding and stabilization. Limit of disturbance line includes utility trenching in roadway. Note provided that "silt fencing to be placed around the area of disturbance and left in place until the property is permanently stabilized."

- _____ A copy of the Freehold Soil Conservation District approval, (for projects disturbing 5,000 sq. ft. or more) or exemption letter is provided.

- _____ Architectural plans, including cabanas and storage buildings are provided (at a minimum, the foundation and first floor plans need to be provided, along with elevation views). Dimensions of buildings must be shown on the Grading Plan.

- _____ Zoning chart providing bulk zoning requirements provided on the plan indicating required, existing and proposed information, including lot area and existing & proposed impervious coverage in square feet. Each impervious coverage item must be listed separately in square feet. ***Impervious cover includes all walks, driveways, buildings, patios, walls, pads, decks and stone areas for grading plans and drywell sizing.***

- _____ Provide construction details for sidewalk, curb, drives, driveway apron, retaining walls & drywells, etc.

- _____ Details for Retaining Walls shall be provided for proposed walls. Walls greater than 3 feet in height shall include structural / stability calculations prepared, signed and sealed by a NJ Licensed Professional Engineer.

- _____ A drywell must be provided for all projects to mitigate increases in ***impervious cover***. Roof leaders must be piped to proposed drywell or runoff collected via yard grates and piping per applicable design. Locations of drywells, downspouts, pipe sizes, pipe slopes and inverts, and grates must be provided. A drywell detail must be provided along with supporting drainage calculations and a permeability test to confirm proper sizing. Drywell must be sufficiently sized to store 1.25 inches times the net-increased impervious area. Clean stone has an acceptable void ratio of 0.30. Locations of yard grates must also be shown on the plan, where applicable.

- _____ For construction of in-ground swimming pools the grading plan must include:
 - _____ Location of Pool filters and equipment, and screened from view. Location of Pool backwash discharge.
 - _____ Spot elevations along edges of pool (corners) and patio.
 - _____ Delineation of pool fence enclosure, including type, height, and provide safety latch.
 - _____ Drywell provided to mitigate net-increase in impervious coverage.

PREPARER'S CERTIFICATION OF SUBMITTALS:

I hereby certify that *(circle one)* 1) I am the owner of the property;

or

2) I have permission from the property owner to submit the application for Grading Plan review.

Furthermore, I certify to the best of my knowledge all information contained within this application is correct; and the survey/grading plan provided is accurate and shows all existing and proposed improvements drawn to scale and with setbacks indicated; In addition, I grant permission to the Township of Middletown and their agents to come onto the subject property for the purposes of conducting inspections related to this application.

[Printed Name & Title]

[Signature and Date]

ADDITIONAL NOTE TO APPLICANT / OWNER:

The Following Mapping is Required for all Grading Plan & Swimming Pool Projects:

- Emailed PDF As-Built Topographic Survey is required to be submitted at **completion** of site-work and prior to receiving a Certificate of Occupancy.
- The As-built Topographic Survey must depict, at a minimum, the following information:

As-built contours provided at a one-foot contour interval with vertical datum indicated. **Topographic As-built survey is required to be prepared and submitted to the Township Engineer for review and approval prior to receiving a Certificate of Occupancy.** If necessary the applicant will be required to correct any deficiencies at the discretion of the Township Engineer. As-Built Survey must be in conformance with requirements as listed on Request for Grading Plan Review Application & Checklist. As-built survey must include contours and spot elevations on the property, along property lines, top and bottom curb elevations, with 25 ft. overlap onto adjacent properties and sufficient spot elevations to determine slope of driveway, apron, sidewalks, swales, and pitch away from building foundations. Recharge system and related yard drains and piping must be shown on the As-built survey. Additionally, extensive spot elevations must be shown to confirm runoff patterns, elevations and that no runoff flows toward adjacent lots. Spot elevations must be provided at building corners, swales, swale highpoint, driveway, downspouts, driveway apron, and along curb. Finished floor, garage floor, crawlspace, basement floor elevations and building height must be shown on the As-built Plan. Location of all downspouts and yard drain piping to drywells must be shown on the plan. Any septic tank, subsurface disposal field and wells must be shown. Failure to provide sufficient spot elevations may result in denial. Additionally, footprint of disturbance must be shown. Allow **minimum** ten (10) days for review and processing of As-built mappings and supporting documents. The Survey must be prepared, signed and sealed by a NJ Licensed Land Surveyor.