

BOROUGH OF WALDWICK

MAJOR SOIL MOVING PERMIT

APPLICATION FORM

Ordinance No. 16-97

Ordinance No. 19-00

Completed by Board:

Application No. SM25.2

Date Received by Board 7-16-25

Hearing Date: 8-6-25

Completed by Applicant:

As a result of your desire to move in excess of 100 cu. yds. of soil, please provide the following information:

Name of Applicant: CHIRAG BALIWALA

Address of Applicant: 198 Scherer Avenue Telephone: 551-265-0146
Northvale NJ 07647

E-Mail: CBALIWALA@GMAIL.COM

Applicant's Attorney's Name: _____ Telephone: _____

Address of Premises 10 BIRCH LANE, WALDWICK NJ 07463

Name of Owner of Premises: CHIRAG BALIWALA

Block 163.16 Lot 18.04 Zone R-1

1. Purpose or Reason for moving Soil:

CONSTRUCTION OF A NEW 2-1/2 STORY DWELLING

2. If done in connection with a proposed subdivision, indicate date of filing subdivision:

3. Provide a detailed statement of the method or process to be employed for the excavation:

SITE TO BE GRADED IN ACCORDANCE WITH THE PLOT PLAN. EXCAVATION WILL BE FOR THE CONSTRUCTION OF THE HOME AND DRAINAGE.

4. Proposed time period for removal:

TO BE COMPLETED WINTER OF 2025.

5. Indicate the kind and quantity in cubic yards of soil to be moved:
- Quantity moved on site from one place to another:
736 CY
 - Quantity removed off site:
0
 - Quantity being imported off site (brought to this site):
627 CY SOIL / 109 CY STONE
6. Where is the on site soil which is being moved or removed coming from?
(e.g., stripped topsoil, basement excavation, inground pool, etc.)
STRIPPED TOPSOIL AND BASEMENT EXCAVATION
7. Indicate where the cubic yards are to be added:
SOIL IS TO BE ADDED AROUND FOUNDATION TO GRADE
THE YARD AWAY FROM DWELLING.
8. What route will the removal take place? Specify thoroughfares, route numbers and direction:
NO SOIL TO BE REMOVED FROM SITE.
9. What route will the imported material take? Specify route numbers and directions:
TO BE DETERMINED
10. How will the remaining trees, terrain be affected? Specify the diameter of the remaining trees. REMAINING TREES WILL BE PROTECTED
WITH TREE PROTECTION PER PLAN.
11. Indicate the proposed date of completion of work:
WINTER 2025
12. Indicate the source of the soil to be used as fill:
TO BE DETERMINED

At the discretion of the Borough Engineer, the Applicant can be required to have fill tested to assure that it does not contain hazardous waste substances as regulated by the State of New Jersey.

Authorization by Owner if not Applicant:

13. The Applicant is hereby authorized to file this application with the Waldwick Planning/Zoning Board.

Owner: _____ Date: _____

14. Certification by Applicant:

The undersigned applicant does hereby certify that all of the statements contained in this application are true, and that all taxes on the property which is the subject of this application have been paid.

Applicant: Chirag Baliwala Date: 7/9/25

June 2021
Added e-mail address

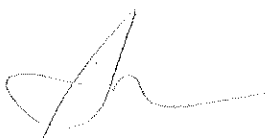
Form D

**BOROUGH OF WALDWICK
SOIL MOVEMENT PERMIT**

CERTIFICATION:

I Chirag Baluvala have placed or caused to be placed stakes at each corner of the lot or lots from which soil is to be removed and have placed or caused to be placed grade stakes at the existing elevation points designated on the topographical map pursuant to the provisions of Chapter 80 of the Waldwick Ordinance, clearly marked to indicate the soil or fill.

I further certify to the source of the fill material as indicated in this Application.



Signature of Applicant

Schwanewede / Hals Engineering

111 Littleton Road, Suite 200
Parsippany, New Jersey 07054

Professional Engineering and Land Surveying
Phone (201) 337-0053
Fax (201) 337-0173

Prepared By:



David A. Hals, PE, LS, PP, CME
NJPE&LS Lic. No. 29994

DRIVE DRAINAGE CALCULATIONS

Address 10 Birch Lane
Town Waldwick

Block 163.16 Lot 18.04

Date MAY 29, 2025

PROJECT DESCRIPTION

The owner is proposing to construct a single family dwelling

DRAINAGE DESIGN

Seepage pits will be utilized to collect and control runoff

Seepage Pit Design Criteria

Time of Concentration: $T_c = 10$ Min.

Design Storm: 100-Year - 60 Min storm
 $i = 3''/\text{hr.}$

Use Rational Method - $Q = CiA$

EXISTING COVERAGE

Structures	SF
Conc. Pad	SF
Driveway	SF
Walks	SF
Patio	SF

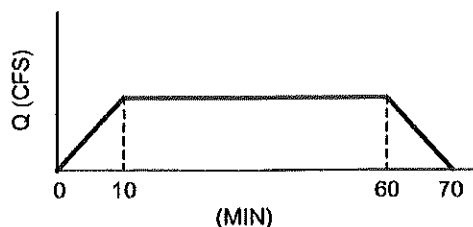
Total = 0 / 43560 SF/Acre
= 0.00 Acres

PROPOSED COVERAGE

Structures	SF
Deck	SF
Driveway	1,614 SF
Walks	SF
A/C units	SF

Total = 1,614 / 43560 SF/Acre
= 0.04 Acres

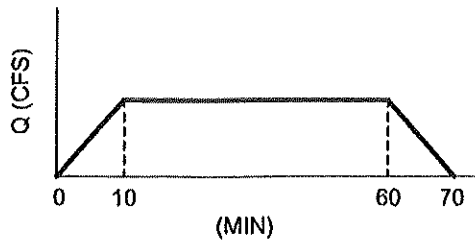
EXISTING RUNOFF



$$Q = CiA = (0.95) \times (3.0) \times 0.00 \\ = 0.00 \text{ CFS}$$

$$\text{Volume} = (\text{Min})(\text{Sec/Min})(\text{Cfs}) \\ = (60)(60) \times 0.00 \\ \text{Volume} = 0 \text{ CF}$$

PROPOSED RUNOFF



$$Q = CiA = (0.95) \times (3.0) \times 0.04$$

$$= 0.11 \text{ CFS}$$

$$\text{Volume} = (\text{Min})(\text{Sec/Min})(\text{Cfs})$$

$$= (60)(60) \times 0.11$$

$$\text{Volume} = 396 \text{ CF}$$

STORAGE REQUIRED

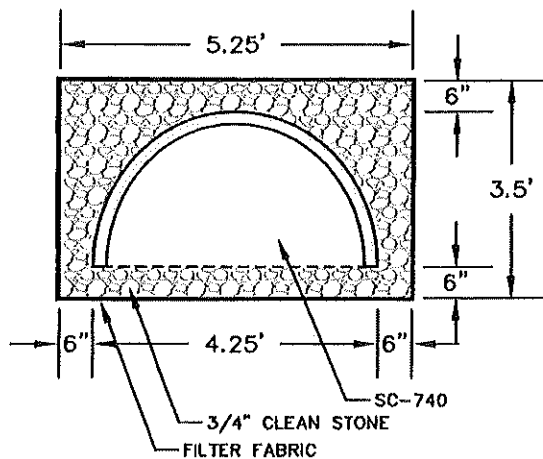
$$\begin{aligned} \text{Proposed Runoff Volume} &= 396 \text{ CF} \\ \text{Existing Runoff Volume} &= 0 \text{ CF} \\ \text{Storage Volume} &= 396 \text{ CF} \end{aligned}$$

$$\begin{aligned} \text{Check 3" Rainfall on the Proposed Roof} &= 0 \text{ SF}/43560 \text{ SF/Acre} \\ &= 0.00 \text{ Acre} \end{aligned}$$

$$\begin{aligned} Q = CiA &= (0.95)(3.0) \times 0.00 \\ &= 0.00 \text{ CFS} \end{aligned}$$

$$\begin{aligned} \text{Vol} &= (60)(60) \times 0.00 \\ &= 0 \text{ CF} \end{aligned}$$

$$\text{STORAGE REQUIRED} = 396 \text{ CF}$$



STORMTECH SC-740

$$30'' \text{ UNIT } (4.25'w \times 2.5'h \times 7.1' L) = 45.9 \text{ CF/UNIT}$$

$$\text{VOLUME/UNIT} = [(3.5' \times 5.25') \times 7.1'] - 58.0 = 72.5 \text{ CF}$$

$$\text{VOIDS} = 72.5 \text{ CF} \times 40\% = 29.0 \text{ CF}$$

$$\text{TOTAL VOLUME / UNIT} = 45.9 \text{ CF} + 29.0 \text{ CF} = 74.9 \text{ CF/UNIT}$$

$$\text{Stormtech Units required} = \boxed{6}$$

$$\boxed{449} > \boxed{396}$$