



BOROUGH OF NEW HOPE

123 New Street, New Hope, PA 18938 ● Phone 215-862-3347 ● info@NewHopeBorough.org

APPLICATION FOR STREET OPENING/SIDEWALK PERMIT

Date: _____ Permit #: _____

Name of Applicant: _____

Company: _____

Address: _____
Street City, State ZipCode

Phone: _____ Email: _____

Location of Project _____

Property Owner: _____
Telephone Email

Description for Work

Starting Date: _____ Approximate Completion Date: _____

Fees, Costs, Insurance

- 1. Application Fee: _____
- 2. Compliance Deposit: _____
- 3. Compliance Bond Amount: _____ Date: _____
- 4. Insurance Certificate: _____ Date: _____

The applicant is: _____ an individual
_____ a partnership
_____ a corporation incorporated under the laws of the State of _____.
_____ a Public Utility under the jurisdiction of the P. U. C.

I (we) assume all liability for any damages to person(s) or property accruing to the public or the Borough of New Hope, which may result from the performance of work in accordance with, and subject to, the conditions, restrictions and regulations of Chapter 21, Part 1 and Part 2A and C of the Borough of New Hope Code of Ordinances.

Witness or Attest: _____ By: _____
(Name and Title)

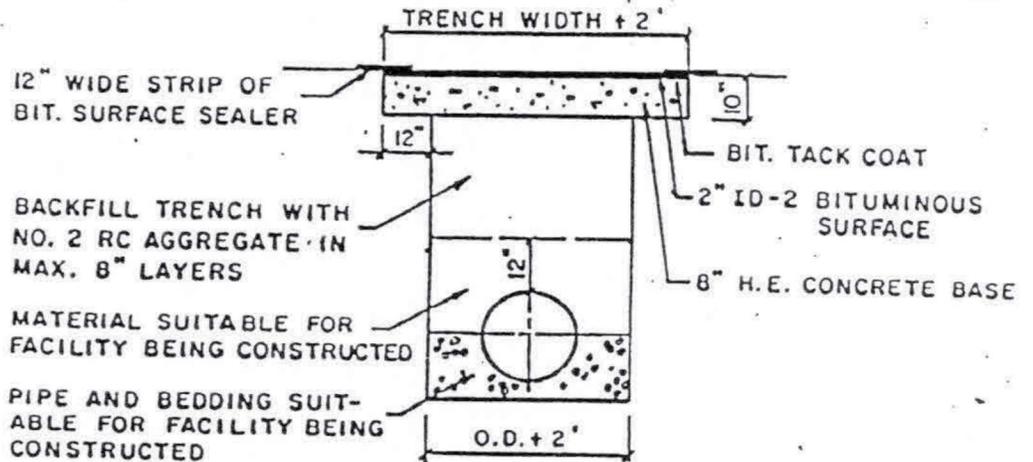
Company: _____

Borough Use only

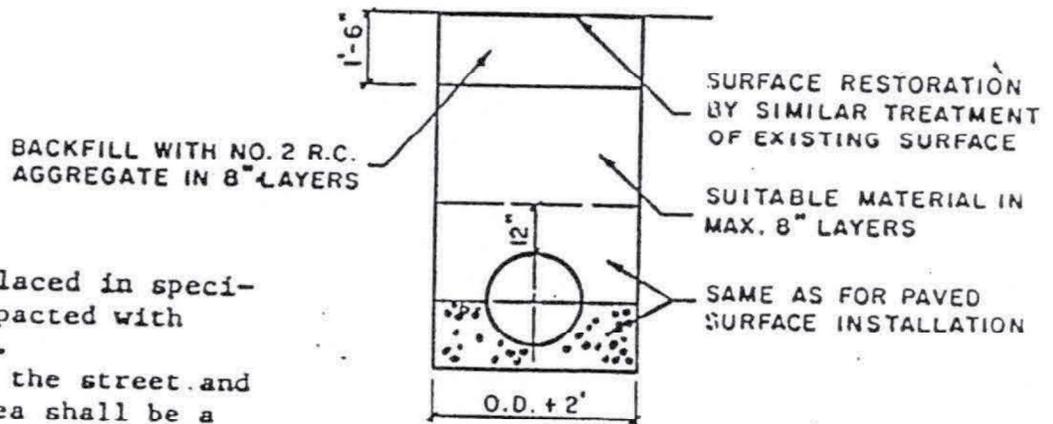
Approved: _____
Public Works Director

Compliance Bond on file: _____ Insurance Certificate: _____

STREET INSTALLATION (PAVED SURFACE)



SHOULDER INSTALLATION (UNPAVED SURFACE)



Notes:

1. All backfill to be placed in specified layers and compacted with mechanical equipment.
2. Trenches parallel to the street and outside the paved area shall be a minimum of 3 feet from the edge of pavement (measured from the nearest edge of trench).
3. All trenches across roadways shall be constructed in half width to permit continuous traffic flow.
4. No blasting or tunneling permitted.
5. All disturbed structures shall be replaced or restored in accordance with prevailing standards.

NEW HOPE BOROUGH
Bucks County, PA

TRENCH REPAIR DETAILS

Boucher & James, Inc.

FEB. 16, 1982

NO. 222-2

STREET OPENING / SIDEWALK PERMIT TECHNICAL SPECIFICATIONS

1. GENERAL

All materials and construction requirements shall satisfy PennDOT Form 408 specifications, unless otherwise modified by these specifications. All work shall be completed in accordance with the following general installation requirements and standard practices for similar type projects.

2. PREPARATION

A. Remove existing sidewalk and curb to control joint or sawcut straight line. If sawcut joint is established, a minimum of 2' wide sidewalk panel and 4' long curb section must remain.

B. Remove sufficient base and subbase materials to install required bedding materials. Existing bedding may be used if material specification is satisfied.

C. Curb replacement (if required) may include excavation of roadway pavement along front face or use of pavement as form for below surface portion of curb.

3. CURB INSTALLATION (if required)

Install new plain cement concrete curb in accordance with PennDOT Standards. Curb reveal shall be set to accommodate existing conditions, but shall be subject to a minimum reveal of 6" and final approval by the Borough Engineer.

4. DRIVEWAY APRONS

A. All driveway ramps shall be concrete from rear of curb to the back of sidewalk.

B. All driveway ramps shall be 6" thick and should meet the sidewalk and depressed curb grade. All aprons shall have a coarse broomed texture.

C. The driveway grade shall meet the sidewalk grade.

D. Driveways constructed prior to installation of sidewalk and/or curb must conform to future curb and sidewalk grade.

E. No driveway shall be cut beyond curb tangent point of radius or extend beyond curb.

F. No driveways are permitted at corners where a 30-foot safety zone is provided for pedestrians, at any safety zone for pedestrians or ramps for handicapped persons.

G. No driveway shall exceed 35' total width between tangent points of street curb at commercial installations.

H. No driveway shall exceed 18' total width between tangent points of street curb at residential installations.

5. SIDEWALK INSTALLATION

A. Materials

1. Aggregate Base – Crushed stone with a maximum diameter of 1 ½” and conforming to gradation requirements of ASTM D-2940, insuring variation in particle size for adequate compaction with drainage.
2. Sand for Leveling Coarse – Fine aggregate complying with ASTM C33. Sand shall be sharp, washed and free of dirt, clay and foreign matter. Fine limestone screenings or stone dust may not be used.
3. Sand for Joints – ASTM C144, except use aggregate graded with 100% passing the No. 8 sieve and 95% passing the No. 16 sieve.
4. Soil Separator – A geotextile weather-resistant permeable membrane suitable for preventing migration of sand setting bed into stone base.
5. Brick Pavers – 53-DD pavers as manufactured by Glen-Gery Corporation to conform to requirements of ASTM C902, Class SX, Type 1, Application PS with dimension 4” X 2 ¼” X 8”.
6. Edge Restraints –
 - Plastic Edge Restraints: Manufacturer’s standard triangular polyvinyl chloride extrusions, 1 2/4” high by 3 ½” long by 15’ long, rigid type for straight edges and flexible type for curved edges; with pipe connectors and 3/8” diameter by 12” long steel spikes, designed to serve as edge restraints for unit pavers.
 - Steel Edge Restraints: Commercial steel edging with loops pressed from or welded to face of sections at 2’ – 6’ o.c. to receive stakes, and steel stakes 16” long for each loop. Size of edging as follows: ¼” thick by 5” high by 16’ or 20’ long.

B. General Installation Requirements

1. Paving shall be sloped away from buildings, walls, and other elements capable of collecting surface water. Brick surfaces shall be sloped 1/8” to ¼” per foot.
2. A method of containment (edge restraint) must be provided around the perimeter of the concrete or edge restraints in the form of steel or plastic edge restraints.
3. Brick paving shall be installed in an ungrouted, mortarless condition.
4. Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen subgrade or setting beds.
5. Do not use unit pavers with chips, cracks, voids, discoloration, and other defects that might be visible or cause staining in finished work.
6. Cut unit pavers with motor-driven masonry saw equipment to provide clean, sharp, unchipped edges. Cut units to provide pattern indicated and to fit adjoining work neatly. Use full units without cutting, where possible. Hammer cutting is not acceptable.
7. Compact soil subgrade uniformly to at least 95% of ASTM D1557 laboratory density.
8. Place aggregate base in thickness indicated. Compact by tamping with plate vibrators and screed to depth required allowing for setting of brick pavers. Compact base to at least 95% of ASTM D1557 maximum laboratory density. Special care should be taken at edges and around obstructions. A tight surface is necessary to prevent migration of bedding sand. If the surface is open after compaction, a chock course of fine material

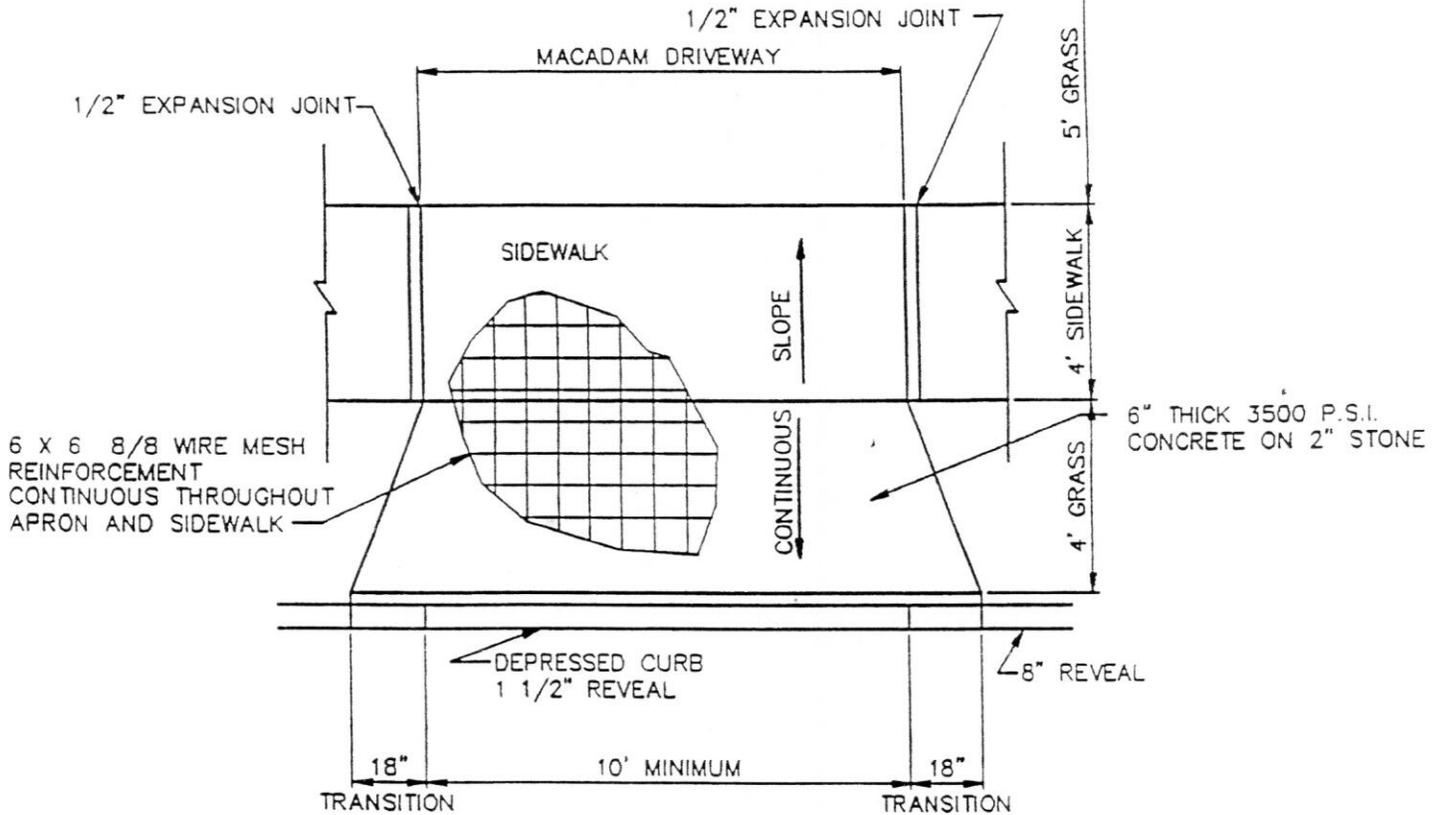
can be compacted into the surface or a geotextile membrane can be applied. The completed base should not deviate from specified level by more than ½”.

9. Install soil separator above stone base following stone compaction. Separator shall be placed full width of brick sidewalk.
10. Place sand leveling bed and compact by tamping or wetting and screed to depth indicated or required allowing for setting of brick pavers. Sand shall be screeded to a thickness of 1” to 1 1/4” taking care to keep moisture content constant and density loose until pavers are set. The sand bed should not be disturbed prior to installation of brick. Disturbed areas or areas left overnight should be removed and rescreeded. Screed sand approximately 1/8” above compaction and settlement.

6. GRADE REQUIREMENTS WHERE CURBS AND SIDEWALKS ARE PRESENT

- A. The driveway approaches shall be installed 2” above the adjacent roadway from the gutter grade to maintain proper drainage.
- B. When a planting area exists in front of the sidewalk, one of the following 3 cases shall apply:
 - a) When the grass strip between the curb and the sidewalk is wide enough to maintain a 1 % maximum driveway approach grade, construct the driveway as shown in Figure #1
 - b) If the driveway grade would exceed 10% press the entire sidewalk. The sidewalk should maintain a ¼” per foot cross slope and the longitudinal slope of the sidewalk shall not exceed 2” per foot; see Figure #3
 - c) When sidewalk shall be sloped as shown in Figure #4, the maximum side slope of the sidewalk may not exceed ¼” per foot and the maximum longitudinal grade of the sidewalk shall not exceed 2” per foot.

R.O.W. LINE



DRIVEWAY AND APRON DETAIL

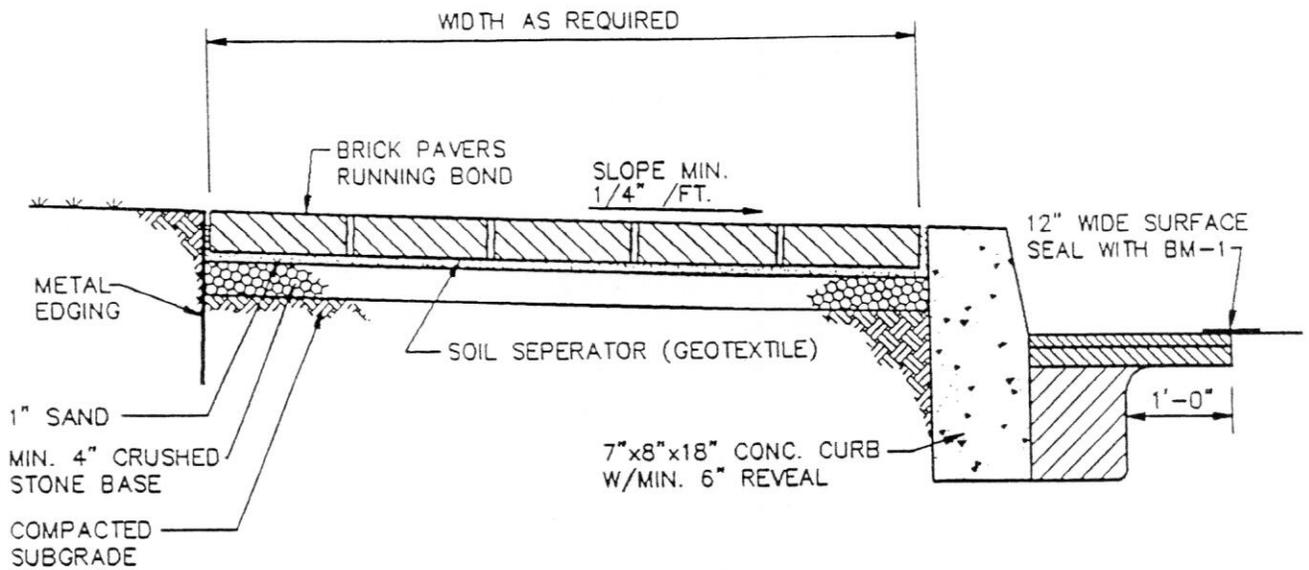
N.T.S.

90720817

CEC CARROLL ENGINEERING CORPORATION CONSULTING ENGINEERS

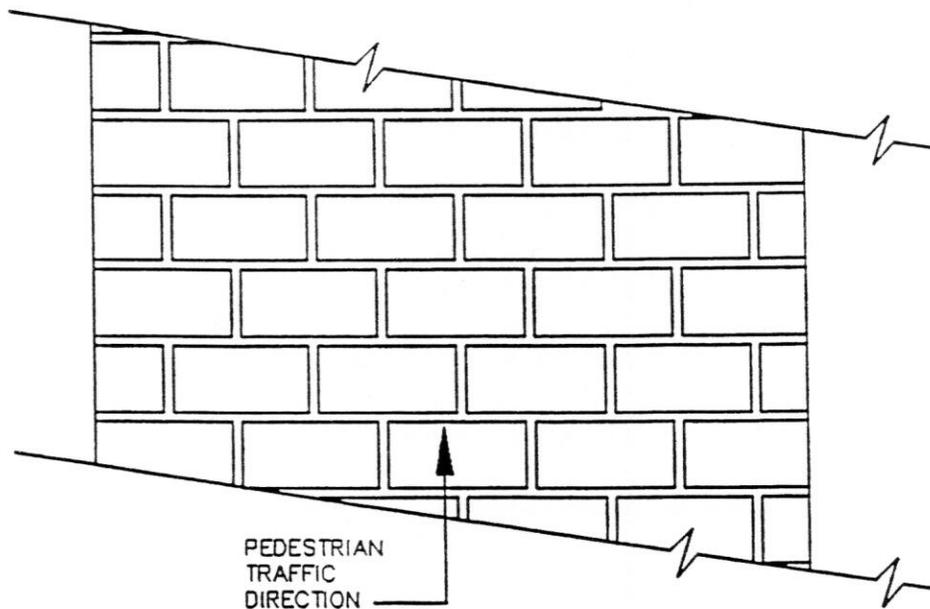
DRIVEWAY AND APRON DETAIL

DATE 2-23-99
JOB NO. 97-8072
SCALE AS NOTED
DWG. NO. _____



TYPICAL SECTION - BRICK SIDEWALK

N.T.S.



PLAN VIEW - RUNNING BOND PATTERN

N.T.S.

REVISED 5-3-99