

**CITY OF NEWPORT, RHODE ISLAND**  
**DEPARTMENT OF PUBLIC SERVICES**



**RULES, REGULATIONS AND STANDARD SPECIFICATIONS FOR  
CONSTRUCTION WITHIN CITY RIGHT-OF-WAY**

**August 1, 2008**

## INTRODUCTION

The cutting and removal of pavements from any roadway or sidewalk can be detrimental to its overall structural integrity as avenues of water penetration are introduced into their subgrades. Proper construction techniques associated with trench excavation/restoration are therefore imperative to keep pavement lifecycles to a maximum; with such, these specifications have been developed in order to outline permitting requirements and to document the City of Newport's requirements and specifications relating to the physical construction activities within the rights of way for the overall protection of the integrity of the city's existing roadway infrastructure.

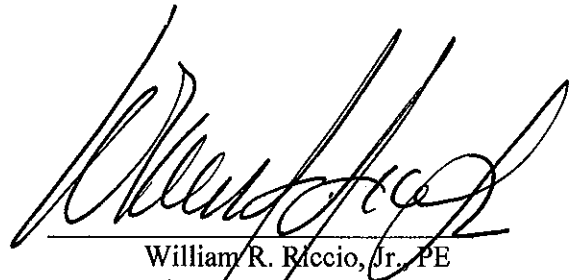
With application of these requirements, it is the intention of the City of Newport to decrease the likelihood of trench failures in order to maximize the lifecycle while minimizing and associated maintenance costs associated with our roadway network.

These standards shall be administered by the Director of the Department of Public Services or his authorized designee.

These standards shall be periodically reviewed, updated, and expanded in the future. Written comments are welcome at any time.

## AUTHORITY AND PURPOSE

The following rules, regulations, and specifications are promulgated and developed in order to administer Chapter 12.08, Excavations and Curb Cuts, of the City of Newport's codified ordinances. With such, the City of Newport Department of Public Services will allow alteration to the physical features existing within city owned rights-of-way, by application and approval of a curb cut permit, excavation permit, obstruction permit, road closure permit and/or drain layers permit or any combination thereof.



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**DEPARTMENT OF PUBLIC SERVICES  
ENGINEERING DIVISION  
CITY OF NEWPORT, RHODE ISLAND**

**RULES, REGULATIONS AND STANDARD SPECIFICATIONS FOR  
CONSTRUCTION WITHIN CITY RIGHT-OF-WAY**

**Effective Date: August 1, 2008**

**GENERAL INFORMATION**

It is the policy of the City of Newport that all construction and/or modification over, under, on or otherwise affecting City Rights-of-Way will be regulated and controlled by the Department of Public Services for the general interest of the health, safety, and welfare of the public in accordance with recognized engineering standards. All persons, firms, or corporations performing construction within City of Newport's public rights-of-way shall be required to apply for the appropriate permits in order to secure permission to construct, modify, or alter city owned rights-of-way. All persons, firms, or corporations holding permits from the City of Newport for curb cuts, excavations, or obstructions in public rights-of-way shall restore the condition of the altered street, sidewalk, landscape, or other effected area in accordance with the specifications provided herein.

The following rules, regulations, and specifications shall apply to all activities that propose to alter, in any way, or to construct within the City of Newport's rights-of-way. These rules will pertain to, but not be limited to, any construction or other activities that may require the cutting, removal, or undermining of the sidewalk, roadway pavement, or landscaped areas. **Failure to obtain the appropriate permits and/or to comply with these regulations will result in a \$150.00 fine, in addition to the costs associated with the permit application.**

The permit holder shall furnish all labor, tools, materials, and equipment necessary for protection of the excavation, traffic control, backfilling, placing compacted gravel, temporary pavement, landscaping, permanent pavement, and any other work necessary to restore the condition of the right-of way to its original state.

A five year construction moratorium will apply to all roads that have experienced full-width reconstruction or any other form of full width rehabilitation. If any work is necessary within the last five (5) years, the Contractor shall replace 10 feet on both sides of the excavation for the entire road width.

As used in these specifications, the "City" shall mean the Director of Public Services or his authorized representatives.

## 1. APPLICATIONS & PERMITS

For purposes of these regulations, there are three types of permits for work proposed within City of Newport's rights-of-way that include:

- 1.1 **Curb Cut:** Any activity the sole purpose of which proposes to provide or modify physical access to an adjacent parcel of land.
- 1.2 **Excavation:** Any activity which alters existing conditions within any city owned right-of-way for any purpose other than for providing physical access to an adjacent parcel of land.
- 1.3 **Obstruction:** Any activity which allows for the presence of temporary obstructions in any city owned right-of-way which impedes the flow of vehicular or pedestrian traffic (i.e. ladders, scaffolding, dumpsters, construction equipment/materials.)

Each application will require advance approval by the Department of Public Services prior to the commencement of construction/alteration activities. Non-permitted activities will be subject to appropriate fines as outlined within these regulations in addition to all application fees. Each of these separate permits will require the submission of appropriate application materials and fees in accordance with the following requirements and fee schedules:

## 2. DOCUMENT AND PLAN REQUIREMENTS

All applicants are required to submit to the Department of Public Services, Engineering Division a completed and signed original application form and appropriate calculated application fee, along with scaled plans depicting the proposed activities within the right-of-way.

**Plan Requirements: Plans incorporating a maximum scale of 1 inch = 20 feet shall be provided on 8 1/2" X 11" or 11" X 17" sheets of paper.** Plans submitted that do not meet these requirements will not be accepted. At a minimum, all proposed work shall be depicted on the plan along with any construction details and proposed traffic control details that may be necessary to complete the work to the satisfaction of the engineer.

## 3. GENERAL REQUIREMENTS:

**The permit holder is responsible for all phases of the work, from excavation to two (2) years after placement of the permanent pavement unless otherwise noted with these regulations.**

When making application for curb cut or excavation permits, the applicant may be required to replace and or upgrade any existing deficiencies along the property frontage as directed by the engineer, as part of the approval process. If the engineer determines such deficiencies exist this additional area will not be calculated as part of the application fee.

All new curbing proposed to be installed in the City of Newport shall be granite or, in cases where other materials currently exist adjacent to the proposed work, matching materials shall be used unless otherwise unobtainable.

All permits granted shall be posted or kept on-site by the contractor performing the work for inspection at any time.

#### 4. FEE SCHEDULE

**Fees shall be included as part of the application submission package.** Applications will not be reviewed until the appropriate fee has been provided. The fee schedule is provided below. All payments shall be by certified checks or money orders made payable to “City of Newport.” All fees outlined below are inclusive; therefore administrative application fees as outlined in City of Newport codified ordinance #2.120.010(58), Administrative Fee for License and Permit Applications shall not apply.

**4.1 Curb Cut Permit Fee:** The following property use base fees will be applied to all applications to which the additional fee of \$2.00 per square foot of disturbed area in any city owned right-of-way.

i.	Residential Single Family .....	\$100.00
ii.	Multi-Unit Residential:	
	a. 5 units or less .....	\$200.00
	b. 6-49 units .....	\$500.00
	c. 50+ units .....	\$2,000.00
i.	Commercial (all non-residential development)	
	a. <25,000 square ft. building .....	\$1,000.00
	b. 25,000 – 300,000 square ft. building .....	\$1,500.00
	c. 300,000 – 750,000 square ft. building .....	\$2,000.00
	d. >750,000 square ft. building .....	\$3,000.00

**4.2 Excavation Permit Fee:** \$100.00 plus \$2.00 per square foot of disturbed area in any city owned right-of-way.

**4.3 Obstruction Permit Fee:** In general, it is the intent to limit all temporary construction activities within city owned rights-of-way to the least possible amount of time. The following fees shall apply to all obstruction activities: the fee of \$25.00 per calendar day for obstructions located within city-owned rights-of-way for a maximum of 30 days. If longer durations are approved by the Director of Public Services, an additional fee of \$100.00 per day will be imposed for each day beyond the 30 day maximum. Additional fees will apply if obstructions occur within metered parking spaces per City of Newport codified ordinance 10.20.210E.

**4.4 Drain Layers Fee:** \$25.00 per connection in addition to securing a drain layer’s license with the City of Newport’s City Clerk’s Office.

**4.5 Road Closure Fee:** A fee of \$100.00 will be applied in instances where road closures become necessary.

#### 5. FAILURE TO COMPLY

Failure to obtain appropriate permits will temporarily halt work until such time that appropriate permits are filed, reviewed and approved by the City of Newport and will be subject to fines as outlined within these regulations.

**Work of Emergency Nature** - The City of Newport recognizes that emergency situations do arise and understands the need to take immediate corrective action. If an emergency condition does arise, the contractor shall notify the Newport Police Department prior to excavation. The contractor shall further contact the Department of Public Services Engineering Division the next business day following the emergency excavation in accordance with City of Newport codified ordinances 12.08.030 and 12.08.050

In all instances, the applicant is responsible to repair any damage that may be made to the existing right-of-way due to any obstruction, excavation or construction activity as permitted through this process.

## 6. INSURANCE REQUIREMENTS

Certificates of liability insurance and performance bonds must be posted with the Engineering Division before any permit can be issued. Permits will be issued only for work covered by the applicant's insurance. The performance bond guarantees completion of the work and complete restoration of the site to the City of Newport specifications and to the satisfaction of the Director of Public Services.

## 7. CERTIFICATES REQUIRED FOR WORK IN THE CITY RIGHT-OF-WAY

Any excavation, including utility work and curb cuts:

- a. \$300,000 each/\$600,000 aggregate liability and \$100,000 broad form property damage, plus \$5,000 performance bond

**OR**

- b. \$500,000 combined liability plus \$5,000 performance bond

Sewer work on public or private property:

- a. or b. above, plus drain layers license from the City of Newport City Clerk

Any obstruction: \$300,000 general liability

## 8. MATERIALS

All materials utilized for construction projects within City owned rights-of-way shall conform to the following specifications and/or the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004, as amended and must be approved by the City.

### 8.1 PIPE

- 8.1.1. **REINFORCED CONCRETE PIPE** - Class III, Wall Thickness B, ASTM Designation C-76, latest revision. Each pipe shall be marked for strength class identification and must show the name or trademark of the manufacturer and date of manufacture. No pipe shall be shipped for at least five (5) days of manufacture. Reinforced concrete pipe shall be used only for storm water.

- 8.1.2. **POLYVINYL CHLORIDE (PVC) PIPE**

**Gravity Sewer** - All PVC pipe and fittings shall conform to ASTM Designation D-3034, latest revision. Pipe and fittings shall meet extra strength minimum of SDR-35. PVC pipe and fittings shall be bell and spigot type, with rubber ring joints conforming to ASTM F-477, latest revision. All pipes shall be installed according to ASTM D-2321, latest revision.

**Force Main** - All pressure pipe and fittings shall conform to ASTM D-2241, latest revision. Pipe and fittings shall meet extra strength minimum of SDR-26 for 160 PSI pipe. Pipe shall be bell and spigot type with rubber ring joints

conforming to ASTM D-1869, latest revision. No solvent weld joints will be permitted.

- 8.1.3. DUCTILE IRON PIPE** - All ductile iron pipe and fittings shall be Class 52 double cement lined.

## **8.2 BACKFILL MATERIAL**

### **8.2.1 CRUSHED PROCESSED GRAVEL**

Trenches shall be **completely backfilled with crushed processed gravel. All excavated material shall be removed and disposed of.** Gravel made from reclaimed and/or recycled materials may be used for backfill if approved by the City. The City of Newport has no available landfill site. Gravel shall be compacted with mechanical compactors in layers not more than six (6) inches deep. The gravel shall be brought to within four (4) inches of the finished road grade and left in a smooth and level condition, for installation of temporary pavement.

Crushed processed gravel shall meet the following gradation requirements:

<u>Sieve Size</u>	<u>% Passing</u>
2-inch	100
3/4-inch	50-80
#4	30-50
#200	0-5

### **8.2.2 CONTROLLED LOW STRENGTH MATERIAL (FLOWABLE FILL)**

The placement of flowable fill shall conform to all applicable portions of Section 600 of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, 2004 Edition, as amended. Flowable fill will be placed level with the bottom of existing asphalt, eliminating the need for compacted road base. The flowable fill shall be discharged directly from the mixer truck into the space to be filled. The mix may be placed part depth or full depth as conditions dictate. Care is to be taken to prevent pipes from floating. Formed walls or other bulkheads shall be constructed to withstand hydrostatic pressure exerted by the plastic flowable fill. All necessary means to confine the material within a designated space shall be provided.

Generally, once flowable fill is placed it takes 12 to 24 hours to cure adequately before final asphalt surfacing can be completed on the trench. In that interim period of time, steel plates will need to be in place covering the trenches to allow traffic to proceed while the trench is curing. The flowable fill shall be left undisturbed until the material obtains sufficient strength. Sufficient strength for paving is achieved when the flowable fill can support the weight of foot traffic without apparent deformation. Sufficient strength for supporting vehicular traffic is 2.5 tons per square foot as measured by a pocket penetrometer.

### **8.3 BITUMINOUS CONCRETE PAVEMENT**

Bituminous concrete pavement shall in general consist of two (2) courses. A base course shall be placed over a 12-inch compacted processed gravel base or cured flowable fill, followed by a surface course. Bituminous concrete shall conform to all applicable portions of Section 400 of the Rhode Island Department of Transportation "Standard Specifications for Road and Bridge Construction", 2004 Edition, as amended. Unless otherwise directed, these two courses shall be a minimum of 2 inches of base course and 2 inches of Class I-1 surface course. Certain roadways within the City may be four (4) or eight (8) inches thick of bituminous concrete. Four-inch pavement shall be placed in two (2) courses, 2 inches of base and 2 inches Class I-1 surface course. Eight-inch pavements shall be placed in three (3) courses, two-three inch (3") base courses and a 2-inch Class I-1 surface course.

### **8.4 COLD PATCH**

Cold laid plant mixes shall be of the Precoated Macadam Aggregate Type or the Macadam Type conforming with Asphalt Institute Specification CL-1 and CL-2, respectively. Rapid curing (RC-3 and RC-4) and Medium Curing (MC-4 and MC-5) cut-back asphaltic primers shall be used, mixed with an asphalt cement of 85-100% penetration and hydrated lime. Aggregate gradation shall be between the limits of 1-inch and No. 8 sieve with a high percent passing 3/8 sieve. The mixture shall consist of 90% to 93% of mineral aggregate for CL-1 and 94.5% to 96.5% for CL-2.

Cold laid emulsified asphalt plant mix may also be used subject to approval of samples by the City.

### **8.5 CONCRETE**

The replacement of concrete where required shall conform to all applicable portions of Section 600 of the Rhode Island Department of Transportation "Standard Specifications for Road and Bridge Construction", 2004 Edition, as amended. Pavements and sidewalks shall be Class A concrete with a maximum size of coarse aggregate of 3/4", minimum cement content of 6.5 bags per cubic yard and a 28-day compressive strength of 3,500 PSI. No additives shall be used unless specifically allowed and approved by the City.

### **8.6 TOP SOIL OR LOAM**

Top soil or loam used for replacing disturbed loamed areas shall in every aspect meet the requirements of Section M.20, of the Rhode Island Department of Transportation "Standard Specifications for Road and Bridge Construction", 2004 Edition, as amended. The location from which the Contractor will furnish the loam shall be subject to the approval of the City.

## 9. EXCAVATIONS

### 9.1 CONSTRUCTION NOTIFICATION

A **minimum of 24 hours notice** shall be given to the Engineering Division before any excavation can commence. Notification may be in writing or by phone. If proper notification is not given, all work shall be immediately discontinued or removed and work shall not recommence until proper notice is given.

### 9.2 BACKFILL REQUIREMENTS

**Backfilling. An inspection by the Engineering Division is required before any backfilling will occur.** Inspections can be requested by calling the Transportation Engineer, 845-5842, or the Engineering Division, 845-5483. All restoration work and materials used shall be governed by the City of Newport, Rules, Regulations and Standard Specifications for Construction Within City Right-of-Way, 2008, as amended, City of Newport Construction Details, and the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction and Standard Details (2004 Edition,) as amended.

**All road excavations in the transverse direction (perpendicular to traffic flow) shall be backfilled with “flowable fill” material** to the bottom of the existing bituminous pavement and allowed to cure for 24 hours prior to application of the temporary patch material.

**Longitudinal roadway excavations may be backfilled with crushed processed gravel to be placed and compacted in six inch (6”) lifts.** The gravel shall be brought to the bottom of the existing bituminous surface or within four (4) inches of the finished road grade, whichever is greater, and left in a smooth and level condition for installation of the temporary pavement.

**Requirements for the Excavation of Concrete Sidewalks.** The Contractor shall remove, dispose, and replace any altered concrete sidewalk in **complete panels. The Contractor shall also be responsible for replacing any damaged panel adjacent to the proposed work area as directed by the engineer.** If sawcutting is required, cuts shall be made along control joints. If base material under the sidewalk is removed or is deemed unsuitable by the City, the Contractor shall install a minimum of six inches (6”) of compacted crushed processed gravel. All new concrete sidewalks shall be a minimum of five inches (5”) thick. All new concrete driveway aprons and wheelchair ramps shall be a minimum of six inches (6”) thick.

All materials shall conform to Section 3 of this document and the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction and Standard Details (2004 Edition,) as amended.

### 9.3 PUBLIC SAFEGUARDS

All excavations shall be protected by the permit holder with public safeguards and adequate warning devices such as lighted barricades, danger and warning signs, detour signs, and watchmen. No unattended excavation shall be left open. Requirements for Police details are contained in the Appendix.

It shall be the responsibility of the contractor performing the work to maintain a safe and passable (minimum one lane) roadway throughout the duration of the project. The

contractor shall provide all necessary signs, barricades, flag persons, or traffic details as deemed necessary by the Director of Public Services. In general, road closures will not be permitted. Roads must be completely reopened at the end of each construction day.

#### **9.4 CONSTRUCTION IN THE VICINITY OF TREES**

All trees in City rights-of-way or other publicly owned property shall be included under this item. No excavation or stockpiling of materials within the dripline of any public or protected tree shall commence without first obtaining a permit from the City Tree Warden. It shall be unlawful to damage, cut, carve, transplant, or remove any public, historic, or protected tree. Trees near any excavation or construction or repair of any building shall be protected by substantial fencing.

#### **9.5 STORAGE OF MATERIALS**

All excavated material shall be immediately removed from the work site and shall not be left in any right-of-way.

No construction materials shall be stored on any City property or rights-of-way without written approval by the City.

### **10. TEMPORARY PAVEMENT - INSTALLATION & PLACEMENT**

Immediately after installing the compacted gravel base course (the gravel base course shall be clean, dry, and free of frost) or after allowing the flowable fill to harden, temporary pavement consisting of a minimum of four (4) inches of compacted hot mix bituminous concrete surface course shall be placed on roads, driveways, and sidewalks. The exposed edges of the existing pavement shall not be cut. The exposed face of the existing pavement shall be clean and free from dirt and other substances which would prevent proper binding with the temporary pavement. The surface of the compacted temporary pavement shall be maintained level and smooth and shall conform to the existing pavement.

It is the responsibility of the contractor to ensure that the temporary pavement is kept in good condition until the permanent surfacing is placed. The Contractor shall repair the temporary pavement within 24 hours after notification by the City. If repairs are not made within the time specified, the City may repair or have the same repaired and the cost of such repairs, plus 100%, shall be paid by the contractor or from the maintenance bond on file with the City.

Upon approval by the City, cold patch may be substituted for hot mix bituminous concrete used for temporary pavement. All areas that have been patched with cold mix shall be repaved with hot mix bituminous pavement within one week of cold patch placement or as directed by the City. When repatching the trench with hot mix, all of the cold patch material shall be first removed from the trench. The subgrade shall be regraded and additional material added and compacted as necessary.

## 11. LANDSCAPING AND CLEAN-UP

Immediately after completion of the temporary pavement, the permit holder shall remove from the site any debris or materials resulting from the excavation and shall rake and/or sweep the area of work. At the time of permanent pavement restoration, the Contractor shall restore all landscaped areas to their previous condition.

## 12. PERMANENT PAVEMENT

### 12.1 INSTALLATION & PLACEMENT

The permanent pavement will not be placed until the prepared surface has been **inspected and approved by the City.**

Final pavement restoration shall be deferred for a **minimum of six (6) months** after the temporary pavement has been exposed to traffic. The permanent pavement shall be placed within ten (10) business days after notification by the City to proceed with this work. Permanent pavement placed **before** the six month waiting period may not be accepted by the City. All permanent pavements shall be guaranteed against settlement or breakup for two (2) years from the date of placement. Any failed permanent pavement within this two year period shall be removed and replaced at the Contractor's expense within one week after notification from the City.

All temporary pavements shall be completely removed from the excavation and disposed of. The edges of the excavation shall be sawcut at least six inches (6") from the edge of the temporary pavement and cleaned to insure a proper bonding surface. The surface of the gravel base course or flowable fill shall be level, clean, free from frost, and compacted prior to placing the bituminous asphalt. Before the permanent pavement material is placed against the existing pavement, the edge of the existing pavement shall be thoroughly sealed with emulsified asphalt to insure bonding and water tightness.

The contractor is required to place a minimum of four (4) inches of pavement or match existing pavement, whichever is greater. A minimum of 2 inches of base course and 2 inches of RIDOT Class I surface course is required. All bituminous asphalt is to be placed and rolled in accordance with the City of Newport and RIDOT specifications and details.

The Contractor shall exercise special care in making sealed and well bonded joints and in obtaining a surface conforming to the contour and grade of the adjacent pavement.

### 12.2 ADDITIONAL REQUIREMENTS

Whenever a longitudinal trench within the travel lane of the roadway is greater than two (2) feet from the edge of the road, **the entire travel lane pavement will be replaced or repaved.**

All lateral trenches shall be repaired or restored completely within the excavation limits as well as for a distance of five (5) feet on either side of the trench as measured from the centerline of the trench.

Repairs or restorations that overlap adjacent trenches shall extend the outer limit of restoration or repair to include the outer limit of the adjacent trench so as to limit the total number of transverse joints in the pavement.

### 13. CONCRETE

#### 13.1 CONCRETE SIDEWALKS

Concrete for sidewalks shall meet the requirements specified under Section 3.5. The Contractor shall remove and dispose of existing sidewalks in **complete panels**. If sawcutting is necessary, cuts shall be made along control joints. If base material under the sidewalk is removed or is deemed unsuitable by the City, the Contractor shall install six (6) inches of compacted crushed processed gravel. Gravel shall be as specified under Section 2.4.

New concrete sidewalks shall be **five (5) inches** thick. Slump of the concrete shall be between two (2) and four (4) inches.

The concrete shall be placed in forms and tamped and spaded just enough to compact it firmly. Immediately before placing the concrete, the forms shall be clean and wet and the space to be occupied by new concrete shall be free from dirt, chips and foreign material, and shall also be wetted. Precaution should be taken not to overwork the concrete while it is still plastic in order to avoid any excess water and fine material accumulating at the surface. After the concrete has been screeded, it shall be smoothed with a darby or wood float, leveling any raised spots and filling any depressions. All side edges shall be rounded with an approved edger to prevent chipping of the concrete.

Contraction joints shall be formed by cutting a one inch slot in the slab with an approved groover, with a general spacing of five to six feet. All contraction joints shall be made with a straight edge.

#### **Concrete finishing tools shall meet the following specifications:**

Groovers shall be made of bronze, 4-1/2 inches wide with a bit size of 1/2-inch wide at the top and one-inch deep, as manufactured by Goldblatt Tool Co., **Model # 06 314 M7**, or an approved equal.

Edgers shall be made of bronze, 2-3/4 inches wide with a 5/8-inch deep lip on a 1/4-inch radius, as manufactured by Goldblatt Tool Co., **Model # 06 311 M7**, or an approved equal.

Expansion joints are required every twenty (20) feet, wherever the sidewalk meets another walk, driveway, or changes direction. Expansion joint "boxes" shall be formed around all hydrants, light standards, sign posts or any other rigid objects as directed by the City. Expansion joint material shall be 1/2-inch thick and shall consist of an approved bituminous premolded material and shall be as wide as the concrete is thick.

Concrete shall be protected so that moisture is not lost during the early stages of hardening. The Contractor shall protect the concrete from the sun or drying winds by placing burlap, canvas or polyethylene over the work. Burlap or canvas must be kept wet for at least three (3) days. The Contractor may also use approved membrane curing

compounds sprayed on the surface of the concrete. These compounds shall be applied immediately after the concrete has been finished.

The Contractor is responsible for maintaining and protecting the concrete work and shall insure that no defects, markings or damage by vandals or animals shall occur. Any precautions or watchmen needed to insure the concrete finished surface free from damage shall be provided by the Contractor. Any damaged or marked concrete shall be removed and replaced as directed by the City at the Contractor's expense.

### 13.2 CONCRETE DRIVEWAYS

Concrete for driveway portions of sidewalk in rights-of-way shall be as specified under Section 3.5 and placement and protection of concrete driveways shall be as specified under Section 8.1. **Thickness for concrete driveways shall be six (6) inches.**

Where new driveway concrete is to be placed adjacent to existing bituminous pavement, a form shall be placed to insure that the new concrete will not extend into the bituminous pavement. After the form is removed, the space occupied by the form shall be replaced with bituminous pavement as specified under Section 7.

All new concrete for driveways shall be protected by the Contractor from all traffic loads for a **minimum of three (3) days** from the time of placement.

### 13.3 CONCRETE FOR ROADWAYS

Concrete for roadways shall meet the requirements specified under Section 3.5. The thickness of concrete for roadways shall be **eight (8) inches** or as directed by the City.

Certain concrete roadways may require full slab replacement (see Bellevue Avenue), from existing joint to joint. Where a patch within an existing full slab is allowed, the existing sound concrete shall be sawcut for the full depth of the slab at least six (6) inches back from the edge of the disturbed concrete prior to placing new concrete. The vertical sawcut edge of the existing concrete shall be cleaned and painted with an approved epoxy binding agent prior to placing the new concrete.

Placement and protection of concrete for roadways shall be generally as specified under Section 8.1. The fresh concrete shall be protected from traffic loads for three (3) days from time of placement.

**BELLEVUE AVENUE** - Per Ordinance No. 40-89, any utility work performed in Bellevue Avenue must include full slab replacement. Full slab replacement units shall mean replacement from joint to joint, as determined by the Director of Public Services. The slabs shall be of the same color, texture, thickness, etc. They shall also be the same as the specifications of the Bellevue Avenue Reconstruction Contract, identified as Rhode Island Federal Aid Project No. CRP-FY89 (003).

## 14. SPECIAL PAVING

All special paving, (i.e. Belgian Block, cobblestone, bluestone, brick, etc.) shall be replaced in kind, similar in color and texture to the existing special paving. In any application of these materials, eight (8) inches of compacted crushed processed gravel, followed by six (6) inches of 3500 PSI concrete, followed by two (2) inches of sand for

bedding shall be placed. All joints between the blocks (1/2-inch maximum) shall be filled with sand, topped with cement grout as required to match the existing surface.

## 15. DESIGN DIMENSIONS

- a. **Driveway Angle** – Recommended to be 90 degrees where the angle is measured from the centerline of roadway to the centerline of the driveway.
- b. **Driveway Width – Residential** : 9 feet minimum, 20 feet maximum as conditions may permit or as directed by the engineer; **Commercial**: for one way entry – 12 feet minimum, 20 feet maximum as conditions may permit or as directed by the engineer; for two way entry – 24 feet minimum, 30 feet maximum as conditions may permit or as directed by the engineer.
- c. **Corner Clearance** – Minimum distance from corner or adjacent property line shall be 20 feet minimum as conditions may permit or as directed by the engineer.
- d. **Maximum number of curb cuts shall be one (1.)**
- e. Exception to the control dimensions may be granted by the Director of Public Services or his designated representative.

## 16. GENERAL DESIGN REQUIREMENTS

- a. Driveway aprons within the right of way shall generally be constructed of either concrete or bituminous asphalt concrete depending upon existing adjacent materials in the right of way. Special paving materials are not recommended.
- b. In general, all portions of driveways shall be located within existing frontage boundary lines and shall be located so as to result in no undue interference with the free movement of vehicular traffic. Driveway locations shall be avoided near intersections.
- c. Within any driveway access or sidewalk improvement project that cuts a sidewalk, curb returns and transition curbs to match adjacent materials, where applicable, will be placed as necessary.
- d. All sidewalk improvements incorporating or adjacent to a corner will require installation of wheelchair access ramps in order to provide appropriate access to persons with disabilities.
- e. Where curbing is proposed, the applicant will be required to demonstrate that no flooding, ponding, or trapping of water on the pavement will result.
- f. All proposed driveway locations will incorporate the maximization of sight lines for the safety of entering and exiting vehicles.
- g. No landscaping will be allowed within the city owned right-of-way that may block potential sight lines with respect to new driveway locations.
- h. Any proposed alteration or access shall not increase existing volumes of drainage into/or onto the right-of-way.
- i. Exception to the control dimensions may be granted by the Director of Public Services or his designated representative.

## 17. CONDITION OF PERMIT

In consideration of the granting of these permits, the permittee hereby agrees to preserve and save harmless the City of Newport and each officer and employee thereof from any liability or responsibility for any accident, loss or damage to persons or property happening or occurring as a proximate result of its negligence or the negligence of its agents, servants, employees or contractors, in the design or performance of any work

associated with the permitted activities. Any encroachment not placed in a right-of-way belonging to above signed which is prior in time and/or right to the City's right-of-way, any tank, pipe, conduit, duct, or tunnel placed in the excavation or obstruction herein referred to interferes with the subsequent improvement, grading or re-alignment, of the highway by the City, then the applicant will at their own expense remove such tank, pipe, conduit, duct or tunnel, or relocate at a location as designated by the Director of Public Services or authorized designee. The applicant further agrees to pay any damages resulting to the City of Newport from the negligent or improper design, construction of installation of the encroachment and will restore the property crossed, as near as may be possible to its former state and so as not to have impaired unnecessarily its usefulness or will repay the City of Newport its cost of such restoration.

A further condition with the granting of any permit is the requirement that the applicant agree for himself or herself and his or her heirs, assigns and successors, that the subject permitted entrance, curb cut, driveway, or sidewalk shall at all times be kept free of grease and oil and safe for pedestrians and others passing on or over such entrance, curb cut, driveway, or sidewalk, that he or she will make such repairs as may be, from time to time, ordered by the Director of Public Services or authorized designee, and that he or she will indemnify the City of Newport for any and all damage that may arise by reason of the use of the entrance, curb cut, driveway, or sidewalk. For any breach of the agreement, the Director of Public Services may revoke the permit granted and may pursue any and all other legal and equitable remedies available to the City of Newport.

This document shall be recorded in the land evidence records of the City of Newport by the applicant as final condition of approval and shall bind all subsequent owners of the land improved by the work performed under the granted permit.

## **COORDINATION PROCEDURES FOR UTILITY CONSTRUCTION**

**Purpose:** To clarify procedures for securing detail officers from Newport Police Department, and to define categories of construction where various traffic control devices are needed.

### **Categories of Construction**

**1. Detail Men Needed** - on a through street (Section 444.01 of the City Ordinance), when construction will block at least one lane of travel and construction is within fifty (50) feet of an intersection on such a street. Detail men may be needed on some non-through streets, if deemed necessary by the Engineering Division. Detail men may also be needed for major construction, in the judgment of the Engineering Division. If requested, a traffic plan shall be provided by the Contractor in advance of the work for review by the City.

**2. Traffic Devices Needed** - complete or partial blockage of a non-through street or on a through street if less than one lane is blocked. Traffic cones should clearly define the lanes of travel and protect the work area. Signs giving adequate advance notice, indicating road closure, and indicating detour routes shall be provided by the Contractor.

**3. Notification** - after obtaining excavation or obstruction permit from the Engineering Division, at least 24 hours advance notification is required before work is to commence, unless the work is of an emergency nature. If Detail officers are necessary, notify the Police Department at least 24 hours in advance. If the nature of the construction changes (category 1 becomes category 2 or vice versa) notify the Engineering Division as soon as possible.

**LIST OF THROUGH STREETS**  
**City Ordinance Section 444.01**

<b>Admiral Kalbfus Road</b>	Broadway to Training Station Road
<b>Annandale Road</b>	Memorial Boulevard to Narragansett Avenue
<b>Bellevue Avenue</b>	Touro Street to Ocean Avenue
<b>Broadway</b>	City Line to Washington Square
<b>Carroll Avenue</b>	Thames Street to Ocean Avenue
<b>Coggeshall Avenue</b>	Morton Avenue to Ocean Avenue
<b>Eustis Avenue</b>	Bliss Road to Memorial Boulevard
<b>Farewel Street</b>	Coddington Street to Warner Street
<b>Gibbs Avenue</b>	Memorial Boulevard to Broadway
<b>Harrison Avenue</b>	Carroll Avenue to Ocean Avenue
<b>Hillside Avenue</b>	Admiral Kalbfus Road to Bedlow Avenue
<b>Kay Street</b>	Touro Street to Kay Boulevard
<b>Malbone Road</b>	Broadway to Admiral Kalbfus Road
<b>Maple Avenue</b>	City Line to Connell Highway
<b>Memorial Boulevard</b>	City Line to Thames Street
<b>Morton Avenue</b>	Carroll Avenue to Spring Street
<b>Ocean Avenue</b>	Castle Hill Avenue to Bellevue Avenue
<b>Ochre Point Avenue</b>	Narragansett Avenue to Ruggles Avenue
<b>Rhode Island Avenue</b>	Memorial Boulevard to Broadway
<b>Ruggles Avenue</b>	Bellevue Avenue to Wickham Road
<b>Second Street</b>	Sycamore Street to Bridge Street
<b>Spring Street</b>	Webster Street to Bull Street
<b>Thames Street</b>	Farewell Street to Carroll Avenue
<b>Third Street</b>	Bridge Street to Training Station Road
<b>Van Zandt Avenue</b>	Malbone Road to Washington Street
<b>Washington Square</b>	Broadway to Charles Street
<b>Washington Street</b>	Sycamore Street to Long Wharf
<b>Wellington Avenue</b>	Thames Street to Halidon Avenue
<b>Dr. Marcus Wheatland Boulevard</b> (West Broadway)	Pond Avenue to Marlborough Street