TOWNSHIP OF ALLAMUCHY

WARREN COUNTY

NEW JERSEY

WATER SYSTEM

RULES AND REGULATIONS

DECEMBER, 1997

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SECTION 1 – INTRODUCTION

1.1 Purpose

One purpose of the Township Water and Sewer Utilities Department is to implement Water Rules and Regulations in the public interest for the Township of Allamuchy in the County of Warren and in the State of New Jersey, in order to foster and promote public health and safety. These Rules and Regulations are established for the conduct of the Department's business, to cover the use of water mains, services and other facilities, to provide a schedule of fees and rates, and to outline allowable procedures and whatever else is deemed proper within the sphere of the Department's activity.

In accordance with Section 517 of the Township of Allamuchy Land Development Ordinance on lands within the existing or proposed water service area as indicated on the Allamuchy Township Water System Master Plan, and where a public water distribution system is accessible to a property proposed for development, or where such facilities are to be constructed as a condition of approval of any application for development, the developer shall construct such water system facilities and/or water mains and building connections in accordance with the Township of Allamuchy Water System Rules and Regulations, Allamuchy Township Water System Rules and Regulations, Allamuchy Township Water System Master Plan, applicable municipal and county codes and New Jersey Department of Environmental Protection permit requirements and in such a manner as to make adequate water available to each lot and building within the development.

The Township reserves the right to interpret, waive, or revise these rules and regulations, and rates as it deems necessary to meet its purpose under the law and the public interest in general.

1.2 Office of the Township and Hours of Business

The principal office of the Township, place of business and mailing address is Municipal Building, Alphano Road, Box A, Allamuchy, New Jersey 07820.

The office of the Township will be open for the purpose of the transaction of regular business between the hours of 8:00 A.M. and 4:00 P.M. prevailing time, each weekday, Monday through Friday, except holidays. The office phone number is (908) 852-6356.

The maintenance division of the Water and Sewer Department will be open between the hours of 8:00 A.M. and 4:00 P.M. prevailing time, each weekday, Monday through Friday, except holidays. The maintenance phone number is (908) 852-3392.

After business hours, or on weekends or holidays, emergency calls for the Water and Sewer Utilities Department should be directed to the offices of US Water Company at (732) 297-7332. They will contact Department personnel to respond to the call.

1.3 Severability

If any section, subsection, clause or provision of these Rules and Regulations and Rate Schedule shall be adjudged unconstitu-tional or to be ineffective in whole or in part, to the extent that it is not adjudged unconstitutional or is not ineffective, it shall be valid and effective and no other section, subsection, clause, or provision of these Rules and Regulations in any one or more instances or under any one or more circumstances shall not be taken to affect or prejudice in any way its applicability or validity in any other instances or under any other circumstances.

These Rules and Regulations are subject to the Site Improvement Act and any requlations adopted thereunder NJSA 40:55(D)-40.1. Therefore, in the event of any conflict between our Regulations and the Site Improvement Act and/or any regulations thereunder, the Site Improvement Act and/or regulations promulgated thereunder shall take precedence.

1.4 Resolutions

All resolutions or parts of resolutions in conflict or inconsistent with the provisions hereof are hereby repealed, but only, however, to the extent of such conflict or inconsistency; it is the legislative intent hereof that all other resolutions or part of resolutions enacted by the Township of Allamuchy now existing or in effect, unless the same being in conflict or inconsistent with any provisions of this resolution shall be and remain in force and effect.

1.5 Revision of Rates, Rules and Regulations

The Township reserves the right to revise, amend or supplement, from time to time by resolution, these Rules and Regulations, and Rate Schedules for water services.

SECTION 2 - DEFINITIONS

Unless the context specifically indicates otherwise, the meaning of the terms used in these Rules and Regulations shall be as follows:

Automatic Meter Reading (AMR) shall mean the reading of meters electronically. AMR shall also refer to the equipment and devices necessary to read meters via the telephone system including the encoder type water meter, meter interface unit telephone jacks, wires and all other equipment and appurtenances owned by, leased by or under the control of the Township.

Building Connection/Service Line is the supply pipe connected to the service pipe at the curb stop and leading therefrom to the building on the customer's premises.

Check Valve is an automatically operated valve designed to permit the flow of water in one direction only.

Connecting Pipe is the supply pipe connected to the service pipe at the curb stop and leading therefrom to the meter on the customer's premises.

Connection Fee is a charge imposed upon the owner or occupant of property or premises to be connected to the Township's water system representing a fair payment toward the cost of the water system and calculated pursuant to NJSA 40:14B-21. The Connection Fee is an addition to the actual cost of the physical connection or "tapping fee" imposed pursuant to the rate schedules annexed to these Rules and Regulations.

Curb Stop is the fitting attached to the service pipe at the curb, for turning on and shutting off water.

Customer is a person, partnership, firm, corporation, governmental subdivision or agency receiving water service to premises, as hereinafter defined.

Department shall mean the Township of Allamuchy Water and Sewer Utilities Department.

Distribution Main is a pipe which delivers water to the service pipes attached thereto to serve the premises of customers.

Domestic Consumer Unit shall mean a dwelling or structure normally occupied by a single family.

Easement shall mean an acquired legal right for the specific use of land owned by others.

Emergency Cut-in Valve is a device installed on auxiliary fire service lines designed to open automatically when downstream pressure drops below a pre-set head; and which automatically closes when pressure rises above the pre-set amount.

Fixture Unit shall mean each plumbing unit including but not limited to sink, toilet, urinal, tub or shower.

Flow Equalization is the reduction in peak rates of flow, through the use of water storage facilities or equalization tanks.

House Connection - See Service Connection.

Indirect Connection is a connection serving more than one (1) service unit with one or more owners through a single meter (master meter).

Main shall mean a pipe or conduit that carries potable water.

Master Meter is a single meter serving premises that include more than one service unit with one or more owners.

May is permissive (see Shall).

Meter is a mechanical device which registers and records the quantity of water supplied to the customer.

Off-site shall mean located outside the lot lines of the lot in question but within the property (of which the lot is a part) which is the subject of a development application or contiguous portion of a street or right-of-way.

Off-tract shall mean not located on the property which is the subject of a development application nor on a contiguous portion of a street or right-of-way.

On-site shall mean located on the lot in question.

On-Tract means located on the property which is the subject of a development application or on a contiguous portion of a street or right-of-way.

Person shall mean any individual, firm, company, association, society, corporation, or group.

Premises include the following:

(a) A building or other structure under one roof owned or leased by one customer.

(b) A combination of buildings owned or leased by one customer, in one common enclosure, occupied by one customer.

(c) A building owned or leased by one customer having a number of apartments, offices, or lofts which are rented to tenants, using one or more halls and entrances in common.

(d) A combination of buildings owned or leased by one customer, in one common enclosure, none of the individual buildings of which is adapted to separate ownership.

(e) A cooperative apartment, condominium, townhouse or similar development served by one or more master meters for distribution of water to a greater number of unit owners or occupants.

(f) A public building.

(g) A single plot, such as a park, playground or cemetery.

(h) Any other service unit or group of service units under single, joint or common ownership.

Pressure Reducing Valve is a device which is placed in pipe lines to maintain automatically a given working pressure on its outlet side regardless of the pressure on the inlet side.

Pressure Relief Valve is a device installed in pipe lines and other pressure systems to relieve automatically excess house system pressure, above the predetermined setting of the relief valve.

Private Fire Service Hydrants or Private Fire Hydrants are hydrants on private property connected to private water lines served by the Township system and owned and maintained by the customer.

Public Main shall mean a common water main controlled by a governmental agency or public utility.

Rules and Regulations, as referred to herein, are these entire "Rules and Regulations for Water Service" as the same may be amended or revised from time to time.

Service Charge means rents, rates, fees and other charges for direct or indirect connection for the use of products or services of the water system, or sale of water, or water services, facilities or products.

Service Connection shall mean that portion of the public water system which extends from the main in the street or easement to the property line. (Also called house connection).

Service Pipe is a supply pipe installed by the Township at the customer's expense leading from the corporation stop at the main to the curb stop and not to exceed two inches (2") in diameter.

Service Pipe - Large Diameter is a supply pipe installed by the customer at the customer's expense leading from a shut-off valve at the main to the customer's premises and is larger than two inches (2") in diameter.

Service Unit shall mean a residential, commercial, industrial or other unit of property to which water service is provided either by direct connection or a master meter serving other units.

Shall is mandatory (see May).

Tap or Corporation Stop is a the fitting inserted in the distribution main to which the service pipe is attached. It is used for shutting off water in case of repairs to the service pipe.

Township shall mean the Township of Allamuchy.

Transmission Main is a pipe line of large diameter (usually 10" and larger) which delivers water from the various treatment facilities, pumping stations and distribution reservoirs to the distribution mains.

Water Facilities shall mean the structures, equipment, and processes required to supply, treat, store, and/or distribute.

Water Main Extension is an addition to the existing system of transmission and distribution mains, constructed by the Township.

Water System shall mean the facilities, structures and other real and personal property acquired, constructed or operated by the Township for the purposes of supplying, treating, storing, transmitting, and distributing water, including wells, conduits, pipe lines, mains, pumping stations, treatment plants and works, storage tanks and reservoirs, connections, and other structures, conveyances, and other real and personal property, and rights therein, and appurtenances.

Water Treatment Works shall mean an arrangement of devices and structures for treating water. Sometimes used as synonymous with "water treatment plant."

SECTION 3 - ADMINISTRATIVE PENALTIES, FEES AND CHARGES

3A. PENALTIES

For any violation of the Rules and Regulations, the Township of Allamuchy may impose any or all of the following penalties:

a) Discontinuance of all or part of service at the property where the violation occurs.

b) A monetary penalty for each violation in accordance with the current Penalty Schedule. In the case of continuing violation, each day of violation shall be deemed to be a separate violation. Where there is evidence of a violation of Section 7C.4 of these Rules and Regulations, there shall be a presumption that the violation continued for each day of the calendar quarter in which the violation was observed or measured and the Township shall have the discretion to charge a full or part quarter assessment.

c) Assessment of all costs to the Township to correct the violation, including but not limited to, reimbursement for any penalties which may have been imposed upon the Township by any regulatory agency.

d) The penalties for violations shall be in accordance with the current Penalty Schedule.

In the case of continuing violation, each day of violation shall be deemed to be a separate violation. The penalties shall be prepared by the Township and may be appealed to the Governing Body.

None of the above shall be deemed to prevent the imposition of such criminal and civil penalties as may be imposed by the Municipal Court of the Township of Allamuchy under the applicable ordinances of the Township.

3B. FEES AND CHARGES

3B.1 Fees and Deposits to Accompany Applications and Permits

For standard application fees, see current Standard Application Fees and Charges in Appendix "B".

3B.2 Water Service Charges

All owners of property connected to the water system of the Township of Allamuchy shall pay to the Township a water service charge in accordance with the current Water Service Charges Schedule.

3B.3 Charges to Connect to Water System

The following fees shall be imposed for each direct or indirect connection to the Township water system.

Connection Fee - For the right to connect directly or indirectly to the Township's water system, an applicant shall be charged a connection fee for each service unit as specified in the current Fees and Charges Rate Schedule. Such connection fees, which are charged for an initial connection (or reconnection after termination of service) to the water system, are an integral part of the Township's rate schedule and are a distinct and separate charge from all other rates and water charges and payment for one shall not constitute payment of the other. The connection fee shall be calculated and updated pursuant to N.J.S.A. 40:14A-8.

Inspection Fees - An applicant for water service may also be charged for inspection work to ensure compliance of water connections with the Township's Rules and Regulations as the same are promulgated, amended, modified and supplemented from time to time.

Service Connection Installation Fees - An applicant will be charged for the installation of a service connection whenever a physical connection is required to be made by the Township or their designated contractor. The charge for installation of service connection(s) shall be the actual cost incurred by the Township.

Upon an addition, alteration or change in use of any building already connected to the Township system, an additional connection fee may be charged based upon the water connection designations.

3B.4 Payments of Connection Fee

Connection Fee payments for single family homes, existing prior to the installation of water lines by the Township, and applying and connecting within thirty (30) days after notification of availability of service by the Township, must be:

a) Payment in lump sum, or

b) Payment in four equal installments over a one year period, commencing at time of availability of service, prior to connection. (Balance to be paid in full upon change in ownership).

Connection Fee payments for single family homes built after water mains were installed, payment must be:

a) Payment in lump sum prior to connection.

Property owners who fail to make application and connection within the required time limits, and do not have written certification from the Township of Allamuchy indicating valid reasons for not connecting must pay as follows:

a) Payments due in full on date service becomes available. Service is considered available upon notification by the Township, which is not necessarily the time of connection.

For developments comprising two or more homes, payment must be made:

a) Within six (6) months of approval of the application for water service by the Township, or upon issuance of a building permit, whichever occurs first; or

b) Phased in accordance with construction phases if so approved by the Township.

Where multi-family or non-residential structures exist prior to the installation of the water mains, payment must be made:

a) In full within thirty (30) days after the notification that service is available.

b) Prior to the connection if the connection is made within the thirty (30) day limit.

When multi-family or non-residential structures are built after the water main is available for service, payment must be made:

a) Within six (6) months of the approval of the application for water service by the Township, or upon issuance of a building permit, whichever occurs first.

A change in use shall require the submission of Form D-4, Change in Use, and shall require the payment of an additional connection fee, when the connection fee for the resulting use is higher than the connection fee for the prior use at the time of change in use. The amount of the connection fee will be the connection fee for the resulting use, less the connection fee paid or chargeable for the prior use of the property.

3B.5 Liens; Rights and Remedies; Enforcement

In the event that charges to connect to the water system or annual service charge with regard to any parcel of real property owned by any person, corporation, or other entity other than the State or any agency or subdivision thereof shall not be paid as and when due as hereinabove stated, the unpaid balance thereof and all interest accruing thereon, shall be a lien on such parcel, and all such liens shall become enforceable with and as any other municipal lien on real property in the municipality in addition to the other remedies of civil suit or foreclosure or any other remedies which may be available and provided by and under the Laws and Statutes of the State of New Jersey in such case made and provided.

In the event that charges to connect to the water system or any service charge of the Township with regard to any parcel of real property shall not be paid as and when due, the Township may enter upon such parcel and cause the connections thereof to be cut and shut-off until such service charge and any subsequent service charge with regard to such parcel and all interest accrued thereon, together with re-connection fee shall be fully paid to the Township, and/or may avail itself of any and all other remedies which may be available and provided by and under the Laws and Statutes of the State of New Jersey in such case made and provided. The re-connection fee shall be in the amount of all labor, materials and administrative costs incurred by the Township. The minimum re-connection fee shall be in accordance with the current Fee Schedule.

All rights and remedies provided in these Rules and Regulations and in any amendments or modifications hereof and supplements hereto for the collection and enforcement of rates and service charges, initial service charges, connection fees or tapping fees, rents, and rates, and all other fees and charges shall be cumulative and concurrent with and in addition to those provided and authorized in and by the Laws and Statutes of the State of New Jersey in each such case and provided.

3B.6 Miscellaneous Charges

Check Processing Fee - If a check used as payment is returned by the bank for any reason, a fee will be charged against the account in accordance with the general Township check charge.

3B.7 Other Rates and Deposits for Escrow

When any application shall be made to the Township of Allamuchy other than those applications specifically provided for herein, there shall be deposited with the Township an escrow fund which shall be utilized for purposes of reimbursing the Township for all expenses of professional personnel incurred and paid by the Township for the review process of an application for development before the Township, such as, but not limited to:

1. Charges for reviews by professional personnel of applications, plans and accompanying documents;

2. Issuance of reports by professional personnel to the municipal agency setting forth recommendations resulting from the review of any documents submitted by the applicant;

3. Charges for any telephone conference or meeting requested or initiated by the applicant, his attorney or any of his experts or representatives;

4. Review of additional documents submitted by the applicant and issuance of reports relating thereto;

5. Review or preparation of easements, developer's agreements, deeds, approval resolutions, or the like;

6. Preparation for and attendance at all meetings by professionals serving the Township, such as the Attorney, Engineer and Planner, or other experts as required;

7. The cost of expert advice or testimony obtained by the municipal agency for the purpose of corroborating testimony of applicant's experts; and

8. All costs associated with a court reporter, if desired by the applicant, including but not limited to, transcribing and furnishing a transcript.

The escrow account deposits shall be placed in a separate account by the Township Treasurer/Chief Financial Officer at the direction of the Administrative Officer and an accounting shall be kept of each applicant's deposit.

4. All professional charges shall be paid from the account and charged to the applicant;

2. Any monies not expended for professional services will be returned to the applicant within ninety (90) days upon written request by the applicant and as authorized by the Township Council.

3. If, at any time during the review procedure, fifty percent (50%) of the monies posted shall have been expended, the applicant shall be required to post such additional sum as may be required by the Administrative Officer to cover professional costs;

4. The applicant shall not be entitled to proceed with the application or any development until such time as the necessary monies have been posted to guarantee payment of professional service fees;

5. All payments charged to the deposit shall be pursuant to vouchers from the professionals stating the hours spent, the hourly rate and the expenses incurred;

6. Upon written request by the applicant at any time, the Administrative Officer shall forward to the applicant immediately upon receipt a copy of the voucher for professional charges against the applicant's escrow account deposit. The applicant may request through the Administrative Officer a written accounting of the charges in the voucher from the professional where such charges are high or the scope of work performed is not clearly defined. The applicant shall thereafter have the opportunity to appear before the Township to state his objections or questions relative to the charges during the public portion of any regularly scheduled Township Council meeting.

7. No professional submitting charges to the Township for any review of an application for development shall charge for such services at any higher rate or in any different manner than would normally be charged to the Township for similar work; and

8. The Township shall render a written final accounting to the developer on the uses to which the deposit was put and, thereafter, the Township shall, upon written request, provide copies of the vouchers to the developer.

Each applicant shall agree to pay all reasonable costs for professional review of the application. All such costs for review must be paid before any approved plat, plan or deed is signed and before any construction permit, and/or other permit is issued.

The applicant is also responsible for depositing monies into escrow in accordance with the schedules to reimburse the Township for all expenses of professional personnel incurred to inspect the installation of improvements to ensure satisfactory completion. The developer shall deposit with the Township Treasurer/Chief Financial Officer inspection fees in the amount not to exceed, except for extraordinary circumstances, the greater of five hundred dollars ($500) or five percent (5%) of the cost of the improvements as determined by the Township Engineer in accordance with the Rules and Regulations, provided that:

1. For those developments for which the reasonable anticipated inspection fees are less than ten thousand dollars ($10,000), the fees may, at the option of the developer, be paid in two (2) installments. The initial amount deposited by the developer shall be fifty percent (50%) of the reasonably anticipated fees. When the balance of deposit drops to ten percent (10%) of the reasonably anticipated fees because the amount deposited by the developer has been reduced by the amount paid to the Township Engineer and/or other professionals for the inspection(s), the developer shall deposit the remaining fifty percent (50%) of the anticipated inspection fees.

2. For those developments for which the reasonable anticipated inspection fees are ten thousand dollars ($10,000) or greater, the fees may, at the option of the developer, be paid in four (4) installments. The initial amount deposited by the developer shall be twenty-five percent (25%) of the reasonably anticipated fees. When the balance of deposit drops to ten percent (10%) of the reasonably anticipated fees because the amount deposited by the developer has been reduced by the amount paid to the Township Engineer and/or other professionals for the inspection(s), the developer shall make additional deposits of twenty-five percent (25%) of the anticipated inspection fees.

   The inspection escrow shall be deposited by the Township Treasurer/Chief Financial Officer or his/her designee, in an account for such purposes under the sole control of the Township. Said inspection escrows may be commingled with similar escrows from other developers, but accurate accounts and records shall be kept so as to identify the particular escrows and charges made against the same. The inspection escrow funds shall be used solely for payment of inspection fees, expenses and costs on behalf of the Township during the course of construction by the Township Engineer, or such other officials as designated by the Township, including but not limited to the Township Planner or the Township Attorney.

   The Township Engineer shall not perform any inspection if insufficient funds to pay for their inspections are not on deposit. Upon certification by the Township Clerk or his designee that the inspection escrow account funds have been expended and that reasonable inspection costs and expenses remain, the developer shall be required to deposit such additional inspection fees in the inspection escrow account as may be reasonably required to complete the balance of the inspection during the course of construction. Failure to post and maintain the current balances of the inspection escrow pursuant hereto will subject the developer to a "stop-work" order and/or suspension of construction permits

3B.8 Minimum Annual Charges and Initial Connection Charges

The calculation of minimum service units for each connected property shall be based on the following schedule (see current "Water Service Charges Schedule" and "Connection Charge Schedule" for full charges):

		Minimum Service Units for Annual Charge Purposes	Minimum Service Units for Initial Connection Charge Purposes
A.	Single Family Home	1.00	1.00
B.	Multi-Unit Housing (including apartment, hotel/motels, townhouses, trailer stalls, dormitories, condominiums, etc.)		
	a) For each apartment in a multi-family dwelling	1.00	1.00
	b) For each house trailer	1.00	1.00
	c) For each separate hotel/ motel type room, without kitchen	0.50	0.50
	d) For each efficiency hotel/ motel or rooming house unit	1.00	1.00
C.	Schools		
	a) For each classroom	1.00	1.00
D.	Commercial	*	**

* Minimum one (1) unit, plus total actual annual metered water usage greater than 100,000 gallons divided by 100,000 gallons.

** Minimum one (1) unit, plus total estimated annual water usage greater than 100,000 gallons divided by 100,000 gallons.

General Notes Regarding Water Service Charge

1. Interest will be charged on delinquent accounts at the maximum rate permitted by statute.

2. Charges for new installations, connections, inspections, etc., will be made on the basis of actual cost to the Township.

3. Charges are levied in advance of service.

4. Mixed use and multi-occupant properties shall be charged service charges and connection charges per unit based on each separate use.

SECTION 4 - BILLING, PAYMENTS, DELINQUENCIES, ETC.

4.1 Rendering of Bills for Water Service

a) A bill for water services will be rendered on a monthly basis.

b) Water service charges for each new unit will be initiated upon connection to water system.

4.2 Delinquent and Disputed Accounts

Any bill unpaid thirty (30) days after the due date shall be classified as delinquent and shall be charged at the maximum statutory interest rate per month calculated from the original due date. Any bill unpaid forty-five (45) days after presentation shall be subject to discontinuance of service after not less than five (5) days written notice.

If service is discontinued for non-payment of the account, it will not be restored until the "turn-on-fee" (payable in cash), plus all unpaid charges and interest are paid or satisfactory arrangements have been made for payment. (See Rate Schedule).

If the check used for payment is returned by the bank for any reason, a processing fee will be charged against the account. (See Rate Schedule).

Any unpaid balance of service charges and interest thereon shall be a lien against the property and action shall be initiated pursuant to the procedures specified under N.J.S.A. 40:14A-1 et seq.

Notice of delinquent charges shall be given to Township officials periodically and shall be given annually to the Tax Collector of Allamuchy thirty (30) days prior to the Township posting notice of tax sale.

4.3 Discontinuance of Service

Service may, at the sole discretion of the Township, be discontinued for any of the following reasons:

(a) Misrepresentation in application.

(b) Waste of water through improper or imperfect pipes, fixtures, or otherwise.

(c) Use of water for any other property or purpose than that described in the application.

(d) Tampering with any water service pipe, or any other appliance of the Township.

(e) Non-payment of any charge accruing under the application.

(f) Refusal of reasonable access to the property for purposes of inspecting, reading, repairing, or removing meters and/or plumbing.

(g) Making, or refusing to sever any cross connection between a pipe or fixture furnished by the Township and a pipe or fixture from any other source.

(h) Non-payment of bills within time prescribed.

(i) Violation of any rules of the Township.

4.4 Renewal of Service

Service will be renewed when the conditions under which such service was disconnected are corrected and upon payment of all accrued charges provided in the schedule of rates or rules of the Township.

4.5 Continuing Obligation to Pay Service Charge

Upon the connection to a main for an improved and usable property, the obligation to pay the monthly service charge continues despite the failure to occupy the property or to use the water facilities, so long as the building or structure on the property is still available for use and the water facilities remain available.

Without written notice, it shall be assumed that connections are or may be active, thereby requiring water service. Charges will therefore continue until written notice of discontinuance.

4.6 Form of Payment

Form of payment may be by check, US currency or money order. The Township reserves the right to refuse payment rendered in significant amounts of coin. For any property on tax title lien, or any account where a check was returned by the bank, payment must be in certified check, money order, or US currency.

4.7 Disconnection of Water Facilities

In the event that a house connection or building service will be permanently discontinued, the Township shall be notified in writing that the service billing will be terminated. The property owner must file Form D-5 for Disconnection of Water Facilities, and the water service shall be disconnected and plugged by the property owner in a manner subject to the approval of the Township, with all costs of review and field observation incurred by the Township being borne by the property owner.

SECTION 5 - RESPONSIBILITY FOR SERVICE

5.1 Reasonable Access

The properly identified authorized agents of the Township shall have the right of access to the premises served, at all reasonable hours, for the purpose of reading meters, collecting samples, examining fixtures and pipes, observing the manner of use, and for any other purpose which is proper and necessary in the conduct of the Township's business.

5.2 No Oral Agreements

No agent or employee of the Township has authorization to orally bind the Township by any promise, agreement or representation not provided for in these Rules and Regulations.

5.3 Damage and Repairs

Whenever any person(s), firm(s), partnership(s), corporation(s), or any combination thereof causes or has caused any damage to the water system or facilities of the Township, the party or parties causing such damage shall immediately notify the Township of such damage. The Township shall have the right to repair such damage or have such damage repaired, and shall have the further right to recover the full cost and expense of such repairs, including but not limited to the costs for work performed by Township employees, for materials, supplies and equipment used for each repair, from the party or parties causing such damage jointly or separately.

5.4 Mandatory Water Connection

The owner of any house, building or structure located on a street along the line of any water main which is now in operation or is constructed in the future in the Township of Allamuchy water service area, shall connect the water system in his house, building or structure to the Township water system. Any owner of a building or structure who fails to connect to the water system after written notification by the Township of the availability of service, shall be subject to the penalties and remedies of the Township Ordinance.

SECTION 6 - TAMPERING WITH SYSTEM

6.1 Tampering With System

No person(s) shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance or equipment which is part of the Township water system facilities. No person shall enter upon any property of the Township without the express permission of the Township.

Any violations will be subject to prosecution in municipal court with a maximum penalty of $1,000 fine and/or six (6) month imprisonment. These penalties are in addition to any other penalties and/or fines that may be assessed for violation of these Rules and Regulations.

SECTION 7 - INDIVIDUAL SERVICES

7A. INDIVIDUAL CONNECTIONS AND SERVICES LINES

7A.1 Types of Individual Connections and Services

Following are the types of individual connections anticipated within the Township's system:

(a) Resumption of service through an existing building water service and house connection (including change of ownership or type of service).

(b) Installation of a new building water service from a structure to an existing house connection on the Township's system.

(c) A new building water service and a new house connection tapping into the Township's system.

7A.2 Permits and Applications (Form D-1 through D-5)

All single-family residential domestic connections to the Township's system, whether using existing or new facilities, must submit Form D-1, "Application for Single-Family Residential Water Service to the Township of Allamuchy Water System."

For all multi-family residential, commercial, and industrial domestic connections to the Township's system, whether for existing or new facilities, an application must be submitted on Form D-2, entitled "Application for Multi-Family, Commercial, and Industrial Domestic Water Service", together with detailed plumbing plans and supporting data as may be required by the Township Engineer.

For all process, industrial, other non-domestic and fire protection system connections, whether for existing or new facilities, an application must be submitted on Form D-3, entitled "Application and Agreement for All Non-Domestic and Fire Water Services," together with detailed plans and supporting data as may be required by the Township Engineer.

Applications must be signed by the property owner and the customer requesting service, with both parties accepting financial and legal responsibility for the connection and its use. The accepted application will constitute a contract between the Township and the Applicant(s), obligating the Applicant(s) to pay the Township's established rates, and to comply with the Township's Rules and Regulations.

All applications must receive the approval of the Township before the installation is started. All installations must be inspected and receive the approval of the Township before service is furnished.

An "Application for Change of Use of Existing Water Service," Form D-4, must be made upon any change in service from that described in the original application or upon any change in ownership of a commercial or industrial property. The new customer shall be responsible for making application for approval by the Township, before water service is received or continued. There will be no charge for filing applications for change in type of service, unless special review or analysis is required.

Applications for new construction shall be accompanied by two sets of plans prepared by a licensed plumber, architect or engineer, showing the proposed line from the structure to the Township main or the location of the existing line to be used. Plans must include building floor elevation (USGS Datum). Upon completion of installation a certified As-Built Plan of the water service shall be provided to the Township.

The applicant must obtain and file permits for openings in State, County, Township and private roads and easements as required. The applicant must pay all fees, provide bonds or deposits, insurance and meet all traffic and safety requirements.

No applications for service will be accepted by the Township until the applicant has paid, or made satisfactory arrangements to pay, all arrears or charges at the subject premises, or due by the applicant at any premises now or heretofore occupied by him.

Application for new service connections will be accepted subject to there being existing mains in streets or right-of-way abutting the premises to be served, and subject to there being sufficient capacity available.

When a property owner has made application for a new service, or has applied for the reinstatement of an existing service, it shall be presumed that the piping and fixtures on the applicant's premises are in good condition. The Township will not be liable, in any event, for any accident, breaks, or leakage arising in any way in connection with the pipes or fixtures of the customer, nor for any damage to the property which may result from the usage thereof.

Building water service piping is under the jurisdiction of the Township and the Township Plumbing Inspector. Written approval of the Plumbing Inspector or a Certificate of Occupancy will be required before the Township will accept connection to its mains.

An "Application for Disconnection of Water Service", Form D-5, must be filed prior to disconnection. (See also Section 4.7).

7A.3 Township Responsibility

New connections to existing water mains will be at the expense of the Applicant, including tapping (if approved by the Township), fittings, pipe, labor and related materials. Such new connections will become the property of the Township to the property line or easement line. The customer/property owner will be responsible for maintenance of the connection from the water main to the property line after installation, and after inspection and approval by a representative of the Township together with the Township Plumbing Inspector.

7A.4 Size and Kind of Building Service or House Connection

The Township reserves the right to determine the size and kind of service connection from the main to the property line or easement line, from the property line to the structure to be served, or from the main in the right-of-way to the structure to be served. The materials, location and installation procedures shall conform to the latest "Specifications for Water System Construction" on file at the Township office, or to the requirements of the Township's Engineer. A curb stop is required behind the curb or at an approved location on each house connection, as per standard Township details.

That portion of the building service, house connection and curb stop installed and maintained by the owner shall be installed in accordance with the Township Plumbing Code and the Township specifications, and shall be inspected and approved by the Township Plumbing Inspector and the Department Inspector prior to backfilling the trench. Any construction not approved shall be immediately removed and reconstructed in an approved manner.

7A.5 Building Service Connection Location

No building service connection shall be laid within five (5) feet of any gas pipe, sewer lateral or any other facility of any public utility company, nor within five (5) feet of any open excavation, vault or meter pit; nor shall the location be under any sidewalk or driveway unless approved by the Township Engineer. All building service connections shall be installed within the limits of the customer's property and a minimum of three (3) feet from any property line(s) or building walls. Landscaping shall be located so as to minimize root obstruction, and in no event shall trees be placed within five (5) feet of any building service connection.

Installation of building service connection shall be in accordance with all applicable local, State and Federal requirements and regulations.

7A.6 Maintenance by Customer

All house connections, building services, meters and fixtures furnished by the customer or the Township shall be maintained by the customer in good order, and all piping and connections furnished and owned by the Township and on the property of the customer shall be protected properly and cared for by the customer. All leaks in the building service, house connection, or other pipe or fixture in or upon the premises served must be repaired immediately by the owner or occupant of the premises. The customer shall be responsible for notifying the Township of the party engaged by said customer to do any maintenance work on the customer's building service or house connection, prior to work being commenced, and said party shall not backfill any trench until the work has been inspected and approved by the Township's representative. Any work not acceptable shall be immediately removed and replaced by work which is acceptable.

The Township shall in no way be responsible for maintaining any portion of the building service or house connection owned by the customer, or for damage done by water escaping therefrom; or for lines or fixtures on the customer's property; and the customer shall at all times comply with the applicable municipal regulations with respect thereto, and make changes therein, required by relocation of mains or otherwise.

7A.8 Prohibited Connections

Under no circumstances may any of the following be directly connected to the water service, without proper and approved backflow protection.

(a) Process water system.

(b) Fire sprinkler/suppression system.

(c) Irrigation system.

(d) Private well system.

(e) Swimming pool or spa.

7A.9 Property Served by Single Building Water Service Connection

A building water service connection from the curb, easement line or right-of-way line to a property, shall not serve more than one building unless otherwise approved. Upon proper application of the owner, a property may be served by two or more water service connections, each of which, for billing purposes, may be considered as being one customer account.

7A.10 Single Building Service with Two or More Customers

Where two or more customers are now served through a single building water service connection, when any violation of the Rules and Regulations of the Township occurs, with respect to either, customer, and said violation is not corrected after reasonable notice, the Township may take such action as may be taken for a single customer. However, such action will not be taken until a customer who has not violated the Township's Rules and Regulations has been given a reasonable opportunity to connect his pipe to a separately controlled building water service connection.

7A.11 Policy on Blockages and Repairs

Following is the policy of the Township with regard to procedures for repairs of building service and house connections to the Township's system due to a stoppage or failure.

A. If the problem is found to exist between the property line or easement line and the house or building, then the property owner shall be responsible for proceeding with all necessary corrective work.

B. If the problem is found to exist between the property line or easement line and the water main, the Township shall perform all necessary corrective work.

If the work is performed by the Township and it is found that the problem has been caused by the customer/property owner, then all costs must be borne by the property owner, including the costs of labor of any Township personnel or contractors and costs of equipment and materials provided by the Township or contractors, and shall be paid promptly by the property owner to the Township. If not paid promptly, the amount of said costs shall be added to the next water bill submitted to the property owner.

Under no circumstances shall the Township be responsible for damage to furnishings or house or building interiors.

7A.12 Unauthorized Connection

No person(s) shall uncover, make any connections with or opening into, use, alter, or disturb any public water main, service connection or appurtenance thereof without first obtaining a written permit from the Township.

7B. DOMESTIC SERVICE

7B.1 Single-Family Residential

For new single-family residential units prior to the start of construction the owner shall be required to obtain approval from the Township Plumbing Inspector and from the Department for water service.

After the transfer of title, but prior to occupancy for existing single-family units, the new owner shall be required to notify and make application to the Department for water service.

In each case the owner shall be required to submit completed application Form D-1, entitled "Application for Single-Family Residential Domestic Water Service," together with all necessary fees and supporting documentation.

Any and all construction work requiring supervision by Township personnel must be performed in conformance with applicable OSHA, PEOSHA, Confined Space Entry Regulations, and all other applicable Federal, State and Township regulations concerning job and employee safety. Township personnel will not participate at any job site where the above-noted regulations are not adhered to.

7B.2 Multi-Family, Commercial and Industrial (Domestic only)

A. General Requirements

Multi-family, industrial and commercial establishments making application for initial domestic water service, or making additions or changes to existing domestic water service or use, in addition to making written application for such service, shall furnish a detailed description of the type and size of buildings, and nature of the business to be conducted in each structure, the number and type of fixtures to be served, the average day, maximum day and peak water usage, and such other information as may be required. Such application shall also furnish the Township four (4) copies of 24" X 36" or 36" X 42" plans showing at a scale, no less than 1" = 100', the following:

(a) The boundaries of the property.

(b) The location within the property of the structures to be served.

(c) The location and profile (with respect to finished grade) of the services.

(d) Details of the proposed connections to the water system and arrangement and details of the water meter installation should meters be required. Specific details and exact location of meter shall be determined by the Township.

Any and all construction work requiring supervision of Township personnel must be performed in conformance with applicable OSHA, PEOSHA, Confined Space Entry Regulations, and all other applicable Federal, State, and Township regulations concerning job and employee safety. Township personnel will not participate at any job site where the above-noted regulations are not adhered to.

B. Applications and Fees

For a connection from a multi-family residential, commercial, or industrial property where the water is for domestic use only, the applicant shall submit complete data along with a completed Application for Multi-Family, Commercial, and Industrial Domestic Water Service, Form D-2.

Applicant shall deposit with the Township a filing fee, review fees, and inspection fees, as described in the Rates section of these regulations.

C. Prohibited Connections

Under no circumstances may any of the following be directly connected to the water service, without proper and approved backflow protection.

(a) Process water system. (Also requires Application and Agreement Form D-3, Section 7C).

(b) Fire sprinkler/suppression system. (Also requires Application and Agreement Form D-3, Section 7C).

(c) Irrigation system.

(d) Private well system.

(e) Swimming pool or spa.

D. Penalties

In the event that any multi-family, industrial, or commercial user fails to conform to these regulations, which failure causes damage or incurs cost of any sort to the Township or Township's employees, the Township shall determine the extent of the damage and/or cost and bill the industry accordingly. If such bill is not paid within ten (10) calendar days from the date of the bill, legal action may be instituted to enforce collection, and the Township may resort to termination of the connection after giving twenty-four (24) hours notice.

In the event of imminent hazard to the system or personnel, or violations of the Clean Water Enforcement Act (Chaper 28, P.L. 1990), the Township reserves the right to terminate service immeidately, and to substantiate the action within five (5) days thereafter.

E. Industrial Water Flowmeter

The customer shall furnish, install and maintain flowmeter(s) larger than 2" in diameter of the totalized-indicator-recorder type. The flowmeter(s) must be approved by the Township, but the cost of said equipment and installatoin is to be borne by the industry. All costs of furnishing, installing and maintaining the industrial flow metering equipment will be borne by the industry and the equipment shall be readily accessible to the Township personnel.

7C. NON-DOMESTIC AND FIRE SERVICE

7C.1 General Requirements

Multi-family residential, industrial, and commercial establishments making application for initial non-domestic or fire water service, or making additions or changes to existing non-domestic or fire water service or use, in addition to making written application for such service, shall furnish a detailed description of the type and size of buildings, and nature of the business to be conducted in each structure, the number and type of fixtures to be served, the average day, maximum day and peak water usage, and such other information as may be required. Such applications shall also furnish the Township four (4) copies of 24" X 36" or 36" X 42" plans showing at a scale, no less than 1" = 100', the following:

(a) The boundaries of the property.

(b) The location within the property of the structures to be served.

(c) The location and profile, (with respect to finished grade) of the services.

(d) Details of the proposed connections to the water system, and arrangement and details of the water meter installation should meters be required. Specific details and exact location of meter shall be determined by the Township.

Any and all construction work requiring supervision of Township personnel must be performed in conformance with applicable OSHA, PEOSHA, Confined Space Entry Regulations, and all other applicable Federal, State and Township regulations concerning job and employee safety. Township personnel will not participate at any job site where the above-noted regulations are not adhered to.

7C.2 Agreement Required

The Township will provide non-domestic or fire water service upon execution of a formal, written agreement, and under and subject to the provisions appearing in said agreement, and the rules stated hereinafter. The agreement will set out in detail the requirements of service, the flow conditions which shall govern, the conditions and costs with respect to the physical connection or connections, and the annual service charges. The form of Agreement is as contained herein under Appendix "A". It will be the policy of the Township to consider each application on its merits, and to establish specific conditions applicable to the particular situation, for each agreement. No connection shall be made prior to execution of the agreement.

7C.3 Non-Domestic and Fire Water Connection Applications and Fees

For all multi-family residential, commercial, industrial or fire water service connection, involving any non-potable use, the applicant shall submit complete data in accordance with Section 7C.1 along with a completed Application and Agreement for All Non-Domestic and Fire Water Service, Form D-3.

Applicant shall deposit with the Township a filing fee, review fees, and inspection fees, as described in the Rates section of these regulations.

7C.4 Prohibited Connections

Under no circumstances may any of the following be directly connected to the water service, without proper and approved backflow protection.

(a) Process water system.

(b) Fire sprinkler/suppression system.

(c) Irrigation system.

(d) Private well system.

(e) Swimming pool or spa.

7C.5 Penalties

In the event that any multi-family residential, industrial or commercial user fails to conform to these regulations, or fails to comply with the terms and conditions of their agreement with the Township, which failure causes damage or incurs cost of any sort to the Township or Township's employees, the Township shall determine the extent of the damage and/or cost and bill the industry accordingly. If such bill is not paid within ten (10) calendar days from the date of the bill, legal action may be instituted to enforce collection, and the Township may resort to termination of the connection after giving twenty-four (24) hours notice.

The Township reserves the right to cancel the agreement, upon one year's written notice, in the event of repeated failure to comply with the terms of the agreement, or the Rates, Rules and Regulations of the Township. In the event of imminent hazard to the system or personnel, or violations of the Clean Water Enforcement Act (Chapter 28, P.L. 1990) the Township reserves the right to terminate service immediately, and to substantiate the action within five (5) days thereafter.

7C.6 Industrial Water Flowmeter

The industry shall furnish, install and maintain flowmeter(s) larger than 2" in diameter of the totalized-indicator-recorder type. The flowmeter(s) must be approved by the Township, but the cost of said equipment and installation is to be borne by the industry. All costs of furnishing, installing and maintaining the industrial flow metering equipment will be borne by the industry and the equipment shall be readily accessible to Township personnel.

7C.7 Industrial Water Rates

Service charges for industrial and fire water shall be as shown in the section on rates.

SECTION 8 - WATER MAIN EXTENSIONS

8.1 General Provisions

Persons proposing subdivisions or developments requiring a main extension for water service shall prepare applications described in this section with the necessary supporting documents. The policy of the Township is to permit extensions only when paid for and installed by the applicant. No facilities for supply, treatment, storage, transmission or distribution of water within the service area of the Township shall be constructed unless the Township shall give its consent and the Township Engineer shall approve Construction plans and specifications therefore.

It is the policy of the Township to charge connection fees for connection to its water system following the rates set forth in the Township's Rate Schedule. The connection fee is charged per Service Unit.

Unless otherwise approved where locations do not front on a street or easement with a water main, residential subdivisions containing three or more building sites or lots or any residential structure to be used by three or more families, regardless of volume of flow, and all non-residential developments such as schools, commercial buildings, industrial buildings and other structures will be required to install a water system to be connected with the nearest existing water mains in the Township.

For residential subdivisions not fronting on a street or easement with a water main and containing two or less building sites or lots, or if the lands are deemed by the Township to be too remote from any existing facilities, consideration will be given to an individual well or approved alternative in lieu of connection to existing facilities.

Any main extension and related facilities installed under the provisions of this section, or easement required for the purpose, shall be transferred to the Township as hereinafter described.

During construction but before final acceptance, the Township shall have the right to use any completed portion of the system without waiving its right to further inspection or testing or to order correction of any defects provided the Township does not unreasonably delay inspection, testing and acceptance of that portion of the system.

Use of the water system for any unauthorized or unapproved use(s) shall not be permitted.

Easements will be required for water mains and other facilities not located within an existing public right-of-way. The width of such easements will be determined by the Township, depending on the size and depth of main or other facilities to be located in the easement. Easements must be extended to the nearest adjacent property if future service will be required.

Easement documents must be in a form acceptable to the Township, and must incorporate the following language:

> No fill, material, machinery, appliances, or similar objects may be placed on the said premises which will impose an additional loading in excess of 100 lbs. per square inch (100 lbs./sq. inch) without the prior written approval of the Township. Provided, however, that nothing contained herein shall be deemed to limit the ability of grantors to use the land over the easement for the storage of vehicles.

8.2 Applications - General

A sequence of applications for water main extensions are required for the Township's determination of needs, availability of service, effect of proposed extension, and inspection requirements for the installed extension. Application forms are available from the Township. No application will be considered unless a Professional Engineer registered in the State of New Jersey is in charge of the planning and design of the proposed water main facilities and has affixed his seal and signature to the submissions. Eight (8) original applications shall be submitted with the designated fees to the Township not less than thirty (30) days prior to the Township meeting at which action of the application is desired.

Applications shall be signed by the property owner. If the property owner is a partnership, applications shall be signed by a general partner, or, in the case of a corporation, by an officer of the corporation. The signature of agent, attorney or engineer is not acceptable.

Each application must be accompanied by those fees, deposits and guarantees described herein, or in the section of Fees and Charges. All fees accompanying applications shall be cash, certified check or acceptable other draft at the option of the Township. (For standard applications, see Appendix "A").

The review and inspection fees shall be placed in an escrow fund, with interest as required by law, from which expenses will be paid by voucher (see Section 3B.7). If so required by the Township, additional deposits shall be made by the applicant to meet expenses.

Where deposits or guarantees are based on estimated construction costs, a submission shall be made by the Applicant's engineer and verified by the Township's engineer. The approved construction cost shall be based on the estimated period of construction and shall include all on-site, off-site, and off-tract work; and for bonding purposes a 20% contingency allowance will be added.

Inspection work by the Township, its employees, engineer or agents is intended only to review compliance of the work with the approved design documents. Such inspections (or lack of inspec-tions) are not intended to review safety precautions, adherence to State or Federal regulations, or hazards to the public, contractor employees, or third parties. Each applicant assumes full responsibility for damages or injuries caused on its work sites, and agrees to indemnify and provide separate defense for the Township and representatives against all actions or claims.

Where off-tract facilities are involved, the following policies shall prevail:

A. The Developer is considered responsible for providing off-tract facilities to provide capacity for his development.

B. The design of off-tract facilities is to be undertaken by the Developer, and shall be subject to design standards established by the Township and subject to review of the Engineer and approval of the Township. The off-tract design is based upon the total community needs, rather than capacity for the development alone. The design parameters shall be provided to the Developer by the Township.

C. Where the Township requires additional capacity for areas outside of the development, the Township will assume the additional cost for increase in facilities size to service such areas.

D. Off-tract facilities shall be installed by the Developer, and shall be subject to design standards established by the Township and subject to review of the Engineer and approval of the Township. The Developer's share of the costs must be available to finance the initial construction (i.e. the Township shall not be required to finance the Developer's share) unless specific alternate arrangements are approved by the Township.

E. The Township's share of off-tract facilities may be credited against connection fees. If the Township's share exceeds the total of all connection fees, a lump sum payment may be made toward the cost.

F. All approved and accepted on-site and off-tract facilities installed by the Developer shall be transferred to the Township, where they lie in public rights of way or easements. Said transfer of facilities must take place prior to the release of performance guarantees.

8.3 Application for Conceptual Review - Form A

An application describing the proposed residential*, commercial, or industrial development, or other project, shall be submitted to the Township with supporting data to determine the economic and technical feasibility of extending water service. This application shall be submitted concurrent with filing of conceptual subdivision or site plan application with the Allamuchy Planning Board or Zoning Board. The Township may defer or waive certain parts of this supporting data at its discretion where the cost of data preparation is excessive for the development or project planning and approvals. Approval of this application shall extend for a period not to exceed one year from date of approval, unless a Township Application for Construction of Water Facilities (Form C) has been submitted.

In addition to the application, the Applicant shall furnish eight (8) copies of a general location plan (min. scale 1" = 100') showing streams, streets, lots, blocks, and tax map numbers; the location of any existing water distribution and/or sanitary systems in the area; the proposed system outline and route of construction; the estimated quality and volume of flow; and a copy of the application submitted to either the Planning Board or Zoning Board. Elevations shall be based on mean sea level datum.

The Township shall analyze the submitted applications and supporting data and report to the Applicant the Township's recommendations and/or findings. These findings may be furnished to the Township Planning or Zoning Board as support material.

If the Township determines that portions of the existing system do not have sufficient capacity to accommodate flows from the proposed development, then the Township may require payment for, or the construction of, supplementary off-tract facilities to accommodate the additional flow.

*Applies to three (3) or more residential units.

8.4 Application for Authorization to Construct - Form B

This application shall be submitted following preliminary approval of the Allamuchy Planning Board or Zoning Board, copy of which shall accompany this application.

An application and supporting data specifying the engineering details of the proposed project will be analyzed for compliance with Township engineering standards including provisions for orderly growth.

This form is filed after approval of Form A on all applica-tions, and must be submitted within twelve (12) months after conceptual review approval or reapplication for conceptual approval will be required. The applicant shall specify whether phased construction is intended.

This application shall be accompanied by eight (8) copies of the Engineer's Report, construction cost estimate, drawings (horizontal scale 1" = 30'), specifications, manufac-turers' data, and other material needed to permit a detailed engineering review. The Engineer's Report shall clearly define the design criteria used in connection with population, flow, layout, water system design, equipment selection, etc. All drawings submitted shall be the latest drawings approved by the Township and shall be kept current. Final drawings filed by the applicant shall include notations as to the transfer of easements and water system facilities similar to the notations required under Section 8.9. The drawings shall include finished floor grades which are necessary to assure that no new fixture is installed above the street elevation to which adequate pressure can be provided.

The application and supporting data will be reviewed by the Township to determine compliance with the Township's Rules and Regulations, applicable statutes, and projected growth patterns. Approval of this application, with conditions set by the Township, shall be a mutual agreement between the applicant and the Township regarding the terms and conditions for providing water service, including the construction or financing of off-tract facilities considered necessary by the Township.

The Township shall approve or disapprove an application within sixty (60) days of the application being deemed complete.

The applicant shall pay all permit and application fees to the Township (see Appendix "B" for Fee Schedule), as well as applicable fees to New Jersey Department of Environmental Protection (NJDEP) for permits to construct water mains and/or other structures within flood plains, wetlands and the right-of-way limits of State, County, Municipal and private roads and all railroads, and all other permits must be secured by and paid for by the Applicant. In addition, the Applicant shall prepare all applications and submit all data required by the current Rules and Regulations of the NJDEP, including:

(a) NJDEP Form CP-#1, with engineer's signature and seal where designated, 3 copies.

(b) NJDEP Form WQM-006, Engineer's Report, signed and sealed, 3 copies.

(c) Endorsements.

(d) Township of Allamuchy Planning or Zoning Board resolution approving the project, 2 copies.

(e) Receipts of notifications to proper agencies, 2 copies.

(f) U.S.G.S. Quad Map, 3 copies.

(g) Final Plans and Profiles, signed and sealed, 6 copies.

(h) Checks for proper applicable fees payable to "Treasurer, State of New Jersey."

The applicant must inform and secure any necessary clearance and/or approval from any public utility involved. Proof of such notice and/or approvals shall be filed with the Township.

Before construction may commence, the Applicant must also furnish the following:

(a) NJDEP approval to construct (if and when applicable).

(b) Performance guarantees and inspection fees, as hereinafter specified.

(c) Insurance certificates, with coverage as hereinafter specified.

(d) Schedule of construction.

(e) Payment for off-tract facilities.

(f) Easements and/or rights-ofway.

Approval of construction by the Township will be void and invalid after one (1) year unless substantial construction has commenced on the approved facilities. Where construction has commenced within the one (1) year period, approval will be automatically renewed for a successive one (1) year period, after which a request must be filed for an extension of time. Should a project not commence substantial construction within the one (1) year period, the application as indicated shall become void and invalid and will require a renewal application to the Township.

A renewal application fee under Appendix "B" shall be charged. Should the application be resubmitted in its previous form, without need for change, the application may then be renewed by the Township without additional review. Should there be any change in the application in site or system condition, or in the Township Rules and Regulations, an entirely new review, with the appropriate fees, may be required. It shall not be necessary for Township to notify an applicant that his time period has expired, that will be the responsibility of the applicant. Application shall be required upon the expiration of any of the above noted time periods.

Capacity in the system will not be reserved unless a) the Township approval is still valid, and b) all connection fees are paid.

8.5 Application for Performance Guarantee Reduction/Release - Form C

Upon satisfactory completion of construction, inspection, and testing, the applicant shall request that the Township approve the installed system (or part thereof).

Ownership, maintenance and operation of the system shall be the responsibility of the Township only after specific written final acceptance is issued by the Township Engineer for all or part of the system. Unless this written final acceptance is issued by the Township Engineer, the ownership, maintenance and operation shall remain the responsibility of the Applicant. However, operation of the system may not commence until a permit for operation is issued by the Township Engineer and, if applicable, notification has been sent to the State Department of Environmental Protection. The applicant will be subject to all and any payments of any fines, levies and/or assessments prior to the final acceptance of the ownership of the system by the Township.

The application shall be accompanied by:

(a) Three (3) copies of as-built plans (as described hereinafter), one of which must be reproducible, prepared and certified by the applicant's engineer and approved by the Township Engineer.

(b) All necessary documents, legal descriptions and plans approved by the Township that will permit the dedication and/or acceptance of all necessary facilities, property and easements that are in inherent and necessary part of the complete project. (Also see Section 8.1).

(c) Proof of payment of all fees and charges required by the Rules and Regulations up to and including this application.

(d) Operating Permit for that portion of water system facilities covered by this application.

(e) Releases from all parties having jurisdiction over any part of the project.

(f) Certified copy of Final Map as recorded with the County Clerk.

(g) A written release from any legitimate complaint on record with the Township (or a suitable Township Engineer or Inspector's report on the complaint).

(h) A signed voucher for release of cash bond.

Upon recommendation of the Township Engineer, a partial reduction in the performance guarantee may be approved by the Township.

A Maintenance Bond as described in Section 8.9 shall be posted upon approval of Performance Bond Release.

8.6 Performance Guarantee and Insurance

A performance guarantee satisfactory in form to the Township, in the amount of at least 120% of the total approved construction cost of that portion of the project covered by the application, shall be furnished with the Application to Construct (Form C). The guarantee shall contain an "evergreen" clause, and shall remain in full force and effect for the duration of construction and until release is approved by the Township. The guarantee shall assure the Township of complete acceptable construction, and shall further guarantee that said construction will be in accordance with the Rules and Regulations of the Township, and the plans,

specifications, Engineer's Report, and cost estimate approved by the Township Engineer. The approved guarantee shall be in the form of a 90% performance guarantee by approved surety and 10% cash or certified check. The amount of the required performance guarantee may be increased for due cause by the Township, including periods of construction extending more than one (1) year. In the event of default or non-performance by a developer, as determined solely by the Township, part or all of the performance guarantee may be applied by the Township to completion of the work.

The applicant prior to the commencement of construction, shall furnish to the Township satisfactory certificates of insurance indicating that the applicant has in force and will maintain in full force and effect for the duration of the construction the following coverages:

(a) Workmen's Compensation Insurance - with limit under Coverage B for Employer's Liability set at $500,000.

(b) Contractor's Comprehensive General Liability Insurance - with limits for personal injury of $2,500,000 including accidental or wrongful death on account of any one occurrence; also limits for property damage of $500,000 on account of any one occurrence and $1,000,000 on account of all occurrences. The "x", "c" and "u" exclusions shall be removed from liability policies.

(c) Motor Vehicle Insurance - with limits as in (b) above.

(d) Subcontractor Insurance - each contractor working on the site, or in connection with this project, must carry identical insurance coverage to that listed herein.

(e) The applicant shall agree to indemnify and save harmless the Township of Allamuchy, its officers, Engineers, agents and servants from and against any loss, resulting from negligence or the fault of the applicant in the case of work covered by the application. Further, the applicant shall also indemnify and save harmless the Township (including costs of providing a defense) against any damage done to other utilities arising out of the applicant's operation.

(f) The expiration date shall be listed for each policy, and certifications should indicate that thirty (30) days notice will be given to the Township of expiration or cancellation of policies.

(g) Insurance certificates must identify the subject project or development by name and Township project number.

Said coverage shall be duly issued by an insurance company authorized to do business in the State of New Jersey. The Township and its Engineer shall be named as an additional insured on the applicant's insurance policy. In cases where the character or nature of the proposed construction are such as to present an unusual hazard or higher than normal risk of damage or injury, the Township may require the provision of increased amounts of liability and property damage insurance.

The contractor, developer and/or builder is totally respon-sible for safety precautions on and off the site for operations relating to a project, and must carry insurance or be personally responsible for personal injury or property damage claims from employees, the public, or third parties. It is the responsibility of the developer that all policies must remain in full force and effect until approved completion of construction, including any final repairs.

8.7 Construction Procedures

No construction may start without "authorization to construct" from the Township, a "permit to construct" from the State Department of Environmental Protection, where required, and a minimum one (1) week's notice to the Township of intention to start work.

During construction, the Township intends to have personnel present on the site to observe the installation of water system facilities. The purpose of such observations will only be to assure an acceptable installation. The Township and its representatives shall have no responsibility for safety practices on the site, and shall incur no liability for injury or damage caused by the contractor's operations. The cost of such observation shall be borne by the applicant.

Work may be rejected for the following reasons:

(a) if it is installed and/or backfilled without observations by Township personnel or representatives;

(b) if it is performed after the Township's authorized agent disapproves the installation procedures and/or materials;

(c) if it fails to pass the testing or other requirements stipulated elsewhere in these regulations; or

(d) if it is not in compliance with the approved construction plans.

Work will be approved only after final observation, testing, corrective work, approval of restoration by the Township and property owners, and written certification by the Township's Engineer.

The Township reserves the right to stop work on the project, if materials, workmanship, or operations are not in conformance with specifications or Township regulations. Failure to stop work may result in the following:

(a) Rejection of all work.

(b) Notification to surety that performance guarantees are being violated.

(c) Notification to Township that issuance of building permits and certificates of occupancy should be withheld or terminated.

(d) Police action if work is being performed in public rights-of-way or in a manner detrimental to the public welfare.

The contractor, builder, subdivider, and all subcontractors must abide by the requirements of the State Construction Safety Code, and the OSHA regulations. Neither the Township nor its engineer or agents are responsible for adherence to such regulations, or for other safety precautions related to the project. (Also see Section 9.4).

If there is any portion of the project left in a hazardous condition, or if reasonable orders issued by the Township or its Engineer are not followed, the Township reserves the right to use the cash portion of the performance guarantees to rectify the condition. Five (5) days written notice of such intention will be issued by the Township to the Applicant and his surety, unless hazards to the public require more urgent action. If the cash funds are inadequate, additional funds must be posted, or the Township may demand action by surety.

8.8 Maintenance Bond

Prior to final release of the performance guarantee the Applicant shall submit a maintenance bond from acceptable surety, in form approved by the Township. The bond shall be in the amount of 15% of the original approved construction cost estimate, and shall extend for two (2) years from the date of the resolution releasing the performance guarantee, and remain in effect until an acceptable final inspection. No partial maintenance bonds will be accepted.

8.9 Design and As-Built Plans

Upon submission for acceptance (Form D), as-built plans shall be submitted to the Township, using the following guidelines and check list:

- Drawing Size: Approx. 24" X 36".
- Name of development and lot and block number in title box, and "As-Built" clearly labeled.
- Horizontal Scale: 1" = 30'.
- Date of As-built Survey and name of surveyor.
- North arrow.
- Profiles.
- Distances.
- All other utilities shown on plan or encountered.
- Hydrant and valve locations.
- Locations of house connections or services.
    - horizontal location, distance from main to curb stop, etc.
    - horizontal location of plugged end relative to two permanent structures.
- Notations as to the finished elevations of building being served.
- Location of pipe in easements (easements labeled).
- Location of valves in easements (tie to existing structures).
- Pipe materials.
    - main - size, material and class (class of pipe).
    - services - size, material and class.
- Certifications.
    - drawings signed and sealed by developer's engineer (P.E. or L.S.)
- Transfer of Ownership of Easements and Water Facilities, using wording:

    > Water system easements shown on this drawings previously dedicated to the Township and all water system facilities installed as shown herein are hereby accepted by the Township of Allamuchy.

- Drawing Materials - mylar or linen reproducibles (one set) and blue-line prints (two sets) upon final acceptance.

SECTION 9 - TECHNICAL DESIGN AND CONSTRUCTION STANDARDS

9.1 State and Township Standards

Water System facilities shall be designed and constructed in strict accordance with the current edition of the New Jersey Department of Environmental Protection "Rules and Regulations", and "Plumbing Code of New Jersey", and the Township's "Specifications for Water Main Construction".

9.2 Special Facilities

Pumping stations, meter chambers, pressure reducing valves, air relief chambers, treatment facilities, storage facilities, and other water system facilities shall be designed and constructed subject to the approval of the Township and based on the specific characteristics of each project.

9.3 Construction Standards

Construction shall meet the specifications under Section 11 for water system construction. Pipe, valves, hydrants, meters, pumping equipment, and appurtenances shall be installed in accordance with manufacturer's recommendations and Township standards. The methods and means of construction shall be employed so as to be in accordance with the highest standards of construction, and so as to produce an end product which is durable and safe. Any questions as to the construction methods used shall be resolved by the Township or the Township's Engineer.

All work shall be open for access by representatives of the Township, who may inspect all construction and reject any non-conforming work or materials. Construction is not deemed complete until after final acceptance, which will not occur until all work is tested and all sites cleaned, final pavement is placed over water main installations, a suitable operating and testing period is completed for pumping, treatment and storage facilities, and a final inspection is made by Township personnel.

The Township or its Engineer may require testing of installations, materials, or equipment, to assure adherence to specifications and standards. Any items that fail such testing shall be repaired or replaced as approved.

Notice shall be provided to all utilities and public safety officials when operating in public rights-of-way. During construction, all public or private utilities shall be properly protected. Any damaged facilities shall be promptly repaired or replaced to the satisfaction of their owners.

9.4 Safety Provisions

IT IS UNDERSTOOD THAT THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. The Contractor shall take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury or loss to all employees on the work and other persons who may be affected thereby.

The Contractor will comply with all applicable laws, ordinances, rules,regulations and orders of any public body having jurisdiction for the safety of persons or property, or to protect them from damage, injury or loss. The Contractor will erect and maintain, as required by the conditions and the progress of the work, all necessary safeguards for safety and protection and in addition he will comply with all applicable recommendations of the Manual of Accident Prevention in Construction of the Associated General Contractors of America, Inc.

If at any time, in the opinion of the Township, the work is not properly safe in respect to public travel, persons on or about the work, or public or private property, the Township shall have the right to order such safeguards to be erected and such precautions to be taken as it deems advisable and the Contractor shall comply with such orders. If, under such circumstances, the Contractor does not or cannot immediately put the same into proper and approved condition, or if the Contractor or his representative is not upon the site so that he can be immediately notified of the insufficiency of safety precautions, then the Township may cause the work to be put into such a condition that the work site shall be, in its opinion, in all respects safe, and the Contractor shall pay all expenses of such labor and materials, as may have been used for this purpose by it. Such actions of the Township, or its failure to take such action, shall in no way relieve the Contractor of the entire responsibility for any cost, loss or damage by any party sustained on account of the insufficiency of the safety precautions taken by him or by the Township acting under authority of this section.

The Contractor shall comply with the Department of Labor Safety and Health regulations for construction promulgated under the Occupational Safety and Health Act of 1970 (PL91-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (PL91-54).

The project shall be subject to all of the Safety and Health Regulations as promulgated by the U.S. Department of Labor on April 17, 1971, and all other pertinent regulations. Contractors are urged to make themselves familiar with the requirements of these regulations.

The Contractor shall comply with the Federal, State and/or Township Confined Space Entry Program, and no Township personnel will be permitted to participate in any work or interact with the Contractor if the Contractor does not have the appropriate equipment in compliance with said statute and with the Township Program.

The Contractor shall keep in his office, ready for immediate use, all articles necessary for giving "First Aid to the Injured". He shall also have standing arrangements for the immediate removal and hospital treatment of any employees or persons who may be injured on or about the work.

Any and all construction work requiring supervision by Township personnel must be performed in conformance with applicable OSHA, PEOSHA, Confined Space Entry Regulations, and all other applicable Federal, State and Township regulations concerning job and employee safety. Township personnel will not participate at any job site where the above-noted regulations are not adhered to.

SECTION 10 - INSPECTION, TESTING AND DISINFECTION OF FACILITIES

10.1 Inspection of Water System Facilities During Construction

All construction of water system facilities shall be under the jurisdiction of the Township, either directly, or through inspectors under the supervision of the Township Engineer.

(a) The Township Engineer and the Applicant's Engineer shall enforce compliance with the approved plans and specifications.

(b) The Township Engineer shall have the work discontinued in the event of non-compliance.

(c) The Applicant shall furnish the name of the occupant, the street address, and lot and block number to the Township at least two (2) weeks prior to a request for the certificate of occupancy from the Construction Code Official to assure that the water system inspection has been accomplished, and all fees have been paid.

(d) No water service connections shall be made to the appropriate street main whether tested or not unless under the supervision and inspection of the representative for the Township.

A valve shall be installed at each connection to an existing main and shall remain closed until permission is received from the Township to open same. This permission will not be granted until each section of the section has been cleaned, disinfected, and flushed, sampled, tested and approved by the Township.

10.2 Testing of Completed System

All pipe lines shall be pressure and leakage tested prior to construction of permanent pavement repair, a minimum of seven (7) days after the last concrete thrust block has been cast if constructed with normal Portland cement. All materials and equipment required for testing shall be supplied by the Contractor.

Hydrostatic testing of ductile iron pipe shall conform to AWWA Standard C-600, Section 13 and AWWA Standard C-603, Section 19, respectively.

The pressure test shall be performed by increasing the hydrostatic pressure to a specified value and maintaining that pressure for a period of one hour. Any pipe, fittings, or valves found defective shall be replaced. Prior to performing the test, all air pockets and bubbles must be eliminated. Hydrostatic test pressure shall be 250 PSI for ductile iron pipe.

The leakage test shall be performed after the pressure test has been satisfactorily completed and shall be accomplished by increasing the hydrostatic pressure to a specified value and maintaining that pressure for a period of two (2) hours. Leakage is the quantity of water that must be supplied into the newly laid pipe, or any valved section thereof, to maintain the specified leakage test pressure after the air in the pipeline has been expelled. The hydrostatic pressure for the leakage shall be 150 psi. The leakage from each portion of the pipeline being tested shall not exceed 25 gallons per inch of internal diameter per mile of pipe per day. If any test of pipe discloses a greater leakage than specified, the Contractor shall, at his own expense, locate and repair the defective joints until the leakage is within the specified allowance.

10.3 Disinfection

All pipelines shall be disinfected in conformance with AWWA Standard C-601 for disinfecting water mains prior to being put into service. Hypochlorite and liquid chlorine for use in disinfection shall conform to AWWA Standards B-300 and B-301, respectively.

All pipelines shall be thoroughly flushed before introduction of chlorinating materials which shall be done in an approved manner. The amount of chlorine applied shall be such as to provide a dosage of not less than 50 parts per million. The chlorinated water shall be retained in the main for at least 24 hours during which time all hydrants and valves in the section treated shall be operated in order to be disinfected. At the end of the 24-hour period, the heavily chlorinated water shall be flushed from the main until the chlorine concentration in the water leaving the main is no higher than that generally prevailing in the system. The Contractor shall then have samples taken by an approved testing laboratory and bacteriological analyses made. Should the initial treatment prove ineffective, disinfection shall be repeated until satisfactory samples have been obtained.

SECTION 11 - SPECIFICATIONS FOR WATER MAIN CONSTRUCTION

11.1 Description

This section includes the construction of water mains and appurtenances and shall include performing all operations in connection with the installation of all pipe, fittings, adapters, gate valves, valve boxes, hydrants, connections to existing and new piping, thrust blocks, plastic and concrete encasement, service connections, bedding, trenching, backfilling, accessories, appurtenances, and miscellaneous work, and the testing and disinfection of the entire new system.

11.2 Materials

The quality of all materials, manufacturing procedures, and the finished pipe shall be subject to inspection and approval of the Engineer. Such inspection may be made at the place of manufacture and/or at the work site after delivery, and the pipe shall be subject to rejection at any time on account of failure to meet any of the specification requirements even though sample pipes may have been accepted as satisfactory at the place of manufacture.

11.2.01 Ductile Iron Pipe (DIP)

All ductile iron pipe shall be centrifugally cast pipe conforming to the American National Standard for Ductile Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds for Water or Other Liquids, ANSI/AWWA Designation A21.51/C-151, latest revision. Pipe sizes shall be as shown on the contract drawings with a thickness class of 52, unless otherwise indicated on the plans. All pipe fittings shall have joints with body thickness and radii of curvature conforming to ANSI/AWWA Designation A21.10/C-110, latest edition.

Joints shall employ a single, elongated gasket of such size and shape as to provide an adequate compressive force against the spigot and socket after assembly to effect a positive seal under all combinations of joint and gasket tolerances. Joints shall be U.S. Pipe and Foundry Company's "Tyton" joint, Griffin Pipe Products Company's "Super Bell-Tite" joint, or approved equal conforming to American National Standard for Rubber Gasket Joints for Cast Iron and Ductile Iron Pressure Pipe and Fittings, ANSI/AWWA Designation A21.11/C.111, latest edition. Gaskets shall be vulcanized natural or vulcanized synthetic rubber, resistant to common ingredients of sewage, industrial wastes, including oils and groundwater. Gaskets shall be free of porous areas, foreign material, and visible defects. Joint lubricants shall be suitable for lubricating the joint assembly. Parts shall be nontoxic, shall not support the growth of bacteria and shall have no deteriorating effects on the gasket material.

All ductile iron pipe shall be externally coated with a uniform thickness (approximately 1 mm thick) of hot-applied coal tar coating. The finished coating shall be neither brittle when cold, nor sticky when exposed to the sun, and shall be strongly adherent to the pipe. The pipe interior shall have cement mortar lining and bituminous sealed coating in accordance with the latest ANSI/AWWA Designation A21.4/C-104 for Cement-Mortar Lining for Cast Iron and Ductile Iron Pipe and Fittings for Water.

11.2.02 Compression - Sleeve Coupling

Couplings shall be designed to couple plain end piping by compression of a ring gasket at each end of the adjoining pipe sections. The coupling shall consist of one middle ring flared or beveled at each end to provide a gasket seat; two follower rings; two resilient tapered rubber gaskets; and bolts and nuts to draw the follower rings toward each other to compress the gaskets. The middle and the follower rings shall be true circular sections free from irregularities, flat spots, and surface defects, and the design shall be such as to provide for confinement and compression of the gaskets. For cast gray and ductile iron piping the middle ring shall be of cast iron or steel and the follower rings shall be of malleable iron.

Cast iron shall conform to ASTM A48 and shall be not less than Class 25. Malleable iron shall conform to ASTM A47. Gaskets shall be designed for long life and resistance to set after installation and shall meet the applicable requirements specified for gaskets for mechanical joint in ANSI A21.11 (AWWA C111). Bolts shall be track-head type; bolts and nuts shall conform to the tensile requirements of ASTM A307, Grade A; or bolts shall be round head square neck type conforming to ANSI B18.5 with hex nuts conforming to ANSI/B18.2.2. Bolts shall be 5/8 inch in diameter; minimum number of bolts for each coupling shall be as recommended by the manufacturer.

Bolt holes in follower rings shall be of a shape to hold fast the necks of the bolts used. Sleeve type mechanical coupling shall not be used as an optional method of joining except where pipeline is adequately anchored to resist tension pull across the joint.

11.2.03 Cast/Ductile Iron Fittings

All cast/ductile iron fittings shall be Class 250 suitable for use with the pipe specified above conforming to the American National Standard for Gray Iron and Ductile Iron Fittings, 2" through 48" for Water and Other Liquids, ANSI Designation A21.10. Fittings shall be externally coated with a uniform thickness of hot applied coal tar coating and the inside shall be cement lined and only mechanical joint fittings shall be used. End plugs shall be setscrew type, as manufactured by the United States Pipe and Foundry Co., or approved equal.

11.2.04 Gate Valves

Gate valves shall be AWWA non-rising stem type with valve box, as manufactured by Mueller Company or approved equal, conforming to the latest AWWA Standard for Gate Valves - 3" through 48" - for Water and Other Liquids, AWWA Designation C-500. Sizes up to and including 12" shall be 200 psi working pressure; sizes 14" and larger shall be 150 psi working pressure. Valves shall have dual "O" ring seals, inside screw, parallel seats and shall be constructed so as to provide unobstructed full port clearance when fully open and immediate complete closure when closed. The ends of the valves shall correspond in type and dimensions with those of the pipe. All valves shall be arranged to open in counter clockwise direction unless otherwise specifically indicated and operating nuts shall be 2" square. Valves shall be tested to a pressure of not less than two times the working pressure. All buried valves shall be furnished with standard weight cast iron valve boxes. Boxes shall be of the Mueller Company Telescope Screw type or approved equal with round or oval base and deep cover to prevent tipping and shall be suitably marked with the word "WATER." Sections shall not be less than 5-1/4" in diameter. Lengths shall be suitable for locations intended. Two 2" square nut operating wrenches of suitable lengths shall be provided.

11.2.05 Fire Hydrants

All new fire hydrants shall be the approved AWWA type fire hydrants in conformance with the American Water Works Association Standard for Fire Hydrants for Ordinary Water Works Service, AWWA Designation C502-latest edition, and shall have a 5-1/4" valve opening, a 6" mechanical joint inlet complete with an auxiliary gate valve (close coupled) and all appurteances. The hydrant shall be equipped to handle two 2-1/2" hose connections and one 4-1/2" pumper connection unless otherwise specified. Fire hydrants shall be Mueller Company, Catalog No. A24015, or A423 Centurion Fire Hydrant, or approved equal. Hydrants shall be provided with two coats of paint matching existing hydrants in the municipality. Hydrants shall be provided with adequate thrust blocks and with at least one cubic foot of broken stone at the base as per the standard detail. The auxiliary gate valve shall be connected to the water main with a hydrant valve anchoring tee or a joint restraint system. Joint restraints shall be installed between the auxiliary gate valve and the hydrant as shown on the plans, as directed by the Engineer, or as otherwise required.

11.2.06 Tapping/Inserting Sleeves and Valves

Tapping/inserting sleeves shall be extra heavy pattern of the sizes suitable for use on the pipe on which the respective sleeve is to be installed and for use with the tapping/ inserting valves. They shall be designed for a working pressure of 200 psi and of the same manufacturer as the tapping/inserting valves. Cast iron sleeves shall be as manufactured by Mueller Company or an approved equal.

Tapping/inserting valves shall be of the same manufacturer as the tapping sleeves and meet all requirements for "Gate Valves" previously specified.

11.2.07 Plastic Pipe Encasement

Plastic pipe encasement for use with ductile iron pipe shall be polyethylene 8 mil. thick either in tube or sheet form with 2" wide polyethylene adhesive tape used to secure the film to the pipe.

11.2.08 Concrete Pipe Encasement

Concrete encasement work shall include the construction of nonreinforced structures used for encasement or plugging purposes, as indicated on the construction plans, and as directed by the Engineer.

Concrete shall have a minimum twenty-eight (28) day compressive strength of 2,500 lbs. per square inch. All materials shall conform to the applicable provisions of the latest edition of the American Concrete Institute Standards (ACI Standard 318, Building Code Requirements for Reinforced Concrete).

11.2.09 Concrete Thrust Blocks

Concrete for thrust blocks shall be Class "C" concrete conforming to the NJDOT's Standard Specifications for Road and Bridge Construction, as currently amended.

11.2.10 Broken Stone

Unless otherwise approved by the Engineer, clean broken stone shall be installed as bedding for all valves and hydrants. Clean broken stone shall be nominal 3/4" size conforming to the requirements of the Engineer.

11.2.11 Steel Pipe (Bridge Crossing)

All welded steel pipe shall conform to the requirements of AWWA Standard for Fabricated Electrically Welded pipe, C-201 latest edition. Fittings, flanges, and similar parts shall conform to the latest requirements of applicable AWWA Standards. Minimum pipe thickness shall be three-eighths of an inch (3/8"). Field welding shall conform to the requirements of AWWA Standard for Field Welding of Steel Water Pipe Joints, C-206, latest edition.

11.2.12 Service Connections

Copper service pipe shall be equal to that as manufactured by Revere Copper and Brass, Inc. and shall be Type "K" in soft temper as commonly used for water service.

Corporation stops shall be equal to that as manufactured by Mueller Company, Series H-15000 and of the size required. Such corporation stops shall meet the requirements of AWWA Specification No. C800, latest edition.

Curb valves (stops) shall be equal to those as manufactured by Mueller Company, Mark II, Oriseal, Cat. No. H15204 and shall conform to AWWA Specification No. C800, latest edition.

Curb boxes shall be equal to those as manufactured by Mueller Company, Figure H-10314 with one piece lid (for use with such stops in sizes 1/2" to 1", inclusive), improved extension curb box. Box length shall be appropriate to the intended location service and shall conform to AWWA Specification No. C800, latest edition.

11.3 Methods of Construction

11.3.01 Cutting and Removing Pavement

The line between the trench and the existing pavement to remain shall be cut with a saw, pneumatically operated spade, or approved equal, so as to leave a smooth, straight, and vertical edge. The existing pavement may be bituminous, brick, block, nonreinforced concrete, reinforced concrete, etc. The excavated pavement shall be broken up and removed to a site approved by the Engineer.

Where excavations are to be made on concrete roads, the existing concrete shall first be saw cut and removed. All protruding reinforcing rods shall be cut off and removed. Any loose or broken longitudinal portions of adjacent existing lanes shall be removed and replaced as directed by the Engineer.

11.3.02 Underground Utilities

It is the responsibility of the Contractor to verify the location of all existing utilities whether shown on the plans or not.

Whenever a utility line is crossed or in any way exposed during this construction, the Contractor shall brace the utility line in accordance with the Standard Detail "Support of Utilities" or to the satisfaction of the owner of the utility. The utility line shall be supported as soon as the existing support is removed and until the trench is backfilled.

11.3.03 Excavation

The trench shall be excavated along the lines designated by the Engineer and to a depth sufficient to provide a cover over the mains of not less than four feet (4') except where greater or lesser depths of cover are shown on the detailed plans or are necessary due to the existence of utilities or to connect to existing lines. The trench shall be not less than one foot and not more than two feet wider at the bottom than the outside diameter of the pipe. The bottom of the trench under each joint shall be so hollowed out to allow the body of the pipe to have bearing along the entire length of trench if and where the trench is excavated at any place below the proper grade, excepting at joints, it shall be refilled to grade with sand or loam and thoroughly compacted.

The Engineer shall have the right to limit (to 100' maximum) the amount of trench which shall be opened in advance of the completed pipe laying work and to limit (to 200' maximum) the amount of trench left unfilled, backfilled and unpaved.

The material excavated shall be laid compactly on the side of the trench and kept trimmed up so that it will be of as little inconvenience as possible to the traveling public and to adjoining tenants. Where the streets are paved, the paving material shall be kept separate from the other materials excavated. All streets shall be kept open for travel unless otherwise approved by the Engineer.

All clean excavated material shall be deposited at locations approved by the Engineer.

All debris and unsuitable material shall be removed and deposited at a location provided by the Contractor and approved by the Engineer. The Engineer alone shall determine if excess material is clean or not.

If, in the opinion of the Engineer, the material at or below the grade to which excavation would normally be carried is unsuitable for foundation, or if the material from any other part of the trench is unsuitable for backfill, it shall be replaced with suitable surplus material excavated from other parts of the project or select backfill imported to the site as specified below.

If suitable surplus material is not available from other parts of the project, then the Contractor shall furnish suitable material if and where directed by the Engineer.

11.3.04 Sheeting

The Contractor shall furnish, install in place and maintain such sheeting and bracing, etc., as may be required to support the sides of the excavation and to prevent any movement of earth which could in any way diminish the width of the excavation below that necessary for proper construction, or otherwise injure or delay the work or endanger adjacent structures. If the Engineer is of the opinion that at any point, sufficient or proper supports have not been provided, he may order additional supports put in at the expense of the Contractor.

11.3.05 Dewatering of Trench

All pipes shall be laid on a solid, dry foundation. The Contractor shall furnish all equipment, materials and labor necessary to keep all trenches free from water that is above or below ground. Any pipe laid in water or wet trenches will be removed and reinstalled at the Contractor's expense.

The Contractor shall provide, maintain, and operate such drains, percolation stone, trenches, sump pumps, hoses, piping, well- pointing systems, and other approved methods and equipment as may be necessary to keep the excavations free from water during all stages of the construction operations and course of work. The Contractor shall provide such dikes, ditches, sumps and pumping equipment that may also be required to prevent the flow of surface waters into excavated areas and into any and all areas where construction or installations are in progress. All water pumped from the excavation shall be discharged in such a manner that shall not cause injury to work completed, damage to property, health hazards or pose an impediment to traffic.

Water shall be completely removed from all excavations promptly and continuously throughout the progress of the work, and the Contractor shall keep excavations absolutely dry at all times until the water mains have been properly joined and bedded and work completed. Precautions shall be taken to protect uncompleted work from flooding during storms or from other causes.

11.3.06 Installation

Care shall be taken not to injure the coating or lining when handling pipe, fittings, etc. and no smaller pieces or other materials of any kind shall be placed in the large pieces for transportation at any time. Any material found to have inherent defects upon delivery or to have been injured in transportation will be rejected.

All pipe, fittings, adapters, valves, and appurtenances shall be cleaned of foreign matter before being lowered into the trench and shall be kept clean during the laying operations by plugging or other approved means. Cutting of pipe shall be done in a neat and workmanlike manner with an approved type of mechanical cutter without damage to the pipe or lining so as to leave a smooth end at right angle to the axis of the pipe.

All joints of piping, couplings, fittings, valves, specials, and fire hydrants, whether push-on type or mechanical type, shall be made up in accordance with the manufacturer's printed recommendations.

Concrete thrust blocks shall be provided at all tees, bends, hydrants, and dead ends. Thrust block placement and size shall be as indicated on the Standard Detail "Thrust Blocks - Required Contract Bearing Areas" and/or on the Plans.

The installation of tapping sleeves and valves for making wet taps under full main pressure shall be done only by workmen thoroughly experienced in this type of work. The existing main shall be thoroughly cleaned of all rust, dirt, scale or other materials down to the clean metal just prior to the installation of the tapping sleeve. Tapping connections shall be installed exactly horizontal and at right angles to the center line of the pipe to be tapped.

Gate valves and valve boxes shall be set plumb with a 6" minimum base of broken stone or gravel. Valve boxes shall be centered on the gate valves and the box cover shall finish flush with the surface of the pavement or ground.

Hydrants shall be set plumb and to the established grade with hose nozzles at least 18 inches above the ground or as directed. A concrete thrust block shall be provided at each hydrant and one cubic foot of broken stone or gravel as indicated on the Detail Sheet.

Methods of Construction for concrete encasement work shall conform to all applicable requirements of the American Concrete Institute Standards, ACI Standard 318.

At all areas where ductile iron pipe is exposed to corrosive soil condition, runs parallel to cathodically protected gas lines on the same side of the road or crosses gas lines, the water main shall be protected by encasing the pipe with plastic. Polyethylene film shall be applied loosely but continuously to the pipe with joints in plastic made by polyethylene adhesive tape. Care shall be taken in the installation and backfilling operation to prevent tearing the plastic and exposing the bare metal pipe.

11.3.07 Backfilling

Unless otherwise approved by the Engineer, the Contractor shall backfill all trenches at the end of each working day with suitable material from the trench excavation or temporary stockpile. Backfill shall be brought to elevations which allow construction of temporary paving specified elsewhere in these specifications. If, in the opinion of the Engineer, the above material is unsuitable, select off-tract material shall be provided. Backfill material shall be deposited and mechanically compacted to a minimum 90 percent Modified Proctor Density in layers not exceeding 6" in depth (loose measure) to a point 12" above the top of the pipe. From this point, all backfill shall be mechanically compacted in maximum 12" lifts, unless otherwise approved by the Engineer, to obtain a minimum 90 percent Modified Proctor Density to a point 3 feet below the road surface. From this point, a minimum 95 percent Modified Proctor Density is required. Smaller lifts shall be required if this density is not obtained. The backfill material shall be wet or dried as required to obtain the required density.

The only methods of compacting the backfill material permitted shall be mechanical compaction in lifts as specified. Consolida-tion will not be acceptable as a method to achieve the soil densities specified.

The Engineer, at his discretion, may perform, or have performed soil density checks at randomly chosen lifts. Density testing will be performed at the completion of the compaction effort. Compaction requirements will be strictly enforced.

When the trench is not in or across a dedicated street, right-of-way, or any other place where pavement is to be constructed, backfill shall be compacted to obtain a minimum 90 percent Modified Proctor Density.

The densities referred to above shall be based upon the latest Standard Test Methods for Moisture-Density Relations of Soil and Soil Aggregate Mixtures Using 10 lb. Rammer and 18" Drop, ASTM Designation D-1557. Density control in the field shall be based on the latest, ASTM Designation D-1556. The Township may retain and, except as otherwise specified, pay for the services of an

independent testing laboratory from monies deposited in the developer's escrow account for inspection to do such sampling and to make such tests as the Township or Engineer may deem necessary to verify that work conforms to the requirements of the specifications.

11.3.08 Temporary Pavement Repairs

During the interval between the completion of backfill and the time of placement of permanent paving, all pavement and drives shall be maintained in a safe and satisfactory condition. The Contractor shall install all temporary pavement repair according to these specifications.

Temporary pavement repair shall be constructed within 24 hours of completion of backfill unless otherwise approved by the Engineer.

Temporary pavement repair shall consist of 4" minimum (compacted measure) of cold patch on all Township roads and 6" (compacted measure) of cold patch on County and State roads. Prior to placing the cold patch, the trench shall be thoroughly cleaned of all loose and foreign material. Cold patch shall not be applied when the surface is wet or dusty. Application shall be made only when the condition of the surface is acceptable to the Engineer.

The Contractor shall continuously maintain temporary paving for the entire period it remains in place; shall inspect trenches at such intervals as may be necessary, including but not limited to; immediately following rainstorms, winter thaws, and similar occurrences which may cause settlement, erosion, or other problems; and shall promptly make necessary repairs to maintain trenches in a satisfactory condition. In the event the Contractor fails to make such repairs, the Township may make such repairs as are deemed necessary and the Contractor shall pay for the cost of this work. The Contractor is required to repair all areas that are damaged by his actions during construction.

The Engineer, giving one week's notice, may direct the Contractor to remove the cold patch surface and replace it with the permanent base course (bituminous stabilized base).

If, at the time of the placement of temporary pavement, it is demonstrated that the Contractor's compaction method has achieved the specified soil densities within the 24-hour time limit for the placement of temporary pavement, the Engineer will approve the placement of the permanent base course in lieu of cold patch. If

the specified soil densities are not achieved within this time limit, the Contractor will be required to place cold patch as specified. The placement of cold patch should not be construed as relieving the Contractor from any of the requirements of the backfilling specifications.

11.4 Testing

All pipe lines shall be pressure and leakage tested prior to construction of permanent pavement repair, a minimum of seven days after the last concrete thrust block has been cast if constructed with normal Portland cement. All materials and equipment required for testing shall be supplied by the Contractor.

Hydrostatic testing of ductile iron pipe shall conform to AWWA Standard C-600, Section 13 and AWWA Standard C-603, Section 19, respectively.

The pressure test shall be performed by increasing the hydrostatic pressure to a specified value and maintaining that pressure for a period of one hour. Any pipe, fittings, or valves found defective shall be replaced. Prior to performing the test, all air pockets and bubbles must be eliminated. Hydrostatic test pressure shall be 250 psi for ductile iron pipe.

The leakage test shall be performed after the pressure test has been satisfactorily completed and shall be accomplished by increasing the hydrostatic pressure to a specified value and maintaining that pressure for a period of two hours. Leakage is the quantity of water that must be supplied into the newly laid pipe, or any valved section thereof, to maintain the specified leakage test pressure after the air in the pipeline has been expelled. The hydrostatic pressure for the leakage shall be 150 psi. The leakage from each portion of the pipeline being tested shall not exceed 25 gallons per inch of internal diameter per mile of pipe per day. If any test of pipe laid discloses a greater leakage than specified, the Contractor shall, at his own expense, locate and repair the defective joints until the leakage is within the specified allowance.

11.5 Disinfection

All pipelines shall be disinfected in conformance with AWWA Standard C-601 for disinfecting water mains prior to being put into service. Hypochlorite and liquid chlorine for use in disinfection shall conform to AWWA Standards B-300 and B-301, respectively.

All pipelines shall be thoroughly flushed before introduction of chlorinating materials which shall be done in an approved manner. The amount of chlorine applied shall be such as to provide a dosage of not less than 50 parts per million. The chlorinated water shall be retained in the main for at least 24 hours during which time all hydrants and valves in the section treated shall be operated in order to be disinfected. At the end of the 24-hour period, the heavily chlorinated water shall be flushed from the main until the chlorine concentration in the water leaving the main is no higher than that generally prevailing in the system. The Contractor shall then have samples taken by an approved testing laboratory and bacteriological analyses made. Should the initial treatment prove ineffective, disinfection shall be repeated until satisfactory samples have been obtained.

11.6 Approvals

The Contractor shall furnish Shop Drawings, Catalogs, Specification Sheets and other Manufacturer's Literature for all equipment and materials the Contractor proposes to furnish. Such items should not be ordered until the Engineer's approval of the material submitted is obtained.

In addition, the Contractor shall submit to the Engineer, copies of purchase orders, delivery tickets, and/or invoices for all materials delivered and installed.

APPENDIX "A"

APPLICATION FORMS

APPLICATION FORMS

Form A	Application for Conceptual Review of Water Facilities
Form B	Application for Authorization to Construct Water Facilities
Form C	Application for Performance Guarantee Reduction/Performance Bond Release for Water Facilities
Form D-1	Application for Single-Family Residential Domestic Water Service
Form D-2	Application for Multi-Family, Commercial and Industrial Domestic Water System
Form D-3	Application and Agreement for All Non-Domestic and Fire Water Service
Form D-4	Application for Change of Use of Existing Water Service
Form D-5	Application for Disconnection of Existing Water Service
PERMIT	Permit to Connect

FORM A
APPLICATION FOR CONCEPTUAL REVIEW

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

TOWNSHIP PROJECT NO. _____ **DATE:** _____

Application for **CONCEPTUAL REVIEW OF WATER FACILITIES IN ALLAMUCHY, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed in duplicate with the Township, accompanied by all applicable fees in cash or certified check made payable to the "Township of Allamuchy." All questions must be filled in; incomplete forms will not be accepted.

Application is hereby made for conceptual review of proposed water facilities for a ruling on the system layout, characteristics, capacity and off-site requirements.

Approval of this application, if granted, is valid for one year from date of approval by the Township (see Section 8.3).

1. Applicant's Name _____ Tax ID No. _____

   Address _____

   _____ Phone (____) _____

   Contact Person Name _____ Phone (____) _____

2. Name of Present Property Owner _____

   Address _____

   _____ Phone (____) _____

3. Interest of applicant if other than owner of property _____

   _____

4. If a subdivision, date classified as major subdivision by Planning Board _____

5. Development Name _____

FORM A
APPLICATION FOR CONCEPTUAL REVIEW
(Continued)

6. Key Location or Street Location of Project _____

   Block No. _____ Lot No(s). _____

7. Number of proposed lots to be sewered _____

   Number of units as per applicable Township Rules and Regulations _____

8. Area of entire tract _____ and portion being served _____

9. Development Plans:

   a. Construction of structures for sale (yes) _____ (no) _____.

   lease (yes) _____ (no) _____.

   b. Other _____

10. New Jersey Licensed Engineer designing water system plan:

    Firm _____

    Name of Engineer _____ License No. _____

    Address _____

    _____ Phone (____) _____

11. Attorney: Firm _____

    Name of Attorney _____

    Address _____

    _____ Phone (____) _____

12. Does applicant or owner agree to convey by deed to the Township of Allamuchy easements for all water facility locations and all rights to the water system? _____

FORM A
APPLICATION FOR CONCEPTUAL REVIEW
(Continued)

13. a) Describe proposal for water service:

_____

_____

b) Describe flow rates and quantity of water required:

_____

14. List plans and other material accompanying application, and number of each:*

	ITEM	NUMBER
a.	_____	_____
b.	_____	_____
c.	_____	_____
d.	_____	_____
e.	_____	_____

15. Applicant and owner have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

IN ADDITION to the payment of applicable filing fees, escrow deposits and the posting of bonds, a connection fee for each applicable unit is due and payable to the Township in accordance with Section 3B.4 of the Township Rules and Regulations.

_____	_____
(Signature of Applicant)	(Signature of Owner)**
_____	_____
(Name of Applicant, typed/printed)	(Name of Owner, typed/printed)
_____	_____
(Applicant's Position or Title)	(Owner's Position or Title)

* Attach 2 prints of your plans.
** Owner's Signature is mandatory (see Section 8.2)

FORM B
APPLICATION FOR AUTHORIZATION TO CONSTRUCT WATER FACILITIES

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

TOWNSHIP PROJECT NO. _____ **DATE:**_____

Application for **CONSTRUCTION OF WATER FACILITIES IN ALLAMUCHY, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed in duplicate with the Township, accompanied by all applicable fees in cash or certified check made payable to the Township of Allamuchy. (NJDEP Construction Permit does not constitute construction authorization of this agency. Applicant must file this form for Township authorization to construct and is bound by all requirements incorporated in the Township's approval). All questions must be filled in; incomplete forms will not be accepted.

The applicant shall be responsible for reimbursement to the Township for the costs incurred by it in the Design Review of the application and inspection during construction. Applicant must deposit with the Township funds to be held in escrow for the payment of all fees; amount to be set forth by the Township.

Approval of this application, if granted, is valid for one year from date of approval by the Township (see Section 8.5).

1. Applicant's Name _____ Tax ID No. _____

   Address _____

   _____ Phone (____) _____

2. Name of Present Property Owner _____

   Address _____

   _____ Phone (____) _____

3. Interest of applicant if other than owner of property _____

   _____

FORM B
APPLICATION FOR AUTHORIZATION TO CONSTRUCT WATER FACILITIES
(Continued)

4. If a subdivision, most recent action by Planning Board _____

_____

5. Key Location or Street Location of Project _____

Block No. _____ Lot No. _____

6. Development Name _____

Total Number of sub-sections or phases _____

7. Description, type and total number of proposed units to be served as per applicable Township Rules and Regulations:

Description _____

Type _____

Total No. of Units _____ Units per each phase _____

8. Applicant's approved estimated total construction cost of project: $_____

9. New Jersey Licensed Engineer designing water system plan:

Firm _____

Name of Engineer _____ Lic. No. _____

Address _____

_____ Phone (____) _____

10. Attorney: Firm _____

Name of Attorney _____

Address _____

_____ Phone (____) _____

FORM B
APPLICATION FOR AUTHORIZATION TO CONSTRUCT WATER FACILITIES
(Continued)

11. List plans and other material accompanying application, and number of each item (see Township Rules and Regulations, Section No. 8.5).

ITEM	NUMBER
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____

12. Estimated calendar days required to finish project once authorization to construct is given

_____ (estimated starting date) _____ (estimated completion date)

Phase or Section — Expected Connection Date

13. Owner and applicant have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

IN ADDITION to the payment of applicable filing fees, escrow deposits and the posting of bonds, a connection fee for each applicable unit is due and payable to the Township in accordance with Section 3B.4 of the Township Rules and Regulations.

Applicant or owners agree to convey by deed to the Township of Allamuchy easements for all water main locations and all rights to water system.

_____	_____
(Signature of Applicant)	(Signature of Owner)**
_____	_____
(Name of Applicant, typed/printed)	(Name of Owner, typed/printed)
_____	_____
(Applicant's Position or Title)	(Owner's Position or Title)

** Owner's Signature is mandatory (see Section 8.2)

FORM C
PERFORMANCE GUARANTEE REDUCTION/RELEASE

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

TOWNSHIP PROJECT NO. _____ **DATE:**_____

Application for **PERFORMANCE GUARANTEE REDUCTION/RELEASE FOR WATER FACILITIES IN ALLAMUCHY, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed in duplicate with the Township, accompanied by all applicable fees in cash or certified check made payable to the Township of Allamuchy. The applicant shall be responsible for reimbursement to the Township for the costs incurred by it in the review of the application and inspection of completed construction. Applicant must deposit with the Township funds to be held in escrow for the payment of all fees; amount to be set forth by the Township. All questions must be filled in; incomplete forms will not be accepted.

1. Applicant's Name _____ Tax ID No. _____

   Address _____

   _____ Phone (____) _____

2. Name of Present Property Owner _____

   Address _____

   _____ Phone (____) _____

3. Interest of applicant if other than owner of property _____

   _____

4. Development Name _____

   Sub-section or Phase covered by this application _____

FORM C
PERFORMANCE GUARANTEE REDUCTION/RELEASE
(Continued)

5. Street addresses, block and lots in section or phase covered by this application:

_____

_____

Block No. _____ Lot Nos. _____

Block No. _____ Lot Nos. _____

Block No. _____ Lot Nos. _____

6. Number of Units as per applicable Township Rules and Regulations:

Total for this development _____

Number covered by this application _____

Total Number of sub-sections or phases _____

7. Does the as-built plan follow exactly the construction plan in regard to details and area covered? _____

If not, indicate significant changes: _____

_____

8. Performance Bond posted with Township: Amount $_____

Number _____ Date _____ Surety _____

9. List Plans and other material accompanying application, and number of each item (see Township Rules and Regulations, Section 4.6).

ITEM	NUMBER/DATE
a. Conveyance documents of easements (if required)	_____
b. As-Built Plans	_____
c. Certified copy of Final Map recorded with County Clerk	_____
d. Proof of payment of fees	_____
e. Permit to Operate (for applicable units)	_____
f. Releases from parties having jurisdiction	_____
g. Signed Township Voucher for release of cash bond	_____
h. _____	_____

FORM C
PERFORMANCE GUARANTEE REDUCTION/RELEASE
(Continued)

10. Owner and applicant have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

IN ADDITION to the payment of applicable filing fees, escrow deposits and the posting of bonds, a connection fee for each applicable unit is due and payable to the Township in accordance with Section 3B.4 of the Township Rules and Regulations.

_____	_____
(Signature of Applicant)	(Signature of Owner)**
_____	_____
(Name of Applicant, typed/printed)	(Name of Owner, typed/printed)
_____	_____
(Applicant's Position or Title)	(Owner's Position or Title)

Maintenance Bond (to be completed by Township)

a) Release of Performance Guarantee approved by Township on _____.

b) Amount of Maintenance Bond to be furnished $_____.

** Owner's Signature is mandatory (see Section 8.2)

FORM D-1
APPLICATION FOR SINGLE-FAMILY RESIDENTIAL DOMESTIC WATER SERVICE

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

Date _____

Application for **PERMIT FOR SINGLE-FAMILY RESIDENTIAL DOMESTIC WATER SERVICE, TOWNSHIP OF ALLAMUCHY, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed with the Township, accompanied by plan showing the proposed plumbing layout and/or connection. Please answer all questions.

FEES: Application: $_____

Inspection: $_____

Connection Fees: $_____/Units _____

_____ Extended Payment Plan

$ _____ Paid

TOWNSHIP OF ALLAMUCHY

Approved by: _____

Applicant (check one): _____ Owner _____ Developer

Name _____

Address _____

_____ Phone (___) _____

SERVICE LOCATION: Street Address Block No. Lot No.

_____ _____ _____

_____ _____ _____

_____ _____ _____

FORM D-1
APPLICATION FOR SINGLE-FAMILY RESIDENTIAL DOMESTIC WATER SERVICE
(Continued)

Licensed Plumber:	Phone	Emergency Phone
_____	_____	_____

TYPE OF STRUCTURE: _____ House _____ Commercial _____ Industry

TECHNICAL REQUIREMENTS:

Applicant shall be responsible for all permits, including Road Opening Permit. Applicant shall be responsible for surface joining, during and after construction, and for all restoration.

All construction shall be in compliance with the Township Rules and Regulations.

Any details needed may be obtained from the Township.

_____ _____
Date Signature of Applicant

FORM D-2
APPLICATION FOR MULTI-FAMILY, COMMERCIAL AND INDUSTRIAL DOMESTIC WATER SERVICE

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

Date _____

Application for **MULTI-FAMILY COMMERCIAL AND INDUSTRIAL DOMESTIC WATER SERVICE IN ALLAMUCHY TOWNSHIIP, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed with the Township, accompanied by plan showing the proposed plumbing layout and/or connection. Please answer all questions.

1. Applicant's Name _____

   Address _____

   _____ Phone (___) _____

   Contact Person Name_____ Phone (___)_____

2. Name of Present Property Owner _____

   Address _____

   _____ Phone (___) _____

3. Interest of applicant if other than owner of property _____

   _____

4. Key Location or Street Location of Project _____

   _____

   Block No. _____ Lot No. _____

5. Area of entire tract _____ and portion being sewered _____

FORM D-2
APPLICATION FOR MULTI-FAMILY, COMMERCIAL AND INDUSTRIAL DOMESTIC WATER SERVICE
(Continued)

6. New Jersey Licensed Engineer and/or Licensed Plumber designing water plan:

   Firm _____

   Name of Contact _____ License No. _____

   Address _____

   _____ Phone (___) _____

7. Attorney (if applicable): Firm _____

   Name of Attorney _____

   Address _____

   _____ Phone (___) _____

8. Does applicant or owner agree to convey by deed to the Township of Allamuchy easements for all water main locations and all rights to water system? _____

9. Describe: a) proposed use _____

   _____

   b) proposal for water service _____

   _____

   c) flow rates and quantity of water _____

   _____

10. Projected Date of Service _____

FORM D-2
APPLICATION FOR MULTI-FAMILY, COMMERCIAL AND INDUSTRIAL DOMESTIC WATER SERVICE
(Continued)

11. List plans and other material accompanying application, and number of each:

	ITEM	NUMBER
a.	_____	_____
b.	_____	_____
c.	_____	_____
d.	_____	_____

12. Owner and applicant have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

The payment of a connection fee for each applicable new unit may be due and payable to the Township in accordance with Section 3B.4 of the Township Rules and Regulations.

_____ (Signature of Owner)**

_____ (Signature of Applicant)

_____ (Name of Owner, typed/printed)

_____ (Name of Applicant, typed/printed)

_____ (Owner's Position or Title)

_____ (Applicant's Position or Title)

* Attach print of your plans.
** Owner's Signature is mandatory (see Section 8.2)

FORM D-3
APPLICATION AND AGREEMENT FOR ALL NON-DOMESTIC AND FIRE WATER SERVICE

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

TOWNSHIP PROJECT NO. _____ **DATE:**_____

Application and Agreement for **ALL NON-DOMESTIC AND FIRE WATER SERVICE IN ALLAMUCHY TOWNSHIP, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed in duplicate with the Township thirty days in advance of a regular meeting of the Township, accompanied by fees, deposits and submissions required by Township regulations.

All questions must be filled in; incomplete forms will not be accepted.

IN ADDITION to the payment of applicable filing fees, and review and inspection fees, a connection fee for each applicable unit is due and payable to the Township in accordance with Section 3B.4 of the Township Rules and Regulations.

The undersigned being the (owner) (leasee) (tenant) (other - specify _____) of the property

located at _____

Block No. _____ Lot No(s). _____ does hereby request a permit to (install) (use) a

non-domestic or fire service connection serving the _____

_____, which company is engaged in

_____

_____ at said location.

FORM D-3
APPLICATION AND AGREEMENT FOR ALL NON-DOMESTIC AND FIRE WATER SERVICE
(Continued)

THE FOLLOWING MATERIAL MUST ACCOMPANY THIS APPLICATION:

1. A plan of the property showing accurately all water system facilities now proposed, including details.

2. Plans and specifications covering any work proposed to be performed under this application.

3. A complete schedule of all process and industrial water system requirements at said property, including a description of the character of each system, the daily volume and maximum rates of flow.

4. To cooperate at all times with the Township and its representatives in their inspecting and testing.

5. To notify the Township immediately in the event of any accident, negligence, or other occurrence related to the public water supply whether or not specifically covered by this application.

6. Owner and applicant have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

Date: _____ Signed _____
(Applicant)

_____ _____
(Signature of Owner)** (Type or print Applicant's name)

_____ _____
(Name of Owner, typed/printed) (Applicant's Position or Title)

_____ _____
(Owner's Position or Title) (Address)

_____

** Owner's Signature is mandatory (see Section 8.2)

FORM D-4
APPLICATION FOR CHANGE OF USE OF EXISTING WATER SERVICE

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

Date _____

Application for **CHANGE OF USE OF WATER SERVICE IN ALLAMUCHY, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed with the Township, accompanied by plan showing the proposed plumbing layout and/or connection. Please answer all questions.

Application is hereby made for a change of use of existing water facilities for a ruling on the system layout, characteristics, capacity, and requirements.

1. Applicant's Name _____

   Address _____

   _____ Phone (___) _____

   Contact Person Name _____ Phone (___) _____

2. Name of Present Property Owner _____

   Address _____

   _____ Phone (___) _____

3. Interest of applicant if other than owner of property _____

   _____

4. Key Location or Street Location of Project _____

   _____

   Block No. _____ Lot No. _____

FORM D-4
APPLICATION FOR CHANGE OF USE OF EXISTING WATER SERVICE
(Continued)

5. Area of entire tract _____ and portion being sewered _____.

6. New Jersey Licensed Engineer or Plumber designing water plan:

   Firm _____

   Name of Contact _____ License No. _____

   Address _____

   _____ Phone (___) _____

7. Attorney (if applicable): Firm _____

   Name of Attorney _____

   Address _____

   _____ Phone (___) _____

8. Does applicant or owner agree to convey by deed to the Township of Allamuchy easements for all water main locations and all rights to the water system? _____

9. Describe: a) prior use _____

   No. of employees _____ No. of fixtures _____

   Business Hours _____

   b) new use _____

   No. of employees _____ No. of fixtures _____

   Business Hours _____

   c) new proposal for water service _____

   _____

   d) flow rates and quantity of water _____

   _____

FORM D-4
APPLICATION FOR CHANGE OF USE OF EXISTING WATER SERVICE
(Continued)

10. Effective Date of Change of Use _____

11. List plans and other material accompanying application, and number of each:

ITEM	NUMBER
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____

12. Owner and applicant have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

The payment of a connection fee for each applicable new unit may be due and payable to the Township in accordance with Section 3B.4 of the Township Rules and Regulations.

_____	_____
(Signature of Owner)**	(Signature of Applicant)
_____	_____
(Name of Owner, typed/printed)	(Name of Applicant, typed/printed)
_____	_____
(Owner's Position or Title)	(Applicant's Position or Title)

* Attach print of your plans.
** Owner's Signature is mandatory (see Section 8.2)

FORM D-5
APPLICATION FOR DISCONNECTION OF WATER SERVICE

FILL IN AS EACH ITEM MAY APPLY - USE N/A IF NON-APPLICABLE

TOWNSHIP OF ALLAMUCHY
MUNICIPAL BUILDING
ALPHANO ROAD, BOX A
ALLAMUCHY, NJ 07820

Date _____

Application for **DISCONNECTION OF EXISTING WATER SERVICE IN ALLAMUCHY, COUNTY OF WARREN, STATE OF NEW JERSEY**. This application must be filed with the Township, accompanied by plan showing the proposed plumbing layout and/or connection. Please answer all questions.

1. Applicant's Name _____

   Address _____

   _____ Phone (___) _____

   Contact Person Name _____ Phone (___) _____

2. Name of Present Property Owner _____

   Address _____

   _____ Phone (___) _____

3. Key Location or Street Location of Project _____

   _____

   Block No. _____ Lot No. _____

4. Number of proposed lots to be disconnected _____

   Number of laterals to be disconnected _____

FORM D-5
APPLICATION FOR DISCONNECTION OF WATER SERVICE
(Continued)

5. New Jersey Licensed Plumber performing the work:

Firm _____

Name of Plumber _____ License No. _____

Address _____

_____ Phone (___)_____

6. a) Describe proposal for disconnection: (Reference Section 4.8 of Township Rules and Regulations)

_____

_____

7. Owner and applicant have read the Township Rules and Regulations and fully understand all necessary requirements. Yes _____

The Township must be notified 24 hours in advance of the proposed disconnection, and an Township Inspector must be in attendance.

_____	_____
(Signature of Owner)**	(Signature of Applicant)
_____	_____
(Name of Owner, typed/printed)	(Name of Applicant, typed/printed)
_____	_____
(Owner's Position or Title)	(Applicant's Position or Title)

* Attach two prints of your plans.
** Owner's Signature is mandatory (see Section 8.2)

TOWNSHIP OF ALLAMUCHY

WATER SERVICE CONNECTION PERMIT

Block _____ Lot _____

Address: _____

Date Paid: _____

Official Signature: _____ Seal

APPENDIX "B"

FEE, PENALTY AND CHARGES SCHEDULES

TOWNSHIP OF ALLAMUCHY

STANDARD APPLICATION FEE AND CHARGES SCHEDULE

Minimum deposits may be increased if the Township review exceeds these minimum requirements.

APPLICATION	FILING FEE	DEPOSIT FOR REVIEW*	DEPOSIT FOR INSPECTION
Form A Conceptual Review of Water Facilities	$ 100	$50/connection unit. Min. deposit $1,000	None
Form A Renewal Authorization	$ 50	$50/connection unit. Min. deposit $1,000***	None
Form B Construction Authorization	$ 200	$1.50/ft. of water main Min. deposit $1,000***	5% of approved construction cost. Min. deposit $1,000***
Form C (per application) Performance Bond Reduction/Release	$ 100	$0.50/ft. of water main Min. deposit $1,000*** (Re-application deposit as required.)	5% of approved construction cost. Min. deposit $1,000 (Re-application deposit as required.)
Form D-1 For Connection of Single-Family Residential Domestic	$ 25*	None	Actual Cost**
Form D-2 For Connection of Multi-Family, Commercial, and Industrial Domestic	$ 50*	Actual Cost**	Actual Cost**
Form D-3 For Connection of All Non-Domestic and Fire Service (Fees additional to Forms A thru C)	$ 50	Actual Cost** Minimum Depost - $500	Actual Cost**

TOWNSHIP OF ALLAMUCHY

STANDARD APPLICATION FEE AND CHARGES SCHEDULE (CONTINUED)

APPLICATION	FILING FEE	DEPOSIT FOR REVIEW*	DEPOSIT FOR INSPECTION
Form D-4 Change of Use	None	None (unless special review or analysis required)	Actual Cost**
Form D-5 Disconnnection of Sewerage Facilities	None	None	Actual Cost**

* (not including connection fees)
** (Actual Cost to the Township – Time, Equipment, and Materials, if applicable).
*** May be adjusted if re-application is unchanged from initial application.

TOWNSHIP OF ALLAMUCHY

WATER SERVICE CHARGES SCHEDULE

A. Service Charges: The sewer bill will consist of the monthly service charge together with the gallonage charge. The monthly service charges shall be as follows, unless service is disconnected during a billing period, in which case, the service will be prorated.

Meter Size	Service Charge
5/8" X 3/4"*	$ 6.75 *
1"	17.74
1.5"	35.50
2"	56.80
3"	106.50
4"	177.50

The monthly service charge is based upon the size of the water meter used by the customer.

Gallonage Charge: There will be a gallonage charge of $2.44 per thousand gallons of sewer used, based upon the water meter reading.

Terms of Payment: All changes shall be billed monthly in arrears and will be due 15 days from the date sent.

2. All monthly service charges based upon water consumption shall be made and billed on the basis of user's water consumption readings obtained from the water department or company furnishing water to the respective units, but, in no event, shall any such charge be less than the minimum charge hereinabove set forth.

3. The aforesaid revised rate schedule for each year shall take effect on January 1st of the respective year.

Water Rental Charges to Multi-family Residential, Commercial or Industrial Establishments Without Separate Water Meters.

Whenever two or more establishments are served by a single water meter the Township may estimate the amount of water delivered to each establishment and may apply full or minimum charges to each establishment as enumerated above.

If the owner of the property does not agree to the Township's determination of the water charge as set forth above, he shall, at his sole cost and expense, install separate meters for each building or establishment on the premises.

TOWNSHIP OF ALLAMUCHY

SEWER SERVICE CHARGES SCHEDULE (CONTINUED)

B. Check Processing Fee -

Whenever the Township is notified a deposited item has been returned to the customer and is uncollected for non-sufficient funds, the Township shall charge such customer a fee equal to the general Township check charge for processing the non-sufficient funds item(s).

C. Connection Fee -

The fee for the right to connect directly or indirectly to the Township's water system shall be $2,000 for each service unit.

D. Service Lateral Installation Fees -

An applicant will be charged for the installation of a service connection whenever a physical connection is required to be made by the Township or their designated contractor. The charge for installation of service connections shall be the actual cost incurred by the Township.

F. System Reactivation Fee -

When a customer has received approval from the Township to completely discontinue water service to an establishment, the customer, from that point on, is no longer subject to the annual service charge. Should such a customer subsequently be granted approval by the Township to reactivate water service to such an establishment, the Township shall charge the customer a fee which it deems necessary to recover the Capital and Debt Service Costs it incurred for such customer during the entire period of discontinued service.

The fee per unit shall be based on annual rates. These rates will be computed for each year by the following formula.

1. Add the budgeted capital appropriations for a given year and the debt service for the same year (capital/debt service sum).

2. Divide the capital/debt service sum by the same year's total budget (capital/debt service ratio).

3. Multiply the capital/debt service ratio by the same year's annual service charge. This figure is the amount necessary to be recovered for that year from a reactivated customer as part of the system reactivation fee.