RULES AND REGULATIONS
GOVERNING THE SUBDIVISION
OF LAND

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1. GENERAL PROVISIONS

1.1 TITLE

These Rules and Regulations shall be known as the Rules and Regulations Governing the Subdivision of Land in the Town of Wrentham and may be cited as Wrentham Subdivision Rules and Regulations.

1.2 AUTHORITY

These Rules and Regulations are adopted pursuant to the statutory rule making authority of Section 81Q of Chapter 4l of the General Laws for the purposes set forth in Section 1.3 of these Rules and Regulations.

1.3 PURPOSE

The Planning Board as elected representative of the residents of the Town of Wrentham adopts these Rules and Regulations to effect the following purposes in regard to the subdivision of land:

a. to ensure compliance with the general statement of purpose declared in section 81 M of the Subdivision Control Law, Chapter 41 of the General Laws; and
b. to ensure technical compliance with the requisites of the Subdivision Control Law, MGL c.41 §§81K – 81GG
c. to ensure compliance with the zoning ordinances and bylaws of the Town of Wrentham; and
d. to ensure compliance with the general statement of purpose declared in Section 2A of Chapter 808 of the Acts of 1975; and
e. to ensure compliance with the Massachusetts Environmental Protection Act, Sections 61, 62 Chapter 30 of the General Laws; and
f. to protect the right of every resident of the Town of Wrentham to clean air and water; freedom from excessive and unnecessary noise; and to the natural, scenic, historic, and aesthetic qualities of his/her environment as declared in Article XCVII (97) of the Constitution of the Commonwealth of Massachusetts; and
g. to realize the congressional mandate of the National Environmental Policy Act, Sections 43213 et seq. of Title 42 of the United States Code, which declares that local government in cooperation with the Commonwealth and the Federal Government is a responsible agency for restoring and maintaining environmental quality; and
h. to encourage, permit, and ensure planned, orderly growth in the Town of Wrentham; and
I. to provide for compatible development and best use of the Town’s land and resources; and
j. to assist other agencies of government in the Town of Wrentham in planning for and providing essential services to all residents.

1.4 CONSTRUCTION

These Rules and Regulations shall be liberally construed and applied to promote the purposes set forth in Section 1.3 of these Rules and Regulations.

1.5 WAIVER OF REQUIREMENTS

Where necessary or convenient to accomplish the purposes of these Rules and Regulations, the Board may waive any requirement(s) of these Rules and Regulations. Any such waiver shall be upon vote of a majority of the Board.

1.6 EFFECTIVE DATE

These Rules and Regulations are to be effective July 3, 1985 and from that time shall supersede all prior rules and regulations governing the subdivision of land in the Town of Wrentham.
2. DEFINITIONS

2.1 Unless a contrary intention or definition is clearly expressed herein, terms and words defined in the Subdivision Control Law, Chapter 41 of the General Laws, shall have the meaning given therein for purposes of these Rules and Regulations.

2.2 The following terms and words shall have the meaning defined herein:

**ABUTTER:** As used in these Rules and Regulations means an owner of land as listed in the most recent real property tax list, certified by the Board of Assessors, whose real property is within 300 feet of the boundaries of a proposed subdivision of land as shown on the definitive plan.

**APPLICANT:** As used in these Rules and Regulations means a person, corporation, real estate trust, or other legal entity who/makes application to this Board for approval of a plan for subdivision of land pursuant to Chapter 41 of the General Laws or who/makes application to this Board for determination that a plan of land does not require approval under the Subdivision Control Law, Chapter 41 of the General Laws.

**ARTERIAL STREET:** As used in these Rules and Regulations means a proposed or existing street, which, in the opinion of the Board, is to be used for major through traffic with a volume in excess of 2400 vehicles in a representative 24 hour period.

**BOARD:** As used in these Rules and Regulations means the Planning Board of the Town of Wrentham.

**COLLECTOR STREET:** As used in these Rules and Regulations means a proposed or existing street which, in the opinion of the Board, is to be used to connect several minor streets with a volume in excess of 400 vehicles in a representative 24 hour period.

**DEAD-END STREET:** A street or network of streets having only one shared access/egress point intersecting a THROUGH-STREET which said access/egress point is fully accessible to customary traffic and emergency vehicles. Any street which is not a THROUGH-STREET (see Figure 6 - DEAD END STREETS).

**DEFINITIVE PLAN:** As used in these Rules and Regulations means a proposed plan for subdivision of land submitted pursuant to Chapter 41 of the General Laws and Sections 3.32 et seq. of these Rules and Regulations for approval of the Board.
ENGINEER: As used in these Rules and Regulations means a person who is registered and/or lawfully permitted to practice professional engineering in the Commonwealth of Massachusetts.

ENVIRONMENTAL AND COMMUNITY ASSESSMENT REPORT: As used in these Rules and Regulations means a comprehensive, technical analysis and report by the Applicant which is required to be submitted to the Board pursuant to Section 8 of these Rules and Regulations.

GENERAL LAWS: As used in these Rules and Regulations means the General Laws of the Commonwealth of Massachusetts, Ter. Ed.

INDUSTRIAL-COMMERCIAL STREET: As used in these Rules and Regulations means a proposed or existing street which, in the opinion of the Board, is to be used to provide local access to industrial-commercial enterprises.

LAND SURVEYOR: As used in these Rules and Regulations means a person who is registered and/or lawfully permitted to practice land surveying in the Commonwealth of Massachusetts.

LOT: As used in these Rules and Regulations means an area of land in one ownership, with definite boundaries, used, or available for use, as the site of one or more buildings.

MHD: As used in these Rules and Regulations means the Massachusetts Highway Department.

MINOR STREET: As used in these Rules and Regulations means a proposed or existing street which, in the opinion of the Board, is to be used primarily for residential purposes with a volume of less than 400 vehicles in a representative 24 hour period.

PERSON: As used in these Rules and Regulations means a human being or corporation, real estate trust, or other legal entity.

PRELIMINARY PLAN: As used in these Rules and Regulations means a proposed plan for subdivision of land submitted pursuant to Chapter 41 of the General Laws and Sections 3.31 et seq. of these Rules and Regulations for the information of and analysis by the Board and other regulatory agencies of the Town of Wrentham.

STREET: As used in these Rules and Regulations means the right of way or taking and includes the traveled way, curbing, grass strips, sidewalks, drainage facilities, and utilities.
**SUBDIVISION:** As used in these Rules and Regulations means the division of a tract of land into two or more lots and shall include re-subdivision, and when appropriate to the context, shall relate to the process of subdivision or the land or territory subdivided; provided, however, that the division of a tract of land into two or more lots shall not be deemed to constitute a subdivision within the meaning of the Subdivision Control Law if, at the time when it is made, every lot within the tract so divided has frontage on (a) a public way or a way which the Clerk of the Town certifies is maintained and used as a public way, or (b) a way shown on a plan theretofore approved and endorsed in accordance with the Subdivision Control Law, or (c) a way in existence when the Subdivision Control Law became effective in the Town, having, in the opinion of the Planning Board, sufficient width, suitable grades and adequate construction to provide for the needs of vehicular traffic in relation to the proposed use of the land abutting thereon or served thereby, and for the installation of municipal services to serve such land and the buildings erected or to be erected thereon. Such frontage shall be of at least such distance as is then required by zoning or other ordinance or bylaw, if any, of the Town for erection of a building, on such lot, and if no distance is so required, such frontage shall be of at least twenty feet. Conveyances or other instruments adding to, taking away from, or changing the size and shape of, lots in such a manner as not to leave any lot so affected without the frontage above set forth, or the division of a tract of land on which two or more buildings were standing when the Subdivision Control Law went into effect in the town in which the land lies into separate lots on each of which one of such buildings remains standing, shall not constitute a subdivision.

**SUBDIVISION CONTROL:** As used in these Rules and Regulations means the lawful authority of the Board pursuant to the Constitution of the Commonwealth of Massachusetts, Chapter 41 of the General Laws, these Rules and Regulations, and other statutes, ordinances, and bylaws to regulate the subdivision of land in the Town of Wrentham.

**THROUGH-STREET:** A street or segment thereof, which is open at both ends that allows vehicular access and egress to any and all locations outside the immediate area along more than one segment of the street network (see Figure 7 - COMPARISON OF DEAD-END VERSUS THROUGH-STREETS).

**UTILITIES:** As used in these Rules and Regulations means gas, electric, water, drainage, fire, cable television, and related and ancillary services.

**WETLANDS:** As used in these Rules and Regulations means any lands or waters subject to Sections 40, 40A of Chapter 131 of the General Laws and/or the watershed protection district bylaw of the Zoning Bylaw of the Town of Wrentham.

**WDPW:** As used in these Rules and Regulations means the Department of Public Works of the Town of Wrentham.
3. PROCEDURE FOR SUBDIVISION OF LAND

3.1 GENERAL

No person shall make a subdivision within the meaning of the Subdivision Control Law of any land within the Town, or proceed with the improvement or sale of lots in a subdivision, or the construction of ways, or the installation of municipal services therein, unless and until a definitive plan of such subdivision has been submitted and approved by the Board as hereinafter provided.

3.2 PLANS THOUGHT NOT TO REQUIRE APPROVAL UNDER THE SUBDIVISION CONTROL LAW

Any owner of land located in the Town or their representative who wishes to cause to be recorded in the Registry of Deeds or to be filed with the Land Court a plan of land, and who believes that the plan does not require approval, under the Subdivision Control Law, may submit the plan to the Planning Board accompanied by the necessary evidence to show that the plan does not require approval under the Subdivision Control Law.

3.21 PROCEDURE FOR SUBMISSION OF PLAN THOUGHT NOT TO REQUIRE APPROVAL

1) The Applicant shall file an original mylar of the ANR Plan with three (3) copies that conform to the content requirements of Section 3.22 to the Planning Board office.

2) The Applicant shall provide a .pdf version of the application packet and plan by email, compact disc or thumb drive.

3) The Applicant shall submit two (2) copies of the application Form 1 (See Appendix). One (1) copy of the application must contain the original signature of the record owner and/or the applicant. If the owner and applicant are not the same and both signatures are not provided on the application, the Board will accept a letter signed by the owner that authorizes the Applicant to proceed with the application on their behalf.

4) The application must be accompanied by the corresponding application fee pursuant to the Planning Board’s fee schedule.

5) The Applicant shall provide a copy of the deed on the property as well as a certification by the Town Treasurer that there are no outstanding taxes owed on the property(ies) in question.

6) Once the application is considered complete by the Planning Board staff, it shall be filed with the Office of the Town Clerk and stamped with the date of receipt and shall be considered “filed”. Incomplete applications shall be returned to the applicant.

7) Once the application is deemed complete and filed with the Town Clerk, the Applicant shall be notified by Planning Board staff and placed on the next available agenda of a regularly-scheduled Planning Board meeting.
8) One (1) copy of the plan shall be submitted to the DPW Superintendent and one (1) copy to the Fire Department for review and comment.

3.22 REQUIREMENTS FOR SUBMISSION OF PLAN THOUGHT NOT TO REQUIRE APPROVAL

In addition to the requirements listed in Section 3.21 above, all ANR plans must contain the following information:

1) Name of record owner(s) of land shown on the plan;
2) Name, signature and seal of the surveyor and/or engineer who prepared the plan;
3) Names of all adjacent abutters as they appear on the most recent Assessor’s records and, if the Applicant has knowledge of any changes subsequent to the most recent records, the names of the present owners of abutting land;
4) Location of all man-made structures and significant natural features, including existing buildings and structures, stone walls and/or guardrails, rock outcrops, steep slopes, wetlands, easements, rights of way, water courses, drains, streets, ways, scenic roads, major trees and such other references known to the applicant to sufficiently identify the land to which the plan relates and to sufficiently identify any existing impediments to access upon the land. A topography plan, shown at two (2)-foot contours, shall be provided where slopes exceeding 15% may impede access upon the land between the street and the proposed location of the structure or house;
5) Town of Wrentham Assessor’s map number, block number and lot number;
6) All boundary lines, dimensions and areas of all lots to which the plan relates;
7) The remaining frontage and total area of the land in the ownership of the Applicant in all cases wherein there shall result in the creation of a new lot or revised lot lines;
8) North arrow, date of survey and scale (both numeric and bar);
9) Delineation of all streets and ways, both sides, indicating the width of pavement with a statement of whether or not all streets and ways shown or referred to are public or private ways;
10) A brief description of the intent of the plan; what the applicant is looking to accomplish through approval;
11) A locus map at a scale of 1” = 800’ or other such scale acceptable to the Planning Board to depict the location of the site in relation to the surrounding area;
12) Appropriate reference(s) shown on the plan to any variance(s) granted by the Zoning Board of Appeals or other decisions/permits affecting the land included in the plan;
13) The statement, “Approval Under the Subdivision Control Law Not Required” together with sufficient space for the signatures of the Planning Board members and the date of endorsement;
14) A note shall appear on the plan stating that the endorsement of the Planning Board should not be construed to be a determination of conformance with the
Zoning By-Laws of the Town of Wrentham for all lots affected;
15) A note shall appear on the plan stating that the endorsement of the Planning Board should not be construed to be a determination of conformance with the General By-Laws of the Town of Wrentham for all lots affected.

In general, a plan of division of land into two (2) or more lots that does not require approval under the Subdivision Control Law, shall meet one (1) of the following requirements:

(1) Each lot therein has sufficient frontage on (a) a public way, or on a way which the Clerk of the city or town certifies is maintained and used as a public way, or (b) a way shown on a plan heretofore approved in accordance with the Subdivision Control Law, or (c) a way in existence when the Subdivision Control Law became effective; having, in the opinion of the Board, sufficient width, suitable grades, and adequate construction to provide for the needs of vehicular traffic in relation to the proposed use of the land abutting thereon or served thereby; and for the installation of municipal services to serve such land and the buildings erected or to be erected thereon.

(2) Each lot has standing on it a building, such building having been standing at the time of adoption of subdivision control laws in the Town.

3.21 If the Board determines that the plan does not require approval it shall, without a public hearing, endorse on the plan the words "Planning Board approval under Subdivision Control Law not required". Said plan shall be signed and returned to the applicant and the Board shall notify the Town Clerk of its action by submission of a signed plan and copy of the application.

If the Board determines that the plan does require approval under the Subdivision Control Law, it shall so inform the Applicant and return the plan. The Board shall also notify the Town Clerk of its determination.

3.3 PLANS TO BE APPROVED UNDER THE SUBDIVISION CONTROL LAW

3.31 Preliminary Plan

A preliminary plan of any proposed subdivision exceeding six (6) lots shall be submitted to the Planning Board and to the Board of Health for the tentative approval, modification or disapproval by each Board. Three (3) copies of Form 2 (see Appendix) shall be submitted and accompanied by the original and nine (9) copies of the preliminary plan on sheets measuring 24" x 36", and eight (8) additional copies on sheets measuring 11" x 17", along with the appropriate fee (see Planning Board's Fee Schedule). The Applicant shall also provide a .pdf version of the plan and other application submittals and reports by email, compact disc or thumb drive. The preliminary plan shall not be deemed to have been submitted to the Planning Board until the application forms and plans have
been delivered to the Board at a regular or special meeting. Receipt will be acknowledged by signature on each copy of the application form, two (2) of which will be immediately returned to the Applicant or his agent. Thereafter, he shall file by delivery or by certified mail, a notice with the Town Clerk stating the date of submission of the plan and accompanied by a receipted copy of the application form.

3.311 Plan Form

The preliminary plan shall be prepared by an engineer and surveyor and be drawn clearly and legibly on tracing paper at a horizontal scale of 1" = 40’, and in the case of profiles, at a horizontal scale of 1” = 40’ and a vertical scale of 1” = 4”.

3.312 Plan Content

The preliminary plan shall show clearly the following:

a. Subdivision name, boundaries, north point, date, scale, legend and title "Preliminary Plan";
b. Names of the record owner and the Applicant and the name or names of the engineer or surveyor;
c. Names of all abutters as determined from the most recent tax list and such others to whom notices are to be sent;
d. Existing and proposed lines of streets, easements, and any public areas within the subdivision, in a general manner;
e. Proposed system of drainage including adjacent natural waterways, in a general manner;
f. Proposed sewerage system and water distribution system;
g. Approximate boundary lines of proposed lots with approximate areas and dimensions;
h. Names, approximate locations and widths of adjacent streets;
i. The existing topography of the land at five (5) - foot intervals based on the U.S. Coast and Geodetic Survey Base, and field check of all low elevation and high elevation points;
j. The proposed topography of the land at five (5) - foot intervals. The proposed topography to be indicated by dashed lines with proposed elevations shown, enclosed in blocks;
k. Other existing site features (regardless of proposed construction) including water bodies, wetlands, buildings, stone walls, rock outcroppings, and trees five (5) inches in diameter or the perimeter of heavily wooded areas; and
l. Zoning classification of the area.
3.313 Approval or Disapproval

The Board and the Board of Health shall act upon the preliminary plan and its accompanying materials in accordance with Chapter 41 of the General Laws. Approval, if given, does not constitute approval of a subdivision, but does facilitate the procedure in securing approval of the definitive plan.

Any plan submitted by the Applicant to the Board in advance of the definitive plan which does not conform to the requirements hereof pertaining to a preliminary plan shall not be considered to be a preliminary plan, nor shall such plan be given any approval by the Board.

3.32 Definitive Plan

3.321 Submission

Any Applicant who submits a definitive plan of a subdivision to the Board for approval in accordance with the Subdivision Control Law shall file the following with the Board:

a. An original drawing of the definitive plan and fifteen (15) contact prints (seven (7) copies on 24" x 36" sheets and eight (8) copies on 11" x 17" sheets). The prints are to be black line on white background;

b. Four (4) copies of a Stormwater Drainage/Hydrological Report prepared in accordance with Section 5.2, which has been stamped and signed by an Engineer. Said report shall also indicate the date of preparation (and any revision date subsequent to its initial submission);

c. Signed receipt from the Office of the Board of Health demonstrating the Applicant’s submission to said Office of two (2) copies of the definitive plan on sheets measuring 24" x 36", Environmental and Community Assessment Report, as required by Section 8 and the Stormwater Drainage/Hydrological Report, noting the most recent revision dates on said comments;

d. Three (3) copies of Application Form 3 (see Appendix). The Applicant shall state in the application the time within which the required work on the ground will be completed;

e. The Applicant shall provide a .pdf version of the plan and other application submittals and reports by email, compact disc or thumb drive;

f. The appropriate fee (see Planning Board’s Fee Schedule);

g. A list of all abutters together with the address of each as determined from the most recent local tax list certified by the Board of Assessors. An abutter is any property owner within 300 feet of the boundary of the proposed subdivision;

h. A location plan of the subdivision at a scale of 1" = 200", showing the exterior lines of all proposed streets in the subdivision and their location in relation to one (1) or more existing streets or portions thereof;
i. A sketch plan, acceptable to the Board, showing a prospective street layout for any adjacent land owned or controlled by the owner or Applicant of the subdivision;
j. Sixteen (16) copies of an Environmental and Community Assessment Report, as required by Section 8; and
k. The definitive plan shall not be deemed to have been submitted to the Planning Board until the application, plan, and fee herein required have been delivered to the Planning Board at a regular or special meeting. Receipt will be acknowledged by signature of a majority of the Board on each copy of the application, two of which will be returned to the Applicant. Thereafter, the Applicant shall file by delivery or by certified mail a notice with the Town Clerk stating the date of submission of plan and accompanied by a receipted copy of the application form.

3.322 Plan Form

The definitive plan shall be prepared by an engineer and surveyor and shall be clearly and legibly drawn at a scale of 1” = 40’ in black India ink upon sheets of tracing cloth or Mylar, 24” x 36”, with 1.5” border except on the left side which shall be 2.25”.

If multiple sheets are used, they shall be accompanied by an index sheet showing the entire subdivision.

3.323 Plan Content

The definitive plan shall contain or be accompanied by the following information:

a. Subdivision name, boundaries, true north point, date and scale;
b. Names and addresses of present record owner(s) and Applicant, and name(s) of the engineer and surveyor who prepared the plan; certificates and seals of the engineer and surveyor; and a certificate that all surveying conforms to the requirements of the Massachusetts Land Court;
c. Names of all abutters as determined from the most recent tax list;
d. Zoning district boundaries, if any, and the General Zoning Classification of the area;
e. Existing and proposed lines of streets, lot numbers (as assigned by the Assessors Department), rights-of-way, easements, and any public or common areas within the subdivision. (The proposed names of streets are subject to review and approval by the Board.);
f. Location, names and present widths of streets bounding, approaching, or within reasonable proximity of the subdivision;
g. Boundary lines, areas in square feet, and dimensions of all proposed lots, with all lots designated numerically and in sequence;
h. Sufficient data including lengths, bearings, radii, and central angles to determine the exact location, direction and length of every street line, lot
line and boundary line and sufficient survey data referred to existing permanent monuments such that these lines may be readily established on the ground based on the North American Datum of 1983 (units in feet) or its successor;

i. Corner (i.e., intersection) and stopping sight distances shall be shown in plan and profile view, respectively, along roadways and at intersections within and adjoining the proposed subdivision in accordance with “A Policy on Geometric Design of Highway and Streets Latest Edition (Country 2001) published by the American Association of State Highway and Transportation Officials”;

j. Sufficient permanent benchmarks, referred to the North American Vertical Datum of 1988 (unit in feet) or its successor, properly identified;

k. Location of natural waterways, water bodies and wetlands, watershed protection, aquifer protection and flood plain districts within and adjacent to the subdivision. In addition, a notation on the coversheet of the definitive plan shall be signed by the Wrentham Conservation Commission or its authorized agent certifying that the lands and related buffers subject to the provisions of MGL c.131 §40 and Article 16 of the Town of Wrentham Bylaws are accurately shown on the definitive plan or that no such lands and related buffers extend within the proposed subdivision;

l. Monuments at all points of curvature and at changes in directions of street side lines or where designated by the Board;

m. Size, material, type and location of existing and proposed storm drains, water mains, hydrants and sewers including all appurtenances, within and adjacent to the subdivision;

n. Suitable space to record the action of the Board and the signatures of the members of the Board on each sheet of the definitive plan;

o. Major site features, such as existing stone walls, fences, buildings, rock ridges, rock outcroppings, swamps, trees over five (5) inches in diameter, or the perimeter of heavily wooded areas;

p. In the event that a preliminary plan has not been submitted, the existing topography of the land will be shown based on a benchmark set to the North American Vertical Datum of 1988 (units in feet) or its successor. The proposed topography of the land will be shown at five (5) - foot intervals, based on an actual survey. The proposed topography will be indicated by dashed lines with proposed elevations shown enclosed in blocks;

q. The location of the proposed fire alarm system;

r. The location of the proposed street lighting system;

s. A separate plan for each proposed street, including bridges, in the subdivision, at a horizontal scale of 1” = 40’, showing for each such proposed street: side lines, center line, points of tangency, length of tangents, length of curves, and the location of permanent monuments and bench marks, together with all lot lines, buildings, and other major features within 40 feet of the exterior lines of such street. The layout plan shall also show the size and location of all proposed water mains, valves and hydrants within the street, together with their appurtenances. On the same
sheet there shall be drawn cross-sections of the proposed street, properly located and identified by station number, at such intervals along the street as will indicate adequately any variations in its section. These shall be supplemented where necessary by lines on the plan showing the width and location of proposed roadways, planting strips, gutters, sidewalks and similar physical features.

Directly above or below the plan of each proposed street, a profile shall be drawn at a horizontal scale of 1” = 40’ and a vertical scale of 1” = 4’ showing for such street existing centerline grades in fine black solid line, existing exterior left side line in fine black short dash line, existing exterior right side line in fine black long dash line, and proposed finished centerline grades in heavy solid line. Proposed grade elevations shall be shown by figures at beginning and end of the street at 50 - foot station intervals and at the beginning and end of all vertical curves. Rates of gradient in percentage shall also be shown. All elevations shall refer to North American Vertical Datum of 1988 (units in feet) or its successor. Profiles shall also indicate the location of any intersecting public or private ways, and location of existing and proposed storm drains, water mains, sewers, other public utilities, and their appurtenances.
3.324 Review of Board of Health as to Suitability of the Land

At the time of filing of the definitive plan, the Planning Board shall transmit to the Board of Health, in accordance with the Subdivision Control Law, one (1) contact print of the definitive plan. The Board of Health shall, within the time prescribed by the Subdivision Control Law after receipt of the plan, report to the Planning Board in writing, approval or disapproval of said plan, in accordance with the Subdivision Control Law.

3.325 Review of WDPW and Wrentham Fire Department

At the time of filing of the definitive plan, the Planning Board shall transmit one (1) copy of the definitive plan to the WDPW and the Fire Department. These agencies may review the plan and submit recommendations to the Board.

3.326 Public Hearings

Before approval, modification and approval, or disapproval of the definitive plan is given, a public hearing shall be held by the Board in accordance with the Subdivision Control Law. Legal notice of the public hearing shall be given by the Board to the Applicant and to all abutters as appear on the most recent local tax list. Publication of the legal notice and the mailing of the notices to the abutters shall be at least 14 days prior to the public hearing.

3.327 Approval, Modification or Disapproval

The Board shall approve, modify or disapprove the definitive plan in accordance with the requirements of MGL c.41 §§81K – 81GG.

3.328 Certificate of Approval

The action of the Board in respect to said plan shall be by vote, copies of which shall be filed with the Town Clerk and sent by certified mail to the Applicant. If the Board modifies or disapproves said plan it shall state in its vote the reason for its action. Final approval, if granted, shall be endorsed on the original drawing of the definitive plan by the signatures of a majority of the Board, but not until the statutory 20 - day appeal period has elapsed following the filing of the certificate of the action of the Board with the Town Clerk, and said Clerk has notified the Board in writing that no appeal has been filed.

Within 30 days after the return to the Applicant of the definitive plan, as approved and endorsed, he shall obtain and furnish to the Board four prints of said plan showing any modifications and final endorsement. Prints shall be black line on white background. No lots shall be released by the Board until the Applicant has filed with the Board the above prints.
Approval of the definitive plan shall not be deemed to constitute the laying out or acceptance by the Town of any streets within a subdivision.

3.329 Performance Guarantee

Before endorsement of a definitive plan of a subdivision, the Applicant shall agree to complete the required improvements specified in Sections 6 and 7 for all lots in the subdivision, such construction and installation to be secured by one (1), or a combination of the following, as determined by the Board.

a. Final Approval with Bonds or Surety

The Applicant shall either file a surety company performance bond or a deposit of money or approved negotiable securities in an amount determined by the Board to be sufficient to cover the cost of all or any part of the improvements specified in Sections 6 and 7 not covered by a covenant, under "b" below. Such bond or security, if filed or deposited, shall be contingent on the completion of such improvements within one year of the date of the bond or surety. A time extension may be granted by the Board at its discretion. See Planning Board's Fee Schedule for required Bond Estimate fee.

b. Final Approval with Covenant

The Applicant shall file a covenant, Form 4 (see Appendix) executed and duly recorded by the owner of record, running with the land, whereby such ways and services as specified in Sections 6 and 7 not covered by bond or deposit under "a" above, shall be provided to serve any lot before such lot may be built upon or conveyed, other than by mortgage deed.

3.330 Reduction of Bond or Surety

The sum of any required bond or other surety, or the amount of any deposit held hereunder may from time to time be reduced by the Board and the obligations of the parties thereto released by the Board in whole or in part (see Appendix Form 5). See Planning Board's Fee Schedule for required Bond Reduction fee.
3.331 Release of Performance Guarantee

Upon the completion of improvements required in Sections 6 and 7, security for the performance of which was given by bond, deposit, covenant, or upon the performance of any covenant with respect to any lot, the Applicant may request and agree on terms of release with the Board, or he may send by certified mail to the Town Clerk a written statement in duplicate that the construction or installation in connection with such bond, deposit or covenant has been completed in accordance with the requirements contained in Sections 5, 6 and 7. The Town Clerk shall forthwith furnish a copy of said statement to the Board.

If the Board determines that said improvements have been completed, it shall release the interest of the Town in such bond and return the bond or the deposit to the person who furnished the same, and/or release the covenant by appropriate instrument, Certificate of Release of Covenant (see Appendix Form 6) duly acknowledged, with a copy to the Building Inspector. If the Board determines that said improvements have not been completed, it shall, within 45 days, specify to the Applicant by certified mail and to the Town Clerk the details wherein said improvements fail to comply with its rules and regulations.

3.332 Evidence of Satisfactory Performance

Before the Board will release the interest of the Town in the performance bond or deposit or, in the case of approval with covenant, issue a release of covenant:

a. The Applicant shall file with the Board a certified copy of a separate layout plan (with accompanying cross-sections and profile) for each street in the subdivision (or, in the case of approval with covenant, of the street or streets serving the lots for which a release is desired). Certification shall be by the engineer and surveyor employed by the Applicant at his expense, and shall indicate that all easements, streets, sidewalks, sewers, storm drains, and water mains and their appurtenances have been constructed in accordance with the lines and grades of said plan and are accurately located as shown thereon;

b. The Board shall obtain from the Applicant a statement in writing from the WDPW (see Appendix - Form 7) that all work under its jurisdiction required by these Rules and Regulations has been inspected and completed in each street or streets serving the lots covered by the surety), including storm drains, water mains and appurtenances, hydrants, bridges and sidewalks and that it has approved the construction and materials used in the performance of such work; and
c. In addition to five (5) black-line prints, an electronic file and media as specified in the Town of Wrentham Computer File Standards of said layout plan and related profile(s) shall be submitted referencing the location of streets and related improvements to the State Plane Coordinate System and the North American Datum of 1983 (units in feet) or its successor. In lieu of the electronic file, a fee as stipulated in the Planning Board Fees Schedule shall be paid by the Applicant to cover the expenses of the Town to update its maps and related records.

3.333 Phasing of Subdivision Construction

Paragraph “a” below shall be noted on any portion of an approved definitive subdivision plan, which is to be recorded at the Norfolk County Registry of Deeds. Documentation that said portion of the plan has been recorded shall be furnished to the Planning Board prior to release of any Covenant.

a. No less than 48 hours beforehand, the Wrentham Planning Board and the WDPW shall receive written notice from the Applicant of the commencement of clearing and excavation within a subdivision site related to the installation of required improvements. Approval of this plan shall be deemed no longer in effect (i.e., rescinded) if:

1. Construction of improvements required under Section 6 and 7 (of the WSRR) has not commenced within 24 months from the date of endorsement of the definitive subdivision plan; or,
2. Construction of improvements required under Section 6 and 7 (of the WSRR) has not commenced within six (6) months after the initiation of the related clearing and rough grading of land within a subdivision site.

Said periods of performance may be extended, provided the Applicant requests and the Board votes, prior to the expiration of their respective 24-month or six (6)-month periods, an extension of up to 12 additional months on the period for which construction shall begin. (Prior to granting an extension, the Board shall consider the justifications for the delays and whether a reasonable basis exists to expect appreciable progress with the installation of required improvements over the next 12-month period.) Prior to the expiration of each extension period, the Board (based on the same considerations) may thereafter grant additional 12-month extensions. All extensions shall be recorded at the Norfolk County Registry of Deeds and documentation of said recording shall be provided to the Board prior to the release of the Covenant. In the event that no extensions have been requested or granted, any subsequent plans to subdivide the site shall be subject to the Rules and Regulations Governing the Subdivision of Land existing at the time of such submission.
b. Once construction of improvements required under Sections 6 and 7 has commenced, said construction shall be completed within 36 months from the date of endorsement of the definitive subdivision plan or within 24 months from the initiation of the related clearing and rough grading of land within a subdivision site, whichever is later. Failure to complete said construction as so stated shall allow assumption of the performance guarantee at any time thereafter by the Planning Board to complete said construction, unless the Applicant requests and the Board votes, prior to the expiration of the applicable 36 or 24 - month period, an extension of up to 12 additional months on the period to allow the completion of construction. (Prior to granting an extension, the Board shall consider the justifications for the delays and whether a reasonable basis exists to expect appreciable progress with the installation of required improvements over the next 12 - month period.) Prior to the expiration of each extension period, the Board (based on the same considerations) may thereafter grant additional 12 - month extensions. As a condition of granting an extension, the Board may require additional funds to be provided by the Applicant to cover any increase in construction costs or potential need to repair existing improvements during the extension period.
4. GENERAL REQUIREMENTS FOR LAND SUBDIVISION

4.1 PUBLIC WATER SUPPLY

All lots within the subdivision shall be provided with water either by connection to the Town of Wrentham's public water supply system or by suitable driven wells approved by the Board of Health, Town of Wrentham. Water mains and their appurtenances must be installed in accordance with the rules and regulations of the WDPW and approved by the Board. Size of water mains shall be as recommended by the WDPW and as required by the Board.

4.2 PUBLIC SEWERS AND PRIVATE ON-LOT SYSTEMS

4.21 Public sewers will be required if, in the opinion of the Board, connection to the Town of Wrentham's public sewerage system is feasible.

4.22 Where private on-lot sewerage systems are installed, such systems shall be designed in accordance with the Board of Health, Town of Wrentham, Massachusetts, rules and regulations, and the State Sanitary Code, Article XI, of the Department of Public Health, Commonwealth of Massachusetts, "Minimum Requirements for the Disposal of Sanitary Sewage in Unsewered Areas".

4.3 PUBLIC UTILITIES

4.31 Electricity

Electrical power lines shall be installed underground and in accordance with the requirements of the Massachusetts Department of Public Utilities and the Board (see Figure 1.)

4.32 Telephone

Telephone lines shall be installed underground and in accordance with the requirements of the Massachusetts Department of Public Utilities and the Board (see Figure 1.)

4.33 Gas

Gas supply lines shall be installed underground and in accordance with the requirements of the Massachusetts Department of Public Utilities and the Board (see Figure 1.)
4.4    STREETS

4.41    Minor Streets

4.411    Width

    Street layouts shall not be less than 45 feet in width. Streets which, in the opinion of
    the Board, may become collector streets must be at least 50 feet in width.

4.412    Grades

    Grades of less than one (1) percent (1.0%) or more than eight (8) percent (8%) shall be
    approved only under exceptional circumstances by the Board.

4.413    Cross-section

    Streets shall be constructed in accordance with the standards as shown on the "Typical
    Cross-sections for Street Layouts". (See Figure 1 and Section 5.1.)

4.42    Collector Streets

4.421    Width

    Street layouts shall not be less than 50 feet in width. Streets which, in the opinion of
    the Board, may become arterial streets must be at least 80 feet in width.

4.422    Grades

    Grades of less than one percent (1.0%) or more than seven (7) percent (7%) shall be
    approved only under exceptional circumstances by the Board.

4.423    Cross-section

    Streets shall be constructed in accordance with the standards as shown on the "Typical
    Cross-sections for Street Layouts". (See Figure 1 and Section 5.1.)

4.43    Arterial Streets

4.431    Width

    Street layouts shall not be less than 80 feet in width.
4.432 Grades

Grades of less than one (1) percent (1%) or more than five (5) percent (5%) shall be approved only under exceptional circumstances by the Board.

4.433 Cross-section

Streets shall be constructed in accordance with the standards as shown on the "Typical Cross-sections for Street Layouts". (See Figure 1 and Section 5.1.1)

4.44 Commercial - Industrial Streets

4.441 Width

Street layouts shall not be less than 60 feet.

4.442 Grades

Grades of less than one (1) percent (1%) or more than five (5) percent (5%) shall be approved only under exceptional circumstances by the Board.

4.443 Cross-section

Streets shall be constructed in accordance with the standards as shown on the "Typical cross-sections for Street Layouts". (See Figure 1 and Sections 5, 6, and 7.)

4.45 Dead-End Streets (See Section 2.2)

Dead-end streets shall not be longer than 1,500 feet.

No dead-end shall be extended off an existing dead-end unless it is extended to an existing roadway or a through street.

4.46 Rotary Circles or Cul-de-sacs and Back-up Strips

The layout of rotary circles or cul-de-sacs shall have a radius of not less than 60 feet nor (for purposes of maintaining “vital access” to the lot frontage) greater than 75 feet at the terminus of dead-end streets (see Figure 2.)

4.47 Temporary Rotary Circles or Cul-de-sacs and Back-up Strips (see Figure 2)

The Board requires the construction of temporary rotary circles or cul-de-sacs on dead-end streets where possible extension into adjacent land can be anticipated.
4.48 **Street Grades**

Street grades shall follow the natural contour of the land as nearly as is possible so as to minimize excessive cuts and fills.

4.5 **DRAINAGE**

4.51 Stormwater management for each subdivision shall accomplish the following:

a. Proposed conditions shall replicate the hydrological conditions of the ground and surface waters prior to the development;

b. Have an acceptable future operation and maintenance plan covering methods and execution of the plan to ensure BMPs and stormwater management system functions as designed;

c. Have a beneficial effect on the natural and human environment;

d. Be appropriate for the site, given the site’s specific physical constraints, i.e., limit rock cut, depth to groundwater;

e. Provide a sufficient level of health and environmental protection during the construction phase;

f. Provide proper management prior to the discharge of such runoff onto adjacent property owned by others, into the existing storm drainage system, or wetland resources listed in the Wetland Protection Act Regulations, 310 CMR 10.00; and

g. Maintain the same total rate of runoff being discharged off the site between pre and post-development conditions as well as endeavor to do the same with total volume of runoff.

4.52 Storm drainage shall be designed in accordance with Section 5 and installed in accordance with Section 6.

4.6 **EARTH REMOVAL**

4.61 The tentative or final approval of a subdivision plan by the Planning Board shall not be construed as authorizing the removal of material from the premises, except in connection with the construction of streets shown on the plan.

4.62 All other earth removal within subdivisions shall be in accordance with the Rules and Regulations Governing Earth Removal for the Town of Wrentham, Massachusetts.

4.63 Top soil for lots shall be stockpiled on site and used on the site. Excess topsoil from lots shall be removed from site if necessary, upon completion of the finish grading operation provided that it does not constitute earth removal per Zoning By-Laws, Article 14 and it is approved by the Wrentham Building Inspector.
4.7 TOWN ACCEPTANCE

Completed utilities and roads are required to satisfactorily pass one complete winter prior to presentation to the Town for acceptance. Prior to the Planning Board signing off on road acceptance plans, the appropriate fee as stipulated in the Planning Board's Fee Schedule shall be paid.
5. DESIGN STANDARDS

Subdivisions shall be designed in accordance with the following specific standards.

5.1 STREETS

5.11 Location

5.111 Streets in the subdivision shall be coordinated with each other and with the existing street system in a manner satisfactory to the Board, with due regard to securing safety and convenience of travel.

5.112 Provision satisfactory to the Board shall be made for the proper extension of streets, easements, or for access to adjoining property which is not yet subdivided.

5.113 Reserve strips prohibiting access to streets or adjoining property shall not be permitted, except where, in the opinion of the Board, such strips shall be in the public interest.

5.12 Cross-sections

Cross-sections shall be in accordance with the standards as shown on the "Typical Cross-sections for Street Layouts" which are herewith made a part of these Rules and Regulations (see Figure 1).

5.13 Alignment and Intersections

5.131 Alignment shall be in accordance with the standards shown on Table 1.

<table>
<thead>
<tr>
<th>Type of Street</th>
<th>Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minor</td>
<td>150 ft.</td>
</tr>
<tr>
<td>Collector</td>
<td>300 ft.</td>
</tr>
<tr>
<td>Arterial</td>
<td>500 ft.</td>
</tr>
<tr>
<td>Industrial-Commercial</td>
<td>300 ft.</td>
</tr>
</tbody>
</table>

5.132 Streets shall be laid out so as to intersect as nearly as possible at right angles. No street shall intersect any other street at less than a 60 - degree angle.

5.133 Property lines at street intersections shall be rounded or cut back to provide for a curb radius of not less than 25 feet.
5.134 Intersection Centerline Offsets

For all types of streets except arterial, the centerline offset distance between intersections shall be a minimum of 200 feet and for arterial shall be 500 feet.

5.135 Sight Distances

Proposed streets shall be located to afford no less than the minimum corner (i.e., intersection) and stopping sight distances along intersecting streets, both within and adjoining the subdivision, in accordance with “A Policy on Geometric Design of Highway and Streets Latest Edition (Country 2001) published by the American Association of State Highway and Transportation Officials”.

5.14 Bridges

Bridges shall be designed in accordance with Massachusetts Department of Public Works "Bridge Design Standards" in force at the time of filing of the application. Design of bridges shall be approved by the Division of Waterways of the Massachusetts Department of Public Works where required.

5.2 DRAINAGE

5.21 Design Criteria

5.211 Stormwater management systems shall be designed in accordance with “Managing Stormwater in Massachusetts Volume One: Stormwater Handbook and Volume Two: Best Management Practices (BMP) Manual”, published by the Massachusetts Department of Environmental Protection (DEP), dated March 1997 and as may be amended regardless of whether the subdivision is subject to the Wetlands Protection Act. The methodologies for evaluating hydrology and stormwater management are to be consistent with the “Hydrology Handbook For Conservation Commissioners", published by the DEP, dated March 2002.

5.212 Stormwater management, including detention, retention, and infiltration systems, must be designed to prevent any increase or decrease in peak and total flow rates for the two (2), 10, 50 and 100 - year Soil Conservation Service Type III design storms. In addition, drainage systems shall include water quality/settling basins or water quality inlets that treat and detain the first flush of stormwater. Its design shall be based on a 5/10 - inch rainstorm for an average of at least six (6) hours, unless within a critical area as defined by DEP, in which case a 1.0-inch rainstorm during the same time period shall be considered. Stormwater basins shall be sized and designed for a 100 - year storm event.

5.213 The average rainfall intensity in inches per hour shall be obtained from the Technical Paper No. 40 (TP-40) Atlas.

5.215 The use of relatively small open drainage basins (e.g. “rain gardens”) and unlined channels located within each sub-drainage area of a given subdivision shall normally serve as the method of treating and managing stormwater flows. Other methods may be allowed if the Board determines, based on submitted documentation by the Applicant, that it, as compared to the system design that will normally be required, would; 1) be more appropriate given site-specific environmental conditions; 2) offer at least the same level of managing and treating stormwater flows; and, 3) not present inordinate costs to maintain, repair and replace in the future. In such cases, the requirements imposed herein upon stormwater basins shall apply to any alternative drainage facility.

5.216 Test borings to document soils and high ground water elevations are required at proposed locations of all stormwater basins. The bottom of all proposed stormwater basins designed to detain drainage flows (rather than to retain flows so as to ultimately create a wetland filter) shall be at least two (2) feet higher than the annual high groundwater elevation as adjusted by factors promulgated by the Wrentham Board of Health in designing subsurface wastewater treatment systems.

5.217 The hydrologic soil unit shall be identified and submitted with the calculations. Stormwater basins shall be shall be sized and designed for a 100 - year storm event and drainage pipes connecting to these systems shall be sized for a 25 - year storm event. Calculations and a narrative shall be submitted to document the effects of the 100 - year storm on the drainage pipes and demonstrate how all stormwater discharges to the basins. All culverts shall be designed for the 50 - year storm event.

5.218 Emergency spillways will be designed to allow passage of the design outflow without causing the water elevation to rise above a pre-designed elevation. A freeboard of one (1) foot will be required between the detained water elevation and the top of the embankment during peak design conditions.

5.219 Embankments along drainage basins shall have a 4:1 slope. If a 4:1 slope is readily feasible, but would result in the disturbance of significant environmental conditions, a 3:1 slope may be allowed. In either case, the deepest portion of the basin shall not exceed three (3) feet and shall remain separated at least two (2) feet above the annual high water table (unless designed to retain flows as specified in Section 5.216).

5.220 Definitive Subdivision Plans shall include a design detail and cross section of the proposed stormwater basin or subsurface treatment facility, which shall include details of the invert construction at both the inlet and discharge.
5.221 A stormwater basin and related appurtenances shall be located within the subdivision they are serving unless drainage would be directed to a stormwater management system elsewhere that was designed to be readily upgraded to accept flows from the proposed or other nearby development (see Section 5.245).

5.222 A stormwater basin and related appurtenances outside a proposed street layout shall be located either on:

a. A parcel of land separate from any building lot that extends no less than 20 feet in width to an existing or proposed street; or,
b. Within a portion of a building lot that would be located outside its minimum lot area as required in that zoning district.

However, to avoid potential conflict between basins or other drainage improvements and other activities within the lot as noted in paragraph b above, said minimum lot area, where no stormwater basin would be allowed, must also be shown to comply with build-factor and Watershed Protection District area requirements of the Wrentham Zoning Bylaws (i.e. Sections 5.2e. and 6.2). (For example, a basin may be located within a half-acre portion of an 1 1/2 acre building lot within an R-43 Zoning District, provided the remaining acre is configured to meet Section 6.2. and has sufficient area outside the Watershed Protection District.)

5.223 In Open Space Preservation Developments, a stormwater basin and related appurtenances shall not be located within the minimum upland and/or minimum total area required for the Common Open Space. (For example, a stormwater basin may be located within an “excess” upland area, which is outside the minimum required total area of Common Open Space (i.e. 30% of the total land area within a given OSPD) as well as the 50% of the minimum Common Open Space area that must be comprised of upland.)

5.224 A drainage basin and related appurtenances that are within a building lot shall be located toward the side or rear property lines of said lot. However, a basin may be located toward the front portion of the lot if it would lessen impact on sensitive environmental conditions elsewhere or serve another public interest as determined by the Planning Board, provided outflows from the basin can be properly directed away from nearby streets and other properties. Furthermore, a basin shall not further reduce or effectively leave less than 50% of the area between the required frontage distance and the location of where a principal structure would be constructed on a lot to be comprised of wetlands and/or existing grades of greater than 15% in order to ensure viable vehicular access to the lot. In no case, shall the outermost edge of a stormwater basin be located less than 25 feet from any roadway layout.
5.225 Stormwater basins with greater than 500 cubic feet in capacity shall be screened from adjacent lots and roadways by a greenbelt of trees and shrubs not more than 15 feet apart planted in two staggered rows. Such trees or shrubs shall be not less than 8 feet in height at the time of planting.

5.226 To facilitate future maintenance of improvements, designated access from a street to any stormwater basin shall not exceed a slope of three (3) horizontal feet to every one (1) vertical foot at any point along its course.

5.227 Stormwater basins and any parcel they are located thereon (if outside of any building lot) shall be conveyed to the Town upon acceptance of any related street layouts by the Town. In cases when the street layout and related improvements are to be privately maintained after the final release of the subdivision performance guarantee, Articles of Organization for establishing a Property Owners Association within the development shall be submitted to and receive approval from Town Counsel as to its form before the endorsement of the Definitive Subdivision Plan. Said Articles of Organization shall thereafter be recorded at the Norfolk County Registry of Deeds and a copy of which shall be provided to the Planning Board prior to the release of the Subdivision Covenant.

5.23 Drain and Channel Sizes

5.231 Capacity of drainage pipes, culverts and drainage channels shall be determined on the basis of 25 - year storm intensity. Computation shall be based on full development of all tributary areas upgradient of each system. Runoff analyses shall be calculated by using the “Rational Method”. The runoff coefficients are shown on Table 2. All drains shall be sloped to provide for a minimum velocity of 2 feet per second and a maximum design velocity of 10 feet per second under full flow conditions. Where natural drainage courses would otherwise be obstructed, culverts or similar structures approved by the Board shall be installed to restore natural drainage. Capacity of these structures shall be determined on the basis of 50 - year storm intensity.
Table 2. Runoff Coefficients for Rational Formula

<table>
<thead>
<tr>
<th>Type of Drainage Area</th>
<th>Runoff Coefficient, C*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business:</strong></td>
<td></td>
</tr>
<tr>
<td>Downtown areas</td>
<td>0.70 – 0.95</td>
</tr>
<tr>
<td>Neighborhood areas</td>
<td>0.50 – 0.70</td>
</tr>
<tr>
<td><strong>Residential:</strong></td>
<td></td>
</tr>
<tr>
<td>Single-family areas</td>
<td>0.30 – 0.50</td>
</tr>
<tr>
<td>Multi-units, detached</td>
<td>0.40 – 0.60</td>
</tr>
<tr>
<td>Multi-units, attached</td>
<td>0.60 – 0.75</td>
</tr>
<tr>
<td>Suburban</td>
<td>0.25 – 0.40</td>
</tr>
<tr>
<td>Apartment dwelling areas</td>
<td>0.50 – 0.70</td>
</tr>
<tr>
<td><strong>Industrial:</strong></td>
<td></td>
</tr>
<tr>
<td>Light areas</td>
<td>0.50 – 0.80</td>
</tr>
<tr>
<td>Heavy areas</td>
<td>0.60 – 0.90</td>
</tr>
<tr>
<td><strong>Parks, cemeteries</strong></td>
<td>0.10 – 0.25</td>
</tr>
<tr>
<td><strong>Playgrounds</strong></td>
<td>0.20 – 0.40</td>
</tr>
<tr>
<td><strong>Railroad yard areas</strong></td>
<td>0.20 – 0.40</td>
</tr>
<tr>
<td><strong>Unimproved areas</strong></td>
<td>0.10 – 0.30</td>
</tr>
<tr>
<td><strong>Lawns:</strong></td>
<td></td>
</tr>
<tr>
<td>Sandy soil, flat, 2%</td>
<td>0.05 – 0.10</td>
</tr>
<tr>
<td>Sandy soil, average, 2 – 7%</td>
<td>0.10 – 0.15</td>
</tr>
<tr>
<td>Sandy soil, steep, 7%</td>
<td>0.15 – 0.20</td>
</tr>
<tr>
<td>Heavy soil, flat, 2%</td>
<td>0.13 – 0.17</td>
</tr>
<tr>
<td>Heavy soil, average, 2 – 7%</td>
<td>0.18 – 0.22</td>
</tr>
<tr>
<td>Heavy soil, steep, 7%</td>
<td>0.25 – 0.35</td>
</tr>
<tr>
<td><strong>Streets:</strong></td>
<td></td>
</tr>
<tr>
<td>Asphalitic</td>
<td>0.70 – 0.95</td>
</tr>
<tr>
<td>Concrete</td>
<td>0.80 – 0.95</td>
</tr>
<tr>
<td>Brick</td>
<td>0.70 – 0.85</td>
</tr>
<tr>
<td><strong>Drives and walks</strong></td>
<td>0.75 – 0.85</td>
</tr>
<tr>
<td><strong>Roofs</strong></td>
<td>0.75 – 0.95</td>
</tr>
</tbody>
</table>

* Higher values are usually appropriate for steeply sloped areas and longer return periods because infiltration and other losses have a proportionally smaller effect on runoff in these cases.

Primary Reference: ASCE, 1992 and Rossmiller, 1980
5.232 Drainage pipes shall have a minimum diameter of 12 inches. In general, they should be designed to flow full with the hydraulic gradient at the crown. In determining the capacity of reinforced concrete pipe drains, the Manning Roughness Coefficient for friction "n" shall equal 0.013. In determining the capacity of high-density polyethylene (HDPE) pipe drains, the Manning Roughness Coefficient for friction "n" shall equal 0.012.

5.233 If roadway sub-drainage is required, rigid perforated HDPE pipe of appropriate size shall be used. Installation shall conform to that shown in Figure 5.

5.24 Drainage Collection System

5.241 Within the subdivision roadway, stormwater runoff shall not be permitted to flow upon the surface for a distance greater than 300 feet. Catchbasins shall be located on both sides of the roadway on continuous grades at intervals of not more than 300 feet, at all low points in the roadway, and near the corners of the roadway at intersecting streets.

5.242 All catchbasins shall be connected to the drainage system through manholes. Manholes shall be provided at all changes in alignment, grade or drainage pipe size. The maximum distance between manholes shall not exceed 300 feet.

5.243 All catch basins shall have four (4) - foot sumps.

5.244 The maximum depth of any portion of the drainage system shall be 10 feet below finished grades.

5.245 Where adjacent property is not subdivided, provision shall be made for extension of the drainage system. In such cases, the Board may require additional area to be set aside to allow future expansion of a stormwater basin, adjustments to the size of drainpipes, or similar measures which could ultimately accommodate additional flows from the adjacent property.

5.246 Where existing drainage systems discharge onto the property being subdivided, provision shall be made for accepting that drainage into the proposed drainage system.

5.247 Private Drains: Perimeter drains, cellar drains or any other form of drainage collection system within a building lot shall neither be connected into manhole and catch basin structures within a street nor discharge within 20 feet of a street layout.
5.248 Stormwater basins and other related or similar improvements that are designed to primarily manage drainage flows within certain lots (as opposed to primarily benefiting areas outside of said lots) shall be the sole responsibility of the current and future owners of said lots to properly maintain and replace, when necessary. The design of said improvements shall nonetheless be subject to approval by the Board in terms of its potential affect on drainage systems along proposed and existing roadways. Documents shall be recorded at the Norfolk County Registry of Deeds allowing the Town to enter upon said lots to make any necessary repairs to said drainage improvements therein should flows from said improvements exceed original design parameters and undermine the drainage system along nearby public ways. In such an event, a municipal lien shall be placed on the lot for the cost of such work performed by the Town unless the lot owner provides prior compensation to the Town.

5.3 WATER

5.31 Mains

Public water mains shall be no less than eight (8) inches in diameter.

5.32 Hydrants

There shall be a hydrant at a maximum of 500 - foot intervals except in Commercial and Industrial zones, where there shall be a hydrant at a maximum of 300 - foot intervals. Each hydrant shall be served directly from the water main through a 6" lateral connection. It shall be gated with a 6" gate valve attached to the “T Branch” and shall have two (2) 1.5" hose outlets and one (1) 4.5" pump outlet. All hydrant threads are to be N.S.H.T. The 4.5" pump outlet shall be at least 18" above the finished grade. Flange of the hydrant shall be level with the finished sidewalk surface. For location of hydrants, see Section 7.63.

5.33 Connection to Public System

Where the municipal water system is located within 2,000 feet of a proposed subdivision, said subdivision shall connect to the municipal water system solely at the expense of its Applicant. The Board may waive this requirement in lieu of the Town receiving from the Applicant proportionate funding toward the extension of the public water system in consideration of the number of lots within the proposed subdivision, the distance from the closest connection and other relevant factors. In no case should this requirement be waived if a proposed subdivision would or could contain 20 or more lots.
Where a subdivision is not to be connected to the municipal water system upon
the construction of its roadways, it shall have installed therein:

a. A private on-site well on each lot to serve the domestic water demand of
   its principal use in accordance with applicable local and state regulations;

b. An alternative fire suppression system acceptable to both the Wrentham
   Fire Department and the Board that complies with National Fire Protection
   Association (NFPA) Standards; and

c. “Dry water mains” in accordance with applicable DPW regulations in any
   street where, in the opinion of the Planning Board, municipal water service
   will become accessible within a period of five (5) years.

5.34 Valves

Valves shall be located in such number and locations that lines by individual
block may be isolated for maintenance purposes, including the Town water
system connection points.

5.4 EASEMENTS

5.41 Easements for storm drains, sanitary sewers or water mains across lots, or
centered on rear or side lot lines, shall be provided for the Town where
necessary and shall be at least 30 feet wide. No easement shall be permitted
across land of others unless an agreement in proper form (see Appendix –
Form 8) is obtained permitting such an easement.

5.42 Easements extending no less than 15 feet from the uppermost elevation of a
stormwater basin, swale, channel and all other forms of conveyances or flow
paths associated with stormwater management shall be required.

5.43 Where a subdivision is traversed by a watercourse, drainage way, channel or
stream, the Board may require that there be conveyed to the Town without cost a
storm water easement of adequate width (20 - 100 feet - centered approximately
on the center line of the watercourse, drainage way, channel or stream)
depending upon the width of the stream. This easement shall conform
substantially to the lines of such watercourse, drainage way, channel or stream,
and shall provide for construction or other necessary purposes in relation thereto.

5.44 No building or on - lot sewerage system shall be erected within an easement.

5.45 All easements shown on said plans shall be conveyed to the Town and recorded
prior to any lot being sold or any covenant being released.
5.5 LOTS

All lots within the subdivision shall comply with the area, frontage and width requirements of the Zoning By-Laws for the Town of Wrentham, Massachusetts in effect at the time of application.

5.6 OPEN SPACES

Before approval of a plan, the Board may also require the plan to show a park or parks suitably located for playground or recreational purposes or for providing light and air in accordance with the Subdivision Control Law. The park or parks shall not be unreasonable in area in relation to the land being subdivided and to the prospective uses of such land. Final disposition of such area shall be in accordance with the Subdivision Control Law.

5.7 PROTECTION OF NATURAL FEATURES

Due regard shall be shown for all natural features, such as large trees, groups of trees, other major vegetation, watercourses, scenic points, historic spots, and similar community assets, which, if preserved, will add attractiveness and value to the subdivision. No trees over five (5) inches in diameter shall be cut except for roadways, driveways, and foundations without approval of the Board.

5.8 FIRE ALARM INSTALLATION

The fire alarm system shall be installed in accordance with the requirements of the Wrentham Fire Department.
6. IMPROVEMENTS IN SUBDIVISIONS

In subdivisions, the ways shall be constructed in accordance with Section 7 and municipal services installed in accordance with the following specific requirements:

6.1 DRAINAGE

The construction of the drainage system, including methods of construction and quality of materials used, shall be in conformity with the definitive plan and the details shall conform with the details of the most recent edition of MHD Standard Spec. for Highways and Bridges unless specific exception is made by the Board.

6.11 All catchbasins and manholes shall be constructed of pre-cast concrete, cement brick or of cement concrete blocks laid in cement mortar and plastered on the outside as approved by the Board. A detail of their construction shall be shown on the Definitive Subdivision Plan and shall meet applicable Massachusetts Highway Department Standard Specifications.

6.12 Catchbasin frames and covers shall be LeBaron Foundry Type LF248-2 or equal (see Figure 4), and manholes shall be provided with a No.4 State Standard Manhole Frame and Cover (see Figure 4). Their cast iron shall conform to ASTM A48 Class 30 with H-20 wheel load and all casting shall be made in the USA.

6.13 A granite inlet curb is to be furnished for all catchbasins and the installation shall be as directed by the WDPW and the Board. On each end of the granite inlet curb shall be a six-foot transition segment of vertical granite curbing.

6.14 All catchbasins and manholes shall be constructed in accordance with the "Typical Cross-section of Catchbasins and Manholes" (see Figure 5).

6.15 Reinforced Concrete Drain Pipe shall be installed under any roadway. Design specifications and installations must follow the requirements of the MassDOT, 2006 Project Development and Design Guide. Some basic requirement guidelines to follow are:

1. Preferably, pipes will be placed at a 5-foot depth to avoid frost penetration.
2. The minimum size of a trunk or lateral line shall be 12 inches.
3. All pipes shall be placed in a straight line. Where this is not cost effective on large diameter pipes, bends may be considered by the Board.
4. All pipe joints and connections shall be mortared or gasketed (per manufacturer’s specifications) to prevent infiltration or exfiltration.

Please refer to the table below for type of pipe required based on diameter, minimum and maximum cover:
Recommended Cover (Reinforced Concrete Drain Pipe)

<table>
<thead>
<tr>
<th>Diameter III</th>
<th>Modified</th>
<th>Extra Strength</th>
<th>Class III</th>
<th>Class IV</th>
<th>Class V</th>
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<tr>
<td>Inches</td>
<td>Min-Max</td>
<td>Min-Max</td>
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<td>8</td>
<td>24 in. to 17 ft</td>
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</tr>
<tr>
<td>24</td>
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<td>6 in. to 35 ft</td>
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<td></td>
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<td>27</td>
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<td>6 in. to 35 ft</td>
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<tr>
<td>72</td>
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<td>12 in. to 20 ft</td>
<td>6 in. to 35 ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Maximum cover shown is measured from finish grade.
2. Minimum cover shown is measured from subgrade for construction traffic.
3. Heavy weight cast iron pipe is required for subgrade cover less than 6 inches for laterals. For trunk line, use Class V reinforced concrete pipe.

(Source: MassDOT 2006 Project Development and Design Guide, Chapter 8 Drainage and Erosion Control.)

6.16 Where required by the WDPW and the Board, stone or reinforced concrete headwalls shall be installed. All open-ended pipes over 15 inches in diameter shall be provided with a vertical grate protection permanently attached to the end of the pipe. Horizontal distance between the vertical bars of the grate shall be approximately six (6) inches.

6.17 Subdrains shall be installed along side slopes or beneath paved areas when deemed necessary by the Board to avoid groundwater from flowing onto, across or beneath roadways. Subdrains shall be constructed as shown in the Massachusetts Highway Department Standard Specifications and in these Rules and Regulations (see Figure 5).

6.18 Prior to the release of the Subdivision Covenant, an as-built plan shall be submitted to the Board by the Engineer or Land Surveyor indicating thereon the invert grades of all drainage infrastructure, including catch basins and manholes as well as base and side slope elevations of all stormwater basins within the subdivision. The Engineer or Land Surveyor shall certify that the elevations and grades shown on this plan represent the elevations and grades as constructed.

6.2 WATER

The water system shall be installed in accordance with the definitive plan and shall be in conformity with the rules of and at the direction of the WDPW.

6.3 UNDERGROUND SERVICES

6.31 All water mains and laterals within the exterior lines of the street shall be installed
not less than five (5) feet below the finished grade of the street.

6.32 All water mains and laterals, shutoff valves and hydrants, culverts, manholes, storm drains, sewers, gas mains, and underground light, power, telephone and communication conduits within the exterior lines of the street shall be installed and inspected prior to any backfilling of trenches or other covering of the above services. The above services shall be installed prior to the completion of the roadway foundations. Fill material used for backfilling shall be placed and compacted by hand or by vibrating equipment around and above units to a depth of one foot above these units before completing the remaining filling.

6.33 Catchbasin gratings, manhole covers, water gates, etc., shall be set so that they are ½” below the finished surface of the street and shall be set in a bed of high-early strength cement mortar prior to the application of the finished bituminous concrete pavement. Sufficient time for "setting" of mortar shall be allowed. (Minimum time shall be 24 hours.)

6.4 LIGHTING

The location, height, intensity, and bulb type (e.g., florescent, sodium, incandescent) of all lighting fixtures shall be shown. The direction of illumination and methods to eliminate glare onto adjoining properties must also be shown.

Light standards are restricted to a maximum of 20 feet in height. Luminaries shall be shielded to prevent light shining beyond the lot lines onto neighboring properties.

Street lighting shall be placed at a minimum at the following: all intersections, the end of cul-de-sacs, and any other locations as designated by the Board and/or DPW Superintendent.

7. STREET CONSTRUCTION

7.1 STREETGRADING

7.11 The entire area of each street within its exterior lines and its adjoining sloped areas shall be cleared of all stumps, brush, roots, rocks, boulders and like material and also of all trees not intended for preservation.

7.12 Within each street, the roadway (including any required shoulders) shall be excavated for the full length and width to a depth of at least 15” below the finished surface or filled to a sub-grade the top of which is 15” below the finished surface. If the soil is soft or yielding, or contains rocks, boulders, clay, sand pockets, peat or other material detrimental in the opinion of the Board to the subgrade, such material shall be removed to such additional depth as required by the WDPW and the Board, and replaced with compacted material.
7.13 The roadway subgrade shall be inspected and approved prior to any further roadway construction.

7.14 Adequate dust control shall be provided at all times for all roadway construction.

7.2 ROADWAYS

7.21 Roadways shall be constructed for the full length and width of all streets within the subdivision shown on the definitive plan and in accordance with the "Typical Cross section for Street Layouts" (see Figure 1).

7.22 Paving

All roadways shall be paved to a thickness as specified herein with two courses of Class I Bituminous Concrete Pavement, Type I-1. The aggregate shall be composed, mixed and laid out in two courses as specified in Section 460 of the MHD Standard Specifications for Highways and Bridges, dated 1967, and as specifically set forth in Section 460.20 thereof. No bituminous concrete pavement shall be placed when the temperature falls below 40°F.
7.23 Roadways for Minor or Collector Streets

7.231 Roadways shall be provided with an aggregate base course, binder course, and a surface course.

a. The aggregate subbase course shall consist of well-graded gravel spread over the subgrade and compacted with appropriate equipment to 95% maximum density to a total depth of eight (8) inches. The material is to be compacted in four (4) - inch layers. The finished surface of the aggregate base course shall be four (4)” of dense graded crushed gravel, which may be modified at the discretion of the Supt. WDPW and shall conform to the “Typical Cross-section for Street Layouts” (see Figure 1).

b. The binder course of MHD, Class I Bituminous Concrete Pavement, Type I-1, (coarse-graded - ¾ - inch maximum size aggregate) shall be applied and rolled to a thickness of 2.5” with a 10 - ton tandem roller.

c. Before the surface course is applied, the surface of the binder course shall be swept clean and dry, and tack coated with emulsion designated RS-1 by machine at a rate of 1,110 gal./square yard and then leveled with a Leveling Course where settling has occurred before the application of the Surface Course. The Surface Course shall consist of MHD Class I Bituminous Concrete Pavement, Type I-1 (fine graded). It shall be applied on the binder course and shall be rolled to a thickness of 1.5” with a 10 - ton tandem roller. The surface course shall be hand tamped around structures and curbing.

7.24 Roadways for Arterial and Industrial-Commercial Streets

7.241 Roadways shall be provided with an aggregate base course, a binder course, and a surface course

a. The aggregate sub-base course spread over the subgrade and compacted with appropriate equipment to 95% maximum density to a depth of twelve (12) inches. The material is to be compacted in four (4) - inch layers. The four (4)” of dense grade crushed stone or crushed gravel of the aggregate base course shall be treated with 3/4 gal. of M.C. asphalt per square yard and shall conform to the "Typical Cross-sections for Street Layouts" (see Figure 1).

b. The binder course of MHD, Class I Bituminous Concrete Pavement, Type I-1 (coarse graded) shall be applied and rolled to a thickness of 3.5 inches with a 15 - ton tandem roller.
c. Before the surface course is applied, the surface of the binder course shall be swept clean and dry and leveled where needed, and tack coated with emulsion designated RS-1 by machine spraying at a rate of 1/10 gal./square yard. The surface course shall consist of MHD Class I-1 Bituminous Concrete Pavement, Type I-I (fine graded). It shall be applied on the binder Course and shall be rolled to a thickness of 1-1.5” with a fifteen-ton tandem roller. The surface course shall be hand-tamped around structures and curbing.

7.25 Density of Pavement

The density and tests of all pavements shall be such that they conform to Section 460.21 of the MHD Standard Specifications for Highways and Bridges.

7.3 CURBING

7.31 Curbing shall be installed along each edge of the roadway in all streets as shown on the definitive plan.

7.32 Curbing required hereunder shall be standard granite curbing, MHD Type VA-4. Other options may be considered by the Planning Board. On any horizontal curve having a radius less than 400 feet, granite curbing shall be required. All required standard (vertical) granite curbing, Type VA-4 shall be installed in accordance with Figure 8 of these Subdivision Rules and Regulations.

7.4 STREET SIGNS

Street signs shall be supplied and installed by the developer and approved by the WDPW. They shall bear the names of the streets as indicated on the definitive plan and shall be erected by the subdivider at all intersections of streets within the subdivision and at the intersection of any street of the subdivision with a public way. These signs normally will be placed at the mid-point of the arc and at the back of the sidewalk. The names of both streets shall appear on the signpost at street intersections.

7.5 SIDEWALKS

7.51 Sidewalks of the width shown on the "Typical Cross-sections for Street Layouts" (see Figure 1) shall be constructed on both sides of each roadway on all streets shown on the definitive plan. Utilities shall not be placed beneath paved sidewalks.

7.52 Sidewalks shall have a finished grade in relation to the finished grade of the roadway as shown on the "Typical Cross-sections for Street Layouts" (see Figure 1).
7.53 In constructing all sidewalks, the material shall be removed for the full width of the sidewalk to subgrade at least 10" below the approved finished grade, and also all soft spots and other material undesirable, in the opinion of the Board, below such subgrade shall be replaced with a good binding material and compacted to a 95% maximum density. The excavated area shall be filled with select gravel containing some binding material and compacted to 95% maximum density. The final thickness shall not be less than eight (8)" and the surface shall have a pitch parallel to that shown on the applicable cross section plan. Sidewalks shall then be paved and rolled with a two (2) - ton roller to a thickness of 2.5" with bituminous concrete pavement applied in two (2) equal courses. The course shall be of MHD Class I Bituminous Concrete Pavement, Type I-1 (fine graded).

7.5 PLANTING STRIPS

7.61 Planting strips of a width required by the "Typical Cross-sections for Street Layouts" and in accordance with, and as shown on the definitive plan, shall be provided on each side of the roadway.

7.62 The finished grade of such grass strips in relation to the finished grade of the roadway shall be as shown on the applicable cross-section plan.

7.63 All hydrants shall be installed a minimum of 24" back of the face of the curb (see Figure 1).

7.64 Where natural tree cover is sparse, trees will be planted according to a landscape plan approved by the Board.

7.6 SIDE SLOPES

The area in back of the sidewalk, where slope is required, shall be graded to a slope of three (3)" horizontal to one (1) - foot vertical with rounding at the top and bottom of the slopes, as shown on the "Typical Cross-section". Fieldstone retaining walls may be used to reduce the sloping limits, but not the sloping rate.

7.7 LOAMING

The top six (6)" of grass strips and side slopes shall consist of good quality loam, screened, raked, and rolled with a hand roller to grade. The loam shall be seeded with lawn grass seed applied in sufficient quantity to assure adequate coverage and shall be rolled.

7.8 MONUMENTS AND MARKERS

7.91 Monuments shall be installed at all street intersections, at all points of change in direction or curvature of streets and at other points as shown on the definitive plan.
7.92 Granite or concrete monuments not less than three (3) feet six (6) inches in length dressed to six (6)" x six (6)" in section at the top, and not less than six (6)" by six (6)" in section at the bottom shall be provided and shall be set to finish grade as shown on plans. The exact location point shall be indicated by a hole having a diameter of ¼ - inch. After the bound has been permanently set, the hole shall be drilled into the top of the bound to a depth of ½ - inch.

7.93 No permanent monuments shall be installed until all construction, which could destroy or disturb the monuments is completed. After the bounds have been set, where appropriate, bituminous concrete shall be placed around the bounds and compacted to the specified thickness.

7.94 A certification shall be made to the Board by the engineer or land surveyor that the bounds have been set as shown on the definitive plan.

7.9 STREET LINES

On Collector, Arterial and Industrial-Commercial Streets, reflectorized pavement markings shall be installed in accordance with MHD Standard Specifications for Highways and Bridges, specifically set forth in Section 7.2 and as required by the Board.
8. ENVIRONMENTAL AND COMMUNITY ASSESSMENT REPORT

8.1 GENERAL

The Applicant must file four copies of an environmental and community assessment report with the definitive plan. This report must be prepared by a registered professional engineer and satisfy the requirements of the Board. It is designed to build into the Board's decision-making process an appropriate and careful consideration of the environmental and community aspects of the proposed subdivision of land.

8.2 CONTENT

8.21 Detailed Description of Proposed Action

The report will describe the proposed action, its purpose, where it is located, its time setting and its interrelationship with other projects or proposals.

8.22 Environmental and Community Impact of the Proposed Action

8.221 The report shall describe the primary and secondary environmental and community impacts, both beneficial and adverse, anticipated from the action. The scope of the description shall include construction period and complete project impacts.

8.222 Corrective and protective measures which will be taken as part of the proposed action to minimize adverse impacts shall be described.

8.23 Adverse Impacts Which Cannot be Avoided Should the Proposal be Implemented

The report shall describe the kinds and magnitudes of adverse impacts which cannot be reduced in severity or which can be reduced to an acceptable level but not eliminated.

8.24 Alternatives to the Proposed Actions

The report shall develop, describe, and objectively weigh alternatives to any proposed action which involves significant tradeoff among the uses of available land.

8.25 Irreversible and Irretrievable Commitments of Resources

The report shall describe the extent to which the proposed action, should it be implemented, curtails the diversity and range of beneficial uses of the land and environment.
8.3 APPROACH

8.3.1 The report will evaluate the following topics for present conditions, construction conditions and environmental controls, and future conditions and environmental controls:

a. Natural environment
   1. Air pollution
   2. Water, including quantity of drainage and pollution control.
   3. Noise pollution.
   4. Land, including the quantity of earth to be removed from the site.
   5. Wildlife.

b. Man-Made environment
   1. Surrounding land use
   2. Density
   3. Zoning
   4. Architecture

c. Public facilities
   1. Water supply and distribution
   2. Storm drainage facilities
   3. Sewage disposal facilities
   4. Solid waste disposal, including trash and garbage
   5. Traffic facilities - Traffic flow patterns within the proposed subdivision roadways and their intersections with existing ways shall be addressed. The following is required:
      a. The projected number of motor vehicle trips generated by the subdivision estimated for daily and peak hour traffic levels.
      b. The projected flow pattern including vehicular movements at all intersections described in paragraph 5 above ("Traffic facilities") and other major intersections required by the Board.
      c. The impact of the projected traffic upon intersecting existing and private ways in relation to existing roadway capacities. Existing and proposed daily and peak hour traffic levels as well as road level capacities should also be given.
      d. Any other traffic-related information as required by the Board.
   6. Electric power
   7. Gas
d. Community services
   1. Schools
   2. Recreation
   3. Police
   4. Fire
   5. Public works

e. Economic considerations
   1. Cost/benefit ratio
   2. Time schedule
9. GENERAL PROVISIONS

9.1 SANITARY FACILITIES

The Applicant shall provide, at his own expense, temporary sanitary facilities for all personnel, either directly or indirectly under his employment and shall be responsible for proper use of such facilities.

9.2 CLEANING UP

9.21 The entire area must be cleaned up so as to leave a neat and orderly appearance free from debris and other objectionable materials. The entire drainage system, including catchbasins, manholes and pipes shall be properly cleaned out.

9.22 Following the completion of this and all other items of work, a final inspection shall be made by the WDPW and the Board.

9.3 INSPECTION AND CONTROL

9.31 The Applicant shall employ, at his own expense, in a manner satisfactory to the WDPW and the Board.

9.32 The contractor shall notify the WDPW when each stage of construction is completed and ready for inspection (see Form 7).

9.33 No succeeding operation shall be started until the prior operation has been approved by the WDPW or the Board. The contractor shall give the WDPW a 24-hour written notice in hand when an inspection is required.

9.34 The Applicant shall certify in writing to the WDPW and to the Board that the following materials: the aggregate base course, the binder course, the surface course) the sidewalk course) and the curbing mixture are in conformance and are installed as specified in these Rules and Regulations. The Board will require that this certification be submitted by an engineer retained at the Applicant's expense.

9.35 The Applicant shall be responsible for utility, water, sewage, and road maintenance and plowing until the subdivision road(s) is/are accepted as a Town way(s).

9.36 All forms, tables, and figures appended hereto shall be a part of these Rules and Regulations.
9.4 AUTHORITY OF THE PLANNING BOARD

9.41 All construction and work on the land and roads which is governed by these Rules and Regulations is subject to the authority of and approval of the Planning Board. Prior to acceptance of the subdivision roads as public ways, all other Boards, including the WDPW, act as the Planning Board's agent.
NOTICE OF ENDORSEMENT OF PLAN BELIEVED
NOT TO REQUIRE APPROVAL UNDER THE SUBDIVISION CONTROL LAW

Planning Board
Wrentham, MA 02093

Dear Board:

The undersigned, believing that the accompanying plan of property in the
Town of Wrentham does not constitute a subdivision within the meaning of the
Subdivision Control Law, has submitted said plan for determination and
endorsement that Planning Board approval under the Subdivision Control Law
is not required.

The undersigned believes that the division of land shown on this plan is
not a subdivision for the following reasons:

1. Name of Record Owner
   Address

2. Name of Surveyor or
   Engineer
   Address

3. Zoning Classification

4. Assessors Map Parcel(s) Block

5. Deed of Property recorded in Norfolk Registry in Book Page

6. Location and Description of Property sufficient for identification:

Signature of Record Owner

Then personally appeared the above-named and acknowledged the foregoing
to be a true act and deed before me.

Notary Public

My Commission expires:

Signature of Applicant

Street

Town/City State Zip

Page 47 of 76
FORM 2
NOTICE OF SUBMISSION OF PRELIMINARY PLAN

Planning Board
Wrentham, Massachusetts 02093

Dear Sir:

This is to notify you that the undersigned has this date submitted a plan of property located in the Town of Wrentham for approval as a subdivision under the requirements of the Subdivision Control Law and the Wrentham Land Subdivision Rules and Regulations.

1. Name of Applicant
   Address

2. Name of Engineer
   Address

3. Name of Surveyor
   Address


5. Location and Description of Property:
   (Attach a second sheet if necessary)

   (Clerk, Wrentham Planning Board)  (Signature of Applicant)

   (Date Received)  (Address)
FORM 3
APPLICATION FOR APPROVAL OF DEFINITIVE PLAN

Planning Board
Wrentham, Massachusetts 02093

Gentlemen:

The undersigned herewith submits the accompanying Definitive Plan of Property located in the Town of Wrentham for approval as a subdivision under the requirements of the Subdivision Control Law and the Rules and Regulations of the Planning Board of the Town of Wrentham, Massachusetts.

1. Name of Applicant
   Address

2. Name of Engineer
   Address

3. Name of Surveyor
   Address

4. Name of Engineer preparing Environmental and Community Assessment Report
   Address

5. Deed of Property Recorded in _______________ Registry, in Book ____________, Page ____________.

6. Location and Description of Property:

   (Attach a second sheet if necessary.)

The following are all the mortgages and other liens or encumbrances on the whole or any part of the above-described property:

   (List mortgages, etc. here)

The undersigned hereby covenants and agrees with the Town of Wrentham upon approval of the Definitive Plan:

1. To construct the ways and install municipal services as finally approved by the Planning Board not later than ___(month/year)
2. To install utilities in accordance with the Rules and Regulations and to complete and construct the said ways in accordance with these Rules and Regulations and decision and orders of the Board.

3. At the laying out and acceptance by the Town of said ways, all rights for use as public ways, all municipal services within the ways and other appurtenances pertaining to these municipal services will become the property of the Town of Wrentham at no cost to said Town, unless otherwise agreed upon.

This agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the undersigned.

__________________________________________  _______________________________
__________________________________________  _______________________________
__________________________________________  _______________________________

(Wrentham Planning Board)  (Signature of Applicant)  

(Date Received)  (Address)
FORM 4

COVENANT

This agreement witnesses that for the consideration that the Town waive any surety bond or cash deposit, the undersigned covenants and agrees with the Town of Wrentham as follows:

1. The undersigned will not convey any lots nor petition for nor take out any permit to do, nor will the undersigned do, any building construction or reconstruction on the subdivision described and referred to in an application and agreement dated until all the conditions have been fully performed and this contract has been cancelled and discharged by the Town and is no longer of force and effect.

2. The undersigned agrees to record this contract in the Registry of Deeds for Norfolk County forthwith.

3. The undersigned agrees that this contract shall be binding upon his heirs, executors, administrators, successors and assigns.

It is the intention of the undersigned and it is hereby understood and agreed that this contract shall run with the land included in the aforesaid subdivision and operate as a restriction upon said land during such time that it shall continue a binding obligation.

There are no mortgages or record or otherwise on any of the land in the aforesaid subdivision except as described below, and the present holders of said mortgages have assented to this contract prior to its execution by the undersigned.

Description of Mortgages - give complete names and Registry of Deeds reference

__________________________________________________________________________

__________________________________________________________________________

Assent of mortgagees

__________________________________________________________________________

In witness whereof, the undersigned, Applicant as aforesaid, does hereunto set his hand and seal this ______ day of __________, 19______.

Signature of Applicant
FORM 4

COMMONWEALTH OF MASSACHUSETTS

Norfolk, ss

Date

Then personally appeared the above named

and acknowledged the foregoing to be his free act and deed before me.

Notary Public

FORM 5

CERTIFICATE OF RELEASE OF SURETY

19

Town Treasurer
Wrentham, Massachusetts 02093

SUBJECT - (Name of Subdivision)

This is to certify that at a meeting of the Planning Board held on 19, it was voted to release the following described surety:

(a)

(b)

In accordance with the above vote, please release said surety.

Very truly yours,

WRENTHAM PLANNING BOARD

Chairman
FORM 6

CERTIFICATE OF RELEASE OF COVENANT

TO:

____________________________________

____________________________________

The undersigned being a majority of the Planning Board of the Town of Wrentham, Massachusetts, hereby certify that the requirements for work on the ground called for by the Covenant dated ________________ and recorded in Norfolk Registry of Deeds in Book __________ Page __________; and/or recorded in Land Court as Document No. __________ has been completed to the satisfaction of the Planning Board.

WRENTHAM PLANNING BOARD

____________________________________

____________________________________

____________________________________

____________________________________

Copy to: Town Clerk
## FORM 7

### INSPECTION OF CONSTRUCTION

**Developer:**

**Street:**

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<th>CONSTRUCTION STAGES</th>
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<th>Approved By</th>
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<tr>
<td>2. Rough Grading</td>
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<td>3. Drainage</td>
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<td>4. Sewers</td>
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<td>5. Water Mains</td>
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<td>6. Underground Utilities</td>
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<td>a. Electricity</td>
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<td>b. Telephone</td>
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<td>c. Gas</td>
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<td>7. Sub Base Grading</td>
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<td>8. Base Grading</td>
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<td>9. Penetration</td>
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<tr>
<td>10. Bituminous Concrete Binder Course</td>
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<td>11. Castings and Curb Inlets</td>
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<td>12. Bituminous Concrete Surface Course</td>
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<td>13. Curbing</td>
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<td>14. Sidewalks</td>
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<td>15. Shoulders (loamed and seeded)</td>
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<td>16. Street Signs</td>
<td></td>
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<td>17. Bound</td>
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<tr>
<td>18. Final Clean-up</td>
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</tbody>
</table>

**NOTES:** The items under (6) are to be approved as completed by a representative of each specific utility company. A letter authorizing said representative to make said approval shall be filed with the Board.

The approval of any stage is for the purpose of proceeding to the next stage and does not relieve the developer from repairing, correcting, renewing or replacing any defects or imperfections in the construction method or the quality of materials discovered before the final inspection.

Upon the completion of the Inspection of Construction, the Planning Board shall make a final inspection of the street and notify the developer in writing of any defects that must be corrected.
FORM 8

CONVEYANCE OF EASEMENTS AND UTILITIES

of

County, Massachusetts, hereby grant to the Town of Wrentham, a municipal corporation in Norfolk County, easements to construct, inspect, repair, renew, replace, operate and for forever maintain, water mains, storm drains and sanitary sewers, with any manholes, pipes, conduits and other appurtenances thereto, and to do all acts incidental thereto, in, through, and under the following described land:

And, for the consideration aforesaid, the said grantor does hereby give, grant, sell, transfer and deliver unto the said grantee and its successors and assigns forever, all water and sewer pipes, manholes, conduits and all appurtenances thereto that are now or hereafter constructed or installed in, through or under the above described land by the grantor and the grantor's successors and assigns.

And I, wife of said grantor hereby release to said grantee and its successors and assigns forever all rights of tenancy by the courtesy dower and homestead interests therein.

For grantor's title, see deed from ____________________________

date ___________ 19_____, and recorded in Norfolk Registry of Deeds.

Book ______________, Page __________.

And __________________________, a banking corporation in ______________ County, Massachusetts, the present holder of a mortgage on the above described land, which mortgage is dated ______________ 19_____, and recorded in said Deeds,

Book ___________: Page _________ for consideration paid, hereby releases unto the said grantee and its successors and assigns forever from the operation of said mortgage, the rights and easements herein-above granted and assents thereto.
IN WITNESS WHEREOF we have hereunto set our hands and seals this 

____________________ day of ______________________, 19____.

__________________________________________

__________________________________________

__________________________________________

COMMONWEALTH OF MASSACHUSETTS

________________________, ss. 19____

Then personally appeared the above named ________________

__________________________________________ and acknowledged the foregoing instrument
to be __________________ free act and deed, before me.

Notary Public

My Commission Expires: _______
SCHEDULE G
PERFORMANCE SECURED
BY DEPOSIT OF MONEY

(19) , Massachusetts

AGREEMENT made this date between the (city/town) of (name of city/town) and (name of applicant), hereinafter referred to as "the applicant," of (address of applicant), to secure construction of ways and installation of municipal services in the subdivision of land shown on a plan entitled: (name of subdivision) by: (name of designer), dated: (date of plan) owned by: (name of owner), address: (address of owner), land located: (street address or other identification of location), and showing (No.) proposed lots.

KNOW ALL MEN by these presents that the applicant hereby binds and obligates himself, his or its executors, administrators, devisees, heirs, successors and assigns to the (city/town) of (name of city/town), a Massachusetts municipal corporation, acting through its Planning Board, in the sum of (dollar amount) dollars, and has secured this obligation by depositing with the Treasurer of said (city/town) of (name of city/town), a deposit of money in the above sum to be deposited in a subdivision escrow account in the name of the (city/town). The deposit of money is to be used to insure the performance by the applicant of all covenants, conditions, agreements, terms and provisions contained in the following:

1. Application for Approval Definitive Plan (Form C), dated: (date of application);
2. The subdivision control law and the Planning Board’s Rules and Regulations governing this subdivision and dated (date of subdivision rules and regulations which govern plan);
3. Conditions included in the Certificate of Approval issued by the Planning Board and dated (date of vote to approve);
4. The definitive plan as qualified by the Certificate of Approval; and
5. Other document(s) specifying construction or installation to be completed, namely: (specify other documents, if any, and list lots secured if only a part of the subdivision is secured by a deposit of money)

This agreement shall remain in full force and effect until the applicant has fully and satisfactorily performed all obligations or has elected to provide another method of securing performance as provided in M.G.L., Chapter 41, Section 81-U.

Upon completion by the applicant of all obligations as specified herein, on or before (date when construction and installation is to be completed), or such later date as may specified by vote of the Planning Board with a written concurrence of the applicant, the deposit of money including all interest accrued thereon shall be returned to the applicant by said (city/town) and this agreement shall become void. In the event the applicant should fail to complete the construction of ways and installation of municipal services as specified in this agreement and within the time herein specified, the deposit of money may be applied in whole, or in part, by the Planning Board for the benefit of the (city/town) of (name of city/town), to the extent of the reasonable cost to the (city/town) of completing such construction or installation as specified in this agreement. Any unused money and the interest accrued on the deposit of money will be returned to the applicant upon completion of the work by said (city/town).
The (city/town) of (name of city/town) acting by and through its Planning Board hereby agrees to accept the aforesaid deposit of money in the amount specified in this agreement as security for the performance of the project as aforesaid.

Any amendments to this agreement and/or to the aforesaid security shall be agreed upon in writing by all parties to this agreement.

IN WITNESS WHEREOF we have hereunto set our hands and seals this ___ (date) of ___ (month) ___, 19___.

______________________________

______________________________

______________________________

______________________________

______________________________

Signatures of a Majority of the Planning Board of the (city/town) of (name of city/town)

______________________________

Signature of Applicant

COMMONWEALTH OF MASSACHUSETTS

___ (county) ___, ss

Then personally appeared (name) one of the above-named members of the Planning Board of (name of city/town), Massachusetts and the applicant and acknowledged the foregoing instrument to be the free act and deed of said parties before me.

______________________________

Notary Public

My Commission expires __________________

Duplicate copy to:
Applicant
Planning Board
City/Town Clerk
City/Town Treasurer
City Council/Board of Selectmen
FORM H
PERFORMANCE SECURED BY
A SURETY COMPANY

________________________, 19
(city/town) __________, Massachusetts

AGREEMENT made this date between the (city/town) of _______________________; (name of city/town); (name of applicant) __________, hereinafter referred to as "the applicant," (address of applicant) __________; and ______________________, a corporation duly organized and existing under the laws of the state of ______________________, hereinafter referred to as "the surety," (state where incorporated) __________ and having a usual place of business at ______________________, hereinafter referred to as "the surety," (address of surety company) __________ to secure construction of ways and installation of municipal services in the subdivision of land shown on a plan entitled: ______________________, (name of subdivision) __________, by: ______________________, (name of designer) __________, dated: ______________________, owned by: ______________________, (name of owner) __________, address: ______________________, (address of owner) __________, land located: ______________________, (street address or other identification of location) __________, and showing __________ proposed lots.

KNOW ALL MEN by these presents that the applicant and the surety hereby bind and obligate themselves, their, or its executors, administrators, devisees, heirs, successors and assigns, jointly and severally to the (city/town) of ______________________, (name of city/town) __________, a Massachusetts municipal corporation, acting through its Planning Board, in the sum of ______________________ (dollar amount) __________ dollars, and have secured this obligation by depositing with the Treasurer of said (city/town) of ______________________, (name of city/town) __________ a surety bond to secure the above sum of money, said surety bond to be used to insure the performance by the applicant of all covenants, conditions, agreements, terms and provisions contained in the following:

1. Application for Approval Definitive Plan (Form C), dated: ______________________ ;
2. The subdivision control law and the Planning Board’s Rules and Regulations governing this subdivision and dated ______________________ ;
3. Conditions included in the Certificate of Approval issued by the Planning Board and dated ______________________ ;
4. The definitive plan as qualified by the Certificate of Approval; and
5. Other document(s) specifying construction or installation to be completed, namely: (specify other documents, if any, and list lots secured if only a part of the subdivision is secured by a surety company)

This agreement shall remain in full force and effect until the applicant has fully and satisfactorily performed all obligations, or has elected to provide another method of securing performance as provided in M.G.L., Chapter 41, Section 81-U.

Upon completion by the applicant of all obligations as specified herein, or or before (date when construction and installation is to be completed), or such later date as may be specified by vote of the Planning Board with the written concurrence of the applicant and the surety, the interest of the (city/town) in such surety bond shall be released, the surety bond shall be returned to the surety, and this agreement shall become void. In the event the applicant should fail to complete the construction of ways and installation of municipal services as specified in this agreement and within the time herein specified, the surety bond may be enforced, in whole, or in part, by the Planning Board for the benefit of the (city/town) of ______________________, (name of city/town) __________ to the extent of the reasonable cost to the (city/town) of completing such construction or installation as specified in this agreement. Any unused portion of the surety bond will be released and the unused portion of the surety bond will be returned to the surety upon completion of the work said (city/town).

© Massachusetts Federation of Planning Boards 1972 (Revised 1980)
The (city/town) of _______ (name of city/town) _______ acting by and through its Planning Board hereby agrees to accept the aforesaid surety bond in the amount specified in this agreement as security for the performance of the project as aforesaid.

Any amendments to this agreement and/or to the aforesaid security shall be agreed upon in writing by all parties to this agreement.

IN WITNESS WHEREOF we have hereunto set our hands and seals this _______ (day) _______ of _______ (month) _______ , 19 _______.

______________________________
Signature of a Majority of the Planning Board of the (city/town) of _______ (name of city/town) _______.

______________________________
Signature of Applicant

______________________________
Signature of Authorized Representative of the Surety.

COMMONWEALTH OF MASSACHUSETTS

______ (county) _______ , ss

______________________________
Then personally appeared _______ (name) _______ one of the above-named members of the Planning Board of _______ (name of city/town) _______. Massachussets, the applicant, and the authorized representative of the surety, and acknowledged the foregoing instrument to be the free act and deed of said parties before me.

______________________________
Notary Public

My commission expires ____________________________

Duplicate copy to:
Applicant
Surety
Planning Board
City/Town Clerk
City/Town Treasurer
City Council/Board of Selectmen
SCHEDULE I
PERFORMANCE SECURED BY REGISTERED NEGOTIABLE SECURITIES (BONDS, STOCKS, PUBLIC SECURITIES)

________________________, 19__
________________________, Massachusetts

AGREEMENT made this date between the (city/town) of ________________ and ________________, hereinafter referred to as "the applicant" of ________________, to secure construction of ways and installation of municipal services in the subdivision of land shown on a plan entitled: ________________, by: ________________, dated: ________________, owned by: ________________, address: ________________, land located: ________________, and showing ________________ proposed lots.

KNOW ALL MEN by these presents that the applicant hereby binds and obligates himself, his or its executors, administrators, devisees, heirs, successors and assigns to the (city/town) of ________________, a Massachusetts corporation, acting through its ________________, in the sum of ________________ dollars and has secured this obligation by depositing with the Treasurer of said (city/town) of ________________, an instrument of transfer to the Planning Board of said (city/town), duly acknowledged, and prepared in a suitable form pursuant to the provisions of the Massachusetts General Laws for the following type of negotiable security ________________, said instrument of transfer shall also specify the above sum of money as a security for performance by the applicant of construction of the ways and installation of municipal services in the aforesaid subdivision and, where apt, a new certificate shall also be deposited with said Treasurer. Said certificate shall be free from encumbrances and shall be issued pursuant to Chapter 156-B, Section 30, M.G.L., in the name of the Planning Board of said (city/town) and shall express on its face that it is held as collateral security to insure the performance by the applicant of all covenants, conditions, agreements, terms and provisions contained in the following:

1. Application for Approval Definitive Plan (Form C), dated: ________________;
2. The subdivision control law and the Planning Board's Rules and Regulations governing this subdivision and dated ________________;
3. Conditions included in the Certificate of Approval issued by the Planning Board and dated ________________;
4. The definitive plan as qualified by the Certificate of Approval; and
5. Other document(s) specifying construction or installation to be completed, namely: (specify other documents, if any, and list lots secured if only a part of the subdivision is secured by a negotiable security)

This agreement shall remain in full force and effect until the applicant has fully and satisfactorily performed all obligations, or has elected to provide another method of securing performance as provided in M.G.L., Chapter 41, Section 81-U.

Upon completion by the applicant of all obligations as specified herein, on or before [date when construction and installation is to be completed], or such later date as may be specified by vote of the Planning Board with the written concurrence of the applicant, the interest of the (city/town) in the aforesaid security shall be released and said security shall be returned, by appropriate instrument, to the applicant by the (city/town) and this agreement shall become void. In the event the applicant should fail to complete the construction of ways and installation of municipal services as specified in this agreement and within the time specified herein, the security, namely [type of security], may be negotiated in whole, or in part, by the Planning Board for the benefit of the (city/town) of [name of city/town] to the extent of the reasonable cost to the (city/town) of completing such construction or installation as specified in this agreement. Any unused funds resulting from the negotiation of aforesaid security by the (city/town) or any securities which are not negotiated by the (city/town) will be returned to the applicant upon completion of the work by said (city/town).
The (city/town) of _______ (name of city/town) _______ acting by and through its Planning Board hereby agrees to accept the aforesaid negotiable security, namely _______ (type of security) _______ as specified in this agreement as security for the performance of the project as aforesaid.

Any amendments to this agreement and/or to the aforesaid security shall be agreed upon in writing by all parties to this agreement.

IN WITNESS WHEREOF we have hereunto set our hands and seals this _______ (date) _______ of _______ (month) _______, 19 _______.

__________________________

__________________________

__________________________

__________________________

Signatures of a Majority of the Planning Board of the (city/town) of _______ (name of city/town) _______.

__________________________

Signature of Applicant

COMMONWEALTH OF MASSACHUSETTS

_______ (county) _______, ss _______ 19 _______.

Then personally appeared _______ (name) _______ one of the above-named members of the Planning Board of _______ (name of city/town) _______, Massachusetts and the applicant and acknowledged the foregoing instrument to be the free act and deed of said parties before me.

__________________________

Notary Public

My Commission expires __________________

Duplicate copy to:
Applicant
Corporation originally issuing the negotiable security
Planning Board
City/Town Clerk
City/Town Treasurer
City Council/Board of Selectmen

NOTE: Many securities are available in two forms — registered and bearer. Registered securities bear the owner’s name and the issuing party keeps a record of the owner. Bearer securities are not registered as to ownership. Registered securities generally facilitate better safekeeping but can be bothersome and take time to sell since it would have to be re-registered. The bearer form of security is therefore preferable when the security is to change hands.
FORM J
PERFORMANCE SECURED BY BANK PASSBOOK

________________________, 19__

(city/town) ___________, Massachusetts

AGREEMENT made this date between the (city/town) of (name of city/town) and
____ (name of applicant) ________, hereinafter referred to as “the applicant” of _____ (address of
applicant) ________, to secure construction of ways and installation of municipal services in the
subdivision of land shown on a plan entitled: ____ (name of subdivision) ________, by: ____ (name
of designer) ________, dated: ____ (date of plan) ________, owned by: ____ (name of owner) ________, address:
____ (address of owner) ________, land located: (street address or other identification of location),
and showing ____ (No.) ____ proposed lots.

KNOW ALL MEN by these presents that: the applicant hereby binds and obligates himself,
his, or its executors, administrators, devisees, heirs, successors and assigns to the (city/town) of
____ (name of city/town) ________, a Massachusetts municipal corporation, acting through its
Planning Board, in the sum of ____ (dollar amount) ____ dollars, and has secured this obligation by
deposit with the Treasurer of said (city/town) of ____ (name of city/town) ________, a deposit of
money for the above sum represented by Bank Passbook No. ____ (No.) ____ with an order drawn on
the ____ (name of Bank) ______ Bank of ____ (address of Bank) ________, payable to the
order of the Planning Board of the (city/town) of ____ (name of city/town) ________, said sum to
be used to insure the performance by the applicant of all covenants, conditions, agreements,
terms and provisions contained in the following:

1. Application for Approval Definitive Plan (Form C), dated: ____ (date of application) ____;

2. The subdivision control law and the Planning Board’s Rules and Regulations governing
this subdivision and dated (date of subdivision rules and regulations which govern plan);

3. Conditions included in the Certificate of Approval issued by the Planning Board and dated
____ (date of vote to approve) ____;

4. The definitive plan as qualified by the Certificate of Approval; and
5. Other document(s) specifying construction or installation to be completed, namely: (specify other documents, if any, and list lots secured if only a part of the subdivision is secured by a bank passbook)

This agreement shall remain in full force and effect until the applicant has fully and satisfactorily performed all obligations, or has elected to provide another method of securing performance as provided in M.G.L., Chapter 41, Section 81-U.

Upon completion by the applicant of all obligations as specified herein, or before ___ date ___ (date construction and installation is to be completed, as specified by applicant), or such later date as may be specified by vote of the Planning Board with the written concurrence of the applicant and the bank, the bank passbook shall be returned to the applicant by the (city/town) and this agreement shall become void. In the event the applicant should fail to complete the construction of ways and installation of municipal services as specified in this agreement and within the time herein specified, the funds on deposit in the account represented by the aforesaid bank passbook and order drawn thereon may be applied in whole, or in part, by the Planning Board for the benefit of the (city/town) of ___ (name of city/town) ___ to the extent of the reasonable cost to the (city/town) of completing such construction or installation as specified in this agreement. Any unused funds and the bank passbook will be returned to the applicant upon completion of the work by said (city/town).

The (city/town) of ___ (name of city/town) ___ acting by and through its Planning Board hereby agrees to accept the aforesaid bank passbook and order drawn thereon as security for the performance of this project; and
The (name) Bank of (address) hereby agrees not to release any funds from the account represented by the aforesaid bank passbook or otherwise amend or make a change to the aforesaid bank passbook or to the order drawn thereon without written agreement by the Planning Board.

Any amendments to this agreement and/or to the aforesaid security shall be agreed upon in writing by all parties to this agreement.

IN WITNESS WHEREOF we have hereunto set our hands and seals this (date) of (month), 19__.

_________________________________________________________________________

_________________________________________________________________________

_________________________________________________________________________

Signatures of a Majority of the Members of the Planning Board of the (city/town) of (name of city/town)

_________________________________________________________________________

Signature of Applicant

_________________________________________________________________________

Signature of Authorized Representative of the _______________ bank.

COMMONWEALTH OF MASSACHUSETTS

_________ (county) , ss

_________________________________________________________________________

Then personally appeared (name), one of the above-named members of the Planning Board of (name of city/town), Massachusetts, the applicant, and the authorized representative of the (name) Bank, and acknowledged the foregoing instrument to be the free act and deed of said parties before me.

_________________________________________________________________________

Notary Public

My Commission expires _________________

Duplicate copy to:
Applicant
(name) Bank
Planning Board
City/Town Clerk
City/Town Treasurer
City Council/Board of Selectmen
FORM K
PEFORMANCE SECURED BY
LENDER’S AGREEMENT

_________________________ , 19_
_________________________ (city/town) _________, Massachusetts

AGREEMENT made this date between the (city/town) of (name of city/town) ;
_________________________ (name of applicant) , hereinafter referred to as “the applicant” of (address)
_________________________ of applicant) ; and (name of bank that has first mortgage) , hereinafter referred to
as “the lender” of (address of lender) , to secure construction of ways and installation
of municipal services in the subdivision of land shown on a plan entitled: (name of
_________________________ subdivision) , by: (name of designer) , dated: ____________, owned by:
_________________________ (name of owner) , address: (address of owner) land located: (street
address or other identification of location), and showing (No.) proposed lots.

KNOW ALL MEN by these presents that the applicant and the Planning Board of the (city/
town) of (name of city/town) have executed a covenant, dated ____________,
19__, recorded in the (county) Registry of Deeds, Book ___________, Page __________; that
the applicant has recorded a first mortgage with the lender dated ____________, recorded
in the (county) Registry of Deeds, Book __________, Page __________, coveting (area of plan
that is covered by first mortgage) as shown on the above-referenced plan as security for the
payment of a certain note in the principal sum of (dollar amount) dollars; and that the
applicant and lender hereby bind and obligate themselves, their, or its executors, administrators,
devisors, heirs, successors and assigns, jointly and severally to the (city/town) of (name of
city/town) , a Massachusetts municipal corporation, acting through its Planning Board,
in the sum of (dollar amount) dollars, and have secured this obligation by the lender re-
taining said sum of money of said principal sum otherwise due the applicant to insure the per-
formance by the applicant of all covenants, conditions, agreements, terms and provisions con-
tained in the following:

1. Application for Approval Definitive Plan (Form C), dated: (date of application) ;

2. The subdivision control law and the Planning Board’s Rules and Regulations governing this
subdivision and dated (date of subdivision rules and regulations which govern plan) ;

3. Conditions included in the Certificate of Approval issued by the Planning Board and dated
(date of vote to approve) ;

4. The definitive plan as qualified by the Certificate of Approval; and

5. Other document(s) specifying construction or installation to be completed, namely: (specify
other documents, if any, and list lots secured if only a part of the subdivision is secured by a
lender’s agreement) __________________________________________

________________________________________

This agreement shall remain in full force and effect until the applicant has fully and satis-
factorily performed all obligations.

Upon completion by the applicant of obligations as specified in the following schedule:

Page 67 of 76
<table>
<thead>
<tr>
<th>SUM TO BE RETAINED BY LENDER</th>
<th>STAGE OF CONSTRUCTION OR INSTALLATION TO BE COMPLETED</th>
<th>DATE WHEN CONSTRUCTION AND INSTALLATION IS TO BE COMPLETED</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

(add additional stages if necessary)

The interest of the (city/town) in such funds retained by the lender shall be released, that portion of the agreement covering a specific stage of work shall become void, and the lender may disburse such funds which have been held as security for a specific stage of work, to the applicant. In the event the applicant should fail to complete any stage of construction of ways and installation of municipal services as specified in this agreement and within the time herein specified, any funds remaining undisbursed shall be made available in whole, or in part, by the lender to the Planning Board for the benefit of the (city/town) of (name of city/town) to the extent of the reasonable cost to the (city/town) of completing such construction or installation as specified in this agreement. Any unused portion of such funds will be released by the Planning Board and may be disbursed by the lender to the applicant upon completion of the work by said (city/town).

The (city/town) of (name of city/town) acting by and through its Planning Board hereby agrees to release the following lots [lot nos. to be released from covenant] from the operation of the above-referenced covenant given pursuant to Section 81-U of Chapter 41, the Subdivision Control Law without receipt of a bond or deposit of money and further to accept this agreement, and the funds in the amount specified herein to be retained by the lender as security for the performance of the project as aforesaid. Upon delivery of this agreement to the Planning Board, said lots shall be released as herein specified.

The lender hereby agrees that none of the funds retained as security, as specified herein, shall be disbursed to the applicant without prior written release of said funds by the Planning Board.

Any amendments to this agreement and/or to the aforesaid security shall be agreed upon in writing by all parties to this agreement.

IN WITNESS WHEREOF we have hereunto set our hands and seals this ___(date)___ of ___(month)___, 19___.

______________________________

______________________________

______________________________

Signatures of a Majority of the Planning Board of the (city/town) of (name of city/town)

signature of applicant

Signature of Authorized Representative of the Lender
COMMONWEALTH OF MASSACHUSETTS

_______(county)______ , ss

____________________________________ , 19__

Then personally appeared _______(name)____ one of the above-named members of the Planning Board of _______ (name of city/town)____, Massachusetts, the applicant, and the authorized representative of the lender, and acknowledged the foregoing instrument to be the free act and deed of said parties before me.

____________________________________

Notary Public

My Commission expires ____________________

Duplicate copy to:
Applicant
Lender
Planning Board
City/Town Clerk
City/Town Treasurer
City Council/Board of Selectmen
Figure 1.
Typical Cross Sections for Street Layouts
Figure 2.
Typical Rotary Circle or Cul-de-Sac and Back-Up Strip

NOTE: Outline and extent of back-up strip shown dotted.

Areas shown hatched shall be constructed and paved with Bit. Conc. as specified in Section 7.

Bit. Conc. Curbs to be extended for full length of back-up strip.

Granite Curb

4'6" Bit. Conc. Walk
Curb and Grass Area
For 45' Street
For 60' Street

All Driveway Opening Shall Be Paved With in The Layout
Figure 3.
Rainfall Intensity Curve
Figure 4.
Standard Square Catch Basin Frame and Grate
Figure 5.
Typical Cross Sections of Manholes, Catch Basins, and Subdrains

*NOTE*: MANHOLES & CATCH BASINS ARE TO BE CEMENT MORTAR PLASTERED ON THE OUTSIDE.

**CATCH BASIN**

**MANHOLE**

**MANHOLE INVERT**

**SUBDRAIN**

Pipe Diameter
PLUS 12"
24" Minimum

4" BRICK OR CONCRETE
SLOPE 1/2" TO 1"

1 1/2" BRICK OR CONCRETE

CAST IRON HOOD 1/2" outfall

GRATING TO BE INSTALLED TO CONFORM WITH PITCH OF ROADWAY

3.5" Width
8" Thickness
3500 PSI Concrete

NOTE: MANHOLES & CATCH BASINS ARE TO BE CEMENT MORTAR PLASTERED ON THE OUTSIDE.
FIGURE 6
Types of Dead End Streets

Length of street measured from Point “A” (i.e. intersection with THROUGH STREET) to Point “B”.
FIGURE 7.
Comparison of Dead End vs. Through Streets

Example A – If vehicular access and egress to any particular location are restricted to one segment of the street network, then any street beyond and along where access and egress are so restricted shall be deemed a DEAD END STREET.

Example B – If vehicular access and egress to any particular location can be accomplished along more than one segment of the street network, then any street along which this travel pattern can be accomplished shall be deemed a THROUGH STREET.
Figure 8 Method of Setting Vertical Curb
(Source: Mass. Highway Construction Standards – Drawing #106.3.0 – 9/22/95)

Procedure described herein is applicable only if curb is to be set after base and/or binder courses are in place otherwise cement conc. will be eliminated and gravel brought up to bottom of base course. For description materials and construction method, see standard specifications.

NOTES:
1. Cut neat line 150mm from curb line and remove binder base and stone, replace with cement concrete.
2. Any designated cement concrete that is acceptable to the Dept. under section #4 of the standard specifications, all test requirements are waived. Bituminous concrete is not to be used as a substitute.
3. Payment for cement concrete will be included in the price per meter of curbing.