For Village Use
Permit Number: _____
Receipt Number: _____
Account Number: 4350/Permit 2060/Bond
Approved ☐ / Denied ☐
Date Issued: _____

VILLAGE OF CALEDONIA

PERMIT TO PERFORM UTILITY WORK WITHIN ROAD RIGHT-OF-WAY

$100.00 PERMIT FEE -- (Account # 4350)

Bond Fees – (Account # 2060)

LOCATION and type of PROPOSED WORK: _____

_____

Owner's Name _____ Phone Number _____

Street Address _____ Type of work _____

APPLICANT INFORMATION (if different than above):

Applicant's Name _____ Phone Number _____

Street Address _____

TYPE OF WORK PROPOSED:

Cross right-of-way	☐	Over head	☐	Sewer Lateral	☐
Shoulder Opening Only	☐	Open Cut	☐	Water Lateral	☐
Jack or bore	☐	Other	_____		

TYPE OF BOND SUBMITTED (Cash bond is refundable 15 months after the date the permit is issued):

Letter of Credit #			☐
Cash Bond For:	(a) Opening of hard surface or paved road - Receipt #	$500.00	☐
	(b) Shoulder work or unpaved road - Receipt #	$500.00	☐
	(c) Other (Amount): Paid - - Receipt #	waived	☐
	(d) Permit Fee (Amount): Paid - - Receipt #	waived	☐

The applicant understands and agrees that the permitted work shall comply with all permit provisions attached hereto and made a part hereof.

By_____ Date_____
(Signature of Authorized Representative)

PERMIT APPROVAL

The foregoing application is hereby approved and permit issued by the Caledonia Village Engineer, subject to full compliance by the applicant with Section 18-1-6 of the Code of Ordinances of the Village of Caledonia and subject to the following special provisions and all attachments hereto.

Special Conditions: _____

_____

_____

_____

_____

_____

Permission to work in the road right-of-way at the above location is hereby granted by:

_____ Date_____20____
Village Engineer

Bond Amount to be Refunded: $_____
Authorized by: _____ Date:_____20_____
Village Engineer, Village of Caledonia
Purchase Order submitted for refund _____ (Date)\
P:\ENGINEER\FORMS\ROP\ROP Permit Blank Form 2014.doc

ROAD OPENING PERMIT CONDITIONS AND PROVISIONS

1. Construction and maintenance operations shall be performed without closing the road to traffic except as may be specifically authorized by the Village Highway Superintendent. Unless otherwise authorized, two-way traffic shall be maintained at all times. Proper barricades, signs, flags, lights, and flagmen shall be provided and maintained at all locations where construction and maintenance work interferes with normal traffic use of the road.

2. Laterals shall be augered under the traveled portion of all roads. The augered distance shall include as a minimum 14' from the centerline of the right-of-way whenever possible.

3. If open-cut is authorized by the Village Engineer, the pavement shall be cut in a straight line and the trench backfilled with sand or a suitable material and topped with 10" of crushed stone. After all settlement has stopped, the surface shall be replaced with the same type and thickness as removed.

4. The contractor shall restore roadway ditches as soon as installation of the sewer or water service is completed in order to maintain existing drainage patterns along or across all streets.

5. The applicant agrees to accept liability to the traveling public for any damages occurring during or as a result of issuing this permit

6. A copy of this approval along with any plans and special provisions shall be available on the job site.

7. By accepting and taking actions under this Permit, Applicant/Owner hereby expressly agree(s) to indemnify and hold the Village and its agents, consultants, officers, contractors and employees harmless from and against all claims, judgments, damages, penalties, fines, costs or loss (including reasonable fees for attorneys and consultants) and liability of every kind and nature, for injury (including death) or damage received or sustained by any person or entity in connection with work performed by Applicant/Owner under this Permit, or on account of the construction and activities at the location authorized or in connection therewith. Applicant/Owner further agree(s) to aid and defend the Village or its agents (at no cost to the Village or its agents, consultants and employees) in the event they are named as a defendant in an action pertaining in any way to this Permit except where such suit is brought by Applicant/Owner. Applicant/Owner is not an agent or employee of the Village, and nothing herein is intended or shall be construed as creating a partnership or joint venture between or among the Village and Applicant/Owner. This indemnification includes intentional and negligent acts of the Applicant/Owner as well as by the Applicant/Owner's agents, officers, employees, contractors and representatives. Under this paragraph, the Applicant and Owner shall be jointly and severally liable for the indemnification responsibilities under this paragraph.

HIGHWAY OPENING PERMIT

GENERAL PROVISIONS

This permit is granted to allow performance of the specific work described herein of which the Village of Caledonia has permit authority. The following standard provision and any included special provisions shall govern.

1. No part of the permitted work operations shall be commenced until warning signs, devices, and methods adequate to protect the public are established in place and fully functional. Warning signs and devices shall conform to the appropriate sizes, designs, and arrangements specified within the Wisconsin Department of Transportation Manual of Traffic Control Devices, current edition. Warning signs shall be maintained in order to protect the public until all permit-associated works are completed.

2. The applicant agrees to indemnify and hold harmless the Village of Caledonia, its employees, agents, and officers, from any cost, claim, suit, liability, or award which might come or be brought or assessed because of the issuance or exercise of this permit.

3. Vehicles, equipment, and materials shall be so regulated by the applicant as to assure consistently safe conditions.

4. The permitted work shall be coordinated, and in no case interfere with any highway improvement being undertaken at the same time.

5. Blasting within the Village of Caledonia is authorized only with the issuance of a separate blasting permit pursuant Section 7.10 of the Village ordinances.

6. The applicant shall provide the supervisor of the permitted work with a copy of this permit and is responsible to assure the latter's familiarity with all details and requirements thereof.

7. It shall be the responsibility of the applicant to determine the location of, and protect or cause to be protected from any damage, any facilities already in place in the area to be influenced by the permitted work.

8. All operations shall be performed without closing any road unless written permission is granted by the Village Engineer. Applicant is responsible for notifying the Village of Caledonia Police Department, Fire Department, and Highway Department at least 24 hours prior to closing any road. Unless otherwise authorized, two-way traffic shall be maintained at all times. Proper barricades, signs, flags, lights and flagmen shall be provided and maintained at all locations where construction and maintenance work interferes with normal traffic use of the road.

9. The permitted facilities shall, if necessary, be altered at the expense of the applicant to facilitate alteration, improvement, safety control, or maintenance of the Village Road, as may be hereafter ordered. All costs for constructing and maintaining the permitted facilities shall be the obligation of the applicant.

10. This permit does not transfer any land nor give, grant, or convey any land right, right in land, nor easement.

11. This permit authorizes only the described works of and for the applicant indicated on the face of the permit. It does not grant authority for the facilities of any other, either by present installation or future installation.

12. Construction methods and restorations shall be in accordance with applicable parts of the Wisconsin Department of Transportation Standard Specifications for Road and Bridge Construction, current edition, and the Caledonia Village Ordinances.

13. Permitted facilities shall be located as defined within this permit. Any part of facility found to be otherwise located shall be subject to correction by and at the cost of the applicant to such extent that the Village of Caledonia may specify.

14. All highway facilities distributed by the permitted works or associated operations shall be restored promptly. If restoration is not accomplished voluntarily, without delay, the Village of Caledonia may issue a notice setting forth a time-certain by which the restoration must be completed. If the applicant fails to satisfactorily complete all restorations with the time thus established, the Village of Caledonia may arrange directly for all needful restorations, and all costs associated with such restorations and the arrangements therefore shall be a cost obligation of the applicant. The applicant agrees to pay any and all of such costs within 60 calendar days of the stated billing.

15. Operations and safety precautions pertinent to any trenching, tunneling or excavation activities shall comply with the most strict requirements of all applicable regulations and codes, including, but not limited to, those of the Wisconsin Department of Industry, Labor, and Human Relations.

16. Smooth and finished slopes shall be constructed at any locations where any regraded portion of the highway right-of-way meets the lands of the adjacent property owner.

17. All utility trenches shall be backfilled and compacted pursuant to the special conditions contained herein.

18. Any curb, gutter, pavement, sidewalk, driveway, gravel base, ditch, shoulder, or other element of the highway right-of-way or facility disturbed by the permitted works shall be restored in kind to the qualities, grades, compaction, and conditions at least equal to those prevailing ahead of the permitted work operations and all to the satisfaction of the Village of Caledonia.

19. Any turfed area of the right-of-way disturbed by the permitted works and operations shall be restored with fine-graded topsoil having a depth of not less than three inches, and reseeded or sodded according to the requirements of the Village Ordinances.

20. If, in the opinion of the Village Highway Foreman or Village Engineer, the permit associated works or facilities obstruct highway drainage, increase the difficulty of highway maintenance unduly, or in any other manner adversely affect a highway interest, the applicant shall, upon notice thereof, cure the fault in the manner directed, and restore the highway facility to the satisfaction of the Village Highway Foreman and Village Engineer.

21. The permittee is responsible to assure that the site of construction is secure against any hazard to the public, both when the site is attended and during off-hours, any holiday, and the hours of night when the site may be unattended.

SEC. 18-1-6 EXCAVATIONS IN PUBLIC RIGHTS-OF-WAY AND VILLAGE OWNED PROPERTY REGULATED

(a) **Purpose and Findings.**

(1) In the exercise of governmental functions, the Village has priority over all other uses of the public Rights-of-Way. The Village desires to anticipate and minimize the number of obstructions and Excavations taking place therein and to regulate the placement of Facilities in the Rights-of-Way to ensure that the Rights-of-Way remain available for public services and safe for public use. The taxpayers of the Village bear the financial burden for the upkeep of the Rights-of-Way and a primary cause for the early and excessive deterioration of its Rights-of-Way is the frequent Excavation by Persons and Public Utilities who locate Facilities therein.

(2) The Village finds increased use of the public Rights-of-Way and increased costs to the taxpayers of the Village and that these costs are likely to continue into the foreseeable future.

(3) The Village finds that occupancy and Excavation of its property and Rights-of-Way causes costs to be borne by the Village and its taxpayers including, but not limited to:

a. Administrative costs associated with public Right-of-Way projects such as registration, permitting, inspection and supervision, supplies and materials.

b. Management costs associated with ongoing management activities necessitated by public users.

c. Repair or Restoration costs to the public property and/or Right-of-Way associated with the actual Excavation.

d. Degradation costs defined as depreciation caused to the public property and/or Rights-of-Way in terms of decreased useful life, directly and/or indirectly arising or resulting from such Excavations and related activities thereon.

(4) The Village enacts this ordinance to regulate the temporary Excavation, obstruction and/or occupancy of public property and/or the public Rights-of-Way. This ordinance imposes reasonable regulations on the placement and maintenance of equipment currently within its public property and/or Rights-of-Way or to be placed therein at some future time. It is intended to complement the regulatory roles of state and federal agencies.

(5) This ordinance provides the Village with a legal, uniform and reasonable framework within which to regulate, manage, inspect, properly maintain, engineer and regulate Excavations, Repairs, Restorations and related effects and aftereffects of and into the Village's public properties and Rights-of-Way, and to provide for recovery of the reasonable associated costs, fees and expenses incurred by the Village in doing so.

(6) This ordinance protects the health, safety and welfare of the residents of the Village as they use public properties and the Rights-of-Way of the Village, as well as to ensure the structural integrity of public property and the public Rights-of-Way.

(b) **Definitions.**

The following definitions shall apply in this Section. Defined terms remain defined terms whether or not capitalized. Words used in the present tense shall include the past and future tense. Words used in the singular form shall include the plural form. Words used in the plural form shall include the singular form. The word "shall" is mandatory and the word "may" is permissive.

Applicant. Any Person or Public Utility requesting permission to Excavate, cut into, bore into, obstruct and/or occupy public property and/or a public Right-of-Way.

Village. The Village of Caledonia, a Wisconsin municipal corporation located in the County of Racine, Wisconsin.

Degradation. The decrease in the useful life of the public property and/or improved or paved portion of a Right-of-Way, excluding the sidewalk right-of-way, caused by an Excavation of the public property or Right-of-Way, resulting in the need to reconstruct such property and/or Right-of-Way earlier than would be required if the Excavation did not occur.

Department. The Engineering Department of the Village.

Emergency. A condition that (1) poses a clear and immediate danger to life or health, or of a significant loss of property; or (2) requires immediate repair or replacement in order to restore service to a customer.

Village Engineer. The Village Engineer and/or his/her designee(s).

Excavate and/or **Excavation.** To dig, cut, bore into, remove, physically disturb, penetrate and/or in any manner affect the existing condition of any Village property, Right-of-Way or other land included in this ordinance.

Facilities. All equipment owned, operated, leased or subleased in connection with the operation of a service or utility service, and shall include but is not limited to poles, wires, pipes, cables, underground conduits, ducts, manholes, vaults, fiber optic cables, lines and other structures and appurtenances.

In. When used in conjunction with "public property" and/or "Right-of-Way", shall mean upon, over, above, within, on or under such public property and/or Right-of- Way.

Local Representative. A local person or persons, or designee of such persons or persons, authorized by an Applicant to accept service and to make decisions for that Applicant regarding all matters within the scope of this Section.

Obstruct. To place any object in a Right-of-Way so as to hinder free and open passage over that or any part of the Right-of-Way.

Permittee. Any person or Public Utility to whom a permit to occupy, Excavate or obstruct public property and/or Right(s)-of-Way has been granted by the Village under this Section of the ordinances

Person. A corporation, company, association, firm, partnership, limited liability company, limited liability partnership, joint venture, association, organization and individuals and their lessors, transferees, receivers, heirs, personal representatives, agents and all others acting on their behalf.

Property. The surface and space above and below an improved or unimproved part or whole of any and all Village owned or leased real property including, but not limited to, parks, vacant lots, open spaces, developed lands, green belts, parking lots, roads, sidewalks, terraces, rights-of-way, curbs, gutters, alleys, bicycle ways, bike trails, paths, beaches, river banks, easements, drainage ways, and other lands.

Public Utility. The meaning provided in Wis. Stats. 196.01(5), as from time to time amended or renumbered.

Repair. To perform construction work necessary to make the public property and/or Right-of-Way useable for appropriate and safe use and, if a Right-of-Way, in accord with the written and/or verbal requirements, specifications, rules and regulations of the Village and/or as promulgated from time-to-time by the Village Engineer; and/or, as applicable, to restore equipment to an operable and appropriate condition.

Restore or Restoration. That process by which an excavated public property and/or Right-of-Way and surrounding area, including pavement and foundation, is reconstructed in accord with the written and/or verbal requirements, specifications, rules and regulations of the Village and/or as promulgated from time-to-time by the Village Engineer.

Right-of-Way. The surface and space above and below an improved or unimproved public roadway, highway, road, bicycle lane and public sidewalk in which the Village has an interest, including other dedicated Rights-of-Way for travel purposes.

Site. The specific geographic location for a proposed Excavation accurately diagrammed and exactly described with particularity by the applicant in an application.

(c) **Prohibition -- Excavation permit required.**

(1) No cut, Excavation, or service connection shall be made by any Person or Public Utility in any Village property or Right-of-Way unless a permit under this Section is applied for, the fee paid for, the permit issued by the Village Engineer, obtained and held under this ordinance and then only in strict accord with all provisions and requirements of this ordinance.

(2) No Person or Public Utility shall undertake to perform the work of making any connection with, installing or Repair of any Facilities, gas pipe, water pipe, sewer,

communication, cable, or electric line or facility laid or constructed in any road or public ground, or to Repair or remove any such item without having obtained a permit under this Section authorizing him to do such work. No annual permit fee is required but individual permits and permit fees for each Excavation are required.

(3) Every cut, Excavation and service connection in any Village property that is not a Right-of-Way shall also require, in addition to the permit, payment of fees and fulfillment of other requirements set forth in this ordinance, and separate permission, lease(s) and/or easement(s) from the Village Board, as applicable. Such additional permission is discretionary with the Village Board, is not a matter of right regardless of whether a permit has been applied for and/or issued under this ordinance, and may be denied or withheld without cause. Compliance with this ordinance does not take the place of such additional required permission.

(d) **Application for permit.**

Written application for an Excavation permit shall be made to the Village Engineer prior to any Excavation. Permit applications shall contain and will be considered complete only upon compliance with each of the following requirements:

(1) **Application Form**. An accurate and complete written Excavation Permit Application Form shall be submitted to the Village Engineer. The application shall be signed and dated by a duly authorized representative of the Applicant. The application form shall be in such form, content and requirements as the Village Engineer may determine and/or direct from time-to-time. The application form shall contain, at a minimum, the following information:

(a) Each Applicant's name, Diggers Hotline registration certificate number, address and e-mail address, if applicable, and telephone and facsimile numbers.

(b) The name, address and e-mail address, if applicable, and telephone and facsimile numbers of a Local Representative. The Local Representative or designee shall be available at all times. Current information regarding how to contact the Local Representative in an emergency shall be provided at the time of application.

(c) A detailed description of the scope and plan of the Excavation work and Repair/Restoration proposed, including a description of the property and name of the Right-of-Way if applicable, the approximate location of the Excavation(s), the purpose for the Excavation, and the method by which the Excavation is to made.

(d) Indemnification language protecting and holding harmless the Village and each and every of the Village's elected and appointed officials, officers, employees, agents, contractors and representatives from and against any and all injury, payments, penalties and damages arising from any and all intentional and negligent activities of the Applicant and the Applicant's appointed officials, officers, employees, agents, contractors and representatives.

(e) The applications shall be signed by the Applicant's authorized representative or agent. If the work is not to be performed by the Applicant directly, the person engaged to do the work shall co-sign the application and the permit shall be issued in the name of the person performing the work along with the Applicant.

(2) **Form and Drawings**. Submission of the completed permit application form as established by the Village Engineer, including all required attachments, drawings showing the location and area of the proposed Facilities, and the size of the cut, Excavation or service connection. The proposed Excavation must accommodate all existing underground Facilities within the proposed route.

(3) **Insurance Certificate.** The applicant shall file Certificates of Insurance with the Village Engineer giving evidence of liability insurance in the following minimum amounts:

Worker's Compensation	Statutory Limits
Commercial Automobile Liability	$2,000,000.00 per Accident for Bodily Injury and Property Damage Liability Combined.
Commercial General Liability	$2,000,000.00 per Occurrence for Bodily Injury and Property Damage Liability Combined.

The Village Engineer may require higher amounts of liability insurance depending on the scope of the Excavation project. The Village and its officials, employees and agents shall be named as additional insureds on the commercial general and automobile liability policies. The insurance shall cover liability to third parties for the acts of the Applicant and Applicants officials and employees, agents, contractors, representatives and related others. The insurance shall cover bodily injury and property damage for the individual incidents and aggregates required by the Village Engineer. Such insurance shall not be cancelled or reduced without the insurer giving at least 10 days prior written notice to the Village Engineer. Cancellation or reduction of insurance shall automatically suspend the permit, and no further work shall be done under such permit until a new certificate of insurance complying herewith is filed with the Village Engineer. The Certificate of Insurance shall remain in full force and effect for not less than one year from the date of the Village's final inspection after completion of the project. The insurance requirements under this subsection may be modified or waived by the Village Engineer when the applicant is a Public Utility and the Village Engineer has no reasonable grounds to question the financial responsibility or compliance ability of the Public Utility.

(4) **Bond.** A bond in the form of cash, performance bond issued by a licensed company in Wisconsin or irrevocable letter of credit issued by a financial institution acceptable to the Village shall be deposited or filed with the Village Engineer and preserved by the Village Treasurer prior to the issuance of the permit. The Village Engineer shall determine the minimum amount of a cash bond and the form and the minimum dollar amount of the performance security bond and letter of credit based upon the estimated cost of the project and to Restore the area involved to a condition the same or similar to

that prior to the cut and/or Excavation. The bond or letter of credit shall be payable to the Village upon demand by the Village Engineer for any actual or suspected violation of any provision of this ordinance. The Village Engineer shall be able to demand payment upon the bond or letter of credit in whole or in-part at any time and from time-to-time. The bond or letter of credit shall be in such further form, content and requirements as the Village Engineer and Village Attorney may determine necessary and/or desirable to effect the intent of the Village Board in this ordinance. Except as provided in subsection 18-3-1(m)(9), the Village need not resort to any other remedy or provide any prior notice to the applicant or permittee before making demand upon, resorting to or receiving payment from the bond or letter of credit. In the event the cash bond, performance bond or letter of credit shall be insufficient for such purposes, the Permittee shall be liable to the Village for the excess cost over the amount of the bond or the amount collected by the Village on the irrevocable letter of credit. The bond or letter of credit shall remain in full force and effect for one (1) year from the date of the Village's final inspection after completion of the project. The bond requirements under this subsection may be modified or waived by the Village Engineer when the applicant is a Public Utility and the Village Engineer has no reasonable grounds to question the financial responsibility or compliance ability of the Public Utility.

(5) **Certificate of Authority**. A copy of the applicant's certificate of authority from the Wisconsin Public Service Commission or other applicable state or federal agency, where the Applicant is lawfully required to have such certificate from said commission or other state or federal agency.

(6) **Corporate or Similar Certificate**. If the registration is a corporation, a LLC or LLP, a copy of any certificate required to be filed under Wisconsin Statutes as recorded and certified by the Wisconsin Department of Financial Institutions.

(7) **Site Plan**. Each application shall contain, attached thereto, an accurate diagram and description of the Excavation site.

(8) **Payment.** Payment of the permit fees and costs as set forth in this ordinance.

(9) **Notice of Change.** The Applicant shall keep all of the information listed above current at all times by providing to the Village Engineer information as to changes within three (3) working days following the date on which the applicant has knowledge of any change.

(10) **One Permit Per Site**. A separate permit must be applied for and held, and a separate fee paid, for each site, Excavation, cut and/or project. A separate permit is required for a new or emergency Excavation at a previously permitted site if the previous work or Excavation was completed.

(11) **Permits Not Transferable**. Permits are not transferable to a different Person or Public Utility. Permits are not transferable from place to place.

(12) **Permit Posting Required**. A photocopy of each issued Village Excavation Permit shall be conspicuously posted and maintained at the site until the project is completed.

(e) **Fees.**

(1) Each Applicant shall pay a base application fee of $35.00 to the Village. In addition, the following additional fees, as applicable, shall be calculated by the Village Engineer and paid to the Village by the Applicant at the time the written application is filed with the Village Engineering Department:

Proposed work in the Right-of-Way	Fee
Fiber Optic (Basic)	$100.00
Bore Right-of-Law	$25.00 per bore
Bore Sidewalks and Driveways	$5.00 per bore
Standard Per 50' For Larger Jobs (overhead)	$5.00 per 50'
Standard Per 50' For Larger Jobs (underground)	$10.00 per 50'
Pole Installation	$5.00 per pole
Cabinet and Pedestal	$25.00 per cabinet/pedestal

(2) **Fees non-refundable**. Permit fees are not refundable for any reason. The permit fees shall be in addition to any forfeiture provided elsewhere in this ordinance.

(f) **Costs Arising From Permittee Exceeding Specifications.**

(1) **Reimbursement Required**. A Permittee exceeding the scope of the project reported in the written application shall fully and forthwith reimburse the Village for all additional Village costs incurred in addition to the fees otherwise applicable and/or paid for the entire project as established. Such additional costs shall include, but not be limited to, actual salaries and staff time, benefits, overhead, vehicle and equipment costs, copies, inspections and other similar costs as specified under Wis. Adm. Code Sec. 130.05.

(2) **Substantial Projects.** For applications that provide for a substantial undertaking of Excavation within a public Right-of-Way attended by disruption of the general public and traffic, the Village Engineer may assess the actual costs of the Village employees' time engaged in review and inspection of the anticipated plans and work, multiplied by a factor determined by the Village Engineer to represent the Village's actual costs and expenses, benefits, insurance, sick leave, holidays, vacation and similar benefits, overhead and supervision, said factor not to exceed 2.0, plus the costs of mileage, vehicle rental/use attributed to the work, plus all consultant fees associated with the work at the invoiced amount plus ten percent (10%) for administration.

(g) **Exemptions.**

(1) The Village and its public works contractors shall not pay fees or post a bond for Excavations pertaining to general governmental functions and projects, but shall apply for and hold a permit under this ordinance, and shall comply with all other provisions of this ordinance.

(2) Plumbers who have applied for, paid the fee for, have been issued and hold a Village Excavation Permit for a particular site under Title 15 of the Village's Code of Ordinances.

(h) **Revocations, Suspensions, Refusals to Issue or Extend Permit.**

(1) The Village Engineer may refuse to issue a permit or may administratively revoke, suspend or refuse to extend an existing permit if the Village Engineer finds any of the following grounds:

(a) The Applicant, Permittee or occupant has failed to obtain a permit, failed to pay the full required fee(s) for, and/or has not full complied with any provision or requirement of this ordinance;

(b) Issuance of a permit for the requested date would interfere with an exhibition, celebration, festival or other event;

(c) Issuance of a permit would not be in the public's best interest;

(d) Issuance of the permit would be contrary to the health, welfare, safety or good order of the public, community or Village;

(e) There is a limitation of space as determined by the Village Engineer;

(f) Misrepresentation of any fact by the Applicant, Permittee or occupant, or anyone on their behalf;

(g) Failure of the Applicant, Permittee or occupant to obtain, maintain or show proof of required bonds and/or insurance;

(h) Failure of the Applicant, Permittee or occupant to complete work in a timely or appropriate manner on any current or past Excavation project in the Village;

(i) Any current or past violation, breach or non-conformity with any provision of this ordinance by the Applicant, Permittee or occupant;

(j) The competing demands for the particular space in the Right-of-Way or other public property.

(k) The availability of other locations in the Right-of-Way or in other public property for the Facilities of the Permittee or Applicant;

(l) The applicability of ordinances or other regulations of the Right-of-Way or other public property that affect location of Facilities in the Right-of-Way; and

(m) The Excavation is proposed for a road, sidewalk, bike way, alley or other Right-of-Way or portion thereof newly installed, or recently resurfaced or reconstructed, and the Applicant chose not to Excavate and/or Repair/replace the utility before such new installation, resurfacing or reconstruction activities were completed. No excavation shall be allowed in newly installed or recently repaired or resurfaced public property and/or Rights-of-Way for five (5) years from completion of such new installation or recent repair or resurfacing. The Village Engineer may make exceptions to this rule for extraordinary circumstances and emergencies.

(2) **Discretionary Issuance.** The Village Engineer may waive a particular requirement and issue a permit where issuance is necessary: (a) to prevent substantial economic

hardship to a customer of the Permittee or Applicant, or (b) to allow such customer to materially improve its utility service, or (c) to allow the Permittee or Applicant to comply with state or federal law or Village ordinance or an order of a court or administrative agency.

(i) **Reporting Obligations.**

It is in the best interests of all affected parties to attempt to coordinate construction in public property and/or the public Right-of-Way whenever it is reasonably possible. Therefore, periodic reporting by the Public Utility or the Applicant to the Village Engineer of known or projected construction plans shall occur and will be useful to achieve this objective.

(j) **Location of Facilities Underground.**

The permittee shall endeavor to install Facilities underground or within buildings or other structures in conformity with applicable codes and requirements of the Village Engineer, unless in conflict with state or federal law, existing above-ground Facilities are used, or otherwise approved by the Village Engineer. The Village Engineer may direct that the installation be made underground if the public health, safety, or welfare so require.

(k) **Limitation of Space.**

The Village Engineer may prohibit or limit the placement of new or additional Facilities within public property and/or public Rights-of-Way if, in his determination, there is insufficient space to accommodate all of the requests of Persons or a Public Utility to occupy the site, public property and/or Right-of-Way. In making such decisions, the Village Engineer shall strive to the extent reasonably possible to accommodate all existing and potential users of the public property Right-of-Way, but may prohibit or limit the placement of new or additional Facilities when s/he determines such is required to protect, safeguard and/or facilitate the public health, safety, or welfare. In reaching this conclusion, the Village Engineer may consider the Public Utility's or Person's obligation to serve.

(l) **Attachment to bridges.**

Whenever an Applicant requests permission to attach pipes, conduits, cables, or wires to any village bridge structure, the Applicant shall pay all costs associated with the granting of such permission, including, but not limited to, administrative expenses in the analysis and inspection of such installation and Applicant's plans. The owner of such pipes, conduits, cables, or wires shall be entitled to no compensation for removal or relocation of the same in case of repair, removal, or replacement of said bridge structure by the Village or others on the Village's behalf, and/or any consequential damages directly and/or indirectly arising therefrom.

(m) **Standards; Construction, Repair and/or Restoration of paved or improved areas.**

All Excavations shall comply with the following:

(1) **Surrounding Area; Precautions; Notices**. All paving and excavated materials shall be removed with the least possible damage to the surrounding area, and shall be placed where it will cause the least inconvenience to the public and where the same will not interfere with drainage or traffic. All Excavations shall be enclosed with sufficient barricades, and flashers shall be maintained upon said location during the hours of darkness. The Permittee shall provide and maintain proper barricades, signs, flags and flagmen at its expense. The Village may order the placement or use of additional safety devices and the Permittee shall pay all costs associated with their placement. All other necessary precautions to guard the public against accidents shall be taken by the permittee. If necessary to protect the health, safety and public welfare, in addition to repairing its own work, the Permittee shall repair the general area of the work, and the surrounding areas, including the paving and its foundations, to the specifications of the Village. Permittee shall provide notice to all public and private individuals, firms and corporations affected by the work and Digger's Hotline at least three (3) working days before such work is to start. Permittee shall notify the Village Engineer prior to the commencement of work and again at various stages of the work in the timeframes as specified by the Village Engineer.

(2) **Style of Cut.** All Excavations in permanently improved Right-of-Way, roads and/or parking lots, sidewalks, bike trails, and the like, shall be made by final saw cuts around the perimeter of the Excavation in accordance with the specifications established by the Village Engineer.

(3) **Boring; Backfilling**. Wherever feasible, boring under rather than excavating the paved portion of the Right-of-Way, shall be the method used in the case of paved, hard surface, highways. If boring is not feasible, the paved portion of Village Rights-of-Way not listed below may be open cut provided granular backfill material conforming to Section 6.43.4 of the Standard Specifications for Sewer and Water Construction in Wisconsin, latest edition, with any Addendums thereto, shall be used to backfill the trench. Backfill material shall be placed in lifts not to exceed two (2) feet in depth and compacted in place with a boom mounted hydraulic compactor. If boring is not feasible, the paved portion of the below listed roads may be Excavated, provided the trench is backfilled with aggregate slurry backfill material conforming to Section 6.43.8 of the "Standard Specifications" cited above:

7 Mile Road, 6 Mile Road, 5 Mile Road, 4 1/2 Mile Road, 4 Mile Road, 3 Mile Road, Dunkelow Road, Nicholson Road, Green Bay Road, Middle Road, Charles Road, and Erie Road.

If an Applicant wishes to vary the requirements of this subsection so as to employ an equal or more effective method of compaction, the Applicant shall first obtain the written permission of the Village Engineer. If such permission is received and it later appears that the alternate method being employed is not, in the judgment of the Village Engineer, equally or more effective than the provisions of this subsection, the contractor shall revert to the means specified in this subsection.

(4) **Trench Flooding Prohibited**. In no case will flooding of the trenches be allowed as a compaction method.

(5) **Pavement Restoration**. After filling of the trench is completed to the satisfaction of the Village Engineer, the Permittee shall Restore the pavement of the highway so as to conform to the surrounding pavement as soon as such repavement is practical and feasible. Unless otherwise required by the Village Engineer, disturbed pavement shall be replaced by the Permittee, or an authorized contractor retained by the Village, at the Permittee's sole cost and expense. The Permittee shall use only materials approved by the Village Engineer. The site shall be fully and timely restored by the Permittee to a condition better than it was immediately prior to the Excavation and in full accord with each and every specification of the Village as from time-to-time supplemented, amended or otherwise modified. However, when a Permittee is a Public Utility, the Right-of-Way shall be restored to at least its original condition.

(6) **Restoration of Unpaved Areas.** All Excavations in areas which are not paved shall be backfilled with natural material compacted in 12" layers with mechanical compaction equipment. The surface shall be restored to its original condition, subject to the approval of the Village Engineer. The Permittee shall guarantee this work for twenty-four (24) months from the date of Village final inspection after project completion.

(7) **Maintenance**. The Permittee shall be responsible for all costs associated with maintaining the temporary and permanent Repairs and Restorations in accordance with Village Engineer specifications until the Repairs/Restorations are accepted by the Village. Upon acceptance, the guarantee provisions under subsection (n) below are applicable. In all cases, the permittee shall be required to Repair the site to Village specifications and standards subject to inspection and acceptance by the Village.

(8) **Inspections and Acceptance**. At the beginning and at the end of the project, the Permittee shall immediately notify the Village Engineer. The Village Engineer shall inspect the area of the work and accept the work at the end when the Village Engineer determines that proper Repair and/or Restoration has been made in accord with all specifications and requirements of the Village. The Permittee shall make the work site available to the Village Engineer and to all others as authorized by law for inspection at all reasonable times during the execution of and upon completion of the work.

(9) **Failure to Repair/Restore**. In the event that the Village Engineer determines that the initial or any subsequent Repair and/or Restoration work or work area have not been timely or otherwise not Repaired or Restored as required or directed, then the Village Engineer shall inform or notify the Permittee who shall then forthwith perform and/or re-do the required work solely at Permittee's cost and expense. Permittee shall then notify the Village Engineer of the remedial work completion. The Village Engineer shall then reinspect the work. If the Permittee fails to restore the worksite to its specified condition within fourteen (14) days of being notified to do so, the Village Engineer shall have the right to do any and all necessary restoration work. The Permittee shall be liable for the actual cost thereof plus twenty-five percent (25%) of such cost for overhead and administrative expenses,

including but not limited to those expenses identified under Adm. Code. Sec. 130.05. The costs of said work shall be deducted from the cash deposit, drawn on the bond or letter of credit or billed directly to the Permittee. Should the costs of repairs exceed the cash deposit, bond or letter of credit posted, the additional amount shall be billed. Any billed costs shall be paid within thirty (30) days of the billing date. No future Excavation permits shall be issued to the Applicant until such invoices are paid in full. At any time after the fourteen (14) day notice and opportunity to cure as specified above, the Village Engineer may demand and/or draw upon the Permittee's bond to cause the work to be performed adequately. In addition to all of these steps and remedies, and in addition to and not in lieu of any enforcement, forfeitures, penalties, injunctive and/or other relief, the Village Engineer may use Village crews and/or contract with third parties to perform and/or complete the Repairs and/or Restoration, and charge/invoice the Permitee for the costs and expenses of such work. The Permittee shall forthwith pay in full such invoice to the Village within thirty (30) days of the billing date.

(n) **Guarantee.** The Permittee guarantees its work and shall maintain it for twenty-four (24) months following its completion. During this period it shall, upon notification from the Village Engineer, immediately correct, repair, restore and/or re-do any and all work and portions thereof to the extent required or directed by the Village Engineer, using the method and within the time required by the Village Engineer. Said work shall be completed within ten (10) calendar days of the receipt of the notice from the Village, not including days during which work cannot be done because of circumstances constituting force majeure. If the repair and/or replacement pavement or material settles or cracks within five (5) years of the date of the permit and if failure of the repair and/or replacement is due to improper backfill, compaction or materials, the pavement and backfill in the Excavation area shall be forthwith removed and replaced at the expense of the Permittee.

(o) **Relocation of Facilities.**

An occupant must promptly and at its own expense permanently remove and relocate its Facilities in the public property or Right-of-Way whenever the Village and/or Village Engineer, jointly or severally acting in his/her or its governmental capacity, and having determined that the public health, safety, or welfare so requires, requests such removal and relocation. Notwithstanding the forgoing, an occupant shall not be required to remove or relocate its Facilities from any Right-of-Way or other public property that has been vacated in favor of a non-governmental entity unless and until the reasonable costs thereof are first paid to the occupant therefor.

(p) **Interference With Other Facilities During Municipal Construction.** When the Village performs work in the Right-of-Way or other public property and the Village Engineer finds it necessary to maintain, support, shore, or move an occupant's Facilities, the Village Engineer shall notify the Local Representative. The occupant shall meet with the Village's representative within twenty-four (24) hours and coordinate the protection, maintenance, supporting, and/or shoring of the occupant's Facilities. The occupant shall accomplish the needed work within seventy-two (72) hours, unless the Village agrees to a longer period.

In the event that the occupant does not proceed to maintain, support, shore, or move its Facilities within such time, the Village may arrange to do the work and bill the occupant, said bill to be paid within thirty (30) days of the billing date.

(q) **Abandoned and Unused Facilities.**

(1) **Discontinued Operations.** An occupant or Permittee who has decided to discontinue its operations must either:

(a) Timely provide information satisfactory to the Village Engineer that the occupant's or Permittee's obligations under this ordinances for its Facilities have been lawfully assumed by another occupant or Permittee; or

(b) Submit to the Village Engineer a proposal and instruments for transferring ownership of its Facilities to the Village. If an occupant proceeds under this clause, the Village may, at its option:

1. Accept the dedication for all or a portion of the Facilities; or
2. Require the occupant, at its own expense, to remove the Facilities; or
3. Require the occupant to forthwith post a bond or provide payment in an amount determined by the Village Engineer sufficient to reimburse the Village for reasonably anticipated costs to be incurred in removing the Facilities.

(2) **Abandoned Facilities.** Facilities that remain unused for two (2) years shall be deemed abandoned. Any occupant or Permittee having abandoned equipment in any public property and/or Right-of-Way shall remove it within two years, unless the Village Engineer waives this requirement. Abandoned Facilities are deemed to be a nuisance. In addition to any remedies or rights it has at law or in equity, the Village may, at its option, abate the nuisance, take possession of the Facilities, or require the removal of the Facilities by the occupant or the occupant's successor in interest, or exercise any of its other rights under this ordinance. A determination by the Village Engineer that a facility is abandoned shall be conclusive, final and binding on the occupant and/or Permittee.

(r) **Emergency situations.**

Each occupant, Permittee and/or their agent shall immediately notify the Village Engineer by verbal notice on an emergency phone number provided by the Village Engineer of any event regarding its Facilities that it considers to be an emergency. The occupant, Permittee and/or their agent may proceed to take whatever actions are necessary to respond to the emergency. Within two business days after the occurrence of the emergency the occupant, Permittee and agent shall apply for the necessary permits, pay the fees associated therewith, and otherwise fully comply with the requirements of this ordinance.

(s) **Compliance with Village Engineer Directions.**

An Applicant, Permittee and occupant shall forthwith comply with each and every lawful verbal and written direction and requirement of the Village Engineer consistent with advancing the intended purposes of the ordinance.

(t) **Compliance with Other Laws.**

Obtaining a permit to Excavate and/or occupy the Right-of-Way or other Village property does not relieve Permittee of its duty to obtain all other necessary permits, licenses, and authority and to pay all fees required by any other Village, County, State, or Federal rules, laws or regulations. A Permittee shall comply with all requirements of local, state and federal laws. A Permittee shall perform all work in conformance with all applicable codes and established rules and regulations, and is responsible for all work done in the Right-of-Way pursuant to its permit, regardless of who does the work.

(u) **Vicarious Liability.**

Each Applicant, Permittee and occupant is vicariously responsible and liable under this ordinance for the actions of the respective Applicant's, Permittee's and occupant's employees, contractors and agents, and is liable for violations by them, jointly and severally.

(v) **No Repeal of Tree Requirements.**

Nothing herein shall be construed to repeal or amend the provisions of a Village ordinance requiring persons to plant or maintain a tree lawn in the area of the Right-of-Way between their property and the road curb or pavement, construct sidewalks or driveways or other similar activities. Persons performing such activities shall not be required to obtain any permits under this ordinance.

(w) **Raising or lower road grade or surface prohibited.**

No Person or Public Utility, unless duly authorized in writing by the Village Engineer or by formal action of the Village board, shall raise or lower the surface of any road above or below the established grade, or remove any earth or soil from any road, or interfere with the surface or soil of any road in any manner whatsoever.

(x) **Double Fees.**

(1) Any Person or Public Utility who commences any activities for which a permit is required under this ordinance without first having applied for, paid the fee for and/or holding the required permit shall still be required to apply for, pay the fees for and hold the requisite permit before continuing any Excavation or other activities upon the site.

(2) Such Person or Public Utility shall also be required to pay double the fees otherwise applicable.

violation, or dereliction of duty on the part of any Village official, board or body constitute any defense.

SEC. 18-1-7 DISRUPTION OF DRAINAGE.

(a) It shall be unlawful for any person, firm, corporation, or public utility to fill or obstruct any ditch alongside a Village road, any drainage easement, or any creek, stream, river or canal, with any dirt, debris or construction, without prior written approval of the Village Engineer.

(b) It shall be unlawful for any person, firm, corporation or public utility to landscape, cultivate, plow or remove soil from their property in such manner as to obstruct or fill any ditch, drainage easement, creek, stream, river or canal, without prior written approval of the Village Engineer.

(c) Any person, firm, corporation or public utility who fills or obstructs or causes to be filled or obstructed any ditch, drainage easement, creek, stream, river or canal in violation of (1) or (2) above shall on written order from the Village Engineer, correct such violation and restore the affected, ditch, drainage easement, creek, stream, river or canal at his own expense. If corrective and restorative action is not commenced within ten (10) days after receipt of such written order, or completed within such reasonable time as the Village Engineer shall specify in writing, the Village may proceed with such work as is necessary for said correction and restoration and may charge the costs of the work to the violator, to be collected through legal action or the levying of a special tax or assessment.

(d) Failure to comply with the provisions of this section shall constitute a public nuisance.

(e) Any person, firm, corporation or public utility violating the terms of this section shall be guilty of a violation and upon adjudication to that effect, shall be subject to a forfeiture of not less than fifty dollars ($50.00) nor more than one hundred dollars ($100.00), and in default of payment of such forfeiture, shall be subjected to imprisonment in the county jail for not less than ten (10) days nor more than thirty (30) days.

VILLAGE OF CALEDONIA

Substitute ordinance 94-7, relating to obstruction of public right-of-ways during construction, demolition, and renovation projects.

-Analysis-

This substitute ordinance requires that proper barricades, flags, signs, lights, and flag holders be provided and maintained when construction, demolition, or renovation in any public right-of-way interferes with the normal flow of traffic. It also sets a penalty of not less than $250 nor more than $500 for each violation of the ordinance.

The Village Board of the Village of Caledonia, Racine County, Wisconsin ordains as follows:

Part 1. Section 11-2-6 (am) of the Code is created to read:

11-2-6. OBSTRUCTING STREETS AND SIDEWALKS PROHIBITED

(am) Construction, demolition or renovation projects.

1. **Any time that a construction, demolition or renovation project requires the use of the public right-of-way, the person in charge of the project shall provide and maintain adequate control measures to properly regulate the flow of traffic, including, but not limited to, appropriate barricades, signs, flags, flag people, and/or lights, as provided in the most current edition of the U.S. Department of Transportation's Manual on Uniform Traffic Control Devices for streets and highways.**

2. **In the event that such control measures are not provided, the Police Department shall have the authority to stop the project until the control measures have been provided.**

3. **Penalty – Any person convicted of violating this subsection shall forfeit not less than $250 nor more than $500 per violation, or upon default of payment be imprisoned for not more than 20 days. Each day of violation shall constitute a separate offense.**

Part 2. This ordinance shall take effect upon passage and publication.

MEMORANDUM

DATE: February 5, 2003

TO: Public Works Committee

FROM: Frederick A. Haerter, P.E.

RE: Paving Specifications

Background

The Town of Caledonia has previously required a 2" binder (base course and 1 ½" surface wear area course) pavement thicknesses for residential subdivision streets. The Engineering Department and the Highway Department believe that the current binder base asphalt surface is too thin to support the heavy loading that takes place during construction of dwelling units. In that the second or surface wear course is not added until the subdivision is 90% complete, the base course is severely stressed before the surface wear course is added. This leads to a diminished life for the pavement, which becomes the Town's responsibility after the completion of the surface course and acceptance of the roads.

In my experience, particularly in areas where the subsoil is greatly affected by ground-water, I have always used a minimum 4 ½" binder/base course, plus 1 ½"surface/wear course, totaling 6" total pavement depth. This pavement cross-section, particularly the binder/base course will insure proper support strength through the construction process. In checking with area communities, I have found:

- Franklin 6" (4 ½" Binder/1 1/2 " Surface)
- Oak Creek 6" (4" Binder/2" Surface)
- Kenosha 8" (6" Binder/2" Surface)

Therefore, I am recommending that the Town of Caledonia require new subdivision roads that shall have a minimum 6" thickness (4 ½" binder course in two applications, plus 1 ½" surface course) and that this specification shall be required in all subdivision developer agreements upon approval of the Town Board.

Recommendation

Recommend that Town Board approve an increase in pavement thickness to 6" (4 ½" binder course applied in two layers plus a 1 ½" surface course), said specification revision to be a requirement for any subdivision developer's agreement considered after adoption of this revision.

FAH

c: Town Administrator, Mark Luberda
Highway Superintendent, Bob Wittke

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FULL-DEPTH CONCRETE PATCHING

Prior to performing any work in Village right-of-way, contractor to contact the Village Engineer for installation and inspection instructions. A minimum of forty-eight hour notice to Village Engineer must be given prior to repair. Repair must be inspected by Village prior to pouring.

Any or all of the following documents that are applicable are included in the specifications for this contract:

- **Standard Specifications for Sewer and Water Construction in Wisconsin, 5th edition, March 1, 1988 herein referred to as "Standard Specifications".**
- **State of Wisconsin Standard Specifications for Road and Bridge Construction, edition of 1989, herein referred to as "State Specifications".**
- **Wisconsin Manual of Traffic Control Devices".**
- **The Caledonia Village Ordinances.**

Whenever the special conditions and the specifications differ, the special conditions shall govern. Whenever there is a conflict between the plans and specifications or special conditions, the special conditions shall govern.

Description

This work shall consist of the following:

1. **Saw-cut to full pavement depth the area as shown on the plans.**
2. **Remove concrete pavement.**
3. **Lower base course to provide eight-inch pavement thickness.**
4. **Install concrete pavement to the proposed grades.**
5. **Traffic control during operation.**

Pavement Removal

All work shall conform to the "State Specifications".

This method applies to Portland Cement Concrete (PCC) patches for jointed PCC pavement, including resurfaced PCC pavement.

The pavement to be removed shall be sawed with a blade to a full depth of eight-inches or through the existing pavement. The saw-cut shall be the initial operation. Edges at center lines and lane lines shall be sawed with a blade through existing tie bars.

The pavement to be replaced shall be lifted out in one piece. This work shall be done in such a manner so as to not damage the existing and adjacent concrete

pavement. Heavy equipment shall not be used adjacent to new concrete until the specified curing is completed.

During the pavement removal process, utmost precaution shall be taken by the contractor to avoid damage to existing adjacent pavement. Any damaged areas shall be repaired or replaced to the Village Engineer's satisfaction at no additional cost to the Village of Caledonia.

Contractor shall prepare the edges of the existing concrete to provide a sound and vertical edge. Preparation of the patched area shall be completed by using equipment no heavier than a 30-pound air chisel at the edges. Undercutting shall be avoided. The saw-cut shall be resawed, if necessary, so the edge of the pavement surface is not frayed or spalled.

All patches shall be approximately four feet in width and length.

Subbase or Sub-Grade to Full-Depth Finish Patches

Existing crushed base course in the patched area is to be removed to provide a proposed pavement thickness of eight inches.

If the sub-grade and/or subbase is unsuitable, the contractor will be required to excavate the unsuitable materials to the dimensions designated by the Village Engineer. The refill granular material used shall meet the requirements of Section-304, Gradation #2 of the "State Specifications". The base course shall be compacted in layers not to exceed four inches by means satisfactory to the Village Engineer.

The cost of this work shall be listed in the Schedule of Fixed Prices in the Bidders Proposal.

Placing Full-Depth PCC Finish Patches

Placing, consolidation, finishing, and curing of the concrete shall be as provided in WDOT Standard Specification Section 308.3.2, except as follows:

> The concrete shall be dumped or conveyed into the patch area so as to avoid segregation of the aggregates and cement then spread into place, vibrated with a mechanical vibrator and smoothed. Excessive vibrating shall be avoided. All patches are to be finished to the proposed grades shown on the plans. The surface shall be textured by finishing with burlap or carpet drag. The intention being to recreate the texture of the adjacent surface; these patches shall be checked for their elevation and leveling before the concrete has set, and spots that are 1/8 inch high or low ,as shown by the straightedge, shall be corrected.
>
> All edges of patches shall be finished with an edging tool.
>
> Immediately after the concrete has been finished and the surface water has disappeared, the concrete shall be cured.

SPECIAL CONDITIONS
FULL-DEPTH CONCRETE PATCHING

Pavement surfaces shall be cured as follows:

- **All joints shall be thoroughly cleaned by sandblasting, backer rod shall be installed and sealed with materials meeting requirements of WDOT Standard Specification Section 502.2.7.**

- **In cold weather, concrete with calcium chloride shall be covered with plastic film, placed in contact with the concrete surface, with the plastic film being covered with insulation board. This board shall be a cellulosic fiber sheathing with a nominal 25/32-inch thickness, similar to that specified in ASTM C 208. The board may be wrapped with plastic film to protect it from rain. The board shall be tightly placed over the patch so as to retain all possible heat in the concrete; however, when the concrete is finished below the adjacent surface and tight placement is not entirely practicable, the board shall be tightly placed at the transverse edges of the patch. The board shall be weighted to protect it from traffic and weather. These patches shall be cured in a minimum of five hours or as directed by the Village Engineer.**

- **Concrete without calcium chlorine shall be cured as mentioned in the above paragraph, except the curing time shall be a minimum of 36 hours or as directed by the Village Engineer.**

- **After the concrete patch has cured, the patched area will be temporarily filled in with a cold mix asphalt to match the elevation of the existing adjacent pavement.**

Concrete

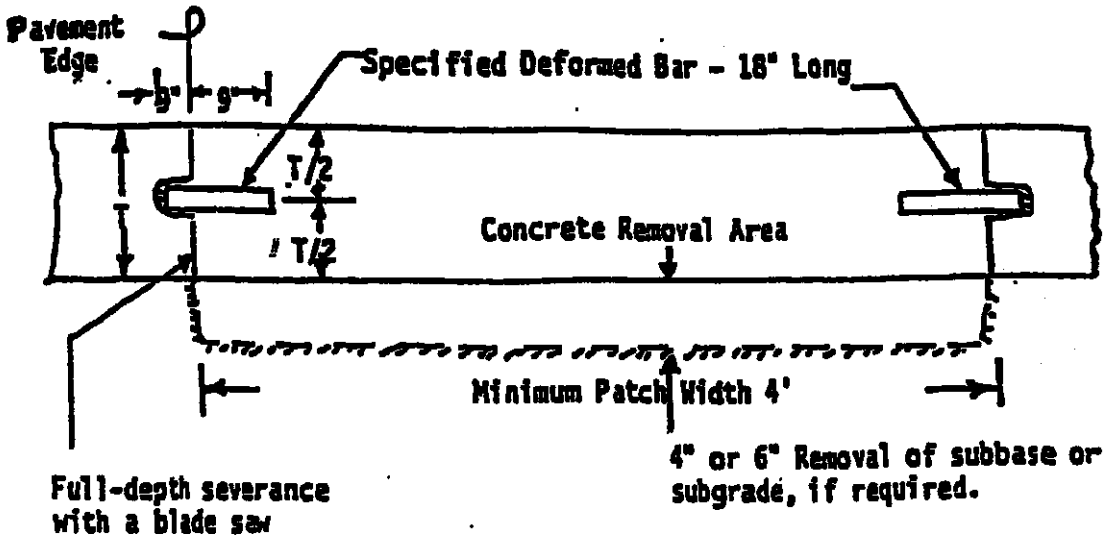
It is the intention to obtain concrete with a high early strength for early opening to traffic. Concrete shall be air-entrained, seven bag mix, Grade D conforming to Section 501.4.3 of the State Specifications.

A water reducing admixture may be used to increase workability of the concrete subject to approval of the Village Engineer.

Joint Sealer

The joint sealer used shall meet the requirements of Section 502.2.7 of the state specifications. After the milling contractor has milled the surrounding pavement, the patching contractor shall seal all joints. All joints shall be sandblasted, and if necessary, joints shall be resaved to a one-inch depth prior to sealing.

DOWELING DETAIL



NOTE: NO. 6 EPOXY COATED DOWELS ARE TO BE INSTALLED AT 30" ON CENTER

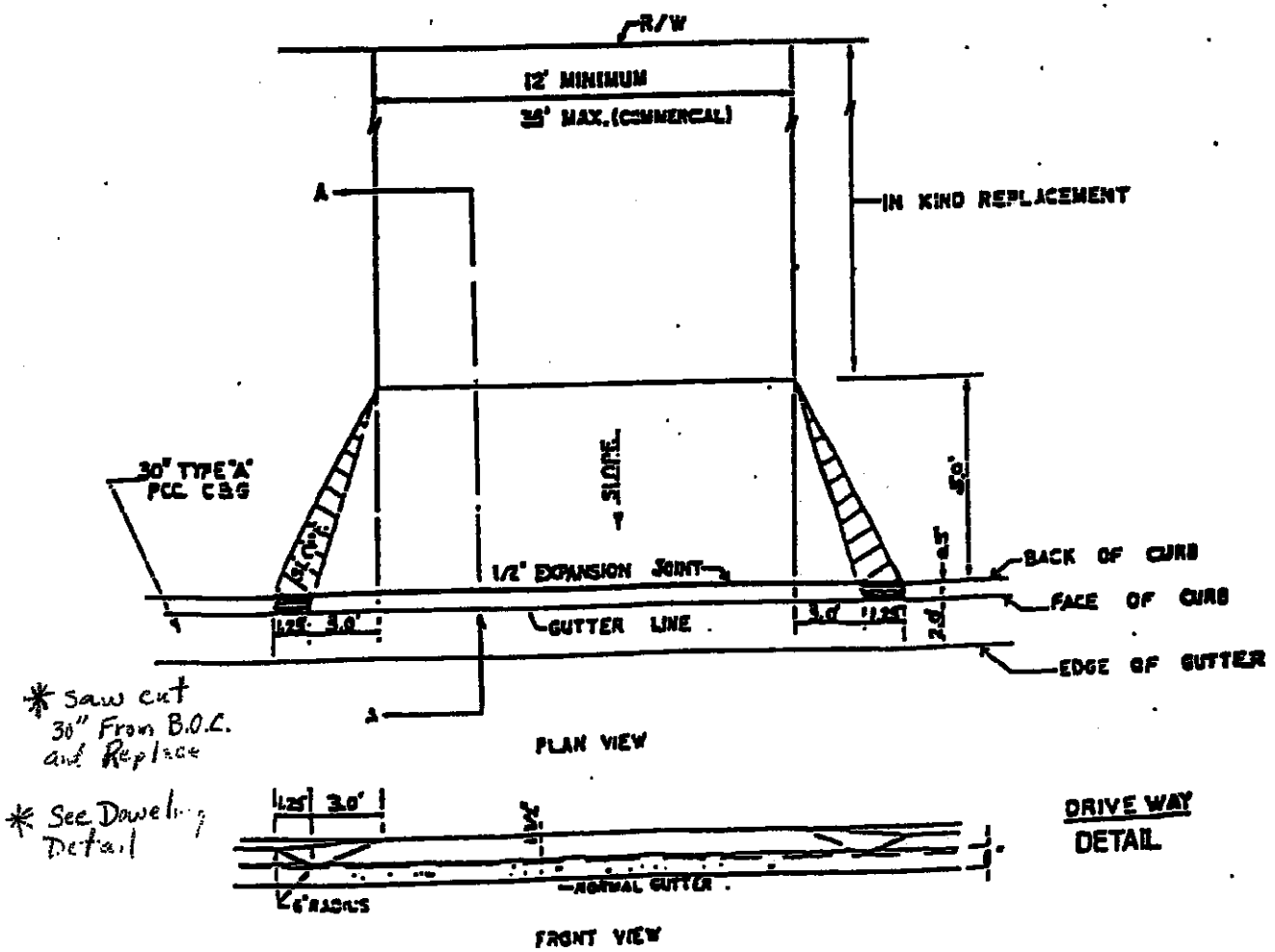
Dowels

The dowels used shall meet the requirements of Section 505.2.6.1 of the "State Specifications". Dowel bars shall be 18 inches long, No. 6 or ¾ inch epoxy coated deformed reinforcing steel bars. Bars shall be driven into place.

Holes for dowel bars shall be drilled into the face of the existing slab at such a diameter so as to provide a snug fit for a driven rebar. Drills used to make holes shall be held in a rigid frame to insure proper vertical and horizontal alignment with misalignment not to exceed ¼-inch in the vertical or oblique plane. The equipment shall be operated so as to prevent damage to the pavement being drilled. The drilling procedure shall be approved by the Village Engineer.

APRON DETAIL

The existing curb is to be saw-cut or ground as shown in the "Front View" on the detail. When cutting or grinding the curb, a gutter line (1" to 1 ½" deep) must be maintained to ensure proper flow along the face of the curb. The saw-cutting or grinding must have a smooth finish. This work must be done in such a manner so as to not damage the adjacent concrete pavement. The balance of the concrete patching, doweling, and apron installation shall conform to the attached specifications. The Village Engineer is to be contacted prior to construction for installation instructions. The Village Engineer is to be notified one (1) day prior to pouring concrete. An inspection will be made prior to the pour. Receipts for the concrete must be supplied to the engineer after the pour has been completed.



Date: _____

RE: Security for Road Opening

Village of Caledonia
6922 Nicholson Road
Caledonia, WI 53108

Attention: Village of Caledonia Treasurer

Gentlemen:

IRREVOCABLE LETTER OF CREDIT

We hereby authorize you to draw from time to time on _____
(Name of Bank)
of _____, Wisconsin, for the account of _____
(City)
of _____, Wisconsin, up to an aggregate amount of five hundred 00/100 dollars
(City)
($500.00) available by your drafts at SIGHT drawn by the Village Treasurer and accompanied by: a certificate of the Village Treasurer that such order or orders flow from construction being done to provide the filling of trenches and the relaying of pavement or gravel and the maintaining of such filled area to the level of the surrounding road surface for a period of 15 months from the date of the road opening permit issuance. Such security shall guarantee the permittee's performance and maintenance for the road opening made at the address of _____
(Address)
in the Village of Caledonia, Racine County, Wisconsin. Each draft must state that it is drawn under "Letter of Credit of _____, dated _____."
(Date)

Drafts under this letter of credit shall be drawn prior to _____
(Date)

_____
(Name of Bank)

By: _____

Attest: _____