

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1   3
2. AMENDMENT/MODIFICATION NO. 0004	3. EFFECTIVE DATE 29-Sep-2004	4. REQUISITION/PURCHASE REQ. NO. W16ROE-4099-7667	5. PROJECT NO.(If applicable)	
6. ISSUED BY USA ENGINEER DISTRICT, NEW YORK ATTN:CENAN-CT ROOM 1843 26 FEDERAL PLAZA NEW YORK NY 10278	CODE W912DS	7. ADMINISTERED BY (If other than item 6) ENGINEERING DIVISION U.S. ARMY CORPS OF ENGRS 26 FEDERAL PLAZA NEW YORK NY 10278-0090		CODE E3L0000
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W912DS-04-B-0018
			X	9B. DATED (SEE ITEM 11) 01-Sep-2004
				10A. MOD. OF CONTRACT/ORDER NO.
				10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to make changes for Green Brook Sub Basin of the Raritan River Green Brook Flood Control Project Segment R1 Borough of Boundbrook, New Jersey (see attached sheets). As a result of these changes, the Bid Opening Date is extended from 30 September to 14 October 2004 at 1:00 P.M.  This amendment shall be attached to the specifications and shall be part thereof. NOTE: Bidders must acknowledge receipt of this amendment by the date specified in the solicitation (or as amended) by one of the following methods: in the space provided on the SF 1442, by separate letter, or by telegram, or by signing block 15 below. FAILURE TO ACKNOWLEDGE AMENDMENTS BY THE DATE AND TIME SPECIFIED MAY RESULT IN REJECTION OF YOUR BID IN ACCORDANCE WITH THE LATE BID, LATE MODIFICATIONS OR BIDS OR LATE WITHDRAWAL OF BIDS (FAR 14.304)				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL: _____ EMAIL: _____	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		29-Sep-2004

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

STANDARD FORM 30 (Rev. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

## SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT #004**NOTICE TO BIDDERS**

Failure of the bidder to Acknowledge receipt of this Amendment in Item 19 of Standard Form 1442 (Pg. 00010-2) may result in REJECTION of the bid.

IFB NO. DACW51-03-B-0018

Amendment No. 4

Department of the Army, NYD  
Corps of Engineers  
New York, NY 10278-0090

**AMENDMENT NO. 4:** TO PLANS & SPECIFICATIONS FOR GREEN BROOK SUB BASIN OF THE RARITAN RIVER GREEN BROOK FLOOD CONTROL PROJECT SEGMENT R1 BOROUGH OF BOUNDBROOK NEW JERSEY

**TO BIDDERS**

**NO FURTHER QUESTIONS FOR THIS SOLICITATION SHALL BE ACCEPTED BY THE GOVERNMENT. OFFERERS MUST BID THE PROJECT AS THEY SEE IT, UNLESS MAJOR TECHNICAL DEFICIENCIES ARE FOUND.**

1. **Bid Opening:** The date for Bid Opening is changed from Thursday Sept 30<sup>th</sup> to Thursday Oct 14<sup>th</sup> 2004 at 1:00 PM. The place for Bid Opening remains unchanged.
2. **Specifications:**

**Section 00901:**

Added. NJDEP Permits and Somerset County Permits included in this new section.

- The construction contractor is responsible to obtain and abide by the requirements of the Somerset County Road Opening Permit for access to perform work on Borough of Bound Brook property identified in Somerset County Tax records as Block 14/Lots 2 and 3.

3. **Plans – Narrative Changes**

**Sheet 4:**

Riprap for Concrete Apron thickness = 4.4 Feet

**Sheet 12:**

Cellular Confinement System Note Added

**4. THESE QUESTIONS AND ANSWERS ARE FOR INFORMATIONAL PURPOSES ONLY**

COMMENT: Drawing #4 shows Cellular Confinement System for DS.No.7, However, Sheet #12 only shows Riprap throughout the Channel Width. Which one is correct?

RESPONSE: Sheet 12 revised. Cellular Confinement System should be installed above riprap on regraded slope.

COMMENT: Sheet No 4 shows a new 18" RCP. There are no details/profile for the new 18" RCP or the Manholes related to this pipe. Will you provide this information?

RESPONSE: Refer to the pipe installation detail on Sheet 19 and manhole details on sheet 22. Manhole Coordinates and Pipe inverts are shown on sheet 4.

COMMENT: There is no detail or section or the type of repair shown for the "Repair Concrete Apron" Item. Will you provide this information?

RESPONSE: The dimensions shown on Sheet #4 are minimum dimensions. Exact dimensions shall be determined in the field based upon field conditions and as directed by the Contracting Officer's Representative.

5. This Amendment shall be attached to the specifications and shall be a part thereof.

ELLA SNELL  
CONTRACTING OFFICER  
C, CONTRACTING DIVISION

(End of Summary of Changes)



**STATE OF NEW JERSEY**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
*(See Issuing Division below)*  
**PERMIT\***



The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. 1800-03-0001.1 FHA 040001 1800-03-0001.1 FWW 040001 (GP10A) 1800-03-0001.1 FWW 040002 (GP11)	Application No.
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Issuance Date <b>SEP 10 2004</b>	Effective Date <b>SEP 10 2004</b>	Expiration Date <b>SEP 10 2009</b>
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Name and Address of Applicant  Mr. Clark D. Gilman, PE NJDEP- Bureau of Engineering and Construction 501 East State Street PO Box 419 Trenton, NJ 08625	Name and Address of Owner	Name and Address of Operator
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Location of Activity/Facility (Street Address)  Lots: various Blocks: various Twps.: Bound Brook, Bridgewater County: Somerset	Issuing Division  Land Use Regulation Program	Statute(s)  NJSA 13:1D-1 NJSA 13:9B-1 NJSA 58:10A-1 NJSA 58:16A-50, et. seq.
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Type of Permit Stream Encroachment Freshwater Wetlands	Maximum Approved Capacity, if applicable
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This permit grants permission to:

construct a 2,700-foot long earthen flood control levee and eight (8) outfall structures within the flood plain of Middle Brook, to replace the Talmage Avenue crossing over said watercourse, and to stabilize a 500-foot long reach of the easterly bank of said watercourse, in connection with the construction of Segment R-1 of the Green Brook Flood Control Project, located in the Borough of Bound Brook and the Township of Bridgewater, Somerset County, New Jersey. This permit also approves of the disturbance of 0.08 acres of State open water for the replacement of the Talmage Avenue crossing under Freshwater Wetlands Statewide General Permit 10 and the disturbance of 0.075 acres of State open water for the construction of eight (8) stormwater outfall structures under Freshwater Wetlands Statewide General Permit 11.

Prepared By: Peter DeMeo  
Peter DeMeo

(See page 7 for Bureau Manager's signature)

Revised Date	Approved by the Department of Environmental Protection
	Name (Print or Type) _____ Title _____
	Signature _____ Title _____

## **Terms And Conditions**

**This permit is subject to the following terms and conditions:**

1. This permit is revocable, or subject to modification or change at any time, pursuant to the applicable regulations, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of the permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.
3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.
4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.
5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of ownership.
6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. In cases of conflict, the conditions of this permit shall supersede the plans and/or engineering data.
9. **Limit and Extent of Approval**
  - a. This approval grants permission to the applicant and/or its agents to undertake an activity regulated by the State of New Jersey as described by the text of this permit and as detailed by the herein approved plans. Any construction, grading, removal of vegetation, or other activity at this site within or affecting a regulated flood plain, other than specifically approved by this permit or as detailed by the approved drawings, shall require additional approvals from the Department. The commencement of such regulated activities without the appropriate approvals shall be in violation of State law.
  - b. All activities authorized by this permit shall be completed within five years of the issuance date as listed on the first page of this document. At that time, this approval, if not previously revoked, shall automatically become null and void, and none of the activities referenced herein may commence or continue until a new approval has been granted by the Department.
10. **Method of Construction**
  - a. All activities approved by this permit shall be performed under the supervision and

## Terms And Conditions

direction of a Professional Engineer licensed in the State of New Jersey, and shall be undertaken using the best management practices available. Furthermore, the site shall be subject to inspection at any time by representatives of the Department to ensure the continuous application of the provisions of this permit.

- b. During the course of construction, neither the applicant nor its agents shall cause or permit any unreasonable interference with the free flow of the stream by placing or dumping any materials, equipment, debris or structures within or adjacent to the stream corridor. Upon completion or abandonment of the work, the applicant and/or its agents shall remove and dispose of in a lawful manner all excess materials, equipment and debris from the stream corridor and adjacent lands.
- c. All activities authorized by this permit shall be stabilized in accordance with the *Standards for Soil Erosion and Sediment Control in New Jersey* (obtainable from local Soil Conservation District offices), or equal engineering specifications, to prevent eroded soil and sediment from entering adjacent waterways and wetlands at any time during and subsequent to construction. The Department reserves the right to order the suspension of any activity if unacceptable levels of erosion or turbidity result from the same. Furthermore, the applicant shall maintain the stream corridor as shown on the approved drawing/s for either such time as is required for the channel and/or banks to become reasonably stabilized, or for one year after completion of the project (as evidenced by a Certificate of Completion), whichever period of time is longer.

### 11. Responsibilities of Applicant

- a. The granting of this permit does not in any way relieve the applicant and/or its agents from the responsibility for damages caused by any construction or activities hereby approved, nor does the Department accept responsibility for any structural designs.
- b. No construction authorized by this permit may begin until the enclosed **permit acceptance form** has been signed by the applicant and is returned to the Department. By signing and submitting this form, the applicant accepts this permit in its entirety and agrees to adhere to all of its terms and conditions. Please be advised that this permit may be declared null and void should it be determined that adequate measures had not been taken by the applicant and/or its agents to ensure the continuous implementation of these terms and conditions.
- c. Within ten (10) days of the receipt of this permit by the applicant, this permit shall be recorded in its entirety in the office of the County Clerk or the Registrar of Deeds and Mortgages for each county where this permit is located. Verified notice of this action shall be forwarded to the Department immediately thereafter.
- d. The enclosed **construction notice** shall be completed by the applicant or its agent and submitted to the Department at least fourteen (14) days prior to the commencement of the herein approved activities.
- e. The enclosed **completion report** shall be completed by a Professional Engineer licensed in the State of New Jersey and submitted to the Department within thirty (30) days after completion of the herein approved activities.

12. All excavated material must be disposed of in a lawful manner outside of any regulated flood plain, riparian buffer (25 feet from top of bank), open water, freshwater wetlands or

### Terms And Conditions

- adjacent transition areas, and in such a way as to not interfere with the positive drainage of the receiving area.
13. Riprap stabilization may be placed along the Talmage Avenue bridge abutments as a scour protection measure. Similarly, riprap may be used in the bank stabilization area up to the elevation of the 2-year storm. Hard armoring is permitted at no other locations. The existing stream cross-channel profile must be protected or restored. Riprap armoring must not extend across the entire channel.
  14. Except where the use of riprap is authorized in accordance with Condition 13 and as shown on the approved plans, the streambed must be left intact. Any minor disturbances need to be restored using native substrate.
  15. The top of bank along Middle Brook in the project area must be replanted, at the latest, by the first spring after project completion.
  16. In order to protect the warmwater fishery resource/warmwater fish spawning within Middle Brook, any proposed instream or bank sediment generating aspects of proposed construction is prohibited between **May 1 through June 30** of each year. In addition, any activity within the 100-year flood plain or flood hazard area of this watercourse that could introduce sediment into said watercourse or that could cause an increase in the natural level of turbidity is also prohibited during this period. The Department reserves the right to suspend all regulated activities on site should it be determined that the applicant has not taken proper precautions to ensure continuous compliance with this condition.
  17. While reconstructing the Talmage Avenue crossing, all precautions must be taken to prevent raw concrete from coming in contact with the waters of the Middle Brook. Raw concrete is toxic to aquatic biota.
  18. **Provisions of Freshwater Wetlands Statewide General Permits 10A and 11**

#### Limit of Authorized Disturbance:

This portion of the permit authorizes the disturbance of **0.08 acres** of State open waters in order to replace the Talmage Avenue crossing over Middle Brook in accordance with Freshwater Wetlands Statewide General Permit 10A, which authorizes minor road crossing fills and the expansion of existing fills including attendant features that are part of a single and complete project for crossing wetlands or a State open water. This permit also authorizes the disturbance of **0.075 acres** of State open waters in order to construct eight (8) stormwater outfall structures in accordance with Freshwater Wetlands Statewide General Permit 11, which authorizes construction of stormwater outfall structures and associated stormwater conveyance structures such as pipes, headwalls, rip-rap, and other energy dissipation structures. The authorization of activities under these Freshwater Wetlands Statewide General Permits includes a transition area waiver which allows encroachment only in that portion of the transition area which has been determined by the Department to be necessary to accomplish the authorized activities.

#### Water Quality Certificate:

This permit to conduct regulated activities in wetlands/State open waters includes the Department's approval of a Water Quality Certificate for these activities.

**Terms And Conditions**

19. The applicant must obtain a Freshwater Wetlands Permit or a Transition Area Waiver for the proposed construction within freshwater wetlands, wetland transition areas or State open waters on site, in accordance with N.J.A.C. 7:7A-1.1 et seq. from the Land Use Regulation Program. Specifically, a review of this project indicates that a Transition Area Waiver **must be obtained prior to the construction of the proposed flood control levee** within these areas. This stream encroachment permit has been approved because the project satisfies the requirements of the Flood Hazard Area Control Act Rules. This decision does not in any way indicate that the required Freshwater Wetlands permits will also be approved. No construction may begin within the wetlands, transition areas, or open waters until all necessary approvals are obtained from the Department.
20. The applicant must obtain easements on all properties upon which the design water surface elevation increases will exceed 0.2 feet as a result of the construction of the Segment R-1 levee. **No construction may begin until all required easements have been obtained.**
21. The drawings hereby approved are twenty nine (29) sheets prepared by the US Army Corps of Engineers, New York District, dated April 30, 2004, unrevised, unless otherwise noted, entitled:

**"GREEN BROOK SUB-BASIN OF THE RARITAN RIVER GREEN BROOK FLOOD CONTROL PROJECT SEGMENT R-1 BOROUGH OF BOUND BROOK NEW JERSEY"**

"PLAN STA. 0+00R TO STA. 6+78.83R", Sheet 4 of 37, dated August 31, 2004,

"PLAN STA. 6+78.83R TO STA. 17+74.30R", Sheet 5 of 37, dated August 31, 2004,

"PLAN STA. 17+74.30R TO STA. 24+00R", Sheet 6 of 37, dated August 31, 2004,

"LEVEE PROFILE", Sheet 7 of 37, dated August 31, 2004,

"CROSS SECTIONS STA. 0+60 TO STA. 7+80", Sheet 8, dated August 31, 2004,

"CROSS SECTIONS STA. 8+40 TO STA. 17+40", Sheet 9 of 37, dated August 31, 2004,

"CROSS SECTIONS STA. 18+00 TO STA. 24+00", Sheet 10 of 37, dated August 31, 2004,

"DRAINAGE STRUCTURE NO. 7", Sheet 11 of 37,

"OUTLET STRUCTURE NO. 7A", Sheet 13, of 37,

"DRAINAGE STRUCTURE NO. 8", Sheet 14 of 37, dated August 31, 2004,

**Terms And Conditions**

"DRAINAGE STRUCTURE NO. 9", Sheet 15 of 37,

"DRAINAGE STRUCTURE NO. 10", Sheet 16 of 37,

"DRAINAGE STRUCTURE NO. 11", Sheet 17 of 37,

"DRAINAGE STRUCTURE NO. 12", Sheet 18 of 37,

"MISCELLANEOUS DETAILS NO. 1", Sheet 19 of 37,

"MISCELLANEOUS DETAILS NO. 2", Sheet 20 of 37,

"PLANTING PLAN 1 STA. 0+00R TO STA. 6+78.83R", Sheet 29 of 42,  
dated September 1, 2004,

"PLANTING PLAN 2 STA. 6+78.83R TO STA. 17+74.30R", Sheet 30 of 42,  
dated September 1, 2004,

"WETLAND PERMIT APPLICATION PLAN STA. 0+00R TO STA.  
6+83R", Sheet 1 of 4, dated September 1, 2004, last revised September 8,  
2004,

"WETLAND PERMIT APPLICATION PLAN STA. 6+83R TO STA.  
17+76R", Sheet W2, dated September 1, 2004, last revised September 8,  
2004,

"GREEN BROOK SUB-BASIN OF THE RARITAN RIVER GREEN BROOK FLOOD  
CONTROL PROJECT CONTRACT NUMBER STREAM ENCROACHMENT  
APPLICATION TALMAGE AVENUE BRIDGE GENERAL PLAN AND ELEVATION  
BRIDGEWATER & MIDDLESEX NEW JERSEY", Sheet B-1, dated April 2004, last  
revised July 1, 2004,

"GREEN BROOK SUB-BASIN OF THE RARITAN RIVER GREEN BROOK FLOOD  
CONTROL PROJECT SEGMENT R-1 BOROUGH OF BOUND BROOK AND  
TOWNSHIP OF BRIDGEWATER NEW JERSEY"

"TALMAGE AVENUE PLAN AND PROFILE SHEET NO. 1", Sheet B-2,

"TALMAGE AVENUE PLAN AND PROFILE SHEET NO. 2", Sheet B-3,

"TEA STREET PLAN AND PROFILE SHEET NO. 1", Sheet B-4,

"WHEATLAND AVENUE PLAN AND PROFILE SHEET NO. 1", Sheet  
B-5,

**Terms And Conditions**

"ROADWAY CROSS SECTION", Sheet B-6,

"TYPICAL ROADWAY CROSS SECTIONS", Sheet B-7,

"PRELIMINARY ML2 PRIMARY OUTLET PROFILE", Sheet B-8, and

"PRELIMINARY DRAINAGE STRUCTURE NO. 13", Sheet B-9.



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Robert B. Piel, Jr., Manager  
Bureau of Inland Regulation

9/10/04  
Date

**THE BOARD OF CHOSEN FREEHOLDERS  
OF  
SOMERSET COUNTY**

**DEPARTMENT  
OF  
PUBLIC WORKS**

**SPECIFICATIONS AND FEE SCHEDULES  
FOR  
ROAD OPENINGS**

**DATE: APRIL 2004**

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**RESOLUTION ADOPTING REVISED ROAD OPENING SPECIFICATIONS  
AND FEE SCHEDULE FOR CONSTRUCTION IN COUNTY RIGHT OF WAY, DATED  
APRIL 2003**

WHEREAS, the Board of Chosen Freeholders of the County of Somerset adopted a Resolution to regulate the excavation, maintenance, and restoration of Somerset County Roads on January 29, 1964 and a revision thereto on August 4, 1964, August 1982, January 1991, and again in June 1991; and

WHEREAS, the report and recommendation of the Somerset County Director of Public Works shows that the provisions of said Resolution need to be revised to reflect current standards and specifications, and costs.

NOW THEREFORE BE IT RESOLVED by the Board of Chosen Freeholders of Somerset County, that said Board, on behalf of said County hereby adopts the "Road Opening Specifications and Fee Schedule for Construction in County Right of Way, Dated April 2003" and all provisions a part thereof; and

BE IT FURTHER RESOLVED by the Board of Chosen Freeholders of Somerset County, that said Board, on behalf of said County hereby authorizes and directs the Somerset County Director of Public Works to make this Resolution a part of the aforementioned Road Opening Specifications and Fee Schedule for Construction in County Right of Way, dated April 2003 and to arrange for same to be printed in booklet form and to supply each and every applicant for a Somerset County Road Opening Permit with a copy of said booklet; and

BE IT FURTHER RESOLVED by the Board of Chosen Freeholders of Somerset County, that said Board, on behalf of said County that a person, corporation, officer or board violating General Provision No. 2 of the aforementioned Specifications and Fee Schedule shall for each violation be subject to a fine of not more than \$500.00 or imprisonment in the County Jail for a period not exceeding ninety (90) days or both.

### GENERAL PROVISIONS

1. A Road Opening by definition includes any and all work within the Somerset County Right-of-Way.
2. No person, persons or corporation, municipal or private, nor any utility company, public or private, shall for any purpose open, tear up, excavate, bore, tunnel or drive under or in any way impair the surface or subsurface within the limits of the right-of-way of any County road without first obtaining a permit from the County Director of Public Works. The permit or copy thereof shall be available at the site during the duration of the work and shall be presented for inspection upon request of the County Director of Public Works or his authorized representative.
3. No permit shall be issued to open the pavement of any road which has been constructed or reconstructed for a period of five (5) years from the date of completion of said construction except in the event of an emergency or hardship.

No permit shall be issued to open the pavement of any road which has been overlaid for a period of three (3) years from the date of completion of said overlay work except in the event of an emergency or hardship.

An emergency or hardship shall include a water main break, gas leak, sanitary sewer break, or any situation which may result in harm to the public's health, safety, welfare or damage to public or private property.

4. Application for a permit shall be made in writing on forms as prescribed by the County Director of Public Works and filed at least two (2) weeks prior to the proposed commencement of any work. Plans, profiles, insurance certificate, application and deposit fees, and other details necessary to accurately depict the work to be performed shall be submitted with the application. When an opening is less than 100 feet long and County facilities other than road surfaces will not be affected, the County Director of Public Works or his authorized representative may waive the requirements for submission of plans. If the requirement for submission of plans is waived, a sketch on the application showing the proposed work and its exact location will suffice.

The County Director of Public Works or his authorized representative shall review the application and accompanying data. The applicant will then be notified as to any objections to the application, and any conditions to be imposed on the application.

When satisfied that the applicant has complied with all provisions governing the application, the County Director of Public Works will issue a permit. No work shall commence until a minimum of two (2) working days notice is given to the office of the County Engineer after the date set forth in the issued permit.

In the event of an emergency, the two (2) week filing period may be waived by the County Director of Public Works or his authorized representative and the permit may be issued within a shorter period of time as may be deemed appropriate. If circumstances

*no fee*

warrant, an oral application immediately followed by a facsimile must be made within 24 hours, followed by a written application submitted within 48 hours.

- could be opening loops*
5. The applicant must be a contractor, either corporate, individual, or partnership, who will be actually engaged in the performance of the work under the permit and who will be directly responsible for the performance of the work, for the adherence of the work to the specifications, and for on the behalf of the owner for whom the work will be completed.
  6. The Somerset County Director of Public Works will not issue a permit unless the applicant has deposited, as security for faithful performance, a certified check made payable to the "Somerset County Treasurer," the amount thereof to be based on the Deposit Fee Schedule as contained in the Fee Schedule herein provided. When the required Deposit Fee exceeds \$4,000.00 the remainder may be in the form of a bond with Surety satisfactory to the County. The applicant shall also pay, by separate money order or certified check, a non refundable application fee as set forth in said schedule and shall submit proof of insurance as set forth in Item 19 of these General Provisions.
  7. Permits will be required of persons or corporations under contract to the County of Somerset to perform work within the County Right-of-Way, however applicable fees will be waived.
  8. Application fees and Performance Guarantee will not be required from any municipal entity providing all work is performed by the municipal entity. However, any person or corporation under contract to a municipality to install water lines, sanitary sewer lines, of any other facility shall comply fully with all provisions stipulated herein.
  9. Performance Guarantee will not be required from any public utility, as defined in N.J.S.48:2-13, which is subject to the jurisdiction and control of the Board of Public Utilities Commissioners of the State of New Jersey providing they have executed our standing agreement referred to in Paragraph 9A.
  - 9A. In order for a utility company to avoid the requirement that its contractor comply with all the provisions of these specification, the utility company may satisfy the requirements in Paragraph 9A by signing a Standing Agreement with the County of Somerset which provides the following:
    - a. In the event any monies are drawn against the cash bond, the utility company must immediately replace the sum withdrawn upon notification by the County.
    - b. Comply with the requirements to provide insurance certificates for themselves and their contractors as required in these specifications.
    - c. The utility company must have a representative on the job and/or site at all times, and have this representative serve as the liaison between the utility company and its contractor and be prepared to immediately implement and carry out the County's instructions, requirements and directives.

- d. The utility company must have access to its contractor day and night and provide the County with the telephone numbers for its field representative so the County can contact this representative day or night, seven days a week.
  - e. Post a standing bond in the amount of \$500,000.00 to insure and guarantee restoration of the roads, compliance with the specifications and all the obligations set forth in this Specifications and Fee Schedule for Road Opening Permits.
  - f. The Standing Agreement will be entered into on an annual basis and may not be renewed if the utility company has not complied with the terms in these Specifications and the annual Standing Agreement.
10. A road opening permit is required for improvements to be constructed in the County Right of Way that are part of Land Development Projects. Performance Guarantees will not be required of applicants for permits to install Land Development Project improvements by the Somerset County Planning Board.

When applying for a permit for the above purpose, the applicant must provide the County Director of Public Works with confirmation, in writing, from the County Planning Board that the subject application has been approved by the County Planning Board, along with two sets of stamped accepted plans.

Application Fees and Performance Guarantees will be required for the permits necessary for the installation of utilities that are required to serve Land Development Projects, should Performance Guarantees for same not be required by the County Planning Board.

- 11. Except in the event of an emergency as described in General Provision No. 3, the first day of work for which a permit is issued cannot be a Friday, Saturday, Sunday or eve of a legal holiday.
- 12. The applicant shall notify the County Director of Public Works and the local police department at least forty eight (48) hours in advance of the actual commencement of any work. The applicant shall also provide the local police department with the names and night phone numbers of at least two individuals authorized to make emergency repairs to the road opening.
- 13. The applicant shall comply with all applicable statues pertaining to notification of any person or corporation engaged in the distribution or transmission of manufactured, mixed or natural gas or synthetic natural gas, liquified natural gas or propane gas in the area of the proposed road opening and ascertain from such person or corporation the location of all such as lines or pipe lines within 200 feet of the proposed excavation, including calling 1-800-272-1000. The applicant shall be solely responsible for ascertaining the location of all utilities and for the repair of same if damaged as a result of work for which the road opening permit is issued.
- 14. The applicant shall notify all property owners at least **FORTY EIGHT (48) HOURS** in advance of any work which will interfere with access to their residence or place of business.

15. The latest New Jersey State Department of Transportation Standard Specifications for Road and Bridge Construction with all amendments and supplements shall govern all of the work performed under these specifications except as supplemented herein.
16. All utilities shall be constructed with a minimum of four feet of cover to provide protection for the utilities in the event that future County road reconstruction, repair or modifications which necessitates excavation, undercutting, or installation of facilities in the area where the utility is located.
17. Construction signing will be installed 24 hours in advance of a multi day construction project and arrangements made for the Director of Public Works or his representative to inspect same before construction commences. The signage must be properly covered until the commencement of work.
18. No County Road shall be closed to traffic without the prior consent of the County Director of Public Works and the local police department. The applicant shall first obtain the written consent of the local police department to establish a detour. Plans showing the proposed detour and signing for same shall then be submitted by the applicant to the local police department and the County Director of Public Works for approval. The applicant shall also obtain all approvals/or permits required by any other jurisdiction affected by the detour or the signing for same.

Once approval to close a road has been obtained, the applicant is responsible to notify affected Municipal Entities including Police Department, Boards of Education, Fire Departments, Rescue Squads, and any others deemed necessary as to the dates the closing will be in effect.

Traffic shall not be constricted on any County Road without the prior consent of the County Director of Public Works and the local Police Department. Passage at all times must be available to emergency vehicles.

The County Director of Public Works may, upon consultation with the local Police Department, restrict the hours during which work may be performed in a County road when traffic is to be constricted or detoured as the result of said work.

Work which constricts traffic on any County road will be limited to 9:00 AM to 3:00 PM or as determined by the Director of Public Works.

19. The applicant shall indemnify and save harmless the County, its officers and employees, from all suits, actions, or claims of any character brought because of any injuries or damage received or sustained by any person, persons, or property on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Applicant; or because of any claims or amounts recovered from any infringements of patent, trade work, or copyright; or from any claims or amounts arising or recovered under the Workmen's Compensation Act, or any other law, ordinance, order, or decree; and so much of the money due the said applicant under and by virtue of his work under this permit as may be considered necessary by the County for

such purpose may be retained for the use of the County; or in case no money is due, his Surety may be held until such suit or suits, action or actions, claim or claims for injuries or damages as aforesaid shall have been settled and suitable evidence to that effect furnished to the County; except that money due to the applicant will not be withheld when the applicant produces satisfactory evidence that he is adequately protected by Public Liability and Property Damage insurance.

The applicant shall also notify its insurance company that it has entered into an indemnification agreement with the County and that the terms of the indemnification should be covered by the applicant's insurance.

Workmen's Compensation and Liability Insurance shall be maintained in force during the life of the work under the permit by the applicant covering all employees engaged in performance of the work under this permit in accordance with applicable statute.

As a minimum, the applicant shall carry the following kinds and amounts of insurance in addition to any other forms of insurance or bonds required under the terms of these Specifications. When applying for a permit, the applicant shall file with the Director of Public Works a certificate from his insurers, showing the amounts of insurance carried and the risks covered thereby, or a copy of the required insurance policies. All insurance policies described herein shall contain a provision that the same shall remain in full force and effect for a period not to exceed two (2) years after the last work under any permit has been completed and accepted by the County and shall name the County of Somerset, its Officers and employees as additional insureds.

- a. Public Liability Insurance of not less than \$500,000.00 for all damages arising out of bodily injury or death of one person, and subject to that limit for each person, a total limit of \$1,000,000.00, arising out of bodily injury or death of two or more persons in any one accident or occurrence.

Property Damage Liability Insurance providing for a limit of not less than \$500,000.00 for all damages arising out of injury or destruction of property in any one accident or occurrence and subject to that limit per accident, a total or aggregate limit of \$1,000,000.00 for all damages arising out of injury to our destruction of property during the policy period.

Automobile Liability Insurance covering the applicant for claims arising from owned, hired, and non-owned vehicles with limits of not less than \$1,000,000.00 one person and \$3,000,000.00 any one accident for bodily injury and \$1,000,000.00 each accident for property damage shall be maintained in force during the life of the work under this permit.

In addition, with respect to the operations the Applicants subcontractors perform, the applicant shall carry for them and in the name of the County, regular protective liability insurance in the amount of \$500,000.00/\$1,000,000.00, and regular protective property damage liability insurance in the amount of \$500,000.00/\$1,000,000.00.

It is specifically agreed between the parties executing this permit that it is not intended by any of the provisions of any part of these specifications to create for the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to the requirements of this permit to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this permit.

20. The County Department of Public Works shall periodically inspect all road openings and the repair and resurfacing thereof for the purpose of determining compliance with any conditions imposed on the issuance of the permit and compliance with the specifications. The County Department of Public Works may, upon the recommendation of its inspector:
- a. Order a temporary stop to any road opening and order that the applicant perform or correct specified work in accordance with the directions of the County Department of Public Works.
  - b. Order a stop to any work and revoke permit in which event the County Department of Public Works shall complete, or cause to be completed, any work necessary to restore the road (See General Fee Schedule Provisions, Paragraph B).
  - c. Correct, or cause to be corrected, any work after notification to the applicant by the local police or the County Department of Public Works and the neglect or refusal of the applicant to make corrections as indicated, at the sole cost and expense of the applicant. (See General Fee Schedule Provisions, Paragraph B).
  - d. Correct, or cause to be corrected, any work should the local police or the County Department of Public Works be unable to contact the Applicant or any of the Applicant's representatives whose phone numbers appear on the permit application at the sole cost and expense of the applicant. (See General Fee Schedule Provisions, Paragraph B).
  - e. Take any other action deemed reasonable under the circumstances.
21. Upon satisfactory completion and acceptance of all restoration work required under the permit the applicant shall post with the County a two year Maintenance Guaranty. The Maintenance Guaranty shall be twenty (20) percent of the Deposit Fee. Should the amount of required Maintenance Guaranty be \$4,000.00 or less, said amount will be retained from the Deposit Fee. Should the amount of the required Maintenance Guaranty exceed \$4,000.00, the remainder of the amount may be in the form of a bond with surety satisfactory to the County. All Maintenance Bonds shall contain a provision that the same shall remain in effect for a period not to exceed two (2) years after the last restoration work under any permit has been completed and accepted by the County. In the event any maintenance is required due to any action taken on a road permit (such as potholes or the like) that the County may be authorized not only to forfeit any funds referred to in Paragraph 21, but also to withhold any future permits until the work has been satisfactorily completed. At the end of the two (2) year period, it is the applicant's responsibility to notify the office of the County Department of Public Works requesting a final inspection and release of the maintenance guaranty.
22. The provisions herein set forth are designed as minimum requirements for the safety and welfare of the general public. However, if an applicant can demonstrate that, with reference his application, the ideal enforcement of one or more of said provisions will exact an undue hardship, the Board of Chosen Freeholders may permit such waiver or waivers as may be reasonable and within said general purposes.
23. **CALL BEFORE YOU DIG FOR UTILITY LOCATIONS: 1-800-272-1000.**

Sep 28 2004 9:20 P.12

**GENERAL FEE SCHEDULE PROVISIONS**

- A. The trench widths to be used to compute Deposit Fees for pipe sizes and/or depths not shown in the Trench Width Chart shall be as determined by the County Director of Public Works or his authorized representative. When it is not possible to use the Trench Width Chart and/or the Fee Schedules to compute the application fees and/or the deposit fees due to the nature of the proposed work, said fees shall be as determined by the County Director of Public Works.
- B. In the event the County Department of Public Works is required to make repairs to a road opening or is required to make arrangements for such work, the County is authorized to utilize the cash bond to pay for such work and the applicant shall reimburse the County for any cost in excess of the cash bond prior to further disturbance of the road. Should the need for County repairs to a road opening occur after normal working hours, minimum charges per the Fee Schedule will be in effect.

In the event the County finds it necessary to file a claim against the applicant's Surety, said claim must also be satisfied prior to the further disturbance of the County road by the applicant.

**FEE SCHEDULE**

**APPLICATION FEE (non-refundable)**

**ROAD OPENING**

- 1. Minimum Fee.....\$30.00
- 2. Each Lineal Foot of Opening, including tunneling, cleaning, and lining .....0.75

**REFUNDABLE PERFORMANCE GUARANTEE**

**ALL ROAD OPENINGS**

- 1. Fee for first 30 square yards opened or any part thereof .....\$1,200.00  
including shoulders, lawn, or parking areas
- 2. Fee for each additional square yard opened.....30.00
- 3. Fee for disturbance of County facilities other than those mentioned above, as determined  
by the County Director of Public Works.

**MINIMUM CHARGE**  
**Repairs by County of Somerset**

Minimum Charge.....\$1,200.00

### TECHNICAL PROVISIONS

1. Paved roadway surfaces shall be cut vertically to the full depth of the existing pavement with a sharp tool on a straight line before excavating. The surfaces shall be cut in such a manner that lifting of pavement adjacent to the trench will not occur during excavating. Any concrete encountered shall be saw cut and all bars cut flush with the edges of the concrete. Roadway surfaces beyond the limits of the trench cuts shall not be disturbed. All trench excavation must be in accordance with O.S.H.A.

For all trenches greater than 6 foot in width, the minimum final restoration process will be as follows: A 2" depth milling and paving the entire width of existing roadway or at the discretion of the County Director of Public Works. Backfill material shall meet the requirements of Soil Aggregate Type I-3 or Dense Graded Aggregate Base Course or approved equivalent. Backfill materials shall be deposited in layers and compacted in such a manner and by such methods as to achieve 95 percent standard proctor density throughout the entire backfill. At no time shall the thickness of each layer exceed twelve (12) inches. The material excavated from the trench opening shall not be used as backfill unless specifically permitted by the County Director of Public Works or his authorized representatives.

The trench opening shall be backfilled and paved prescribed herein by the end of the working day. Exceptions to this provision will not be permitted except in the following instances:

- a. The applicant submits detailed plans with the application for a permit showing how the trench and surrounding area will be protected for approval by the County Director of Public Works or his authorized representatives.
- b. When a trench must be excavated and left open due to an emergency. The trench and surrounding area is to be protected so as to allow for the safe passage of vehicular and pedestrian traffic. The County Director of Public Works must be notified as soon as possible so that a determination as to the need for additional safety measures can be made.

Prior to paving, the applicant shall be responsible for the adjusting or for arranging for the adjustment of all facilities such as manholes, inlets, utility boxes, etc. so that they will conform to the cross slope of the restored surface of the roadway.

Compaction of pavements and stone shoulders shall be by use of rollers having a minimum weight of ten (10) tons or the equivalent thereof.

The County Director of Public Works or his authorized representative may require that any portion of a trench be re-excavated and restored in accordance with provisions contained herein until the expiration of the period of maintenance.

2. For openings in pavements where concrete pavements do not exist the trench backfill shall be compacted to a level three (3) inches below the level of the adjacent paved surface. All adjacent paved surfaces of the trench shall be tack coated. A three (3) inch compacted thickness of Bituminous Stabilized Base Course shall then be constructed. After a minimum of six (6)

months, or at the discretion of the County Director of Public Works, a saw shall be used to cut the pavement to its full depth in neat straight lines a minimum of six (6) inches beyond the perimeter of the existing trench, unless limits of excavation fall within two (2) feet of existing edge of pavement, then restoration shall extend to edge of pavement. The trench shall then be excavated to a depth of eight (8) inches and all adjacent surfaces of said trench shall be tack coated. A six (6) inch (two lifts) compacted thickness of Bituminous Stabilized Base Course two (2) inch compacted thickness of surface paving material as specified by the County Director of Public Works shall then be constructed level with adjacent paved surfaces.

3. For openings in concrete pavements or in concrete pavements overlaid with bituminous concrete, the trench backfill shall be compacted to a level three (3) inches below the level of the adjacent paved surfaces. All adjacent surfaces of the trench shall be tack coated. A three (3) inch compacted depth of Bituminous Stabilized Base Course shall be constructed. After a minimum of six (6) months, or at the discretion of the County Director of Public Works, a saw shall be used to cut the bituminous pavement in neat straight lines a minimum of six (6) inches beyond the perimeter of the existing trench. In the case of a concrete road that has not been overlaid, recutting the concrete will not be required if the original cut is satisfactory and remains undamaged during the course of the work. The trench shall then be excavated to a depth of nine (9) inches and all adjacent surfaces of said trench shall be tack coated. A seven (7) inch (two lifts) compacted thickness of Bituminous Stabilized Base Course and a two (2) inch compacted thickness of surface paving material as specified by the County Director of Public Works shall then be constructed level with the adjacent paved surfaces.

4. Where openings are made in unpaved shoulder areas, the trench backfill shall be compacted to a level six (6) inches below the top of the adjacent shoulder surfaces. A six (6) inch compacted depth of Dense Graded Aggregate Base Course shall then be constructed. After a minimum of six months the shoulder area shall again be compacted and redressed with a compacted layer of Dense Graded Aggregate Base Course.

Where existing or proposed manholes are located in disturbed shoulder areas, a minimum of two (2) inches of Pavement Type I-5 shall be placed eight (8) feet on both sides of the manhole casting on six (6) inches of Dense Graded Aggregate Base Course. The width of the pavement shall vary to the dimensions of the existing shoulder.

5. All openings beyond the shoulder areas shall be brought to grade with compacted backfill. After a minimum of six months a minimum thickness of four (4) inches of topsoil shall be constructed in the trench area and seeded, fertilized, and mulched or sodded. Should a proper growth not be achieved, the area shall be refertilized, reseeded and remulched or resodded as necessary.
6. Tunneling may be permitted along or crossing County road. All voids created by tunneling shall be filled with concrete by an approved method.
7. Repair of County facilities other than pavements, shoulders, or lawn areas, which are disturbed as a result of work performed under the permit, shall be required by the County Director of Public Works or his authorized representative. When work is to be completed on a County Roadway or intersection that impacts the existing signing, striping, raised pavement markers or traffic signal system, it is the applicant's responsibility to contact the Somerset County Traffic Safety Division for mark out of existing facility in the roadway. Any damage to these facilities

must be repaired to the satisfaction of the Somerset County Director of Public Works or his authorized representative. In the event that the one or both of the centerline markings of the roadway are disturbed or damaged, both centerline markings shall be replaced. All restoration required by this section shall be done in conformance to the current County standards. Any excavations or openings within the County Right-of-Way must be restored to as good or better condition as existed prior to the commencement of work.

8. In accordance with the general provisions, section 3, in the event of an emergency or hardship, the roadway shall be restored in accordance with the Technical Provisions herein and including a full curb to curb 2" depth milling and overlay at a minimum of 100 feet beyond the opening, or by using the infrared pavement restoration process, or as specified by the County Director of Public Works.

APPENDIXTRENCH WIDTH CHART

CHART FOR TRENCH WIDTHS (IN  
FEET) TO BE USED  
TO COMPUTE DEPOSIT FEES

<u>Depth (In Feet)</u>	<u>4" Pipe</u>	<u>8" Pipe</u>	<u>10" Pipe</u>	<u>16" Pipe</u>	<u>24" Pipe</u>	<u>36" Pipe</u>	<u>48" Pipe</u>	<u>60" Pipe</u>
0-6	4.0	4.0	4.5	5.0	6.0	7.5	9.0	10.5
6-8	4.0	4.5	5.0	5.5	6.5	8.0	9.5	11.0
8-10	4.5	5.0	5.5	6.0	7.0	8.5	10.0	11.5
10-12	5.0	5.5	5.5	6.0	7.0	8.5	10.0	12.00
12-14	5.5	6.0	6.0	6.5	7.5	9.0	10.5	12.00
14-18	6.0	6.5	7.0	7.5	8.5	10.0	11.5	12.5
18-20	6.5	7.0	7.5	8.0	9.0	10.5	12.0	13.0
20-22	7.0	7.5	8.0	8.5	9.5	11.0	12.5	13.5

# ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE  
03/10/2004

PRODUCER  
**ABC Insurance Company.**

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

### INSURERS AFFORDING COVERAGE

INSURED:  
**Jane Doe Contracting**

INSURER A:  
INSURER B:  
INSURER C:  
INSURER D:  
INSURER E:  
**\*Sample Copy**

### COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSTR. NO.	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY		3/31/2004	3/31/2005	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any one fire) \$ 1,000,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person) \$ 5,000
	<input checked="" type="checkbox"/> C.V.				PERSONAL & ADV INJURY \$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PERL				GENERAL AGGREGATE \$ 2,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC				PRODUCTS-COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY		3/31/2004	3/31/2005	COMBINED SINGLE LIMIT (EA accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per Person) \$
	<input type="checkbox"/> ALLOWED AUTOS				BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS				
<input checked="" type="checkbox"/> NON-OWNED AUTOS					
GARAGE LIABILITY	<input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$
					OTHER THAN AUTO-ONLY: EA ACC \$
					AGG \$
B	EXPRESS LIABILITY		3/31/2004	3/31/2005	EACH OCCURRENCE \$ 2,000,000
	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE:				AGGREGATE \$ 2,000,000
	<input type="checkbox"/> DEDUCTIBLE				
<input type="checkbox"/> RETENTION \$					
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		3/31/2004	3/31/2005	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER \$
					E.L. EACH ACCIDENT \$ 1,000,000
					E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
					E.L. DISEASE - POLICY LIMIT \$ 1,000,000
OTHER					

### DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

Referenced Project:

Somerset County, its officers, agents and employees are named as Additional Insureds with respect to referenced project only.

CERTIFICATE HOLDER  ADDITIONAL INSURED; INSURER LETTER:

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE INSURER ASSUMES THE OBLIGATION TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

County of Somerset  
10 Grove Street  
Somerville, NJ 08876

AUTHORIZED REPRESENTATIVE

**BOARD OF CHOSEN FREEHOLDERS OF SOMERSET COUNTY, NEW JERSEY  
SOMERSET COUNTY ENGINEERING DEPARTMENT  
P.O. BOX 3000, SOMERVILLE, NJ 08976  
APPLICATION FOR ROAD OPENING PERMIT  
WORK MAY NOT COMMENCE UNTIL PERMIT IS ISSUED**

Date \_\_\_\_\_

Applicant: \_\_\_\_\_  
Name Address

Phone Numbers: \_\_\_\_\_  
Applicant Owner 24 Hour Emergency

Supervisor in Charge: \_\_\_\_\_ On-Site Phone/Cell Number: \_\_\_\_\_

Improvements Bonded Through County Planning Board Somerset County Planning Board File Number \_\_\_\_\_

Purpose of Opening: \_\_\_\_\_

Requirements:

- Approval letter from the Somerset County Planning Board dated within 2 years of the date of this application
- One copy of the construction plan showing proposed improvements. The plan must be stamped "Accepted as Submitted" by the County Engineer's Office with the stamped date within 2 years of the date of this application
- Insurance Certificate prepared in accordance with "Somerset County Road Opening Specification Booklet"
- \$30.00 Application Fee

Utility/Driveway/Other : (Note: Separate Permit Required for Each Opening)

Purpose of Opening: \_\_\_\_\_

Requirements:

- Application Fee: \$30 + 5.75 per L.F. of opening including tunneling, cleaning, & lining.
- Refundable Deposit/Bond: \$1200 for the first 30 sq. yds. plus \$30 for each additional sq. yd.
- Insurance Certificate prepared in accordance "Somerset County Road Opening Specification Booklet"
- Plan/Sketch of work to be done including nearest cross Road
- Sanitary Sewer Openings must include approval letter from the local municipality

All checks/money orders made payable to "Somerset County Treasurer"  
All of the Above Requirements must be submitted at time of Application

Opening Location:

Street Name & House Number: \_\_\_\_\_ County Route Number: \_\_\_\_\_ Municipality: \_\_\_\_\_

At a point \_\_\_\_\_ N/S/E/W of \_\_\_\_\_  
Distance "feet" Nearest Intersecting Roadway

Size of opening \_\_\_\_\_ Location: Roadway/Shoulder/R.O.W. Proposed Start Date for opening \_\_\_\_\_  
Length/Width/Depth (Circle One or More)

Temporary repair to be completed the same day of opening. Steel plates or other methods of maintaining a road opening overnight shall NOT be permitted unless previously authorized by the Director of Public Works or his duly authorized representative.

Approximate date of applying final patch will be six months after applying temporary repair.

The undersigned agree to conform with all the requirements of the specifications and fee schedule adopted by the Board of Chosen Freeholders of Somerset County, the text of which has been read by the applicant.

\_\_\_\_\_  
Signature of Applicant

Approved: \_\_\_\_\_  
Director of Public Works or Authorized Representative

\_\_\_\_\_  
Signature of Owner

Somerset County Permit No. \_\_\_\_\_

The owner agrees as a condition of the issuance of a permit that any facilities, pipes, poles etc. to be installed within the County right-of-way pursuant to the permit shall be promptly relocated at the owner's expense as required by the Somerset County Engineering Department to accommodate the installation of County facilities.

**PERMIT EXPIRATION DATE ONE YEAR AFTER ISSUANCE:**

**COUNTY OF SOMERSET**  
**Specifications-**  
**Infrared Pavement Restoration**

**Compaction and Settlement Time of Original Repair**

The contractor opens up the road, performs the repair on the service and then backfills and compacts the hole according to the Specifications. The fill should be placed to a grade 8" below the road surface. The contractor must be sure to properly compact the fill material.

The inside edge of the existing pavement must be swept clean of dirt and tack coated. The opening is then filled to grade with 8" of Bituminous Stabilized Base Course, again being sure to properly compact the asphalt.

The repair shall then be left for a period of 6 months or at the discretion of the County Director of Public Works to allow weather, traffic and time to thoroughly compact the repair. The time allowed for settlement will depend on the size of the cut and the traffic characteristics of the road. Any settlement during the 6 month period shall be immediately attended to. In the event of settlement resulting in an unsafe condition, the contractor will re-excavate the entire trench and repeat the process.

**Methods of Construction**

**General:** Before the Infrared Restoration is begun, the Contractor will have marked the areas to be repaired and notified the County Director of Public Works for County inspection and approval.

**Safety:** Proper safety precautions shall be taken including traffic cones, signage, and flagmen (if necessary) to insure a safe workplace for workers, pedestrians and automobile traffic pursuant to the Manual of Uniform Traffic Control.

**Defining and Preparing the Work Area:**

1. The area shall be swept clean of dirt, loose aggregate, or standing water.
2. A chalk line shall be drawn 6-12 inches back from of the seam of the original opening to use as a guide when raking.

**COUNTY OF SOMERSET**  
**Specifications-**  
**Infrared Pavement Restoration**

**Heating the Repair Area:**

1. The infrared chamber is lowered over the repair being sure to allow at least 12-18 inches of heated area beyond the perimeter of the original opening.
2. To insure the proper heating time, the contractor shall check the surface temperature of the asphalt at seven minutes and every minute thereafter using an infrared thermometer so as not to allow the surface temperature to exceed 350 degrees Fahrenheit. The heating time is influenced by the ambient temperature, the color of the pavement, the size of the aggregate, and the moisture content.
3. After the appropriate heating time (typically 8-10 minutes), the asphalt surface will be softened to a depth of 2-2.5 inches.
4. The infrared chamber is then removed from the heated area.

**Raking the Heated Area:**

1. The backside of a steel rake is used to neatly square off the repair, cutting 6-12 inches back from the original excavation along the chalk line.
2. The area inside the repair is then deeply scarified, taking special care to eliminate the original seam between the repair and the road.
3. Approximately 1/2"-1" of existing 3/4" stones are raked out and removed from the patch.
4. The maltenes rejuvenator shall be applied to the repair and the surrounding heated asphalt surface.

**Adding Plant Mix Asphalt:**

1. Pavement Type 1-5 (1/4-3/8 aggregate) is then added to the area to bring it up to proper grade.
2. The repair is luted smooth.

**Compaction:**

1. The area is properly compacted being sure to roll the edges first to fuse the hot repair to the heated but untouched surrounding pavement.
2. A light coating of stone dust can then be spread over the repair to remove the tackiness. The road can then be opened to traffic.

**Note:** The total time for a typical single heat restoration should be no more than 20-25 minutes. This timeframe shall be strictly adhered to so as to insure that both the heated pavement and added asphalt have not been allowed to cool significantly. This guarantees the proper fusion between the repair and the existing road surface.

## ACCESS REQUIREMENTS

Every effort is to be made to minimize the number of access points to the County Road. This includes utilizing secondary or local roads for access on corner lots, creating cross-access easements, common driveways and other Planning techniques to minimize access points on the County Road system. The planning phase of a development is to include careful consideration to the issue of access points for the subject property and for adjoining properties to encourage the use of shared access. All new access points to a County Road are subject to review and acceptance by Somerset County. New access points shall be located to maximize sight distance. The criteria presented in the County's *Traffic, Road and Bridge Handbook* shall be utilized to determine the line of sight from the access point.

The following factors must be considered when determining the location of new access points to the County Road

- Sight distance-refer to the County's *Traffic, Road and Bridge Handbook*
- Location of existing access points in close proximity to the proposed access point
- Anticipated location of future access points
- Horizontal alignment and vertical profile of the County Road and the proposed access drive / roadway
- Proposed use and site layout for the property to be serviced by the proposed access point

### A. Driveway Design Standards

Driveways shall be designed to:

- Safely accommodate the number and types of vehicles expected to use the facility.
- To consider the nature of traffic on the adjacent street and the design of street improvements.
- To provide adequate sight distance.
- To be compatible with the nature of improvements, including driveways, on nearby properties.

B. Number of driveways to and from street. Access shall be provided by the minimum number of driveways necessary, considering the characteristics of the adjacent street traffic and street improvements, anticipated traffic volumes using the site driveway(s), the need for emergency access, site visibility and other factors related to traffic safety. There shall be no more than one driveway on any site providing access to and from a Borough arterial roadway, unless determined by the Board that additional driveways are necessary for traffic safety and convenience.

C. Driveway location. Access driveways shall be located as indicated below. Distances shall be measured to the edge of pavement of the driveway, exclusive of curb returns, flaring or other widening of the driveway within the street right-of-way.

No driveway shall be located in a rotary, ramp, interchange or point of tangency of an existing or proposed curb return for any street intersection.

No driveway shall be located within 50 feet of the point of beginning of any rotary, ramp, interchange, point of tangency of an existing or proposed curb radius for any street intersection.

No driveway shall be located within 25 feet of a pedestrian crosswalk.

No driveway shall be located within 15 feet of any side lot line.

No driveway shall be located within 15 feet of any property line.

Where access for any site is provided by more than one driveway from the same County Road, the driveways shall be located at least 200 feet apart measured along the edge of traveled way.

Where access for any site is provided by more than one driveway from the same street other than an arterial street, the driveways shall be located at least 100 feet apart.

D. Driveway Width. The width of driveways shall be designed to adequately accommodate the volume and character of vehicles anticipated, and shall not be more or less than necessary. The width shall be measured between the pavement edges of the driveway, perpendicular to the direction of travel, exclusive of curb returns, flaring or other widening of the driveway within the street right-of-way. The following provisions shall apply:

- (1) One-way driveways shall not be less than 10 feet in width, nor more than 15 feet in width, if only one travel lane is proposed. If two lanes are proposed, driveways shall not be less than 20 feet in width, nor more than 25 feet in width.
- (2) Two-way driveways shall not be less than 20 feet in width, nor more than 30 feet in width, if only two travel lanes are proposed.

- (3) Driveways serving low traffic volumes and which are intended for use primarily by passenger vehicles and light trucks shall be designed using minimum widths.
- (4) Driveways serving high traffic volumes and/or which are intended for use by single-unit trucks, buses, trailer trucks and similar larger vehicles shall be designed using moderate to maximum widths, as appropriate.
- E. Angle of driveway with street. Driveways shall intersect the street at a 90-degree angle when practicable and in no event at less than a 70-degree angle.
- F. Profile of Driveway Driveways shall have a profile grade no steeper than 5% within the portion of the driveway located in the County right-of-way.
- H. Common access driveways. In appropriate circumstances, common access driveways may be permitted or shall be required by the County Engineer. Appropriate circumstances shall include instances when such driveways may: 1) serve common parking areas, 2) reduce the number of access driveways that would otherwise be necessary, 3) improve the location of access driveways from what would otherwise be possible, or 4) otherwise provide for improved traffic safety and convenience. In the event that construction of a common access driveway is desirable but not feasible at the time a development application is made, the County Engineer may condition the issuance of a road opening permit upon the construction of such driveway in the future, and may require the creation of reasonable and necessary access easements to implement such common access driveway.

## SOMERSET COUNTY DEPARTMENT OF PUBLIC WORKS

### *Policy for Driveway Pipes and Bituminous Aprons along County Roads*

The County will no longer install driveway pipes or bituminous aprons for new driveway cuts along County roads. Public Works Divisions should amend current practices as necessary. The County will however continue to be responsible for the maintenance and replacement of existing driveway pipes. Consistent with current policy, the County is not responsible for the maintenance or replacement of bituminous aprons.

Individuals proposing new driveways along County roads are to be directed to obtain a Road Opening Permit from the County Engineering Division. The specifications for new driveway pipes and aprons along County roads are as follows:

#### Driveway Pipes

1. Use new Class IV reinforced concrete pipe.
2. The length of pipe installed shall be a minimum of 32 feet.
3. The pipe shall be a minimum of 12 inches in diameter.
4. The existing ditch along the County road must be cleaned across the frontage of the property or as needed to maintain proper ditch flow.

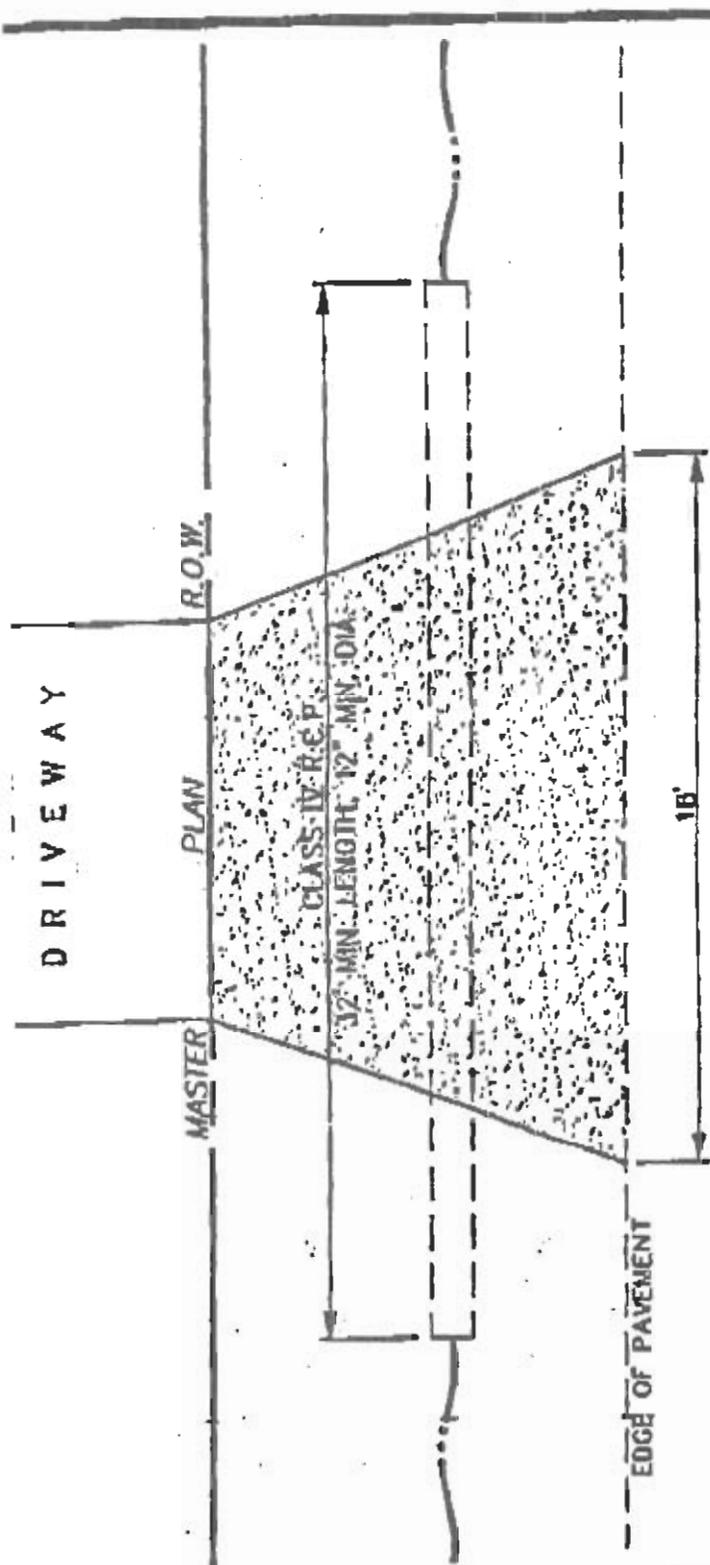
(Note: In cases where there is insufficient cover over the pipe, the Office of the County Engineer may consider a waiver for items 1 & 3. However, the only acceptable alternative is galvanized pipe with a diameter of no less than 10 inches.)

#### Driveway Aprons

1. Driveway aprons shall be constructed of 3 inches of stabilized base course and 1-1/2 inches of FA-BC. The bituminous apron shall extend a minimum of 10 feet from the edge of the County road.
2. New driveways are to be located so as to provide sufficient sight distance. All sight obstructions along the property frontage or within the County right-of-way are to be cleared.
3. Driveway aprons are to be constructed so as not to impede flow along the County road.

County personnel are authorized to require contractors working in the County right-of-way to show the issued Road Opening Permit. If a permit has not been issued, the contractor is to be advised to cease work within the right-of-way and obtain a Road Opening Permit. The County Engineering Division is to be notified of any unauthorized driveway construction.

PC13A



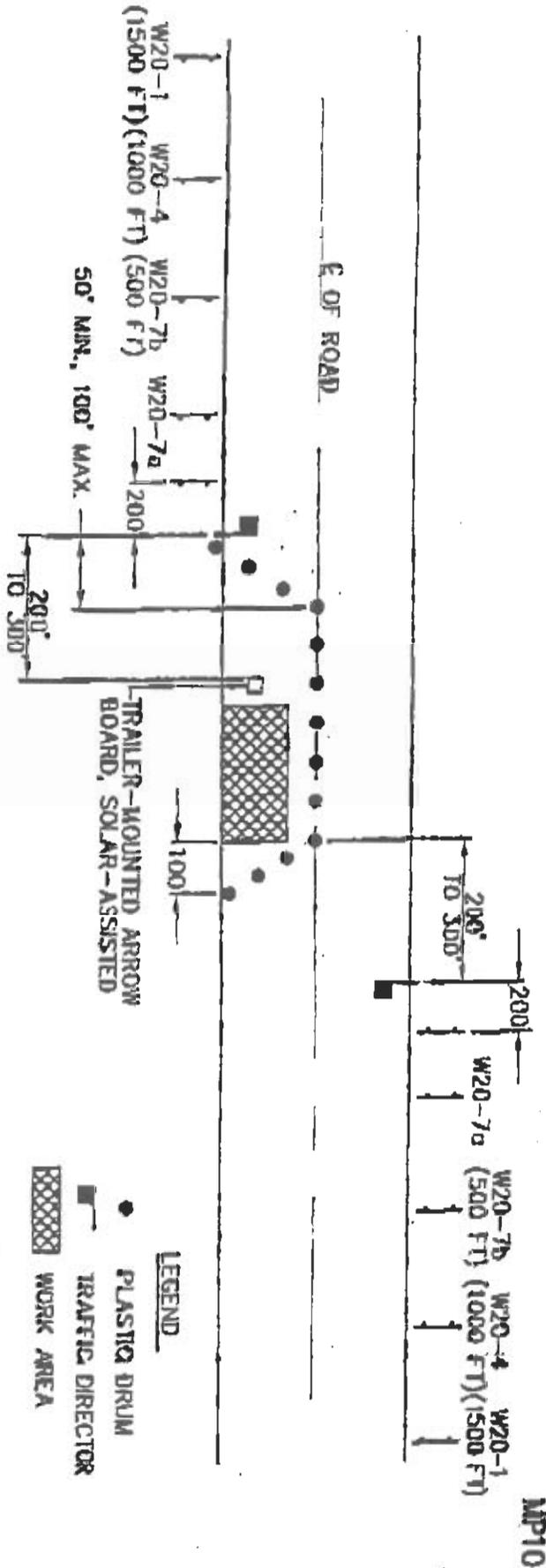
**COUNTY ROAD**

**NOTES**

1. THE PAVED DRIVEWAY APRON (SHADED AREA ABOVE) SHALL BE COMPOSED OF BITUMINOUS CONCRETE SURFACE COURSE, 1 1/2" THICK, AND BITUMINOUS STABILIZED BASE COURSE, 3" THICK. THE APRON SHALL BE A MINIMUM OF 10' FROM THE EDGE OF THE PAVEMENT, OR TO THE MASTER PLAN R.O.W.
2. A ROAD-OPENING PERMIT IS REQUIRED BEFORE CONSTRUCTION COMMENCES IN THE COUNTY R.O.W.
3. THE COMPLETED DRIVEWAY MUST NOT IMPEDE THE FLOW OF STORMWATER ALONG THE COUNTY ROAD. IF NECESSARY, A PIPE IS TO BE INSTALLED AS ILLUSTRATED ABOVE. IF A PIPE IS NOT NECESSARY, THE APRON SHALL BE CONSTRUCTED TO CONVEY FLOWS OVER IT.
4. ALL NEW DRIVEWAY OPENINGS MUST MEET COUNTY STANDARDS FOR SIGHT DISTANCE TRIANGLE.

DRIVEWAY APRON

N.T.S.



**NOTES**

1. ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, WHENEVER THE SIGNS IN THIS FIGURE ARE IDENTIFIED.
2. FLASHING WARNING LIGHTS ARE *NOT* TO BE MOUNTED ON ANY SIGNS.
3. FOR DAYTIME OPERATIONS OF A SHORT DURATION, AND ON ROADS THAT ARE NOT MAJOR ARTERIES, THE W20-1 (AHEAD), W20-7a AND W20-7b SIGNS WILL SUFFICE FOR EACH APPROACH. THE TRAFFIC DIRECTOR AND ALL OTHER DEVICES REMAIN THE SAME.
4. DRUMS ARE TO BE PLACED AT 30' INTERVALS THROUGHOUT THE WORK ZONE.
5. TRAFFIC DIRECTORS SHALL USE STOP/SLOW PADDLES (R1-1) AND, WHERE SIGHT IS OBSTRUCTED, WALKIE-TALKIES.

**TYPICAL ONE-LANE-CLOSURE OPERATION**

N.T.S.

