

Regulations for Access Driveways to State Highways



**ARKANSAS STATE HIGHWAY COMMISSION
1990**

**REGULATIONS
FOR
ACCESS DRIVEWAYS
TO
STATE HIGHWAYS**

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COMMISSION 1990**

REGULATIONS FOR ACCESS DRIVEWAYS
TO STATE HIGHWAYS

First Edition.....	1957
Second Edition.....	1962
Third Edition.....	1973
Fourth Edition.....	1976
Fifth Edition.....	1982
Sixth Edition.....	1990

Prepared by
Arkansas State Highway and Transportation Department

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**INSTRUCTIONS FOR SECURING AN
ACCESS DRIVEWAY PERMIT**

1. A request for a permit to construct any driveway or to reconstruct any existing driveway shall be made to the District Engineer. The addresses of the District Offices are shown on the next page.
2. A brief description of the proposed work shall be included in the request together with the location of the work. The name, address and telephone number of the owner shall also be included.
3. Upon receipt of this request, the District Engineer will arrange for a meeting of the applicant with a representative from the District Office, at which time details of the proposed work will be discussed and the official access driveway permit forms prepared for processing.
4. The access driveway permit form along with any necessary drawings and deposit or bond, if required, shall be submitted to the District Engineer for approval.
5. Following approval of the permit, copies will be forwarded to the Applicant, the Area Foreman and the Fiscal Services Division.
6. **NO WORK SHALL BE UNDERTAKEN ON STATE HIGHWAY RIGHT-OF-WAY UNTIL THE PERMIT HAS BEEN APPROVED.**

ARKANSAS STATE HIGHWAY COMMISSION

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This publication, REGULATIONS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS, is covered by State Highway Commission Minute Order No. 387 of February 25, 1954, and subsequent Commission Minute Orders No. 4161 of June 28, 1961; No. 4964 of February 20, 1963; No. 73-673 of September 26, 1973; No. 76-6 of January 29, 1976; No. 82-273 of August 25, 1982 and No. 89-101 of March 22, 1989 to govern the uniform design and construction of driveways that will allow adequate, safe and reasonable access to the roads and streets on the State Highway System with a minimum of interference and hazard to highway traffic.

These regulations have been prepared along the guidelines set forth in the American Association of State Highway and Transportation Officials booklet entitled, "GUIDE FOR PREPARING PRIVATE DRIVEWAY REGULATIONS FOR MAJOR HIGHWAYS".

Arkansas State Highway Commission

Maurice Smith
Maurice Smith
Director of Highways and
Transportation

FOREWORD

Pursuant to Ark. Code Ann. § 27-65-107 the Arkansas State Highway Commission is authorized to adopt reasonable regulations for the protection of, and covering, traffic on and in the use of the State Highway System and in controlling use of and access to the highways, such regulations to have the force and effect of law. The regulations adopted by the Commission allow reasonable access to the highway from abutting property. This manual of regulations governs such reasonable access to all highways, roads and streets under the jurisdiction of the State Highway and Transportation Department (hereinafter designated as Department) except those controlled access facilities to which direct access is denied.

It is the intent of these regulations to: provide design standards whereby orderly and safe movements of traffic in and out of private properties may be made in ways which will constitute a minimum of interference and hazard to highway traffic, and to; control the use of drainage structures and/or other appurtenances necessary to preserve the physical structure of the highway.

If a highway construction or reconstruction project is undertaken which requires the replacement or adjustment of existing access to abutting property, the access facility will be constructed or reconstructed by the Department in accordance with these regulations and with a quality of material equal to or better than the original driveway. The cost of the work will be chargeable to the project.

If a need for access, where none formerly existed, develops subsequent to the initiation of construction or reconstruction work on a highway, the abutting property owner or lessee must follow the procedure outlined in this manual. The cost of the work will be borne by the grantee.

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

DISTRICT OFFICES

DISTRICT ONE WYNNE	District Engineer U. S. 64 West P. O. Box 278 Wynne, Arkansas 72396	238-8144
DISTRICT TWO PINE BLUFF	District Engineer Highway 65 South P. O. Box 6836 Pine Bluff, Arkansas 71611	534-1612
DISTRICT THREE HOPE	District Engineer Highway 29 & I-30 P. O. Box 490 Hope, Arkansas 71801	777-3457
DISTRICT FOUR FORT SMITH	District Engineer 4019 Towson Avenue P. O. Box 1424 Fort Smith, Arkansas 72901	646-5501
DISTRICT FIVE BATESVILLE	District Engineer Highway 167 South P. O. Box 2376 Batesville, Arkansas 72501	251-2374
DISTRICT SIX LITTLE ROCK	District Six 8900 Mabelvale Pike P. O. Box 9358 Industrial Station Little Rock, Arkansas 72219	569-2266
DISTRICT SEVEN CAMDEN	District Engineer U. S. Highway 79 South P. O. Box 897 Camden, Arkansas 71701	836-6401
DISTRICT EIGHT RUSSELLVILLE	District Eight Highway 7 North & I-40 P. O. Box 70 Russellville, Arkansas 72801	968-2286
DISTRICT NINE HARRISON	District Engineer Highway 65 South P. O. Box 610 Harrison, Arkansas 72601	743-2100
DISTRICT TEN PARAGOULD	District Engineer Highway 412 West P. O. Box 98 Paragould, Arkansas 72451	239-9511

DEFINITIONS

When in these regulations the following terms, abbreviations, or pronouns in place of them, are used, the intent and meaning shall be interpreted as follows:

Applicant - The owner or lessee. The person who has the legal right to possession and control of the property adjoining the right-of-way and is in the process of securing an Access Driveway Permit from the Department.

Commission - The Arkansas State Highway Commission.

Department - The Arkansas State Highway and Transportation Department.

Deposit or Bond - Security Deposit or Surety Bond. An approved form of security guaranteeing the completion of the provisions of the permit and compliance with the Regulations for Access Driveways to State Highways.

Engineer - District Engineer. A Professional Engineer who is responsible for engineering supervision of the District and who is acting as the duly authorized representative of the Chief Engineer.

Frontage - Frontage is that portion of the grantee's property lying between the two most distant possible lines drawn perpendicular from the centerline of the highway to the grantee's abutting property.

Safety Zone - All parts of the highway right-of-way between the curb or shoulder line and the right-of-way line along the grantee's property frontage, except the areas contained in the access driveway, shall be a Safety Zone.

Grantee - The owner or lessee. The person who is responsible for compliance with the permit provisions.

MUTCD - The Manual on Uniform Traffic Control Devices for Streets and Highways.

Permit - Access Driveway Permit. A duly executed agreement granting permission to construct or modify access driveway(s) pursuant to the Regulation for Access Driveways to State Highways.

REQUIREMENTS FOR COMMERCIAL DRIVEWAYS

GENERAL

A commercial driveway is defined as an entrance to and/or exit from, any commercial business, subdivision or public establishment adjoining a State Highway.

A permit shall be obtained from the Department for all access driveways on State Highways. Within incorporated cities it will be necessary for the applicant to satisfy the requirements of the city and to obtain a permit from the Department.

NO WORK SHALL BE UNDERTAKEN ON STATE HIGHWAY RIGHT-OF-WAY PRIOR TO APPROVAL OF THE PERMIT BY THE ENGINEER.

The grantee shall fully protect the traffic on the highway during construction covered hereunder by proper traffic control devices in accordance with the Manual on Uniform Traffic Control Devices, and to hold harmless the State Highway Commission, the Department, and its duly appointed agents, officers and employees, from all damages, expenses, claims or liability arising out of any alleged damages of any nature to any person or property due to the construction, performance or non-performance of work or existence of a driveway.

The grantee shall not erect any sign, flag or other identifying marker, for the purpose of attracting attention to the site, either fixed or moveable, on or extending over any portion of the highway right-of-way. Anyone erecting such sign, flag or identifying marker is in violation of Ark. Code Ann. § 27-67-304.

The grantee shall maintain all existing highway, street and county road regulatory, warning, guide and informational signs in an effective location at all times for the duration of the work and shall install them at the correct location upon completion of the work. Any signs damaged by the grantee shall be replaced at no cost to the state.

APPLICATIONS for permits shall be made by the owner or lessee, who shall represent all parties' interests. Such permits shall be only for the bona fide purpose of constructing or modifying access to the property and not for the purpose of parking, servicing or loading and unloading vehicles on the State Highway right-of-way.

PERMITS for initial construction or for modification of commercial driveways shall have a deposit or bond in the amount of 5% of the estimated project cost, or a minimum of \$500 per driveway. **THE DEPOSIT OR BOND SHALL BE PREPARED IN THE SAME NAME AS THE PERMIT.** Bond may be waived on permits

for governmental entities. The deposit or bond will be refunded upon satisfactory completion of the work covered by the permit.

Commercial driveway permits will have an expiration date of 1 year from the date of issue.

If no work has begun at the expiration date, the permit will be revoked and the deposit returned.

At the expiration date, if the work has not been completed in accordance with the permit, the grantee will be notified by certified mail, with an explanation of non-compliance. If the driveway does not comply in 30 days, the permit will be revoked, the deposit or bond forfeited, and the driveway removed.

The grantee may elect to request a new permit prior to removal of the driveway. If this request is granted, the original permit will be revoked and a new permit issued with a minimum of twice the original deposit or bond.

The Engineer may grant written extensions up to 6 months to those in non-compliance for a reasonable period as he deems necessary, based on the showing of good cause by the grantee, but for no longer than 6 months.

DESIGN

a. GENERAL

All parts of access driveways on highway right-of-way shall be confined within the grantee's property frontage.

No changes to controlled access facilities will be considered except by written authorization of the Departments' Chief Engineer.

All parts of any access driveway, including the radii, shall be a minimum of 10' inside the adjoining property frontage in rural locations and shall be a minimum of 5' in urban locations, except as provided in paragraph "h".

On all paved highways, commercial drives shall be surfaced from the normal edge of pavement to a minimum distance of 20' or to the right-of-way line, whichever is less, with concrete or asphalt surfacing. On non-surfaced roadways, the drives will not be required to be surfaced.

b. LOCATION

Access driveways shall be located to provide adequate sight distances and safety for highway users. If adequate sight distances cannot be provided, some movements at the driveway may be prohibited or access denied.

Frontages of 50' or less shall be limited to one driveway. Normally, no more than two driveways shall be allowed for any single property tract or business establishment. An exception may be made when the frontage approaches 600 feet, if approved by the Engineer.

c. INTERSECTIONS

At any intersection of a State Highway with another highway, road or street, access driveways shall be prohibited for a sufficient distance from the intersection to preserve the normal and safe movement of traffic through it, and the distance shall be not less than the intersecting street return radius.

d. GEOMETRICS

Radii for all commercial access driveways in urban areas shall be not less than 5' and in rural areas the radii shall be not less than 10', except as provided in paragraph "h".

The width of access driveways shall not exceed 40' measured at right angles to the centerline of the driveway, except as increased by permissible radii or as provided in paragraph "h". The minimum width shall be 15' on a one-way driveway and shall be 24' on a two-way driveway.

The angle of access driveways from the pavement shall generally be 60° to 90°.

The distance from the right-of-way line to the near edge of service pumps, vendor stands, tanks or water hydrants shall be a minimum of 15 feet. To permit free movement of large vehicles and, in certain instances, to insure that they be entirely off highway right-of-way while being serviced, a greater distance is recommended.

e. DRAINAGE

Drainage in highway side ditches shall not be altered or impeded. When drainage structures are required, the size of the opening, the length and the other design features shall be approved by the Engineer, and in all cases the structure shall be no smaller than an 18" diameter or equivalent pipe culvert. Pipe culvert shall be corrugated metal, reinforced concrete pipe or other Department approved pipe, a minimum of 24' in length and shall have no hazardous headwalls or other

For large traffic generators such as shopping centers, where the development would have an adverse effect on the existing flow of traffic onto the highway, the grantee may be required to install additional turn lanes and/or channelization as determined by the Engineer.

CONSTRUCTION

The grantee shall furnish and install all materials, including fill material, surfacing and drainage structures. All materials used must comply with the requirements contained in this manual and/or specified by the Engineer. The grantee shall do all work in connection with the construction of access driveways and their appurtenances on the right-of-way. However, the Department may assist by establishing flowline grades for drainage structures and finish grades for driveway surfaces or such other comparable assistance which the Engineer may agree to perform.

MAINTENANCE

The Department will provide routine maintenance shoulder width, or a minimum of 4' adjacent to the edge of pavement, across commercial drives.

Any maintenance or improvement to the surfacing or drainage structure of a commercial driveway will be the responsibility of the grantee. Maintenance such as surfacing or resurfacing of driveways may be allowed without a permit. **ANY DIMENSIONAL CHANGE OR RELOCATION OF THE DRIVEWAY WILL REQUIRE AN APPROVED PERMIT FROM THE DEPARTMENT.** This includes any driveway approach or other improvement constructed on the right-of-way.

The Department reserves the right to inspect driveways at all times and to require such maintenance and repairs as may at any time be considered necessary. If the driveway is not properly maintained by the grantee and becomes a hazard, it will be removed.

hazards constructed upon it. Pipe installation in excess of 100' will require drop inlet or other cleanout provisions. The owner may be required to provide a drainage study. No driveways shall be constructed with swale type ditches for drainage unless there is no other alternative.

f. PROFILE GRADE

The grade on the driveway shall be so constructed as to conform to the slope of the roadway shoulder from the edge of the traveled lane to the edge of the shoulder. Preferably the profile grade of the driveway shall be constructed so that water will not drain onto the traveled surface.

g. SAFETY ZONES

All parts of the highway right-of-way between the curb or shoulder line and the right-of-way line along the grantee's property frontage, except the areas contained in the access driveway, shall be a Safety Zone. Generally, the Safety Zone between driveways should be a minimum of one-third the length of the property frontage, but be not less than 25' in length except as provided in paragraph "h". Curbs shall be installed by the grantee as may be necessary to prohibit vehicle parking and access in Safety Zones. Curbs shall be asphalt or concrete not less than 6" or more than 12" in height. The curb nearest the traveled lanes shall be not less than 22' from the center of the pavement or shall be aligned with existing curbs or shoulder lines. The Engineer may require a greater distance when it is necessary to preserve the safety and utility of the highway or to conform with proposed improvements.

The Safety Zone may be filled in provided the drainage structure underneath the filled in area is adequate to carry the design flow of water in the highway side ditches, and in no case less than the size of the structure required for the driveway.

h. EXCEPTIONS

The Engineer may authorize or require changes in the design, when necessary to preserve the normal and safe movement of traffic or to permit reasonable access. In consideration of type, speed and volume of highway and access driveway traffic, larger radii than the minimum may be required. When physical factors make it impractical to obtain reasonable access within these requirements, appropriate variations may be authorized, provided that in all cases radii are confined to the grantee's property frontage and are not less than 2-1/2', the island between driveways is not less than 10' long, and the driveway widths do not exceed 48 feet.

REQUIREMENTS FOR NON-COMMERCIAL DRIVEWAYS

GENERAL

Non-commercial driveways are defined as driveways adjoining a State Highway to provide entrance to and/or exit from private property for the exclusive use and benefit of the owner or lessee, and driveways for farms or ranches, churches, schools, non-commercial cemeteries and other non-commercial public access.

A permit shall be obtained from the Department for all non-commercial access driveways on State Highways. Within incorporated cities, it will be necessary for the applicant to satisfy the requirements of the city and to obtain a permit from the Department.

NO WORK SHALL BE UNDERTAKEN ON STATE HIGHWAY RIGHT-OF-WAY PRIOR TO APPROVAL OF THE PERMIT BY THE ENGINEER.

The grantee shall fully protect the traffic on the highway during construction covered hereunder by proper traffic control devices in accordance with the Manual on Uniform Traffic Control Devices, and to hold harmless the State Highway Commission, the Department, and its duly appointed agents, officers and employees, from all damages, expenses, claims or liability arising out of any alleged damages of any nature to any person or property due to the construction, performance or non-performance of work or existence of a driveway.

The grantee shall not erect any sign, flag or other identifying marker, for the purpose of attracting attention to the site, either fixed or moveable, on or extending over any portion of the highway right-of-way. Anyone erecting such sign, flag or identifying marker is in violation of Ark. Code Ann. § 27-67-304.

The grantee shall maintain all existing highway, street and county road regulatory, warning, guide and informational signs in an effective location at all times for the duration of the work and shall install them at the correct location upon completion of the work. Any signs damaged by the grantee shall be replaced at no cost to the state.

APPLICATIONS for permits shall be made by the owner or lessee, who shall represent all parties' interests. Such permits shall be only for the bona fide purpose of securing or changing access to the property and not for the purpose of parking, servicing or loading and unloading vehicles on the State Highway right-of-way.

PERMITS for non-commercial driveways will not require a deposit or bond. When requests are made for more than one

non-commercial driveway, a deposit or bond may be required.

Non-commercial driveway permits will have an expiration date of 1 year from the date of issue.

If no work has begun at the expiration date, the permit will be revoked and any deposit returned.

At the expiration date, if the work has not been completed in accordance with the permit, the grantee will be notified by certified mail, with an explanation of non-compliance. If the driveway does not comply in 30 days, the permit will be revoked, the deposit or bond forfeited, and the driveway removed.

The grantee may elect to request a new permit prior to removal of the driveway. If this request is granted, the original permit will be revoked, a deposit or bond required and a new permit issued.

The Engineer may grant written extensions to those in non-compliance for a reasonable period of time as he deems necessary, based on the showing of good cause by the grantee, but for no longer than six months.

DESIGN

a. GENERAL

All parts of access driveways on highway right-of-way shall be confined within the grantee's property frontage.

No changes to controlled access facilities will be considered except by written authorization of the Chief Engineer.

All parts of any access driveway, including the radii, shall be a minimum of 10' inside the adjoining property frontage in rural locations and shall be a minimum of 5' in urban locations, except as provided in paragraph "h".

b. LOCATION

Access driveways shall be located to provide adequate sight distances and safety for highway users. If adequate sight distances cannot be provided, some movements at the driveway may be prohibited or access denied.

Frontages of 50' or less shall be limited to one driveway. Normally, no more than two driveways shall be allowed for any property. An exception may be made when the frontage approaches 600 feet, if approved by the Engineer.

c. INTERSECTIONS

At any intersection of a State Highway with another highway, road or street, access driveways shall be prohibited for a sufficient distance from the intersection to preserve the normal and safe movement of traffic through it, and the distance shall be not less than the intersecting street return radius.

d. GEOMETRICS

Radii for all access driveways in urban areas shall be not less than 5' and in rural areas the radii shall be not less than 10', except as provided in paragraph "h".

The width of access driveways shall not exceed 40' measured at right angles to the centerline of the driveway, except as increased by permissible radii or as provided in paragraph "h". The minimum width shall be 12 feet.

The angle of access driveways from the pavement shall generally be 60° to 90°.

e. DRAINAGE

Drainage in highway side ditches shall not be altered or impeded. When drainage structures are required, the size of the opening, the length and other design features shall be approved by the Engineer. In all cases the structure shall be no smaller than an 18" diameter or equivalent pipe culvert. The pipe shall be corrugated metal, reinforced concrete pipe, or other Department approved pipe with a minimum of 20' length, and shall have no hazardous headwalls or other hazards constructed upon it. No driveway shall be constructed with swale type ditches for drainage unless there is no other alternative.

f. PROFILE GRADE

The grade on the driveway shall be so constructed as to conform to the slope of the roadway shoulder from the edge of the traveled lane to the edge of the shoulder. Preferably, the profile grade of the driveway be constructed so that water will not drain onto the traveled surface.

g. SAFETY ZONES

All parts of the highway right-of-way between the curb or shoulder line and the right-of-way line along the grantee's property frontage, except the areas contained in the access driveway, shall be a Safety Zone. Generally, the Safety Zone between driveways should be a minimum of one-third the length of the property frontage, but less than

25' in length except as provided in paragraph "h". Vehicle parking or access will not be permitted in a Safety Zone.

h. EXCEPTIONS

The Engineer may authorize or require changes in the design, when necessary to preserve the normal and safe movement of traffic or to permit reasonable access. In consideration of type, speed and volume of highway and access driveway traffic, larger radii than the minimum may be required. When physical factors make it impractical to obtain reasonable access within these requirements, appropriate variations may be authorized, provided that in all cases radii are confined to the grantee's property frontage and are not less than 2½ feet.

CONSTRUCTION

The grantee shall furnish and install all materials, including fill material, surfacing and drainage structures. All materials used must comply with the requirements contained in this manual and/or specified by the Engineer. The grantee shall do all work in connection with the construction of access driveways and their appurtenances on the right-of-way. However, the Department may assist by establishing flowline grades for drainage structures and finished grades for driveway surfaces or such other comparable assistance which the Engineer may agree to perform.

MAINTENANCE

Non-commercial driveways will be maintained to the right-of-way line by the Department. **ANY DIMENSIONAL CHANGE OR RELOCATION OF THE DRIVEWAY WILL REQUIRE AN APPROVED PERMIT FROM THE DEPARTMENT.** This includes any driveway approach or other improvement constructed on the right-of-way.

REQUIREMENTS FOR TEMPORARY DRIVEWAYS

GENERAL

A temporary driveway is defined as a driveway adjoining a State Highway to provide access for a duration of 120 days or less.

A permit shall be obtained from the Department for all temporary access driveways on State Highways. Within incorporated cities, it will be necessary to have a permit from the Department and to meet the requirements of the city.

NO WORK SHALL BE UNDERTAKEN ON STATE HIGHWAY RIGHT-OF-WAY PRIOR TO APPROVAL OF THE PERMIT BY THE ENGINEER.

The grantee shall fully protect the traffic on the highway during construction covered hereunder by proper traffic control devices in accordance with the Manual on Uniform Traffic Control Devices, and to hold harmless the State Highway Commission, the Department, and its duly appointed agents, officers and employees, from all damages, expenses, claims or liability arising out of any alleged damages of any nature to any person or property due to the construction, performance or non-performance of work or existence of a driveway.

The grantee shall not erect any sign, flag or other identifying marker, for the purpose of attracting attention to the site, either fixed or moveable, on or extending over any portion of the highway right-of-way. Anyone erecting such sign, flag or identifying marker is in violation of Ark. Code Ann. § 27-67-304.

The grantee shall maintain all existing highway, street and county road regulatory, warning, guide and informational signs in an effective location at all times for the duration of the work and shall install them at the correct location upon completion of the work. Any signs damaged by the grantee shall be replaced at no cost to the state.

APPLICATIONS for permits shall be made by the owner or lessee who shall represent all parties' interests. Such permits shall be only for the bona fide purpose of securing or changing access to the property and not for the purpose of parking, servicing or loading and unloading vehicles on the State Highway right-of-way.

PERMITS for temporary driveways will have a minimum deposit or bond in the amount of \$100. **THE DEPOSIT OR BOND SHALL BE PREPARED IN THE SAME NAME AS THE PERMIT.** The deposit or bond will be refunded upon satisfactory completion of the work, including removal of the driveway and restoration of the right-of-way to its original condition.

Temporary driveway permits will have an expiration date of a maximum of 120 days from the date of issue. When necessary, the Engineer may extend this at 60 day intervals, but not to exceed a total of 240 days.

DESIGN

a. GENERAL

All parts of temporary access driveways on highway right-of-way shall be confined within the grantee's property frontage. Frontage is that portion of the grantee's property lying between the two most distant possible lines drawn perpendicular from the centerline of the highway to the grantee's abutting property.

No changes to controlled access facilities will be considered except by written authorization of the Chief Engineer.

All parts of any temporary access driveway, including the radii, shall be a minimum of 10' inside the adjoining property frontage in rural locations and shall be a minimum of 5' in urban locations, except as provided in paragraph "h".

b. LOCATION

Temporary access driveways shall be located to provide adequate sight distance and safety for highway users. If adequate sight distances cannot be provided, some movements at the driveway may be prohibited or access denied.

Frontages of 50' or less shall be limited to one driveway. Normally, no more than two driveways shall be allowed for any single property tract or business establishment. An exception may be made when the frontage approaches 600 feet, if approved by the Engineer.

c. INTERSECTION

At any intersection of a State Highway with another highway, road or street, access driveways shall be prohibited for a sufficient distance from the intersection to preserve the normal and safe movement of traffic through it the distance shall be not less than the intersecting street return radius.

d. GEOMETRICS

Radii for all access driveways in urban areas shall be not less than 5' and in rural areas the radii shall be not less than 10', except as provided in paragraph "h".

The width of access driveways shall not exceed 40' measured at right angles to the centerline of the driveway, except as increased by permissible radii or as provided in paragraph "h". The minimum width shall be 15' on a one-way driveway and shall be 24' on a two-way driveway.

The angle of access driveways from the pavement shall generally be 60° to 90°.

The distance from the right-of-way line to the near edge of service pumps, vendor stands, tanks or water hydrants shall be a minimum of 15 feet. To permit free movement of large vehicles and, in certain instances, to insure that they be entirely off highway right-of-way while being serviced, a greater distance is recommended.

e. DRAINAGE

Drainage in highway side ditches shall not be altered or impeded. During dry summer months when drainage is not a problem, temporary roadway ditch crossings may be made by using boards or poles for the original 120 day permit only. When board or pole crossings cause scour or create a hazard, they shall be immediately removed or reconstructed as required by the Engineer.

f. PROFILE GRADE

The profile grade of the driveway should be maintained so that water will not drain onto the traveled surface or cause damage to the right-of-way.

g. SAFETY ZONES

All parts of the highway right-of-way between the curb or shoulder line and the right-of-way line along the grantee's property frontage, except the areas contained in the temporary access driveway, shall be a Safety Zone. Vehicle parking or access will not be permitted in a Safety Zone.

h. EXCEPTIONS

The Engineer may authorize or require changes in the design, when necessary to preserve the normal and safe movement of traffic or to permit reasonable access.

CONSTRUCTION

The grantee shall furnish and install all materials, including fill material and drainage structure, if required. All materials used must comply with the requirements specified by the Engineer. The grantee shall do all work in

connection with the construction of access driveways and their appurtenances on the right-of-way and all work required to remove the driveway and restore the right-of-way to its original condition. However, the Department may assist by establishing flowline grades for drainage structures or such other comparable assistance which the Engineer may agree to perform.

MAINTENANCE

Any maintenance of the driveway will be the responsibility of the grantee. The grantee shall make provisions for removal from the highway any debris caused by his operations. Provisions shall be made to remove such debris as mud, tree limbs, bark, etc. At any time a hazard is created the correction of a hazardous condition must be made immediately.

TYPICAL LAYOUTS

Drawing Numbers AD-1 through AD-5 illustrate the typical treatment which may be used on driveways.

The sketches contained in this booklet illustrate the freedom of design permitted by these regulations which permit adequate access along with reasonable protection to the traveling public and patrons of roadside establishments. The Department does not design layouts for private property. However, these sketches are presented to illustrate the attractive and inviting appearance of such establishments when proper provisions are made for access.

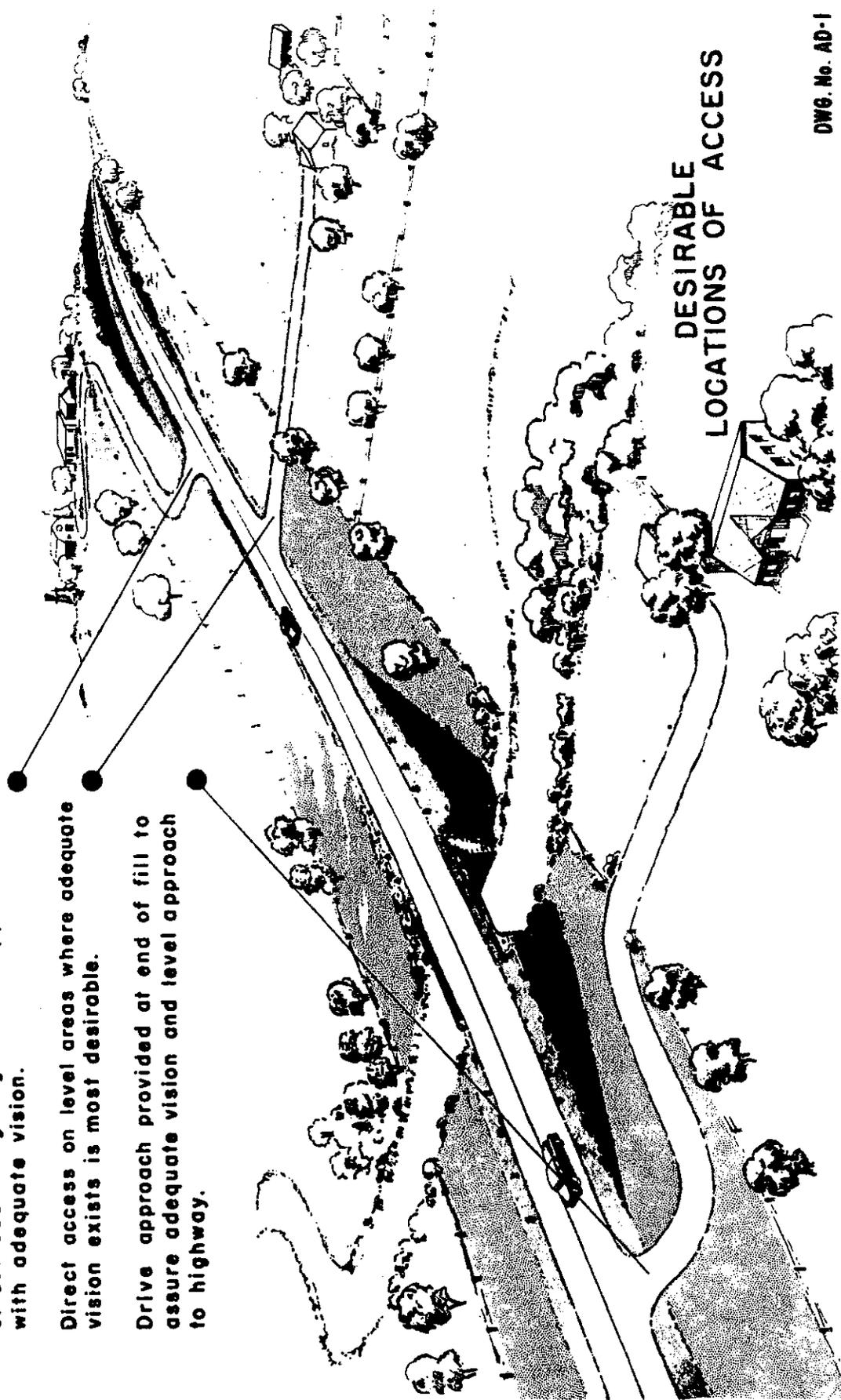
Drive approach to highway provided at end of cut section giving a level approach with adequate vision.

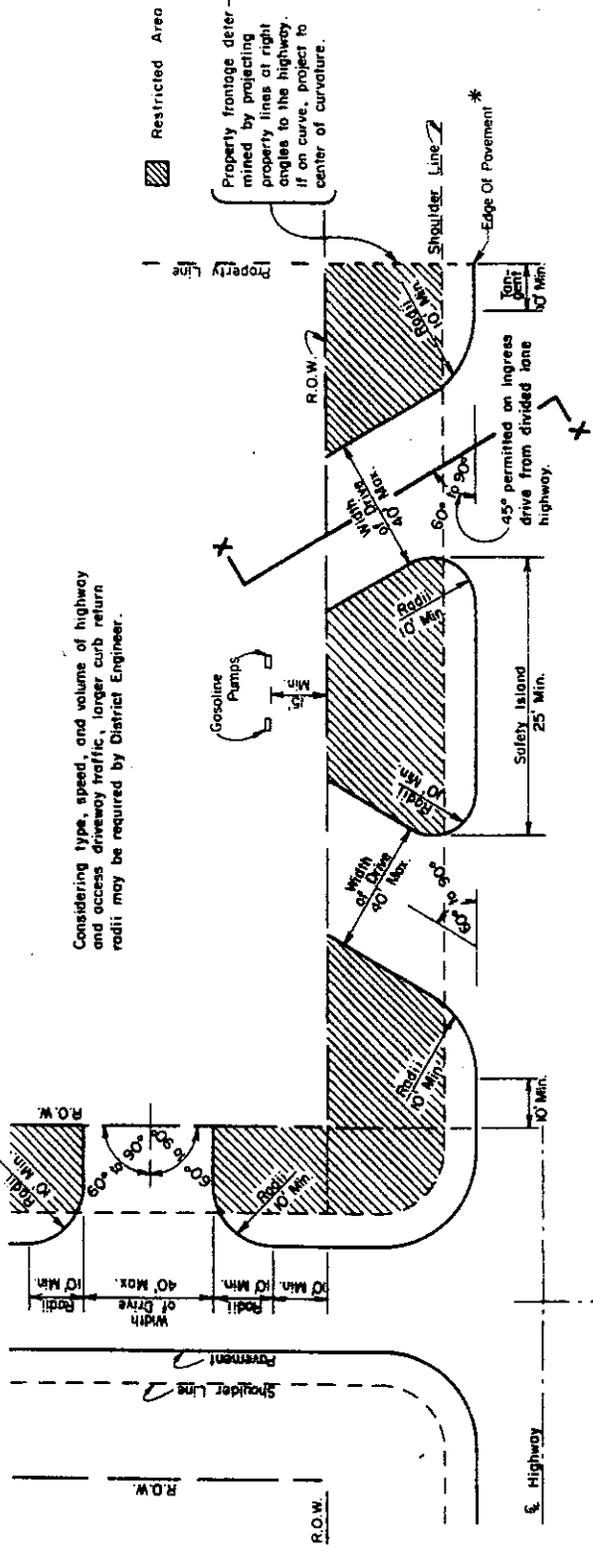
Direct access on level areas where adequate vision exists is most desirable.

Drive approach provided at end of fill to assure adequate vision and level approach to highway.

DESIRABLE
LOCATIONS OF ACCESS

DWG. No. AD-1

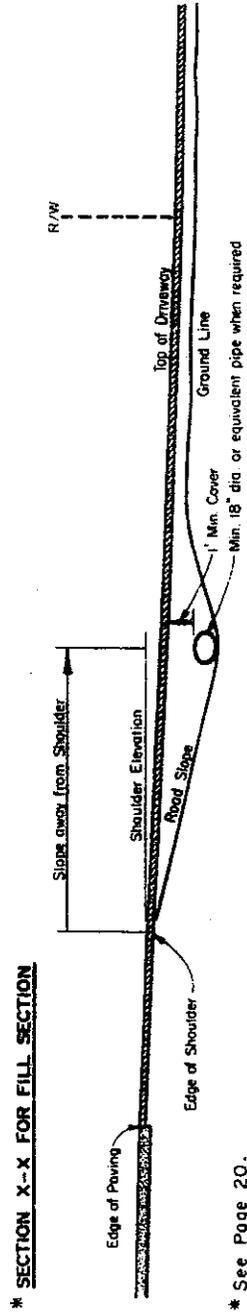
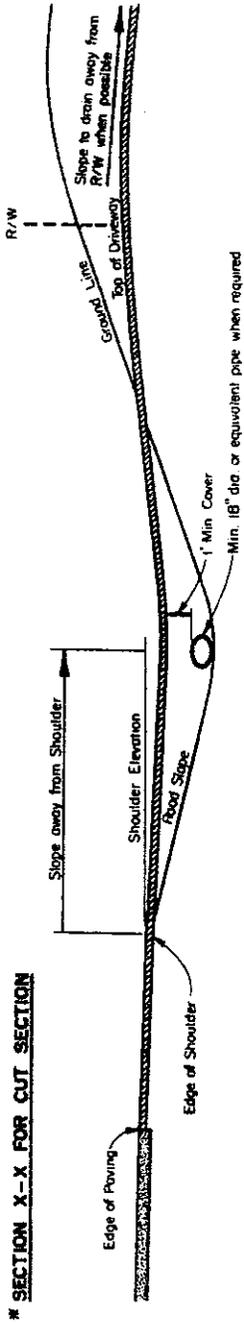




Considering type, speed, and volume of highway and access driveway traffic, longer curb return radii may be required by District Engineer.

TYPICAL ACCESS LAYOUT
 ILLUSTRATING APPLICATION OF REGULATIONS
 — RURAL AREA —
 COMMERCIAL

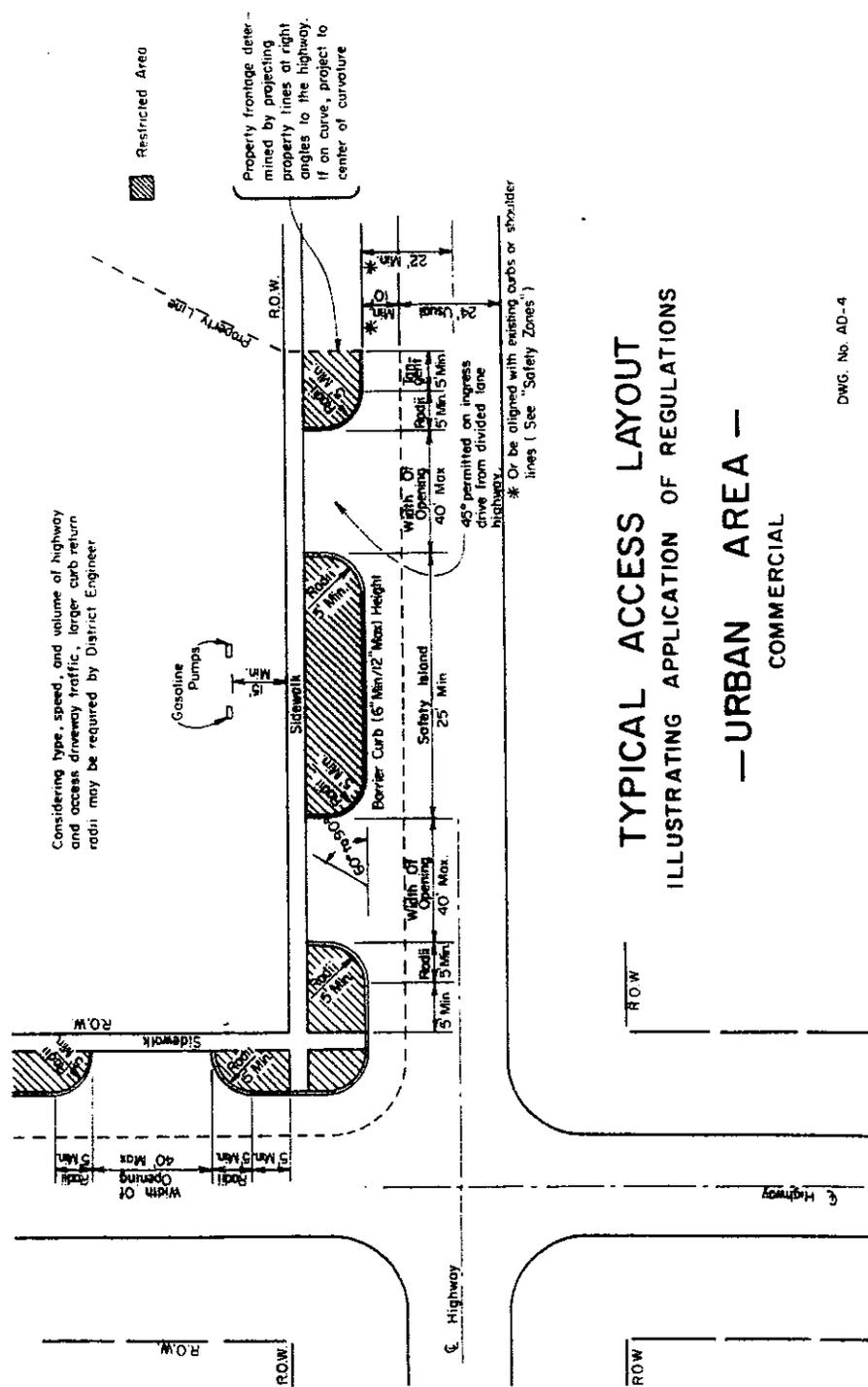
DWG. No. AD-2



* See Page 20.

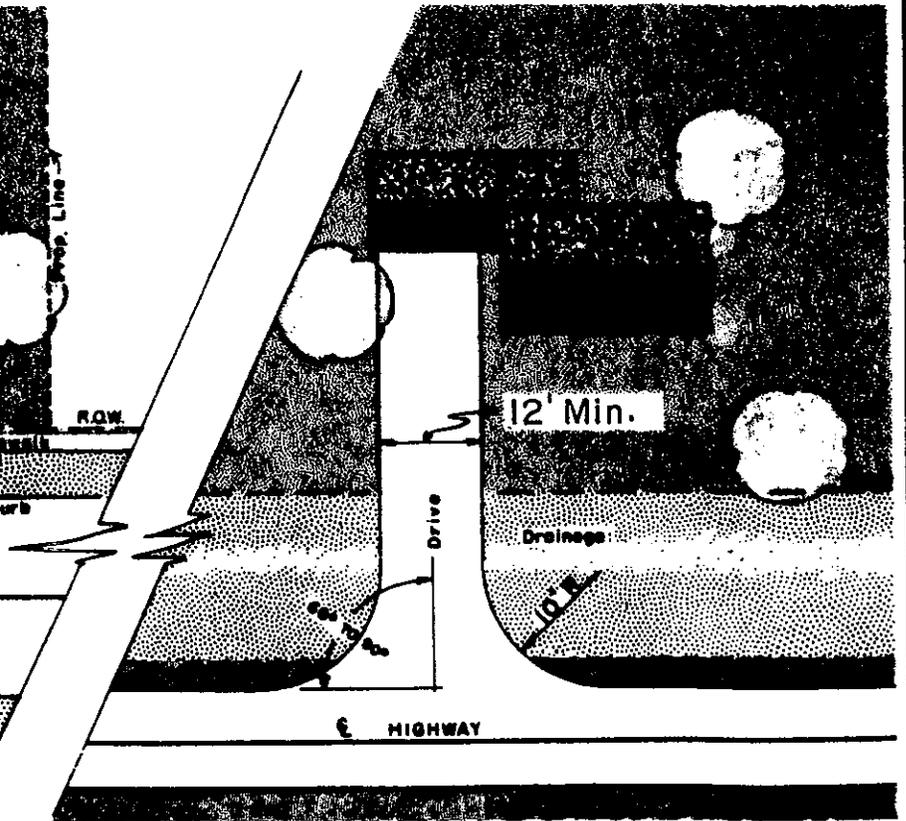
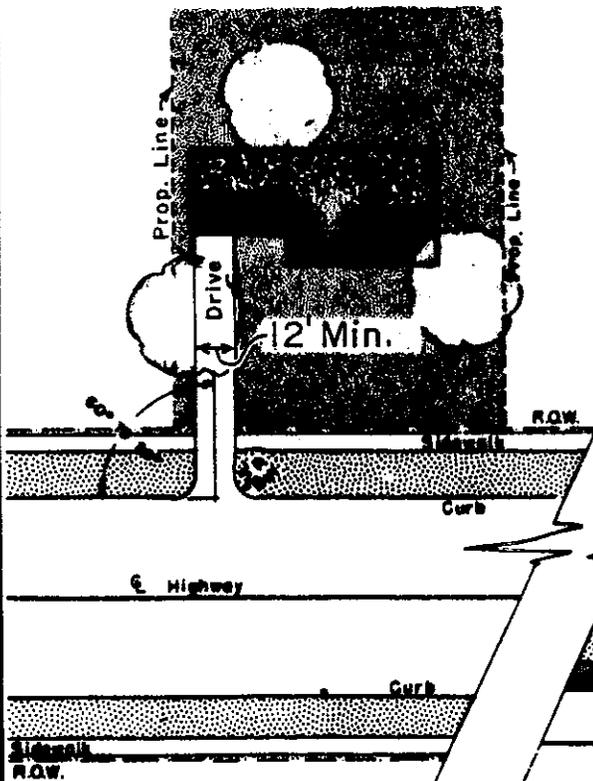
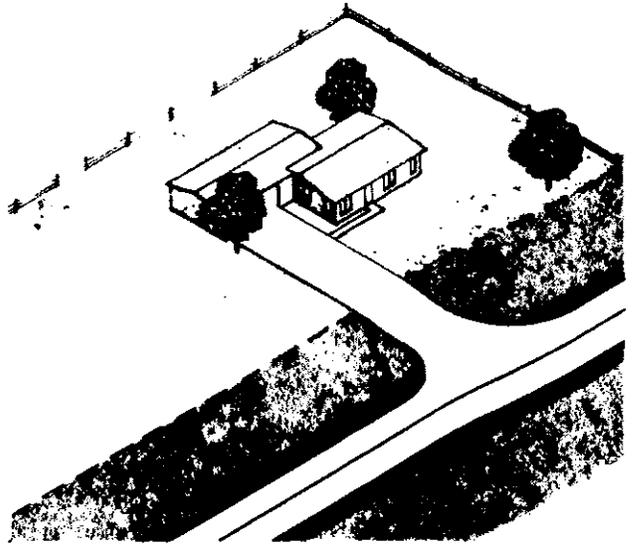
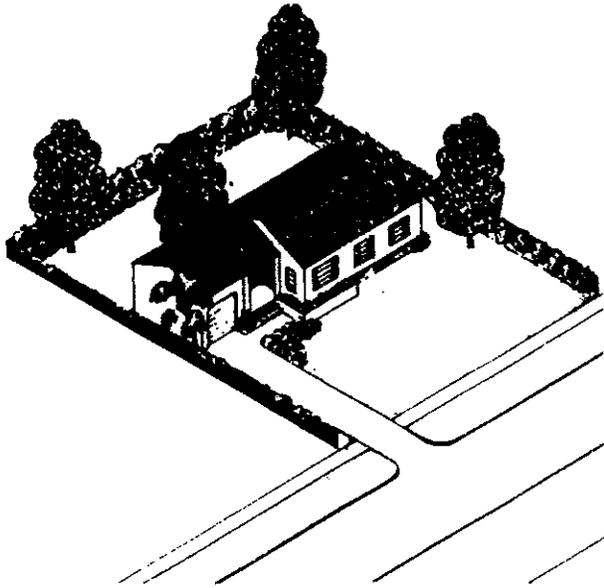
DESIRABLE TYPICAL ELEVATION SECTIONS FOR DRIVEWAYS

DWG. No. AD-3



TYPICAL ACCESS LAYOUT
 ILLUSTRATING APPLICATION OF REGULATIONS
 — URBAN AREA —
 COMMERCIAL

DWG. No. AD-4



**RESIDENCE IN
URBAN AREA**

RESIDENCE IN RURAL AREA

DWG. No. AD-5

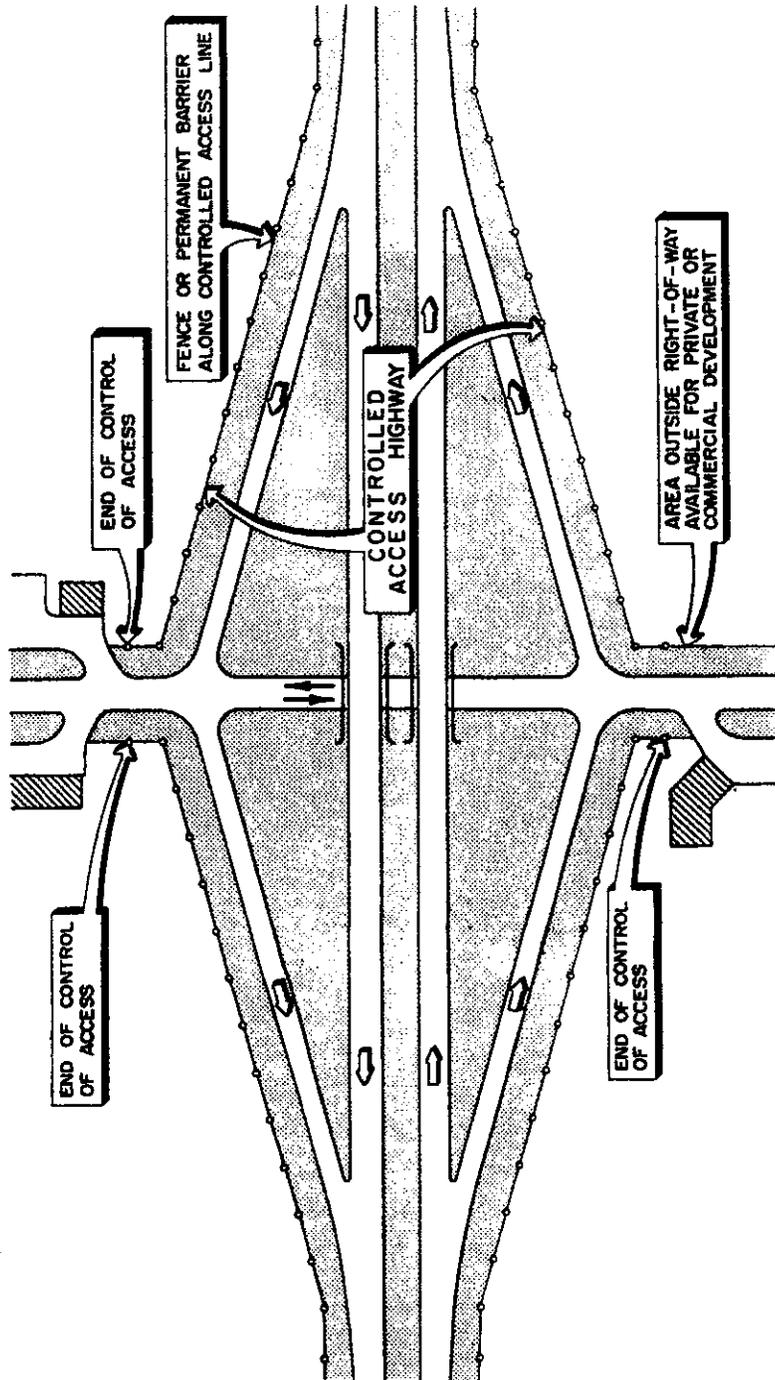
FULLY CONTROLLED ACCESS HIGHWAYS

Drawing Numbers AD6 and AD7 illustrate the limits of development with respect to fully controlled access highway right-of-way.

Commercial areas may be developed along the cross roads adjacent to or near an interchange but beyond the limits of access control.

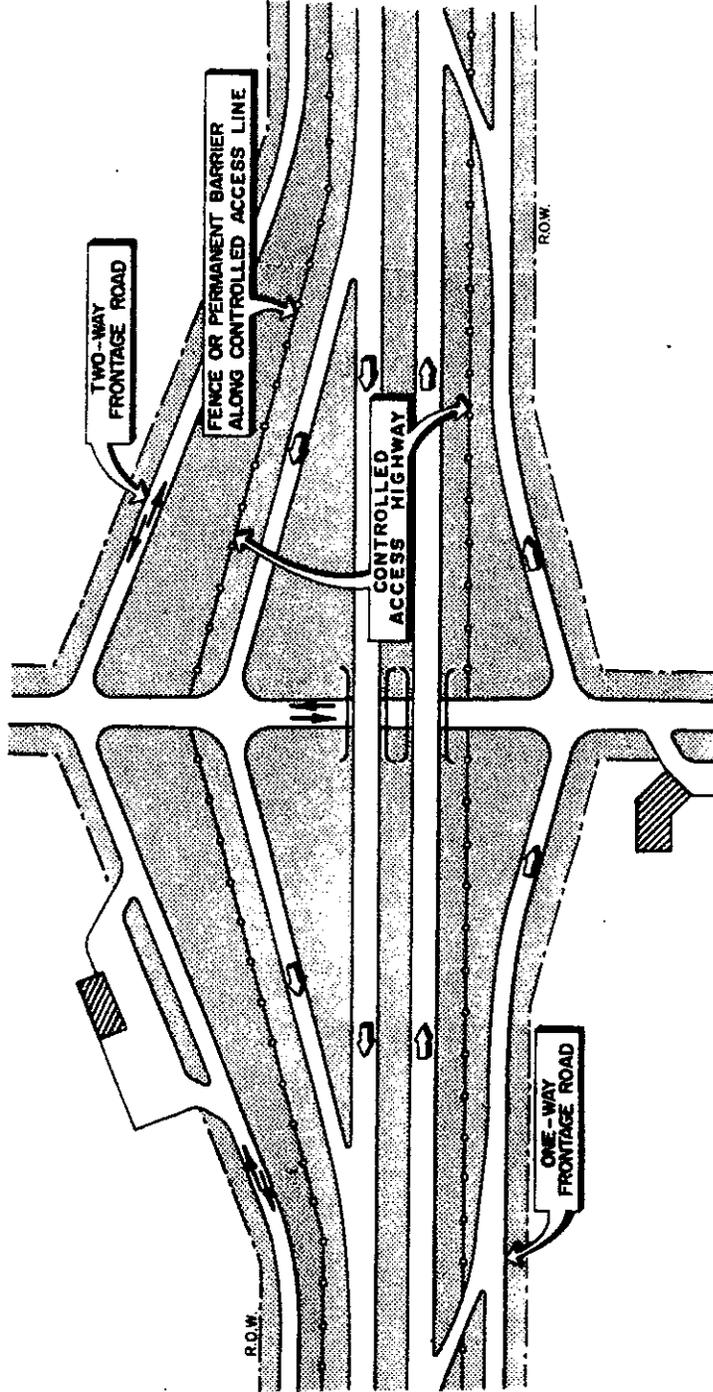
When frontage roads are constructed along a fully controlled access highway, access from adjacent property may be permitted as specified on previous pages.

When frontage roads are not constructed, access to a fully controlled access highway will not be permitted under any circumstances.



DWG. No. AD-5

**CONTROLLED ACCESS HIGHWAY
NO FRONTAGE ROAD**



**CONTROLLED ACCESS HIGHWAY
WITH FRONTAGE ROADS**

DWG. No. AD-7

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

DRIVEWAY ACCESS PERMIT

Permanent Temporary

Permit No. _____ DATE _____

DISTRICT NO. _____ COUNTY _____ ROUTE _____ SECTION _____ LOG MILE _____

(Name of Applicant) (Address) (City, State and Zip Code)

Phone No. _____, hereinafter termed the applicant, request permission to construct a driveway(s) described and as shown on attached sketch or plan (if required), and hereby made a part of this application.

DESCRIPTION

Commercial Non-Commercial Driveway _____ feet wide on _____ side of _____ highway
N.E.S.W. S.H./U.S. NO.

right-of-way, approximately _____ miles from _____ for the purpose of
City or well defined point

providing ingress or egress to a _____
commercial / non-commercial establishment, give description

and providing drainage under said driveway(s) by the installation of a structure _____,
size

_____ Length _____ Type _____ to be located _____ feet from the edge of pavement. Right-of-way
width from the center line of the highway is _____ feet.

Highway surface _____ Width _____, _____ Type _____ Proposed driveway surface _____ Width _____

_____ subject to the restrictions and regulations contained in the "Regulations for Access Driveways to
Type

State Highways" as approved by the Arkansas State Highway Commission.

In consideration of these regulations, the applicant and the Arkansas State Highway and Transportation Department subscribe to the following agreement:

AGREEMENT

1. That applicant is granted permission to construct a driveway(s) pursuant to the regulations of the Arkansas State Highway Commission. The Arkansas State Highway and Transportation Department waives none of its powers or rights to direct the removal, relocation and/or proper maintenance of any driveway within the right-of-way of a state highway.
2. That all work will be performed in a neat and workmanlike manner, using materials acceptable to the District Engineer of the Arkansas State Highway and Transportation Department, and that the right-of-way will be cleaned up and left in a presentable condition upon completion of the described work.
3. That the applicant will fully protect the traffic on the highway during construction covered hereunder by the proper traffic control devices in accordance with the Manual on Uniform Traffic Control Devices, and to hold harmless and indemnify the Arkansas State Highway and Transportation Department, its officers and employees from all damages, expenses, claims or liability arising out of any alleged damages of any nature to any person or property, due to construction, performance or non-performance of work, or existence of said driveway.

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

AGREEMENT (Continued)

- 4. Permittee shall be responsible for locating and protecting all utilities in the work area(s) and to hold harmless and indemnify the State Highway Commission, the Department and its duly appointed agents, officers and employees, from all damages, expenses, claims or liability arising out of any alleged damages of any nature to any utilities due to the construction, performance, or non-performance of work.
- 5. That the applicant is either the owner or has the legal right to possession and control of the parcel of property adjacent to the right-of-way frontage within which the said proposed driveway(s) is to be constructed.
- 6. That no driveway shall be constructed such that there will be parking or servicing of vehicles on the highway right-of-way.
- 7. That the profile grade of driveways shall be constructed as indicated on the attached sketch or plan.
- 8. Deposit or surety bond in the amount of \$ _____ must be deposited with the District Engineer of the Arkansas State Highway and Transportation Department at _____, Arkansas before the permit for an access driveway to a commercial concern is issued. If the work is completed as specified, the deposit will be returned, but if the permit requirements are not met, the Arkansas State Highway and Transportation Department will revoke the permit, call for the deposit or bond and remove the driveway.
- 9. The grantee shall maintain all existing highway, street and county road regulatory, warning, guide and informational signs in an effective location at all times for the duration of the work and shall install them at the correct location upon completion of the work. Any signs damaged by the grantee shall be replaced at no cost to the state.
- 10. Mailbox support: If you are also going to install a new or replacement mailbox, please let us know and the Department will provide detailed information on approved mailbox installations including supports, boxes, and mountings. Please note there are in excess of 30 million mailboxes in the United States. As many as 100 fatalities a year occur as a result of vehicles colliding with these mailboxes. The potential for disabling injury and the resulting civil action is reduced when mailboxes are installed using approved methods and materials that are designed with highway safety in mind. Remember, the mailbox owner may be held liable in case of collision.

SPECIAL PROVISIONS

Deposit \$ _____

Expiration Date _____

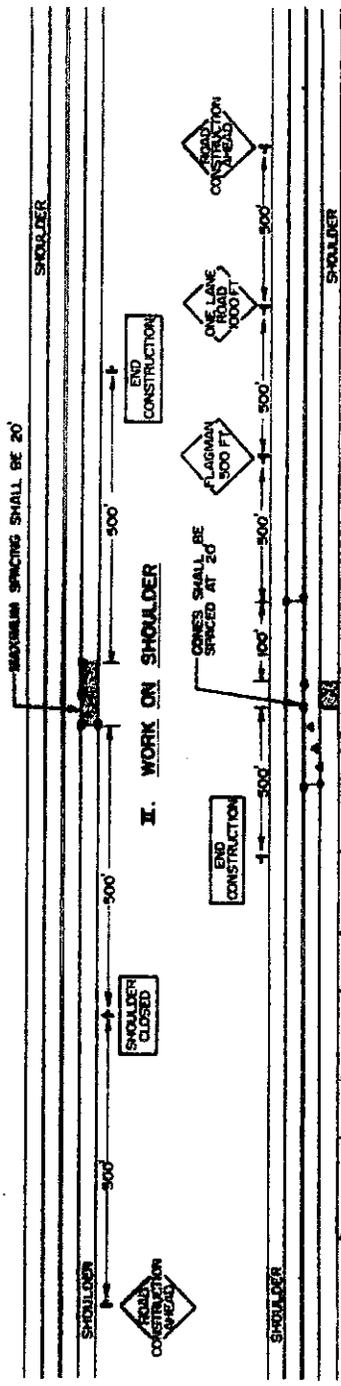
Applicant

BY _____
District Engineer

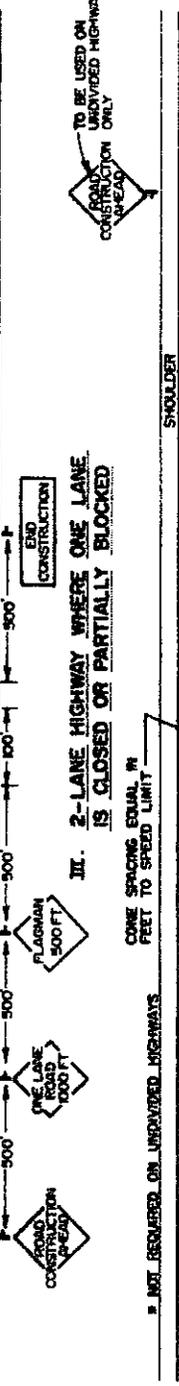
Date

- Original to District Engineer
- One Copy to Applicant
- One Copy to Area Maintenance Supervisor
- One Copy to Fiscal Services or Utilities

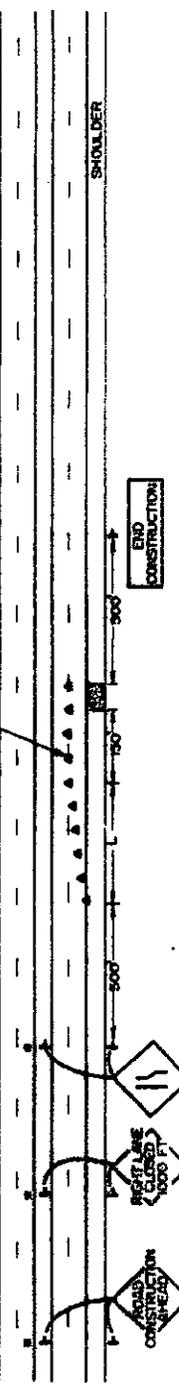
I. NO WORK ON ROADWAY - No Traffic Control Required



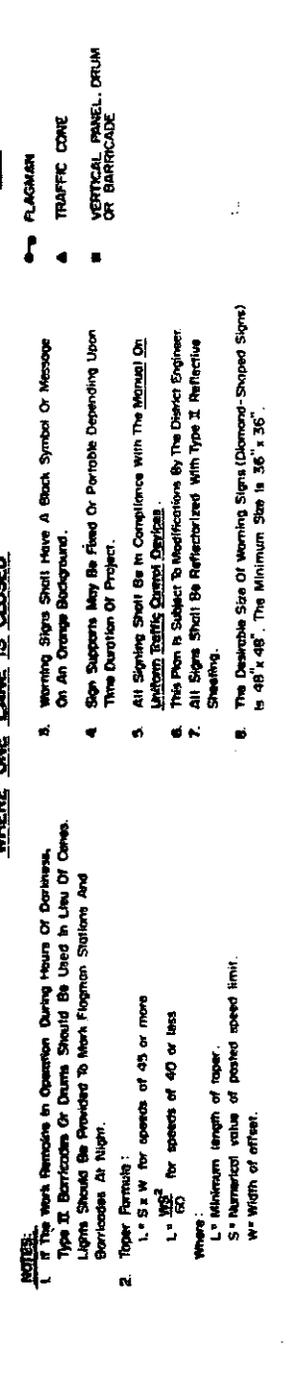
II. WORK ON SHOULDER



III. 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED OR PARTIALLY BLOCKED



IV. 4-LANE DIVIDED OR UNDIVIDED HIGHWAY WHERE ONE LANE IS CLOSED



- KEY**
- FLAGMAN
 - ▲ TRAFFIC CONE
 - VERTICAL PANEL, DRUM OR BARRICADE

NOTES:

1. If the work remains in operation during hours of darkness, Type II Barricades or Drums should be used in lieu of Cones. Lights should be provided to mark Flagman Stations and Barricades at Night.
2. Taper Formula:
 - $L = S \times W$ for speeds of 45 or more
 - $L = WS^2$ for speeds of 40 or less
 Where:
 - L = Minimum length of taper.
 - S = Numerical value of posted speed limit.
 - W = Width of offset.
3. Warning Signs shall have a Black Symbol or Message on an Orange Background.
4. Sign Supports may be Fixed or Portable depending upon the Duration of Project.
5. All Signage shall be in Compliance with the Manual on Uniform Traffic Control Devices.
6. This Plan is Subject to Modifications by the District Engineer.
7. All Signs shall be ReflectORIZED with Type I Reflective Sheeting.
8. The Desirable Size of Warning Signs (Diamond-Shaped Signs) is 48" x 48". The Minimum Size is 36" x 36".

TRAFFIC CONTROL FOR ACCESS DRIVEWAY CONSTRUCTION