RIGHTS OF WAY ENCROACHMENT GUIDELINES

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RIGHTS OF WAY ENCROACHMENT GUIDELINES

I. Title

This article will be known as the "Augusta, Georgia Right-of-Way Encroachment Guidelines." This article is a support document to Title 7-Chapter 3-Article 3 "Excavations" and Article 4 "Use of County Rights of Way"

II. Definitions

A. Active Project

A utility activity that has been permitted that is within the time period from the "Beginning of Work" until the expiration of the 18-month "Warranty Period".

B. Applicant

The individual or the agency he represents that has completed and signed the "Application and Permit for Utility Facility Encroachment" Form.

C. Application and Permit for Utility Facility Encroachment

A form provided by Augusta Engineering Department that is to be filled out by the "Applicant". Upon such time, that the City Engineer signs the application, the application shall serve as the Permit.

D. Beginning of Work

The initial activity as part of an approved permit as determined by the City Engineer.

E. City Engineer

The City Engineer shall include the City Engineer or one of his designated representatives, which includes, but is not limited to, the Utility Inspector.

F. G.A.B.

Graded Aggregate Base per Georgia Department of Transportation Standard Specification Section 815

G. Permit

The approved application form that is signed by the City Engineer.

H. Utility Activity

Any activity conducted on a site that is in conjunction with an approved permit. This can include utility locating, traffic control, erosion control, etc.

I. Utility Company

Any entity installing a utility facility. This shall include all subcontractors performing work for the Utility Company.

J. Warranty Period

The period of time from the acceptance of completed permitted work to the end of an 18-month period.

K. Working Day

This shall include any day, Monday through Friday, excluding Augusta, Georgia holidays, from 8:30 a.m. to 5:00 p.m.

III. Exceptions

This article shall apply to any encroachment within City right of way undertaken by any person except for the following:

A. Projects operating with an approved Site Plan. This does not include projects operating with an approved Grading Permit.
B. Short side taps within an approved Subdivision Development.
C. Individual residential taps that do not require crossing or encroaching the roadway. Multiple residential taps on the same street will require a permit.
D. Individual aerial service taps.

IV. Requirements

No encroachment or excavation shall begin within any public rights of way (street, road, alley, lane or other public thoroughfare) of Augusta, Georgia until the following requirements have been met:

A. Financial Security Proof: The applicant must provide proof of financial security for three thousand dollars ($3,000) for one (1) to three (3) active projects, five thousand dollars ($5,000) for four (4) to five (5) active projects, and ten thousand dollars ($10,000) for six (6) or more active projects as approved by the City Engineer. An "Active Project" is defined as one that is within the time-period from the beginning of work until the expiration of the 18-month warranty period. The "Beginning of Work" is defined as the initial activity on the site as approved by the City Engineer. The 18-month warranty period begins after final acceptance of the permitted work.

The following three forms of proof of a Financial Security are acceptable:

1. Letter of Escrow - A Letter of Escrow from a chartered state or national bank or savings and loan institution, which confirms an escrow deposit by the contractor or applicant designating the City of Augusta, Georgia as the obligee.

2. Letter of Credit - A Letter of Credit from a chartered state or national bank or savings and loan institution, which designates the City of Augusta, Georgia as the obligee.

3. Permit Bond - A Permit Bond from an authorized bonding agency, which designates the City of Augusta, Georgia as the obligee. The bond shall have a continuous beginning date, and only the City Engineer can release the bond.

B. Submittal Package Approval

1. **Application and Permit for Utility Facility Encroachment** - This form is provided by the Engineering Department and shall be completed by the applicant in full to include Subcontractor information and Signature if applicable. The form shall be returned to Augusta Engineering Department for review. The application is not valid until signed by the City Engineer at which time the application form will serve as the permit. See Permit Application XI - E

2. **Plans** - Two sets of plans shall be submitted to the City Engineer providing the details regarding the proposed utility installation and/or repair. The plans shall show the type, location, depth, etc. of the proposed activities, and the plans shall include, but are not limited to, the location of existing utilities, references in relation to existing edges of pavement and/or backs of curbs, dimensions, rights of way, etc. The plans shall show any proposed road jack or bore locations and details and any proposed traffic flow alterations such as lane closures or detours. Approval of the application does not grant approval of the proposed traffic flow alteration. That approval process is discussed in "Section IV.A. Request for Traffic Flow Alteration" of this article.

3. **Verification of Financial Securities** - Verification of a financial security in an adequate amount based on the number of active projects per Section A - "Financial Security Proof" shall be provided with each application. If this is an initial submission for an encroachment, the person signing the security and the Utility application shall be the same.

C. Permit Validation -The permit shall be on site at all times in a weather protected legible state. Failure to produce the permit shall be cause for an immediate stop work order. All related special requirements as outlined on the back of the permit shall be followed at all times. All permitted work shall begin within twelve (12) months of the approval date.

Following submission of the Submittal Package as described herein, Augusta Engineering Department shall have a period of thirty (30) days to take action to approve, to approve with conditions, or to disapprove the package. The applicant may agree in writing to waive the thirty- (30) day take action period if the results of the action would result in disapproval.

V. Notification

A. Request for Traffic Flow Alteration

1. **Detours and Road Closures** - A request for a detour shall be submitted, in writing, to the City Engineer. Upon the determination by the City Engineer, that a detour is required and no viable alternative is available, the City Engineer shall receive a detailed Traffic Control/Detour Plan two (2) weeks prior to the expected date the detour is to begin. Written approval by the City Engineer will be required prior to implementing any detour. After approval, public notification in the form of press releases regarding the detour will be handled by Augusta Engineering Department.

2. **Lane Closures** - Approval for all lane closures shall be obtained from the City Engineer. Lane closure requests shall be received by the City Engineer a minimum of forty-eight (48) hours in advance of the expected date and time of the lane closure. Any required public notification in the form of press releases would be determined and handled by Augusta Engineering Department. In emergency or routine maintenance situations requiring short durations, as defined in the MUTCD, a notification will not be necessary. However, whenever practical, Augusta Engineering Department should be notified.

B. **Commencement of Work** - Augusta Engineering Department shall be notified at least twenty four (24) hours prior to the beginning of any permitted activity. A minimum of one (1) hour advance notice during regular working hours (8:30 a.m. to 5 p.m., Monday – Friday, excluding Augusta, Georgia Holidays) shall be given by the applicant prior to beginning any backfill operation or any concrete or asphalt placement in any City roadway or in conjunction with any activity that by improperly backfilling could cause a public safety hazard or create a maintenance problem. Any backfill accomplished without this minimum one (1) hour advance notice shall be removed in its entirety. The applicant must obtain permission from the City Engineer before placing concrete or asphalt. This notification process does not prohibit the applicant from backfilling or placing asphalt or concrete if the City Engineer has been properly notified and is not on site within one hour.

C. **Intermittent Notification Requirements** - Anytime that the permitted work is to be suspended for more than three (3) working days, the applicant shall contact Augusta Engineering Department a minimum of one (1) working day prior to the suspension. The applicant shall contact Augusta Engineering Department a minimum of twenty-four (24) hours prior to beginning any roadway jack and/or bore activities. This includes excavating the jack or bore pit.

D. **Completion of Work** - The applicant shall notify Augusta Engineering Department as soon as practical after completion of permitted work, which shall be no more than one (1) working day. Augusta Engineering Department shall have up to three (3)

working days after notification of completion to inspect the completed work. Upon acceptance of the permitted work, the 18-month warranty period will commence.

E. **Outside of Normal Working Hours** - The cost of inspection by the City of Augusta, Georgia before or after regular working hours, on Saturdays, Sundays, or Augusta, Georgia Legal Holidays, shall be paid for by the applicant requiring the inspection at a rate of 1-½ times the regular salary per hour of the inspector plus 7.65% for the employer's FICA/Medicare match. Approval for the inspection outside of normal working hours shall be obtained from the City Engineer forty-eight (48) hours in advance. Prior to the commencement of work requiring inspection outside of normal working hours, the applicant shall sign a form which is furnished by Augusta Engineering Department agreeing to pay the overtime. Augusta Engineering Department will bill the Contractor for payment.

F. Damage to Property of Others - Any damage to City rights of way, existing utilities, existing storm drainage systems, private property, etc. which occurs while working on an active project shall be reported to Augusta Engineering Department immediately. The applicant is responsible for the repair of any such damage.

G. **Traffic Engineering Notification** – Any permitted work within 500 feet of a traffic signal or 100 feet of any ground-mounted street light shall require the applicant to contact Augusta Traffic Engineering at (706) 821-1841 for a locate.

VI. Construction

When any provisions of this article do not meet the minimum requirements of the Georgia Department of Transportation - Standard Specifications, Current Edition, the Georgia Department of Transportation-Standard Specifications, Current Edition controls.

A. **Traffic Control** - When any provisions of this section of this article do not meet the minimum requirements of the Manual of Uniform Traffic Control Devices (MUTCD), Current Edition, or the Georgia Department of Transportation Standard Specifications and Supplemental Specifications "Section 150- Traffic Control", the MUTCD shall control.

All work within City rights of way requires traffic control measures. Rights of way includes but is not limited to all streets, roads, alleys, lanes, other public thoroughfares, shoulders, easements, etc. No work shall begin within City rights of way until the appropriate traffic control devices have been placed in accordance with the minimum requirements. Alterations to traffic flow shall not commence unless all notification requirements are met and all labor, materials, and equipment necessary to make the alterations are available on the site.

There shall be one designated Contractor's representative capable of, and charged with, the responsibility for traffic control on the site. This individual's traffic control responsibilities shall have priority over all other assigned duties and responsibilities.

This individual shall have a copy of "Part VI. Standards and Guides For Traffic Controls for Street and Highway Construction, Utility and Incident Maintenance Management Operations" of the MUTCD on the job site at all times. Copies may be obtained from the Federal Government Printing Office:

Superintendent of Documents
U. S. Printing Office
Washington, DC 20402-9325
Stock # 050-001-00290-6

When flaggers are required, the flaggers shall be state certified, and the flaggers must have the State Certification Card on site at all times. Failure to produce the State Certification Card will result in an immediate stop work order until a state certified flagger with an up-to-date State Certification Card can be designated to replace the uncertified flagger.

B. **Verification of Field Conditions** - It is the Utility Company's representative or the applicant's responsibility for locating and maintaining any existing utilities, and any cost associated with the relocation of existing utilities shall be at the expense of the Utility Company and/or the applicant. It is the applicant's responsibility to verify the limits of right of way, the location of existing utilities, and the location of existing storm drainage systems prior to commencing work.

C. **Road Cuts** - All road cut excavations shall conform to the Augusta Utility Road Cut Detail. This detail supercedes the Georgia Department of Transportation Standard 1401 - "Pavement Patching Detail".

1. **Backfill** - All backfill shall be compacted in lifts no more than eight (8) inches, loose measure, spread and compacted uniformly. In all cases the backfill shall be compacted to 95% of the maximum laboratory dry density to within twelve (12) inches of the top of subgrade. The top twelve (12) inches of the backfill shall be compacted to at least 100% of the maximum laboratory dry density. The top of subgrade is that elevation located immediately beneath all base and paving materials. The maximum laboratory dry density shall be determined from the Standard Proctor Test. A mechanical compactor and qualified operator shall be on site prior to beginning any excavations. The mechanical compactor shall remain on site at all times during the backfilling operation. Backfilling with sand, using jetting and/or flooding to achieve compaction must be approved by the City Engineer.

2. **Base Reconstruction** - This includes the reconstruction of the utility trench to an elevation two (2) inches below the existing finish grade of the roadway. After the approved completion of base reconstruction, the asphalt patch shall be placed per #3 below.

A. **Concrete Cap** - An eight (8) inch thick Portland Cement Concrete, Class "A" or better, concrete cap, shall be placed twelve (12) inches wider, each side, than the excavated trench/ditch to an elevation two (2) inches below the existing finish grade of the roadway. All edges shall be squared. All concrete shall be protected for twenty-four (24) hours after placement and no asphalt shall be placed during this period. If high early strength concrete is used, asphalt patching within the twenty-four (24) hour period will be considered based on early break cylinders obtaining a compressive strength of 3000 PSI. All costs associated with verifying compressive strength shall be borne by the applicant.

B. **G.A.B. and Binder** - This base reconstruction method may be allowed at the discretion of the City Engineer, and it will be assessed on a case by case basis. The minimum requirements shall be a roadway cut of at least six (6) feet in width and procedures available to utilize compaction equipment to adequately construct the subbase and base. The subbase material is to be prepared to an elevation of fourteen (14) inches below the existing finish grade of the roadway. Eight (8) inches of G.A.B. after compaction is to be placed to an elevation six (6) inches below the existing finish grade of the roadway. Four (4) inches of Type "B" Binder after compaction is to be placed to an elevation two (2) inches below the existing finish grade of the roadway.

3. **Asphalt Patch** - All edges of the existing asphalt shall be sawed vertically to provide a clean, neat surface. Prior to placing the asphalt patch, the edges of the existing asphalt which shall be tacked in accordance with the Georgia Department of Transportation Standard Specifications, Current Edition, "Section 413 - Bituminous Tack Coat". The minimum thickness of the Type "E" asphalt shall be two (2) inches after compaction. Unless otherwise directed by the City Engineer, a mechanical spreader shall be used to place the asphalt for a permanent patch. After placement of the asphalt and after proper rolling, the final grade of the asphalt patch shall match the existing grade of the surrounding pavement. Hot Mix Asphaltic Concrete is required for permanent patches per Georgia Department of Transportation Standard Specifications, Current Edition, "Section 400 - Hot Mix Asphaltic Concrete Construction". Cold Mix Asphaltic Concrete will be allowed for temporary patches per Georgia Department of Transportation Standard Specifications, Current Edition, "Section 401 - Cold Mix For Patching" at the discretion of the City Engineer.

4. **Asphalt Overlay** - All utility road cuts require an asphalt overlay. The minimum width shall be one full lane width. The minimum length is fifty feet which is a minimum twenty-five (25) feet on each side of the center of the utility cut. In certain unique circumstances the City Engineer may decrease the minimum fifty-(50) feet length. The minimum thickness of the Type "E" asphalt overlay shall be one and one half (1-1/2) inches after compaction. Overlay for diagonal and longitudinal cuts shall begin and end a minimum of ten (10) feet beyond the cut extremities. Refer to the applicable "Asphalt Overlay Detail". All asphaltic concrete shall be in accordance with Georgia Department of Transportation

Standard Specification, Current Edition, and "Section 400 - Hot Mix Asphaltic Concrete Construction

D. **Jack and/or Bore Method** - No pavement will be cut for utility installation or repair unless authorized by the City Engineer.

1. No jacks or bores are to be made in or near roadways using any type of directional boring equipment or methods unless the contractor and the method have been approved by the City Engineer.

2. Jacks or bores under the roadways where the diameter of the bore is greater than two (2) inches in diameter than the utility being installed will require casings or conduits. The outside diameter of the casings or conduits shall be no more than two (2) inches smaller than the diameter of the borehole. Casing material requires the approval of the City Engineer.

3. Road jacks or bores shall have a minimum cover of forty-eight (48) inches. Road jack and/or bore details and locations shall be shown on the plans that are submitted with the permit request.

4. Jack or bore entrance and exit pits and set backs are to be a minimum of three (3) feet from the edge of road or the back of curb. Distance will increase with depth.

5. All contaminated water shall be contained on site during construction and then removed from the site after the utility installation. Some type of vacuum system or other type of cleanup system is to be used when the directional bore method is utilized. There shall be no discharge of any contaminated water from the jack or bore operation into the municipal separate storm water system per "Title 5 - Utilities" and "Title 7 - Article 5 - Soil Erosion and Sediment Control" of the Municipal Code.

6. As-Built Data- As-Built Data may be required by the City Engineer, and it shall be received within two (2) weeks after substantial completion of the utility installation. If required, it will be noted in the "Special Requirements" section of the "Permit and Application for Rights of Way Encroachment."

E. **Blasting** – Requests to use explosives within the Right-of-Way shall be submitted to the City Engineer in writing. The City Engineer may require Pre Blast Surveys and Seismographic Monitoring. A blast plan per The Georgia Blasting Standards Act shall accompany the request. The approval to use explosives will be determined by the City Engineer. However, approval to use explosives does not relieve the applicant from all liability associated with the use of explosives. The use of explosives shall comply with the "Georgia Blasting Standards Act", current edition, and Georgia Department of Transportation Specification Section 107.12 Use of Explosives.

F. Stream Crossing – All utility installations requiring stream crossings shall be properly permitted by The Georgia Department of Natural Resources-Environmental Protection Division and the United States Army Corps of Engineers. All undisturbed buffer zones of States Waters and Wetland Encroachments shall be identified, and compliance shall be the responsibility of the applicant. All applications requesting a stream crossing shall be accompanied with a plan that identifies wetlands, the 100-year Flood Plain and the 25-foot Undisturbed Buffer Zone. Open cutting within streams will be assessed on a case-by-case basis.

When the directional bore method is utilized, as a minimum the following shall apply:

1. All equipment, materials, etc. shall be located outside the limits of the 100-year Flood Plain at the conclusion of each working day.
2. The entrance and exit bore pits shall be located outside the 25-foot undisturbed buffer zone. This zone is defined in Augusta Municipal Code- Title 7, Article 5 Soil Erosion and Sediment Control, Section 7-3-34 (b) (15).
3. The depth of the top of the utility shall be a minimum of five (5) feet below the streambed for the entire width of the channel. The streambed can be determined by probing any deposited material until refusal with a hand probe.

Utility Corridors - All utilities including water and sewer shall install their respective utility facility in accordance with the following guidelines:

1. Whenever possible, water mains shall be installed on the North or East Side, and gas mains shall be installed on the opposite side from the water mains.

2. In subdivisions where a ditch section is utilized, a coordination meeting may be necessary to clarify the utility corridor.

3. A tolerance of six (6) inches horizontally from either side will be readily accepted. However, the vertical tolerance will only allow the utility to be installed deeper than the above-designated depth. The depth is measured to the top of the facility.

4. If a utility has to encroach on any other utility, a coordination meeting with the involved utility companies and the City Engineer is required.

5. References can be made to the respective "Utility Corridor Detail".

6. 50 feet Utility Corridor- The width of the utility corridor is 9'-6" from the back of curb or the edge of pavement to the back of Right of Way.

The following depths and distances from the back of curb or edge of pavement shall be adhered to:

Utility	Depth	Distance
CATV	1' - 6"	2' - 6"
GAS	3' - 0"	4' - 4" (Opposite Side of Water)
PHONE	2' - 0"	6' - 2"
POWER	3' - 0"	8' - 0"
WATER	4' - 0"	4' - 4" (Opposite Side of Gas)

7. **60 feet Utility Corridor-** The width of the utility corridor is 14'-6" from the back of curb or the edge of pavement to the back of the right of the Right of Way.

The following depths and distances from the back of curb or edge of pavement shall be adhered to:

Utility	Depth	Distance
SHOULDER		2' 0"
SIDEWALK(if required)		5' 0" Wide
CATV	1' - 6"	8' 0"
GAS	3' - 0"	10' 0" (Opposite Side of Water)
PHONE	2' - 0"	12' 0"
POWER	3' - 0"	13' 0"
WATER	4' - 0"	4' 0" (Opposite Side of Gas)

8. 80 feet Utility Corridor- The width of the utility corridor is 28' from the back of curb or the edge of pavement to the back of the Right of Way.

The following depths and distances from the back of curb or edge of pavement shall be adhered to:

Utility	Depth	Distance
SHOULDER		6' 0"
CATV	1' - 6"	17' 6"'
GAS	3' - 0"	20' 6" (Opposite Side of Water)
PHONE	2' - 0"	23' 6"
POWER	3' - 0"	26' 6"
WATER	4' - 0"	17' 6" (Opposite Side of Gas)

General Information

1. At no time shall material be placed in curb or gutter lines. Material may be placed on roadways only when an approved lane closure is in place, and the material shall be removed in its entirety at the end of the working day and prior to removing the lane closure. This includes, but is not limited to, excavated soil or construction materials.

2. Every effort to prevent damage to asphalt, concrete or soil surfaces by equipment outriggers, buckets, tracks, tires, etc. and/or associated equipment fluids such as diesel fuel or hydraulic fluid shall be made at all times. The repair of this damage is the responsibility of the applicant.

3. The maximum length of an open trench is 150 linear feet unless approved by the City Engineer. All pits, trenches or cuts that when left unbackfilled create a safety hazard shall be backfilled daily. Temporary backfilling procedures for safety reasons will be considered at the discretion of the City Engineer. Steel plating of roadway trenches will be considered at the discretion of the City Engineer.

4. The Utility Protection Center (UPC) Georgia State Dig Law, commonly referred to as the "Georgia One Call System" shall be adhered to at all times.

5. Grassing, mulching and the implementation of Best Management Practices (BMP's) for the control of erosion and sediment shall be done in accordance with the "Manual for Soil Erosion and Sedimentation Control in Georgia", Current Edition.

6. Utility installation within longitudinal drainage ditch lines shall not be allowed unless approved by the City Engineer. If approved, a minimum cover of forty-eight (48) inches below the lowest point of the drainage ditch line will be required. Sanitary sewer line depths will be dictated by design requirements.

7. In wet areas where excavations for utility installations are conducted, Type II Foundation Backfill Material (#57 Stone) will be required as directed by the City Engineer.

8. All backfill in trench construction shall be compacted in lifts no more eight (8) inches, loose measured, spread and compacted uniformly. The backfill shall be compacted to 95% of the Maximum Laboratory Dry Density of the existing soil. The Maximum Laboratory Dry Density shall be determined from the Standard Proctor Test. Compaction efforts shall be conducted by mechanical means. A mechanical compactor and qualified operator shall be on site prior to

beginning any excavations. The mechanical compactor shall remain on site at all times during the backfilling operation.

9. All trenches and backfilled material shall be left in a condition such that surface runoff water will adequately drain and not collect.

10. Plowing to install utilities will be allowed but must be approved by the City Engineer.

11. Whenever applicable and possible, joint trenches to install utilities are recommended.

12. A representative from any utility company within an approved subdivision shall be at the designated preconstruction conference.

VII. Warranty Period

The Utility Company and/or applicant shall agree to an 18-month warranty period, which commences at the acceptance of the permitted work. During the 18-month warranty period the Utility Company and/or applicant is responsible for correcting any deficiencies, which are related to soil erosion control, backfill settlement, structure and mechanical failures, etc. Upon notification of a deficiency requiring correction, the Utility Company and/or applicant shall have three (3) calendar days to correct the deficiency unless approved by the City Engineer. Any deficiency creating a public safety hazard shall be corrected immediately.

In the event that the Utility Company and/or applicant fails to repair the deficiency in the designated time frame, the Utility Company and/or applicant shall agree to be responsible to the City of Augusta, Georgia for payment in full of the costs associated with repairing the deficiency. This may include, but is not limited to, the forfeiture of any previously approved financial securities.

VIII. Failure to Complete Work

In the event the Utility Company and/or applicant fails to complete the permitted work in a satisfactory manner, the Utility Company and/or applicant shall agree to be responsible to the City of Augusta, Georgia for payment "in the amount of twice" the costs associated with completing or repairing the deficiency. This can include, but is not limited to, the forfeiture of any previously approved financial securities.

IX. Emergency Permits

Emergency permits may be obtained from the City Engineer by telephone and must be verified in writing within twenty-four (24) hours, or the next working day, by the Utility Company and/or applicant. All requirements contained herein shall apply to emergency permits as deemed feasible by the City Engineer.

Article Update

These guidelines are to be reviewed and updated if necessary on a yearly basis by the Utilities Subcommittee of the Subdivision Review Committee. The review will be tentatively scheduled in June of each year beginning in June 2000.

XI. Appendix.

A. Application and Permit for Rights of Way Encroachment (Reference Only)
B. Utility Road Cut Details
C. Utility Corridor Details
D. Asphalt Overlay Details

Application and Permit for Right-of-Way Encroachment

WHITE ..... Application
YELLOW ..... Office
PINK ..... Field Engineer

BOND NO _____
PERMIT NO _____
UTILITY NO. _____
DATE WK. BEGAN _____
DATE WK. COMP. _____
TIME EST. _____

AUGUSTA ENGINEERING DEPARTMENT
ENGINEERING DIVISION

APPLICATION AND PERMIT FOR RIGHTS OF WAY ENCROACHMENT

To: **AUGUSTA ENGINEERING DEPARTMENT**
522 Greene Street
Augusta, Georgia 30901
(706) 821-1706 OFFICE
(706) 821-1708 FAX

Application is hereby made by _____

for permission to conduct the following described activity within the limits of the rights of way of AUGUSTA, GEORGIA:

DESCRIPTION OF ACTIVITY: _____

LOCATION: (Attach Location Map) _____

The activity described above is covered by this permit and shall be conducted in accordance with all current Augusta Municipal Codes, which shall include, but not be limited to, Title 7, Chapter 3, Article 3-Excavations, Article 4-Use of County Rights of Way, Article 5-Soil Erosion and Sediment Control, and the "RIGHTS OF WAY ENCROACHMENT GUIDELINES."

PERMIT requested this _____ day of _____ BY: _____
Applicant (Print)

☐ See attached detail for traffic control.

☐ Financial Security on file.

SPECIAL REQUIREMENTS
(Also see reverse side of permit)

_____
_____
_____
_____
_____
_____

_____
Applicant's Signature

_____
Applicant's Address

_____

_____ _____
Applicant's Telephone # 24 Hr. Emergency Phone #

_____
Subcontractor's Company Name

_____
Subcontractor's Name (Print)

_____
Subcontractor's Signature

_____
Applicant's Address

_____

_____ _____
Subcontractor's Telephone # 24 Hr. Emergency Phone #

APPROVAL RECOMMENDED BY:

_____
Utility Inspector Date

APPROVED BY:

_____
Augusta Engineer Date

PERMIT GRANTED to perform the above described activity in accordance with the applicable section of the printed rules and regulations are hereby made a part of this permit to be referenced thereto, this _____ day of _____, _____. This permit is to be strictly adhered to and no work other than that specifically described above is hereby authorized. Subsequent normal maintenance is excepted.

REQUIREMENTS APPLICABLE TO ALL PERMITS

SECTION I

1. The applicant is responsible for maintaining utilities and any costs associated with the relocation of said utilities. Any permitted work within 500 feet of a traffic signal or 100 feet of any ground-mounted street light shall require the applicant to contact Augusta Traffic Engineering at 706-821-1841 for a locate.

2. The applicant must provide proof of financial security in the amount of three thousand dollars ($3,000) for one (1) to three (3) active projects, five thousand dollars ($5,000) for four (4) to five (5) active projects, and ten (10) thousand dollar ($10,000) for six (6) or more active projects as approved by the Augusta Engineer.

3. The applicant shall agree to an 18-month warranty period on all work within Augusta rights of way, which commences at the acceptance of the permitted work.

4. No road or traffic lane may be blocked unless authorized by the Augusta Engineer or his authorized representative.

5. The Department of Engineering shall be notified at 706-821-1706 at least 24 hours prior to the beginning of any permitted activity, and as soon as practical after completion of the work.

6. The applicant, which includes, but is not limited to, the utility company and its subcontractors, shall maintain adequate traffic control per the Manual For Uniform Traffic Control Devices (MUTCD) and/or the Augusta Standards and Specifications. All safety features as necessary for public safety in the encroachment area shall be maintained at all times while work is in progress and for the active life of the permit. (i.e. Flaggers, barricades, lights, etc.)

7. All backfill shall be compacted to 95% of the maximum laboratory dry density, to within twelve (12) inches of the top of sub-grade. The top twelve (12) inches of the backfill shall be compacted to at least 100% of the maximum laboratory dry density. The top of subgrade is that elevation located immediately beneath all base and paving materials.

8. No roadways will be cut and all existing paved driveways shall be bored, unless otherwise authorized by the Augusta Engineer.

   (A) Road bores shall have a minimum cover of 48".

   (B) Jack or Bore entrance and exit pits shall be a minimum of three (3) feet from the edge of road/pavement or the back of curb. Distance will increase with the increase in pit depth.

9. No more than 150LF of trench shall be open at any time unless authorized by the Augusta Engineer.

10. Grassing, mulching and the implementation of Best Management Practices (BMP's) for the control of erosion and sediment shall be done in accordance with the "Manual for Soil Erosion and Sedimentation Control in Georgia," Current Edition.

11. Violations of the governing ordinance are punishable by penalties set forth in Municipal Code Title 7, Article 4, Section 7-3-30.

SPECIAL REQUIREMENTS APPLICABLE TO ALL CUTS

SECTION II

1. One lane of traffic flow shall be maintained at all times, unless otherwise authorized by the Augusta Engineer.

2. All road cut excavations shall be reconstructed per the "Utility Road Cut Detail."

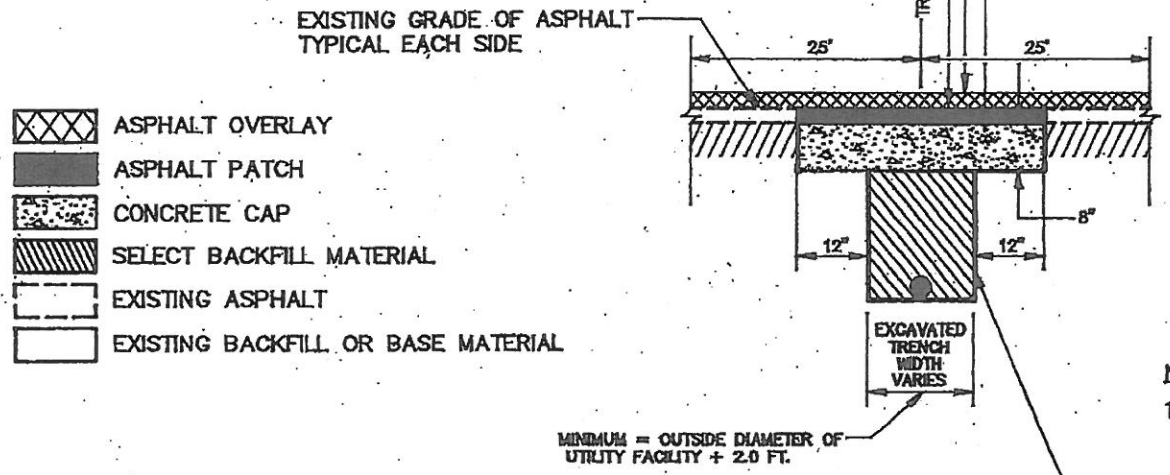
3. Sidewalks and driveways shall not be open cut unless otherwise authorized by the Augusta Engineer.

Utility Road Cut Detail

ASPHALT OVERLAY – ALL UTILITY ROAD CUTS WILL REQUIRE AN ASPHALT OVERLAY. THE MINIMUM WIDTH SHALL BE ONE (1) LANE WIDTH AND THE MINIMUM LENGTH SHALL BE FIFTY (50) FEET WHICH IS A MINIMUM TWENTY FIVE (25) FEET ON EACH SIDE OF THE CENTER OF THE UTILITY CUT. THE MINIMUM DEPTH OF THE ASPHALT OVERLAY SHALL BE ONE (1) INCH AFTER COMPACTION.

ASPHALT PATCH – ALL EDGES OF THE EXISTING ASPHALT SHALL BE SAWED VERTICALLY TO PROVIDE A CLEAN, NEAT SURFACE AND TACKED. THE MINIMUM DEPTH OF THE ASPHALT PATCH SHALL BE TWO (2) INCHES AFTER COMPACTION. THE FINISH GRADE OF THE ASPHALT PATCH SHALL MATCH THE EXISTING GRADE OF THE SURROUNDING ASPHALT AFTER PROPER ROLLING.

CONCRETE CAP – AN EIGHT (8) INCH THICK PORTLAND CEMENT CONCRETE, CLASS "A" OR BETTER, CONCRETE CAP, SHALL BE PLACED TWELVE (12) INCHES WIDER, EACH SIDE, THAN THE EXCAVATED TRENCH/DITCH. ALL EDGES SHALL BE SQUARED. ALL CONCRETE SHALL BE PROTECTED FOR TWENTY FOUR (24) HOURS AFTER PLACEMENT AND NO ASPHALT SHALL BE PLACED DURING THIS PERIOD. IF HIGH EARLY STRENGTH CONCRETE IS USE ASPHALT PATCHING WITHIN THE TWENTY FOUR (24) HOUR PERIOD WILL BE CONSIDERED BASED ON EARLY BREAK CYLINDERS OBTAINING A COMPRESSIV STRENGTH OF 3000 PSI. ALL COSTS ASSOCIATED WITH VERIFYING COMPRESSIVE STRENGTH SHALL BE BORNE BY THE APPILCANT.



BACKFILL – ALL BACKFILL SHALL BE COMPACTED IN LIFTS NO MORE THAN EIGHT (8) INCHES, LOOSE MEASURE, SPREAD AND COMPACTED UNIFORMILY. IN ALL CASES THE BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM LABORATORY DRY DENSITY, TO WITHIN TWELVE (12) INCHES OF THE TOP OF SUBGRADE. THE TOP TWELVE (12) INCHES OF THE BACKFILL SHALL BE COMPACTED TO AT LEAST 100% OF THE MAXIMUM LABORATORY DRY DENSITY. THE TOP OF SUBGRADE IS THAT ELEVATION LOCATED IMMEDIATELY BENEATH ALL BASE AND PAVING MATERIALS. THE MAXIMUM LABORATORY DRY DENSITY SHALL BE DETERMINED FROM THE STANDARD PROCTOR TEST. A MECHANICAL COMPACTOR SHALL BE ON SITE PRIOR TO BEGINNING ANY EXCAVATIONS. IN NO CASE WILL BACKFILLING WITH SAND, USING JETTING AND/OR FLOODING TO ACHIEVE COMPACTION, BE ALLOWED.

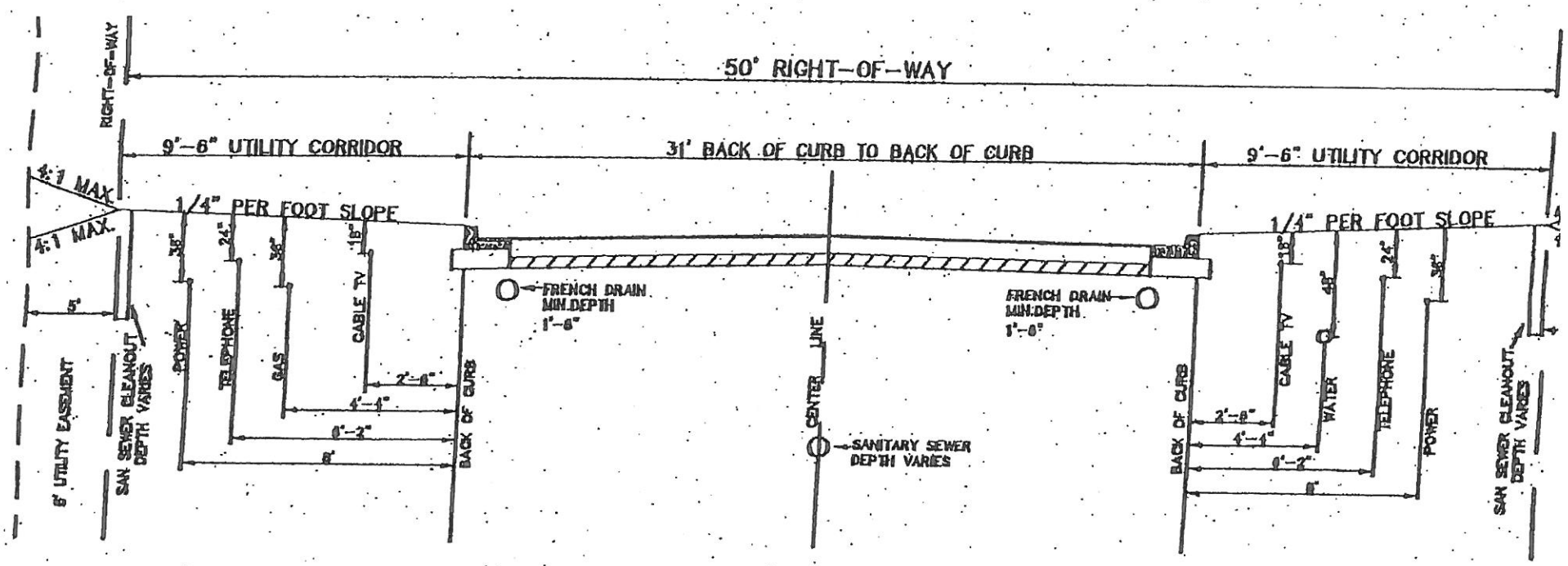
NOTES:

1. A MINIMUM ONE (1) HOUR ADVANCE NOTICE DURING REGULA WORKING HOURS (8:30a.m. TO 5:00p.m.), MONDAY THRU FRIDAY SHALL BE GIVEN PRIOR TO BEGINNING ANY BACKFILL OPERATION OR ANY CONCRETE OR ASPHALT PAVEMENT.
2. THE APPLICANT MUST OBTAIN PERMISSION FROM THE COUN ENGINEER BEFORE PLACING CONCRETE OR ASPHALT.
3. THIS DETAIL SUPERCEDES THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD 1401 – "PAVEMENT PATCHING DETAIL".
4. IN WET AREAS, TYPE II FOUNDATION BACKFILL MATERIAL (#57 STONE) WILL BE REQUIRED AS DIRECTED BY THE COUNTY ENGINEER.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE "AUGUSTA-RICHMOND COUNTY RIGHTS-OF-WAY ENCROACHMENT FOR UTILITIES ORDINANCE".

UTILITY ROAD CUT DETAIL

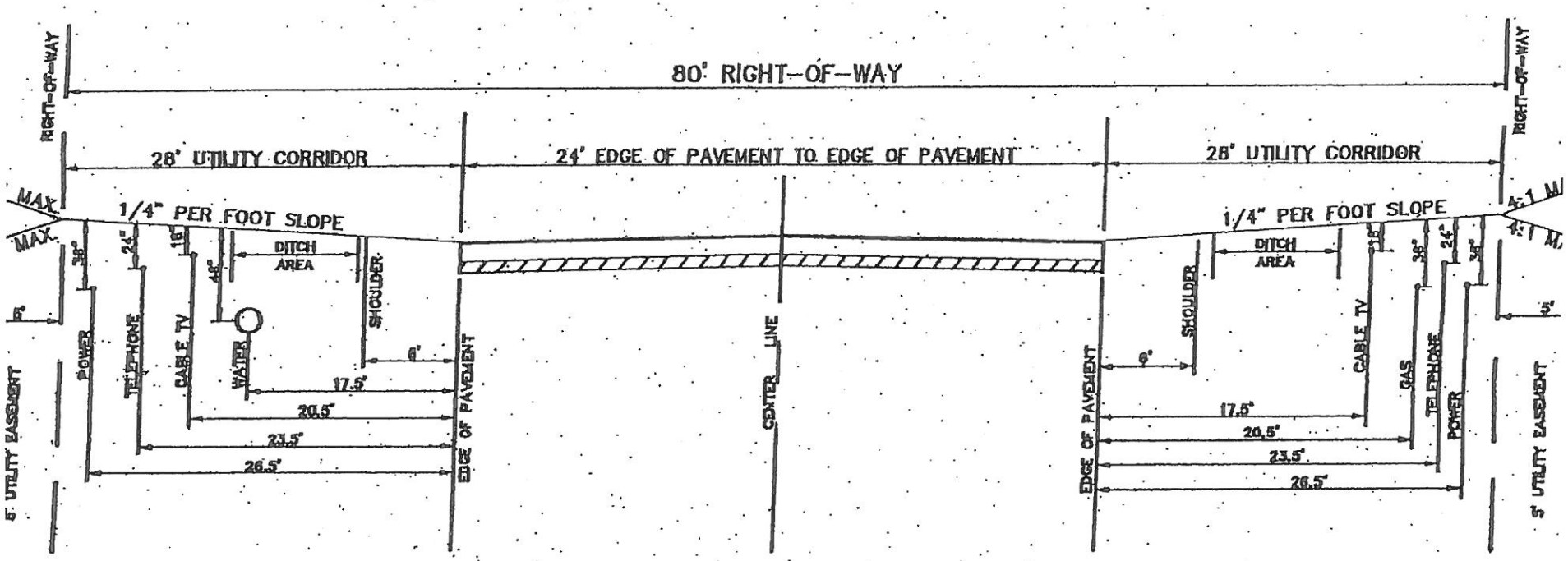
NOT TO SCALE

Utility Corridor Details



50-FOOT UTILITY CORRIDOR DETAIL

NOT TO SCALE

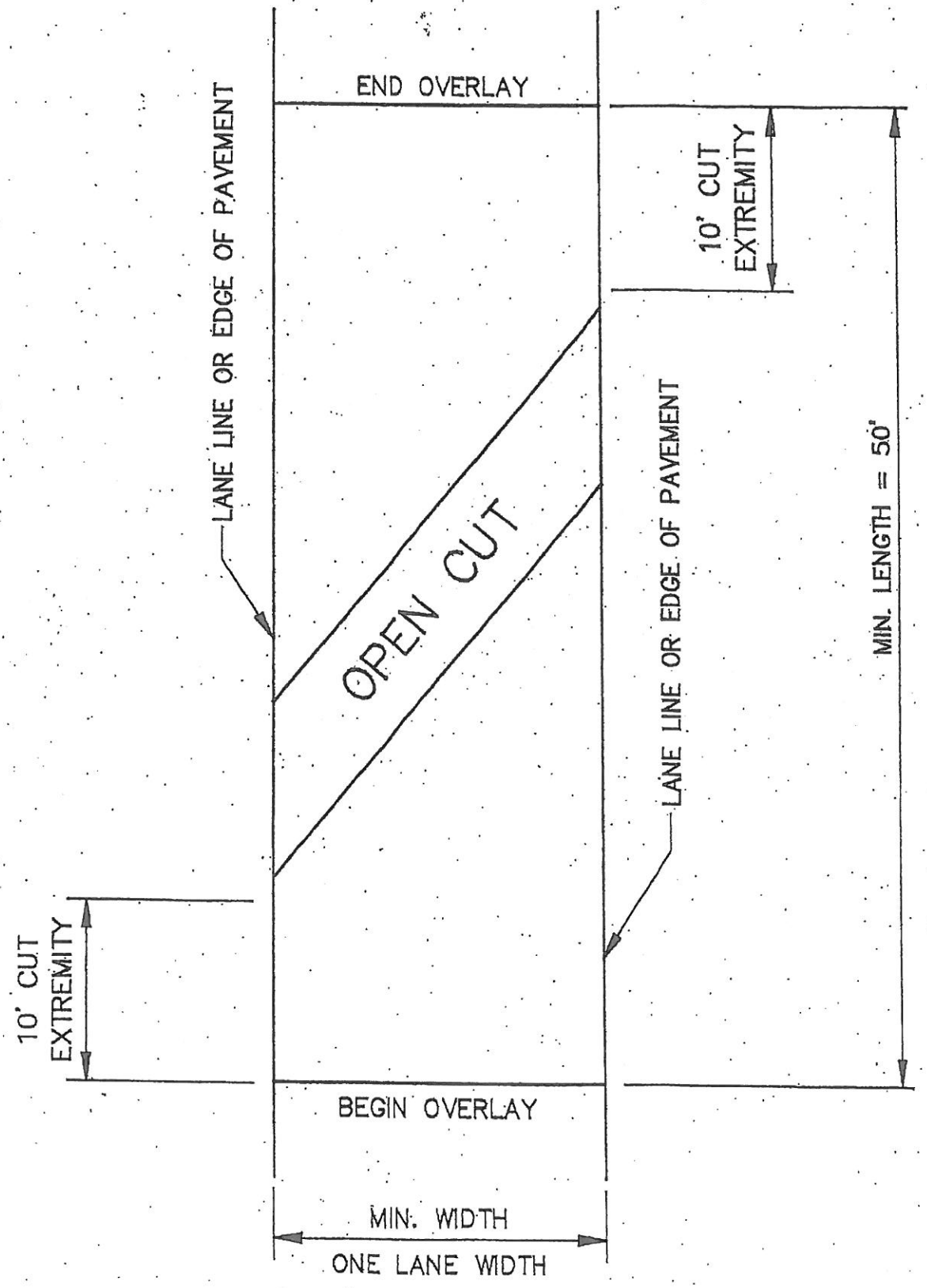


80-FOOT UTILITY CORRIDOR DETAIL

NOT TO SCALE

Asphalt Overlay Details

THE OVERLAY SHALL BE 50' IN LENGTH OR 10' BEYOND EACH CUT EXTREMITY WHICHEVER IS GREATER.

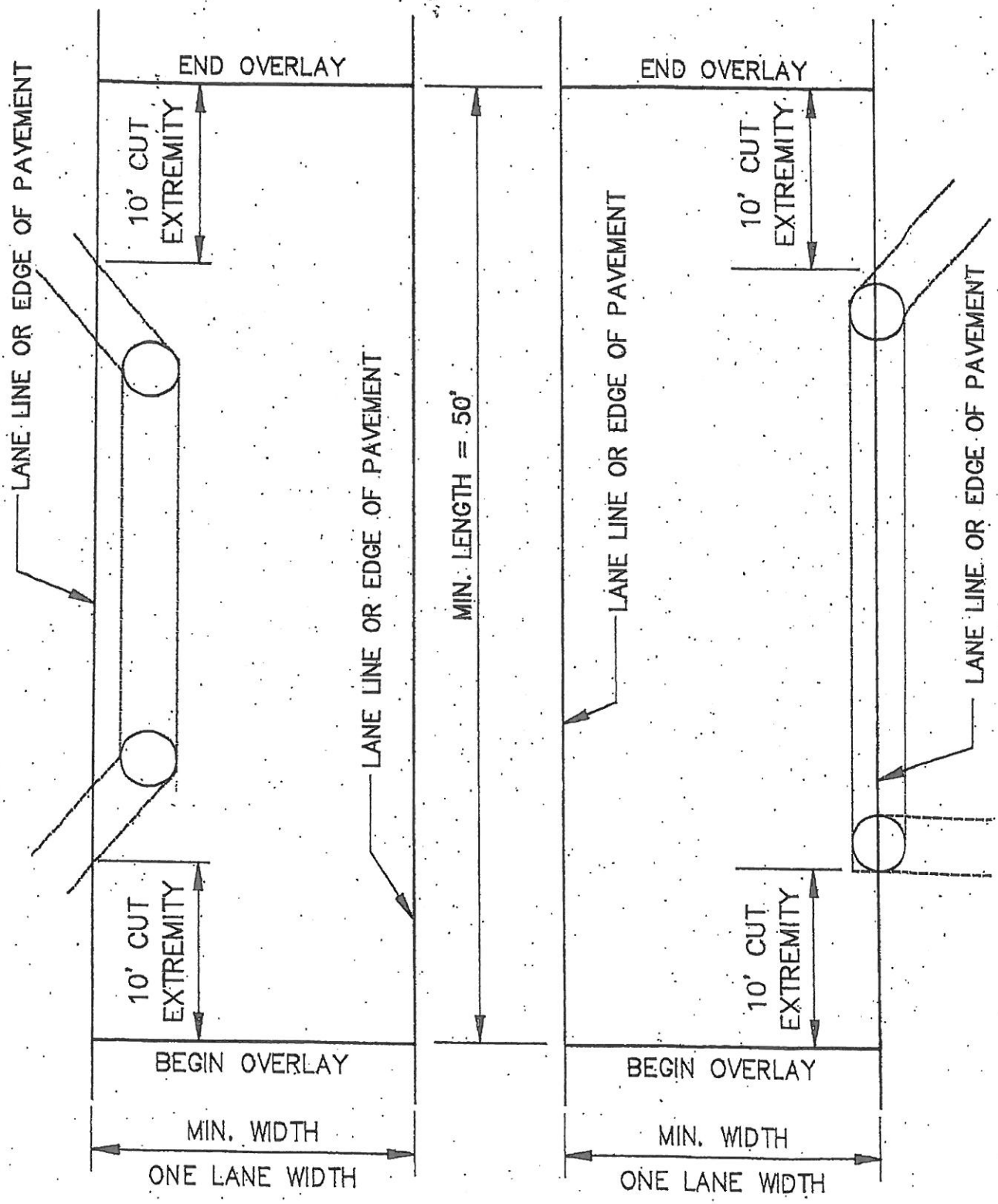


DIAGONAL ROAD CUT

NOT TO SCALE

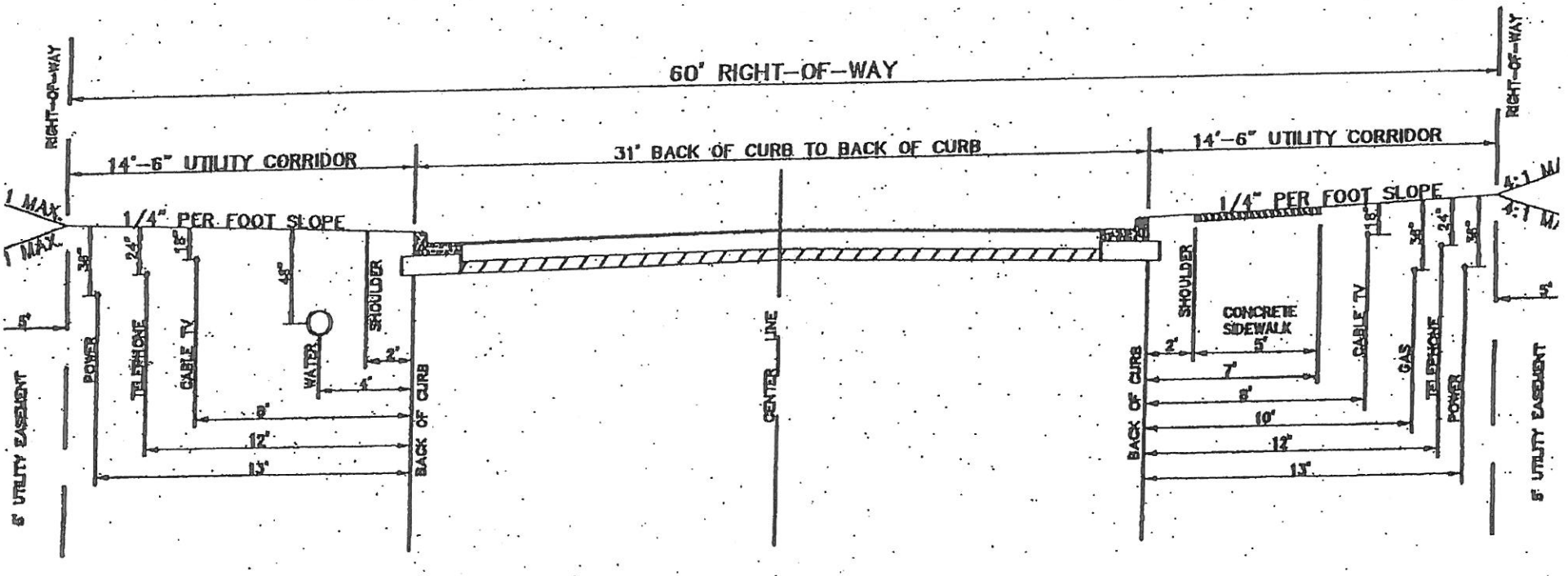
NOTE

THE OVERLAY SHALL BE 50' IN LENGTH OR 10' BEYOND EACH CUT EXTREMITY WHICHEVER IS GREATER.



LONGITUDINAL ROAD CUTS

NOT TO SCALE



60-FOOT UTILITY CORRIDOR DETAIL

NOT TO SCALE