

ORDER OF COMMISSIONERS COURT OF BEXAR COUNTY, TEXAS

REGULATIONS FOR THE CUTTING, ALTERING, RECONSTRUCTION OR REMOVAL OF ANY EXISTING CURB OR SIDEWALK TO CONSTRUCT A DRIVEWAY THAT PROVIDES ACCESS TO OR FROM ANY PRIVATE PROPERTY ADJACENT TO ANY BEXAR COUNTY ROAD OR STREET.

WHEREAS, V.A.T.S., Article 2351 authorizes the Commissioners Court of Bexar County, Texas to exercise control over Bexar County right-of-way; and

WHEREAS, the regulation of cutting, removing, altering or reconstructing curbs and sidewalks in Bexar County right-of-way will benefit the safety and welfare of the residents of Bexar County; and

WHEREAS, the Commissioners Court of Bexar County, Texas, has considered the matter and deems it appropriate to adopt regulations for the cutting, removing, altering or reconstruction of curbs and sidewalks in Bexar County right-of-way;

NOW THEREFORE IT IS ORDERED BY COMMISSIONERS COURT OF BEXAR COUNTY, TEXAS:

Any private individual, company or corporation desiring to cut, remove, alter or reconstruct any existing curbs or sidewalks along any County road or street for the purpose of constructing, reconstruction, altering or removing any driveway that provides access across Bexar County right-of-way for egress or ingress to their private property, shall first obtain a permit from the Bexar County Director of Public Works or his designated representative. Such permit to be granted hereafter only under the following conditions and specifications:

- (1) The permit must be obtained before any cuts shall be made in any existing curb, sidewalk and/or driveway access constructed across Bexar County right-of-way. Application for said permit shall be accompanied by a fee of \$35.00 for each driveway access to be constructed, and a development plan (2 copies) as hereinafter described. Checks for filing fee shall be made to "The Bexar County Clerk."
- (2) No permit shall be issued by the Bexar County Director of Public Works or his designated representative for a curb cut, sidewalk construction, access driveway and/or median crossover until the County Engineer and/or the Traffic Engineer has approved the site development plan.
- (3) The site development plan, submitted in duplicate, along with the permit request, shall be drawn to scale, and shall indicate (1) dimensions and locations of sidewalks driveways or median crossovers being requested, (2) locations of existing and proposed roads or roadway

intersections if within 100 feet of the site, (3) locations of existing or proposed buildings, structures, storm sewer inlets, fire hydrants, utility poles, fences and service fixtures, (4) radius dimensions, (5) driveway separation, and (6) name and telephone number of responsible party. If the site development plan is a part of a new building construction plan requiring a building permit, the Building Permit is a prerequisite to the issuance of the curb cut and/or driveway access permit.

CONSTRUCTION SPECIFICATIONS

- (4) All construction shall be performed in compliance with the following standards and specifications:
- I. Cutting and Replacing of concrete curbs:
 - a. Curbs shall be vertically cut with a concrete saw.
 - b. Reinforcing steel dowels (one #4 x 2' – 0" bar at each end of cut) shall be used to tie to the existing curb. Bar to be replaced at the center of the curb. Expansion joint will be provided at this cut between the old and the new curb.
 - c. Concrete for the curb replacement shall be minimum 2,500 P.S.I. in 28 days.
 - d. Replaced or new curb sections shall be finished to match existing curbs.
 - II. Cutting of existing and/or placing of new concrete sidewalks:
 - a. Walks shall be vertically cut with a concrete saw.
 - b. A complete section of walk shall be removed, backfill shall be well tamped prior to replacement or placement of new walks.
 - c. Reinforcing steel dowels (#4 x 2' – 0" bars spaced 18" on center) shall be used to tie to existing walk and for new walks at every expansion joint.
 - d. Expansion joints shall be provided for new sidewalks spaced at least every 20 feet, but no more than every 24 feet, along the full length of the sidewalk. Also, an expansion joint with dowels will be installed between sidewalk and driveway. Dummy joints will be provided every four feet for full length of sidewalks.
 - e. Sidewalks shall be four-inch minimum thickness.
 - f. Concrete for the sidewalk shall be reinforced with 6" x 6" x #12 gauge wire mesh placed at the vertical center of the sidewalk.
 - g. Concrete for the sidewalk shall be minimum of 2,500 P.S.I. in 28 days.

- h. Replacement sidewalk sections shall have a surface finish to match existing adjacent walks.
- i. New sidewalks shall have a broomed finish, with troweled edges and dummy joints every four feet.

III. Placing of Concrete Driveways:

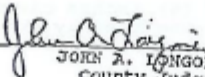
- a. Once the existing concrete curb and/or sidewalk has been removed from the proposed driveway opening, the asphalt road or street shall be vertically cut with a concrete saw for the full length of the opening, so as to provide a straight vertical face for the new depth of the concrete at this interface shall be at least 6 inches. A lip shall be provided at the juncture of the driveway ramp with the roadway. This lip shall have the thickness of a 2" x 4" piece of lumber secured flush with the sawed edge of the roadway (nominal height of 1 ½ inches).
- b. The width of driveways and radii at curb returns as well as other criteria and standards are detailed for each condition or situation on the attached summary of driveway regulations.
- c. Backfill shall be well tamped prior to placement of concrete driveway(s).
- d. Where driveway ties to an existing sidewalk, reinforcing steel dowels (#4 x 2' – 0" bars spaced at 18" on center) shall be used with an expansion joint at the interface.
- e. Driveway shall be six (6) inches minimum thickness at the interface with the roadway and for the ramp and may be reduced to a minimum of four (4) inches at the property line.
- f. Driveway shall be reinforced with #4 bars in both directions tied in a 12-inch grid and placed so as to be in the vertical center of the driveway after concrete is laid.
- g. Concrete for the driveway placement shall be minimum 2,500 P.S.I. in 28 days.
- h. Driveway sections shall have a broomed surface finish with troweled rounded edges and at all joints. Dummy joints will be provided at least every 20 feet for the full length and width of the driveway.

(5) Each party making the curb cut and/or placing a concrete access driveway across County right-of-way to that party's property shall be responsible for maintaining the replaced curb, sidewalk and/or driveway for a period of one (1) year.

(6) Notice shall be given to Bexar County Director of Public Works before any concrete is laid. In no case shall a replaced curb, sidewalk and/or driveway be poured without the presence of a representative of the Bexar County Director of Public Works, unless authorized by the County Engineer or his designated representative.

- (7) The cutting of curbs in existing medians and/or the placement of crossovers or crossovers with vehicle storage lanes shall require the same permit procedure and specifications as curb cuts and/or for access driveway. Permit fee for crossover construction shall be \$75.00 for each crossover. Checks should be made payable to "Bexar County Clerk."
- (8) This permit is given subject to the right of the Commissioners Court of Bexar County, Texas, when said Commissioners Court deems it necessary to demand removal and/or relocations of any installed curb, sidewalk, driveway and/or median crossover in, along or across any County right-of-way in Bexar County, Texas, within thirty (30) days of notice of such demand.

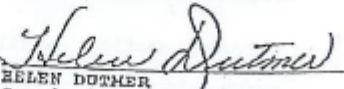
PASSED AND APPROVED THE 30TH DAY OF OCTOBER, 1991.


JOHN A. LONGORIA
County Judge


ROBERT TEVEDA
Commissioner Precinct 1

ABSENT
PAUL BLIZONDO
Commissioner Precinct 2


WALTER EIBELSTEIN
Commissioner Precinct 3


HELEN DUTMER
Commissioner Precinct 4.

**BEXAR COUNTY INFRASTRUCTURE SERVICES DEPARTMENT
PUBLIC WORKS DIVISION**

TRAFFIC CONTROL REQUIREMENTS FOR ALL PERMITS TO INSTALL UTILITIES OF ANY KIND WITHIN BEXAR COUNTY RIGHT-OF-WAY ARE APPROVED BASED UPON ONE OF THE FOLLOWING REQUIREMENTS. THE APPROPRIATE COMMENT WILL BE INDICATED AT THE BOTTOM OF THE PERMIT, INITIALED AND DATED BY THE TRAFFIC SAFETY REPRESENTATIVE.

COMMENT 1: All road crossings will be bored. No open cuts will be permitted on any paved roadway, curb, sidewalk, or driveway. Contractor will furnish and maintain all required traffic control devices, including flagmen when necessary, per Texas Manual on Uniform Traffic Control Devices (TMUTCD) and as directed by Engineer, to properly warn, guide, and control traffic at all times during construction.

COMMENT 2: For all road crossings, Contractor will maintain at least one (1) 12-foot traffic lane, controlled with flagmen, during working hours and open the roadway up to two (2) traffic lanes (24 ft.) during all non-working hours. Contractor will furnish and maintain all required traffic control devices, per TMUTCD and as directed by Engineer, to properly warn, guide, and control traffic at all times during construction.

COMMENT 3: Contractor will furnish and maintain all required traffic control devices, including flagmen when necessary, per TMUTCD and as directed by Engineer, to properly warn, guide, and control traffic thru or around the construction area at all times during construction.

COMMENT 4: When a driveway culvert is required, the minimum pipe size for the culvert shall be 15 inches, unless determined in the field or during the permit review that a larger diameter pipe is required. Larger pipes will be required if existing culverts in the vicinity of the proposed driveway are larger.

UTILITY ONLY
INFRASTRUCTURE SERVICES DEPARTMENT
PUBLIC WORKS DIVISION

PERMIT NO. _____ DATE: _____, 20__

Permission is hereby requested to install the following activity within the public right-of-way of Bexar County:
(Circle Only One)

Gas Line	Sewer Line	Cable	Telephone/Communication Line
Electric Line	Water Line	Irrigation	Stormwater Line

Address (Street, Road, or Lot/Block#): _____

Subdivision: _____ Ferguson Map #: _____ Grid #: _____

The activity shall be done in accordance with the regulations of Court. DigTess # _____

POLICIES AND PROCEDURES

- All cables or lines to be installed under streets shall be bored with a **MINIMUM** cover of **30 inches**.
- All trenching for laying water, sewer, gas pipes, or other utilities in the right-of-way not installed under pavement shall have at least **30 inches** of cover.
- Notify the Inspection Section at 210-335-6700 with permit number at least 24 hours before starting the activity. No inspection shall be made without a permit.
- Permit expires six (6) months from the date of approval.
- Permit fee is non-refundable. No consideration shall be made for duplicate permits.
- Contractor will furnish and maintain all required traffic control devices, per Texas Manual on Uniform Traffic Control Devices (TMUTCD), to properly warn, guide, and control traffic at all times during construction.
- Any deviation from the above Polices and Procedures shall be approved by Development Services before applying for a permit.
- Property owner shall be responsible for the maintenance of the driveway approach and sidewalks.
- All damaged pavement shall be reconstructed to existing or better condition. Limits of reconstruction shall be determined by the Development Services Engineer or Inspector.

Approved and permission granted:

Date

Bexar County Official

Permit Fee: _____

Inspection Date: _____

Inspected By: _____

Applicant

Address

City State Zip

Phone

Receipt No.

REMARKS: THE CONTRACTOR, UTILITY COMPANY, OR OWNER WILL BE RESPONSIBLE FOR ALL COST ASSOCIATED WITH THE CORRECTION OF UNSATISFACTORY WORK IF THE WORK MUST BE CORRECTED BY BEXAR COUNTY.

COMMENTS: SEE ATTACHED SPECIFICATIONS; _____

**BEXAR COUNTY INFRASTRUCTURE SERVICES DEPARTMENT
PUBLIC WORKS DIVISION**

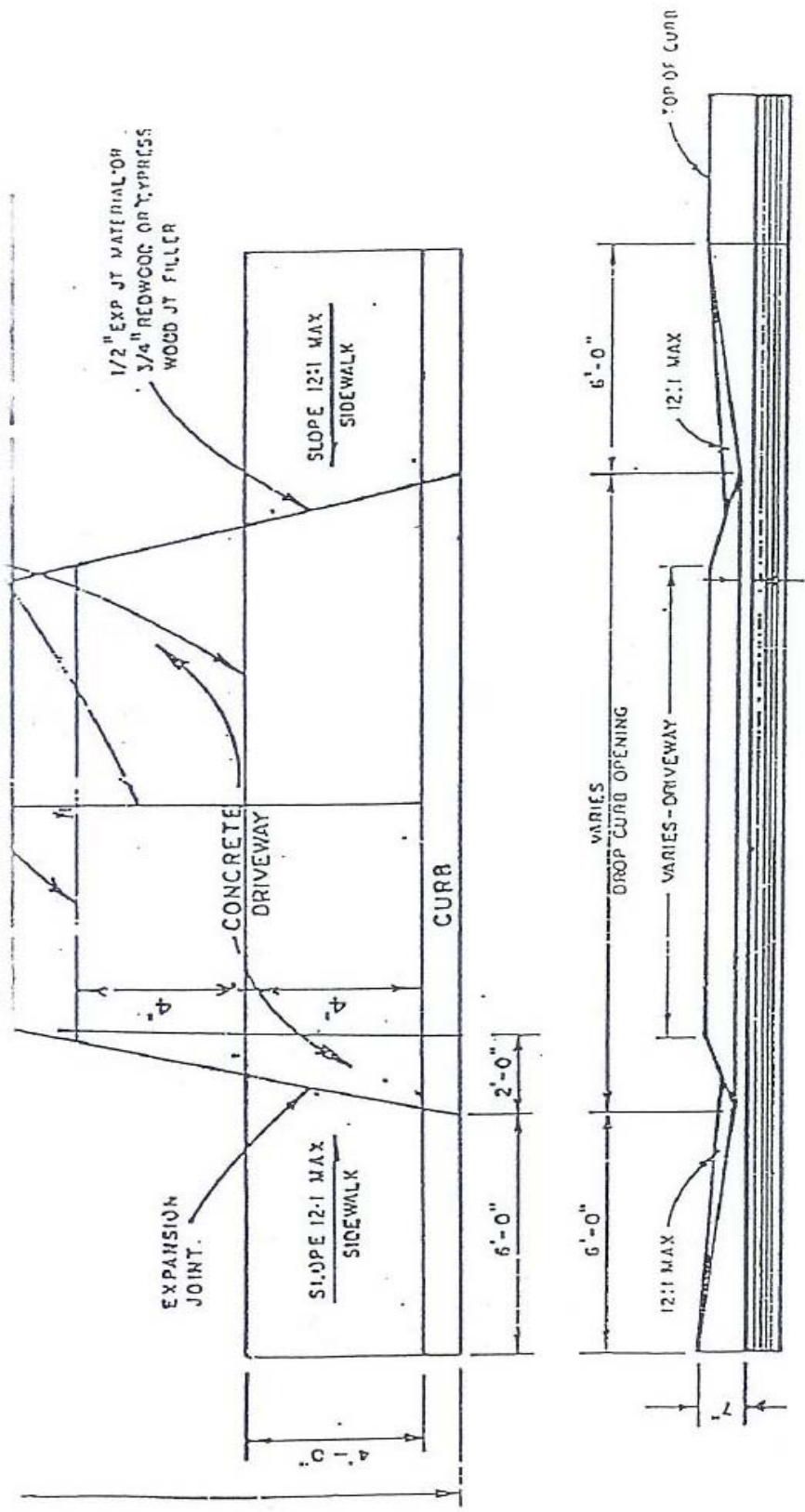
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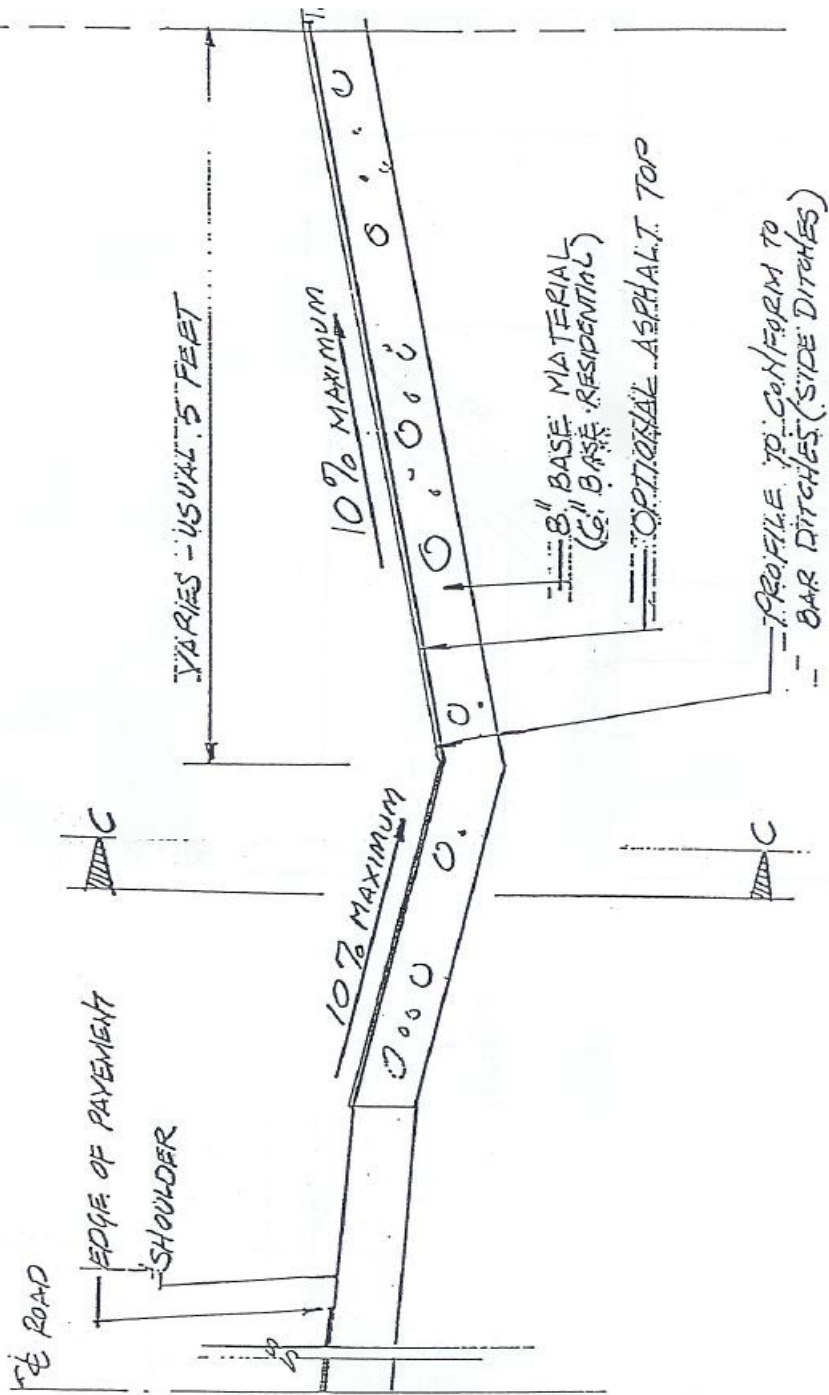
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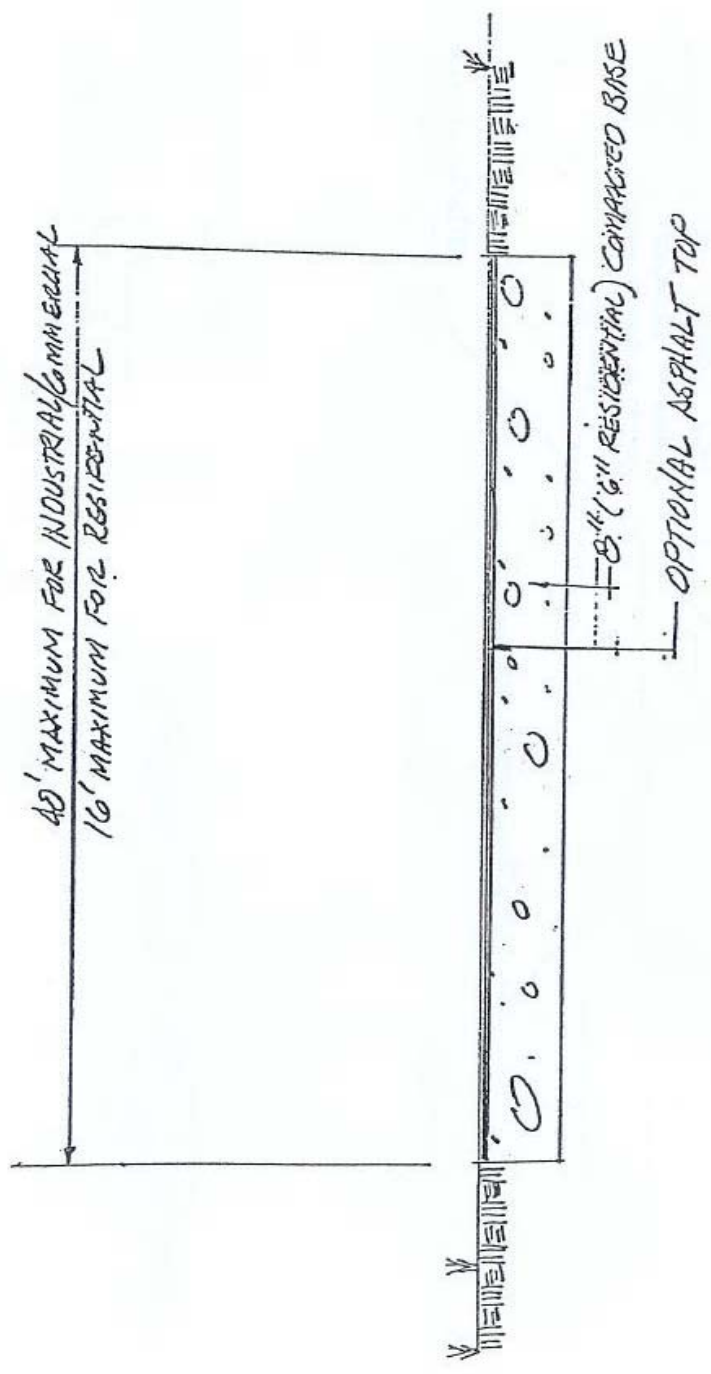
TYPICAL DRIVEWAY DETAILS
(WHERE SIDEWALK ABUTS CURB)

* PROPOSED DRIVEWAYS ARE TO MATCH EXISTING SIZES, BUT NOT TO EXCEED 30' AT THE PROPERTY LINE UNLESS AUTHORIZED BY THE CITY TRAFFIC ENGINEER.

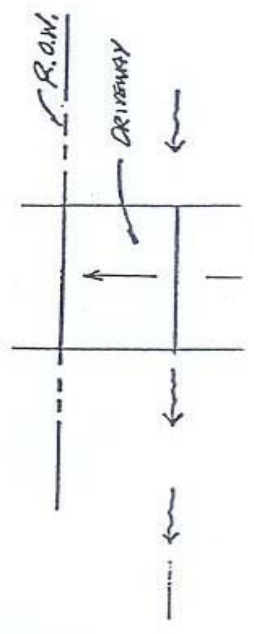


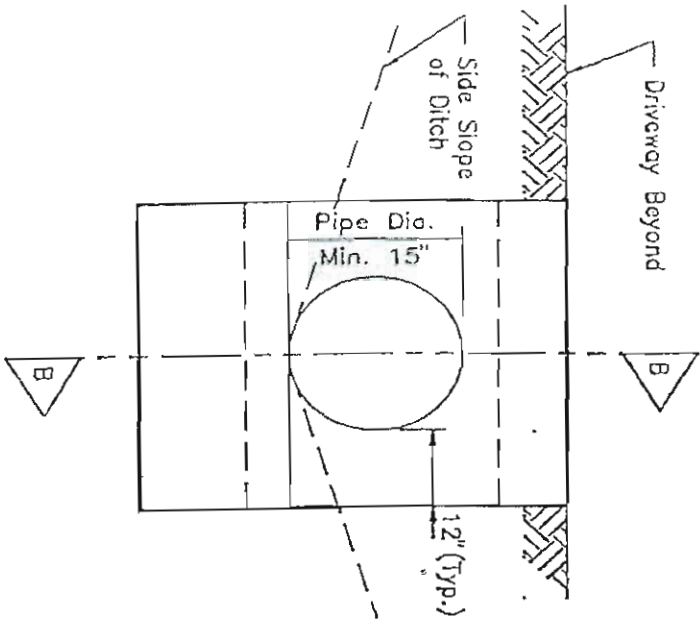
TYPICAL RURAL DRIVEWAY WITHOUT CULVERT SECTION

NTS

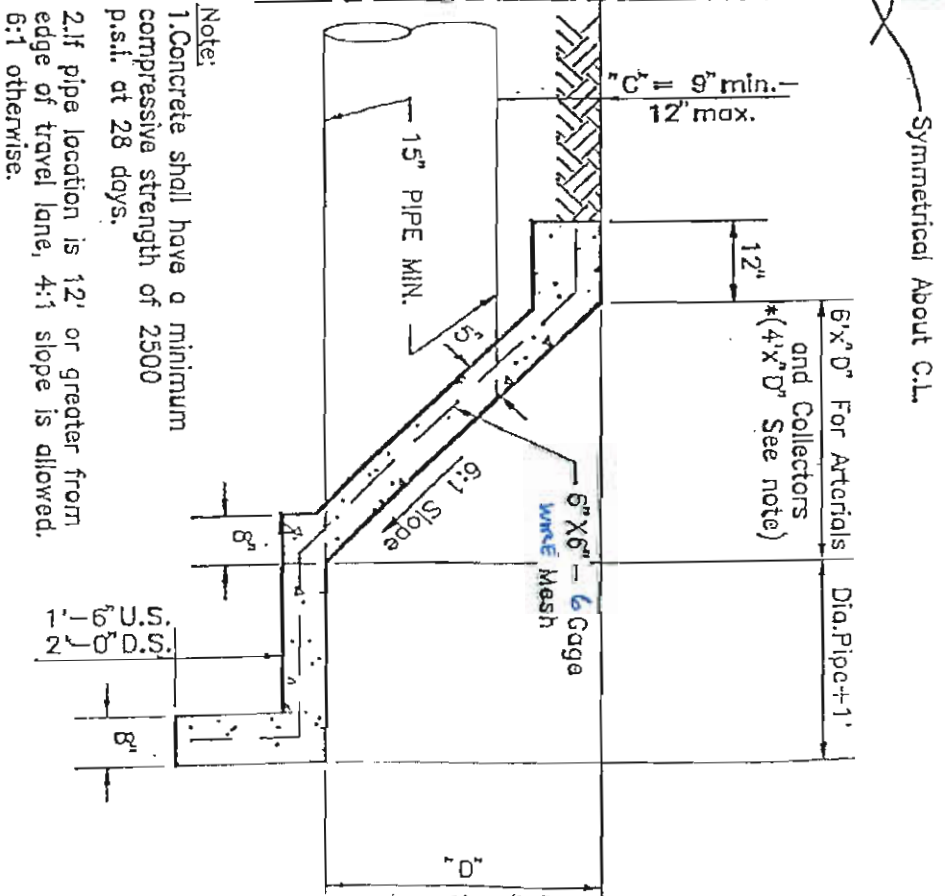


C-C DRIVEWAY SECTION
 NTS





END VIEW



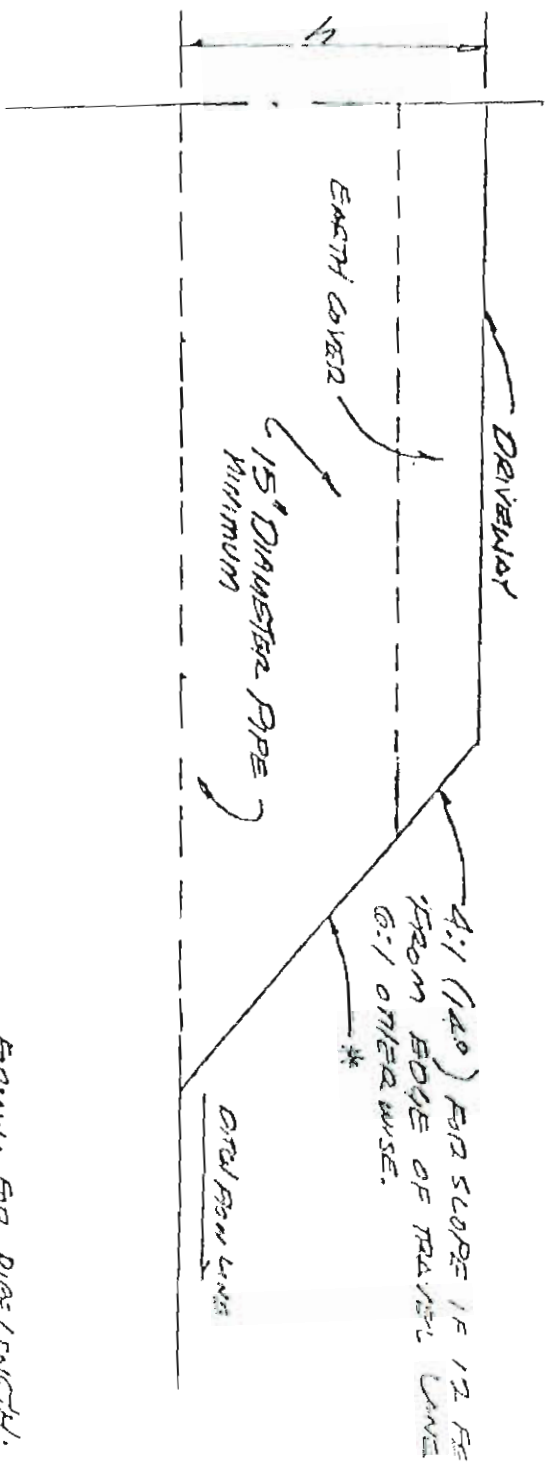
SECTION "B-B"

Note:

1. Concrete shall have a minimum compressive strength of 2500 p.s.i. at 28 days.
2. If pipe location is 12' or greater from edge of travel lane, 4:1 slope is allowed, 6:1 otherwise.

DETAILS FOR CONCRETE END TREATMENT

Section
Symmetrical about
center



SECTION THIRD DRIVEWAY
NOT TO SCALE

FORMULA FOR PIPE LENGTH:
 $L = \text{width of DRIVEWAY} + 2 \times d \times h$
 WHERE d IS IN FEET.

* SLOPE SHALL BE ACCOMPLISHED BY USING CONCRETE RIPRAP PIPE SHALL BE CUT TO FIT SLOPE.

ITEM 502

CONCRETE SIDEWALKS AND DRIVEWAYS

This item shall govern for concrete sidewalks and driveways, composed of Portland Cement concrete, constructed as herein specified on an approved subgrade, in conformity to the lines, grades, and details shown on the plans or as established by the Engineer.

MATERIALS:

1. Concrete: All concrete for sidewalks shall conform to the provisions of Item 300, "Concrete (Class B)". All concrete for driveways shall conform to the provisions of Item 300, "Concrete (Class A)".
2. Reinforcing Steel: All reinforcing steel shall conform to the provisions of Item 301, "Reinforcing Steel".
3. Welded wire Flat Sheets: All welded wire fabric shall conform to the provisions of Item 303, "Welded Wire Flat Sheets".
4. Expansion Joint Materials: All expansion joint materials shall conform to the provisions of Item 304, "Expansion Joint Materials".
5. Membrane Curing Compound: All membrane-curing compound shall conform to the provisions of Item 305, "Membrane Curing".
6. Exposed aggregate sidewalks: Natural Aggregate: All natural aggregate (fine and coarse) shall be obtained from a "Medina River Source" or other similar source. These aggregates shall be of a tan to brown color so as to impart an "earth-tone" color. Samples of the aggregates shall be submitted prior to construction for approval by the City.

CONSTRUCTION METHODS:

The subgrade shall be excavated and shaped to the lines, grades, and cross sections shown on the plans, or as directed by the Engineer, and shall be thoroughly compacted. A cushion, 2-inch (50 mm) minimum thickness, or crusher screenings, gravel, crushed rock, or flex base

material shall be spread, wetted thoroughly, tamped, and leveled. The cushion shall be moist at the time the concrete is placed. If the subgrade is undercut, or the natural ground is below "top of subgrade" then necessary backfill shall be made with approved material and compacted with a mechanical tamper. Hand tamping will not be permitted.

Where the subgrade is rock or gravel, 70% of which is rock, the 2-inch (50 mm) cushion need not be used. The Inspector will determine if the subgrade meets the above requirement. Forms shall be of metal or well-seasoned wood or a section satisfactory to the Inspector; clean, straight, free from warp, and of a depth equal to the thickness of the finished work. All forms shall be securely staked to line and grade maintained in a true position during the depositing of concrete. Before concrete is placed, forms shall be thoroughly oiled with a light form oil.

Expansion joint material, ½-inch thick (13 mm) shall be provided at intervals not to exceed 50 feet (15 m) and where the new construction abuts the existing curbs or driveways, if the Inspector deems it necessary. The expansion joint material shall be placed vertically and shall extend the full depth and width of the concrete.

A minimum of two (2) round smooth dowel bars 3/8-inches (10 mm) in diameter and 18-inches (457 mm) in length shall be spaced 18 inches (457 mm) apart at each expansion joint. Nine inches (229 mm) of each dowel shall be thoroughly coated with hot oil asphalt or greased, so that it will not bond to the concrete. Approved types of slip joints may be used in lieu of coating ends of dowels.

Sidewalks shall be marked with transverse “dummy” joints as shown on detail sheets, by the use of approved jointing tools.

Concrete sidewalks and driveways shall be reinforced as shown on the plans. Reinforcement for sidewalks shall consist of either one (1) layer of 6' x 6" – W2.9 x W2.9 welded wire flat sheets or No. 3 (3/8") (10 mm) reinforcing steel placed not more than 18 inches (457 mm) on centers both directions. Reinforcement for driveways shall consist of either one layer of 6" x 6" – W5 x W5 welded wire flat sheet or No. 3 (3/8") (10 mm) reinforcing steel placed not more than 12 inches (305 mm) on centers both directions. All reinforcement shall be placed equidistant from the top and bottom of the concrete. Care shall be exercised to keep all steel in its proper position during the depositing of concrete. Splices in wire fabric shall conform with the requirements set forth in Item 303, “Welded Wire Flat Sheets”. Splices in the No. 3 bars shall have a minimum lap of 12 inches (305 mm).

Reinforcing for commercial driveways shall consist of either one (1) layer of 6' x 6" – W10 x W10 welded wire flat sheets or No. 4 (1/2") (12 mm) reinforcing steel placed not more than 12 inches (457 mm) on center both directions. The concrete slab will be a minimum of 6 inches (152 mm) thick or as shown on the plans.

Concrete shall be placed in the forms and spaded, tamped, and thoroughly compacted until mortar entirely covers the surface and has a monolithic finish. The top surface shall be floated and troweled to a uniform smooth surface, then finished with a camel hair brush or wood float to a gritty texture. The outer edges and joints shall be rounded with approved tools to the radii shown on the plans.

Finish for Exposed Aggregate Sidewalks: Wash concrete surface after initial set with stiff bristle brush and water to remove matrix and clean each piece of exposed coarse aggregate. Unless otherwise acceptable to the Inspector, perform washing and brushing 304 hours after casting. Care shall be taken to uniformly expose about a third of each piece of coarse aggregate, removing no more of the matrix than necessary to achieve a uniform exposure of coarse aggregate across the panel surface and as required to achieve appearance similar to adjacent existing work. After seven days, follow

with a final cleaning with a mild acid solution and a final rinsing with clear water.

Immediately after finishing, the surface shall be protected by a membrane-curing compound, or by wetted cotton or burlap mats. Either method shall be subject to approval by the Inspector.

All necessary excavation for the sidewalk section will be considered incidental work pertaining to this item, and will not be paid for directly. The adjacent excavation and grading of the slopes shall be done in a manner acceptable to the Inspector.

MEASUREMENT:

Accepted work performed as prescribed by the item will be measured by the square yard (square meter) of surface area of concrete.

PAYMENT:

The work performed as prescribed by this item will be paid for at the contract unit price bid per square yard (square meter) for “Concrete Sidewalks” or “Concrete Driveways”, which price shall be full compensation for preparing the subgrade; for furnishing and placing all materials, including all reinforcing steel and expansion joint materials, and for any other materials, manipulation, labor, tools, equipment, and incidentals necessary to complete the work. Filling and grading of the slopes, adjacent to the completed concrete sidewalks and/or driveways will be paid as subsidiary work under Item 104, “Excavation”.

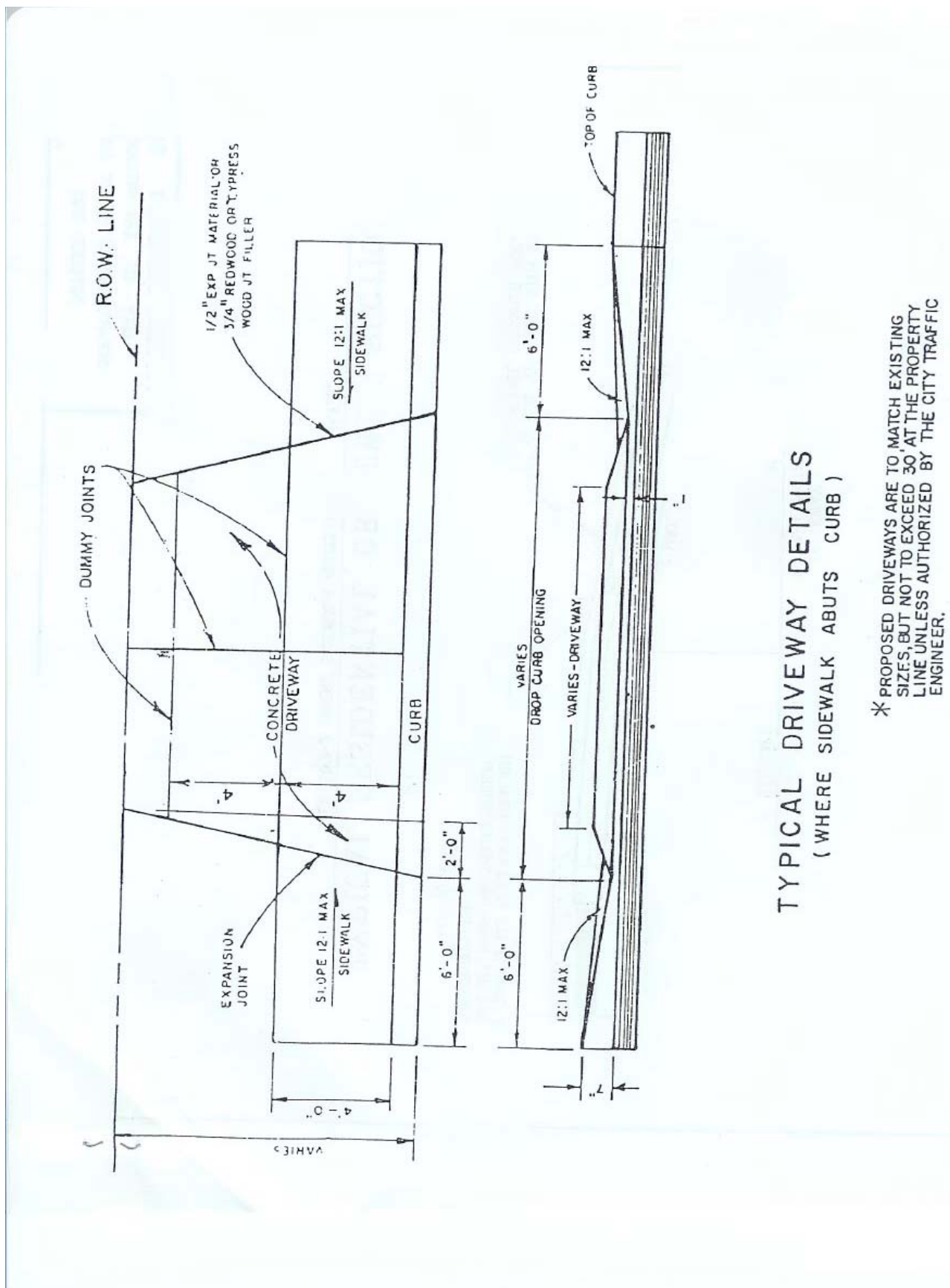
BID ITEMS:

Item 502-1: Concrete Sidewalks – per square yard (square meter).

Item 502-2: Concrete Driveway – per square yard (square meter).

Item 502-3: Commercial Driveway – per square yard (square meter).

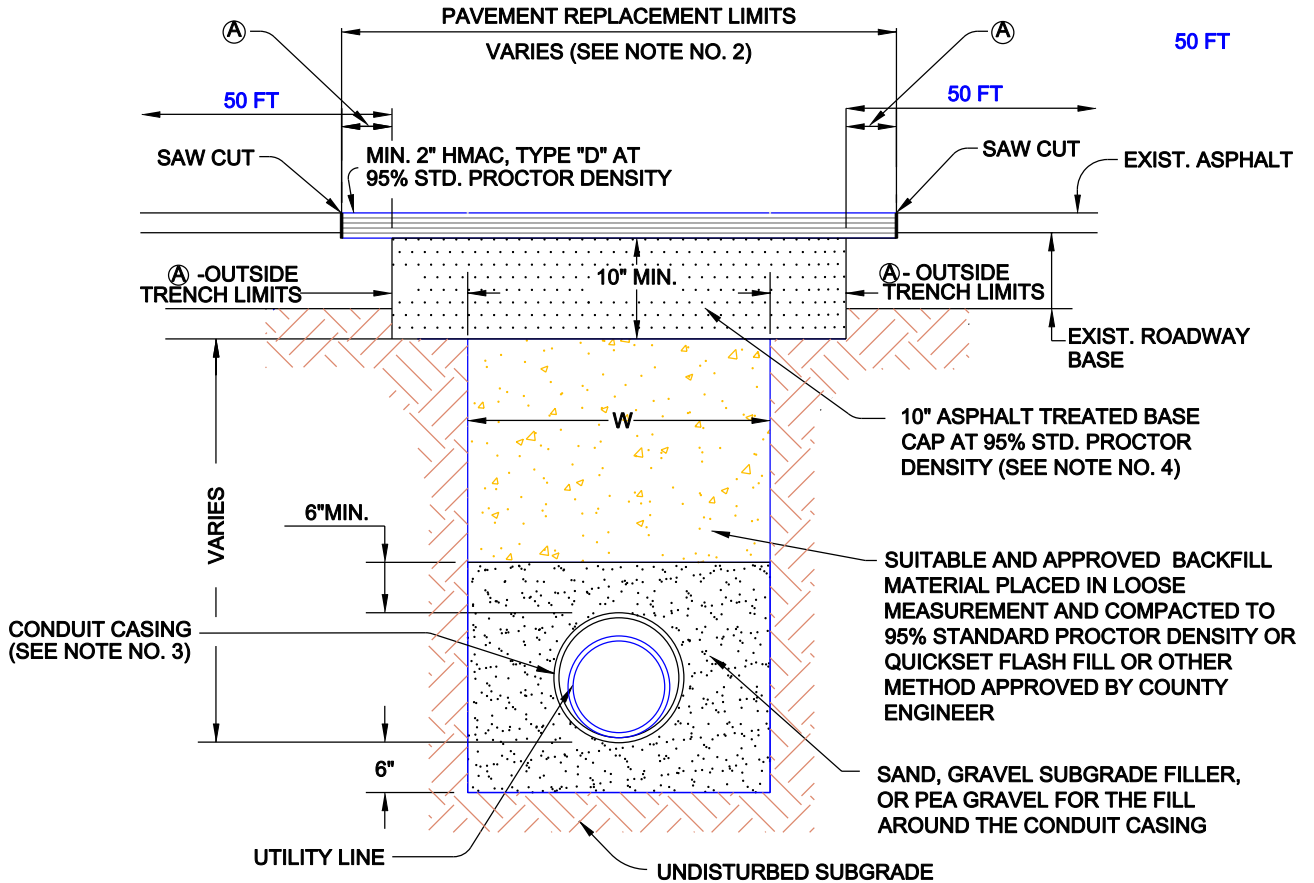
Item 502-4: Exposed Aggregate Sidewalk – per square yard (square meter).



TYPICAL DRIVEWAY DETAILS
(WHERE SIDEWALK ABUTS CURB)

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STREET CUT REPAIR DETAIL W/O SEAL COAT



TRENCH WIDTH	A (FEET- NO GEOGRID)*
≤3'	1
>3' - ≤6'	2
>6' - ≤9'	3
>9'	W / 3 **

*SEE NOTE 7

**ROUNDED TO NEAREST FOOT

NOTES:

- ALL UTILITIES WILL BE BORED UNDER EXISTING PAVEMENT. ONLY AT THOSE LOCATIONS AT WHICH IT IS PHYSICALLY IMPOSSIBLE TO BORE WILL THE PAVEMENT BE ALLOWED TO BE CUT AND RESTORED ACCORDING TO THIS DETAIL.
- THE LIMITS OF THE PAVEMENT REPLACEMENT WILL BE DETERMINED AT THE TIME A PERMIT IS REVIEWED AND MUST BE SAW CUT STRAIGHT. TACK OIL AT A RATE OF 0.10 GAL/SY SHALL BE PLACED PRIOR TO PLACEMENT OF 2" HMAC TYPE "D" FINISHED SURFACE. LONGITUDINAL ROADWAY CUTS WILL BE PAVED WITH THE CLOSEST LINE EXTENSION OF THE EXISTING PAVEMENT EDGE AS A MINIMUM.
- CONDUIT CASING TO BE PROVIDED AND INSTALLED BY UTILITY COMPANY FOR ALL UTILITIES, EXCEPT FOR SANITARY SEWER GRAVITY LINES AND NATURAL GAS SERVICE LINES. MATERIAL TO BE USED SHALL BE DUCTILE IRON (FOR DEPTH LESS THAN OR EQUAL TO 36"), SCHEDULE 40 PVC PIPE (GREATER THAN 36" DEEP), OR APPROVED EQUAL BY COUNTY ENGINEER. THE CONDUIT CASING SHALL EXTEND A MINIMUM OF FIVE FEET OUTSIDE THE EDGE OF SHOULDER OR CURBING DEPENDING ON FUTURE EXPANSION OF STREET WIDTH.
- A 10" THICKNESS OF ASPHALT TREATED BASE, BENCHED A FEET EACH SIDE OF TRENCH, WILL BE USED FOR THE FINAL LIFT OF THE TRENCH REPAIR. THE ASPHALT TREATED BASE, PLACED IN 5" LIFTS, SHALL BE BROUGHT UP TO WITHIN 2 INCHES OF THE EXISTING PAVEMENT SURFACE.
- THE UTILITY COMPANY WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE STREET CUT THEREAFTER UNTIL AND IF THE COUNTY REMOVES THE STREET CUT THROUGH RECONSTRUCTION.
- SEAL COAT, TO BE DETERMINED AT THE TIME OF PERMIT REQUEST, SHALL BE EXTENDED A MINIMUM OF 50 FEET EACH DIRECTION FROM THE EDGE OF PAVEMENT REPLACEMENT FOR THE FULL WIDTH OF THE STREET. NEW PAVEMENT MUST BE MILLED & REPLACED 50 FT EACH DIRECTION.
- WHEN GEOGRID OR OTHER GEOSYNTHETIC SUBGRADE/BASE REINFORCEMENT IS PRESENT, THE CONTRACTOR SHALL CONDUCT EXCAVATION TO PROVIDE APPROPRIATE OVERLAP (2' MIN.) AND TIE TO EXISTING UNDISTURBED REINFORCEMENT AS REQUIRED BY MANUFACTURER FOR EACH LAYER OF REINFORCEMENT ENCOUNTERED.