



**QUICK REFERENCE GUIDE
FOR**

DRIVEWAY APPROACH

GEOMETRIC DESIGN AND CONSTRUCTION DETAILS

**Community Development
Department**

**THE SCHEMATICS WITHIN ARE ALL EXTRACTED FROM THE
"CITY OF WEATHERFORD DRIVEWAY AND PARKING LOT DESIGN MANUAL"
DATED JUNE 1985**

SECTION B

Section B.1 Geometric Design Criteria

The following criteria shall be met and followed in the design and construction of driveways within the City of Weatherford:

(a) Table of general design criteria.

REQUIREMENT	RESIDENTIAL	APARTMENTS	COMMERCIAL	INDUSTRIAL
Minimum Width (Throat) ¹	10 feet	20 feet	20 ft. (2 way) 16 ft. (1 way)	20 ft. (2 way) 16 ft. (1 way)
Maximum Width (Throat) ¹	24 feet	35 feet	40 feet	45 feet
Minimum Curb Radius	5 feet	10 feet	10 feet	10 feet
Maximum Curb Radius	10 feet	20 feet	30 feet	30 feet
Minimum Distance Between Driveways (Stand-up Curb)	25 ft. on same lot ²	25 feet	25 feet	25 feet
Driveway Angle ³	90°	90°	45°-90°	45°-90°
Minimum Curb Return Distance ⁴	10 feet	10 feet	10 feet ⁵	10 feet ⁵

Notes:

- (1) Width measured at right angles to the driveway centerline.
 - (2) Ten (10) feet diameter between lots minimum; but may be tangent to street curb line.
 - (3) Angle of driveway between street curb and property line with respect to street centerline.
 - (4) Stand-up curb distance from intersection curb return to beginning of driveway curb return.
 - (5) On Thoroughfare and/or collector streets, or on other streets that are planned to be widened, this distance may be increased as needed by the Director of Public Works.
- (b) The entrance and exit from a circular residential driveway shall be from the same street. Entrance from one street with exit to another street shall not be permitted.
- (c) The maximum number of driveways permitted shall be two (2) per first one hundred (100') feet of property line frontage, and one (1) per each two hundred (200') feet of frontage thereafter.

Section B.2 Minimum Frontage Requirements

The frontage of the property for which a driveway access is required must be at least two (2) times the minimum driveway width unless there is only one access available, in which case this restriction is waived. If more than one access is available, requests for driveway access will be granted for those not violating this restriction.

SECTION D
CONSTRUCTION SPECIFICS

Section D.1 Construction Liability, General

The Grantee shall perform all work and pay all costs in connection with the construction of any driveway and their appurtenances on the right-of-way. All work shall be subject to inspection and approval of the Building Official.

Sectin D.2 Construction Details, Specific

All driveways shall be paved with concrete from the street curb line to the property line. The following minimum construction requirements shall be met in the installation of any driveway on their appurtenances on the right-of-way.

REQUIREMENTS	DUPLEXES OR SINGLE FAMILY RESIDENTIAL	APARTMENTS, COMMERCIAL, OR INDUSTRIAL
Concrete Thickness	5 (five) inches minimum 1 layer 6-gauge mesh 2 layers 10-gauge mesh	6 (six) inches minimum
Reinforcing Steel	#3 bars on 12" centers	#4 bars on 12" centers

All construction shall be subject to inspection and approval of the Building Official.

Section D.3 Construction Details, Diagrams

1. Specifics as to reinforcing steel placement and driveway slab thickness/ elevation requirements for a typical driveway are shown on Illustration F, page 17. Requirements for barricading around driveway construction are shown on page 11.
2. Driveway approaches constructed behind laydown curb & gutter will be "keyed" into the curb & gutter using 1/2" dowel pins on 24" centers. A 45° corner flare may be used in lieu of the five (5) foot radius normally used on standard driveway approaches (see page 18(a)).

Section D.4 Materials

All materials used in construction of a driveway on the right-of-way shall be of satisfactory quality and shall be subject to approval of the City Engineer/ Public Works Director.

Section D.5 Restricted Areas

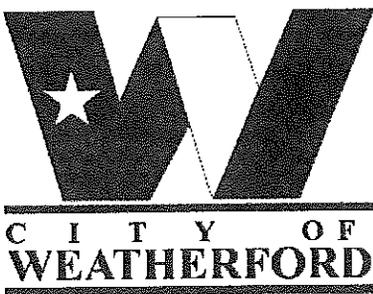
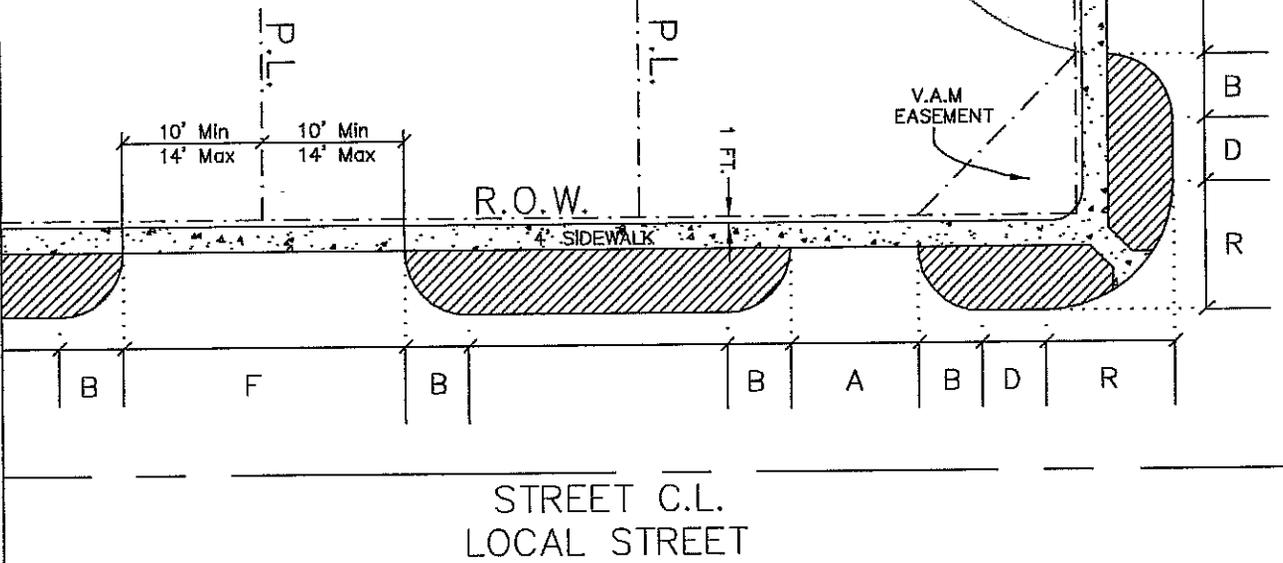
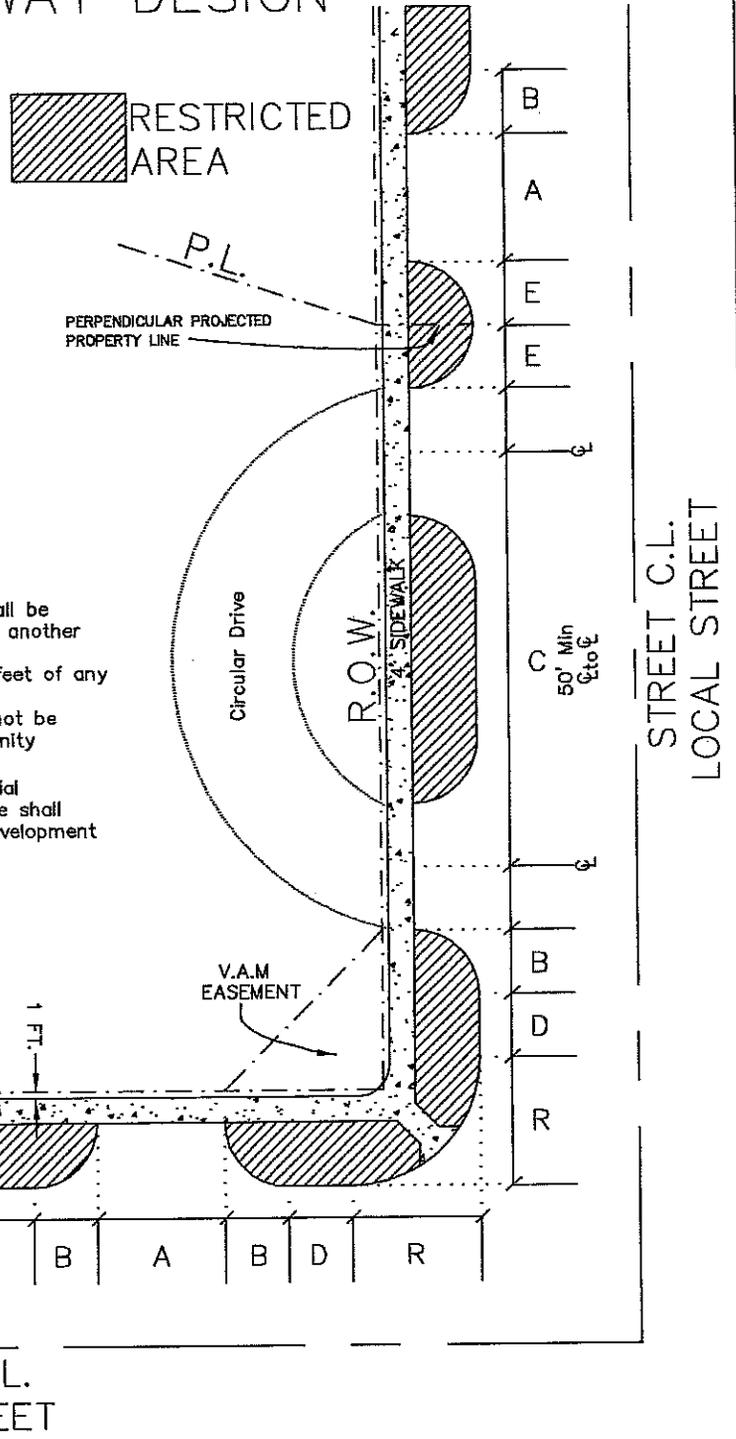
All parts of the street right-of-way between the street curb or shoulder pavement and the parallel property line along the Grantee's property frontage, except the areas contained in driveways, shall be defined as restricted areas. Internal and street curbs shall be installed by the Grantee as may be deemed necessary by the Director of Public Works or the City Engineer to prohibit vehicle parking and access in restricted areas. Internal curbs shall be concrete, asphalt, or masonry barrier type curbs, not less than six (6) inches in height. These internal curbs shall be continuously poured in place or shall be attached to the pavement in an

RESIDENTIAL DRIVEWAY DESIGN

DIMENSION	MINIMUM	MAXIMUM
A	10'	24'*
B	5' R	10' R
C	50'	—
D	10'	—
E	5'	—
F	20'	28'
R	20'	—

Notes:

1. The entrance and exit from a circular residential driveway shall be from the same street. Entrance from one street with exit to another street shall not be permitted.
 2. No portion of any driveway shall be located within four (4') feet of any fire hydrant, electrical pole, or any surface public utility.
 3. Driveways onto thoroughfare and/or collector streets shall not be permitted without written approval of the Director of Community Development Department or his designate.
- * A maximum throat width of 30' shall be allowed for residential structures with a three car garage only. All others a variance shall be requested and approved by the Director of Community Development Department.

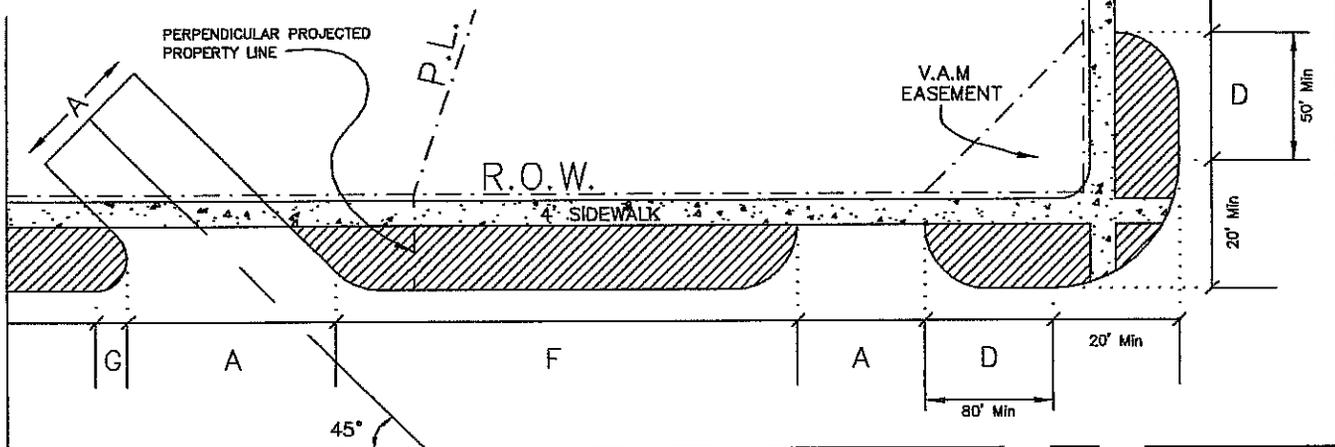


COMMUNITY DEVELOPMENT

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 DATE: 5-22-06
 Approved By:
 FIG. TBL. 6-4 (A)

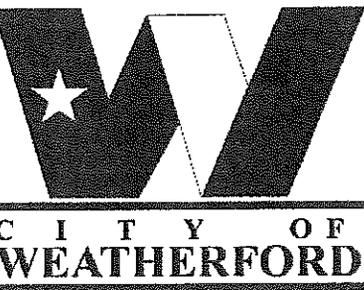
COMMERCIAL DRIVEWAY DESIGN

DIMENSION	MINIMUM	MAXIMUM
A	16'(ONE WAY) 20'(TWO WAY)	40'
B	10' R	30' R
C	Local 50' Collector 100'	—
D	Local 50' Major Col. 80'	—
E	5'	—
F	100'	—
G	5' R	10' R



STREET C.L.
MAJOR COLLECTOR

STREET C.L.
LOCAL STREET / MINOR COLLECTOR



COMMUNITY DEVELOPMENT

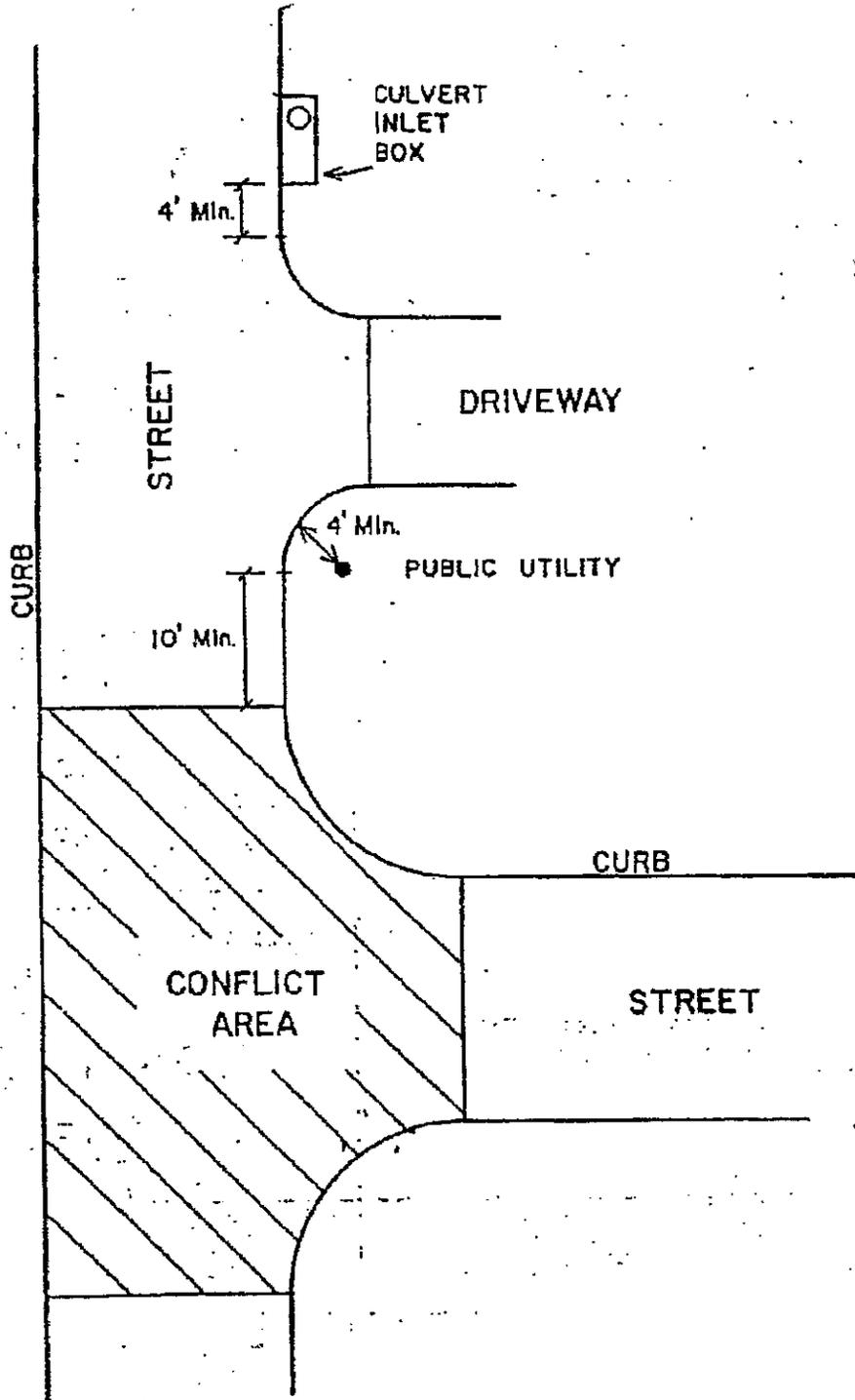
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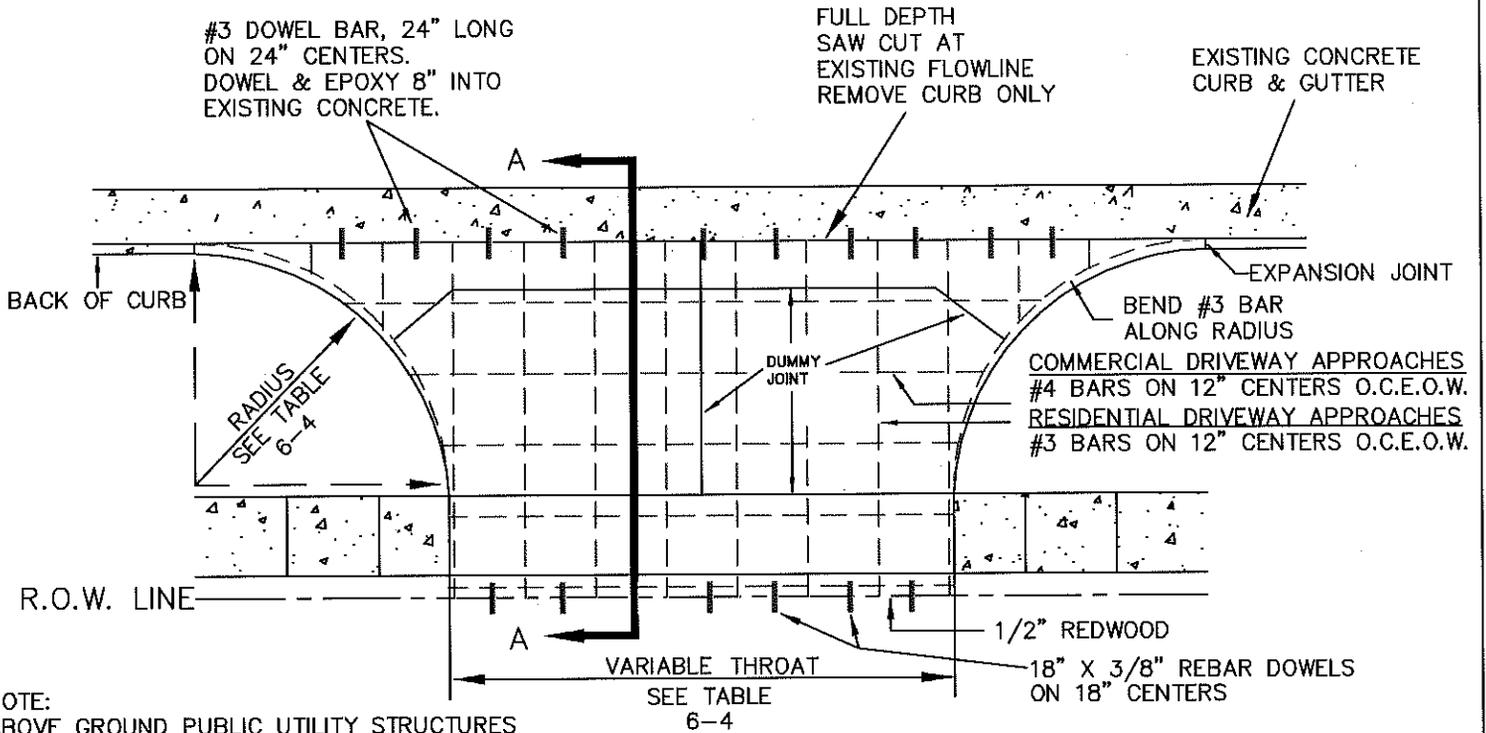
Approved By:

FIG. TBL. 6-4

ILLUSTRATION E: INTERSECTION DETAIL, UTILITY DETAIL

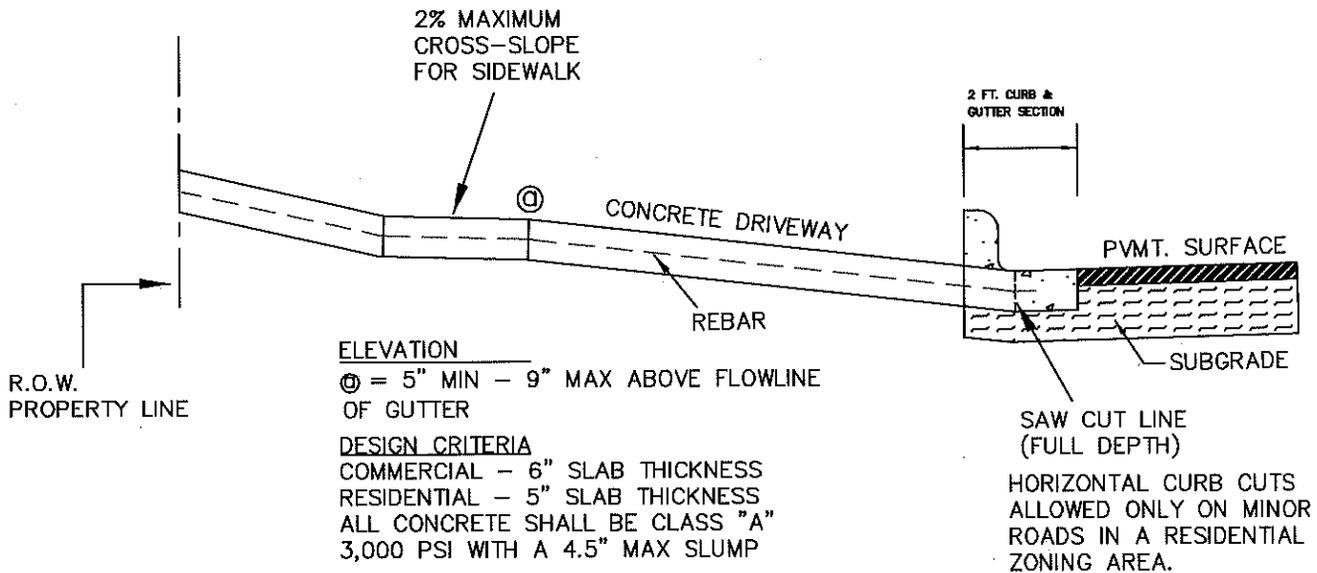


TYPICAL DRIVE APPROACH



NOTE:
 ABOVE GROUND PUBLIC UTILITY STRUCTURES SHALL BE A MINIMUM DISTANCE OF 4 FEET FROM THE DRIVEWAY APPROACH RADIUS.

SECTION A-A



COMMUNITY DEVELOPMENT



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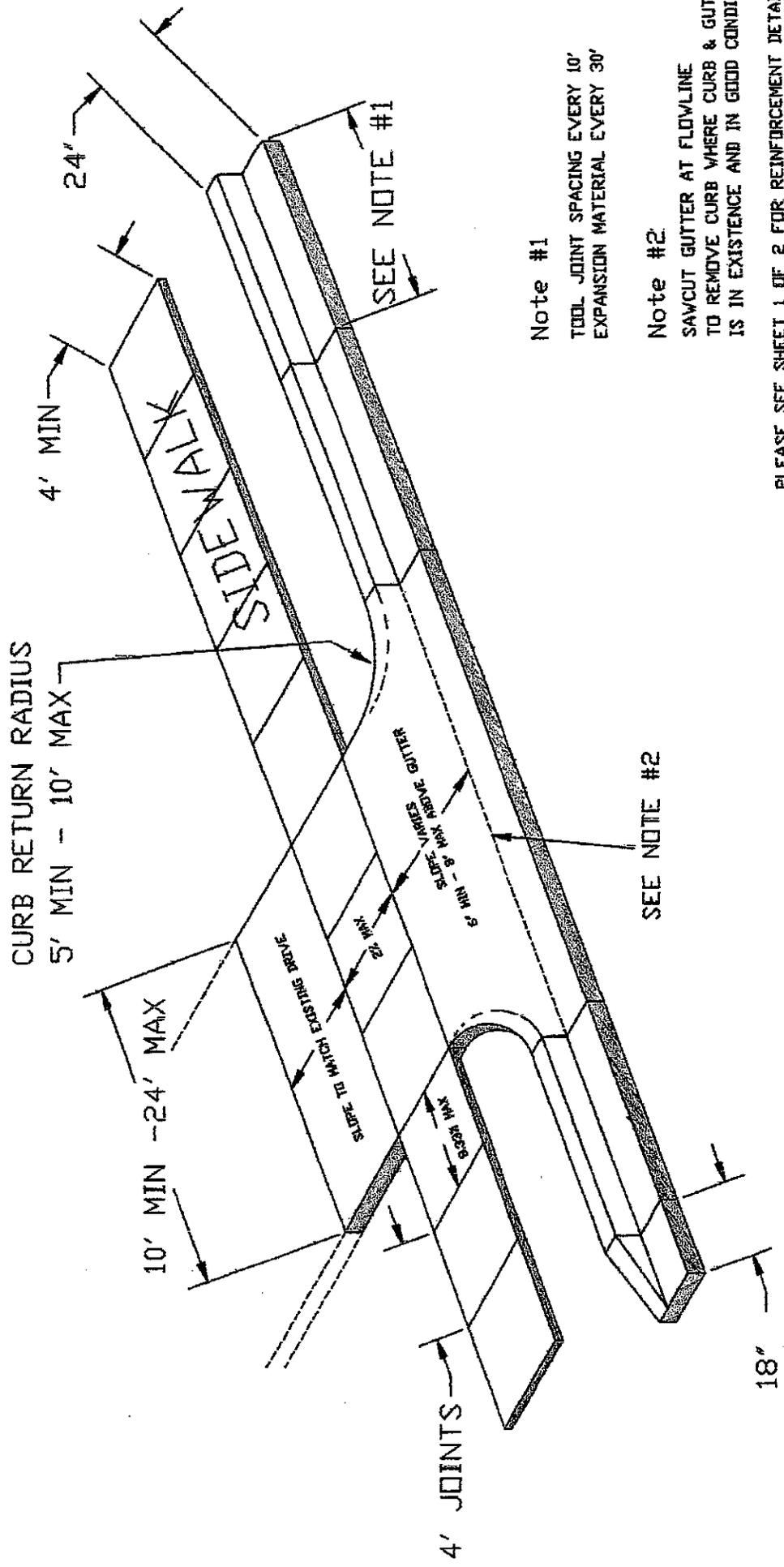
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STD - 3.1

TYPICAL DRIVEWAY APPROACH

TYPICAL DRIVEWAY APPROACH RESIDENTIAL ONLY

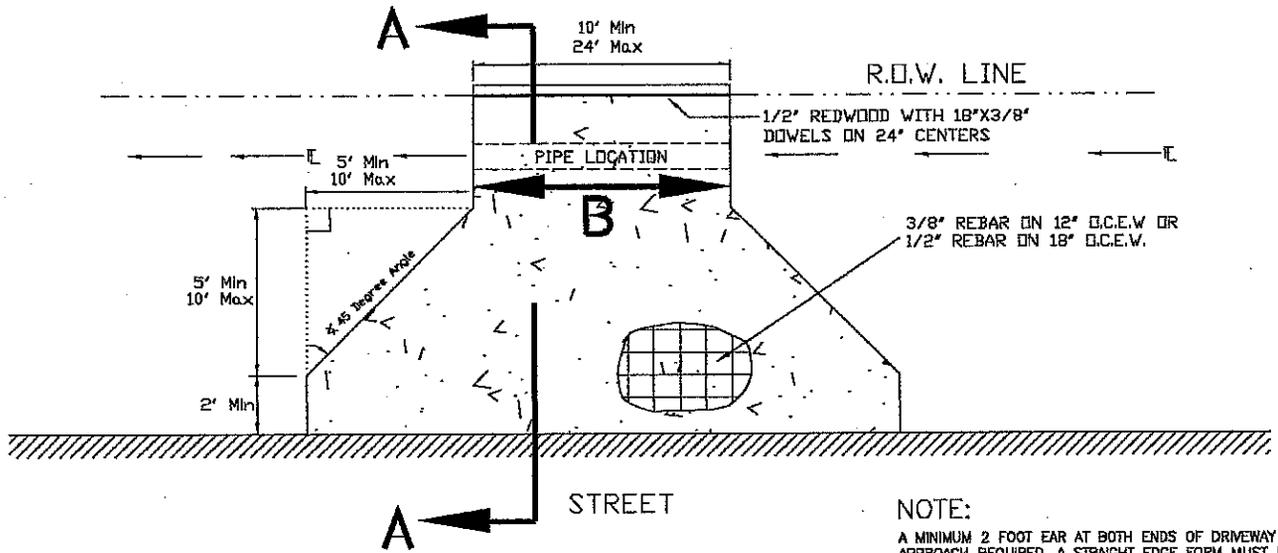


Note #1
 TOOL JOINT SPACING EVERY 10'
 EXPANSION MATERIAL EVERY 30'

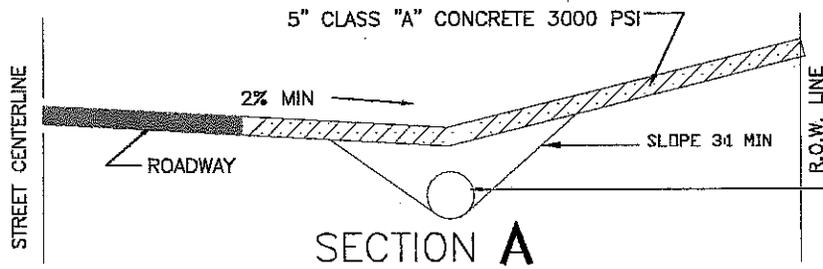
Note #2
 SAWCUT GUTTER AT FLOWLINE
 TO REMOVE CURB WHERE CURB & GUTTER
 IS IN EXISTENCE AND IN GOOD CONDITION

PLEASE SEE SHEET 1 OF 2 FOR REINFORCEMENT DETAILS
 PLEASE SEE SHEET 1 OF 3 FOR CURB & GUTTER DETAILS

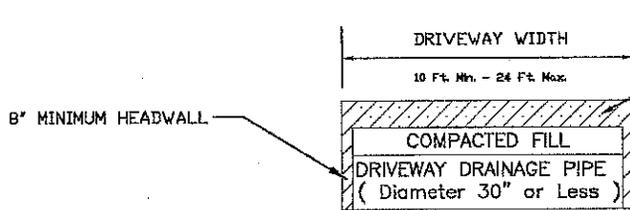
STANDARD DRIVEWAY APPROACH WITH CULVERT. FOR USE IN RURAL ROADS WITHIN RESIDENTIAL ZONING AREAS ONLY.



NOTE:
A MINIMUM 2 FOOT EAR AT BOTH ENDS OF DRIVEWAY APPROACH REQUIRED. A STRAIGHT EDGE FORM MUST BE PLACED IN FRONT OF DRIVEWAY APPROACH FLUSH WITH EXISTING ROADWAY PAVEMENT.



18" OR
PIPE SIZE AS APPROVED BY
CITY OF WEATHERFORD



NOTE:
PIPE MUST HAVE A MINIMUM 0.5% SLOPE.

SECTION B

Community Development

NOT TO SCALE

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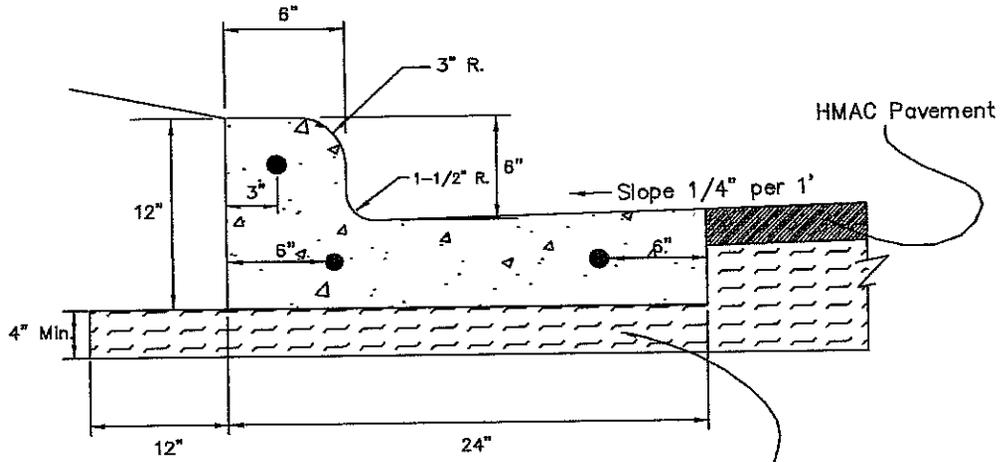
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Approved

STD-- 3.3B



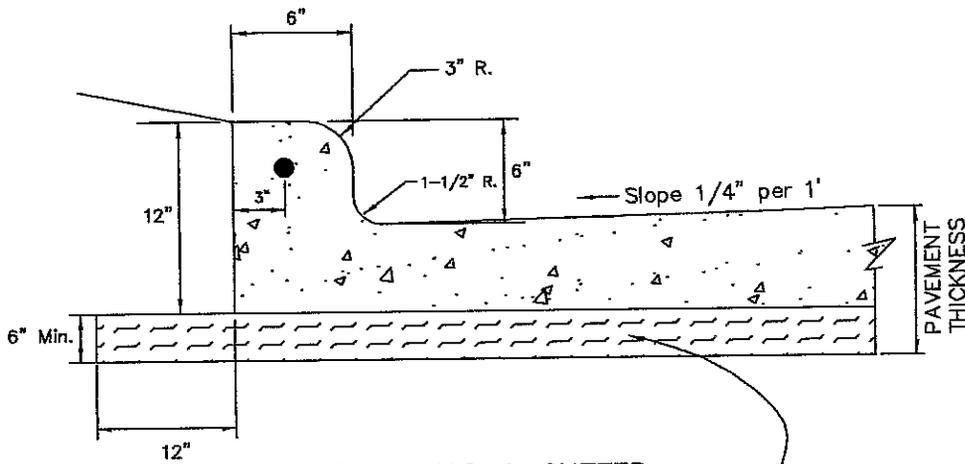
CONCRETE CURB & GUTTER



SEPERATE GURB & GUTTER

HMAC Pavement

No. 2 Flex Base
Compacted to 95%
of maximum density
per ASTM D698



INTEGRAL CURB & GUTTER

Stabilized Subgrade
Compacted to 95%
of maximum density
per ASTM D698

NOTES:

1. Reinforcement shall be No. 3 bars, unless otherwise specified.
2. Concrete shall be class "C", 3600 PSI Minimum for integral C&G and class "A", 3000 PSI for seperate C&G.
3. All curbs are constructed of portland cement concrete unless otherwise shown.
4. Expansion joints every 30 ft. and tool joint spacing at 10' intervals unless otherwise specified.
5. Grade shall be measured at back of curb.



COMMUNITY DEVELOPMENT DEPARTMENT

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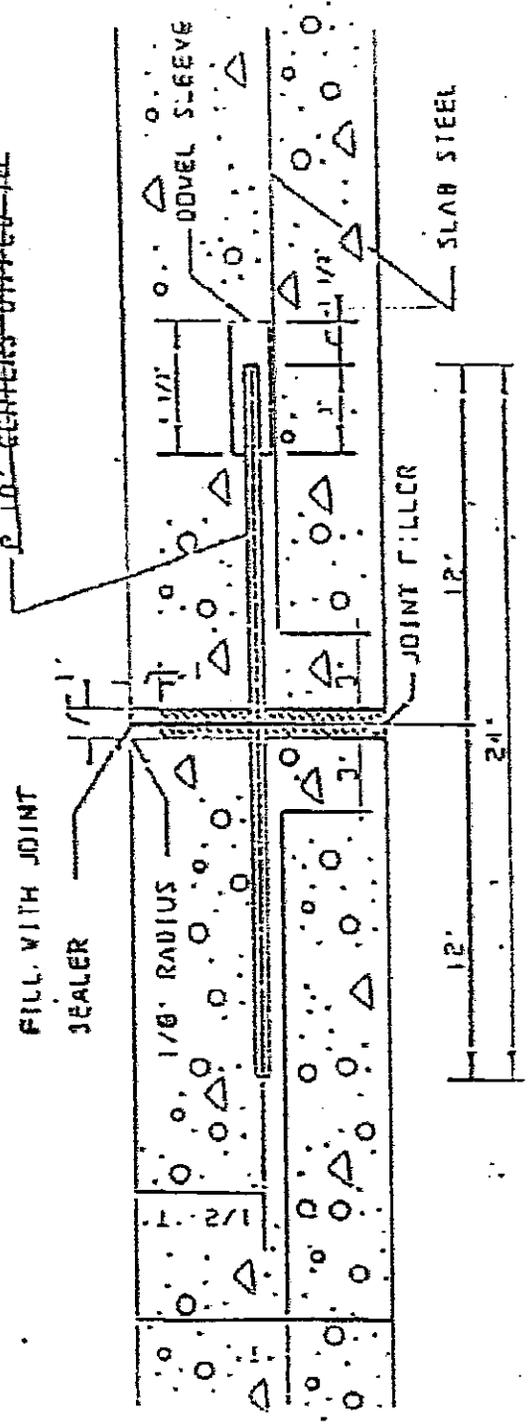
DATE: 10/10/06

APPROVED BY:

STD - 3.5

REBAR OK. 2.19.98
ORC

~~1/2" - 0 SMOOTH BAR~~
~~2" 10" CENTERS STOPPED~~



CITY OF WEATHERFORD
TEXAS

EXPANSION JOINT
DOWELED

DRAWN BY:	:	NO. SCALE
CHECKED BY:	:	DATE: