

# RESIDENTIAL DRIVE APPROACH GENERAL NOTES

**NOTES:**

1. WHEN CONSTRUCTING DRIVE AT EXISTING CURB, CURB MUST BE SAWED. IF THE RADIUS RETURN IS WITHIN 3 FT. OF AN EXISTING JOINT, THE EXISTING CURB AND GUTTER SHALL BE REMOVED AND REPLACED TO THE NEXT EXISTING JOINT.
2. ON CONCRETE STREETS: EXPANSION JOINT WITH DOWELS 3/4 IN. Ø X 24 IN. LONG SMOOTH DOWEL BARS WITH 3/4 IN. Ø PVC PIPE SLEEVE WITH CAPPED END AT 36 IN. OC. (REF ST-9)
3. EXPANSION JOINT: 2 EACH 3/4 IN. Ø X 24 IN. LONG SMOOTH DOWEL BARS WITH 3/4 IN. Ø PVC PIPE SLEEVE WITH CAPPED END. WHEN ADDING TO EXISTING DRIVE APPROACH, JOINT MUST BE SAW-CUT. REF. ST-9 FOR ADDITIONAL REQUIREMENTS.
4. EXPANSION JOINT WITH 3/4 IN. Ø X 24 IN. LONG SMOOTH DOWEL BARS WITH 3/4 IN. Ø PVC PIPE SLEEVE WITH CAPPED END AT 36 IN. OC. (REF ST-9)
5. SEE ST-4 STANDARD ALLEY SECTION FOR ADDITIONAL INFORMATION WHEN CONNECTING TO A RESIDENTIAL ALLEY.
6. SIDEWALK: SEE CODE OF ORDINANCES FOR REQUIREMENTS OF SIDEWALK.  
LOCATIONS WITHIN THE CODE OF ORDINANCES OF MINIMUM REQUIRED WIDTHS OF SIDEWALK AND RELATED BUFFER PRESENTLY INCLUDE THE FOLLOWING
  - [SEC. 22-37. - CHANGING OF GRADE OF STREETS, ETC.](#)
  - [SEC. 22-63. - SAME-LOCATION AND WIDTH OF SIDEWALKS.](#)
  - [SEC. 28-880.11. - PUBLIC SPACES.](#)
  - [SEC. 28-839. - SIDEWALKS.](#)
  - [SUBDIVISION ORDINANCE SEC. 5.2. - PERMANENT IMPROVEMENTS.5.207. SIDEWALKS](#)
7. 6 IN. REINFORCED CONCRETE WITH #4 BARS AT 18 IN. OCEW (CONCRETE CHAIRS REQUIRED). CONTINUOUS THROUGH DRIVE APPROACH, DRIVE APRON, AND SIDEWALK.
8. DRIVE APRON. MAXIMUM SLOPE SHALL BE 1.5% FORMED. ANY SLOPE EXCEEDING 2% SHALL NOT BE ACCEPTED.
9. DRIVE APPROACH: FOR RADIUS = 4 FT., SLOPE SHALL BE 13.0% MIN. TO 14.8 % MAX.
10. 4 IN. TYPE "A" MATERIAL PER STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTION 4.2 EXCAVATION AND BACKFILL PART 2: PRODUCT A. MATERIALS 3. TRENCH BACKFILL A. TYPE "A" OR 4 IN. RECYCLED CRUSHED CONCRETE (TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION ITEM 247 FLEXIBLE BASE TYPE D, GRADE 1-2 EXCLUDING TYPE A MATERIALS, WITH A MINIMUM P.I. OF FOUR) OR 4 IN. PORTLAND CEMENT TREATED BASE (AFTER COMPACTION COVERED BY 10 MIL POLYETHYLENE BOND BREAKER) MECHANICALLY COMPACTIONED TO 95% OF THE MAXIMUM DRY DENSITY.
11. CONTRACTION JOINT MAY BE TOOLED. SEE ST-9 FOR DETAILS.
12. UPON REQUEST, CONTRACTOR SHALL SHOW INSPECTOR SIDEWALK COMPLIANCE.
13. FOR GRADING OF AREAS TO BE VEGETATED ENSURE CONCRETE WORK IS DONE TO PROVIDE FOR COMPLIANCE WITH CODE OF ORDINANCES SEC. 22-73. - DIMENSIONS--PARKWAY.
  - (a) THE PARKWAY SHALL BE THAT SPACE BETWEEN THE FACE OF THE STREET CURB AND THE PROPERTY LINE. THIS PARKWAY SHALL HAVE A MINIMUM SLOPE OF ONE-QUARTER OF AN INCH PER ONE FOOT AND A MAXIMUM SLOPE OF ONE-HALF OF AN INCH PER ONE FOOT TOWARD THE STREET.
14. A LONGITUDINAL CONTRACTION JOINT SHALL BE PLACED AT CENTERLINE OF ALL DRIVEWAYS. FOR DRIVEWAYS WIDER THAN 20 FEET ADDITIONAL LONGITUDINAL CONTRACTION JOINTS SHALL BE PLACED, SPACED EQUALLY AT 10 FT. MAXIMUM SPACING.
15. IF DISTANCE BETWEEN INITIALLY REQUIRED TRANSVERSE JOINTS EXCEEDS 10 FT. THEN ADDITIONAL CONTRACTION JOINT(S) SHALL BE PLACED TO ENSURE DISTANCE BETWEEN TRANSVERSE JOINTS DOES NOT EXCEED 10 FEET. THESE ADDITIONALLY REQUIRED CONTRACTION JOINTS SHALL BE PLACED TO PROVIDE EQUAL SPACING BETWEEN TRANSVERSE JOINTS TO THE EXTENT PRACTICAL.

<b>RESIDENTIAL DRIVEWAY STANDARDS</b>		
DRIVEWAY TYPE	"W" DRIVEWAY WIDTH	"R" BACK OF CURB RADIUS
SINGLE	10 FT MIN ~ 12 FT MAX	4 FT MIN ~ 15 FT MAX
DOUBLE	18 FT MIN ~ 24 FT MAX	4 FT MIN ~ 15 FT MAX
ALLEY (NOTE 5)	MATCH ALLEY R.O.W. WIDTH	4 FT MIN ~ 15 FT MAX
SEE CITY OF WACO DEVELOPMENT GUIDE FOR MORE DETAILS		

**SEE ST-23A FOR  
ADDITIONAL DETAILS**

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.



**ENGINEERING  
DIVISION**



REVISIONS			
NO.	COMMENTS	BY	DATE
4	REVISE NOTE 10	MZ	01/27/2023
3	REVISE NOTE 10	MZ	01/05/2023
2	ADD NOTES	MZ	09/12/2022
1	ADD NOTES 11 AND 12	MZ	01/31/2022
##	DESCRIPTION	FL	MM/DD/YYYY

DATE  
01/31/2022

**ST-23B**