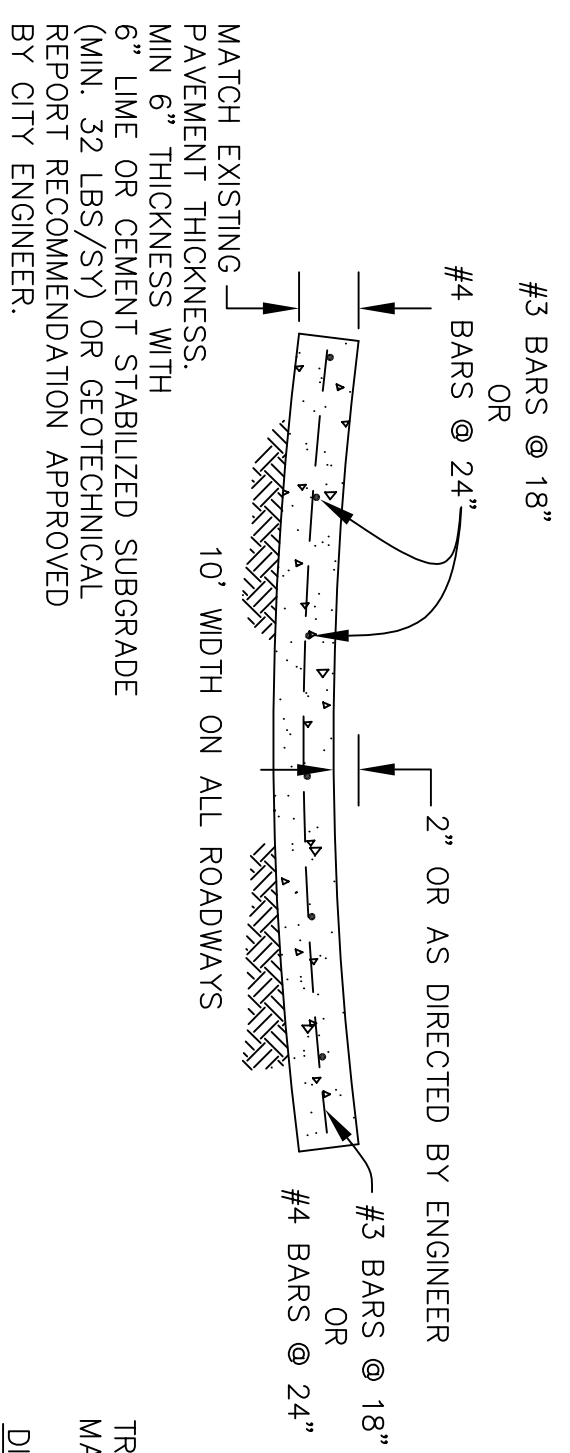
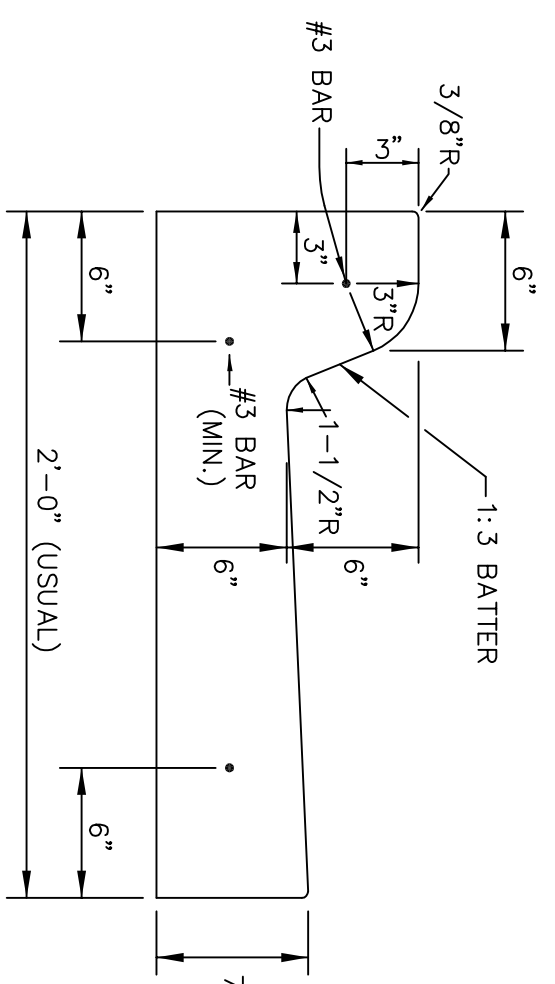


NOTE: CURB, GUTTER, PAVEMENT, AND VALLEY TO BE POURED MONOLITHIC.

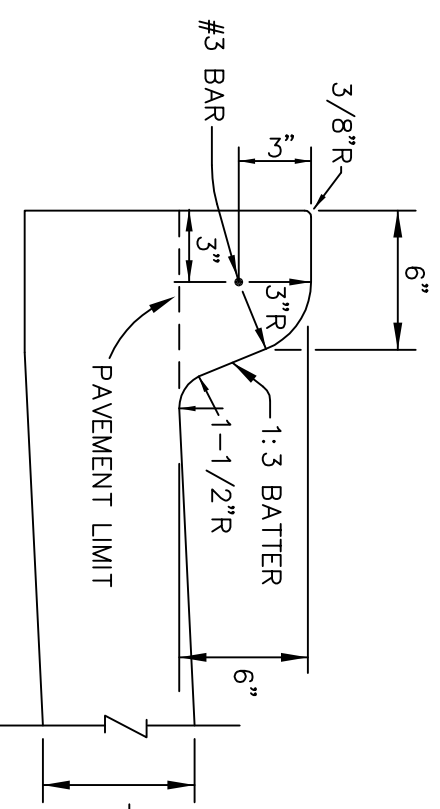


TRANSITION FOR VALLEY'S CROSSING MAJOR OR THROUGH STREETS	DIST. FROM C/L	CROWN
0'	0.000	
5'	0.041	
10'	0.083	
20'	0.208	
30'	0.333	
40'	0.458	
50'	0.500	

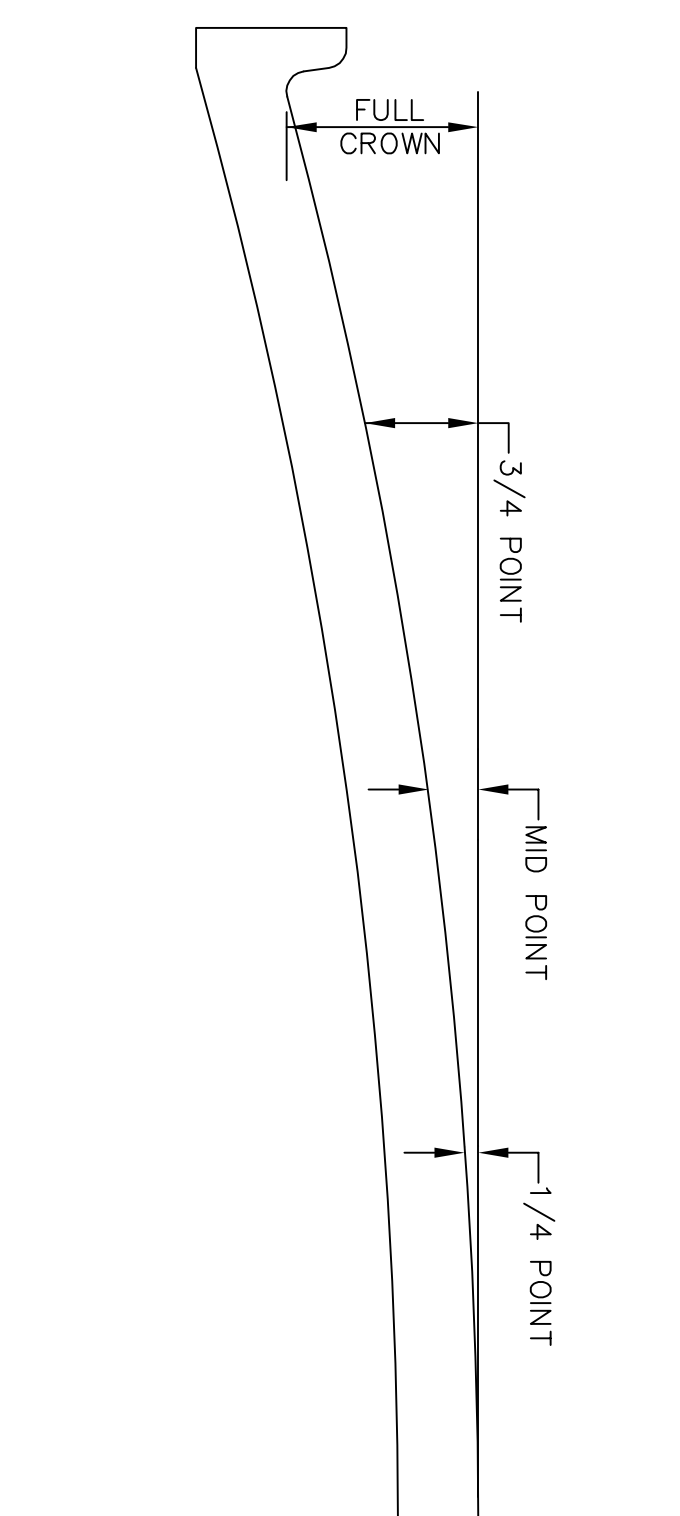
CONCRETE VALLEY GUTTER



SEPARATE CURB-AND-GUTTER



MONOLITHIC CURB



ROADWAY WIDTH (W)	TOTAL CROWN HEIGHT	3/4 POINT	MID-POINT	1/4 POINT
26'	4"	2'-1/4"	1"	1/4"
36'	6"	3'-3/8"	1'-1/2"	3/8"
40'	6"	3'-3/8"	1'-1/2"	3/8"
48'	6"	3'-3/8"	1'-1/2"	3/8"

TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS

SUP-FORM PAVEMENT MUST MEET CROWN GRADES AT GUTTERS, MID-POINTS, & C/L'S

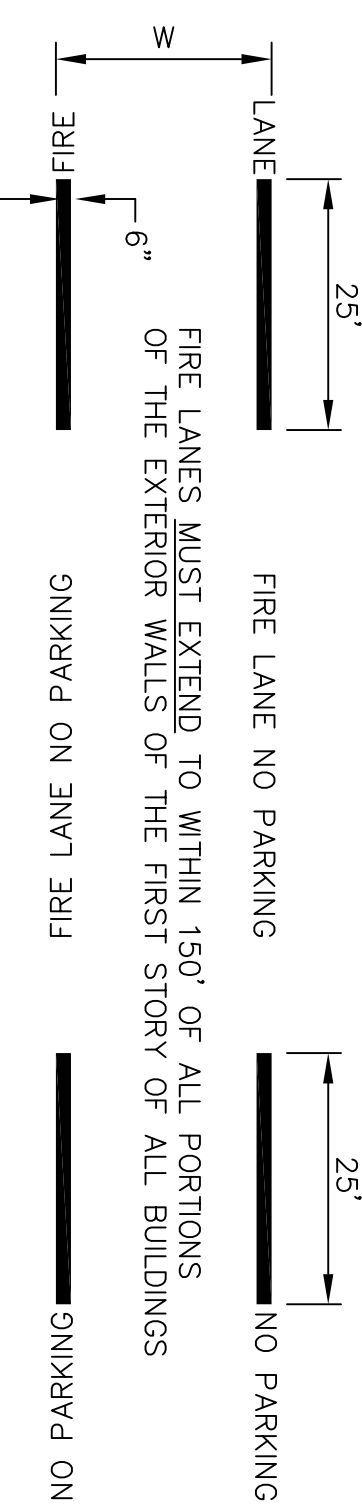
W	R	WR
24'	28'	52' MIN
30'	26'	52' MIN

W = WIDTH (FEET) OF FIRE LANE
R = RADIUS NECESSARY TO ACCOMMODATE FIRE VEHICLES
WR = TURNING RADIUS PAVEMENT WIDTH

CANOPES OR DRIVE-THRU'S MIN. VERTICAL CLEARANCE 14'-0" x 20' WIDTH

REQUIRED TURNAROUND DIAMETER IS 96 FEET

FIRE LANE DESIGN



FIRE LANE MARKING

GENERAL NOTES

- ALL CONCRETE FOR MACHINE FINISHED PAVEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,600 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 470 LB./CY. CONCRETE FOR HAND FINISHED PAVEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS WITH CEMENT CONTENT OF 470 LB./CY. CONCRETE FOR HAND FINISHED PAVEMENT SHALL HAVE A MINIMUM CEMENT CONTENT OF 517 LB./CY PER N.C.T.C.O.G. SPECIFICATIONS SECTION 303.3.4(A). THE CONTRACTOR SHALL PROVIDE AND UTILIZE MECHANICAL VIBRATORS. ALL PUBLIC STREETS MUST BE MACHINE FINISHED. NO CONCRETE SHALL BE PLACED WHEN CONCRETE TEMPERATURE IS OVER 98 DEGREES FAHRENHEIT. AMBIENT TEMPERATURE MUST BE 35 DEGREES FAHRENHEIT AND RISING TO FOUR AND MUST STOP AT 40 DEGREES FAHRENHEIT AND FALLING PER N.C.T.C.O.G. SECTION 303.5.5.
- REINFORCED CONCRETE PAVEMENTS:
 - ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT.
 - CURBS SHALL MEET THE SAME STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
 - DEPTH AND ANCHORAGE OF CURBS SHALL BE AS SHOWN ON SHEET SD-3 THROUGH SCHEDULED DETAILS.
 - BAR LAPS SHALL BE 50 DIAMETERS. (12" MINIMUM).
- SUBGRADE UNDER ALL PAVEMENT SHALL BE A MINIMUM OF 6 INCHES THICK AND SHALL BE STABILIZED WITH HYDRATED LIME OR CEMENT (EXTENDING 12 INCHES BEYOND BACK OF CURB), AND COMPACTED TO A DENSITY NOT LESS THAN 95 PERCENT STANDARD PROCTOR DENSITY. LABORATORY TESTS MUST BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL TO DETERMINE AMOUNT OF LIME OR CEMENT REQUIRED FOR STABILIZATION.
- APPLICATION RATE IS 32#/SY MINIMUM OR A GEOTECHNICAL REPORT. THE FINAL ACCEPTANCE OF THE SUBGRADE TREATMENT WILL BE AT THE DISCRETION OF THE CITY ENGINEER.
- BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED BY CONTRACTOR.
- GROSS SLOPE SHALL BE 1/4" PER FOOT UNLESS APPROVED BY THE CITY ENGINEER.
- ALL MEDIANS & PARKWAYS SHALL BE SEEDED OR SOODED WITH BERBERUDA GRASS OR RYE GRASS DEPENDING ON THE TIME OF YEAR INSTALLED. ONE (1) STRIP OF 500 (1" WIDE MAX.) BEHIND CONCRETE PAVEMENT MUST BE USED WITH ANCHORAGE ON THE ESTABLISHMENT. CONTRACTOR SHALL KEEP NEW GRASS TRIMMAGED TO FACILITATE PROPER ROOT DEVELOPMENT.
- ALL LEFT-TURN STORAGE AREAS SHALL TYPICALLY BE 60'. STORAGE REQUIREMENTS SHALL FOLLOW CITY OF DESOTO PAVING STANDARDS AND/OR AS DIRECTED BY THE CITY ENGINEER, UNLESS SHOWN OTHERWISE ON THE PLANS.
- REBAR IS TO BE U.S. MANUFACTURED ONLY AND APPROVED BY THE CITY OF DESOTO.
- USE OF FLY ASH IS NOT RECOMMENDED. IF REQUESTED BY CONTRACTOR, REQUEST MUST BE SUBMITTED TO THE CITY ENGINEER IN WRITING PRIOR TO USE. USE OF FLY ASH, IF APPROVED BY THE CITY ENGINEER MAY BE SUBJECT TO SPECIAL MONITORING AND INSPECTION OF THE WORK. REQUEST MUST MEET N.C.T.C.O.G. STANDARD 303.2.4 WITH A MAXIMUM OF 25 PERCENT REDUCTION BY WEIGHT PER CUBIC YARD OF CONCRETE.
- ALL MONOLITHIC CURBS MUST HAVE REBAR.

NO.	REVISION	BY	DATE

STANDARD CONSTRUCTION DETAILS

CITY OF DESOTO, TEXAS
DEVELOPMENT SERVICES
ENGINEERING DEPARTMENT

PAVING

ENGINEERING SEAL

DATE: APRIL, 2016

SHEET: SD-2