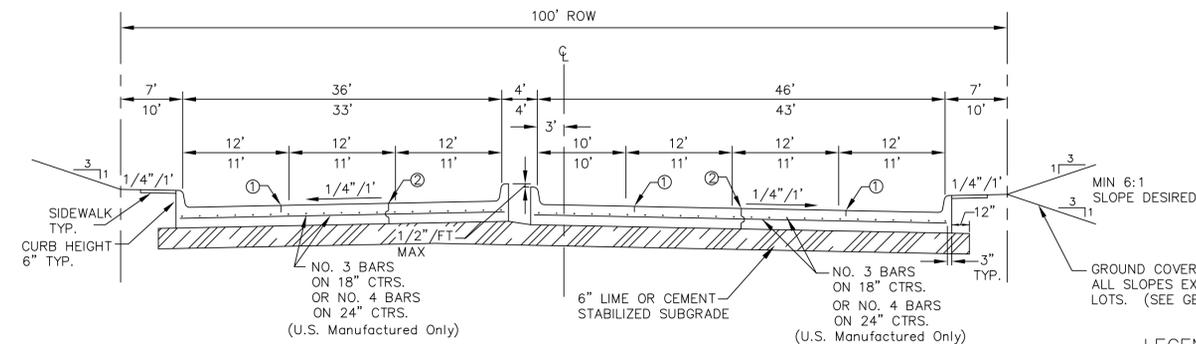


PAVING 1

LEGEND

- ① SAWED LONGITUDINAL DUMMY JOINT
- ② CONSTRUCTION JOINT (FULL WIDTH PVMT. IS ALLOWED WHERE APPROVED BY CITY OF DESOTO). DELETE IF PAVING IS 25 FT. WIDE & TO BE WIDENED LATER.

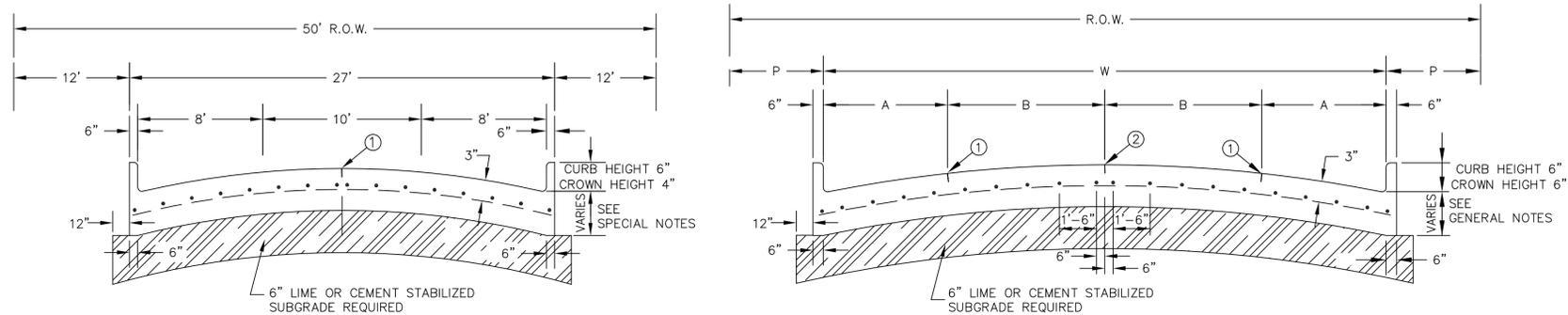


PAVING 2

(LEFT TURN SECTION)

LEGEND

- ① SAWED LONGITUDINAL DUMMY JOINT
- ② CONSTRUCTION JOINT (FULL WIDTH PVMT. IS ALLOWED WHERE APPROVED BY CITY OF DESOTO). DELETE IF PAVING IS 25 FT. WIDE & TO BE WIDENED LATER.



| STREET TYPE | STREET WIDTH (W) | A | B | R.O.W. WIDTH | P |
|-------------|------------------|-----|-----|--------------|-----|
| COLLECTOR | 36' | 8' | 10' | 60' | 12' |
| COLLECTOR* | 40' | 8' | 12' | 60' | 10' |
| COLLECTOR | 44' | 11' | 11' | 70' | 13' |
| COLLECTOR | 48' | 12' | 12' | 70' | 11' |

*INDUSTRIAL ZONING

PAVING 3

REINFORCED CONCRETE PAVEMENT

ALL REINFORCING BARS SHALL BE EITHER NO. 3 BARS ON 18" CENTERS OR NO. 4 BARS ON 24" CENTERS EACH WAY, EXCEPT WHERE NOTED OR DIRECTED BY THE CITY ENGINEER.

LEGEND

- ① SAWED LONGITUDINAL DUMMY JOINT
- ② CONSTRUCTION JOINT (FULL WIDTH PAVEMENT IS ALLOWED WHERE APPROVED BY ENGINEER).

GENERAL NOTES

A. TYPICAL PAVEMENT THICKNESS AND STRENGTHS SHALL BE AS FOLLOWS UNLESS SHOWN DIFFERENTLY ON THE CONSTRUCTION PLANS.

| STREET OR THOROUGHFARE TYPE | BASIC THICKNESS |
|-----------------------------|-----------------|
| ARTERIAL | 8" |
| MAJOR COLLECTOR | 8" |
| COLLECTOR | 7" |
| RESIDENTIAL | 6" |

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 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 POUR AND MUST STOP AT 40 DEGREES FAHRENHEIT AND FALLING PER N.C.T.C.O.G. SECTION 303.5.5.

B. REINFORCED CONCRETE PAVEMENTS:
 1. ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT.
 2. CURBS SHALL MEET THE SAME STRENGTH AS SPECIFIED FOR THE CONCRETE PAVEMENT.
 3. DETAIL AND ARRANGEMENT OF JOINTS, ALL TYPES, SHALL BE AS SHOWN ON SHEET SD-3 OF THE STANDARD CONSTRUCTION DETAILS.
 4. BAR LAPS SHALL BE 30 DIAMETERS. (12" MINIMUM).

C. 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 THAT SPECIFIED IN A GEOTECHNICAL REPORT. THE FINAL ACCEPTANCE OF THE SUBGRADE TREATMENT WILL BE AT THE DISCRETION OF THE CITY ENGINEER.

D. BAR CHAIRS OR AN APPROVED SUPPORTING DEVICE SHALL BE FURNISHED BY CONTRACTOR.

E. CROSS SLOPE SHALL BE 1/4" PER FOOT UNLESS APPROVED BY THE CITY ENGINEER.

F. ALL MEDIANS & PARKWAYS SHALL BE SEEDED OR SODDED WITH BERMUDA GRASS OR RYE GRASS, DEPENDING ON THE TIME OF YEAR. ONE (1) STRIP OF GRASS (1' WIDE MIN.) BEHIND CONCRETE PAVEMENT MUST BE USED WITH ANY VEGETATION RE-ESTABLISHMENT. CONTRACTOR SHALL KEEP NEW GRASS IRRIGATED TO FACILITATE PROPER ROOT DEVELOPMENT.

G. 1. 2-2" PVC CONDUITS TO BE INSTALLED CONTINUOUS ACROSS EACH LEG OF AN INTERSECTION, EXTENDING TO 18" BEHIND CURBS.
 2. THE EXACT LOCATIONS WHERE THE CONDUIT CROSSES UNDER THE PAVING ARE TO BE CHISELED WITH AN "X" ON THE CURB OR PAVING. LOCATION TIES SHALL BE RECORDED AND SUBMITTED TO THE CITY ENGINEER.
 3. A NYLON CORD SHALL BE PLACED IN ALL CONDUIT. THIS CORD SHALL EXTEND A MINIMUM OF 1-FOOT FROM THE END OF THE CONDUIT INTO THE PULL-BOX.

H. 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.

I. REBAR IS TO BE U.S. MANUFACTURED ONLY AND APPROVED BY THE CITY OF DESOTO.

J. 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.

K. ALL MONOLITHIC CURBS MUST HAVE REBAR.

L. DOWEL (SEE SD-6)

| NO. | REVISION | BY | DATE |
|-----|----------|----|------|
| | | | |

CERTIFICATION: CITY OF DESOTO STANDARD CONSTRUCTION DETAIL SHEET IS AUTHORIZED FOR USE IN THIS PROJECT BY THE ENGINEER WHOSE SEAL APPEARS ON THIS SHEET. THIS ENGINEER IS ALSO CERTIFYING THAT THE DETAIL AND NOTES ON THIS SHEET HAVE NOT BEEN ALTERED FROM THAT RECEIVED FROM THE CITY OF DESOTO.

STANDARD CONSTRUCTION DETAILS

CITY OF DESOTO, TEXAS
 DEVELOPMENT SERVICES
 ENGINEERING DEPARTMENT

PAVING

DATE: APRIL, 2016

SHEET: SD-1

ENGINEERING SEAL