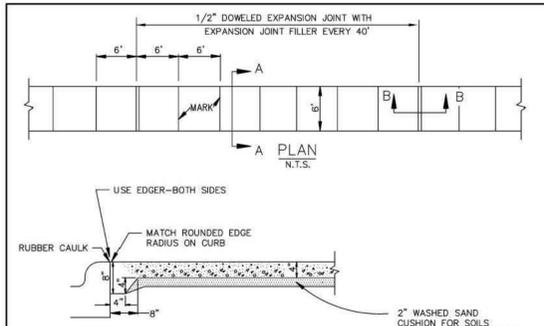


GENERAL NOTES:

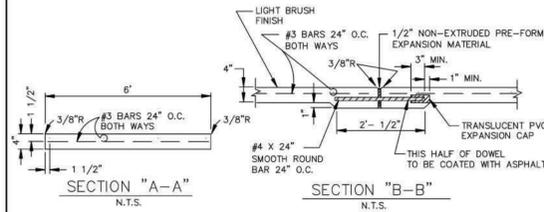
- REINFORCED CONCRETE PAVEMENT:
 - ALL CURBS SHALL BE PLACED INTEGRAL WITH PAVEMENT UNLESS OTHERWISE APPROVED BY THE OWNER.
 - CURBS SHALL MEET THE SAME COMPRESSIVE STRENGTH AS SPECIFIED FOR THE PAVEMENT.
 - BAR LAPS SHALL BE 30 DIAMETERS.
 - REINFORCING BARS SHALL BE SUPPORTED BY CHAIRS OR OTHER DEVICES APPROVED BY THE OWNER.
- SUBGRADE: (UNLESS OTHERWISE SPECIFIED BY OWNER)
 - SUBGRADE UNDER ALL PAVEMENTS SHALL BE STABILIZED TO A MINIMUM DEPTH OF 6" WITH HYDRATED LIME OR CEMENT WHEN THE P.I. OF THE INPLACE MATERIAL IS GREATER THAN 15. LABORATORY TESTS MUST BE PERFORMED TO DETERMINE THE AMOUNT OF LIME OR CEMENT REQUIRED TO LOWER THE P.I. TO 15 OR BELOW. SATURATION P.I. (PI_s ≥ 12.4) WILL BE THE LIMIT WHEN A SOIL'S P.I. CANNOT BE BROUGHT TO 15 OR LOWER.
 - WHERE THE INPLACE MATERIAL HAS A P.I. OF LESS THAN 15, THE SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 6" AND RECOMPACTED.
- IF THE ROADWAY IS A DESIGNATED BIKE ROUTE OR BIKE USAGE IS ANTICIPATED, REFER TO NOTOO'S REGIONAL BICYCLE AND PEDESTRIAN FACILITIES DESIGN MANUAL FOR DESIGN GUIDANCE.

PAVEMENT SYSTEMS
GENERAL NOTES

North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE
	302.303
DATE	STANDARD DRAWING NO.
OCT. '04	2190



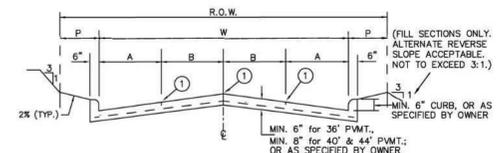
JOINT LUG DETAIL FOR MEDIAN PAVEMENT OR SIDEWALK ADJACENT TO CURB
N.T.S.



- NOTE:
- REFER TO STANDARD SPECIFICATION ITEM 305.2 FOR ALTERNATE REINFORCEMENT.
 - CROSS SLOPE OF SIDEWALK SHALL BE ± 1/4" PER FT. MIN. TO ± 3/8" PER FT. MAX.
 - OTHER THAN 6'-0" SIDEWALK WIDTH MAY BE SPECIFIED BY OWNER.
 - SIDEWALK SHALL BE CLASS "A" CONCRETE UNLESS OTHERWISE SPECIFIED BY OWNER.
 - ALL HONEYCOMB IN BACK OF CURB TO BE TROWEL-PLASTERED BEFORE POURING SIDEWALK.
 - LUG MAY BE FORMED BY SHAPING SUBGRADE TO APPROXIMATE DIMENSIONS SHOWN.

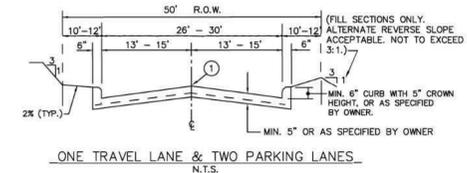
REINFORCED CONCRETE SIDEWALKS
JOINTS AND SPACING

North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE
	305.2
DATE	STANDARD DRAWING NO.
OCT. '04	2170



STREET WIDTH(W)	A	B	R.O.W. WIDTH	P	CROWN HEIGHT
36'	8'	10'	VARIES	VARIES	6"
40'	8' OR 10'	10' OR 12'	VARIES	VARIES	6"
44'	11'	11'	VARIES	VARIES	8"

FOUR TRAVEL LANES OR TWO TRAVEL LANES & TWO PARKING LANES
N.T.S.



ONE TRAVEL LANE & TWO PARKING LANES
N.T.S.

Ⓢ INDICATES SAWED LONGITUDINAL CONTRACTION OR CONSTRUCTION JOINT.

NOTES:

- ALL REINFORCEMENT SHALL BE #3 BARS ON 24" CENTERS BOTH WAYS, EXCEPT WHERE NOTED.
- ALTERNATE REINFORCEMENT SHALL BE #4 BARS ON 30" CENTERS BOTH WAYS.
- PAVEMENT STRENGTH SHALL CONFORM TO CLASS "C" OR "PC" CONCRETE, OR AS SPECIFIED BY THE OWNER.

REINFORCED CONCRETE PAVEMENT
2- & 4-LANE UNDIVIDED THOROUGHFARE

North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE
	303
DATE	STANDARD DRAWING NO.
OCT. '04	2030

REVISIONS		
#	REVISION	DATE

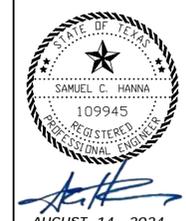
DEVELOPER/OWNER:
ROBERT TATE
2824 W. 7TH
STREET/SUITE 100
FORT WORTH, TX 76107

PAVING DETAILS

1.535 ACRES COMMERCIAL
DEVELOPMENT OUT OF THE
DAVIS ADDITION
LOT 32R1, BLOCK 5
802 E. CRINER STREET
CITY OF GRANDVIEW
JOHNSON COUNTY, TEXAS

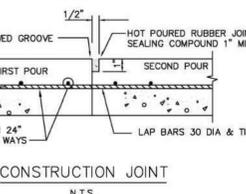
HANNA
SURVEYING & ENGINEERING LLC.
ENGINEERING FIRM NUMBER F-22119
SURVEYING FIRM NUMBER 10194633
SAM@HANNA-SE.COM

HANNA SURVEYING AND ENGINEERING, LLC.
171729 E. FM 917
ALVARADO, TX 76009
(862) 553-9474

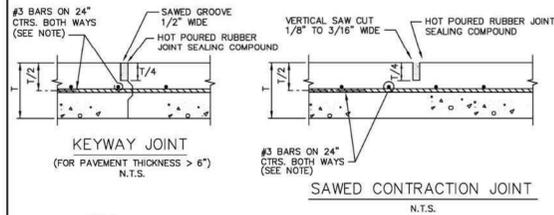


ISSUE DATE:
JUNE 14, 2024
PROJECT NO.:
23-788
SHEET NUMBER

C-5.1
11 OF 21



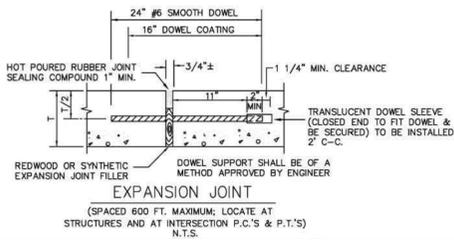
CONSTRUCTION JOINT
N.T.S.



KEYWAY JOINT
(FOR PAVEMENT THICKNESS > 6")
N.T.S.

SAWED CONTRACTION JOINT
N.T.S.

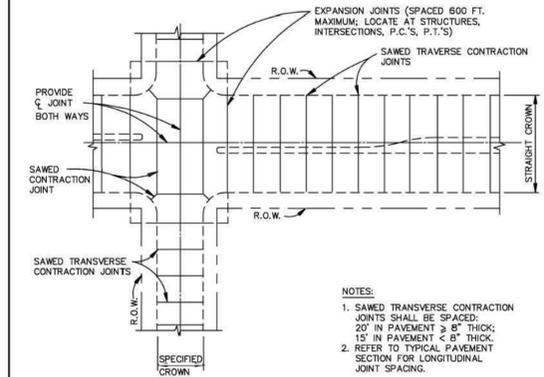
NOTE:
ALTERNATE REINFORCEMENT
#4 BARS ON 30" CTRS.
BOTH WAYS.



EXPANSION JOINT
(SPACED 600 FT. MAXIMUM; LOCATE AT STRUCTURES AND AT INTERSECTION P.C.'S & P.T.'S)
N.T.S.

REINFORCED CONCRETE PAVEMENT
JOINTS

North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE
	303.5.4
DATE	STANDARD DRAWING NO.
OCT. '04	2050

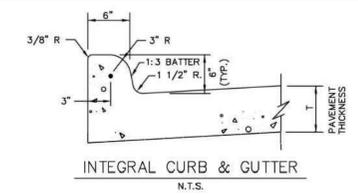


SPACING DIAGRAM FOR TRANSVERSE JOINTS
N.T.S.

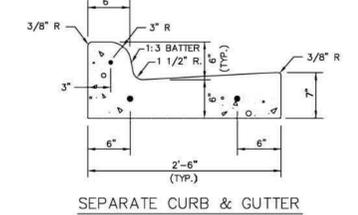
- NOTES:
- SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE SPACED: 20' IN PAVEMENT ≥ 8" THICK; 15' IN PAVEMENT < 8" THICK.
 - REFER TO TYPICAL PAVEMENT SECTION FOR LONGITUDINAL JOINT SPACING.

REINFORCED CONCRETE PAVEMENT
TRANSVERSE JOINT SPACING

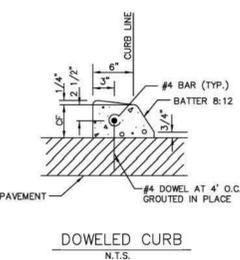
North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE
	303.5.4
DATE	STANDARD DRAWING NO.
OCT. '04	2060



INTEGRAL CURB & GUTTER
N.T.S.



SEPARATE CURB & GUTTER
N.T.S.



DOWELED CURB
N.T.S.

- NOTES:
- REINFORCEMENT SHALL BE NO. 4 BARS, UNLESS OTHERWISE SPECIFIED.
 - CONCRETE SHALL BE CLASS "C" OR "PC".
 - "C" IS 6" UNLESS OTHERWISE SPECIFIED.
 - ALL CURBS ARE CONSTRUCTED OF PORTLAND CEMENT CONCRETE UNLESS OTHERWISE SHOWN.
 - GRADE SHALL BE MEASURED AT BACK OF CURB.

CONCRETE CURB & GUTTER
INTEGRAL, SEPARATE, & DOWELED

North Central Texas Council of Governments	STANDARD SPECIFICATION REFERENCE
	305.1
DATE	STANDARD DRAWING NO.
OCT. '04	2120