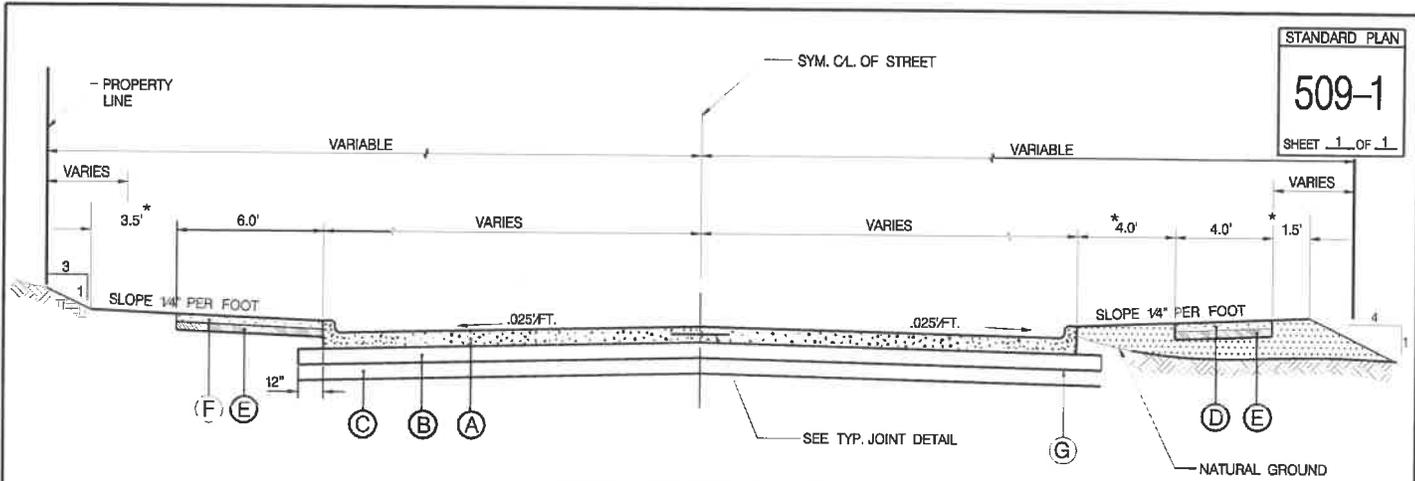


STANDARD PLAN

509-1

SHEET 1 OF 1



*VARIABLE BUT GENERALLY CORRECT

TYPICAL SECTION
NOT TO SCALE

LEGEND

- (A) 8" THICK PORTLAND CEMENT CONCRETE PAVEMENT
T= THICKNESS OF PAVEMENT
- (B) CRUSHED STONE BASE - THICKNESS TO BE DETERMINED FROM SOILS REPORT, MIN. 12".
- (C) SCARIFIED TO A DEPTH OF 12" AND COMPACTED TO 90% DENSITY.*
- (D) 4" THICK PORTLAND CEMENT CONCRETE SIDEWALK IF REQUIRED.
- (E) 4" THICK SANDBASE
- (F) 6" CONCRETE SIDEWALK ADJACENT TO PAVEMENT (4" THICK), IF REQUIRED.
- (G) GEOTEXTILE FABRIC (AMOCO 2002 OR EQUAL).

* NOTE : SOIL ANALYSIS SHALL BE PERFORMED WITH MAXIMUM ALLOWABLE P.I. OF 15. EXCESS OF 15 P.I. SHALL BE LIME TREATED TO A DEPTH OF 8" TO BRING P.I. TO ALLOWABLE LIMITS LIME TREATMENT SHALL BE A MIN. OF 3.0% BY VOLUME TO BE VERIFIED BY SOILS TEST.



CITY OF SHREVEPORT

TYPICAL CONCRETE PAVING SECTION DETAIL

USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

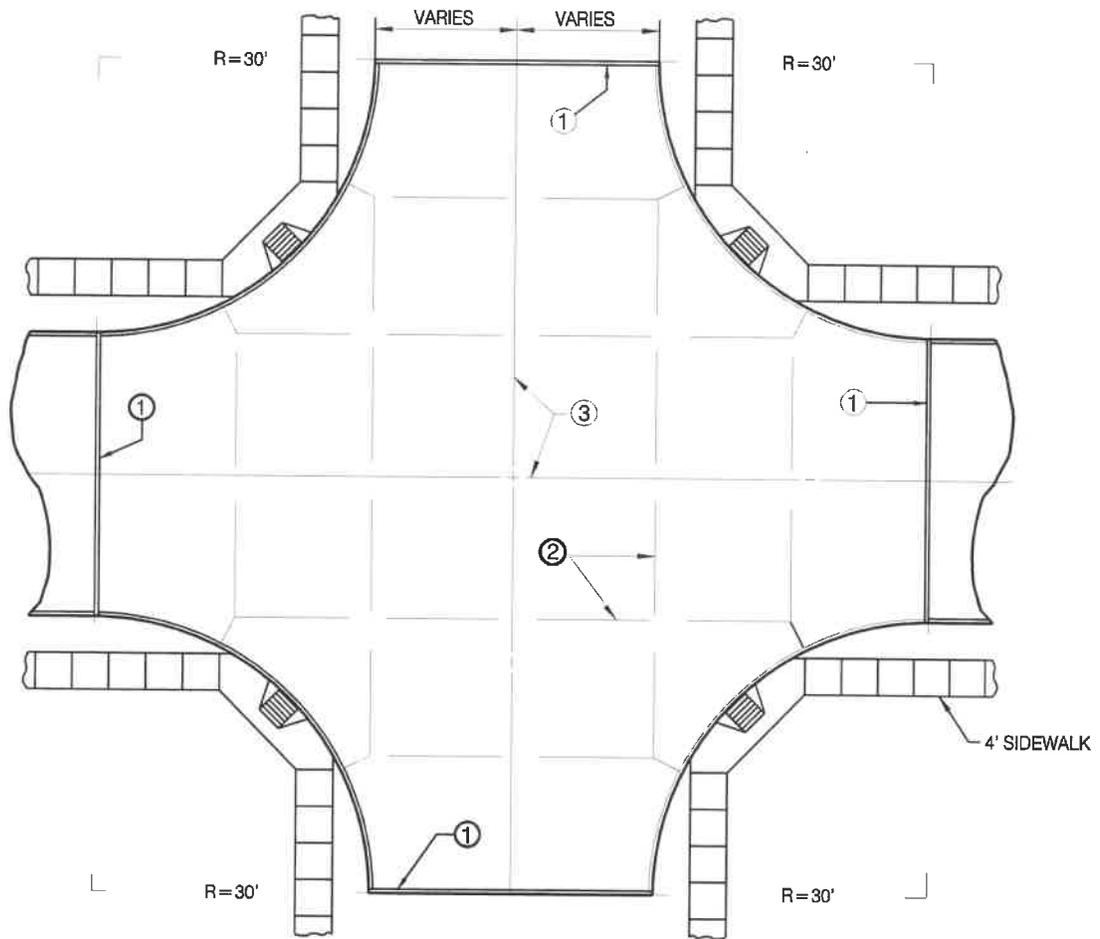
DRAWN: Nhan Tran

CHECKED: AZ

APPROVED:

REW

REVISED:



PLAN OF INTERSECTION
NOT TO SCALE

- ① EXPANSION JOINTS OR THICKENED EDGE, AS MAY BE NOTED ON THE PLANS OR REQUIRED BY THE PROJECT MANAGER.
- ② TRAVERSE CONSTRUCTION JOINT
- ③ LONGITUDINAL JOINT
- * FOR TYPICAL JOINT DETAIL SEE SHEET 509-4 TO 509-9.



CITY OF SHREVEPORT
TYPICAL CONCRETE PAVING
INTERSECTION DETAIL

USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
CHECKED: AZ
APPROVED:
REW
REVISED: _____

GENERAL NOTES

1. PAVEMENT EDGES SHALL BE SLIGHTLY ROUNDED (1/4" APPROX.)
2. UNLESS OTHERWISE SPECIFIED, REASONABLE TOLERANCES TO ALL DIMENSIONS WILL BE ALLOWED.
3. T = THICKNESS OF PAVEMENT.
4. ALL JOINTS TO BE USED WHERE SHOWN ON THESE DETAILS OR AS SHOWN ELSEWHERE IN THE PLANS OR AS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. ALL JOINTS SHALL BE SAND BLASTED. ALL JOINTS REQUIRING SAWING SHALL BE SAWED WITHIN 48 HOURS OF PAVEMENT PLACEMENT.
5. ON TYPE E JOINTS, SPOT WELD ALTERNATE ENDS OF DOWEL BARS TO DOWEL BASKET.
6. TYPE E JOINTS SHALL BE SEALED WITH SILICONE JOINT SEALER, A NEOPRENE JOINT SEALER OR APPROVED EQUAL WHICH HAS A NOMINAL WIDTH OF 2" BEFORE COMPRESSION AND OF A CONFIGURATION AS APPROVED BY THE CITY ENGINEER MAY BE USED.
7. TYPE L JOINTS SHALL BE SAWED, SAND BLASTED AND SEALED WITH SILICONE JOINT SEALER AS SHOWN IN DETAIL "B". AN APPROVED PREFORMED JOINT FILLER NOT REQUIRING SEALING MAY BE USED.
8. TYPE T JOINTS SHALL BE SAWED, SAND BLASTED, CLEANED AND SEALED AS SHOWN IN DETAIL "A". JOINTS SHALL BE SEALED WITH SILICONE. A NEOPRENE JOINT SEALER WHICH HAS A NOMINAL WIDTH OF 13/16" BEFORE COMPRESSION AND OF CONFIGURATION AS APPROVED BY THE ENGINEER MAY BE USED. BALANCE OF FIBERBOARD MAY REMAIN OR BE SAWED AT THE OPTION OF THE CONTRACTOR.
9. WHERE AN APPROVED MECHANICAL PLACEMENT IS NOT UTILIZED, DOWEL BARS AND TIES BARS SHALL BE SUPPORTED IN PLACE BY SUPPORTS SIMILAR TO THE ONES SHOWN OR APPROVED EQUALS. WHEN APPROVED DOWEL BAR ASSEMBLIES ARE USED, SPACER RODS THAT SPAN ACROSS THE JOINT SHALL BE CUT IN THE FIELD AFTER STAKING ASSEMBLY IN PLACE.
10. WHERE SPLIT SLAB CONSTRUCTION IS REQUIRED, TYPE T AND E JOINTS MAY BE SEALED WITH AN APPROVED POURABLE JOINT SEALER WITH BACKING MATERIAL. ALL JOINTS MUST BE SAND BLASTED.
11. ALL LOAD TRANSFER DOWEL BARS SHALL BE SAW CUT AND COATED WITH PLASTIC OR PAINTED AND GREASED.
12. DIAMETER OF LOAD TRANSFER DOWEL BARS SHALL BE T/8. (EXAMPLE 10" THICK PAVEMENT = 10/8 = 1 1/4" DIA. BAR.)



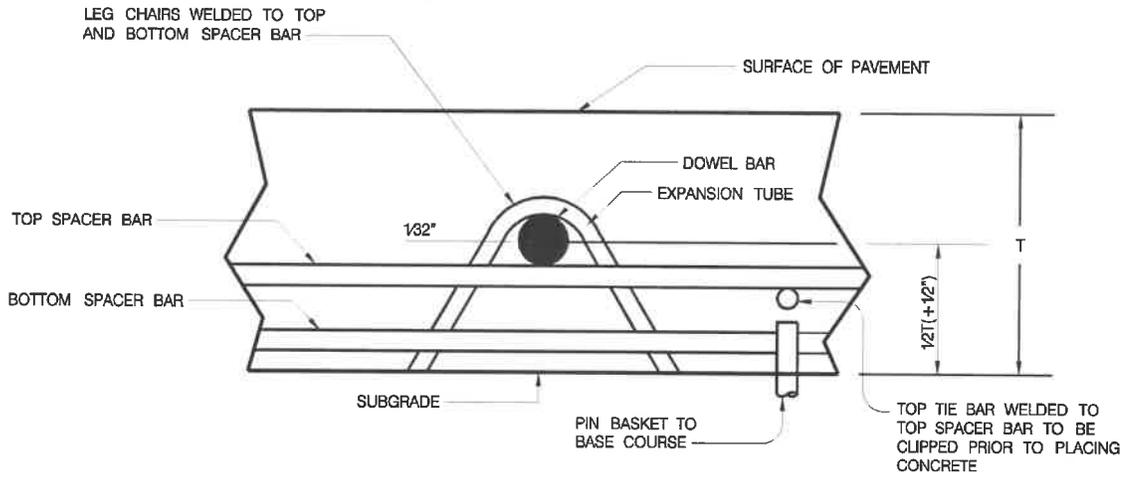
CITY OF SHREVEPORT TYPICAL JOINT DETAIL

USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

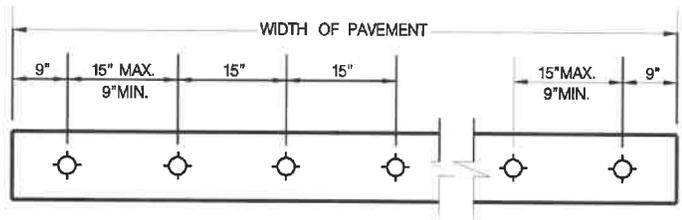
DRAWN: Nhan Tran
CHECKED: AZ

APPROVED:
REW

REVISED: _____



SECTION E - E

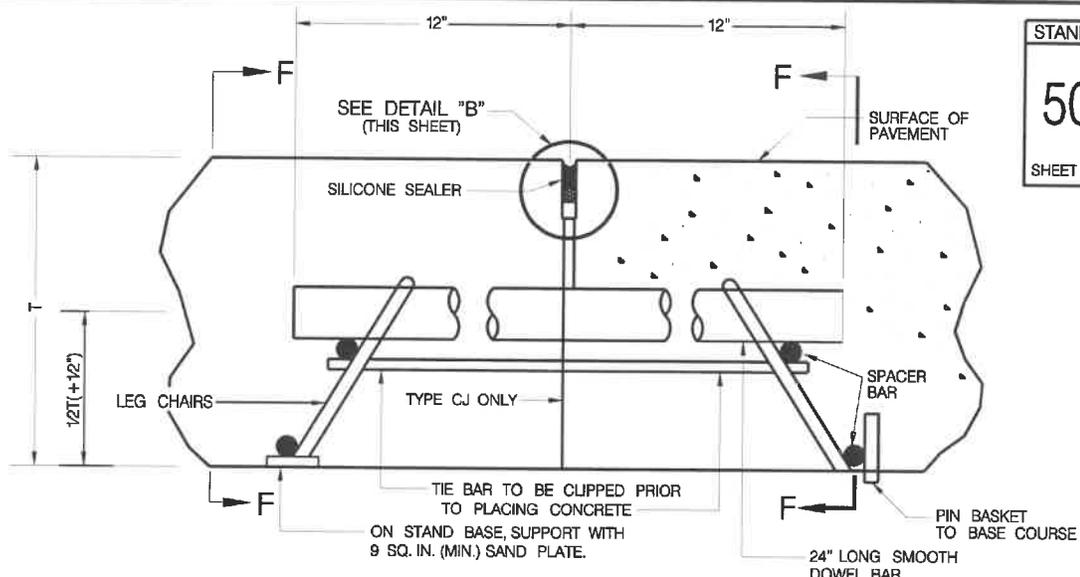


DOWEL BAR SPACING FOR TRANSVERSE JOINTS

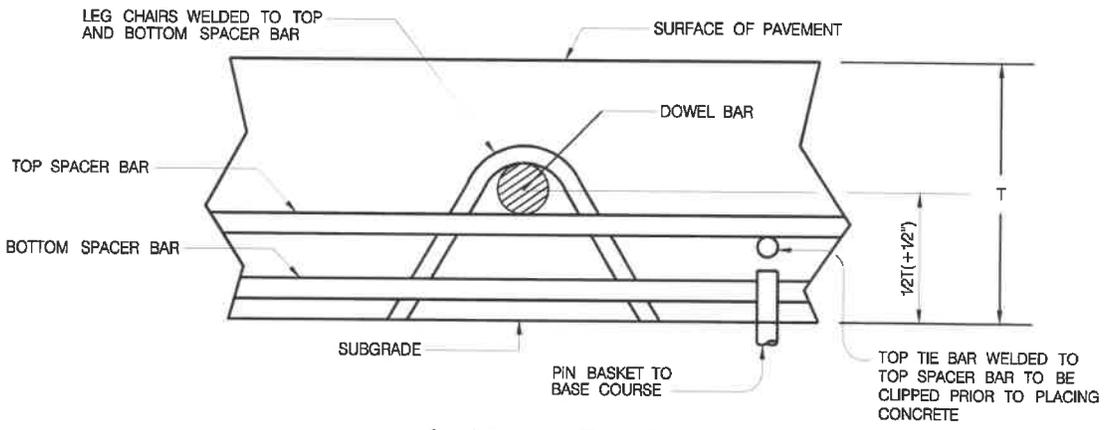


CITY OF SHREVEPORT
TRANSVERSE EXPANSION JOINT DETAIL
USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

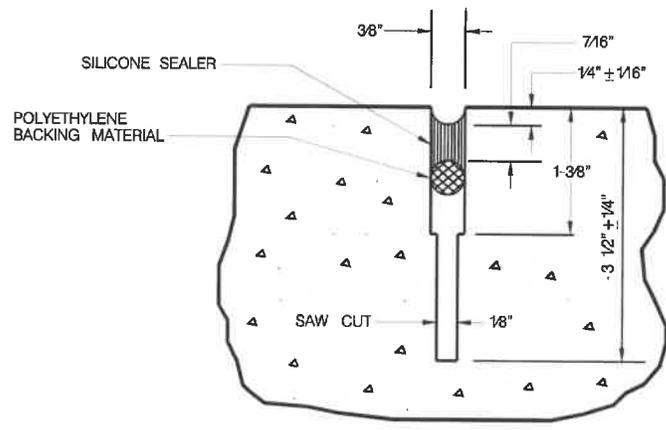
DRAWN: Nhan Tran
CHECKED: AZ
APPROVED: REW
REVISED: _____



TRANSVERSE DUMMY JOINT OR CONSTRUCTION JOINT (TYPE T)



SECTION F - F

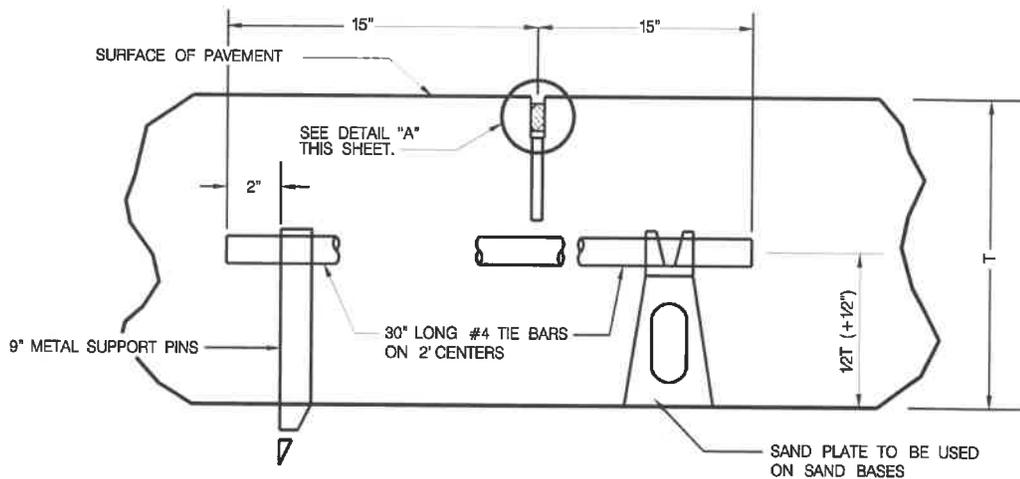


DETAIL "B"

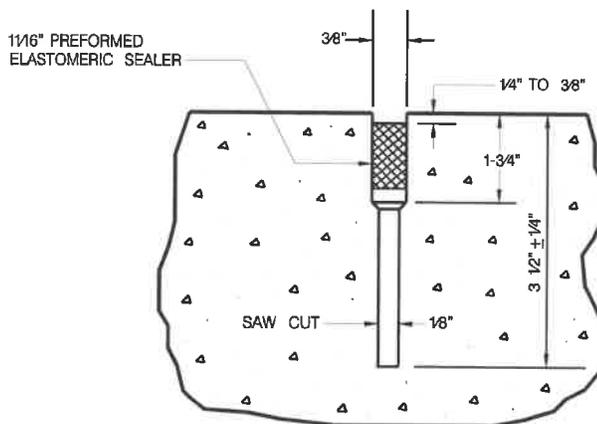


CITY OF SHREVEPORT
 TRANSVERSE DUMMY JOINT OR
 CONSTRUCTION JOINT (TYPE T)
 USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
 CHECKED: AZ
 APPROVED:
REW
 REVISED: _____



LONGITUDINAL JOINT
TYPE L 2



DETAIL "A"



CITY OF SHREVEPORT

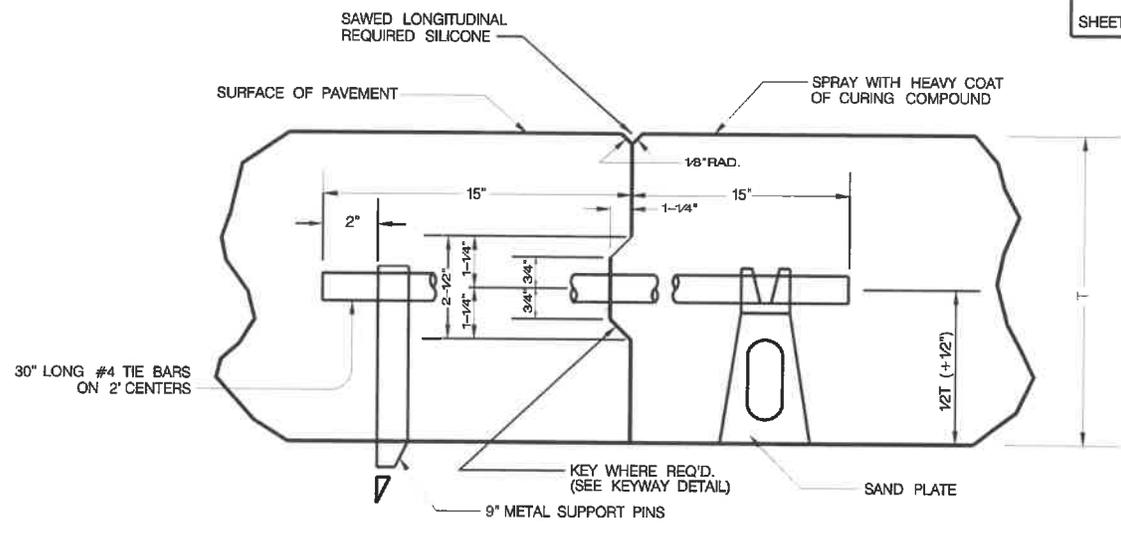
LONGITUDINAL JOINT TYPE L-2

USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

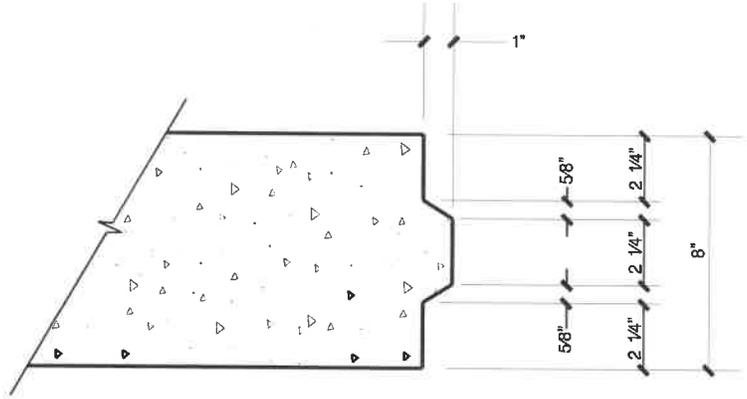
DRAWN: Nhan Tran
CHECKED: AZ

APPROVED:
REW

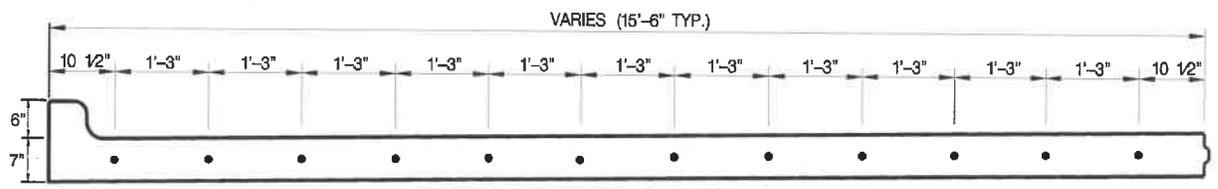
REVISED: _____



**LONGITUDINAL CONSTRUCTION JOINT
 (TYPE L 1)**



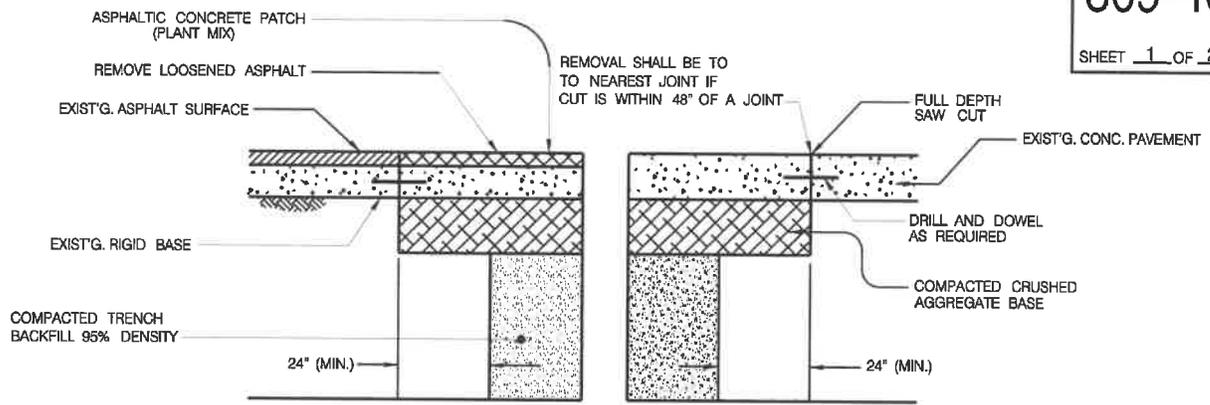
KEYWAY DETAIL
 NOT TO SCALE



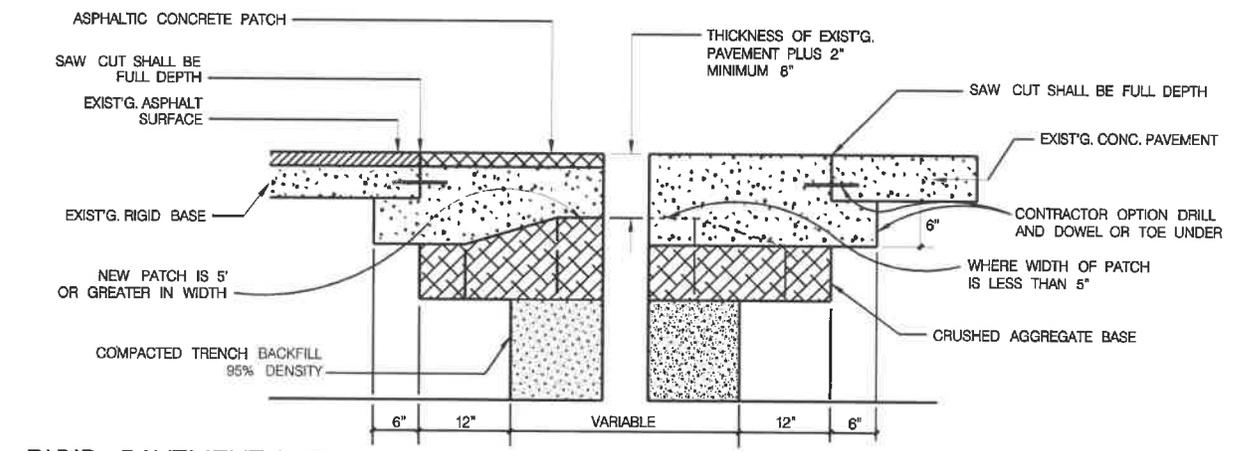
HALF SECTION SHOWING DOWEL SPACING
 NOT TO SCALE

	CITY OF SHREVEPORT	DRAWN: Nhan Tran CHECKED: <u>AZ</u>
	LONGITUDINAL JOINT TYPE L-1	APPROVED: <u>REW</u>
	USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS	REVISED: _____

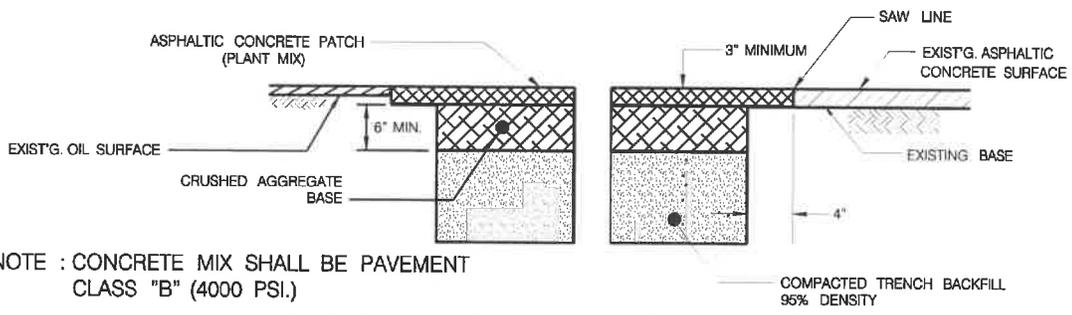
* NOTE : PAVEMENT UNDER 4 YEARS OF AGE SHALL BE REMOVED AND REPLACED TO NEAREST JOINT.



SECTION "A"
 PAVEMENT 4 TO 10 YEARS OF AGE

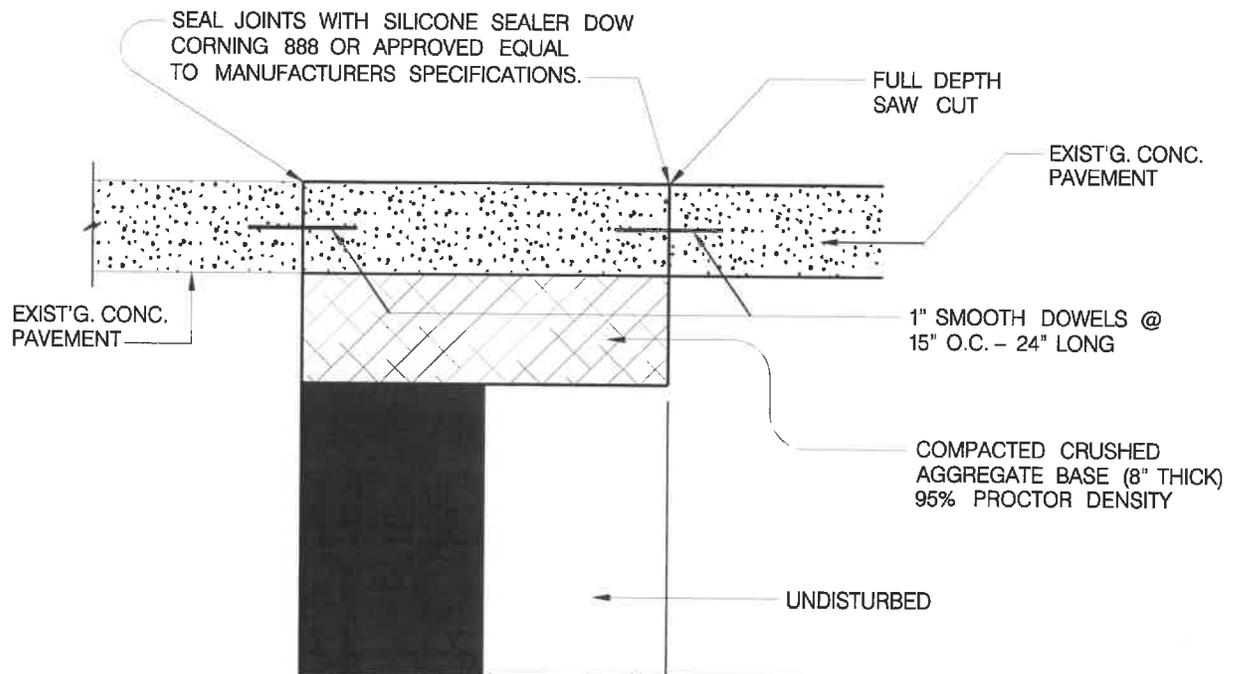


SECTION "B"
 PAVEMENT OVER 10 YEARS OF AGE
 TYPICAL PATCH FOR RIGID PAVEMENT



TYPICAL PATCH FOR FLEXIBLE PAVEMENT

	CITY OF SHREVEPORT	DRAWN: Nhan Tran CHECKED: <u>AZ</u>
	PAVEMENT PATCH	APPROVED: <u>REW</u>
	USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS	REVISED: _____



NOTES :

1. CONCRETE FINISH SHALL MATCH EXISTING PAVEMENT FINISH.
2. LONGITUDINAL CONSTRUCTION JOINTS SHALL CONSIST OF A KEYED JOINT WITH 30" LONG #4 TIE BARS ON 24" CENTERS. IF KEYED JOINT IS NOT USED TIE BARS SHALL BE PLACED ON 12" O.C.



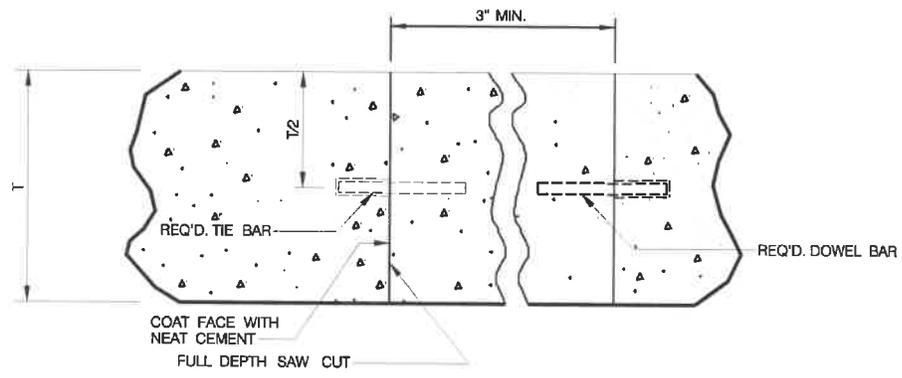
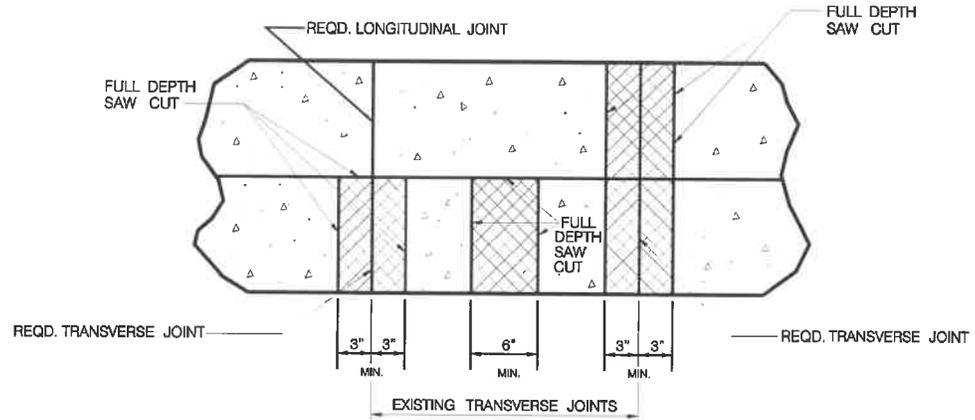
CITY OF SHREVEPORT

TYPICAL PAVEMENT REPAIR

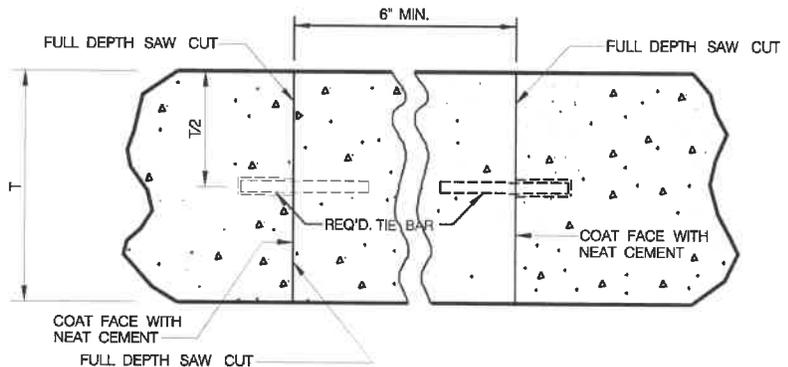
USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
CHECKED: AZAPPROVED:
REW

REVISED: _____



PATCHING DETAIL AT TRANSVERSE JOINTS
 NOT TO SCALE



PATCHING DETAIL BETWEEN TRANSVERSE JOINTS
 NOT TO SCALE

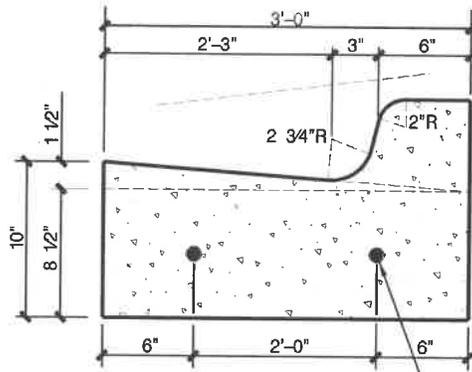
NOTES :

1. DOWEL BARS AND LONGITUDINAL TIE BARS SHALL TO C.O.S. STANDARD PLANS
2. TRANSVERSE TIE BARS SPACED 12" CENTER TO CENTER, NO. 8 BAR SHALL BE USED FOR TIE BAR
3. RESAW TRANSVERSE JOINTS ON EITHER SIDE OF MID-PANEL PATCH TO A DEPTH TO NEAR THE TOP OF THE DOWELS PRIOR TO PLACING CONCRETE.
4. EXISTING TRANSVERSE VERTICAL FACES TO BE COATED WITH NEAT CEMENT JUST PRIOR TO PLACING CONCRETE.



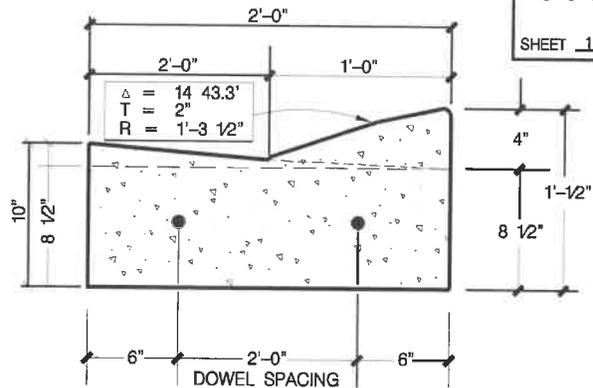
CITY OF SHREVEPORT
JOINT REPAIR DETAIL
 USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
 CHECKED: R.W.
 APPROVED:
REW
 REVISED: _____

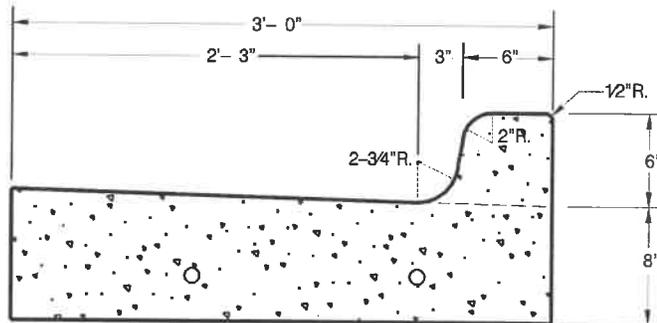


CURB AND GUTTER
(BARRIER TYPE)

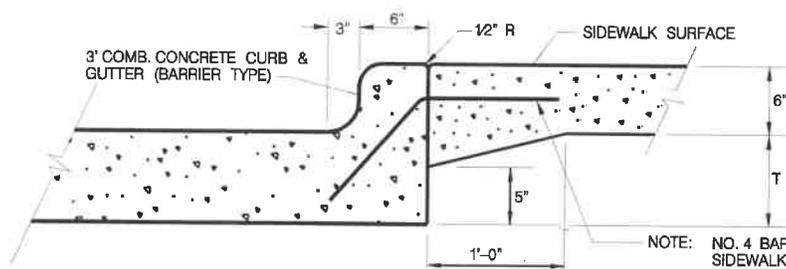
NO. 5 BAR
(TYPICAL)



CURB AND GUTTER
(MOUNTABLE TYPE)



3 FT. CURB AND GUTTER



SIDEWALK ABUTTING CURB

NOTE: NO. 4 BARS 2 FT. LONG AT 3 FT. O.C. WHERE SIDEWALK BUTTS CURB AND AT INLETS. POUR SIDEWALK 6" THICK FOR A DISTANCE OF 10 FT. FROM BACK OF CURB (NO DIRECT PAY).



CITY OF SHREVEPORT

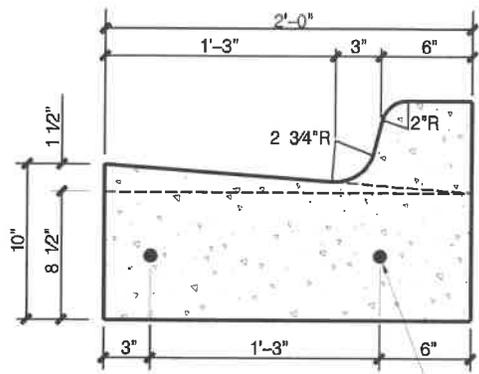
3 FT. CURB AND GUTTER

USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
CHECKED: AZ

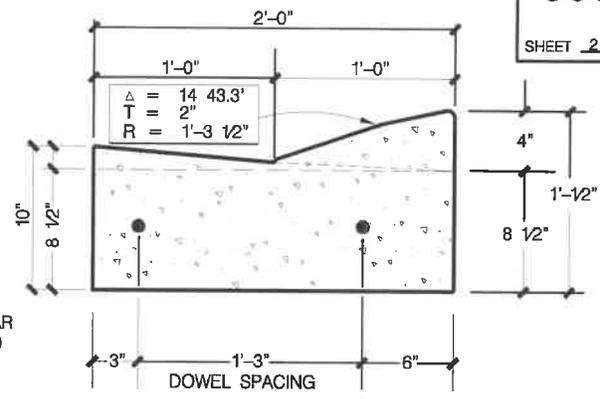
APPROVED:
REW

REVISED: _____



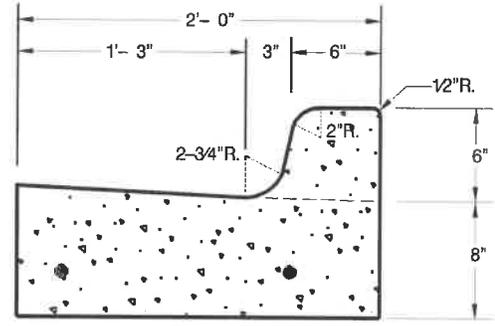
**CURB AND GUTTER
 (BARRIER TYPE)**

NO. 5 BAR
 (TYPICAL)

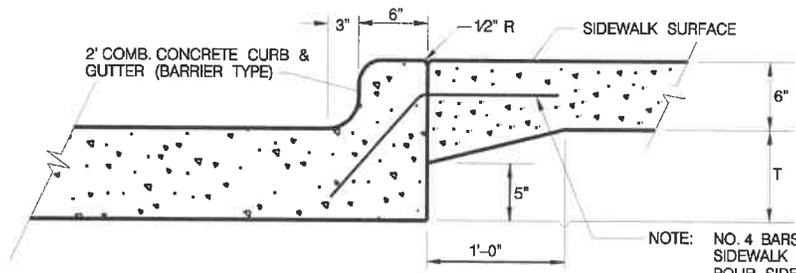


**CURB AND GUTTER
 (MOUNTABLE TYPE)**

DOWEL SPACING



2 FT. CURB AND GUTTER



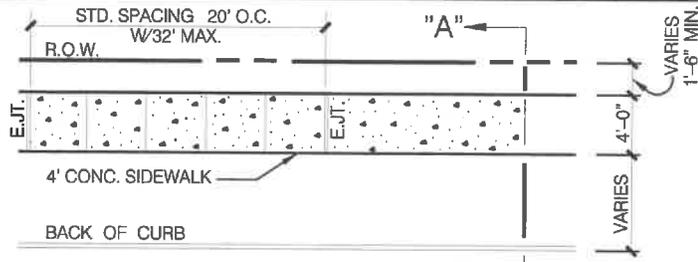
SIDEWALK ABUTTING CURB

NOTE: NO. 4 BARS 2 FT. LONG AT 3 FT. O.C. WHERE SIDEWALK BUTTS CURB AND AT INLETS. POUR SIDEWALK 6" THICK FOR A DISTANCE OF 10 FT. FROM BACK OF CURB (NO DIRECT PAY).



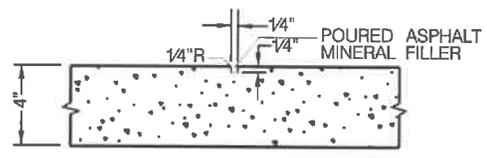
CITY OF SHREVEPORT
2 FT. CURB AND GUTTER
 USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
 CHECKED: AZ
 APPROVED:
REW
 REVISED: _____

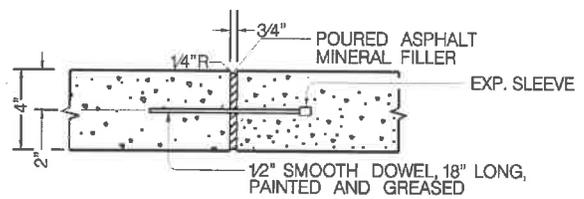


STANDARD PLAN
605-3
 SHEET 1 OF 2

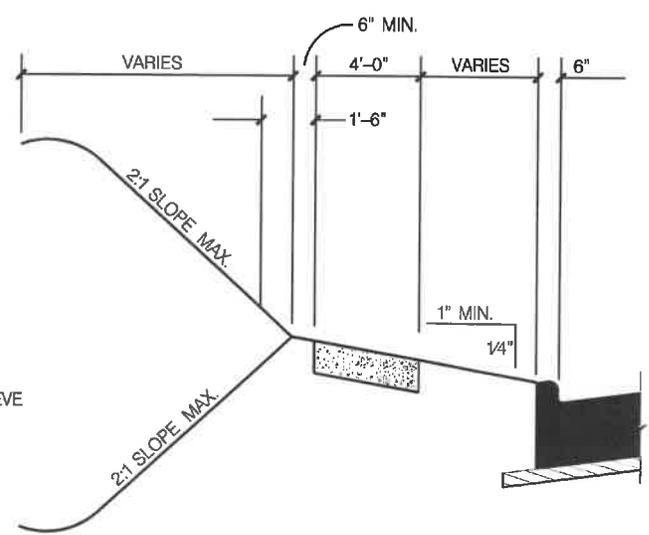
P L A N



TRANSVERSE DUMMY JOINT



TRANSVERSE EXPANSION JOINT



SECTION "A - A"

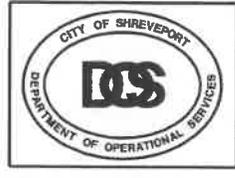
DIMENSIONS: STANDARD SIDEWALK SHALL BE FOUR FEET IN WIDTH BY FOUR INCHES IN DEPTH UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER.

LOCATION AND GRADE : ALL WALKS SHALL BE PLACED A MINIMUM OF EIGHTEEN INCHES FROM THE PROPERTY LINE OF THE STREET, UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER, AND HAVE A MINIMUM SLOPE OF ONE-FOURTH INCH PER FOOT, DRAINING TOWARD THE CURB, SAID GRADE TO MEET THE EQUIVALENT TOP OF A SIX INCHES CURB.

MATERIALS : CONCRETE SHALL BE REQUIRED IN ALL CASES AND SHALL BE CLASS "A" CONCRETE WITH A COMPRESSIVE STRENGTH OF 3,800 PSI. AT 28 DAYS. EXPANSION JOINT FILLERS SHALL CONSIST OF (A) 12"x4" PREMOLDED JOINT FILLERS COMPLYING WITH ASTM D994, ASTM D1751, ASTM D1752, OR (B) 12"x4" WOOD FILLERS BEING CLEAR HEART RED WOOD OR CLEAR ALL HEART RED CEDAR, UNLESS OTHERWISE SPECIFIED BY THE CITY ENGINEER.

THE CONSTRUCTION OF CONCRETE SIDEWALKS AND ANY ADDITIONAL INFORMATION CONCERNING MATERIALS SHALL CONFORM TO THE FOLLOWING SECTIONS AND SUBSECTIONS OF THE ADOPTED CITY OF SHREVEPORT STANDARD SPECIFICATIONS FOR STREET AND STORM DRAINAGE, AS LISTED BELOW :

- MATERIALS :**
- PORLAND CEMENT CONCRETE - SUBSECTION 201.1 (CLASS A)
 - JOINTS - SUBSECTION 201.3
 - SUBGRADE - SECTION 401
 - CURING COMPOUND - SUBSECTION 201.4
- CONSTRUCTION :**
- JOINTS - SUBSECTION 605.5
 - FORMS - SUBSECTION 605.3
 - PLACING OF CONCRETE - SUBSECTION 605.4
 - FINISHING - SUBSECTION 605.6
 - PROTECTION - SUBSECTION 601.9
 - BACKFILLING AND CLEANUP - SUBSECTION 605.9

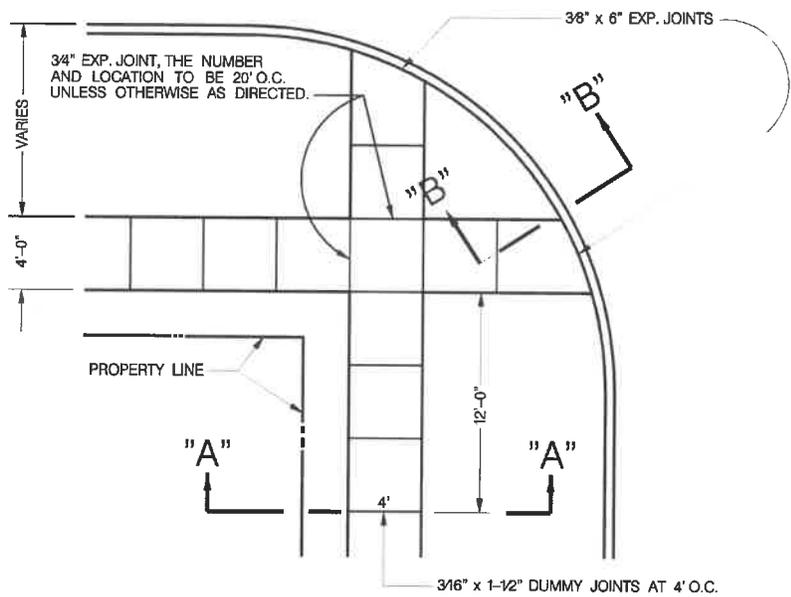


CITY OF SHREVEPORT

CONCRETE SIDEWALK DETAIL

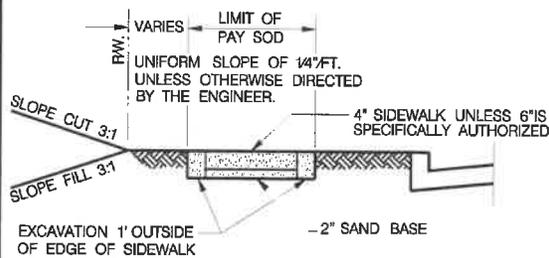
USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
 CHECKED: AZ
 APPROVED:
REW
 REVISED: _____

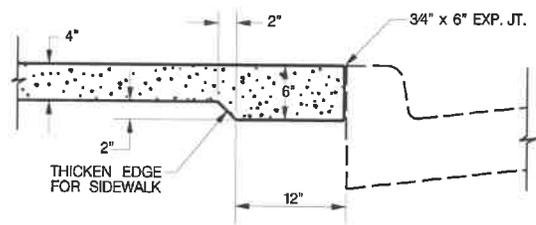


NOTE : FOR HANDICAP RAMP LOCATION AND DETAIL SEE SHEET 2,3 AND 4

P L A N



SECTION "A - A"



SECTION "B - B"

GENERAL NOTES :

1. EXPANSION AND DUMMY JOINTS SHALL BE AS SHOWN ABOVE. EXP. JOINT SHALL ALSO BE PLACE IN THE SIDEWALK SECTION AT DRIVEWAY AND ALLEY RETURN. ALL JOINTS SHALL BE CLEAN AND EDGED WITH AN EDGER HAVING A 184" RADIUS. JOINTS SHALL BE FLUSH WITH THE FINISHED SURFACE.
2. FORMS SHALL BE EITHER WOOD OR STEEL AND SHALL MEET ALL REQUIREMENTS OF THESE SPECIFICATIONS.
3. PROCEDURES : FOR FUTHER REQUIREMENTS FOR FORMS, FORMS SETTING, PLACING, FINISHING AND CURING REFER TO STANDARD SPECIFICATIONS AND BID DOCUMENTS.
4. ALL UTILITY POLES, METER BOXES, ECT. IN SIDEWALK AREA SHALL HAVE 3/8" JOINT MATERIAL (FULL DEPTH) PLACE AROUND THEM BEFORE PLACING CONCRETE.
5. NEW 4" SIDEWALK IS TO SIT ON 2" SAND BASE. THE GRADE OF THE NEW SIDEWALK IS TO MATCH THE OLD GRADE, EXCAVATION TO A DEPTH OF 6" BELOW THE FINISHED GRADE FOR A WIDTH OF ONE (1) FT. OUTSIDE OF THE EDGE OF THE SIDEWALK IS REQUIRED. EXCAVATION AND SAND BASE IS INCIDENTAL TO THE COST PER SQUARE YARD OF NEW 4" SIDEWALK.
6. NEW 6" SIDEWALK ON 2" SAND BASE WILL ONLY BE USED WHEN SPECIFICALLY AUTHORIZED BY THE CITY.

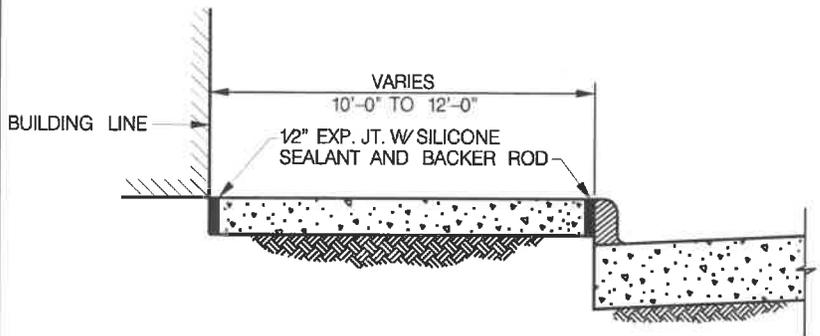


CITY OF SHREVEPORT

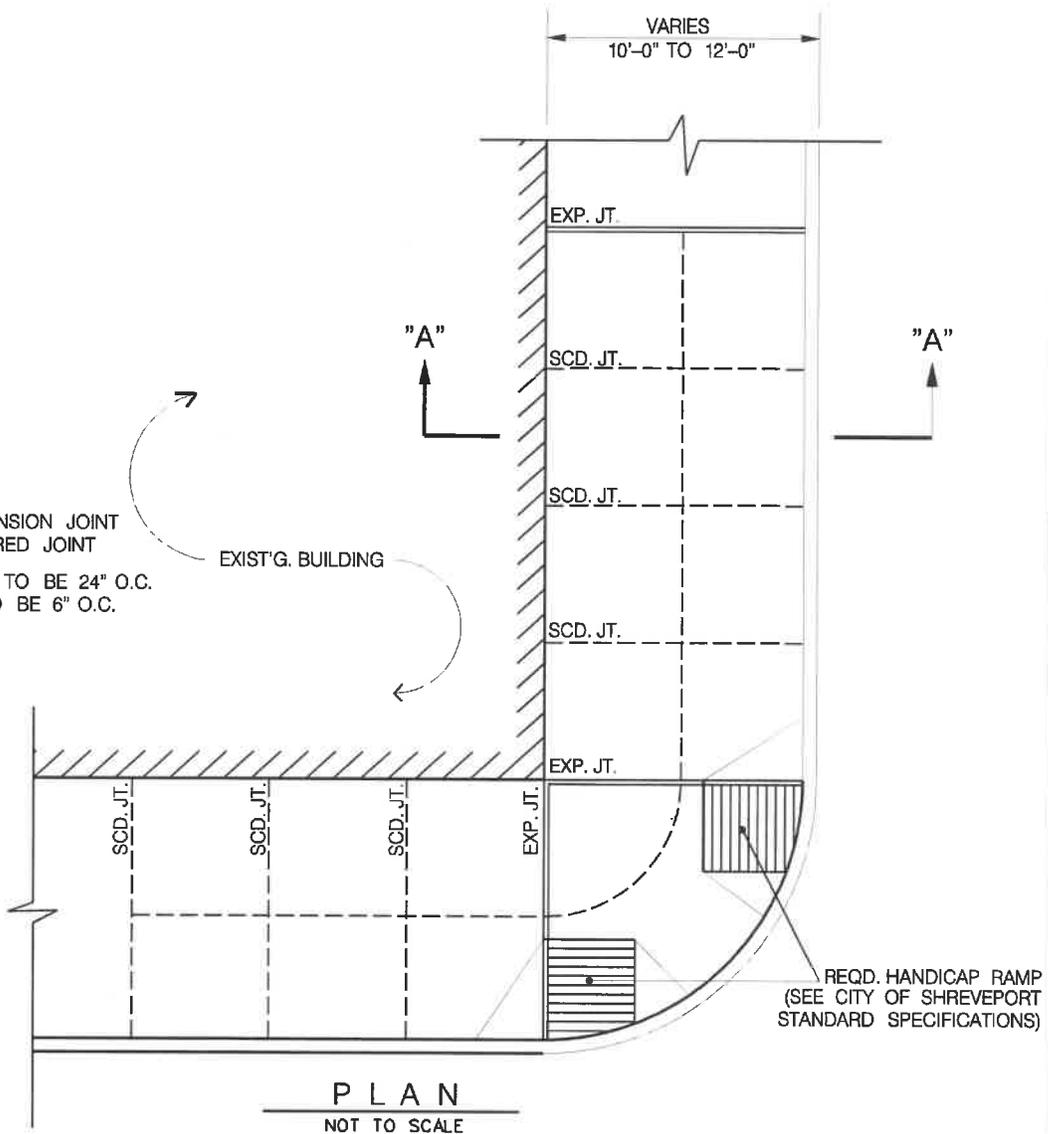
CONCRETE SIDEWALK DETAIL

USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
 CHECKED: AZ
 APPROVED:
REW
 REVISED: _____



SECTION "A - A"
 NOT TO SCALE



NOTES :
 EXP. JT. = EXPANSION JOINT
 SCD. JT. = SCORED JOINT
 EXPANSION JOINTS TO BE 24" O.C.
 SCORED JOINTS TO BE 6" O.C.
 EACH WAY.

PLAN
 NOT TO SCALE

REQD. HANDICAP RAMP
 (SEE CITY OF SHREVEPORT
 STANDARD SPECIFICATIONS)



CITY OF SHREVEPORT
 TYPICAL SIDEWALK DETAIL
 FOR DOWNTOWN SIDEWALK
 USE WITH CITY OF SHREVEPORT STANDARD SPECIFICATIONS

DRAWN: Nhan Tran
 CHECKED: AZ
 APPROVED:
REW
 REVISED: _____