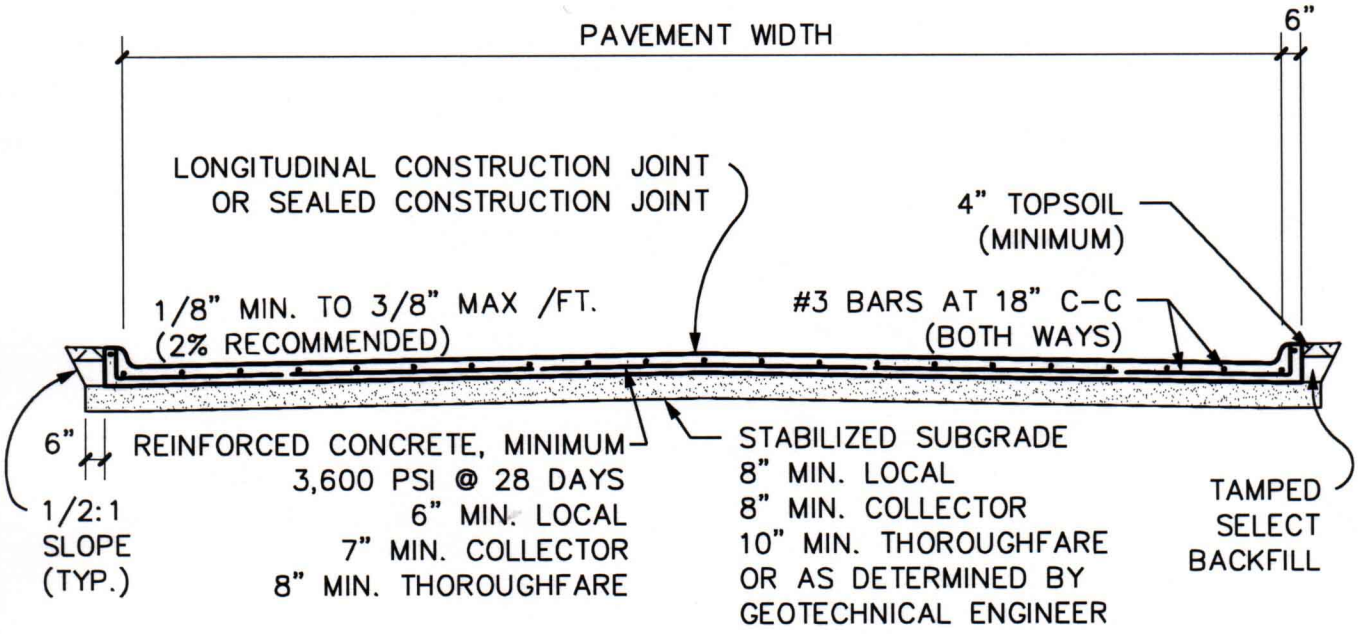
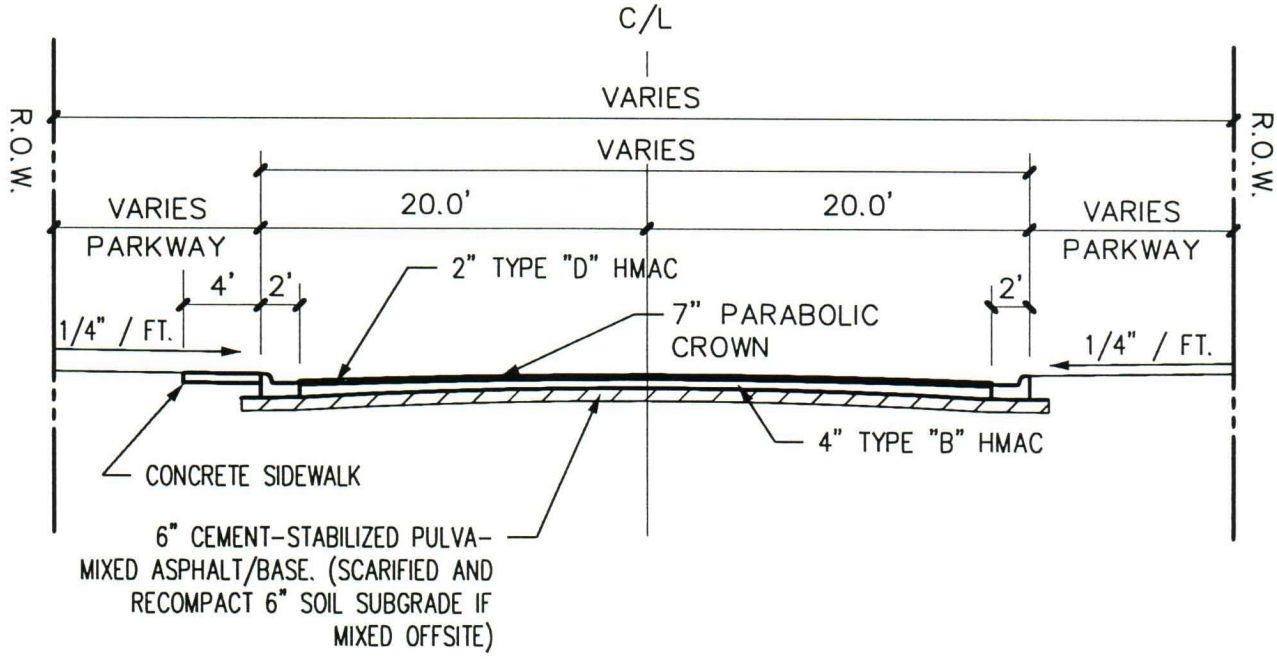


TYPICAL URBAN SECTION

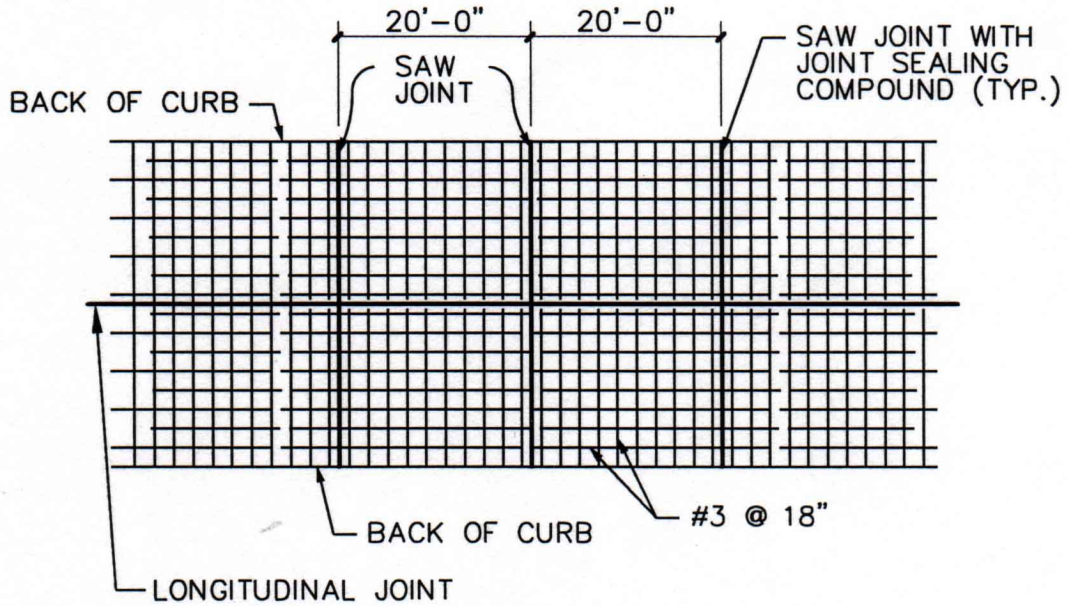
(CURB AND GUTTER)

NOTE: SEE STANDARD CURB & GUTTER DETAIL

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS CONCRETE STREET SECTIONS	REVISED OCT 2001 SCALE: 1" = 5' SHEET: P-1A



CITY OF DECATUR	PAVING CONSTRUCTION DETAILS ASPHALT STREET SECTIONS	REVISED MAR 2000 SCALE: 1" = 5' SHEET: P-1B

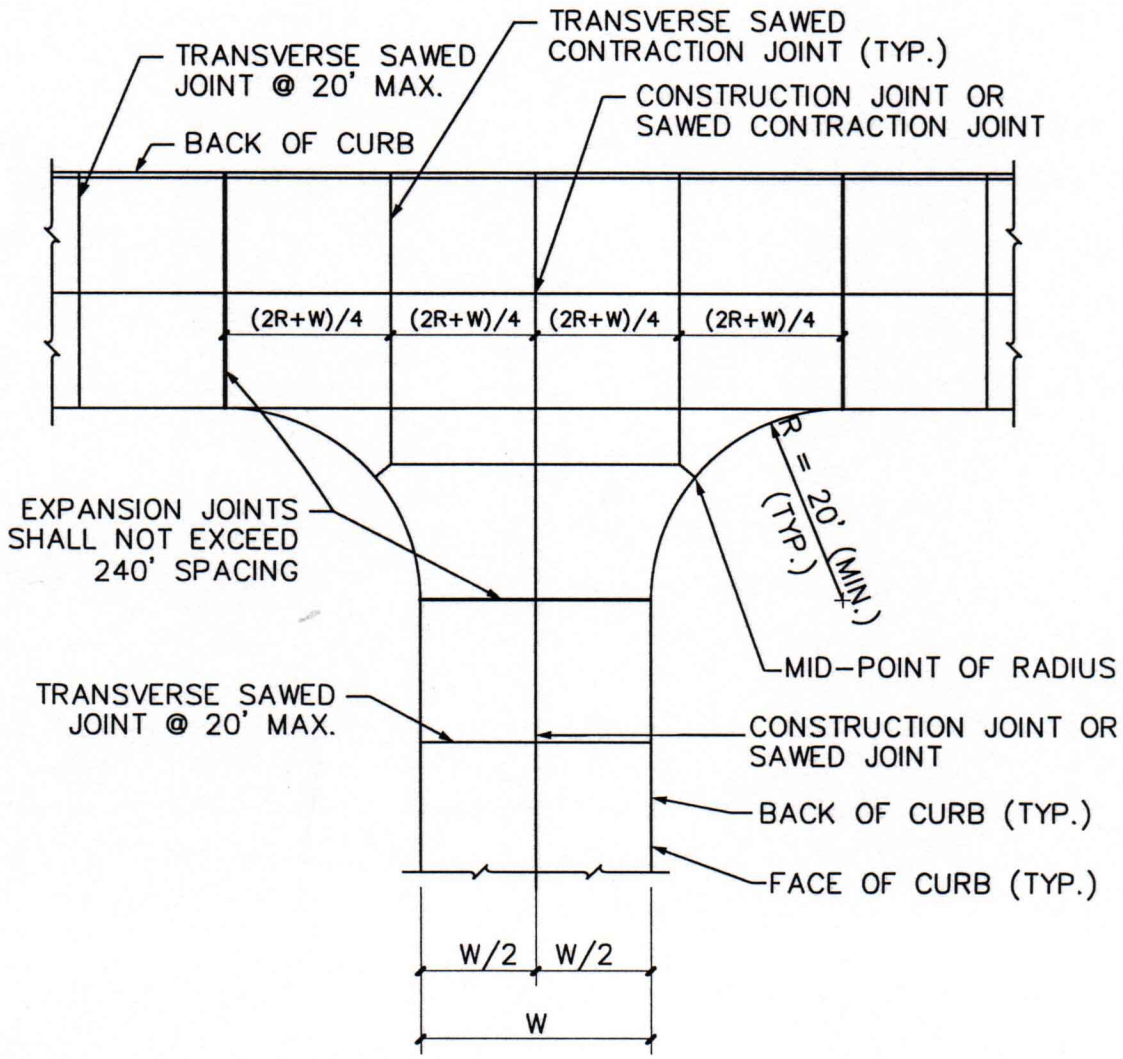


PLAN

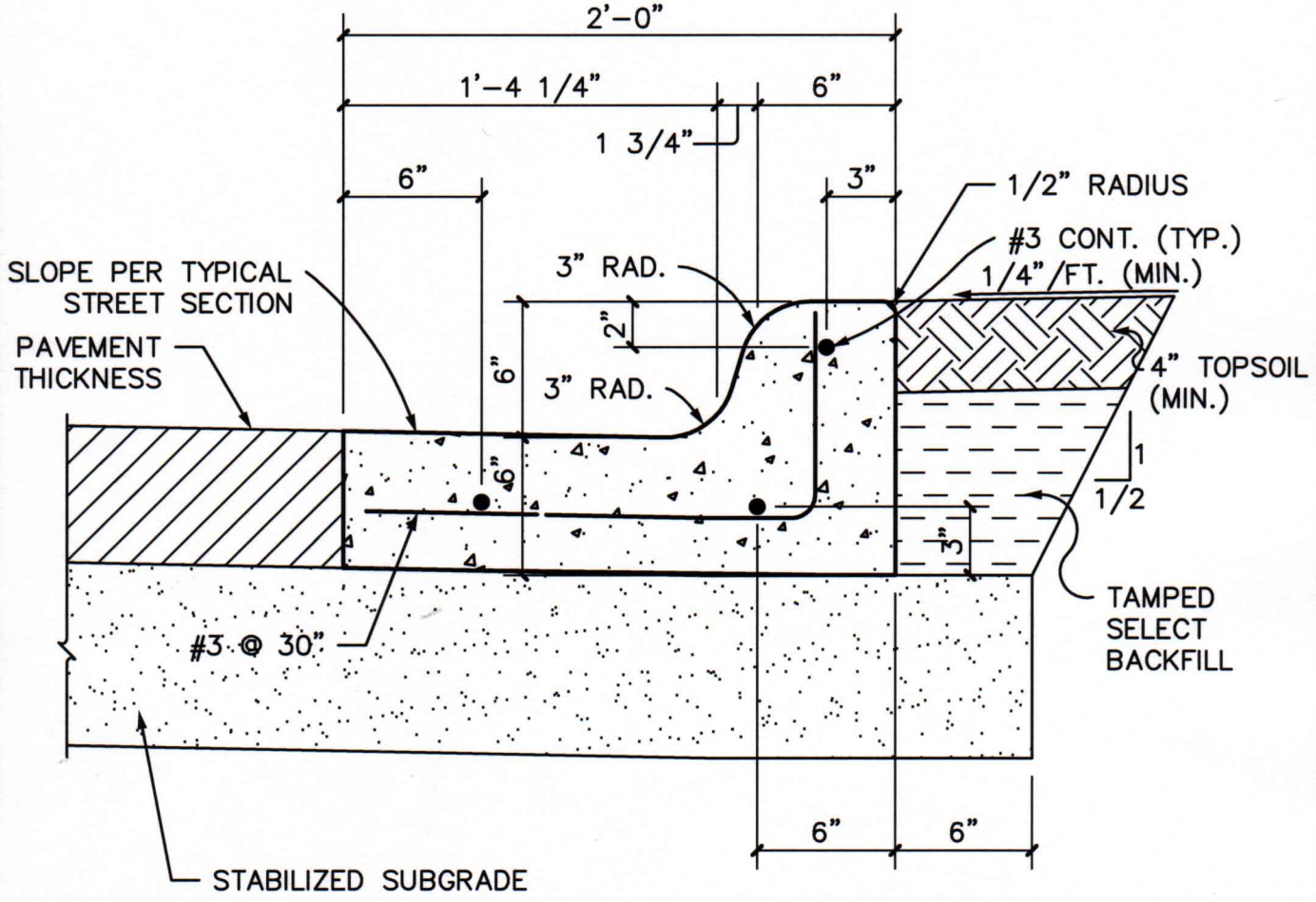
NOTES:

1. CONSTRUCT SAW JOINTS AT 20' (MAX).
2. EXPANSION JOINTS TO BE AT INTERSECTIONS, BRIDGES AND OTHER STRUCTURES.
3. EXPANSION JOINT SPACING SHALL NOT EXCEED 240'.
4. ALL JOINTS TO BE PROPERLY SEALED WITH JOINT SEALING COMPOUND CONSISTING OF HOT POURED RUBBER PER SPEC. ITEM 2.2.10.
5. MONOLITHIC CURB SHALL BE USED WITH THIS TYPE OF PAVING.
6. LONGITUDINAL SAW JOINT REQUIRED FOR EACH LANE SEPERATION.

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS STEEL LAYOUT PLAN	REVISED MAR 2000 SCALE: 1" = 20' SHEET: P-2



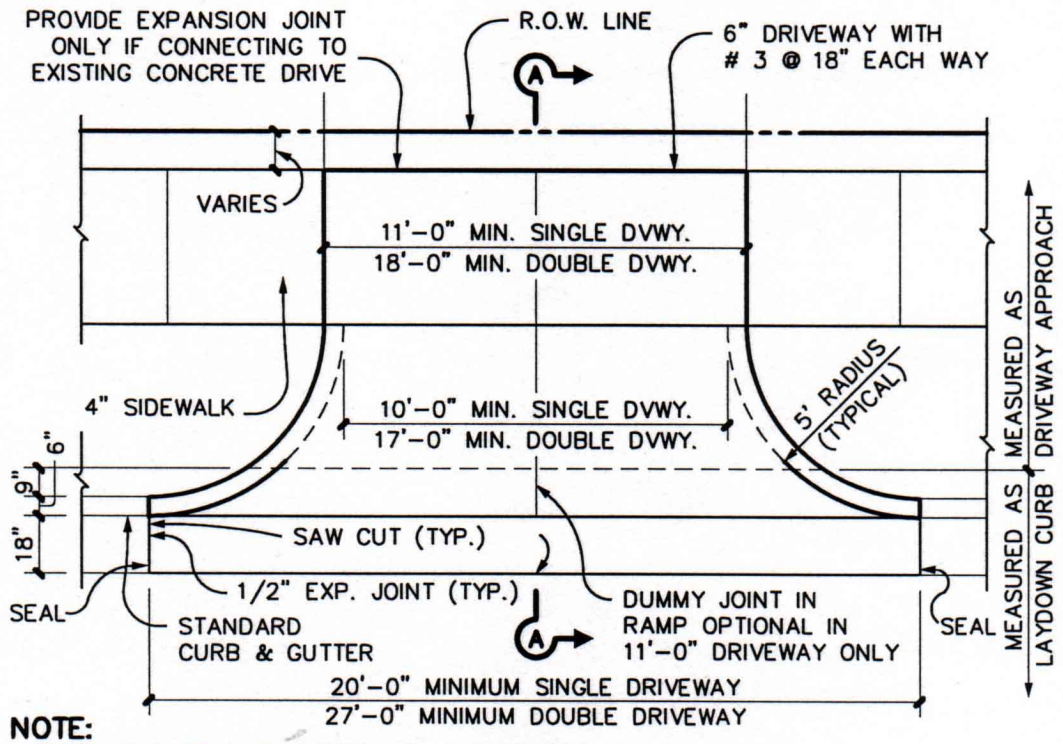
CITY OF DECATUR	PAVING CONSTRUCTION DETAILS INTERSECTION JOINT SPACING	REVISED MAR 2000 SCALE: 1" = 20' SHEET: P-3



NOTES:

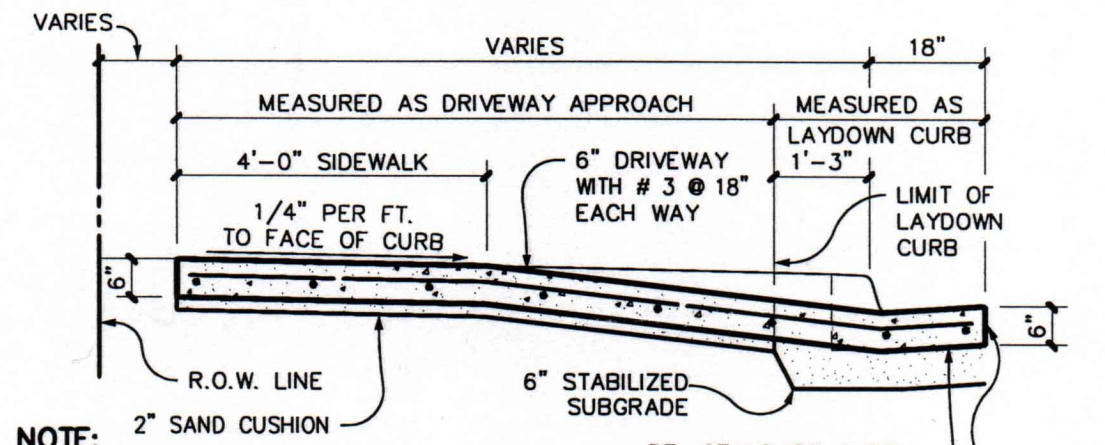
1. CONTRACTOR MAY OMIT TRANSVERSE #3 REBAR IF PLACING CURB AND GUTTER MONOLITHICALLY.
2. REINFORCED CONCRETE SHALL BE MINIMUM 3,600 PSI @ 28 DAYS

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS STANDARD CURB AND GUTTER	REVISED OCT 2001 SCALE: 1/2" = 1' SHEET: P-4



NOTE:
EXISTING CURB AND GUTTER, IF ANY, MUST BE SAW CUT AS DIRECTED BY THE ENGINEER.

SCALE: 1" = 5'

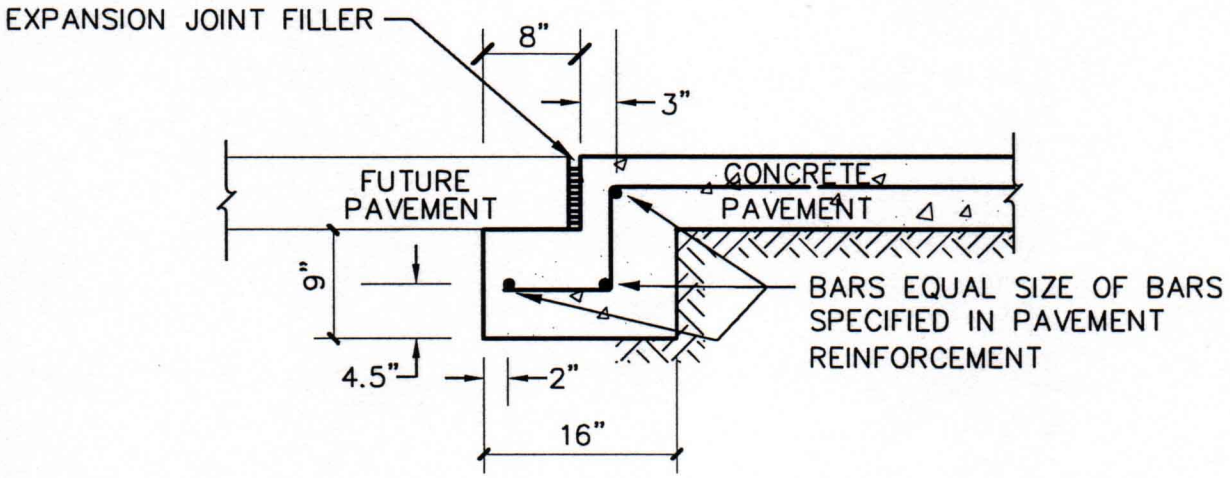


NOTE:
SIDEWALK SECTION THRU DRIVEWAY SHALL BE POURED SAME THICKNESS AS DRIVEWAY APPROACH AND PAID FOR AS DRIVEWAY APPROACH (EXISTING SIDEWALK, IF ANY, SHALL BE REMOVED).

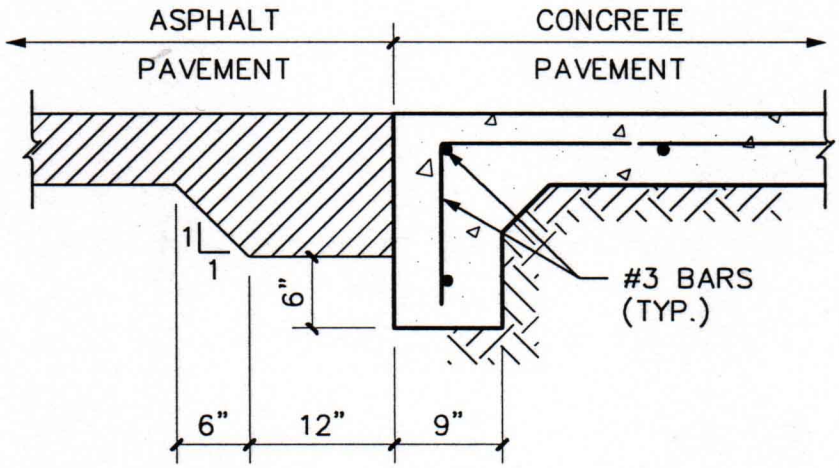
SECTION A-A

SCALE: 1" = 2.5'

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS **LAYDOWN CURB AND DRIVEWAY**	REVISED MAR 2000 SCALE: AS MARKED SHEET: P-5



STREET HEADER FOR FUTURE PAVEMENT

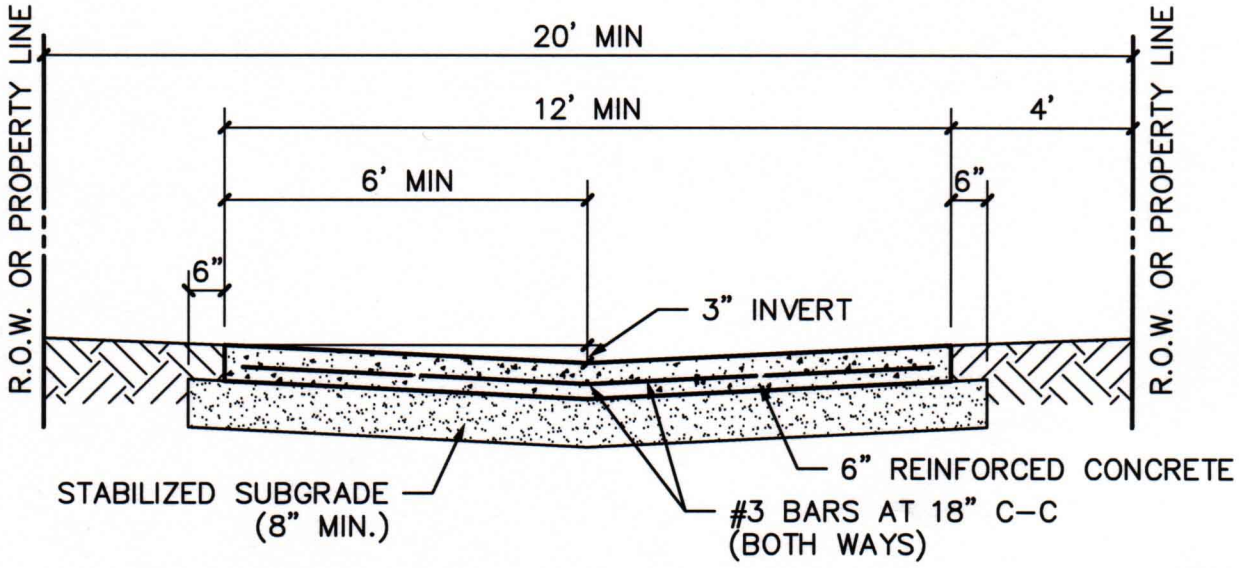


ASPHALT TO CONCRETE HEADER

NOTES

1. PAVEMENT BARS TO BE BENT DOWN INTO HEADER.
2. HEADER AND PAVEMENT TO BE MONOLITHIC.

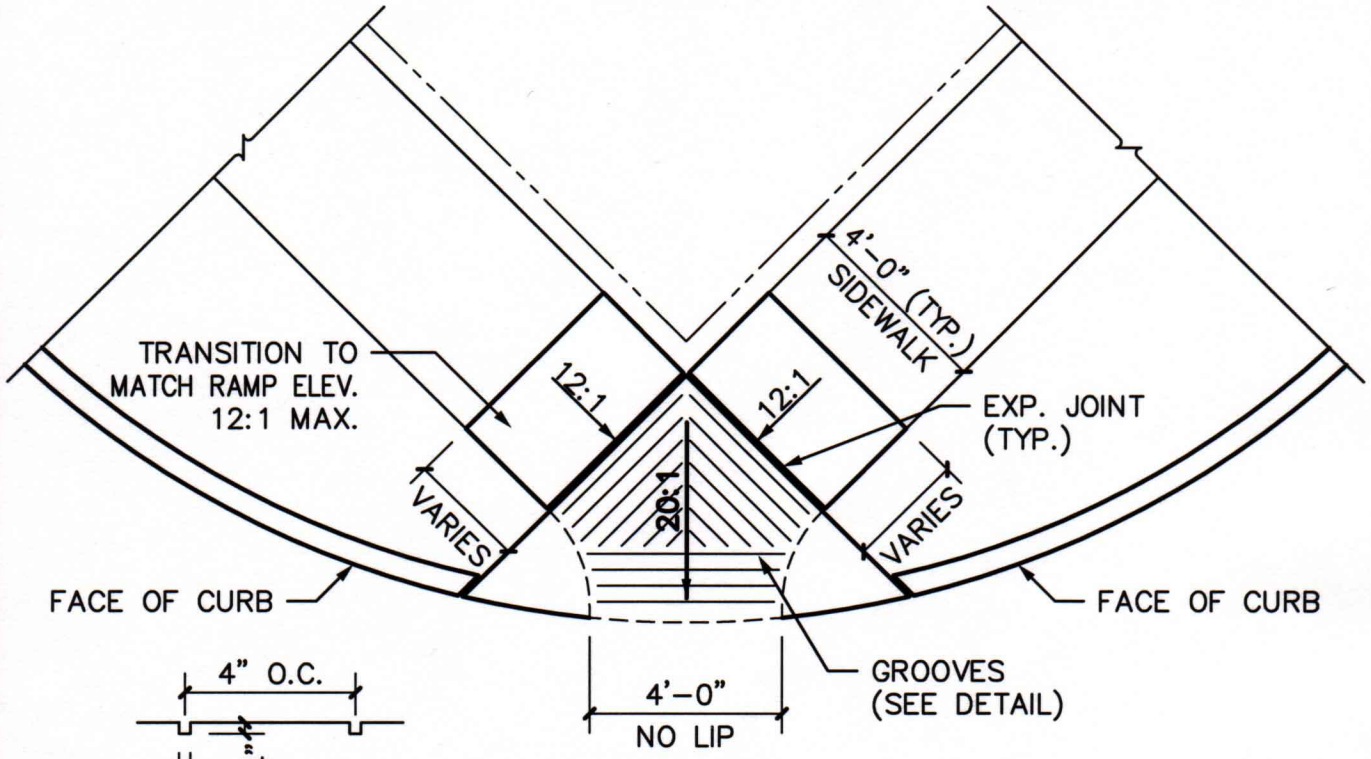
CITY OF DECATUR	PAVING CONSTRUCTION DETAILS STREET HEADER	REVISED MAR 2000 SCALE: 3/4" = 1' SHEET: P-6



NOTES:

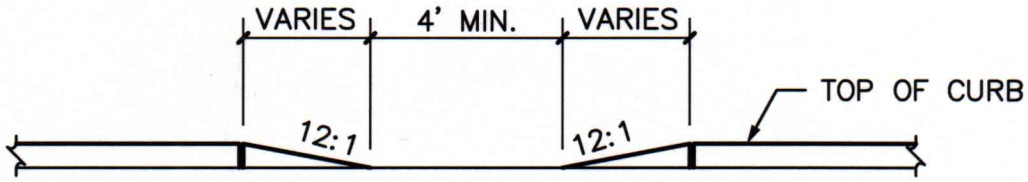
1. CONSTRUCT TRANSVERSE SAWED JOINTS @ 20' (MAX.)
2. REINFORCED WITH #3 BARS AT 18" C–C BOTH WAYS.
3. ALTERNATE REINFORCEMENT – #4 BARS AT 30" C–C BOTH WAYS.
4. EXPANSION JOINTS TO BE PLACED AT ALL INTERSECTIONS AND NOT TO EXCEED 240' BETWEEN JOINTS.
5. CONCRETE FOR ALLEYS SHALL BE MINIMUM 3,600 PSI @ 28 DAYS.

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS TYPICAL ALLEY SECTION	REVISED OCT 2001 SCALE: 3/8" = 1' SHEET: P–7



GROOVES SECTION

PLAN



ELEVATION

NOTES:

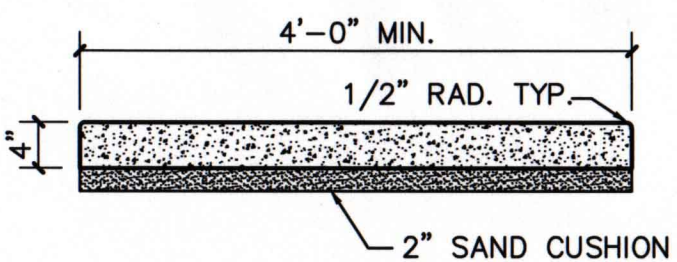
1. INSTALL 1/2" ø X 18" SMOOTH DOWELS @ 18" (GREASE ON ONE SIDE) THROUGH EXPANSION JOINTS.
2. 20:1 SLOPE ON WHEELCHAIR RAMP AND 12:1 SLOPE ON RAMP WINGS.
3. RAMPS SHALL HAVE A HEAVY BROOM FINISH WITH GROOVES ALIGNED PERPENDICULAR TO THE DIRECTION OF TRAVEL.
4. ALL RAMPS SHALL COMPLY WITH THE REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT.
5. CONCRETE FOR RAMPS SHALL BE MINIMUM 3,600 PSI @ 28 DAYS.

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS **WHEELCHAIR RAMP**	REVISED OCT 2001 SCALE: 1" = 4' SHEET: P-8

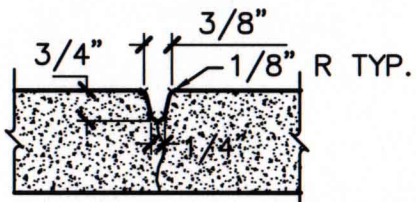
CITY OF DECATUR

PAVING CONSTRUCTION DETAILS

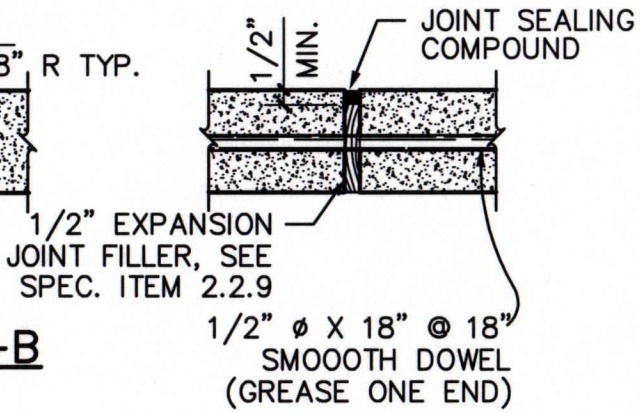
CONCRETE SIDEWALK

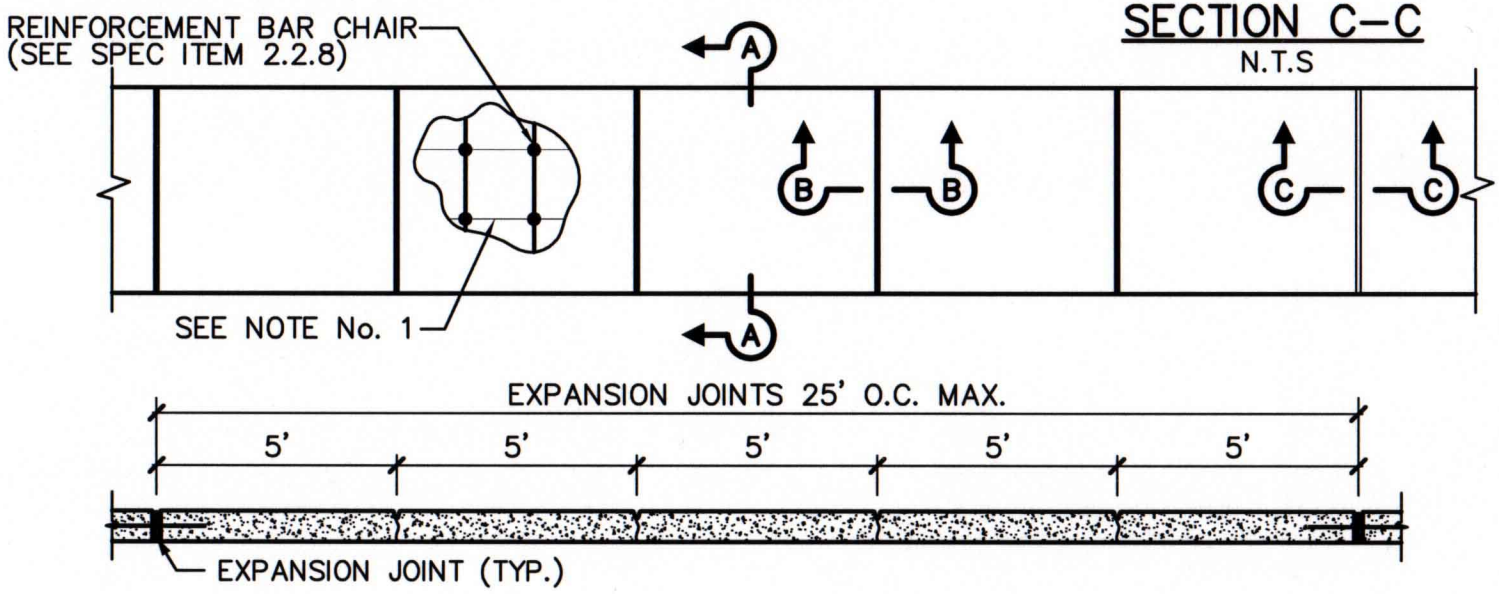


SECTION A-A
N.T.S



SECTION B-B
N.T.S





SECTION C-C
N.T.S

NOTE:

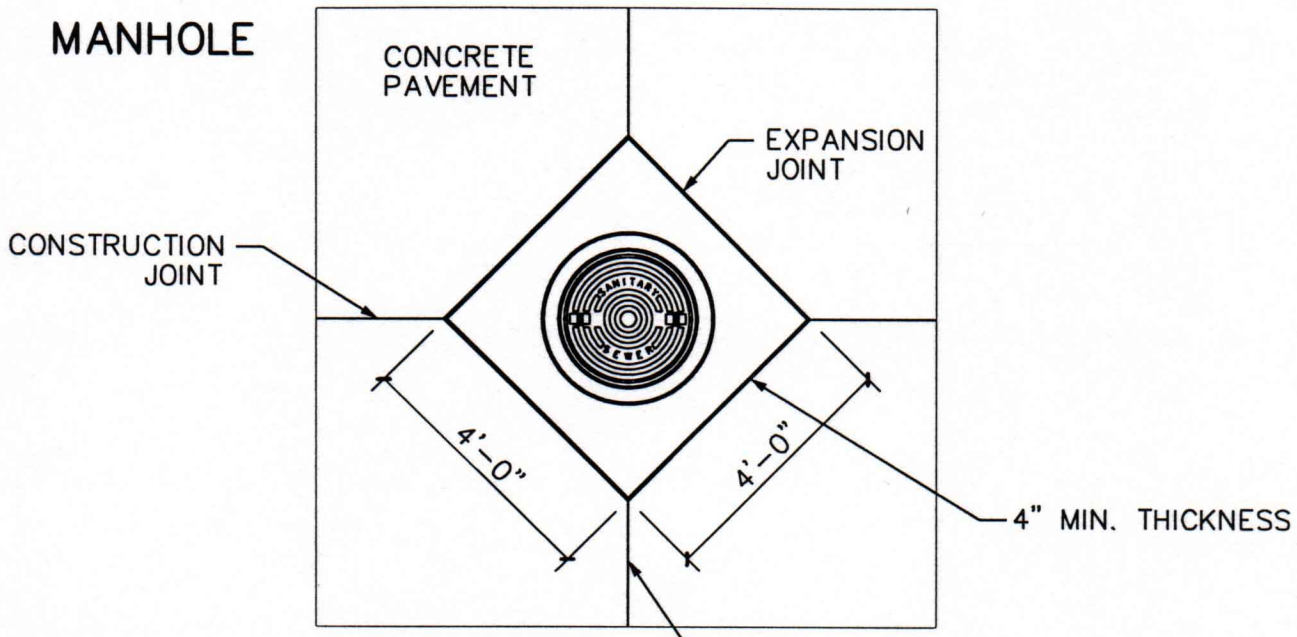
1. REINFORCEMENT TO BE #3 BARS AT 18" C-C OR WELDED WIRE FABRIC 6X6 – W4.0 X W4.0
2. DOWEL WITH #4 BARS AT 18" C-C WHEN CONNECTING TO EXISTING SIDEWALKS, DRIVEWAYS, CURBS AND GUTTER.
3. INSTALL 1/2" ø X 18" SMOOTH DOWELS @ 18" (GREASE ONE END) THROUGH EXPANSION JOINTS.
4. CONCRETE FOR SIDEWALKS SHALL BE MINIMUM 3,600 PSI @ 28 DAYS.

REVISED OCT 2001

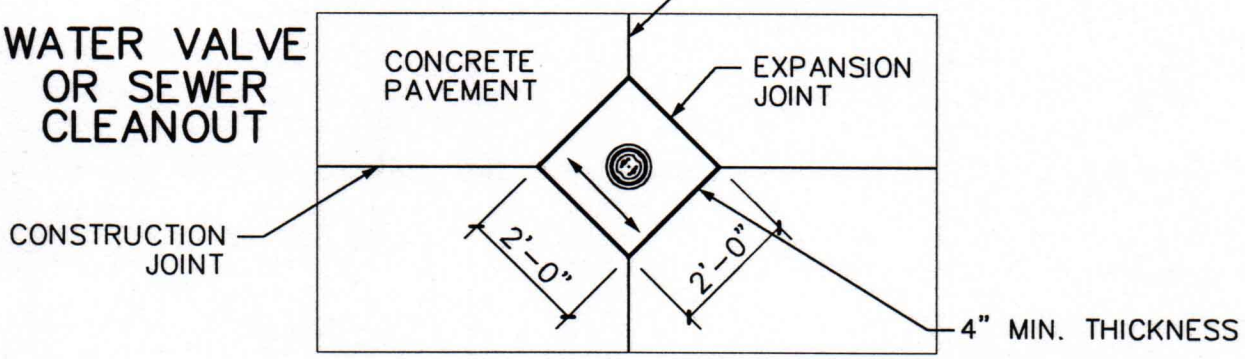
SCALE: N.T.S.

SHEET: P-9

MANHOLE



WATER VALVE OR SEWER CLEANOUT

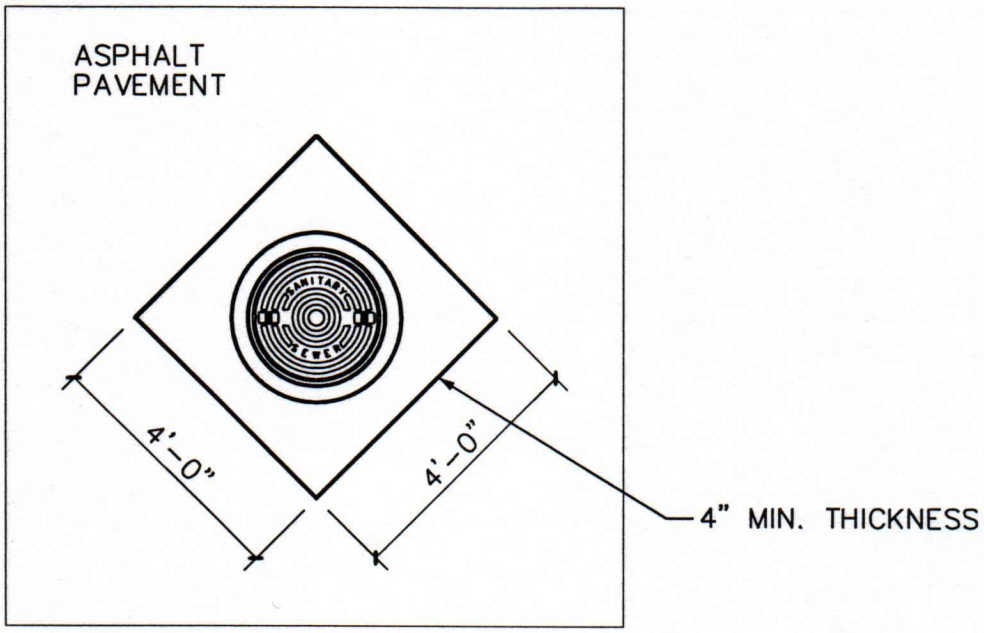


NOTES:

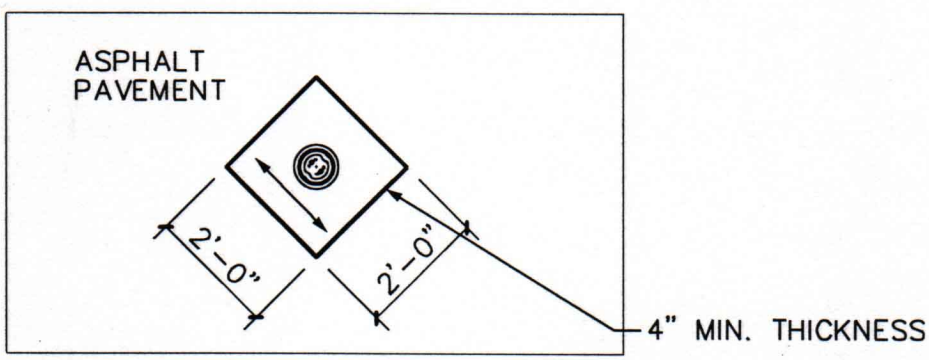
1. ALL CONCRETE PAVEMENT SHALL BE REMOVED ALONG NEAT SAW CUT LINES.
2. MANHOLE BOXOUT REQUIRED FOR ALL MANHOLES (STORM AND SANITARY) AND CLEANOUTS LOCATED IN THE STREET.
3. SEE SHEET P-3 FOR JOINT DETAILS.
4. SEE SHEET W-3 FOR WATER VALVE DETAIL.
5. SEE SHEET S-8 FOR SANITARY SEWER CLEANOUT DETAIL.

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS MANHOLE AND WATER VALVE BOXOUT	REVISED MAR 2000 SCALE: 1" = 3' SHEET: P-10A

MANHOLE



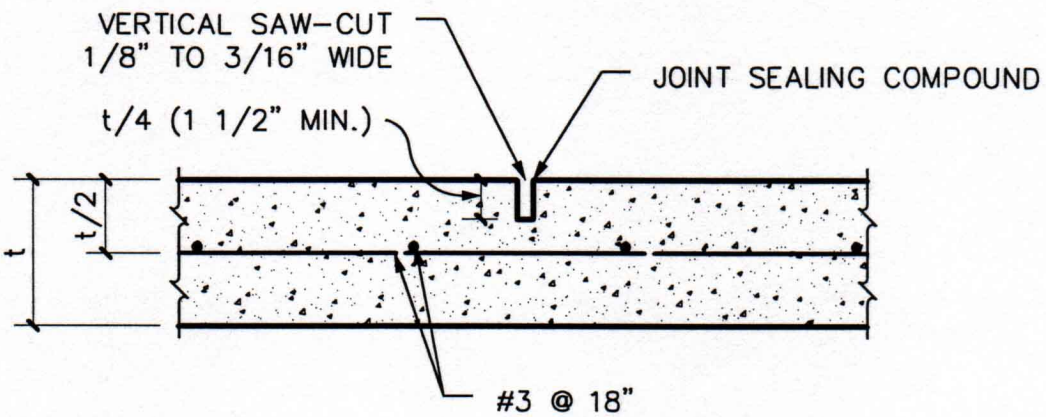
WATER VALVE OR SEWER CLEANOUT



NOTES:

1. ALL ASPHALT PAVEMENT SHALL BE REMOVED ALONG NEAT SAW CUT LINES.
2. MANHOLE BOXOUT REQUIRED FOR ALL MANHOLES (STORM AND SANITARY) AND CLEANOUTS LOCATED IN THE STREET.
3. SEE SHEET P-3 FOR JOINT DETAILS.
4. SEE SHEET W-3 FOR WATER VALVE DETAIL.
5. SEE SHEET S-8 FOR SANITARY SEWER CLEANOUT DETAIL.

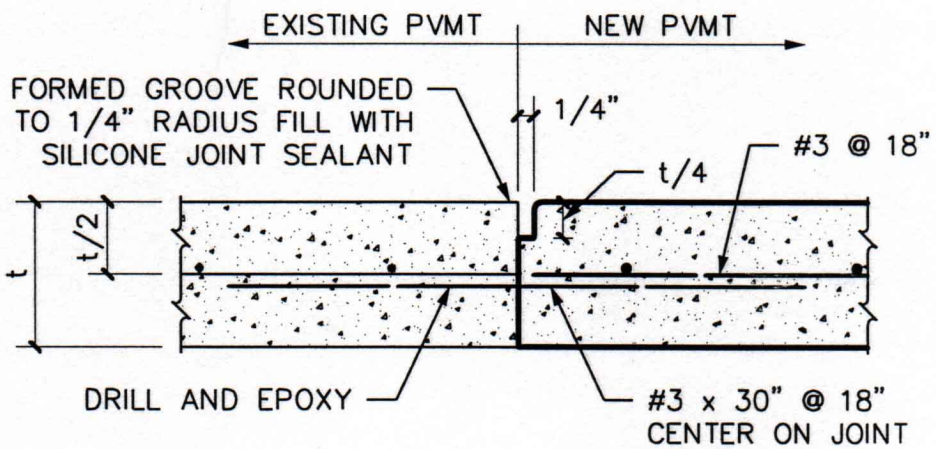
CITY OF DECATUR	PAVING CONSTRUCTION DETAILS MANHOLE AND WATER VALVE BOXOUT	REVISED MAR 2000 SCALE: 1" = 3' SHEET: P-10B



SAW JOINT

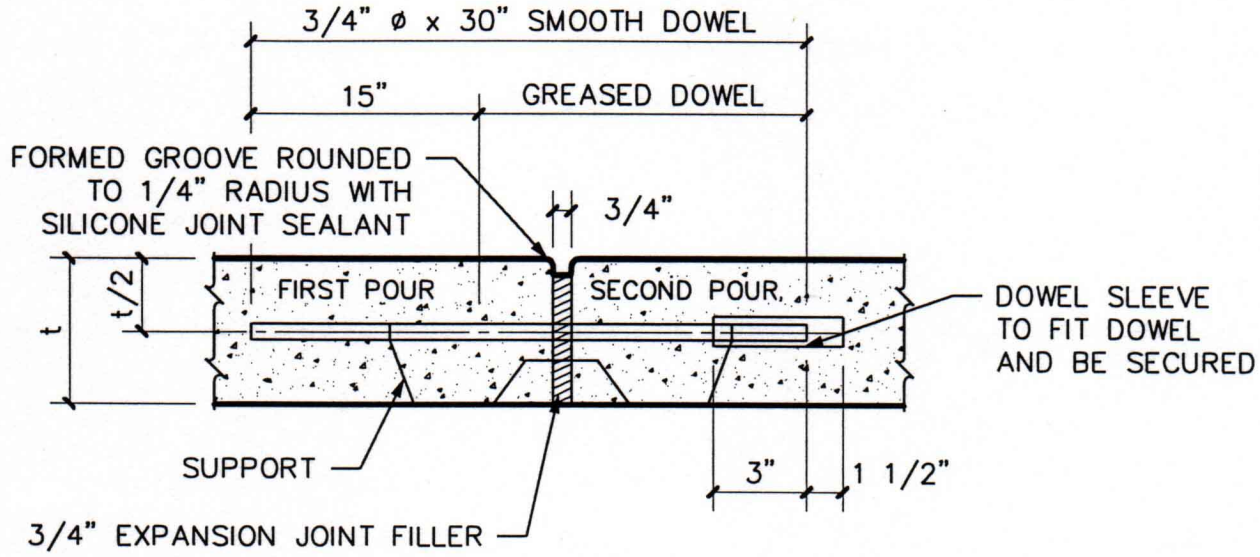
NOTE:

1. ALL DOWEL BARS SHALL BE INSTALLED PERPINDICULAR TO JOINT @ 18" SPACING.
2. SILICONE JOINT SEALANT SHALL BE DOW CORNING 890 SL, OR APPROVED EQUAL.



SAWED CONSTRUCTION JOINT

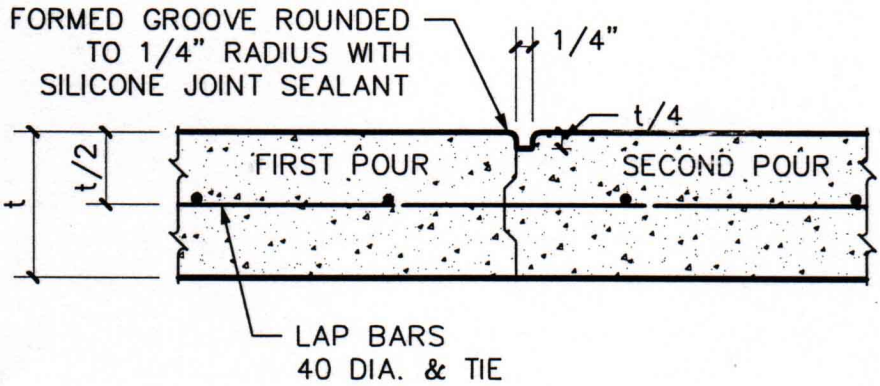
CITY OF DECATUR	PAVING CONSTRUCTION DETAILS CONCRETE PAVEMENT JOINTS	REVISED MAR 2000 SCALE: N.T.S. SHEET: P-11A



EXPANSION JOINT

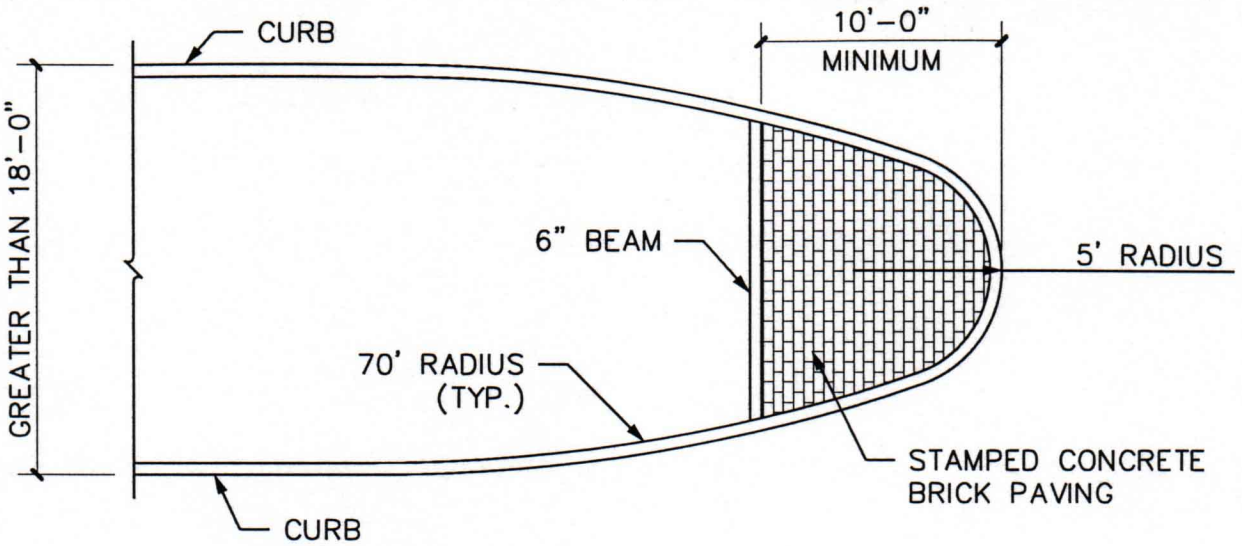
NOTE:

1. ALL DOWEL BARS SHALL BE INSTALLED PERPINDICULAR TO JOINT @ 18" SPACING.
2. SILICONE JOINT SEALANT SHALL BE DOW CORNING 890 SL, OR APPROVED EQUAL.

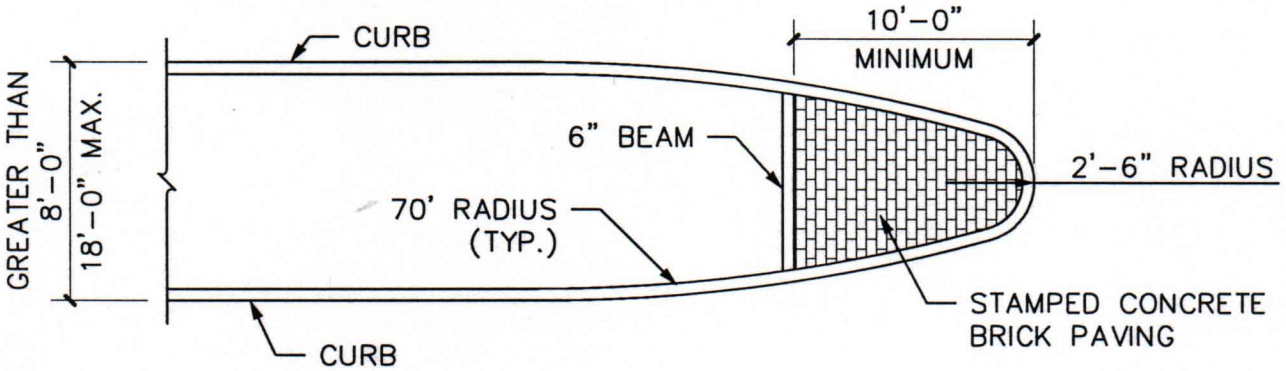


CONSTRUCTION JOINT

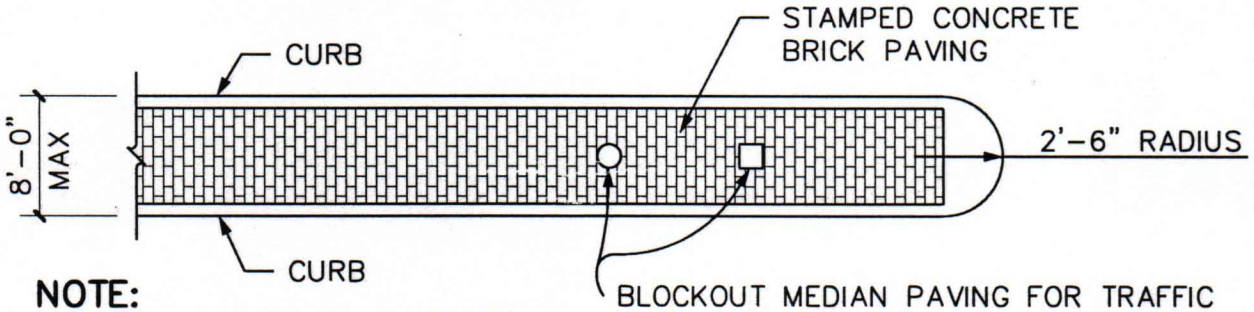
CITY OF DECATUR	PAVING CONSTRUCTION DETAILS CONCRETE PAVEMENT JOINTS	REVISED MAR 2000 SCALE: N.T.S. SHEET: P-11B



MEDIAN NOSE TYPE "C"



MEDIAN NOSE TYPE "B"



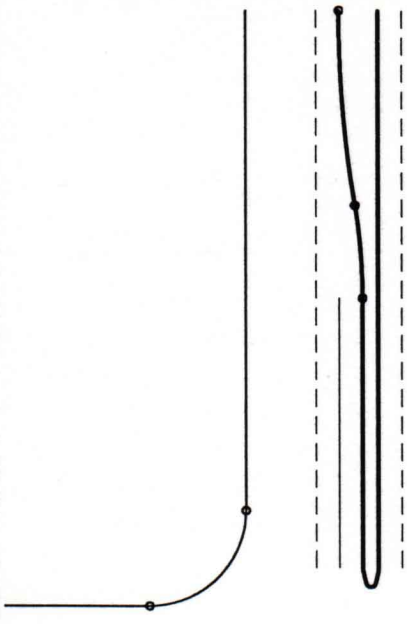
NOTE:

1. PAVING IS TO BE EXTENDED TO THE P.R.C. OF THE MEDIAN IN LEFT TURN LANES.

BLOCKOUT MEDIAN PAVING FOR TRAFFIC SIGNAL BASE/FOUNDATION, PULL BOX, OR LUMINARY BASE (IF LOCATIONS ARE KNOWN AND NOT INSTALLED WITH PAVING)

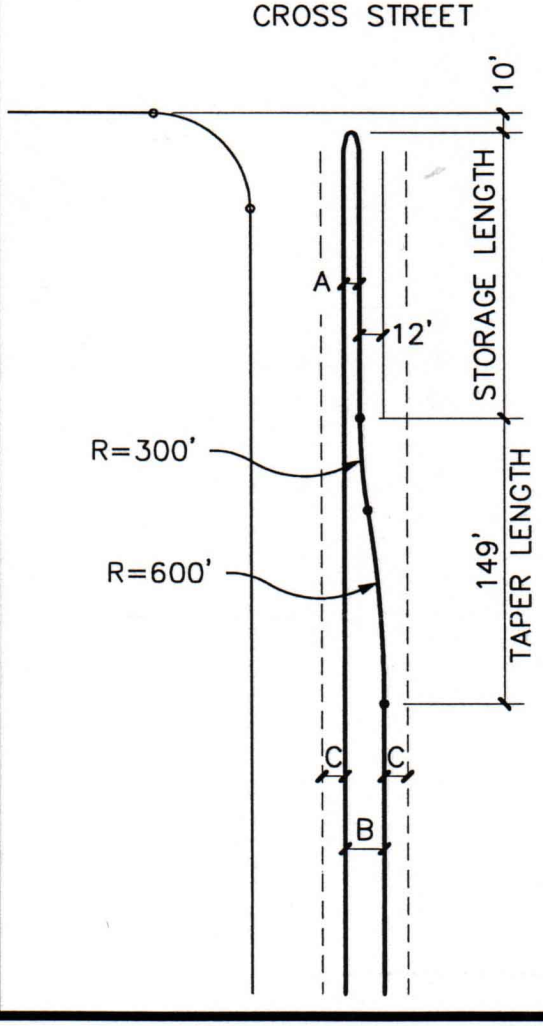
MEDIAN NOSE TYPE "A" (STANDARD LEFT TURN LANE MEDIAN)

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS MEDIAN NOSE	REVISED MAR 2000 SCALE: 1/8" = 1' SHEET: P-12



NOTES:

1. ONLY THOROUGHFARES MAY USE MEDIANS FOR LEFT TURN LANES.
2. THE NUMBER OF LANES VARIES BY STREET CLASSIFICATION.
3. MINIMUM REQUIRED STORAGE LENGTH IS BASED ON CROSS STREET CLASSIFICATION.
4. MEDIAN NOSE SHALL BE IN ACCORDANCE WITH MEDIAN NOSE DETAIL SHEET P–12.



CROSS STREET	MINIMUM STORAGE LENGTH
THOROUGHFARE:	
PRINCIPAL	200'
MAJOR	150'
MINOR	150'
COLLECTOR	100'
LOCAL	60'

CITY OF DECATUR

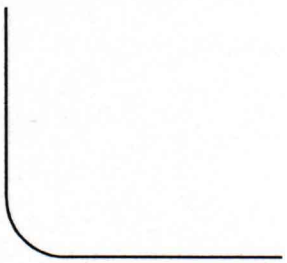
PAVING CONSTRUCTION DETAILS

LEFT TURN LANE IN MEDIAN

REVISED MAR 2000

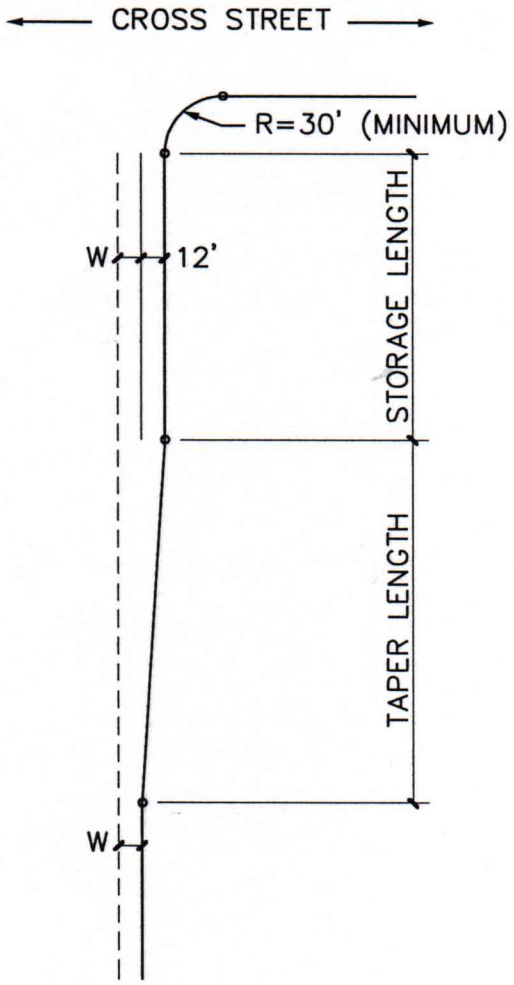
SCALE: 1" = 100'

SHEET: P–13



NOTES:

1. ONLY THOROUGHFARES AND COLLECTORS MAY UTILIZE UNCHANNELIZED RIGHT TURN LANES.
2. THE NUMBER OF ADJACENT LANES VARIES WITH STREET CLASSIFICATION.
3. MINIMUM REQUIRED STORAGE LENGTH IS BASED ON CROSS STREET CLASSIFICATION.



CROSS STREET	MIN. STORAGE LENGTH
THOROUGHFARE:	
PRINCIPAL	200'
MAJOR	150'
MINOR	150'
COLLECTOR	100'
LOCAL	60'

DESIGN SPEED	MIN. TAPER LENGTH
45	190'
50	210'
55	250'
60	270'
70	300'

CITY OF DECATUR

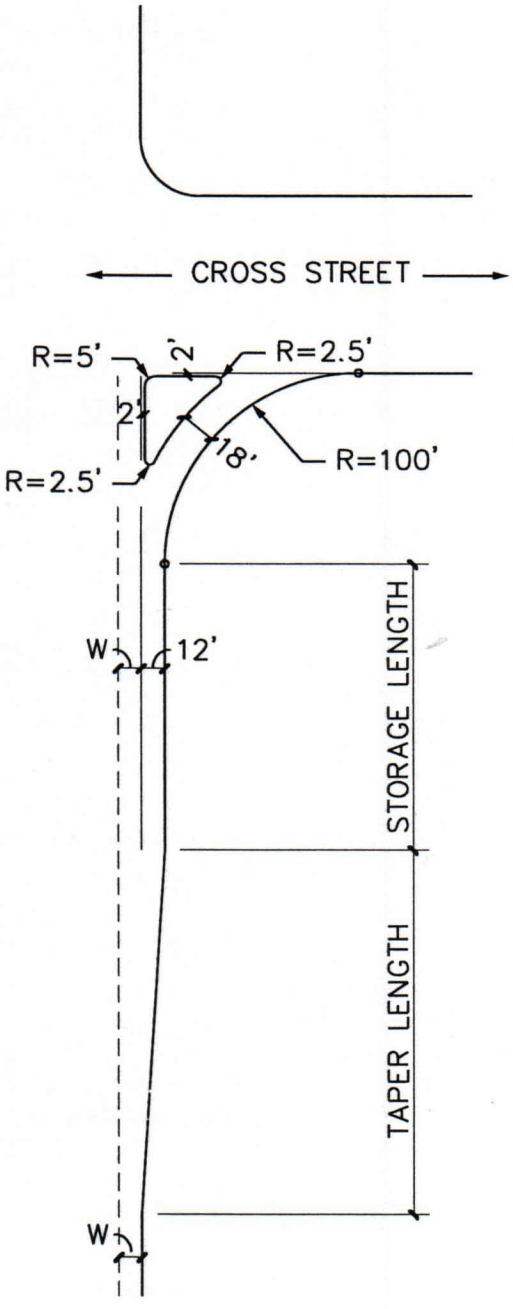
PAVING CONSTRUCTION DETAILS

RIGHT TURN LANE WITHOUT CHANNELIZATION

REVISED MAR 2000

SCALE: 1" = 100'

SHEET: P-14



NOTES:

1. ONLY THOROUGHFARES AND COLLECTORS MAY UTILIZE UNCHANNELIZED RIGHT TURN LANES.
2. THE NUMBER OF ADJACENT LANES VARIES WITH STREET CLASSIFICATION.
3. MINIMUM REQUIRED STORAGE LENGTH IS BASED ON CROSS STREET CLASSIFICATION.

CROSS STREET	MIN. STORAGE LENGTH
THOROUGHFARE:	
PRINCIPAL	200'
MAJOR	150'
MINOR	150'
COLLECTOR	100'
LOCAL	60'

DESIGN SPEED	MIN. TAPER LENGTH
50	230'
55	250'
60	270'
70	300'

CITY OF DECATUR

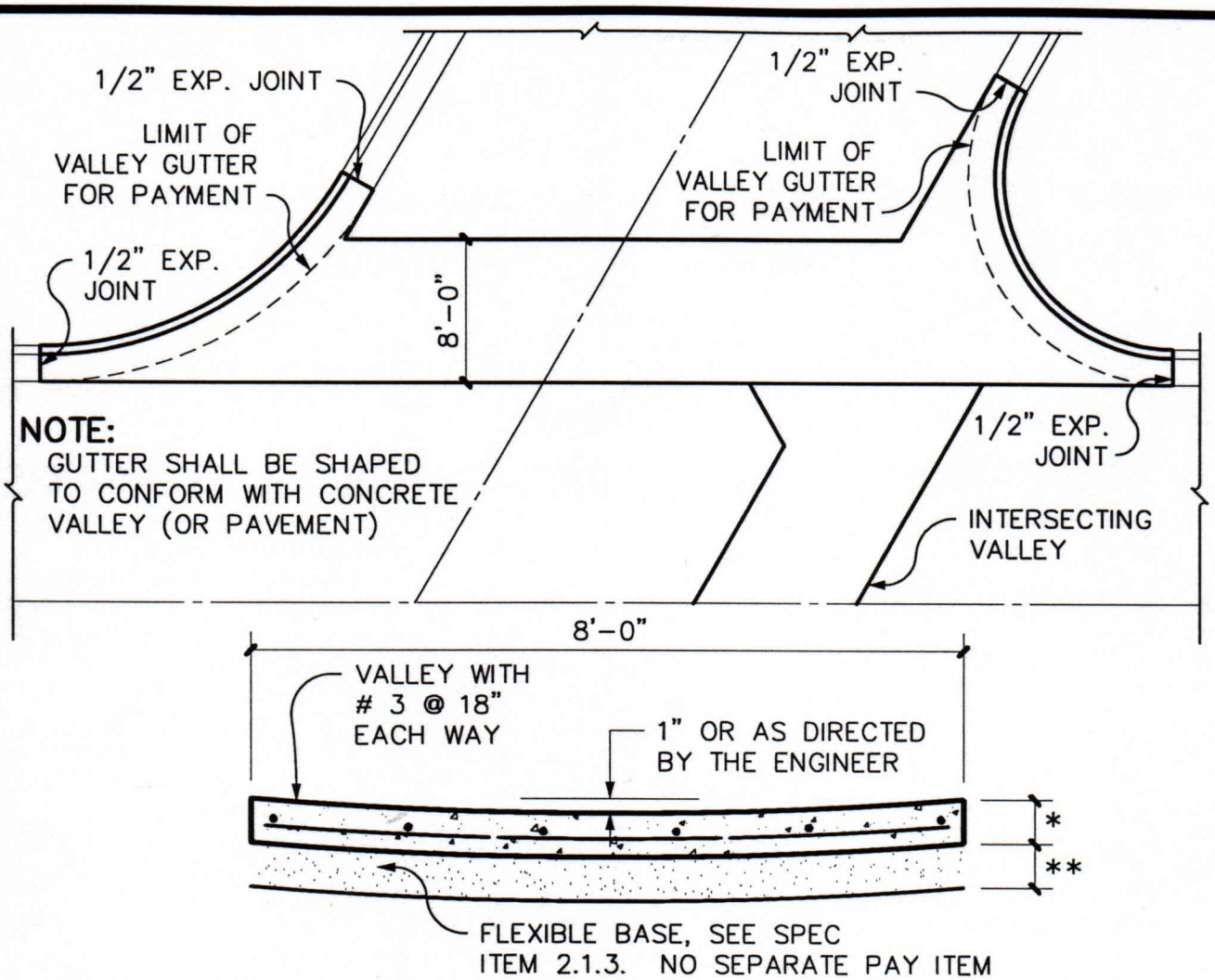
PAVING CONSTRUCTION DETAILS

RIGHT TURN LANE WITH CHANNELIZATION

REVISED MAR 2000

SCALE: 1" = 100'

SHEET: P-15



THE REINFORCED CONCRETE VALLEY SHALL REPLACE THE TOP OF THE PAVEMENT WITH THE REMAINING PORTION OF THE PAVEMENT TO BE CONSTRUCTED INCLUDING SUBGRADE TREATMENT, IN ACCORDANCE WITH THE TYPICAL PAVING SECTION. THE CONCRETE VALLEY WILL BE GOVERNED ACCORDING TO CITY STANDARDS FOR CONCRETE CURB AND GUTTER.

TRANSITION SECTION
FOR VALLEYS CROSSING MAJOR STREETS

DIST. FROM ℄ OF DIP	CROWN
0 FT	0.000 FT
5 FT	0.041 FT
10 FT	0.083 FT
20 FT	0.208 FT
30 FT	0.333 FT
40 FT	0.458 FT
50 FT	0.500 FT

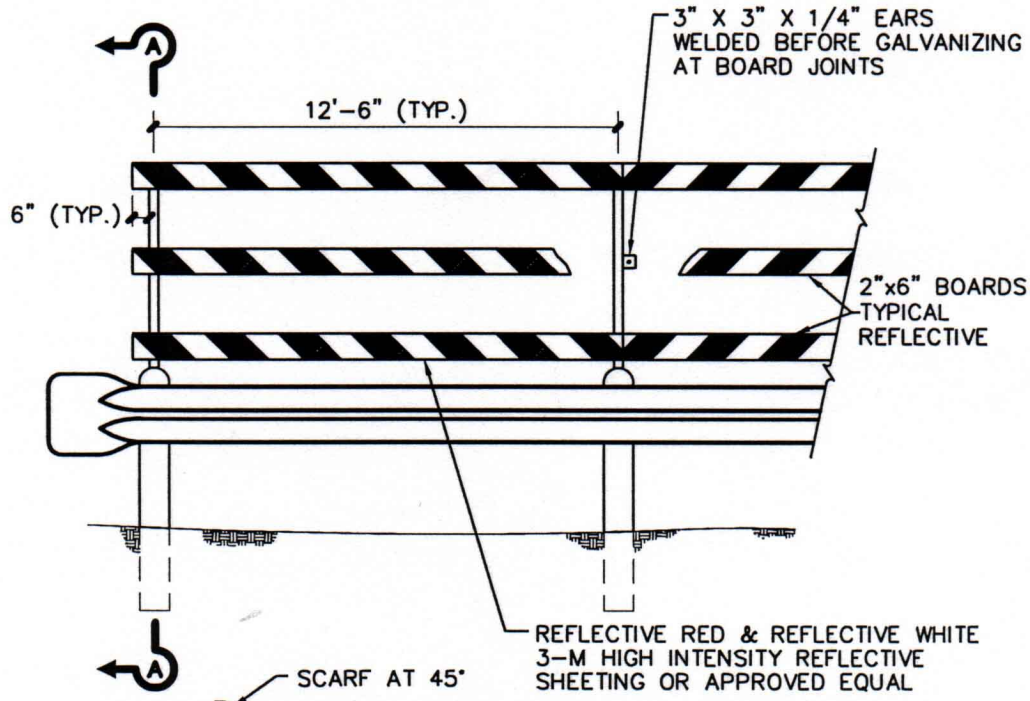
* 6" FOR LOCAL STREETS
7" FOR COLLECTOR STREETS
8" FOR THOROUGHFARE STREETS

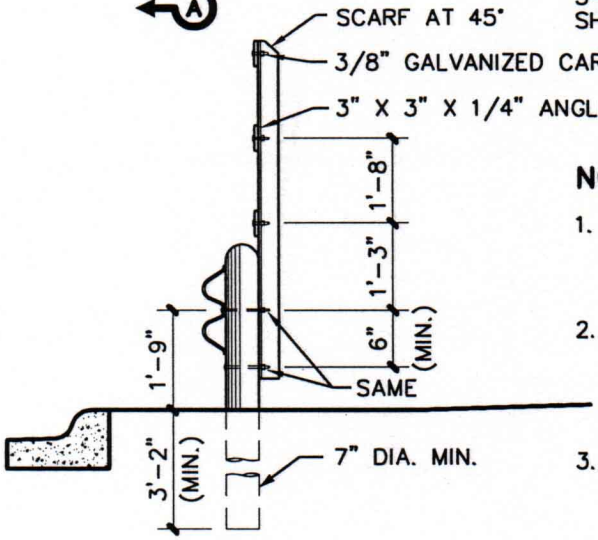
** 8" FOR LOCAL STREETS
8" FOR COLLECTOR STREETS
10" FOR THOROUGHFARE STREETS
OR AS DETERMINED BY GEOTECHNICAL ENGINEER

CITY OF DECATUR

PAVING CONSTRUCTION DETAILS
CONCRETE VALLEY

REVISED MAR 2000
SCALE: N.T.S.
SHEET: **P-16**



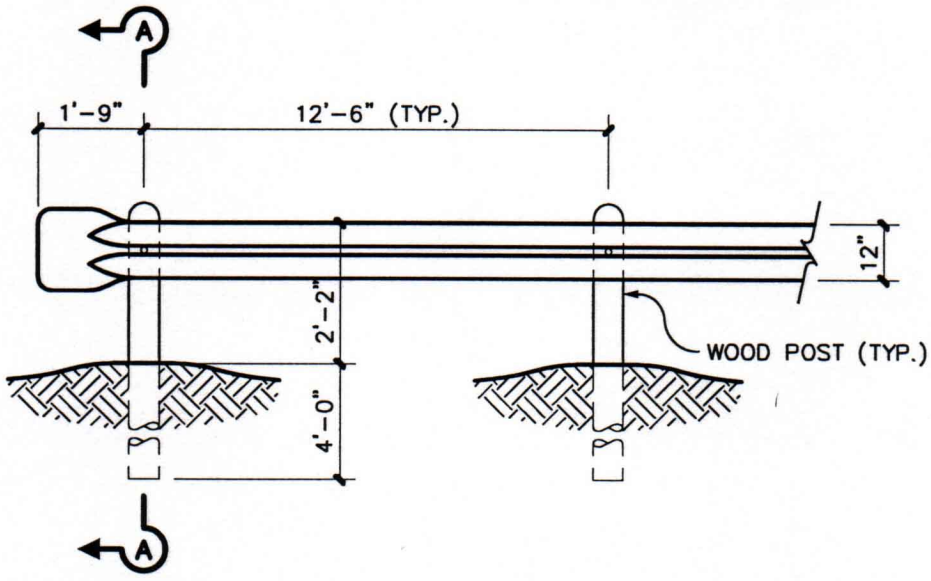


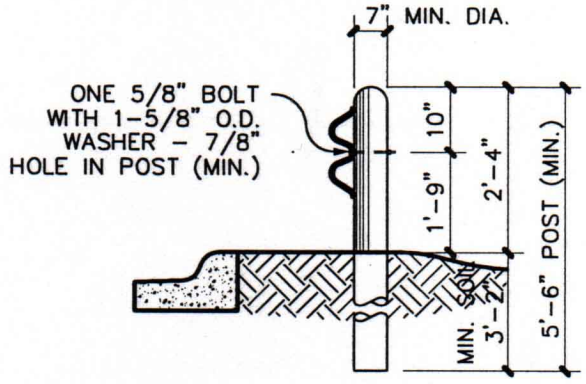
SECTION A-A

NOTES:

1. BARRICADE SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
2. METAL BEAM GUARD RAIL SHALL CONFORM TO THE TXDOT OPERATIONS AND PROCEDURES MANUAL (4-700)
3. LENGTH SHALL BE GIVEN ON PLANS, BUT NOT LESS THAN THE STREET WIDTH.
4. VERTICAL SUPPORTS MAY BE OF EQUAL ALTERNATE DESIGN APPROVED BY THE CITY ENGINEER.

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS DEAD END BARRICADE	REVISED MAR 2000 SCALE: N.T.S. SHEET: P-17



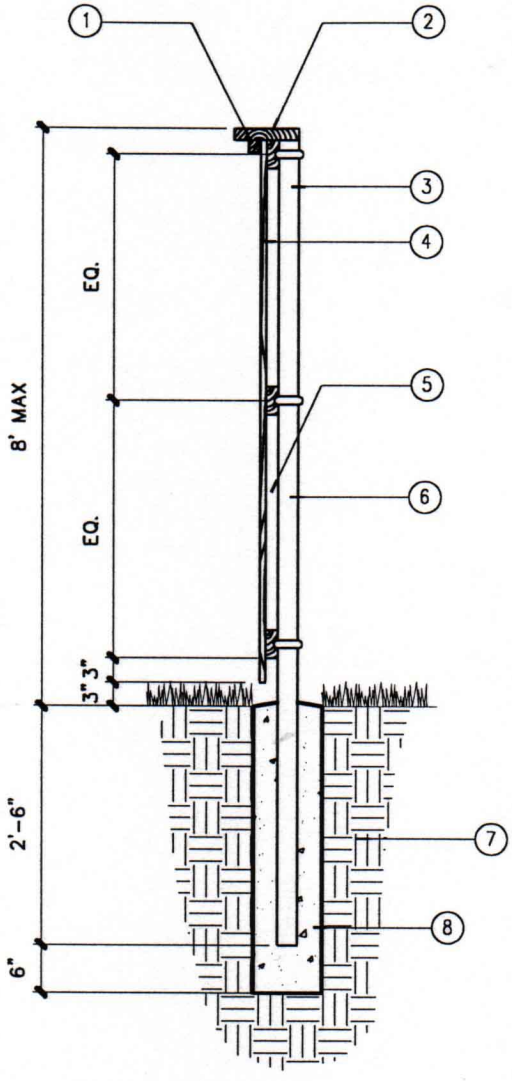


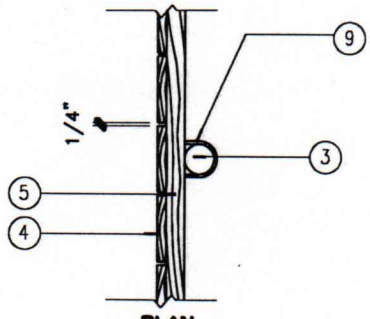
SECTION A-A

NOTES:

1. METAL BEAM GUARD RAIL SHALL CONFORM TO THE TxDOT OPERATIONS AND PROCEDURES MANUAL (4-700).
2. VERTICAL SUPPORTS MAY BE OF EQUAL ALTERNATE DESIGN APPROVED BY THE CITY ENGINEER.
3. END POST SHALL BE 8" DIA. INTERMEDIATE POST ARE 7" DIA.

CITY OF DECATUR	PAVING CONSTRUCTION DETAILS METAL BEAM GUARD RAIL	REVISED MAR 2000 SCALE: N.T.S. SHEET: P-18





PLAN

1. 2"x2" TRIM
2. 2"x8" CAP (TOP OF FENCE TO BE LEVEL)
3. 2" DIA. ~ S.S. 20 GALV. POST WITH CAP. POST SHALL BE FLUSH WITH BOTTOM OF 2"x6" CAP.
4. 1"x6" PICKET NOTE: TO BE 3" ABOVE FINSH GRADE TYP.
5. (3) 2"x4" RAILS.
6. WACKER CLAMPS WITH COUNTER-SINK NUTS.
7. COMPACTED SOIL.
8. 12" DIA. CONCRETE FOOTING.
9. "U" BOLTS

NOTES:

1. FENCE TO BE REDWOOD OR CEDAR
2. HARDWARE TO BE HOT DIPPED GALV.
3. FENCE STAIN TO BE DETERMINED.

COLUMN DESIGN:

1. BRICK COLUMNS SHALL BE SPACED @ 32' ON CENTER MAX.
2. BRICK COLUMNS SHALL BE PLACED ON 18" DIA. DRILLED PIERS REINFORCED WITH 4-#4 BARS (BARS ARE TO BE CONTINUOUS THROUGH BRICK COLUMN) #2 SPIRAL REINFORCING WITH 12" PITCH (PIERS ONLY).
3. COLUMN CAP SHALL BE PERMANENTLY ATTACHED TO THE BRICK COLUMN BY THE USE OF STANDARD MASONRY ANCHORS.

CITY OF DECATUR

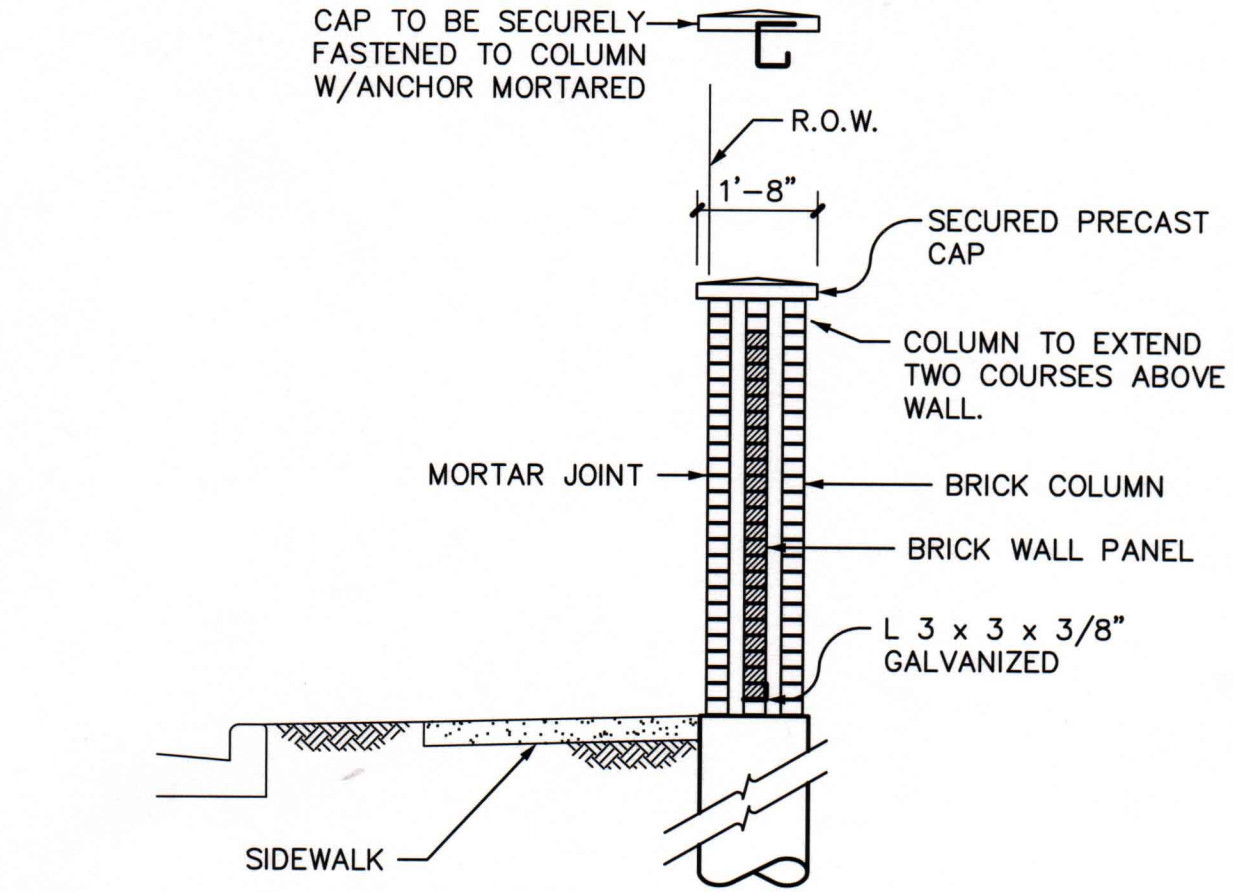
PAVING CONSTRUCTION DETAILS

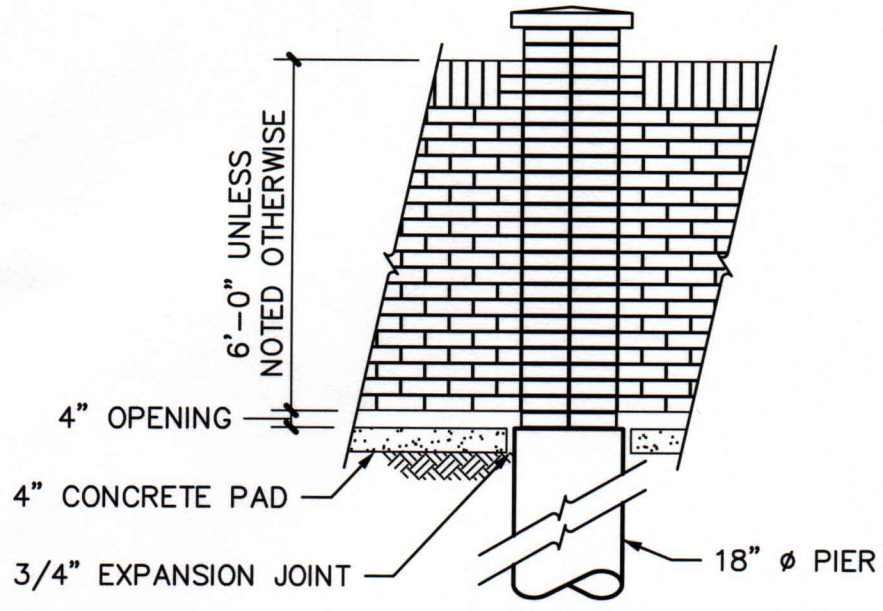
STANDARD WOODEN FENCE

REVISED MAR 2000

SCALE: N.T.S.

SHEET: P-19





CITY OF DECATUR	PAVING CONSTRUCTION DETAILS **STANDARD MASONRY FENCE**	REVISED OCT 2001 SCALE: 3/8" = 1' SHEET: P-20