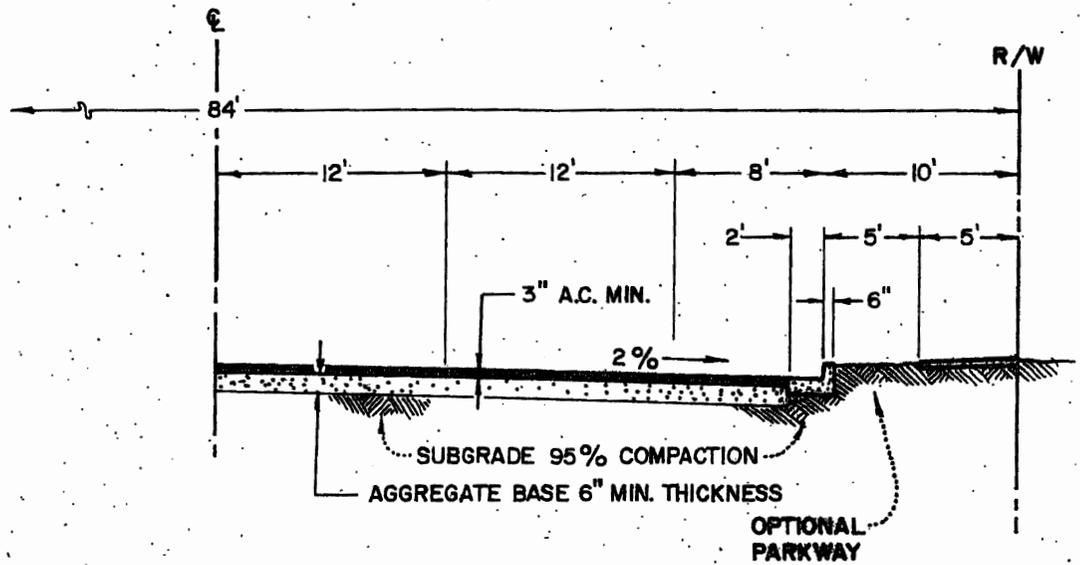
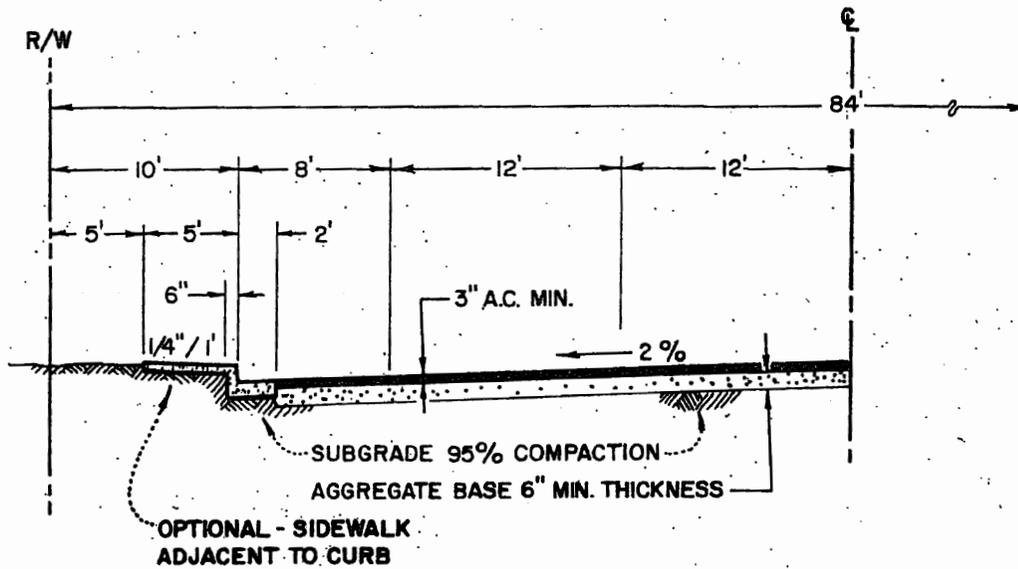


CITY OF <i>Lindsay</i> DEPARTMENT OF PUBLIC WORKS		LOCAL & COLLECTOR STREETS			
MARK	DATE	REVISION	Engineering Standard		
			Approved <i>[Signature]</i>		ST-1A
			Date <i>9/19/79</i>		



TRAFFIC INDEX FOR STRUCTURAL SECTION CALCULATIONS = 6.0

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

SECONDARY STREET

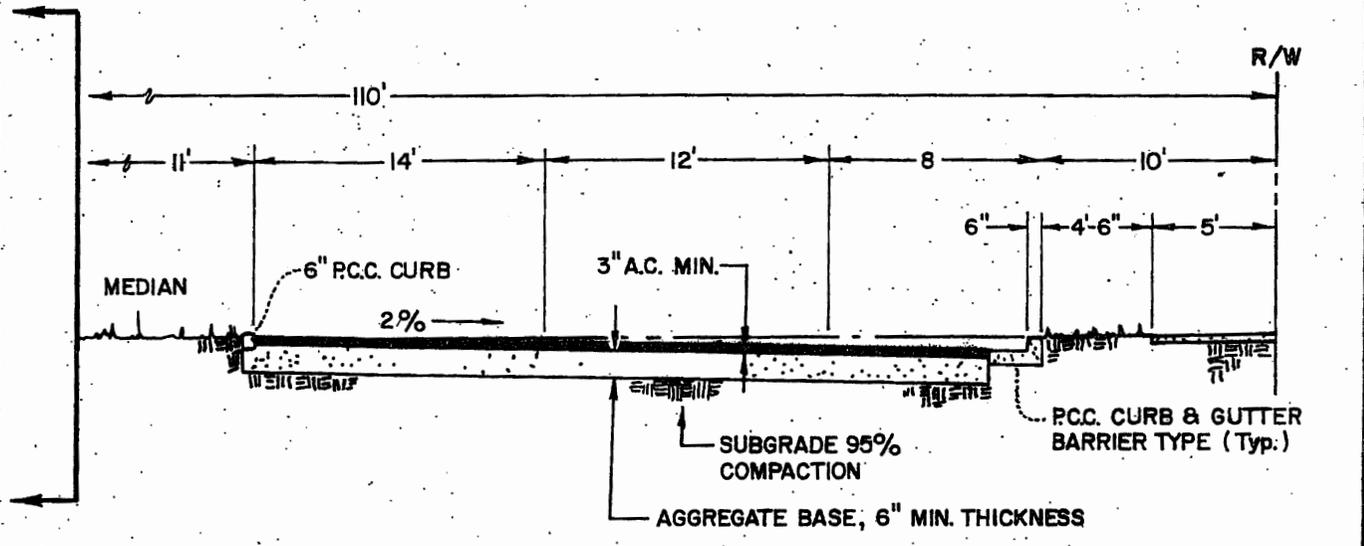
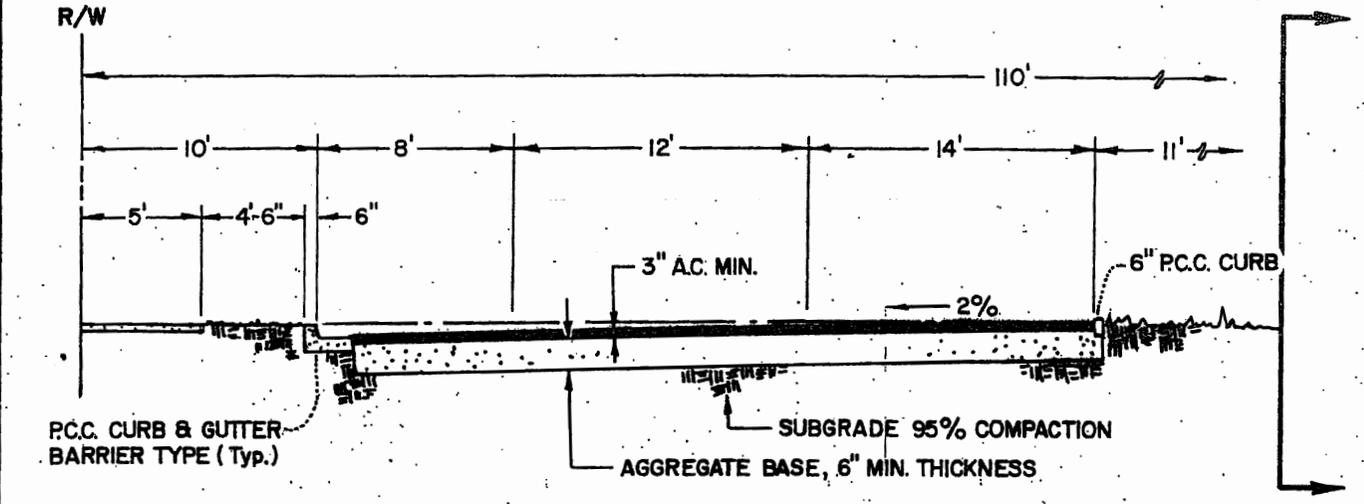
MARK	DATE	REVISION

Engineering Standard

Approved *[Signature]*

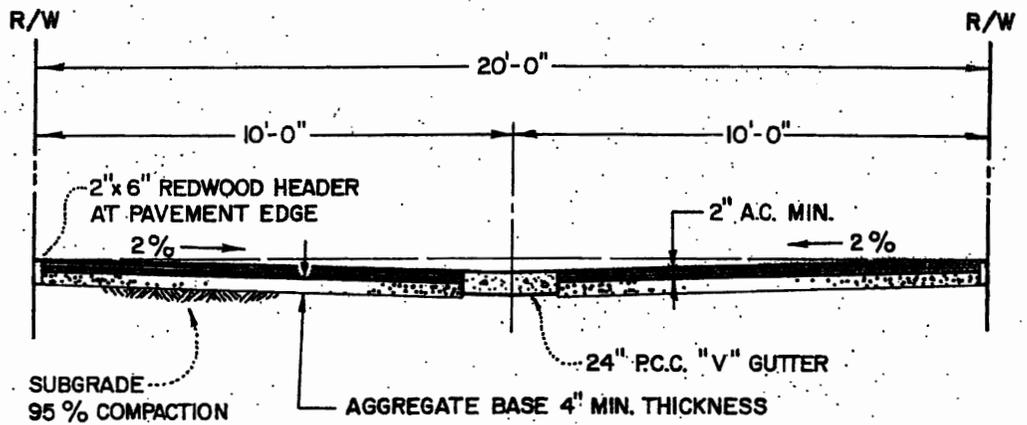
Date 9/14/79

ST-1B



TRAFFIC INDEX FOR STRUCTURAL SECTION CALCULATIONS = 7.0

CITY OF <i>Lindsay</i> DEPARTMENT OF PUBLIC WORKS	MAJOR ARTERIAL STREET			
	MARK	DATE	REVISION	Engineering Standard
				Approved: <i>[Signature]</i>
				Date: 9/13/79
			ST-1C	



TRAFFIC INDEX FOR STRUCTURAL SECTION CALCULATIONS = 5.0

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

ALLEY

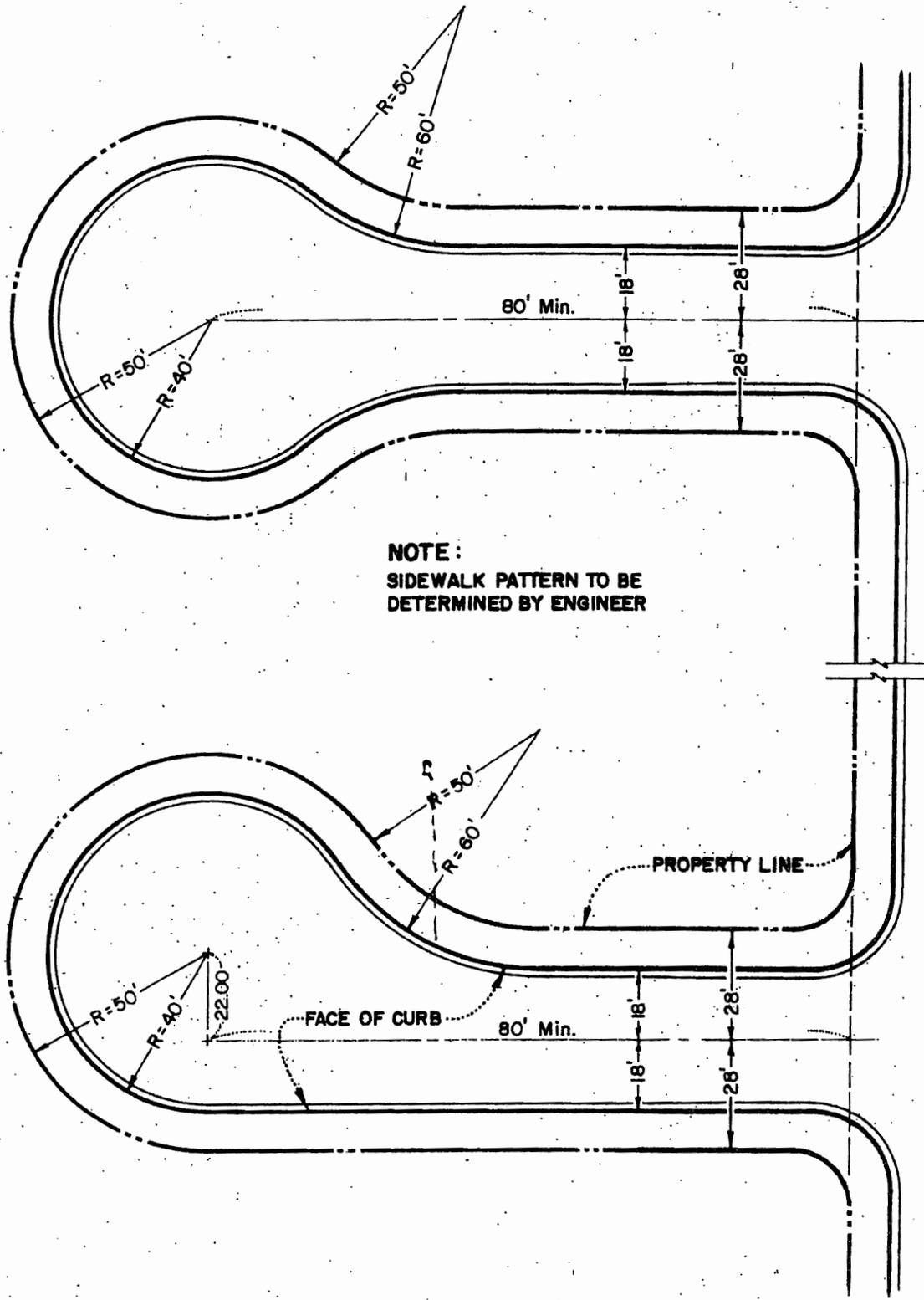
MARK	DATE	REVISION

Engineering Standard

Approved *[Signature]*

Date 9/14/79

ST-1D



NOTE:
 SIDEWALK PATTERN TO BE
 DETERMINED BY ENGINEER

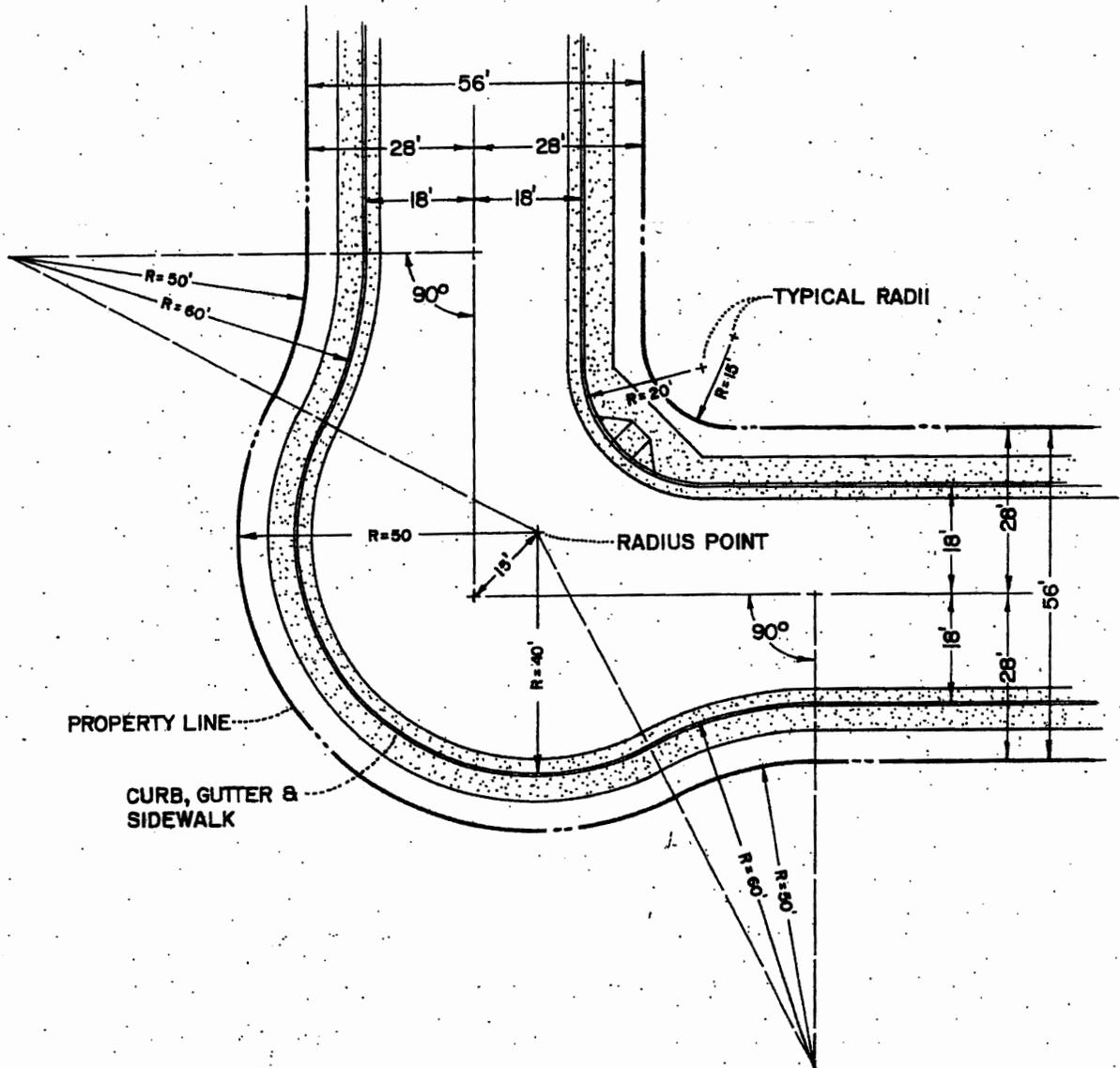
CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

CUL-DE-SAC

MARK	DATE	REVISION

Engineering Standard
 Approved *[Signature]*
 Date 9/13/79

ST-2

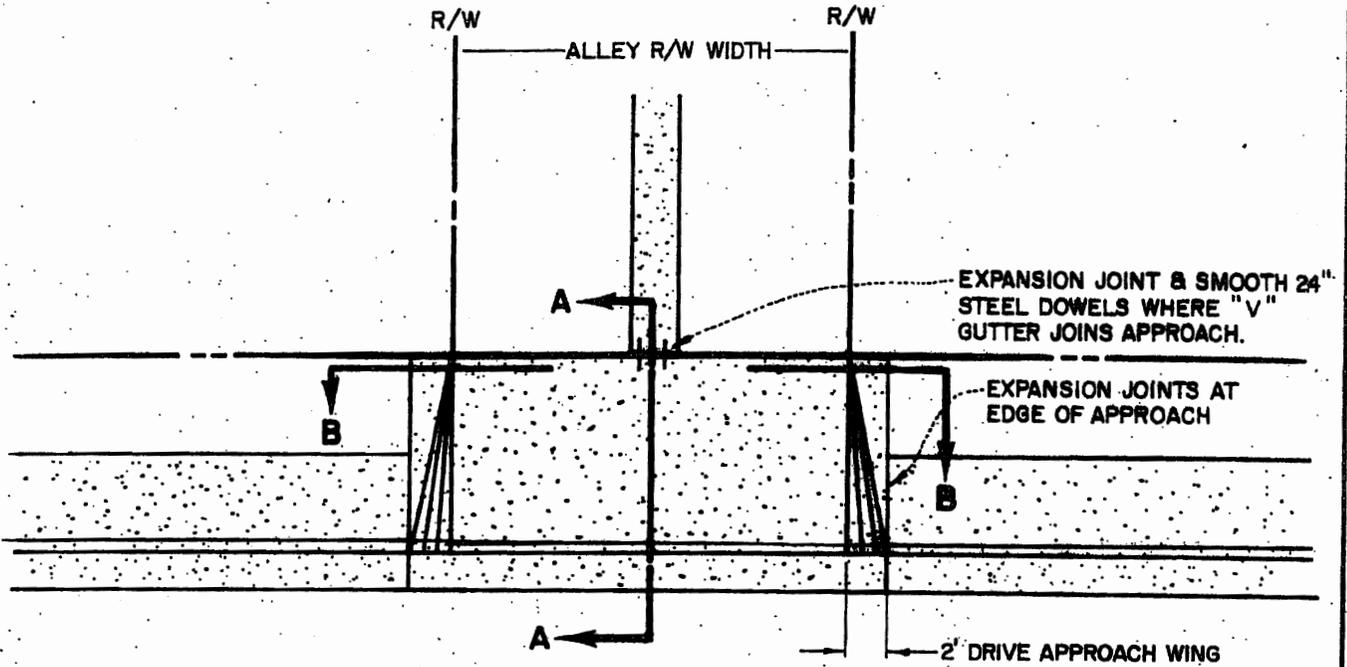


CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

STREET BULB CONNECTION

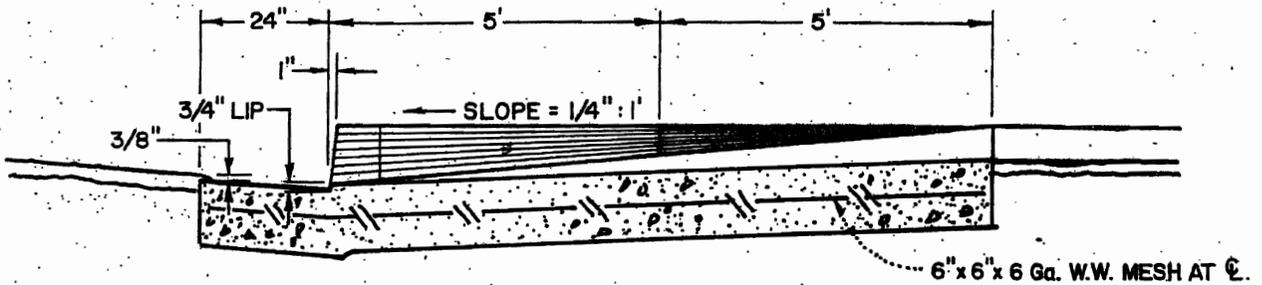
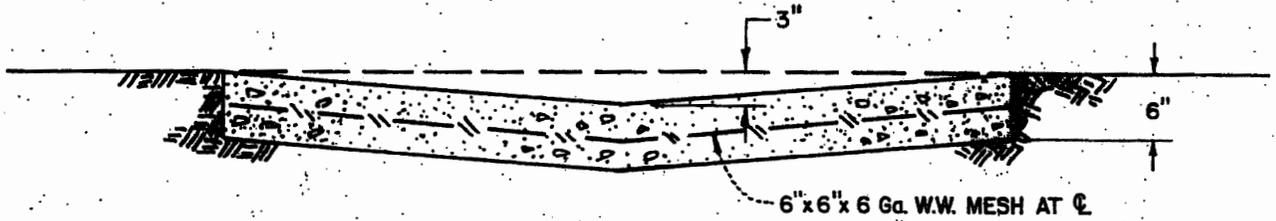
MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i>
			Date: 9/13/79

ST-3

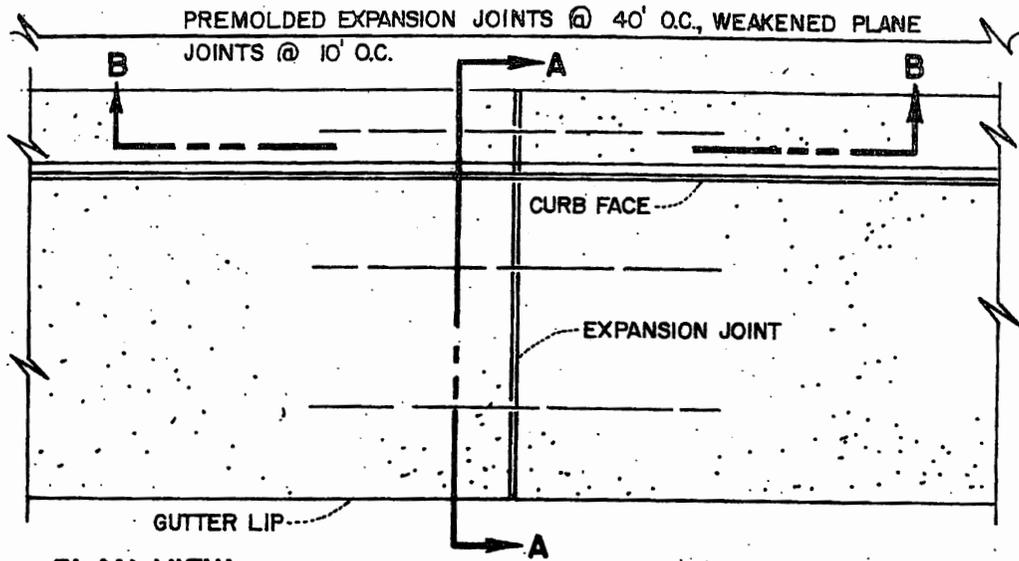


NOTES:

1. CONCRETE SHALL BE 2500 p.s.i. (5 SACK MIX.)
2. APPROACH SHALL HAVE HEAVY BROOM FINISH.
3. CURING COMPOUND SHALL BE APPLIED AS APPROVED BY THE CITY ENGINEER.



CITY OF <i>Lindsay</i> DEPARTMENT OF PUBLIC WORKS	ALLEY APPROACH			
	MARK	DATE	REVISION	Engineering Standard
				Approved: <i>[Signature]</i>
				Date: 9/13/79
				ST-4

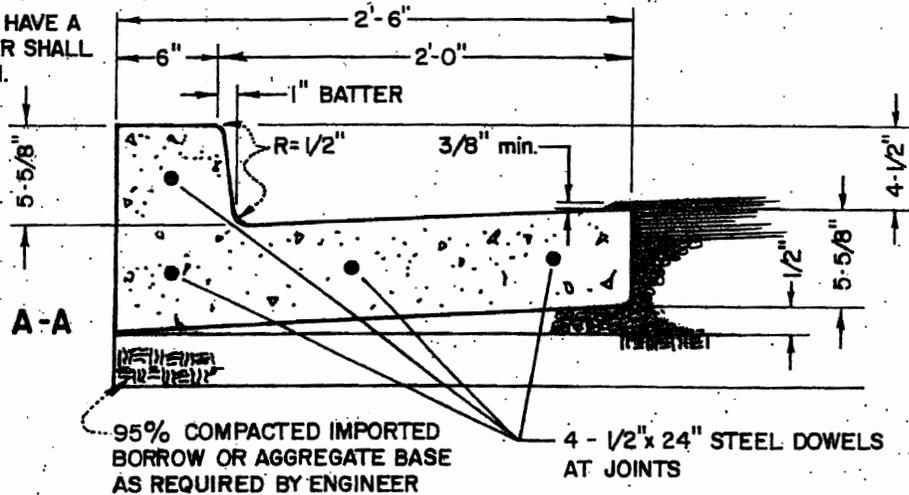


NOTES: **PLAN VIEW**
 CONCRETE SHALL BE 2500 p.s.i. (5 Sack Mix)

TOP AND FACE OF CURB SHALL HAVE A LIGHT BRUSH FINISH, GUTTER SHALL HAVE A LIGHT BROOM FINISH.

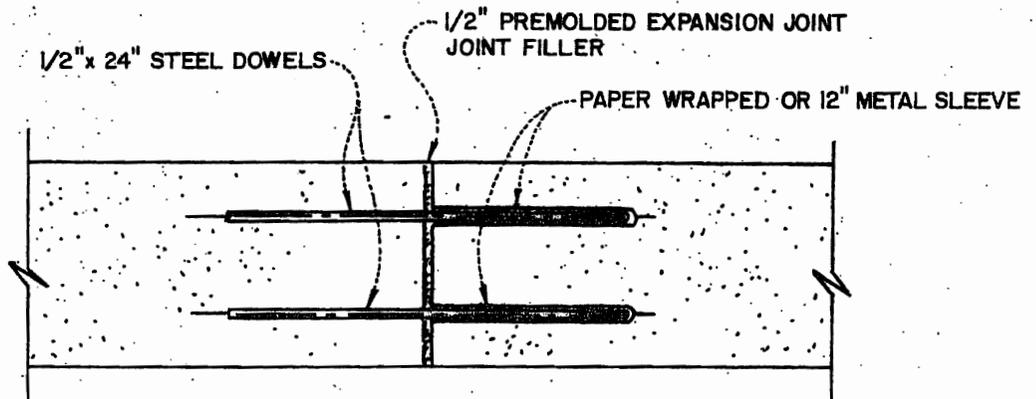
FINISHED SURFACES SHALL BE TREATED WITH A CURING COMPOUND APPROVED BY CITY ENGINEER.

SECTION A-A



NOTE:

CONTRACTOR SHALL FILL AREA BETWEEN NEW GUTTER AND EXISTING STREET SURFACE WITH SAME TYPE OF MATERIAL AS EXISTING STREET TO A MINIMUM SECTION OR 2" ASPHALT CONCRETE TYPE B OVER 4" CLASS II BASE OR AS DIRECTED BY ENGINEER. APPLY PRIME COAT TO NEW GUTTER AND EXISTING STREET AS DIRECTED BY ENGINEER.



NOTE:
 CURB & GUTTER SHALL HAVE A GRADIENT OF 0.20% MINIMUM.

SECTION B-B

CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

BARRIER TYPE CURB AND GUTTER

MARK	DATE	REVISION	Engineering Standard	ST-6
			Approved: <i>[Signature]</i>	
			Date: 9/13/79	



City of Lindsay



DEPARTMENT OF CITY SERVICES

P.O. Box 369 — Lindsay, California 93247 — 150 N. Mirage Ave.
559 • 562 • 5945
559 • 562 • 5748 fax

City of Lindsay Development Standard Addendum May 2006

Development Standard No. ST-6, Barrier Type Curb and Gutter.

The following items shall be considered City of Lindsay acceptable construction practice and allowed for the construction of curb and gutter.

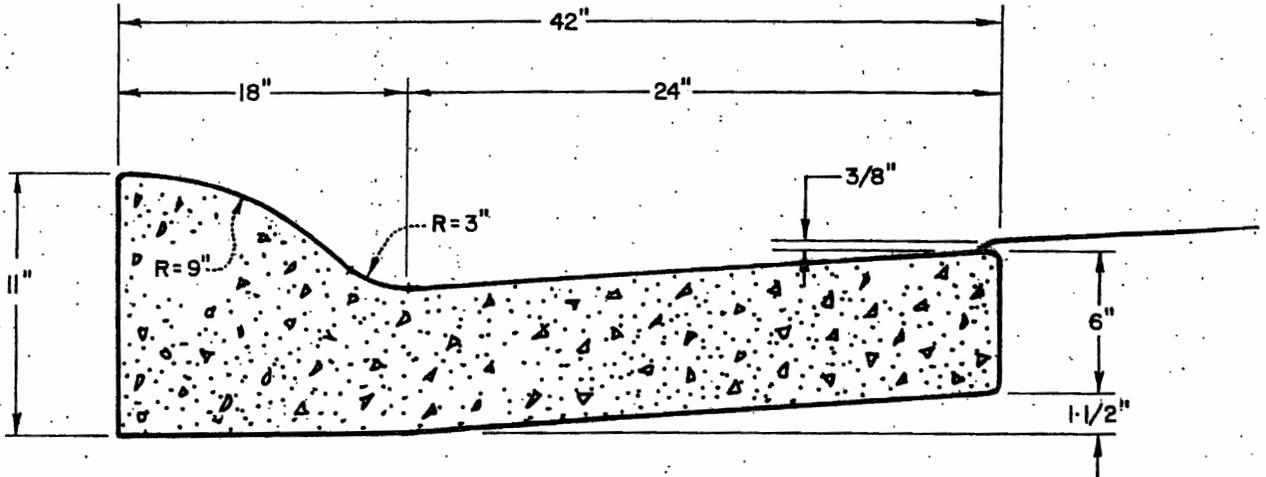
This applies to machine pour curb and gutter only. Allowances can be made for form and stake curb and gutter, but will be reviewed on a project by project basis.

- Steel dowels are required at cold joints only. $\frac{1}{2}$ " diameter x 24" long embedded 12" into each section of curb and gutter. A total of 4 dowels (2 in curbing, 2 in gutter pan) are required. Expansion felt shall be required at cold joints also.
- Weakened plane joints (deep joints) shall be required at 20' o.c.; the definition of weakened plane joints shall be 1" minimum depth and shall be finished with a scoring tool leaving the edges rounded.
- "Beauty Mark" joints (surface joints) shall be required at 10' o.c.
- Expansion felt may be omitted from each driveway location as directed by the City representative.
- "0" (zero) lip is required at all handicap curb depressions.
- $\frac{1}{2}$ " lip, maximum, is required at all driveway depressions.



ROLL TYPE GURB AND GUTTER

FOR USE ONLY IN AREAS OF A PREDOMINANCE OF ROLL TYPE CURB & GUTTER AND ONLY AT THE DIRECTION OF THE CITY OF LINDSAY.



SECTIONAL VIEW

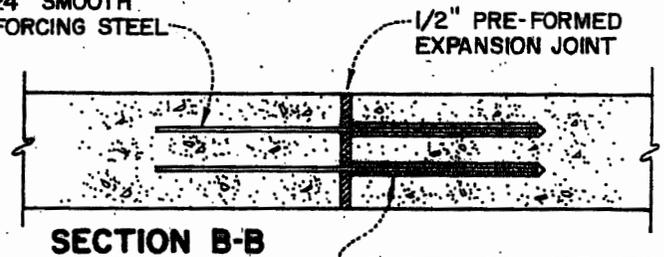
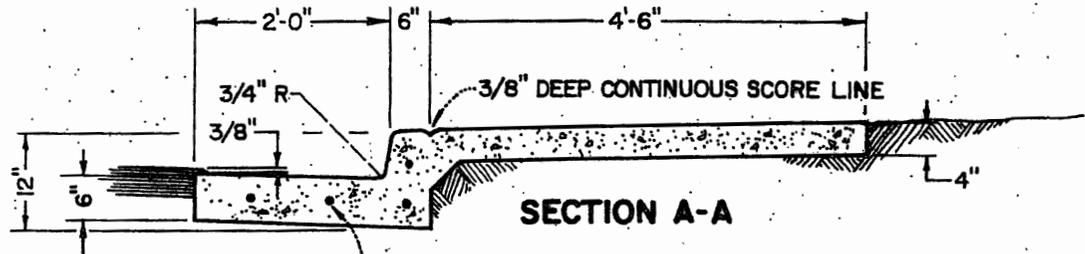
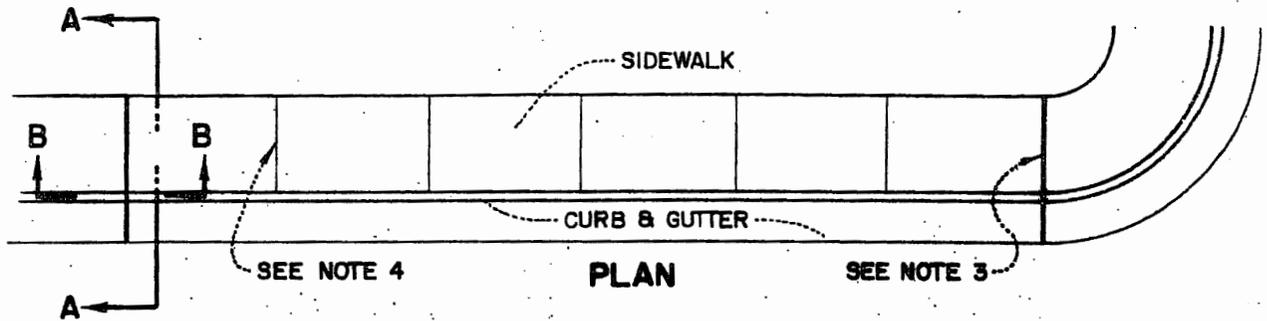
NOTES:

1. CONCRETE WORK SHALL BE 2500psi DESIGN (5 SACK MIX)
2. ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH.
3. 1/2" EXPANSION JOINT AT END OF CURVE AND BEGINNING OF CURVE OF WALK RETURNS, DRIVEWAY APPROACHES AND AT INTERVALS OF 40' O.C. (MAX.)
4. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10' CENTERS AND SHALL BE A MINIMUM DEPTH OF 3/8" AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
5. PLACE 4" OF SAND OR DECOMPOSED GRANITE GRANITE BEDDING WHERE REQUIRED BY THE CITY OF PORTERVILLE.
6. FINISHED SURFACES SHALL BE TREATED WITH CURING COMPOUND APPROVED BY CITY ENGINEER.

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

ROLLED TYPE CURB AND GUTTER

MARK	DATE	REVISION	Engineering Standard
			Approved <i>[Signature]</i> ST-7
			Date 9/14/79



NOTES:

1. CONCRETE WORK SHALL BE 2500psi. (5 SACK MIX)
2. 1/2" EXPANSION JOINT AT END OF CURVE AND BEGINNING OF CURVE OF WALK RETURNS, AND AT DRIVEWAY APPROACHES, AND AT 40' O.C. MAXIMUM.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10' CENTERS AND SHALL BE A MINIMUM DEPTH OF 3/8" AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
4. FINISHED SURFACES SHALL BE TREATED WITH CURING COMPOUND APPROVED BY THE CITY ENGINEER.
5. TOP AND FACE OF CURB SHALL HAVE A LIGHT BRUSH FINISH, GUTTER SHALL HAVE A LIGHT BROOM FINISH, SIDEWALK SHALL HAVE A MEDIUM SWEAT FINISH.

ONE END OF SMOOTH REINFORCING STEEL TO BE WRAPPED WITH BUILDING PAPER, GREASED, 10" P.V.C. OR METAL SLEEVE TO PERMIT MOVEMENT.

NOTE:

MONOLITHIC CURB, GUTTER AND SIDEWALK MAY BE REQUIRED IN AREAS OF EXPANSIVE SOILS.

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

MONOLITHIC CURB, GUTTER & SIDEWALK

MARK	DATE	REVISION	Engineering Standard
			Approved <i>[Signature]</i>
			Date 9/14/79

ST-8

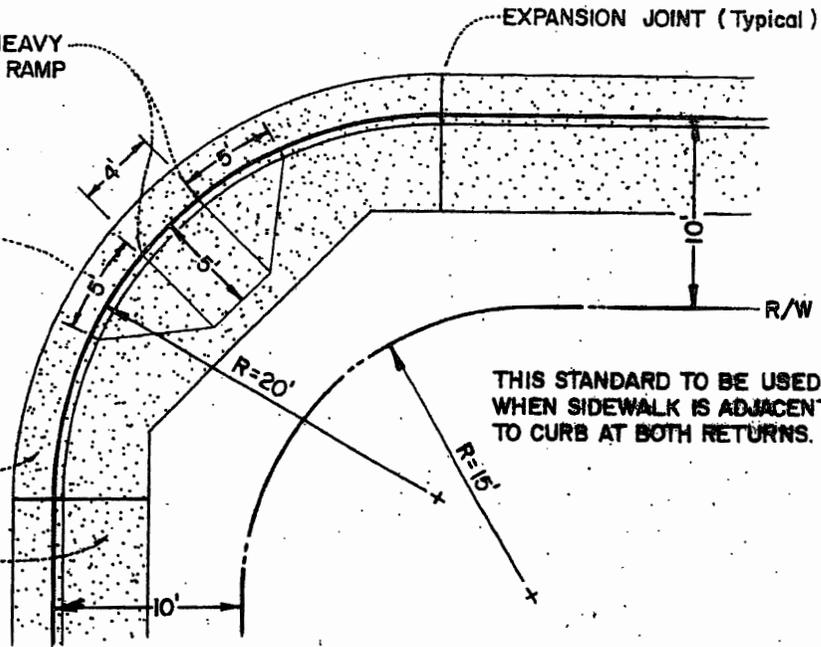
RAMP TO BE FINISHED WITH HEAVY BROOM TRAVERSE TO AXIS OF RAMP
1/2" CURB HEIGHT.

EXPANSION JOINT (Typical)

TRANSITION FROM FULL CURB HEIGHT TO 1/2" CURB HEIGHT.

CONCRETE GUTTER

4.5' COMBINATION CURB & SIDEWALK



THIS STANDARD TO BE USED WHEN SIDEWALK IS ADJACENT TO CURB AT BOTH RETURNS.

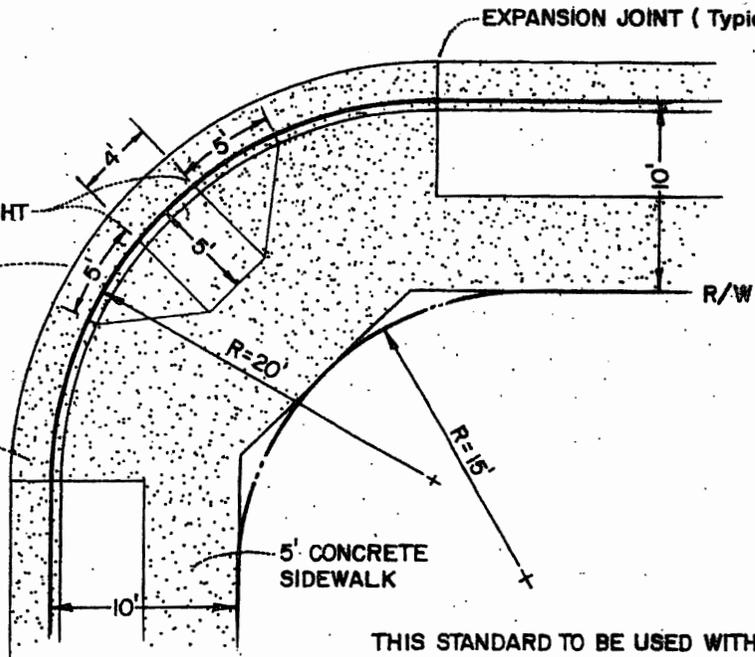
EXPANSION JOINT (Typical)

1/2" CURB HEIGHT

TRANSITION FROM FULL CURB HEIGHT TO 1/2" CURB HEIGHT.

CONCRETE GUTTER

5' CONCRETE SIDEWALK



THIS STANDARD TO BE USED WITH PLANTER STRIPS AT BOTH RETURNS AS SHOWN AND WHEN SIDEWALK IS ADJACENT TO CURB AND GUTTER AT ONE RETURN ONLY.

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

CURB RETURN

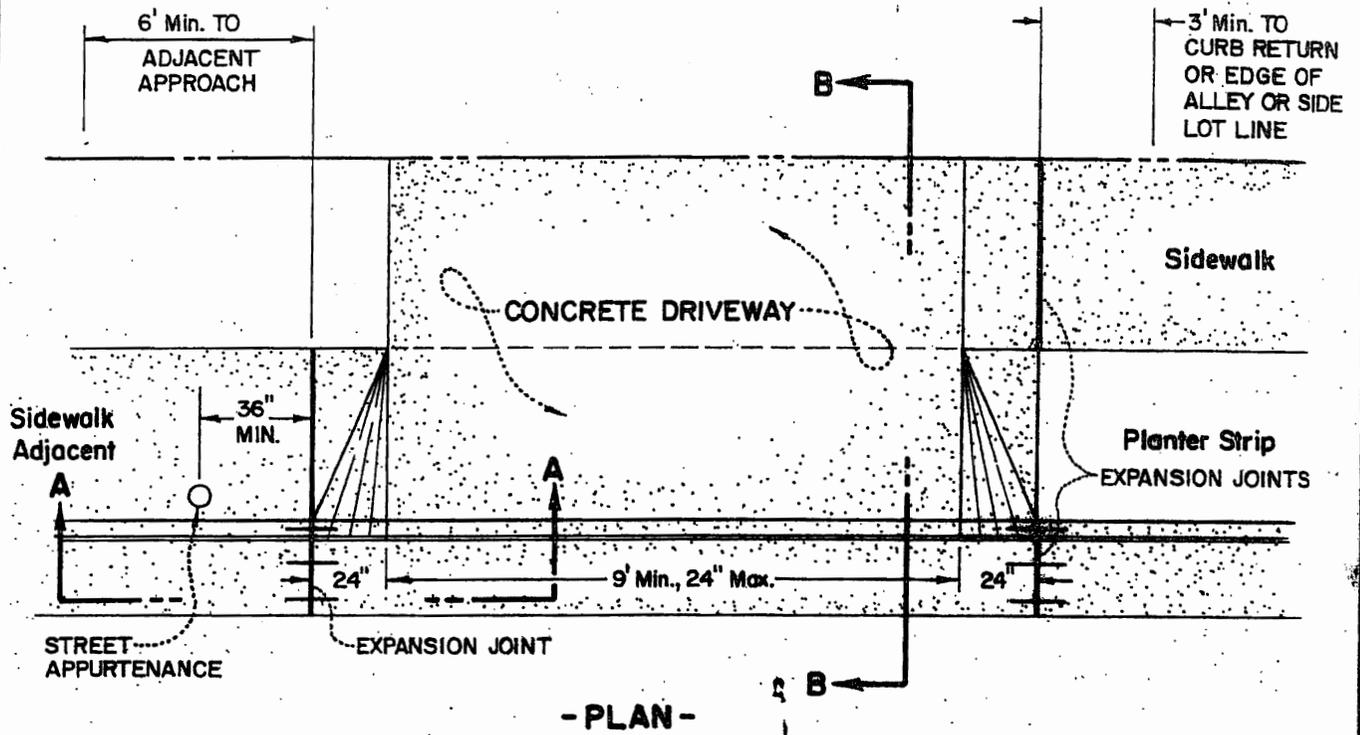
MARK	DATE	REVISION

Engineering Standard

Approved: *[Signature]*

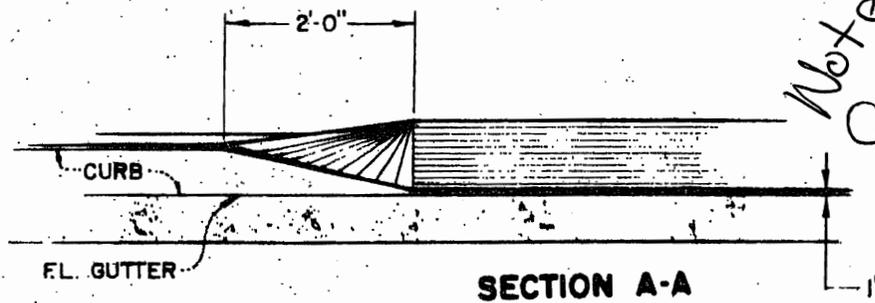
Date: 9/13/79

ST-10

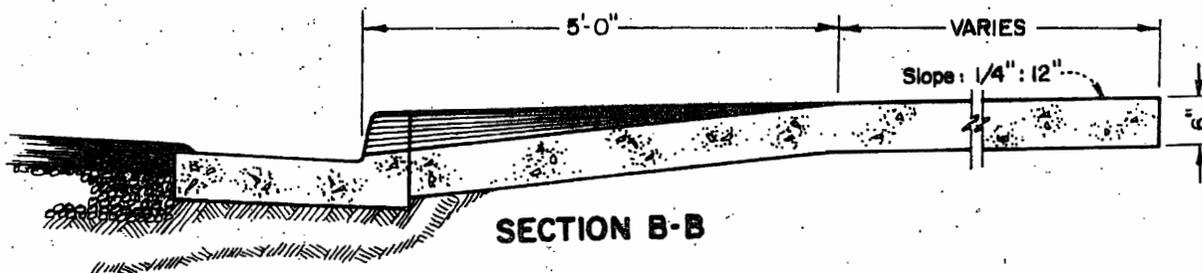


NOTES:

1. CONCRETE SHALL BE 2500psi. (5 SACK MIX)
2. APPROACH SHALL HAVE A HEAVY BROOM FINISH.
3. CURING COMPOUND SHALL BE APPLIED AS APPROVED BY THE CITY ENGINEER.



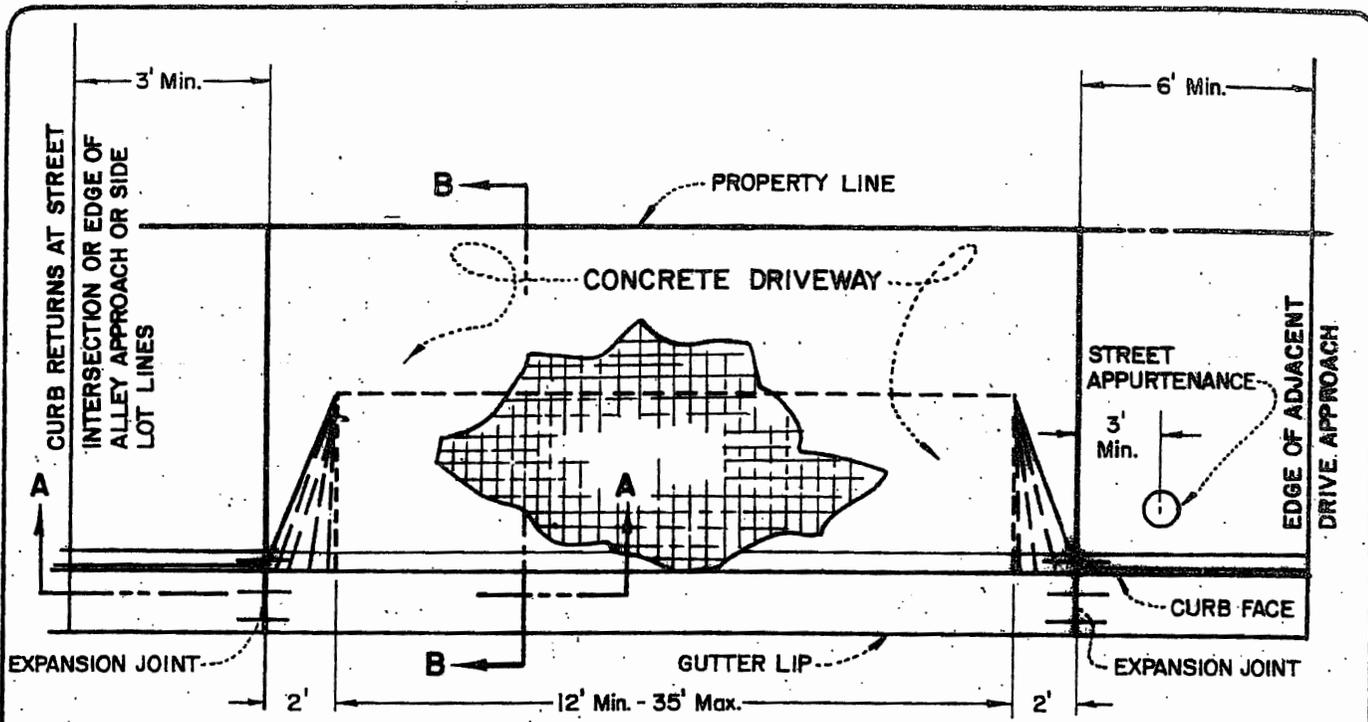
Note. Concrete White color as well as for the cross gutter.



CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

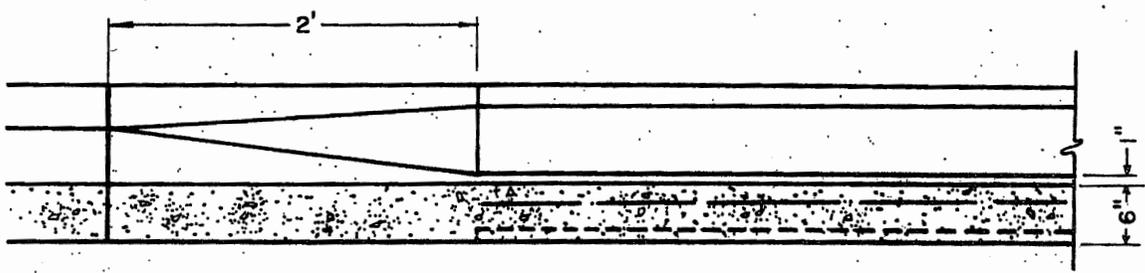
RESIDENTIAL DRIVE APPROACH

MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i> ST-II
			Date: 9/13/79

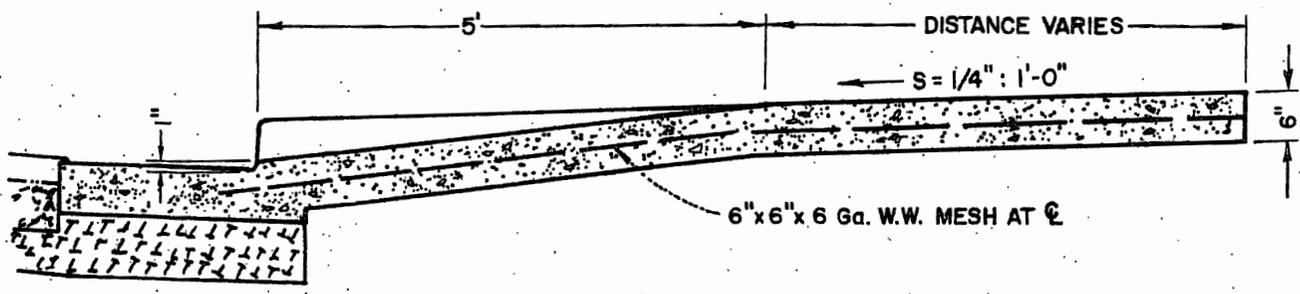


PLAN

NOTE:
 NOT MORE THAN 60% OF LOT FRONTAGE
 SHALL BE DRIVE APPROACH



SECTION A-A



SECTION B-B

- NOTES:**
1. CONCRETE SHALL BE 2500psi (5 SACK MIX)
 2. DRIVE APPROACH SHALL HAVE A HEAVY BROOM FINISH
 3. CURING COMPOUND SHALL BE APPLIED AS APPROVED BY THE CITY ENGINEER.

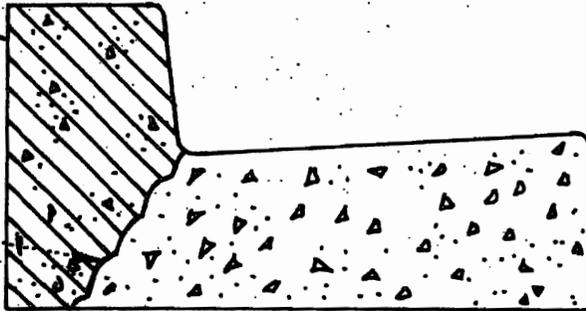
CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

COMMERCIAL DRIVE APPROACH

MARK	DATE	REVISION	Engineering Standard	
			Approved: <i>[Signature]</i>	ST-12
			Date: 9/13/79	

PORTION OF CURB
TO BE REMOVED

CUT LINE
(SEE NOTE BELOW)



NOTE:

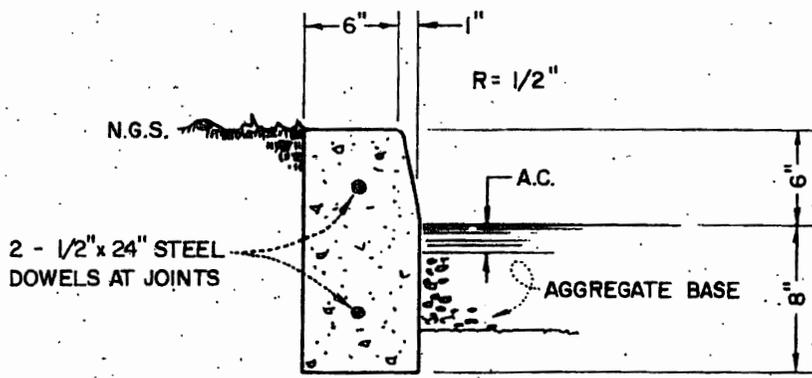
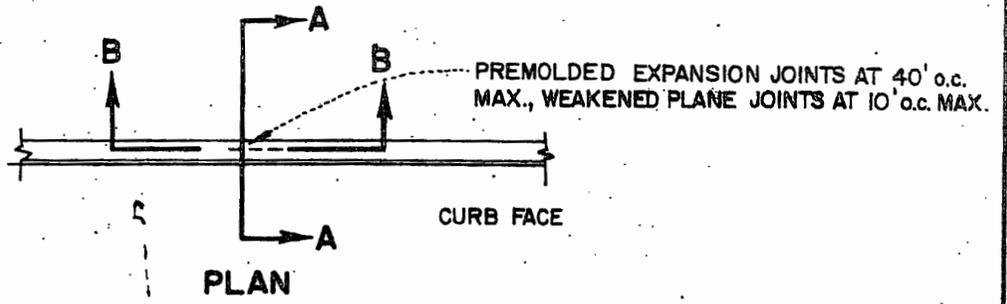
WHEN REMOVING CURB FOR NEW DRIVEWAY APPROACHES, CUT EXISTING CURB AS SHOWN ABOVE AT TOP OF APPROACH FOR NEW DRIVEWAY.

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

CURB REMOVAL AT NEW DRIVE APPROACH

MARK	DATE	REVISION	Engineering Standard
			Approved <i>[Signature]</i>
			Date <i>9/13/79</i>

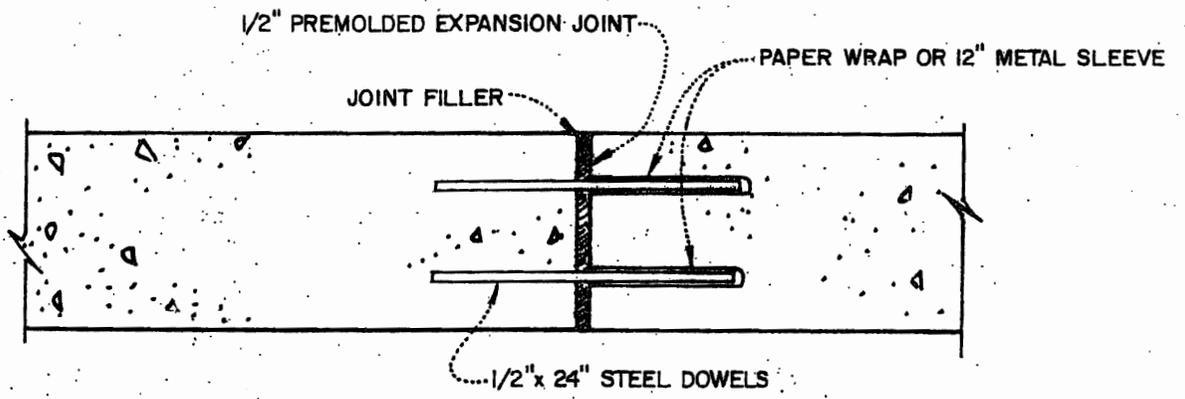
ST-13



SECTION A-A

NOTES:

- 1. CONCRETE SHALL BE 2500psi. (5 Sack Mix)
- 2. CURB SHALL HAVE A LIGHT BRUSH FINISH
- 3. CURING COMPOUND SHALL BE APPLIED AS APPROVED BY THE CITY ENGINEER.

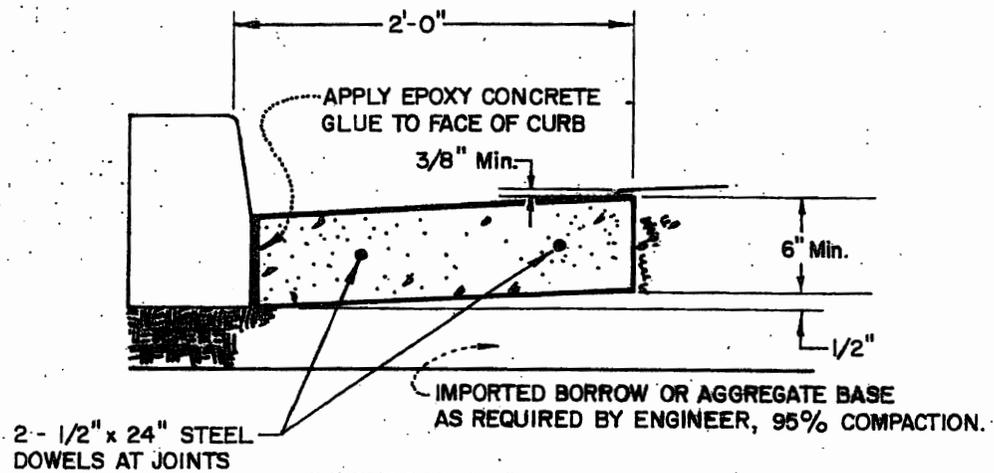
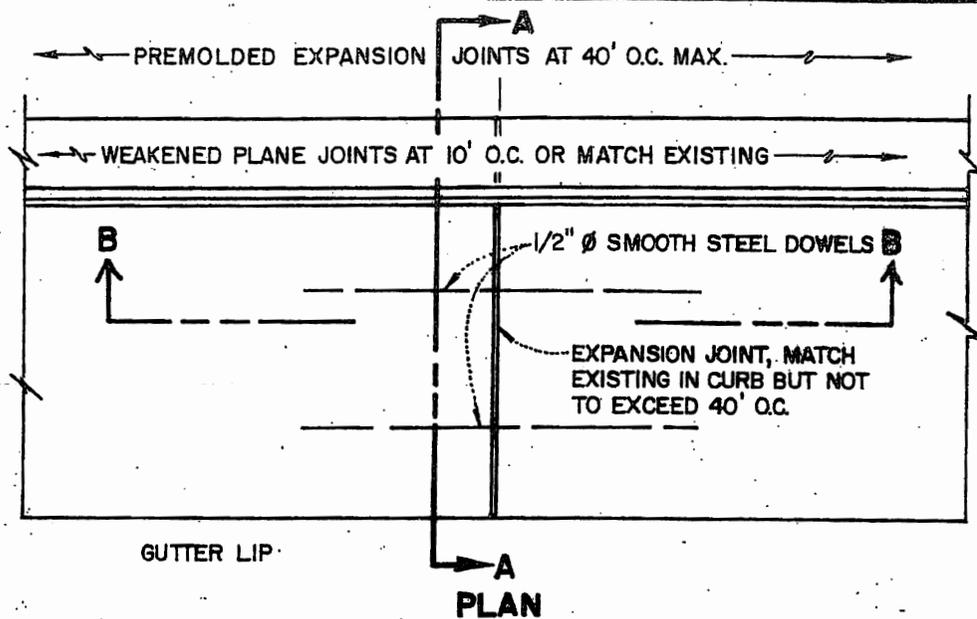


SECTION B-B

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

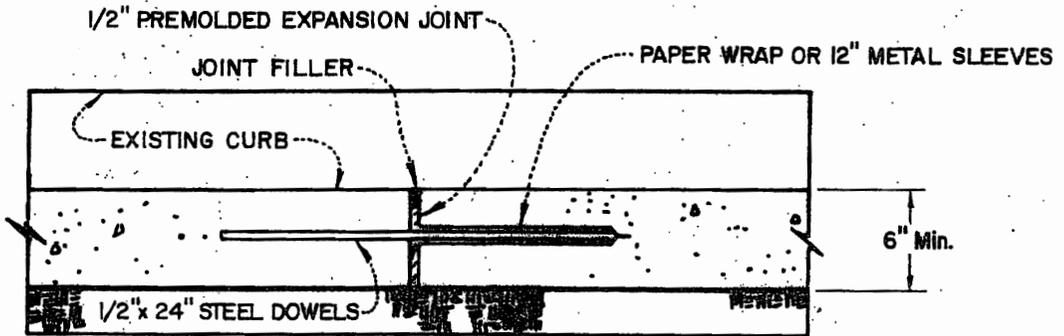
BARRIER TYPE CURB ONLY

MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i> ST-14
			Date: 9/13/79



NOTES:

1. CONCRETE SHALL BE 2500psi. (5 SACK MIX)
2. GUTTER FINISH SHALL BE LIGHT BROOM FINISH.
3. CURING COMPOUND SHALL BE APPLIED AS APPROVED BY THE CITY ENGINEER

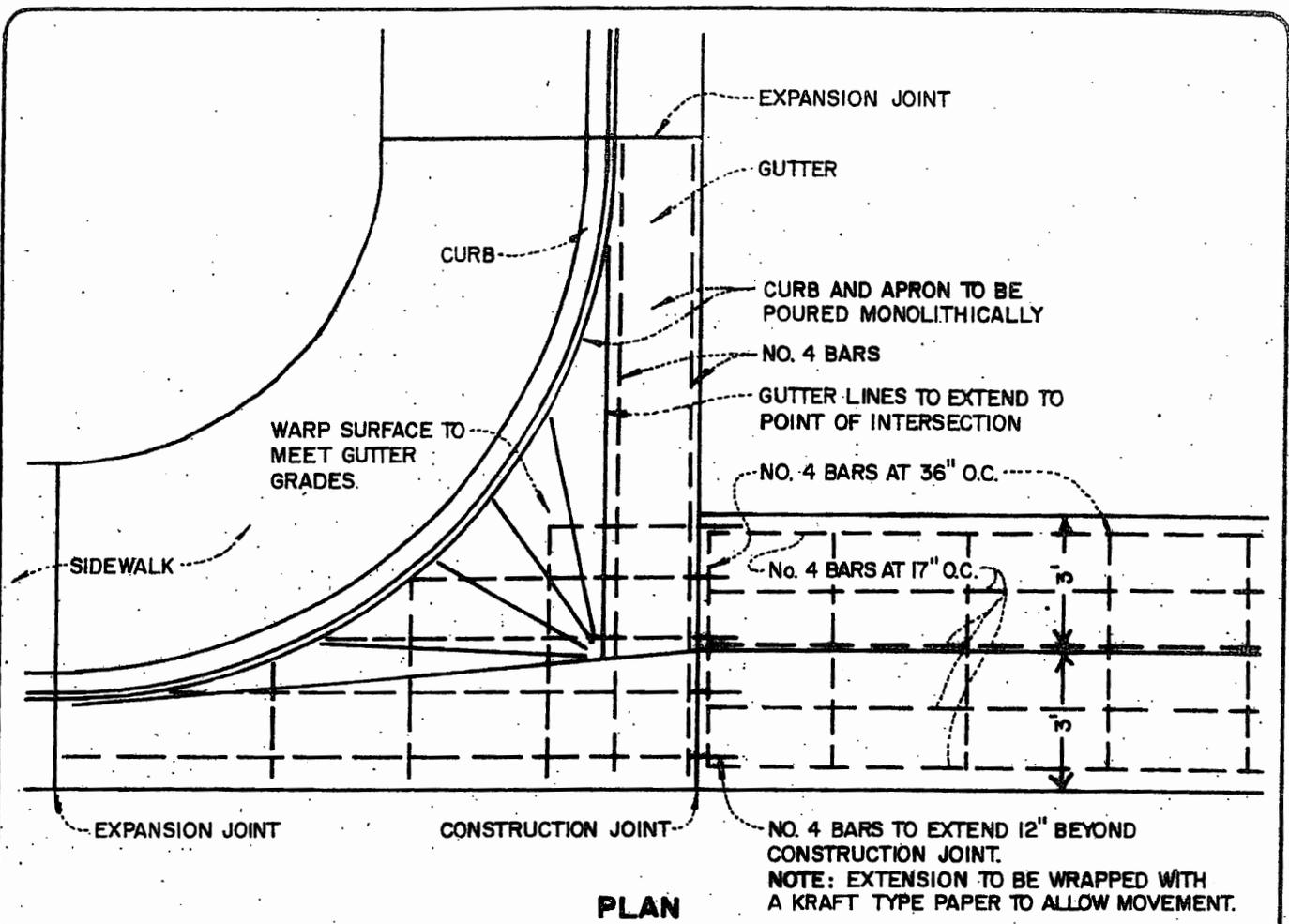


NOTE:
GUTTER SHALL HAVE A
GRADIENT OF .20% Min.

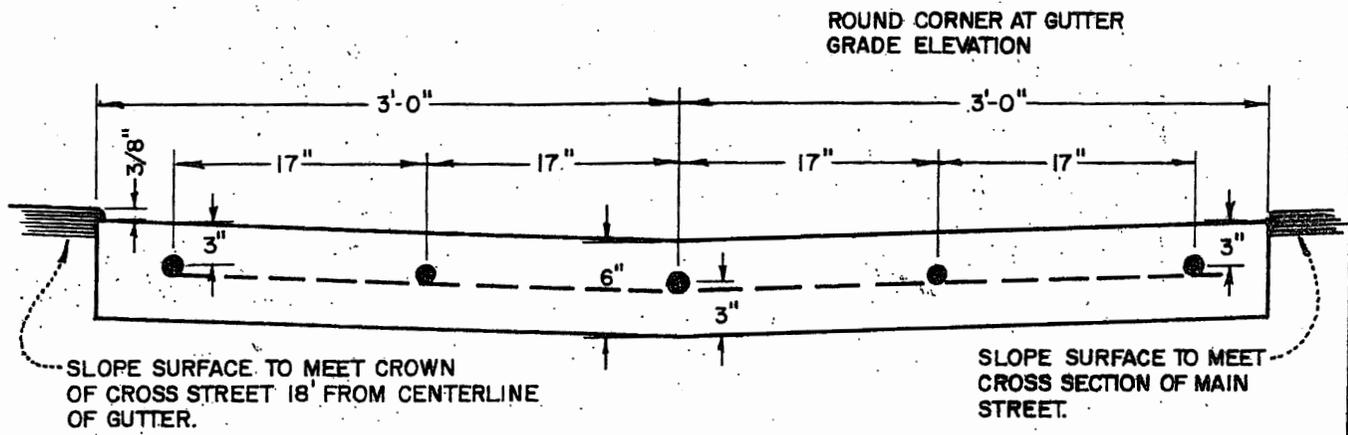
CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

CONCRETE GUTTER AT EXISTING CURB

MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i>
			Date: 9/13/79
			ST-15



PLAN



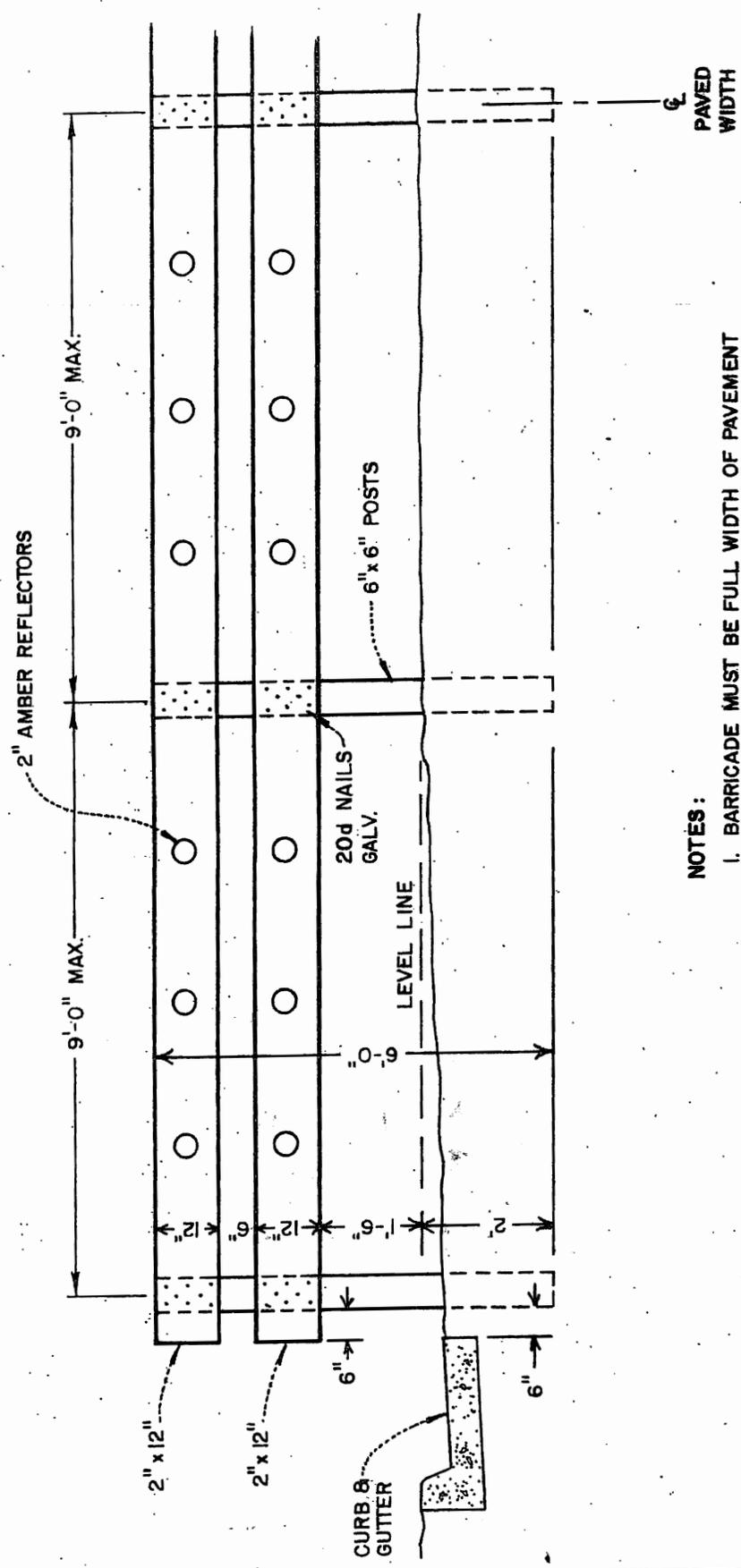
SECTION

CONCRETE SHALL BE 3000 p.s.i.
 LIGHT BROOM FINISH
 BEDDING REQUIREMENT PER
 CITY ENGINEER, CURING
 COMPOUND PER CITY
 ENGINEER.

CITY OF <i>Lindsay</i> DEPARTMENT OF PUBLIC WORKS		CROSS GUTTER	
MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i>
			Date: 9/14/79
			ST-16

PAINT
TWO COATS OF WHITE PAINT SHALL BE APPLIED TO ALL WOOD SURFACES.

TYPE OF LUMBER
POSTS - REDWOOD (SHOP GRADE)
RAILING - DOUGLAS FIR (SHOP GRADE)



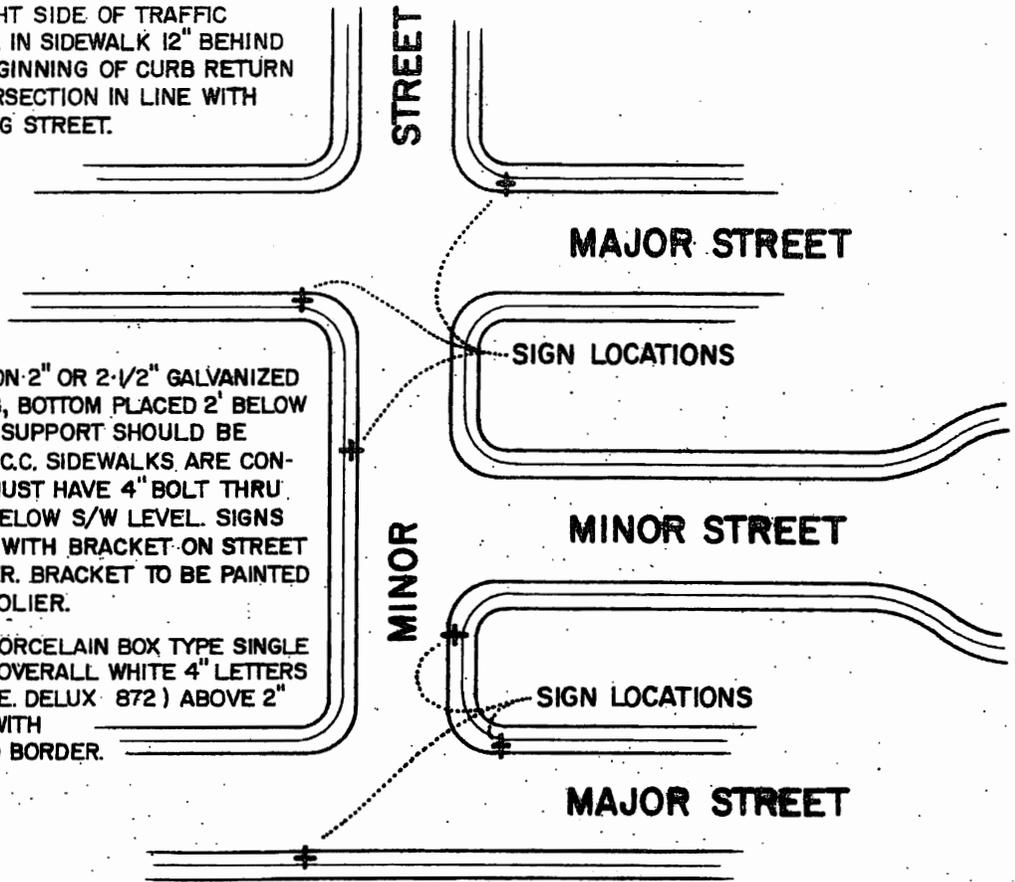
- NOTES:**
1. BARRICADE MUST BE FULL WIDTH OF PAVEMENT OR TRAVELED WAY.
 2. APPROPRIATE SIGNS TO BE DESIGNATED BY THE DEPARTMENT OF PUBLIC WORKS.

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

TIMBER BARRICADE

MARK	DATE	REVISION	Engineering Standard
			Approved: <i>[Signature]</i> ST-17
			Date: 9/14/79

LOCATION: ON RIGHT SIDE OF TRAFFIC ON MAJOR STREET, IN SIDEWALK 12" BEHIND CURB FACE, AT BEGINNING OF CURB RETURN OR AT A "T" INTERSECTION IN LINE WITH CURB OF OPPOSING STREET.

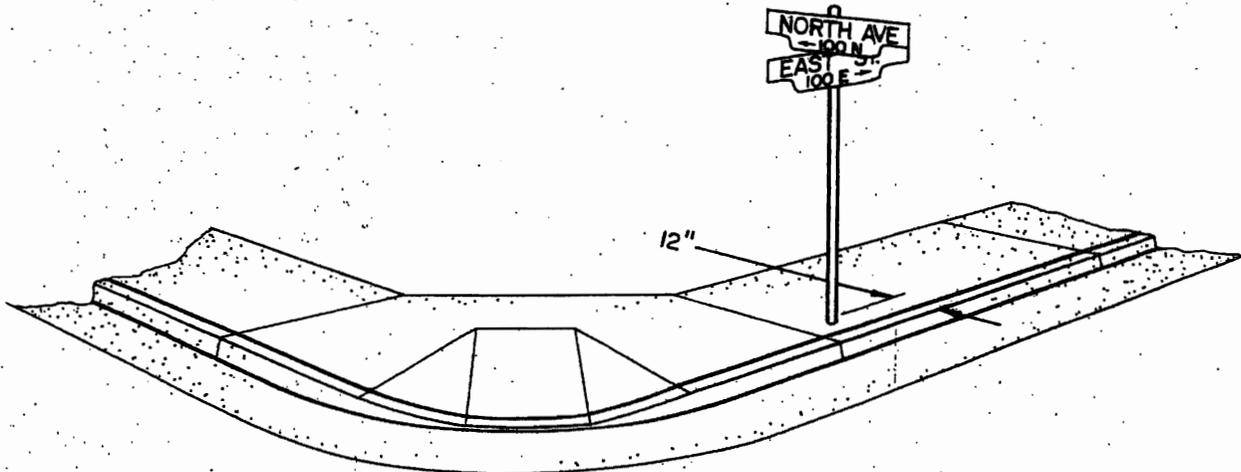


SUPPORT: MOUNT ON 2" OR 2-1/2" GALVANIZED IRON PIPE 10' LONG, BOTTOM PLACED 2' BELOW SIDEWALK GRADE. SUPPORT SHOULD BE PLACED AT TIME P.C.C. SIDEWALKS ARE CONSTRUCTED. PIPE MUST HAVE 4" BOLT THRU AT A POINT JUST BELOW S/W LEVEL. SIGNS MAY BE MOUNTED WITH BRACKET ON STREET LIGHT ELECTROLIER. BRACKET TO BE PAINTED COLOR OF ELECTROLIER.

SIGN MATERIAL: PORCELAIN BOX TYPE SINGLE PIECE, APPR 9"x30" OVERALL WHITE 4" LETTERS ON DARK GREEN (I.E. DELUX 872) ABOVE 2" BLOCK NUMBERS WITH ARROW. EMBOSSED BORDER.

ARRANGEMENT: SIGN FOR N-S TO BE PLACED ON TOP AND SIGN TO BE PARALLEL TO STREET WHICH IT NAMES.

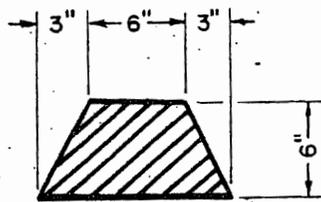
PROCURING: CITY WILL ORDER STREET SIGNS ON RECEIPT OF DEPOSIT FROM SUBDIVIDER.



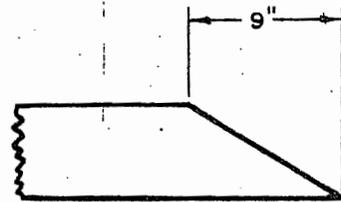
CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

STREET SIGN LOCATION

MARK	DATE	REVISION	Engineering Standard	
			Approved <i>[Signature]</i>	ST-18
			Date 9/13/79	

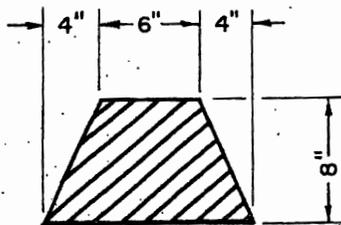


PLANT MIX ASPHALT CONCRETE

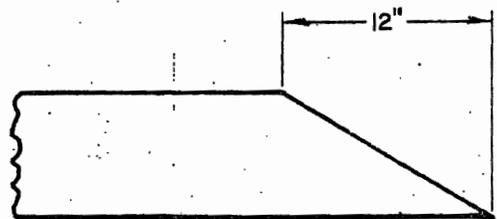


PAINTED WITH ASPHALTIC PAINT

6" DIKE

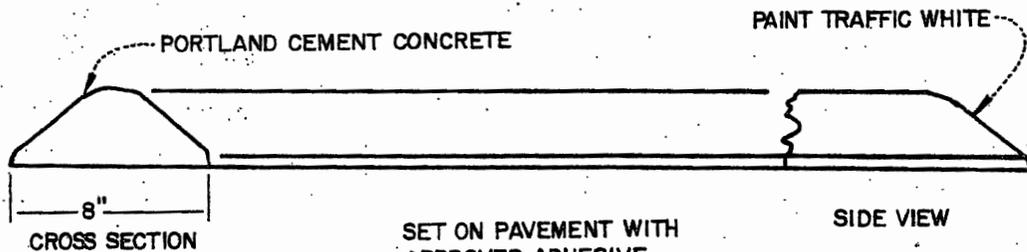
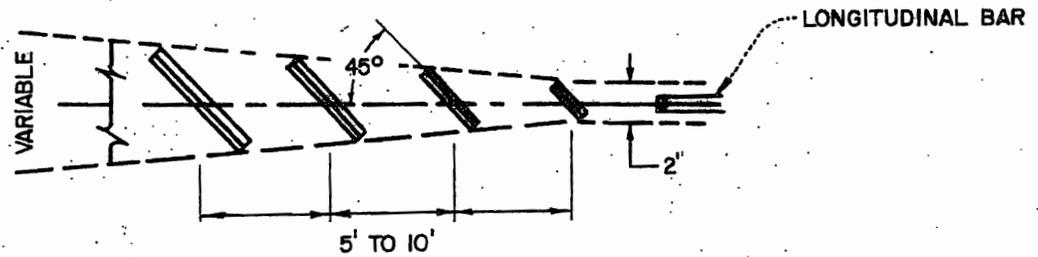


PLANT MIX ASPHALT CONCRETE



PAINTED WITH ASPHALTIC PAINT

8" DIKE



SET ON PAVEMENT WITH APPROVED ADHESIVE

SIDE VIEW

RAISED TRAFFIC BARS

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

TRAFFIC BARS

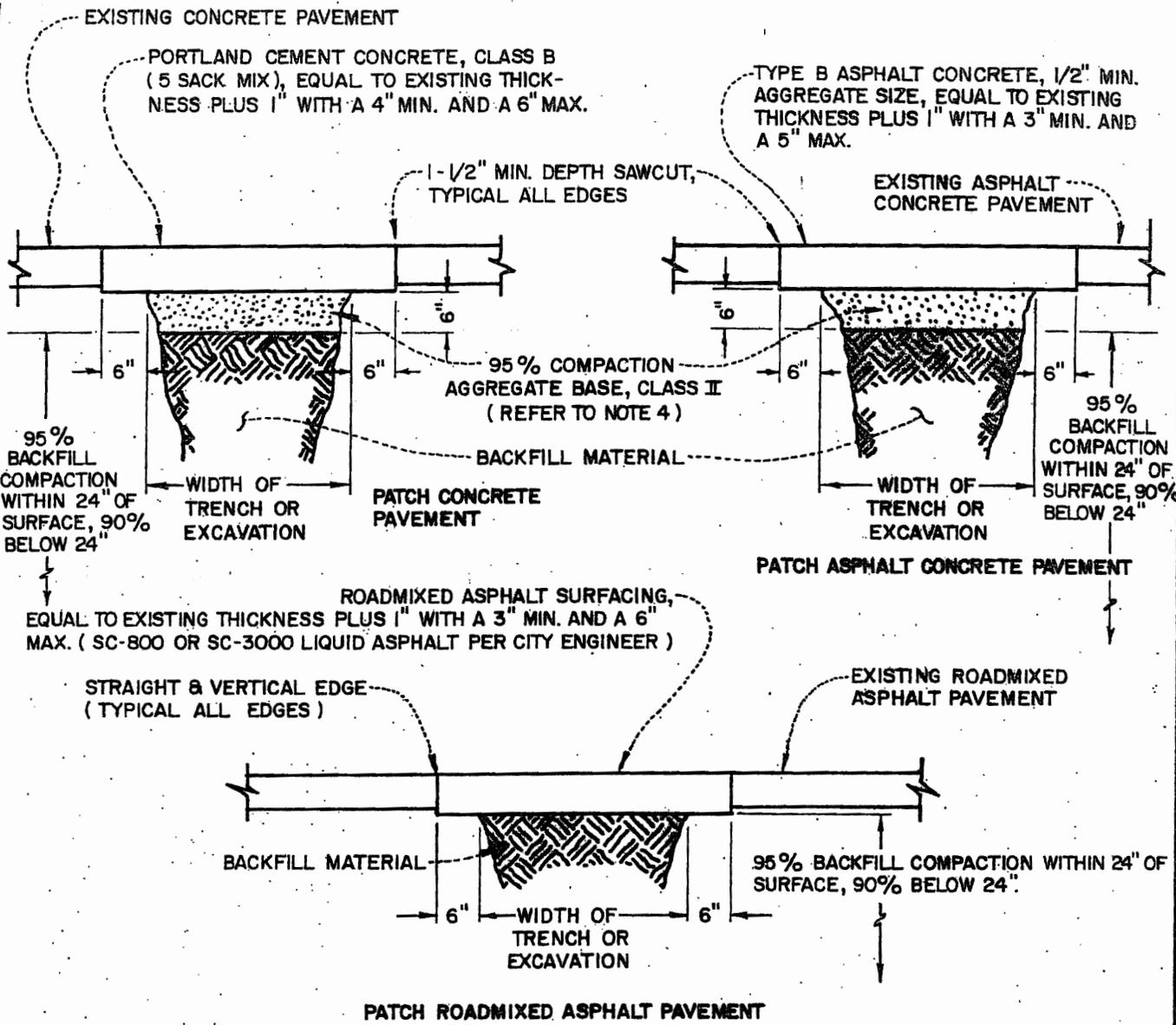
MARK	DATE	REVISION

Engineering Standard

Approved *[Signature]*

Date: 7/19/79

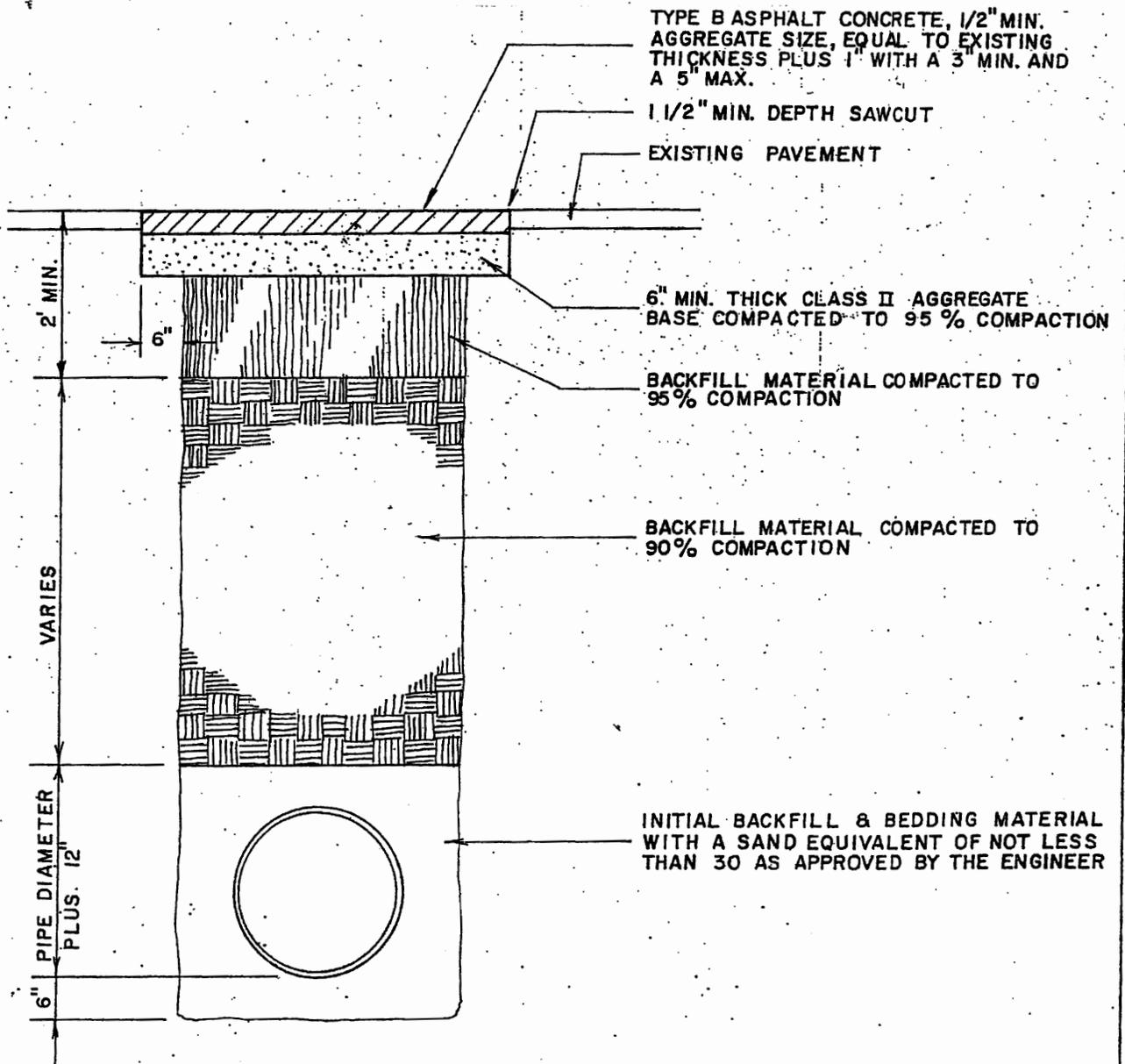
ST-19



GENERAL NOTES :

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO CITY STANDARD SPECIFICATIONS.
2. SUITABILITY OF BACKFILL MATERIAL SHALL BE AT THE DISCRETION OF THE CITY ENGINEER.
3. BACKFILL COMPACTION OUTSIDE OF ROADWAY OR ALLEYWAY STRUCTURAL SECTION SHALL BE 85%. (EXAMPLE : BEHIND BACK OF CURB OR WITHIN EASEMENTS.)
4. DECOMPOSED GRANITE FROM SOURCE APPROVED BY CITY ENGINEER MAY BE SUBSTITUTED FOR CLASS II BASE WITH A 10% INCREASE IN THE REQUIRED BASE THICKNESS AND 95% COMPACTION IN THE BASE. THIS SUBSTITUTION WILL ONLY BE ALLOWED IN MINOR COLLECTOR, LOCAL OR CUL-DE-SAC ROADWAYS AND IN ALLEYWAYS AND WOULD REQUIRE A 10% INCREASE IN THE THICKNESS INDICATED. THIS SUBSTITUTION WILL NOT BE ALLOWED WITH MAJOR COLLECTOR OR ARTERIAL ROADWAYS.
5. SAWCUTS OR VERTICAL EDGES SHALL BE MADE PARALLEL TO, OR AT RIGHT ANGLES TO, THE CENTER-LINE OF THE ROADWAY OR ALLEYWAY.
6. PATCHES LESS THAN TWO FEET FROM EXISTING PATCHES, EDGES OF PAVEMENT OR GUTTERS SHALL BE EXTENDED TO INCLUDE THE INTERMEDIATE ISOLATING STRIP OF EXISTING PAVEMENT.

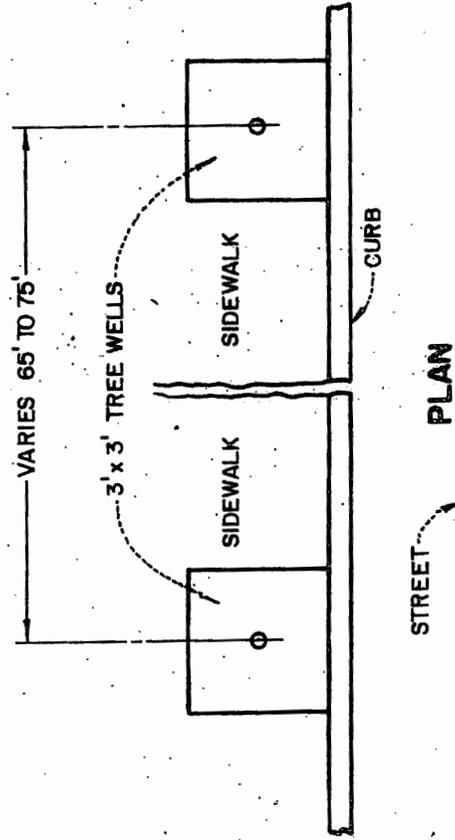
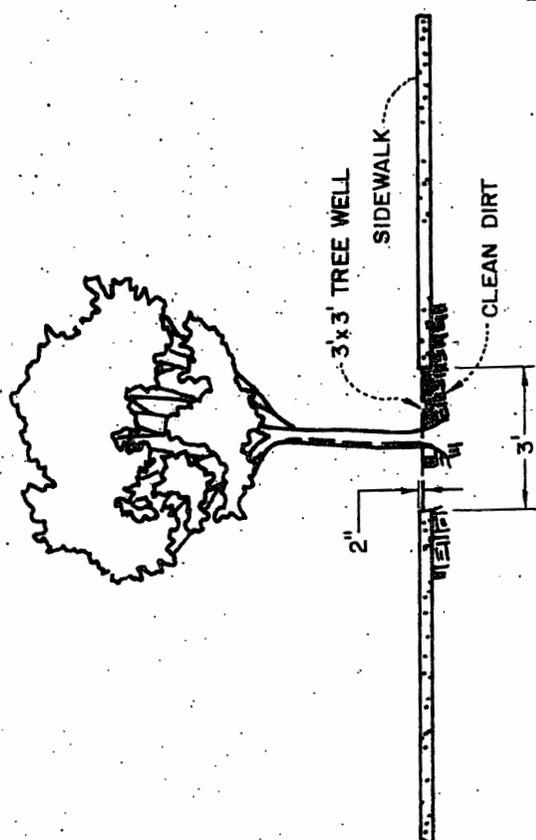
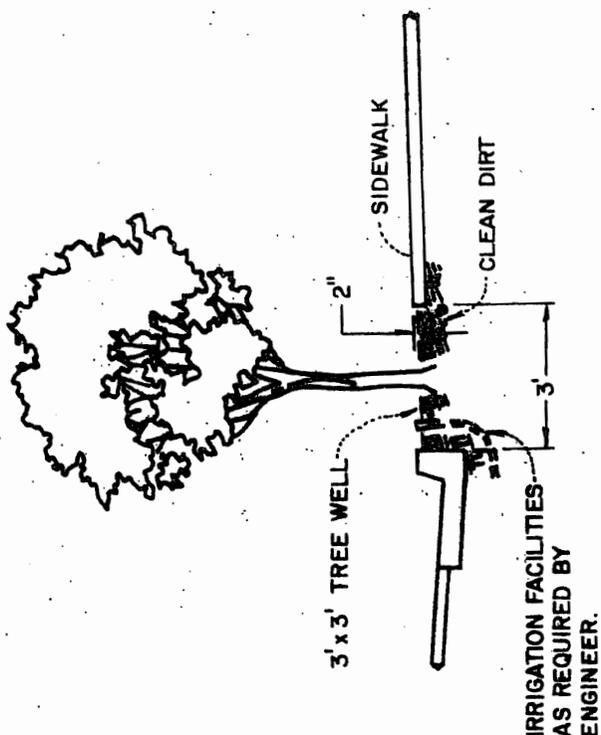
CITY OF <i>Lindsay</i> DEPARTMENT OF PUBLIC WORKS		PAVEMENT PATCHES			
	MARK	DATE	REVISION	Engineering Standard	ST-20
				Approved <i>[Signature]</i>	
				Date 9/14/79	



TYPICAL TRENCH SECTION AT PAVED AREAS

CITY OF *Lindsay*
DEPARTMENT OF PUBLIC WORKS

MARK	DATE	REVISION	Engineering Standard	ST-20A
			Approved	
			Date	



- NOTES:
1. PAVE SURFACE WITH BRICKS OR FLOWERS
 2. FORM LUMBER FOR TREE WELL SHALL BE 2" x 4"
 3. ONE INCH CONCRETE CAPPING MAY BE REQUIRED.
 4. IRRIGATION FACILITIES SHALL BE REQUIRED BY THE ENGINEER.

CITY OF *Lindsay*
 DEPARTMENT OF PUBLIC WORKS

**TREE WELL
 COMMERCIAL SIDEWALK PATTERN ONLY**

MARK	DATE	REVISION	Engineering Standard
			Approved <i>[Signature]</i> ST-21
			Date 9/13/79