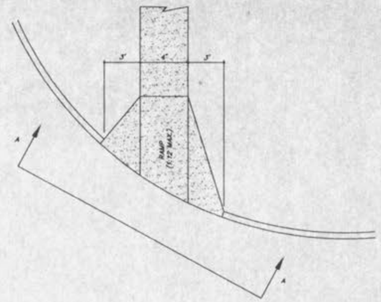
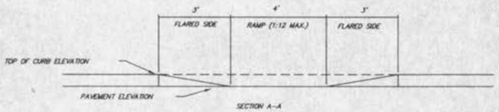
Revised 07-25-00
Revised 02-07-01
Revised 02-23-01

STREET DETAILS
# PENNIAL PARK
## PHASE 1

June 2, 2000 — 96-8791



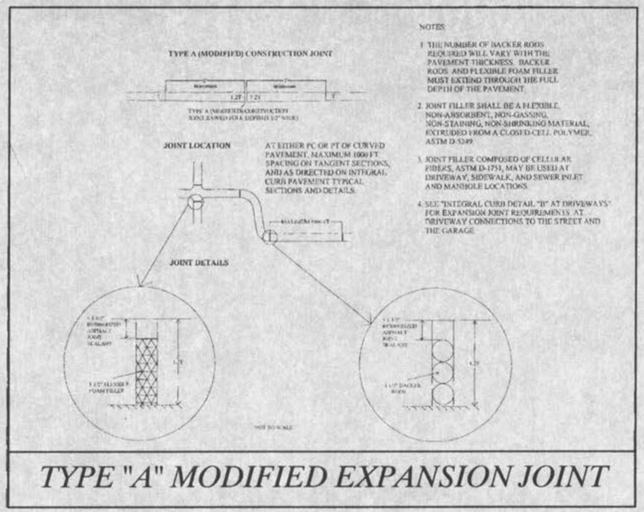

## HANDICAPPED RAMP DETAIL
NOT TO SCALE

| TYPE 3 CURB RAMP | |
|---|---|
| "G" GRADE ALONG CURB (%) | "L" MIN. LENGTH OF RAMP SLOPE (L.F.) |
| NEGATIVE (-) VALUES | 3 |
| 0 TO +2 | 4 |
| +2.01 TO +3 | 5 |
| +3.01 TO +4 | 8 |
| +4.01 TO +5 | 11 |
| +5.01 TO +6 | 11 |
| GREATER THAN +6 | 15 |

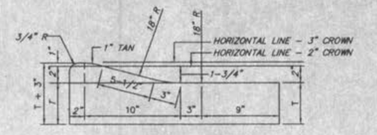
NOTE: Positive (+) "G" – Proceeding away from intersection and up a grade.
Negative (–) "G" – Proceeding away from intersection and down a grade.

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with these details and the current approved "Americans with Disabilities Act Accessibility Guidelines" (A.D.A.A.G.).
3. Provide a landing at the top of each straight ramps when Grade Along Curb ("G") is greater than +2% and less than +7%. For other values of "G", including all negative (–) values, no landing is required.
4. Minimum sidewalk width along 3" rolled curb shall be 4 feet.
5. Maximum sidewalk cross slope 0.02'/ft.
6. All sidewalk sections shall be 4" thick, except where indicated otherwise by shaded portions shown on details. All sidewalk sections and curb ramps, regardless of thickness, shall be paid for as "Concrete Sidewalk".
7. Where curb ramp meets pavement, bullnose will not be permitted.
8. Construct a diagonal ramp when the maximum corner radius allowed for a straight ramp is exceeded.
9. If integral concrete curb is constructed, strike a dummy joint across bottom of ramp at curb line. If concrete curb is doweled-on, block out pavement to provide full depth curb across ramp from outer point of curb taper to outer point of curb taper.
10. For sidewalk locations on cul-de-sacs, refer to "Pavement Construction Details".
11. For pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Joints and Curbs" "Joints and Curbs", Standard Drawing C502.03.
12. For roadway cross slopes, pavement types, and thicknesses, refer to "Standard Typical Section".
13. The intersection of two sidewalks or the intersection of a sidewalk and a driveway may serve as a wheelchair passing spaces on sidewalks less than 5 feet wide.

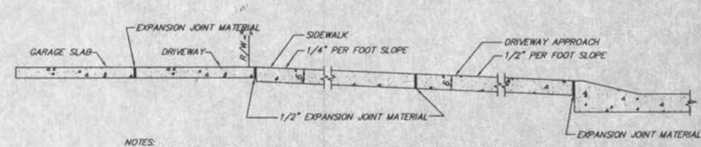



## TYPE "A" MODIFIED EXPANSION JOINT



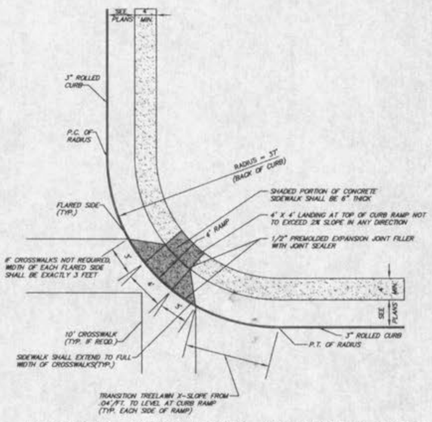

## INTEGRAL ROLLED CURB

## INTEGRAL CURB PAVEMENT TYPICAL SECTIONS AND DETAILS

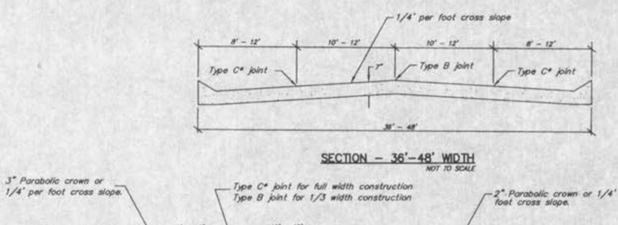



NOTES:
1. A 1" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON THE OUTER EDGE OF CURVED PAVEMENT.
2. A 1/2" JOINT IS REQUIRED AT THE CURB AND GARAGE FOR ALL DRIVEWAYS LOCATED ON TANGENT SECTIONS OF PAVEMENT OR ON THE INNER EDGE OF CURVED PAVEMENT.
3. EXPANSION JOINT MATERIAL MUST EXTEND THROUGH THE FULL DEPTH OF THE PAVEMENT.

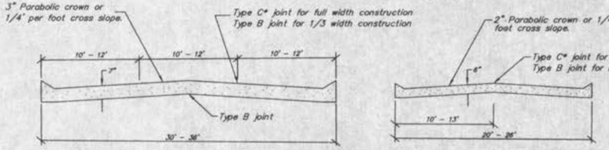
## INTEGRAL CURB DETAIL "B" AT DRIVEWAYS
N.T.S.




## DIAGONAL CURB RAMP–3" ROLLED CURB (TYPE 9)
NOT TO SCALE



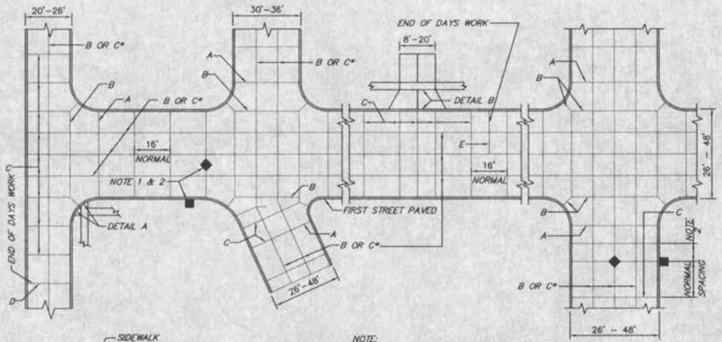

## SECTION – 36'–48' WIDTH
NOT TO SCALE




## SECTION – 30'–36' WIDTH
NOT TO SCALE



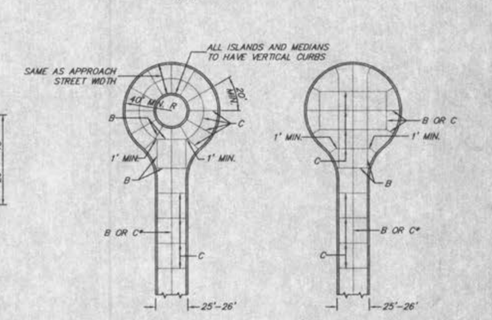

## SECTION – 20'–26' WIDTH
NOT TO SCALE





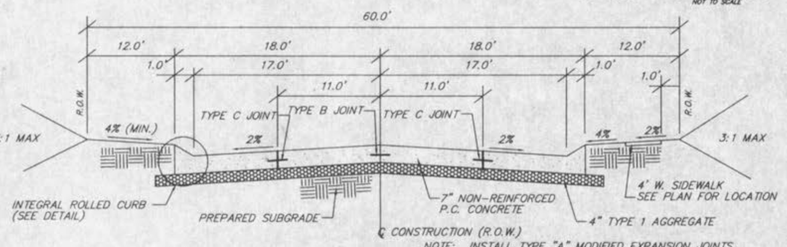
NOTE:
JOINT FILLER MATERIAL SHALL MEET ASTM DESIGNATIONS AS FOLLOWS:
BITUMINOUS TYPE.....ASTM D-944-53
NONEXTRUDING & RESILIENT BITUMINOUS TYPE (FIBER).....ASTM 1751-60T
NONEXTRUDING & RESILIENT NONBITUMINOUS TYPE (RUBBER)...ASTM D-5249
NOTE:
ALL JOINTS OF THE COLLECTOR ROAD TO BE SAW CUT JOINTS, NO TROWEL JOINTS WILL BE ALLOWED.

## PLAN OF JOINT LOCATION
N.T.S.



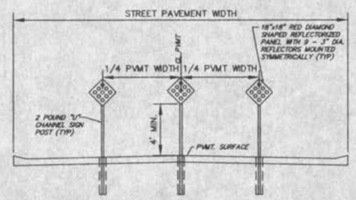

## CUL-DE-SAC OPEN CENTER
N.T.S.

## CUL-DE-SAC FULLY PAVED
N.T.S.



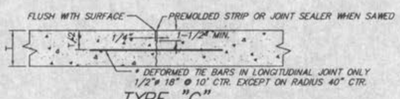

NOTE: INSTALL TYPE "A" MODIFIED EXPANSION JOINTS PER THE CITY OF O'FALLON

## TYPICAL SECTION
(36' W. P.C. CONC. PVMT.)
(NOT TO SCALE)

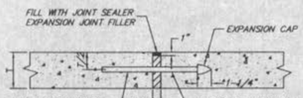



## END OF PAVEMENT BARRICADE DETAIL
NOT TO SCALE

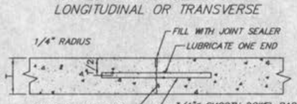
## SEE TYPE "A" MODIFIED EXPANSION JOINT DETAIL



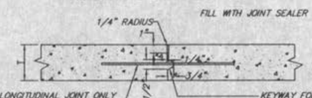

## TYPE "C"
SAWED OR PREMOLDED STRIP LONGITUDINAL OR TRANSVERSE



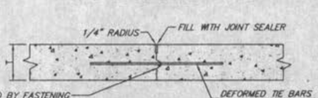

## TYPE "A"
ALTERNATE EXPANSION JOINT




## TYPE "D"
TRANSVERSE CONSTRUCTION JOINT

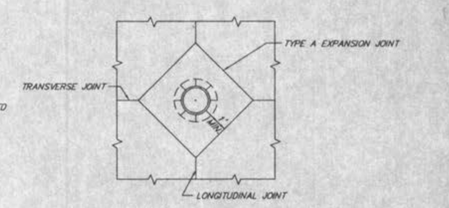



## TYPE "B"
LONGITUDINAL CONSTRUCTION JOINT

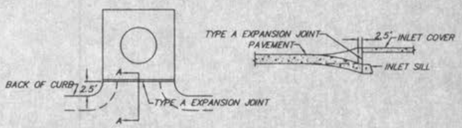



## TYPE "E"
TIED TRANSVERSE CONSTRUCTION JOINT

NOTE:
Joint Sealant Material shall meet A.S.T.M. and A.A.S.H.T.O. Designations as follows:
A.S.T.M. D-3405.....A.A.S.H.T.O. M-301 or
A.S.T.M. D-1190-74.....A.A.S.H.T.O. M-173-84
or the latest revisions thereof.

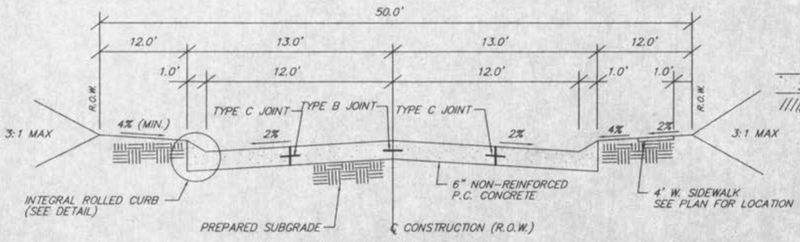



## MANHOLE BOXING
N.T.S.

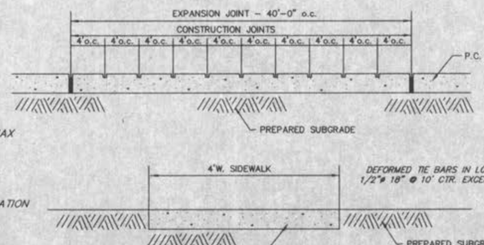



## INLET JOINT
N.T.S.

## SECTION A–A
N.T.S.




## TYPICAL SECTION
(26' W. P.C. CONC. PVMT.)
(NOT TO SCALE)




## CONCRETE SIDEWALK DETAIL
NOT TO SCALE

NOTES
1) ALL CATCH BASINS SHALL BE SEPARATED FROM THE PAVEMENT AND CURB BY EXPANSION JOINT MATERIAL EXTENDING COMPLETELY THROUGH CURB AND SLAB. MANHOLE CASTINGS WITHIN THE PAVEMENT LIMITS SHALL BE BOXED IN AS SHOWN.
2) WHEN A JOINT FALLS WITHIN 5 FEET OF OR CONTACTS BASIN, MANHOLES OR OTHER STRUCTURES, SHORTEN ONE OR MORE PANELS EITHER SIDE OF OPENING TO PERMIT JOINT TO FALL ON ROUND STRUCTURES AND AT OR BETWEEN CORNERS OF RECTANGULAR STRUCTURES.
3) T = 6" ON LOCAL STREET.
4) T = 7" ON MAJOR OR THRU STREET.