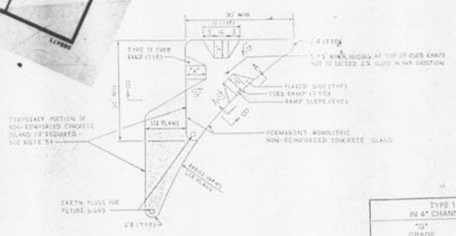
CONSTRUCTION DETAILS

ESTATES/VILLAS AT HIGHGROVE
JOB NO. 98-02-036
PHASE II

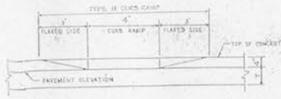
CD1



PLAN
(TYPE 11 CURB RAMP)

TYPE 11 CURB RAMP IN 4" CHANNELIZATION ISLAND	
"G" GRADE ACROSS ISLAND (%)	"X" MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (−) VALUES	4
0 TO +1	5
+1.01 TO +2	6
+2.01 TO +3	7
+3.01 TO +4	8
GREATER THAN +4	10

NOTE: Positive (+) "G" - Proceeding away from curb and up a grade.
Negative (−) "G" - Proceeding away from curb and down a grade.

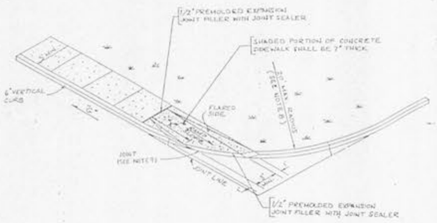


SECTION A - A
(TYPE 11 CURB RAMP)

ST. LOUIS COUNTY PROJ.

GENERAL NOTES

1. Do not scale drawings. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with Khare details and the current approved "Handicare with Disabilities Act Accessibility Guidelines" (ADAAG).
3. Where curb ramp meets pavement, bullnose will not be permitted.
4. "G" refers to the steepness of the pavement.
5. Where the lane ramps on an approach to an intersection, additional ramps or temporary portion of a channelizing island may be required.
6. Permanent channelization islands constructed in situations where concrete pavement shall be installed prior to placement of concrete pavement shall be installed first. Temporary portions of Type "S" bituminous concrete shall be placed on permanent channelization islands (if required) shall be placed on the subgrade without dowel bars adjacent to permanent islands and shall be placed on top of Type "S" bituminous concrete wearing surface.
7. Permanent channelization islands constructed in concrete pavement shall be installed after placement of concrete pavement has been previously blocked out. Temporary portions of channelization islands (if required) shall be placed on the subgrade and installed without dowel bars adjacent to permanent islands on top of concrete pavement.

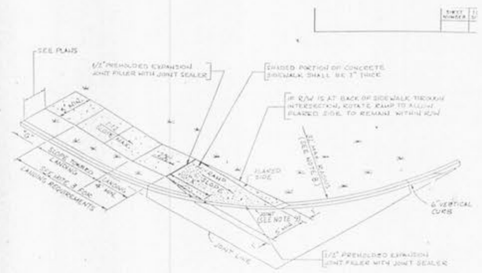


Sidewalk at Back of Curb

STRAIGHT CURB RAMP - 6" VERTICAL CURB
(TYPE 1)

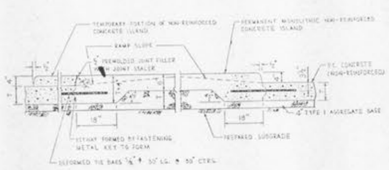
TYPE 1 AND TYPE 2 CURB RAMPS	
"G" GRADE ALONG CURB (%)	"X" MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (−) VALUES	6
0 TO +1	7
+1.01 TO +2	8
+2.01 TO +3	10
+3.01 TO +4	12
GREATER THAN +4	15

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

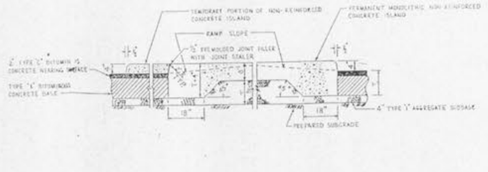


Treelawn at Back of Curb

STRAIGHT CURB RAMP - 6" VERTICAL CURB
(TYPE 2)

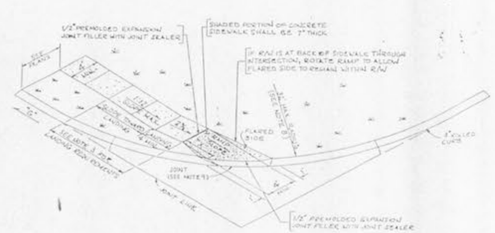


SECTION B - B
P.C. CONCRETE PAVEMENT



SECTION B - B
BITUMINOUS CONCRETE PAVEMENT

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFF
CLAYTON, MISSOURI
INTERSECTION CHANNELIZATION DETAIL
4" RAISED CONCRETE CHANNELIZATION ISLAND WITH CURB RAMPS
APPROVED: _____ ENGINEER OF PLANNING AND DESIGN
DATE: 4/19/93 DRAWING C608.13



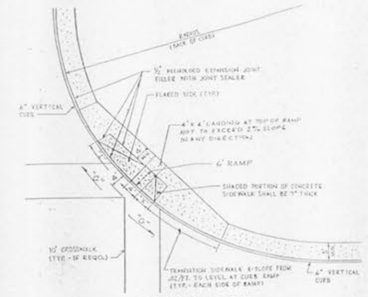
Treelawn at Back of Curb

STRAIGHT CURB RAMP - 3" ROLLED CURB
(TYPE 3)

TYPE 3 CURB RAMP	
"G" GRADE ALONG CURB (%)	"X" MIN. LENGTH OF RAMP SLOPE (L.F.)
NEGATIVE (−) VALUES	3
0 TO +2	4
+2.01 TO +3	5
+3.01 TO +4	6
+4.01 TO +5	8
+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.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFF
CLAYTON, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS
APPROVED: _____ ENGINEER OF PLANNING AND DESIGN
DATE: 4/19/93 DRAWING C608.10

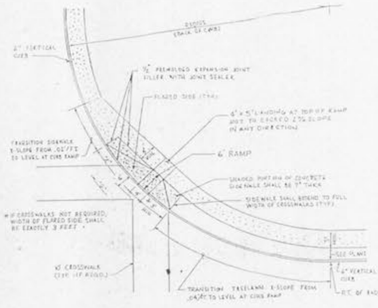


Sidewalk at Back of Curb

DIAGONAL CURB RAMP - 6" VERTICAL CURB
(TYPE 4)

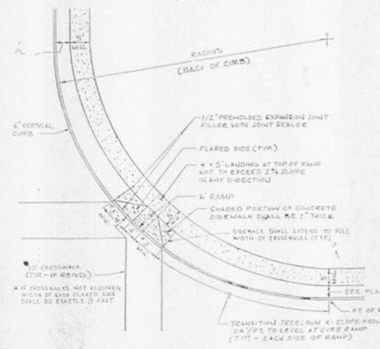
TYPE 4 AND TYPE 5 CURB RAMPS (WHERE PEDESTRIANS CAN WALK ACROSS RAMPS)	
"G" GRADE ALONG CURB THROUGH ROUNDING (%)	"X" LENGTH OF FLARED SIDE ALONG CURB (L.F.)
NEGATIVE (−) VALUES	5
0 TO +1	6
+1.01 TO +2	7
+2.01 TO +3	8
+3.01 TO +4	9
+4.01 TO +5	10
+5.01 TO +6	13
GREATER THAN +6	15

NOTE: Positive (+) "G" - Proceeding away from ramp and up a grade.
Negative (−) "G" - Proceeding away from ramp and down a grade.



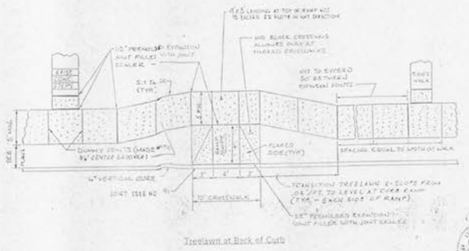
Combination of Sidewalk at Back of Curb and Treelawn at Back of Curb

DIAGONAL CURB RAMP - 6" VERTICAL CURB
(TYPE 5)



Treelawn at Back of Curb

DIAGONAL CURB RAMP - 6" VERTICAL CURB
(TYPE 6)



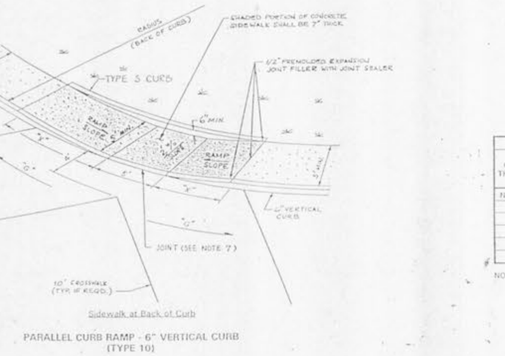
Treelawn at Back of Curb

TYPICAL SIDEWALK INSTALLATION
(WITH MIDBLOCK CURB RAMP - TYPE 7)

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with Khare details and the current approved "Handicare with Disabilities Act Accessibility Guidelines" (ADAAG).
3. Minimum sidewalk width along 6" vertical curb shall be 5 feet. Minimum sidewalk width along 5" rolled curb shall be 4 feet.
4. Maximum sidewalk cross slope 0.02"/2".
5. 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".
6. Where curb ramp meets pavement, bullnose will not be permitted.
7. If integral concrete curb is constructed, utilize a dummy joint across bottom of ramp at curb line. If concrete curb is doweled in, block out pavement to provide full depth curb across ramp from outer point of curb taper to other point of curb taper.
8. For sidewalk locations on Cul-De-Sacs, refer to "Pavement Construction Details".
9. For pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Knuckle and Curve". Standard Sheets C600.01.
10. For curbing, cross slopes, pavement types, and subdrainage, refer to "Pavement Typical Sections".
11. The intersection of two sidewalks on the intersection of a sidewalk with a driveway shall be symmetrical, possess equal minimum lead lengths and

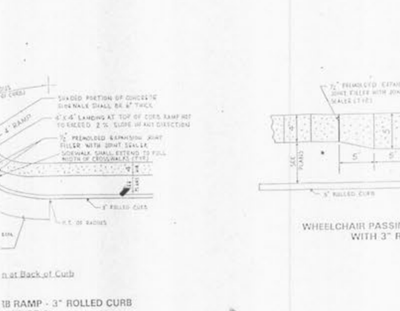
ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFI
CLAYTON, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS
APPROVED: _____ ENGINEER OF PLANNING AND DESIGN
DATE: 4/19/93 DRAWING C608.11



Sidewalk at Back of Curb

PARALLEL CURB RAMP - 6" VERTICAL CURB
(TYPE 10)

(WHERE PASSAGE BEHIND RAMP CANNOT BE CONSTRUCTED DUE TO SITE INFEASIBILITY)

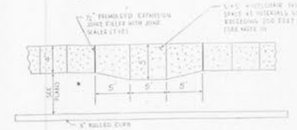


Treelawn at Back of Curb

DIAGONAL CURB RAMP - 3" ROLLED CURB
(TYPE 9)

TYPE 10 CURB RAMP	
"G" GRADE ALONG CURB THROUGH ROUNDING (%)	"X" LENGTH OF FLARED SIDE ALONG CURB (L.F.)
NEGATIVE (−) VALUES	6
0 TO +1	7
+1.01 TO +2	8
+2.01 TO +3	10
+3.01 TO +4	12
GREATER THAN +4	15

NOTE: Positive (+) "G" - Proceeding away from ramp and up a grade.
Negative (−) "G" - Proceeding away from ramp and down a grade.



WHEELCHAIR PASSING SPACE - 4' SIDEWALK WITH 3" ROLLED CURB

GENERAL NOTES

1. Do not scale drawing. Follow dimensions.
2. Sidewalks and sidewalk curb ramps shall be constructed in accordance with Khare details and the current approved "Handicare with Disabilities Act Accessibility Guidelines" (ADAAG).
3. Minimum sidewalk width along 6" vertical curb shall be 5 feet. Minimum sidewalk width along 5" rolled curb shall be 4 feet.
4. Maximum sidewalk cross slope 0.02"/2".
5. 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".
6. Where curb ramp meets pavement, bullnose will not be permitted.
7. If integral concrete curb is constructed, utilize a dummy joint across bottom of ramp at curb line. If concrete curb is doweled in, block out pavement to provide full depth curb across ramp from outer point of curb taper to other point of curb taper.
8. For sidewalk locations on cul-de-sacs, refer to "Pavement Construction Details".
9. For pavement longitudinal and transverse joints and dowel and tie bar requirements and dimensions, refer to the Pavement Construction Details for "Knuckle and Curve". Standard Sheets C600.01.
10. For curbing, cross slopes, pavement types, and subdrainage, refer to "Pavement Typical Sections".
11. The intersection of two sidewalks on the intersection of a sidewalk with a driveway shall be symmetrical, possess equal minimum lead lengths and

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DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
PAVEMENT CONSTRUCTION DETAILS
CONCRETE SIDEWALK AND CURB RAMPS
APPROVED: _____ ENGINEER OF PLANNING AND DESIGN
DATE: 4/19/93 DRAWING C608.12