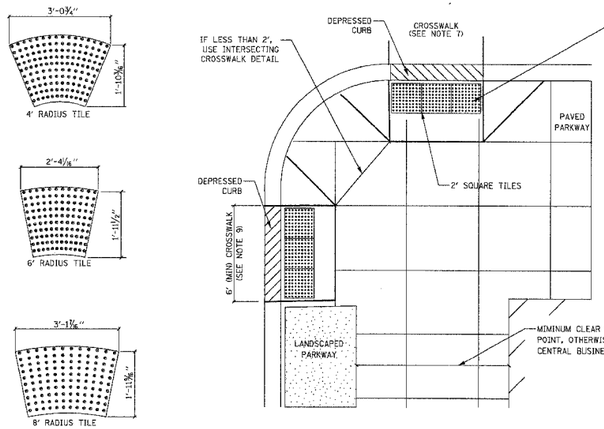
F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	38	27
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

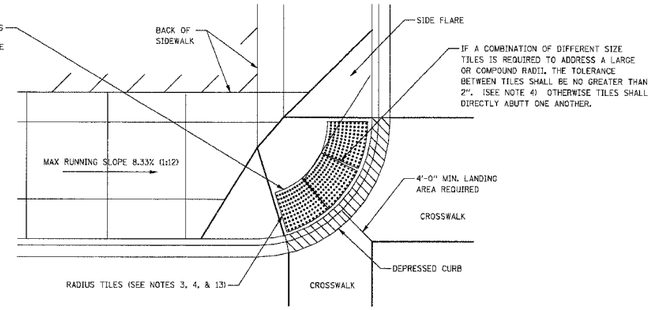
62303 * 2005-073 LS



NOMINAL CURB RADII	TILE SIZE
13'-15'	3'-1⅞" X 1'-11⅞"
11'-13'	2'-4⅛" X 1'-11⅞"
9'-11'	1'-11½" X 1'-11⅞"
7'-9'	3'-1⅞" X 1'-11⅜"
5'-7'	2'-4⅛" X 1'-11½"
3'-5'	3'-0¾" X 1'-10⅜"

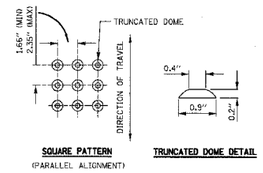
1 TYPICAL SLOPE WITH FULL WALK WHERE CROSSWALKS DO NOT INTERSECT

NOT TO SCALE



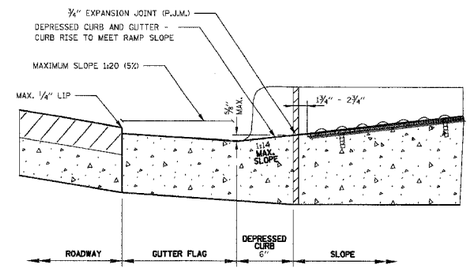
2 TYPICAL SLOPE WITH FULL WALK WHERE CROSSWALKS INTERSECT

NOT TO SCALE



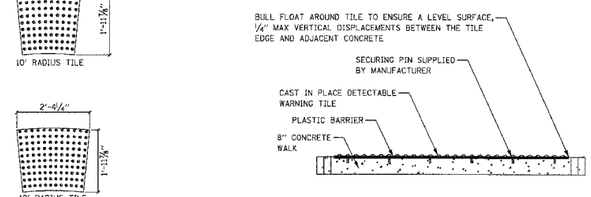
6 DETECTABLE WARNINGS DETAIL

NOT TO SCALE



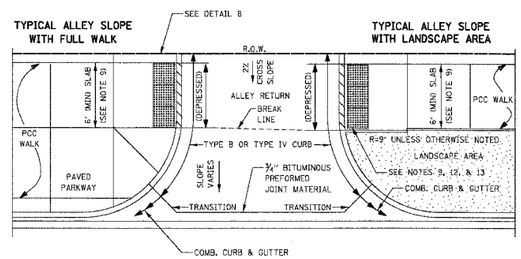
7 DEPRESSED CURB DETAIL

NOT TO SCALE



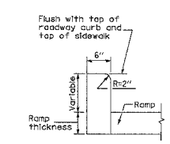
3 TYPICAL TILE PLACEMENT CROSS SECTION

NOT TO SCALE



4 TYPICAL TILE PLACEMENT, ALLEY RETURN

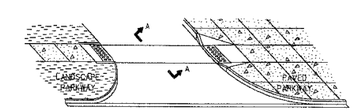
NOT TO SCALE



8 DETAIL OF SIDE CURB, ONLY AT ALLEYS AND LANDSCAPED PARKWAYS

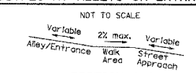
NOT TO SCALE

(Side curb may be constructed monolithically with ramp)

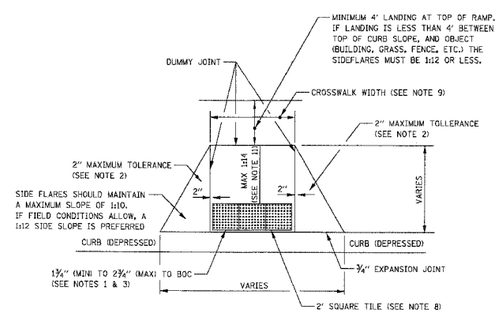


9 SLOPES AT ALLEYS OR ENTRANCES

NOT TO SCALE



SECTION A-A



5 TILE PLACEMENT DETAIL, WITH FLARES

NOT TO SCALE

GENERAL NOTES:

1. THE DETECTABLE WARNING TILES SHALL BE REINFORCED CERAMIC CEMENT (RCC) TILES WHICH MEET THE CHICAGO DEPARTMENT OF TRANSPORTATION SPECIFICATION. (AVAILABLE ON THE CITY OF CHICAGO WEBSITE) IN CENTRAL BUSINESS DISTRICT, GRANITE OR OTHER SPECIALTY PAVING MATERIALS MAY BE SUBMITTED TO THE COMMISSIONER FOR APPROVAL. (SEE NOTE 9)
2. TILES MUST BE INSTALLED 1 ¾" TO 2 ¾" FROM BACK OF CURB, DEPENDING ON WIDTH OF EXPANSION JOINT.
3. TILES MUST COVER FULL WIDTH OF SLOPE EXCLUDING SIDE FLARES.
4. TILES MUST COVER FULL WIDTH OF SLOPE IF CROSSWALKS INTERSECT, SEE DETAIL 2.
5. WHERE APPLICABLE, A COMBINATION OF DIFFERING SIZE TILES MAY BE USED ON COMPOUND AND LARGE RADII. CONTRACTOR MUST MAKE THIS DETERMINATION AND VERIFY IN FIELD AND WITH THE RESIDENT ENGINEER.
6. CONTRACTOR MUST SUBMIT A WRITTEN OR SKETCHED LAYOUT OF ALL SLOPES PRIOR TO ORDERING TILES.
7. CONTRACTOR IS NOT ALLOWED TO SUBSTITUTE ANY OTHER METHOD OF SATISFYING THIS CDOT REQUIREMENT.
8. ALL SLOPES MUST BE CENTERED ON CROSSWALK. CROSSWALK WIDTH IS THE DISTANCE BETWEEN 2' BACK FROM FACE OF CURB AND THE PROPERTY LINE.
9. TILES MUST CONTRAST WITH ADJACENT PAVEMENT. IF LIGHT COLORED PAVEMENT IS USED THE TILE COLOR SHALL BE RED. IF A DARK COLORED PAVEMENT IS USED THE TILE COLOR SHALL BE YELLOW. DESIGNER TO VERIFY THAT PROPER CONTRAST IS OBTAINED.
10. SLOPE WIDTH MUST BE A MINIMUM OF 4'-0" AND IN INCREMENTS OF 2'-0". WHEREVER POSSIBLE THE SLOPE SHALL MATCH THE WIDTH OF THE CROSSWALK. FOR LOCATIONS INSIDE THE CENTRAL BUSINESS DISTRICT, A MINIMUM OF 6' RAMPS ARE REQUIRED. FOR LOCATIONS OUTSIDE THE CENTRAL BUSINESS DISTRICT, A MINIMUM OF 4' RAMPS ARE REQUIRED.
11. PRIOR TO PLACING CONCRETE FOR DEPRESSED CURBS AND/OR SLOPES THE CONTRACTOR SHALL NOTIFY THE COMMISSIONER TO RECEIVE LAYOUT APPROVAL. A PRE-MANUFACTURED TILE, APPROVED BY THE COMMISIONER, MUST BE USED TO ACHIEVE THE DETECTABLE WARNING SURFACE.
12. THE MAXIMUM ALLOWABLE SLOPE IS 1:14. IF POSSIBLE, A MORE GRADUAL SLOPE SHALL BE USED.
13. IF SIDEWALK AND ALLEY ARE AT THE SAME GRADE, RAMP IS NOT REQUIRED BUT DETECTABLE WARNING TILES ARE STILL REQUIRED.
14. DETECTABLE WARNING DOMES MUST BE ONLY AT THE BOTTOM 2' OF ALL SLOPES AND MUST CONTRAST IN COLOR WITH SLOPE AND SIDE FLARES.

REQUIRED MINIMUM FLARE WIDTHS FOR VARIOUS CURB HEIGHTS		
CURB HEIGHT (INCHES)	FLARE WIDTH (1:10) (INCHES)	FLARE WIDTH (1:12) (INCHES)
3	30	36
4	40	48
5	50	60
6	60	72
7	70	84
8	80	96
9	90	108

SUGGESTED TILE SUPPLIERS:

BINDEN CORPORATION
P.O. BOX 3513
OAK BROOK, IL 60523
630-734-0277
ATTN: THOMAS LALLY, PRESIDENT

TRAFFIC SIGNAL CORPORATION
780 W. BELDEN AVE. SUITE D
ADDISON, IL 60101
630-543-1300
ATTN: MITCH BRIGHT, SALES REPRESENTATIVE

BOWMAN, BARRETT & ASSOCIATES INC
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbandainc.com

CDT-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GATEWAY LANDSCAPING & IRRIGATION @ 35TH
CIVIL DETAILS
CITY OF CHICAGO
TYPICAL CURB SLOPE DETAILS

SCALE: NTS DRAWN BY: CDOT
DATE: 03/13/07 CHECKED BY: CDOT

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