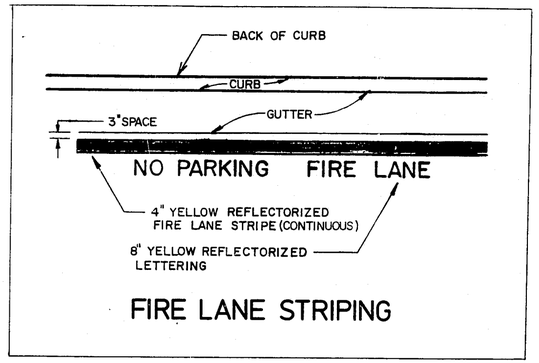
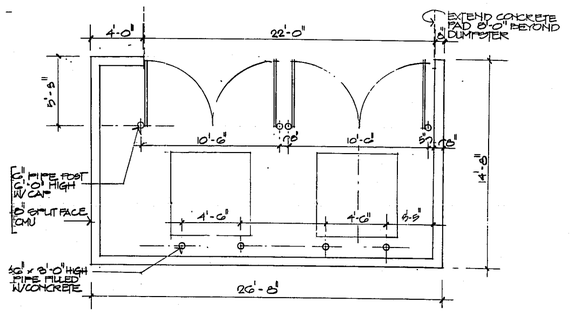
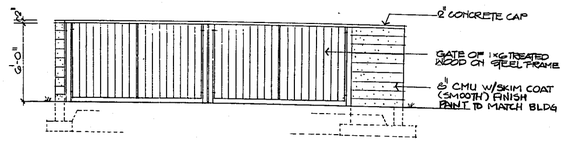


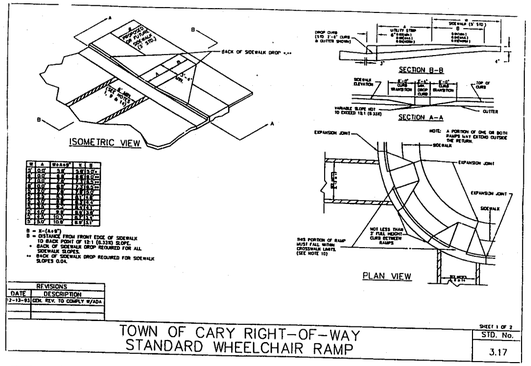
FIRE LANE STRIPING



GA/A9 DUMPSTER ENCLOSURE PLAN



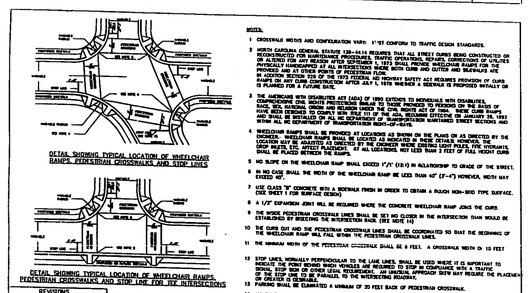
6/A9 DUMPSTER ENCLOSURE - ELEVATION



REVISIONS	
DATE	DESCRIPTION
2-13-92	GEN. REV. TO COMPLY W/ADA

TOWN OF CARY RIGHT-OF-WAY
STANDARD WHEELCHAIR RAMP

SHEET 1 OF 2 — STD. No. 3.17



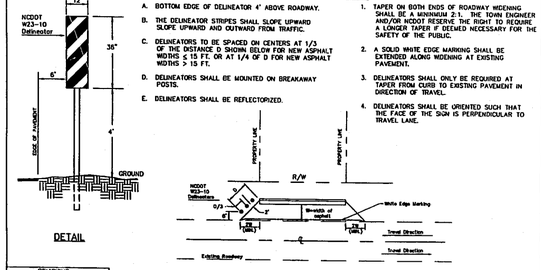
NOTES:

1. CROSSWALK WIDTHS AND CONFIGURATION VARY; 1'-ST CONFORM TO TRAFFIC DESIGN STANDARDS.
2. NORTH CAROLINA GENERAL STATUTE 136-44.14 REQUIRES THAT ALL STREET CURBS BEING CONSTRUCTED OR RECONSTRUCTED AT CROSSWALKS FOR USE BY PEDESTRIANS SHALL BE CONSTRUCTED WITH CURB RAMPS OR FLARINGS FOR ANY REVISED AFTER OCTOBER 1, 1973 SHALL PROVIDE WHEELCHAIR RAMPS FOR THE PHYSICALLY HANDICAPPED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTER ARE BEING LAID IN THE COURSE OF CONSTRUCTION OR RECONSTRUCTION OF PEDESTRIAN FLOW.
3. THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990 EXTENDS TO INDIVIDUALS WITH DISABILITIES, COMPREHENSIVE CIVIL RIGHTS PROTECTIONS SIMILAR TO THOSE AFFORDED TO PERSONS ON THE BASIS OF RACE, SEX, NATIONAL ORIGIN AND RELIGION UNDER THE CIVIL RIGHTS ACT OF 1964. NEW CURB RAMPS AND/OR SIDEWALKS SHALL BE BUILT TO ADA STANDARDS. ALL EXISTING CURB RAMPS AND/OR SIDEWALKS SHALL BE INSTALLED OR UPGRADED TO ADA STANDARDS BY THE TRANSPORTATION IMPROVEMENT PROGRAM EFFECTIVE ON JANUARY 26, 1992. REFER ALL NC DEPARTMENT OF TRANSPORTATION MAINTAINED STREET SECTIONS AND RAMPS TO NCDOT.
4. WHEELCHAIR RAMPS SHALL BE PROVIDED AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. WHEELCHAIR RAMPS SHOWN ON THE PLANS ARE SUBJECT TO FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER. LOCATION MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO AVOID CONFLICTS WITH UTILITIES, DRAINAGE STRUCTURES, ETC. WHICH AFFECT PLACEMENT. AT ALL LOCATIONS, NOT LESS THAN 2 FEET OF FULL HEIGHT CURB SHALL BE PLACED BETWEEN THE RAMPS.
5. NO SLOPE ON THE WHEELCHAIR RAMP SHALL EXCEED 1"/1" (12:1) IN RELATIONSHIP TO GRADE OF THE STREET.
6. IN NO CASE SHALL THE WIDTH OF THE WHEELCHAIR RAMP BE LESS THAN 40" (3'-4") HOWEVER, WIDTH MAY EXCEED 40".
7. USE CLASS "A" CONCRETE WITH A BROOMED FINISH IN ORDER TO OBTAIN A ROUGH NON-SKID TYPE SURFACE. SEE SHEET 1 FOR SURFACE DESIGN.
8. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE CONCRETE WHEELCHAIR RAMP JOINS THE CURB.
9. THE WIDER PEDESTRIAN CROSSWALK LINES SHALL BE SET NO CLOSER IN THE INTERSECTION THAN WOULD BE ESTABLISHED BY EXTENDING THE INTERSECTION RADII. (SEE NOTE 11)
10. THE CURB CUT AND THE PEDESTRIAN CROSSWALK LINES SHALL BE COORDINATED SO THAT THE BEGINNING OF THE WHEELCHAIR RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
11. THE MINIMUM WIDTH OF THE PEDESTRIAN CROSSWALK SHALL BE 6 FEET. A CROSSWALK WIDTH OF 10 FEET IS PREFERRED.
12. STOP LINES, NORMALLY PERPENDICULAR TO THE LANE LINES, SHALL BE USED WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE REQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN OR OTHER LEGAL REQUIREMENT. AN ANGLED OR CURVED STOP MAY REQUIRE THE PLACEMENT OF THE STOP LINE TO BE PARALLEL TO THE INTERSECTING ROADWAY.
13. PARKING SHALL BE ELIMINATED A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
14. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND THE NORTH CAROLINA SUPPLEMENT TO THE MUTCD.

REVISIONS	
DATE	DESCRIPTION
1-19-93	GEN. REV. TO COMPLY W/ADA
2-13-92	GEN. REV. TO COMPLY W/ADA

TOWN OF CARY RIGHT-OF-WAY
STANDARD WHEELCHAIR RAMP

SHEET 2 OF 2 — STD. No. 3.17



NOTES:

1. TAPER ON BOTH ENDS OF ROADWAY WIDENING SHALL BE A MINIMUM 2:1. THE TOWN ENGINEER AND/OR NCDOT RESERVE THE RIGHT TO REQUIRE A LONGER TAPER IF DEEMED NECESSARY FOR THE SAFETY OF THE PUBLIC.
2. A SOLID WHITE EDGE MARKING SHALL BE EXTENDED ALONG WIDENING AT EXISTING PAVEMENT.
3. DELINEATORS SHALL ONLY BE REQUIRED AT TAPER FROM CURB TO EXISTING PAVEMENT IN DIRECTION OF TRAVEL.
4. DELINEATORS SHALL BE ORIENTED SUCH THAT THE FACE OF THE SIGN IS PERPENDICULAR TO TRAVEL LANE.

A. BOTTOM EDGE OF DELINEATOR 4' ABOVE ROADWAY.

B. THE DELINEATOR STRIPES SHALL SLOPE UPWARD SLOPE UPWARD AND OUTWARD FROM TRAFFIC.

C. DELINEATORS TO BE SPACED ON CENTERS AT 1/3 OF THE DISTANCE D SHOWN BELOW FOR NEW ASPHALT WIDTHS ≤ 15 FT. OR AT 1/4 OF D FOR NEW ASPHALT WIDTHS > 15 FT.

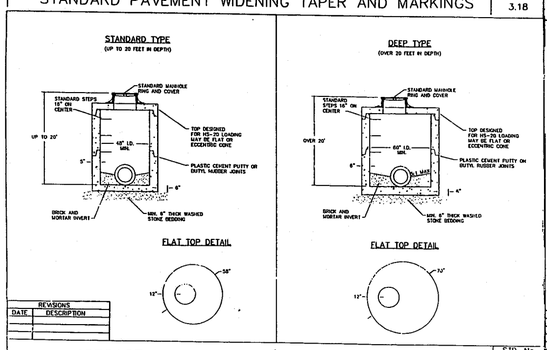
D. DELINEATORS SHALL BE MOUNTED ON BREAKAWAY POSTS.

E. DELINEATORS SHALL BE REFLECTORIZED.

REVISIONS	
DATE	DESCRIPTION
10/98	ASPHALT TO B.C. W/ADA

STANDARD PAVEMENT WIDENING TAPER AND MARKINGS

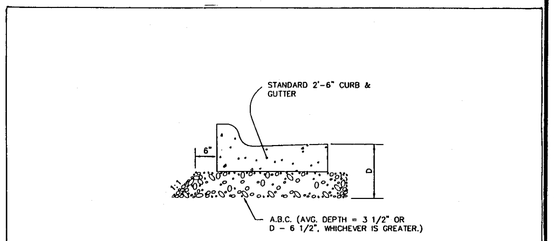
STD. No. 3.18



REVISIONS	
DATE	DESCRIPTION

PRECAST CONCRETE MANHOLE JUNCTION BOX

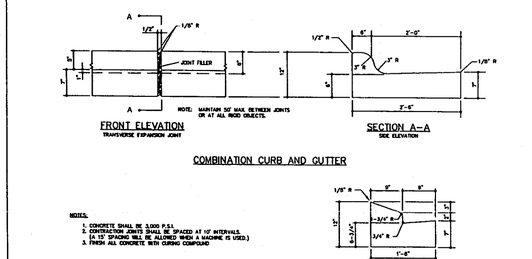
STD. No. 8.05



REVISIONS	
DATE	DESCRIPTION

A.B.C. UNDER 2'-6" CURB & GUTTER

STD. No. 3.10

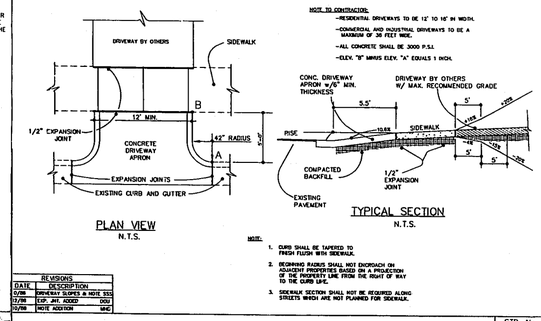


NOTES:
1. CONCRETE SHALL BE 3,000 P.S.I.
2. CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS. (4 15' SPACING WILL BE ALLOWED WHEN A MACHINE IS USED.)
3. FINISH ALL CONCRETE WITH CURING COMPOUND

REVISIONS	
DATE	DESCRIPTION
12/98	MEDIAN CURB & GUTTER SSS
10/98	DESIGNED VALLEY GUTTER MMC

STANDARD CONCRETE CURB AND GUTTER

STD. No. 3.11

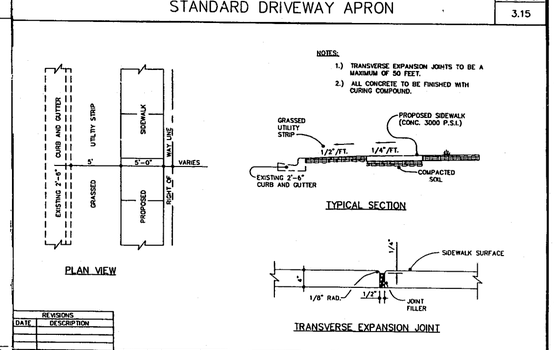


NOTE:
1. CURB SHALL BE TAPERED TO FINISH FLUSH WITH SIDEWALK.
2. DESIGNED RADIUS SHALL NOT ENCROACH ON ADJACENT PROPERTIES BASED ON A PROJECTION OF THE PROPERTY LINE FROM THE RIGHT OF WAY TO THE CURB LINE.
3. SIDEWALK SECTION SHALL NOT BE REQUIRED ALONG STREETS WHICH ARE NOT PLANNED FOR SIDEWALK.

REVISIONS	
DATE	DESCRIPTION
12/98	DRIVEWAY SLOPES & NOTE SSS
12/98	EXP. JNT. ADDED SSS
10/98	NOTE ADDITION MMC

STANDARD DRIVEWAY APRON

STD. No. 3.15



REVISIONS	
DATE	DESCRIPTION

STANDARD CONCRETE SIDEWALK

STD. No. 3.16

ENGINEERING & SURVEYING

WITHERS & RAVENEL
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Cary, N.C. 27511

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SFALS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 13039 LOFTEE GLENN SMITH

11/22/94

DRAWING TITLE

DETAILS

PROJECT TITLE 94063

CARY AUTO MALL

REVISIONS		
NUMBER	DESCIPTION	DATE

DRAWN BY

CHECKED BY

DATE ISSUED

SCALE

SHEET NO. 15

OF ____