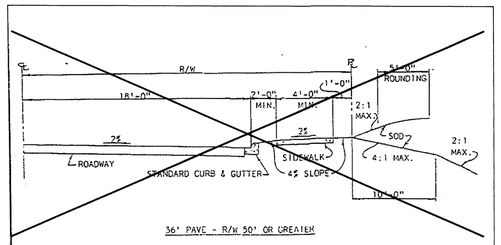
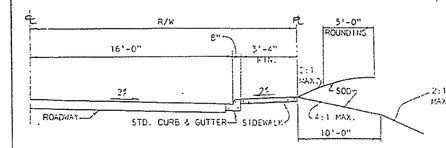


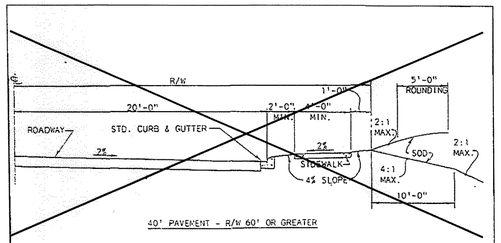
36' PAVE - R/W 50' OR GREATER



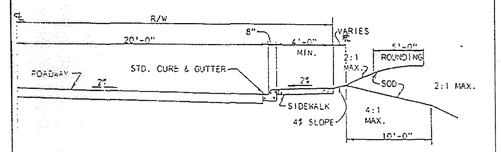
32' PAVEMENT - R/W 40'-50'

NOTES:
1. FOR ROADWAY & SIDEWALK PAVEMENT SECTIONS, SEE DETAIL R 2.0.

CITY OF ANNAPOLIS, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: DATE
STANDARD ROAD AND STREET DETAILS
TYPICAL ROADWAY SECTIONS
SHEET 1 OF 2
JUL 21 1988
REVISIONS
R 1.0



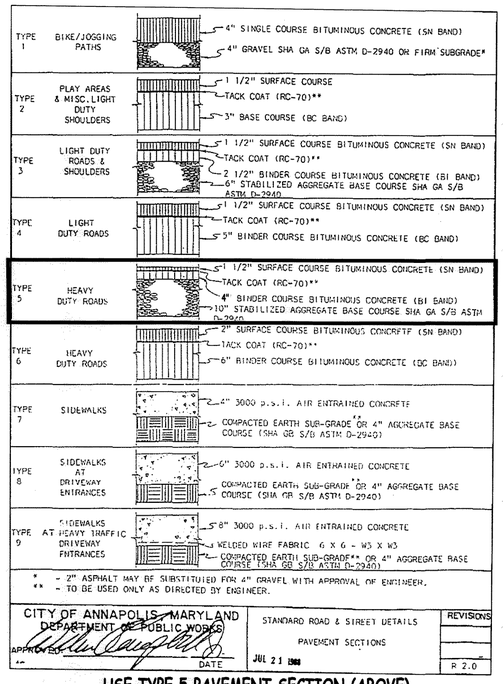
40' PAVEMENT - R/W 60' OR GREATER



40' PAVEMENT - R/W 50'-60'

NOTES:
1. FOR ROADWAY & SIDEWALK PAVEMENT SECTIONS, SEE DETAIL R 2.0.

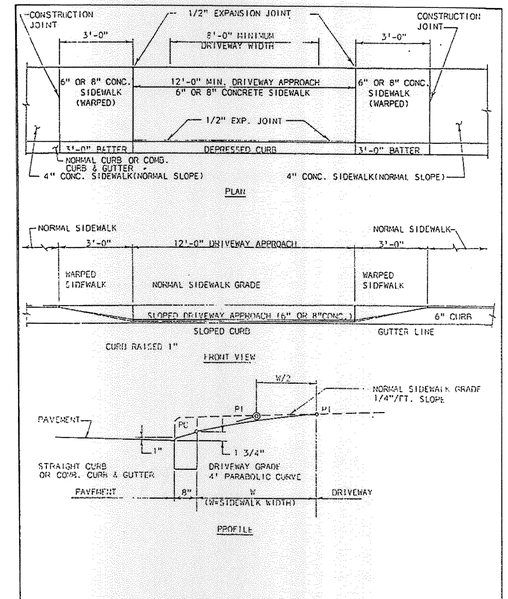
CITY OF ANNAPOLIS, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: DATE
STANDARD ROAD AND STREET DETAILS
TYPICAL ROADWAY SECTIONS
SHEET 2 OF 2
JUL 21 1988
REVISIONS
R 1.1



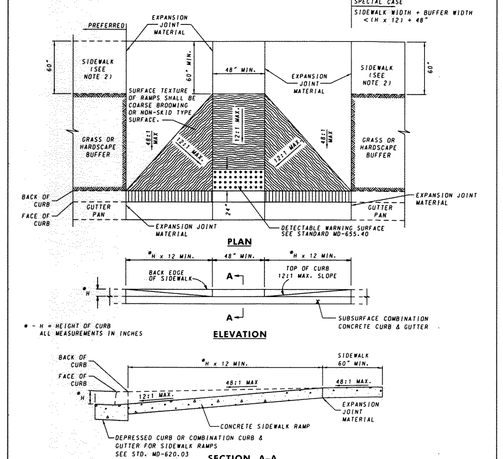
* - 2" ASPHALT MAY BE SUBSTITUTED FOR 4" GRAVEL WITH APPROVAL OF ENGINEER.
** - TO BE USED ONLY AS DIRECTED BY ENGINEER.

CITY OF ANNAPOLIS, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: DATE
STANDARD ROAD & STREET DETAILS
PAVEMENT SECTIONS
JUL 21 1988
REVISIONS
R 2.0

USE TYPE 5 PAVEMENT SECTION (ABOVE)



CITY OF ANNAPOLIS, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: DATE
STANDARD ROAD AND STREET DETAILS
DRIVEWAY ENTRANCE WITHOUT LAWN STRIP
JUL 21 1988
REVISIONS
R 4.0



NOTES

1. TO BE USED ON WIDE SIDEWALKS OR SIDEWALKS WITH SIGNIFICANT SEPARATION FROM THE ROADWAY WHERE THE GEOMETRY SPECIFIED IN THE DETAILS ABOVE CAN BE SATISFIED. MAY BE MODIFIED TO SUIT A PARTICULAR LOCATION.
2. WHERE 60" SIDEWALK CAN NOT BE PROVIDED, A DESIGN WAIVER MUST BE REQUESTED
3. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL, OR 48:1 PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
4. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH STD. MD-655.01.
5. SIDEWALK RAMP SHALL BE INCLUDED IN PRICE BID FOR CONCRETE SIDEWALK. DEPRESSED CURB AND CURB TRANSITION SHALL BE INCLUDED IN PRICE BID FOR CURB OR CURB & GUTTER ADJACENT TO SIDEWALK RAMP. DETECTABLE WARNING SURFACE SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 611 OF THE SPECIFICATIONS.
6. SIDEWALK RAMPS TO BE SHOWN ON PLANS SYMBOLICALLY AND REFERENCED WITH THE CENTER OF THE RAMP ALIGNED TO A STATION ON THE CONSTRUCTION CENTERLINE. SEPARATE DETAILS SHALL BE SHOWN WHERE PROPOSED RAMP VARIES FROM STANDARD CASES.

SPECIFICATION	CATEGORY CODE ITEMS
603 & 611	

APPROVED: Kirk G. McCall, DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT

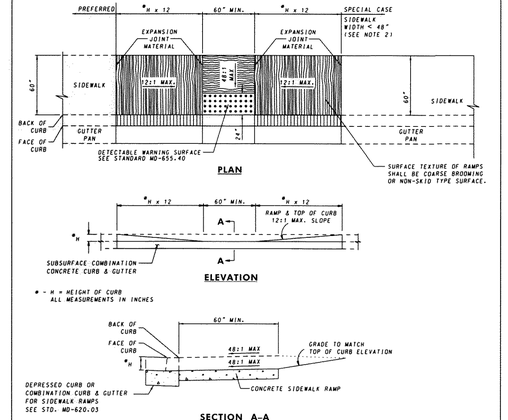
SHA State Highway Administration	APPROVAL + SHA REVISIONS	APPROVAL + FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 3-10-04	APPROVAL 3-31-04
	REVISED 3-25-08	REVISED 4-8-08
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

SIDEWALK RAMPS PERPENDICULAR

STANDARD NO. MD 655.11

NOTE: DETECTABLE WARNING SURFACE MUST BE SUBMITTED TO DPW FOR APPROVAL PRIOR TO INSTALLATION.



NOTES

1. TO BE USED WHERE SIDEWALK IS ADJACENT TO THE CURB. THIS STANDARD MAY BE MODIFIED TO SUIT A PARTICULAR LOCATION.
2. WHERE 60" SIDEWALK CAN NOT BE PROVIDED, A DESIGN WAIVER MUST BE REQUESTED.
3. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL, OR 48:1 PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
4. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH STD. MD-655.01.
5. SIDEWALK RAMP SHALL BE INCLUDED IN PRICE BID FOR CONCRETE SIDEWALK. DEPRESSED CURB AND CURB TRANSITION SHALL BE INCLUDED IN PRICE BID FOR CURB OR CURB & GUTTER ADJACENT TO SIDEWALK RAMP. DETECTABLE WARNING SURFACE SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 611 OF THE SPECIFICATIONS.
6. SIDEWALK RAMPS TO BE SHOWN ON PLANS SYMBOLICALLY AND REFERENCED WITH THE CENTER OF THE RAMP ALIGNED TO A STATION ON THE CONSTRUCTION CENTERLINE. SEPARATE DETAILS SHALL BE SHOWN WHERE PROPOSED RAMP VARIES FROM STANDARD CASES.

SPECIFICATION	CATEGORY CODE ITEMS
603 & 611	

APPROVED: Kirk G. McCall, DIRECTOR – OFFICE OF HIGHWAY DEVELOPMENT

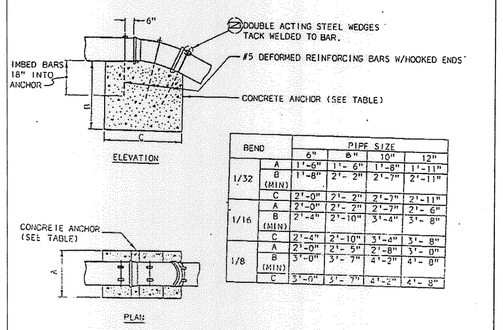
SHA State Highway Administration	APPROVAL + SHA REVISIONS	APPROVAL + FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 3-10-04	APPROVAL 3-31-04
	REVISED 3-25-08	REVISED 4-8-08
	REVISED	REVISED
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

SIDEWALK RAMPS PARALLEL

STANDARD NO. *MD 655.12*

NOTE: DETECTABLE WARNING SURFACE MUST BE SUBMITTED TO DPW FOR APPROVAL PRIOR TO INSTALLATION.



BEND		PIPE SIZE 6"	8"	10"	12"
1/32	A	1'-6"	1'- 6"	1'-8"	1'-11"
	B (MIN)	1'-8"	2'- 2"	2'-7"	2'-11"
	C	2'-0"	2'- 2"	2'-7"	2'-11"
1/16	A	2'-0"	2'- 2"	2'-7"	2'- 6"
	B (MIN)	2'-4"	2'-10"	3'-4"	3'- 8"
	C	2'-4"	2'-10"	3'-4"	3'- 8"
1/8	A	2'-0"	2'- 5"	2'-8"	3'- 0"
	B (MIN)	3'-0"	3'- 7"	4'-2"	4'- 8"
	C	3'-0"	3'- 7"	4'-2"	4'- 8"

NOTES:
1. ALL CONCRETE SHALL BE 3000 p.s.i. MIX NO.2.
2. APPLY TWO COATS OF WATERPROOF BITUMASTIC COMPOUND TO ALL EXPOSED BARS, PER AWWA C-205.
3. CARRY ALL CONCRETE TO UNDISTURBED EARTH.
4. DIMENSIONS SHOWN ARE MINIMUMS BASED ON SOIL BEARING PRESSURE OF 3000 p.s.f. AND STATIC WATER PRESSURE OF 150 p.s.i. WHERE SOIL BEARING PRESSURE IS LESS THAN 3000 p.s.f. OR WHERE WATER PRESSURE EXCEEDS 150 p.s.i., SPECIAL DESIGN IS REQUIRED.
5. PIPE RESTRAINT ASSEMBLIES WITHOUT THE USE OF ANCHORS MAY BE USED WITH APPROVAL OF THE ENGINEER.
6. FOR PIPE SIZES 16"-24" DIA., SEE G 2.0.

CITY OF ANNAPOLIS, MARYLAND
DEPARTMENT OF PUBLIC WORKS
APPROVED: DIRECTOR OF PUBLIC WORKS DATE
STANDARD WATER DETAILS
ANCHORAGES VERTICAL BENDS 6"-12"
JUL 21 1988
REVISIONS
W 1.0

NO.	DATE	REVISION	BY

McLaren ENGINEERING GROUP
applied ingenuity
McLaren Technical Services, Inc.
501 East Pratt Street, Suite 302 Baltimore, Maryland 21202
T. (410) 243-8787 F. (410) 243-4868 www.mglmclaren.com

PROJECT
ARIS T. ALLEN BOULEVARD
RESIDENTIAL PLANNED DEVELOPMENT
PART 1 - LOTS 26 - 31, 47 & 48
6TH ELECTION DISTRICT
CITY OF ANNAPOLIS, MARYLAND
TAX MAP/GRID: 51E/8

STATE OF MARYLAND
PIERO VAN MELLITE
No. 21875
REGISTERED PROFESSIONAL ENGINEER
PROFESSIONAL ENGINEER CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
License No.: 21875 Expiration Date: 2/12/16

SHEET TITLE
GRADING PERMIT NO.: GRD 14 - 0006
SITE DETAILS

PROJECT NO.	130003.01
SCALE	AS SHOWN
DATE	5/30/2014
DRAWN BY	JDS/CLW
CHECKED BY	PVM/TJC
DRAWING NO.	C16.10

40 OF 66 SHTS

FILE NAME: P:\Proj130\130003.01 Aris T. Allen Property\10_Dwgs\CADD\Working\C16.10 SITE DETAILS.dwg PLOT TIME: Mon, 02 Jun 2014 - 1:15pm LAST SAVE: Fri, 30 May 2014 - 3:38pm BY: JSlaby

THESE PLANS ARE BASED UPON PLANS TITLED 'ARIS ALLEN BOULEVARD, LLC MIXED RESIDENTIAL' CREATED BY BOWMAN CONSULTING, PORTIONS OF WHICH ARE USED HEREIN.

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