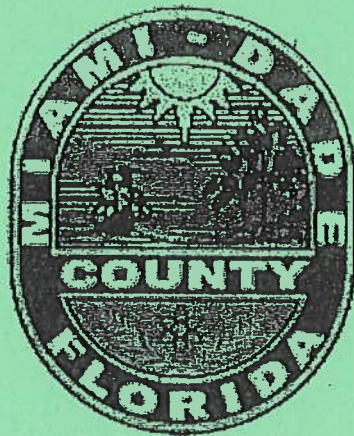


PUBLIC WORKS MANUAL

PART 1

STANDARD DETAILS



PUBLIC WORKS DEPARTMENT

PUBLIC WORKS MANUAL

PART

1

STANDARD DETAILS



PUBLIC WORKS DEPARTMENT
METROPOLITAN DADE COUNTY



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METROPOLITAN DADE COUNTY, FLORIDA



METRO-DADE CENTER

PUBLIC WORKS DEPARTMENT
SUITE 1610
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1970

375-2987

October 26, 1990

TO WHOM IT MAY CONCERN:

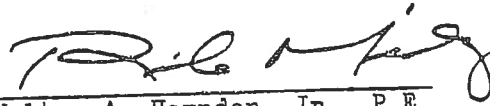
Re: Revised Standard Details of Part 1,
Public Works Manual

Attached are current revised Standard Details of Part 1 of the Public Works Manual. These replace the corresponding existing sheets in your manual as follows:

ROAD DETAILS

R 19.4 (Sheet 1)

R 19.4 (Sheet 2)

for/ 
Walter A. Herndon, Jr., P.E.
Director
Public Works Department

WAH:PW:nc

REVISIONS



METRO-DADE CENTER

PUBLIC WORKS DEPARTMENT
SUITE 1610
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1970

June 28, 1990

TO WHOM IT MAY CONCERN:

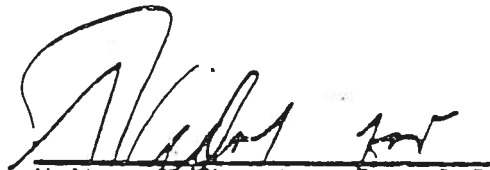
Re: Revised Standard Details of Part 1,
Public Works Manual

Attached are current revised Standard Details of Part 1 of the Public Works Manual. These replace the corresponding existing sheets in your manual as follows:

GENERAL DETAILS

G 2.1 (Sheet 2)
G 2.1 (Sheet 4)

The revisions as shown on G 2.1 (Sheet 2) "D", and G 2.1 (Sheet 4) "3A" shows the minimum vertical clearance of any overhead facility over all Streets and Avenues of Dade County to be 16'. This is based on Section 225.16 and Section 230.24 (b), NFPA 70, National Electrical Code, 1990 Edition.


Walter A. Herndon, Jr., P.E.
Director
Public Works Department

W:PW:nc



TO: Honorable Harvey Ruvin
Clerk of the Courts

DATE: June 10, 2003

FROM: Aristides Rivera, P.E., P.L.S.
Director
Public Works Department

SUBJECT: Revision to Standards of the
Public Works Manual

In accordance with Section 2-100 (d) of the County Code, I am hereby filing with you one (1) revised sheet of the Public Works Manual.

Attached for your records is sheet 1 pertaining to Plate No. R 1.1 which contains standards for 50' right-of-way - 2 lanes, swale.

Attachment

Cc:
Valerie Sandoval, Chief ✓
Personnel Division

Ovidio Rodriguez, P.E., Chief
Construction Division

Francisco Rodriguez, P.E.
Land Development Division

Raul Pino, P.L.S., Chief
Land Development Division

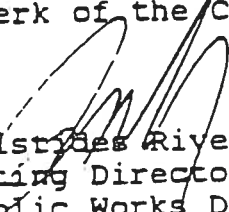
Robert Borgmann, Chief Inspector
Construction Division

MEMORANDUM

TO: Honorable Harvey Ruvin
Clerk of the Courts

DATE: March 29, 1999

SUBJECT: Revisions to Standards
of the Public Works
Manual

FROM:  Aristides Rivera, P.E., P.L.S.
Acting Director
Public Works Department

In accordance with Section 2-100 (d) of the County Code, I am hereby filing with you six (6) revised sheets of the Public Works Manual.

Attached for your records are sheets 3.1, 3.2A, 4.4, 4.5, 5.2A, 6.2 which contains standards for road details.

Attachment

cc: Valerie Sandoval, Chief ✓
Personnel Division

MEMORANDUM

Honorable Harvey Ruvin
Clerk of the Courts

DATE: February 23, 1999

SUBJECT: Revisions to Standards
of the Public Works
Manual

FROM: Aristides Rivera, P.E., P.L.S.
Acting Director
Public Works Department

In accordance with Section 2-100 (d) of the County Code, I am hereby filing with you two (2) revised sheets of the Public Works Manual.

Attached for your records are sheets 1 and 2 of 2, pertaining to Plate No. R 12.6, which contains standards for concrete driveways.

Attachment:

cc: Valerie Sandoval, Chief
Personnel Division

MEMORANDUM

Honorable Harvey Ruvin
Clerk of the Courts

DATE: February 23, 1999

SUBJECT: Revisions to Standards
of the Public Works
Manual

OM: Aristides Rivera, P.E., P.L.S.
Acting Director
Public Works Department

In accordance with Section 2-100 (d) of the County Code, I am hereby filing with you two (2) revised sheets of the Public Works Manual.

Attached for your records are sheets 1 and 2 of 2, of Plate No. SD 2.3, which pertains to grate standards for catch basins.

Attachment

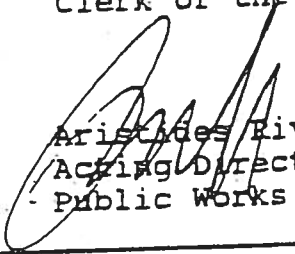
cc: Valerie Sandoval, Chief
Personnel Division

MEMORANDUM

TO: Honorable Harvey Ruvin
Clerk of the Courts

DATE: February 2, 1999

SUBJECT: Public Works Manual

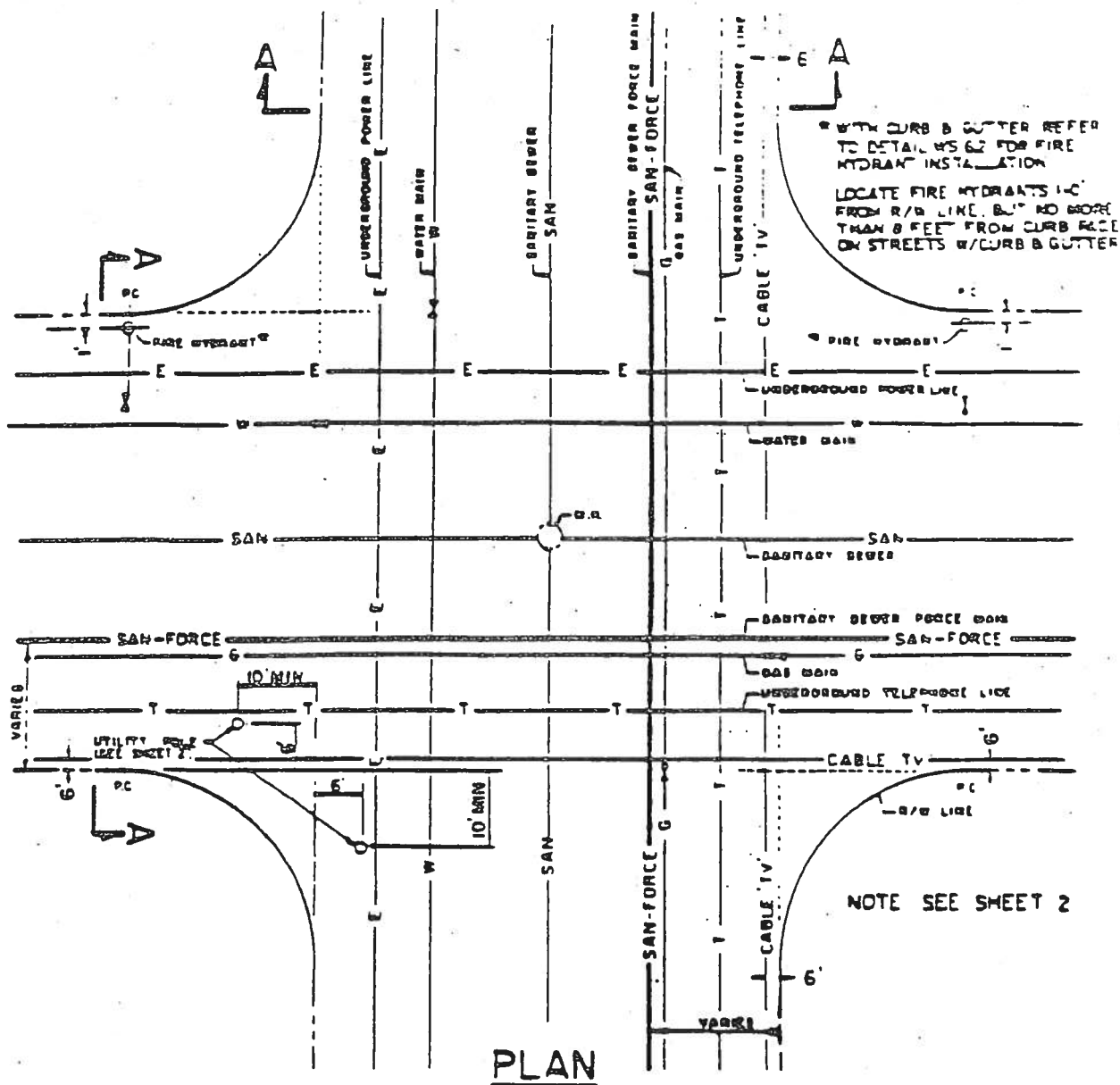
FROM:  Aristides Riviera, P.E., P.L.S.
Acting Director
Public Works Department

In accordance with Section 2-100(d) of the code we are hereby informing you that we have removed Standard Details SD 1.2 sheet 1 of 2 and SD 1.2 sheet 2 of 2 from the Public Works Manual.

Please modify your records accordingly.

AR/RCK/gl

RECEIVED
FEB 5 1999
PUBLIC WORKS DEPT.
DIRECTOR'S OFFICE



NOTES

1. ALL MAIN VALVES AT INTERSECTIONS SHALL BE LOCATED AT THE INTERSECTION OF THE MAIN WITH THE PROJECTION OF THE R/W LINE.
2. ALL SANITARY SEWER MANHOLES AT INTERSECTIONS SHALL BE LOCATED AT THE CENTERLINE OF THE INTERSECTING STREETS.
3. FIRE HYDRANTS AT INTERSECTIONS SHALL BE LOCATED OPPOSITE THE P.C. OF THE R/W LINE.
4. ALL UNDERGROUND UTILITIES SHALL BE PLACED PARALLEL OR PERPENDICULAR TO THE CENTERLINE OF RIGHT OF WAY.

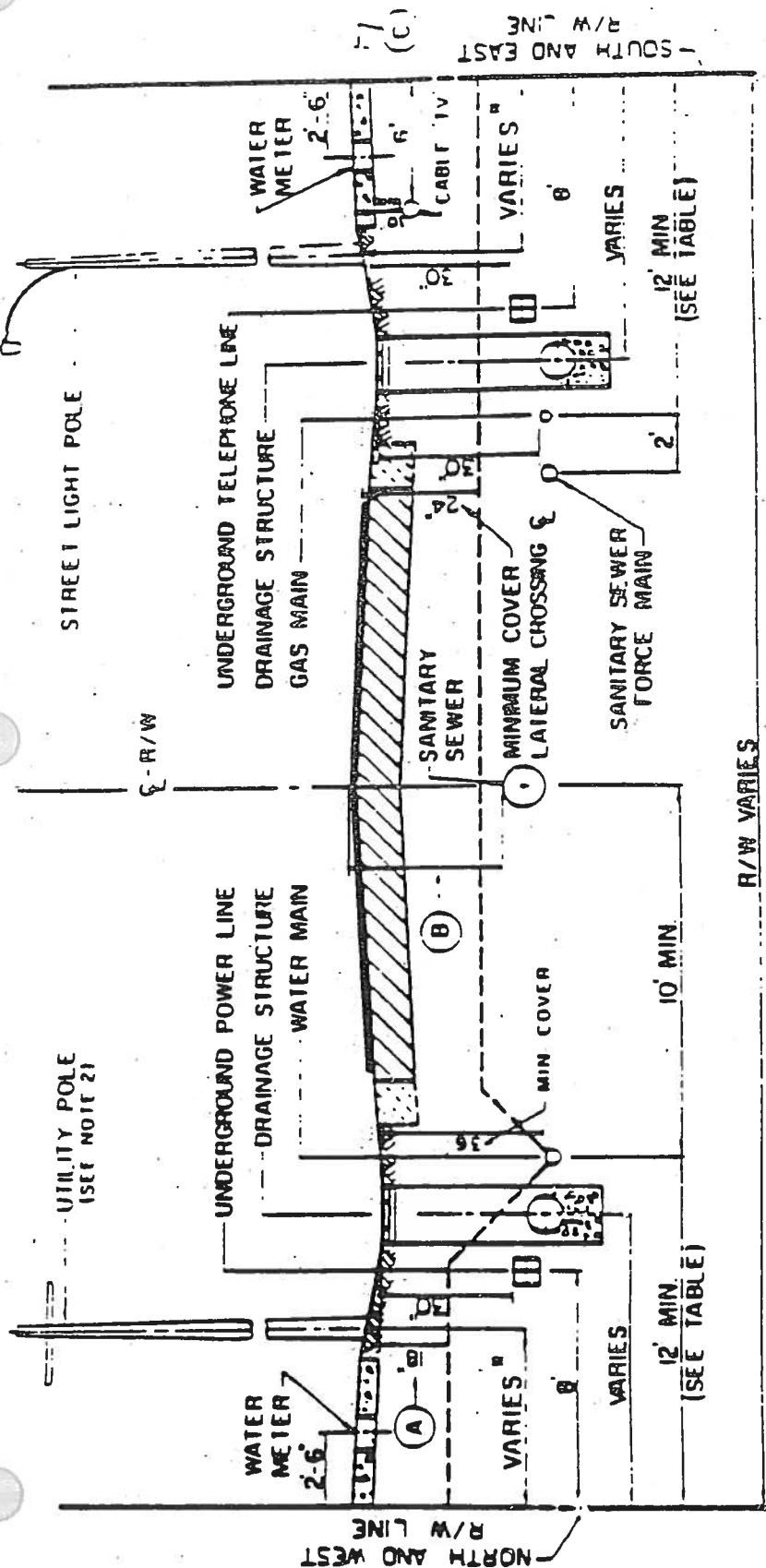
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/61

DESIGNED BY
6/4/66
7/7/66

GENERAL DETAIL
UTILITY PLACEMENT WITHIN
PUBLIC RIGHT-OF-WAY
FOR RESIDENTIAL STREETS

6
2.1



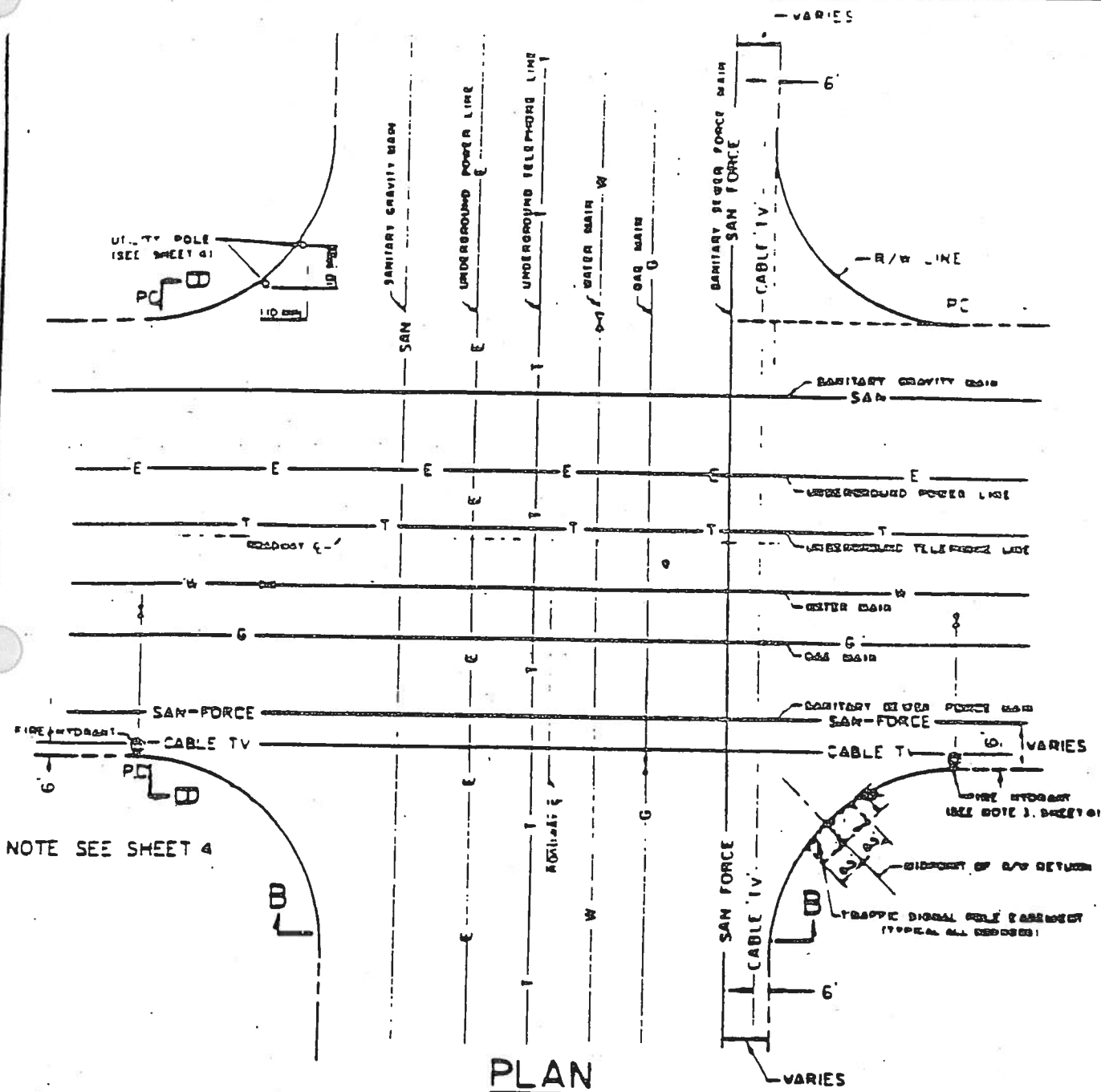
SECTION A-A

NOTES

- 1 ALL CONSTRUCTION OR ADJUSTMENT OF UNDERGROUND UTILITIES MUST BE COMPLETED BEFORE FINAL ASPHALTIC CONCRETE SURFACE MAY BE PLACED
- 2 ON STREETS WITH CURB & GUTTER PLACE UTILITY POLES AT THE R/W LINE AND FIRE HYDRANTS 10' FROM R/W LINE (SEE G 2.1, SHEETS 1, 3)
- 3 WHERE UTILITY CROSSES ARTIFICIAL, USE MINIMUM 36" COVER THROUGH ARTIFICIAL
- 4 (SEE SHEET 4, NOTE 6)

R/W Widths	Sewer and Water Main OFFSETS
50	12
60	15
70	17

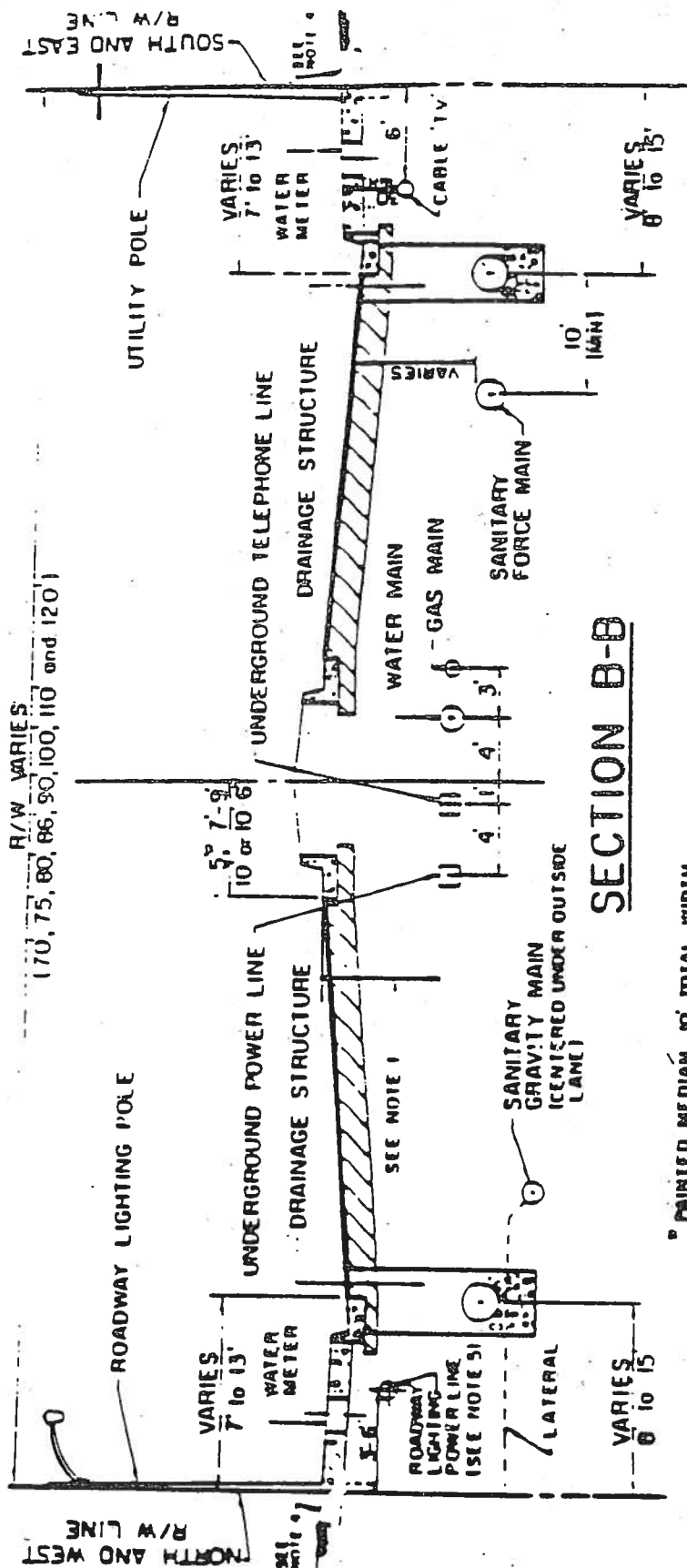
- (A) MINIMUM COVER FOR LATERAL NOT CROSSING CENTERLINE
- (B) MINIMUM COVER FOR SANITARY SEWER
 - 1) 24" FOR EXTRA STRENGTH VC PIPE
 - 2) 36" FOR SCHEDULE 80 CI PIPE
 - 3) 36" FOR OTHER PIPE
- (C) WATER METER SHALL BE PLACED AT OUTER EDGE OF SIDEWALK WHEN SIDEWALK ALREADY EXISTS, WHEN CONDITIONS PERMIT



PLAN

NOTES.

- 1 ALL MAIN VALVES AT INTERSECTIONS SHALL BE LOCATED AT THE INTERSECTION OF THE MAIN WITH THE PROJECTION OF THE R/W LINE.
- 2 FIRE HYDRANTS AT INTERSECTIONS SHALL BE LOCATED OPPOSITE THE PC OF THE R/W LINE.
- 3 ALL UNDERGROUND UTILITIES SHALL BE PLACED PARALLEL OR PERPENDICULAR TO THE CENTERLINE OF RIGHT-OF-WAY.
4. ACCESS MANHOLES SHALL NOT BE PLACED IN TRAFFIC LANES UNLESS SPECIAL APPROVAL IS OBTAINED. MEDIAN AND SIDEWALK AREAS SHALL BE USED.



SECTION 8-8-8

NOTES

- 1 PROVIDE MINIMUM 36" COVER ON ALL UTILITIES GREATER COVER MAY BE REQUIRED ON UTILITIES LARGER THAN 24" AT INTERSECTING ARTERIALS
- 2 NO UTILITY POLES TO BE PLACED ON ARTERIALS EXCEPT BY SPECIAL APPROVAL
- 3 PLACE FIRE HYDRANTS 1'-0" FROM BACK OF SIDEWALK (R/W LINE), EXCEPT IN AREAS W/ CURB & GUTTER, FIRE HYDRANTS SHALL NOT BE MORE THAN 8 FEET FROM FACE OF CURB
- 4 PLACE WATER METER AT OUTER EDGE OF SIDEWALK WHEN SIDEWALK ALREADY EXISTS, WHEN CONDITIONS PERMIT
- 5 ROADWAY LIGHTING POWER LINE COVER 12" TO 36," AS REQUIRED BY EXISTING CONDITIONS
- 6 PROVIDE NOT LESS THAN 48 HOURS NOTIFICATION TO ALL OWNERS OF ANY EXISTING UTILITY FACILITIES IN THE PROPOSED AREA OF WORK IN ADDITION THE PERMITTEE AND/OR HIS CONTRACTOR ALONG WITH THE OWNER OF THE UTILITY MUST COOPERATE TO DETERMINE THE EXACT LOCATION (FIELD EXPOSURE AS WARRANTED) OF THE RESPECTIVE UTILITY FACILITIES, BY WHATEVER MEANS AVAILABLE

HYDRANT INSTALLATION	WS 62	43B	43B
UTILITY PLACEMENT	621112A	650B3	345C
			SECT 00

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
5/3/61

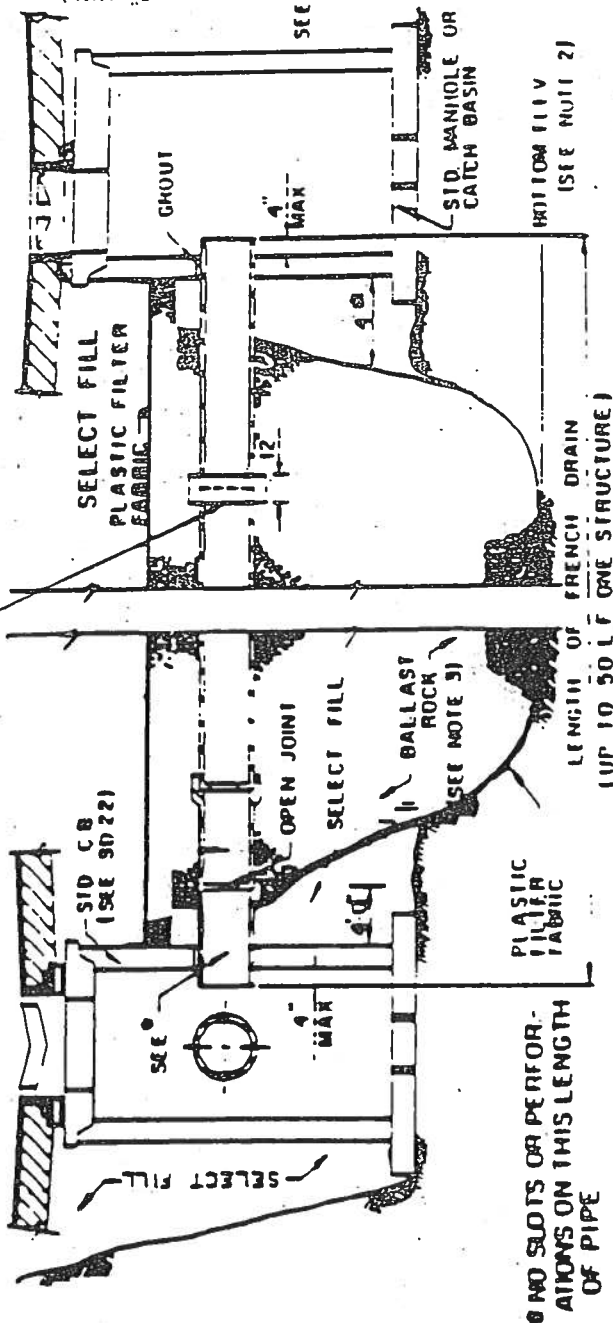
REVISED
5/21/81
6/4/86
7/7/88

STANDARD STORM DRAINAGE DETAIL

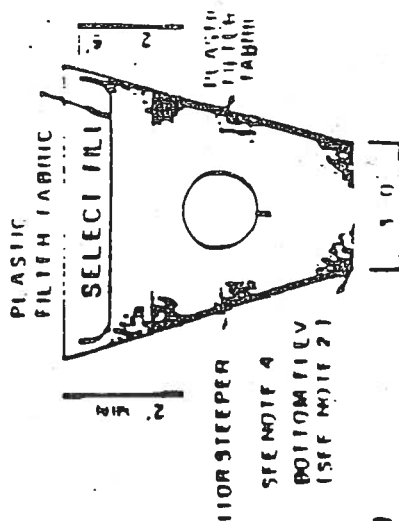
EXFILTRATION TRENCH

ST
1

FOR PERFORATED CMP, PIPE JOINTS
ARE TO BE RANGED, BUT NO GASKET



TRANSVERSE SECTION



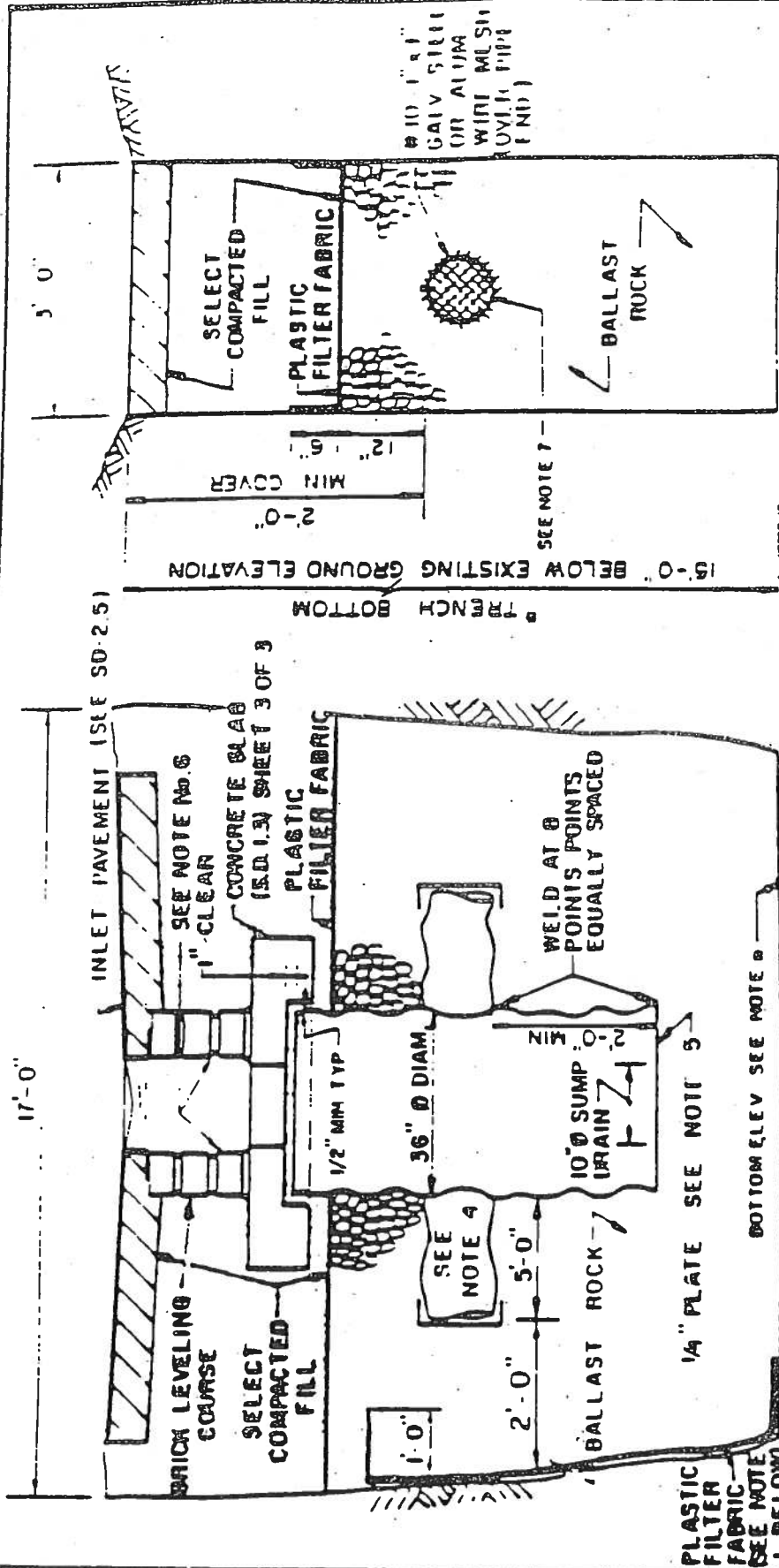
NOTES:

1. PLASTIC FILTER FABRIC (AT EA SIDE) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR IF IT DOES TAKE PLACE. ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION, SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.
4. INVERT ELEVATION TO BE AS SHOWN IN WC 2 (AVG OCTOBER GROUND WATER LEVEL).

NOTE: IF THIS DETAIL IS TO BE USED FOR PRETREATMENT OF STORMWATER RUN OFF, THE INVERT OF PIPE TO BE AS SHOWN IN WC 2.2; IF PRETREATMENT HAS BEEN PROVIDED THROUGH OTHER MEANS THE INVERT OF PIPE CAN BE LOWER THAN SHOWN IN WC 2.2.

DRAINAGE PIPE	SEC 320
EXFILTRATION TRENCH	SEC 360
DESIGN WATER TABLE	DESIGN
BALLAST ROCK	SEC 04
PIPE RESTORATION	SEC 360

ALL TRANS SECTION
MAY BE USED IN AREAS WHERE THE
WALLS WILL NOT STAY VERTICAL, OR
WHERE GAVE IN FLOW THE WATER
TABLE IS LIKELY TO OCCUR TO BE
USED AT THE TRENCH.



END SECTION

(OR ALTERNATE SECTION ON SHEET 11)

SIDE ELEVATION

NOTE 1: THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.

1. PLASTIC FILTER FABRIC EACH SIDE OVERLAPPED ON TOP SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. CATCH BASIN TO BE 36" HELICAL C.M.P. 12 GAGE GALVANIZED STEEL BITUMINOUS COATED BOTH SIDES 3" RI, OR 2" CORRUGATION, OR 36 HELICAL ALUMINUM C.M.P. WITH 1" OIOS AND 2" CORRUGATION.
3. CATCH BASIN TO BEAR ON NATURAL ROCK OR 2" MIN OF BALLAST ROCK.
4. 15" PERFORATED CORRUGATED METAL PIPE STUB 16 GAGE GALVANIZED STEEL BITUMINOUS COATED BOTH SIDE OR 15" C.M.P. STUB 1" 060 ALUMINUM PIPE.
5. PLATE TO BE GALVANIZED STEEL BITUMINOUS COATED BOTH SIDE OR 1" ALUMINUM PLATE.
6. BRICK MASONRY CONSTRUCTION TO BE PLASTERED WITH 1" MORTAR INSIDE AND OUTSIDE.
7. INVERT ELEVATION TO BE AS SHOWN IN WC 2.2 (AUG OCTOBER GROUND WATER INVERT ELEVATION WHEN 3" AG COVER) WHICH IS ALLOWED.

CATCH BASIN PAVT	SD 2.5	SEC 320
DRAINAGE PIPE		SEC 340
INFILT. TRENCH CONST	DES MAN	SEC 360
WATER TABLE		
BALLAST ROCK	SD 2.5	
FRAME AND GRATE		

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
1/30/81

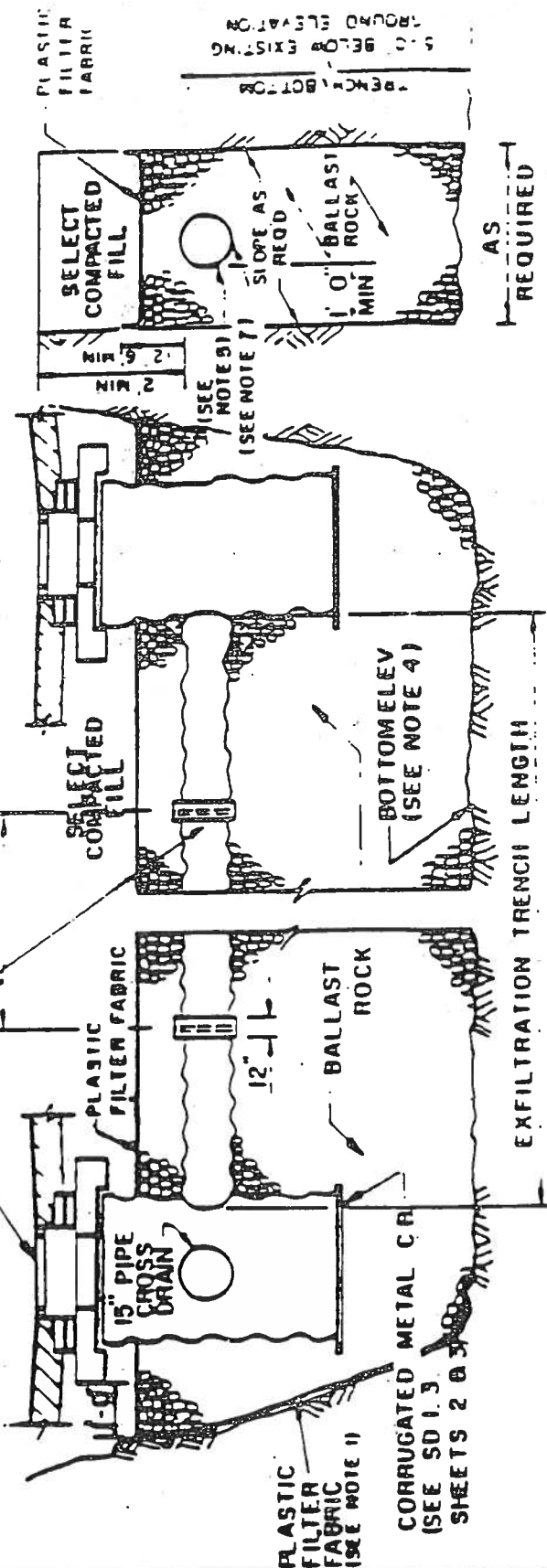
REVISED
6/4/86
1/1/88

STANDARD STORM DRAINAGE DETAIL
CORRUGATED ALUMINUM OR
STEEL CATCH BASIN,
DRAINFIELD AND STUB PIPES

ST
1/1/81

PERFORATED PIPE SECTIONS (SEE NOTE 3)
FOR OPEN JOINT 1 1/2" USE 12" WIDE
BANDS W/NO GASKET.

FRAME AND COVER
(S.D. - 2.3) - TYP.



LONGITUDINAL SECTION

TRANSVERSE SECTION

NOTES:

1. PLASTIC FILTER FABRIC, EACH SIDE, OVERLAPPED ON TOP, SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR HAS THE OPTION OF INSTALLING THE FOLLOWING PIPE TYPES:
A CORRUGATED STEEL - BITUMINOUS COATED BOTH SIDES (PERFORATED).
B CORRUGATED ALUMINUM (PERFORATED).

3. PERFORATIONS: ACCORDING TO AASTHO SPECIFICATIONS M 36-74 AND M 196-74
4. EXFILTRATION TRENCH BOTTOM ELEVATION SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE
5. PIPES FROM 15" UP TO 24" Ø DIAMETER CAN BE USED.
6. THE INSIDE AND OUTSIDE OF ALL BRICK WALLS SHALL BE PLASTERED WITH 1" CEMENT MORTAR 1" THICK
7. INVERT ELEVATION TO BE AS SHOWN IN W.C. 2 (AVG. OCTOBER GROUND WATER LEVEL)
8. WHEN SLAB COVERED TRENCH IS ALLOWED THEN INVERT OF PIPE CAN BE LOWER THAN GROUND LEVEL

DRAINAGE PIPE	SEC 960
EXFILTRATION TRENCH CONST	SEC 960
DESIGN WATER TABLE	DES. MAN.
BALLAST ROCK	SEC 960
PAV. RESTORATION	R-211

ST

1.

1.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

1/30/81

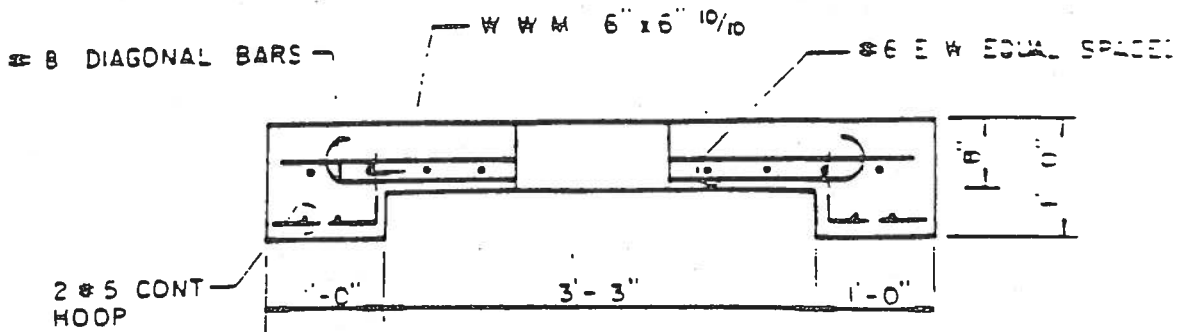
REV. 800

6/4/8E

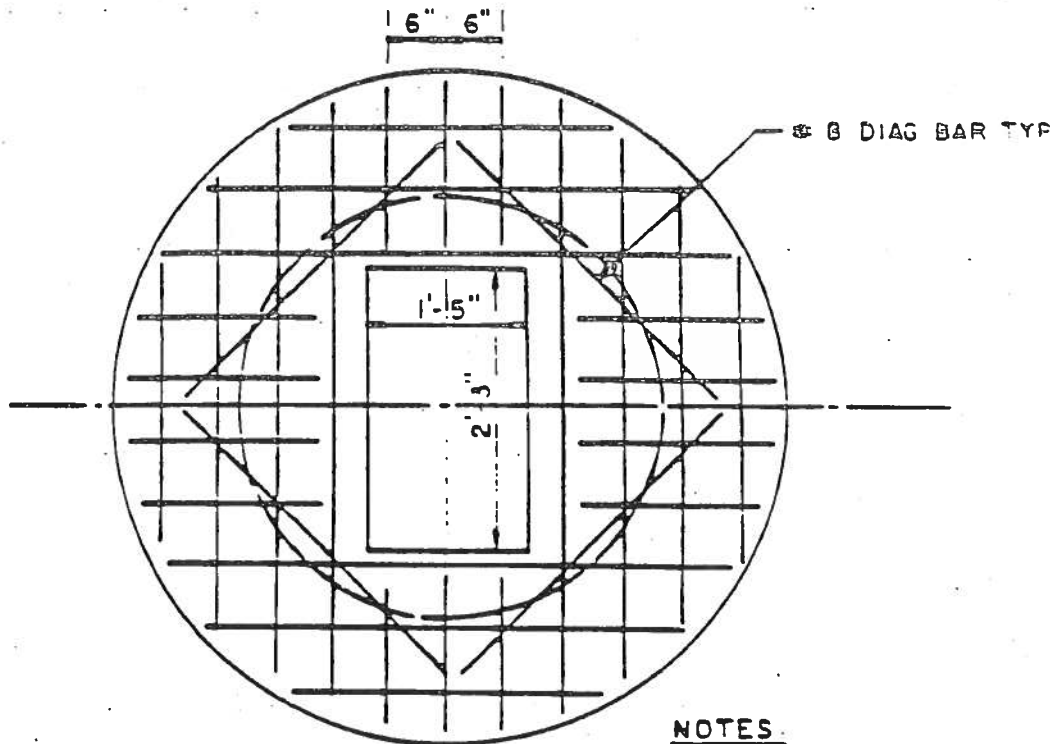
7/1/88

STANDARD STORM DRAINAGE DETAIL

EXFILTRATION TRENCH
FOR METAL CATCH BASIN



SECTION



PLAN

NOTES

1. CONCRETE $f_c = 3,400$ P.S.I.
2. STEEL: ASTM A-615 GRADE 60
3. MIN. COVER $1\frac{1}{2}"$
4. LAP FOR #5 HOOP SHALL BE 12" MINIMUM.
5. CONCRETE SLAB TO BEAR ON COMPACTED SOIL.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

1/30/81

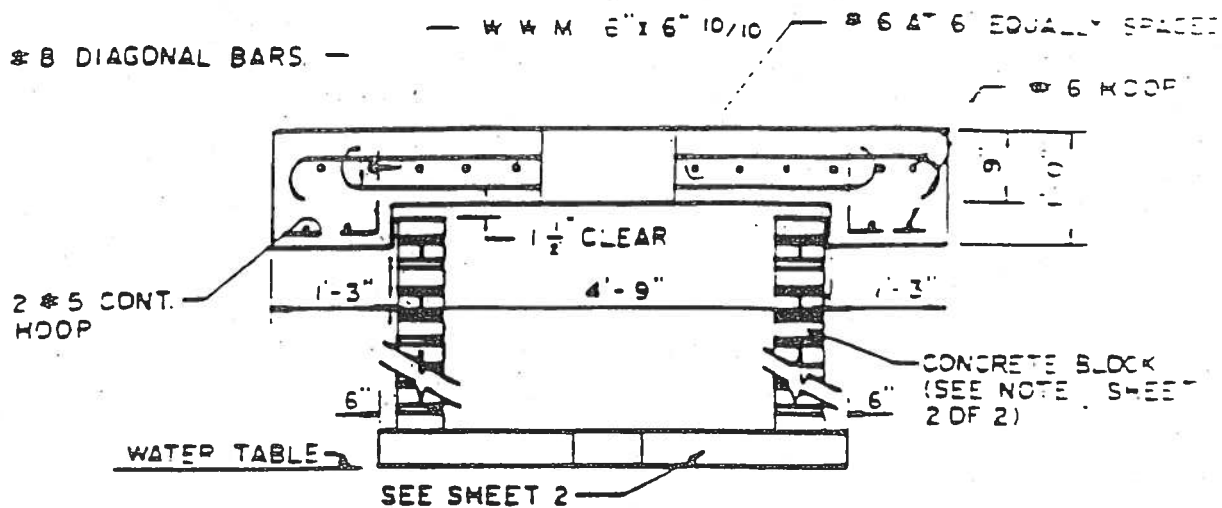
REVISED

7/7/88

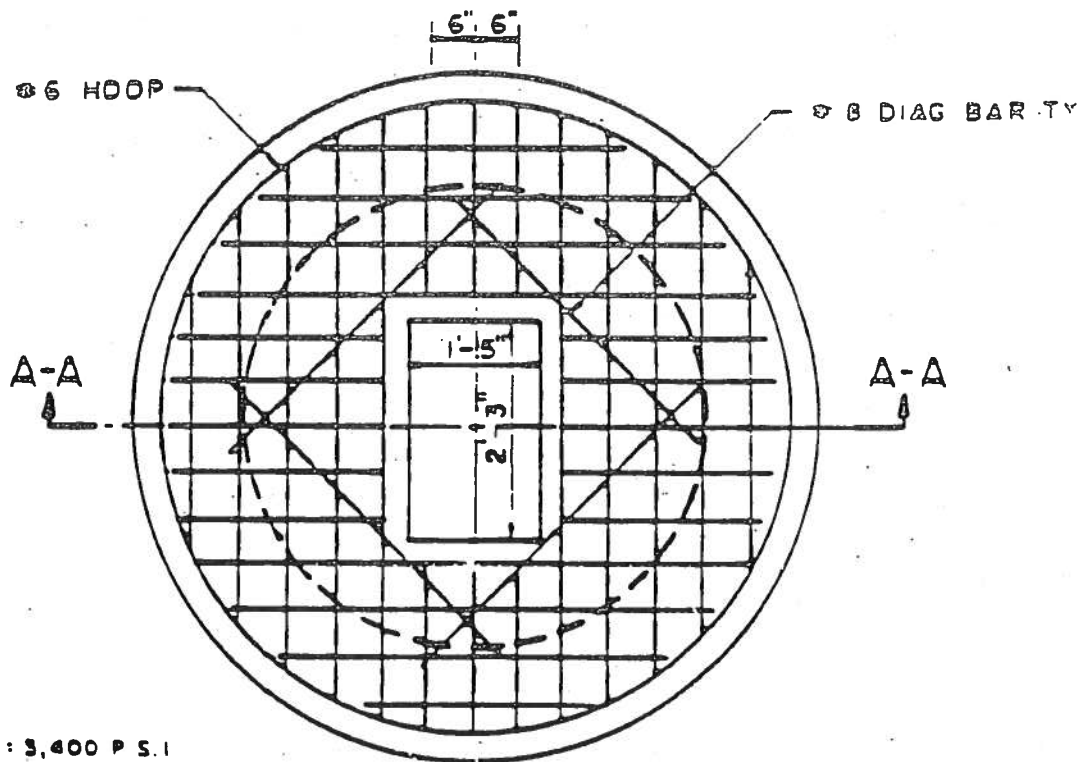
STANDARD STORM DRAINAGE DETAIL
PRECAST CONCRETE SLAB
FOR METAL CATCH BASIN

SD
1.3

SHEET 2 OF 2



SECTION A-A



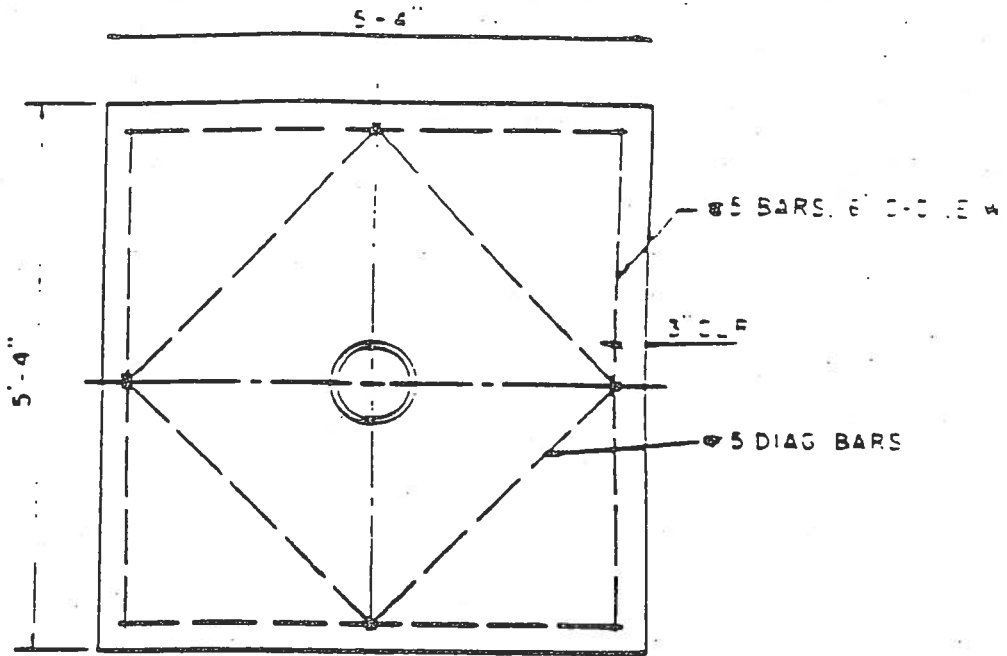
PLAN

NOTES

- 1 CONCRETE f_c : 3,400 P.S.I
- 2 STEEL : ASTM A-615 GRADE 60
- 3 MIN. COVER 1 1/2"
- 4 LAP FOR #6 HOOP SHALL BE 18" MINIMUM
- 5 CONCRETE SLAB TO BEAR ON COMPACTED SOIL

ITEM	CROSS REF.	SPEC REF.

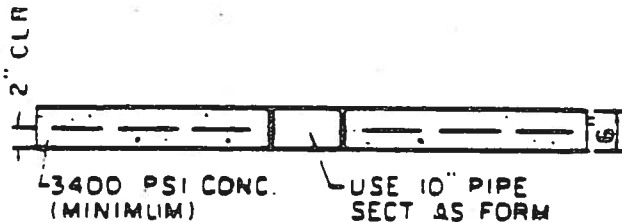
METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED	REVISED	STANDARD STORM DRAINAGE DETAIL CONCRETE BLOCK WALL CATCH BASIN STRUCTURE (USE ON PRIVATE PROPERTY ONLY)	SD 1-4 SHEET 1 OF 1
	7/7/88			



PLAN

NOTES:

1. CONCRETE BLOCK SHOULD MEET STANDARD SPECIFICATION ASTM C-139 (FOR SEGMENTAL UNITS) FOR CONSTRUCTION OF CATCH BASINS AND MANHOLES.
2. WHEN CONCRETE BRICKS ARE USED, THEY SHOULD BE PLASTERED OUTSIDE AND INSIDE WITH TYPE 'S' MORTAR. (REFER TO ASTM C-139.)
3. CONSTRUCT ALL MASONRY WALLS IN HORIZONTAL COURSES, WITH STAGGERED VERTICAL JOINTS. FILL ALL JOINTS COMPLETELY WITH TYPE 'M' MORTAR.
4. BACKFILL MATERIAL & PLACEMENT TO FOLLOW SD 1.3.

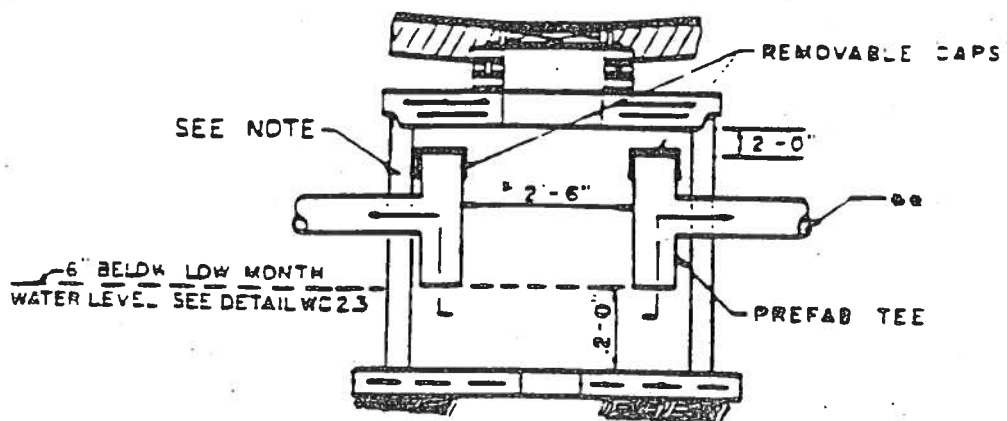


SECTION

BOTTOM SLAB
DETAILS

ITEM	CROSS REV	SPEC. REV

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED 7/7/88	REVISED _____ _____ _____	STANDARD STORM DRAINAGE DETAIL CONCRETE BOTTOM SLAB (FOR CONCRETE BLOCK WALL CATCH BASIN STRUCTURE)	SD 1-4 SHEET 2 OF 2

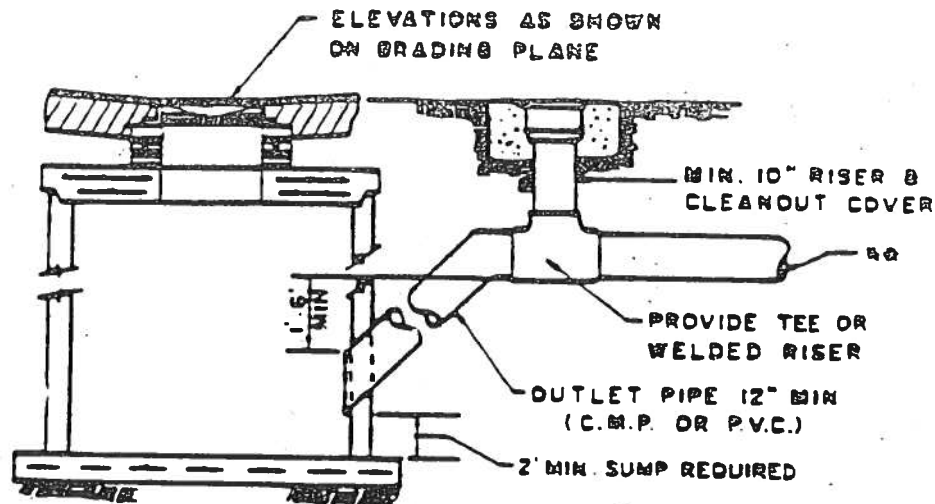


NOTE

1 MINIMUM SIZE CATCH BASIN
PER STD DETAIL SD 22 OR LARGER

2 REINFORCEMENT PER APPLICABLE
STD SD DETAIL-P.W. MANUAL PART I

3 TWO (2) TEES AS SHOWN
IF EXFILTRATION TRENCH AT
BOTH SIDES OF STRUCTURE



4A SET PIPE INVERT TO OCT WATER LEVEL
SEE DETAIL WC 22-SECTION D4, WATER CONTROL

INLET CURB		DEC 800
CATCH BASIN CURB	80-2-2	DEC 800
CATCH BASIN P.O. & CR	80-2-3	
ITEM	CHDS OFF.	DPEC OFF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

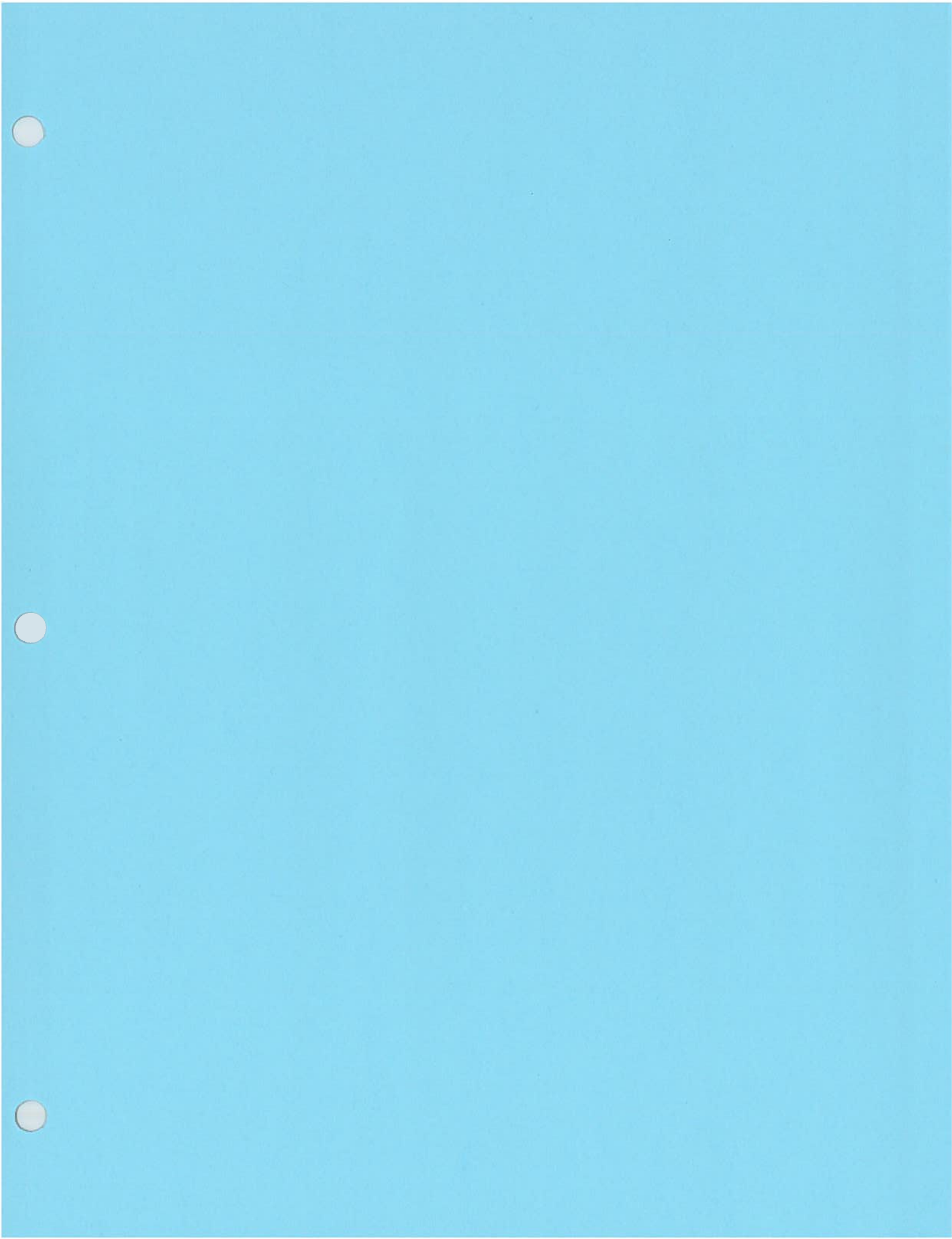
APPROVED
7/7/88

DE 1000

STANDARD STORM DRAINAGE DETAIL
CATCH BASIN
WITH
GREASE & OIL SEPARATOR

SD
29

DEPT 100

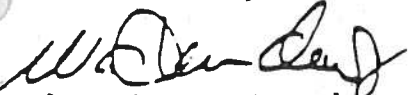


MEMORANDUM

Mr. Raymond Reed
Deputy Clerk
Board of County Commissioners

DATE February 4, 1967

SUBJECT Rules & Regulations of the
Public Works Department


Walter A. Herndon, Jr., P.E.
Director
Public Works Department

In compliance with Section 2.3 Administration of the Metropolitan Dade County Code, please file the following items:

ADOPTION of the Miami-Dade Water & Sewer Authority Department's Standard Details Manual as Part 3 of the Dade County Public Works Manual.

DELETIONS from the Dade County Public Works Manual, Part 1, Standard Details:

Standard Water Supply Details:

WS 1.1 through WS 6.2 (8 Details)

Standard Sanitary Sewer Details:

SS 1.1 through SS 10.1 (21 Details)

Above-noted adoption and deletions were approved as per Resolution No. R-135-67 by the Board of County Commissioners on February 3, 1967.

FILED UNDER

CODE # 13173

Page 5735

THRU
Page 6663

WALTER REED

Enclosure

FOREWORD

The Code of Metropolitan Dade County authorized the Public Works Department to prepare the Public Works Manual.

The Public Works Manual, also referred to as the "MANUAL," sets forth minimum requirements governing public and private construction work which is under the jurisdiction and control of the Public Works Department. The following drawings constitute a portion of the Manual entitled "Standard Details". These details establish requirements for various types of construction which are to be construed as minimum and may be exceeded.

As these details are revised and new drawings added, the appropriate index sheets will also be revised and made available.

SEVENTH PRINTING

JUNE 1987

REVISED JANUARY, 1991

FIRST PRINTING	July 1961
SECOND PRINTING	August 1962
THIRD PRINTING	August 1962
FOURTH PRINTING	October 1972
FIFTH PRINTING	October 1974
SIXTH PRINTING	May 1987

TABLE OF CONTENTS

STANDARD ROAD DETAILS

		Approved	Last Revision
- 1.1	50' R/W — 2 Lanes, Swale	6/5/61	6/4/86
R- 1.2 (sheet: 1)	50' R/W — 2 Lanes, Curb and Gutter	6/5/61	8/5/83
R- 1.2 (sheet: 2)	50' R/W — 2 Lanes, Curb and Gutter	4/19/74	8/5/83
R- 2.1	60' R/W — 2 Lanes, Swale	6/5/61	6/4/86
R- 2.2	60' R/W — 2 Lanes, Curb and Gutter (Local Street)	6/5/61	8/5/83
R- 2.3	60' R/W — 3 Lanes, Curb and Gutter (Collector St.)	5/17/72	6/4/86
R- 2.4	60' R/W — 2 Lanes, Industrial	6/5/61	3/5/83
R- 3.1	70' R/W — 2 Lanes, Swale	6/5/61	3/5/83
R- 3.2	70' R/W — 4 Lanes, Curb and Gutter (with Striped Median)	6/5/61	3/10/81
R- 3.3	70' R/W — 2 Lanes, Industrial (Without Parking)	8/28/74	3/10/81
R- 3.4	70' R/W — 3 Lanes, Industrial	9/9/83	—
R- 4.4	80' R/W — 4 Lanes Divided, Curb and Gutter	6/5/61	10/12/83
R- 4.5	86' R/W — 4 Lanes Divided, Curb and Gutter	5/17/72	10/12/83
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R- 6.2	110' R/W — 6 Lanes, Divided, Curb and Gutter	6/5/61	10/12/83
R- 8.1 (sheet: 1)	Requirements for 25', 30' and 35' 1/2 Rights-of-Way	6/5/61	6/4/86
R- 8.1 (sheet: 2)	Requirements for 40', 43', 50' and 55' 1/2 Rights-of-Way	5/17/72	10/12/83
R- 9.1	Access Road Adjacent to an Arterial Road	6/1/62	6/4/86
R- 9.2	Access Road Adjacent to Canal or Other Water Areas	6/1/62	6/4/86
R-10.1 (2 sheets)	Sample Plateau Intersection	5/17/72	—
R-11.1 (sheet: 1)	Cul-De-Sac, Swale Residential	6/5/61	7/27/83
R-11.1 (sheet: 2 & 3)	Cul-De-Sac, Swale Commercial & Industrial	5/17/72	7/27/83
R-11.2 (sheet: 1)	Cul-De-Sac, Curb and Gutter Residential	6/5/61	7/20/83
R-11.2 (sheet: 2 & 3)	Cul-De-Sac, Curb and Gutter Commercial & Industrial	5/17/72	7/27/83
R-11.3	T-Turnaround — 50' R/W Residential	6/5/61	8/5/83
R-11.4 (sheet: 1)	T-Turnaround — 60' R/W Residential	6/5/61	8/5/83
R-11.4 (sheet: 2)	T-Turnaround — 70' R/W Commercial & Industrial	6/5/61	8/5/83
R-12.1	Residential Driveway Spacing	6/5/61	6/4/86
R-12.2	Commercial and Industrial Driveway Spacing	6/6/61	6/4/86
R-12.3	Asphalt Driveway Residential	6/5/61	6/4/86
R-12.5	Asphalt Driveway Commercial	6/5/61	6/4/86
R-12.6 (2 sheets)	Concrete Driveway	6/5/61	9/22/86

STANDARD ROAD DETAILS (Cont'd.)

		Approved	Last Revision
—12.7	Driveway Detail for Large Shopping Center	8/9/72	6/4/86
R-13.1	Sidewalk Construction	6/5/61	6/4/86
R-13.2	Standard Sidewalk Transition	6/5/61	3/15/77
R-13.3	Pedestrian Ramps in Public Rights-of-Way	9/5/72	6/4/86
R-14.1	Curb and Gutter Sections	6/5/61	6/4/86
R-14.2	Curb Sections	6/5/61	4/2/82
R-14.3	Valley Curb	5/5/61	3/10/81
R-14.4	Curb Endings	6/5/61	3/10/81
R-14.5	Access Road Curb Separators	6/5/61	6/1/62
R-14.6 (2 sheets)	Concrete Valley Gutter (for 2 and 4 Lane Pavements)	7/30/62	3/10/81
R-15.1	Street Intersection Swale	6/5/61	—
R-15.2	Street Intersection Curb and Gutter	6/5/61	6/4/86
R-15.3 (sheet 1)	Residential Pavement Transition — Divided to Undivided	6/5/61	6/23/77
R-15.3 (sheet 2)	Arterial Pavement Transition — Divided to Undivided	5/17/72	—
—15.4	Radius Return for Industrial Areas	5/17/72	3/10/81
—15.5	Median Opening on Divided Roadways	8/21/72	3/10/81
R-16.1	FEC RR Crossing Major & Minor Streets	6/5/61	6/23/77
R-16.2	SCL RR Crossing Major & Minor Streets	6/5/61	6/23/77
R-17.1 (sheet 1)	Superelevation: General Notes	8/9/72	6/4/86
R-17.1 (sheet 2)	Superelevation: 2 Lanes, Swale Section	6/5/61	6/4/86
R-17.1 (sheet 3)	Superelevation: Multi-Lane Divided, Swale Section	6/5/61	6/4/86
R-17.1 (sheet 4)	Superelevation: Curb and Gutter Section	7/11/72	6/4/86
R-17.2	Superelevation: Transition for Reverse Curves	8/9/72	6/4/86
R-18.1 (sheet 1)	Street Sign Post Assembly	6/4/86	—
R-18.1 (sheet 2)	Street Sign Post Typical Installation	6/4/86	—
R-18.1 (sheet 3)	Street/Stop Sign (Assembly & Fabrication)	6/4/86	—
R-18.1 (sheet 4)	Sign Message Details	6/4/86	—
R-18.2	Street/Stop Sign Location	6/4/86	7/7/88
R-19.1	Typical Traffic Control Signs	8/8/62	9/5/78
R-19.2 (sheet 1)	Typical Traffic Control (Utility Repair)	8/8/62	10/22/76
R-19.2 (sheets 2, 3)	Typical Traffic Control (Detour) (Road Closed Beyond Detour Point)	8/8/62	6/10/74

STANDARD ROAD DETAILS (Cont'd.)

		Approved	Last Revision
R-19.4 (sheets 1, 2)	Typical Traffic Control (2 Lane Divided Roadway, Minor and Major Construction)	8/8/62	10/25/90
R-19.5 (sheet 1)	Typical Traffic Control (4 Lane Divided Roadway, 1 Roadway Closed)	8/8/62	7/7/88
R-19.5 (sheet 2)	Typical Traffic Control (4 Lane Undivided Roadway, 2 Lanes Closed)	8/8/62	7/7/88
R-19.5 (sheet 3)	Typical Traffic Control (4 Lane Divided Roadway, 1 Lane Closed)	8/8/62	7/7/88
R-19.5 (sheet 4)	Typical Traffic Control (4 Lane Undivided Roadway, 1 Lane Closed)	8/3/66	7/7/88
R-19.5 (sheet 5)	Typical Traffic Control (Multi-Lane Roadway, Multiple Lanes Closed)	6/10/74	7/7/88
R-19.6 (sheet 1)	Typical Traffic Control Barricades	8/3/66	6/4/86
R-19.6 (sheet 2)	Typical Traffic Control Barricades	6/10/74	6/4/86
R-19.7	Approach Sign for Private Culvert Crossing	8/3/66	—
R-20.1	Guardrail Post Details	6/5/61	6/29/76
R-20.2	Metal Guardrail (Standard Beam Type)	6/5/61	4/6/83
R-20.3 (2 sheets)	Metal Guardrail end Anchorages	6/5/61	6/23/77
R-20.4	Guardrail Installation at T-Intersection Adjacent to Canal or Ditch	6/5/61	6/23/77
R-20.5	Guardrail Installations for Roadway Hazards	6/5/61	3/17/72
R-20.6 (sheet 1)	Roadway Shoulder Requirements Along Canal and Pond Frontage	6/1/62	3/10/81
R-20.6 (sheet 2)	Roadway Shoulder Requirements Along Lake Frontage	3/17/72	—
R-20.7	Guardrail Requirements on Fill	6/1/62	6/23/77
R-21.1	Pavement Restoration for Trenches Cut in Public Rights-of-Way	6/5/61	6/4/86
R-22.1	Pavement Endings	6/5/61	6/23/77
R-24.1	Pavement Widening on 2 Lane Residential Street	7/30/62	—

STANDARD BRIDGE AND CULVERT DETAILS

C-1.2	Culvert Crossing — Type B	6/5/61	8/13/83
C-2.1	Bridge Cross-Section and Loading Requirements for 50' & 60' Right-of-Way	6/5/61	10/12/83

STANDARD BRIDGE AND CULVERT DETAILS (Cont'd)

		Approved	Last Revised
BC-2.2 (sheets 1,2)	Bridge Cross-Section and Loading Requirements for 70' Right-of-Way	5/17/72	10/12/83
BC-2.3	Bridge Cross-Section and Loading Requirements for 80' & 86' Right-of-Way	5/17/72	10/12/83
BC-2.4	Bridge Cross-Section and Loading Requirements for 100' & 110' Right-of-Way	5/17/72	10/12/83
BC-2.5	Bridge Cross-Section and Loading Requirements for Private Crossings	6/5/61	10/12/83
BC-2.6 (sheet 1)	Concrete Parapet Wall	6/24/77	—
BC-2.6 (sheet 2 & 3)	Concrete Parapet Wall	6/24/77	—
BC-3.1	Straight Concrete Headwall	6/1/62	6/24/77
BC-3.2	Concrete Headwall with 45' Wings	6/1/62	6/24/77
BC-3.3	Concrete Headwall 'U' Type	6/1/62	6/24/77
BC-3.4	Straight Sand-Cement Rip Rap Headwall	6/1/62	6/24/77
BC-3.5	Sand-Cement Rip Rap Headwall	6/1/62	6/24/77

GENERAL DETAILS

G-1.1	Datum Place Relationships	6/5/61	6/20/77
G-1.2	Permanent Reference Monument	6/5/61	—
G-2.1 (sheets 1,2)	Utility Placement within a Public Right-of-Way for Residential Streets	6/5/61	6/20/92
G-2.1 (sheets 3,4)	Utility Placement within a Public Right-of-Way for Arterial Streets	5/17/72	6/20/92
G-2.2	Utility Placement within Real Lot Easement	6/5/61	6/24/81
G-2.3	Utility Placement at Road (or Proposed Road) Crossing of Canal	6/1/62	4/6/81
G-3.1	Standard Symbols (Road)	6/5/61	4/6/81
G-3.2	Standard Symbols (Utility)	6/5/61	4/6/81
G-3.3	Standard Symbols (Miscellaneous)	6/5/61	4/6/81
G-3.4	Standard Symbols (Surveyors, Natural Features, Architectural and Structural)	6/5/61	6/1/82
G-3.5	Standard Symbols (Abbreviations)	6/5/61	6/1/82
G-3.6	Underground Utilities (Color Code)	3/3/78	—
G-4.1	Location of Mailboxes within Public Right-of-Way	6/1/62	—
G-5.1	Location of Planting within Public Right-of-Way	6/11/64	5/1/85

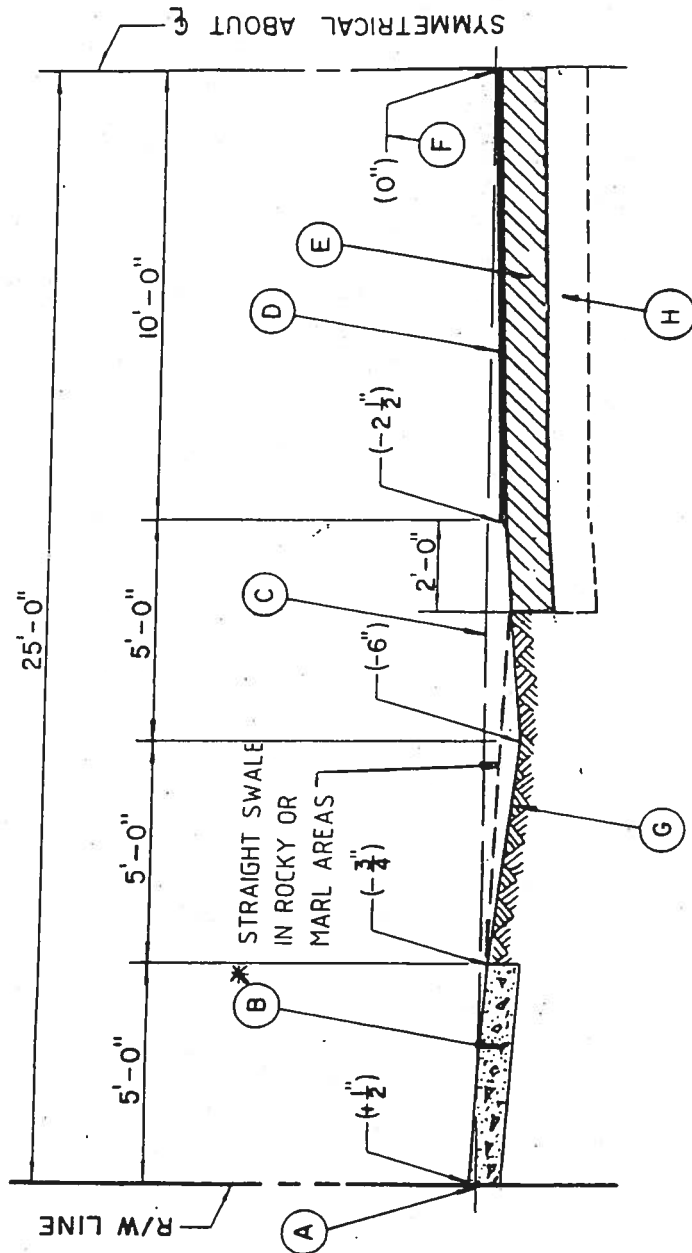
GENERAL DETAILS (Cont'd.)

		Approved	Last Revision
G-5.2	Fences within Canal Maintenance Easements		
G-5.3 (sheet 1)	Sight Restrictions for Access to Collector Roads	4/9/68	6/24/77
G-5.3 (sheet 2)	Sight Restrictions for Access to Arterial Roads	5/17/72	6/4/86
G-6.1	Location of Residential Roadway Markers (within Public R/W)	5/17/72	6/4/86
G-7.1	Township, Range and Section Location in Dade County	5/17/72	7/24/74
G-7.2	Flood Criteria Map	3/10/81	—
G-7.3	Base Map of Dade County	3/10/81	—
		3/10/81	—

STANDARD STORM DRAINAGE DETAILS

SD-1.1 (sheet 1)	Exfiltration Trench	5/5/61	3/12/90
SD-1.1 (sheet 2)	Exfiltration Trench (Pipe Culvert Notes)	1/30/81	6/4/86
SD-1.1 (sheet 3)	French Drain Detail (For Metal Catch Basin)	5/21/81	3/12/90
SD-1.2 (2 sheets)	Slab Covered Trench	5/17/72	6/4/86
SD-1.3 (sheet 1)	Catch Basin, Drainfield, & Stub Pipes	5/17/72	3/12/90
SD-1.3 (sheet 2)	Corrugated Aluminum or Steel Catch Basin, Drainfield & Stub Pipes	1/30/81	3/12/90
SD-1.3 (sheet 3)	Precast Concrete Slab (For Metal Catch Basin)	1/30/81	7/7/88
SD-2.1	Catch Basin	6/26/61	6/4/86
SD-2.2	Precast Catch Basin	6/26/61	6/4/86
SD-2.3 (2 sheets)	Catch Basin Frame and Grate	6/26/61	3/7/81
SD-2.4	Catch Basin Location in Commercial and Residential Driveways	6/26/61	6/4/86
SD-2.5 (sheet 1)	Catch Basin Pavement (Other Than Driveway Locations)	6/26/61	6/4/86
SD-2.5 (sheet 2)	Typical Inlet Pavement at Intersections	5/17/72	3/7/81
SD-2.6 (sheets 1, 2)	Inlet, Manhole & Junction Box (Type J)	5/17/72	3/6/81
SD-2.6 (sheet 3)	Inlet, Manhole & Junction Box (Type P)	5/17/72	6/4/86
SD-2.6 (sheet 4)	Inlet, Manhole & Junction Box (Type P & J)	5/17/72	6/4/86
SD-2.7	Swale Inlet (Type J0)	5/17/72	6/4/86
SD-2.8 (2 sheets)	Driveway Curb Inlet (Type P-11)	5/17/72	6/4/86
SD-3.1 (2 sheets)	Swale Inlet & Modified Curb Inlet	6/26/61	6/4/86
SD-3.2 (2 sheets)	Curb Inlet (For 50' & 60' R/W)	6/1/72	5/17/72
SD-3.3	Curb Inlet Frame and Cover	6/26/61	—
SD-3.4 (sheet 1)	Curb Inlet Throat (Types 5 & 6)	5/17/72	—
SD-3.4 (sheet 2)	Frame and Grate (Using Type 'Q' Gratin)	5/17/72	—
SD-3.5	Inlet Spacing for Positive Drainage Systems	5/17/72	6/4/86
SD-3.6	Junction Box, Manhole Top & Precast Concrete Riser Details	5/17/72	6/4/86
SD-4 (2 sheets)	Storm Sewer Manhole Frame and Cover	6/26/61	7/21/77
SD-5	Leveling Course	6/1/62	—
SD-6	Manhole Step	6/1/62	6/4/86

ROAD DETAILS



- (A) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (B) CONCRETE SIDEWALK WHERE REQUIRED
- (C) LEVEL LINE
- (D) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (E) BASE COURSE, PRIMED ENTIRE WIDTH
- (F) OFFSET FROM LEVEL LINE
- (G) SWALE (SOLID SOD), SEE R14.6 FOR SPECIAL DRAINAGE CONDITION
- (H) STABILIZED SUBGRADE

NOTE *PRIVATE DRIVEWAY APPROACHES TO ALWAYS BE A STRAIGHT SLOPE.

WATER CONTROL	SEC. D 4
STABILIZING	SEC. 33
CONCRETE SIDEWALK	R-13.1
ASPHALTIC CONCRETE	SEC. 133
BASE COURSE	SEC. 51
ITEM	CROSS REF.
	SPEC. REF.

REVISED 6/2/03

STANDARD ROAD DETAIL 50' R/W - 2 LANES SWALE

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

6/5/61

REVISED

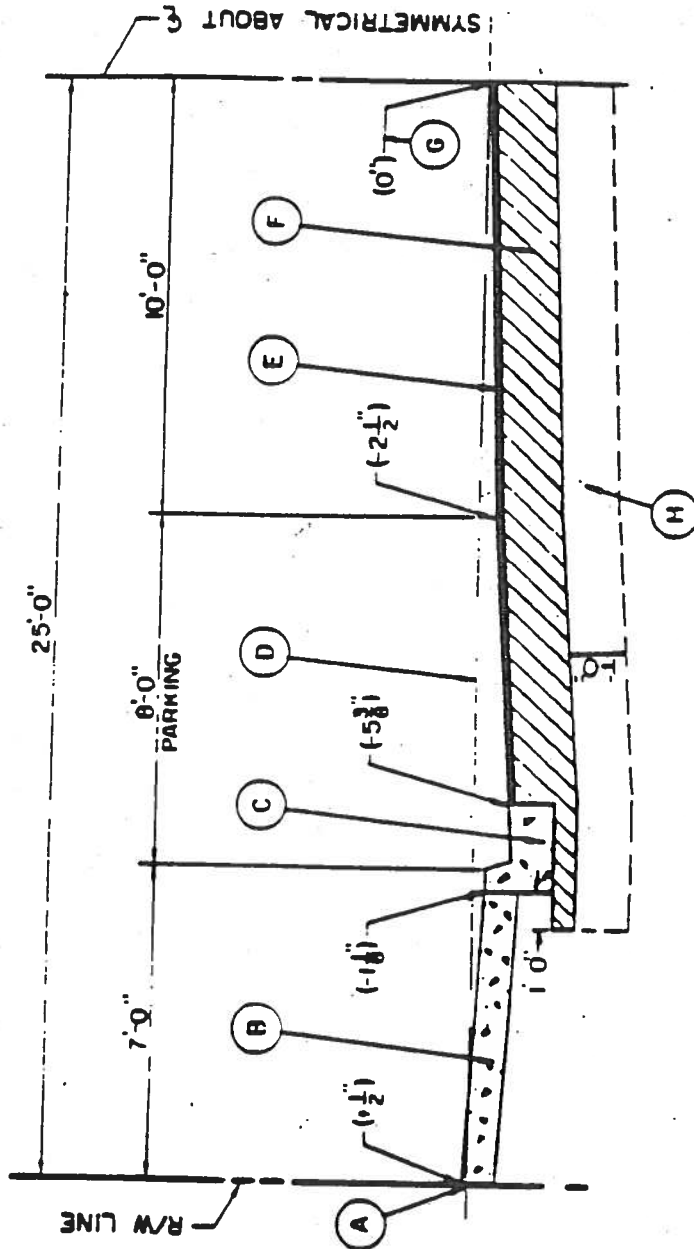
3/10/81

6/27/83

6/4/86

11

SHEET 1 OF 1



- NOTE**
AN APPROVED DRAINAGE SYSTEM
IS REQUIRED WHERE THIS DETAIL
IS USED.
- A** RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
B CONCRETE SIDEWALK WHERE REQUIRED
C 6" CURB AND GUTTER
D LEVEL LINE
E ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
F BASE COURSE, PRIMED ENTIRE WIDTH
G OFFSET FROM LEVEL LINE
H STABILIZED SUBGRADE

CURB & GUTTER	R-14.1	SEC 145	SPEC REF
CONC SIDEWALK	R-13.1	SEC 133	
ASPHALTIC CONCRETE		SEC 51	
BASE COURSE			
ITEM	CROSS REF		

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

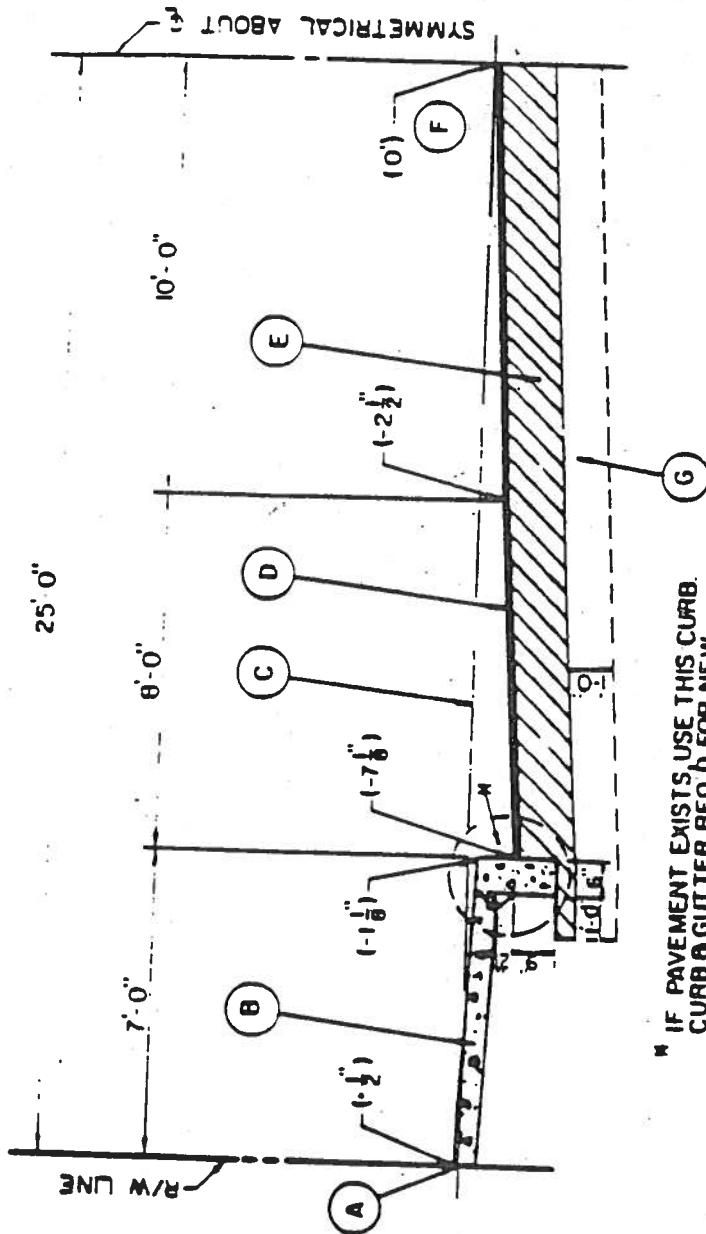
APPROVED
6/5/81

REVISED
3/10/81
8/5/83

STANDARD ROAD DETAIL
50' R/W - 2 LANES
CURB AND GUTTER

R
1.2

SHEET 1 OF 2



- NOTE:**
AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.
- A RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
 - B SPECIAL CONCRETE CURB-SIDEWALK COMBINATION
 - C LEVEL LINE
 - D ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
 - E BASE COURSE, PRIMED ENTIRE WIDTH
 - F OFFSET FROM LEVEL LINE
 - G STABILIZED SUBGRADE

ITEM	CROSS REF	SPEC REF
CURB & GUTTER	R 141	SEC 145
CONC SIDEWALK	R 151	SEC 133
ASPHALTIC CONCRETE		SEC 51
BASE COURSE		

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

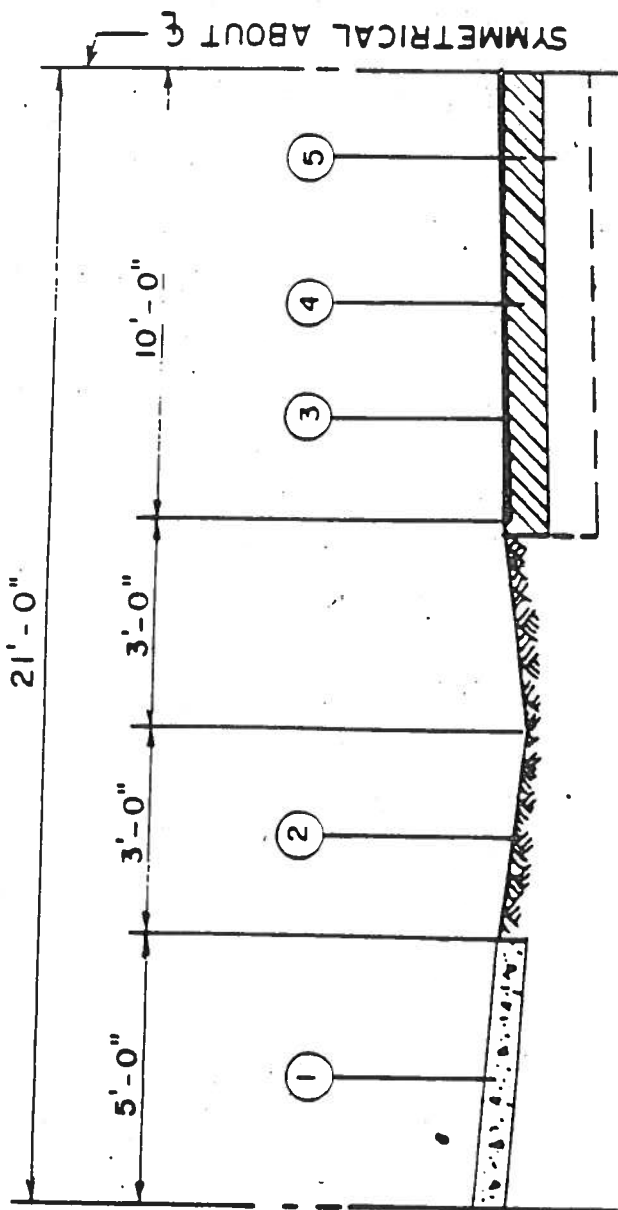
APPROVED
4/19/74

REVISED
3/10/91
8/5/83

STANDARD ROAD DETAIL
50' R/W - 2 LANES
CURB AND GUTTER

R
1.2

SHEET 2 OF 2



- ① CONCRETE SIDEWALK (4" THICK, 6" AT DRIVEWAY)
- ② SWALE
- ③ ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- ④ BASE COURSE 8" THICK
- ⑤ STABILIZED SUBGRADE 12" THICK (MIN. CBR OF 30)

STANDARD PRIVATE ROAD DETAIL (42')

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
[Signature]
1/23/04

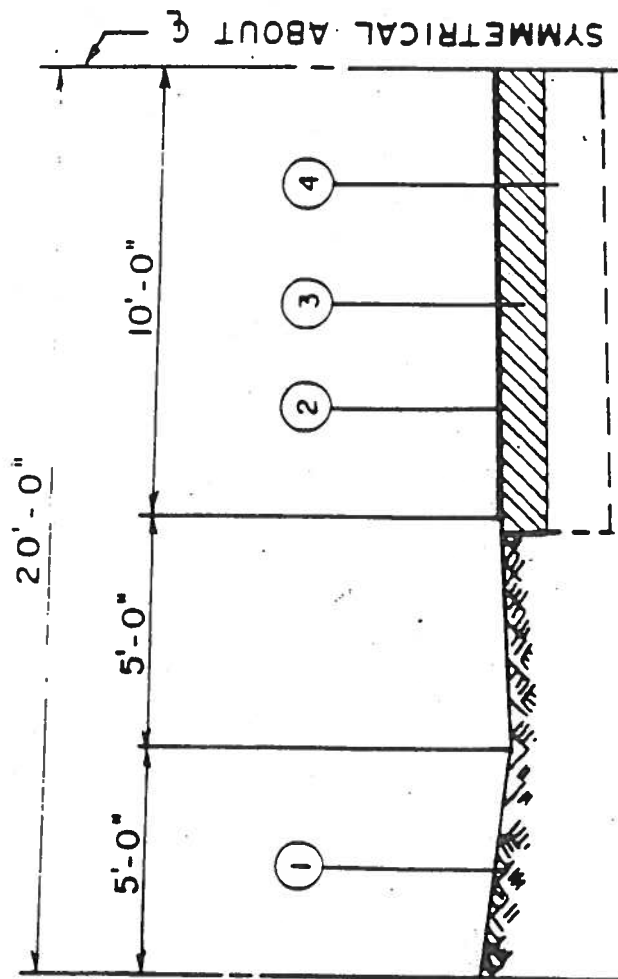
REVISED

STANDARD ROAD DETAIL

PRIVATE ROAD
42'-2 LANES

R
1.3

SHEET 1 OF 1



- ① SWALE
- ② ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- ③ BASE COURSE 8" THICK
- ④ STABILIZED SUBGRADE 12" THICK (MIN. CBR OF 30)

STANDARD PRIVATE ROAD DETAIL (40')

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

2/28/00

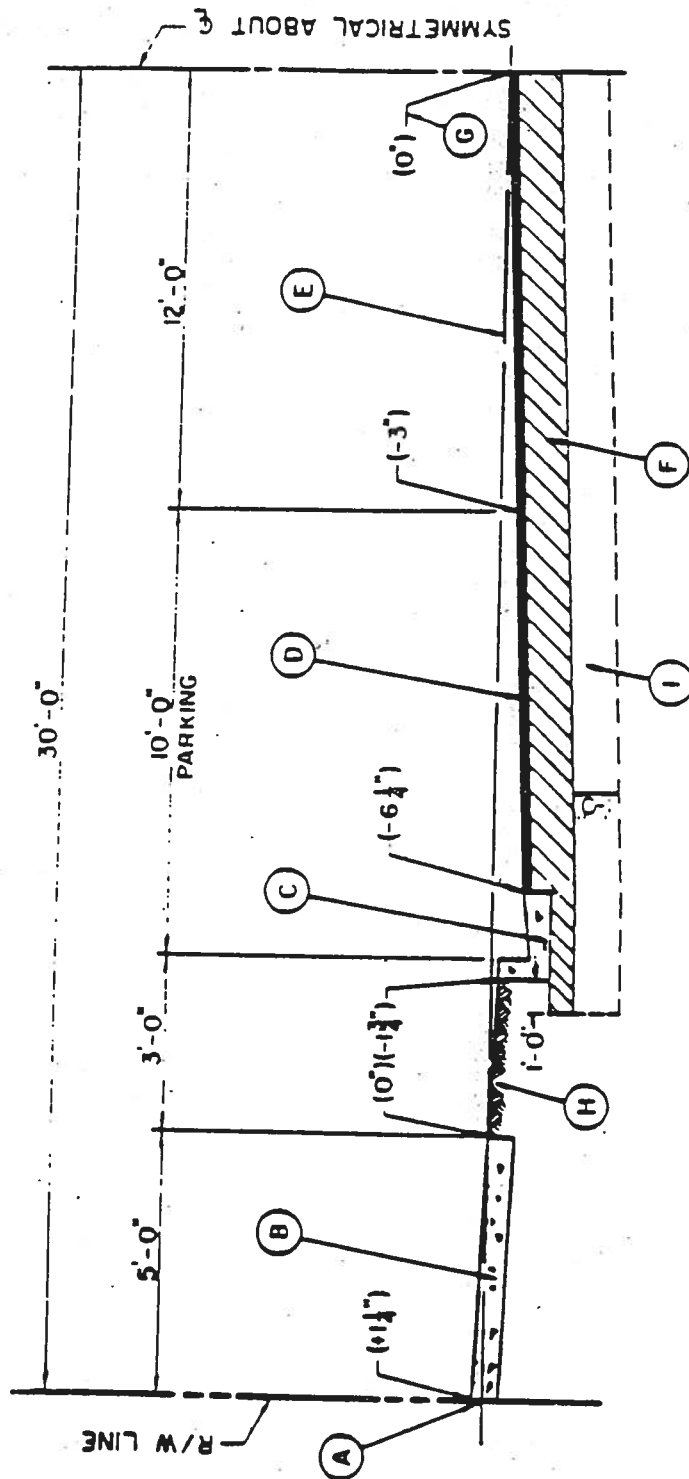
REVISED

STANDARD ROAD DETAIL

PRIVATE ROAD
40' - 2 LANES

R
1.4

SHEET 1 OF 1



NOTES:

- 1 THIS DETAIL APPLIES TO LOCAL STREETS IN MULTI FAMILY RESIDENTIAL AREAS, AND COMMERCIAL & INDUSTRIAL AREAS. FOR COLLECTOR STREETS USED FOR ACCESS TO THESE LAND USES INDICATED BY TRAFFIC PROJECTIONS SHOWN, USE STD DETAIL R-2.3
- 2 AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.

- (A) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (B) CONCRETE SIDEWALK WHERE REQUIRED
- (C) 6" CURB AND GUTTER
- (D) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (E) LEVEL LINE
- (F) BASE COURSE, PRIMED ENTIRE WIDTH
- (G) OFFSET FROM LEVEL LINE
- (H) SOLID SOD
- (I) STABILIZED SUBGRADE

CURB & GUTTER	R-141	CROSS REF
CONCRETE SIDEWALK	R-131	
ASPHALTIC CONCRETE		
BASE COURSE		
ITEM	SPEC REF	

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

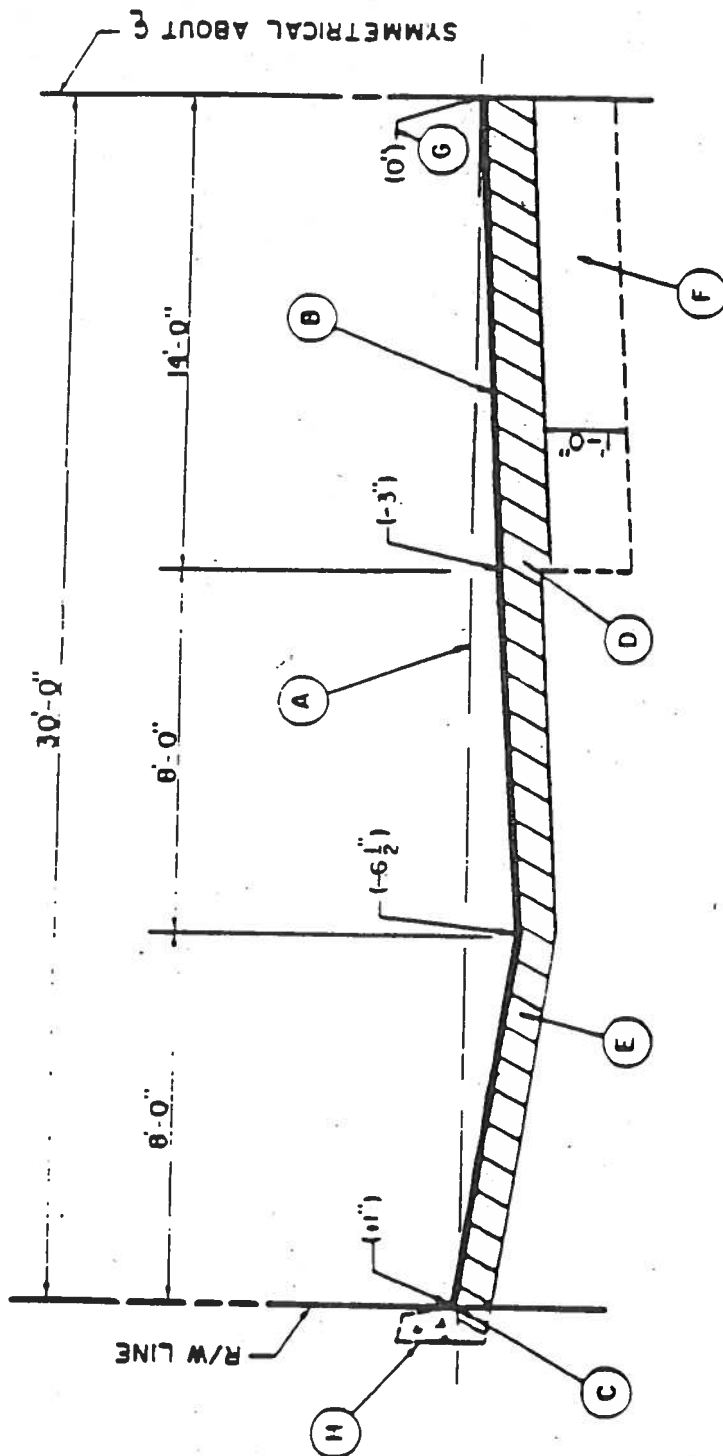
APPROVED
6/5/61

REVISED
3/0/81
8/5/83

STANDARD ROAD DETAIL
60' R/W - 2 LANES
CURB AND GUTTER
(LOCAL STREET)

R
2.2

SHEET 1 OF 1



- NOTE:**
AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.
- (A) LEVEL LINE
 - (B) ASPHALTIC CONCRETE 1" THICK
 - (C) RIGHT OF WAY LINE AT OR ABOVE FLOOD CRITERIA
 - (D) BASE COURSE PRIMED, 8" THICK
 - (E) " " " 6" THICK
 - (F) STABILIZED SUBGRADE
 - (G) OFFSET FROM LEVEL LINE
 - (H) 6" CONCRETE CURB BETWEEN APPROVED DRIVEWAY LOCATIONS WHERE REQUIRED BY SITE PLAN APPROVAL

NOTE:
AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.

ITEM	CROSS REF	SPEC REF
DRIVEWAY CURB	R 14.2	SEC 33
STABILIZING		SEC 151
ASPHALTIC CONCRETE		SEC 51.54
BASE COURSE		SEC 51.54

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

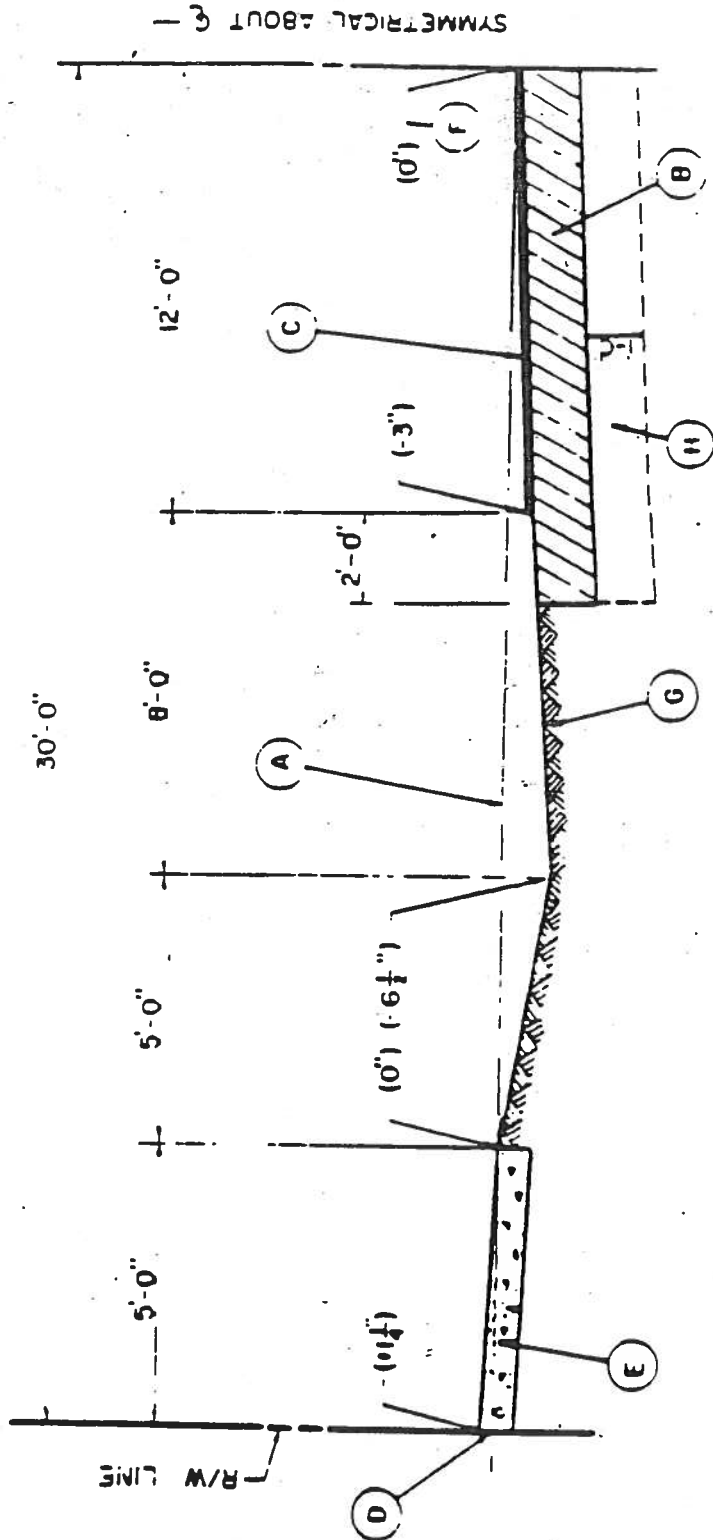
APPROVED
8 28 '74

REVISED
3/10 /B

STANDARD ROAD DETAIL
60' R/W - 2 LANES
INDUSTRIAL

R
2.4

SHEET 1 OF 1



- (A) LEVEL LINE
- (B) BASE COURSE, PRIMED ENTIRE WIDTH
- (C) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (D) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (E) CONCRETE SIDEWALK WHERE REQUIRED
- (F) OFFSET FROM LEVEL LINE
- (G) SWALE (SOLID SOD), SEE R-146 FOR SPECIAL DRAINAGE CONDITIONS
- (H) STABILIZED SUBGRADE

NOTE: PRIVATE DRIVEWAY APPROACHES TO ALWAYS BE A STRAIGHT SLOPE

ITEM	CROSS REF	SPEC REF
WATER CONTROL		SEC 114
STABILIZING		SEC 31
CONC SIDEWALK	R-131	SEC 145
ASPHALTIC CONCRETE		SEC 131
BASE COURSE		SEC 51

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

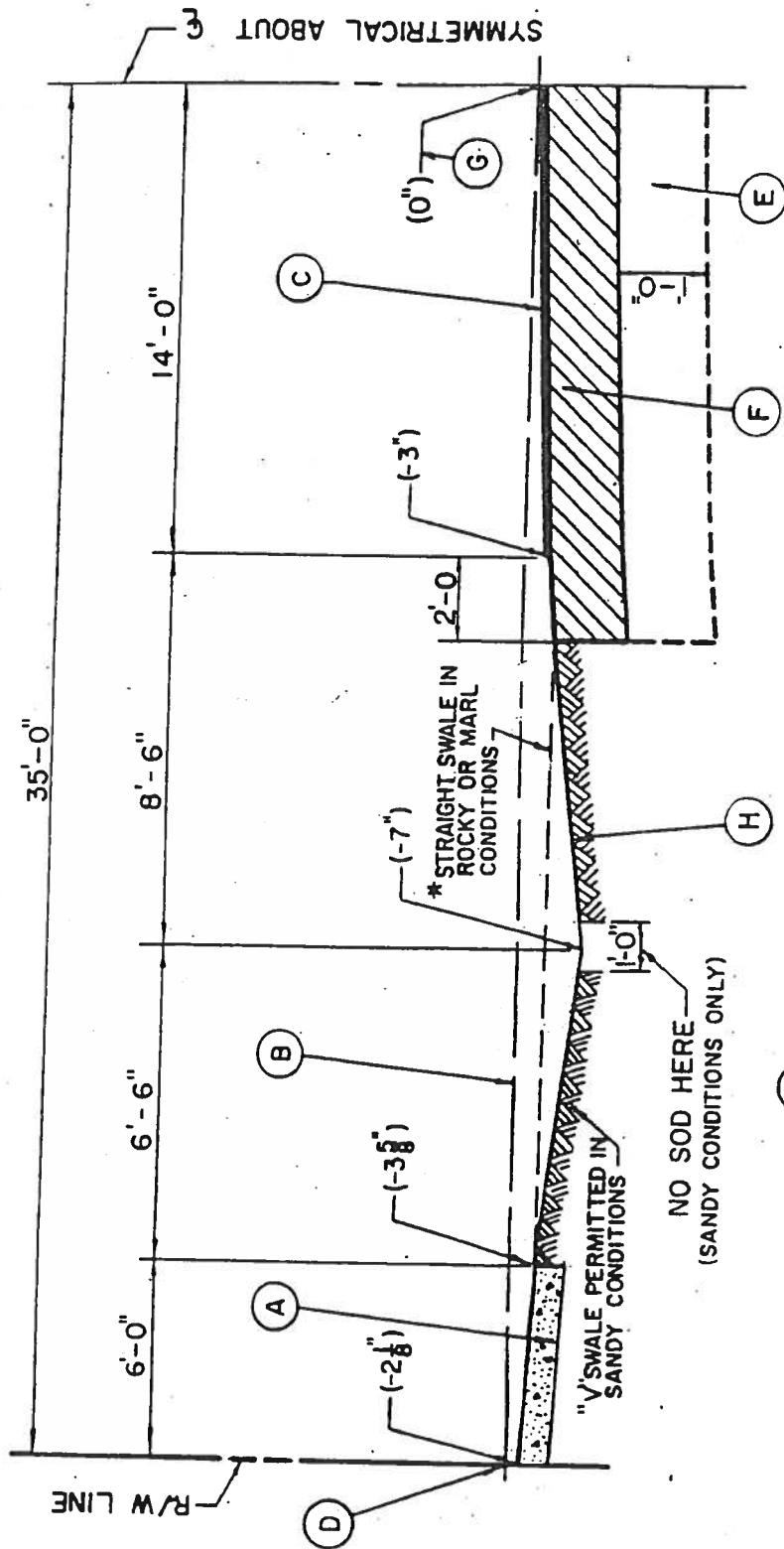
APPROVED
6/5/61

REVISED
8/5/83
6/4/86

STANDARD ROAD DETAIL
60' R/W - 2 LANES
SWALE

R
2.1

SHEET 1 OF 1



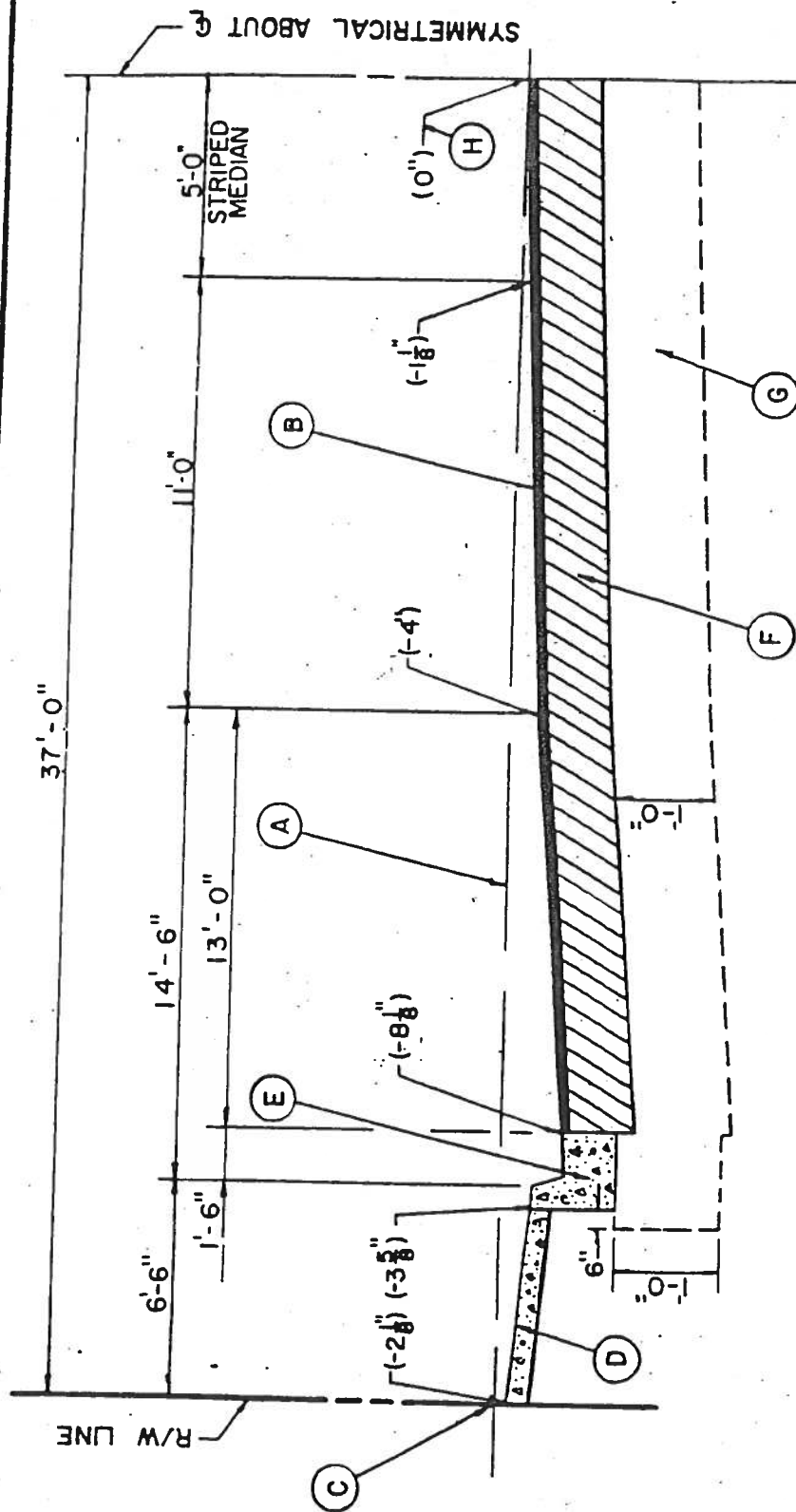
- A CONCRETE SIDEWALK WHERE REQUIRED
- B LEVEL LINE
- C ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- D RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- E STABILIZED SUBGRADE
- F BASE COURSE, PRIMED ENTIRE WIDTH
- G OFFSET FROM LEVEL LINE
- H SWALE (SOLID SOD), SEE R-14.6 FOR SPECIAL DRAINAGE CONDITIONS

* PRIVATE DRIVEWAY APPROACHES TO ALWAYS BE A STRAIGHT SLOPE.

STABILIZING	SEC. 33
CONC. SIDEWALK	R-13.1
ASPHALTIC CONCRETE	SEC. 145
BASE COURSE	SEC. 133
	SEC. 51-54
CROSS	SPEC.

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7/25/83

MIAMI DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED 3/25/99	REVISED	STANDARD ROAD DETAIL 74' R/W - 4 LANES CURB AND GUTTER	R 3.2A
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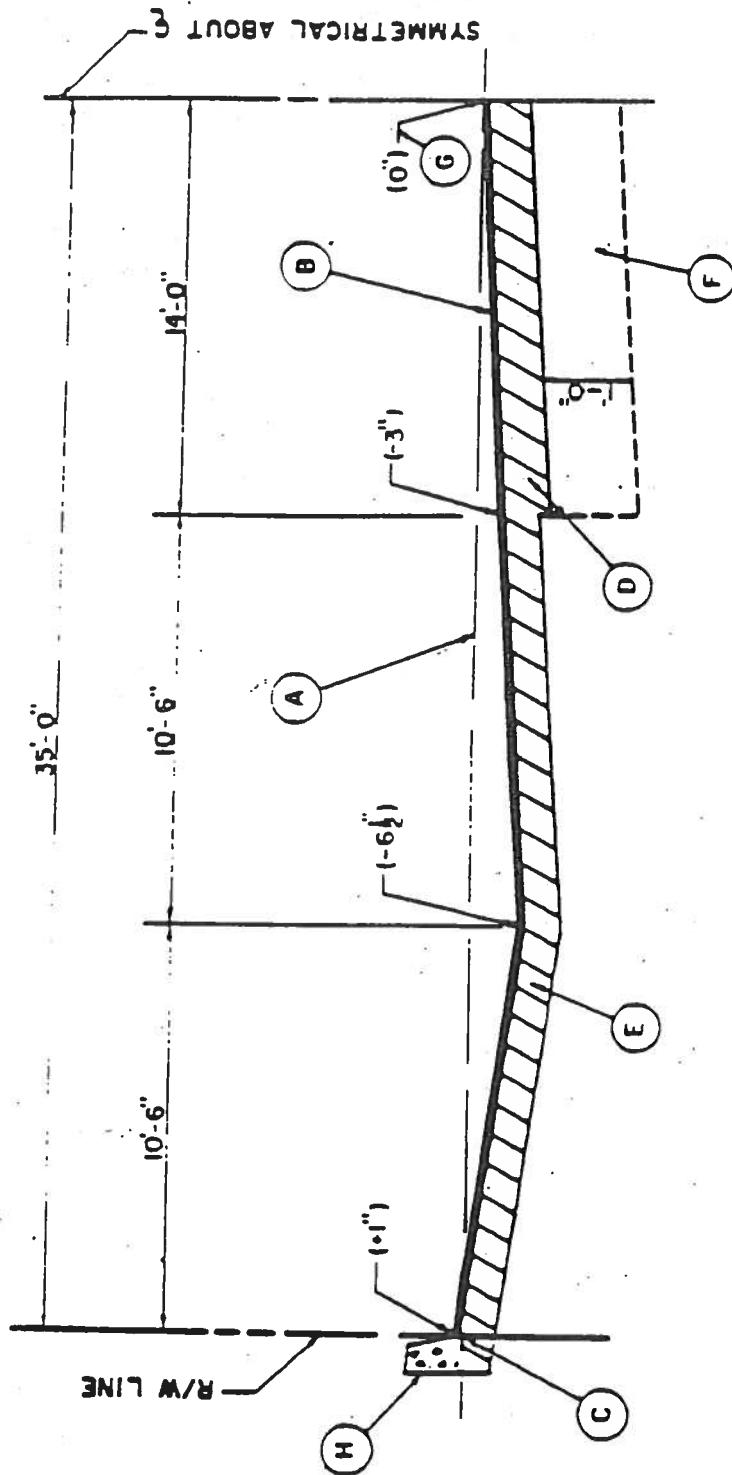
NOTES:

1. THIS DETAIL APPLIES TO ARTERIAL STREETS, TOWN HOUSE & MULTI-FAMILY RESIDENTIAL AREAS, AND COMMERCIAL & INDUSTRIAL AREAS. IT ALSO APPLIES TO COLLECTOR STREETS USED FOR ACCESS TO THESE LAND USES WHERE INDICATED BY TRAFFIC PROJECTIONS.
2. AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.

LEVEL LINE

- (A) ASPHALTIC CONCRETE SURFACE COURSE 2" THICK (MINIMUM) TO BE PLACED IN TWO (2) LIFTS.
- (B) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (C) CONCRETE SIDEWALK WHERE REQUIRED
- (D) 6" CURB AND GUTTER
- (E) BASE COURSE, PRIMED ENTIRE WIDTH
- (F) STABILIZED SUBGRADE
- (G) OFFSET FROM LEVEL LINE
- (H)

STABILIZING	SEC. 33
CURB & GUTTER	R-14.1
CONC. SIDEWALK	R-13.1
ASPHALTIC CONCRETE	SEC. 14.5
BASE COURSE	SEC. 12.1
ITEM	CROSS SPEC. RFF



- NOTE**
AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.
- (A) LEVEL LINE
 - (B) ASPHALTIC CONCRETE 1" THICK
 - (C) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
 - (D) BASE COURSE PRIMED, 8" THICK
 - (E) " " " " 6" THICK
 - (F) STABILIZED SUBGRADE
 - (G) OFFSET FROM LEVEL LINE
 - (H) 6" CONCRETE CURB BETWEEN APPROVED DRIVEWAY LOCATIONS WHERE REQUIRED BY SITE PLAN APPROVAL

ITEM	CROSS OFF	SPEC REF
DRIVEWAY CURB	R14.2	SEC 35
STABILIZING		SEC 133
ASPHALTIC CONCRETE		SEC 54-54
BASE COURSE		

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

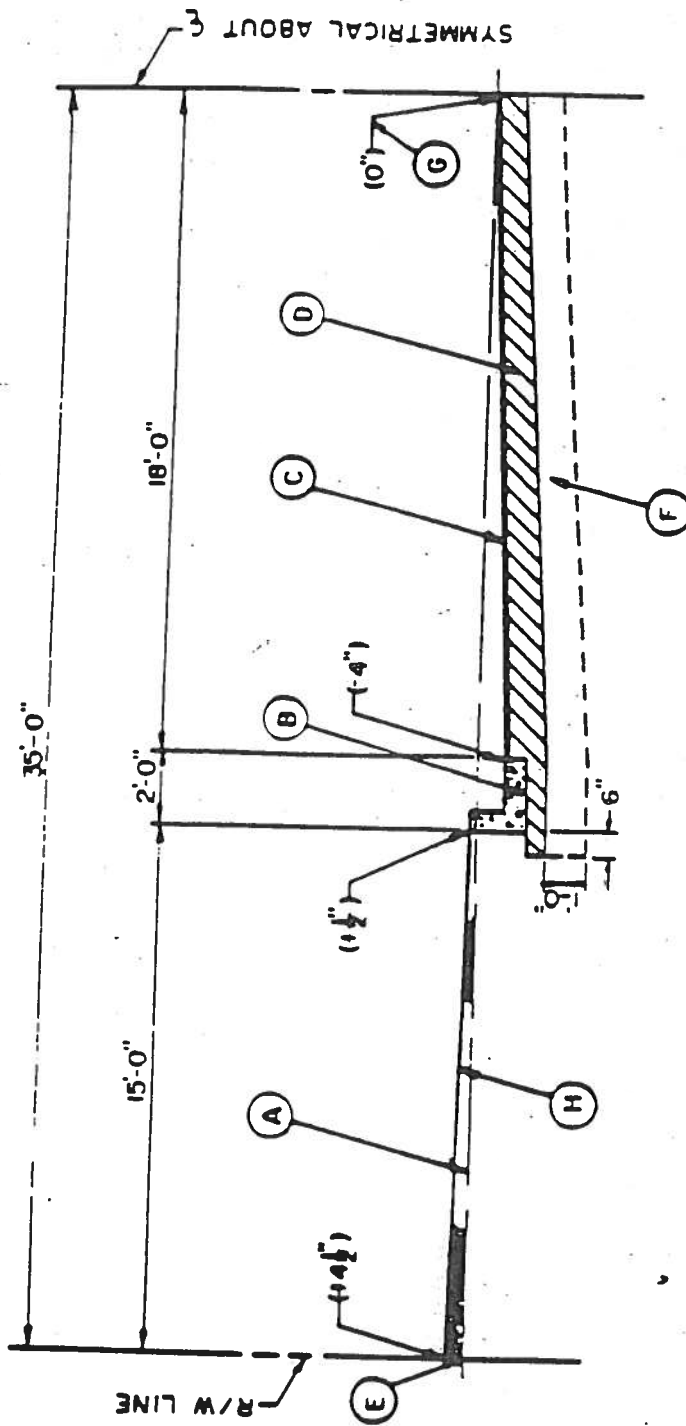
APPROVED
8/28/74

REVISED
3/10/8

STANDARD ROAD DETAIL
70' R/W - 2 LANES
INDUSTRIAL (WITHOUT PARKING)

R
3.3

SHEET 1 OF 1



NOTE: THIS 2 LANE DIVIDED ROADWAY MAY BE USED AS AN ALTERNATE IN INDUSTRIAL AREAS IN PLACE OF R-2.4, OR R-3.3.

- (A) LEVEL LINE
- (B) 6" CURB & GUTTER
- (C) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (D) BASE COURSE 8" PRIMED ENTIRE WIDTH
- (E) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (F) STABILIZED SUBGRADE
- (G) OFFSET FROM LEVEL LINE
- (H) SWALE (SOLID SOD)

CURB & GUTTER	R-14.1	SEC. 33	R/F
STABILIZING		SEC. 133	R/F
ASPHALTIC CONC.		SEC. 94.3	R/F
BASE COURSE		SEC. 94.3	R/F
ITEM	CROSS	SPEC	R/F

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

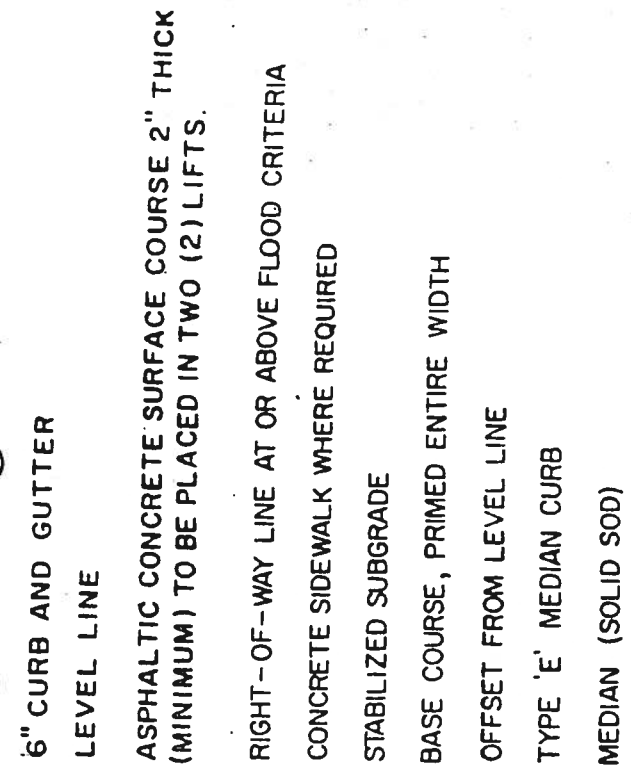
APPROVED
9/9/83

REVISED

STANDARD ROAD DETAIL
70' R/W - 3 LANES
INDUSTRIAL

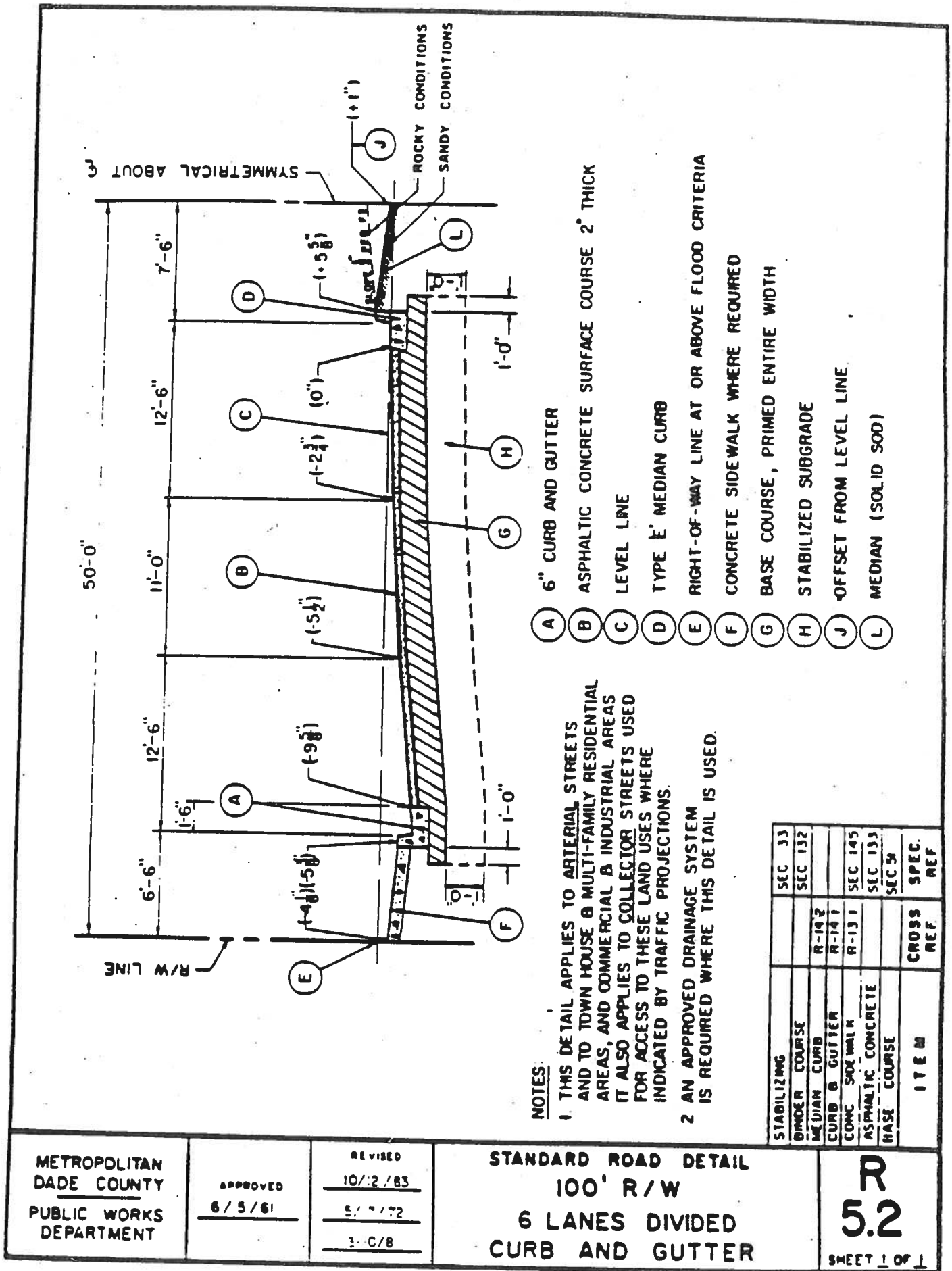
R
3.4
SHEET 1 OF 1





2. AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.

2/26/99



NOTES:

1 THIS DETAIL APPLIES TO ARTERIAL STREETS AND TO TOWN HOUSE & MULTI-FAMILY RESIDENTIAL AREAS, AND COMMERCIAL & INDUSTRIAL AREAS. IT ALSO APPLIES TO COLLECTOR STREETS USED FOR ACCESS TO THESE LAND USES WHERE INDICATED BY TRAFFIC PROJECTIONS.

2 AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.

- (A) 6" CURB AND GUTTER
- (B) ASPHALTIC CONCRETE SURFACE COURSE 2" THICK
- (C) LEVEL LINE
- (D) TYPE E' MEDIAN CURB
- (E) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (F) CONCRETE SIDEWALK WHERE REQUIRED
- (G) BASE COURSE, PRIMED ENTIRE WIDTH
- (H) STABILIZED SUBGRADE
- (J) OFFSET FROM LEVEL LINE
- (L) MEDIAN (SOLID SOD)

STABILIZING	SEC 33	
DIMMER COURSE	SEC 132	
MEDIAN CURB	R-142	
CURB & GUTTER	R-141	
CONC. SIDEWALK	R-131	SEC 145
ASPHALTIC CONCRETE		SEC 133
BASE COURSE		SEC 34
ITEM	CROSS REF.	SPEC. REF.

R
5.2

SHEET 1 OF 1

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/61

REVISED
10/12/83
5/7/72
3-C/B

STANDARD ROAD DETAIL
100' R/W
6 LANES DIVIDED
CURB AND GUTTER

R
5.2A

MIAMI DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED	REVISED
	6/5/61	10/12/83
		4/1/70
		5/17/72
		3/25/90

STANDARD ROAD DETAIL

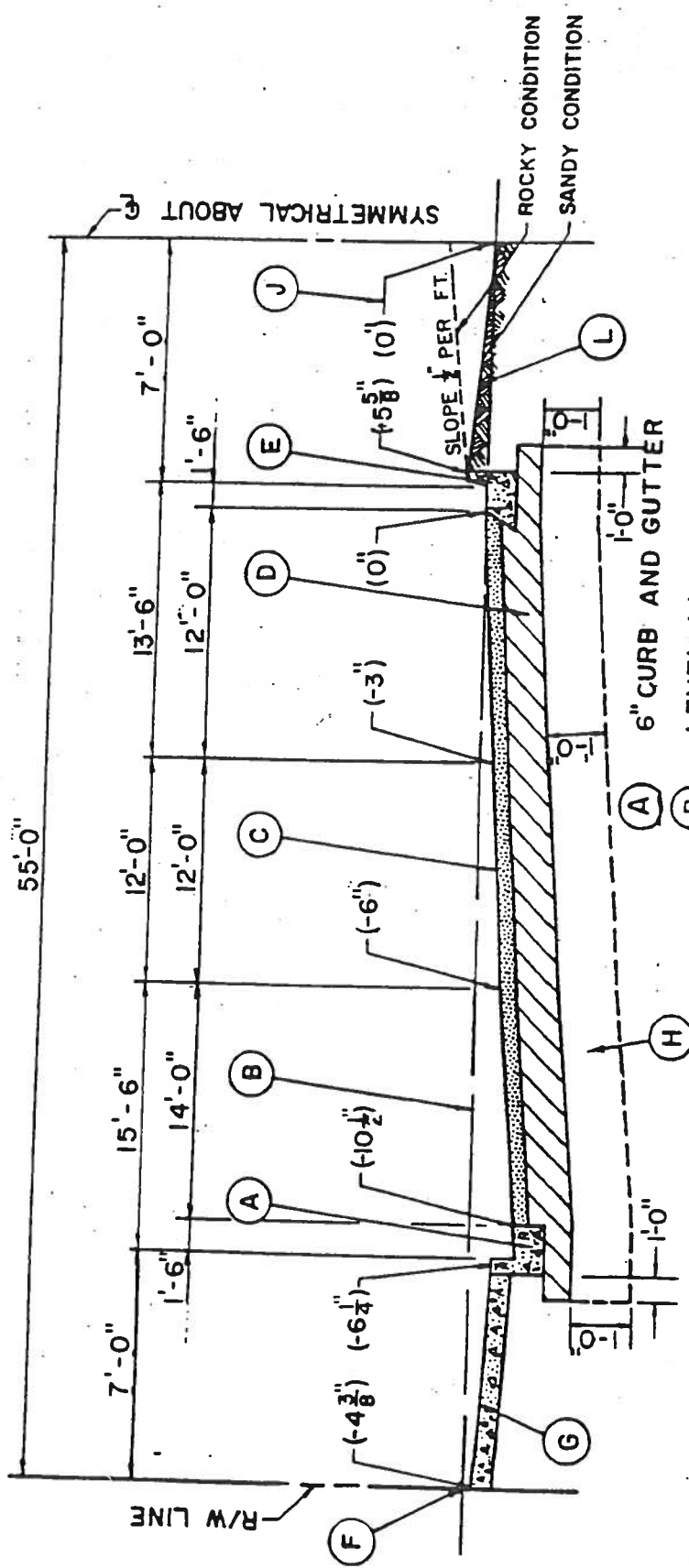
110' R/W

6 LANES DIVIDED

STABILIZING	SEC. 33
BINDER COURSE	SEC. 132
MEDIAN CURB	R-14.2
CURB & GUTTER	R-14.1
CONCRETE SIDEWALK	R-13.1
ASPHALTIC CONCRETE	SEC. 133
BASE COURSE	SEC. 51
CROSS	SPEC.

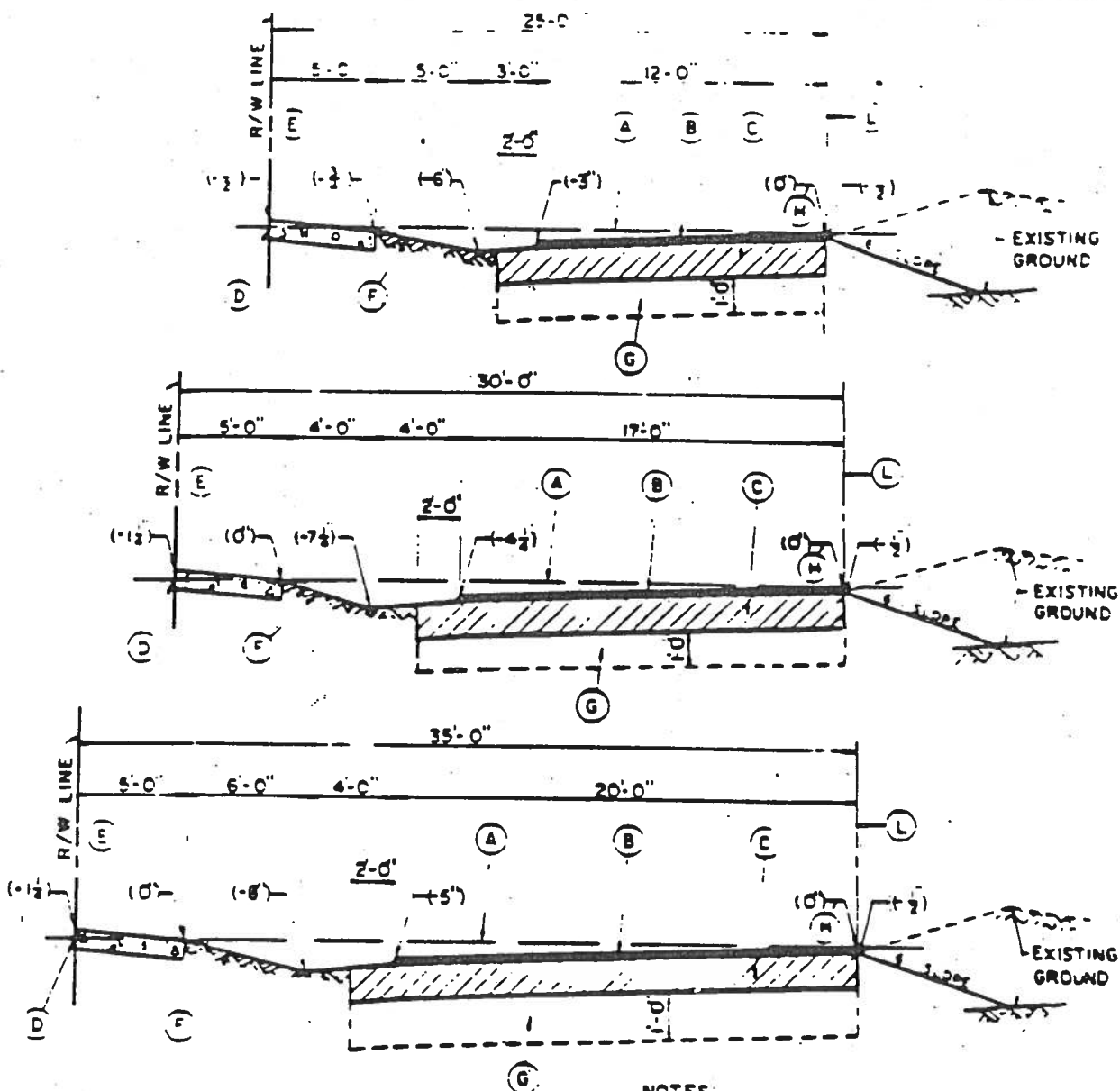
[Signature]

3/25/96



NOTES:

- THIS DETAIL APPLIES TO ARTERIAL STREETS AND TO TOWN HOUSE & MULTI-FAMILY RESIDENTIAL AREAS, AND COMMERCIAL & INDUSTRIAL AREAS. IT ALSO APPLIES TO COLLECTOR STREETS USED FOR ACCESS TO THESE LAND USES WHERE INDICATED BY TRAFFIC PROJECTIONS.
 - AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.
- ASPHALTIC CONCRETE SURFACE COURSE 2" THICK (MINIMUM) TO BE PLACED IN TWO (2) LIFTS.
 - BASE COURSE, PRIMED ENTIRE WIDTH
 - TYPE 'E' MEDIAN CURB
 - RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
 - CONCRETE SIDEWALK WHERE REQUIRED
 - STABILIZED SUBGRADE
 - OFFSET FROM LEVEL LINE
 - MEDIAN (SOLID SOD)



NOTES

1. USE ONLY IF THE OTHER HALF OF THE ZONED RIGHT-OF-WAY IS NOT DEDICATED AT TIME OF CONSTRUCTION.
2. THIS DETAIL APPLIES ONLY TO LOCAL STREETS IN RESIDENTIAL AREAS OF DENSITY LESS THAN 10 UNITS PER ACRE FOR HIGHER DENSITY RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL USE, CURB AND GUTTER DETAILS SHALL APPLY.

- (A) LEVEL LINE
- (B) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK (MIN)
- (C) BASE COURSE, PRIMED ENTIRE WIDTH
- (D) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (E) CONCRETE SIDEWALK WHEN REQUIRED
- (F) SWALE (SOLID SOD), SEE R-14.6 FOR SPECIAL DRAINAGE CONDITIONS
- (G) STABILIZED SUBGRADE
- (H) OFFSET FROM LEVEL LINE
- (L) $\frac{1}{2}$ OF PROPOSED FULL DEDICATION OR FRACTIONAL LINE

NOTE: PRIVATE DRIVEWAY APPROACHES TO ALWAYS BE A STRAIGHT SLOPE

CONCRETE SIDEWALK	R 13:	SEC 45
ASPHALTIC CONCRETE		SEC 133
BASE COURSE		SEC 9
STABILIZING		SEC 93
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/61

REVISED

6/4/78
8/5/83

STANDARD ROAD DETAIL
REQUIREMENTS FOR
25', 30' & 35'
 $\frac{1}{2}$ RIGHTS OF WAY

R
8.1

SHEET 1 OF 2

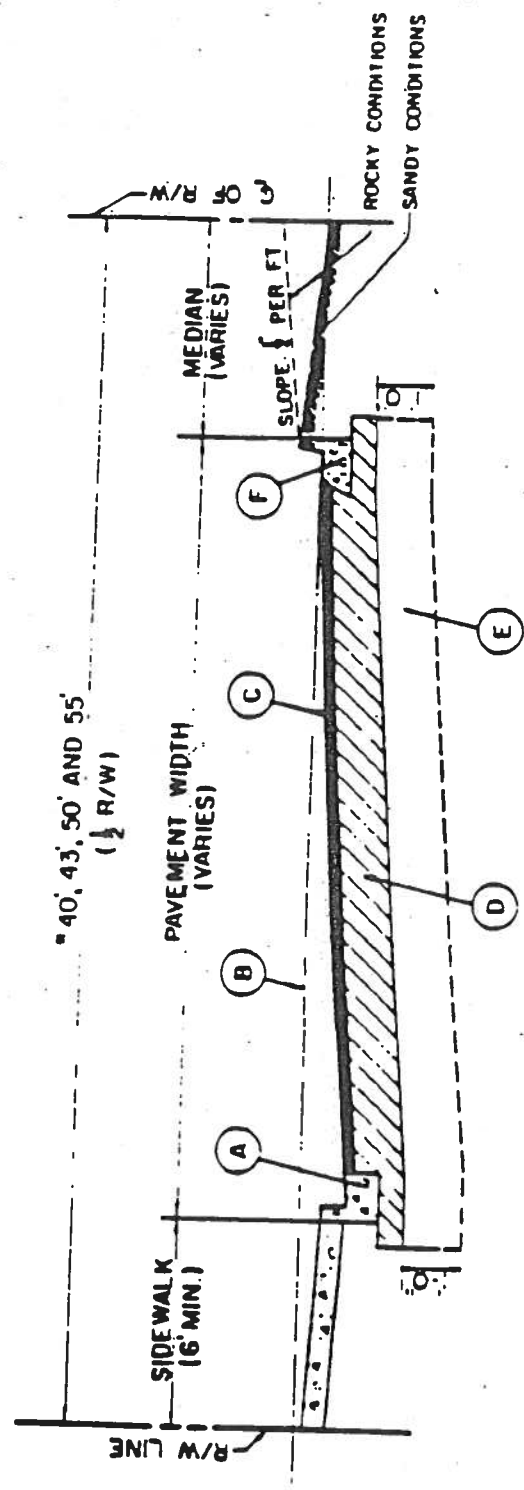
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
5/17/72

REVISED
3/10/81
10/12/83

STANDARD ROAD DETAIL
REQUIREMENTS FOR
40', 43', 50' & 55'
1/2 RIGHTS OF WAY

R
8.1
SHEET 2 OF 2



NOTE:
1 USE ONLY IF THE OTHER HALF OF THE
ZONED RIGHT-OF-WAY IS NOT DEDICATED
AT TIME OF CONSTRUCTION

- A 6" CURB AND GUTTER
- B LEVEL LINE
- C ASPHALTIC CONCRETE SURFACE COURSE
- D BASE COURSE
- E STABILIZED SUBGRADE
- F TYPE 'E' MEDIAN CURB

* FOR CONSTRUCTION REQUIREMENTS
SEE R-4.4 (80' R/W)
R-4.5 (86' R/W)
R-5.2 (100' R/W)
R-6.2 (110' R/W)

CONCRETE SIDEWALK	R-13.1	SEC 145
ASPHALTIC CONCRETE		SEC 153
BASE COURSE		SEC 51
STABILIZING		SAC 31
ITEM	CROSS REF	SPEC REF

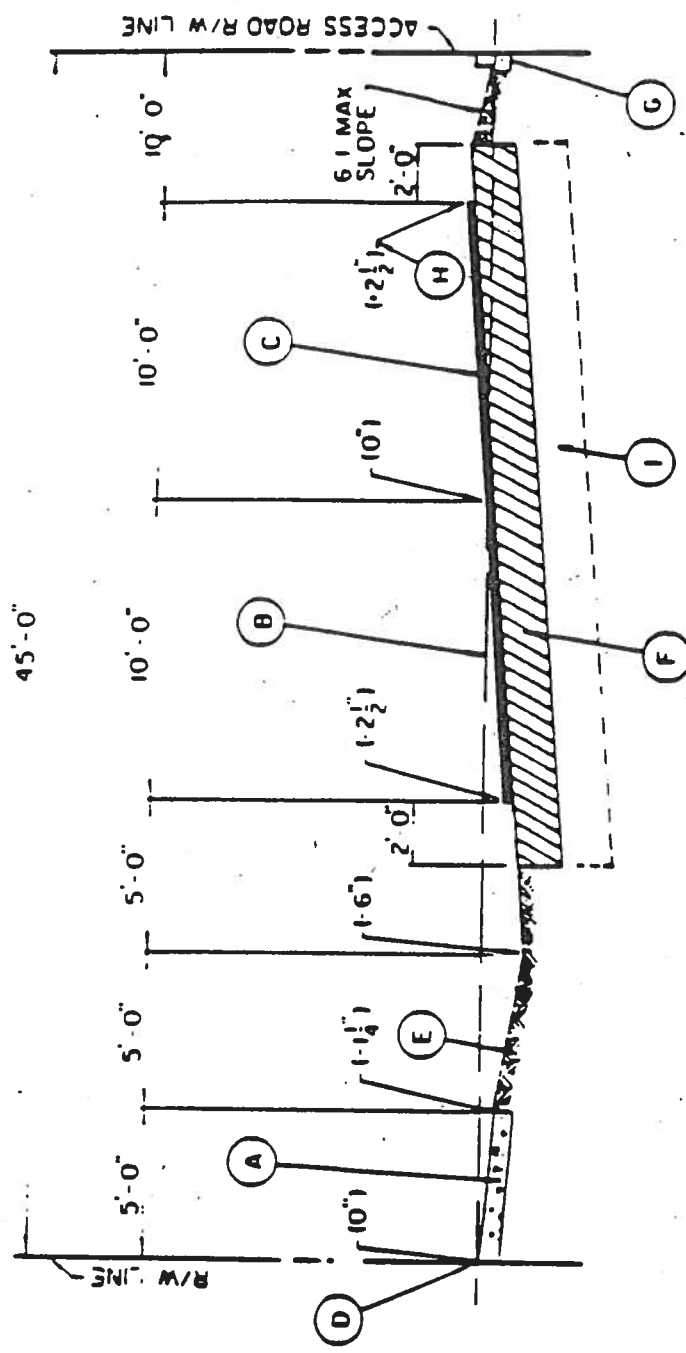
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
E E2

REVISED
8/5/83
6/4 BE

STANDARD ROAD DETAIL
ACCESS ROAD ADJACENT
TO ARTERIAL ROAD

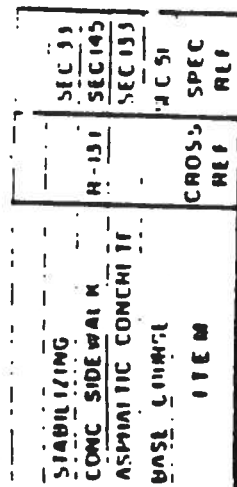
SHEET 1 OF 1
R
9.1



- (A) CONCRETE SIDEWALK WHERE REQUIRED
- (B) LEVEL LINE
- (C) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (D) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (E) SWALE ISOLID SODI
- (F) BASE COURSE, PRIMED ENTIRE WIDTH
- (G) CONTINUOUS BARRIER REQUIRED - WALL, FENCE, ETC
SUBJECT TO PUBLIC WORKS DEPARTMENT APPROVAL
- (H) OFFSET FROM LEVEL LINE
- (I) STABILIZED SUBGRADE

NOTE PRIVATE DRIVEWAY APPROACHES TO
ALWAYS BE A STRAIGHT SLOPE

CURB SEPARATORS	R-145	SPEC REF
STABILIZING	SEC 33	
CONC SIDEWALK	R-131	SEC 145
ASPHALTIC CONCRETE		SEC 133
BASE COURSE		SEC 34
ITEM	CROSS REF	SPEC REF



METROPOLITAN
 JADE COUNTY
 PUBLIC WORKS
 DEPARTMENT

APPROVED
6 62

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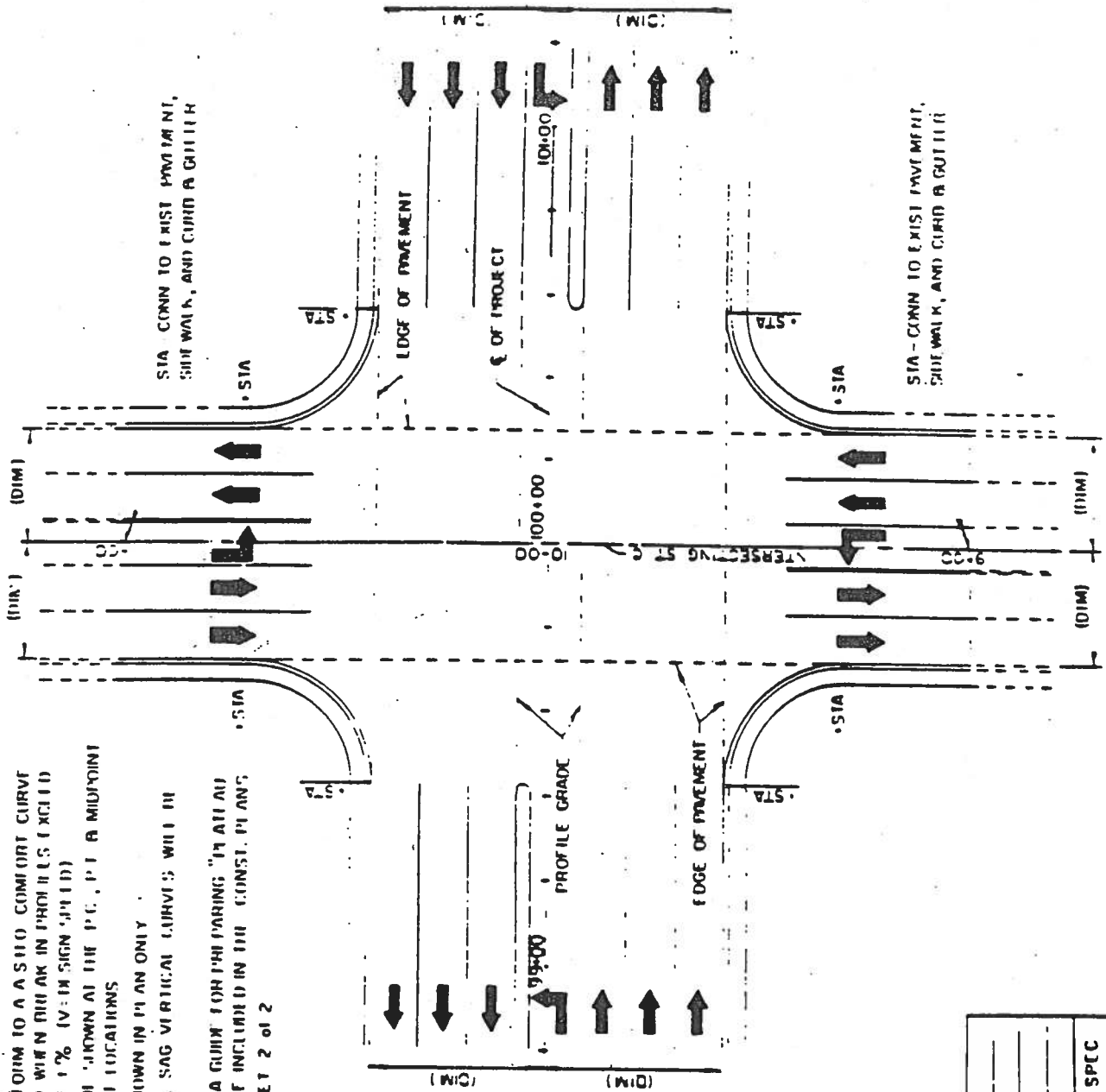
€ 4 26

STANDARD ROAD DETAIL
ACCESS ROAD ADJACENT
TO CANAL OR OTHER
WATER AREAS

R
9.2

NOTES:

1. VERTICAL CURVES SHALL CONFORM TO A S110 COMFORT CURVE (11:46.5) AND ARE TO BE USED WHEN RISE IN PROFILES (XCED) AN ALGEBRAIC DIFFERENCE OF 1% (V IN SIGN (P) ID)
2. GUTTER ELEVATIONS SHALL BE SHOWN AT THE P.C., P.T. & MIDPOINT OF ALL RETURNS AND AT INLET LOCATIONS
3. INLET LOCATIONS SHALL BE SHOWN IN PLAN ONLY
4. LOW POINT EL. & STA. ON ALL SAG VERTICAL CURVES WILL BE GIVEN IN PROFILE
5. THIS DETAIL TO BE USED AS A GUIDE FOR THE PAVING "IN AT AN INTERSECTION DETAILS" TO BE INCLUDED IN THE CONST. PLANS
6. FOR PROFILE VIEWS SEE SHEET 2 OF 2



METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED:

10-72

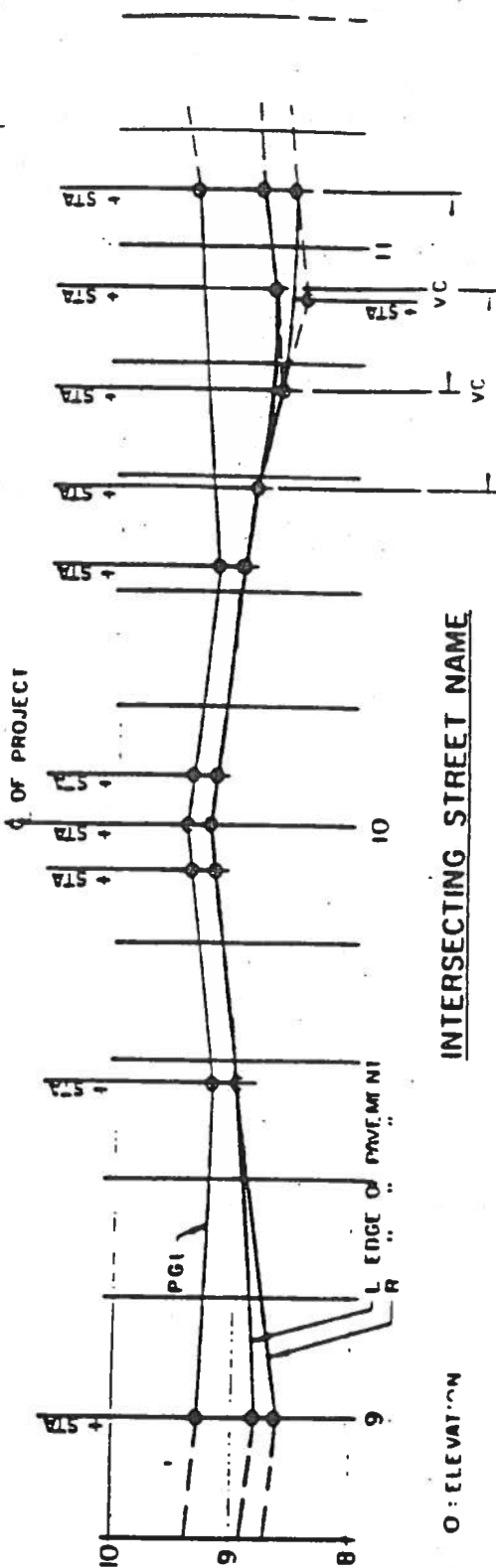
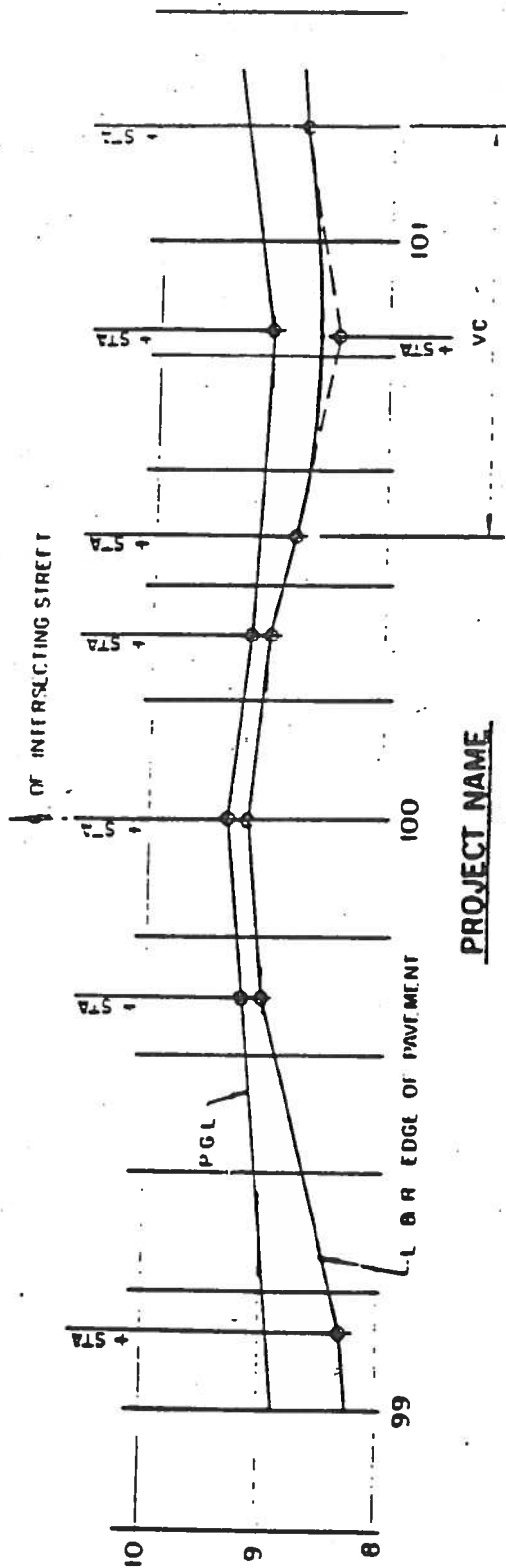
REVISED

STANDARD ROAD DETAIL
SAMPLE
PLATEAU INTERSECTION

ITEM	CROSS REF	SPEC REF

R
10.1

SHEET 1 OF 2



ITEM	CROSS SECTION	STA NO.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

DATE

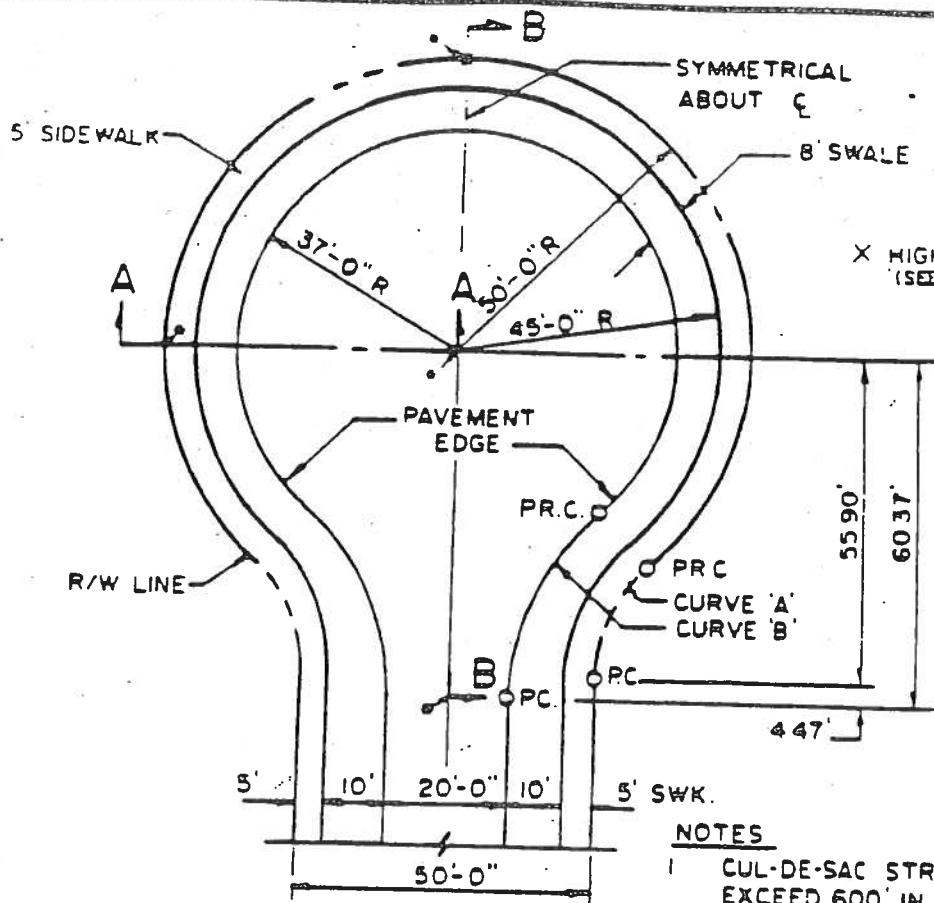
DESIGNED

STANDARD ROAD DETAIL

SAMPLE
PLATEAU INTERSECTION

R
10.1

5-55-2 OF 2



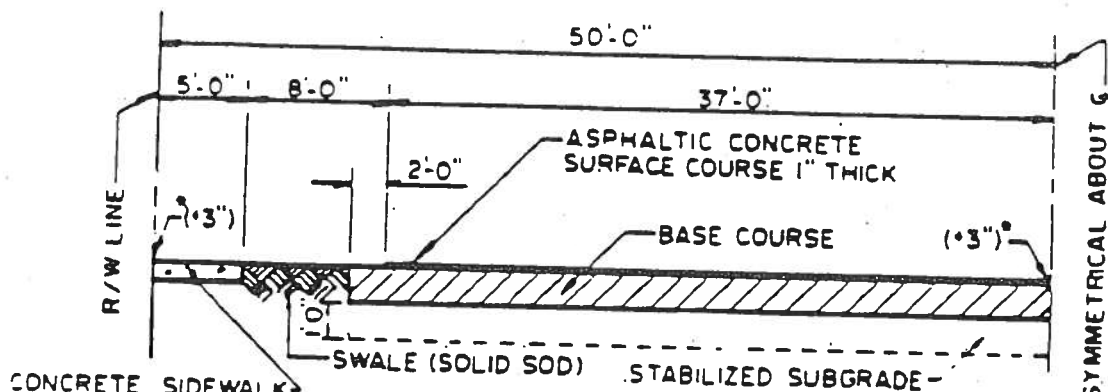
CURVE DATA

	$\Delta = 48^{\circ}11'23''$
A	R = 25 00
	L = 21 03'
	T = 11 18'
	$\Delta = 48^{\circ}11'23''$
B	R = 44 00'
	L = 37 01'
	T = 19 58'

NOTES

1. CUL-DE-SAC STREET NOT TO EXCEED 600' IN LENGTH
2. MAINTAIN MIN 2% SLOPE IN SWALE FOR PROPER DRAINAGE
3. FOR SECTION 'B-B' SEE SHEET 3 OF 3

PLAN



SECTION A-A

• LOCATION ON PLAN REFERS TO THIS POINT(S).

CONC SIDEWALK	R-13	SEC 145
ASPHALT CONC		SEC 133
BASE COURSE		SEC 5.
STABILIZING		SEC 33
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/61

REVISED

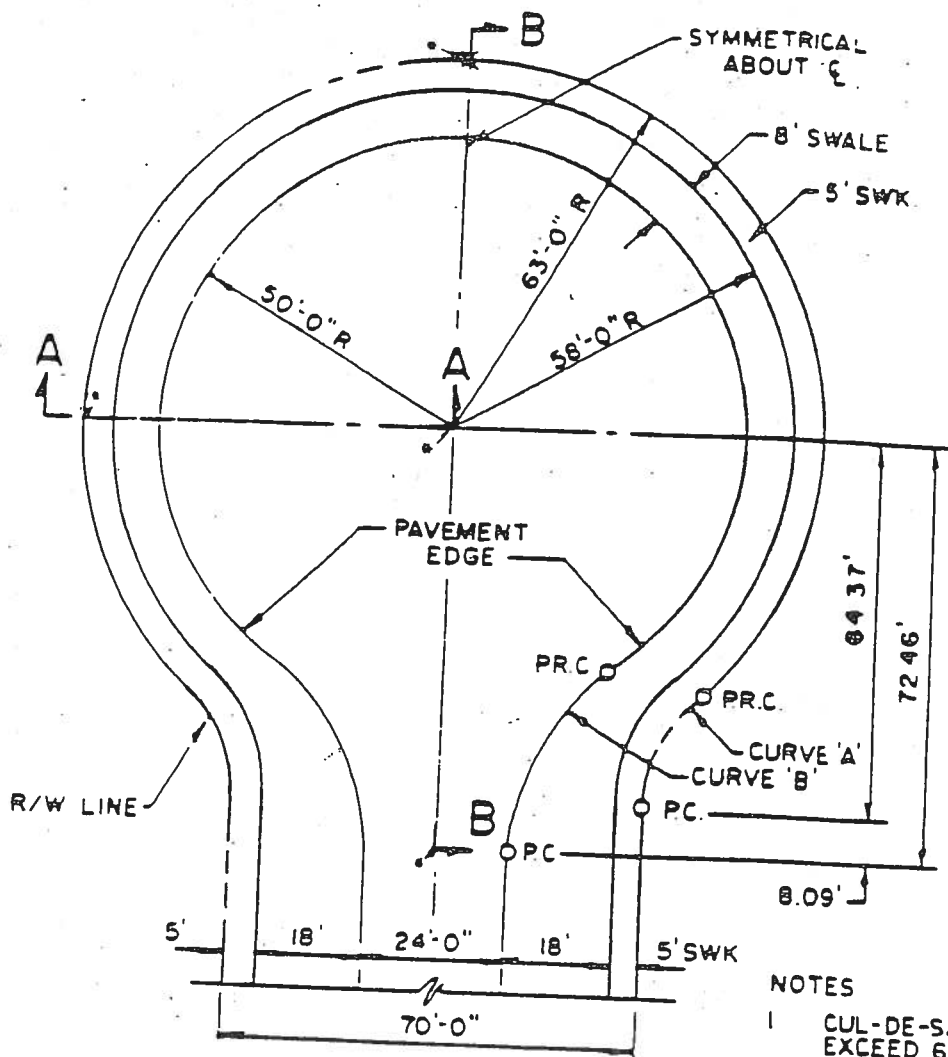
5/17/72

3/10/81

7/27 83

STANDARD ROAD DETAIL
CUL-DE-SAC
RESIDENTIAL
(SWALE)

R
11.1
SHEET 1 OF 3



CURVE DATA

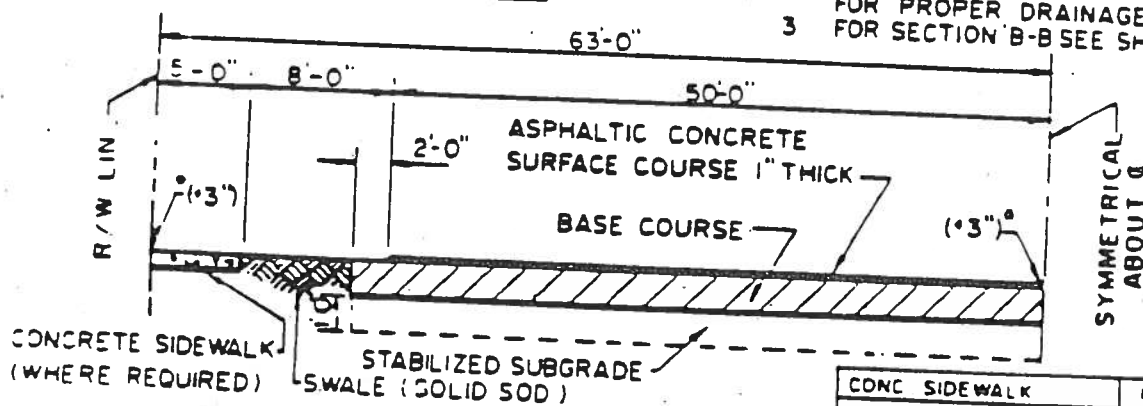
Δ = 47°00'-5"
 R = 25 00'
 L = 20.53'
 T = 10.87'

Δ = 55°22'-35.3"
 R = 38 00'
 L = 36.87'
 T = 20.01'

NOTES

1. CUL-DE-SAC STREETS NOT TO EXCEED 600' IN LENGTH
2. MAINTAIN MIN 2% SLOPE IN SWALE FOR PROPER DRAINAGE
3. FOR SECTION B-B SEE SHEET 3 OF 3

PLAN



SECTION A-A

ON PLAN REFERS TO THIS POINT (S)

CONC SIDEWALK	R-31	SEC 45
ASPHALTIC CONCRETE		SEC 133
BASE COURSE		SEC 91
STABILIZING		SEC 33
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

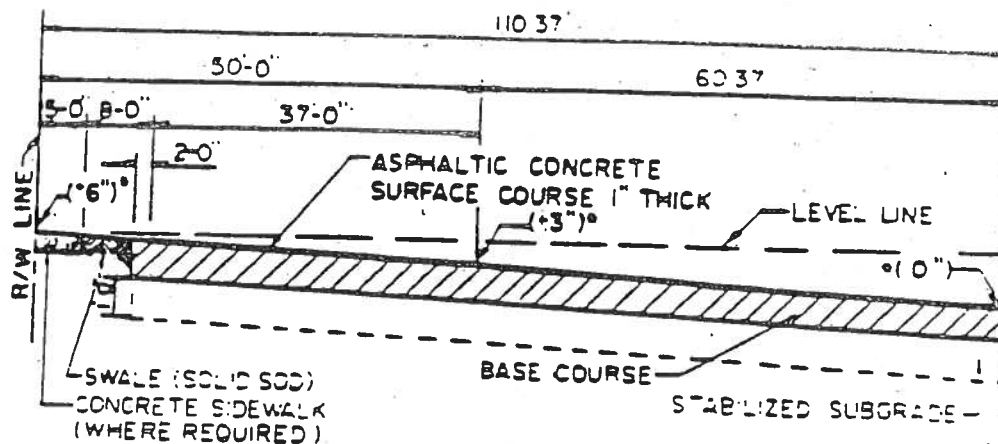
APPROVED
5/17/72

REVISED
3/10/81
7-27-83

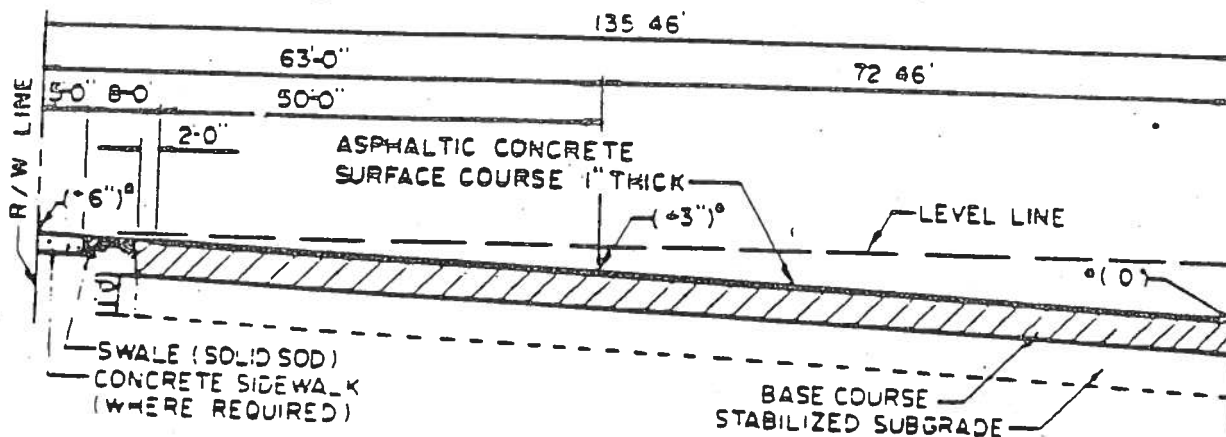
STANDARD ROAD DETAIL
CUL-DE-SAC
COMMERCIAL & INDUSTRIAL
(SWALE)

R
11.1

SHEET 2 OF 3



SECTION B-B
(SEE SHEET 1 OF 3)



SECTION B-B
(SEE SHEET 2 OF 3)

* LOCATION ON PLAN REFERS TO THIS POINT(S).

CONC SWK	R-13.1	SEC 143
ASPHALTIC CONC		SEC 133
BASE COURSE		SEC 133
STABILIZING		SEC 133
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
7/27/83

REVISED

STANDARD ROAD DETAIL
CUL-DE-SAC
RESIDENTIAL & COMMERCIAL
(SWALE)

R
11.1
SHEET 2 OF 3

* HIGH POINT
(SEE SHEET 3)

5' SIDEWALK

SYMMETRICAL
ABOUT C

A

50'-0" R
45'-0" R

PAVEMENT
EDGE

CURB AND GUTTER

NOTES

- 1 CUL-DE-SAC STREETS NOT TO EXCEED 600' IN LENGTH
- 2 MAINTAIN MIN 3% SLOPE ALONG GUTTER FOR PROPER DRAINAGE

R/W LINE

PRC

CURVE A (SEE DETAIL R-111)

PC

5'-0"

15'-0"

VERTICAL AND HORIZONTAL
TRANSITION TO STANDARD
ROAD SECTION

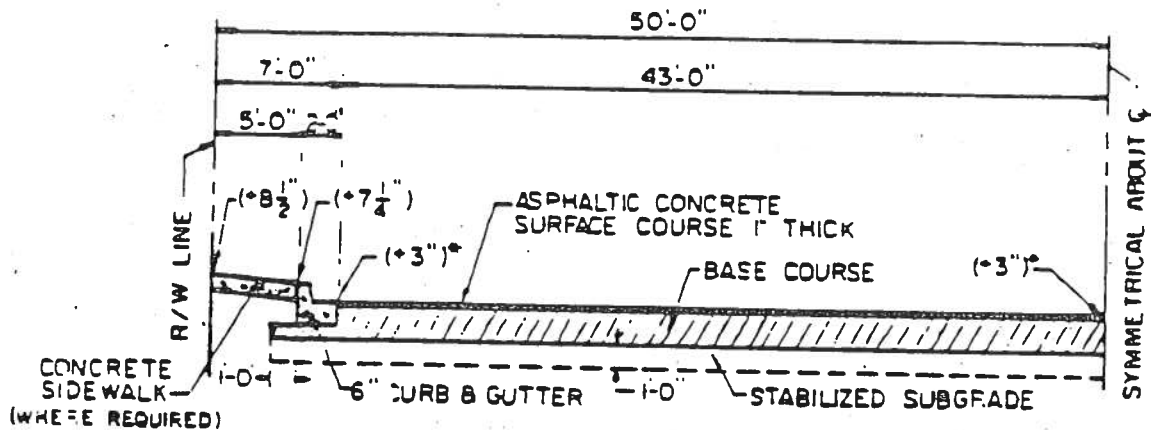
6' GRASS AREA (MIN)

24'-0"

50'-0" MIN

6' GRASS AREA (MIN)

PLAN



SECTION A-A

* LOCATION ON PLAN REFERS TO THIS POINT(S).

CURB & GUTTER	B-1	
CONC SIDEWALK	B-2	SEC 4
ASPHALTIC CONCRETE		SEC 9
BASE COURSE		SEC 9
ITEM	CROSS REF	SPEC REF

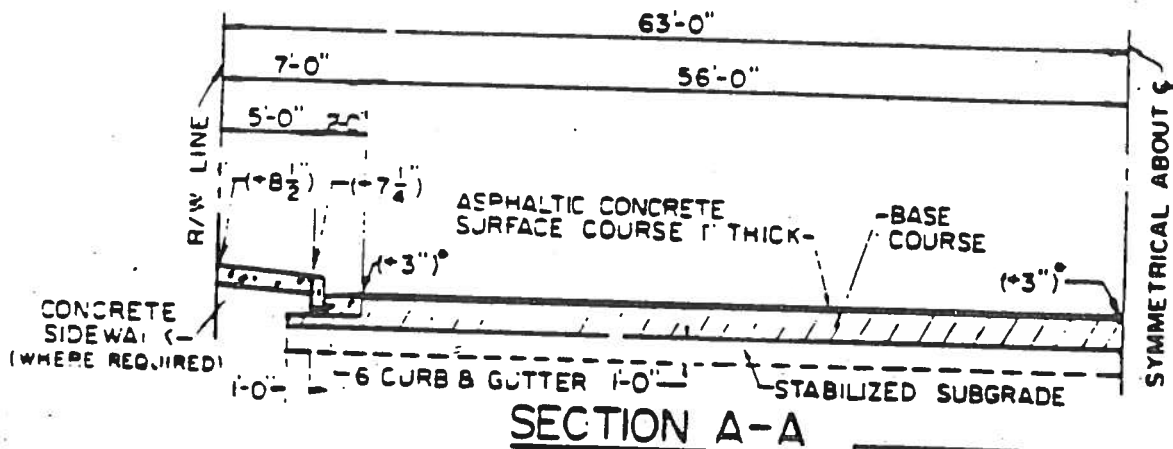
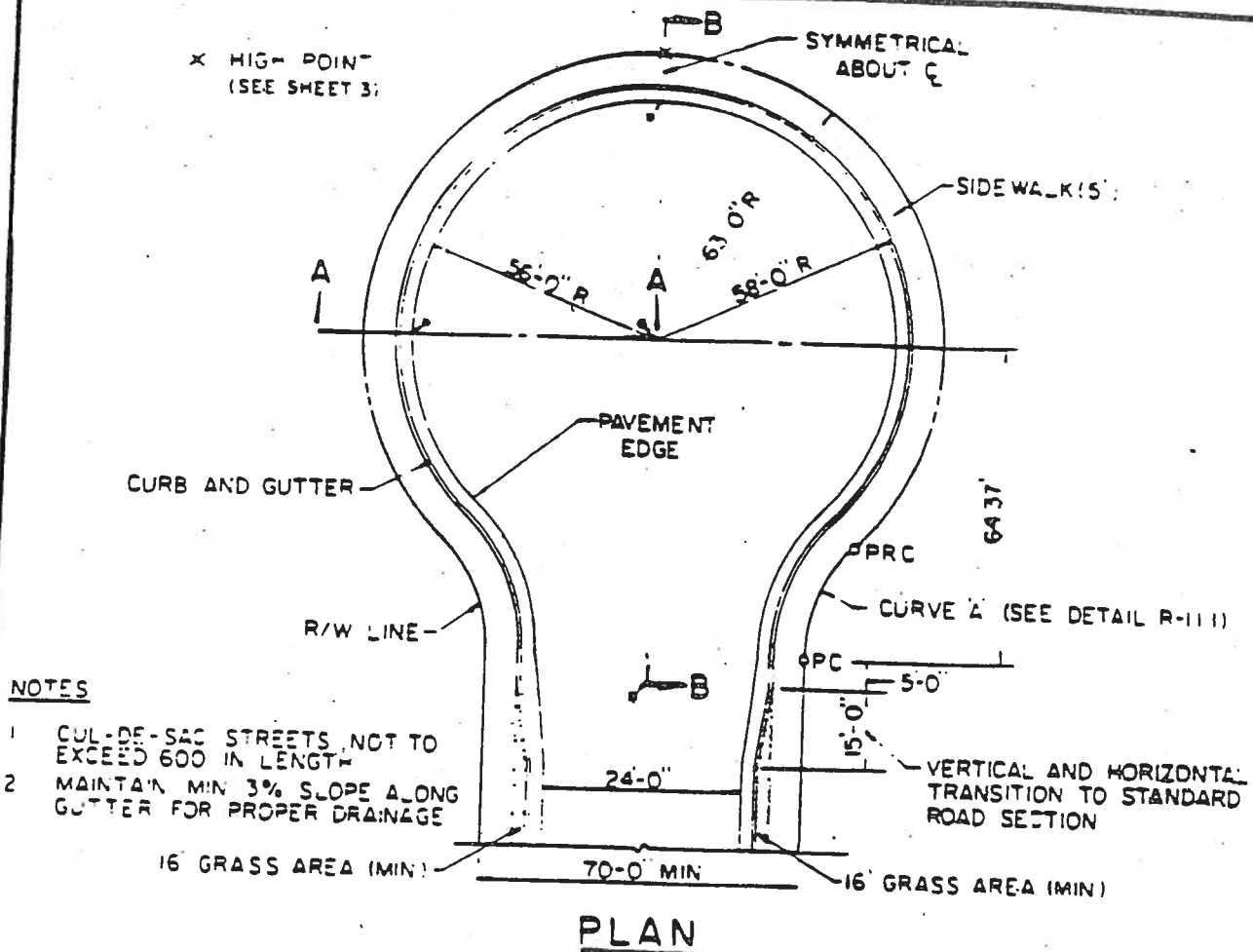
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/81

REVISED
7/20/83

STANDARD ROAD DETAIL
CUL-DE-SAC
RESIDENTIAL
(CURB AND GUTTER)

R
11.2
SHEET 1 OF 1



• LOCATION ON PLAN REFERS TO THIS POINT(S).

CURB & GUTTER	R-41	
CONC SIDEWALK	R-13	SEC 145
ASPHALTIC CONCRETE		SEC 132
BASE COURSE		SEC 9
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED:
5/17/72

REVISED

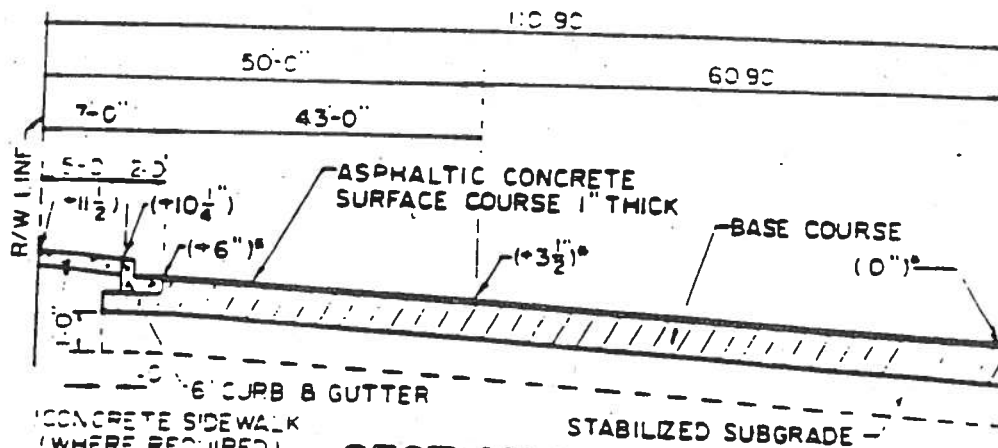
3/10/78

7/20/83

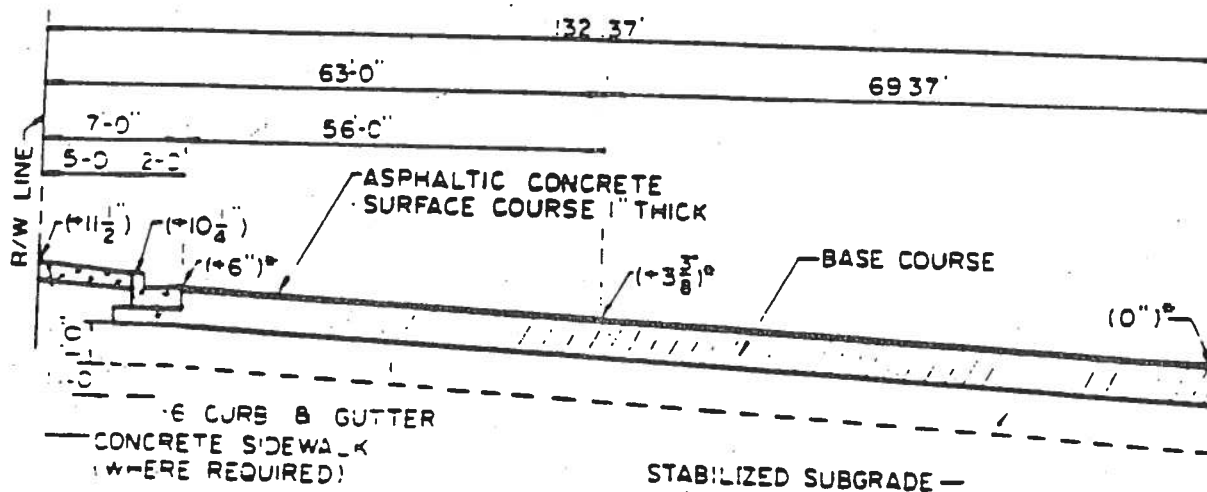
STANDARD ROAD DETAIL
CUL-DE-SAC
COMMERCIAL AND INDUSTRIAL
(CURB AND GUTTER)

R
11.2

SHEET 2 OF 3



SECTION B-B
(SEE SHEET 1 OF 3)



SECTION B-B
(SEE SHEET 2 OF 3)

• LOCATION ON PLAN REFERS TO THIS POINT(S)

STABILIZING		SEC 33
CURB & GUTTER	R-141	
CONC SIDEWALK	R-131	SEC 145
ASPHALTIC CONC		SEC 133
BASE COURSE		SEC 51
ITEM	CROSS REF	SPEC REF

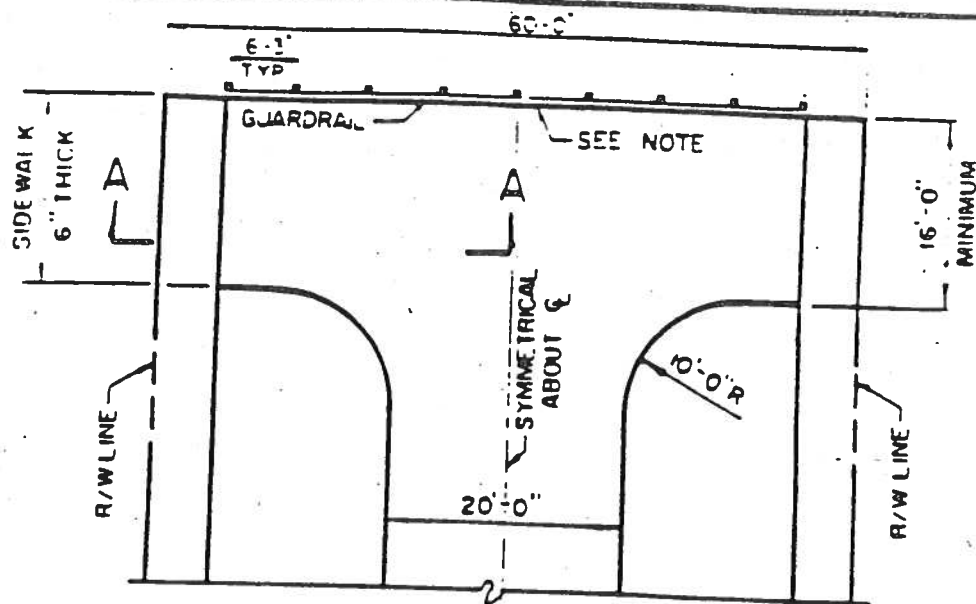
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
7/27/83

REVISED

STANDARD ROAD DETAIL
CUL-DE-SAC
COMMERCIAL AND INDUSTRIAL
(CURB AND GUTTER)

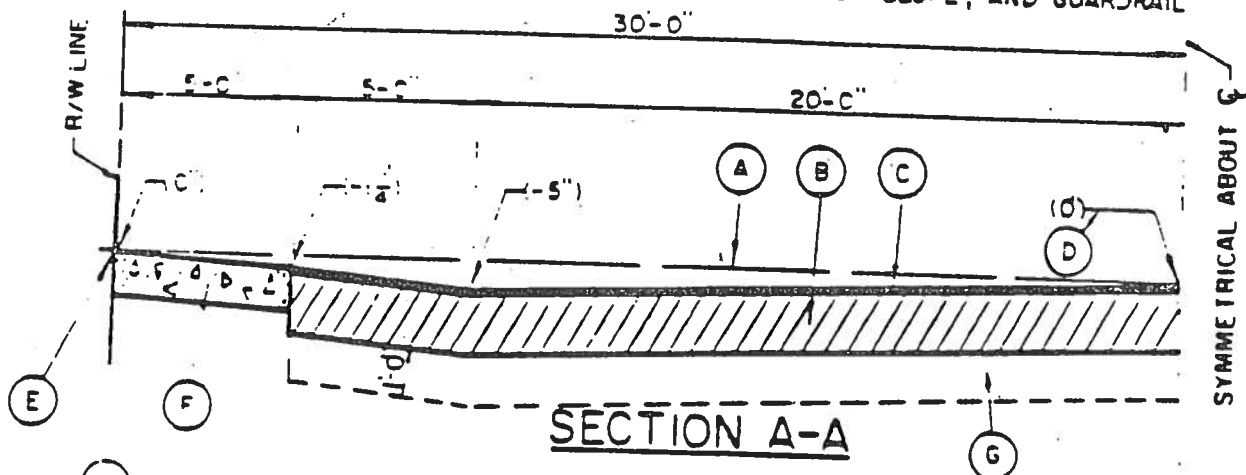
R
11.2
SHEET 3 OF 3



PLAN

NOTE

WHERE R/W DEDICATION IS NOT CONTINUOUS, PROVIDE SUFFICIENT SET-BACK TO ACCOMMODATE FILL OR CUT SLOPE, AND GUARDRAIL



- (A) LEVEL LINE
- (B) BASE COURSE, PRIMED ENTIRE WIDTH
- (C) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (D) OFFSET FROM LEVEL LINE
- (E) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (F) CONCRETE SIDEWALK WHERE REQUIRED (6" THICK)
- (G) STABILIZED SUBGRADE

GUARDRAIL	R 202	
CONC SIDEWALK	R-3	SEC 01
ASPHALTIC CONCRETE		SEC 33
BASE COURSE		SEC 5-34
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5 E

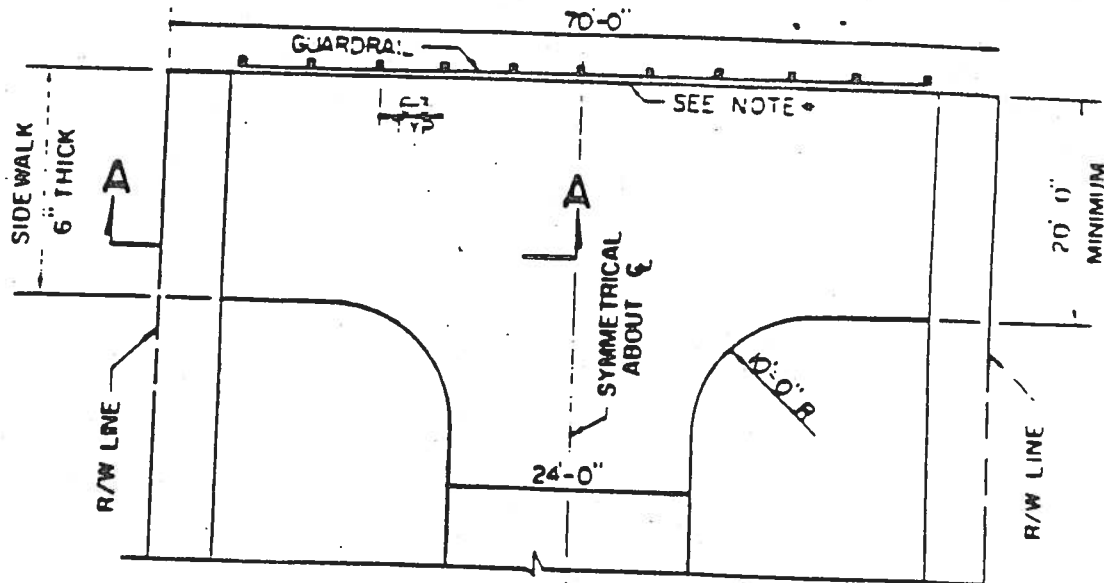
REVISED
6/5 E

STANDARD ROAD DETAIL

T-TURNAROUND
60' R/W
(RESIDENTIAL)

R
11.4

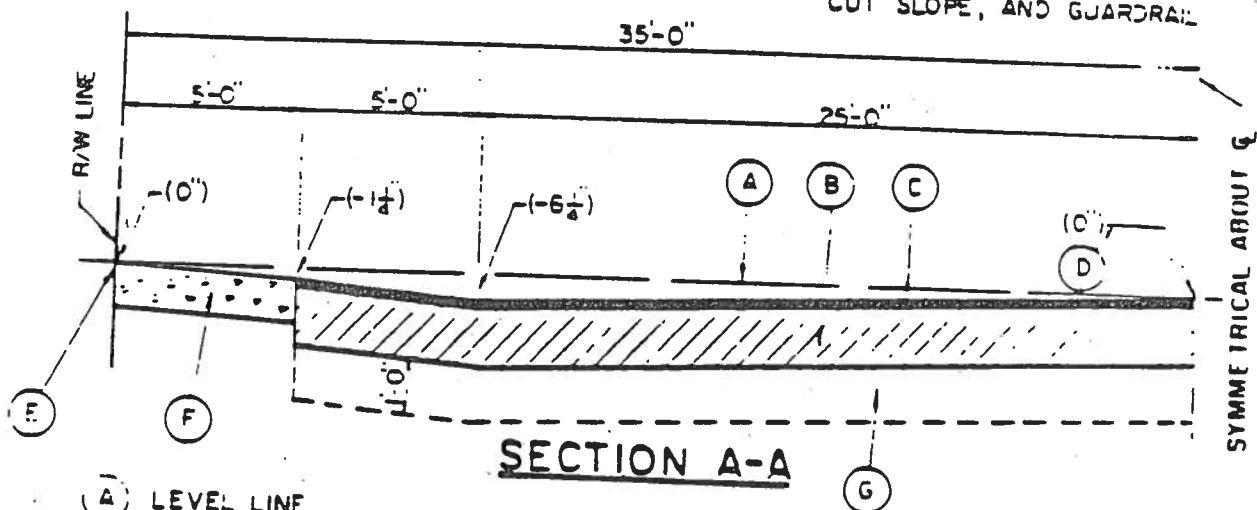
SHEET 1 OF 2



PLAN

NOTE

WHERE R/W DEDICATION IS NOT CONTINUOUS, PROVIDE SUFFICIENT SET-BACK TO ACCOMMODATE FILL OR CUT SLOPE, AND GUARDRAIL



SECTION A-A

- (A) LEVEL LINE
- (B) BASE COURSE, PRIMED ENTIRE WIDTH
- (C) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK
- (D) OFFSET FROM LEVEL LINE
- (E) RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- (F) CONCRETE SIDEWALK WHERE REQUIRED (6" THICK)
- (G) STABILIZED SUBGRADE

NOTE

THIS DETAIL APPLIES IN AREAS WHERE THERE IS LIGHT COMMERCIAL INDUSTRY ONLY.

GUARDRAIL	6-00	
CONC SIDEWALK	6-00	SEC 41
ASPHALTIC CONCRETE		SEC 33
BASE COURSE		SEC 3
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

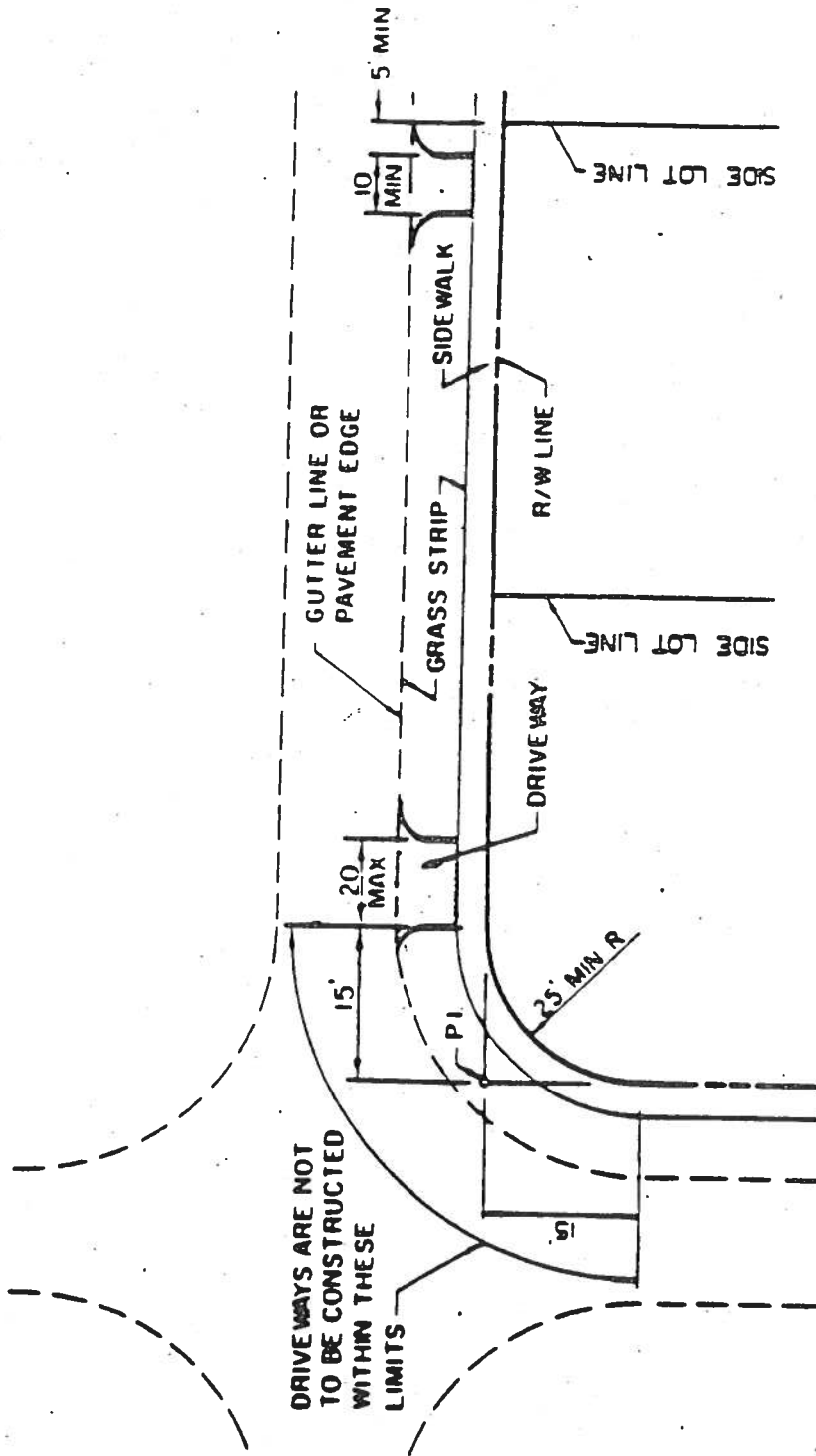
APPROVED
6/5/61

REVISED
8/5/83

STANDARD ROAD DETAIL
T-TURNAROUND
70' R/W
(COMMERCIAL & INDUSTRIAL)

R
11.4

5-57 2-57 2



NOTES:

1. THE LIMITS WITHIN WHICH DRIVEWAYS MAY NOT BE CONSTRUCTED ARE DETERMINED BY MEASURING FROM THE P I OF R/W LINES A DISTANCE OF 15' ALONG THE R/W LINE CURVE TANGENTS.
2. ALL DRIVEWAYS MUST BE CONSTRUCTED SO THAT NO PART OF THE DRIVEWAY (EXCLUDING THE TRANSITION) BETWEEN THE EDGE OF ROADWAY PAVEMENT AND THE R/W LINE IS CLOSER THAN 5' FROM A SIDE LOT LINE EXTENDED.

CONC DRIVEWAY	R-12.6		
ASPHALT DRIVEWAY	R-12.3		
ITEM	CROSS REF	SPEC REF	

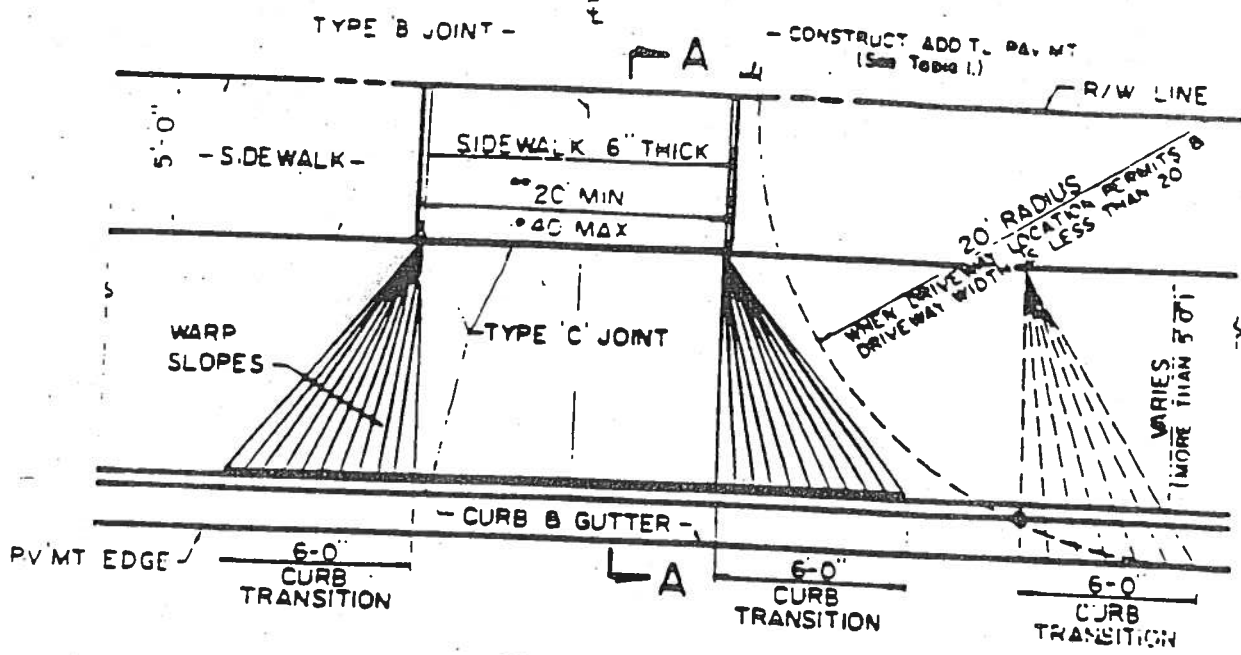
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/6

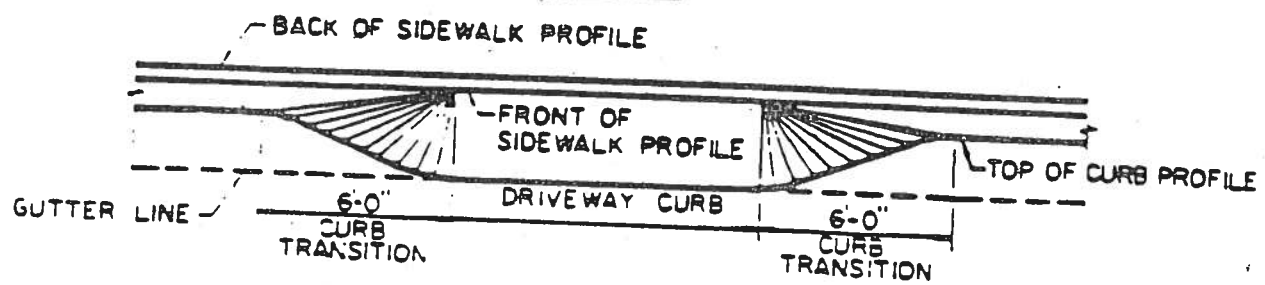
REVISED
5/17/72
6/4/80

**STANDARD ROAD DETAIL
RESIDENTIAL DRIVEWAY
SPACING**

**R
12.1**

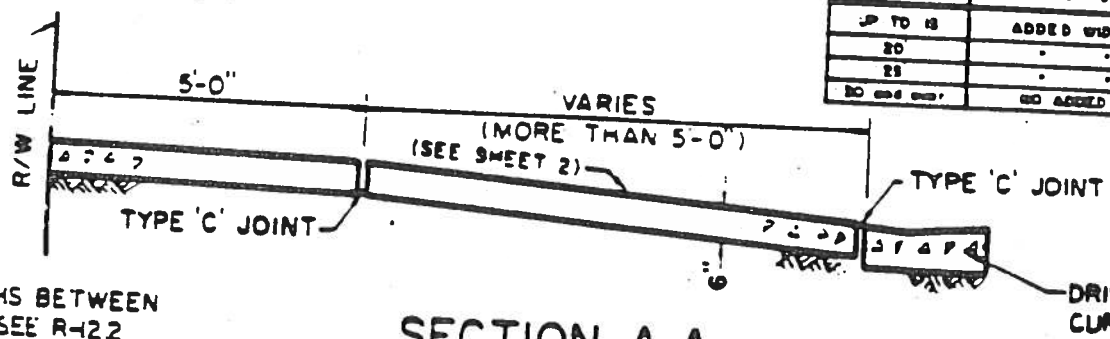


PLAN



PROFILE

10' MIN MAY BE USED FOR RESIDENTIAL AREAS ZONED RU-TH OR LESS DENSITY.



SECTION A-A

FOR WIDTHS BETWEEN 40 & 60' SEE R-422

NOTE SPACE JOINTS IN ACCORDANCE WITH STD DETAIL R-131

TABLE I

DRIVEWAY WIDTH	ADD'L 6" CONC SWK (APPROACH SIDE ONLY)
UP TO 18	ADDED WIDTH = 18
20	" " " 18
22	" " " 18
24 AND OVER	NO ADDED WIDTH

DRIVEWAY CURB	R-14.1	
CURB & GUTTER	R-10.1	
CONC SIDEWALK	R-13.1	SEC 145
ITEM	CROSS REF	SPEC. REF

METROPOLITAN
COUNTY
PUBLIC WORKS
DEPARTMENT

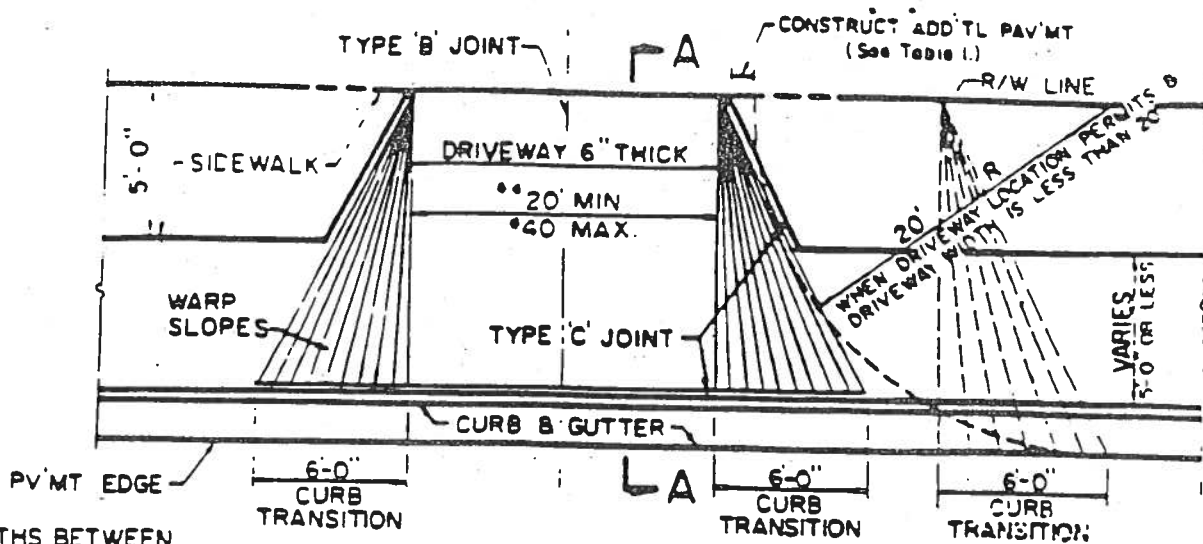
APPROVED
6/5/86

REVISED
4/5/76
9/22/86

STANDARD ROAD DETAIL
CONCRETE DRIVEWAY

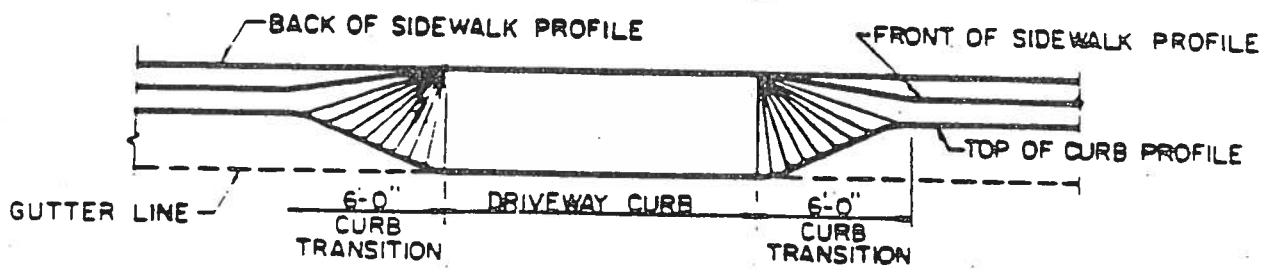
R
12.6

SHEET 1 OF 2



PLAN

* FOR WIDTHS BETWEEN 40' & 60' SEE R-12.2 SPACE JOINTS IN ACCORDANCE WITH STD. DETAIL R-13.1.

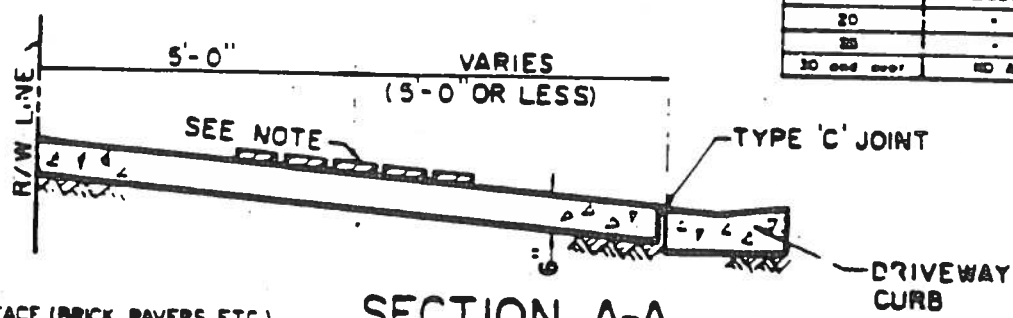


PROFILE

** 10' MIN MAY BE USED FOR RESIDENTIAL AREAS ZONED R-U-TM OR LESS DENSITY

TABLE I

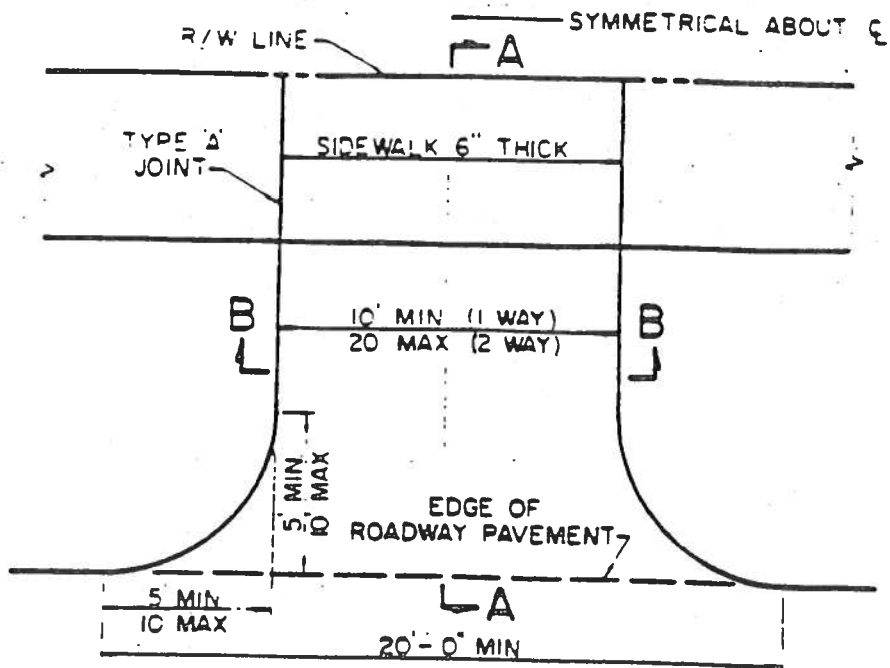
DRIVEWAY WIDTH	ADD'L 6 CONC SWK (APPROACH SIDE ONLY)
UP TO 15	ADDED WIDTH = 15
20	" " " 10
25	" " " 5
30 and over	NO ADDED WIDTH



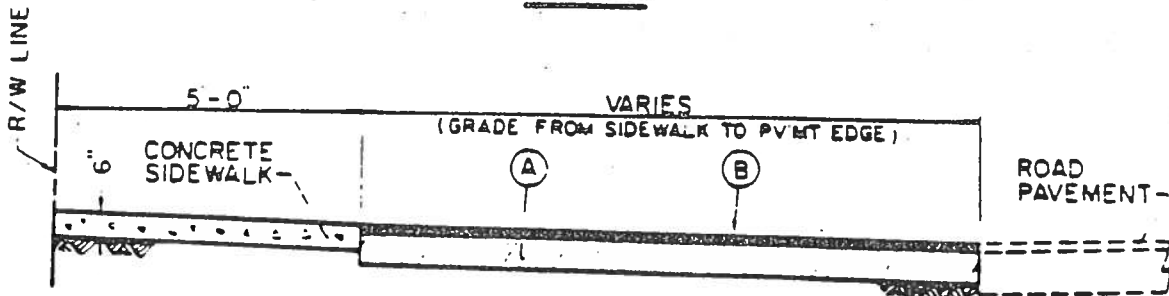
SECTION A-A

NOTE
 DECORATIVE SURFACE (BRICK, PAVERS, ETC) WILL BE PERMITTED WHEN INSTALLED ON CONCRETE SLAB (3,000 P.S.I. MIN.), 6" THICK IMBED IN CONCRETE OR ATTACH FIRMLY TO SLAB BY GROUTING, EPOXY OR OTHER MEANS TEXTURED OR IMPRINTED CONCRETE SURFACES WILL ALSO BE PERMITTED

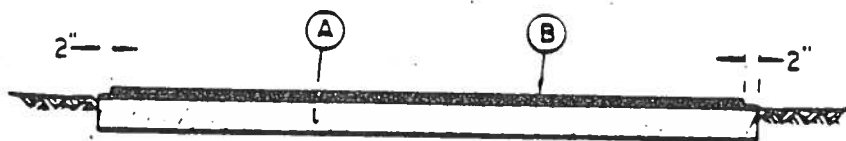
DRIVEWAY CURB	R-141	
CURB & GUTTER	R-141	
CONC SIDEWALK	R-131	SEC 149
ITEM	CROSS REF	SPEC. REF



PLAN



SECTION A-A



SECTION B-B

- (A) BASE COURSE 6" THICK
- (B) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK

C BASIN LOCATION	SD 24	
WATER CONTROL		SEC D-4
DRIVEWAY SPACING	R-12 2	
CONCRETE SIDEWALK	R-13	SEC 143
ASPHALTIC CONCRETE		SEC 133
BASE COURSE		SEC 5-54
ITEM	CROSS REF	SPEC REF

METROPOLITAN
ADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

6/5/61

REVISED

3/2/8

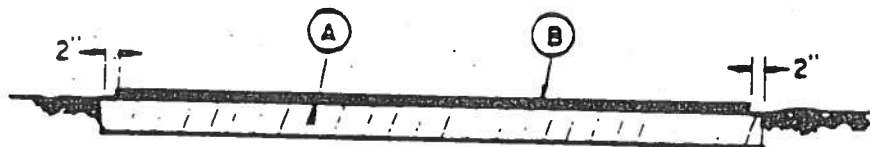
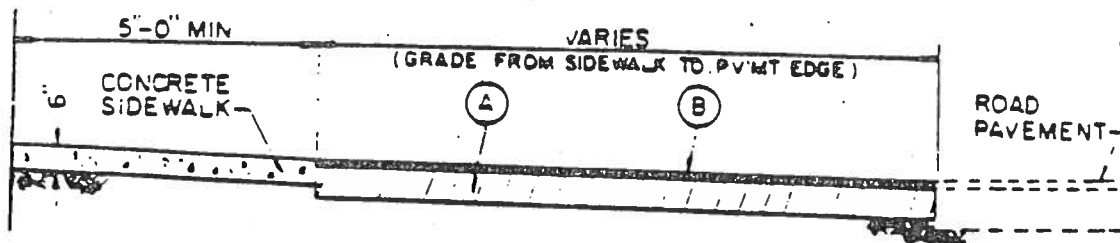
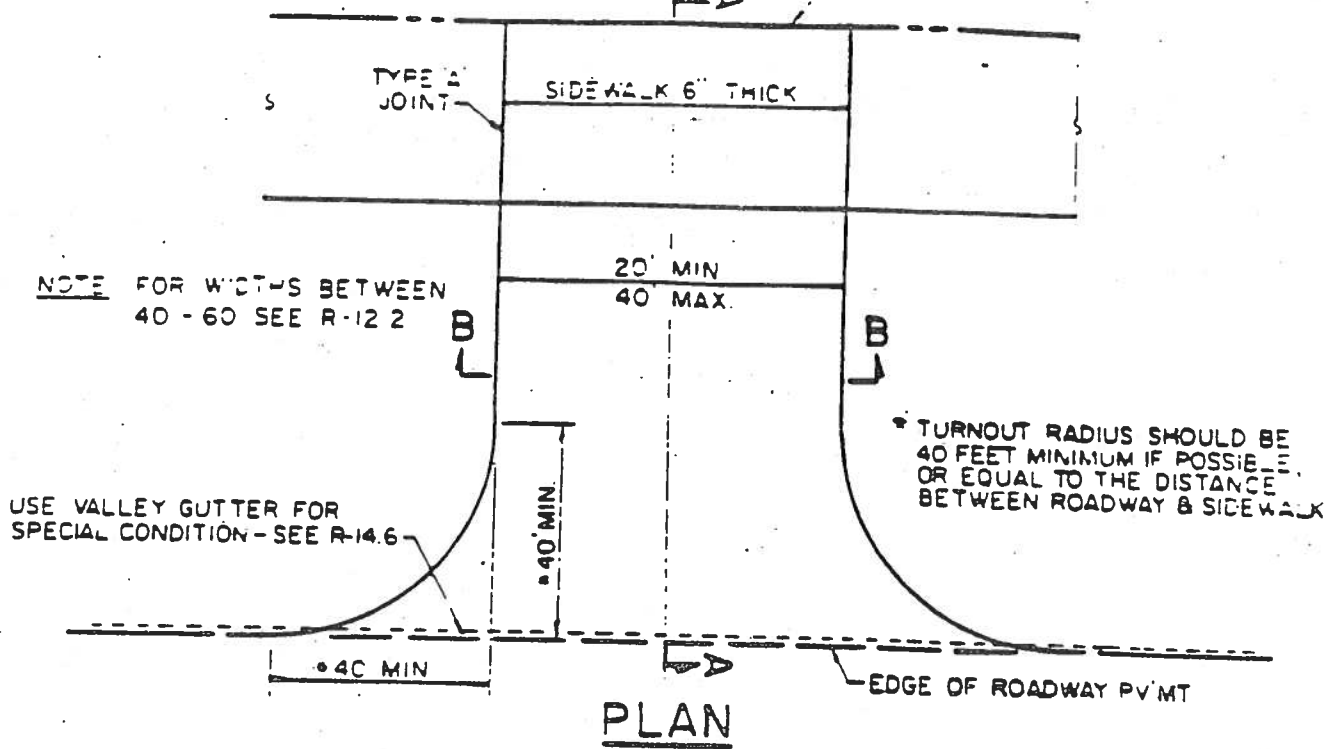
6/4/86

STANDARD ROAD DETAIL
ASPHALT DRIVEWAY
RESIDENTIAL

R
12.3

SHEET 1 OF 1

SYMMETRICAL ABOUT C ——— R/W LINE



- (A) BASE COURSE 6" THICK
- (B) ASPHALTIC CONCRETE SURFACE COURSE 1" THICK

DRIVEWAY SPACING	R-12.2	
CONCRETE SIDEWALK	R-13.1	SEC 145
ASPHALTIC CONCRETE		SEC 133
BASE COURSE		SEC 9-94
ITEM	CROSS REF.	SPEC. REF.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

6/5/86

REVISED

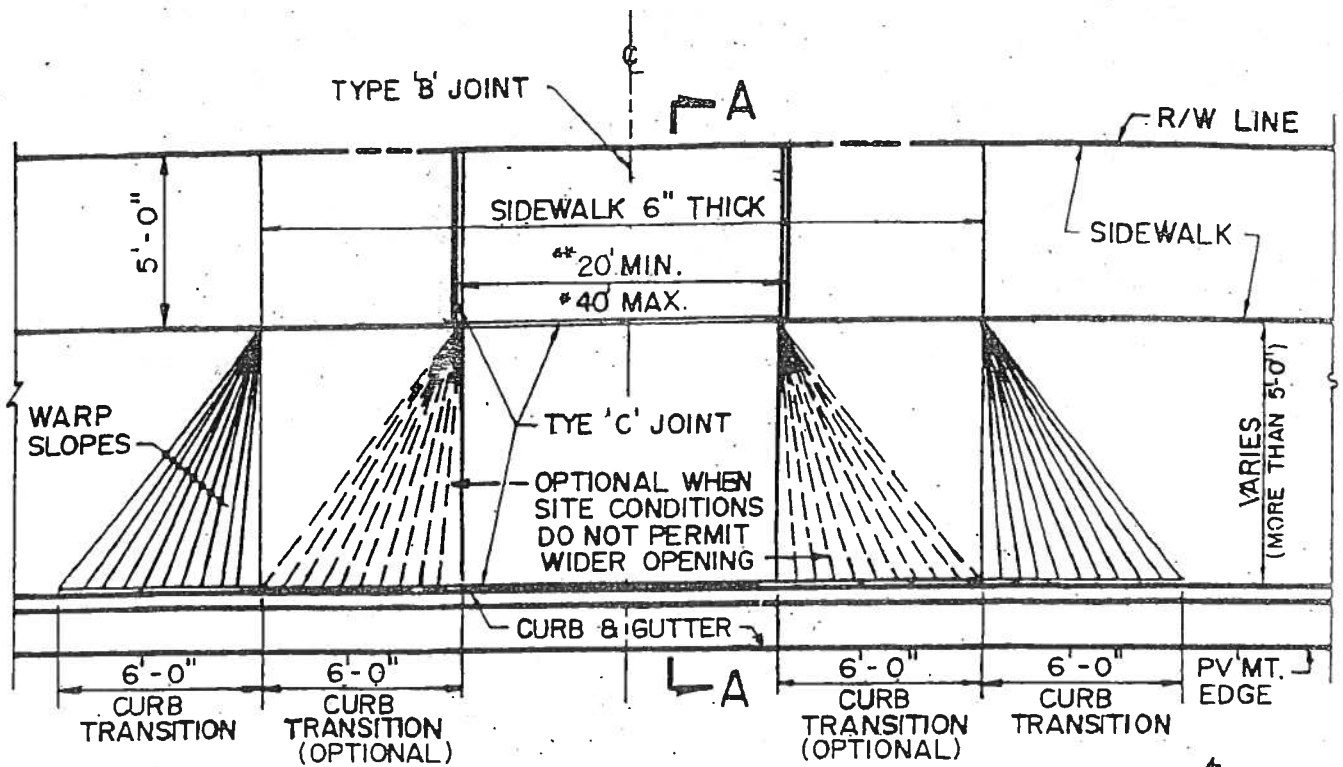
1/29/81

6/4/86

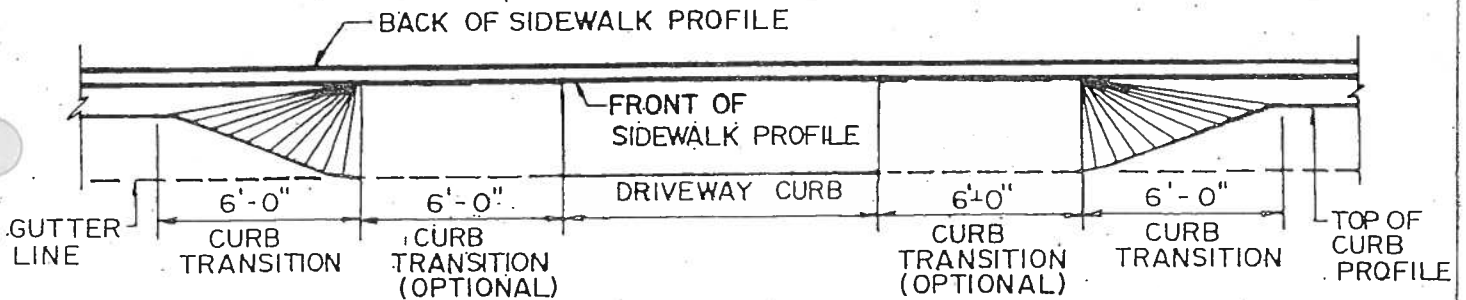
STANDARD ROAD DETAIL
ASPHALT DRIVEWAY
COMMERCIAL

R
12.5

SHEET 1 OF 1



PLAN

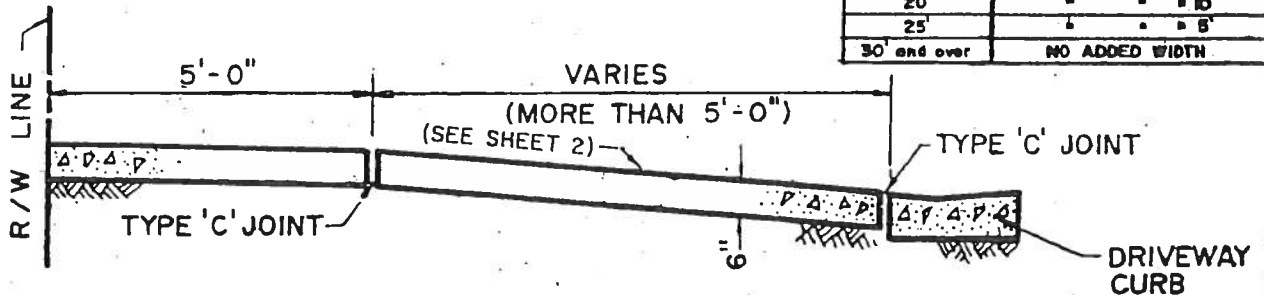


PROFILE

** 10' MIN. MAY BE USED FOR RESIDENTIAL AREAS ZONED RU-TH OR LESS DENSITY.

TABLE I.

DRIVEWAY WIDTH	ADD'TL 6" CONC. SWK (APPROACH SIDE ONLY)
UP TO 15'	ADDED WIDTH = 15'
20'	" " " 10'
25'	" " " 8'
30' and over	NO ADDED WIDTH



SECTION A-A

* FOR WIDTHS BETWEEN 40' & 60' SEE R-12.2

NOTE: SPACE JOINTS IN ACCORDANCE WITH STD. DETAIL R-13.1

DRIVEWAY CURB	R-14.1	
CURB & GUTTER	R-14.1	
CONC. SIDEWALK	R-13.1	SEC. 14.6
ITEM	CROSS REF.	SPEC. REF.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/61

REVISED
4/5/74
9/22/86
2/9/99

STANDARD ROAD DETAIL
CONCRETE DRIVEWAY

R
12.6

SHEET 1 OF 2

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/6

REVISED
5/17/72
2/22/77
6/4/86

STANDARD ROAD DETAIL
SIDEWALK CONSTRUCTION

SHEET 1 OF 1

R
13.1

ST INTERSECTION C & G
CONC SIDEWALK

ITEM

CROSS
REF

SEC 145

SPEC
REF

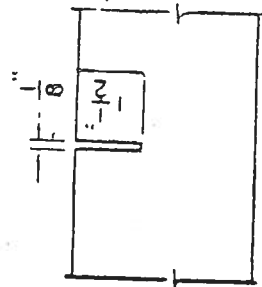
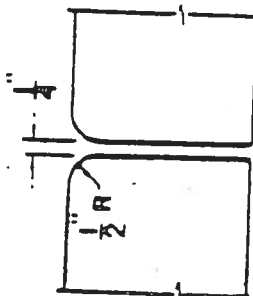
AT THE DISCRETION
OF THE ENGINEER

TABLE OF SIDEWALK
THICKNESS - 'T'

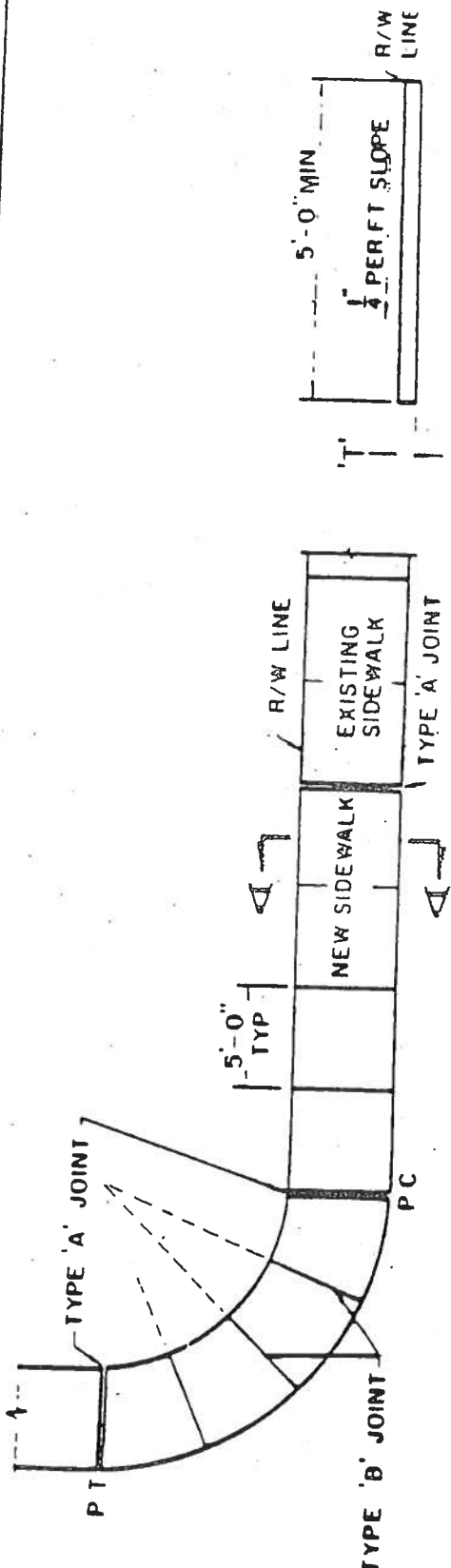
LOCATION	T
RESIDENTIAL AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

SIDEWALK JOINTS

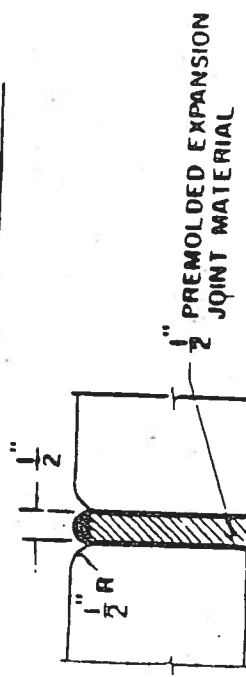
TYPE 'A'	TYPE 'B'
(OPEN TYPE JOINTS)	(SAWED JOINTS)



PLAN



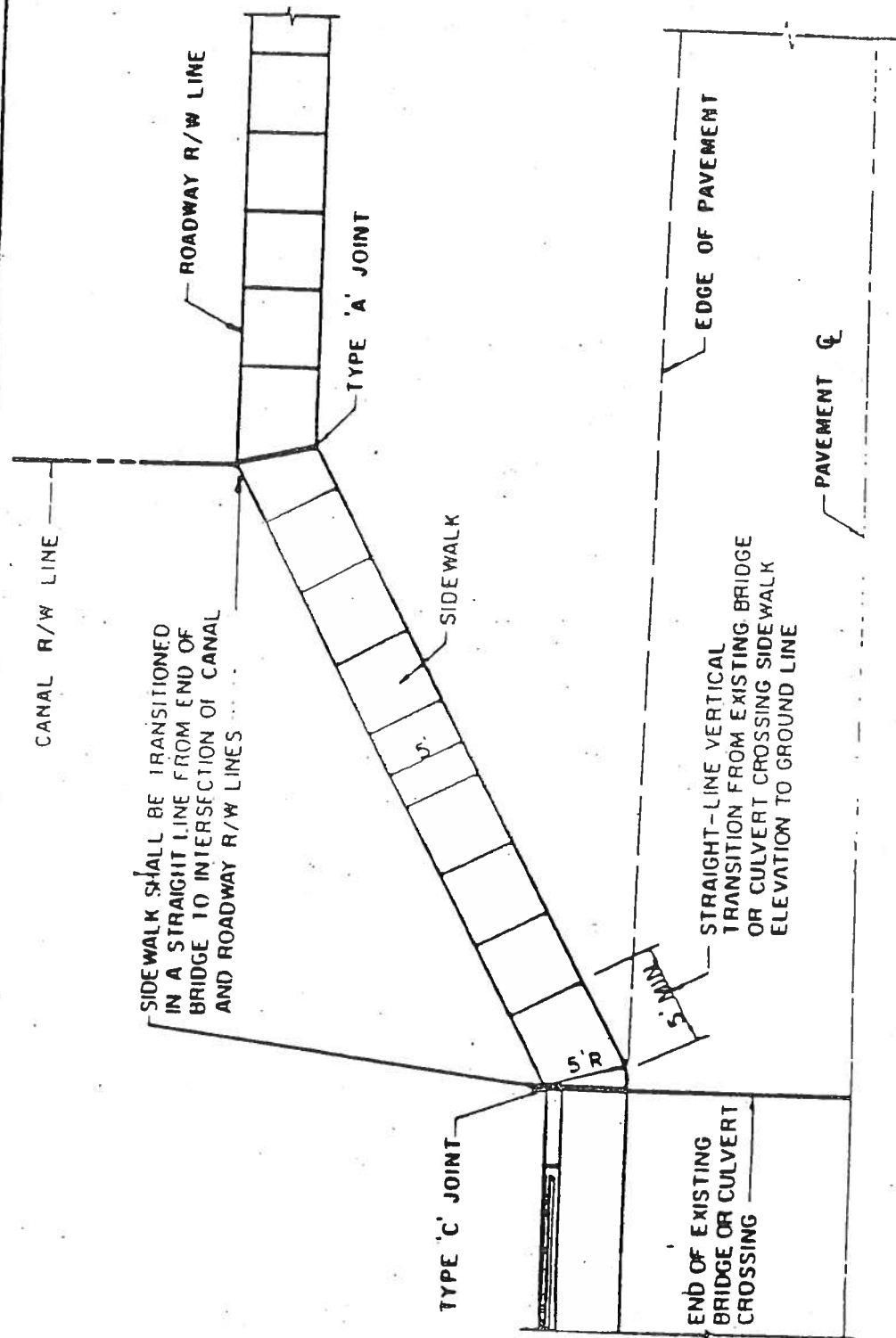
SECTION A-A



TYPE 'C'
(EXPANSION JOINTS)

TABLE OF SIDEWALK JOINTS

TYPE	LOCATION
'A'	PC AND PT OF CURVES JUNCTION OF EXISTING AND NEW SIDEWALKS
'B'	5'-0" CENTER TO CENTER ON SIDEWALKS
'C'	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES



NOTE FOR NEW CROSSING CONSTRUCTION, SEE APPROPRIATE BRIDGE & CULVERT SECTION STANDARD DE TAIL

SIDEWALK CONST	R-13.1	SEC 145
ITEM	CROSS REF	SPEC. REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

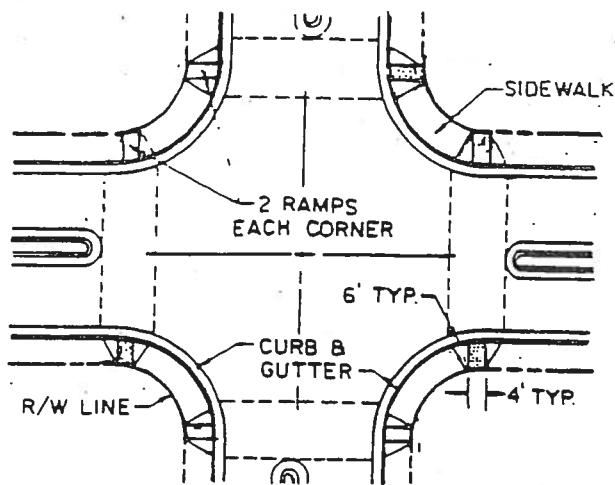
APPROVED
6/5/6

REVISED
5/17/72
3/12/77

STANDARD ROAD DETAIL
STANDARD SIDEWALK
TRANSITION

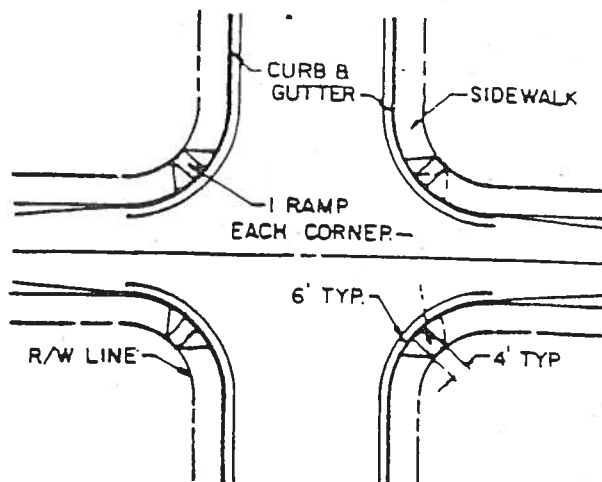
R
13.2

SHEET 1 OF 1



**2 MAJOR ROADWAYS
(CURB & GUTTER)**

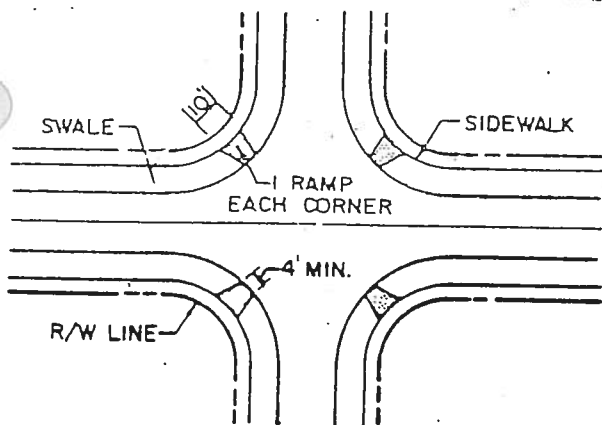
REF: Sec. 2a (1)(a)*



**LOCAL ROADWAY OR ENTRANCE
TO MAJOR SHOPPING CENTER
(CURB & GUTTER)**

REF: Sec. 2a (1)(b)*

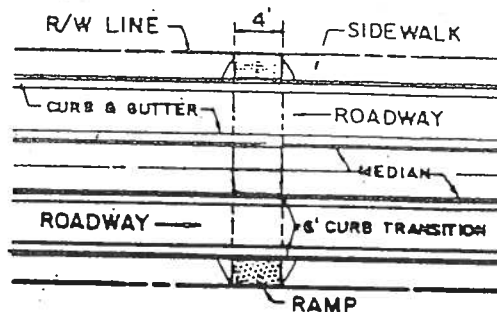
ROADWAY INTERSECTIONS



(RESIDENTIAL ROADWAYS)

**2 MAJOR ROADS, LOCAL & MAJOR
ROADWAY, & 2 LOCAL ROADWAYS
(SWALE)****

REF: Sec. 2b (1)*



**MID-BLOCK AT NORMAL
PEDESTRIAN CROSSING
(SWALE or CURB & GUTTER)****

REF: Sec. 2a (2)*

** Alternate asph. conc. sidewalk ramp (same thickness), may be used as approved by Director of Public Works Department.

* For all references, see Dade County Public Works Department "Policy on pedestrian ramps in Public Rights-of-Way".

NOTES

1. Max. slope of ramps = 12:1 (for sidewalk widths greater than or equal to 6'-0").

2. Ramps may be 4" thick in residential areas.

3. Colors: All pedestrian ramps shall contrast visually with adjoining sidewalk surfaces. (i.e., locations within Dade Co. and outside of Coral Gables shall be integral colored "Coral Gables Beige".) Pedestrian ramps within Coral Gables, Miami Beach, and Key Biscayne shall have no color additive. All other construction (i.e., sidewalk, connections, etc.) shall match the adjoining sidewalk color.

CURB & GUTTER	R 15.2	
ASPH. CONC. S. COURSE		SEC. 133
CONC. DRIVEWAY	R 12.6	
CONC. SIDEWALK	R-13.1	SEC. 145
ITEM	CROSS REF.	SPEC. REF.

METROPOLITAN
DADE COUNTY

APPROVED

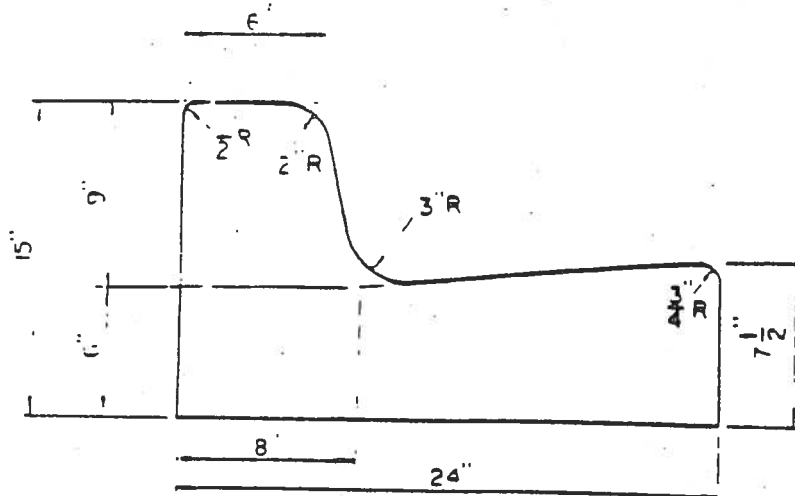
REVISED

4/5/74

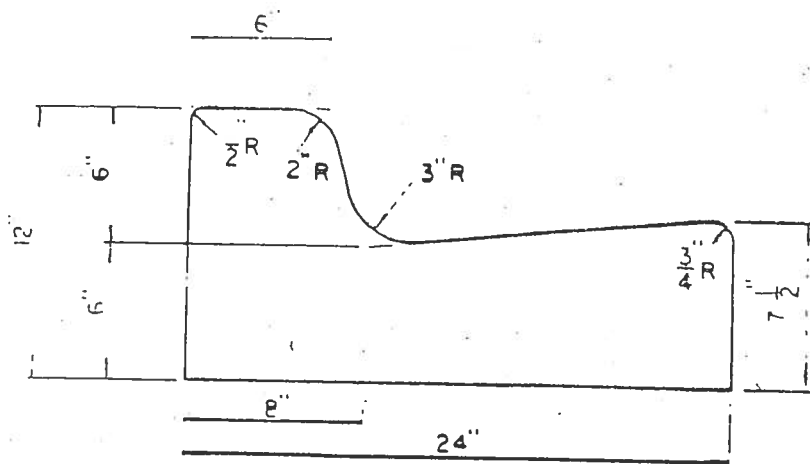
STANDARD ROAD DETAIL

PEDESTRIAN RAMPS

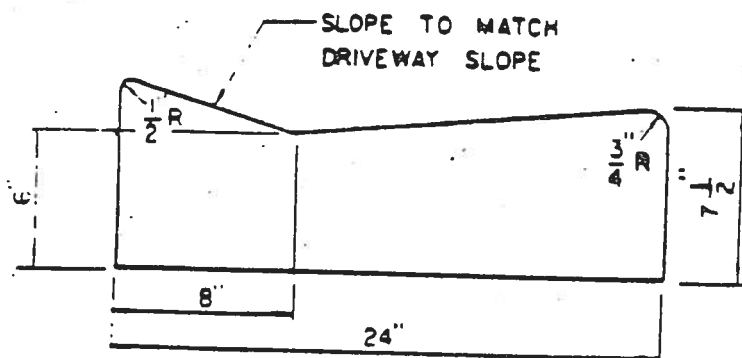
R



9" CURB AND GUTTER



6" CURB AND GUTTER
(TYPE F)



DRIVEWAY CURB

PYMT ENDINGS	R-22.1	
DRIVEWAY CURB		
CURB & GUTTER		
ITEM	CROSS REF.	SPEC. REF.

TROPOLITAN
ADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/6'

REVISED

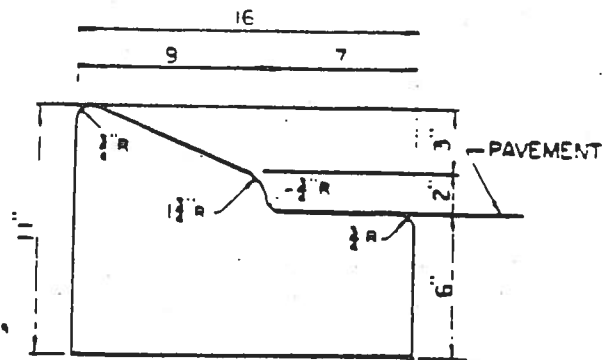
6-4-85

3/10/8

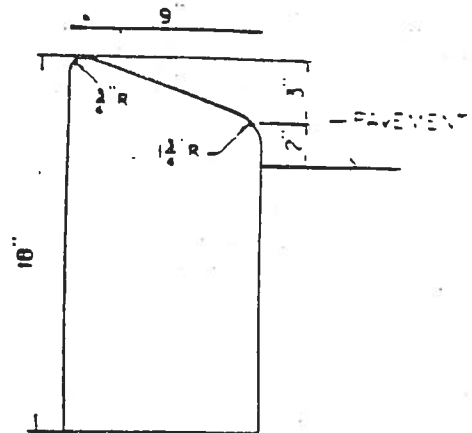
STANDARD ROAD DETAIL
CURB AND GUTTER
SECTIONS

R
14.1

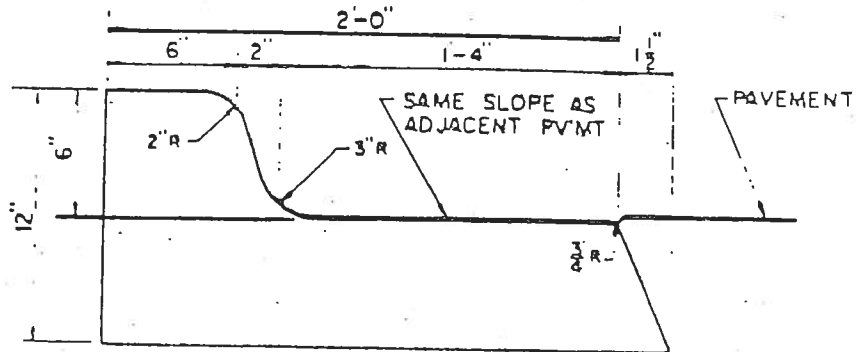
SHEET 1 OF 1



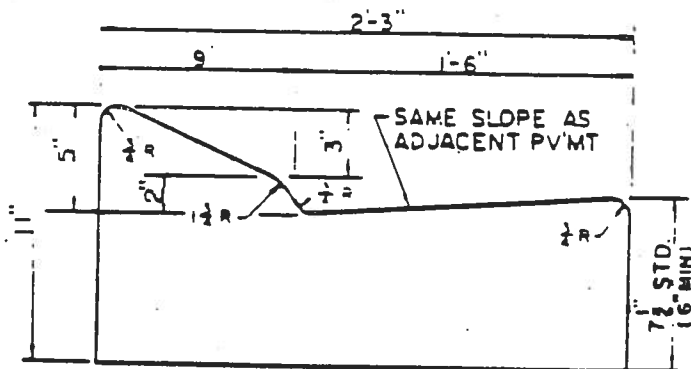
TYPE 'A' MEDIAN CURB



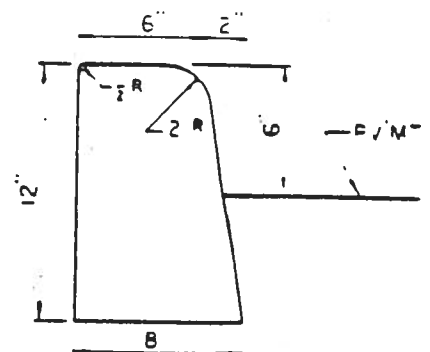
TYPE 'B' MEDIAN CURB



TYPE 'C' MEDIAN CURB



TYPE 'E' MEDIAN CURB & GUTTER



TYPE 'D' MEDIAN CURB

PAVEMENT ENDINGS	R-22	
MEDIAN CURB		
STRAIGHT CURB		
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

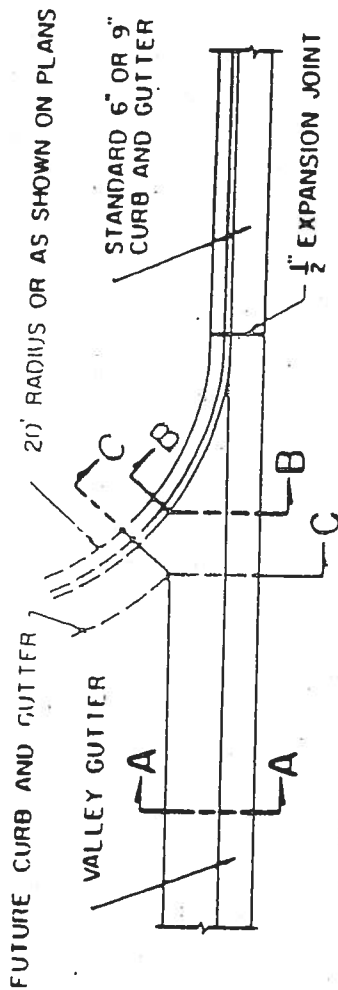
APPROVED
6/5/6

REVISED
8/3/66
3/10/8
4/2/82

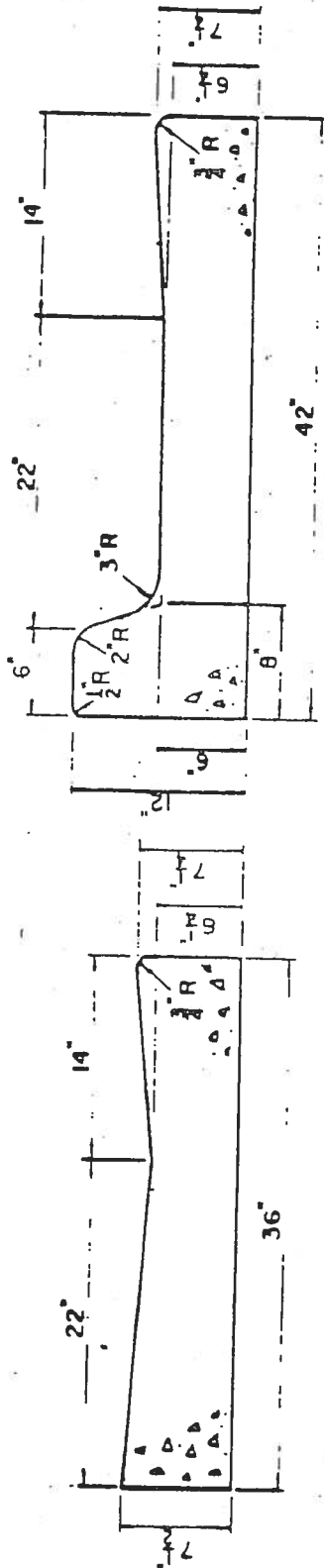
STANDARD ROAD DETAIL
CURB SECTIONS

R
14.2

SHEET OF

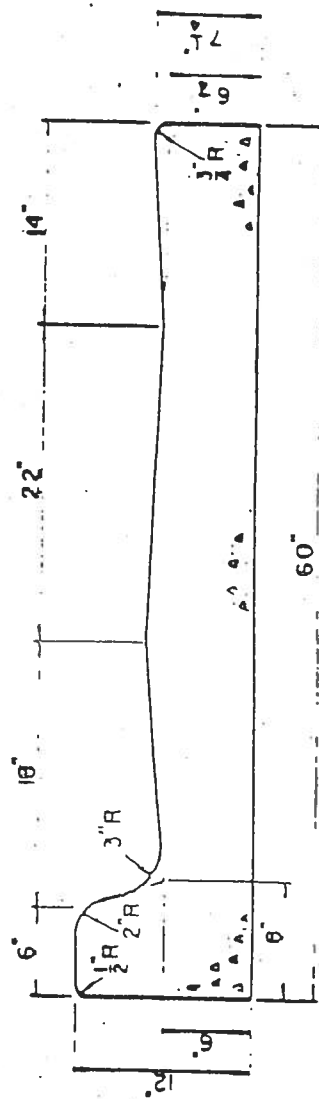


PLAN



SECTION A-A

SECTION B-B



SECTION C-C

ITEM	CROSS REF.	SPEC REF.

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

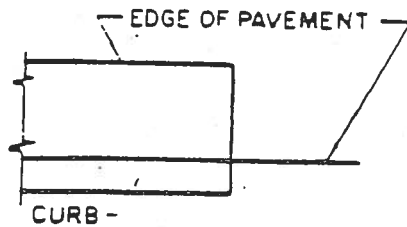
APPROVED
6/5/6

REVISED

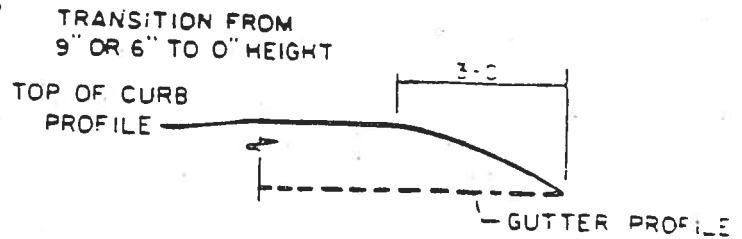
STANDARD ROAD DETAIL
VALLEY GUTTER

R
14.3

SHEET 1 OF 1

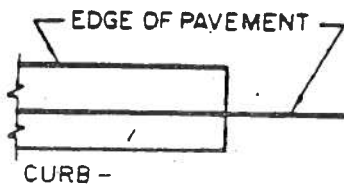


PLAN

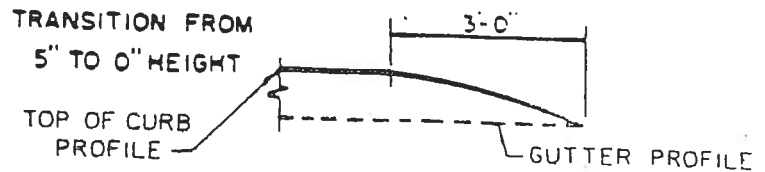


PROFILE

DETAIL OF STANDARD CURB ENDING FOR
6" AND 9" CURB

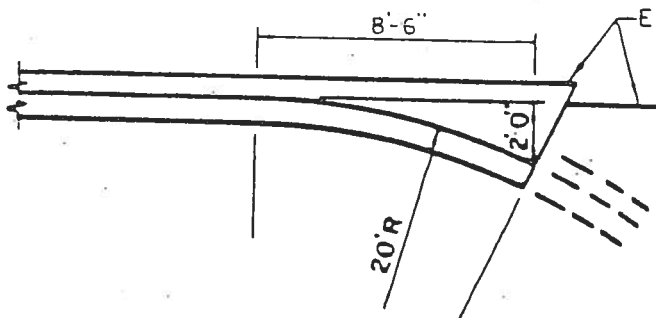


PLAN

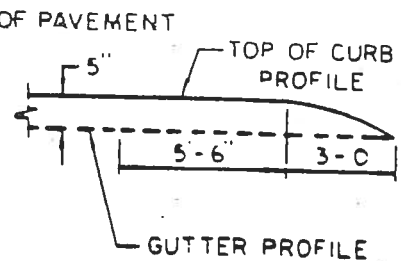


PROFILE

DETAIL OF STANDARD CURB ENDING FOR
TYPE 'A' AND 'B' MEDIAN CURB



PLAN



PROFILE

DETAIL OF SPECIAL CURB ENDING FOR
TYPE 'A' MEDIAN CURB

CURB & GUTTER	R-14.4	
MEDIAN CURB	R-14.2	
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

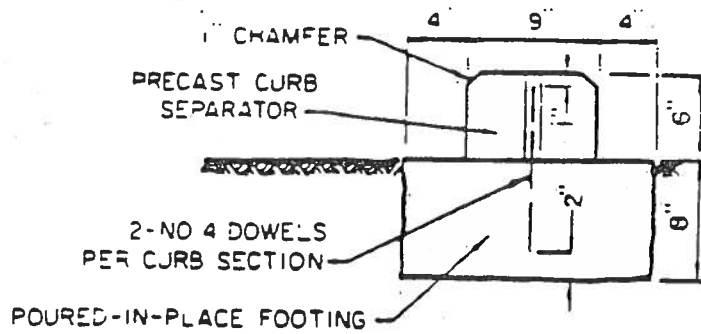
APPROVED
6/5/6

REVISED
3/5/8

STANDARD ROAD DETAIL
CURB ENDINGS

R
14.4

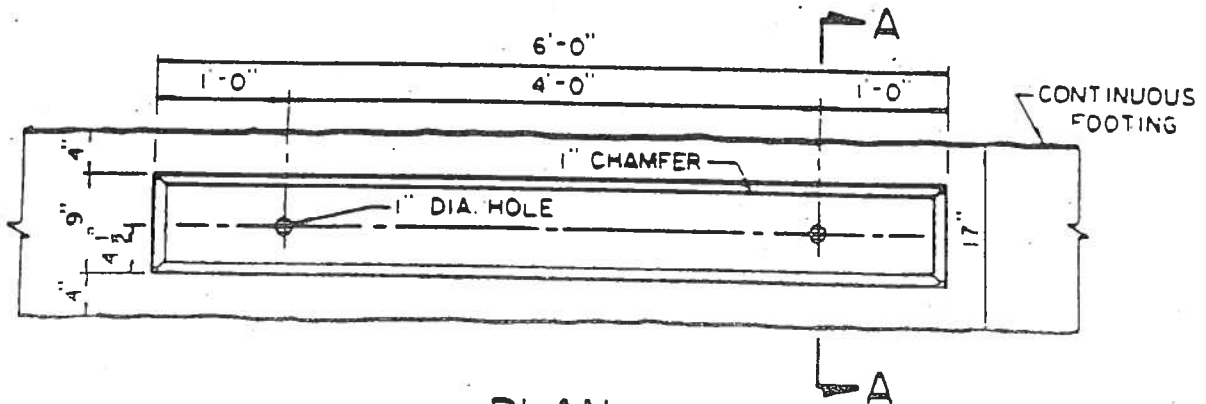
SHEET 1 OF 1



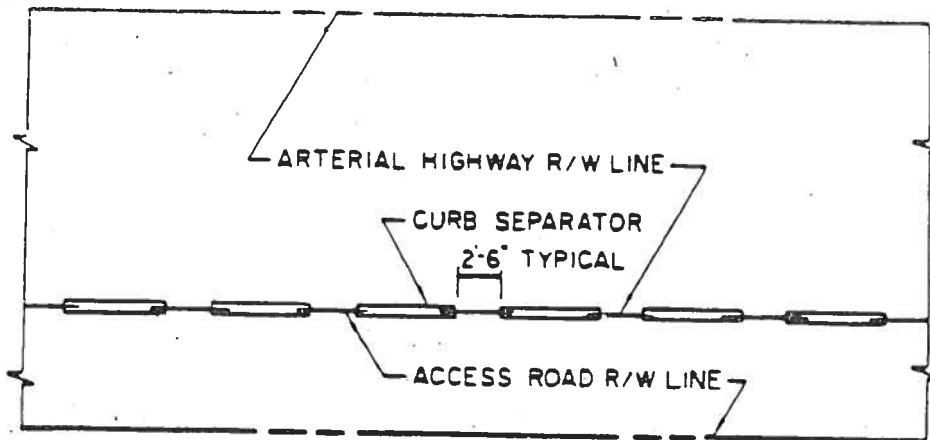
NOTES

- 1 PLACE CURB SECTION ON FOOTING OVER DOWELS, FILL HOLES WITH GROUT
- 2 CURB SHALL BE STRUCTURAL CONCRETE
- 3 FOOTING MAY BE NONSTRESS CONCRETE

SECTION A-A



PLAN



LOCATION PLAN

ITEM	CROSS REF	SPEC. REF

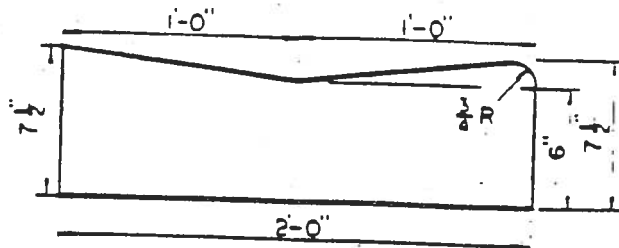
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/62

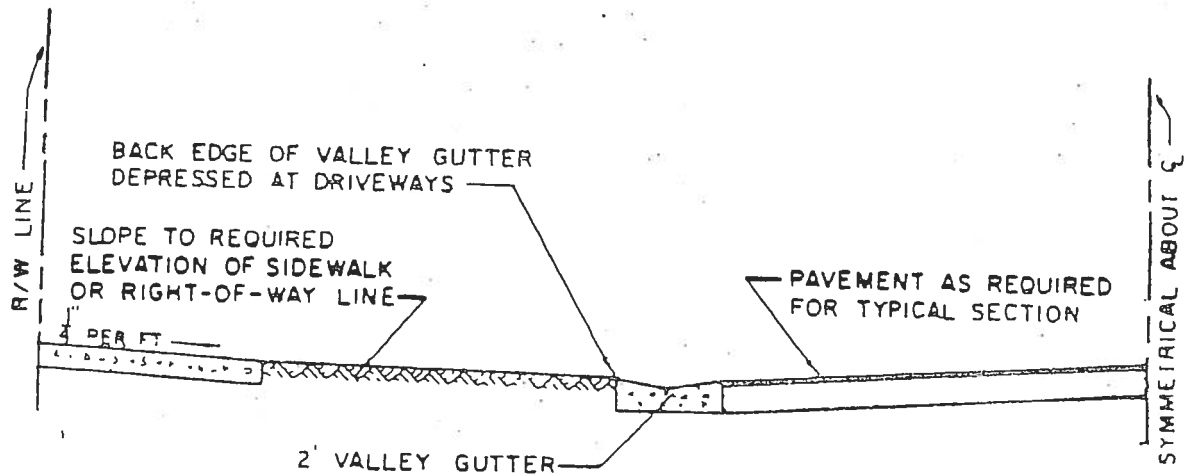
REVISED
6/1/62

LOAD DETAIL
ACCESS ROAD
CURB SEPARATORS

R
14.5
SHEET 1 OF 1



2' VALLEY GUTTER



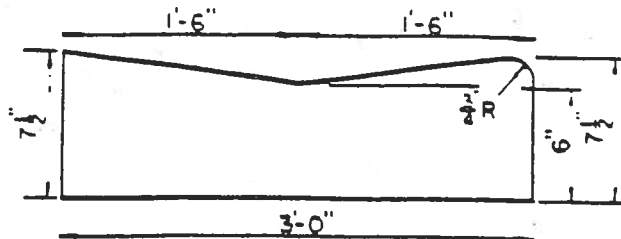
TYPICAL SECTION

NOTES

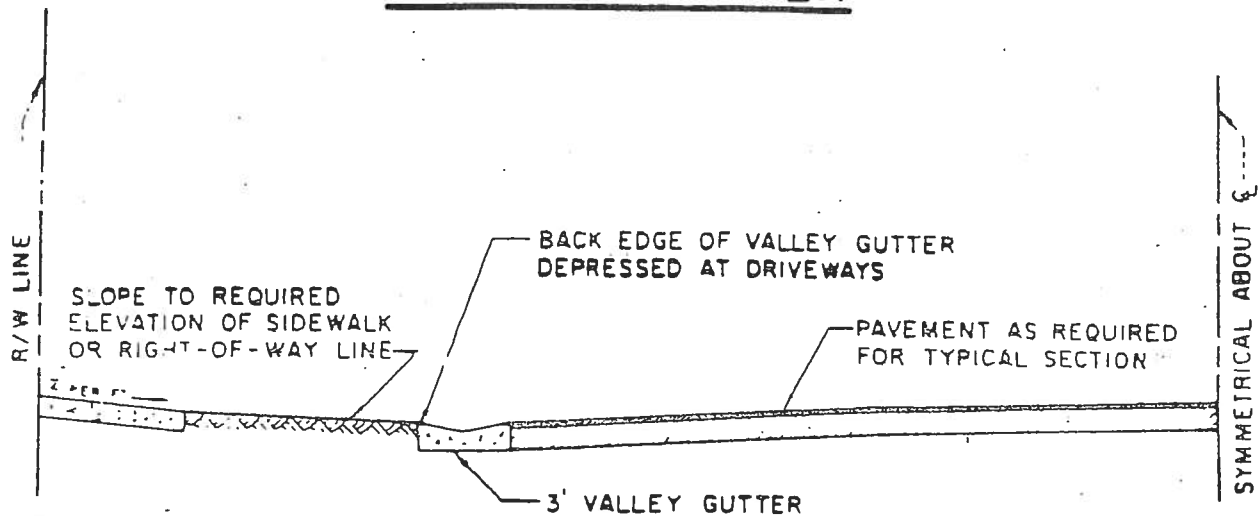
1. SUBJECT TO AN APPROVED DRAINAGE DESIGN, THIS DETAIL APPLIES TO FILL CONDITIONS OF MARL OR OTHER POORLY DRAINED SOIL AREAS
2. SLOPE OF VALLEY GUTTER TO BE NO LESS THAN 0.30 %

ITEM	CROSS REF	SPEC REF

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED 7/30/62	REVISED 8/3/66 5/17/72 3/10/80	STANDARD ROAD DETAIL CONCRETE VALLEY GUTTER FOR 2-LANE PAVEMENTS	R 14.6 SHEET 1 OF 2
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3' VALLEY GUTTER



TYPICAL SECTION

NOTES

1. SUBJECT TO AN APPROVED DRAINAGE DESIGN, THIS DETAIL APPLIES TO ALL CONDITIONS OF MARL OR OTHER POORLY DRAINED SOIL AREAS
2. SLOPE OF VALLEY GUTTER TO BE NO LESS THAN 0.30 %

ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED

7/30/62

REVISED

8/3/66

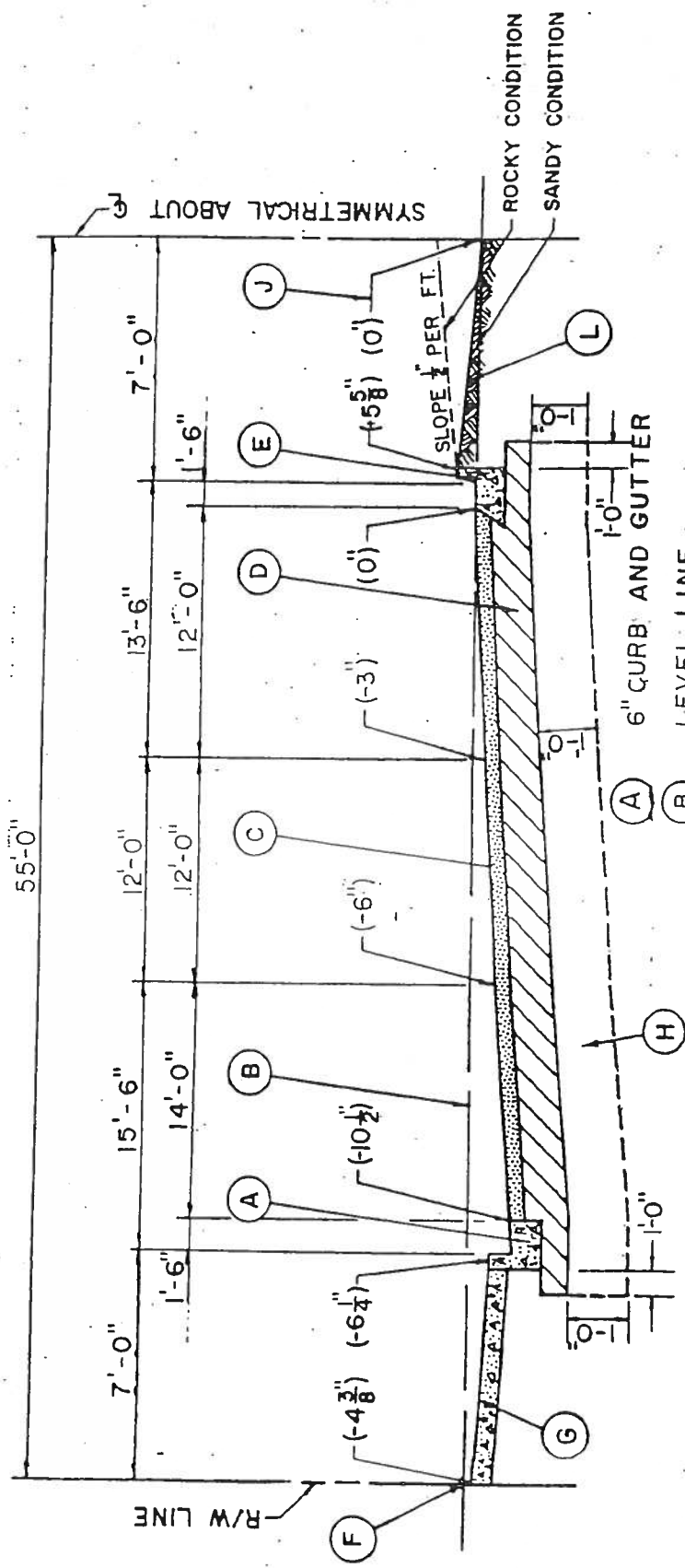
5/1/72

3/10/78

STANDARD ROAD DETAIL
CONCRETE VALLEY GUTTER
FOR 4-LANE PAVEMENTS

R
14.6

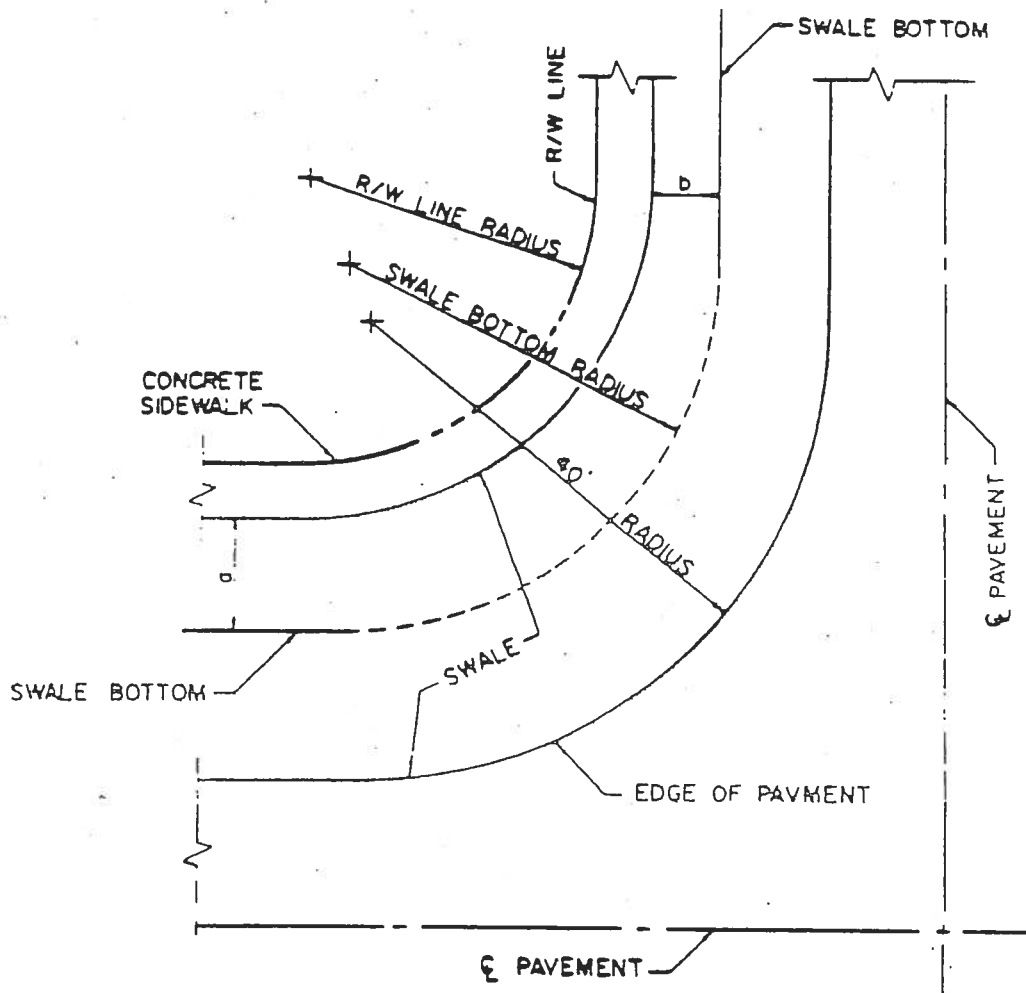
SHEET 2 OF 2



- NOTES:
- THIS DETAIL APPLIES TO ARTERIAL STREETS AND TO TOWN HOUSE & MULTI-FAMILY RESIDENTIAL AREAS, AND COMMERCIAL & INDUSTRIAL AREAS. IT ALSO APPLIES TO COLLECTOR STREETS USED FOR ACCESS TO THESE LAND USES WHERE INDICATED BY TRAFFIC PROJECTIONS.
 - AN APPROVED DRAINAGE SYSTEM IS REQUIRED WHERE THIS DETAIL IS USED.
- ASPHALTIC CONCRETE SURFACE COURSE 2" THICK (MINIMUM) TO BE PLACED IN TWO (2) LIFTS.
- BASE COURSE, PRIMED ENTIRE WIDTH
- TYPE 'E' MEDIAN CURB
- RIGHT-OF-WAY LINE AT OR ABOVE FLOOD CRITERIA
- CONCRETE SIDEWALK WHERE REQUIRED
- STABILIZED SUBGRADE
- OFFSET FROM LEVEL LINE
- MEDIAN (SOLID SOD)

ITEM	CROSS SECTION	SPEC. REF.
STABILIZING	SEC. 33	
BINDER COURSE	SEC. 132	
MEDIAN CURB	R-14.2	
CURB & GUTTER	R-14.1	
CONCRETE SIDEWALK	R-13.1	SEC. 145
ASPHALTIC CONCRETE		SEC. 133
BASE COURSE		SEC. 51

[Handwritten signature]
 2/25/99



$$\text{SWALE BOTTOM RADIUS} = \left(\frac{a+b}{2} \right) + (\text{R/W LINE RADIUS} + \text{SIDEWALK WIDTH})$$

CONC SIDEWALK	R-131	SEC 145
ITEM	CROSS REF.	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/61

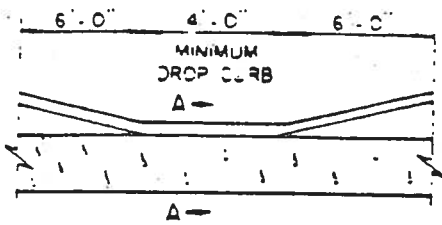
REVISED

STANDARD ROAD DETAIL
STREET INTERSECTION
SWALE

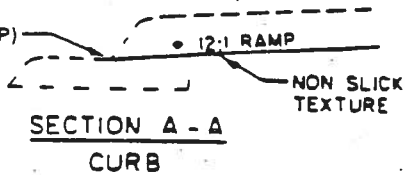
R
15.1

SHEET 1 OF 1

SECTION OF FACE OF CURB (TYP)



CUT AT P.I. AND
TRANSITION (NO LIP)



LOCATE CURB AND GUTTER
IN ACCORDANCE WITH—

APPROPRIATE TYPICAL
SECTION

EDGE OF
PAVEMENT

20' MIN.
PAVEMENT TRANSITION

STREET 'B'

R/W

R/W LINE

P.T.

60° MIN.

STANDARD CURB
AND GUTTER
ENDING

25' MIN.
R/W LINE RADIUS

* RADIUS VARIES

CONCRETE
SIDEWALK

P.C.

PEDESTRIAN RAMP(S)
FOR HANDICAPPED
(SEE R13.3)

GRASS STRIP

CONCRETE CURB
AND GUTTER

STREET 'A'

* RADIUS = (R/W RADIUS) + (a OR b), WHICHEVER
IS GREATER.

** IN COMMERCIAL AND INDUSTRIAL AREAS CON-
STRUCT CONCRETE SIDEWALK TO BACK OF
CURB WHERE THIS DIMENSION IS LESS THAN
2'-6" BETWEEN P.C. AND P.T.

NOTE

WHERE SIDEWALK AND CURB AND GUTTER ARE
REQUIRED ON STREET 'A' BUT NOT ON STREET 'B'
CONSTRUCT SIDEWALK TO P.T. OF R/W LINE CURVE
AND END CURB AND GUTTER AS SHOWN

PEDESTRIAN RAMPS	R 13.3	
CURB & GUTTER	R-14.1	
CONC SIDEWALK	R-13.1	SEC 45
ITEM	CROSS REF	SPEC. REF

METROPOLITAN
LADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/6

REVISED

5/17/72

6/23 --

5/4/85

STANDARD ROAD DETAIL

STREET INTERSECTION
CURB AND GUTTER

R
15.2

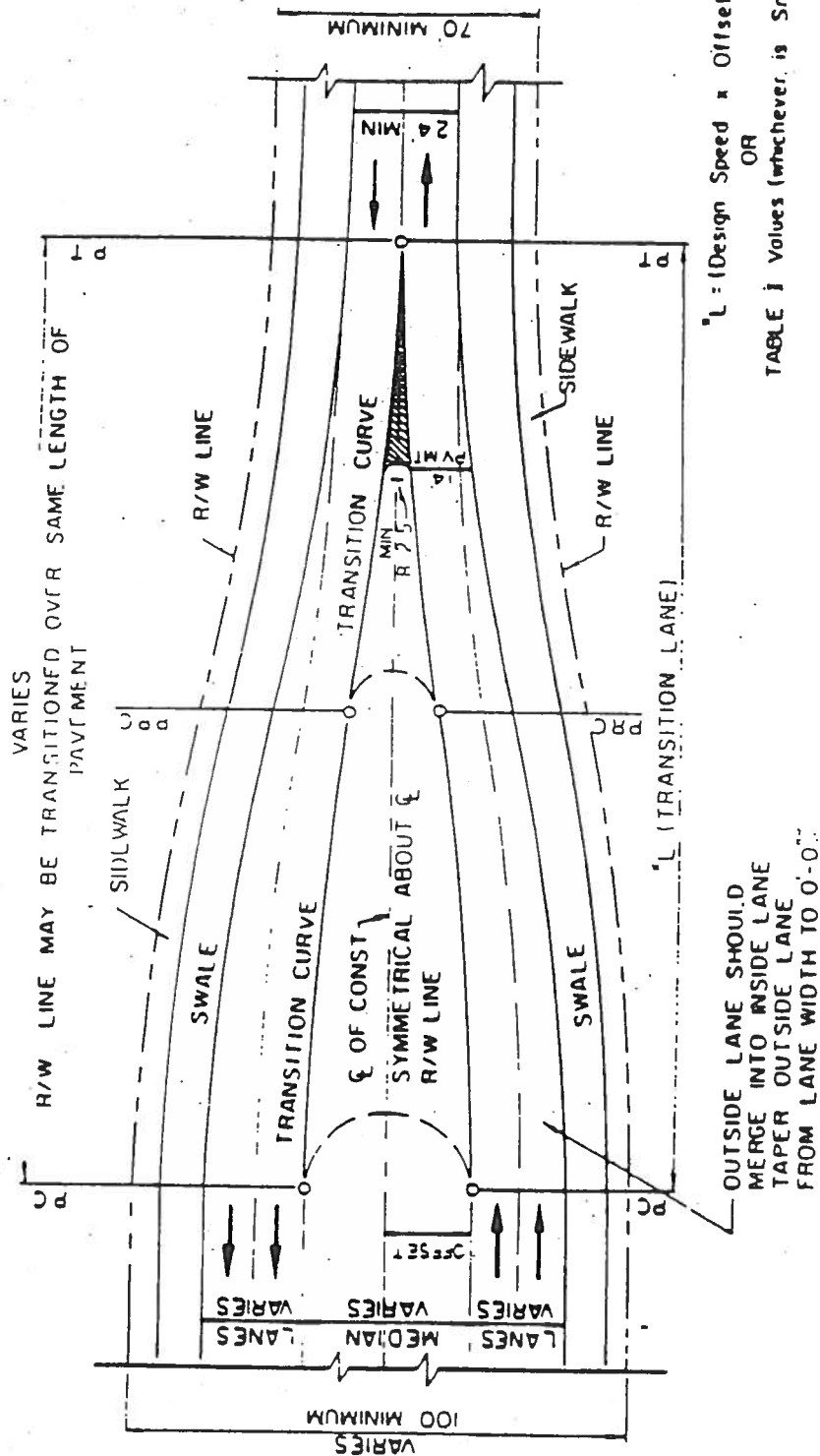
SHEET 1 OF 1



- 1 DIVIDED PAVEMENT MUST BE 200' MIN.
2 EQUIVALENT STRAIGHT TAPERS CAN BE USED.
3 MEDIAN CAN BE ENDED AT PC OR PRC.

RO H/W UNV PAVE MI NI	R - 4 4	CROSS REF	SPEC REF
ITEM			

R
15.3
S-EET - 05



"L" = (Design Speed x Offset)
OR
TABLE 1 Values (whichever is Smaller)

TABLE 1

OFFSET WIDTH (FEET)	MAXIMUM TRANSITION LENGTH (FEET)	OFFSET WIDTH (FEET)	MAXIMUM TRANSITION LENGTH (FEET)
1	110	11	380
2	160	12	400
3	200	13	410
4	222	14	422
5	250	15	440
6	280	16	450
7	300	17	470
8	320	18	480
9	340	19	500
10	360	20	510

NOTES

- 1 DIVIDED PAVEMENT MUST BE 20' MIN
- 2 EQUIVALENT STRAIGHT TAPERS CAN BE USED
- 3 MEDIAN CAN BE ENDED AT P.C OR P.T.C

ITEM	CROSS REF	SPEC REF
R/O R/W DIVIDED PAVT	R-52	

R
15.3

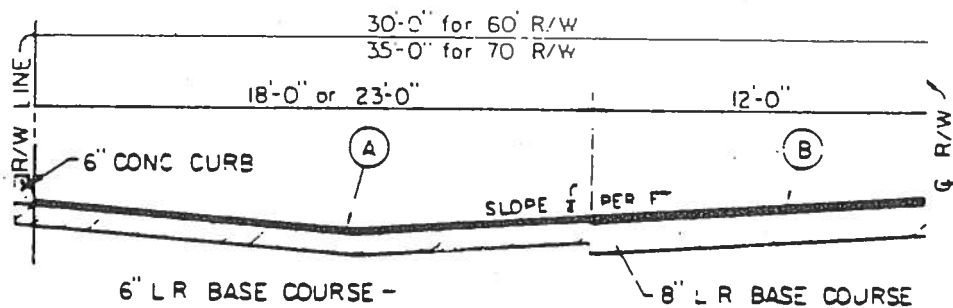
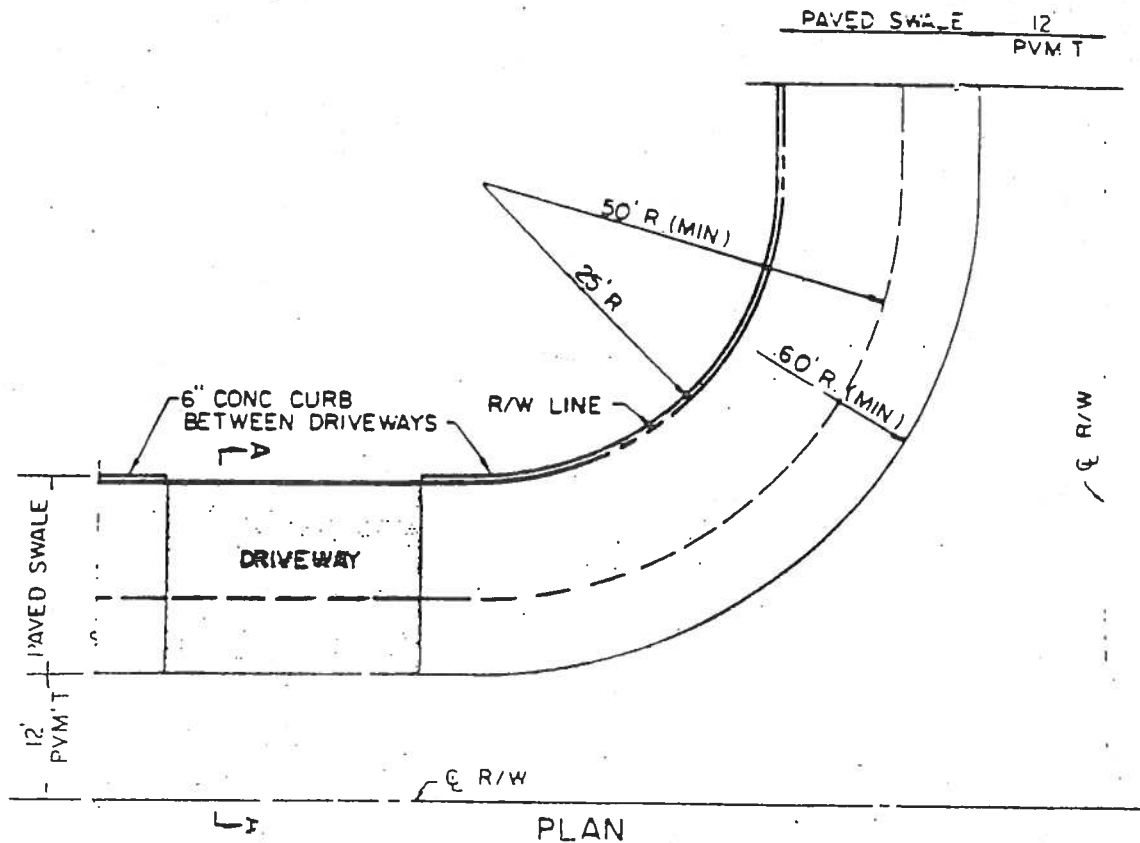
5-EE-20-2

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED:
5-7-72

REVISED

STANDARD ROAD DETAIL
ARTERIAL PAVEMENT
TRANSITION - DIVIDED
TO UNDIVIDED



- (A) ASPH. CONC. SURFACE COURSE 1" THICK
- (B) " " " " 1 1/2"

ASPHALTIC CONCRETE		SEC 33
BASE COURSE		SEC 5-54
SPACING	R-122	
ITEM	CROSS REF	SPEC REF

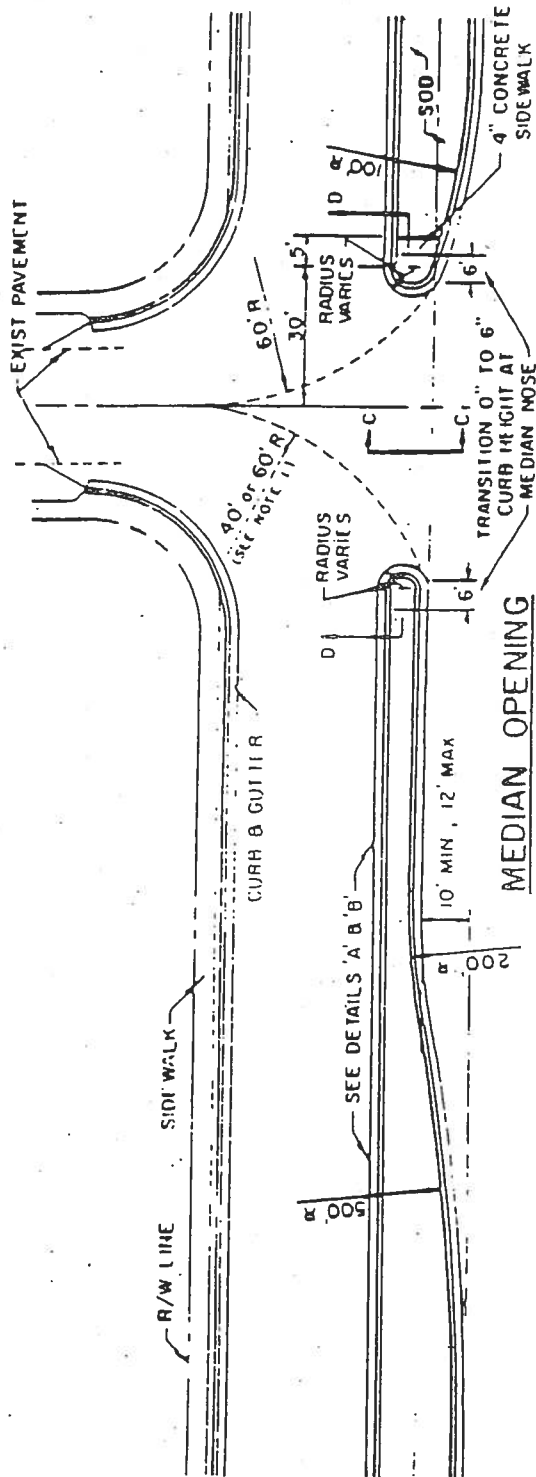
METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
5/17/72

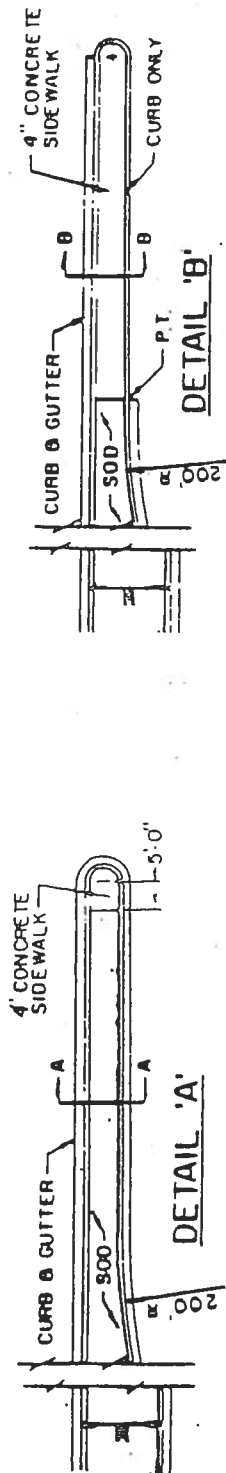
REVISED
3/10/81

STANDARD ROAD DETAIL
RADIUS RETURN FOR
INDUSTRIAL AREAS

R
15.4
SHEET 1 OF 1

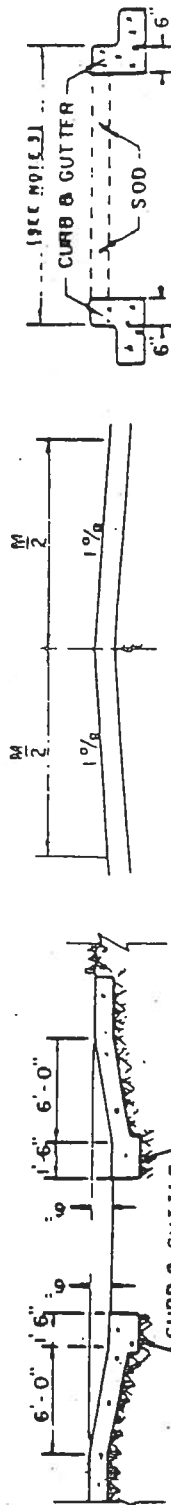


MEDIAN OPENING



DETAIL 'B'

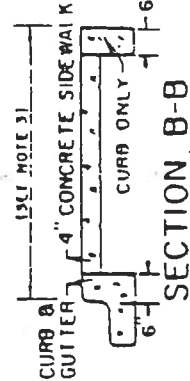
DETAIL 'A'



SECTION A-A

SECTION C-C

SECTION D-D



1961 NOTE 31

NOTES:

- 1 MINOR INTERSECTIONS 40' R (LOCAL STREETS)
MAJOR INTERSECTIONS 60' R (ARTERIAL STREETS)
- 2 WHEN MEDIAN WIDTH (M) IS MORE THAN 17'-0"
USE DETAIL A; WHEN LESS THAN 17'-0" USE DETAIL B
- 3 M, minus LEFT TURN LANE WIDTH

M : MEDIAN WIDTH

ITEM	CROSS R/F	SPIC H/F
CONC CURB & GUTTER	R 141	SEC 145
CONC SIDEWALK	R 131	CROSS H/F

METROPOLITAN
CLAY COUNTY
PUBLIC WORKS
DEPARTMENT

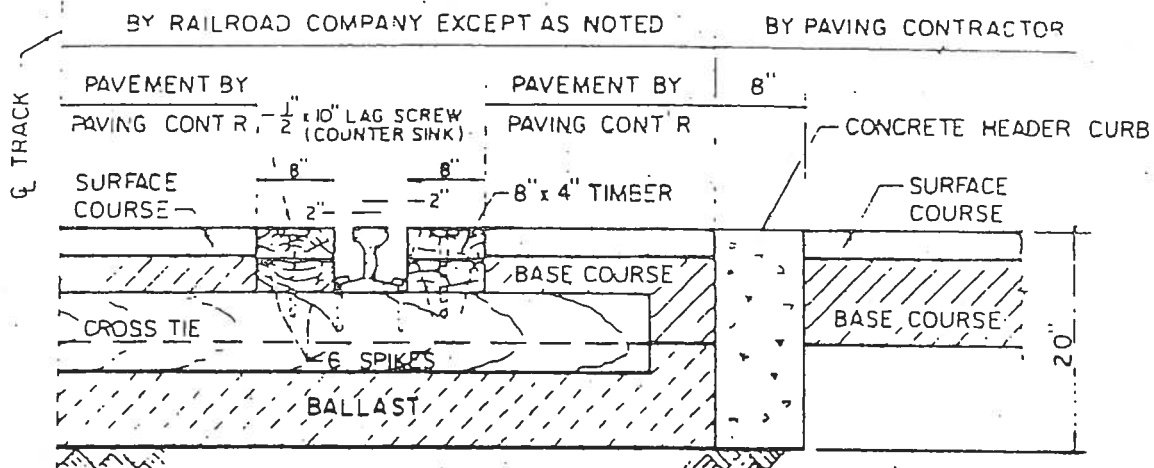
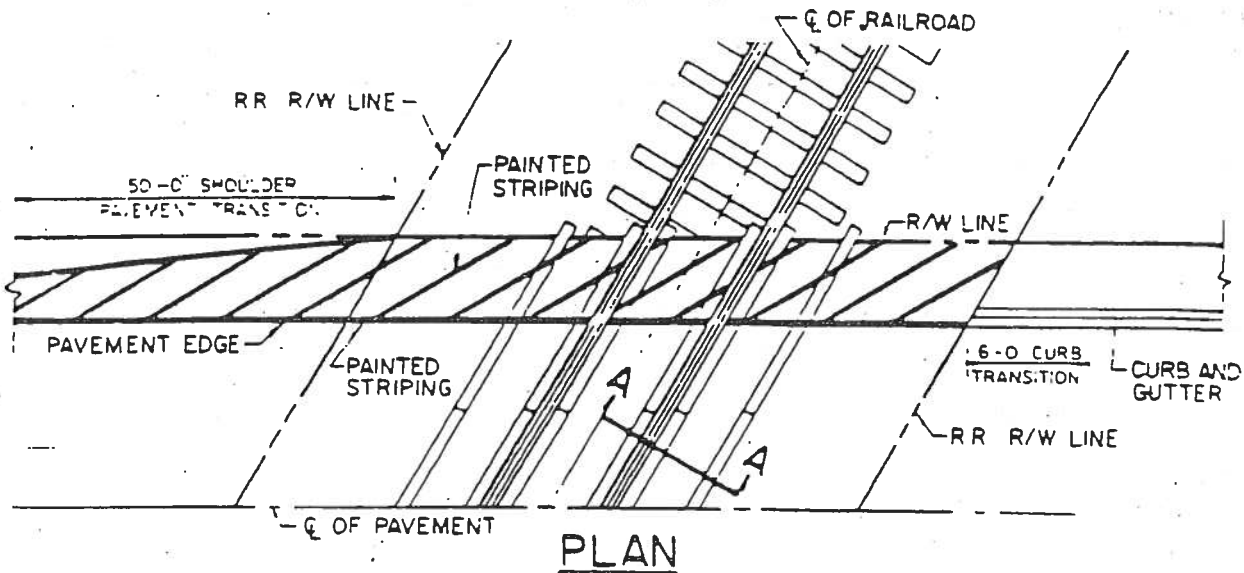
APPROVED
8/21/72

REVISED

3/C'B

STANDARD ROAD DETAIL
MEDIAN OPENING
ON DIVIDED ROADWAYS

R
15.5
SHEET 1 OF 1

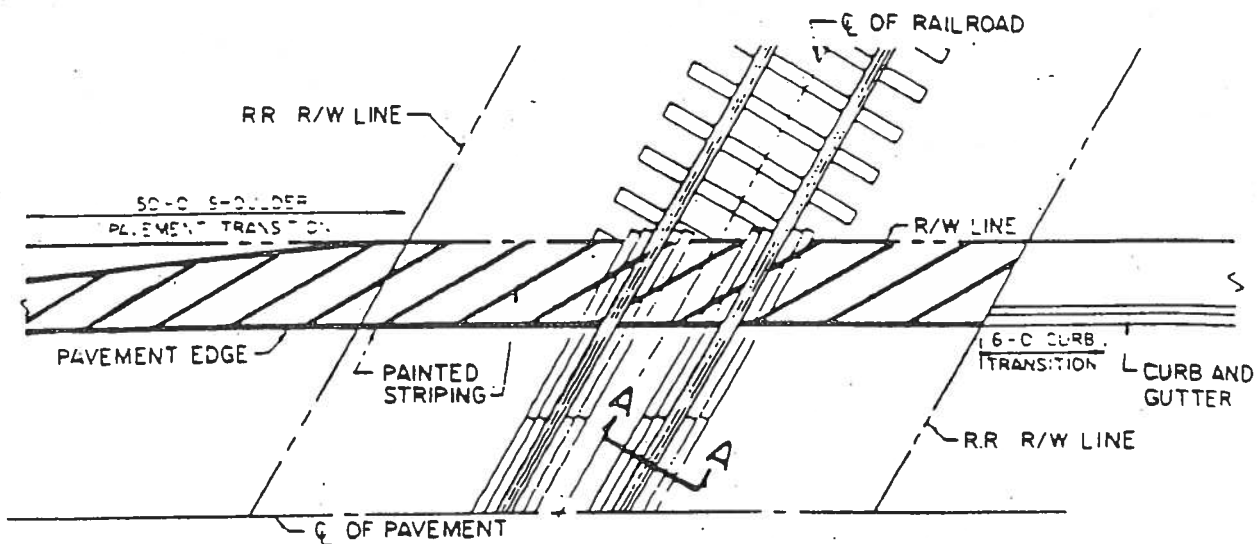


NOTES

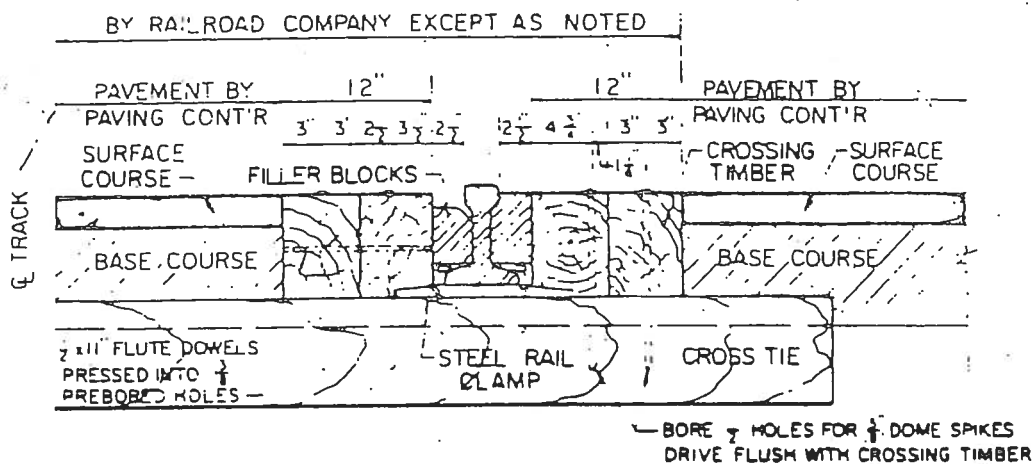
1. THE CONTRACTOR WILL CONSTRUCT HEADER CURBS AT LOCATIONS REQUESTED BY THE RAILROAD COMPANY, AND CONSTRUCT PAVEMENT AS SHOWN.
2. THE RAILROAD COMPANY WILL FURNISH AND INSTALL ALL MATERIALS WITHIN 5' OF Q OF TRACKS, EXCEPT PAVEMENT.
3. ALL RAILS SHALL BE LINED AND LEVELED AS SHOWN ON PLANS
4. SURFACE COURSE SHALL MATCH ADJACENT PAVEMENT AND BE FLUSH WITH TOP OF RAIL.

BASE COURSE		SEC 5-54
ITEM	CROSS REF	SPEC REF

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED 6/5/66	REVISED 8/3/66 5/17/72 6/23/77	STANDARD ROAD DETAIL F.E.C. RAILROAD CROSSING MAJOR & MINOR STREETS	R 16.1 SHEET 1 OF 1
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PLAN



HALF SECTION TYPE 'L'

NOTES

- 1 THE CONTRACTOR WILL CONSTRUCT HEADER CURBS AT LOCATIONS REQUESTED BY THE RAILROAD COMPANY, AND CONSTRUCT PAVEMENT AS SHOWN ON R-16.1
- 2 THE RAILROAD COMPANY WILL FURNISH AND INSTALL ALL MATERIALS WITHIN 5' OF Q OF TRACKS, EXCEPT PAVEMENT.
- 3 ALL RAILS SHALL BE LINED AND LEVELED AS SHOWN ON PLANS
- 4 SURFACE COURSE SHALL MATCH ADJACENT PAVEMENT AND BE FLUSH WITH TOP OF RAIL.

BASE COURSE		SEC 51.50
ITEM	CROSS REF	SPEC REF.

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED 6/5/61	REVISED 8/3/66 5/17/72 6/23/77	STANDARD ROAD DETAIL S.C.L. RAILROAD CROSSING MAJOR & MINOR STREETS	R 16.2 SHEET 1 OF 1
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GENERAL NOTES FOR SUPERELEVATIONS

- 1 MAXIMUM RATE OF SUPERELEVATION SHALL BE 0.05' PER FOOT
- 2 SUPERELEVATION SHALL BE OBTAINED BY ROTATING THE PLANE SUCCESSIVELY ABOUT THE BREAK POINTS OF THE SECTION UNTIL A SLOPE OF +0.0208' PER FOOT IS OBTAINED. THE PLANE SHALL THEN BE ROTATED ABOUT THE CENTERLINE OF CONSTRUCTION UNTIL THE MAXIMUM SUPERELEVATION IS REACHED.
- 3 WHEN POSITIVE SUPERELEVATION IS REQUIRED, THE SLOPE OF THE GUTTER ON THE HIGH SIDE SHALL BE A CONTINUATION OF THE SLOPE OF THE SUPERELEVATED PAVEMENT.
- 4 IN CONSTRUCTION, SHORT VERTICAL CURVES SHALL BE PLACED AT ALL ANGULAR PROFILE BREAKS WITHIN THE LIMITS OF THE SUPERELEVATION TRANSITION.
- 5 MINIMUM GUTTER GRADES WITHIN THE LIMITS OF THE SUPERELEVATION TRANSITION SHALL BE 0.2%.
- 6 THE VARIABLE SUPERELEVATION TRANSITION LENGTH "L" SHALL HAVE A MINIMUM VALUE OF 50 FEET FOR DESIGN SPEEDS UNDER 40 M.P.H. AND 75 FEET FOR DESIGN SPEEDS OF 40 MPH. OR GREATER.
- 7 FOR UNDIVIDED PAVEMENTS WIDER THAN TWO LANES, THE SUPERELEVATION TRANSITION LENGTH "L" SHALL BE :
 - A 3 LANES: 1 2 TIMES THE LENGTH FOR 2 LANE HIGHWAY
 - B 4 LANES: 1 5 TIMES THE LENGTH FOR 2 LANE HIGHWAY
 - C 6 LANES: 2.0 TIMES THE LENGTH FOR 2 LANE HIGHWAY
- 8 ROADWAY SECTIONS HAVING LANE ARRANGEMENTS DIFFERENT FROM THOSE SHOWN, BUT COMPOSED OF A SERIES OF PLANES, SHALL BE SUPERELEVATED IN A SIMILAR MANNER.
- 9 ALL ROADWAY DESIGNS SHALL CONFORM TO THE LATEST EDITION OF THE "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS"

ITEM	CROSS REF	SPEC REF

ETROPOLITAN
ADE. COUNTY
PUBLIC WORKS
DEPARTMENT

APPROV. BY

8/9/72

REVISED

6/4/86

STANDARD ROAD DETAIL

• SUPERELEVATION •
GENERAL NOTES

R

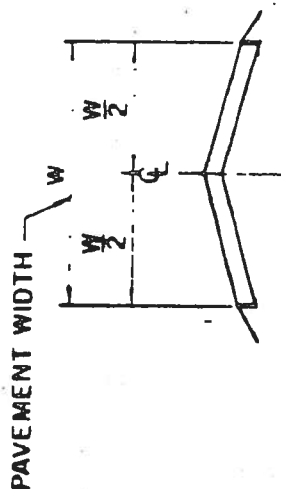
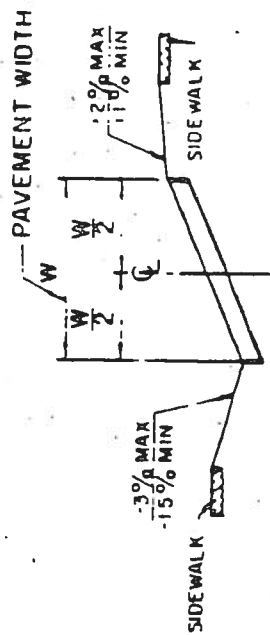
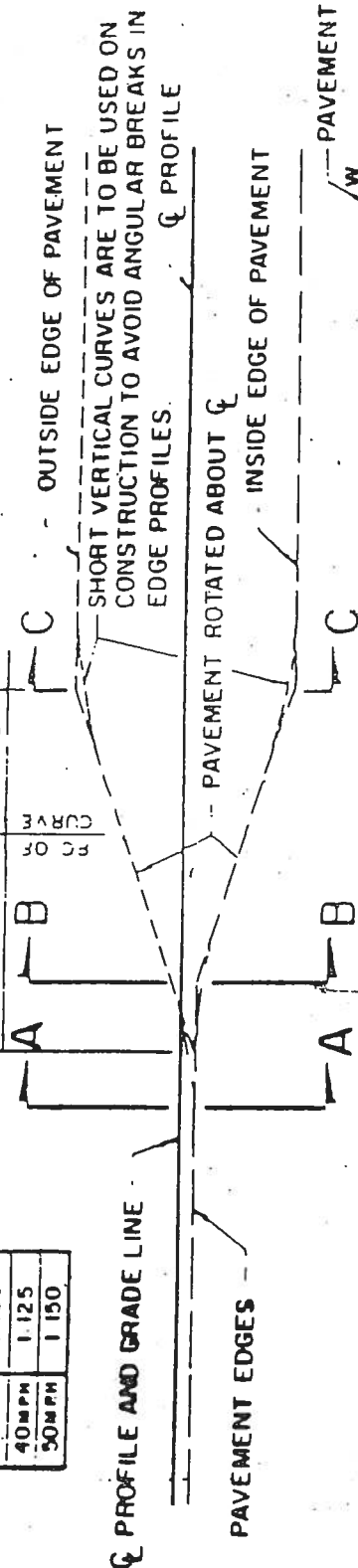
17.1

SHEET 1 OF 4

NORMAL CROWN SUPERELEVATION TRANSITION (VARIES, 50' MIN.) FULL SUPERELEVATION

Design Speed	Transition Slope of L
30 MPH	1:100
40 MPH	1:125
50 MPH	1:150

STRAIGHT LINE TRANSITION OF OUTSIDE HALF OF PAVEMENT FROM NORMAL CROWN SLOPE TO SUPERELEVATION SLOPE.



CROSS SLOPE EQUAL TO NORMAL CROWN SLOPES. BEGIN ROTATION ABOUT CENTERLINE AT THIS POINT.

NORMALLY THE SWALE GRADES WILL BE AS SHOWN, HOWEVER THEY MAY VARY AS GOVERNED BY THE DRAINAGE SCHEME

SECTION A-A NORMAL CROWNED SECTION

SECTION B-B PLANE INCLINED SECTION

SECTION C-C FULLY SUPERELEVATED SECTION

NOTE

TO ASSURE ADEQUATE DRAINAGE OR MAINTAIN A MINIMUM ELEVATION OF THE EDGE OF PAVEMENT, ROTATION MAY BEGIN AT SECTION B-B ABOUT THE INSIDE EDGE OF PAVEMENT

GENERAL NOTES	CROSS REF	SPEC REF
ITEM		

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/5/6

REVISED
7/11/72
6/23/77
6/4/86

STANDARD ROAD DETAIL
• SUPERELEVATION •
2 LANES
SWALE SECTION

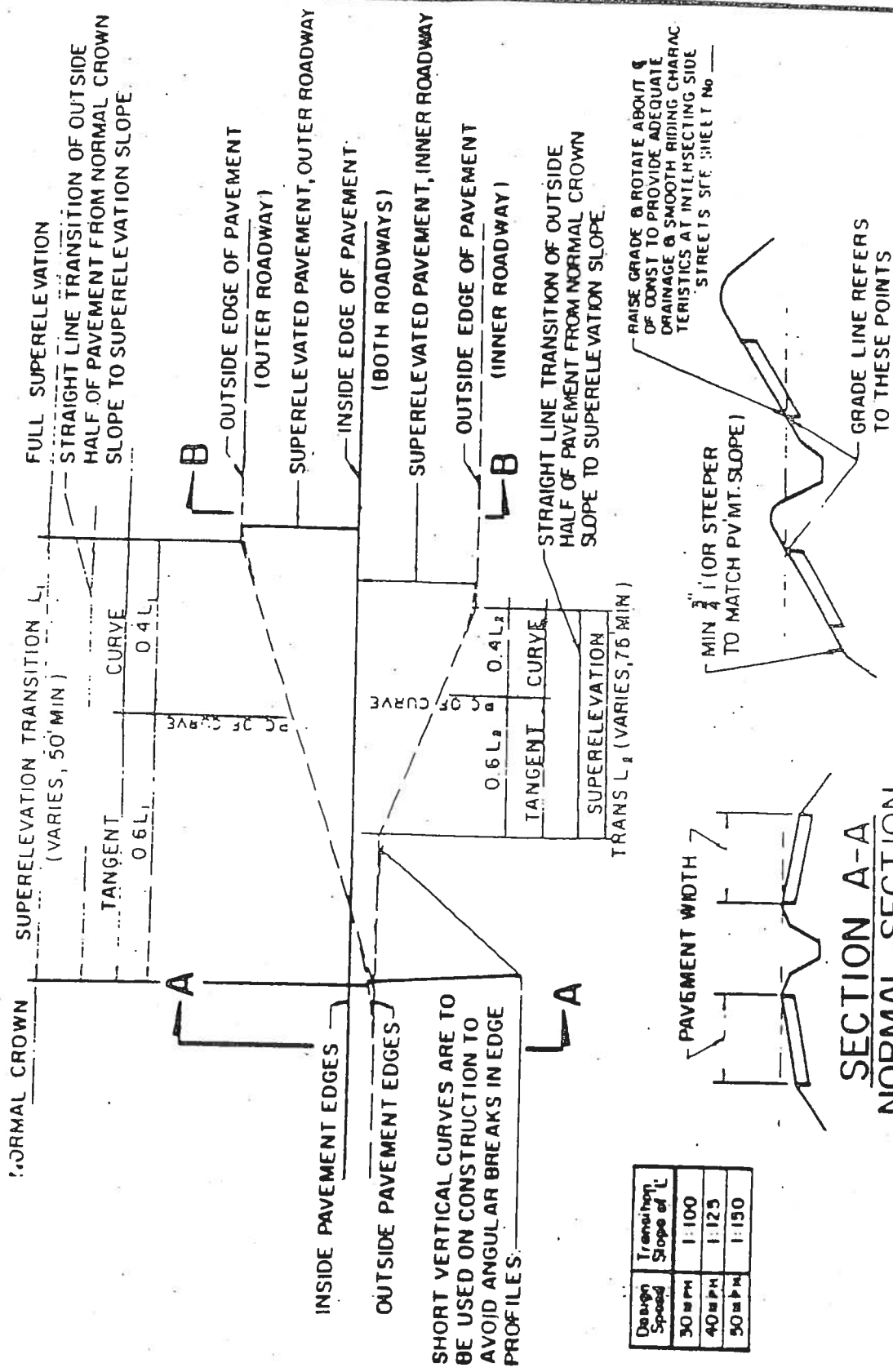
R
17.1
SHEET 2 OF 4

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED 6/5/6	REVISED 7/1/72
	6/2/77
	6/4/86

STANDARD ROAD DETAIL
• SUPERELEVATION •
MULTI-LANE DIVIDED
SWALE SECTION

R
17.1
SHEET 3 OF 4



Design Speed	Transition Slope of L1
30 mph	1:100
40 mph	1:125
50 mph	1:150

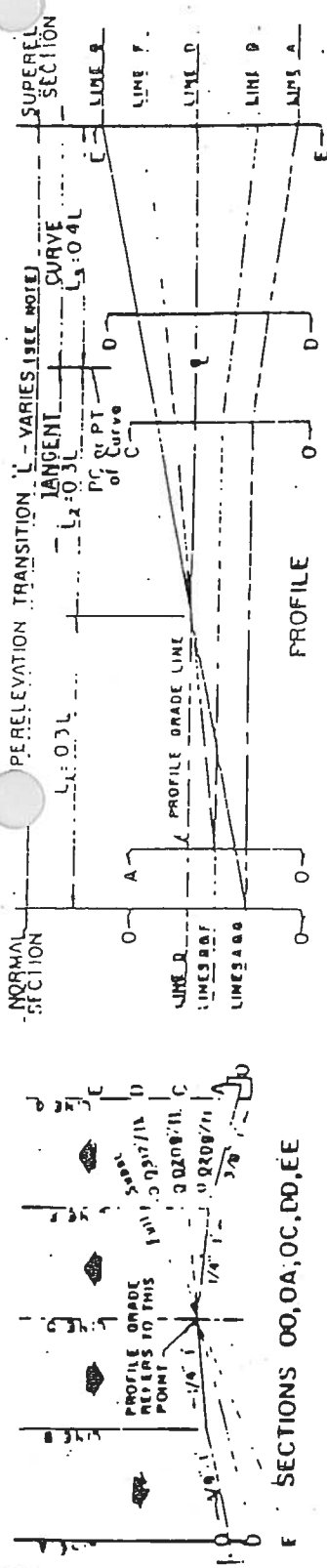
GENERAL NOTES	
ITEM	CROSS REF. SPEC. REF.

SECTION A-A
NORMAL SECTION

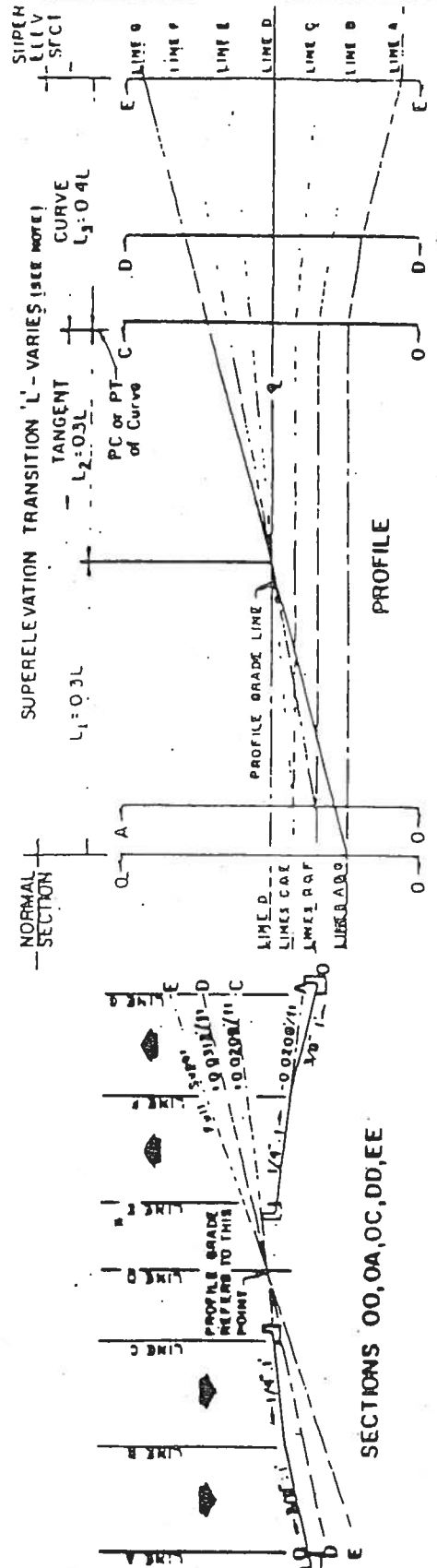
SECTION B-B
FULLY SUPERELEVATED
SECTION

APPROVED	REVISED
7/11/72	3/30/73
	E 4 BE

STANDARD ROAD DETAIL
 • SUPERELEVATION •
 CURB AND GUTTER
 SECTION



DETAIL OF SUPERELEVATION TRANSITION
 FOR TWO TRAFFIC LANES EACH DIRECTION



DETAIL OF SUPERELEVATION TRANSITION
 FOR TWO TRAFFIC LANES EACH DIRECTION WITH MEDIAN

Design Speed	Transition Slope of %
30 MPH	1/100
40 MPH	1/125
50 MPH	1/150

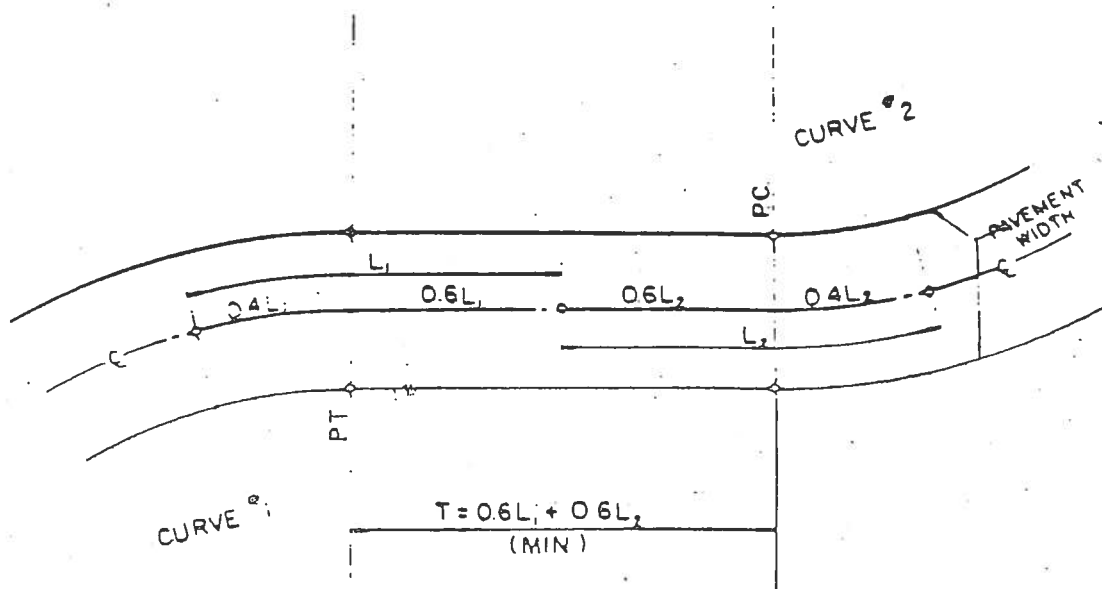
LINE	DESCRIPTION
A	INSIDE TRAFFIC LANE
B	INSIDE LANE LINE
C	INSIDE MEDIAN EDGE PAVEMENT
D	CONSTRUCTION
E	OUTSIDE MEDIAN EDGE PAVEMENT
F	OUTSIDE LANE LINE
G	OUTSIDE TRAFFIC LANE

NOTE FOR SPIRAL CURVES ONLY

L = Length of Spiral Curve
 TS and ST at Section 00
 SC and CS at Section EE

* ROTATION FOR THE HIGHSIDE
 MAY BE ABOUT THIS POINT WHEN
 INTERSECTING SIDE STREETS ARE
 SPACED FAR APART SEE SHEET NO.

GENERAL NOTES	CROSS REF	SPEC REF
ITEM		



GENERAL NOTES	R 171	
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

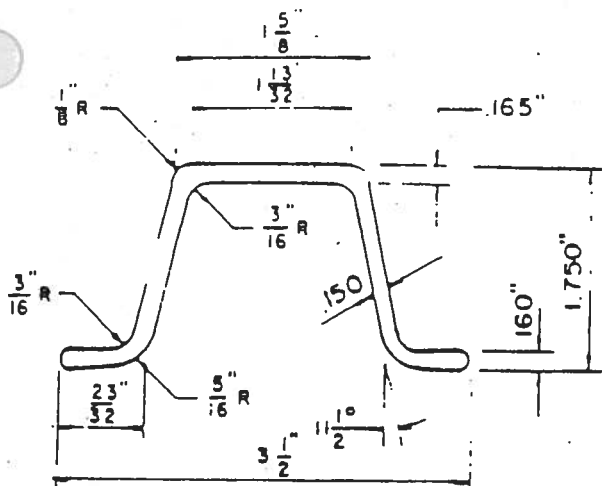
APPROVED
8/9/72

REVISED
6/23/77
6/4/86

STANDARD ROAD DETAIL
• SUPERELEVATION •
TRANSITION FOR
REVERSE CURVES

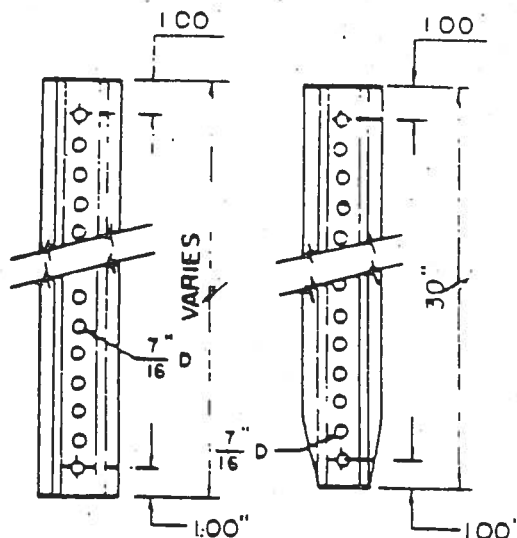
R
17.2

SHEET 1 OF 1



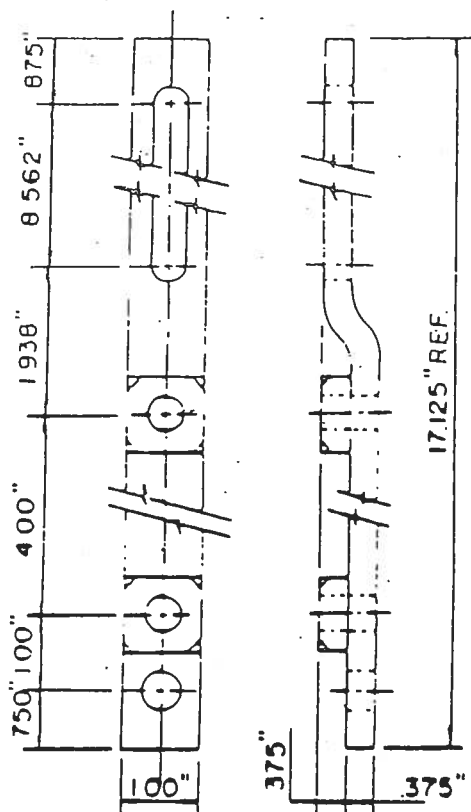
SIGN POST & BASE POST

WEIGHT - 3.00 LBS/FT

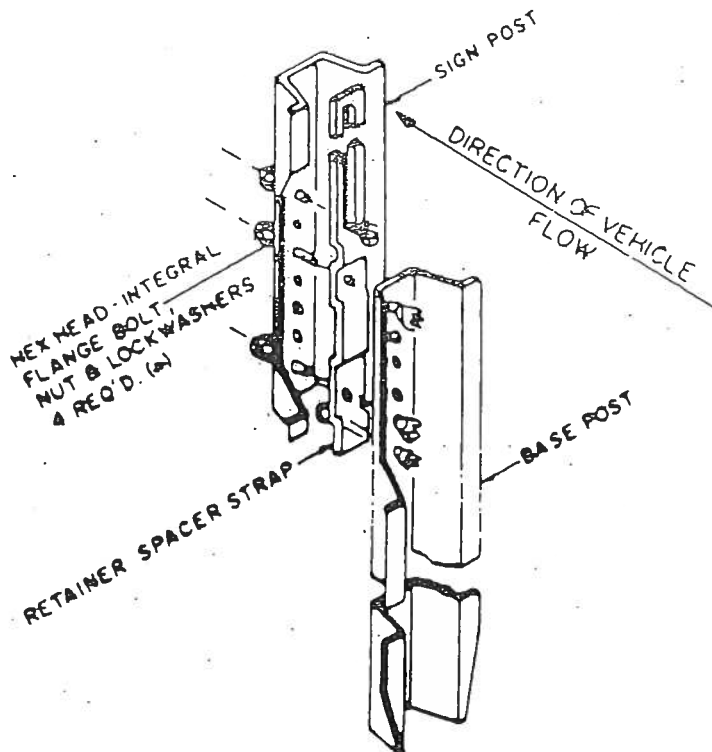


SIGN POST

BASE POST



RETAINER SPACER STRAP



(*) $\frac{5}{16}$ " - 18 UNC $\times$ $1\frac{3}{4}$ " BOLT - PER ASTM A-354, GRADE BD (GRADE 8)

NUT - PER ASTM A-563, GRADE DH

LOCKWASHER - HEAVY DUTY EXTERNAL TYPE
FINISH - CADMIUM PLATED PER ASTM
A-165-80, TYPE OS

METROPOLITAN
JADE COUNTY
PUBLIC WORKS
DEPARTMENT

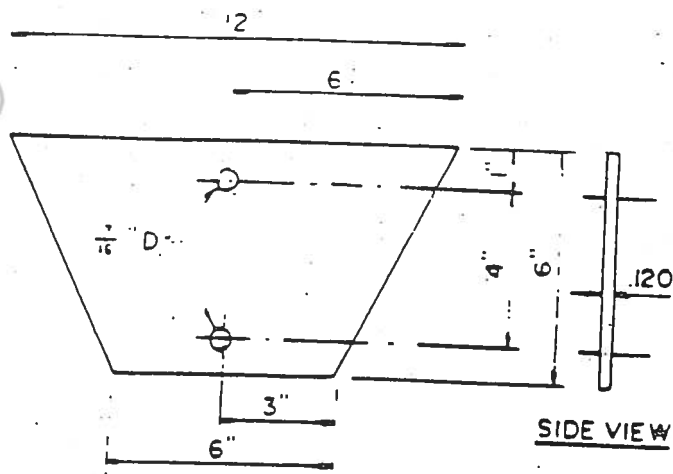
APPROVED
6/4/86

REVISED

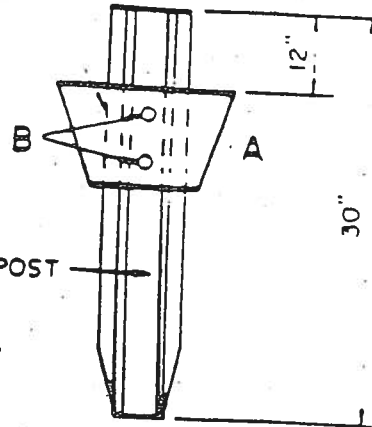
STANDARD ROAD DETAIL

STREET SIGN POST
ASSEMBLY

R
18.1
SHEET 1 OF 4



ANCHOR
PLATE -



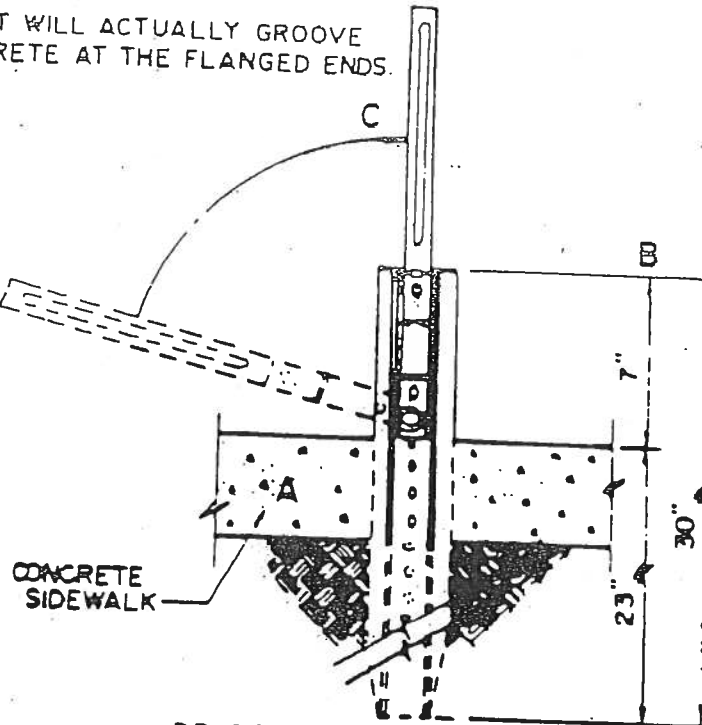
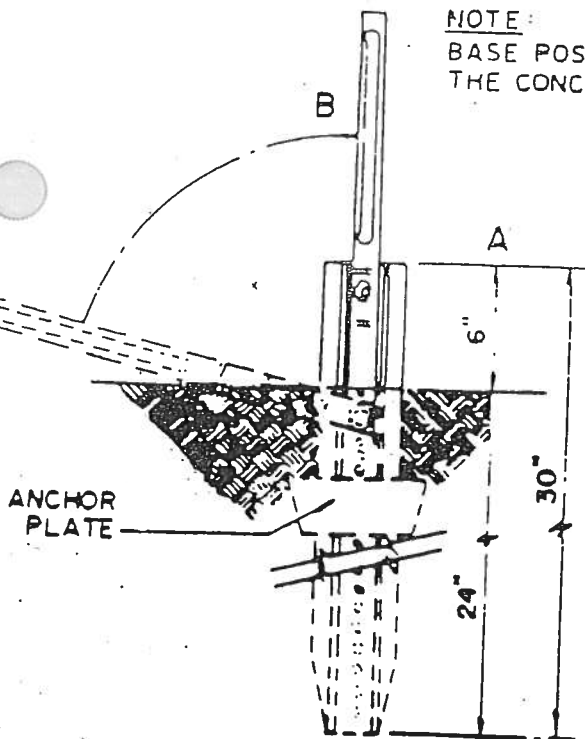
BASE POST

LARGE ANCHOR PLATE

- A LINE-UP 6"x12" ANCHOR PLATE WITH 30" BASE POST.
B ATTACH ANCHOR PLATE TO BASE POST WITH TWO (2) 1/8" - 18 UNC x 2 1/2" BOLTS, NUTS, AND LOCKWASHERS.

NOTE:

BASE POST WILL ACTUALLY GROOVE THE CONCRETE AT THE FLANGED ENDS.



DRIVE BASE POST TO SIX (6) INCHES ABOVE GROUND
ROTATE STRAP TO VERTICAL POSITION TO BE USED ON LOOSE FILL AND SANDY SOILS.

PRIOR TO DRIVING BASE POST:

- A. BORE A 3" DIAMETER HOLE THROUGH THE CONCRETE FLAG
B. DRIVE BASE POST TO SEVEN (7) INCHES ABOVE GROUND.
C. ROTATE STRAP TO VERTICAL POSITION.

TITAN COUNTY
C WORKS
ARTMENT

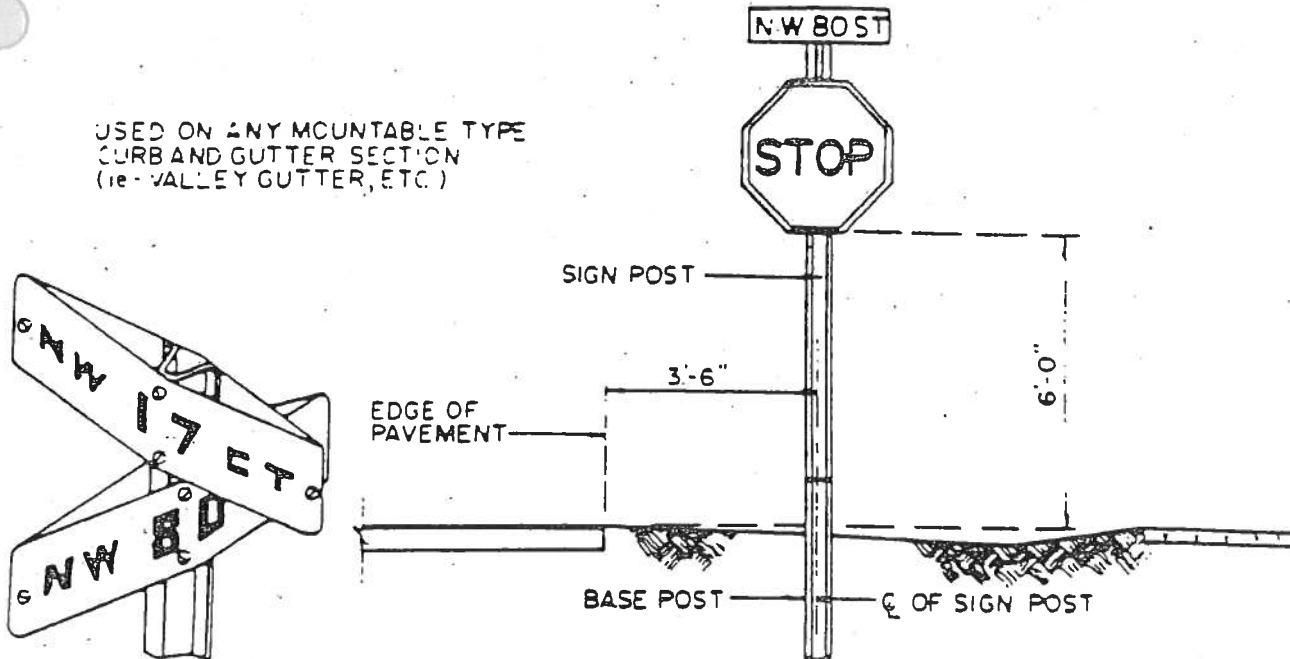
APPROVED
6/4/86

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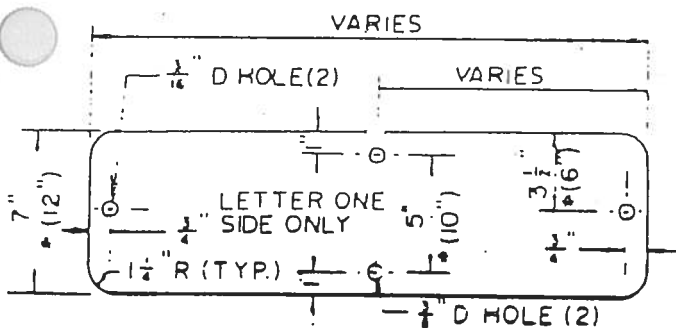
STANDARD ROAD DETAIL
STREET SIGN POST
TYPICAL INSTALLATION

R
18.1
SHEET 2 OF 4

USED ON ANY MOUNTABLE TYPE
CURB AND GUTTER SECTION
(ie - VALLEY GUTTER, ETC.)



TYPICAL SIGN ASSEMBLY

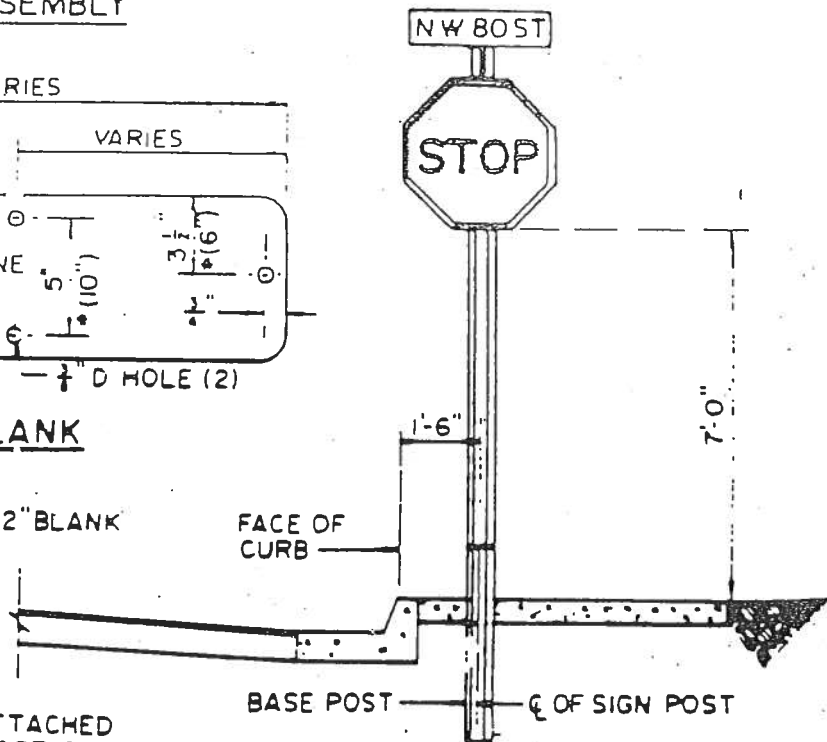


SIGN BLANK

(* DIMENSIONS FOR 12" BLANK

NOTE:

STREET NAME SIGN ATTACHED
PERPENDICULAR TO POST ON
APPROVED MOUNTING BRACKET
ONLY.



ROADSIDE SIGNS

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

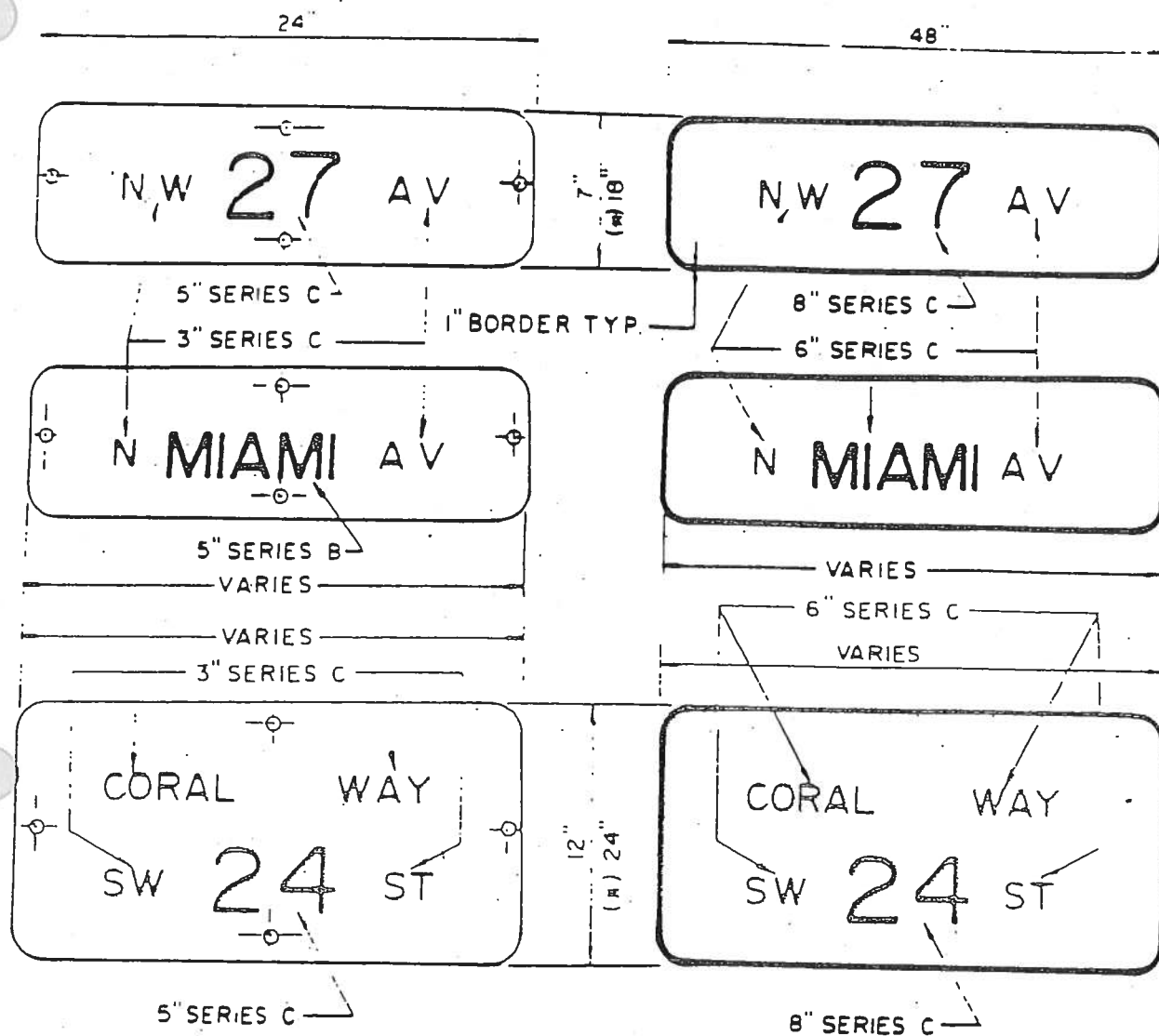
APPROVED
6/4/86

REVISED

STANDARD ROAD DETAIL

STREET/STOP NAME SIGN
ASSEMBLY & FABRICATION

R
18.1
SHEET 1 OF 4



GROUND MOUNT

(SINGLE AND DUAL MESSAGE)

SPAN WIRE OR MAST MOUNT

(SINGLE AND DUAL MESSAGE)

NOTE

SIGN MESSAGES SHALL BE SILVER ON GREEN BACKGROUND SHEETING SHALL BE TYPE B ENCAPSULATED LENS (COMMONLY KNOWN AS "HIGH INTENSITY"), SHEETING SHALL INCLUDE A TYPE I PRECOATED PRESSURE SENSITIVE ADHESIVE BACKING AS PER "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS," SECTION 633 06, SHEET REFLECTIVE MATERIALS.

(*) DIMENSIONS FOR SPAN WIRE OR MAST ARM MOUNT SIGNS

STREET NAME SIGN		SEC 16B
STREET SIGN LOCATION	R-18.2	SEC 16B
ITEM	CROSS REF	SPEC REF

METROPOLITAN
DADE COUNTY

APPROVED
6/4/86

REVISED

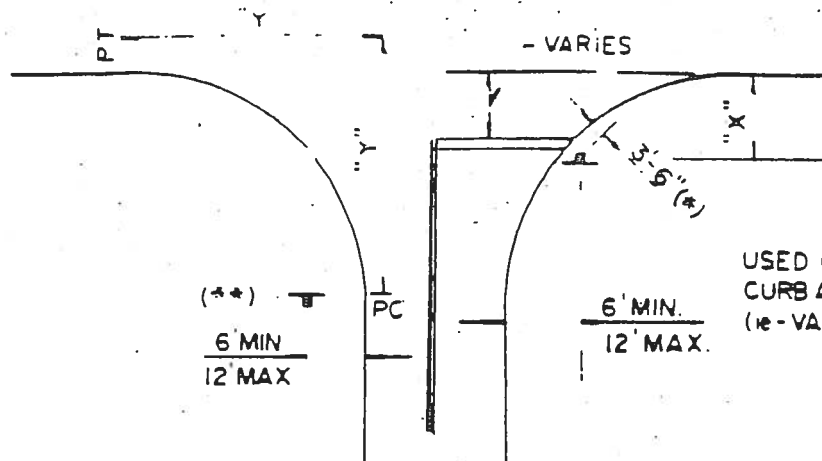
STANDARD ROAD DETAIL

R

SIGN MESSAGE DETAILS

18.1

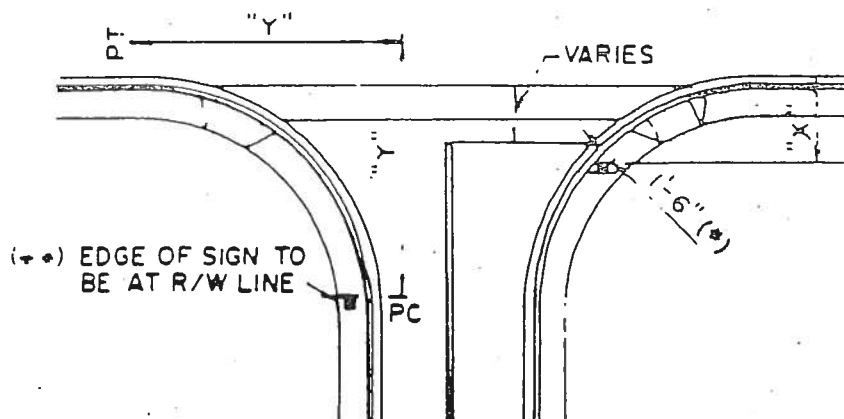
PUBLIC WORKS
DEPARTMENT



USED ON ANY MOUNTABLE TYPE
CURB AND GUTTER SECTION
(e.g. VALLEY GUTTER, ETC.)

- "X" MEASURED FROM EDGE OF PAVEMENT
TO C OF SIGN POST.
- "Y" DIMENSION DETERMINES RADIUS OF
EDGE OF PAVEMENT.
- (*) SEE R 18.1 SHEET 3 OF 4 FOR ADDITIONAL
INFORMATION

RADIUS "Y"	"X"
0' TO 20'	12'
30'	12'
35'	15'
40'	18'
45'	21'
50'	24'



MAJOR/MINOR INTERSECTIONS

THE MINOR STREET WILL HAVE STOP/STREET NAME SIGNS
INSTALLED AT BOTH CORNERS. (ABOVE STOP SIGN-SEE R 18.1 SHEET 3)

MINOR INTERSECTIONS

IF THRU STREET RUNS NORTH/SOUTH, THE STREET NAME SIGN
WILL BE INSTALLED ON NORTHEAST CORNER, ABOVE STOP SIGN.

IF THRU STREET RUNS EAST/WEST, THE STREET NAME SIGN
WILL BE INSTALLED ON NORTHWEST CORNER, ABOVE STOP SIGN.

NOTE (**)

IN CASES WHERE THE STREET DEAD ENDS AND HAS NO INTERSECTING STREETS, A WARNING
SIGN, NO OUTLET (W14-2), MUST BE INSTALLED ON THE OPPOSITE SIDE OF THE STREET

METROPOLITAN
DADE COUNTY
PUBLIC WORKS
DEPARTMENT

APPROVED
6/4/86

REVISED
7/7/89

STANDARD ROAD DETAIL
STREET/STOP SIGN
LOCATION

R
18.2
SHEET OF