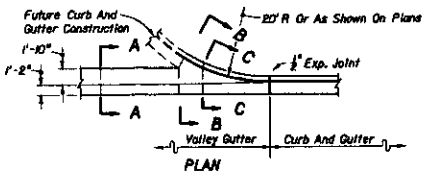
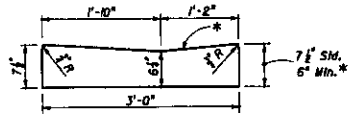
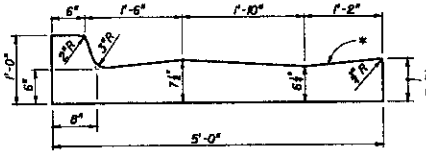


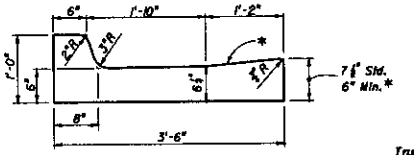
PLAN



SECTION AA



SECTION BB

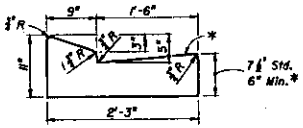


SECTION CC

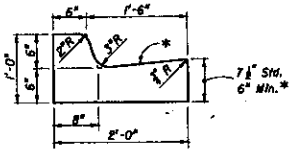
VALLEY GUTTER

* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.

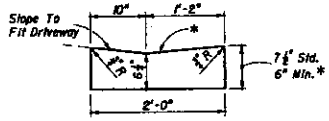
☑ Rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.



TYPE E

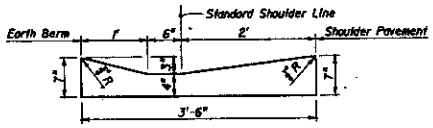


TYPE F

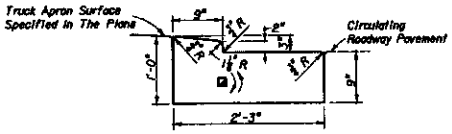


Note: To be paid for as parent curb.

DROP CURB



SHOULDER GUTTER

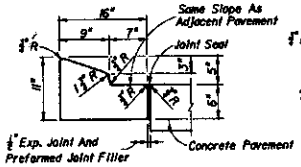


TRAFFIC BEARING SECTION FOR USE IN ROUNDABOUT CENTRAL ISLAND CONSTRUCTION

TYPE RA

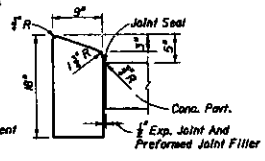
Note: For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see diagram right. Expansion joint, preformed joint filler and joint seal are required between curb & gutter and concrete pavement only, see diagram right.

CONCRETE CURB AND GUTTER

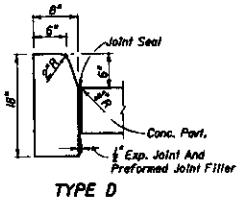


For details depicting usage adjacent to flexible pavement, see diagram right.

TYPE A



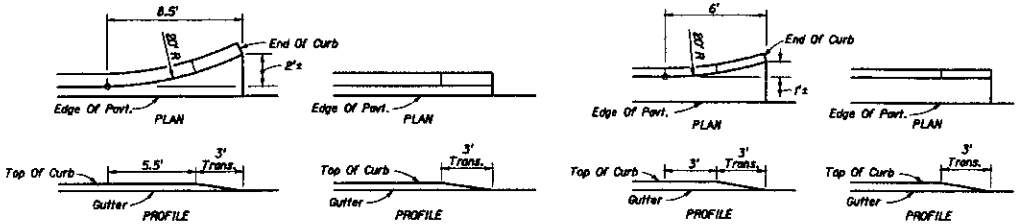
TYPE B



TYPE D

Note: For use adjacent to concrete or flexible pavement, concrete shown. Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see diagram right.

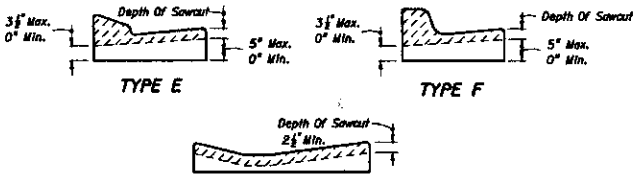
CONCRETE CURB



CURB TYPE A

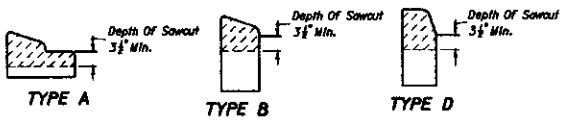
CURB AND GUTTER TYPES E & F

CURB AND GUTTER ENDINGS

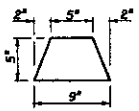


Sawcuts should be avoided within valley gutter and within curb and gutter endings.

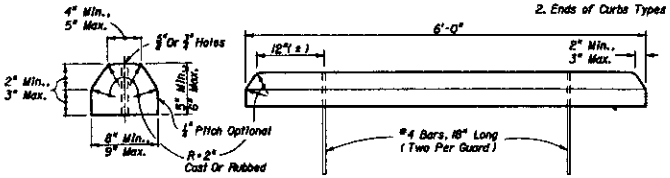
CONTRACTION JOINT IN CURB AND GUTTER



CONTRACTION JOINT IN CURB

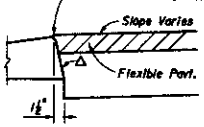


ASPHALTIC CONCRETE CURB



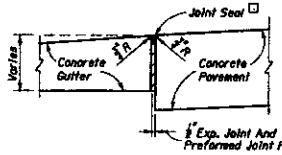
CONCRETE BUMPER GUARD

Surface On Low Side Of Pavement to Be 1/2" Above Lip Of Gutter. Surface On High Side To Be Flush With Lip Of Curb Or Curb & Gutter.



△ Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT



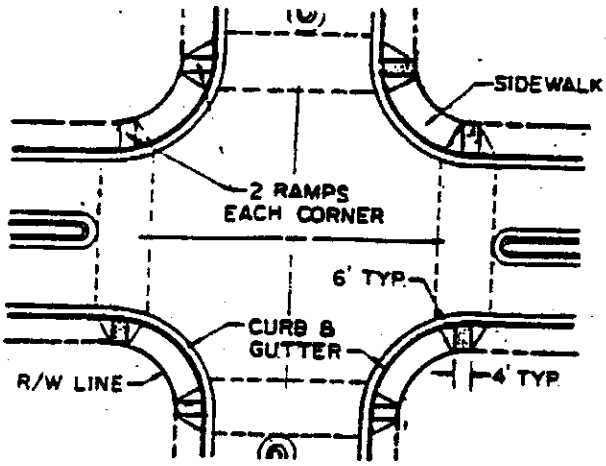
☐ Applies to both high and low sides of pavement, low side shown.

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT

GENERAL NOTES

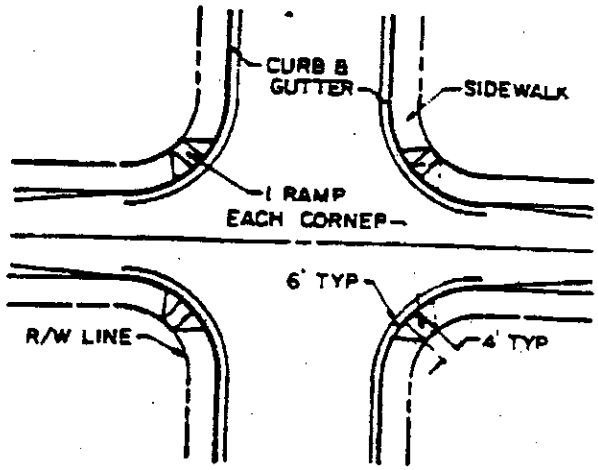
1. For curb, gutter and curb & gutter provide 1/2" - 1/4" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers. Curb, gutter and curb & gutter expansion joints shall be located in accordance with Section 520 of the standard specifications.
2. Ends of Curbs Types B and D shall transition from full to zero heights in 3'.

2008 FDOT Design Standards	Last Revision 00	Sheet No. 1 of 1
CURB & CURB AND GUTTER		Index No. 300



2 MAJOR ROADWAYS
(CURB & GUTTER)

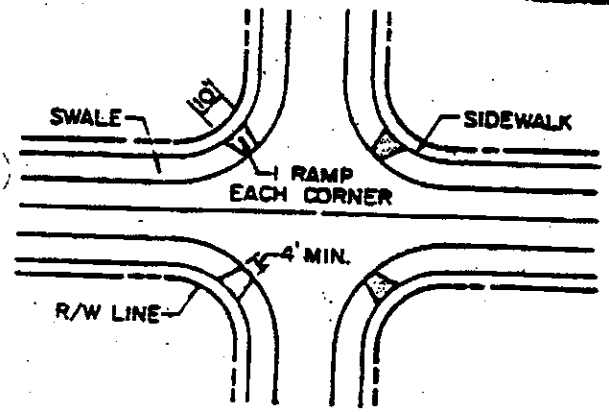
REF: Sec. 2a (1)(a)*



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

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

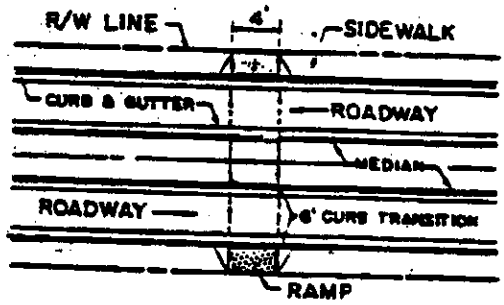
ROADWAY INTERSECTIONS



(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.

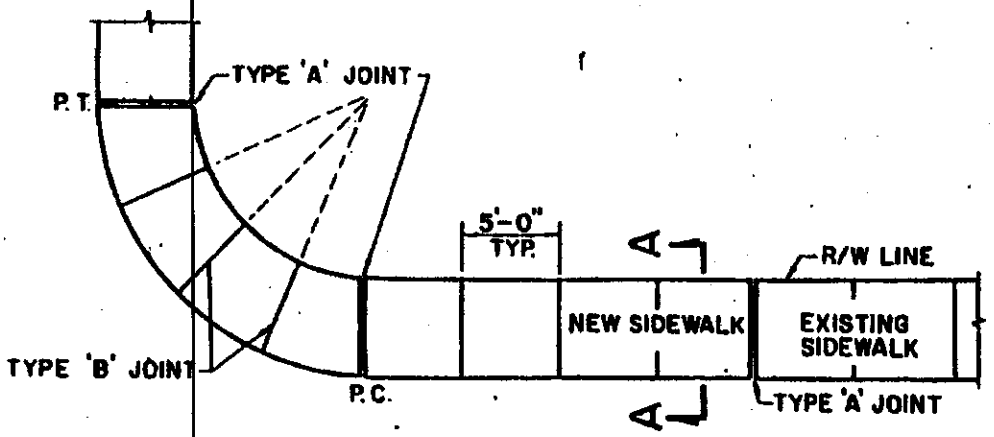
* For all references, see Dade County Public Works Department " Policy on pedestrian ramps in Public Rights-Of-Way ".

NOTES

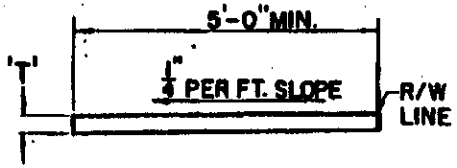
1. Max. slope of ramps = 12:1 (for sidewalk widths greater than or equal to 6'-0").
2. Ramps may be 4" thick in residential areas.
3. Colors: All pedestrian ramps shall contrast visually with adjoining sidewalk surfaces. (i.e., locations within Dade Co. and outside of Coral Gables shall be integral colored " 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.

ITEM	CROSS REF.	SPEC. REF.
CURB & GUTTER	R 15.2	
ASPH. CONC S. COURSE		SEC.143
CONC. DRIVEWAY	R 12.6	
CONC. SIDEWALK	R-13.1	SEC.145

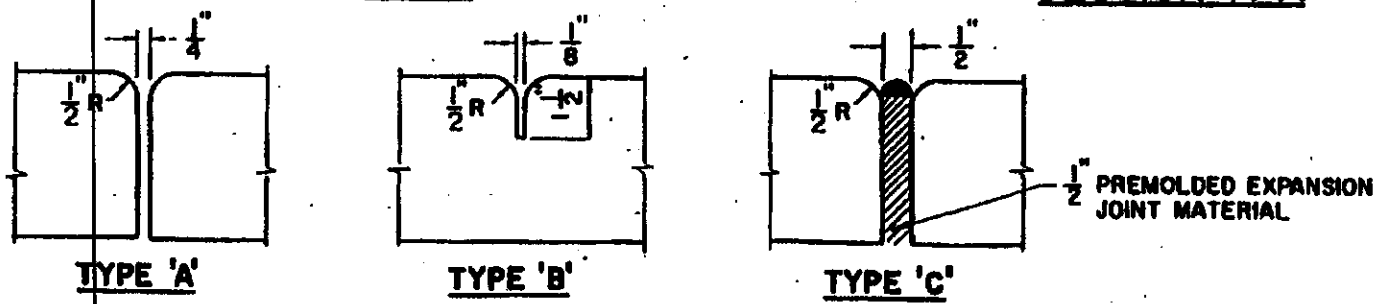
PUBLIC WORKS DEPARTMENT	APPROVED	REVISED	STANDARD ROAD DETAIL	
	9/15/72	4/5/74	PEDESTRIAN RAMPS IN PUBLIC RIGHTS-OF-WAY	R 13.3
		6/4/86		



PLAN



SECTION A-A



SIDEWALK JOINTS

TABLE OF SIDEWALK THICKNESS—'T'	
LOCATION	'T'
RESIDENTIAL AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
'A'	P.C. AND P.T. 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.

ITEM	CROSS REF.	SPEC. REF.
ST. INTERSECTION C & G	R-15.2	
CONC. SIDEWALK		SEC 145

PUBLIC WORKS DEPARTMENT

APPROVED 6/5/61

REVISED 5/17/72 2/22/77

STANDARD ROAD DETAIL

SIDEWALK CONSTRUCTION

R 13.1

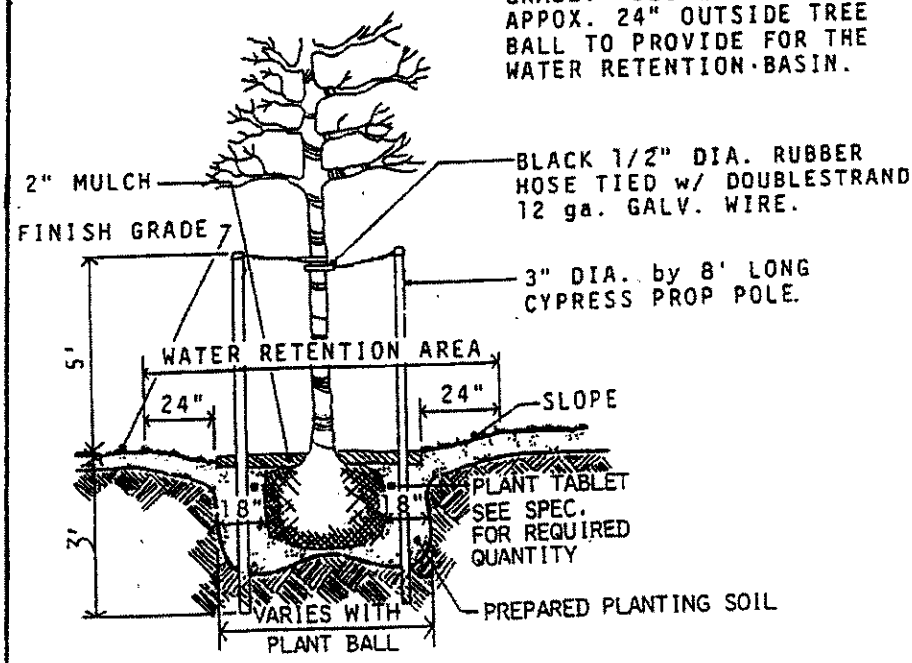
SHEET 1 OF 1

Instruction's for:

12' trees

NOTE:

TOP OF TREE BALL TO BE SET APPROX. 4" BELOW GRADE. SLOPE GRADE FROM APPOX. 24" OUTSIDE TREE BALL TO PROVIDE FOR THE WATER RETENTION BASIN.



SECTION

PLANTING DETAIL – TREE WITH STAKES
1"-2" CALIPER

BID FORM

PROJECT:

BID SUBMITTED TO:

BID SUBMITTED BY: _____

_____

_____

Phone Fax

E-Mail:

Items	Price per UOM	Est. Quantity	Total
Bonds Projects > $150,000	$		
Furnish all materials, labor & equipment to Remove to be saw-cut & Replace 4" thick 3000 PSI min. un-reinforced sidewalk & compact 95% min. (includes restoration-clean fill to avoid gaps) damaged sod replaced at Contractor's expense	$ Sq. Ft.	73,000	
Furnish all materials, labor & equipment to Remove to be saw-cut & Replace 6" thick 3000 PSI min. un-reinforced sidewalk & compact 95% min. (includes restoration-clean fill to avoid gaps) damaged sod replaced at Contractor's expense	$ Sq. Ft.	16,500	
Furnish all materials, labor & equipment Install New 4" thick 3000 PSI min. un-reinforced sidewalk & compact 95% min.(includes clearing & grubbing, removal & disposal of dirt, grass etc. & restoration at Contractor's expense) damaged sod replaced at Contractor's expense	$ Sq. Ft.	39,000	
Furnish all materials, labor & equipment Install New 6" thick 3000 PSI min. un-reinforced sidewalk & compact 95% min.(includes clearing & grubbing, removal & disposal of dirt, grass etc. & restoration at Contractor's expense) damaged sod replaced at Contractor's expense	$ Sq. Ft.	5,000	
Furnish & Compact Lime Rock to min. 95% to avoid settling. When elevation is too low. Fill any gaps between new sidewalk	$ Cubic Yd	100	

installation and existing elevation. Delivery ticket must be provided for payment			
Furnish all materials, labor & equipment to <u>Remove & Replace concrete Type "D" Curb</u> including drop curb, transitions, & reconstruction of base (includes clearing & grubbing, removal & disposal of existing curb, dirt, grass etc. & restoration at Contractor's expense including fill) damaged sod replaced at Contractor's expense	$ Linear Ft.	250	
Furnish all materials, labor & equipment to <u>Remove & Replace concrete Type "F" Curb</u> including drop curb, transitions, & reconstruction of base (includes clearing & grubbing, removal & disposal of existing curb, dirt, grass etc. & restoration at Contractor's expense including fill) damaged sod replaced at Contractor's expense	$ Linear Ft.	1,725	
Furnish all materials, labor & equipment to <u>Remove & Replace concrete "Valley-gutter"</u> including drop curb, transitions, & reconstruction of base (includes clearing & grubbing, removal & disposal of existing curb, dirt, grass etc. & restoration at Contractor's expense including fill) damaged sod replaced at Contractor's expense	$ Linear Ft.	3,000	
Right-of- Way Survey (to establish property lines)	$ Linear Ft.	3,000	
Furnish all materials, labor & equipment to Trim, Tree Root Pruning/Biobarrier (includes restoration - clearing & grubbing, removal of debris, excavation & backfilling) damaged sod replaced at Contractor's expense	$ Per tree	125	
Tree Removal Dia. @ breast hgt.4.5' above grade 0 to 8" Cont. 8"+ to 18" 18"+ to 30" 30" + (includes restoration - clearing & grubbing, removal of debris, excavation & backfilling) damaged sod replaced at Contractor's expense	$ Per tree $ Per tree $ Per tree $ Per tree	10 10 20 20 Sub-TOTAL	
Live Oak Fla. #1 10'-12' overall height (includes restoration - clearing & grubbing,	$ Per tree	15	

removal of debris, excavation & backfilling) damaged sod replaced at Contractor's expense				
Mahogany Fla. #1 10'-12' overall height (includes restoration - clearing & grubbing, removal of debris, excavation & backfilling) damaged sod replaced at Contractor's expense	$	Per tree	10	
Crape Myrtle Fla. #1 10'-12' overall height (includes restoration - clearing & grubbing, removal of debris, excavation & backfilling) damaged sod replaced at Contractor's expense	$	Per tree	10	
Curb Cuts (inc. restoration)	$	Each	510	
Furnish all materials, labor & equipment to Relocate Chain Link Fence (includes restoration) damaged sod replaced at Contractor's expense	$	Linear Ft.	100	
Furnish all materials, labor & equipment to Install New 4' Chain Link Fence, disposal of existing fence (includes restoration) damaged sod replaced at Contractor's expense	$	Linear Ft.	100	
Furnish all materials, labor & equipment to construct 1" Type III Asphaltic Concrete surface including Tack Coat to repair existing driveway approaches. Damaged areas during installation replaced at Contractor's expense	$	Sq. Ft.	500	
Furnish all materials, labor & equipment to place Detectable Warning Surface for pedestrian crossings/cast-in-place type/yellow	$	Sq. Ft.	200	
Furnish all materials, labor & equipment to place Detectable Warning Surface for pedestrian crossings replaceable type/yellow	$	Sq. Ft.	200	
Furnish all materials, labor & equipment to Relocate PVC Lines – 2" diameter	$	Linear Ft.	300	
Furnish all materials, labor & equipment to Install new PVC Lines Sch. 40	$	Linear Ft.	300	
Furnish all materials, labor & equipment to Install new Irrigation Heads (4" pop-up head w/max 15' spray radius)	$	Each	40	
Furnish all materials, labor & equipment to Relocate/reset existing Signs	$	Each	20	
Compaction Test	$	Each	50	

Furnish all materials, labor & equipment to Raise Utilities Access (includes sewer cleanouts, water meters, manholes, water values)	**$ Each**	**50**	
Furnish all materials, labor & equipment to Pressure clean Brick Pavers & Paver Blocks	**$ Sq. Ft.**	**500**	
Furnish all materials, labor & equipment to Pressure clean Brick Pavers & Paver Blocks Nights & Weekends	**$ Sq. Ft.**	**500**	
Furnish all materials, labor & equipment to Pressure clean Concrete Sidewalks	**$ Sq. Ft.**	**1,000**	
Furnish all materials, labor & equipment to Pressure clean Concrete Sidewalks Nights & Weekends	**$ Sq. Ft.**	**1,000**	
Furnish all materials, labor & equipment to install St. Augustine "Floratam" or Bahia sod on areas authorized by City. (includes grading, clearing, grubbing & disposal of material) This item is not for Damaged areas during installation by Contractor	**$ Sq. Ft.**	**1,000**	

The above proposals and each line item includes the total cost to complete the Work detailed for each item including but not limited to materials (i.e. vegetation, concrete, asphalt, etc.), labor, equipment, bonds, etc. indicated in the drawings, specifications, addenda, and any other contract documents.

I. NOTES TO BIDDERS:

1. Bidder shall fill in the entire Bid Form, No spaces are to be left blank.

2. The City reserves the right to utilize any combination of the base proposals, as they so desire to achieve the proper balance between the required improvements, desired improvements, and City's available project budget.

3. The City reserves the right to request per unit/each pricing of materials listed on the bid form for clarification or to purchase additional materials.

4. Contractor shall indicate if willing to accept VISA purchase card as payment
_____**Yes** _____**No**

II. BIDDER'S REPRESENTATION

1. The undersigned BIDDER proposes and agrees, if this Proposal is accepted, to enter into an agreement with CITY to perform and furnish all Work as specified or indicated in the Bid Documents for the Proposed price and within the Bid times indicated in this Proposal and in accordance with the other terms and conditions of the Documents.