



CITY OF MIAMI

ADDENDUM NO. 5

February 12, 2009

INVITATION TO BID NO. 08-09-021

ATHALIE RANGE PARK FIELD IMPROVEMENTS B-39507

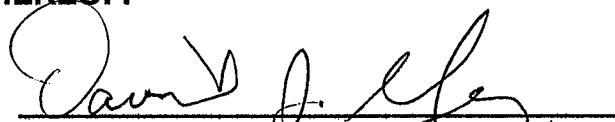
TO: ALL PROSPECTIVE BIDDERS:

The following changes, additions, clarifications, and/or deletions amend the above-captioned Bid/Contract documents, and shall become an integral part of the bid responses and the subsequent contract. Please note the contents herein and affix same to the documents you have on hand.

Request for Information:

- Q1. The drawings and Addendum 3 refer to, but do not include, Miami Dade Standard detail SD 1.1 as controlling the aggregate depth of the French drain. We are unable to locate this detail on the Miami Dade website of design and construction standards and details. Can you provide a copy of this important detail, or direct us to its location on the website?
- A1. The drawing is available on the CIP website a part of this Addendum.

THIS ADDENDUM IS AN ESSENTIAL PORTION OF THE CONTRACT DOCUMENT AND SHALL BE MADE A PART THEREOF.



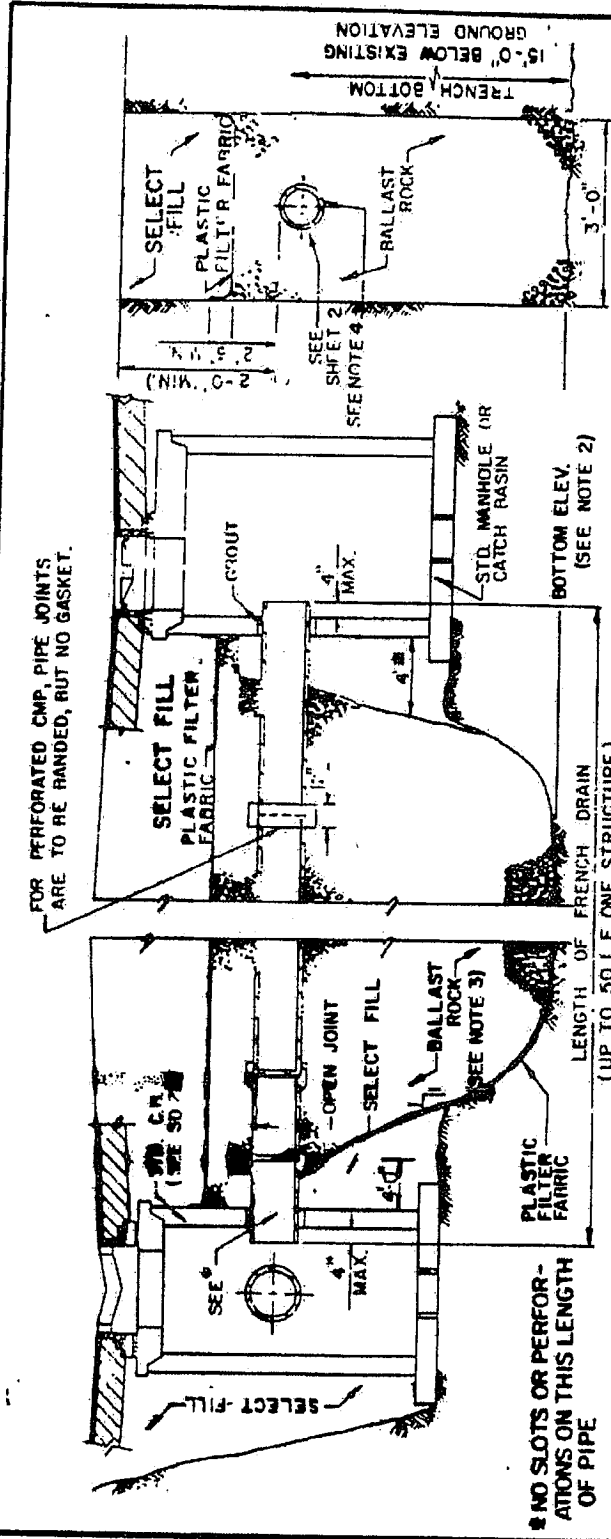
David J. Mendez, P.E., Assistant Director
Department of Capital Improvements Program

This addendum should be signed and dated by Bidder and submitted as proof of receipt with the submission of bids. The Bidder by identifying the addendum number in their bid proposal and by the signing and submission of their bid, shall serve as proof of receipt of this addendum.

NAME OF FIRM: _____

SIGNATURE: _____

DATE: _____

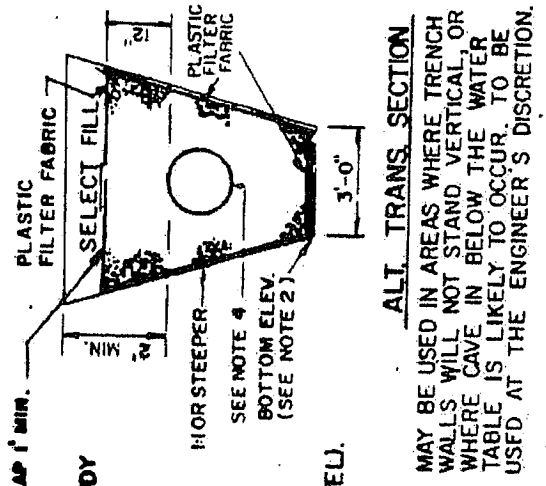


LONGITUDINAL SECTION

TRANSVERSE SECTION

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

NO SLOTS OR PERFORATIONS ON THIS LENGTH OF PIPE



ALL TRANS SECTION

MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

- NOTES:**
1. PLASTIC FILTER FABRIC (AT EA. SIDE TOP AND BOTTOM) 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 W.C. 2.2 (AUG. 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 W.C. 2.2; IF PRETREATMENT HAS BEEN PROVIDED THRU OTHER MEANS THE INVERT OF PIPE CAN BE LOWER THAN SHOWN IN W.C. 2.2.

DRAINAGE PIPE	SEC. 320				
EXFILTRATION TRENCH	SEC. 361				
DESIGN WATER TABLE	DES. MAN.	SEC. D4			
BALLAST ROCK		SEC. 560			
PVMT RESTORATION		R-21.1			
ITEM		CROSS REF.			
		SPEC. REF.			

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT

APPROVED 5/5/86	REVISED
	5/21/81
	6/4/86
	7/7/88
	3/12/90

**STANDARD STORM DRAINAGE DETAIL
EXFILTRATION TRENCH**

SD
1-1
SHEET 1 OF 3

GENERAL NOTES FOR PIPE CULVERTS

THE CONTRACTOR HAS THE OPTION OF
INSTALLING THE FOLLOWING PIPE TYPES:

- A. CONCRETE - SLOTTED PIPE
- B. CORRUGATED STEEL PIPE - BIT COATED BOTH SIDES PER (SEE TABLE BELOW)
- C. CORRUGATED ALUMINUM - (PERFORATED, SEE TABLE BELOW)
- D. CORRUGATED METAL - SMOOTH-LINED PIPE

CORRUGATED STEEL & ALUMINUM PIPE CULVERTS			
PIPE DIAM. (inches)	CONVENTIONAL CMP Approx. No. of $\frac{3}{8}$ " Dia. Holes * (PER LIN. FT. OF PIPE)	SMOOTH LINED	
		OUTER SHELL	LINER
		No of $\frac{3}{8}$ " Dia. Holes (PER LIN. FT. OF PIPE)	No. of $\frac{5}{8}$ " Dia. Holes (PER LIN. FT. OF PIPE)
15	100	100	50
18	120	120	60
24	160	160	80
30	200	200	100
36	240	240	120
42	275	275	140
48	315	315	160
54	355	355	180
60	395	395	200
72	470	470	235
84	550	550	275

NOTE: PERFORATIONS SHALL BE UNIFORMLY SPACED AROUND THE FULL PERIPHERY OF THE PIPE TO WITHIN 4" OF EACH END OF EACH LENGTH OF PIPE. THE NUMBER OF PERFORATIONS PER LINEAR FOOT OF PIPE AND THE DIAMETER OF THE PERFORATIONS SHALL BE AS SHOWN ON THE ABOVE TABLE.

* $\frac{5}{16}$ INCH DIAMETER HOLES MAY BE UTILIZED IN LIEU OF THE $\frac{3}{8}$ INCH DIAMETER HOLES IF THE NUMBER OF HOLES IS INCREASED TO PROVIDE AN EQUAL CROSS SECTIONAL HOLE AREA THE OTHER REQUIREMENTS REMAIN THE SAME

EXFILTRATION TRENCH		SEC 36C
ITEM	CROSS REF	SPEC REF

METROPOLITAN DADE COUNTY PUBLIC WORKS DEPARTMENT	APPROVED <u>5/21/81</u>	REVISED <u>6/4/86</u>	STANDARD STORM DRAINAGE DETAIL EXFILTRATION TRENCH (PIPE CULVERT NOTES)	SD 1.1 SHEET 2 OF 3
---	--------------------------------	------------------------------	---	-----------------------------------