

**CITY OF EL PASO, TEXAS**  
**AGENDA ITEM DEPARTMENT HEAD'S SUMMARY FORM**

**DEPARTMENT:** Engineering

**AGENDA DATE:** September 29, 2009

**CONTACT PERSON/PHONE:** R. Alan Shubert, P.E., City Engineer 541-4423

**DISTRICT(S) AFFECTED:** District 1

**SUBJECT:**

That the City expend additional available funding in the amount of thirty three thousand six hundred ninety and 40/100 dollars (\$33,690.40) to Karlsruhe Inc. DBA CSA Engineers & Constructors to fund additional labor and materials to install 385LF of 8" sewer line along Upper Valley and Country Club Road and increase the contract time 15 days [change order 5] for Contract Number 2009-089, Upper Valley Road Street & Drainage Improvements Phase I, Traffic Circle. The new contract sum including change order 5 is one million eight hundred sixty two thousand sixty and 78/100 dollars (\$1,862,060.78).

**BACKGROUND / DISCUSSION:**

Change order 5 extends the sewer line along Upper Valley and Country Club Road at the request of the PSB to provide service to existing businesses which currently do not have sewer service. The work will be paid for by the PSB.

**PRIOR COUNCIL ACTION:**

City Council awarded the construction contract for Upper Valley Road Street & Drainage Phase I, Traffic Circle Solicitation No. 2009-089 March 24, 2009.

**AMOUNT AND SOURCE OF FUNDING:**

31255008 / 508027 / 27695 / PBE04ST139

FUNDING SOURCE: Public Service Board (PSB)

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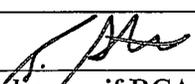
**BOARD / COMMISSION ACTION:**

Enter appropriate comments or N/A

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\*\*\*\*\*REQUIRED AUTHORIZATION\*\*\*\*\*

**LEGAL:** (if required) \_\_\_\_\_ **FINANCE:** (if required) \_\_\_\_\_

**DEPARTMENT HEAD:** \_\_\_\_\_  
(Example:  if RCA is initiated by Purchasing, client department should sign also)  
*Information copy to appropriate Deputy City Manager*

**APPROVED FOR AGENDA:** \_\_\_\_\_

**CITY MANAGER:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**RESOLUTION**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO**

That the City Council approves the expenditure of additional available funding in the amount of Thirty Three Thousand Six Hundred Ninety and 40/100 dollars (\$33,690.40) to Karlsruher Inc., d/b/a CSA Engineers & Constructors, for construction costs for labor and materials to install 385 additional linear feet of 8 inch sewer line along the Upper Valley and Country Club Road and to increase the contract time by 15 days, Contract Number 2009-089, change order number 5. The new contract sum, including change order 5, is one million eight hundred sixty two thousand sixty and 78/100 dollars (\$1,862,060.78).

**ADOPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2009.**

THE CITY OF EL PASO:

\_\_\_\_\_  
John F. Cook, Mayor

ATTEST:

\_\_\_\_\_  
Richarda Duffy Momsen, City Clerk

APPROVED AS TO FORM:



Mark Shoesmith  
Assistant City Attorney

APPROVED AS TO CONTENT:



\_\_\_\_\_  
R. Alan Shubert, P.E.  
City Engineer

**CITY OF EL PASO ENGINEERING DEPARTMENT  
CONTRACT CHANGE ORDER**

DATE: 9/11/2009

PROJECT: UPPER VALLEY ROAD STREET & DRAINAGE IMPROVEMENTS PHASE I - TRAFFIC CIRCLE

TO (Contractor): KARLSRUHER INC DBA CSA ENGINEERS & CONSTRUCTORS

CHANGE ORDER NO.: 5

SCOPE CHANGE       CONSTRUCTION CHANGE

BID NO.: 2009-089

DEPT. ID#: ~~44200405~~ 31255008

PROJ/GRANT/USER: PBE04ST139

FUND: ~~20405~~ 27695

ACCOUNT: 508027

PO NO.: 2009002648

You are directed to make the following changes to this Contract:

Add to Base Bid III:

- 1) Furnish and Install 385 LF of 8" SDR35 sewer line along Upper Valley and Country Club Road, complete in place User Request  
 1 LS @ \$33,690.40/LS = \$33,690.40

Please add five (15) additional days to complete the work listed above.

CHANGE ORDER AMOUNT : 33,690.40

Original Contract Sum	1,773,440.58
Net Change by previous Change Orders	54,929.80
Net Change by previous Construction Quantity Notices	0.00
Contract Sum prior to this Change Order	1,828,370.38
Contract Sum will be (increased) (decreased) (unchanged) <span style="margin-left: 100px;">By this Change Order</span>	33,690.40
New Contract Sum, including this Change Order	1,862,060.78
Total Net Value of Change Orders To Date	88,620.20
Total Net Value of Construction Quantity Notices to Date	0.00
Contract Time will be (increased) (decreased) (unchanged) <span style="margin-left: 100px;">BY ( 15 ) DAYS*</span>	Original Contract Days: 120
	Days by Previous and Current Change Order: 37
	Total Days: 157

\* Subject to the terms of the Contract, GENERAL CONDITIONS, SECTION 2.5

Net Change Order and Construction Quantity Notice Percentage (Not to exceed 25%) 5.00%

CONTRACTOR		CITY OF EL PASO
KARLSRUHER INC DBA CSA ENGINEERS & CONSTRUCTORS		CITY COUNCIL ACTION REQUIRED:  <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes  _____ Date Approved
By:  _____ ROBERT STALLARD <small>Type or Print Name</small> 7/15/09 <small>Date</small>		By:  _____ R. Alan Shubert, P.E. <small>City Engineer</small> 7/14/09 <small>Date</small>

**CITY OF EL PASO  
REQUEST FOR CHANGE ORDER**

TO: Financial Services, Construction Bidding  
FROM: Mauro Monsisvais  
FIRM: City Of El Paso  
Phone No. 541-4013  
DATE: August 24, 2009  
RE: Project: Upper Valley Road Street and Drainage  
Improvements Phase I  
Bid No: 2009-089

Change Order No: 5

Please Indicate Type: Construction     Scope x

Change in Contract Time: 15 Days

Change Order Amount: \$ 33,690.40

Please Indicate Action to PO: Increase x Decrease    

**Justification:**

Add to Base Bid III

(1) Furnish and Install 385 LF of 8" SDR35 sewer line along Upper Valley and Country Club Road, complete in place

1 LS @ \$33,690.40/LS = **\$33,690.40 User Request**

Attachments: Contractor's Cost Proposal  
Problem/Solution Rationalization  
PSB Work Directive

Project Manager Recommends Approval:



Date: 8/24/09

**RECEIVED**

AUG 23 2009

ENGINEERING DEPARTMENT  
CONTRACT COMPLIANCE

# CONSTRUCTION CHANGE ORDER JUSTIFICATION

**Date:** 8/24/09

**RE:** Upper Valley Road Street and Drainage Improvements Phase I  
Solicitation No.: 2009-089

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**Problem:**

- (1) The El Paso Water Utilities has requested that addition sewer line be added to the project in order to provide addition utility services to the surrounding property owners.

**Solution:**

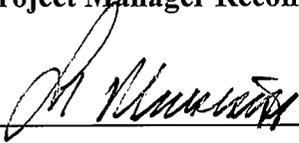
Add to Base Bid III

- (1) Furnish and Install 385 LF of 8" SDR35 sewer line along Upper Valley and Country Club Road, complete in place

1 LS @ \$33,690.40/LS = **\$33,690.40 User Request**

**Total Cost \$33,690.40**

**Project Manager Recommends Approval:**



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Date: 8/24/09



WORK DIRECTIVE CHANGE NO. 1

**PROJECT:** Contract 2009-089  
Upper Valley Phase I-Traffic Circle  
El Paso County

**OWNER:** EL PASO WATER UTILITIES  
PUBLIC SERVICE BOARD  
1154 Hawkins Blvd.  
El Paso, Texas 79925

**CONTRACTOR:** CSA Engineers and Constructors

**CONTRACT FOR:** Construction of water & sewer facilities

**DATE OF ISSUANCE:** 8/18/09

**ENGINEER:** EL PASO WATER UTILITIES

**ENGINEER'S PROJECT NO.** 08-5082/08-9059

You are directed to proceed promptly with the following change(s):

Description:

ADD

1. 385 LF of 8" PVC SDR35 sewer line along Upper Valley Road and Country Club Road.

Purpose of Work Directive Change:

1. Extend sewer main to provide service for 1088 Country Club Road. Sewer main must be installed prior to new paving to avoid future concrete roadway cuts.

Attachments:

1. Contractor's Cost Breakdown
2. PSB Sanitary Sewer System Design, sheets 1 of 2 and 2 of 2.

If a claim is made that the above change(s) have affected Contract Price or Contract Time, any claim for a Change Order based thereon will involve one of the following methods of determining the effect of the change(s).

Method of determining change in Contract Price:

- Time and Materials
- Unit Prices Item
- Cost plus fixed fee
- Other \_\_\_\_\_

Method of determining change in Contract Time:

- Contractor's records
- Engineer's records
- Other City Engineering records

Estimated increase (decrease) in Contract Price:

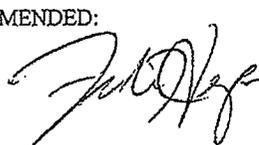
\$ 33,690.40. If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Estimated increase (decrease) in Contract Time:

15 day(s). If the change involves an increase, the estimated time is not to be exceeded without further authorization.

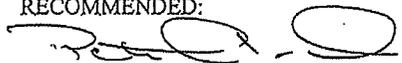
RECOMMENDED:

Engineer

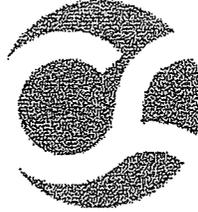
 8/19/09

RECOMMENDED:

Owner

 8/19/09

# Memorandum



CSA Engineers and Constructors  
1845 Northwestern Drive Ste. C  
El Paso, Texas 79912  
Tel (915) 877-4155  
Fax (915) 877-4334

To: Mauro Monsivais, City of El Paso  
From: Fernie Hernandez, CSA Project Manager  
Date: 8/13/2009  
Re: Revised Sewer Line Extension

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Mauro,

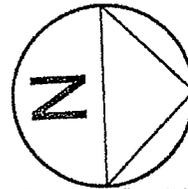
As per your request, we have revised our pricing for the extension of the Sanitary Sewer Line at Upper Valley in accordance to the new drawings provided. We would like to request 15 additional work days to complete the work. If you have any questions, please feel free to contact us.

Thanks,

Fernando Hernandez

Extend Sanitary Sewer	\$29,296.00
<u>General Conditions (15%)</u>	<u>\$ 4,394.40</u>
Total	\$33,690.40

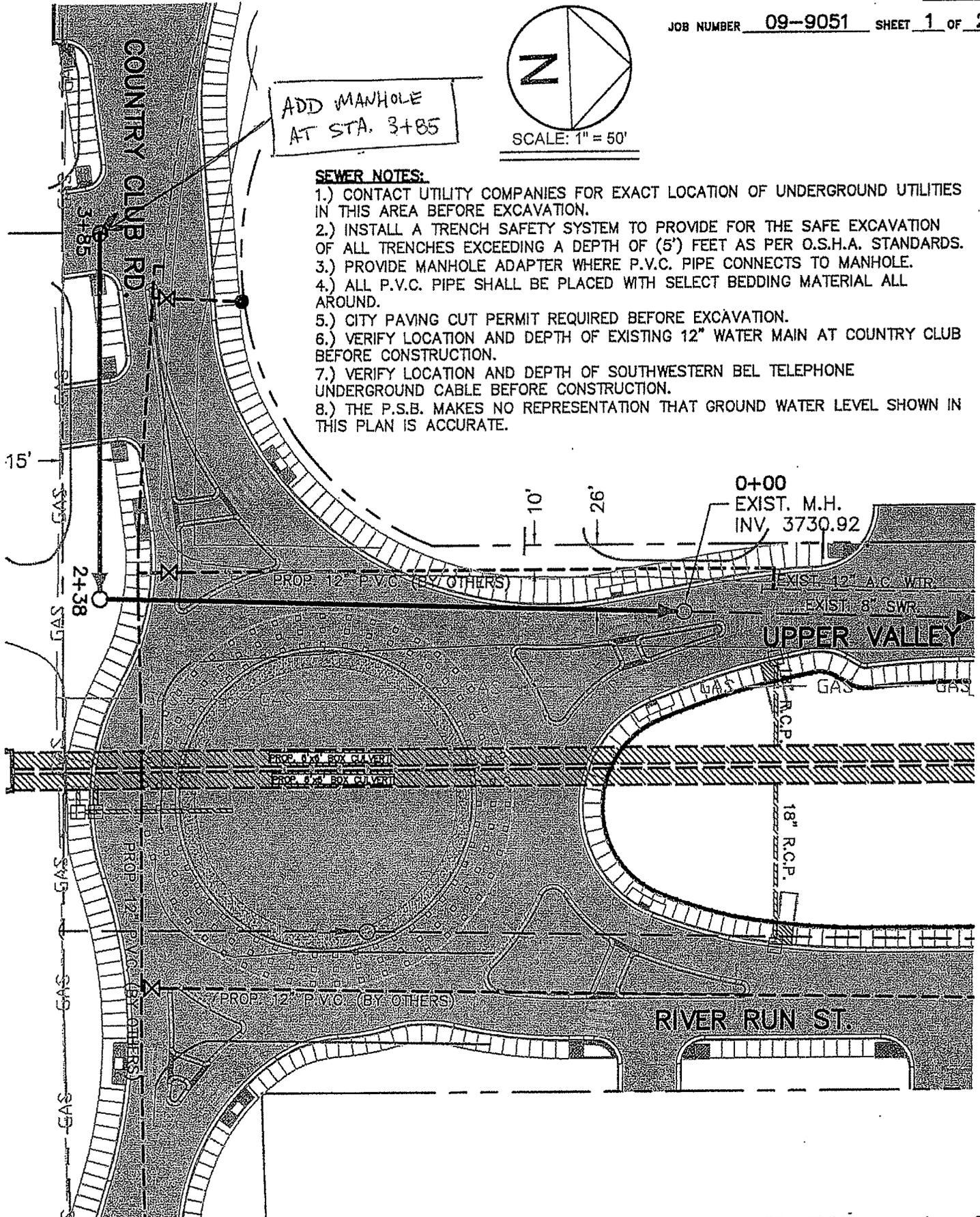
PROPOSED SANITARY SEWER SYSTEM



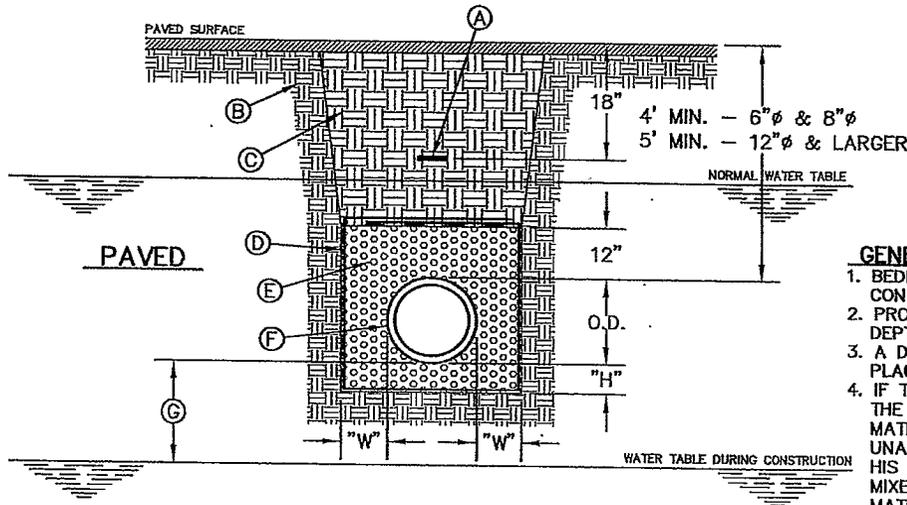
ADD MANHOLE  
AT STA. 3+85

**SEWER NOTES:**

- 1.) CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION.
- 2.) INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF (5') FEET AS PER O.S.H.A. STANDARDS.
- 3.) PROVIDE MANHOLE ADAPTER WHERE P.V.C. PIPE CONNECTS TO MANHOLE.
- 4.) ALL P.V.C. PIPE SHALL BE PLACED WITH SELECT BEDDING MATERIAL ALL AROUND.
- 5.) CITY PAVING CUT PERMIT REQUIRED BEFORE EXCAVATION.
- 6.) VERIFY LOCATION AND DEPTH OF EXISTING 12" WATER MAIN AT COUNTRY CLUB BEFORE CONSTRUCTION.
- 7.) VERIFY LOCATION AND DEPTH OF SOUTHWESTERN BEL TELEPHONE UNDERGROUND CABLE BEFORE CONSTRUCTION.
- 8.) THE P.S.B. MAKES NO REPRESENTATION THAT GROUND WATER LEVEL SHOWN IN THIS PLAN IS ACCURATE.



NOTE All necessary field changes shall have drawings made and approved immediately



**GENERAL NOTES:**

1. BEDDING FOR PRESSURE PIPE IN WET CONDITIONS.
2. PROVIDE TRENCH SAFETY SYSTEM FOR TRENCH DEPTHS GREATER THAN 5 FEET.
3. A DRY TRENCH MUST BE MAINTAINED WHILE PLACING BEDDING AND GEOTECHNICAL FABRIC.
4. IF THE NATIVE MATERIAL EXCAVATED FROM THE TRENCH IS UNSUITABLE AS BACKFILL MATERIAL, OR THE REQUIRED COMPACTION IS UNATTAINABLE, THE CONTRACTOR SHALL, AT HIS EXPENSE, IMPORT SELECT MATERIAL TO BE MIXED WITH OR USED IN PLACE OF THE NATIVE MATERIAL. SELECT MATERIAL MUST BE APPROVED BY EPWU. SUBSTITUTE SOIL CEMENT SLURRY (1-SACK) IF REQUIRED IN SPECS.

**CONSTRUCTION KEY NOTES:**

- A. APPROVED MARKING TAPE.
- B. UNDISTURBED STABLE MATERIAL.
- C. NATIVE MATERIAL BACKFILL.  
PAVED CONDITION: COMPACT TO 90% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.  
UNPAVED CONDITION: COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR. (\*SEE NOTE #4 IF THESE PREVIOUS CONDITIONS CANNOT BE MET.)
- D. APPROVED GEOTECHNICAL FABRIC WITH A STANDARD OVERLAP THAT IS 2 FEET EXCEPT WHERE TRENCH WIDTH EXCEEDS 3 FEET, THE OVERLAP AT TOP SHALL BE 3 FEET.
- E. USE CLASS I GRAVEL PER ASTM D-2321 AND D-2487. NO COMPACTION REQUIRED. USE MINIMAL TAMPING, RODDING OR HAUNCH SLICING CAREFULLY IN THE EMBEDMENT ZONE. IF REQUIRED BY THE ENGINEER, TEST PER ASTM D-4254 PERCENT OF RELATIVE DENSITY.
- F. APPROVED PIPE.
- G. 18" MINIMUM UNLESS OTHERWISE SPECIFIED.
- H. TRENCH DIMENSIONS AS FOLLOWS:

PIPE DIAMETER	"H"
8" - 30"	4"
GREATER THAN 30"	6"

PIPE DIAMETER	"W"
8" - 30"	8"
GREATER THAN 30"	12"

**EMBEDMENT CLASS "C" FOR GRAVITY PIPE WET CONDITIONS**  
N.T.S.

