

From: [Norma Ceballos](mailto:Norma.Ceballos@co.hidalgo.tx.us)
To: "[Oscar Garza](mailto:Oscar.Garza@co.hidalgo.tx.us)"
Subject: FW:
Date: Tuesday, June 07, 2011 4:44:57 PM

From: Norma Ceballos [<mailto:norma.cebaldos@co.hidalgo.tx.us>]
Sent: Tuesday, June 07, 2011 4:44 PM
To: 'Norma Ceballos'
Subject: RE:

Oscar,

Please make corrections; the project is Intersection of Mile 2 and Abram Rd. account # 1-1339-431-00-123-092-0-733. I will prepare agenda item for the funding.

Thanks.

From: Norma Ceballos [<mailto:norma.cebaldos@co.hidalgo.tx.us>]
Sent: Thursday, June 02, 2011 10:45 AM
To: 'Oscar Garza'
Subject:

Oscar,

Please proceed with requesting authorization to advertise for Bore Method for the Bentsen Palm Drive Drainage Improvement project. If you need additional information, please contact David Henry, Director for Drainage Improvement Project at (956) 587-1026. The project will be fund by account #1-1339-431-00-123-084-0-733.

Thank you in advance for your assistance.

*Norma G. Ceballos
Hidalgo County Precinct #3
Office of Commissioner Joe M. Flores
724 N. Breyfogle Rd.
Mission, Texas 78574
(956)585-4509*

Bid No: 2010-174-07-06-OGG	Buyer: Oscar Garza, Procurement Specialist	Tel. No: (956) 318-2626 X-4857
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REQUEST FOR BIDS

HIDALGO COUNTY PRECINCT NO. 3

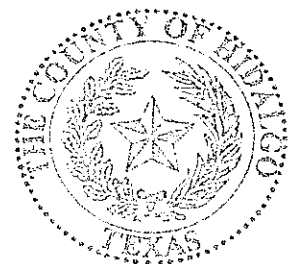
**“DRAINAGE IMPROVEMENT TO 2 MILE LINE DRY BORE METHOD TO
ABRAM RD CANAL CROSSING”**

**BID OPENING DATE:
JULY 07, 2011**

Contact Person:

Martha L. Salazar, CPPB, Purchasing Agent
Hidalgo County Purchasing Department
2802 S. Bus Hwy 281 New Administration Building
Edinburg, Texas 78539

Rev. 04/15/09 DLB



956 318-2626
LEGAL NOTICE

Form HCPD-03
BID NO: 2011-174-07-06-OGG

1. Sealed bids will be received for **"BID-2011-07-06-OGG - HIDALGO COUNTY PRECINCT NO.3 – "DRAINAGE IMPROVEMENT TO 2 MILE LINE DRY BORE METHOD TO ABRAM RD CANAL CROSSING"**, in accordance with the specifications attached as Exhibit "A" hereto. Bids should address all specifications set forth. Bidders may suggest substitutions of features which they feel would be in the best interest of Hidalgo County ("County"). Strong rationale must be presented for any deviation from the specifications. Hidalgo County reserves the right to reject the deviation and its effect on the overall bid.

2. One (1) original and Three (3) copies of all bids are required with the bidders name and return address clearly typed/printed on upper left hand corner and the proper notation clearly typed/printed on the lower left hand corner of the envelope and/or package: **"BID-2011-07-06-OGG - HIDALGO COUNTY PRECINCT NO.3 – "DRAINAGE IMPROVEMENT TO 2 MILE LINE DRY BORE METHOD TO ABRAM RD CANAL CROSSING"**, and in County's Purchasing Department, 100 E. Cano, 4th Floor, Administration Building, Edinburg, Texas, **on or before 9:30 A.M., WEDNESDAY, July 06, 2011. NO FACSIMILES OR LATE ARRIVALS WILL BE ACCEPTED. ANY RFB RECEIVED AFTER THAT TIME WILL NOT BE OPENED AND WILL BE RETURNED. OVERNIGHT MAIL MUST ALSO BE PROPERLY LABELED ON THE OUTSIDE OF EXPRESS ENVELOPE OR PACKAGE WITH REFERENCE TO "BID-2011-07-06-OGG - HIDALGO COUNTY PRECINCT NO.3 – "DRAINAGE IMPROVEMENT TO 2 MILE LINE DRY BORE METHOD TO ABRAM RD CANAL CROSSING"**, Hidalgo County reserves the right to refuse and reject any/all RFB and to waive any/all formalities or technicalities, or to accept the RFB considered the best and most advantageous to Hidalgo County Hidalgo County reserves the right to refuse and reject any/all bids and to waive any/all formalities or technicalities, or to accept the bid considered the best and most advantageous to Hidalgo County

3. Hidalgo County reserves the right to: A. separate and accept, or eliminate any item(s) listed under this bid that it deems necessary to accommodate budgetary and/or operational requirements; B. reject any or all bids submitted and further reserves the right to design the evaluation criteria to be used in selecting the lowest and best bid for approval; and C. award the bid to one bidder or to multiple bidders if the County determines it is in its best interest to do so."

4. The Bidder shall not substitute items named in the bid without the express written consent of Hidalgo County. Failure of the delivered item to perform as specified or failure to meet the stated delivery schedule shall release Hidalgo County from all obligations to the contracting party with regard to the item(s) in question. In such event, County may elect to award the contract to the next-lowest responsible bidder, or to reject all bids and re-advertise.

5. For work to be performed at a County owned or operated location, each bidder shall, in its sole discretion, visit the job site before preparing the bid and thoroughly familiarize himself/herself with existing conditions. Bidder should take field dimensions and note all circumstances which affect the dollar amount of the bid.
6. Descriptive specifications are referenced in this document to indicate the general kind and quality of equipment desired by Hidalgo County. Due to various styles and models of equipment, bidders are required to include illustrations, specifications, explanation of warranties, and service data with their bid including catalogue numbers and any necessary references.
7. No bid may be withdrawn within thirty (30) days from the scheduled time to open bids.
8. Proposed prices are to remain firm for a minimum of ninety (90) days after bid opening.
9. Any interpretations, amendments, corrections or changes to this bid document must be in a written addendum and signed by the County Judge or his designee. Addenda will be mailed to all who are known to have received a copy of the Request for Bids. Bidders shall acknowledge receipt of all addenda as a part of their bid.
10. County reserves the right to accept or reject any or all bids.
11. Costs are to be net F.O.B., County Prepaid.
12. County is exempt from Federal Excise Tax, State Tax and Local Tax. Do Not include tax in cost figure. If it is determined that tax was included in the cost figures it will not be included in the tabulation of any awards. Tax exemption certificates will be furnished upon request.
13. Funds for this procurement have been provided through the County budget for this fiscal year only. County, on an annual basis, has the right to reconsider a contract during the budget process for ensuing years if financial resources of County are insufficient to meet the liabilities of said contract. The award of a bid or contract hereunder will not be construed to create a debt of the County which is payable out of funds beyond the current fiscal year.
14. Upon award and prior to execution of a contract, Sole Proprietorships are required to submit a copy of their social security cards to the Hidalgo County Auditor's Office in order to establish an account with the County. All awarded vendors must submit a completed W-9 and a copy of their Federal ID Number Certificate.
15. DELIVERY INSTRUCTIONS:

- No deliveries accepted after 3:00 P.M., Monday-Friday.
- At least seventy two (72) hours prior notice of delivery must be given to Martha L. Salazar, Purchasing Agent before delivery will be accepted.
- If you need additional information call the office listed below:
 Hidalgo County Purchasing Department
 Martha L. Salazar, Purchasing Agent
 (956) 318-2626

16. BILLING AND PAYMENT INSTRUCTIONS:

- Invoices must include:
 - a) Name and address of successful bidder
 - b) Name and address of receiving department or official
 - c) Purchase Order Number (if any)
 - d) **Contract Number**

d) Notation –

"BID-2011-07-06-OGG - HIDALGO COUNTY PRECINCT NO.3 – "DRAINAGE IMPROVEMENT TO 2 MILE LINE DRY BORE METHOD TO ABRAM RD CANAL CROSSING".

Descriptive information as to the items or services delivered, including product code, item number, quantity, etc.

- Discount payments will be considered when offered.
- Contact person for Billing and Payment questions:

Hidalgo County Precinct No 3
 David Henry
 FM 2221 & Iowa Rd.
 Mission, TX 78572

17. Schedule of Events

Bid Opening, 9:30 AM	<u>July 06</u> , 2011
Award of Contract	_____, 2011
Commence Work or Deliver Products	_____, 2011

18. Bid or Performance Bond and Debarment Certification; Payment under Contract:

. If the contract proposed is for the construction of public works or is for a contract for goods & services exceeding \$100,000, all bidders shall furnish a good and sufficient bid bond in the amount of five percent of the total contract price. A bid bond must be executed with a surety company authorized to do business in Texas. All bidders are also required to furnish a certification or acknowledgment stating that the contractor or vendor is free from suspension or debarment pursuant to federal regulation 45CFR Part 76.

. Together with the signing of a contract or issuance of a purchase order following the acceptance of a bid, and prior to commencement of the actual work, the bidder shall furnish a performance bond to the County for the full amount of the contract, if that contract exceeds \$50,000.

. If the contract is for \$50,000 or less, no money will be paid to the contractor until completion and acceptance of the work or the fulfillment of the purchase obligation to the County, and, if applicable, the receipt by County of satisfactory evidence that all subcontractors and material men have been paid.

. If a contract is for the construction, alteration or repair of public buildings or public works, the contractor *shall* provide a payment bond for a contract in excess of Twenty Five Thousand Dollars (\$25,000.00), as required by Tex. Govt. Code Ch. 2253.

. For requirements contracts, bond requirements are determined by applying the proposed unit price to the estimated quantities included in the specifications.

19. Ethical Standards:

. It shall be a breach of ethics to offer, give or agree to give any elected official, department head or employee, or former elected official, department head or employee, of the County, or for any elected official, department head or employee or former elected official, department head or employee of the County, to solicit, demand, accept or agree to accept from another person, entity or organization, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefore pending before any department or agency of the County.

. It shall be a breach of ethics for any payment, gratuity or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor for any contract for the County, or any person associated therewith, as an inducement for the award of a subcontract or order.

. No public official shall have an interest in a contract awarded hereunder except in accordance with Tex. Loc. Govt. Code Chapter 171.

20. Disclosure of Conflict of Interest

. Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor, person, consultant or contractor considering doing business with Hidalgo County ("the County") to disclose in the Conflict of Interest Questionnaire (the "CIQ") attached as Exhibit D, the vendor, person, consultant or contractor's affiliation or business relationship that might cause a conflict of interest with the County. By law, the CIQ must be filed with the Hidalgo County Clerk's Office no later than the seventh business day after the date the person becomes aware of facts that require that statement to be filed. The disclosure requirement applies to a person or business who contracts or seeks to contract with Hidalgo County for the sale or purchase of property, goods or service. Any purchase order or contract resulting from this process shall be considered null and void if the successful bidder fails to comply with Texas Local Government Code Chapter 176. Vendors, consultants, contractors and others who desire to conduct business with Hidalgo County are encouraged to refer to Texas Local Government Code Chapter 176 for the details of this law. An offense under Texas Local Government Code Chapter 176 is a Class C Misdemeanor.

Please Submit completed CIQ forms to the Hidalgo County Clerk's Office located at 100 N. Closner, Edinburg, Texas 78539-Hidalgo County Courthouse

COMPLETION AND SUBMISSION OF FORM CIQ IS THE SOLE RESPONSIBILITY OF THE PROSPECTIVE BIDDER.

21. If, during the life of any contract or bid awarded, the successful bidder's net prices generally available to other customers for items awarded herein are reduced below the contracted price, it is understood and agreed that the benefits of such reduction shall be extended to County.

22. Bids, and all goods and services provided there under, shall comply with all federal, state and local laws concerning this type(s) of goods and/or services. **Bidder, at the time of submitting bid, MUST submit Certificate of Account Status (as provided by the Texas Comptroller of Public Accounts), indicating bidder is in good standing with**

its franchise tax reports and payments. The Certificate of Account Status is required by Hidalgo County in order to conduct any financial business transactions. Perspective bidders may access this pertinent information through the Texas Comptroller of Public Account website: www.window.state.tx.us/tax/info/

23. Minimum Standards For Responsible Prospective Bidders: A prospective bidder must affirmatively demonstrate bidder's responsibility. A prospective bidder, by submitting a bid, represents to County that it meets the following requirements:
 - . Possess or is able to obtain adequate financial resources as required to perform under the bid;
 - . Be able to comply with the required or proposed delivery schedule;
 - . Have a satisfactory record of performance;
 - . Have a satisfactory record of integrity and ethics;
 - . Be otherwise qualified and eligible to receive an award.
 - .
24. Successful bidder will pay or cause to be paid, without cost or expenses to County, all FICA, FUTA/SUTA and Federal Income Withholding Taxes of all employees, and all wages and benefits as required by Federal or State law. Successful bidder's officers, agents and/or employees will not be entitled to any benefits of an employee or elected official of County, including, but not limited to, benefits associated with County's civil service system.
25. Any contract award to a successful bidder will be in effect until (a) the contract expires, (b) delivery and acceptance of products, and/or performance of services ordered, or (c) terminated by County with thirty day's written notice prior to cancellation.
26. County reserves the right to enforce performance of any contract awarded hereunder in any manner prescribed by law or deemed to be in the best interest of the County in the event of breach or default by successful bidder; County reserves the right to terminate any contract immediately in the event a successful bidder fails to:
 - A. Meet schedules;
 - B. Pay any required fees or taxes; or
 - C. Otherwise perform in accordance with the specifications.
27. Successful bidder shall defend, indemnify and save harmless County and all its elected officials, officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful bidder, or of any agent, employee, subcontractor or supplier of successful bidder in the execution of, or performance under, any contract which may result from bid award or which arises from any event or casualty happening on or within

County premises themselves or happening upon or in any halls, elevators, entrances, stairways or approaches of or to such County facilities. Successful bidder shall pay any judgment with costs which may be obtained against County growing out of such injury or damages, and shall, upon request, provide a defense to County by counsel reasonably acceptable to County. Successful bidder's indemnity hereunder shall include, but is not limited to, claims relating to patent, copyright or trademark infringement, and the like, arising out of the goods and services provided by successful bidder.

28. Successful bidder shall warrant that all items/services shall conform with the specifications and/or all warranties provided under the Uniform Commercial Code and be free from all defects in material, workmanship and the like. Items supplied under a contract pursuant to this Request for Bids shall be subject to County's approval. Items found to be defective or not meeting specifications shall be replaced by successful bidder within two business days at no expense to County. Items not picked up within one (1) week after notification shall be deemed a donation to County and may be used or disposed of at County's discretion and without waiver of any other rights of County as to the item's nonconformity.
29. This document and any disputes arising hereunder shall be governed and construed according to the laws of the State of Texas, and will be performable exclusively in Hidalgo County, Texas.
30. The successful bidder shall not assign, sell, transfer or convey its rights under any awarded contract, in whole or in part, without the prior written consent of County.

Bid
HIDALGO COUNTY PRECINCT NO.3
“DRAINAGE IMPROVEMENT TO 2 MILE LINE DRY BORE METHOD TO ABRAM
RD CANAL CROSSING”.
BID NO.: for
Project #2011-07-06-OGG

To: Martha L. Salazar, CPPB, Purchasing Agent
Hidalgo County Purchasing Department
2802 S. Business Hwy 281 - New Administration Building
Edinburg, Texas 78539

In accordance with the Specifications, and subject to all laws and regulations of the United States and state and local laws, the undersigned bidder proposes and commits to furnish all labor, equipment, material, software and services as set forth in the documents hereinbefore mentioned. The undersigned bidder further agrees, upon acceptance of its bid, to execute a contract and/or Purchase Order issued by Hidalgo County for performing and completing the work described in the Specifications within the time stated and for the prices proposed in the documents attached hereto and made a part hereof.

Bidder acknowledges receipt of all of the pages of the documents referenced in the Invitation to Bid Checklist presented in connection with this procurement. Bidder understands that Hidalgo County reserves the right to reject any or all bids and further reserves the right to design the evaluation criteria to be used in selecting the lowest and best bid.

Bidder agrees that this bid shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving bids, as contained in the Specifications.

Respectfully submitted,

Bidder:

Address:

By:

Printed Name:

Title:

THE STATE OF TEXAS :
:
COUNTY OF HIDALGO :

**SERVICE CONTRACT
C-00-00-00-00**

THIS CONTRACT is made and entered into this ____ day of _____, 200 by and between the **COUNTY OF HIDALGO, TEXAS** ("County"), and _____ a Texas Corporation. ("Company").

WHEREAS, Company responded to advertised notices for bids for A _____ @ of _____ (the "Services"); and

WHEREAS, Company submitted a bid to provide services in accordance with the specifications as bid, a copy of such specifications and bid being attached hereto as Exhibits "A" and "B" respectively, and incorporated herein for all purposes (the "Specifications"); and

WHEREAS, in recognition of and in consideration of Company's agreement to perform the Services in accordance with Specifications, the Commissioners Court of County awarded the bid to Company.

NOW, THEREFORE in mutual consideration of the foregoing and the further consideration of the following, the parties hereto agree as follows:

1. County and Company hereby agree that this Contract is entered into in order to provide the Services to locations at _____. This Contract does not extend to any third parties any duties or benefits conferred in any manner hereunder or otherwise.
2. Company hereby promises and agrees to render and provide, during the term of this Contract, and shall be obligated to render and provide the Services in accordance with the

Specifications within **Hidalgo County** following a request for Services by the **Department Head, Commissioner, Sheriff or** his designated agent. Company agrees in performing the Services that it will use proper professional standards, comply with any and all appropriate laws and regulations in providing the Services, and devote such time as is necessary to safely and efficiently provide the Services.

3. This Contract shall be for a period beginning _____ and ending on _____ and may be extended at the sole discretion of County for an additional sixty (60) days, unless this Contract is terminated pursuant to the provisions herein, whichever occurs first.

4. As a condition of this Contract, Company shall hold and maintain throughout the term of this Contract all licenses and permits required, or which may be required by any authority during the term hereof to provide the Services.

5. All trucks or vehicles operated by the Company to perform the Services shall contain all equipment required by any authority to operate on streets and roads and all persons in the employ of Company who operate such trucks or vehicles shall have the required licenses, qualifications, skill and expertise to perform such Services and shall comply with all laws, rules and regulations prescribed by any agency or authority having jurisdiction with regard to the operation of such trucks or vehicles in providing the Services.

6. As consideration for rendering the Service provided for in this Contract, the County agrees to pay Company the amounts specified in Exhibit "B" attached hereto payable against written invoice submitted by Company.

7. Company shall provide insurance in force on all its vehicles and all persons connected

with providing services under this Contract naming County as an additional insured (with the coverages and in the amounts described on Exhibit "C" attached hereto and incorporated herein at this point for all purposes), and shall furnish to County certificates of such insurance coverage.

8. Company shall provide a sufficient number of trucks, vehicles, personnel and equipment available to safely and efficiently provide the Services.

9. Company shall indemnify and hold harmless County, its elected officials, employees and agents from any and all claims, damages, losses, and expenses including attorney's fees for the defense of any action against County arising out of, resulting from, or connected with the provision of the Service by Company under this Contract. Said indemnity shall cover any act or failure to act by the Company, its agents or employees.

10. This Contract shall not be assignable in whole or in part by either party without prior written consent of the other party.

11. It is expressly agreed that this Contract and the performance by the parties hereunder does not create any agency relationship or master-servant relationship, that County has no supervision of the performance of the Services provided by Company, and that Company is an independent contractor under this Contract.

12. Any notice required or permitted to be given hereunder shall be in writing and shall be delivered personally or sent by certified mail, postage prepaid, as set forth below:

If to County:

**The County of Hidalgo
Attn: County Judge
100 E. Cano
Edinburg, Texas 78539**

If to Company

13. In case any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

14. This Agreement may be terminated by either party without cause upon thirty (30) days written notice.

15. This Agreement shall be binding upon and inure to the benefit of and be enforceable by the parties hereto and their respective heirs, executors, administrators, legal representatives, successors, and assigns where permitted by this Agreement.

16. This Agreement shall be governed by and construed in accordance with the laws of the State of Texas and shall be performable in Hidalgo County.

DRAFT

WITNESS our hands in duplicate originals this _____ day of _____, 200__.

Approved by Commissioners= Court on, _____ day of _____, 200__.

COUNTY OF HIDALGO

ATTEST:

By: _____
Juan D. Salinas, III, County Judge

Arturo Guajardo Jr., County Clerk

COMPANY: _____
By: _____
Printed Name: _____
Title: _____

APPROVED AS TO FORM
Atlas & Hall, L.L.P.

By: _____

DRAFT

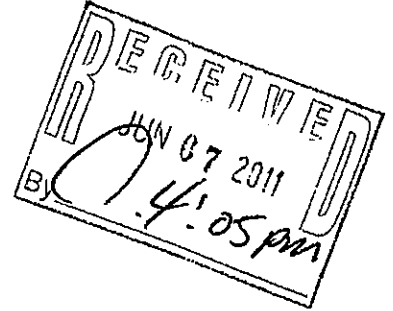
DRAFT

JAVIER HINOJOSA ENGINEERING/Consulting Engineers

416 E. Dove Avenue • McAllen, Texas 78504

Tel: (956) 668-1588 • Fax: (956) 994-8102

javhin@rgv.rr.com
TBPE FIRM NO. F-1295



MEMORANDUM

To: Hidalgo County
Attn: Mr. Oscar Garza, Procurement Specialist
From: Javier Hinojosa, P.E. *JH*
Subject: Mile 2 North and Abram Road Drainage Crossing
Date: June 7, 2011

Attached please find one set of construction plans as requested for the proposed bore under the H.C.I.D. No. 6 Canal located at the southeast corner of Mile 2 North and Abram Road. If you have any questions or require further information, please feel free to contact me at your convenience.

cc: Norma Ceballos, Hidalgo County Precinct No. 3

- 1 - STORM DRAINAGE PLAN AND PROFILE
- 2 - STANDARD STORM DRAINAGE DETAILS

HIDALGO COUNTY OFFICIALS

RAMON GARCIA COUNTY JUDGE
JOEL QUINTANILLA COUNTY COMMISSIONER PRECINCT NO. 1
HECTOR "TITO" PALACIOS COUNTY COMMISSIONER PRECINCT NO. 2
JOE M. FLORES COUNTY COMMISSIONER PRECINCT NO. 3
JOSEPH PALACIOS COUNTY COMMISSIONER PRECINCT NO. 4

JAVIER HINOJOSA ENGINEERING
CONSULTING ENGINEERS

416 E. DOVE AVENUE McALLEN, TEXAS 78504
PHONE (956) 668-1588
TBE FIRM NUMBER F-1295
javhin@rgv.rr.com

JUNE, 2011

ITCH
TIVE
ILETS

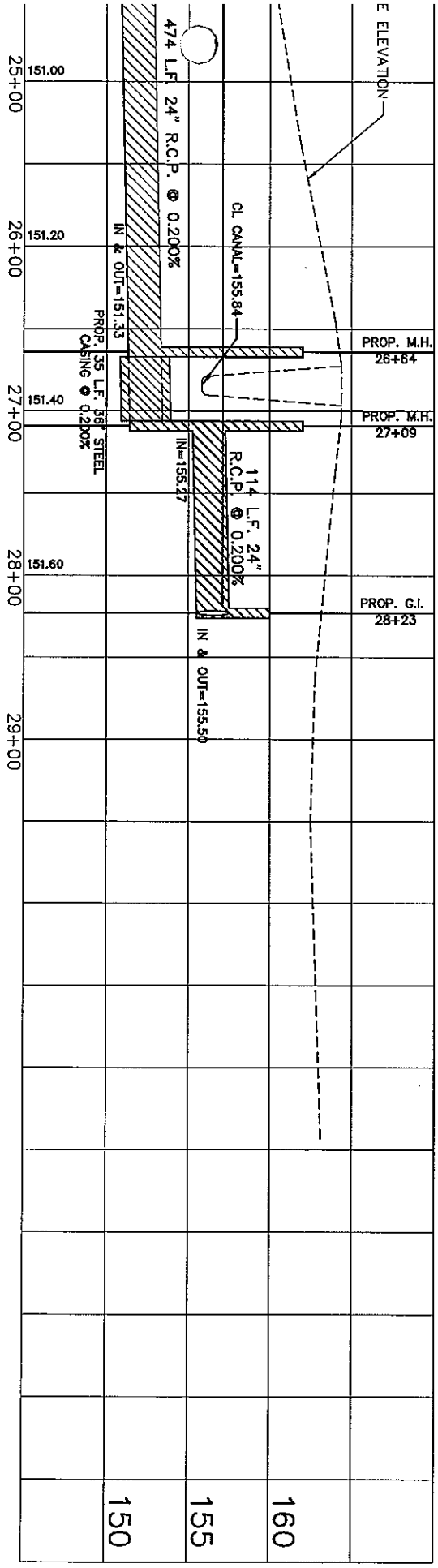
TOP=152.00
INV=151.33

MILE 2 NORTH
E.O.C.A.L.=162
E.O.C.A.L.=161

IN=155.27(N)
INV=151.42

IN=155.50
INV=155.50

LINE "AA"



- LEGEND**
- BRCK WALL BOX
 - EXST. NATURAL GROUND
 - EXST. EDGE OF PAVEMENT
 - EXST. CENTER LINE
 - EXST. FIBER OPTIC BOX
 - EXST. CONCRETE ALLEY
 - EXST. UNDERGROUND ELECTRIC
 - EXST. TELEPHONE LINE
 - EXST. TELEPHONE LINE
 - EXST. 4" WATER LINE
 - EXST. STREET SIGN
 - EXST. POWER POLE
 - EXST. CUP WIRE
 - EXST. MAN BOX
 - EXST. BLOW OFF WATER VALVE
 - EXST. WATER VALVE
 - EXST. WATER METER
 - EXST. IRON PIPE
 - EXST. 2ND IRON PIPE
 - EXST. GAS LINE WALKER
 - EXST. TELEPHONE CONTROL BOX
 - EXST. OVERHEAD ELECTRIC
 - EXST. TELEPHONE LINE
 - EXST. TELEPHONE LINE
 - EXST. FENCE LINE
 - EXST. PAVEMENT
 - EXST. CONCRETE DRIVEWAY

ENGINEERING
NEERS
4, TEXAS 78504
588
-1295

STORM DRAINAGE PLAN & PROFILE
LINE "AA"
MILE 2 NORTH AND ABRAM ROAD - DRAINAGE OUTFALL
HIDALGO COUNTY PRECINCT No. 3

SHEET
2
OF 3 SHEETS

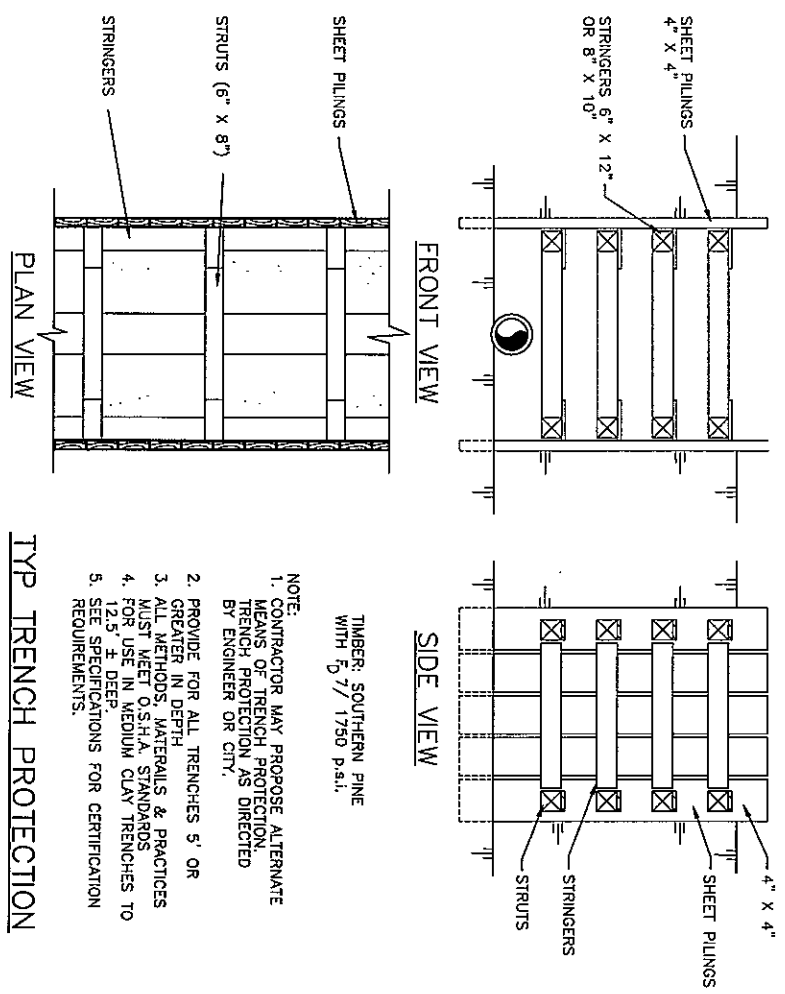
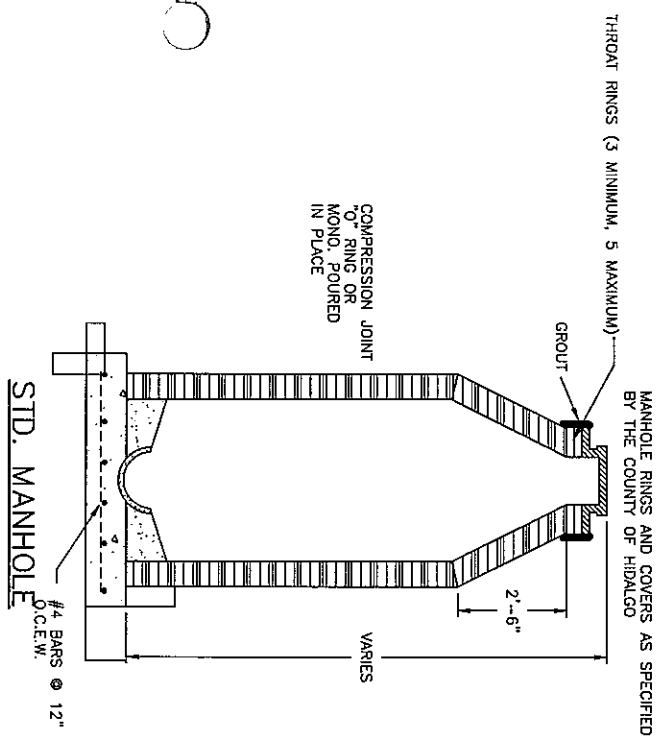
C-2. (STATE MAINTAINED ROADWAYS) COMPACTED SAND/CEMENT STABILIZED BACK FILL WITH 7% PORTLAND CEMENT COMPACTED AS PER ASTM D-4253 AND ASTM D-698

D. SELECT EARTH BACK FILL COMPACTED TO 95% STD. PROCTOR DENSITY (1 1/2" LIFTS, MECHANICAL COMPACTOR) FOUNDATION PREPARATION (WELPPOINTS, GRAVEL OR CEMENT STABILIZATION, OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS UNSTABLE. BACK FILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 95% STD. PROCTOR DENSITY (USE RELATIVE DENSITY TEST PER ASTM D-4253 & ASTM D-698). THE THICKNESS OF EACH LOOSE LAYER SHALL NOT EXCEED 6". STRUCTURE BACK FILL MATERIAL SHALL BE SAND, APPROVED SITE SOIL, OR OTHER APPROVED SUBSTITUTE.

STORM SEWER (LOW PRESSURE PIPE)

SCALE: N.T.S.

NOTE: SHOULD A CONFLICT BETWEEN THIS STANDARD AND THE RECOMMENDATION OF ANY GEOTECHNICAL REPORT ARISE, WRITTEN APPROVAL MUST BE RECEIVED BY CONTRACTOR FROM THE HIDALGO COUNTY. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF EITHER.



REINFORCING: #4 BARS @ 12" O.C.E.W.
CONCRETE: 6 SACK 4000 P.S.I. MIN.
"H" DIMENSION AVAILABLE IN 6" INCREMENTS
FROM 3'-0" TO 7'-6"
APPROXIMATE WEIGHT 1300# PER VERT. FOOT

GRADED INLET DETAILS

BOTTOM TO BE CAST IN PLACE SECTION A-A

- NOTE:
1. CONTRACTOR MAY PROPOSE ALTERNATE MEANS OF TRENCH PROTECTION, TRENCH PROTECTION AS DIRECTED BY ENGINEER OR CITY.
 2. PROVIDE FOR ALL TRENCHES 5' OR GREATER IN DEPTH.
 3. ALL METHODS, MATERIALS & PRACTICES MUST MEET O.S.H.A. STANDARDS.
 4. FOR USE IN MEDIUM CLAY TRENCHES TO 12.5' ± DEEP.
 5. SEE SPECIFICATIONS FOR CERTIFICATION REQUIREMENTS.

TIMBER: SOUTHERN PINE WITH 7/1750 P.S.I.

TYP TRENCH PROTECTION

ENGINEERING
INTEERS
N. TEXAS 78504
1588

STANDARD STORM DRAINAGE DETAILS
HIDALGO COUNTY PRECINCT No.3 DRAINAGE IMPROVEMENTS
MILE 2 NORTH AND ABRAM ROAD
PROPOSED 36" BORE UNDER H.C.I.D. No. 6 CANAL
HIDALGO COUNTY, TEXAS

SHEET 2 OF 2 SHEETS
100804A