

PUBLIC NOTICE

Notice is hereby given that the County of Webb is now accepting sealed proposals for the improvements and rehabilitation of the down steam slope of the Casa Blanca Dam in Laredo, Texas.

Bid 2011-17-1 "Improvements and Rehabilitation of the down slope of the Casa Blanca Dam"

Sealed bids must be submitted with (1) original and (8) eight copies in one sealed envelope to the Office of the Webb County Clerk.

Sealed envelopes must be marked (Sealed-Bids) with proposal number on front lower left hand corner of envelope.

Bids must be hand delivered or mailed to the following location:

Webb County
Webb County Justice Center
1110 Victoria St., Suite 201
Laredo, Texas 78042

A pre-bid conference meeting will be held on Wednesday, December 28, 2011 at 10:00A.M. at the Webb County Purchasing Department Conference Room, 1110 Washington, Suite 101, Laredo, Texas 78040.

Bids must be delivered no later than Wednesday January 4, 2012 at 2:00 P.M. at which time all bids will be opened and read aloud. Late proposals received after the time and date specified will have no consideration and be returned to respective bidder sealed and unopened.

Plans and specifications may also be viewed at web-site www.webbcountytexas.gov under Purchasing Agent, Public Notices. The County of Webb reserves the right to reject any or all bids.

If any additional information is required please contact Leticia Gutierrez at Webb County Purchasing Department, 1110 Washington Suite 101, 956-523-4125.



Dr. Cecilia May Moreno
Webb County Purchasing Agent

Published
Tuesday December 20, 2011
Tuesday, December 27, 2011

THIS FORM MUST BE INCLUDED WITH Bid Package; PLEASE CHECK OFF EACH ITEM AND SIGN

“Sealed Bid”

Bid No. 2011-17-1 “Improvements and Rehabilitation of the down slope of the Casa Blanca Dam”

- Notice of Bidders
- Specifications
- Price Bid Sheet
- Conflict of Interest
- Bidders Information
- Texas Worker Compensation
- Bid Bond
- Terms and Conditions
- Delinquent Tax Owed to Webb County

Signature

Webb County

Bid 2011-17-1 "Improvements and Rehabilitation of the down slope of the Casa Blanca Dam"

Section 1 – Introduction

1.1 Scope of Work

1.2 Furnishing the labor, materials, equipment, and testing for the improvements and rehabilitation of the downstream slope of the Casa Blanca Dam in Laredo, Texas; County of Webb.

1.3 Contract Terms

1.4 Contract will begin after the Webb County Commissioner's Court has awarded the contract and after the attorney has prepared the contract for approval by the Webb County Commissioner's Court.

Section II – Statement of Work

11.1 Service Requirements

11.2 Clearing and grubbing of the downstream slope of the Casa Blanca Dam. Demolition and removal of existing old asphalt road at the base of the South side of the dam. Contractor is to remove and properly dispose of all materials off site.

11.3 Grade, fill and compaction of existing materials from the downstream two (2) to one (1) slope of the existing dam to a reconfigure three (3) to one (1) slope (according to plan specifications). This item shall include the cost of excavation, filling, grading, can compaction of onsite material.

11.4 Grade, fill and compaction (according to specifications) of 12 inches of suitable non-dispersive materials imported from offsite. This item shall include the cost of offsite materials and its proper placement and erosion control (seeding and regional grasses and their development).

Section III – Bid Information

111.1 Schedule of events

111.2 – Date and time bids are due and scheduled to be opened

111.3 – Approximate date of award by Webb County Commissioner's Court

111.4 – Approximate date contractor is expected to begin work

111.5 – Approximate date contractor is expected to complete project

111.6 Pre bid conference information

- A pre-bid meeting will take place on **Wednesday December 28, 2011 at 10:00** A.M. at the Purchasing Department Conference Room, 1110 Washington, Suite 101 Laredo, Texas 78040.

- It is recommended to all bidders attend the pre- bid conference, however, it is not a requirement

111.7 Bid submission requirements

- Bidder will be expected to comply with all requirements of the bid package
- Bidder will provide (1) one and (8) copies of the bid package
- Bid packages will be turned in to the Webb County Clerk; 1110 Victoria, Suite 102, Laredo TX 78040,

111.8 Where vendor should direct inquiries

- Technical questions related to the scope of the work should be made in written form to Mike Cabello (email mcabello@webbcountytx.gov) or Antonio Alderete(email aalderete@webbcountytx.gov . Questions and answers will be posed in the web site for all to view.
- Questions related to the bid submission requirements will be made to Leticia Gutierrez at 956-523-4125.

111.9 Bid evaluation requirements

- Lowest and best value will be the basis for award of the contract
- Provide information on expected time to complete the project

Section IV – Contract Terms and Condition

Bid Price Sheet

Bid:

Labor Cost \$ _____

Materials cost \$ _____

**Demolition and Removal
of existing old asphalt road** \$ _____

Other (specify) \$ _____

Total Base Bid \$ _____

Length of Time of Completion: _____

Signature

Webb County

Conflict of Interest Disclosure

Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor or person considering doing business with a local government entity disclose in the Questionnaire Form CIQ, the vendor or person's affiliation or business relationship that might cause a conflict of interest with a local government entity. By law, this questionnaire must be filed with the records administrator of Webb County no later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code. A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor. The questionnaire may be viewed and printed by following the link before:

By submitting a response to this request, the vendor represents that it is in compliance with the requirements of Chapter 176 of the Texas Local Government Code.

The Webb County Officials who come within Chapter 176 of the Local Government Code relating to filing of Conflict of Interest Questionnaire (Form CIQ) include:

1. Webb County Judge Danny Valdez
2. Commissioner Frank Sciaraffa
3. Commissioner Rosaura Tijerina
4. Commissioner Jerry Garza
5. Commissioner Jaime Canales
6. Judge Elma T. Salinas Ender, Chairman, 341st Judicial District
7. Judge Oscar Hale, 406th Judicial District
8. Judge Joe Lopez, 49th Judicial District

Please send completed forms to the Webb County Clerk's Office located at 1110 Victoria, Suite 201, Laredo, Texas 78040.

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor or other person doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session. This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person knowingly violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of person who has a business relationship with local governmental entity.

2 Check this box if you are filing an update to a previously filed questionnaire.

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 Name of local government officer with whom filer has employment or business relationship.

Name of Officer

This section (Item 3 including subparts A, B, C & D) must be completed for each officer with whom the filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?

Yes No

B. Is the filer of the questionnaire receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?

Yes No

C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

Yes No

D. Describe each employment or business relationship with the local government officer named in this section.

4

Signature of person doing business with the governmental entity

Date

Bidders Information

Name of Company: _____

Address: _____

Phone: _____

Email Address: _____

Signature of Person Authorized to Sign Proposal:

Signature

Print Name

Title

Vendor to indicate status as to "Partnership", "Corporation", "Land Owner", etc.

(Date)

NOTICE TO ALL BIDDERS

The Texas Workers' Compensation Commission has adopted Rule 110.110 effective with all bids advertised after September 1, 1994 and these changes affect your bid on this project.

The TWCC has stated that it is aware that statutory requirements provided for workers' compensation insurance coverage is not being met. Rule 110.110 is designed to achieve compliance from both contractors and governmental entities... This affects both of us on this project.

Providing false or misleading certificates of coverage, failing to provide or maintain required coverage, or failing to report any change that materially affects the coverage may subject the contractor(s) or other persons providing services on this project to legal penalties. This affects your subcontractors.

Therefore, the attached is provided in accordance with the requirements on governmental entities. Please read carefully and prepare your bid in full compliance to TWCC Rule 110.110. Failure to provide the required certificates upon submission of a bid could result in your bid being declared non-responsive.

According to TWCC, "This rule does not create any duty or burden on anyone which the law does not establish." Therefore, the county should not experience any increase in cost because of the need to comply with the Texas Worker's Compensation laws.

Dr. Cecilia May Moreno
Webb County Purchasing Agent

COUNTY OF WEBB

Terms and Conditions of Invitations for Bids

1. GENERAL CONDITIONS:

Bidders are required to submit their proposals upon the following expressed conditions:

- (A) Bidders shall thoroughly examine the drawings, specification schedule, instructions and all other contract documents.
- (B) Bidders shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of materials and equipment as required by the bid conditions. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill in every detail the requirements of the contract documents of the County or the compensation of the vendor.
- (C) Bidders are advised that all County contracts be subject to all legal requirements provided for in county, state and federal statutes and regulations.

2. PREPARATION OF BIDS:

Bids will be prepared in accordance with the following:

- (A) All information required by the bid form shall be furnished. The bidder shall print or type his name and manually sign the schedule and each continuation sheet on which an entry is made.
- (B) Unit prices shall be shown and where there is an error in extension of prices, the unit price shall govern.
- (C) Alternate bids will not be considered unless authorized by the Invitation for Bids.
- (D) Proposed delivery time must be shown and shall include Sundays and holidays.
- (E) Bidders will not include Federal taxes or State of Texas limited sales excise and use taxes in bid prices since the County of Webb is exempt from payment of such taxes. An exemption certificate will be signed where applicable upon request.

3. DESCRIPTION OF SUPPLIES:

Any catalog or manufacturer's reference used in describing an item is merely descriptive, and not restrictive, unless otherwise noted, and is used only to indicate type and quality of material. Bidders are required to state exactly what they intend to furnish otherwise they shall be required to furnish the items as specified.

4. SUBMISSION OF BIDS:

- (A) Bids and changes thereto shall be enclosed in sealed envelopes addressed to the Webb County Clerk. The name and address of the bidder, the date of the bid opening and the material or service bid on shall be placed on the outside of the envelope.
- (B) Bids must be submitted in the forms furnished. Telegraphic bids will not be considered. Bids, however, may be modified by telegraphic notice provided such notice is received before the time and date set for the bid opening.
- (C) Samples, when required, must be submitted within the time specified, at no expense to the County of Webb. If not destroyed or used up during testing, samples will be returned upon request at the bidder's expense.

5. REJECTION OF BIDS:

- (A) The Purchasing Agent may reject a bid if it is not satisfactory to Commissioners' Court because:
 - (1) The bidder misstates or conceals any material fact in the bid or if,
 - (2) The bid does not strictly conform to the law or the requirements of the bid, or if,
 - (3) The bid is conditional, except that the bidder may qualify his bid for acceptance by the County on an "All or None" basis or a "low item" basis. An "All or None" basis bid must include all items upon which bids are invited.
- (B) No bid submitted herein shall be considered if the bidder owes any delinquent taxes to the County of Webb at the time bids are opened. In the event that the successful bidder herein subsequently becomes delinquent in the payment of his or its County taxes, such fact shall constitute grounds for cancellation of the contract.

- (C) No bid submitted herein shall be considered unless the bidder warrants that upon execution of a contract with the County of Webb, he will not engage in employment practices which have the effect of discriminating against employees or prospective employees because of race, color, sex, creed, or national origin and will submit such report as the County may thereafter require to assure compliance.
- (D) The County may, however, reject all bids whenever it is deemed in the best interest of the County to do so, and may reject any part of a bid unless the bid has been qualified as provided in 5 (a) 3 above. The County may also waive any minor informalities or irregularities in any bid.

6. WITHDRAWAL OF BIDS:

Bids may not be withdrawn after the time set for the bid opening, unless approved by Commissioners' Court.

7. LATE BIDS OR MODIFICATIONS:

Bids and modifications received after the time set for the bid submission will not be considered.

8. CLARIFICATION OR OBJECTION TO BID SPECIFICATIONS:

If any person contemplating submitting a bid for this contract is in doubt as to the true meaning of the specifications, or other bid documents or any part thereof, he may submit to the Purchasing Agent on or before five days prior to scheduled opening a request for clarification. All such requests for information shall be made in writing and the person submitting the request will be responsible for its prompt delivery. Any interpretation of the bid, if made, will be made only by Addendum duly issued. A copy of such Addendum will be mailed or delivered to each person receiving a set of bids. The County will not be responsible for any other explanation or interpretation of the proposed bid made or given prior to the award of the contract. Any objections to the specifications and requirements as set forth in this bid must be filed in writing with the Purchasing Agent on or before five days prior to the scheduled opening.

9. DISCOUNTS:

- (A) Prompt payment discounts will be considered in making the award provided the period of the discount offered is sufficient to permit payment within such period in the regular course of business.

- (B) Concerning any discount offered, time will be computed from the date of receipt of supplies or services or from the date a correct invoice is received, whichever is the later date. Payment is deemed to be made on the date of mailing of the check.

10. AWARD OF CONTRACT:

- (A) The contract will be awarded to the lowest responsible bidder whose bid, conforming to the Invitation for Bids, is most advantageous to the County price and other factors considered.
- (B) The County reserves the right to accept any item or group of items of this bid, unless the bidder qualified his bid by specific limitations. Re Par. 5 (a) 3 above.
- (C) A written award of acceptance mailed or otherwise furnished to the successful bidder results in a binding contract without further action by either party.
- (D) Prices must be quoted F.O.B. Webb County with all transportation charges prepaid, unless otherwise specified in the Invitation for Bids.
- (E) Delivery time and prompt payment discounts, including time allowed for payment, will be considered in breaking of tie bids.

11. PERFORMANCE DEPOSIT:

- (A) The successful bidder(s) must furnish the County of Webb a performance deposit in the amount set forth in the Invitation for Bids. This deposit is not to be submitted with bids, but must be presented to the Purchasing Department upon notification.
- (B) The County of Webb will not enter a contract or issue a purchase order until the successful bidder has complied with the performance deposit provisions.
- (C) The performance deposit shall be in the form of a bond, certified check upon a State or National Bank or Trust Company signed by a duly authorized officer, thereof, or a certificate of deposit from such bank or trust company. All such bonds, checks and certificate of deposit shall be drawn payable to the order to the Webb County Treasurer and submitted to the Purchasing Agent's Office.

- (D) The performance deposit of the successful bidder(s) shall be returned by the County upon completion of the contract and final acceptance of all items in accordance with conditions thereof.
- (E) Failure of vendor to perform any of the services by this contract, within ten days of receipt of written demand for performance from County, or failure of vendor to correct or replace defective goods or products, within ten days from receipt of written demand will therefore, shall constitute a total breach of this contract, and shall be cause for termination. In the event of such termination the performance deposit shall be retained by the County of Webb as liquidated damages, based upon mutual agreement and understanding between vendor and County at the time this bid is solicited, submitted and accepted, that the County of Webb is a governmental agency engaged in public projects, and that the measurement of damages which might result from a breach of the terms and specifications herein is difficult or impossible to determine. Provided, however, that if in the opinion of the Purchasing Agent and the Commissioners' Court the failure of vendor to perform the conditions of this contract is occasioned by or is the result of acts or events over which the vendor has no control, said performance deposit may in whole or in part, as may be determined by the Purchasing Agent and the Commissioners' Court, be returned to the vendor. It is understood that such determination shall be entirely discretionary with the Purchasing Agent and the Commissioners' Court.

12. WORKERS' COMPENSATION INSURANCE COVERAGE:

The Workers' Compensation Commission has adopted Rule 110.110 effective with all bids advertised after September 1, 1994. The TWCC has stated that it is aware that a statutory requirement for workers' compensation insurance coverage is not being met. Therefore, Rule 110.110 requires that all bidders be covered under workers' compensation insurance to achieve compliance from both contractor(s) and governmental entities. **Attachment A** is provided in accordance with the requirements on governmental entities. Please read carefully and prepare your bid in full compliance to TWCC Rule 110.110. Failure to provide the required certificates upon submission of a bid could result in your bid being declared non-responsive.

Bid Bond

A bid bond in the amount of 5% of the Bid issued by an acceptable surety shall be submitted with each bid. A certified check or Bond Draft payable to the Grant Recipient or negotiable U.S. Government Bonds (as per value) may be submitted in lieu of the Bid Bond.

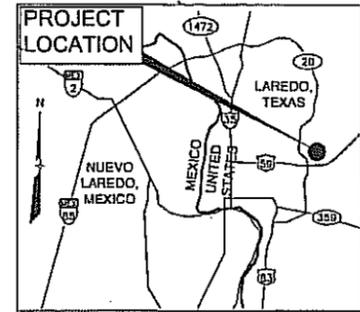
Performance and Payment Bond

Performance and Payment Bonds, - Requires all prime contractors which enter into a formal contract in excess of \$25,000 with the State, any department, board, agency, municipality, county, school district or any division or subdivision thereof, to obtain a Payment Bond in the amount of the contract before commencing with work and performance bond for public works contracts in excess of \$100,000.

The failure of the successful bidder to execute the agreement and supply the required bonds within ten (10) days after the prescribed forms are presented for signature, or within such extended period as the Grant Recipient may grant, shall constitute a default and the Grant Recipient may, at its option either award the contract to next lowest responsible bidder, or re-advertise for bids. In either case, the Grant Recipient may charge against the bidder the difference between the amount of the bid, and the amount for which a contract is subsequently executed irrespective of whether this difference exceeds the amount of the bid bond. If a more favorable bid is received through re-advertisement, the defaulting bidder shall have no claim against the Grant Recipient for a refund.



CONSTRUCTION PLANS FOR: PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE LAKE CASA BLANCA DAM & SPILLWAY



VICINITY MAP - N.T.S.

APPROVED BY:

Danny Valdez
HONORABLE DANNY VALDEZ, COUNTY JUDGE 6-14-2011
DATE

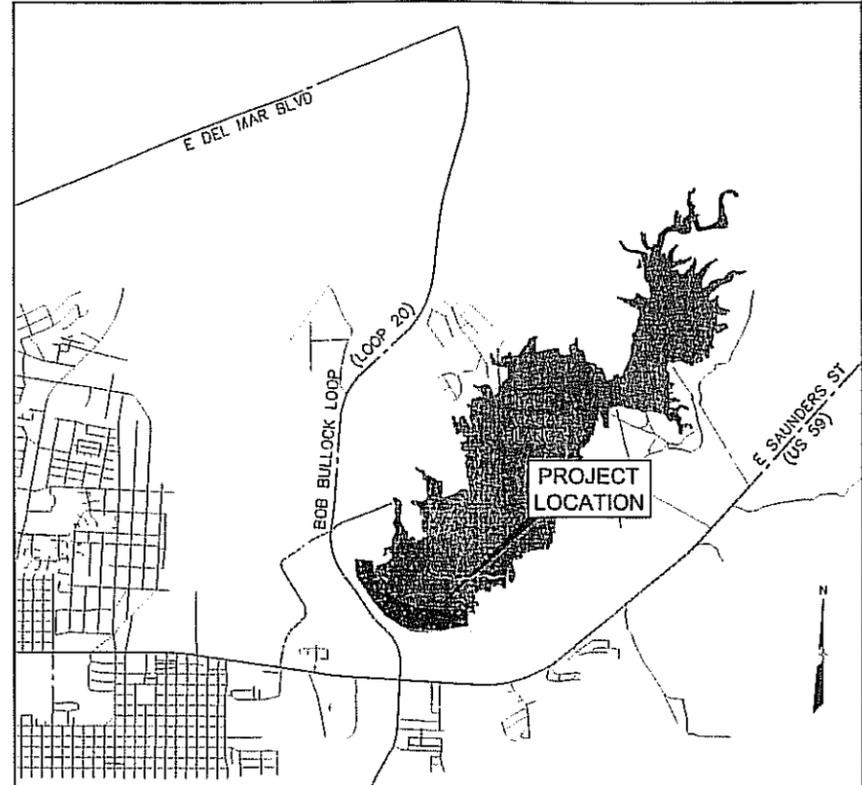
Fitzgerald Sanchez
FITZGERALDO SANCHEZ, COUNTY ENGINEER, WEBB COUNTY 6-13-2011
DATE

WEBB COUNTY, TEXAS

- FRANK SCIARAFFA _____ COMMISSIONER, PRECINCT 1
- ROSAURA TIJERINA _____ COMMISSIONER, PRECINCT 2
- JERRY GARZA _____ COMMISSIONER, PRECINCT 3
- JAIME CANALES _____ COMMISSIONER, PRECINCT 4
- DANNY VALDEZ Danny Valdez _____ COUNTY JUDGE

SHEET INDEX
SHEET NO. DESCRIPTION

| | |
|----|--|
| 1 | COVER SHEET |
| 2 | GENERAL NOTES |
| 3 | EROSION / SEDIMENTATION CONTROL NOTES AND DETAILS |
| 4 | OVERALL PROJECT LAYOUT |
| 5 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN A |
| 6 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN B |
| 7 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN C |
| 8 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN D |
| 9 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN E |
| 10 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN F |
| 11 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN G |
| 12 | EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN H |
| 13 | TYPICAL DAM SLOPE IMPROVEMENT MODIFICATIONS SECTIONS |
| 14 | TYPICAL DAM SLOPE IMPROVEMENT MODIFICATIONS SECTIONS |
| 15 | TXDOT STANDARD BD(10)-07 |



SITE LOCATION - N.T.S.

SUBMITTAL DATE: JANUARY 2011

SUBMITTED BY:

Thomas W. Mountz
THOMAS W. MOUNTZ, P.E. #80364 6/09/11
DATE



NOTES:

- THESE CONSTRUCTION DOCUMENTS ARE INTENDED TO REPRESENT MEANS AND METHODS NECESSARY TO STABILIZE THE SLOPES OF DAM AND SPILLWAY AS RECOMMENDED IN THE "GEOTECHNICAL ENGINEERING REPORT - CASA BLANCA DAM ASSESSMENT" BY TERRACON DATED APRIL 29, 2008, SLOPE STABILITY ANALYSIS REPORT BY TERRACON DATED FEBRUARY 10, 2011, AND SUPPLEMENTAL SOIL ANALYSIS RECOMMENDATIONS LETTER DATED MARCH 21, 2011. THE GEOTECHNICAL ASSESSMENT AND THESE CONSTRUCTION DOCUMENTS, ARE LIMITED TO THE STABILITY OF BANK SLOPES OF THE DAM AND DO NOT ADDRESS ELEMENTS FROM CHAPTER 299 OF THE TEXAS ADMINISTRATIVE CODE FOR OVERALL DAM SAFETY.
- WEBB COUNTY WILL PERFORM GENERAL MAINTENANCE WORK ON THE EXISTING DAM SLOPES AND SPILLWAY TO CONTROL VEGETATION ISSUES NOTED ON TCEC REPORT UNTIL SUCH TIME THAT FUNDING IS SECURED TO IMPLEMENT ELEMENTS FROM CHAPTER 299 OF THE TEXAS ADMINISTRATIVE CODE FOR OVERALL DAM SAFETY. AT THAT TIME, THE PROPOSED DAM MODIFICATIONS AND GEOTECHNICAL WORK CAN BE INITIATED.
- ADDITIONAL GEOTECHNICAL WORK AND ENGINEERING DESIGN MAY BE REQUIRED TO SATISFY ELEMENTS FROM CHAPTER 299 OF THE TEXAS ADMINISTRATIVE CODE FOR OVERALL DAM SAFETY.
- THIS SITE IS PARTIALLY LOCATED WITHIN THE 1% ANNUAL CHANCE FLOODPLAIN AS DEFINED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) PANELS 48479C1215C AND 48479C1220C FOR WEBB COUNTY, TEXAS, DATED APRIL 2, 2008.
- IN THE EVENT OF A DISCREPANCY IN THESE PLANS, CONTACT THE ENGINEER OF RECORD.

OWNER: WEBB COUNTY

ENGINEER: ESPEY CONSULTANTS, INC.
707 E. CARLTON ROAD
SUITE 202-141
LAREDO, TX 78041
(956) 764-8106

SURVEYOR: FOSTER ENGINEERING COMPANY
(NO LONGER IN BUSINESS)
1310 JUNCTION DRIVE, SUITE B
LAREDO, TX 78041
(956) 723-3451

GEOTECHNICAL ENGINEER: TERRACON, INC.
615 GALE STREET
LAREDO, TX 78041
(956) 795-1360

REVISIONS / CORRECTIONS

| Number | Description | Revise (R) Add (A) Void (V) Sheet No.'s | Total # Sheet in Plan Set | Not Change Imp. Cover (sq. ft.) | Total Site Imp. Cover (sq. ft.)/% | City of Laredo Approval- Date | Date Imaged |
|--------|-------------|--|---------------------------------|---------------------------------------|--|--|----------------|
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Espey Consultants, Inc.
Environmental & Engineering Services
TPBE #F-293
4801 Southwest Parkway Parkway 2, Suite 160 Austin, Texas 78735 (612) 328-0669
707 E. Carlton Road Suite 202-141 Laredo, Texas 78041 (956) 764-8106
EC #09044.00

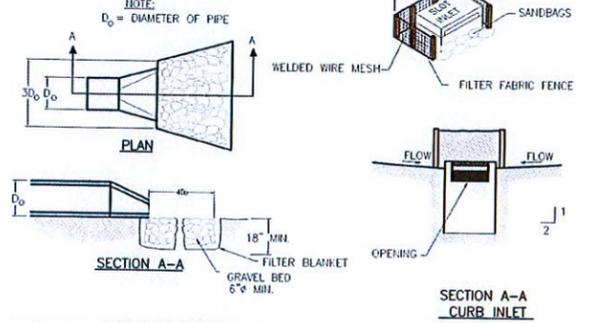
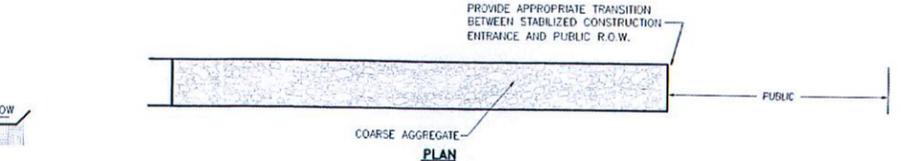
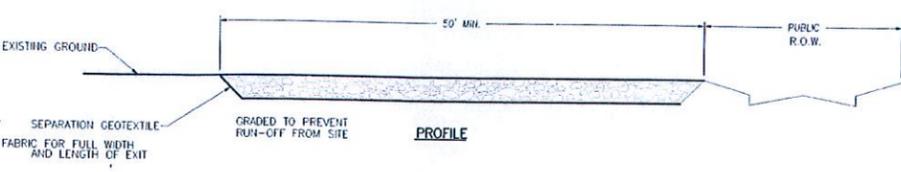
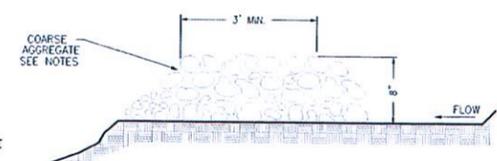
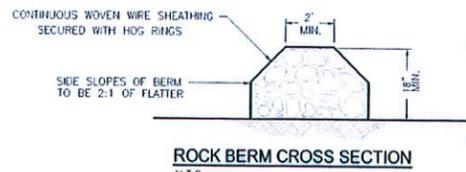
JANUARY 2011, LAKE CASA BLANCA, EC #09044.00

STABILIZED ENTRANCE GENERAL NOTES:

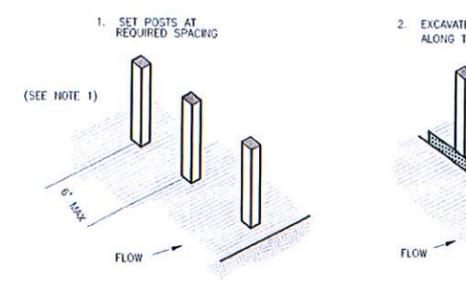
1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
3. STABILIZED FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
4. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA WHEN SHOWN ON THE CONSTRUCTION DRAWING. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.

CONSTRUCTION NOTES FOR ROCK BERM:

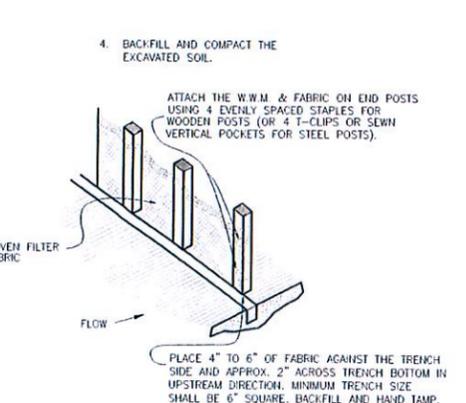
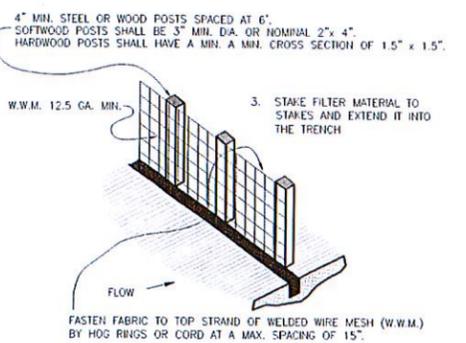
1. USE ONLY OPEN GRADED ROCK OR BROKEN CONCRETE 4-8 INCHES IN DIAMETER FOR STREAMFLOW CONDITIONS. USE OPEN GRADED ROCK OR BROKEN CONCRETE 3-5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OF 1-INCH OPENING AND A MINIMUM WIRE DIAMETER OF 20 GAUGE.
3. THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN WIRE SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED. DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS. THE SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED SITE AND IN A MANNER AS TO NOT CREATE A SILTATION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.



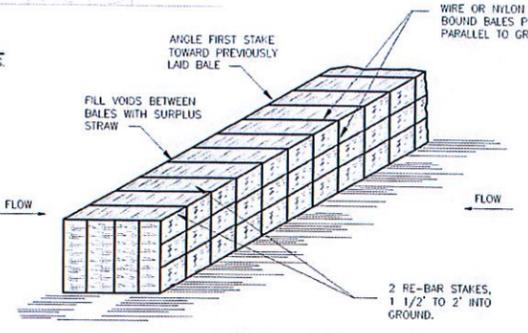
FILTER FABRIC FENCE



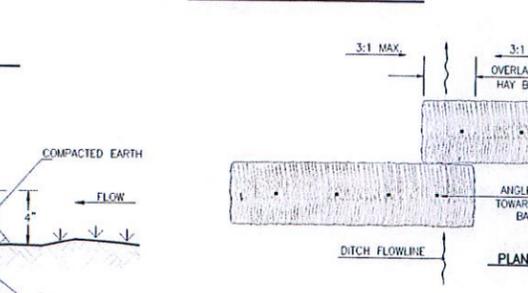
- GENERAL NOTES:**
1. POSTS TO BE SET AT 6-FOOT MAXIMUM SPACING.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHOULD BE OVERLAPPED 8 INCHES AT THE POSTS, AND FOLDED.



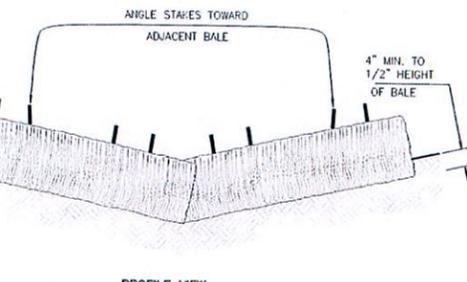
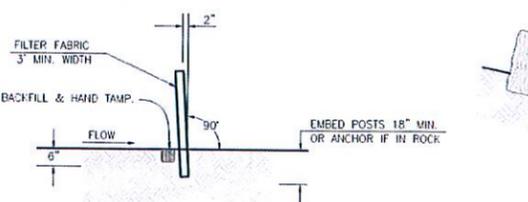
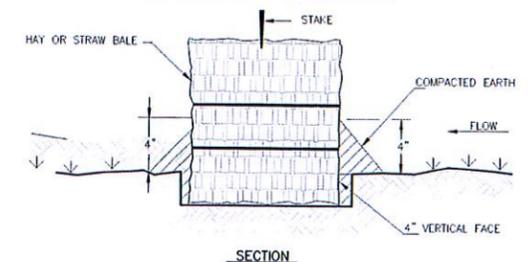
LARGE ROCK N.T.S.



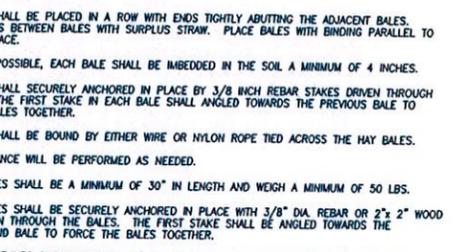
ANCHORING DETAIL



STRAW BALE FENCE



PROFILE VIEW



STRAW BALE FENCE NOTES:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. FILL THE VOIDS BETWEEN BALES WITH SURPLUS STRAW. PLACE BALES WITH BINDING PARALLEL TO GROUND SURFACE.
2. WHERE POSSIBLE, EACH BALE SHALL BE IMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY 3/8 INCH REBAR STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARDS THE PREVIOUS BALE TO FORCE THE BALES TOGETHER.
4. BALES SHALL BE BOUND BY EITHER WIRE OR NYLON ROPE TIED ACROSS THE HAY BALES.
5. MAINTENANCE WILL BE PERFORMED AS NEEDED.
6. HAY BALES SHALL BE A MINIMUM OF 30\"/>

CONSTRUCTION SPECIFICATIONS FOR SILT FENCE

- A. MATERIALS**
1. SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF POLYPROPYLENE NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS (PER ASTM METHODS):
PHYSICAL PROPERTY REQUIREMENTS
 FILTERING EFFICIENCY 75% (MIN.)
 TENSILE STRENGTH @ 20% EXT. STRENGTH = 50 LBS./LIN. INC. (MIN.)
 MAX. ELONGATION STD. STRENGTH = 30 LBS./LIN. INC. (MIN.)
 2. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0° TO 120°
- B. INSTALLATION**
1. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 15\"/>
- C. MAINTENANCE**
1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
 2. SHOULD THE FABRIC ON A SILT FENCE DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE SILT FENCE IS STILL NECESSARY, IT SHALL BE REPLACED IMMEDIATELY.
 3. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN DEPOSITS REACH APPROX. 1/3 THE HEIGHT OF THE FENCE
 4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
 5. THERE SHOULD BE NO GAP OR SAGS IN THE SILT FENCE.

NOTES:

1. THE STABILIZED CONSTRUCTION ENTRANCE (S.C.E.) IS DESIGNED FOR VEHICLES EXITING THE AREA DURING THE CONSTRUCTION PERIOD. IT SHALL BE PROVIDED WASH DOWN WATER TO FACILITATE TIRE CLEANING WHEN NEEDED. ITS INTENDED PURPOSE IS TO PREVENT SEDIMENT FROM BEING TRACKED OFF SITE. IT WILL REQUIRE PERIODIC MAINTENANCE AND SHOULD BE USED BY ALL VEHICLES EXITING THE SITE PRIOR TO PAVED ROAD COMPLETION.
2. INSTALLATION OF SEDIMENT CONTROL AND POLLUTION PREVENTION FEATURES TO BE ACCOMPLISHED PRIOR TO BEGINNING ANY UPGRADE CONSTRUCTION ACTIVITY.
3. CONTRACTORS SHALL INSTALL SILT FENCING OR HAY/STRAW BALE FENCE AS NEEDED TO CONTROL EROSION ALONG CURB CUTS AND OTHER UNSTABILIZED CONSTRUCTION AREAS IN ADDITION TO DESIGNATED PERIMETER CONTROL.
4. INLET PROTECTION (I.P.): CONTRACTORS WILL PROVIDE INLET PROTECTION FOR STORM DRAINS. (SEE FOR TYPICAL DETAILS.)
5. S.W.P.P.P. DRAWINGS AND DOCUMENTS MUST BE RETAINED IN CONTRACTOR'S OFFICE ON SITE.
6. REFER TO PROJECT S.W.P.P.P. DOCUMENT FOR WRITTEN INSPECTION REPORTS AND ADDITIONAL PLAN INFORMATION.
7. THE GENERAL PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM CONSTRUCTION ACTIVITIES REQUIRES THAT A NOTICE OF INTENT (N.O.I.) BE SUBMITTED AT LEAST TWO (2) DAYS BEFORE CONSTRUCTION ACTIVITIES BEGAIN.

EPA CONSTRUCTION GENERAL PERMIT CHECKLIST

- STORM WATER POLLUTION PREVENTION PLAN CONSTRUCTION/IMPLEMENTATION CHECKLIST**
1. MAINTAIN RECORDS OF CONSTRUCTION ACTIVITIES, INCLUDING:
 * DATES WHEN MAJOR GRADING ACTIVITIES OCCUR
 * DATES WHEN MAJOR GRADING ACTIVITIES TEMPORARILY CEASE ON A PORTION OF THE SITE
 * DATES WHEN CONSTRUCTION ACTIVITIES PERMANENTLY CEASE ON A PORTION OF THE SITE
 * DATES WHEN STABILIZED MEASURES ARE INITIATED ON THE SITE
 2. PREPARE INSPECTION REPORTS SUMMARIZING:
 * NAME OF INSPECTOR
 * QUALIFICATIONS OF INSPECTOR
 * MEASURES/AREAS INSPECTED
 * OBSERVED CONDITIONS
 * CHANGES NECESSARY TO THE S.W.P.P.P.
 3. REPORT RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS (IF THEY OCCUR):
 * NOTIFY NATIONAL RESPONSE CENTER 800/424-8802 IMMEDIATELY
 * NOTIFY PERMITTING AUTHORITY IN WRITING WITHIN 14 DAYS
 * MODIFY THE POLLUTION PREVENTION PLAN TO INCLUDE THE DATE OF RELEASE CIRCUMSTANCES LEADING TO THE RELEASE STEPS TAKEN TO PREVENT REOCCURRENCE OF THE RELEASE
 4. MODIFY POLLUTION PREVENTION PLAN AS NECESSARY TO:
 * COMPLY WITH MINIMUM PERMIT REQUIREMENTS WHEN NOTIFIED BY EPA THAT THE PLAN DOES NOT COMPLY
 * ADDRESS A CHANGE IN DESIGN, CONSTRUCTION OPERATION OR MAINTENANCE WHICH HAS AN EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS
 * PREVENT REOCCURRENCE OF REPORTABLE QUANTITY RELEASES OF A HAZARDOUS MATERIAL OR OIL

STORM WATER POLLUTION PREVENTION PLAN FINAL STABILIZATION TERMINATION CHECKLIST

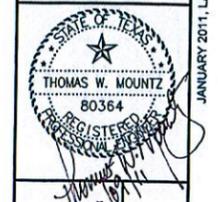
1. * ALL SOIL DISTURBING ACTIVITIES ARE COMPLETE
2. * TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME.
3. * ALL AREAS OF THE CONSTRUCTION SITE NOT OTHERWISE COVERED BY A PERMANENT PAVEMENT OR STRUCTURE HAVE BEEN STABILIZED WITH A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OR EQUIVALENT MEASURES HAVE BEEN EMPLOYED

GENERAL NOTES TO CONTRACTOR

1. LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM WATER CONVEYANCE SYSTEMS. USE A LINER UNDER ABOVE GROUND STORAGE TANKS. USE SILT FENCING, HAY BALES, OR BERMS AROUND FUEL STORAGE AREAS. NO SEPARATE PAY.
2. CONTRACTOR WILL ADVISE OWNER IMMEDIATELY, VERBALLY, AND IN WRITING, OF ANY FUEL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA AND THE ACTIONS TAKEN TO REMEDY THE PROBLEM.
3. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL ENVIRONMENTAL LAWS.
4. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF FUELS, MATERIALS, AND EXCAVATIONS IN A LEGALLY APPROVED MANNER.
5. CONTRACTOR IS TO INSPECT ALL STRUCTURAL CONTROLS SPECIFIED HEREIN, AT A MINIMUM, ONCE EVERY 7 CALENDAR DAYS OR WITHIN 24 HOURS AFTER ANY STORM EVENT THAT MEETS OR EXCEEDS 0.5 INCHES/24 HOURS PERIOD.
6. CONTRACTOR WILL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS.
7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATELY MAINTAINED SANITARY FACILITIES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, IDENTIFICATION, AND REMOVAL OF ALL DEBRIS FOR DESIGNATED CONCRETE WASH-OUT SITE.
9. ALL UNSATISFACTORY AND/OR WASTE MATERIALS INCLUDING VEGETATION, ROOTS, CONCRETE AND DEBRIS SHALL BE DISPOSED OF OFFSITE BY THE CONTRACTOR.
10. CONTRACTOR IS RESPONSIBLE FOR CLEANING MUD AND/OR DIRT TRACKED ONTO EXISTING STREETS BY HIS WORKMAN'S SUPPLIER'S OR SUBCONTRACTOR'S VEHICLES. STREETS MUST BE CLEANED WITHIN 24 HOURS OF WHEN THE TRACKING OCCURS.
11. ALL DISTURBED AREAS, BOTH ON-SITE AND OFF, NOT COVERED BY PAVEMENT OR PERMANENT STRUCTURES SHALL BE HYDRAULIC SEEDING WITHIN 21 DAYS OF COMPLETION OF WORK. CONTRACTOR MUST ESTABLISH AND PROVIDE FOR A MAINTENANCE PROGRAM UNTIL ADEQUATE TURF ESTABLISHMENT IS ACCOMPLISHED AND THE CONSTRUCTION IS ACCEPTED BY THE OWNER.
12. CONTRACTOR MAY SUBSTITUTE SILT FENCE FOR STRAW BALE FENCE WHERE INDICATED AT HIS OPTION, NO EXTRA PAY.



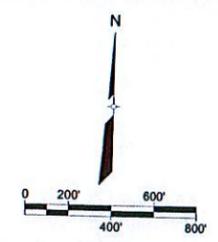
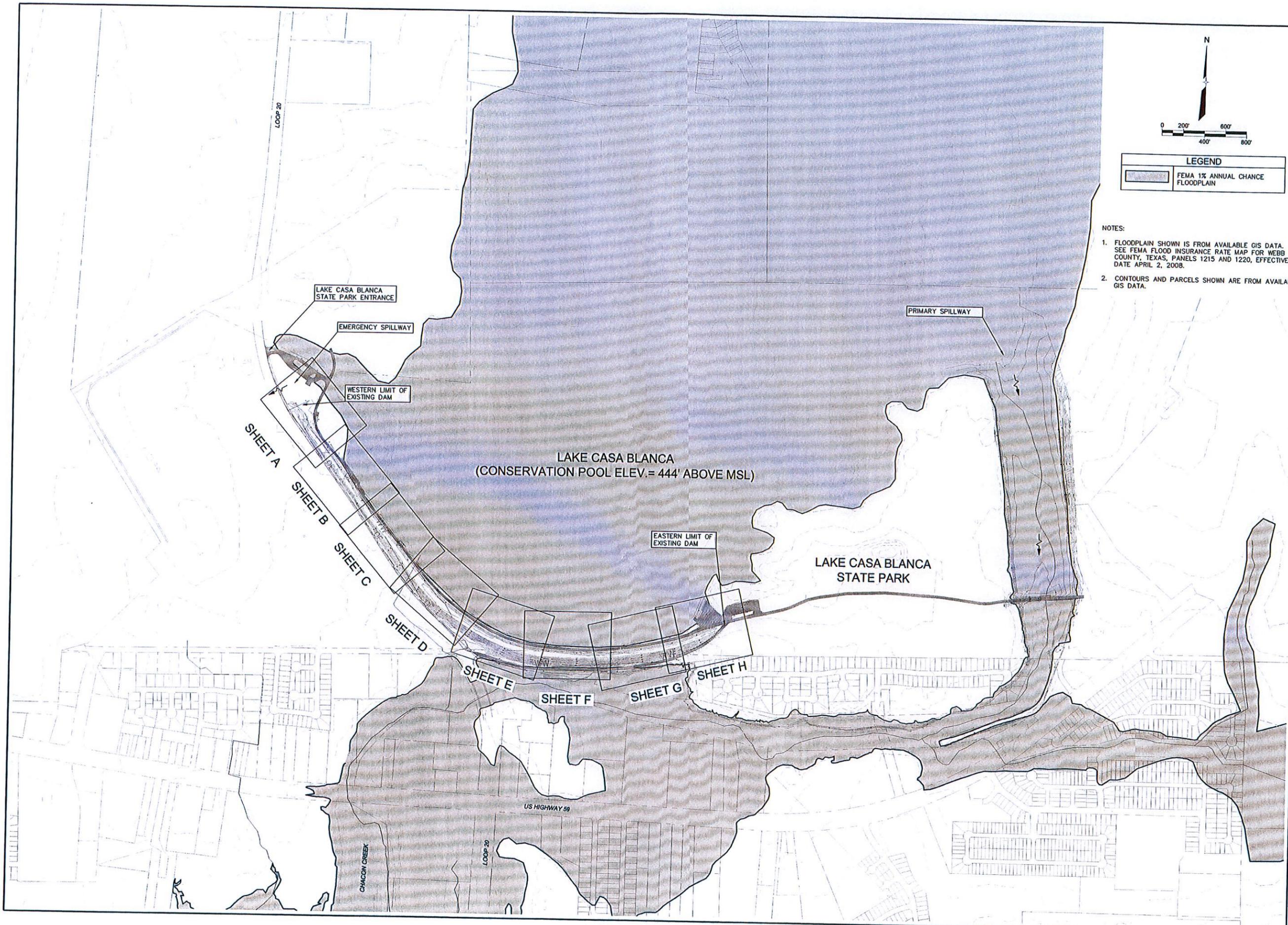
Espey Consultants, Inc.
 707 E. Carlton Road
 Suite 202-141
 Laredo, Texas 78041
 (956) 764-8106
 TBPE #F-293



PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE LAKE CASA BLANCA DAM & SPILLWAY LAREDO, WEBB COUNTY, TEXAS

EROSION - SEDIMENTATION CONTROL NOTES AND DETAILS

| NO. | DATE | REVISION/CORRECTION | BY | DATE | DESIGNED BY | CHECKED BY | DRAWN BY | IN CHARGE |
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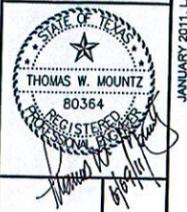


| LEGEND | |
|---------------|----------------------------------|
| [Shaded Area] | FEMA 1% ANNUAL CHANCE FLOODPLAIN |

- NOTES:
- FLOODPLAIN SHOWN IS FROM AVAILABLE GIS DATA. SEE FEMA FLOOD INSURANCE RATE MAP FOR WEBB COUNTY, TEXAS, PANELS 1215 AND 1220, EFFECTIVE DATE APRIL 2, 2008.
 - CONTOURS AND PARCELS SHOWN ARE FROM AVAILABLE GIS DATA.



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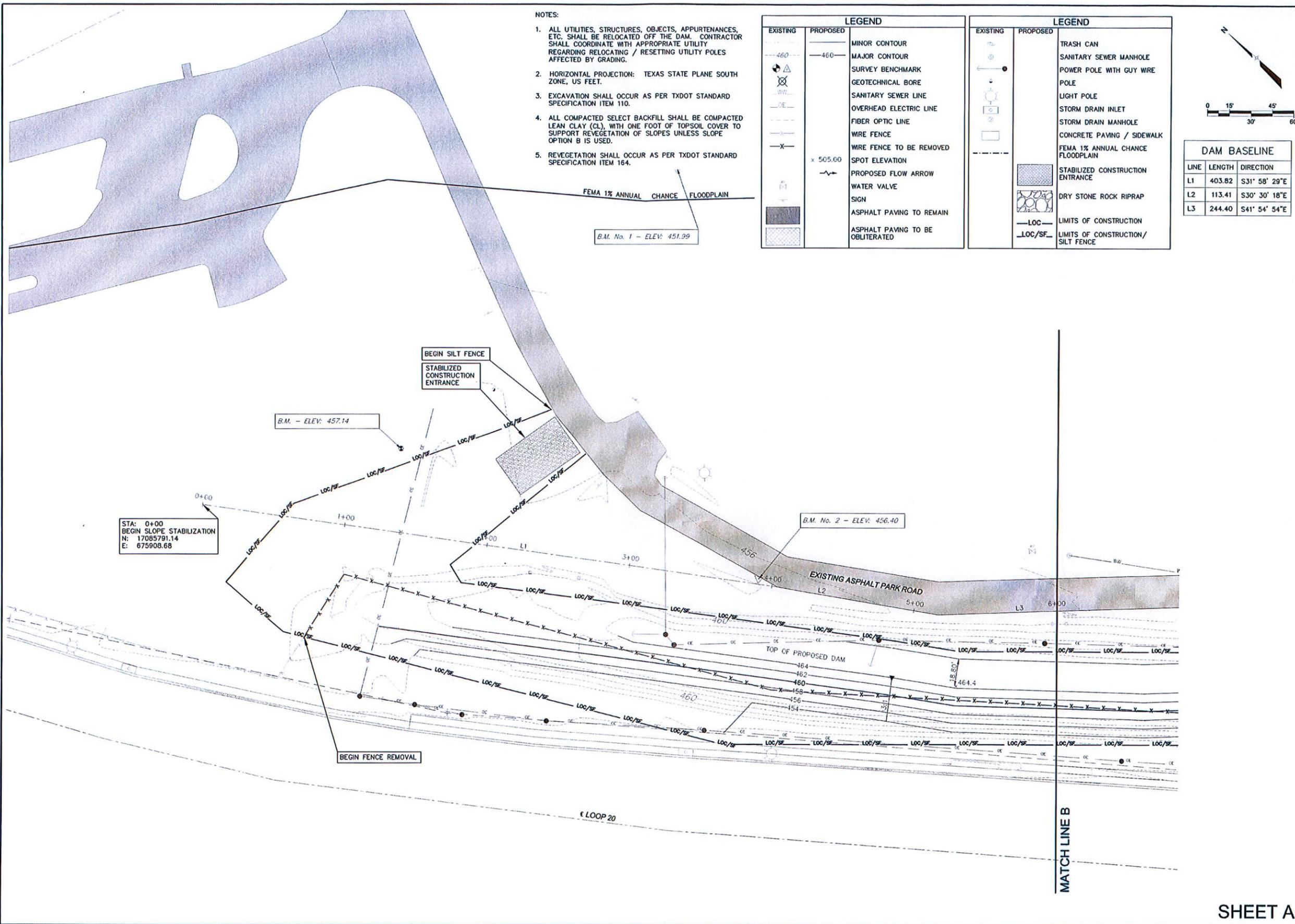


PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE
 LAKE CASA BLANCA DAM & SPILLWAY
 LAREDO, WEBB COUNTY, TEXAS

OVERALL PROJECT LAYOUT

| NO. | DATE | REVISION / CORRECTION | BY |
|-----|------|-----------------------|----|
| | | | |
| | | | |
| | | | |
| | | | |

JANUARY 2011, LAKE CASA BLANCA, EC #09044.00



- NOTES:
1. ALL UTILITIES, STRUCTURES, OBJECTS, APPURTENANCES, ETC. SHALL BE RELOCATED OFF THE DAM. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY REGARDING RELOCATING / RESETTING UTILITY POLES AFFECTED BY GRADING.
 2. HORIZONTAL PROJECTION: TEXAS STATE PLANE SOUTH ZONE, US FEET.
 3. EXCAVATION SHALL OCCUR AS PER TXDOT STANDARD SPECIFICATION ITEM 110.
 4. ALL COMPACTED SELECT BACKFILL SHALL BE COMPACTED LEAN CLAY (CL) WITH ONE FOOT OF TOPSOIL COVER TO SUPPORT REVEGETATION OF SLOPES UNLESS SLOPE OPTION B IS USED.
 5. REVEGETATION SHALL OCCUR AS PER TXDOT STANDARD SPECIFICATION ITEM 164.

| EXISTING | | PROPOSED | | LEGEND | |
|----------|-----|----------|-----|--------|----------------------------------|
| --- | --- | --- | --- | --- | MINOR CONTOUR |
| --- | --- | --- | --- | --- | MAJOR CONTOUR |
| △ | △ | △ | △ | △ | SURVEY BENCHMARK |
| ⊗ | ⊗ | ⊗ | ⊗ | ⊗ | GEOTECHNICAL BORE |
| — | — | — | — | — | SANITARY SEWER LINE |
| — | — | — | — | — | OVERHEAD ELECTRIC LINE |
| — | — | — | — | — | FIBER OPTIC LINE |
| — | — | — | — | — | WIRE FENCE |
| — | — | — | — | — | WIRE FENCE TO BE REMOVED |
| — | — | — | — | — | SPOT ELEVATION |
| — | — | — | — | — | PROPOSED FLOW ARROW |
| — | — | — | — | — | WATER VALVE |
| — | — | — | — | — | SIGN |
| — | — | — | — | — | ASPHALT PAVING TO REMAIN |
| — | — | — | — | — | ASPHALT PAVING TO BE OBLITERATED |

| EXISTING | | PROPOSED | | LEGEND | |
|----------|-----|----------|-----|--------|-------------------------------------|
| ○ | ○ | ○ | ○ | ○ | TRASH CAN |
| ○ | ○ | ○ | ○ | ○ | SANITARY SEWER MANHOLE |
| ○ | ○ | ○ | ○ | ○ | POWER POLE WITH GUY WIRE |
| ○ | ○ | ○ | ○ | ○ | POLE |
| ○ | ○ | ○ | ○ | ○ | LIGHT POLE |
| ○ | ○ | ○ | ○ | ○ | STORM DRAIN INLET |
| ○ | ○ | ○ | ○ | ○ | STORM DRAIN MANHOLE |
| ○ | ○ | ○ | ○ | ○ | CONCRETE PAVING / SIDEWALK |
| ○ | ○ | ○ | ○ | ○ | FEMA 1% ANNUAL CHANCE FLOODPLAIN |
| ○ | ○ | ○ | ○ | ○ | STABILIZED CONSTRUCTION ENTRANCE |
| ○ | ○ | ○ | ○ | ○ | DRY STONE ROCK RIPRAP |
| --- | --- | --- | --- | --- | LIMITS OF CONSTRUCTION |
| --- | --- | --- | --- | --- | LIMITS OF CONSTRUCTION / SILT FENCE |

DAM BASELINE

| LINE | LENGTH | DIRECTION |
|------|--------|---------------|
| L1 | 403.82 | S31° 58' 29"E |
| L2 | 113.41 | S30° 30' 18"E |
| L3 | 244.40 | S41° 54' 54"E |

EC
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 Laredo, Texas 78041
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 TBPE #F-293

THOMAS W. MOUNTZ
 80364
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF TEXAS

PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE
 LAKE CASA BLANCA DAM & SPILLWAY
 LAREDO, WEBB COUNTY, TEXAS

EROSION-SEDIMENTATION CONTROL
 & SLOPE STABILITY GRADING PLAN A

| NO. | DATE | REVISION/CORRECTION | BY |
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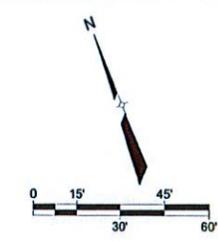
JANUARY 2011, LAKE CASA BLANCA, EC #0904.00

NOTES:

1. ALL UTILITIES, STRUCTURES, OBJECTS, APPURTENANCES, ETC. SHALL BE RELOCATED OFF THE DAM. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY REGARDING RELOCATING / RESETTING UTILITY POLES AFFECTED BY GRADING.
2. HORIZONTAL PROJECTION: TEXAS STATE PLANE SOUTH ZONE, US FEET.
3. EXCAVATION SHALL OCCUR AS PER TXDOT STANDARD SPECIFICATION ITEM 110.
4. ALL COMPACTED SELECT BACKFILL SHALL BE COMPACTED LEAN CLAY (CL), WITH ONE FOOT OF TOPSOIL COVER TO SUPPORT REVEGETATION OF SLOPES UNLESS SLOPE OPTION B IS USED.
5. REVEGETATION SHALL OCCUR AS PER TXDOT STANDARD SPECIFICATION ITEM 164.

| LEGEND | |
|----------|----------------------------------|
| EXISTING | PROPOSED |
| 460 | 460 |
| | MINOR CONTOUR |
| | MAJOR CONTOUR |
| | SURVEY BENCHMARK |
| | GEOTECHNICAL BORE |
| | SANITARY SEWER LINE |
| | OVERHEAD ELECTRIC LINE |
| | FIBER OPTIC LINE |
| | WIRE FENCE |
| | WIRE FENCE TO BE REMOVED |
| | SPOT ELEVATION |
| | PROPOSED FLOW ARROW |
| | WATER VALVE |
| | SIGN |
| | ASPHALT PAVING TO REMAIN |
| | ASPHALT PAVING TO BE OBLITERATED |

| LEGEND | |
|----------|-------------------------------------|
| EXISTING | PROPOSED |
| | TRASH CAN |
| | SANITARY SEWER MANHOLE |
| | POWER POLE WITH GUY WIRE |
| | POLE |
| | LIGHT POLE |
| | STORM DRAIN INLET |
| | STORM DRAIN MANHOLE |
| | CONCRETE PAVING / SIDEWALK |
| | FEMA 1% ANNUAL CHANCE FLOODPLAIN |
| | STABILIZED CONSTRUCTION ENTRANCE |
| | DRY STONE ROCK RIPRAP |
| | LIMITS OF CONSTRUCTION |
| | LIMITS OF CONSTRUCTION / SILT FENCE |



| DAM BASELINE | | |
|--------------|--------|---------------|
| LINE | LENGTH | DIRECTION |
| L13 | 156.01 | S59° 42' 43"E |
| L14 | 146.60 | S65° 55' 00"E |
| L15 | 24.92 | S71° 45' 12"E |
| L16 | 127.45 | S72° 40' 09"E |
| L17 | 146.20 | S79° 26' 21"E |

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 Suite 202-141
 Laredo, Texas 78041
 (956) 764-8106
 TBPE #P-293

STATE OF TEXAS
 THOMAS W. MOUNTZ
 80364
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 EXPIRES 12/31/2011

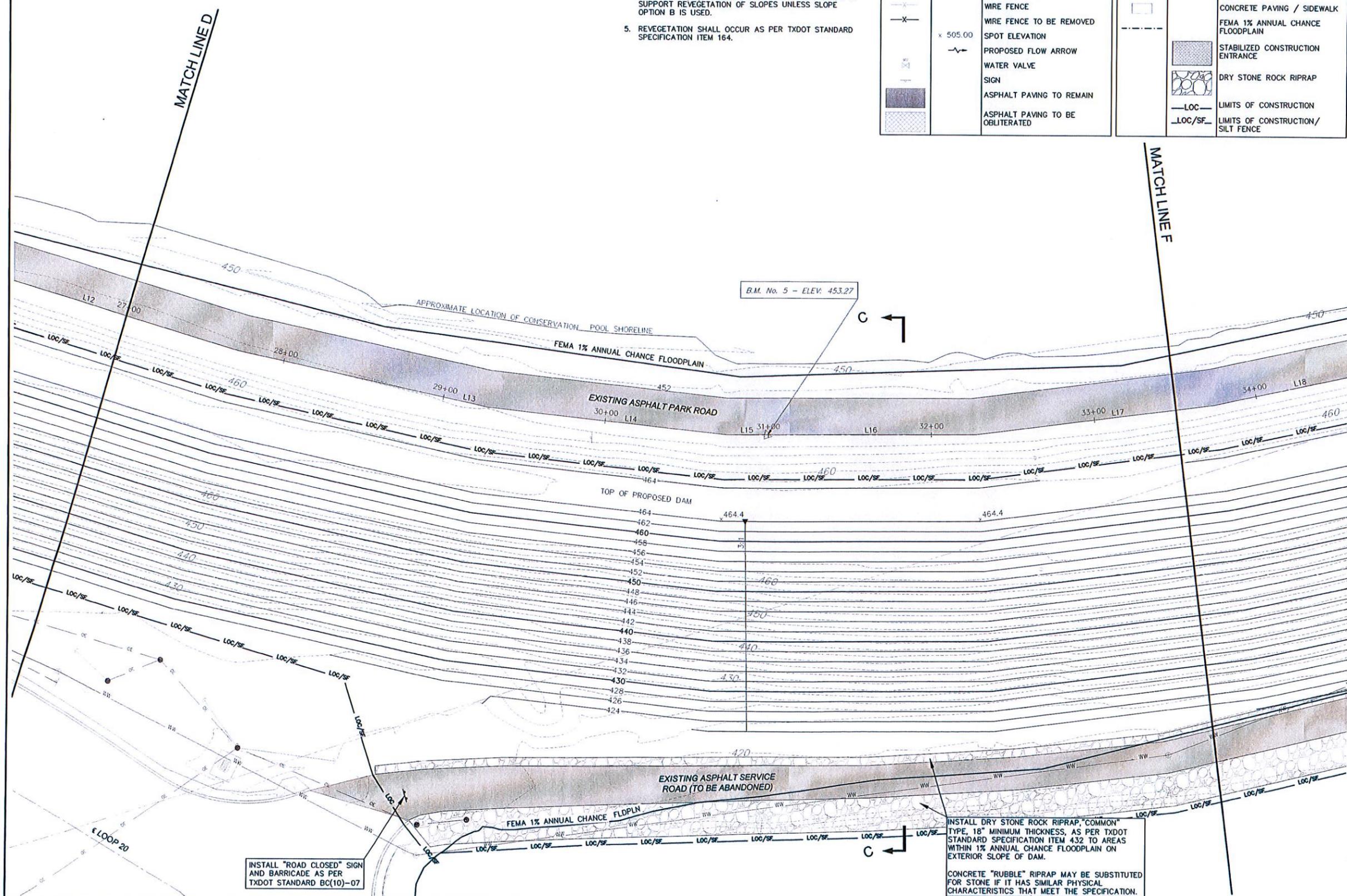
PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE LAKE CASA BLANCA DAM & SPILLWAY LAREDO, WEBB COUNTY, TEXAS
EROSION-SEDIMENTATION CONTROL & SLOPE STABILITY GRADING PLAN E

| NO. | DATE | REVISION / CORRECTION | BY |
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CHECKED BY: JTW DESIGNED BY: JTW DRAWN BY: JTW

Project: 0904.00 Webb_City_LCB_Dam
 CADW: 0904.00.dwg
 0904.00.dwg

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9 of 15



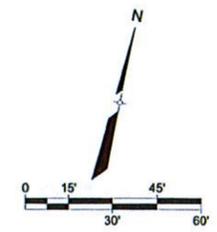
INSTALL "ROAD CLOSED" SIGN AND BARRICADE AS PER TXDOT STANDARD BC(10)-07

INSTALL DRY STONE ROCK RIPRAP, "COMMON" TYPE, 18" MINIMUM THICKNESS, AS PER TXDOT STANDARD SPECIFICATION ITEM 432 TO AREAS WITHIN 1% ANNUAL CHANCE FLOODPLAIN ON EXTERIOR SLOPE OF DAM.
 CONCRETE "RUBBLE" RIPRAP MAY BE SUBSTITUTED FOR STONE IF IT HAS SIMILAR PHYSICAL CHARACTERISTICS THAT MEET THE SPECIFICATION.

- NOTES:
1. ALL UTILITIES, STRUCTURES, OBJECTS, APPURTENANCES, ETC. SHALL BE RELOCATED OFF THE DAM. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY REGARDING RELOCATING / RESETTling UTILITY POLES AFFECTED BY GRADING.
 2. HORIZONTAL PROJECTION: TEXAS STATE PLANE SOUTH ZONE, US FEET.
 3. EXCAVATION SHALL OCCUR AS PER TXDOT STANDARD SPECIFICATION ITEM 110.
 4. ALL COMPACTED SELECT BACKFILL SHALL BE COMPACTED LEAN CLAY (CL), WITH ONE FOOT OF TOPSOIL COVER TO SUPPORT REVEGETATION OF SLOPES UNLESS SLOPE OPTION B IS USED.
 5. REVEGETATION SHALL OCCUR AS PER TXDOT STANDARD SPECIFICATION ITEM 164.

| EXISTING | PROPOSED | LEGEND |
|----------|----------|----------------------------------|
| --- | --- | MINOR CONTOUR |
| --- | --- | MAJOR CONTOUR |
| ⊕ | ⊕ | SURVEY BENCHMARK |
| ⊗ | ⊗ | GEOTECHNICAL BORE |
| ⊕ | ⊕ | SANITARY SEWER LINE |
| --- | --- | OVERHEAD ELECTRIC LINE |
| --- | --- | FIBER OPTIC LINE |
| --- | --- | WIRE FENCE |
| --- | --- | WIRE FENCE TO BE REMOVED |
| ⊕ | ⊕ | SPOT ELEVATION |
| --- | --- | PROPOSED FLOW ARROW |
| ⊕ | ⊕ | WATER VALVE |
| ⊕ | ⊕ | SIGN |
| --- | --- | ASPHALT PAVING TO REMAIN |
| --- | --- | ASPHALT PAVING TO BE OBLITERATED |

| EXISTING | PROPOSED | LEGEND |
|----------|----------|-------------------------------------|
| ⊕ | ⊕ | TRASH CAN |
| ⊕ | ⊕ | SANITARY SEWER MANHOLE |
| ⊕ | ⊕ | POWER POLE WITH GUY WIRE |
| ⊕ | ⊕ | POLE |
| ⊕ | ⊕ | LIGHT POLE |
| ⊕ | ⊕ | STORM DRAIN INLET |
| ⊕ | ⊕ | STORM DRAIN MANHOLE |
| --- | --- | CONCRETE PAVING / SIDEWALK |
| --- | --- | FEMA 1% ANNUAL CHANCE FLOODPLAIN |
| --- | --- | STABILIZED CONSTRUCTION ENTRANCE |
| --- | --- | DRY STONE ROCK RIPRAP |
| --- | --- | LIMITS OF CONSTRUCTION |
| --- | --- | LIMITS OF CONSTRUCTION / SILT FENCE |



| DAM BASELINE | | |
|--------------|--------|---------------|
| LINE | LENGTH | DIRECTION |
| L30 | 142.72 | N72° 47' 21"E |
| L31 | 153.31 | N67° 49' 27"E |
| L32 | 180.25 | N73° 17' 14"E |
| L33 | 172.70 | N75° 30' 22"E |

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(956) 764-8106
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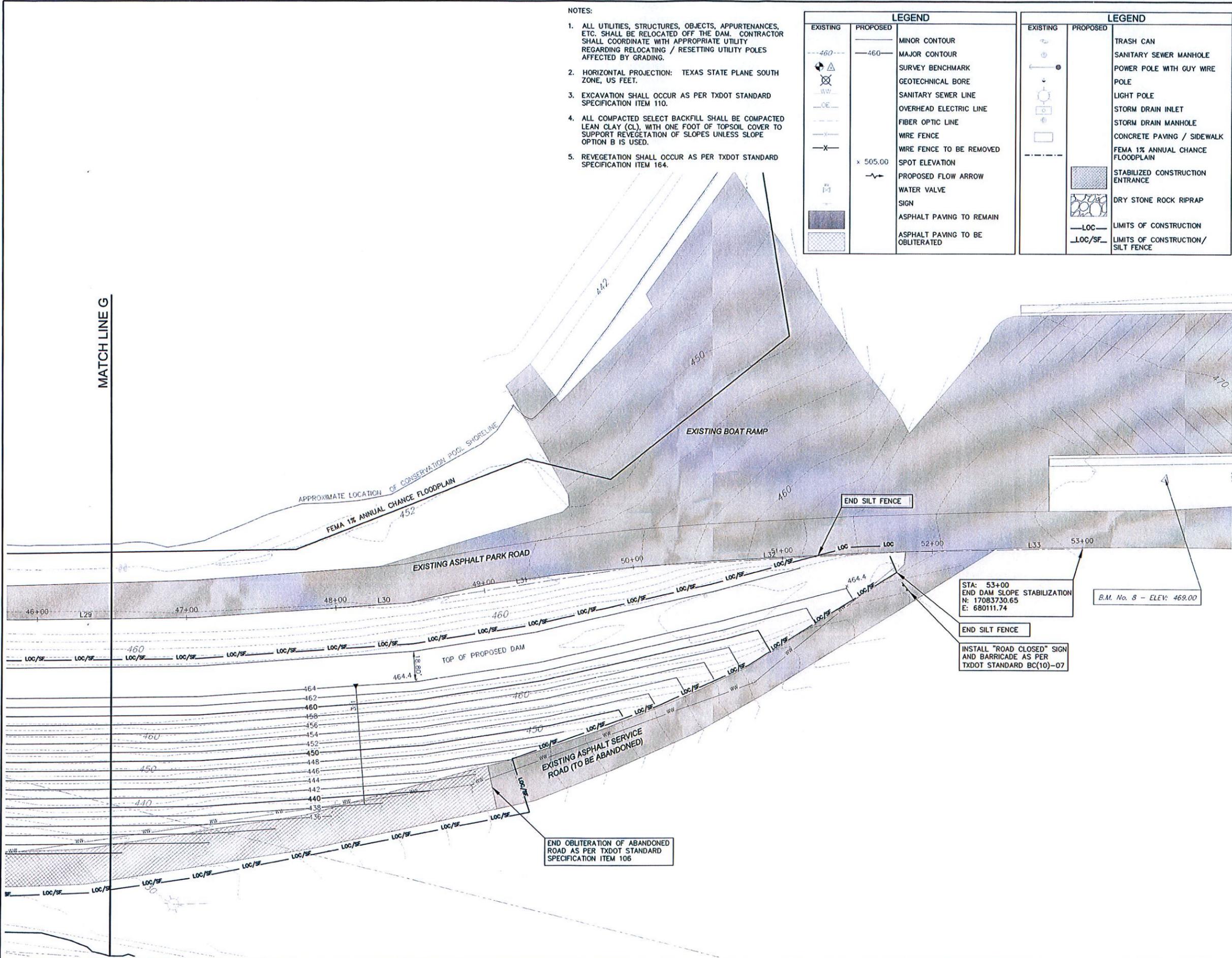
STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
THOMAS W. MOUNTZ
80364

**PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE
LAKE CASA BLANCA DAM & SPILLWAY
LAREDO, WEBB COUNTY, TEXAS**

**EROSION-SEDIMENTATION CONTROL
& SLOPE STABILITY GRADING PLAN H**

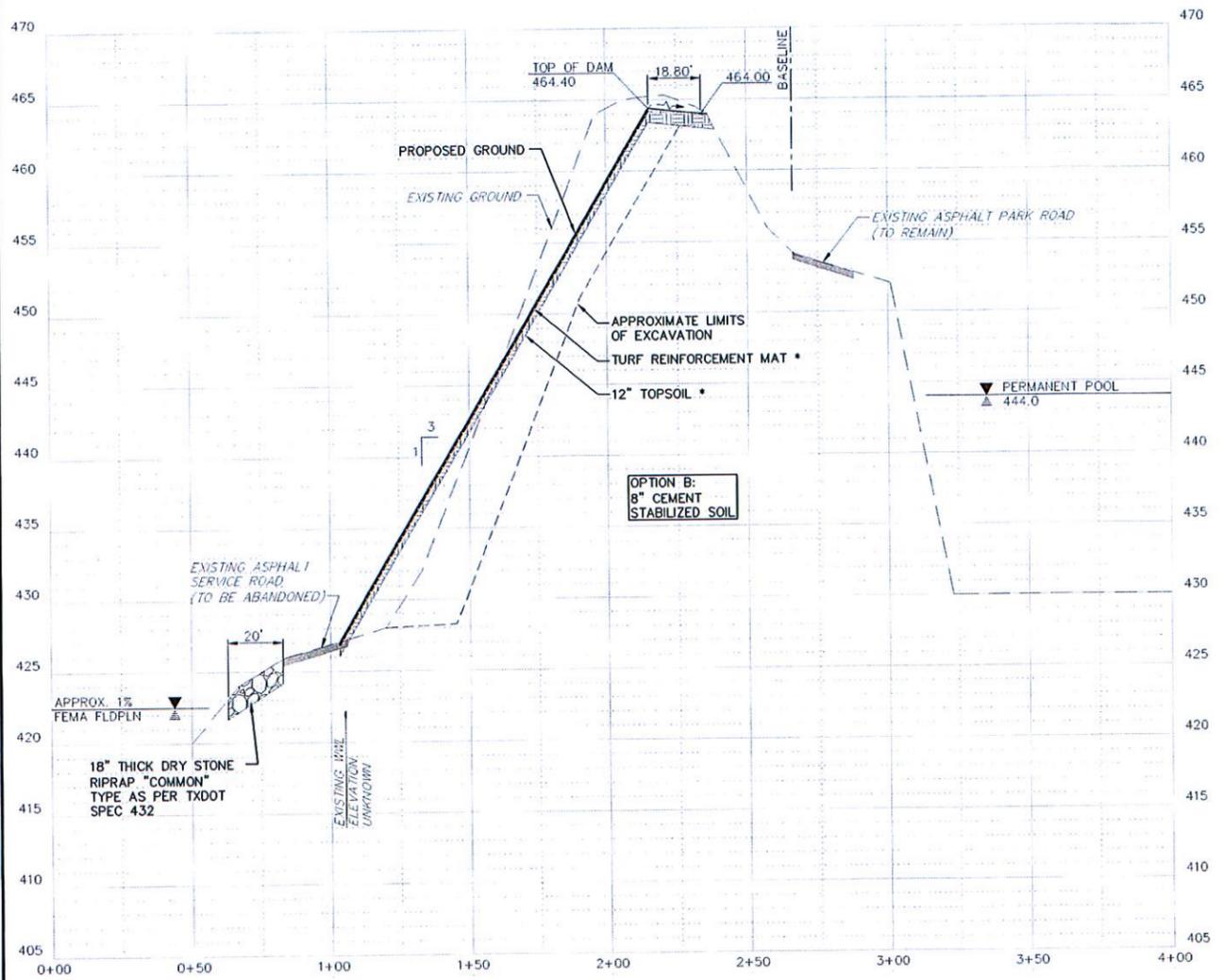
| NO. | DATE | REVISION / CORRECTION | BY | DATE | REVISION / CORRECTION | BY |
|-----|------|-----------------------|----|------|-----------------------|----|
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SHEET H

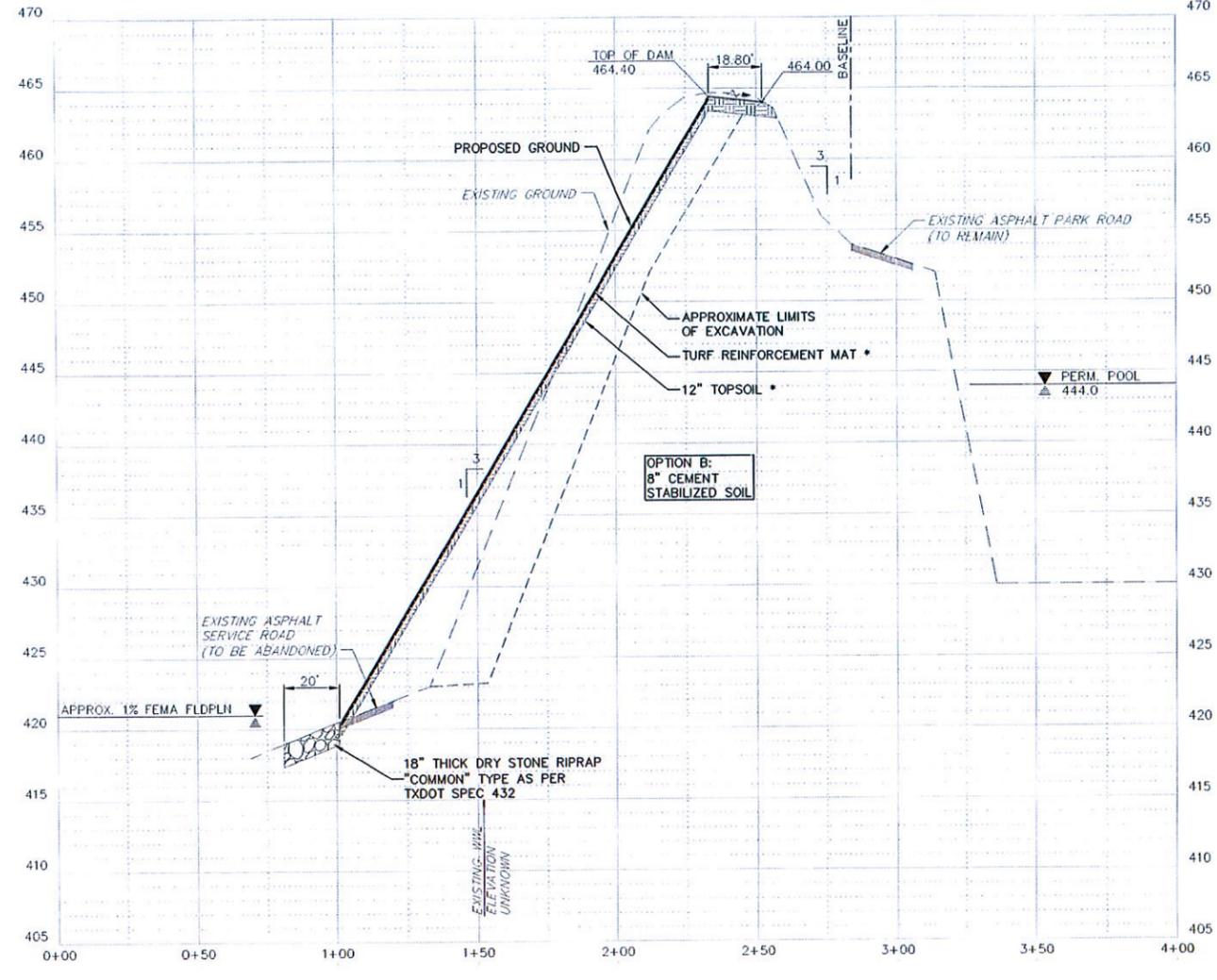


MATCH LINE G

JANUARY 2011, LAKE CASA BLANCA, EC #09044.00



SECTION A-A (STA. 45+00)
 1" = 30' HORIZONTAL
 1" = 6' VERTICAL



SECTION B-B (STA. 38+00)
 1" = 30' HORIZONTAL
 1" = 6' VERTICAL

EC
 Espey Consultants, Inc.
 707 E. Carlton Road
 Suite 202-141
 Laredo, Texas 78041
 (956) 764-8106
 TBPE #F-293

STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 THOMAS W. MOUNTZ
 80364

JANUARY 2011, LAKE CASA BLANCA, EC #09044.00

**PROPOSED SLOPE REPAIRS & MODIFICATIONS FOR THE
 LAKE CASA BLANCA DAM & SPILLWAY
 LAREDO, WEBB COUNTY, TEXAS**

**TYPICAL DAM SLOPE IMPROVEMENT
 MODIFICATIONS SECTIONS**

| NO. | DATE | REVISION/CORRECTION | BY |
|-----|------|---------------------|----|
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CHECKED BY: JTW DESIGNED BY: JTW DRAWN BY: SU

The use of this standard is governed by the "Texas Engineering Practice Act". No warranty, of any kind, is made by the Department of Transportation, or its employees, for the use of this standard in any project or for incorrect results or damages resulting from its use.

TYPE III BARRICADES

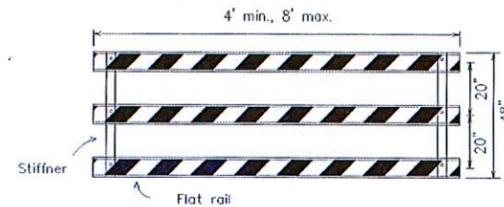
- Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type III Barricades and a list of all materials used in the construction of Type III Barricades.
- Type II Barricades shall be used at each end of construction projects closed to all traffic.
- Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road striping should slope downward in both directions toward the center of roadway.
- Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
- Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
- Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
- Warning lights shall NOT be installed on barricades.
- Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
- Sheeting for barricades shall be retroreflective Type C (High Specific Intensity) conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

Barricades shall NOT be used as a sign support.

TYPICAL STRIPING DETAIL FOR BARRICADE RAIL

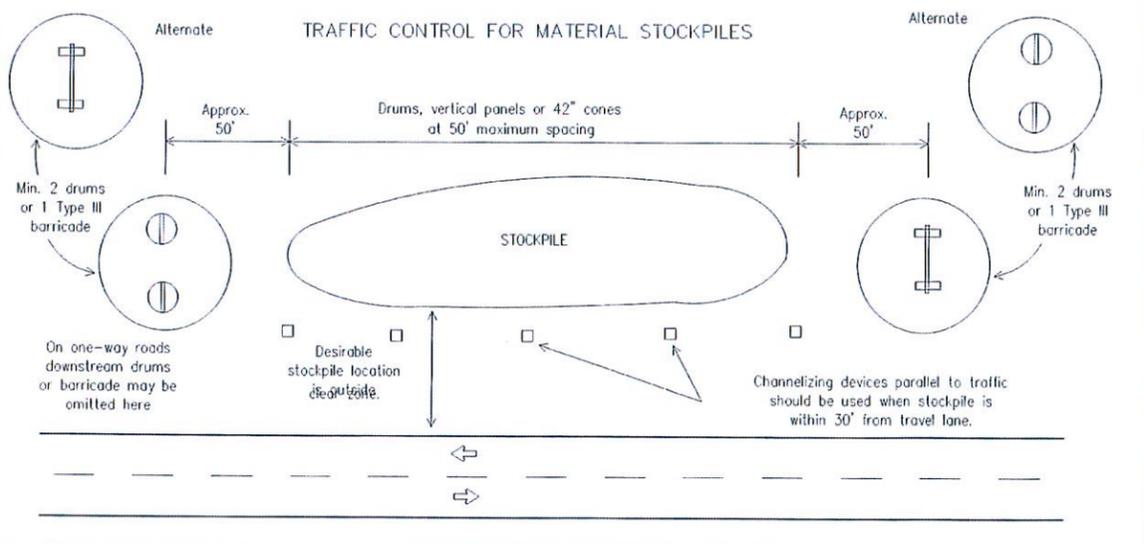


TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES



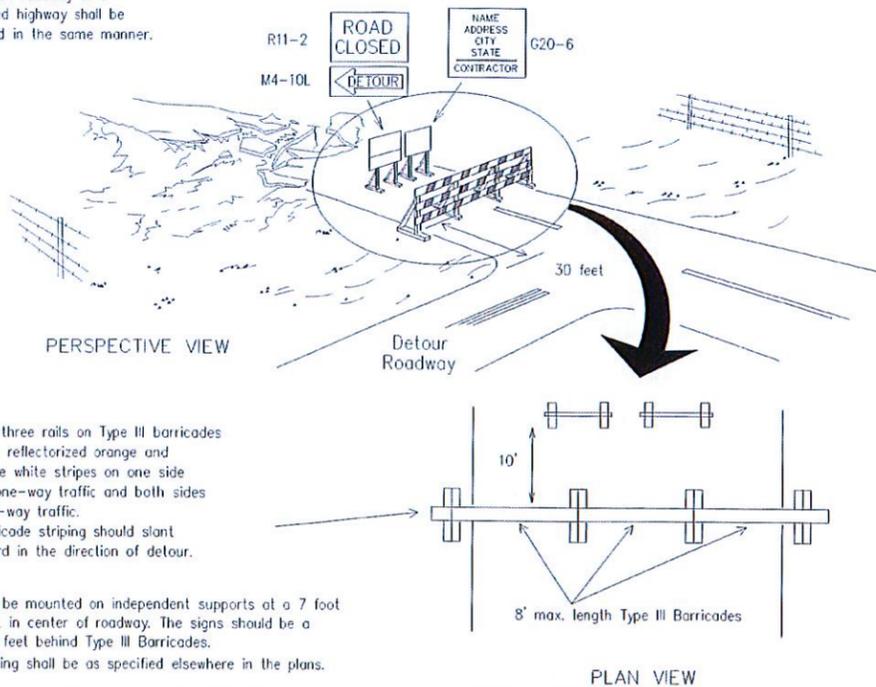
Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

TRAFFIC CONTROL FOR MATERIAL STOCKPILES



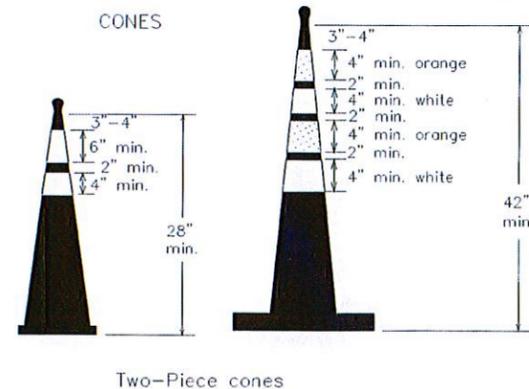
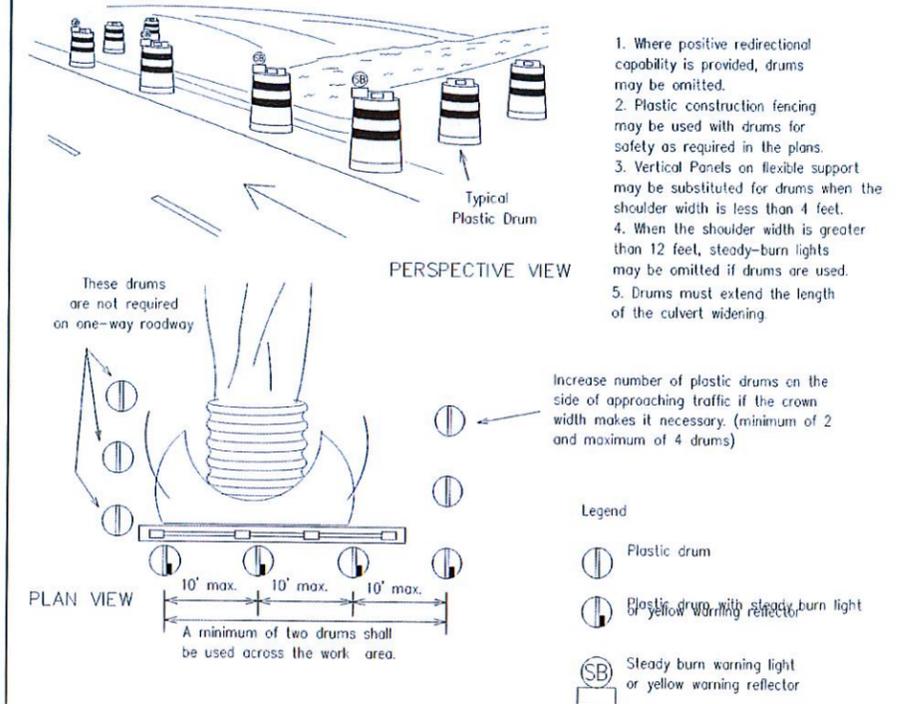
TYPE III BARRICADE (POST AND SKID) TYPICAL APPLICATION

Each roadway of a divided highway shall be barricaded in the same manner.



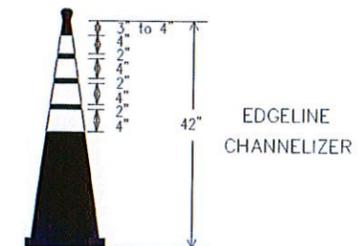
- Signs should be mounted on independent supports of a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type III Barricades.
- Advance signing shall be as specified elsewhere in the plans.

CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



28" Cones shall have a minimum weight of 9 1/2 lbs.
 42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

- Traffic cones and tubular markers shall be a minimum of 28 inches in height when used either on freeways or at nighttime.
- Cones or tubular markers shall be predominantly orange, fluorescent red-orange, or fluorescent yellow-orange. They should be kept clean and bright for maximum visibility.
- Cones used only for daytime operations do not require the reflectorized bands.
- Cones and tubular markers used for nighttime operations shall be reflectorized. Reflectorized material shall have a smooth, sealed outer surface that displays the same approximate color during the day and night. The reflectorized bands shall be retroreflective Type C (High Specific Intensity) conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
- When used at night, appropriate personnel shall ensure that cones and tubular markers remain in their proper location and in an upright position.
- Reflectorization of 28" cones shall consist of a minimum 6 inch band placed at least 3 inches but not more than 4 inches from the top, supplemented by a minimum 4 inch band spaced a minimum of 2 inches below the 6 inch band.
- Reflectorization of 42" cones shall be provided by alternating 4 to 6" orange and white stripes with orange on top.
- Reflectorization of tubular markers shall be a minimum of two 3 inch bands placed a maximum of 2 inches from the top with a maximum of 6 inches between bands.
- One-piece cones or tubular markers are generally suitable for temporary usage (up to 8 hours) with other channelization devices such as vertical panels, drums or two-piece cones for long term usage. Care should be taken to ensure they remain in their proper location and in an upright position.
- Cones or tubular markers used on each project shall be of the same size and shape.
- The handle may be designed as a hook or other shape, fabricated from non-rigid materials similar to the cone material, and may extend up to a maximum of 8 inches above the top of cone. Length of the handle shall not be considered with regard to the overall height of the cone.



- This device is intended only for use in place of a vertical panel to channelize traffic by indicating the edge of the travel lane. It is not intended to be used in transitions or tapers.
- This device shall not be used to separate lanes of traffic (opposing or otherwise) or warn of objects.
- This device is based on a 42 inch, two-piece cone with an alternate striping pattern: four 4 inch retroreflective bands, with an approximate 2 inch gap between bands. The color of the band should correspond to the color of the edgeline (yellow for left edgeline, white for right edgeline) for which the device is substituted or for which it supplements. The reflectorized bands shall be retroreflective Type C encapsulated bead (High Specific Intensity) conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
- The base must weigh a minimum of 30 lbs.

Texas Department of Transportation
Traffic Operations Division

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES STANDARD

10 of 12

BC(10)-07

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|-----------------|------------|-----------|-----------|-----------|
| © TxDOT 11-4-02 | DIV: TxDOT | CK: TxDOT | DW: TxDOT | CK: TxDOT |
| 9-07 | REVISIONS | CONT | SECT | HIGHWAY |
| | | EC | #09044.00 | |
| | | DIST | COUNTY | SHEET NO. |
| | | WEBB | | 15 OF 16 |

PROOF OF NO DELINQUENT TAXES OWED TO WEBB COUNTY

This is to certify that _____ owes no delinquent property taxes to Webb County.

_____ owes no property taxes as a business in Webb County.
(Business Name)

_____ owes no property taxes as a resident of Webb County.
(Business Owner)

Person who can attest to the above information

*** SIGNED DOCUMENT AND PROOF OF NO DELINQUENT OR OWED TAXES TO WEBB COUNTY.**