



City of Brownsville
Purchasing & Contract Services Department

Invitation for Bids for Construction of Belden Trail – Phase 3 for the City of Brownsville

BID # CBT-12-0219

PRE-BID MEETING DATE: January 31, 2019
PRE- BID MEETING TIME: 10:00 A.M.
At Purchasing Department – Conference Room

BID DUE DATE: February 19, 2019
BID DUE TIME: 3:00 P.M.



Invitation for Bids for Construction of the Belden Trail for the
City of Brownsville

BID # CBT-12-0219

February 19, 2019 at 3:00 P.M.

Calendar of Events

1. Advertise Solicitation: **Sunday, January 20th, and 27th, 2019**
2. Pre-Bid Meeting Date and Time: **Thursday, January 31st, 2019 at 10:00 A.M.**
3. Due Date for Written Questions: **Tuesday, February 12th, 2019 at 3:00 PM**
4. Due Date for Written Answers: **Thursday, February 14th, 2019 at 3:00 P.M.**
5. Due Date for Bids: **Tuesday, February 19th, 2019 at 3:00 P.M.**
6. Tentative Award Date: **Tuesday, March 5th, 2019**



**Invitation for Bids for Construction of the Belden Trail for the
City of Brownsville**

BID # CBT-12-0219

February 19, 2019 at 3:00 P.M.

INVITATION

*** B/P/Q (Bid/Proposal/Qualifications)**

<u>Description</u>	<u>NUMBER</u>	<u>Pre-Bid Meeting</u>	<u>OPENING</u>
Invitation for Bids – Construction of Belden Trail – Phase 3 for the City of Brownsville	*B CBT-12-0219	January 31, 2019 10:00 A.M.	February 19, 2019 3:00 P.M.

Sealed, bids/proposals will be received by the City of Brownsville, at the Office of **Roberto C. Luna, Jr., Purchasing Director**, located at **City Hall, 1001 E. Elizabeth Street, Suite 101, Brownsville, Texas 78520**, (956) 548-6087, e-mail: purchasing@cob.us.

Copies of the bid documents consisting of detailed specifications, general requirements or other information may be obtained at the Purchasing Department.

Interested Bidders/Proposer are invited to attend the Bid/Proposal opening at the Office of the Purchasing/Contracting Department on the dates specified. Presence is not mandatory. Specifications may also be viewed and downloaded at:

<http://www.cob.us>

<http://www.bidnetdirect.com>

Roberto C. Luna, Jr.
Purchasing Director



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Acknowledgment of Receipt

Please submit this page upon receipt.

For any clarifications, please contact Mr. Roberto C. Luna, Purchasing Director, at the City of Brownsville Purchasing & Contract Services office at (956) 548-6087 or e-mail: purchasing@cob.us.

Please fax, and/or e-mail this page upon receipt of I.F.B. package no later than **December 17, 2018** before 3:00 P.M. CST.

Fax: (956) 546-2711

If you are unable to respond on this item, kindly indicate your reason for “**Not Responding**” below and fax back. This will insure you remain active on our vendor list.

Date: _____

() **Yes, I will be able to submit a Bid.**

() **No, I will not be able to submit a Bid for the following reason:**

Name: _____

Company: _____

Phone #: _____ Fax #: _____

E-mail address: _____

PLEASE NOTE:

Please take a moment to register your Company with the City of Brownsville Purchasing Department or update your registration on our new form at the following web site address:

<http://purchasing.cob.us>

<https://idp.bidnetdirect.com>



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MISCELLANEOUS

GENERAL INFORMATION: It is the intent of the City of Brownsville, Texas to solicit sealed competitive bids for **Construction of Belden Trail – Phase 3 for the City of Brownsville.**

Point of Contact.

For information regarding bidding procedures contact Mr. Roberto C. Luna,
Purchasing Director, (956) 548-6087

TERMINATION BY THE CITY - The City of Brownsville reserves the right of unilateral termination of the contract by providing a thirty (30) day written notice of such intent.

Forms. Enclosed you will find a Disclosure of Interests Form and a Statement of Non-Collusion. Fill-in both forms and return with your bid.

DISCLOSURE OF INTEREST FORM - Please complete the attached Disclosure of Interest form and submit with your bid proposal.

STATEMENT OF NON-COLLUSION FORM - Enclosed is a Statement of Non-Collusion, which must be completed by the vendor and submitted with the bid.

CERTIFICATION FORM - Compliance with requirements for the participation of DBE's/ Debarment, Suspension, and other ineligibility and voluntary exclusion lower tier covered transactions/ Certification regarding restrictions on lobbying.

ADDENDA

The following Addenda have been received. The modifications to the Contract Documents noted therein have been considered and all costs thereto are included in the Bid Price.

Addendum No. Dated

Addendum No. Dated

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BID OPENING DATE

The public bid opening shall be held on **February 19th, 2019 at 3:00 P.M.**, in the Purchasing/Contracting Office. Said office is located at City Hall, 1001 E. Elizabeth St., 1st Floor, Suite No. 101, Brownsville, Texas 78521

Mark Envelope:

**Invitation for Bids for Construction of Belden Trail – Phase 3 for
the City of Brownsville**

**Bid Opening Date: February 19, 2019
Bid Opening Time: 3:00 P.M.**

Telegraphic bids will not be considered.

Bids may not be withdrawn after the bid opening.

The City of Brownsville reserves the right to reject any and all bids.

SUBMISSION OF REQUESTS FOR CLARIFICATIONS OR CHANGES:

All requests for approved equals, modifications or clarifications must be received in writing, no later than **Tuesday, February 12th, 2019 at 3:00 P.M.** Central Time, to Mr. Roberto C. Luna, Jr., Purchasing and Contract Services Director, City of Brownsville, City Hall 1001 E. Elizabeth St., First Floor, Suite 101, Brownsville, Texas, 78520. **BASIS OF BID AWARD** – The contract will be awarded to the responsible and responsive bidder meeting the specifications and having the lowest possible unit price of the Bid, consistent with the **quality** needed for effective use. All prices quoted will be firm. Award to successful bidder will be made by Commission action.

A certified or cashier's Check or an original Bid Proposal Guaranty issued by a corporate surety company licensed to do business in the State of Texas and payable to the order of the City of Brownsville, Texas, in an amount not less than five percent **(5%)** of the greatest total amount of the Bid Proposal, must accompany each Bid as a guarantee that if awarded the Contract, the successful Bidder will promptly enter into a Contract and execute payment and performance bonds as outlined in the specification and Contract Documents.

A Performance Bond, in an amount of not less than one hundred percent (100%) of the Contract Price, conditioned upon the faithful performance of the Contract; a



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Payment Bond, as required by Chapter §2253 of the Texas Government Code, guaranteeing the payment of all persons supplying labor and furnishing materials; and an Extended Warranty Bond, either by separate instrument or incorporated in the foregoing bonds, will be required. Payment and performance bonds provided to the City of Brownsville for these purposes are required to conform with Article 7.19-1 of the Texas Insurance Code. To that end, all bonds provided (i) must be executed by a surety company holding a certificate of authority from the United States secretary of the treasury to qualify on obligations permitted or required under federal law—or- (ii) must be provided by a surety company that is covered by reinsurance for any liability in excess of \$100,000.00 from a reinsurer authorized and admitted as a reinsurer in Texas holding a certificate of authority from the United States secretary of the treasury to qualify on obligations permitted or required under federal law. (See Chapter 2253 – Performance and Payment Bond)

A. A listing on the Department of the Treasury Listing of Approved Sureties on the date of bond issuance shall be sufficient proof of the aforesaid certificate of authority.

B. A copy of the reinsurance contract(s) with accompanying cover letter with original signature shall be sufficient proof of the aforesaid reinsurance.

Contractor shall provide either a copy of the list as described in “A.” above, or the contract(s) and letter described in “B.” above, together with the payment and performance bonds.

Bid Bonds, Performance Bonds, Payment Bonds, and Extended Warranty Bonds issued by a corporate surety company not licensed to do business in the State of Texas will not be accepted.

C. The undersigned BIDDER further agrees to complete the project and achieve Substantial completion within **NINETY (90) consecutive calendar days** from the Date of Commencement, unless such time is extended by the City of Brownsville and that **Three-Hundred and 00/100 Dollars (\$300.00)** per each consecutive calendar day will be the measure of liquidated damages assessed the undersigned for each calendar day in excess required to complete work under the contract for each portion of the project.



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INDEMNIFICATION

BIDDER covenants and agrees to FULLY INDEMNIFY, DEFEND and HOLD HARMLESS, the CITY and the elected officials, employees, officers, directors, volunteers and representatives of the CITY, individually and collectively, from and against any and all costs, claims, liens, damages, losses, expenses, fees, fines, penalties, proceedings, actions, demands, causes of action, liability and suits of any kind and nature, including but not limited to, personal or bodily injury, death and property damage, made upon the CITY directly or indirectly arising out of, resulting from or related to BIDDER'S activities under this contract, including any acts or omissions of BIDDER, any agent, officer, director, representative, employee, consultant or subcontractor of BIDDER, and their respective officers, agents employees, directors and representatives while in the exercise of the rights or performance of the duties under this contract. The indemnity provided for in this paragraph shall not apply to any liability resulting from the negligence of CITY, its officers or employees, in instances where such negligence causes personal injury, death, or property damage. IN THE EVENT BIDDER AND CITY ARE FOUND JOINTLY LIABLE BY A COURT OF COMPETENT JURISDICTION, LIABILITY SHALL BE APPORTIONED COMPARATIVELY IN ACCORDANCE WITH THE LAWS FOR THE STATE OF TEXAS, WITHOUT, HOWEVER, WAIVING ANY GOVERNMENTAL IMMUNITY AVAILABLE TO THE CITY UNDER TEXAS LAW AND WITHOUT WAIVING ANY DEFENSES OF THE PARTIES UNDER TEXAS LAW.

The provisions of this INDEMNITY are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity. BIDDER shall advise the CITY in writing within 24 hours of any claim or demand against the CITY or BIDDER known to BIDDER related to or arising out of BIDDER's activities under this contract, and shall see to the investigation and defense of such claim or demand at BIDDER's cost. The CITY shall have the right, at its option and at its own expense, to participate in such defense without relieving BIDDER of any of its obligations under this paragraph.

BID REJECTION OR PARTIAL ACCEPTANCE – The CITY OF BROWNSVILLE reserves the right to reject any or all bids. It further reserves the right to waive technicalities and formalities in bids, as well as to accept in whole or in part such bid or bids where it deems it advisable in protection of the best interests of the City.

CHANGE ORDERS - No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders will be made in writing by the City of Brownsville Purchasing & Contract Services Department.

SINGLE PROPOSAL - In the event a single proposal is received, the City will, at its option, conduct a price and/or cost analysis of the proposal and negotiate the award, or reject the proposal and re-advertise. A price analysis would be performed by comparing price quotations submitted on other current quotations, current price lists, or other established or competitive prices.



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CANCELLATION OF PROCUREMENT - The City of Brownsville reserves the right to cancel the procurement, at any time for any reason before the Contract is fully executed and approved on behalf of the City.

AVAILABILITY OF FUNDS - This procurement is subject to the availability of funding. The City's obligation hereunder is contingent upon the availability of appropriated funds from which payment for the Contract purposes can be made. No legal liability on the part of the City for any payment shall arise until funds are made available to the Contracting Officer for this Contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer. Any award of Contract hereunder will be conditioned upon said availability of funds for the Contract.

PAYMENT AND PERFORMANCE BONDING CAPACITY LETTER - To be included with bid package.

BID PRICING - The proposal prices quoted on this form are firm proposal prices which are good for ninety (90) calendar days following the acknowledgement of proposals and are not subject to price adjustments. I have attached and initialed a copy of the City's specifications for the item(s) proposal on this form to clarify my understanding as to what features shall be required in the equipment.

BID AWARD – Bid award will be made on **ALL** on nothing basis.

INSURANCE - The contractor shall, at no expense to the City, instruct their insurance agent or carrier to furnish a certificate of insurance attesting to the issuance of policies affording coverage as required and listed in this section. Certificates required by this contract shall be submitted prior to award of the contract and should be forwarded to:

City of Brownsville
Purchasing/Contracting Division
City Hall 1001 E. Elizabeth St., 1st Floor, Suite No. 101
P. O. Box 911
Brownsville, Texas 78520
Attention: Mr. Roberto C. Luna, Jr., Purchasing/Contracting Director
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- A. The contractor shall furnish and keep in full force during the term of this contract the following insurance coverage:
- A) Worker's Compensation Insurance
Amount: Statutory
 - B) Comprehensive General Liability Insurance
Amount: \$500,000 Each Occurrence
\$1,000,000 General Aggregate
 - C) Comprehensive Automobile Liability Insurance (applicable to owned, non-owned and hired vehicles)
Amount: \$500,000 Combined Single Limit



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- B. The premiums to be expended for all of the above enumerated policies of insurance shall be paid by the contractor. The policies of insurance, certificates of insurance and the insurance company(s) issuing such certificates or policies of insurance must be acceptable to the City.
- C. All policies or certificates of insurance must be issued indicating that such policies or certificates are applicable to work being performed under a specific contract or to all work performed by the contractor for the City of Brownsville.
- D. All of the aforementioned policies and certificates of insurance should be issued immediately after the contractor receives notification of award. It should be clearly understood that the contractor is not to commence any work until a written notice to proceed is received from the City. Policies and certificates of insurance must **clearly indicate that they will remain in force for a period of at least twelve (12) months from inception date.**
- E. A minimum of thirty (30) days written notification must be given by an insurer of any alteration, material change or cancellation affecting any certificates or policies of insurance as required under this contract. The City of Brownsville is to be named as an additional insured.
 - 1) Such required notification must be sent via registered or certified mail to the address indicated in Section above.



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Restrictions on Lobbying Activity

A. Prohibited Contacts During Contract Evaluation

A vendor/contractor or a vendor's/contractor's agent/representative is prohibited from contacting city officials, including elected officials, and employees regarding a proposed contract from the time a Request for Proposal (RFP), a Request for Statements of Qualifications (RFQ-SOQ), a Bid Solicitation (IFB) or other solicitation has been released until the contract has been acted on by the City Commission. If contact is required, such contact will be done in accordance with procedures incorporated into the solicitation document. Violation of this provision by contractors, respondents or their agents, including lobbyists, may lead to disqualification of the respondent's offer.

B. A Lobbyists or Vendor/ Contractor May Not Place City Official Under Personal Obligation

A Lobbyist or a Vendor/Contractor or any of their agents may not do any act or refrain from any act for the express purpose and intent of placing any city official under personal obligation to the Lobbyist or Vendor/ Contractor.

. False Statements

A lobbyist or the vendor/contractor or any of their agents/representatives cannot intentionally or knowingly make any false or misleading statement of fact to any city official, or cause a copy of a document with false information to be received by an official without notifying the official in writing of the truth. Likewise, a registrant who learns that a statement in a registration form or activity report during the previous 3 years is false must correct that statement within 30 days by written notification to the Office of the City Secretary.

D. Use of False Identification

A lobbyist or the vendor/contractor or any of their agents/representatives cannot communicate with a city official in the name of any fictitious person or in the name of any real person, without that person's consent.

E. Improper Influence

A lobbyist or the vendor/contractor or any of their agents/representatives cannot cause or influence the introduction of any ordinance, resolution, appeal, application, petition, nomination, or amendment for the purpose of later being employed as a lobbyist to secure its granting, denial, confirmation, rejection, passage, or defeat.

F. Improper Representation

A lobbyist or the vendor/contractor or any of their agents/representatives cannot represent that the person can control or obtain the vote or action of any city official.



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Disclosures and Requirements for City Vendors/Contractors

Lobbyists are often retained for the purpose of assisting vendor/contractor seeking to do business with the city. The standards of conduct applicable to city contractors or other vendor/contractor of lobbyists are discussed below.

A. Prohibited Contacts During Contract Evaluation

A vendor/contractor or a vendor's/contractor's agent is prohibited from lobbying activities with city officials, including elected officials, and employees regarding a proposed contract from the time a Request for Proposal (RFP), a Request for statements of Qualifications (RFQ-SOQ), a Bid Solicitation (IFB) or other solicitation has been released until the contract is posted as a City Commission agenda item. If contact is required, such contact will be done in accordance with procedures incorporated into the solicitation document. Violation of this provision by respondents or their agents, including lobbyists, may lead to disqualification of the respondent's offer. There is a parallel no-contact provision for lobbyists and their agents.

B. The City's Discretionary Contracts Disclosure Form

When seeking a discretionary^{1[2]} city contract, the contractor must submit a form disclosing:

- the identity of all parties to the contract;
- subcontractors;
- partners, parent or subsidiary business entities of any party to the contract;
- any lobbyist or public relations firm that has been employed for a purpose related to the contract.

The vendor/contractor must also disclose all political contributions^{2[3]} totaling more than \$100 made by the parties or the other individuals or entities listed on the form made directly or indirectly to:

- any current or former member of City Commission, including the Mayor;
- any candidate for City Commission, including the Mayor;
- any political action committee (PAC) that contributes to City Commission elections. Indirect contributions include contributions made by an individual's spouse or by the officers, owners, attorneys, or registered lobbyists of the entity.

Indirect contributions do not include contributions by owners of a business entity who hold less than 5% of the fair market value or voting stock of the entity. If a publicly traded corporation seeks to contract with the city, it will not be required to list contributions made by its shareholders whose holdings are less than 5%. ^{2 -}

Discretionary contract" means any contract other than those which by law must be awarded on a low or high qualified bid process. They do not include contracts subject to Section 252.022(a)(7) of the Texas Local Government Code or those contracts not involving an exercise of judgment or choice. ³ Political contributions include both campaign and officeholder contributions.



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C. Chapter 176 of the Local Government Code

Effective January 1, 2006, Chapter 176 of the Local Government Code requires all vendors or those who seek to contract for the sale or purchase of property, goods, or services with a local governmental entity to submit a completed "conflict of interest questionnaire" with the Office of the City Secretary within seven (7) days after the person:

- 1) begins contract discussions or negotiations; or
- 2) submits an application, response to a request for proposal or bids, correspondence, or another writing related to a potential agreement with the local governmental entity.

The questionnaire requires the vendor/contractor or contract seeker to disclose business or employment relationships with Commissioners, Mayor and the City Manager. The Texas Ethics Commission is responsible for drafting the questionnaire and a link to the form on the Texas Ethics Commission website is posted on the "Forms" page of the city's ethics webpage. It is subject to change and anyone subject to the requirement should consult the TEC website to obtain the most up-to-date form.

Violation of Chapter 176 of the Local Government Code is a class C misdemeanor. Please consult your own legal counsel for questions about compliance.

D. Political Contribution Prohibition

Any person or company official acting as a legal signatory for a proposed "high-profile" city contract cannot make a political contribution to any Commissioner or candidate from the time a Request for Proposal (RFP), Request for Statements of Qualifications (RFQ-SOQ) or Invitation for Bids (IFB) is issued or from the time negotiations or discussions for a contract for which no competitive solicitation begins until thirty (30) days after the contract is awarded.

The designation of "high-profile" is assigned in accordance with the City of Brownsville Purchasing Policy Manual.

4. "High-Profile"- A designation of profile assessment, based on contract value, level of community interest, non-competitive acquisition, and contract complexity.



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AUTHORIZED CONTACT FORM:

This *IFB/RFP/SOQ has been issued by City of Brownsville Purchasing & Contract Services Department. The Purchasing & Contract Services Department shall be the vendor's sole point of contact with regard to the IFB/RFP/SOQ, its content, and all issues concerning it.

All communication regarding this IFB/RFP/SOQ shall be directed to an authorized representative of City Purchasing & Contract Services Department. The Purchasing Director or Assistant Director facilitating this IFB/RFP/SOQ is identified on the cover along with his or her telephone number, and he or she shall be the primary point of contact for discussions or information pertaining to the IFB/RFP/SOQ. Contact with any other representative, including elected officials, for the purpose of discussing this IFB/RFP/SOQ, its content, or any other issue concerning it, is prohibited unless authorized by the Purchasing & Contract Services Department Director or Assistant Director. Violation of this clause, by the vendor having unauthorized contact (verbally or in writing) with such City representatives, may constitute grounds for rejection by the Purchasing & Contract Services Department of the vendor's quotation.

The above stated restriction on vendor contact with City representatives shall apply until the City has awarded a purchase order or contract to a vendor or vendors.

SIGNATURE _____ TITLE _____

COMPANY _____ DATE _____

State of _____, County of _____

Subscribed and sworn to before me this _____ day of _____, 20____

Notary Public _____

My Appointment Expires: _____

* IFB – Invitation for Bids
RFP – Request for Proposals
SOQ – Statements of Qualifications



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The undersigned agrees, if this bid is accepted, to furnish any and all items/materials upon which prices are offered, at the price(s) and upon the terms and conditions contained in the Specifications. The period for acceptance of this Bid Proposal will be thirty (30) calendar days unless a different period is noted by the bidder.

The undersigned affirms that they have read and do understand the specifications and any attachments contained in this bid package.

DATE: _____

COMPANY NAME: _____

AUTHORIZED
REPRESENTATIVE: _____

TITLE: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE NO: _____ FAX NO. _____



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REQUEST FOR APPROVED EQUALS

Change Form / Request for Approved Equals

PREPARED BY:	DATE:
ADDRESS:	PHONE: ()
SPEC. #: - _____)	SPEC. DATE:
LOCATION OF REQUEST FOR CHANGE (PAGE, PARAGRAPH #):	
CHANGE REQUESTED	
COMMENTS / REASON FOR CHANGE:	
AGENCY USE ONLY	
REVIEWED BY:	DATE:
ACTION TAKEN:	CONTROL #: _____
COMMENT:	

Note: A separate form must be submitted for each request for an approved equal. Proposers are required to submit technical information for each item. Any request received without the necessary technical information will be returned.



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FORM FOR PROPOSAL DEVIATIONS

The following form shall be completed for each condition, exception, reservation or understanding (i.e., Deviations) in the proposal according to "Conditions, Exceptions, Reservations and Understandings".

Deviation # _____ Offeror: _____

Solicitation Ref: _____ Page: _____ Section: _____

Complete Description of Deviations: _____

Rationale (Pros & Cons): _____



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VENDOR ACKNOWLEDGMENT FORMS
CITY OF BROWNSVILLE
NON-COLLUSIVE BIDDING CERTIFICATION

I/We have read instructions to bidder and specifications. My/Our bid conforms with all bid specifications, conditions, and instructions as outlined by *CITY OF BROWNSVILLE*. Signing the Acknowledgment Form confirms that our company will enter into a binding contract with CITY OF BROWNSVILLE for item(s) awarded to our company. I/We have read instructions to bidder and specifications.

The undersigned Bidder, by signing and executing this bid, certifies and represents to the CITY OF BROWNSVILLE that Bidder has not been offered, conferred or agreed to confer any pecuniary benefit, as defined by §1.07(a)(6) of the Texas Penal Code, or any other thing of value as consideration for the receipt of information or any special treatment or advantage relating to this bid; the Bidder also certifies and represents that Bidder has not offered, conferred or agreed to confer any pecuniary benefit or other things of value as consideration for the recipient's decision, opinion, recommendation, vote or other exercise of discretion concerning this bid; the Bidder certifies and represents that Bidder has neither coerced nor attempted to influence the exercise of discretion by any officer, trustee, agent or employee of the CITY OF BROWNSVILLE concerning this bid on the basis of any consideration not authorized by law; the Bidder also certifies and represents that Bidder has not received any information not available to other bidders so as to give the undersigned a preferential advantage with respect to this bid; the Bidder further certifies and represents that Bidder has not violated any state, federal or local law, regulation or ordinance relating to bribery, improper influence, collusion or the like and that Bidder will not in the future offer, confer, or agree to confer any pecuniary benefit or other thing of value to any officer, trustee, agent or member of the CITY OF BROWNSVILLE in return for the person having exercised the person's official discretion, power or duty with respect to this bid; the Bidder certifies and represents that it has not now and will not in the future offer, confer, or agree to confer a pecuniary benefit or other thing of value to any officer, trustee, agent or member of CITY OF BROWNSVILLE in connection with information regarding this bid, the submission of this bid, the award of this bid or the performance, delivery or sale pursuant to this bid.

Date: _____

Company Name: _____

Signature: _____

Title: _____

Note: This form must be filled in and submitted with the sealed proposal.



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**CITY OF BROWNSVILLE
DISCLOSURE OF INTERESTS**

City of Brownsville, Texas requires all persons or firms seeking to do business with the City to provide the following information. Every question must be answered. If the question is not applicable, answer with "NA." Corporations whose shares are publicly traded and listed on national or regional stock exchanges or over-the-counter markets may file a current Securities and Exchange Commission Form 10-K with the City in lieu of answering the questions below. See reverse side for definitions.

Date: _____

FIRM NAME:

ADDRESS _____

FIRM is: 1. Corporation () 2. Partnership () 3. Sole Owner ()
4. Association () 5. Other () _____

DISCLOSURE QUESTIONS

If additional space is necessary, please use the reverse side of this page or attach separate sheet.

1. State the names of each "employee" of the City of Brownsville having an "ownership interest constituting 10% or more of the voting stock or shares of the business entity or ownership of \$2,500 or more of the fair market value of the business entity or employed by the above named "firm."

Name	Title	Department

2. State the name of each "official" of the City of Brownsville having an "ownership interest" constituting 10% or more of the ownership in the above named "firm", or employed by the above named "firm."

Name	Title	Department



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3. State the names of each “board member” of the City of Brownsville having an “ownership interest” constituting 10% or more of the ownership in the above named “firm”, or employed by the above named “firm.”

Name	Board, Commission, or Committee

CERTIFICATE

I certify that all information provided is true and correct as of the date of this statement, that I have not knowingly withheld disclosure of any information requested; and that supplemental statements will be promptly submitted to the City of Brownsville, Texas as changes occur.

Certifying Person: _____ Title: _____
(Type or Print)

Signature of Certifying Person: _____ Date: _____



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DEFINITIONS

The following definitions of terms should be used in answering the questions set forth below:

- a. **“Board member.”** A member of any board, commission, or committee appointed by the City Commission of the City of Brownsville, Texas.
- b. **“Employee.”** Any person employed by the City of Brownsville, Texas either on a full or part-time basis, but not as an independent contractor.
- c. **“Firm.”** Any entity operated for economic gain, whether professional, industrial or commercial, and whether established to produce or deal with a product or service, including but not limited to, entities operated in the form of sole proprietorship, as self-employed person, partnership, corporation, joint stock company, joint venture, receivership or trust, and entities which for purposes of taxation are treated as non-profit organizations.
- d. **“Official.”** The Mayor, members of the City Commission, City Manager, Deputy City Manager, Assistant City Managers, Department and Division Heads, and Municipal Court Judge of the City of Brownsville, Texas.
- e. **“Ownership interest.”** Legal or equitable interest, whether actually or constructively held, in a firm, including when such interest is held through an agent, trust, estate or holding entity. “Constructively held” refers to holdings or control established through voting trusts, proxies, or special terms of venture of partnership agreements.”



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Sec. 252.043. AWARD OF CONTRACT.

- (a) If the competitive sealed bidding requirement applies to the contract for goods or services, the contract must be awarded to the lowest responsible bidder or to the bidder who provides goods or services at the best value for the municipality.
- (b) In determining the best value for the municipality, the municipality may consider:
 - (1) the purchase price;
 - (2) the reputation of the bidder and of the bidder's goods or services;
 - (3) the quality of the bidder's goods or services;
 - (4) the extent to which the goods or services meet the municipality's needs;
 - (5) the bidder's past relationship with the municipality;
 - (6) the impact on the ability of the municipality to comply with laws and rules relating to contracting with historically underutilized businesses and nonprofit organizations employing persons with disabilities;
 - (7) the total long-term cost to the municipality to acquire the bidder's goods or services; and
 - (8) any relevant criteria specifically listed in the request for bids or proposals.
- (c) Before awarding a contract under this section, a municipality must indicate in the bid specifications and requirements that the contract may be awarded either to the lowest responsible bidder or to the bidder who provides goods or services at the best value for the municipality.
- (d) The contract must be awarded to the lowest responsible bidder if the competitive sealed bidding requirement applies to the contract for construction of:
 - (1) highways, roads, streets, bridges, utilities, water supply projects, water plants, wastewater plants, water and wastewater distribution or conveyance facilities, wharves, docks, airport runways and taxiways, drainage projects, or related types of projects associated with civil engineering construction; or
 - (2) buildings or structures that are incidental to projects that are primarily civil engineering construction projects.
- (e) If the competitive sealed bidding requirement applies to the contract



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for construction of a facility, as that term is defined by Section 271.111, the contract must be awarded to the lowest responsible bidder or awarded under the method described by Subchapter H, Chapter 271.

- (f) The governing body may reject any and all bids.
- (g) A bid that has been opened may not be changed for the purpose of correcting an error in the bid price. This chapter does not change the common law right of a bidder to withdraw a bid due to a material mistake in the bid.
- (h) If the competitive sealed proposals requirement applies to the contract, the contract must be awarded to the responsible offeror whose proposal is determined to be the most advantageous to the municipality considering the relative importance of price and the other evaluation factors included in the request for proposals.
- (i) This section does not apply to a contract for professional services, as that term is defined by Section 2254.002, Government Code.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Amended by Acts 1997, 75th Leg., ch. 1370, Sec. 4, eff. Sept. 1, 1997; Acts 2001, 77th Leg., ch. 1409, Sec. 3, eff. Sept. 1, 2001.

Submitted,

(Name of Bidder)

(Signature)

(Print)

Date



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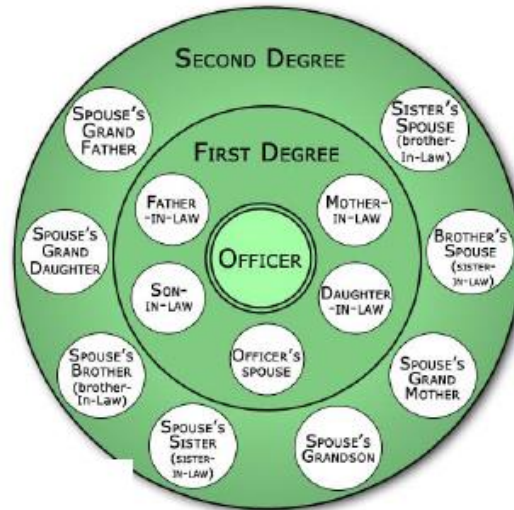
February 19, 2019 at 3:00 P.M.

NEPOTISM CHART

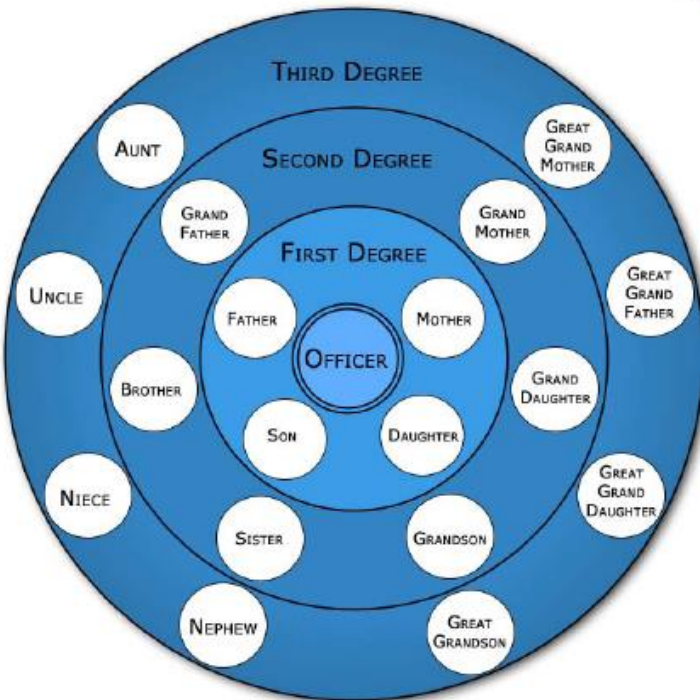
The chart below shows

- **Affinity Kinship** (relationship by marriage)
- **Consanguinity Kinship** (relationship by blood) for purposes of interpreting nepotism as defined in VTCA Government Code, Chapter 573, §§573.021 - .025

AFFINITY KINSHIP
Relationship by Marriage



CONSANGUINITY KINSHIP
Relationship by Blood





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Certificate of Interested Parties
House Bill 1295

In 2015, the Texas Legislature adopted [House Bill 1295](#), which added section 2252.908 of the Government Code. The law states that a governmental entity or state agency may not enter into certain contracts with a business entity unless the business entity submits a disclosure of interested parties to the governmental entity or state agency at the time the business entity submits the signed contract to the governmental entity or state agency. The law applies only to a contract of a governmental entity or state agency that either (1) requires an action or vote by the governing body of the entity or agency before the contract may be signed or (2) has a value of at least \$1 million. The disclosure requirement applies to a contract entered into on or after January 1, 2016.

The Texas Ethics Commission was required to adopt rules necessary to implement that law, prescribe the disclosure of interested parties form, and post a copy of the form on the commission's website. The commission adopted the Certificate of Interested Parties form (Form 1295) on October 5, 2015. The commission also adopted new rules (Chapter 46) on November 30, 2015, to implement the law. The commission does not have any additional authority to enforce or interpret [House Bill 1295](#).

A business entity must use the application to enter the required information on Form 1295 and print a copy of the completed form, which will include a certification of filing that will contain a unique certification number. An authorized agent of the business entity must sign the printed copy of the form and have the form notarized. The completed Form 1295 with the certification of filing must be filed with the governmental body or state agency with which the business entity is entering into the contract.

Follow the hyperlink below to submit electronic filing application Form 1295 *(Must be submitted with bid/proposal package to be considered by the City of Brownsville).* The Purchasing/Contracting Department requires "CERTIFICATE OF INTERESTED PARTIES FORM 1295" from your firm in order to be considered as per Government Code section §2252.908

[HTTPS://WWW.ETHICS.STATE.TX.US/FILE/](https://www.ethics.state.tx.us/file/)

Acknowledged by,

(Name of Bidder)

(Signature)

(Print)

Date

Note: This page must be filled in and submitted with the sealed bid/proposal as an acknowledgement of bid/proposal document requirements by the City of Brownsville



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CERTIFICATE OF INTERESTED PARTIES			FORM 1295																																							
<p>Complete Nos. 1 - 4 and 6 if there are interested parties. Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.</p>			OFFICE USE ONLY																																							
<p>1 Name of business entity filing form, and the city, state and country of the business entity's place of business.</p>																																										
<p>2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.</p>																																										
<p>3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the goods or services to be provided under the contract.</p>																																										
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th rowspan="2" style="width: 35%; padding: 5px;">4 Name of Interested Party</th><th rowspan="2" style="width: 25%; padding: 5px;">City, State, Country (place of business)</th><th colspan="2" style="width: 40%; padding: 5px;">Nature of Interest (check applicable)</th></tr><tr><th style="width: 50%; padding: 5px;">Controlling</th><th style="width: 50%; padding: 5px;">Intermediary</th></tr></thead><tbody><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr><tr><td style="height: 20px;"></td><td></td><td></td><td></td></tr></tbody></table>					4 Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)		Controlling	Intermediary																																
4 Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)																																								
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<p>5 Check only if there is NO Interested Party. <input type="checkbox"/></p>																																										
<p>6 AFFIDAVIT I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.</p> <div style="text-align: right; margin-top: 20px;"><p>_____ Signature of authorized agent of contracting business entity</p></div> <p style="margin-top: 10px;">AFFIX NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20 _____, to certify which, witness my hand and seal of office.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"><div>_____ Signature of officer administering oath</div><div>_____ Printed name of officer administering oath</div><div>_____ Title of officer administering oath</div></div>																																										
ADD ADDITIONAL PAGES AS NECESSARY																																										



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HISTORICALLY UNDERUTILIZED BUSINESSES SUBMITTAL REQUIREMENTS:

It is the policy of the City of Brownsville Purchasing & Contract Services Department to promote and encourage contracting and subcontracting opportunities for Historically Underutilized Businesses (HUB) in all contracts. Accordingly, the Purchasing & Contract Services Department has adopted the State of Texas Statewide HUB Program, administered by the Texas Building and Procurement Commission. If the Purchasing & Contract Services Department determines that subcontracting opportunities are probable, then a HUB Subcontracting Plan is a required element of the contract.

Please follow the following link and choose Cameron County to run a HUB search.

<http://www.window.state.tx.us/procurement/cmb/cmbhub.html>

Centralized Master Bidders List (CMBL) & Historically Underutilized Business (HUB) Search

Search:
☐ CMBL only, ☒ HUBs on CMBL, ☐ HUBs not on CMBL
☐ HUB Mentor Protege, ☐ All Vendors

Vendor ID: ?
Vendor Number: ?
Vendor Name: begins with Name ?
Include Inactive Vendors: ☐ ? Small Businesses Only: ☐ Yes, ☒ No

Selection 1: Class Code: Item: District:
Selection 2: Class Code: Item: District:
Selection 3: Class Code: Item: District: ?
[Class Code](#) | [Item Code](#) | [District](#)

Texas County: Cameron
City: begins with
Zip: begins with
Sort by: City
Output as: Detail List
Results: return all matches

? Click this Help icon for information and tips on generating search lists and files

Related Links
[CMBL Registration](#)
[HUB Directory](#)
[HUB Mentor Protege Agreement Listing](#)
[Excluded Parties List System Search](#)
[Debarred Vendors List](#)

Output may contain coded information in [Hub Status](#) and [Reason Off CMBL](#)

Texas Online | Statewide Search from the Texas State Library | State Link Policy | Texas Homeland Security

Susan Combs, Texas Comptroller • Window on State Government • Contact Us
Privacy and Security Policy | Accessibility Policy | Link Policy | Public Information Act | Compact with Texans



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CERTIFICATION FORM

A) COMPLIANCE WITH REQUIREMENTS FOR THE PARTICIPATION OF DISADVANTAGED BUSINESS ENTERPRISES (DBE's)

The bidder hereby certifies that it will not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The requirements of 49 CFR Part 26 and U.S. DOT-approved Disadvantage Business Enterprise (DBE) program are incorporated in this contract by reference.

B) DEBARMENT, SUSPENSION, AND OTHER INELIGIBILITY AND VOLUNTARY EXCLUSION LOWER TIER COVERED TRANSACTIONS

The bidder certifies that neither the bidder, its third party subcontractors, nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

C) CERTIFICATION REGARDING RESTRICTIONS ON LOBBYING

The bidder certifies that no Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

SIGNATURE _____ TITLE _____

COMPANY _____ DATE _____

State of _____, County of _____

Subscribed and sworn to before me this _____ day of _____, 20____.

Notary Public _____

My Appointment Expires: _____



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Protest Procedure

The protest must outline the specific portion of the specification or IFB procedure that had been violated.

Prospective bidders whose direct economic interest would be affected by the award of a contract or by failure to award a contract may file a protest. The purchaser (City of Brownsville/Engineering) will consider all protests requested in a timely manner regarding the award of a contract, whether submitted before or after an award. All protests are to be submitted in writing to: Roberto C. Luna, Jr., Purchasing/Contracting Director, City of Brownsville Purchasing Department, City Hall, 1001 E. Elizabeth St., First Floor, Suite 101 Brownsville, TX 78520. Protest submissions should be concise, logically arranged, and clearly state the grounds for protest. Protest must include the following information:

- (A) name, address, and telephone number of protestor,
- (B) identification of contract solicitation number,
- (C) a detailed statement of the legal and factual grounds of the protest, including copies of relevant documents, and
- (D) a statement as to what relief is requested.

Protest must be submitted to the City of Brownsville Purchasing Department in accordance with these procedures and time requirements must be complete and contain all issues that the protestor believes relevant.

In the procedure outline below, the Purchasing/Contracting Director is considered to be the Contracting Officer.

1.3.1 Protest Before Opening

Protests alleging restrictive specifications or improprieties which are apparent prior to the bid deadline or receipt of bids must be submitted in writing to the Contracting Officer at the address above and must be received at least seven (7) days prior to the bid opening. If the written protest is not received by the time specified in bid package may be received and award made in the normal manner unless the Contracting Officer determines that remedial action is required. Oral protest not followed up by a written protest will be disregarded. The Contracting Officer may request additional information from the appealing party and information or responses from other bidder, which shall be submitted to the Contracting Officer not less than ten (10) days after the date of the City of Brownsville's request. So far as practicable, appeals will be decided based on the written appeal, information and written responses submitted by the appealing party and other proposers. In failure of any party to timely respond to a request form information, it may be deemed by the purchaser that such party does not desire to participate in the proceeding, does not contest the matter, or does not desire to submit a response, and in such case, the protest will proceed and will not be delayed due to the lack of response. Upon receipt and review of written submissions and any independent evaluation deemed



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appropriate by the purchaser, the Contracting Officer shall either (a) render a decision, or (b) at the sole election of the Contracting Officer, conduct an informal hearing at which the interested parties will be afforded the opportunity to present their respective positions and facts, documents, justification, and technical information in support thereof. Parties may, but are not required to, be represented by counsel at the informal hearing, which will not be subject to formal rules of evidence or procedures. Following the informal hearing, if one is held, the Contracting Officer will render a decision, which shall be final, and notify all interested parties thereof in writing but no later than ten (10) days from the date of the informal hearing.

1.3.2 Protest After Opening/Prior to Award

Proposal protests against the making of an award by the purchaser must be submitted in writing to the Contracting Officer and received within seven (7) days of the award by the purchaser. Notice of the protest and the basis thereto will be given to all proposers. In addition, when a protest against the making of an award by the purchaser is received and it is determined to withhold the award pending disposition of the protest, the proposers whose proposals might become eligible for award shall be requested, before the expiration of the time for acceptance, to extend or to withdraw the proposal. Where a written protest against the making of an award is received in the time period specified, award will not be made prior to seven (7) days after resolution of the protest unless the purchaser determines that:

- (A) the items to be purchased are urgently required
- (B) delivery or performance will be unduly delayed by failure to make an award promptly, or
- (C) failure to make an award will otherwise cause undue harm to City of Brownsville or the federal government.

1.3.3 Protest After Award

In instances where the award has been made, the Contractor shall be furnished with the notice of protest and the basis thereof. If the contractor has not executed the contract as of the date of the protest is received by the City of Brownsville; the execution of the contract will not be made prior to seven (7) days after resolution of the protest unless the City of Brownsville determines that:

- (A) the items to be purchased are urgently required
- (B) delivery or performance will be unduly delayed by failure to make an award promptly, or
- (C) failure to make an award will otherwise cause undue harm to the City of Brownsville or the federal government.



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GOVERNMENT CODE

CHAPTER 2253. PUBLIC WORK PERFORMANCE AND PAYMENT BONDS

SUBCHAPTER A. GENERAL PROVISIONS

GOVERNMENT CODE

TITLE 10. GENERAL GOVERNMENT

SUBTITLE F. STATE AND LOCAL CONTRACTS AND FUND MANAGEMENT

CHAPTER 2253. **PUBLIC WORK PERFORMANCE AND PAYMENT BONDS**

SUBCHAPTER A. GENERAL PROVISIONS

Sec. 2253.001. DEFINITIONS. In this chapter:

- (1) "Governmental entity" means a governmental or quasi-governmental authority authorized by state law to make a public work contract, including:
 - (A) the state, a county, or a municipality;
 - (B) a department, board, or agency of the state, a county, or a municipality; and
 - (C) a school district or a subdivision of a school district.
- (2) "Payment bond beneficiary" means a person for whose protection and use this chapter requires a payment bond.
- (3) "Prime contractor" means a person, firm, or corporation that makes a public work contract with a governmental entity.
- (4) "Public work contract" means a contract for constructing, altering, or repairing a public building or carrying out or completing any public work.
- (5) "Public work labor" means labor used directly to carry out a public work.
- (6) "Public work material" means:



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(A) material used, or ordered and delivered for use, directly to carry out a public work;

(B) specially fabricated material;

(C) reasonable rental and actual running repair costs for construction equipment used, or reasonably required and delivered for use, directly to carry out work at the project site; or

(D) power, water, fuel, and lubricants used, or ordered and delivered for use, directly to carry out a public work.

(7) "Retainage" means the part of the payments under a public work contract that are not required to be paid within the month after the month in which the public work labor is performed or public work material is delivered under the contract.

(8) "Specially fabricated material" means material ordered by a prime contractor or subcontractor that is:

(A) specially fabricated for use in a public work; and

(B) reasonably unsuitable for another use.

(9) "Subcontractor" means a person, firm, or corporation that provides public work labor or material to fulfill an obligation to a prime contractor or to a subcontractor for the performance and installation of any of the work required by a public work contract.

Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993. Amended by Acts 1999, 76th Leg., ch. 62, Sec. 8.20, eff. Sept. 1, 1999.

Sec. 2253.002. EXEMPTION. This chapter does not apply to a public work contract entered into by a state agency relating to an action taken under Subchapter F or I, Chapter [361](#), Health and Safety Code, or Subchapter I, Chapter [26](#), Water Code.

Added by Acts 1997, 75th Leg., ch. 793, Sec. 18, eff. Sept. 1, 1997.



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SUBCHAPTER B. GENERAL REQUIREMENTS; LIABILITY

Sec. 2253.021. **PERFORMANCE AND PAYMENT BONDS REQUIRED.** (a)

A governmental entity that makes a public work contract with a prime contractor shall require the contractor, before beginning the work, to execute to the governmental entity:

(1) a performance bond if the contract is in excess of \$100,000; and

(2) a payment bond if:

(A) the contract is in excess of \$25,000, and the governmental entity is not a municipality or a joint board created under Subchapter D, Chapter 22, Transportation Code; or

(B) the contract is in excess of \$50,000, and the governmental entity is a municipality or a joint board created under Subchapter D, Chapter 22, Transportation Code.

(b) The performance bond is:

(1) solely for the protection of the state or governmental entity awarding the public work contract;

(2) in the amount of the contract; and

(3) conditioned on the faithful performance of the work in accordance with the plans, specifications, and contract documents.

(c) The payment bond is:

(1) solely for the protection and use of payment bond beneficiaries who have a direct contractual relationship with the prime contractor or a subcontractor to supply public work labor or material; and

(2) in the amount of the contract.

(d) A bond required by this section must be executed by a corporate surety in accordance with Section 1, Chapter 87, Acts of the 56th Legislature, Regular Session, 1959 (Article 7.19-1, Vernon's Texas Insurance Code).

(e) A bond executed for a public work contract with the state or a department, board, or agency of the state must be payable to the state and its form must be approved by the



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attorney general. A bond executed for a public work contract with another governmental entity must be payable to and its form must be approved by the awarding governmental entity.

(f) A bond required under this section must clearly and prominently display on the bond or on an attachment to the bond:

(1) the name, mailing address, physical address, and telephone number, including the area code, of the surety company to which any notice of claim should be sent; or

(2) the toll-free telephone number maintained by the Texas Department of Insurance under Subchapter B, Chapter 521, Insurance Code, and a statement that the address of the surety company to which any notice of claim should be sent may be obtained from the Texas Department of Insurance by calling the toll-free telephone number.

(g) A governmental entity may not require a contractor for any public building or other construction contract to obtain a surety bond from any specific insurance or surety company, agent, or broker.

(h) A reverse auction procedure may not be used to obtain services related to a public work contract for which a bond is required under this section. In this subsection, "reverse auction procedure" has the meaning assigned by Section 2155.062 or a procedure similar to that described by Section 2155.062.

Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993. Amended by Acts 1995, 74th Leg., ch. 76, Sec. 5.43(a), eff. Sept. 1, 1995; Acts 2001, 77th Leg., ch. 380, Sec. 1, eff. Sept. 1, 2001; Acts 2001, 77th Leg., ch. 614, Sec. 2, eff. Sept. 1, 2001; Acts 2003, 78th Leg., ch. 1275, Sec. 2(86), eff. Sept. 1, 2003.

Amended by:

Acts 2005, 79th Leg., Ch. 728 (H.B. 2018), Sec. 11.122, eff. September 1, 2005.

Acts 2009, 81st Leg., R.S., Ch. 1304 (H.B. 2515), Sec. 1, eff. September 1, 2009.



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Acts 2011, 82nd Leg., R.S., Ch. 1129 (H.B. 628), Sec. 1.01, eff. September 1, 2011.

Sec. 2253.022. PERFORMANCE AND PAYMENT BONDS; INSURED LOSS.

(a) A governmental entity shall ensure that an insurance company that is fulfilling its obligation under a contract of insurance by arranging for the replacement of a loss, rather than by making a cash payment directly to the governmental entity, furnishes or has furnished by a contractor, in accordance with this chapter:

(1) a performance bond as described by Section 2253.021(b) for the benefit of the governmental entity; and

(2) a payment bond as described in Section 2253.021(c) for the benefit of the beneficiaries described by that subsection.

(b) The bonds required to be furnished under Subsection (a) must be furnished before the contractor begins work.

(c) It is an implied obligation under a contract of insurance for the insurance company to furnish the bonds required by this section.

(d) To recover in a suit with respect to which the insurance company has furnished or caused to be furnished a payment bond, the only notice required of a payment bond beneficiary is the notice given to the surety in accordance with Subchapter C.

(e) This section does not apply to a governmental entity when a surety company is complying with an obligation under a bond that had been issued for the benefit of the governmental entity.

(f) If the payment bond required by Subsection (a) is not furnished, the governmental entity is subject to the same liability that a surety would have if the surety had issued the payment bond and the governmental entity had required the bond to be provided. To recover in a suit under this subsection, the only notice required of a payment bond beneficiary is a notice given to the governmental entity, as if the governmental entity were the surety, in accordance with Subchapter C. Added by Acts

1997, 75th Leg., ch. 1132, Sec. 3, eff. Sept. 1, 1997.



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Sec. 2253.023. ATTEMPTED COMPLIANCE. (a) A bond furnished by a prime contractor in an attempt to comply with this chapter shall be construed to comply with this chapter regarding the rights created, limitations on those rights, and remedies provided.

(b) A provision in a bond furnished by a prime contractor in an attempt to comply with this chapter that expands or restricts a right or liability under this chapter shall be disregarded, and this chapter shall apply to that bond.

Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993.

Sec. 2253.024. INFORMATION FROM CONTRACTOR OR SUBCONTRACTOR.

(a) A prime contractor, on the written request of a person who provides public work labor or material and when required by Subsection (c), shall provide to the person:

(1) the name and last known address of the governmental entity with whom the prime contractor contracted for the public work;

(2) a copy of the payment and performance bonds for the public work, including bonds furnished by or to the prime contractor; and

(3) the name of the surety issuing the payment bond and the performance bond and the toll-free telephone number maintained by the Texas Department of Insurance under Subchapter B, Chapter 521, Insurance Code, for obtaining information concerning licensed insurance companies.

(b) A subcontractor, on the written request of a governmental entity, the prime contractor, a surety on a bond that covers the public work contract, or a person providing work under the subcontract and when required by Subsection (c), shall provide to the person requesting the information:

(1) the name and last known address of each person from whom the subcontractor purchased public work labor or material, other than public work material from the



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subcontractor's inventory;

(2) the name and last known address of each person to whom the subcontractor provided public work labor or material;

(3) a statement of whether the subcontractor furnished a bond for the benefit of its subcontractors and materialmen;

(4) the name and last known address of the surety on the bond the subcontractor furnished; and

(5) a copy of that bond.

(c) Information requested shall be provided within a reasonable time but not later than the 10th day after the receipt of the written request for the information.

(d) A person from whom information is requested may require payment of the actual cost, not to exceed \$25, for providing the requested information if the person does not have a direct contractual relationship with the person requesting information that relates to the public work.

(e) A person who fails to provide information required by this section is liable to the requesting person for that person's reasonable and necessary costs incurred in getting the requested information.

Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993. Amended by Acts 2001, 77th Leg., ch. 380, Sec. 2, eff. Sept. 1, 2001.

Amended by:

Acts 2005, 79th Leg., Ch. 728 (H.B. 2018), Sec. 11.123, eff. September 1, 2005.

Sec. 2253.025. INFORMATION FROM PAYMENT BOND BENEFICIARY.

(a) A payment bond beneficiary, not later than the 30th day after the date the beneficiary receives a written request from the prime contractor or a surety on a bond on which a claim is made, shall provide to the contractor or surety:

(1) a copy of any applicable written agreement or purchase order; and



**Invitation for Bids for Construction of the Belden Trail for the
City of Brownsville**

BID # CBT-12-0219

February 19, 2019 at 3:00 P.M.

(2) any statement or payment request of the beneficiary that shows the amount claimed and the work performed by the beneficiary for which the claim is made.

(b) If requested, the payment bond beneficiary shall provide the estimated amount due for each calendar month in which the beneficiary performed public work labor or provided public work material.

Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993.

Sec. 2253.026. COPY OF PAYMENT BOND AND CONTRACT. (a) A governmental entity shall furnish the information required by Subsection (d) to any person who applies for the information and who submits an affidavit that the person:

(1) has supplied public work labor or material for which the person has not been paid;

(2) has contracted for specially fabricated material for which the person has not been paid; or

(3) is being sued on a payment bond.

(b) The copy of the payment bond or public work contract is prima facie evidence of the content, execution, and delivery of the original.

(c) An applicant under this section shall pay any reasonable fee set by the governmental entity for the actual cost of preparation of the copies.

(d) A governmental entity shall furnish the following information to a person who makes a request under Subsection (a):

(1) a certified copy of a payment bond and any attachment to the bond;

(2) the public work contract for which the bond was given; and

(3) the toll-free telephone number maintained by the Texas Department of Insurance under Subchapter B, Chapter 521, Insurance Code, for obtaining information concerning licensed insurance companies.



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Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993. Amended by Acts 2001, 77th Leg., ch. 380, Sec. 3, eff. Sept. 1, 2001.

Amended by:

Acts 2005, 79th Leg., Ch. 728 (H.B. 2018), Sec. 11.124, eff. September 1, 2005.

Sec. 2253.027. LIABILITY OF GOVERNMENTAL ENTITY. (a) If a governmental entity fails to obtain from a prime contractor a payment bond as required by Section 2253.021:

(1) the entity is subject to the same liability that a surety would have if the surety had issued a payment bond and if the entity had obtained the bond; and

(2) a payment bond beneficiary is entitled to a lien on money due to the prime contractor in the same manner and to the same extent as if the public work contract were subject to Subchapter J, Chapter 53, Property Code.

(b) To recover in a suit under Subsection (a), the only notice a payment bond beneficiary is required to provide to the governmental entity is a notice provided in the same manner as described by Subchapter C. The notice must be provided as if the governmental entity were a surety.

Added by Acts 1993, 73rd Leg., ch. 268, Sec. 1, eff. Sept. 1, 1993. Amended by Acts 2003, 78th Leg., ch. 515, Sec. 1, eff. Sept. 1, 2003.



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TEXAS OPEN RECORDS ACT AND CONFIDENTIALITY

All materials submitted to the City of Brownsville pursuant to this Invitation for Bid/Request for Proposals/Statement of Qualifications become subject to the mandates of the Texas Open Records Act, Government Code, Chapter 552, Subchapter A, §§552.009; Subchapter D, §§552.205; and Subchapter F, §§552.261 through 552.274. The purpose of this Act is to ensure and facilitate the public's right of access to and review of government records so they may efficiently and intelligently exercise their inherent political power. Almost all "records," as that term is defined in the Act, may be disclosed to the public upon request. Except where specific state or federal statutes create a confidential privilege, persons who submit information to public bodies have no right to keep this information from public access or reasonable expectation that this information will be kept from public access.

If you believe that any of the information you have submitted to the City pursuant to this Request for Proposals is **confidential** under a specific state or federal statute and therefore not subject to the public access, *you must comply with the following:*

- A. Place said documents/records in a separate envelope marked **"Confidential"** **DO NOT** label your entire response to the Request for Proposals as "Confidential" – label only those portions of the response that you feel are made confidential by state or federal law as "Confidential." If only a portion of a document is confidential, please identify specifically the portions of the document you are claiming are confidential. Under the State of Texas Open Records Act, the City is obligated to produce documents for public inspection even if the documents contain a portion which is confidential, but can redact the confidential parts.
- B. For each such document for which you are claiming a confidential privilege, identify the federal and/or state law that creates said privilege, e.g., for trade secrets.

Should an Open Records request be presented to the City requesting information you have identified as "Confidential," you will be responsible for defending your position in the Court where the proceeding is filed, if needed.

If you fail to identify any records submitted as part of your Proposal as "Confidential" by placing them in the "Confidential" envelope AND you fail to identify the specific state or federal law creating said privilege, you are irrefutably agreeing that said records are not confidential and are subject to public access.



Invitation for Bids for Construction of the Belden Trail for the
City of Brownsville

BID # CBT-12-0219

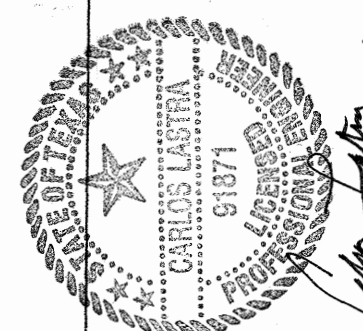
February 19, 2019 at 3:00 P.M.

CERTIFICATION OF COMPLIANCE WITH TEXAS FAMILY CODE PROVISION

As per Section 14.52 of the Texas Family Code, added by S.B. 84, Acts, 73rd Legislature, R.S. (1993), all bidders must complete and submit with the bid the following affidavit: I, the undersigned vendor, do hereby acknowledge that NO sole proprietor, partner, majority shareholder of a corporation, or an owner of 10% or more of another business entity is 30 days or more delinquent in paying child support under a court order or a written repayment agreement. I understand that under this provision, a sole proprietorship, partnership, corporation or other entity in which a sole proprietor, partner, majority shareholder or a corporation, or an owner of 10% or more of another entity is 30 days or more delinquent in paying child support under a court order or a written repayment agreement is NOT eligible to bid or receive a state contract.

CERTIFICATION OF COMPLIANCE WITH HOUSE BILL 89

Vendor certifies that is in compliance with all applicable provisions of the House Bill 89. Purchases made in accordance under the provisions of Subtitle F, Title 10, Government Code Chapter 2270 must comply with the following: 1. Does not boycott Israel currently; and 2. Will not boycott Israel during the term of the contract the above-named Company, business or individual with Northside Independent School District.



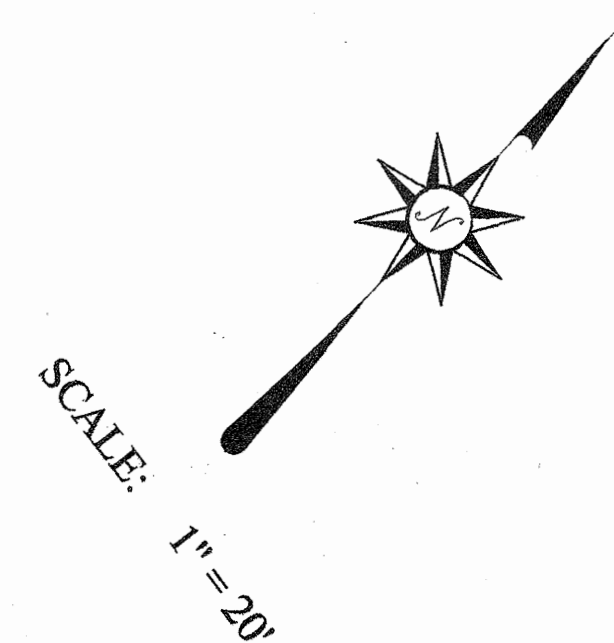
BELDEN TRAIL
PHASE III

CONSTRUCTION PLANS

JOB NO. : 2018/00
DATE: 11/30/2018
DESIGN BY : D.L.
DRAWN BY : D.C.
CHECKED BY : ENG. DEPT.
APPROVED BY : C.L.

SHEET
1
OF 6

MATCHLINE



LEGEND

PROPOSED 10' & 4' CONC. SIDEWALK
SEE SH. #4 DET.1

T/SW=XX.XX
PROPOSED TOP OF SIDEWALK ELEVATION

EXISTING GROUND ELEVATION

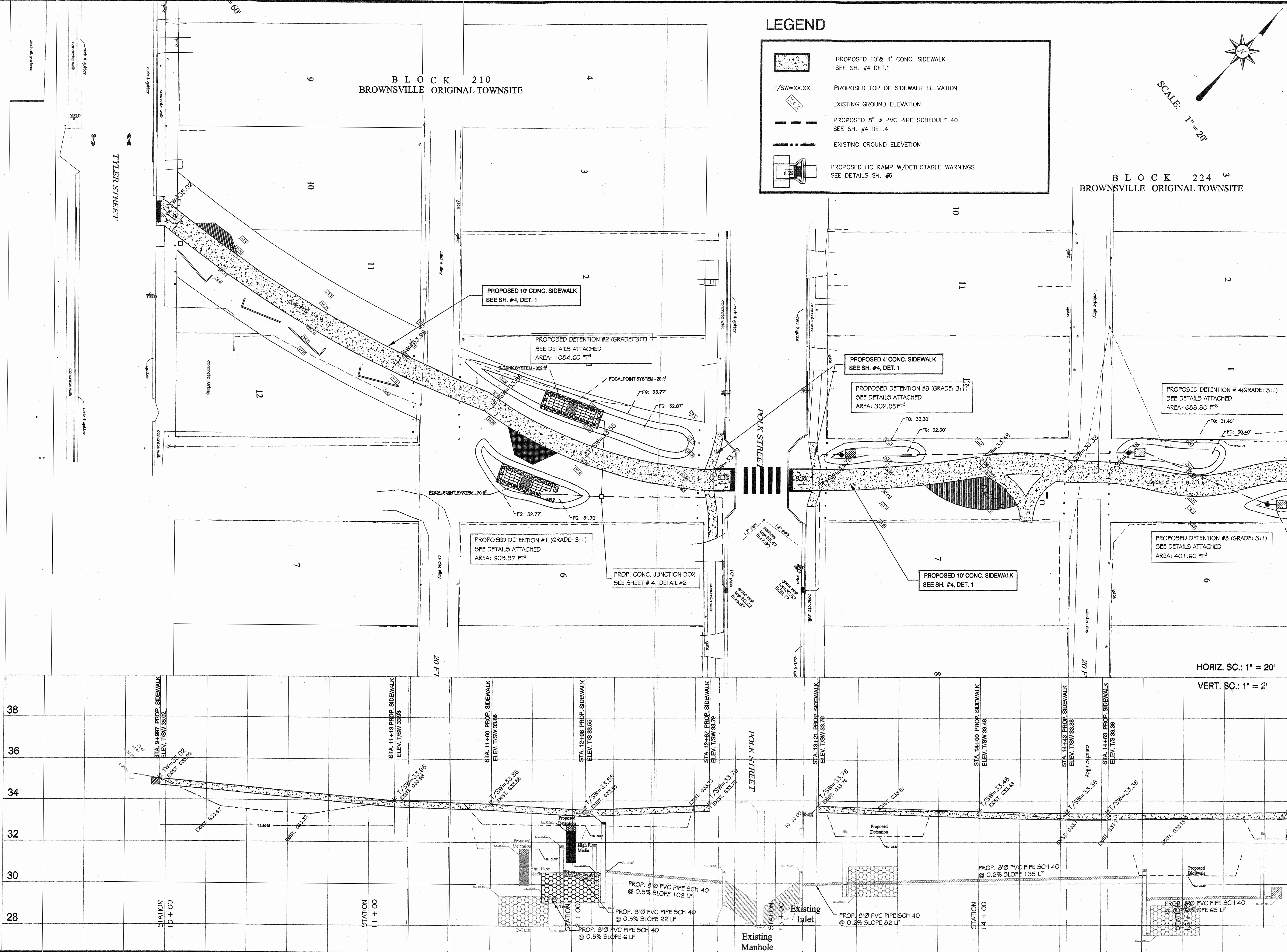
PROPOSED 8" Ø PVC PIPE SCHEDULE 40
SEE SH. #4 DET.4

EXISTING GROUND ELEVATION

PROPOSED HC RAMP W/DETECTABLE WARNINGS
SEE DETAILS SH. #6

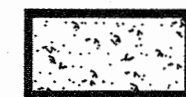
BLOCK 210
BROWNSVILLE ORIGINAL TOWNSITE

BLOCK 224
BROWNSVILLE ORIGINAL TOWNSITE



MATCHLINE

LEGEND



PROPOSED 10' & 4' CONC. SIDEWALK
SEE SH. #4 DET.1

T/SW=XX.XX

PROPOSED TOP OF SIDEWALK ELEVATION



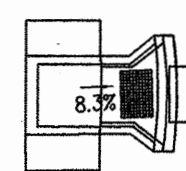
EXISTING GROUND ELEVATION



PROPOSED 8" Ø PVC PIPE SCHEDULE 40
SEE SH. #4 DET.4



EXISTING GROUND ELEVATION



PROPOSED HC RAMP W/DETECTABLE WARNINGS
SEE DETAILS SH. #6

B L O C K 245
BROWNSVILLE ORIGINAL TOWNSITE

B L O C K 62
PAREDES TRACT PARTITION

SCALE: 1"=20'



MATCHLINE

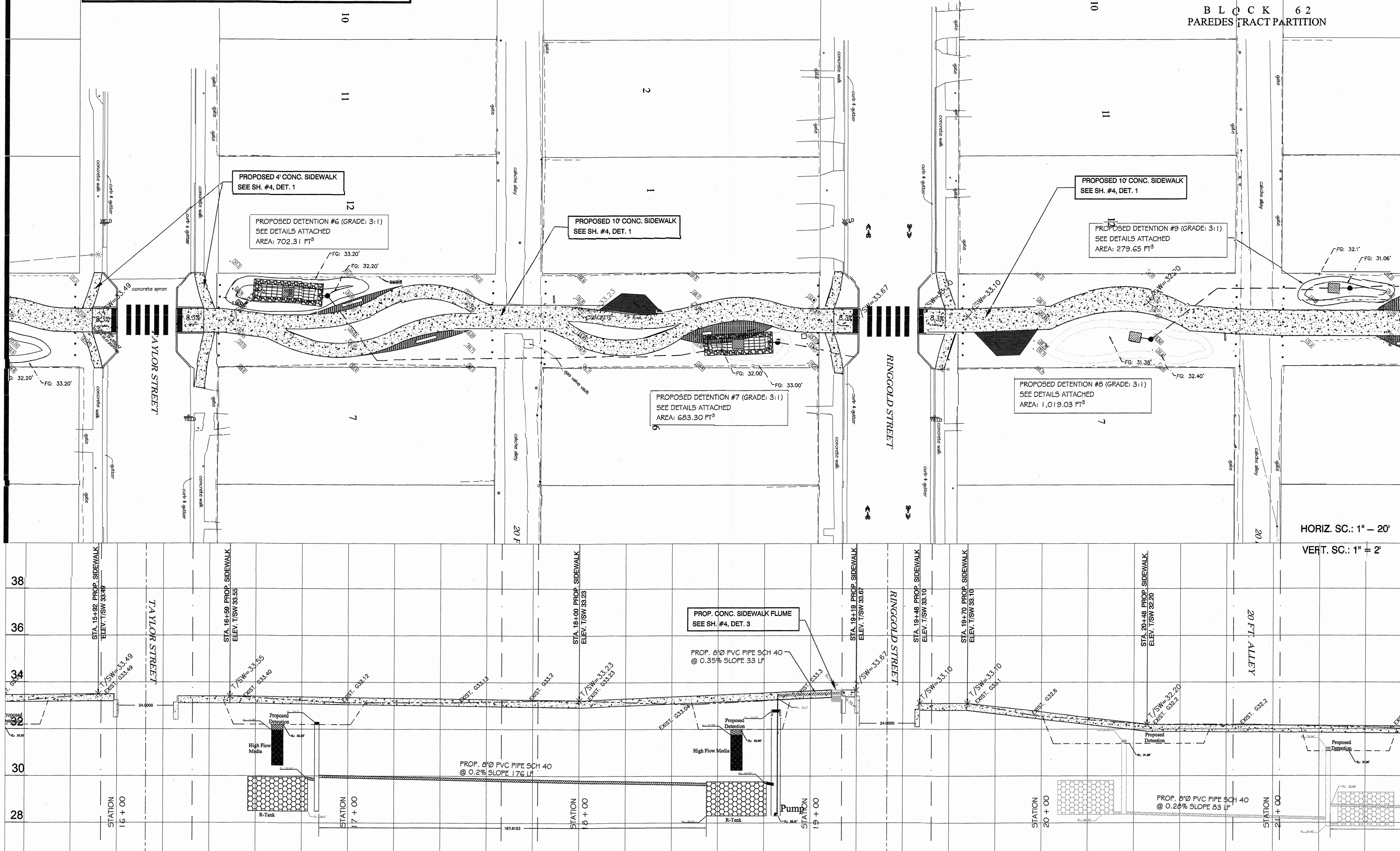
BELDEN TRAIL PHASE III

CONSTRUCTION PLANS

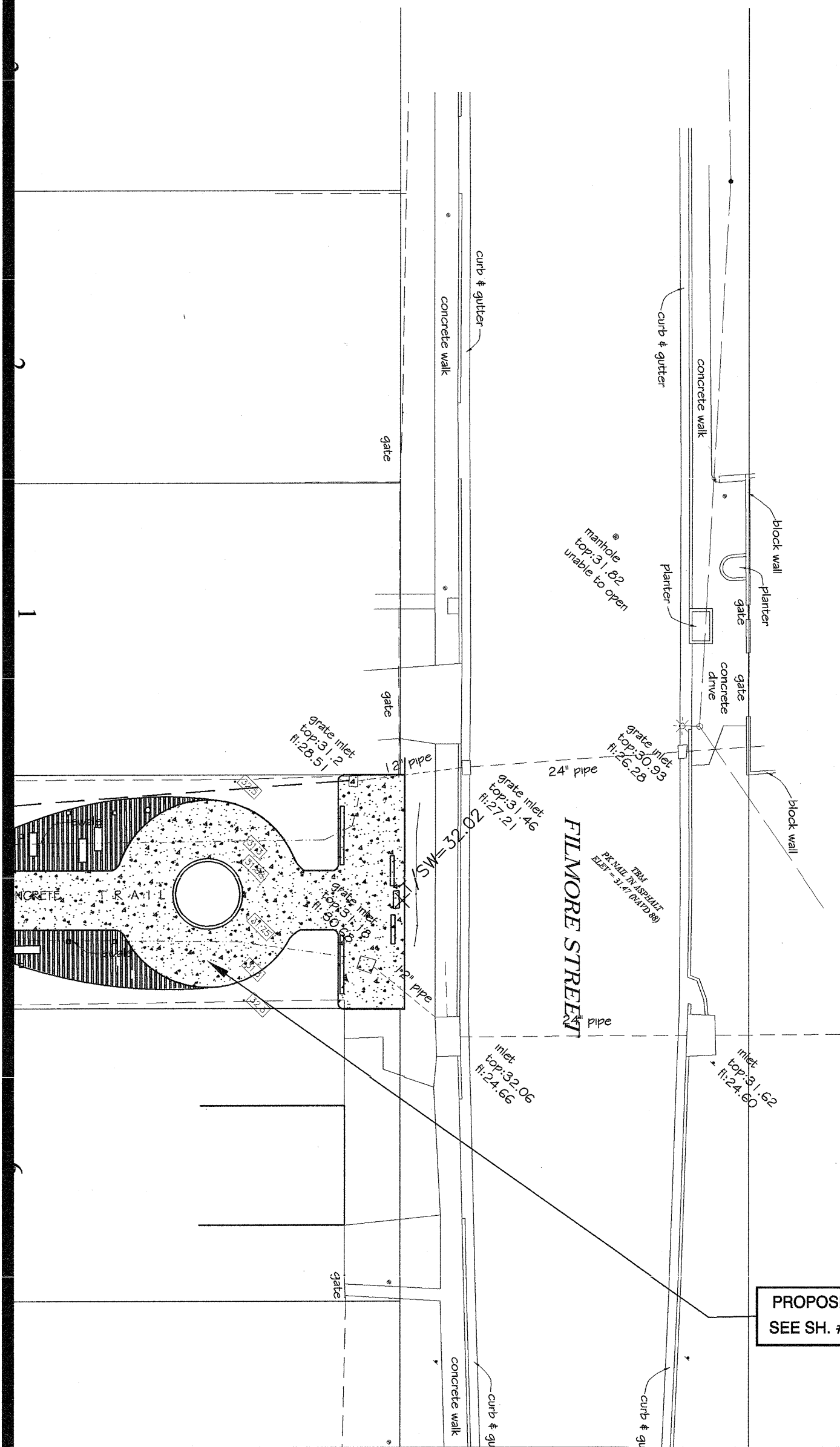
JOB NO. : 2018/00
DATE: 11/30/2018
DESIGN BY : D.L.
DRAWN BY : D.C.
CHECKED BY : ENG. DEPT.
APPROVED BY : C.L.

SHEET

2
OF 6



MATCHLINE



PROPOSED 10' CONC. SIDEWALK
SEE SH. #4, DET. 1

Proposed

LEGEND



PROPOSED 10' & 4' CONC. SIDEWALK
SEE SH. #4 DET.1

T/SW=XX.XX

PROPOSED TOP OF SIDEWALK ELEVATION



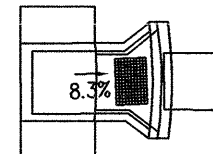
EXISTING GROUND ELEVATION



PROPOSED 8" Ø PVC PIPE SCHEDULE 40
SEE SH. #4 DET.4



EXISTING GROUND ELEVATION



PROPOSED HC RAMP W/DETECTABLE WARNINGS
SEE DETAILS SH. #6

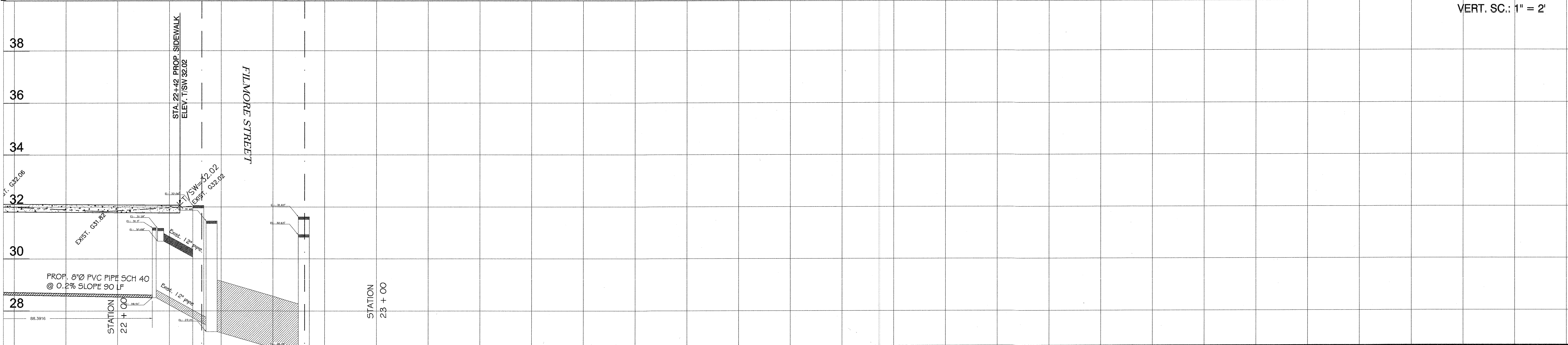
BELDEN TRAIL PHASE III
(From TYLER STREET to FILMORE STREET)

CONSTRUCTION ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	EST. QTY	UNIT
1	REMOVE & REPLACE CURB & GUTTER AS NEEDED	150	LF
2	PROPOSED CURB FOR STREET BUMP-OUTS	400	LF
3	PROPOSED 10' CONC. SIDEWALK	12,400	SF
4	PROPOSED 4' CONCRETE SIDEWALK	800	SF
5	PROPOSED CONCRETE SIDEWALK FLUME	1	UN
6	PROPOSED CONCRETE JUNCTION BOX	1	UN
7	PROP. 8" Ø PVC SCHEDULE 40	900	LF
8	PROP. HC RAMPS W/DETECTABLE WARNINGS	7	EA
9	1/2 HP SUMP PUMP	1	EA
10	R - TANK SYSTEM	9	EA
11	FOCAL POINT SYSTEM APROX.	9	EA

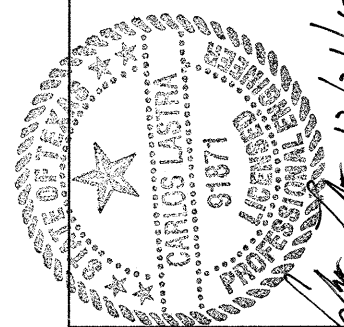
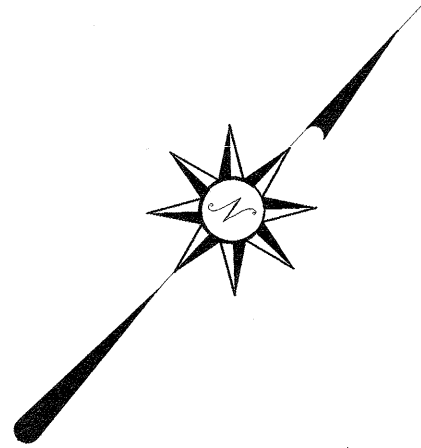
THE QUANTITIES ARE APPROXIMATE
NEED TO BE VERIFIED BY CONTRACTOR

HORIZ. SC.: 1" = 20'

VERT. SC.: 1" = 2'



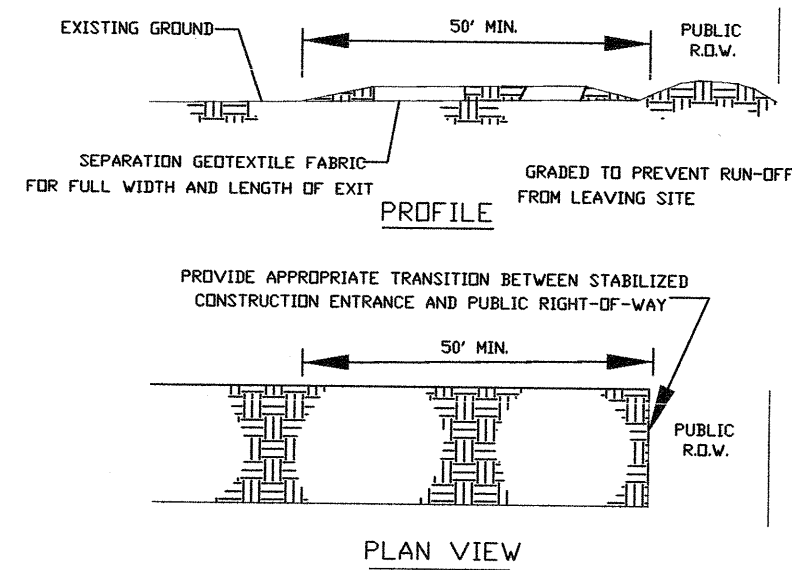
SCALE: 1" = 20'



BELDEN TRAIL
PHASE III

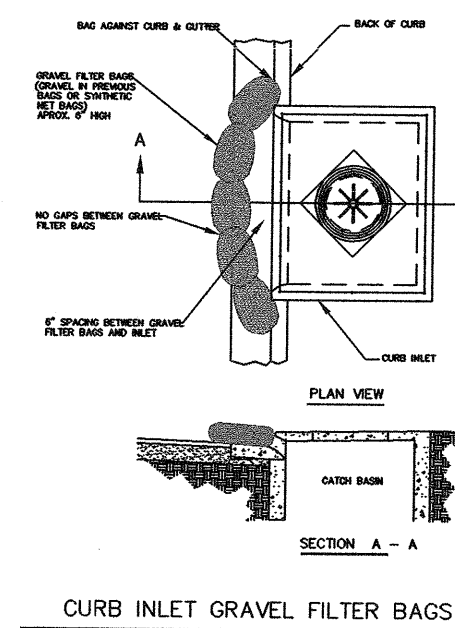
CONSTRUCTION PLANS

JOB NO. : 2018/00
DATE: 11/30/2018
DESIGN BY : D.L.
DRAWN BY : D.C.
CHECKED BY : ENG. DEPT.
APPROVED BY : C.L.

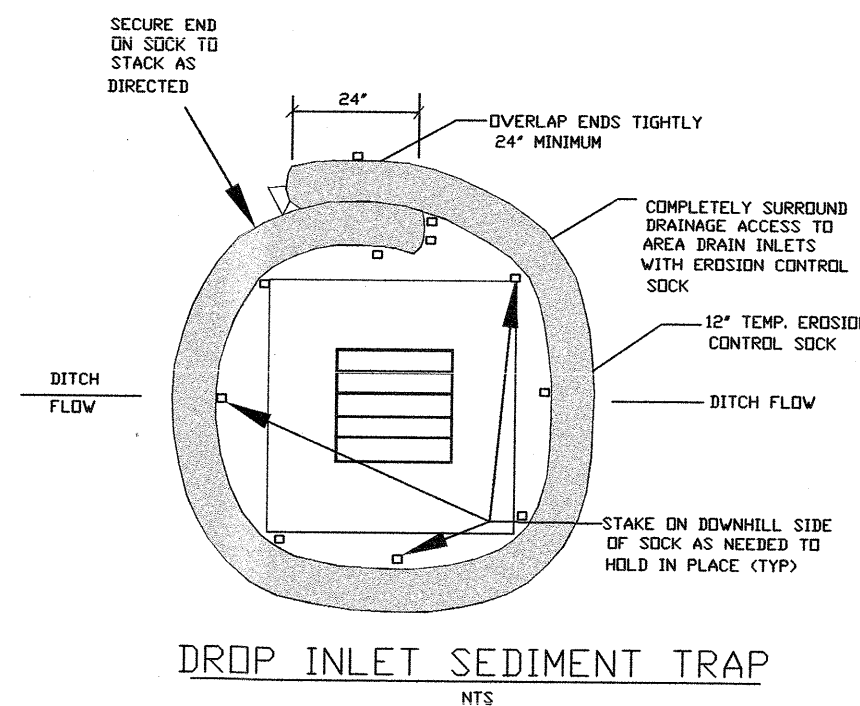


- CONSTRUCTION NOTES:**
1. LENGTH SHALL BE AS SHOWN IN THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
 2. THICKNESS SHALL BE LESS THAN 8 INCHES.
 3. WIDTH SHALL BE LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
 4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
 5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA.
 6. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
 7. STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

STABILIZED CONSTRUCTION EXIT
NTS



CURB INLET GRAVEL FILTER BAGS
NTS



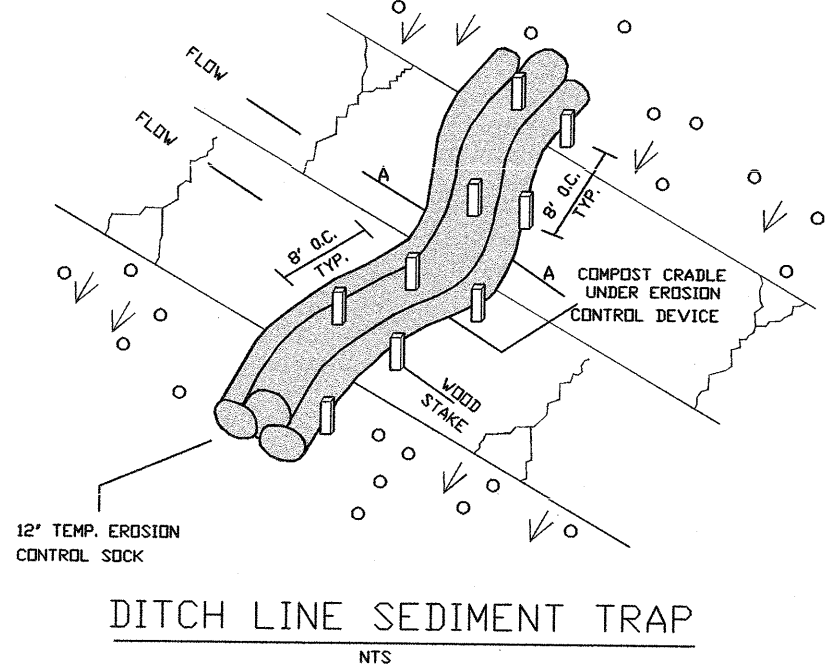
DROP INLET SEDIMENT TRAP
NTS

SEDIMENT BASIN AND TRAP USAGE GUIDELINES

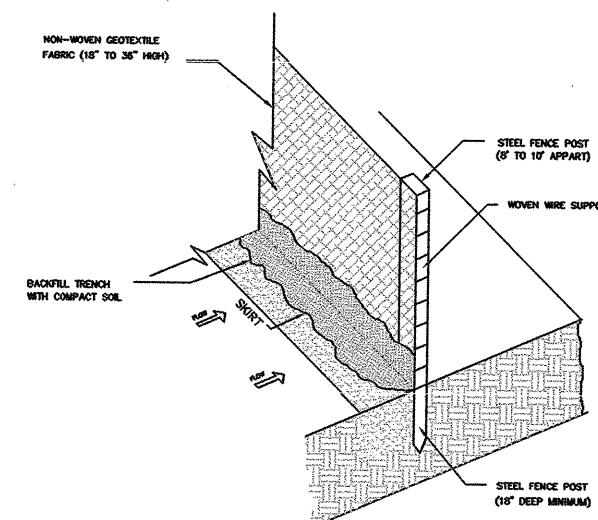
- A SEDIMENT TRAP MAY BE USED TO PRECIPITATE SEDIMENT OUT OF RUNOFF DRAINING FROM AN UNSTABILIZED AREA. TRAPS THE SEDIMENT AREA FOR A SEDIMENT TRAP SHOULD NOT EXCEED 5 ACRES. THE TRAP CAPACITY SHOULD BE 1000 CF / ACRE (0.5" OVER THE DRAINAGE AREA).
- SEDIMENT TRAPS SHOULD BE PLACED IN THE FOLLOWING LOCATIONS:
1. IMMEDIATELY PRECEDING DRAIN INLETS
 2. JUST BEFORE THE DRAINAGE ENTERS A WATER COURSE
 3. JUST BEFORE THE DRAINAGE LEAVES THE RIGHT OF WAY
 4. JUST BEFORE THE DRAINAGE LEAVES THE CONSTRUCTION LIMITS WHERE DRAINAGE FLOWS AWAY FROM THE PROJECT
- THE TRAP SHOULD BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 1/2 OR THE SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1', WHICHEVER IS LESS.
- CLEANING AND REMOVAL OF ACCUMULATED SEDIMENT DEPOSITS IS INCIDENTAL AND WILL NOT BE PAID FOR SEPARATELY.

GENERAL NOTES

1. LENGTHS OF EROSION CONTROL SOCKS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED. MAXIMUM LENGTH OF SOCKS SHALL BE 30' FOR 12" DIAMETER SOCKS.
2. UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE SOCK WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
3. STUFF SOCKS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION.
4. STAKES SHALL BE 2" X 2" WOOD, 4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE SOCK.
5. COMPOST CRABLE MATERIAL IS INCIDENTAL AND WILL NOT BE PAID FOR SEPARATELY.



DITCH LINE SEDIMENT TRAP
NTS



SILT FENCE NOTES:

1. WHERE JOINTS IN THE FABRIC ARE REQUIRED, THE FILTER CLOTH SHOULD BE SPUN TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP AND SHALL BE SECURELY SEALED.
2. INSPECT FILTER FENCES DAILY DURING PERIODS OF PROLONGED RAINFALL. IMMEDIATELY AFTER EACH RAINFALL, MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
3. ALL INLETS SHALL BE ENCLOSED WITH SILT FENCE AT A MAXIMUM DISTANCE OF 5' FROM INLET STRUCTURE.

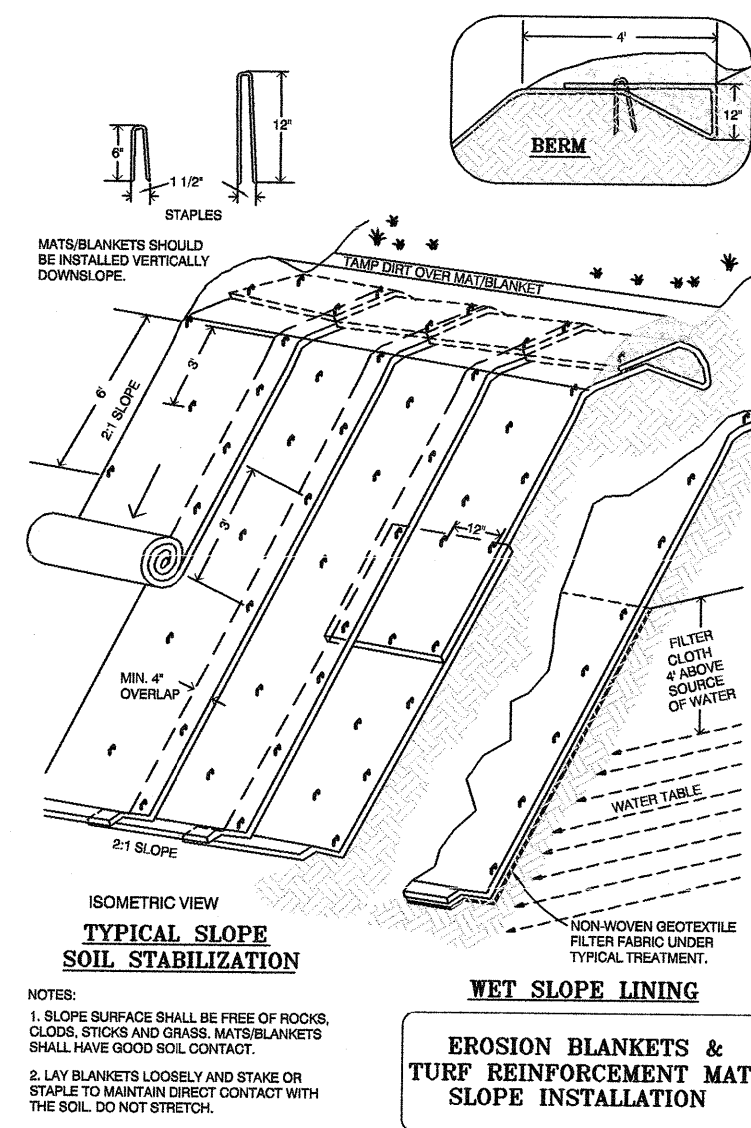
SILT FENCE DETAIL
NTS

TEMPORARY STABILIZATION

ANY AREA LEFT DISTURBED FOR MORE THAN 21 DAYS SHALL BE TEMPORARILY REVEGETATED WITH SEED AT THE DIRECTION OF THE ENGINEER.

PERMANENT STABILIZATION

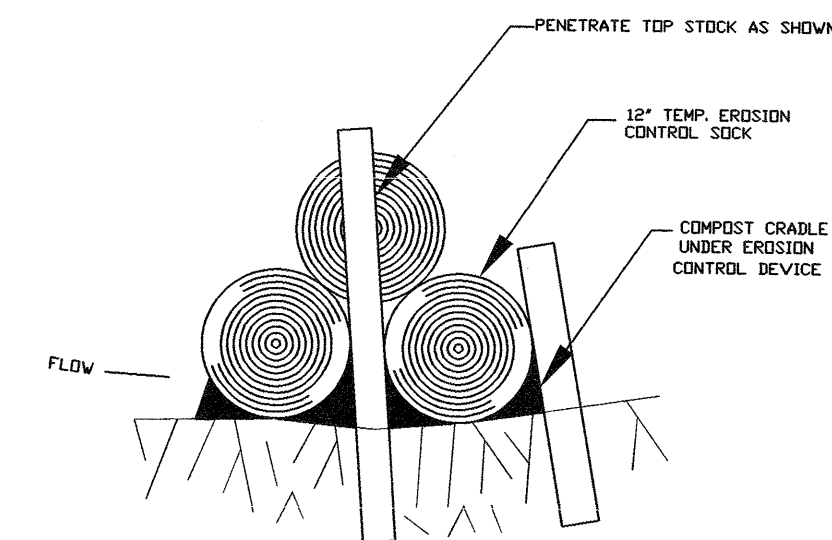
AFTER LOT GRADING IS COMPLETED, ALL LOTS SHALL BE SEED TO PROVIDE VEGETATION GRASS.



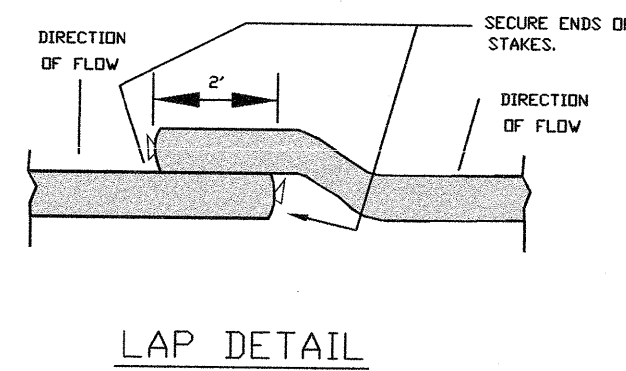
TYPICAL SLOPE SOIL STABILIZATION

NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOSURE STOPS AND OTHER MATERIALS THAT SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL DO NOT STRETCH.

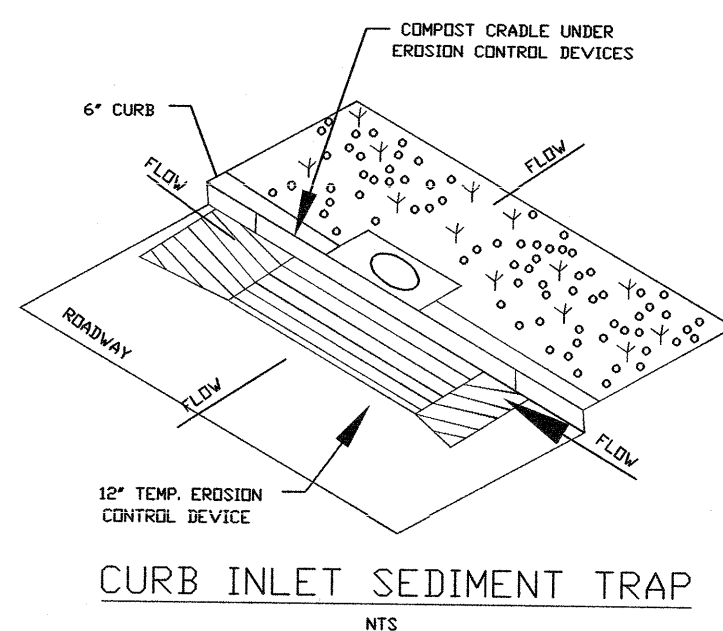
**WET SLOPE LINING
EROSION BLANKETS & TURF REINFORCEMENT MATS
SLOPE INSTALLATION**



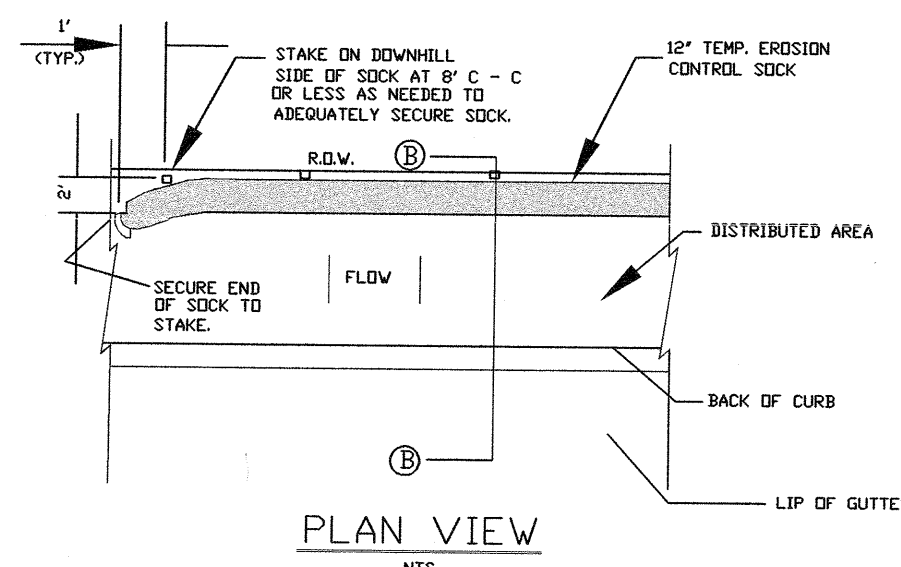
DITCH LINE SEDIMENT TRAP A-A
NTS



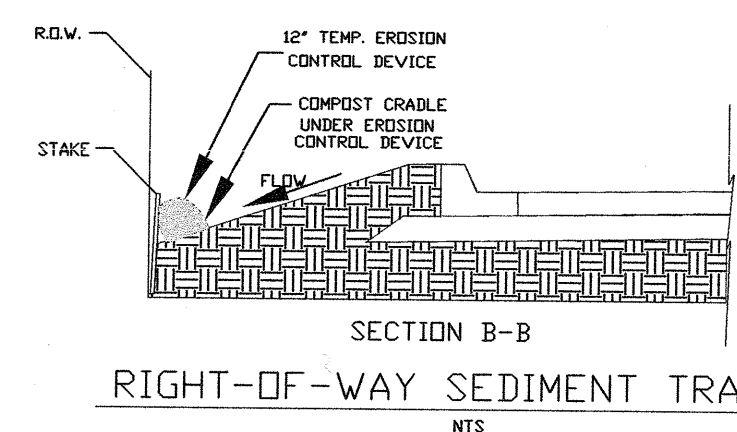
LAP DETAIL



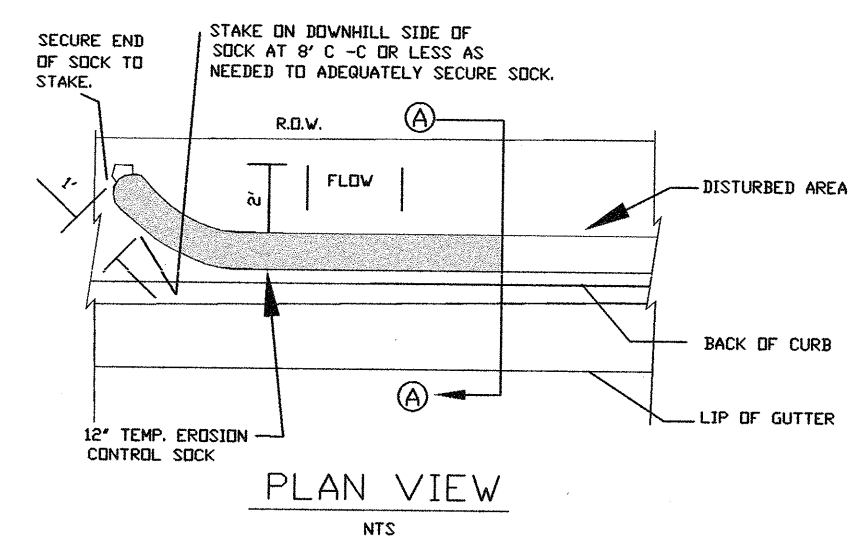
CURB INLET SEDIMENT TRAP
NTS



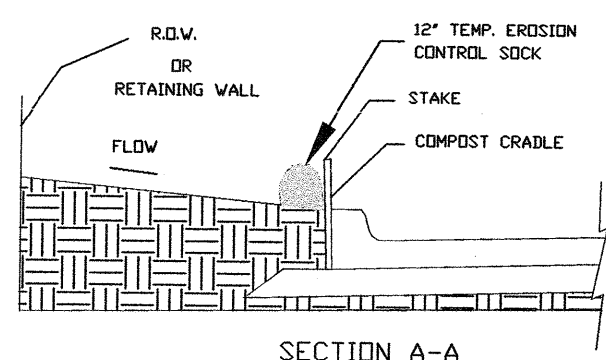
PLAN VIEW
NTS



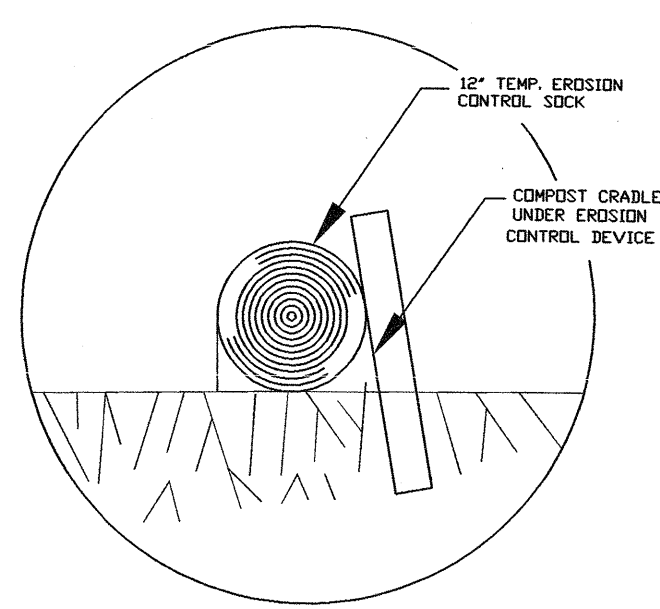
**SECTION B-B
RIGHT-OF-WAY SEDIMENT TRAP**
NTS



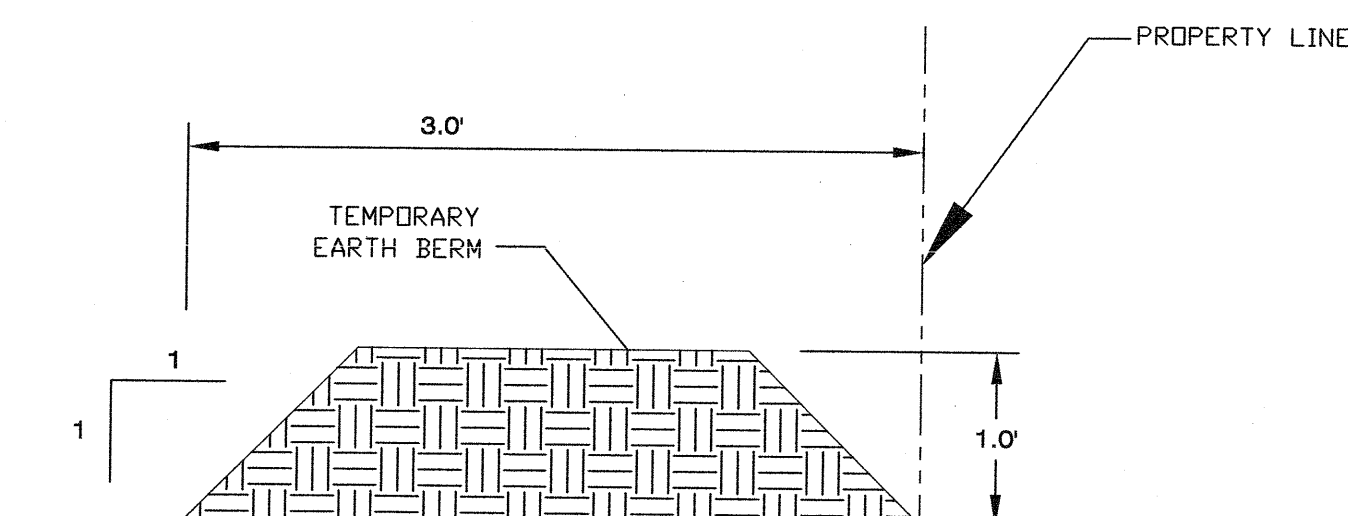
PLAN VIEW
NTS



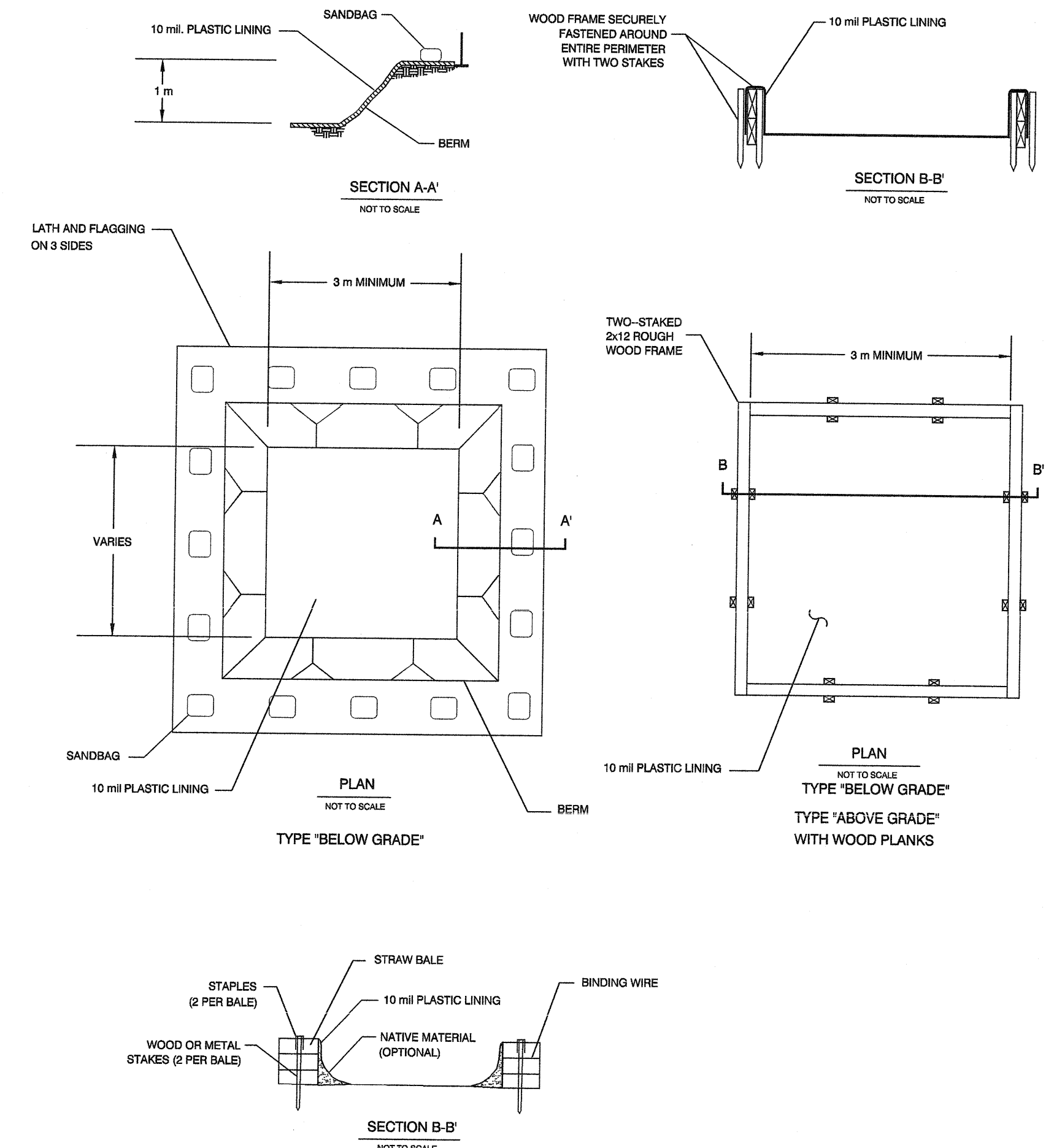
**SECTION A-A
BACK OF CURB INLET SEDIMENT TRAP**
NTS



COMPOST CRADLE
NTS



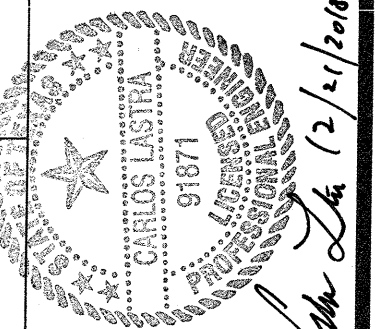
TEMPORARY EARTH BERM



NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

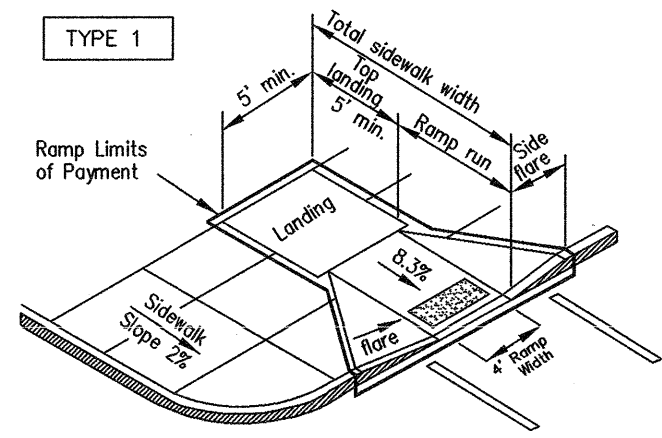
CONCRETE WASTE MANAGEMENT
NTS



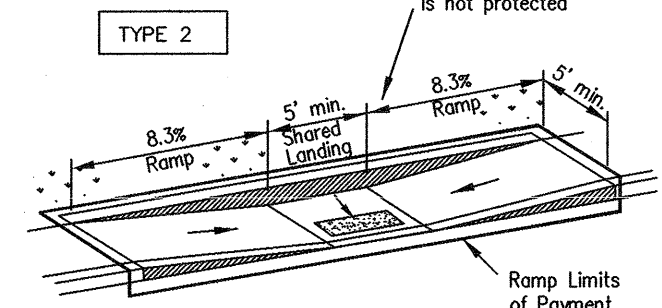
**BELDEN TRAIL
PHASE III**

**STORM WATER POLLUTION
PREVENTION PLAN**

JOB NO.: 2018/00
DATE: 11/30/2018
DESIGN BY: D.L.
DRAWN BY: D.C.
CHECKED BY: ENG. DEPT.
APPROVED BY: C.L.

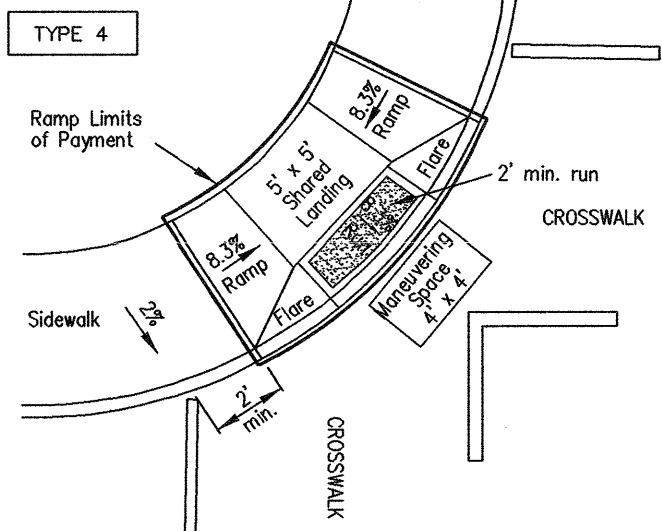


PERPENDICULAR CURB RAMP

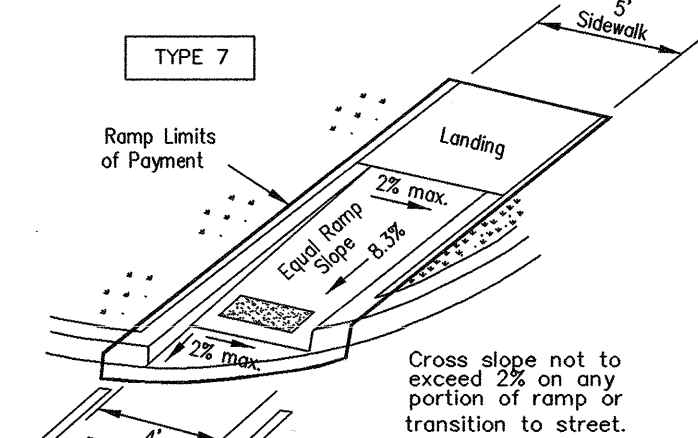


PARALLEL CURB RAMP

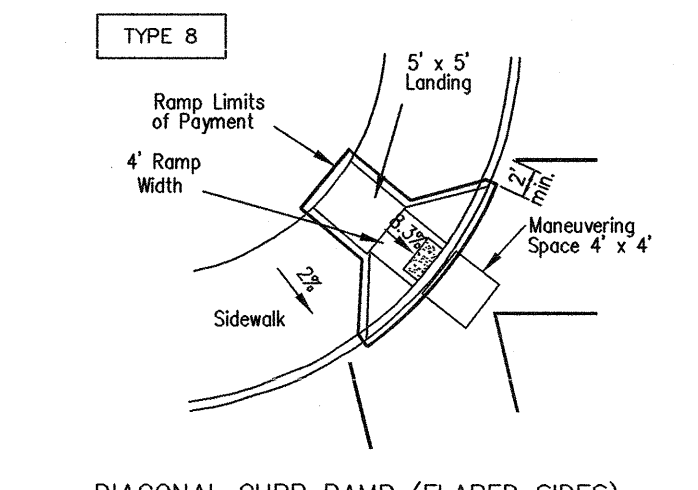
(Use only where water will not pond in the landing.)



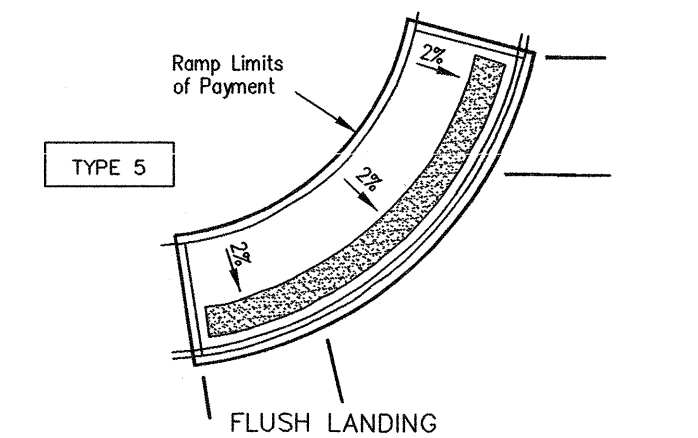
DIAGONAL COMBINATION CURB RAMP
Perpendicular to the tangent of the Curb Radius and Contained in Crosswalk



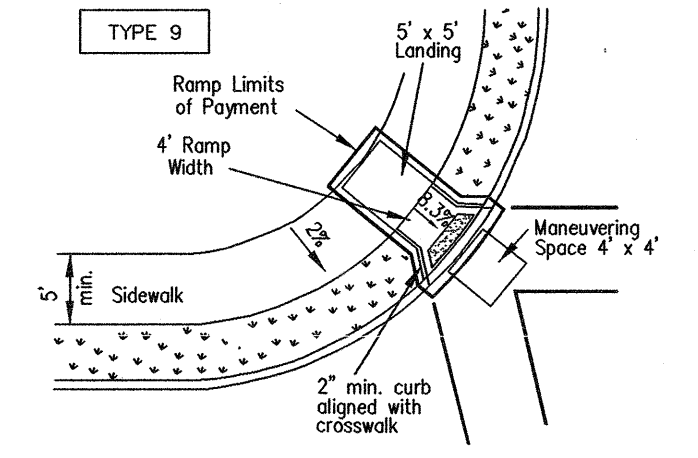
DIRECTIONAL RAMP WITHIN RADIUS
(Sidewalk set back from curb)



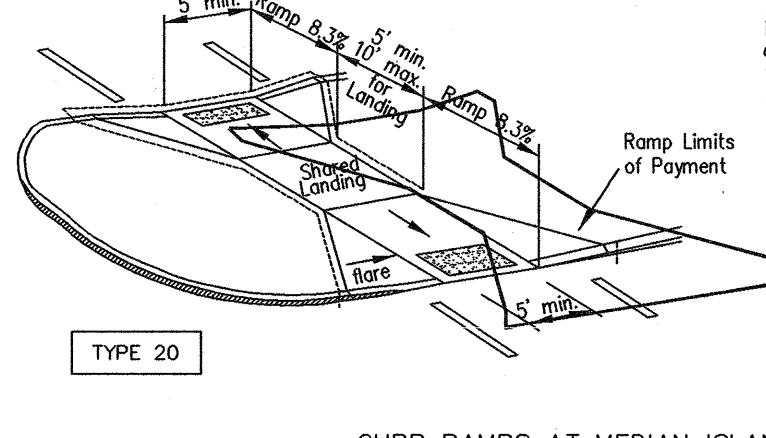
DIAGONAL CURB RAMP (FLARED SIDES)



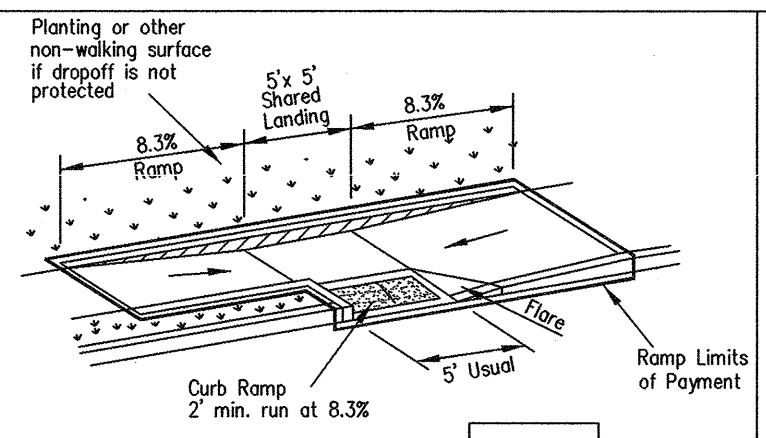
FLUSH LANDING



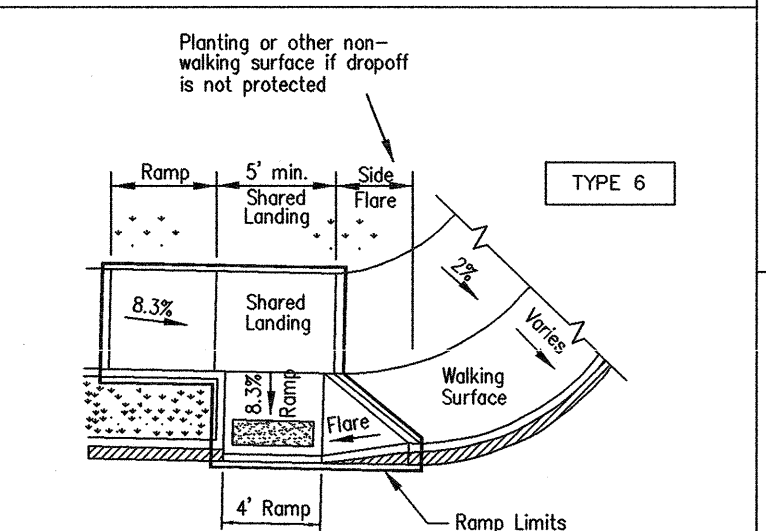
DIAGONAL CURB RAMP (RETURNED CURB)



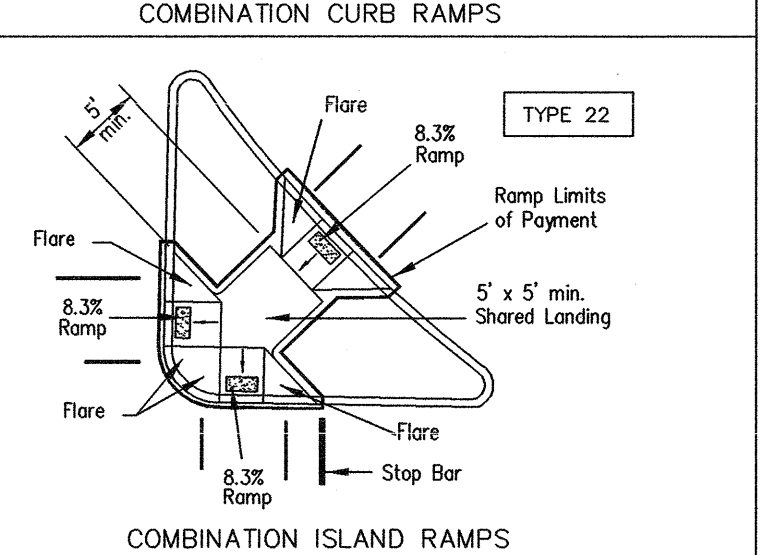
CURB RAMPs AT MEDIAN ISLANDS



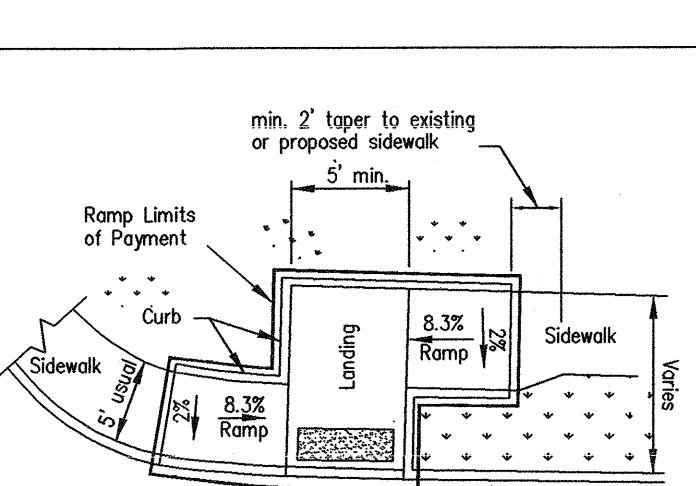
COMBINATION CURB RAMPs



COMBINATION ISLAND RAMPs



DIRECTIONAL RAMP WITHIN RADIUS
(Sidewalk adjacent to curb)

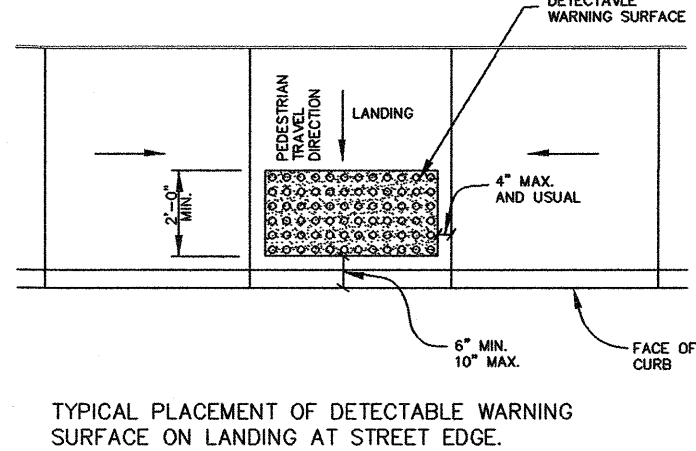


OFFSET PARALLEL CURB RAMP

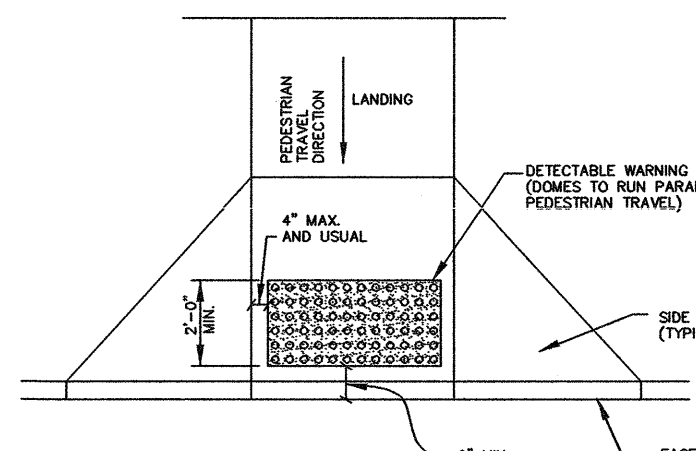
NOTES:
See General Notes on sheet 2 of 4 for more information.
-- Denotes planting or non-walking surface.

PEDESTRIAN FACILITIES GENERAL NOTES

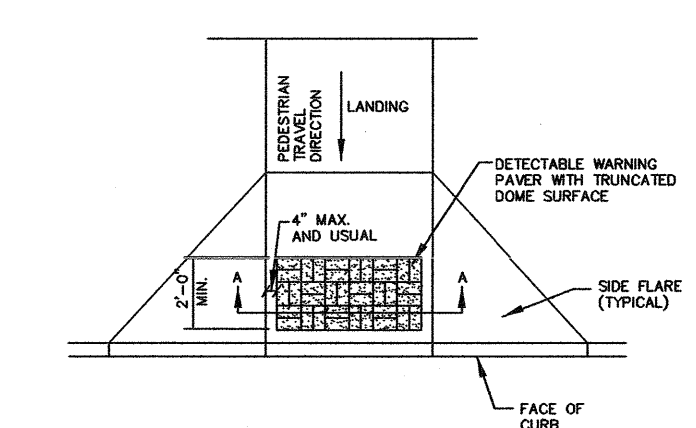
1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL SUIT DRAIN PROPERTY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
2. THE MINIMUM SIDEWALK WIDTH IS 5'. WHERE THE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 6' SIDEWALK WIDTH IS ENCOURAGED. WHERE A 5' SIDEWALK CAN NOT BE PROVIDED DUE TO SITE CONSTRAINTS, A MINIMUM 5' SIDEWALK WITH 5' x 5' PASSING AREAS AT INTERVALS NOT TO EXCEED 200' IS REQUIRED.
3. LANDINGS SHALL BE 5' x 5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
4. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPs SHALL BE A MINIMUM OF 4' x 4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
5. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
6. CURB RAMPs WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, EITHER BECAUSE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR BECAUSE THE SIDE APPROACH IS SUBSTANTIALLY ABSTRACTED. OTHERWISE, PROVIDED FLARED SIDES.
7. ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND 16 TAC 68.102.
8. TO SERVE AS A PEDESTRIAN REFUGE AREA, THE MEDIAN SHOULD BE A MINIMUM OF 5' WIDE. MEDIANS SHOULD BE DESIGNED TO PROVIDE ACCESSIBLE PASSAGE OVER OR THROUGH THEM.
9. SMALL CHANNELIZATION ISLANDS, WHICH DO NOT PROVIDE A MINIMUM 5' x 5' LANDING AT THE TOP OF CURB RAMPs, SHALL BE CUT THROUGH LEVEL WITH THE SURFACE OF THE STREET.
10. CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED, CURB RAMPs SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE ENGINEER.
11. EXISTING FEATURES THAT COMPLY WITH TAS MAY REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS.
12. HANDRAILS ARE NOT REQUIRED ON CURB RAMPs. PROVIDE CURB RAMPs WHEREVER AN ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
13. CURB RAMPs AND LANDINGS SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH ITEM 531 "SIDEWALKS".
14. SEPERATE CURB RAMP AND LANDINGS FROM ADJACENT SIDEWALK AND ANY OTHER ELEMENTS WITH PREMOULD OR BOARD JOINT OF 3/4" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
15. PROVIDE A SMOOTH TRANSITION WHERE THE CURB RAMPs CONNECT TO THE STREET.
16. CURBS SHOWN ON SHEET 1 WITHIN THE LIMITS OF PAYMENT ARE CONSIDERED PART OF THE CURB RAMP FOR PAYMENT, WHETHER IT IS CONCRETE CURB, GUTTER, OR COMBINED CURB AND GUTTER.
17. FLARE SLOPE SHALL NOT EXCEED 10% MEASURED ALONG CURB LINE.



TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON LANDING AT STREET EDGE.



TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.



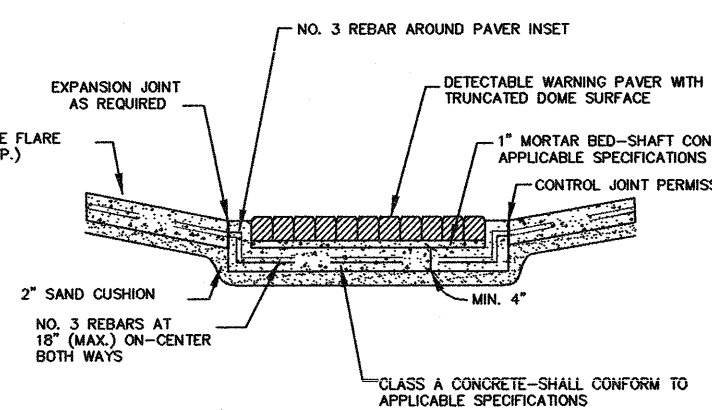
Truncated Dome Pattern Curb Ramp

DETECTABLE WARNING PAVEMENT (OPTION)

Detectable Warning Paver

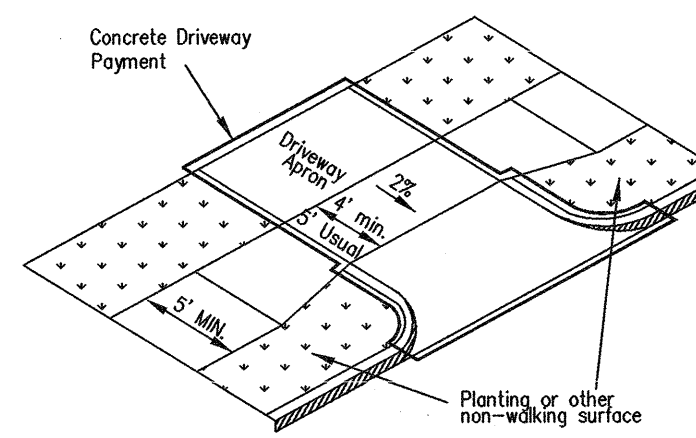
GENERAL NOTES FOR DETECTABLE WARNINGS

1. CURB RAMPs MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOMES COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACES, INCLUDING SIDE FLARES. FURNISH DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN THE PLANS.
2. DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
3. ALIGN TRUNCATED DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
4. SHADED AREAS ON SHEET 1 OF 4 INDICATE THE APPROXIMATE LOCATION FOR THE DETECTABLE WARNING SURFACE FOR EACH CURB RAMP TYPE.
5. DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
6. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS A MINIMUM OF 6" AND A MAXIMUM OF 10" FROM THE EXTENSION OF THE FACE OF CURB. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.
7. TxDOT MAINTAINS A LIST OF QUALIFIED DETECTABLE WARNING MATERIALS. DETAILS ARE PROVIDED HEREIN FOR THE PLACEMENT OF LANDSCAPE PAVERS. FOR OTHER MATERIALS, REFER TO THE MANUFACTURER'S PRODUCT MANUAL FOR PROPER INSTALLATION.

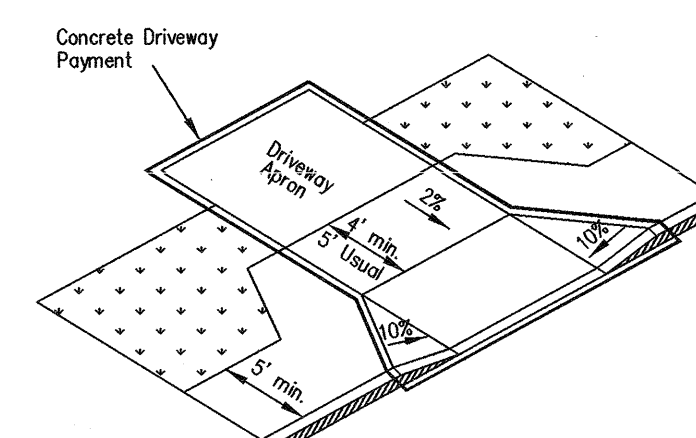


GENERAL NOTES FOR SECTION A-A

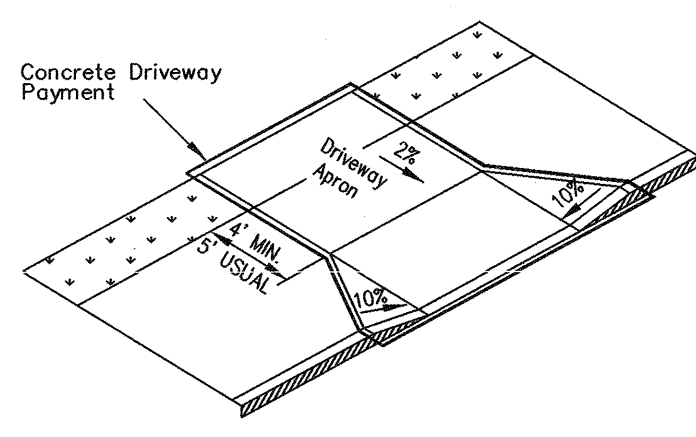
1. CURB RAMPs MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOMES COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACES, INCLUDING SIDE FLARES. FURNISH DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN THE PLANS.



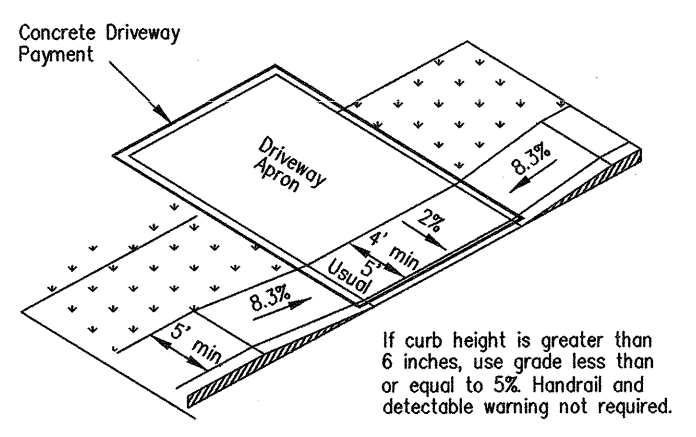
Setback sidewalk



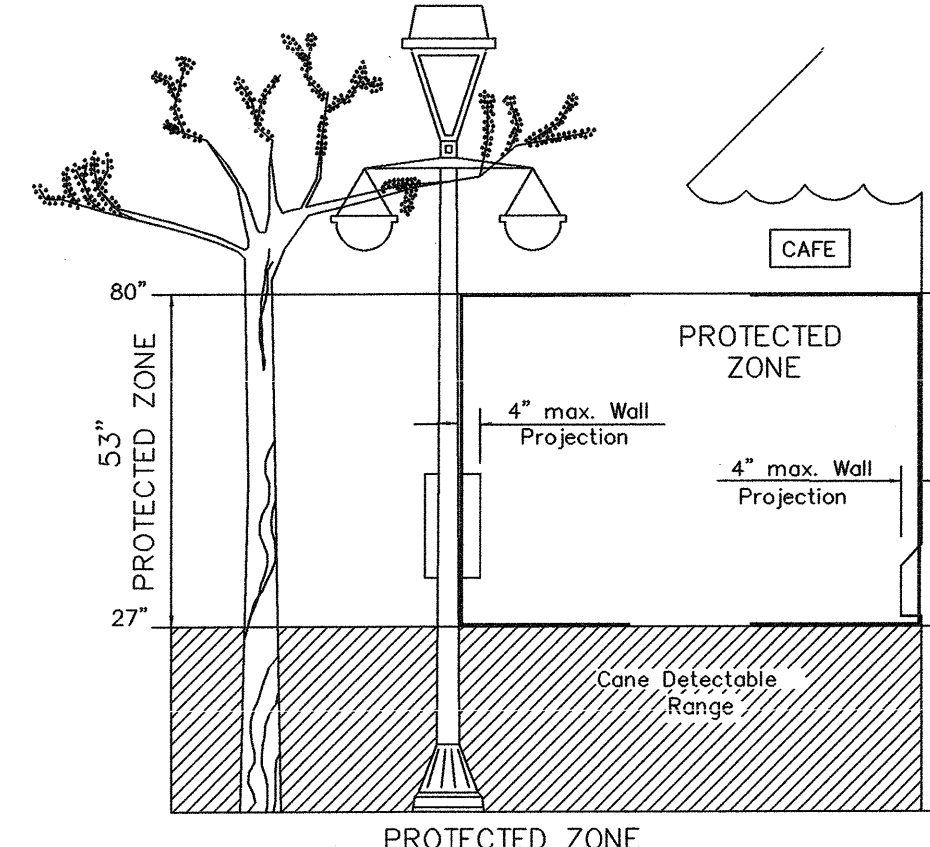
Apron offset sidewalk



Wide sidewalk

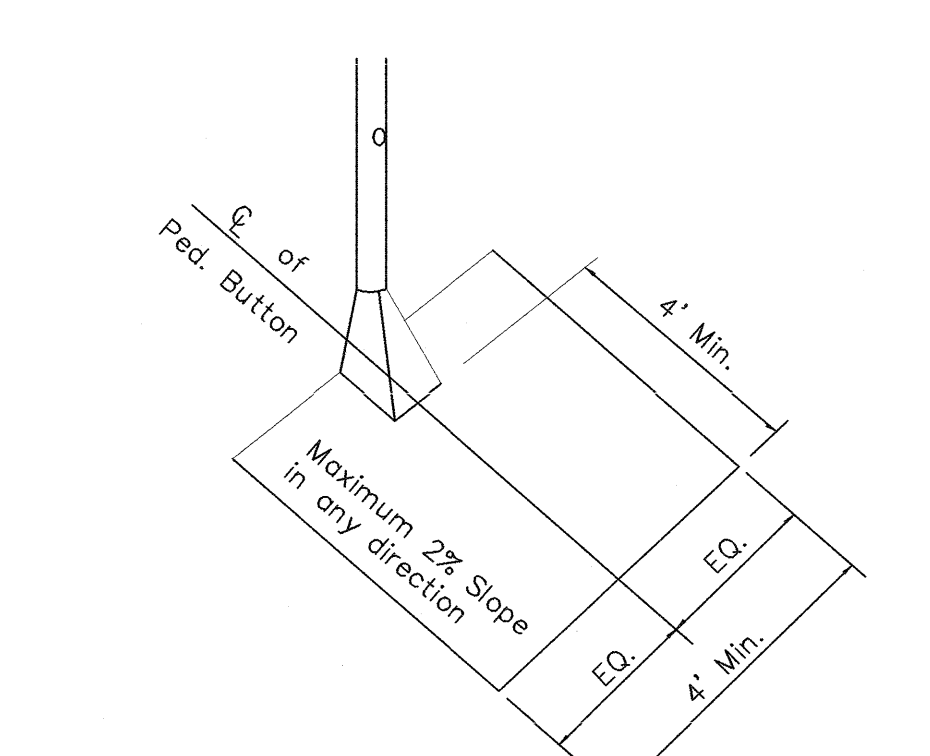


Ramp sidewalk
SIDEWALK TREATMENT AT DRIVEWAYS



PROTECTED ZONE

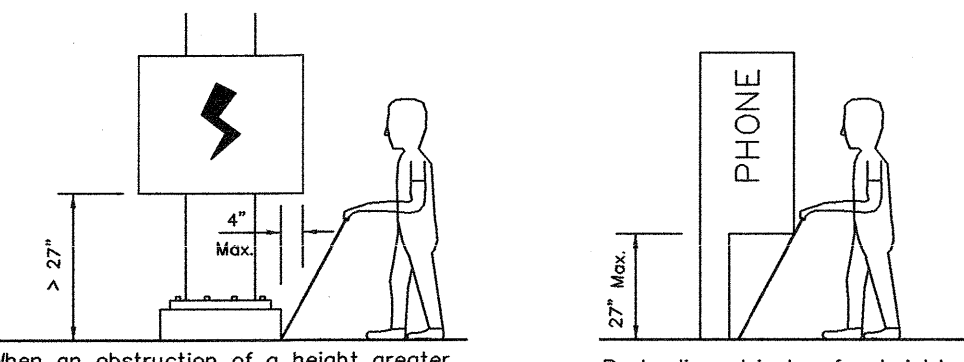
In pedestrian circulation area, maximum 4" projection for post or wall mounted objects between 27" and 80" above the surface.



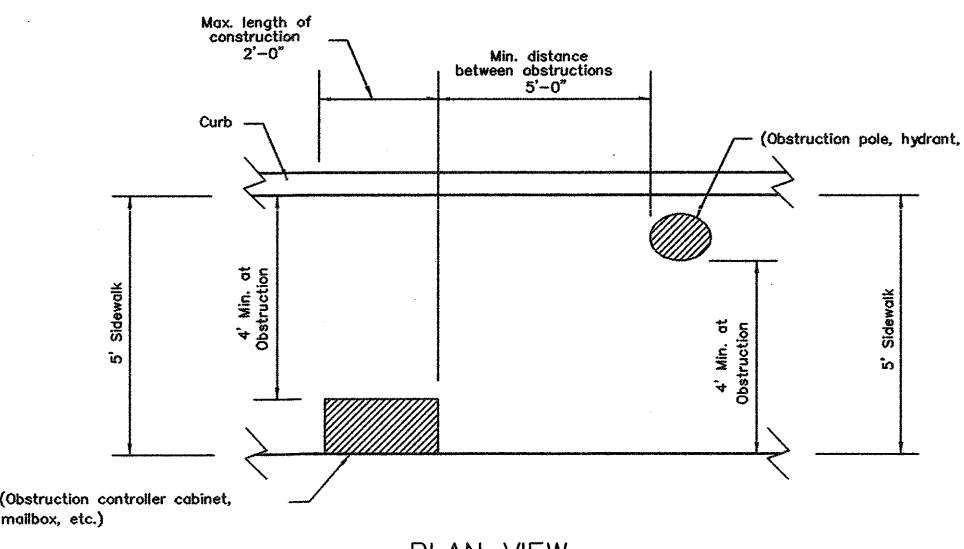
CLEAR GROUND SPACE CENTERED
AT PEDESTRIAN PUSH BUTTON

General Notes

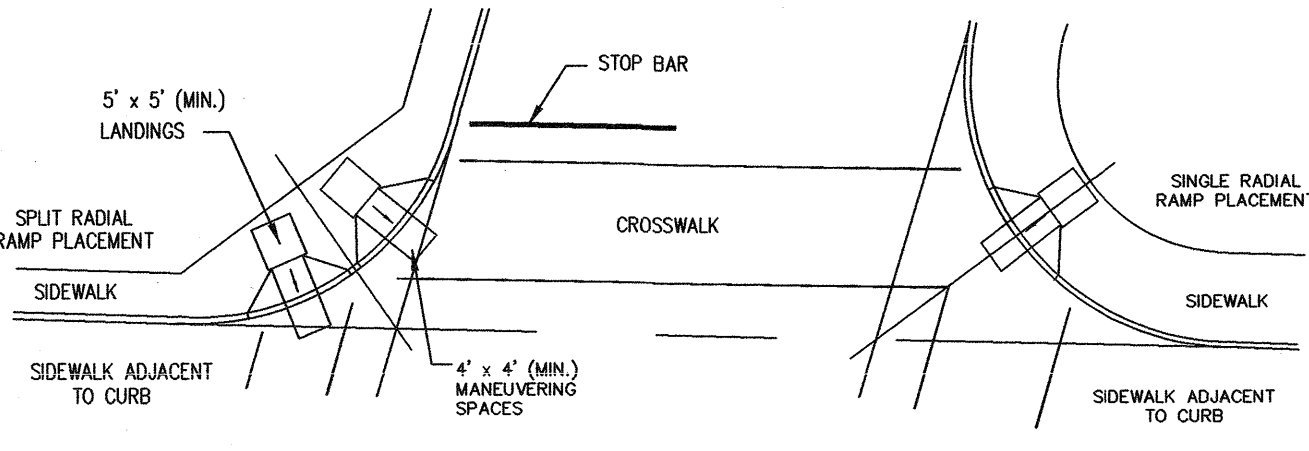
1. All slopes are maximum allowable. The least possible slope that will still drain properly should be used.
2. Place traffic signal or illumination poles, ground boxes, controller boxes, signs, drainage facilities and other items so as not to obstruct the accessible route or clear ground space.
3. Usual sidewalk cross slope equals 1.5%. The maximum allowable sidewalk cross slope equals 2%.
4. Street grades and cross slopes shall be as shown elsewhere in the plans.
5. Existing features that comply with TAS may remain in place unless otherwise shown on the plans.
6. Changes in level greater than 1/4 inch are not permitted.
7. The least possible grade should be used to maximize accessibility. The running slope of sidewalks and crosswalks, within the public right of way, may follow the grade of the parallel roadway. Where a continuous grade greater than 5% must be provided, handrails may be desirable on one or both sides of the sidewalk to improve accessibility. Handrails may also be needed to protect pedestrians from potentially hazardous conditions. If provided, handrails must comply with TAS 4.8.5.
8. Handrail extensions shall not protrude into the usable landing area or into intersecting pedestrian routes.
9. Driveways and turnouts shall be constructed and paid for in accordance with Item, "Driveways and Turnouts". Sidewalks shall be constructed and paid for in accordance with Item, "Sidewalks".
10. Sidewalk details are shown elsewhere in the plans.



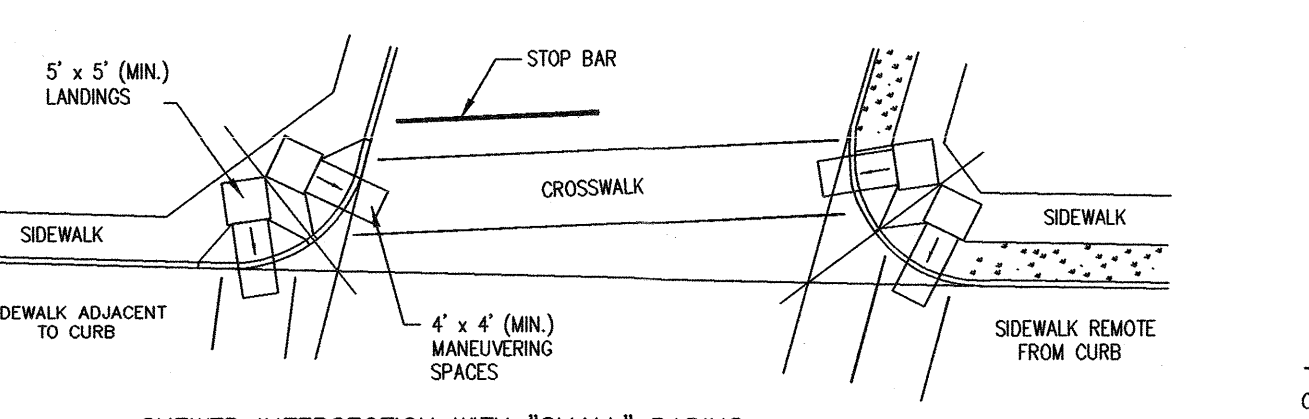
DETECTION BARRIER FOR VERTICAL CLEARANCE < 80"



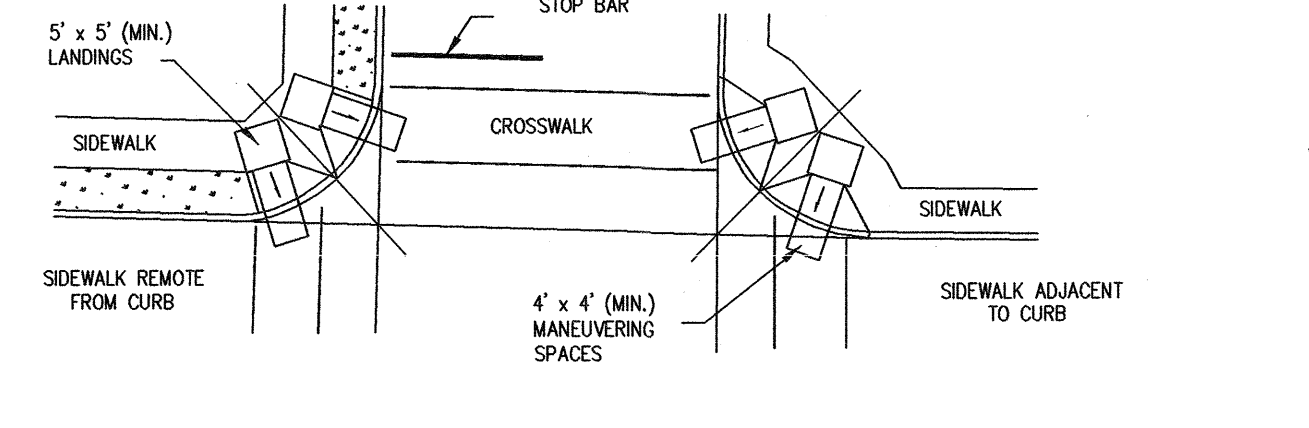
PLAN VIEW
PLACEMENT OF STREET FIXTURES
(Items not intended for public use. Minimum 4'x4' clear ground space required at public use fixtures.)



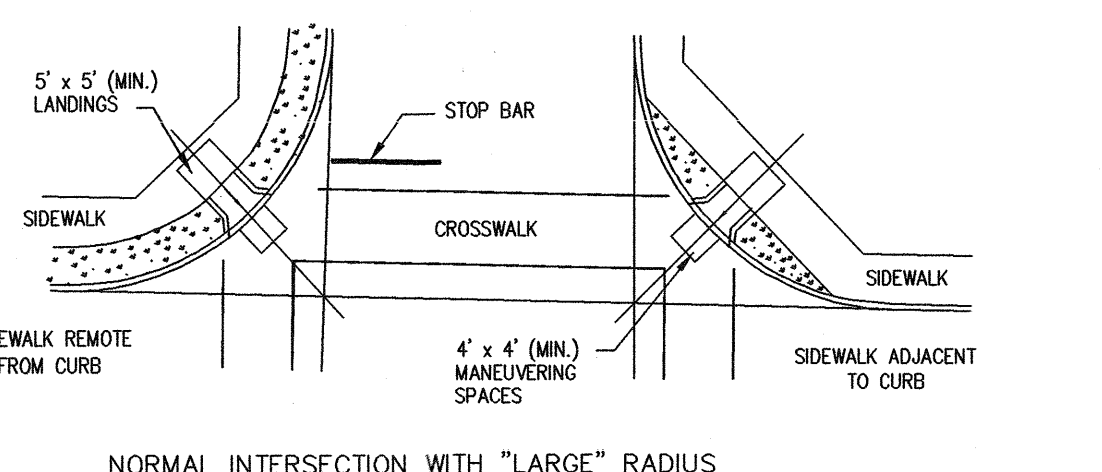
SKewed INTERSECTION WITH "LARGE" RADIUS



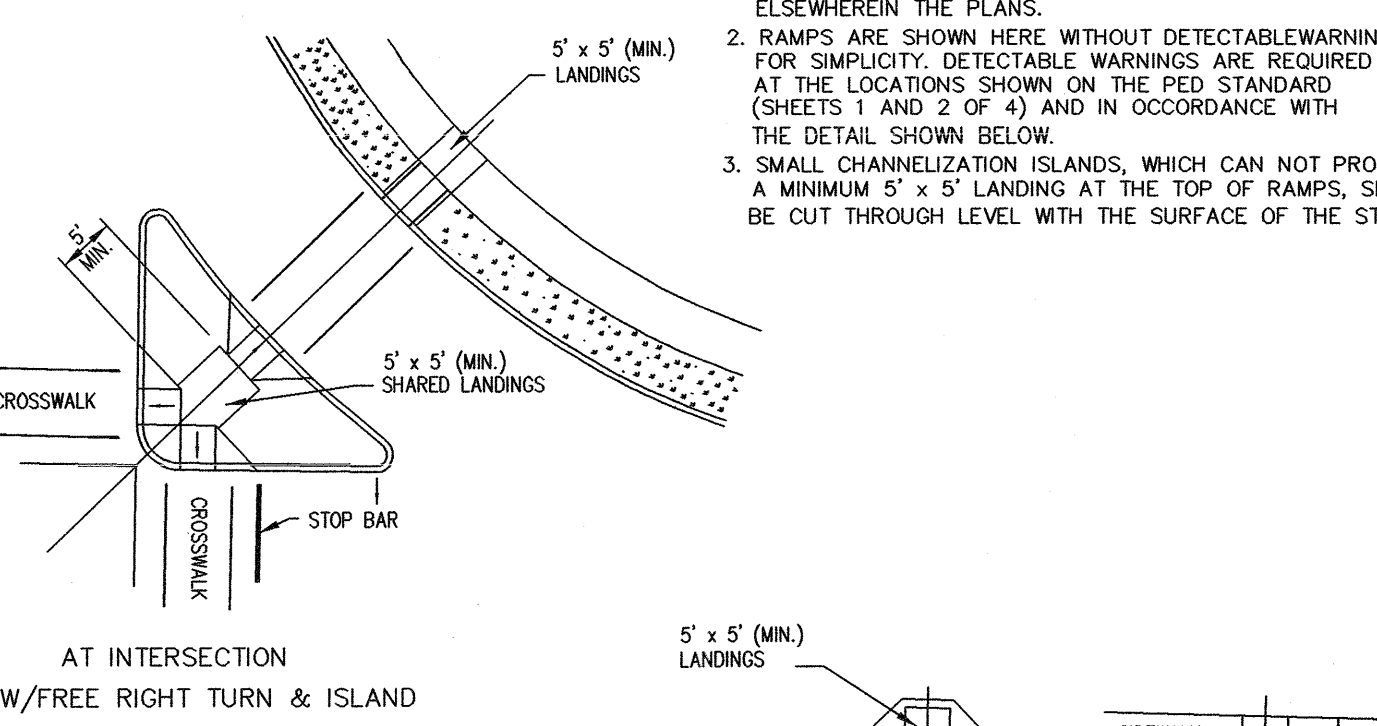
SKewed INTERSECTION WITH "SMALL" RADIUS



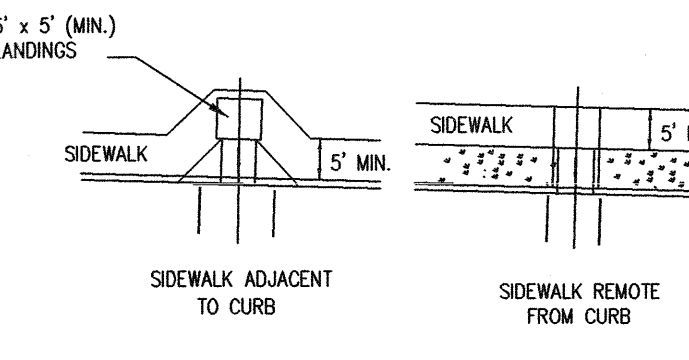
NORMAL INTERSECTION WITH "SMALL" RADIUS
TYPICAL CROSSING LAYOUTS



NORMAL INTERSECTION WITH "LARGE" RADIUS



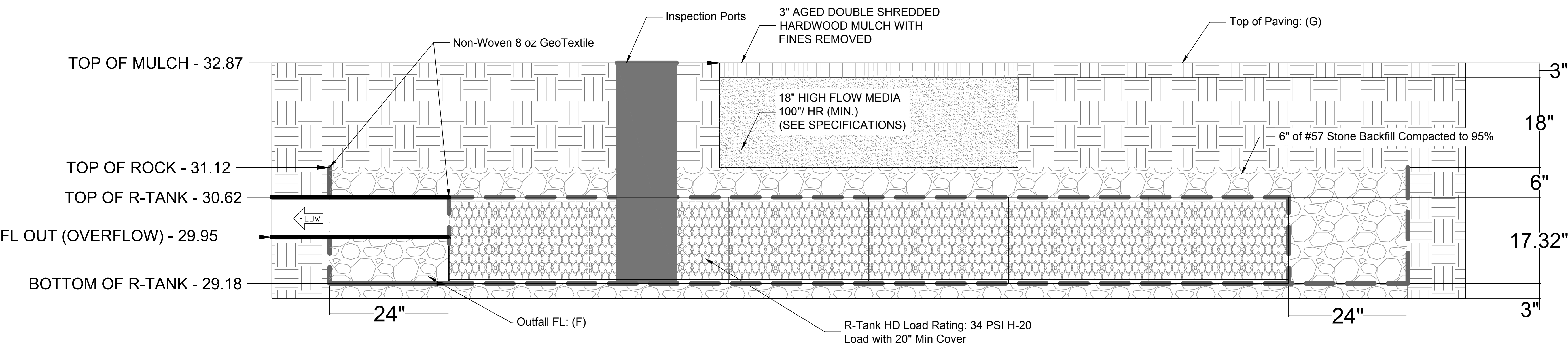
TYPICAL CROSSING LAYOUTS



MID-BLOCK PLACEMENT
PERPENDICULAR RAMPs

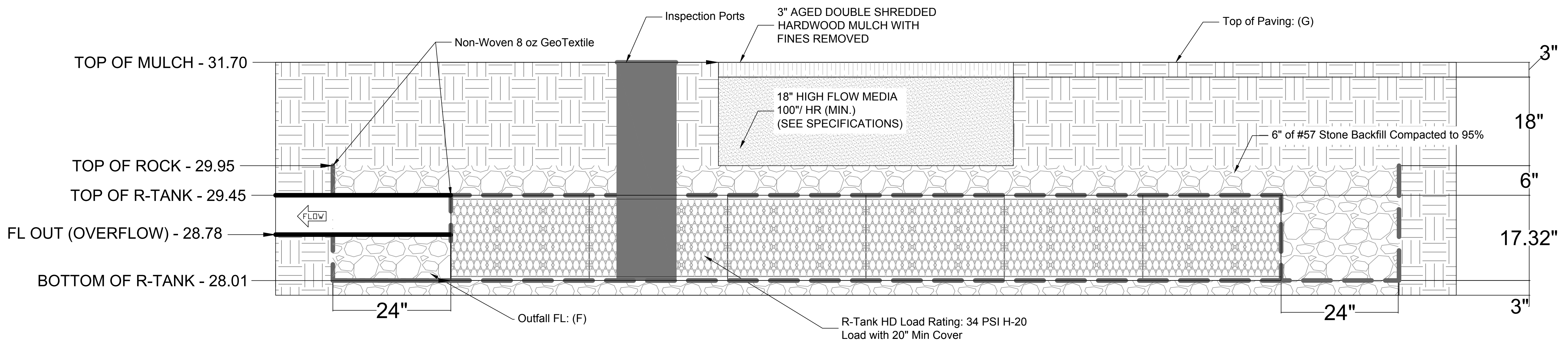
Profile View - 1

*OVERFLOW STRUCTURE (NOT SHOWN) ELEV. - 32.96



Profile View - 2

*OVERFLOW STRUCTURE (NOT SHOWN) ELEV. - 32.3



General Notes

0

No.

Revision/Issue

Date

CONSTRUCTION

ECO

SERVICES

Project Name and Address

COB – Belden Trail 3
Brownsville, Texas

Profile Guide

Project:
Belden Trail 3

Date
11/19/2018

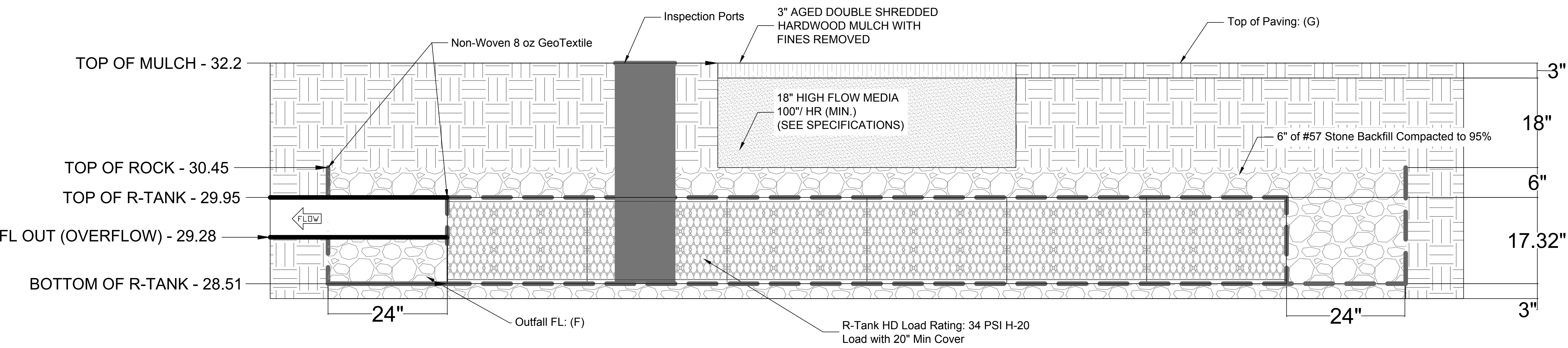
Scale
As Noted

Sheet

1

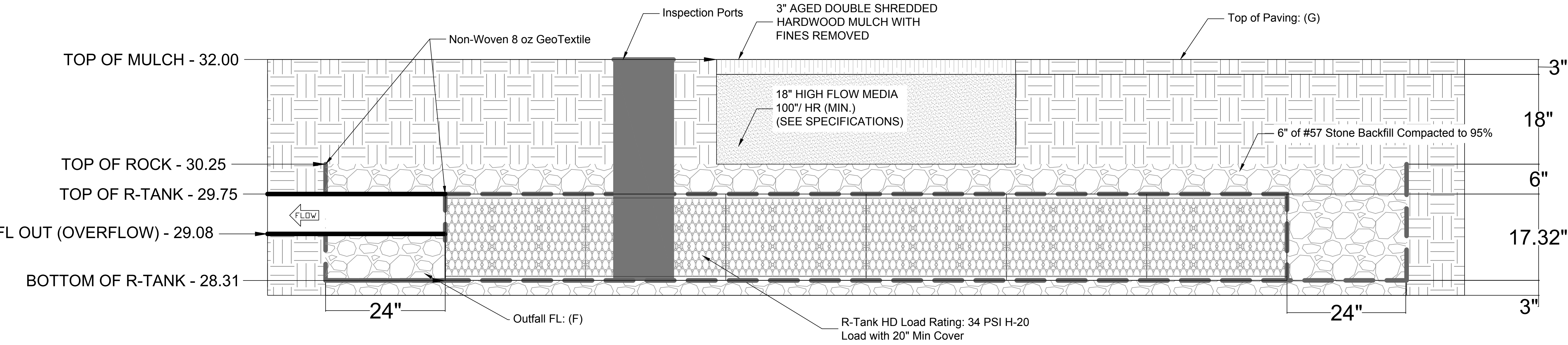
Profile View - 6

*OVERFLOW STRUCTURE (NOT SHOWN) ELEV. - 32.3



Profile View - 7

*OVERFLOW STRUCTURE (NOT SHOWN) ELEV. - 32.82



General Notes

0

No.

Revision/Issue

Date

CONSTRUCTION

ECO

SERVICES

Project Name and Address

COB – Belden Trail 3
Brownsville, Texas

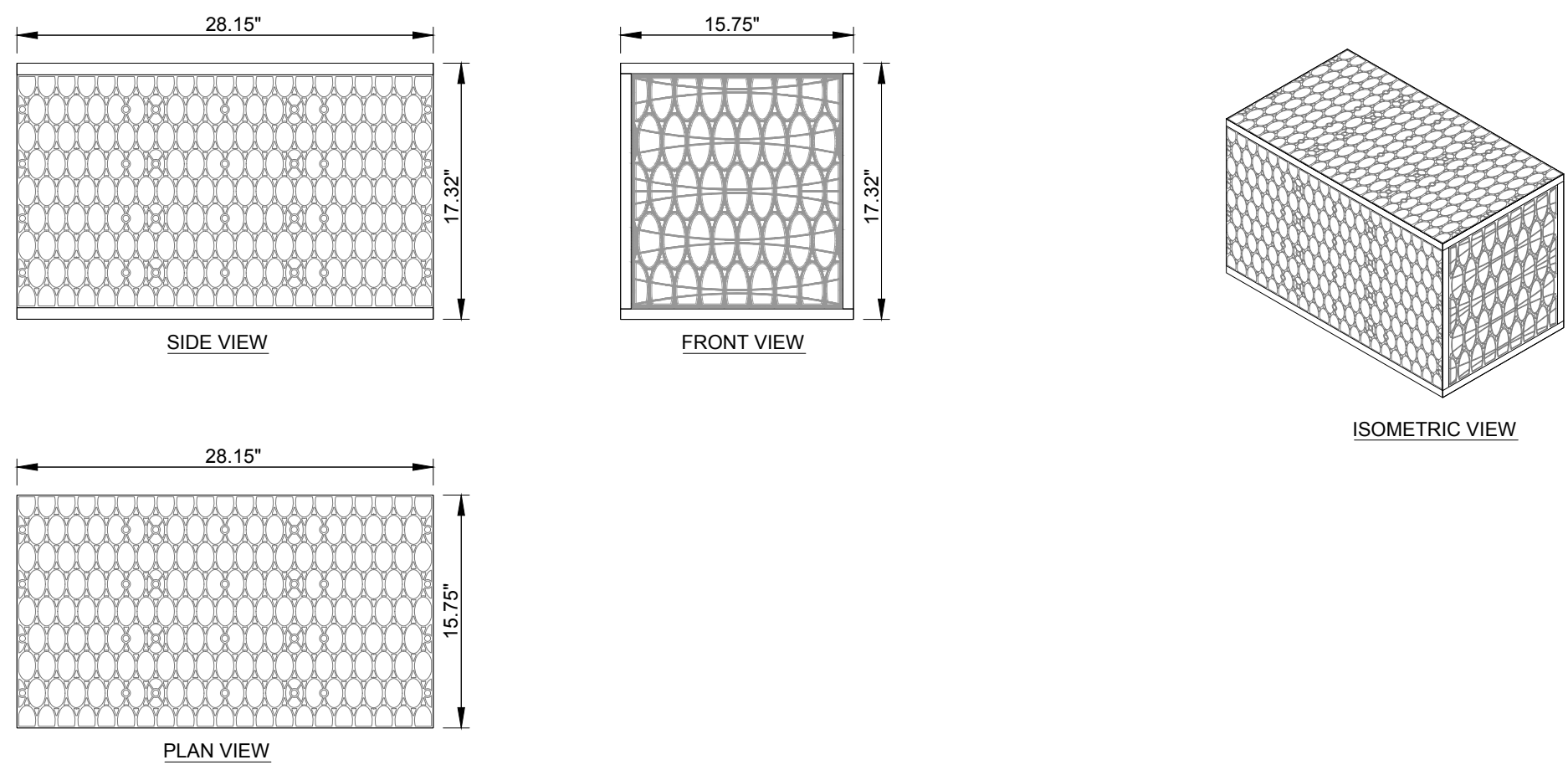
Profile Guide

Project:
Belden Trail 3

Date
11/19/2018

Scale
As Noted

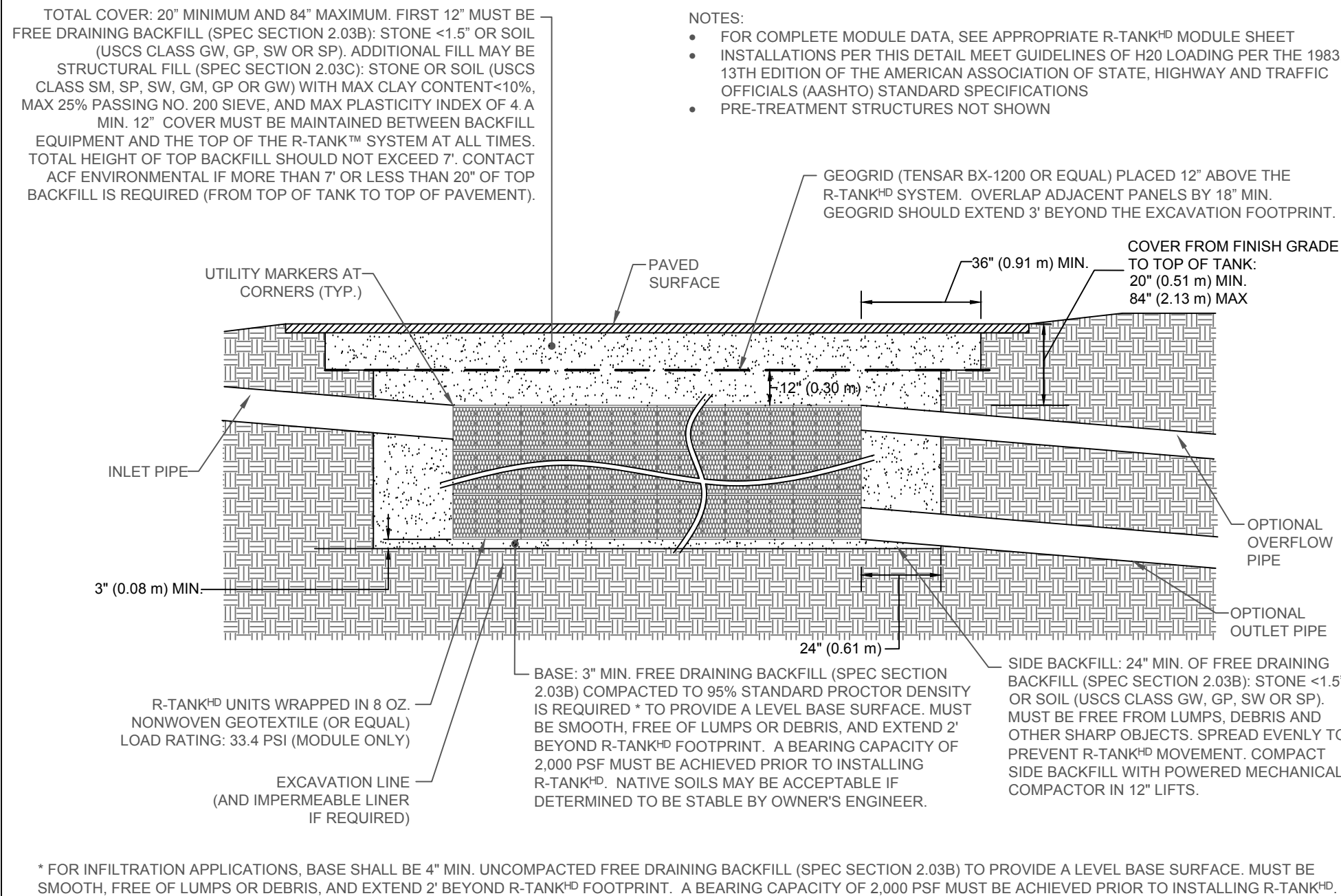
Sheet
2



R-TANK ^{HD} - SINGLE - MODULE DATA	
GEOMETRY: LENGTH = 28.15 IN. (715 MM) WIDTH = 15.75 IN. (400 MM) HEIGHT = 17.32 IN. (440 MM) TANK VOLUME = 4.44 CF STORAGE VOLUME = 4.22 CF VOID INTERNAL VOLUME: 95% VOID SURFACE AREA: 90%	LOAD RATING: 33.4 PSI. (MODULE ONLY) HS25, (WITH ACF COVER SYSTEM) MATERIAL: 100% RECYCLED POLYPROPYLENE SMALL PLATES PER SEGMENT/TOTAL: 5/5

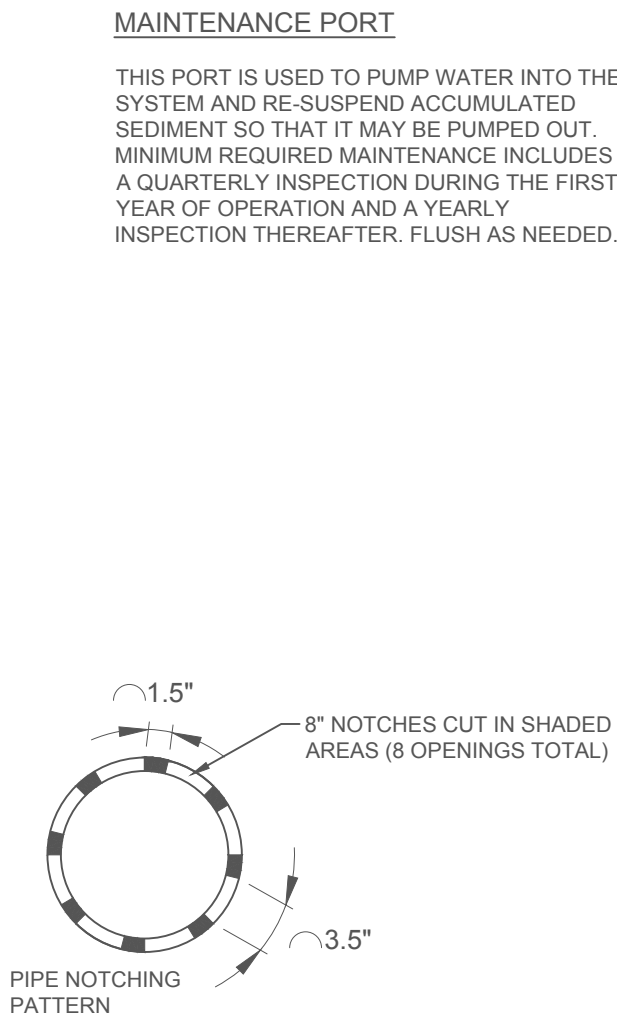
1

R-TANK^{HD} - SINGLE MODULE DETAIL



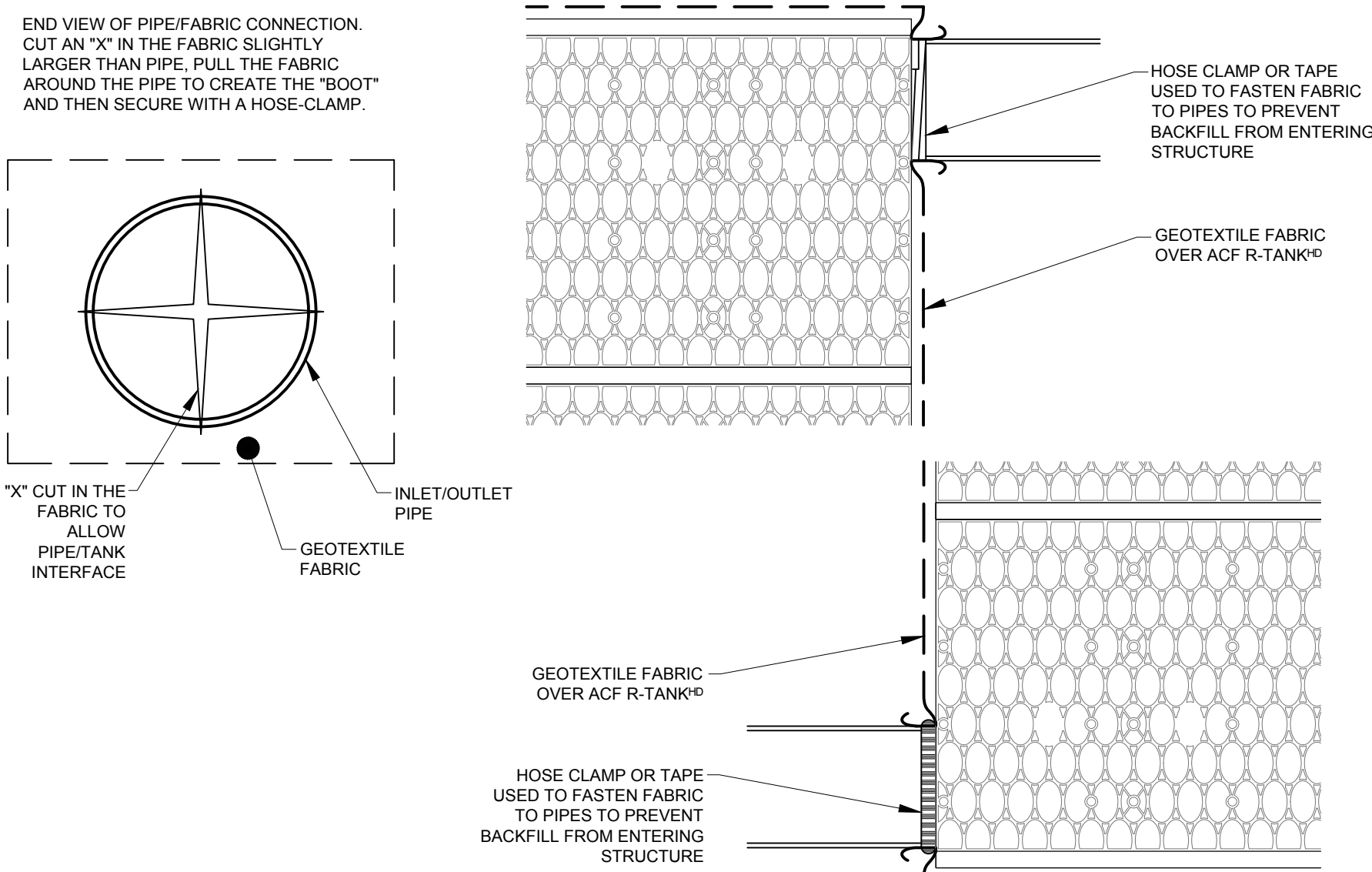
2

R-TANK^{HD} - HS - 20 LOADS



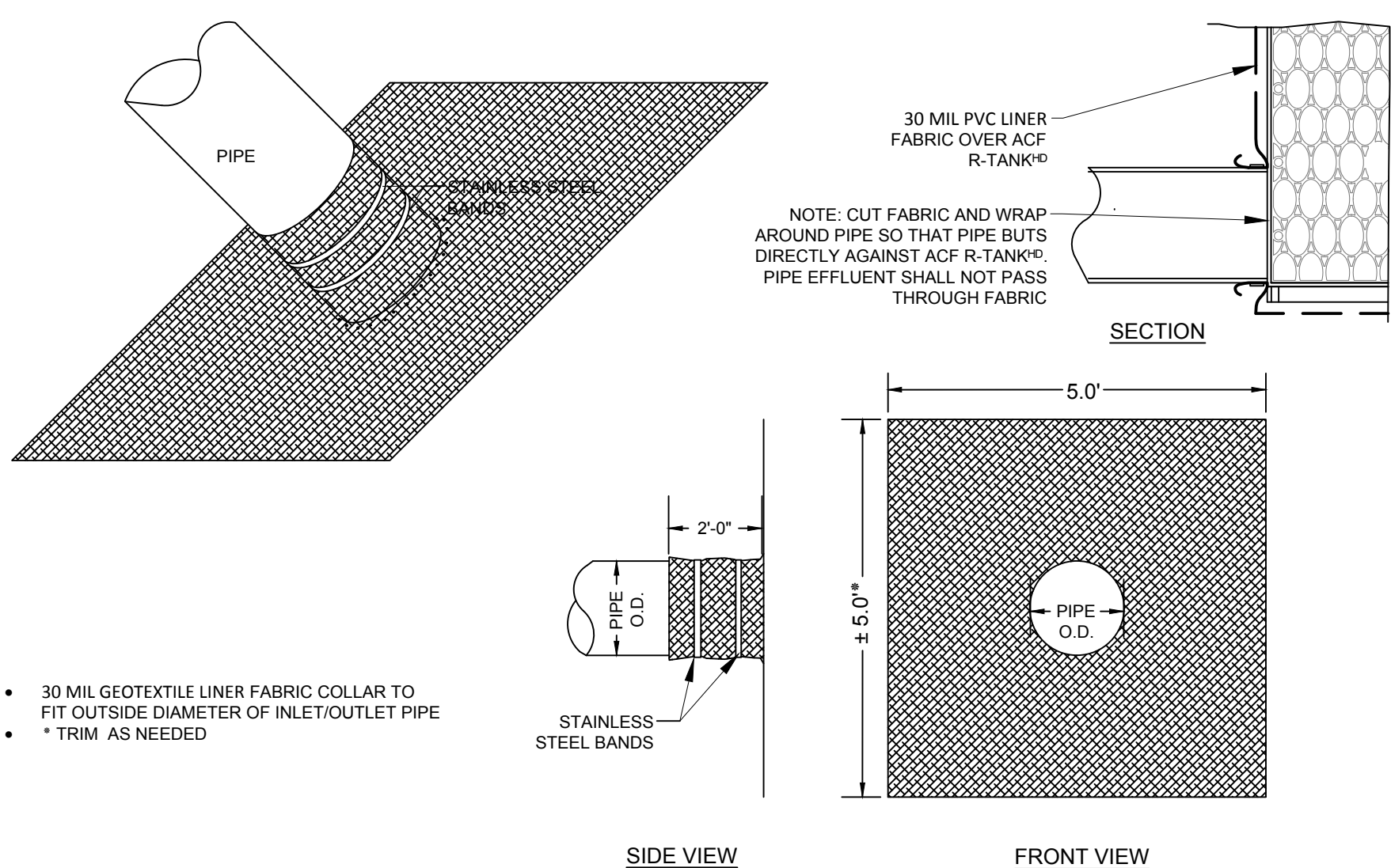
3

R-TANK^{HD} - TYPICAL MAINTENANCE PORT



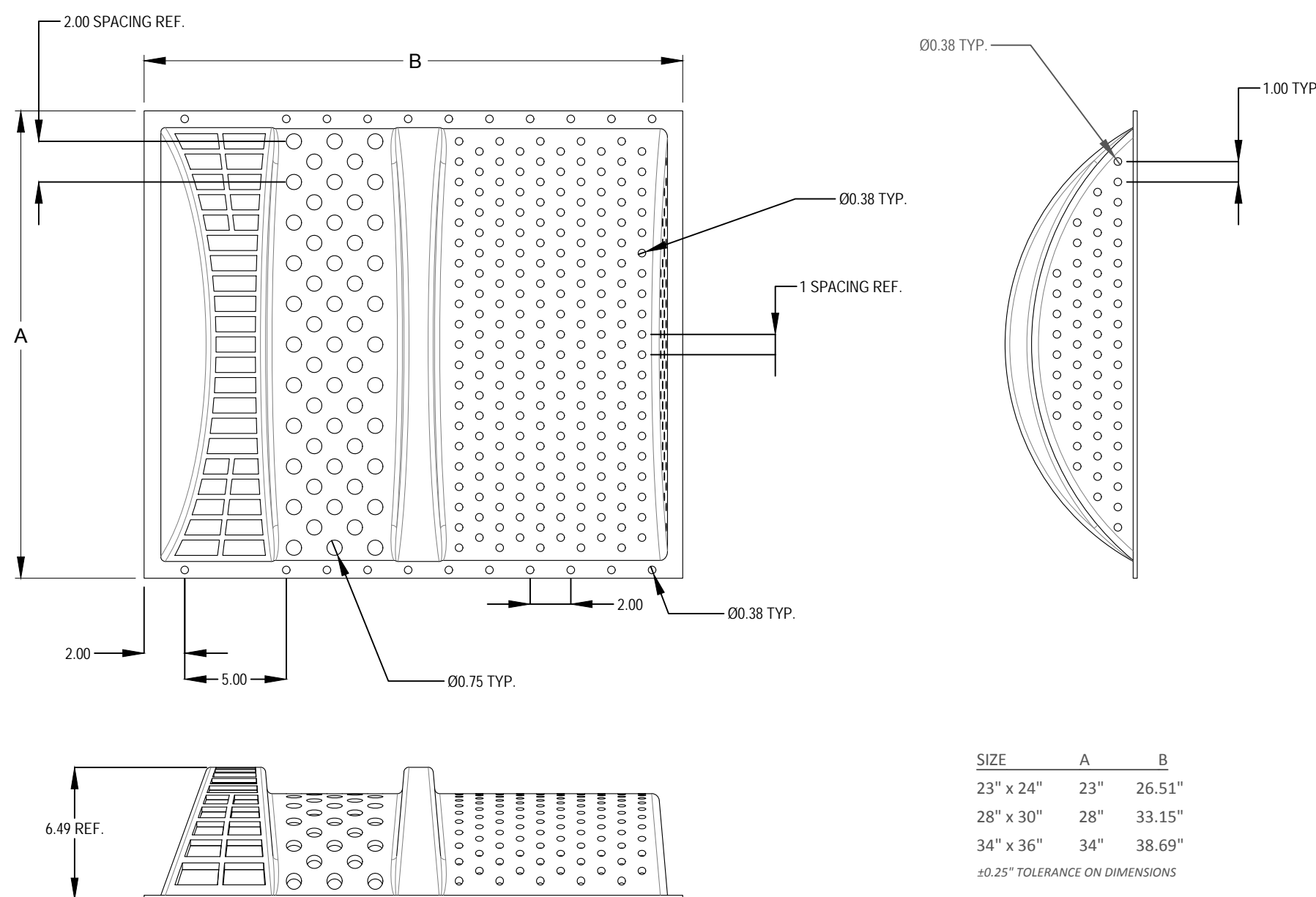
4

R-TANK^{HD} - TYPICAL TANK INLET/OUTLET DETAIL



5

R-TANK^{HD} - GEOTEXTILE PIPE BOOT



6

TRASH GUARD PLUS DETAIL

DATE	REVISION

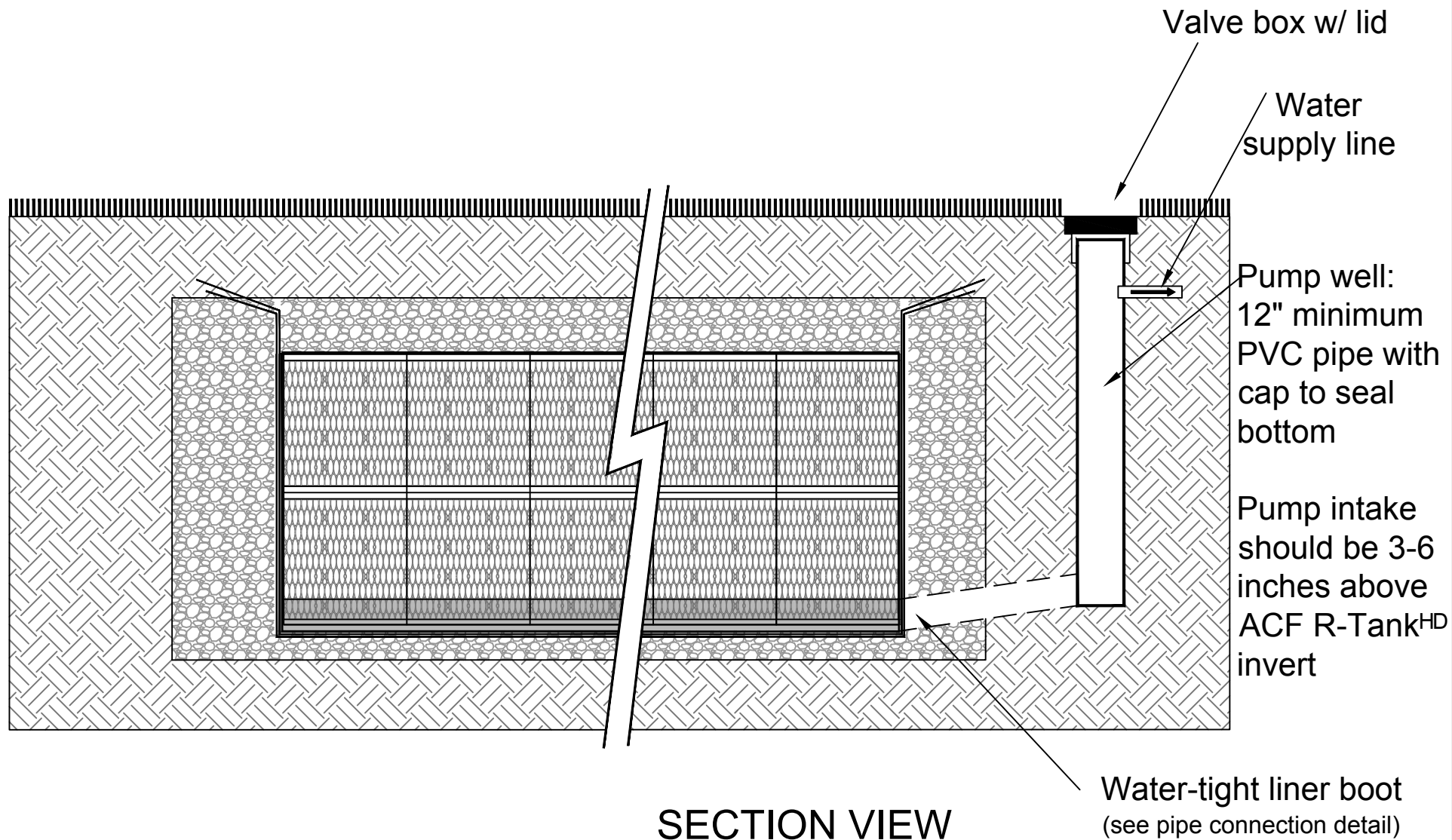
FOR ADDITIONAL INFORMATION PLEASE CONTACT:
CONSTRUCTION ECO SERVICES
832-456-1000
www.ecosvs.com

CONSTRUCTION
ECO
SERVICES

R-TANK^{HD} DETAILS

COB - Belden Trail 3
Brownsville, Texas

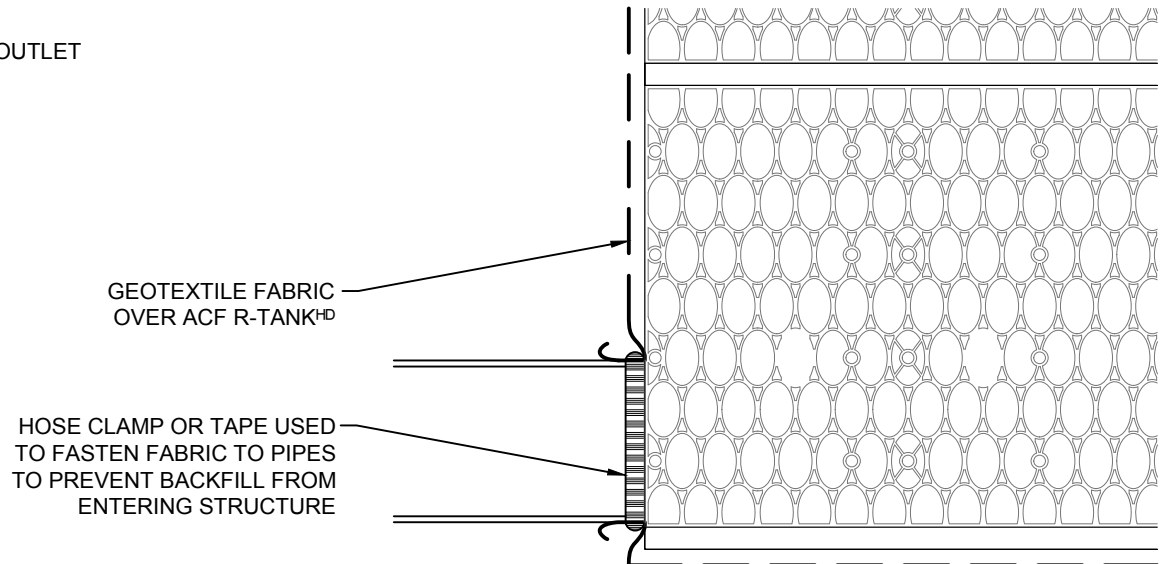
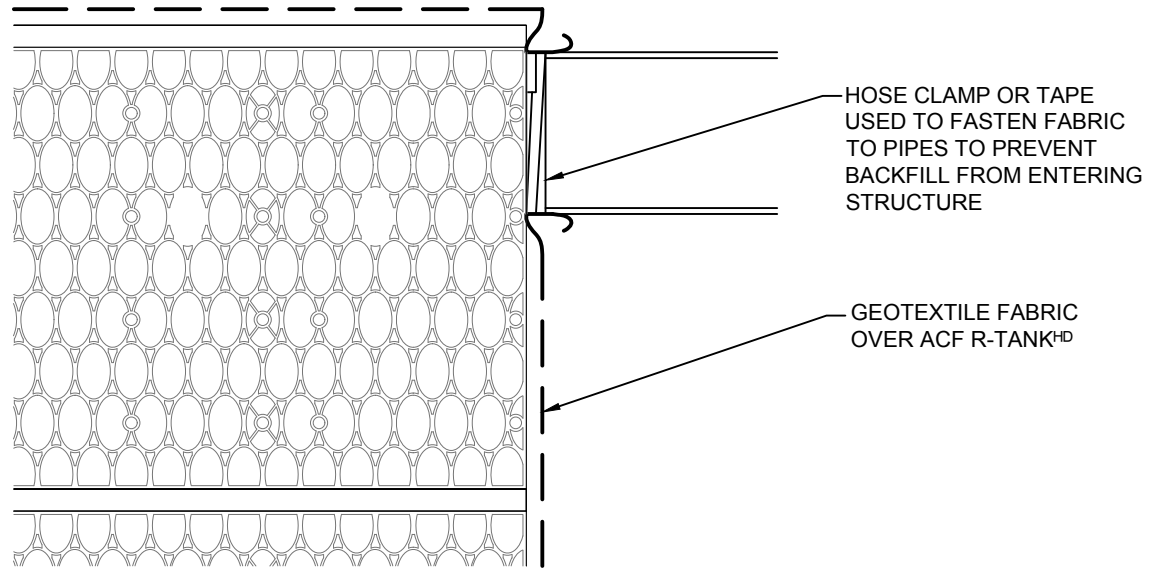
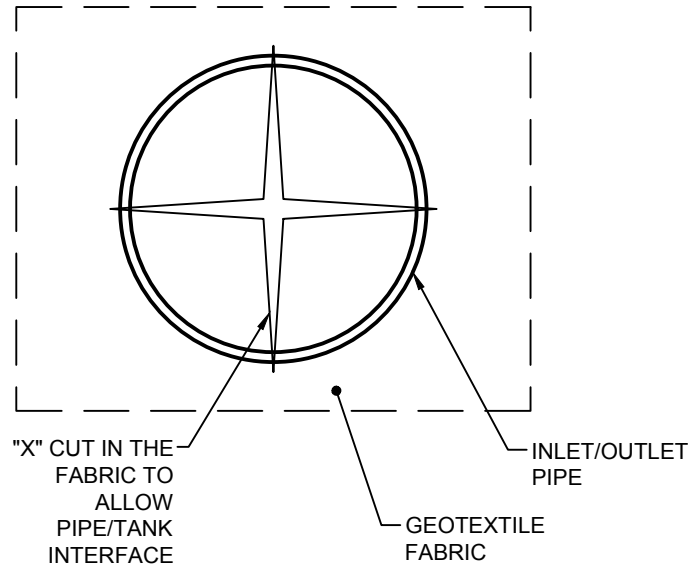
REVISION NO.	0
DATE	11/19/2018
SHEET NO.	3



R-TANK^{HD} CISTERN EXTERNAL WET WELL

FOR ADDITIONAL INFORMATION PLEASE CONTACT: CONSTRUCTION ECO SERVICES, 832-456-1000, www.ecosvs.com

END VIEW OF PIPE/FABRIC CONNECTION.
CUT AN "X" IN THE FABRIC SLIGHTLY
LARGER THAN PIPE, PULL THE FABRIC
AROUND THE PIPE TO CREATE THE "BOOT"
AND THEN SECURE WITH A HOSE-CLAMP.

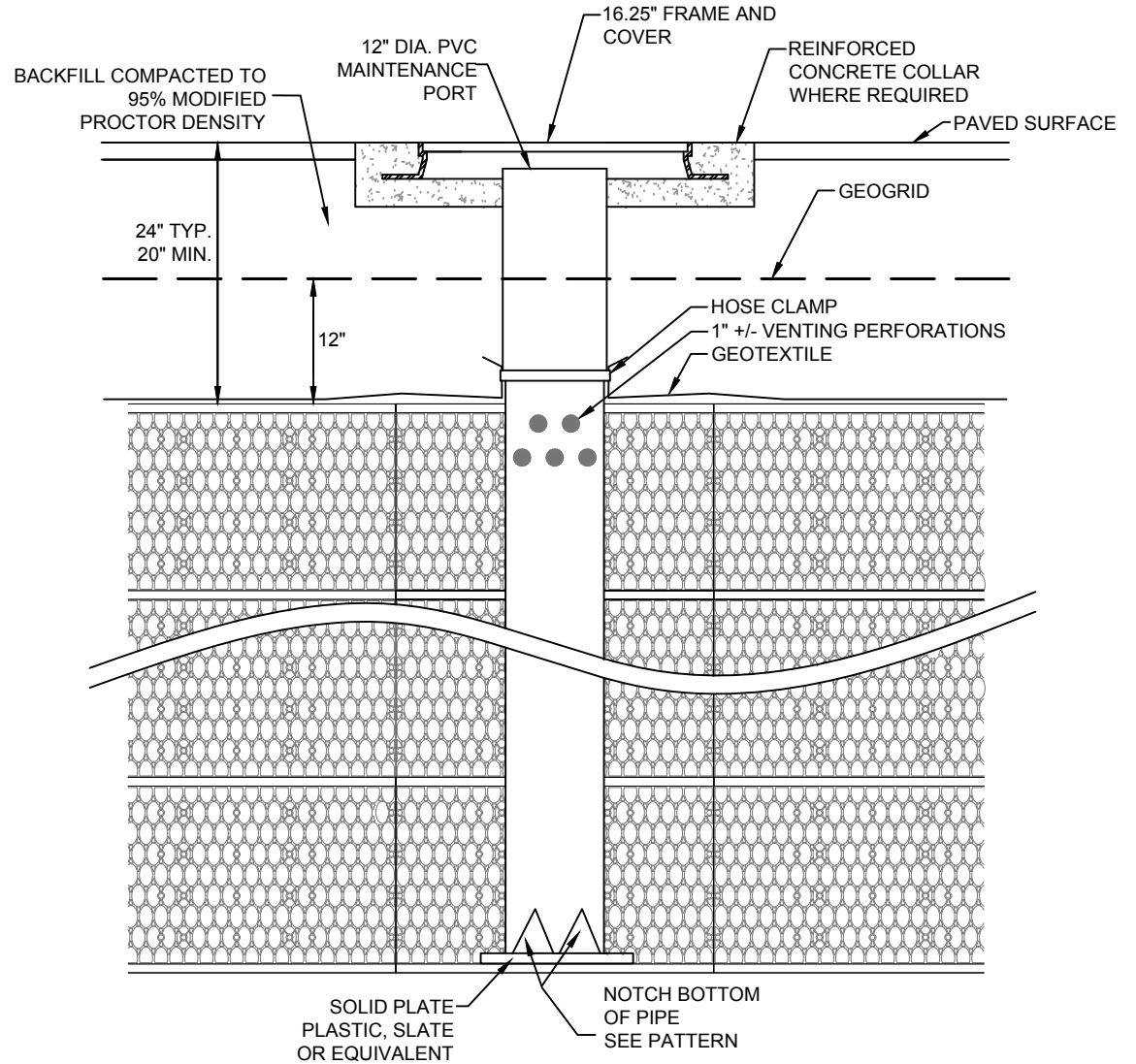
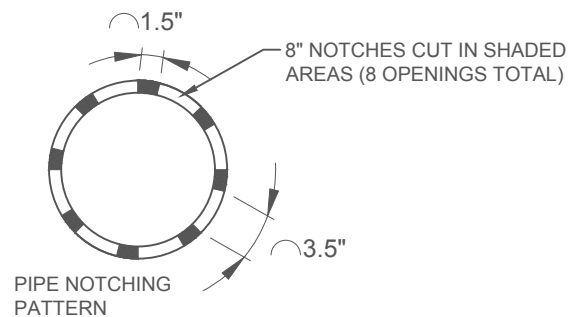


R-TANK^{HD} TYPICAL TANK INLET/OUTLET DETAIL

FOR ADDITIONAL INFORMATION PLEASE CONTACT: CONSTRUCTION ECO SERVICES, 832-456-1000, www.ecosvs.com

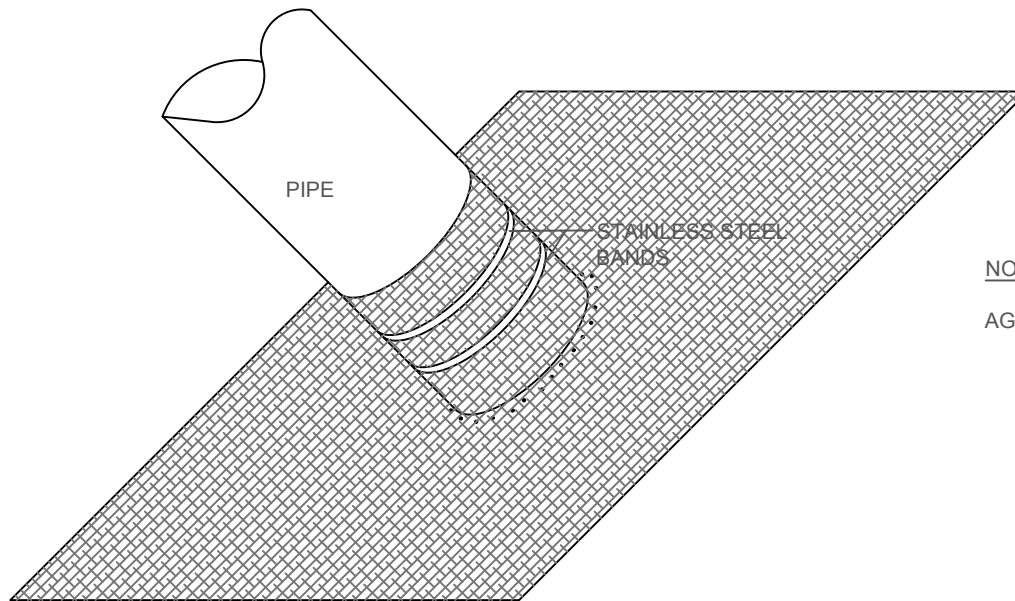
MAINTENANCE PORT

THIS PORT IS USED TO PUMP WATER INTO THE SYSTEM AND RE-SUSPEND ACCUMULATED SEDIMENT SO THAT IT MAY BE PUMPED OUT. MINIMUM REQUIRED MAINTENANCE INCLUDES A QUARTERLY INSPECTION DURING THE FIRST YEAR OF OPERATION AND A YEARLY INSPECTION THEREAFTER. FLUSH AS NEEDED.



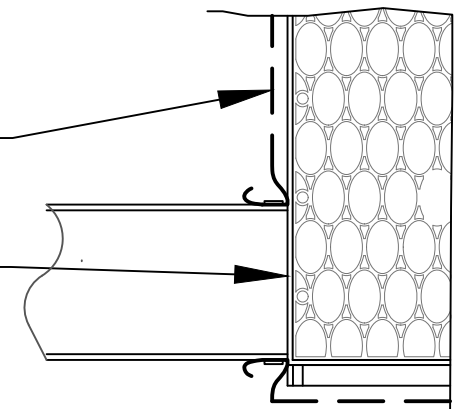
R-TANK^{HD} TYPICAL MAINTENANCE PORT

FOR ADDITIONAL INFORMATION PLEASE CONTACT: CONSTRUCTION ECO SERVICES, 832-456-1000, www.ecosvs.com

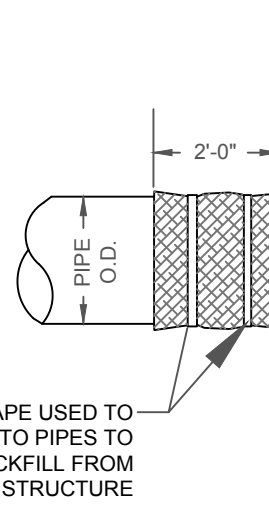


GEOTEXTILE FABRIC
OVER ACF R-TANK^{HD}

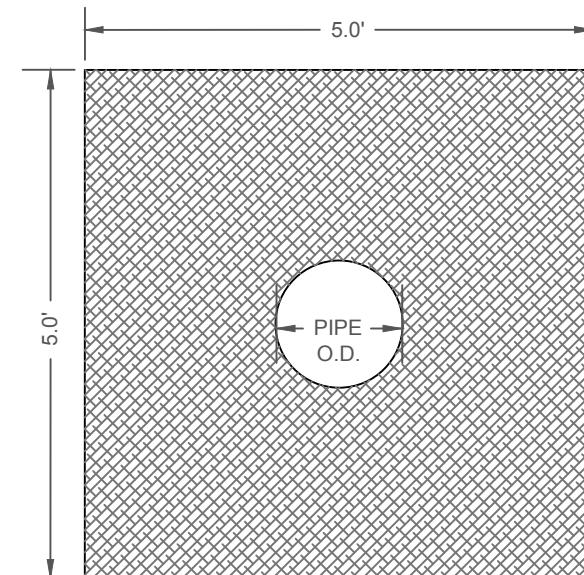
NOTE: CUT FABRIC AND WRAP AROUND
PIPE SO THAT PIPE BUTS DIRECTLY
AGAINST ACF R-TANK^{HD} PIPE EFFLUENT
SHALL NOT PASS THROUGH FABRIC



SECTION



SIDE VIEW



FRONT VIEW

- 12 OZ/SY NONWOVEN GEOTEXTILE
- FABRIC COLLAR TO FIT OUTSIDE DIAMETER OF INLET/OUTLET PIPE



FABRIC PIPE BOOT FOR R-TANK^{HD}

FOR ADDITIONAL INFORMATION PLEASE CONTACT: CONSTRUCTION ECO SERVICES, 832-456-1000, www.ecosvs.com

R-TANK SPECIFICATION

PART 1 - GENERAL

- 1.01 Related Documents

A. Drawings, technical specification and general provisions of the Contract as modified herein apply to this section.
- 1.02 Description of Work Included

A. Provide excavation and base preparation per geotechnical engineer's recommendations and/or as shown on the design drawings, to provide adequate support for project design loads and safety from excavation sidewall collapse. Excavations shall be in accordance with the owner's and OSHA requirements.

B. Provide and install R-Tank, R-TankHD, or R-TankSD system (hereafter called R-Tank) and all related products including fill materials, geotextiles, geogrids, inlet and outlet pipe with connections per the manufacturer's installation guidelines provided in this section.

C. Provide and construct the cover of the R-Tank system including: stone backfill, structural fill cover, and pavement section as specified.

D. Protect R-Tank system from construction traffic after installation until completion of all construction activity in the installation area.
- 1.03 Quality Control

A. All materials shall be manufactured in ISO certified facilities.

B. Installation Contractor shall demonstrate the following experience:

1. A minimum of three R-Tank or equivalent projects completed within 2 years; and,

2. A minimum of 25,000 cubic feet of storage volume completed within 2 years.

3. Contractor experience requirement may be waived if the manufacturer's representative provides on-site training and review during construction.

C. Installation Personnel: Performed only by skilled workers with satisfactory record of performance on bulk earthworks, pipe, chamber, or pond/landfill construction projects of comparable size and quality.

D. Contractor must have manufacturer's representative available for site review if requested by Owner.

1.04 Submittals

A. Submit proposed R-Tank layout drawings. Drawings shall include typical section details as well as the required base elevation of stone and tanks, minimum cover requirements and tank configuration.

B. Submit manufacturer's product data, including compressive strength and unit weight.

C. Submit manufacturer's installation instructions.

D. Submit R-Tank sample for review. Reviewed and accepted samples will be returned to the Contractor.

E. Submit material certificates for geotextile, geogrid, base course and backfill materials.

F. Submit required experience and personnel requirements as specified in Section 1.03.

G. Any proposed equal alternative product substitution to this specification must be submitted for review and approved prior to bid opening. Review package should include third party reviewed performance data that meets or exceeds criteria in Table 2.01 B.

1.05 Delivery, Storage, and Handling

A. Protect R-Tank and other materials from damage during delivery, and store UV sensitive materials under tarp to protect from sunlight when time from delivery to installation exceeds two weeks. Storage of materials should be on smooth surfaces, free from dirt, mud and debris.

B. Handling is to be performed with equipment appropriate to the materials and site conditions, and may include hand, handcart, forklifts, extension lifts, etc.

C. Cold weather:

1. Care must be taken when handling plastics when air temperature is 40 degrees or below as plastic becomes brittle.

2. Do not use frozen materials or materials mixed or coated with ice or frost.

3. Do not build on frozen ground or wet, saturated or muddy subgrade.

1.06 Preinstallation Conference.

A. Prior to the start of the installation, a preinstallation conference shall occur with the representatives from the design team, the general contractor, the excavation contractor, the R-Tank installation contractor, and the manufacturer's representative.

1.07 Project Conditions

A. Coordinate installation for the R-Tank system with other on-site activities to eliminate all non-installation related construction traffic over the completed R-Tank system. No loads heavier than the design loads shall be allowed over the system, and in no case shall loads higher than a standard AASHTO HS20 (or HS25, depending on design criteria) load be allowed on the system at any time.

B. Protect adjacent work from damage during R-Tank system installation.

C. All pre-treatment systems to remove debris and heavy sediments must be in place and functional prior to operation of the R-Tank system. Additional pretreatment measures may be needed if unit is operational during construction due to increased sediment loads.

D. Contractor is responsible for any damage to the system during construction.
- PART 2 - PRODUCTS
- 2.01 R-Tank Units

A. R-Tank - Injection molded plastic tank plates assembled to form a 95% void modular structure of predesigned height (custom for each project).

B. R-Tank units shall meet the following Physical & Chemical Characteristics:
- | PROPERTY | DESCRIPTION | R-Tank ^{LD}
VALUE | R-Tank ^{HD}
VALUE | R-Tank ^{SD}
VALUE |
|----------------------|---|-------------------------------|-------------------------------|-------------------------------|
| Void Area | Volume available for water storage | 95% | 95% | 95% |
| Surface Void Area | Percentage of exterior available for infiltration | 90% | 90% | 90% |
| Compressive Strength | ASTM D 2412 / ASTM F 2418 | 30.0 psi | 33.4 psi | 42.9 psi |
| HS-20 Minimum Cover | Cover required to support HS-20 loads | N/A | 20" | 18" |
| HS-25 Minimum Cover | Cover required to support HS-25 loads | N/A | 24" | 19" |
| Maximum Cover | Maximum allowable cover depth | 3 feet | < 7 feet | < 10 feet |
| Unit Weight | Weight of plastic per cubic foot of tank | 3.29 lbs / cf | 3.62 lbs/cf | 3.96 lbs / cf |
| Rib Thickness | Thickness of load-bearing members | 0.18 inches | 0.18 inches | 0.18 inches |
| Service Temperature | Safe temperature range for use | -14 – 167° F | -14 – 167° F | -14 – 167° F |
- 2.02 Geosynthetics

A. Geotextile. A geotextile envelope is required to prevent backfill material from entering the R-Tank modules.

1. Standard Application: The standard geotextile shall be an 8 oz per square yard nonwoven geotextile (ACF N080 or equivalent).

2. Infiltration Applications: When water must infiltrate/exfiltrate through the geotextile as a function of the system design, a woven monofilament (ACF M200 or equivalent) shall be used.

B. Geogrid. For installations subject to traffic loads and/or when required by project plans, install geogrid (ACF BX12 or equivalent) to reinforce backfill above the R-Tank system. Geogrid is often not required for non-traffic load applications.

2.03 Backfill & Cover Materials

A. Bedding Materials: Stone (smaller than 1.5" in diameter) or soil (GW, GP, SW, or SP as classified by the Unified Soil Classification System) shall be used below the R-Tank system (3" minimum). Material must be free from lumps, debris, and any sharp objects that could cut the geotextile. Material shall be within 3 percent of the optimum moisture content as determined by ASTM D698 at the time of installation. For infiltration applications bedding material shall be free draining.

B. Side and Top Backfill: Free draining stone (smaller than 1.5" in diameter) or soil (GW, GP, SW, or SP as classified by the Unified Soil Classification System) shall be used adjacent to (24" minimum) and above (for the first 12") the R-Tank system. Material must be free from lumps, debris and any sharp objects that could cut the geotextile. Material shall be within 3 percent of the optimum moisture content as determined by ASTM D698 at the time of installation.

C. Additional Cover Materials: Structural Fill shall consist of granular materials meeting the gradational requirements of SM, SP, SW, GM, GP or GW as classified by the Unified Soil Classification System. Structural fill shall have a maximum of 25 percent passing the No. 200 sieve, shall have a maximum clay content of 10 percent and a maximum Plasticity Index of 4. Material shall be within 3 percent of the optimum moisture content as determined by ASTM D698 at the time of installation.

2.04 Other Materials

A. Utility Marker: Install metallic tape at corners of R-Tank system to mark the area for future utility detection.
- PART 3 - EXECUTION
- 3.01 Assembly of R-Tank Units

A. On-site assembly of tanks shall be performed in accordance with the R-Tank Installation Manual, Section 2.

3.02 Layout and Excavation

A. Installer shall stake out, excavate, and prepare the subgrade area to the required plan grades and dimensions, ensuring that the excavation is at least 2 feet greater than R-Tank dimensions in each direction allowing for installation of geotextile filter fabric, R-Tank modules, and free draining backfill materials.

B. All excavations must be prepared with OSHA approved excavated sides and sufficient working space.

C. Protect partially completed installation against damage from other construction traffic by establishing a perimeter with high visibility construction tape, fencing, barricades, or other means until construction is complete.

D. Base of the excavation shall be uniform, level, and free of lumps or debris and soft or yielding subgrade areas. A minimum 2,000 pounds per square foot bearing capacity is required.

1. Standard Applications: Compact subgrade to a minimum of 95% of Standard Proctor (ASTM D698) density or as required by the Owner's engineer.

2. Infiltration Applications: Subgrade shall be prepared in accordance with the contract documents. Compaction of subgrade should not be performed in infiltration applications.

E. Unsuitable Soils or Conditions: All questions about the base of the excavation shall be directed to the owner's engineer, who will approve the subgrade conditions prior to placement of stone. The owner's engineer shall determine the required bearing capacity of the R-Tank subgrade; however in no case shall a bearing capacity of less than 2,000 pounds per square foot be provided.

1. If unsuitable soils are encountered at the subgrade, or if the subgrade is pumping or appears excessively soft, repair the area in accordance with contract documents and/or as directed by the owner's engineer.

2. If indications of the water table are observed during excavation, the engineer shall be contacted to provide recommendations.

3. Do not start installation of the R-Tank system until unsatisfactory subgrade conditions are corrected and the subgrade conditions are accepted by the owner's engineer.

3.03 Preparation of Base

A. Place a thin layer (3" unless otherwise specified) of bedding material (Section 2.03 A), over the subgrade to establish a level working platform for the R-Tank modules. Level to within ½" (+/- ¼") or as shown on the plans. Native subgrade soils or other materials may be used if determined to meet the requirements of 2.03 A and are accepted by the owner's engineer.

1. Standard Applications: Static roll or otherwise compact bedding materials until they are firm and unyielding.

2. Infiltration Applications: Bedding materials shall be prepared in accordance with the contract documents.

B. Outline the footprint of the R-Tank system on the excavation floor using spray paint or chalk line to ensure a 2' perimeter is available around the R-Tank system for proper installation and compaction of backfill.

3.04 Installation of the R-Tanks

A. Where a geotextile wrap is specified on the stone base, cut strips to length and install in excavation, removing wrinkles so material lays flat. Overlap geotextile a minimum 12" or as recommended by manufacturer.

B. Where an impervious liner (for containment) is specified, install the liner per manufacturer's recommendations and the contract documents. The R-Tank units shall be separated from impervious liner by a non-woven geotextile fabric installed accordance with Section 3.04A.

C. Install R-Tank modules by placing side by side, in accordance with the design drawings. No lateral connections are required. It is advisable to use a string line to form square corners and straight edges along the perimeter of the R-Tank system. The modules are to be oriented as per the design drawing (15.75" x 28.15") with required depth as shown on plans. The large side plate of the tank should be placed on the perimeter of the system. This will typically require that the two ends of the tank area will have a row of tanks placed perpendicular to all other tanks. If this is not shown in the construction drawings, it is a simple field adjustment that will have minimal effect on the overall system footprint. Refer to R-Tank Installation Guide for more details.

D. Wrap the R-Tank top and sides in specified geotextile. Cut strips of geotextile so that it will cover the sides and top, encapsulating the entire system to prevent soil entry into the system. Overlap geotextile 12" or as recommended by manufacturer. Take great care to avoid damage to geotextile (and, if specified, impervious liner) during placement.

E. Identify locations of inlet, outlet and any other penetrations of the geotextile (and optional liner). These connections should be installed flush (buted up to the R-Tank) and the geotextile fabric shall be cut to enable hydraulic continuity between the connections and the R-Tank units. These connections shall be secured using pipe boots with stainless steel pipe clamps. Support pipe in trenches during backfill operations to prevent pipe from settling and damaging the geotextile, impervious liner (if specified) or pipe. Connecting pipes at 90 degree angles facilitates construction, unless otherwise specified. Ensure end of pipe is installed snug against R-Tank system.

F. Install Inspection and Maintenance Ports in locations noted on plans. At a minimum one maintenance port shall be installed within 10' of each inlet & outlet connection, and with a maximum spacing of one maintenance port for every 2,500 square feet. Install all ports as noted in the R-Tank Installation Guide.

G. If required, install ventilation pipes and vents as specified on drawings to provide ventilation for proper hydraulic performance. The number of pipes and vents will depend on the size of the system. Vents are often installed using a 90 degree elbow with PVC pipe into a landscaped area with 'U' bend or venting bollard to inhibit the ingress of debris. A ground level concrete or steel cover can be used.

3.05 Backfilling of the R-Tank Units

A. Backfill and fill with recommended materials as follows:

1. Place freely draining backfill materials (Section 2.03 B) around the perimeter in lifts with a maximum thickness of 12". Each lift shall be placed around the entire perimeter such that each lift is no more than 24" higher than the side backfill along any other location on the perimeter of the R-Tank system. No fill shall be placed over top of tanks until the side backfill has been completed.

2. Each lift shall be compacted at the specified moisture content to a minimum of 95% of the Standard Proctor Density until no further densification is observed (for self-compacting stone materials). The side lifts must be compacted with walk behind compaction equipment. Even when "self-compacting" backfill materials are selected, a walk behind vibratory compactor must be used.

3. Take care to ensure that the compaction process does not allow the machinery to come into contact with the modules due to the potential for damage to the geotextile and R-Tank units.

4. No compaction equipment is permissible to operate directly on the R-Tank modules.

5. Following placement of side backfill, a uniform 12" lift of the freely draining material (Section 2.03 B) shall be placed over the R-Tank and lightly compacted using a walk-behind trench roller. Alternately, a roller (maximum gross vehicle weight of 6 tons) may be used. Roller must remain in static mode until a minimum of 24" of cover has been placed over the modules. Sheep foot rollers should not be used.

6. Install a geogrid (required for traffic applications) over the initial 12" lift of backfill. Geogrid shall extend a minimum of 3 feet beyond the limits of the excavation wall.

7. Following placement and compaction of the initial cover, subsequent lifts of structural fill (Section 2.03 C) shall be placed at the specified moisture content and compacted to a minimum of 95% of the Standard Proctor Density and shall cover the entire footprint of the R-Tank system. During placement of fill above the system, unless otherwise specified, a uniform elevation of fill shall be maintained to within 12" across the footprint of the R-Tank system. Do not exceed maximum cover depths listed in Table 2.01 B.

8. Place additional layers of geotextile and/or geogrid at elevations as specified in the design details. Each layer of geosynthetic reinforcement placed above the R-Tank system shall extend a minimum of 3 feet beyond the limits of the excavation wall.

B. Only low pressure tire or track vehicles shall be operated over the R-Tank system during construction. No machinery should drive on top of the tank until a minimum of 18" of backfill and compaction is achieved. Dump Trucks and Pans shall not be operated within the R-Tank system footprint at any time. Where necessary the heavy equipment should unload in an area adjacent to the R-Tank system and the material should be moved over the system with tracked equipment.

C. Ensure that all unrelated construction traffic is kept away from the limits of excavation until the project is complete and final surface materials are in place. No non-installation related loading should be allowed over the R-Tank system until the final design section has been constructed (including pavement).

D. Place surfacing materials, such as groundcovers (no large trees), or paving materials over the structure with care to avoid displacement of cover fill and damage to surrounding areas.

E. Backfill depth over R-Tank system must be within the limitations shown in the table in Section 2.01 B. If the total backfill depth does not comply with this table, contact engineer or manufacturer's representative for assistance.
- 3.05 Backfilling of the R-Tank Units

A. Backfill and fill with recommended materials as follows:

1. Place freely draining backfill materials (Section 2.03 B) around the perimeter in lifts with a maximum thickness of 12". Each lift shall be placed around the entire perimeter such that each lift is no more than 24" higher than the side backfill along any other location on the perimeter of the R-Tank system. No fill shall be placed over top of tanks until the side backfill has been completed.

2. Each lift shall be compacted at the specified moisture content to a minimum of 95% of the Standard Proctor Density until no further densification is observed (for self-compacting stone materials). The side lifts must be compacted with walk behind compaction equipment. Even when "self-compacting" backfill materials are selected, a walk behind vibratory compactor must be used.

3. Take care to ensure that the compaction process does not allow the machinery to come into contact with the modules due to the potential for damage to the geotextile and R-Tank units.

4. No compaction equipment is permissible to operate directly on the R-Tank modules.

5. Following placement of side backfill, a uniform 12" lift of the freely draining material (Section 2.03 B) shall be placed over the R-Tank and lightly compacted using a walk-behind trench roller. Alternately, a roller (maximum gross vehicle weight of 6 tons) may be used. Roller must remain in static mode until a minimum of 24" of cover has been placed over the modules. Sheep foot rollers should not be used.

6. Install a geogrid (required for traffic applications) over the initial 12" lift of backfill. Geogrid shall extend a minimum of 3 feet beyond the limits of the excavation wall.

7. Following placement and compaction of the initial cover, subsequent lifts of structural fill (Section 2.03 C) shall be placed at the specified moisture content and compacted to a minimum of 95% of the Standard Proctor Density and shall cover the entire footprint of the R-Tank system. During placement of fill above the system, unless otherwise specified, a uniform elevation of fill shall be maintained to within 12" across the footprint of the R-Tank system. Do not exceed maximum cover depths listed in Table 2.01 B.

8. Place additional layers of geotextile and/or geogrid at elevations as specified in the design details. Each layer of geosynthetic reinforcement placed above the R-Tank system shall extend a minimum of 3 feet beyond the limits of the excavation wall.

B. Only low pressure tire or track vehicles shall be operated over the R-Tank system during construction. No machinery should drive on top of the tank until a minimum of 18" of backfill and compaction is achieved. Dump Trucks and Pans shall not be operated within the R-Tank system footprint at any time. Where necessary the heavy equipment should unload in an area adjacent to the R-Tank system and the material should be moved over the system with tracked equipment.

C. Ensure that all unrelated construction traffic is kept away from the limits of excavation until the project is complete and final surface materials are in place. No non-installation related loading should be allowed over the R-Tank system until the final design section has been constructed (including pavement).

D. Place surfacing materials, such as groundcovers (no large trees), or paving materials over the structure with care to avoid displacement of cover fill and damage to surrounding areas.

E. Backfill depth over R-Tank system must be within the limitations shown in the table in Section 2.01 B. If the total backfill depth does not comply with this table, contact engineer or manufacturer's representative for assistance.
- PART 4 - USING THE SYSTEM
- 4.01 Maintenance Requirements

A. A routine maintenance effort is required to ensure proper performance of the R-Tank system. The Maintenance program should be focused on pretreatment systems. Ensuring these structures are clean and functioning properly will reduce the risk of contamination of the R-Tank system and stormwater released from the site. Pre-treatment systems shall be inspected yearly, or as directed by the regulatory agency and by the manufacturer (for proprietary systems).

B. Inspection and/or Maintenance Ports in the R-Tank system will need to be inspected for accumulation of sediments at least quarterly through the first year of operation and at least yearly thereafter. This is done by removing the cap of the port and using a measuring device long enough to reach the bottom of the R-Tank system and stiff enough to push through the loose sediments, allowing a depth measurement.

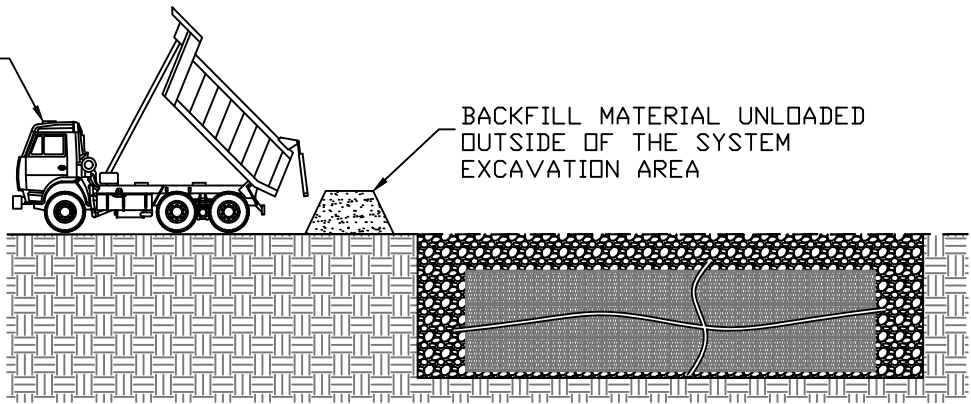
C. If sediment has accumulated to the level noted in the R-Tank Maintenance Guide or beyond a level acceptable to the Owner's engineer, the R-Tank system should be flushed.

D. A flushing event consists of pumping water into the Maintenance Port and/or adjacent structure, allowing the turbulent flows through the R-Tank system to re-suspend the fine sediments. If multiple Maintenance Ports have been installed, water should be pumped into each port to maximize flushing efficiency. Sediment-laden water can be filtered through a Dirtbag or approved equivalent if permitted by the locality.
- HD

TANK

DATE	REVISION
FOR ADDITIONAL INFORMATION PLEASE CONTACT: CONSTRUCTION ECO SERVICES 832-456-1000 www.ecosvs.com	
<div>CONSTRUCTION</div> <div>ECO</div> <div>SERVICES</div>	
- R-TANK SPECIFICATION
- DRAWN BY
- DATE
- 11/19/2018
- SHEET NO.
- 8

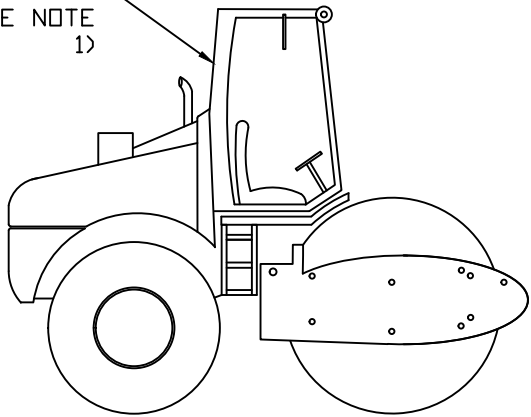
DUMP TRUCKS AND PANS SHALL NOT OPERATE OVER THE SYSTEM EXCAVATION AREA



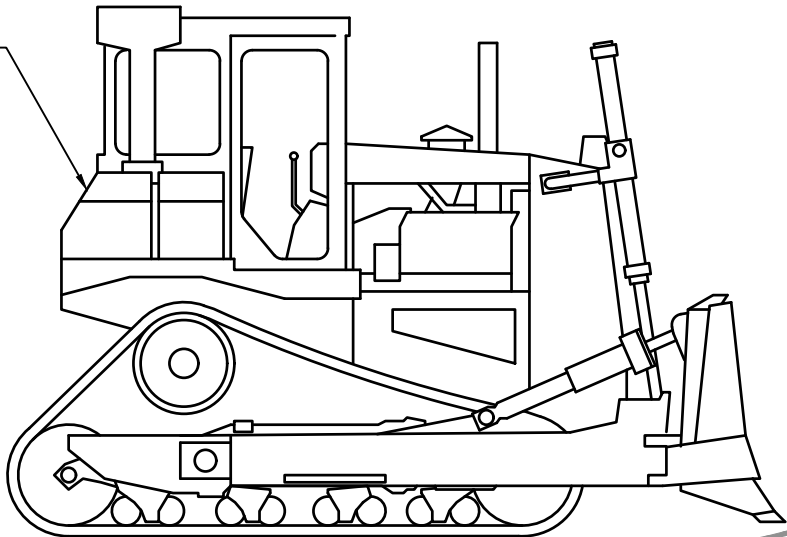
DUMP TRUCK DETAIL (SEE NOTE 3)

- NOTES:
1. FOLLOWING PLACEMENT OF SIDE BACKFILL, A UNIFORM 12" LIFT OF THE FREELY DRAINING MATERIAL (SPEC SECTION 2.03 B) SHALL BE PLACED OVER THE R-TANK AND LIGHTLY COMPACTED USING A WALK-BEHIND TRENCH ROLLER. ALTERNATELY, A ROLLER (MAXIMUM GROSS VEHICLE WEIGHT OF 6 TONS) MAY BE USED. ROLLER MUST REMAIN IN STATIC MODE UNTIL A MINIMUM OF 24" OF COVER HAS BEEN PLACED OVER THE MODULES. SHEEP FOOT ROLLERS SHOULD NOT BE USED. **SPEC SECTION 3.05 A**
 2. ONLY LOW PRESSURE TIRE OR TRACK VEHICLES (LESS THAN 7 PSI AND OPERATING WEIGHT OF LESS THAN 20,000 LBS) SHALL BE OPERATED OVER THE R-TANK SYSTEM DURING CONSTRUCTION. **SPEC SECTION 3.05 B**
 3. DUMP TRUCKS AND PANS SHALL NOT BE OPERATED WITHIN THE R-TANK SYSTEM AT ANY TIME. WHERE NECESSARY, THE HEAVY EQUIPMENT SHOULD UNLOAD IN AN AREA ADJACENT TO THE R-TANK SYSTEM AND THE MATERIAL SHOULD BE MOVED OVER THE SYSTEM WITH TRACKED EQUIPMENT. **SPEC SECTION 3.05 B**
 4. ENSURE THAT ALL UNRELATED CONSTRUCTION TRAFFIC IS KEPT AWAY FROM THE LIMITS OF EXCAVATION UNTIL THE PROJECT IS COMPLETE AND FINAL SURFACE MATERIALS ARE IN PLACE. NO NON-INSTALLATION RELATED LOADING SHOULD BE ALLOWED OVER THE R-TANK SYSTEM UNTIL THE FINAL DESIGN SECTION HAS BEEN CONSTRUCTED (INCLUDING PAVEMENT). **SPEC SECTION 3.05 C**
 5. SEE R-TANK INSTALLATION GUIDE OR CONTACT YOUR LOCAL ACF REPRESENTATIVE FOR ADDITIONAL INFORMATION.

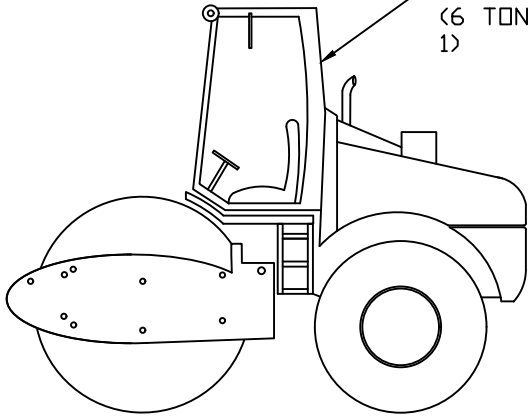
SMOOTH DRUM ROLLER
STATIC MODE
(6 TON MAX, SEE NOTE 1)



LOW GROUND PRESSURE
DOZER
(10 TON MAX, SEE NOTE 2)



SMOOTH DRUM ROLLER
VIBRATORY MODE
(6 TON MAX, SEE NOTE 1)



24" MIN. COVER
(SEE NOTE 1)

GEOGRID
REINFORCEMENT
LAYER (TENSAR
BX-1200 OR
EQUAL)

12" MIN. COVER
(SEE NOTES 1 & 2)

24" MIN.
PERIMETER

3" BASE MIN.

R-TANK^{HD} OR R-TANK^{SD} UNITS
HD: LOAD RATING: 33.4 PSI (MODULE ONLY)
SD: LOAD RATING: 40 PSI (MODULE ONLY)

SUBGRADE / EXCAVATION LINE: COMPACT PER
SPEC SECTION 3.02 D. A BEARING CAPACITY
OF 2,000 PSF MUST BE ACHIEVED PRIOR TO
INSTALLING R-TANK^{HD} OR R-TANK^{SD}



DATE	REVISION

FOR ADDITIONAL INFORMATION PLEASE CONTACT:
CONSTRUCTION ECO SERVICES
832-456-1000
www.ecosvs.com



R-TANK^{HD}/SD CONSTRUCTION EQUIPMENT COVER DETAIL

DRAWN BY

DATE
11/19/2018

SHEET NO.

9

NOT TO SCALE