

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

**AGENDA DATE:** July 30, 2024  
**PUBLIC HEARING DATE:** N/A

**CONTACT PERSON(S) NAME AND PHONE NUMBER:** Yvette Hernandez, P.E., City Engineer, 212-0065

**DISTRICT(S) AFFECTED:** District 4

**STRATEGIC GOAL:** No.7: Enhance and Sustain El Paso's Infrastructure Network

**SUBGOAL:** No. 7.2 Improve competitiveness through infrastructure improvements impacting the quality of life.

**SUBJECT:**

Discussion and action that City Council approve a task order in the amount of \$443,865.47 to International Eagle Enterprises Inc. for the construction of Palomino Laramie Intersection Drainage Improvements.

**BACKGROUND / DISCUSSION:**

The intersection of Palomino Street and Laramie Circle, located in Northeast El Paso, is a new three (3) year old development that is experiencing severe flooding from adverse weather. The project consists of drainage improvements that includes but is not limited to the demolition of existing concrete and the installation of new sidewalk, curb & gutter, rolled curbs, ADA ramps, stem walls, rock walls, flap grate for reinforced concrete pipe (RCP) outlet, and concrete flumes that include steel plates/grates.

**PRIOR COUNCIL ACTION:**

July 10, 2023 City Council approved award to International Eagle Enterprises Inc. for the 2023-0358 Collector and above Street Resurfacing On-Call Contract.

**AMOUNT AND SOURCE OF FUNDING:**

Amount: \$443,865.47  
Funding Source: FY23 Residential Street Resurfacing  
Account: 532 – 2560 – 32120 – 522270– P23STYR4RES

**HAVE ALL AFFECTED DEPARTMENTS BEEN NOTIFIED? X YES \_\_\_ NO**

**PRIMARY DEPARTMENT:** Capital Improvement Department  
**SECONDARY DEPARTMENT:** Streets and Maintenance Department

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

**DEPARTMENT HEAD:**

  
\_\_\_\_\_  
(If Department Head Summary Form is initiated by Purchasing, client department should sign also)

Project Name: Palomino Laramie Intersection Drainage Improvements Date Received: 7/15/2024 ✓

Solicitation Number: 2023-0258 Contractor: INTERNATIONAL EAGLE ENTERPRISES INC.

Change Order Number: One (1) ✓ Date CO was Identified: March 13, 2024

Funding Type: QOL  General Fund  TXDOT  CDBG  FTA  FAA  OTHER: FY23 Residential Street Resurfacing ✓  
 Contingency: Original Budget: \$0.00 Current Remainin Budget: \$0.00 PO No.(s): TBD  
 (See attached Peoplesoft report, funding available) \$4,210,972 budget summary report provided on pg. 21 of this change order

Identified by: DOR  Contractor  User Dept.  CID  Other: City Leadership

Impacts: Cost  ✓ Time\*  ✓ (Check all that Apply)\* Identify Schedule activity impacted, **attach** frag-net justifying time.

**No change order shall be approved unless work is ordered in writing by the Owner Designated Rep**

If written Order provided prior to formal execution of CO **attach** copy of the written directive, and justification, as why the direction was necessary prior to a formal agreement. Attach concurrence of representative havin authority to execute change order(s) for the city of El Paso, Contract Specific by Resolution. If formal RFP was provided to contractor **attach** copy. If E-mail was direction provided to contractor **attach** copy.

**Change order Type Check One:** Mandatory  Discretionary   
 (Mandatory Violets Written code/standard, or will not function for intended purpose) If mandatory **attach** attach justification, Direction from DOR and /or code/ standards references that the CO corrects, or Documentation from User Department Head explaining why the change is required.

Differing site condition:  Engineering Change/Construction Deficiency:   
 User requested change\*\*:  Substitution Contractor Initiated:   
 Designer Directive (ASI):  Error and Omission:   
 Value Engineering Change:  Quantity Adjustment:

\*\* Identify Funding source FY23 Residential Street Resurfacing Grandt Fundend Projects **attach** concurrence of Grant Funded program Director.  
 Justification:

A new three (3) year old residential development, located at the intersection of Palomino Street and Larmie Circle in Northeast El Paso, is exeperiencing severe flooding from adverse weather. The drainage plan design for the new development did not provide sufficient coverage to handle the amount of run-off water caused by adverse weather. In order to prevent severe flooding from occurring for this intersection, change is required to construct Palomino Laramie Intersection Drainage Improvements Project, as per Final Plans dated 05/24/2023. ✓

\*Price & Time:  
 The PM prepared a ROM estimate based on RS Means and existing bid tabs. ROM estimate totaled to \$488,464.38 with ninety (90) calendar days construction duration. The contractor submitted a proposal for \$443,865.47 with ninety (90) calendar days. The PM determined the proposal was reasonable based upon comparison of the contractor's proposal. ✓

**Method Utilized for implementing change** (Reference general conditions 2.5.2) Check all that apply

.1 Unit Bid Prices Previously Approved  (Attach Copy of suporting documents) Contractors proposed cost: \$429,488.34  
 .2 An Agreed upon Lump Sum  Attach record of Negotiations, and cost Analysis) Final Negotiated amount: \$443,865.47 ✓  
 .3 Actual Cost (Force Account Change)  (Attach Detailed record as per 2.2.5.2.3) Time:Requested 90 days, justified X

**Cost/Price/Time Analysis**  
 Attach Copy of analyst justifying cost and quantities

Independent Cost Estimate prepared Yes  No  Validated, Vender Quotes, Published Data, Previously agreed Cost, Other (attach documentation of cost analysis).  
**Contract Change Reference:** Reference Plan /Spec change, Describe Change (Attach additional sheets if necessary)

**Narrative Description of Change SOW**

This Change Order is for the following:

1. Utilize existing bid items, listed below, from Collector and above Street resurfacing On-Call Contract Solicitation No. 2023-0258 for the construction of Palomino Laramie Intersection Drainage Improvements Project, as per Final Plans dated 05/24/2023.

- Line item 23 - Description: Stem Wall, Quantity: 53.5 , Unit: Cubic Feet (CF), Unit Price: \$32.00, for a total of \$1,712.00
- Line item 26 - Description: Curb and Gutter , Quantity: 288 , Unit: Linear Feet (LF), Unit Price: \$20.00, for a total of \$5,760.00
- Line item 27 - Description: 6" Rolled Curb , Quantity: 15 , Unit: Linear Feet (LF), Unit Price: \$22.00, for a total of \$330.00
- Line item 30 - Description: 4" Sidewalk , Quantity: 506 , Unit: Square Feet (SF), Unit Price: \$4.00, for a total of \$2,024.00

2. Incorporate new base bid items, listed below, within the unit price schedule of Collector and above Street resurfacing On-Call Contract Solicitation No. 2023-0258 for the construction of Palomino Laramie Intersection Drainage Improvements Project, as per Final Plans dated 05/24/2023.

- Add Line item 57 - Description: Mobilization, Quantity: 1 , Unit: Each, Unit Price: \$19,800.00, for a total of \$19,800.00
- Add Line item 58 - Description: Barricade Signs and Traffic Control , Quantity: 3 , Unit: Month, Unit Price: \$6,000.00, for a total of \$18,000.00
- Add Line item 59 - Description: Remove Sidewalk , Quantity: 743 , Unit: Square Feet (SF), Unit Price: \$2.25, for a total of \$1,671.75
- Add Line item 60 - Description: Remove Parkway , Quantity: 723 , Unit: Square Feet (SF), Unit Price: \$2.25, for a total of \$1,626.75
- Add Line item 61 - Description: Remove Rockwall , Quantity: 12 , Unit: Linear Feet (LF), Unit Price: \$20.00, for a total of \$240.00
- Add Line item 62 - Description: Remove Concrete Bench , Quantity: 103 , Unit: Square Feet (SF), Unit Price: \$10.00, for a total of \$1,030.00
- Add Line item 63 - Description: Remove Curb and Gutter, Quantity: 298 , Unit: Linear Feet (LF), Unit Price: \$10.00, for a total of \$2,980.00
- Add Line item 64 - Description: Remove HMAC, Quantity: 1260 , Unit: Square Feet (SF), Unit Price: \$0.16, for a total of \$201.60
- Add Line item 65 - Description: Remove Driveway, Quantity: 93.89 , Unit: Square Feet (SF), Unit Price: \$2.25, for a total of \$211.25
- Add Line item 66 - Description: Remove Handicap Ramp, Quantity: 2 , Unit: Each (EA), Unit Price: \$800.00, for a total of \$1,600.00
- Add Line item 67 - Description: Curb Ramp, Quantity: 2 , Unit: Each (EA), Unit Price: \$1,500.00, for a total of \$3,000.00
- Add Line item 68 - Description: Excavation, Quantity: 162.89 , Unit: Cubic Yards (CY), Unit Price: \$35.00, for a total of \$5,701.15
- Add Line item 69 - Description: Rockwall, Quantity: 12 , Unit: Linear Feet (LF), Unit Price: \$262.00, for a total of \$3,144.00
- Add Line item 70 - Description: Flap Gate for RCP Outlet, Quantity: 1 , Unit: Each (EA), Unit Price: \$11,000.00, for a total of \$11,000.00
- Add Line item 71 - Description: Box Culvert, Quantity: 15 , Unit: Linear Feet (LF), Unit Price: \$1,663.74, for a total of \$24,956.14
- Add Line item 72 - Description: Concrete Flume, Quantity: 181 , Unit: Square Feet (SF), Unit Price: \$143.43, for a total of \$25,960.83
- Add Line item 73 - Description: Concrete Flume With Steel Plate, Quantity: 54 , Unit: Square Feet (SF), Unit Price: \$1,396.00, for a total of \$75,384.00
- Add Line item 74 - Description: Concrete Flume With Grate, Quantity: 172 , Unit: Linear Feet (LF), Unit Price: \$1,381.00, for a total of \$237,532.00

Total Change Order Cost: \$443,865.47

Construction duration will be 90 consecutive calendar days from August 19, 2024 , as per Task Order No. PALOMINO

**Unless specifically noted, this Change Order addresses all compensation for time and money, including an all direct and indirect cost associated with the above scope of work.**

**Existing Drawing Reference:**

**Existing Specification Reference:**  
 On-Call Contract Solicitation No. 2023-0258 ; Title 19 - Subdivion Ordinance Design Standards for Construction dated June 03, 2008

**New Drawings/Specifications Reference:**  
 Palomino Laramie Intersection Drainage Improvements Final Plans dated 05/24/2023

Print name Nicholas Gonzalez Date 7/16/2024

Recommended for Approval by City Engineer: Gilbert Guerrero Date: 7/16/24  
 Assistant Director of Capital Improvement

Reviewed by Capital Projects Manager: Alondra Gurrrola Date: 7/16/2024  
 Capital Projects Manager

Nick, check the time being issued on the Change order it shows 60 days but the scope above shows 90 days. Are we doing 60 for substantial and 30 for punchlist?

**Attachment 1, 20 S-2 Documenting Change Order Cost Reasonableness, Sample Summary, Page 1**

**Contract Change Order Documentation Summary and Determination of Cost Reasonableness:**

Contract Name: Palomino Laramie Intersection Drainage Improvements

Solicitation /Project Number: 2023-0258; P23STYR4RES

Change Order Number: One (1)

Prepared By: Nicholas Gonzalez

**RFP:** RFP was not provided by CID. Cost Proposal negotiations were inherited by Streets and Maintenance Department.

In response to an (Select one and entry number and date) **RFP number** \_\_\_ or **Field Directive number** \_\_\_\_\_ dated \_\_\_\_ (Attach Copy).

**Initial Cost Estimate:**

Check all that apply:

No initial estimate of the change order costs was attempted. (Attach Justification countersigned by assigned DM)

A ROM Estimate in the amount of \$488,464.38 was prepared on Date 06/28/2024 attach copy.

A Detailed Estimate in the amount of \$ \_\_\_\_\_ was prepared on Date \_\_\_\_\_ attach copy.

**Contractors Proposal:**

The contractor provided a proposal Dated May 30, 2024 (attach copy) in the amount of \$429, 488.34 requesting 90 Calendar/Working days.

The proposal was reviewed as to the required Scope of work and found to accurately reflect the Scope of Work **Yes** \_\_\_ **No** X.

The contractor provided a revised proposal Dated July 15, 2024 (attach copy) in the amount of \$443, 865.47 requesting 90 Calendar/Working days.

The proposal was reviewed as to the required Scope of work and found to accurately reflect the Scope of Work **Yes** X **No** \_\_\_.

## Attachment 1, 20 S-2 Documenting Change Order Cost Reasonableness, Sample Summary, Page 2

**Cost evaluation:** Cost reasonableness was determined using the following methods check all that apply.

Utilizing existing Bid Item

Price Analysis

Cost Analysis

(Provide narrative description for each method utilized and how reasonableness was determined)

Attach mark up a proposal with negotiation objectives, including accepted cost, Dated and initialed by the Preparer and Assigned Division Manager. Label Marked UP Proposal:

Narrative description of determination of reasonableness: (Attach Continuation sheets as necessary, include detailed table showing Proposed/Objective /and Negotiated when appropriate. (Sample included)

Narrative:

1. On June 20, 2024, a meeting was held between Capital Improvement Department (CID) and Streets and Maintenance Department (SAM) to discuss the transfer of the project to CID and project details. Initial Cost Proposal for a total of \$429,488.34 from International Eagle Enterprises Inc. was provided to CID by SAM.
2. CID PM reviewed the initial cost proposal and provided comments to International Eagle Enterprises Inc. on June 25, 2024. CID PM identified discrepancies on the quantities, based on the quantities noted and measured on the final plans.
3. Contractor provided revised cost proposal on July 15, 2024 for a total of \$443,865.47 requesting 90 calendar days.
4. CID PM evaluated Contractor's cost proposal by using a ROM estimate for a total of \$488,464.38 with a three (3) month construction duration.
5. The PM determined the proposal was reasonable based upon comparison of the contractor's proposal.

# CITY OF EL PASO CONSTRUCTION CHANGE ORDER

<b>CONSTRUCTION CHANGE ORDER NO.:</b> <u>1</u>	<b>DATE:</b> <u>July 16, 2024</u>	<input type="checkbox"/>	<b>SCOPE CHANGE</b>
<b>PROJECT:</b> <u>Palomino Laramie Intersection Drainage Improvements</u>	<b>SOLICITATION NO.:</b> <u>2023-0258</u>	<input checked="" type="checkbox"/>	<b>CONSTRUCTION CHANGE</b>

Original Contract Amount: \$ <u>-</u>	Contract Time to Substantial Completion <u>90</u>
Net Change by previous Change Orders: <u>-</u>	Total days added due to Change Orders and CQN's <u>0</u>
Net Change by previous Construction Quantity Notices: \$ <u>-</u>	Total days added for this Change Order <u>0</u>
Amount of this Construction Change Order: \$ <u>443,865.47</u>	New Contract Time to Substantial Completion: <u>90</u>
New Amended Contract Amount: \$ <u>443,865.47</u>	Current Substantial Completion Due Date <u>11/17/2024</u>
Change Order Percentage: <u>-</u>	

<b>CONTRACTOR NAME:</b> <u>International Eagle Enterprises, Inc.</u>	<u>FY23 Residential Street Resurfacing</u>
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**Please provide a detailed scope of work of the change order (see back for reason/justification):**

This change is for the following:

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Total Change Order Cost: \$443,865.47

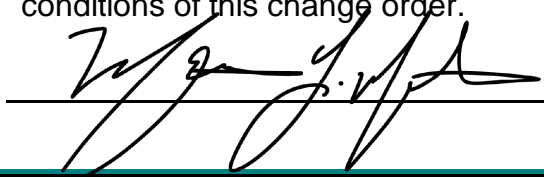
Construction duration will be 90 consecutive calendar days from August 19, 2024 , as per Task Order No. PALOMINO

**Unless specifically noted, this Change Order addresses all compensation for time and money, including an all direct and indirect cost associated with the above scope of work.**

<b>CONSECUTIVE CALENDAR DAYS ADDED TO COMPLETION TIME:</b> <u>-</u>	<b>TOTAL CHANGE ORDER AMOUNT:</b> \$ <u>443,865.47</u>
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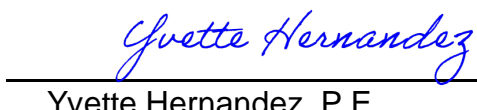
**CONTRACTOR:**

I, Marcos Molina, of International Eagle Enterprises Inc. agree and accept the terms and conditions of this change order.

Signature:  Date: 7/18/2024

**CITY OF EL PASO (OWNER)**

I, Yvette Hernandez, P.E. of the City of El Paso hereby authorize and direct the Contractor to proceed with additional work as described in this form.

Signature:  Date: 7/18/24

Yvette Hernandez, P.E.

# CITY OF EL PASO CONSTRUCTION CHANGE ORDER- Pg. 2

CONSTRUCTION CHANGE ORDER NO.: 1 DATE: July 16, 2024  SCOPE CHANGE  
PROJECT: Palomino Laramie Intersection Drainage Improvements SOLICITATION # 2023-0258  CONSTRUCTION CHANGE  
Purchase Order No. TBD

AS A RESULT OF THIS CHANGE ORDER, PLEASE MAKE THE FOLLOWING ADJUSTMENT TO THE PURCHASE ORDER:


TOTAL NET CHANGE TO

\_\_\_\_\_  
(should match cost below)

Additional funding/direction:

**Reason/Justification for change order:**

A new three (3) year old residential development, located at the intersection of Palomino Street and Larmie Circle in Northeast El Paso, is experiencing severe flooding from adverse weather. The drainage plan design for the new development did not provide sufficient coverage to handle the amount of run-off water caused by adverse weather. In order to prevent severe flooding from occurring for this intersection, change is required to construct Palomino Laramie Intersection Drainage Improvements Project, as per Final Plans dated 05/24/2023.

**\*Price & Time:** The PM prepared a ROM estimate based on RS Means and existing bid tabs. ROM estimate totaled to \$488,464.38 with ninety (90) calendar days construction duration. The contractor submitted a proposal for \$443,865.47 with ninety (90) calendar days. The PM determined the proposal was reasonable based upon comparison of the contractor's proposal.

Project Manager recommends approval: *Nicholas Gonzalez* 07/16/2024

Capital Projects Manager recommends approval: *Alondra Jurrola* 7/16/2024



Initial Cost Proposal dated 05/30/2024

*May 30, 2024*

OWNER:  
Capital Improvements  
City Of El Paso  
218 N. Campbell St.  
915-212-0065

**SOLICITATION No.:** 2023-0258  
**PROJECT:** Collector and Above Street Resurfacing 2023  
**COUNTY:** El Paso  
**ATTN:** Mr. Antonio Bustillos

**RE:** Proposal for Palomino Laramine Intersection Drainage Improvements

Dear Mr. Bustillos  
See proposal below for the entire work items found in the plans and specifications provided on 3/13/2024 .This work will require 3 months of additional time from the Starting day of this project and we are ready to proceed with this work per your directive as soon as June 3 2024 Pending Permits. Please note any unforeseen work is not included in this proposal.

Should you require additional information, please do not hesitate to contact us.

Sincerely

Marcos Molina



Initial Cost Proposal dated 05/30/2024

Proposal Break Down

DESCRIPTION	UOM	QTY	PRICE	TOTAL
MOBILIZATION	EA	1	\$ 19,800.00	\$ 19,800.00
BARRICADE, SIGNS AND TRAFFIC CONTROL	MO	3	\$ 6,000.00	\$ 18,000.00
REMOVE SIDEWALK	SF	605	\$ 2.25	\$ 1,361.25
REMOVE PARKWAY	SF	723	\$ 2.25	\$ 1,626.75
REMOVE ROCKWALL	LF	12	\$ 20.00	\$ 240.00
REMOVE CONC BENCH	SF	103	\$ 10.00	\$ 1,030.00
REMOVE CURB AND GUTTER	LF	298	\$ 10.00	\$ 2,980.00
REMOVE HMAC	SF	954	\$ 0.16	\$ 152.64
REMOVE DRIVEWAY	SF	158	\$ 2.25	\$ 355.50
REMOVE HANDICAP RAMP	EA	2	\$ 800.00	\$ 1,600.00
SIDEWALK	SF	506	\$ 4.00	\$ 2,024.00
CURB AND GUTTER	LF	288	\$ 20.00	\$ 5,760.00
6 IN ROLLED CURB	LF	15	\$ 22.00	\$ 330.00
CURB RAMP	EA	2	\$ 1,500.00	\$ 3,000.00
12 IN STEM WALL	CF	71.69	\$ 32.00	\$ 2,294.08
EXCAVATION	CY	162.89	\$ 35.00	\$ 5,701.15
ROCKWALL	LF	12	\$ 262.00	\$ 3,144.00
FLAP GATE FOR RCP OUTLET	EA	1	\$ 11,000.00	\$ 11,000.00
BOX CULVERT	LF	15	\$ 1,663.74	\$ 24,956.14
CONC FLUME	SF	181	\$ 143.43	\$ 25,960.83
CONC FLUME W STEEL PLATE	SF	54	\$ 1,330.00	\$ 71,820.00
CONC FLUME W GRATE	LF	172	\$ 1,316.00	\$ 226,352.00
				\$ 429,488.34





*July 15, 2024*

OWNER:  
Capital Improvements  
City Of El Paso  
218 N. Campbell St.  
915-212-0065

**SOLICITATION No.:** 2023-0258  
**PROJECT:** Collector and Above Street Resurfacing 2023  
**COUNTY:** El Paso  
**ATTN:** Mr. Antonio Bustillos

**RE:** Proposal for Palomino Laramine Intersection Drainage Improvements

Dear Mr. Bustillos  
See proposal below for the entire work items found in the plans and specifications provided on 3/13/2024 .This work will require 3 months of additional time from the Starting day of this project and we are ready to proceed with this work per your directive as soon as August 19, 2024 Pending Permits. Please note any unforeseen work is not included in this proposal.

Should you require additional information, please do not hesitate to contact us.

Sincerely

A handwritten signature in black ink, appearing to read 'Marcos Molina', written in a cursive style.

Marcos Molina



Proposal Break Down

DESCRIPTION	UOM	QTY	PRICE	TOTAL
MOBILIZATION	EA	1	\$ 19,800.00	\$ 19,800.00
BARRICADE, SIGNS AND TRAFFIC CONTROL	MO	3	\$ 6,000.00	\$ 18,000.00
REMOVE SIDEWALK	SF	743	\$ 2.25	\$ 1,671.75
REMOVE PARKWAY	SF	723	\$ 2.25	\$ 1,626.75
REMOVE ROCKWALL	LF	12	\$ 20.00	\$ 240.00
REMOVE CONC BENCH	SF	103	\$ 10.00	\$ 1,030.00
REMOVE CURB AND GUTTER	LF	298	\$ 10.00	\$ 2,980.00
REMOVE HMAC	SF	1260	\$ 0.16	\$ 201.60
REMOVE DRIVEWAY	SF	93.89	\$ 2.25	\$ 211.25
REMOVE HANDICAP RAMP	EA	2	\$ 800.00	\$ 1,600.00
SIDEWALK	SF	506	\$ 4.00	\$ 2,024.00
CURB AND GUTTER	LF	288	\$ 20.00	\$ 5,760.00
6 IN ROLLED CURB	LF	15	\$ 22.00	\$ 330.00
CURB RAMP	EA	2	\$ 1,500.00	\$ 3,000.00
12 IN STEM WALL	CF	53.5	\$ 32.00	\$ 1,712.00
EXCAVATION	CY	162.89	\$ 35.00	\$ 5,701.15
ROCKWALL	LF	12	\$ 262.00	\$ 3,144.00
FLAP GATE FOR RCP OUTLET	EA	1	\$ 11,000.00	\$ 11,000.00
BOX CULVERT	LF	15	\$ 1,663.74	\$ 24,956.14
CONC FLUME	SF	181	\$ 143.43	\$ 25,960.83
CONC FLUME W STEEL PLATE	SF	54	\$ 1,396.00	\$ 75,384.00
CONC FLUME W GRATE	LF	172	\$ 1,381.00	\$ 237,532.00
				\$ 443,865.47

## Gonzalez, Nicholas

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**From:** Gonzalez, Nicholas  
**Sent:** Wednesday, July 17, 2024 9:45 AM  
**To:** Marcos Molina  
**Cc:** Gurrola, Alondra K.; Hernandez, Yvette M.; Garcia, Daniel; Corral; Bustillos, Antonio  
**Subject:** RE: Palomino Laramine Intersection Drainage Improvements - Cost Proposal  
**Attachments:** Palomino - Task Order (CO) #1\_\$443,865.47 (Contractor Signature Req.).pdf

Good Morning Marcos,

Thank you for confirming that it will be 90 consecutive calendar days for substantial completion, and 30 consecutive calendar days for final completion.

Please find attached the change order for Palomino Laramie Intersection Drainage Improvements. May you please review, receive owner's or owner's representative signature, and return by no later than 10:00AM today, July 17, 2024. Please let me know if you have any questions.

Thank you,



### Nicholas Gonzalez

Capital Improvement Project Manager  
Capital Improvement Department  
218 N. Campbell St., Second Floor | El Paso, TX 79901  
[gonzalezNX@elpasotexas.gov](mailto:gonzalezNX@elpasotexas.gov) | 915-216-4287

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**From:** Marcos Molina <marcos@eagle.construction>  
**Sent:** Wednesday, July 17, 2024 9:16 AM  
**To:** Gonzalez, Nicholas <GonzalezNX@elpasotexas.gov>  
**Cc:** Gurrola, Alondra K. <GurrolaAK@elpasotexas.gov>; Hernandez, Yvette M. <HernandezYM@elpasotexas.gov>; Garcia, Daniel <GarciaDX2@elpasotexas.gov>; Corral <corral@eagle.construction>; Bustillos, Antonio <BustillosAX@elpasotexas.gov>  
**Subject:** Re: Palomino Laramine Intersection Drainage Improvements - Cost Proposal

**CAUTION:** This email originated from outside of the City of El Paso. Do not click links or open attachments unless you recognize the sender and know the content is safe. If suspicious, use **Phish Alert** or forward to [SpamReport@elpasotexas.gov](mailto:SpamReport@elpasotexas.gov).

Per our proposal we are requesting 3 months of substantial completion and 30 days to final Nicholas.

Marcos Molina  
General Manager  
International Eagle Enterprises  
915-345-6790  
[Marcos@eagle.construction](mailto:Marcos@eagle.construction)

On Jul 17, 2024, at 9:00 AM, Gonzalez, Nicholas <[GonzalezNX@elpasotexas.gov](mailto:GonzalezNX@elpasotexas.gov)> wrote:

## RECORD OF NEGOTIATION

DATE: 7/15/2024 PROJECT MANAGER: Nicholas Gonzalez  
PROJECT: Palomino Laramie Intersection Drainage Improvements

### SCOPE OF WORK:

This change order is to use the SAM on-call contract - Solicitation No. 2023-0258 for the construction of Palomino Laramie Intersection Drainage Improvements, as per final plans dated 05/24/2023.

**NEGOTIATION OBJECTIVE:** Construction budget allocated \$500,000.00 Objective is to value engineer items to reach goal.

Contractor's 1st offer	\$429,488.34	Date Submitted	6/25/2024
PM identified discrepancies on quantities, based on quantities noted/measured on final plans		Date	6/25/2024
Contractor's 2nd offer	\$ 443,865.47	Date Submitted	7/15/2024
Agreed amount by both parties	\$443,865.47	Agreement Date:	7/15/2024

Project Manager Signature: Nicholas Gonzalez

# Task Order



# Streets and Maintenance

**MAYOR**  
Oscar Leeser

July 16, 2024

**CITY COUNCIL**

**District 1**  
Brian Kennedy

**District 2**  
Dr. Josh Acevedo

**District 3**  
Cassandra Hernandez

**District 4**  
Joe Molinar

**District 5**  
Isabel Salcido

**District 6**  
Art Fierro

**District 7**  
Henry Rivera

**District 8**  
Chris Canales

Alfredo Corral, President  
International Eagle Enterprises Inc.  
1458 Lomaland Dr.  
El Paso, TX 79935

Collectors and Above Street Resurfacing Solicitation No. 2023-0258

Project Site: Intersection of Palomino Street and Laramie Circle, El Paso, Texas 79924  
Task Order: No. PALOMINO - Concrete and Drainage Improvements  
Funding Source: FY23 Residential Street Resurfacing

Please consider this as your official notice to start with the performance of work on the subject project site as referenced. The Contractor is reminded that they are to proceed in accordance with the requirements of the Contract and project documents, including, but not limited to obtaining Traffic Control Plan(s) and utility line spotting prior to beginning actual field activities at the site(s).

The inspector for this project is Steven Flores, and may be contacted at (915) 255-7056. Coordinate construction activities and schedule inspections with him at least 48 hours in advance.

The Task Order will be for consecutive ninety (90) calendar days starting on August 19, 2024.

**INTERIM CITY  
MANAGER**  
Cary Westin

*Antonio Bustillos*

For \_\_\_\_\_  
Tony Bustillos  
Construction Superintendent

Receipt Acknowledge:

By: Marcos Molina \_\_\_\_\_

Title General Manager \_\_\_\_\_

Date 7-16-2024 \_\_\_\_\_

Inspector Final Acceptance

By: \_\_\_\_\_

Date \_\_\_\_\_

Contractor Final Acceptance:

By: \_\_\_\_\_

Date: \_\_\_\_\_

**Richard Bristol – Director**  
Streets and Maintenance | MSC, 7968 San Paulo | El Paso, TX 79907  
O: (915) 212-7015 | Email: BristolRX@elpasotexas.gov



# ROM Estimate Established by CID PM

## PALOMINO LARAMIE INTERSECTION DRAINAGE IMPROVEMENTS

References: 2023-0258 On-Call (SAM) ; 2022-0403 Bid Tab ; 38th annual addition 2024 Heavy Construction Costs RS Means ; TIRZ #23-119 bid proposal ; 2022-0306 Bid Tab

ROM ESTIMATE					
Reference	Description	Quantity	Unit	Unit Price	Total
2022-0403 Bid Tab	Mobilization (5% of total)	1	LS	\$ 28,936.00	\$ 19,448.34
2022-0403 Bid Tab	Barricade, signs, and traffic control	3	MO	\$ 10,417.00	\$ 31,251.00
TIRZ #23-119 bid proposal	remove sidewalk	82.5	SY	\$ 19.18	\$ 1,582.35
TIRZ #23-119 bid proposal	remove parkway	80.3	SY	\$ 19.18	\$ 1,540.15
2022-0306 Bid proposal	remove rockwall	2	Perch	\$ 38.00	\$ 76.00
02 41 13.17 (RS means)	remove concrete bench	3.88	CY	\$ 147.00	\$ 570.36
TIRZ #23-119 bid proposal	remove curb and gutter	300	LF	\$ 6.06	\$ 1,818.00
2022-0403 Bid Tab	remove HMAC	140	SY	\$ 4.20	\$ 588.00
TIRZ #23-119 bid proposal	remove driveway	11.1	SY	\$ 29.01	\$ 322.01
TIRZ #23-119 bid proposal	remove handicap ramp	29	SY	\$ 55.68	\$ 1,614.72
2023-0258 On-Call Contract	4-INCH sidewalk	506	SF	\$ 4.00	\$ 2,024.00
2023-0258 On-Call Contract	curb and gutter	288	LF	\$ 20.00	\$ 5,760.00
2023-0258 On-Call Contract	6IN rolled curb	15	LF	\$ 22.00	\$ 330.00
TIRZ #23-119 bid proposal	curb ramp	2	EA	\$ 1,825.96	\$ 3,651.92
2023-0258 On-Call Contract	12-INCH stem wall	53.5	CF	\$ 32.00	\$ 1,712.00
TIRZ #23-119 bid proposal	excavation	163	CY	\$ 43.03	\$ 7,013.89
32 32 53.10 (RS means)	rockwall	66	SF	\$ 151.00	\$ 9,966.00
35 22 66 Flap Grates (RS Means)	flap gate for RCP outlet (48")	1	EA	\$ 11,500.00	\$ 11,500.00
2022-0403 Bid Tab	Box Culvert	15	LF	\$ 1,608.00	\$ 24,120.00
2022-0403 Bid Tab	Concrete flume	20.11	SY	\$ 139.00	\$ 2,795.29
2022-0403 Bid Tab	Concrete flume with steel plate	11	EA	\$ 6,945.00	\$ 76,395.00
05 53 13.70 (RS Means)	Concrete flume with grate	1032	SF	\$ 198.00	\$ 204,336.00
				Sub-total	\$ 408,415.04
				4% inflation	\$ 16,336.60
				15% OH&P	\$ 63,712.75
				<b>Total</b>	<b>\$ 488,464.38</b>

## ROM Estimate Established by CID PM

### BASE BID - UNIT PRICE SCHEDULE:

Item No.	Estimated Quantity	Unit	Brief Description of Item	Unit Bid Price (In figures) Use 2 decimals Do Not Round	Total Amount (Quantity x Unit Price) (In Figures) Use 2 decimals Do Not Round
1.	10	MO	SWPPP Measures - Installation & Maintenance	\$ <u>2,000.00</u>	\$ <u>20,000.00</u>
2.	1,262	CY	Remove and dispose of Asphalt Paving/Base Course as per plans includes haul	\$ <u>25.00</u>	\$ <u>31,550.00</u>
3.	1,550	LF	Remove & dispose of concrete Curb and Gutter, as per plans includes haul	\$ <u>3.50</u>	\$ <u>5,425.00</u>
4.	1,490	SY	Remove & dispose of 4-5 ft concrete sidewalks as per plans includes haul	\$ <u>22.50</u>	\$ <u>33,525.00</u>
5.	15	SY	Remove & dispose of concrete driveway as per plans includes haul	\$ <u>58.50</u>	\$ <u>877.50</u>
6.	6	EA	Remove, Salvage and replace exist reflect. signs as per plans includes storage as necessary	\$ <u>650.00</u>	\$ <u>3,900.00</u>
7.	398	Perch	Remove and dispose of existing rockwall as per plans includes haul	\$ <u>38.00</u>	\$ <u>15,124.00</u>
8.	1,283	CY	Over-excavation (cut and remove) subgrade as per plans includes haul	\$ <u>16.50</u>	\$ <u>21,169.50</u>
9.	1,280	CY	Placement of fill material for subgrade as per plans complete in place includes haul	\$ <u>18.50</u>	\$ <u>23,680.00</u>
10.	150	CY	Mill and Overlay 2 inches as per plans complete in place includes haul	\$ <u>235.00</u>	\$ <u>35,250.00</u>
11.	1,550	LF	Furnish & Install 6' concrete Curb and Gutter as per plans complete in place	\$ <u>16.00</u>	\$ <u>24,800.00</u>

COMPANY NAME: Allen Concrete, LLC

BIDDER'S SIGNATURE: 

PRINT NAME: Miguel Allen

Bid - Ted Houghton Street Reconstruction  
Solicitation No. 2022-0306

# ROM Estimate Established by CID PM

## BASE BID I - UNIT PRICE SCHEDULE: CIVIL AND DRAINAGE IMPROVEMENTS

Item No.	Estimated Quantity	Unit	Brief Description of Item	Unit Bid Price (In figures) Use 2 decimals Do Not Round	Total Amount (Quantity x Unit Price) (In Figures) Use 2 decimals Do Not Round
1.	1	LS	EARTHWORK OPERATIONS AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$130,967.00</u>	<u>\$130,967.00</u>
2.	3,805	SY	REMOVAL AND DISPOSAL OF EXISTING CONCRETE AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 16.00</u>	<u>\$ 60,880.00</u>
3.	8,900	SY	REMOVAL AND DISPOSAL OF EXISTING ASPHALT PAVEMENT AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 4.20</u>	<u>\$ 37,380.00</u>
4.	600	SY	REMOVAL AND DISPOSAL OF EXISTING LANDSCAPE AREAS AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 12.00</u>	<u>\$ 7,200.00</u>
5.	33	SY	REMOVAL AND SALVAGE OF EXISTING ROCK MULCH AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 27.40</u>	<u>\$ 904.20</u>
6.	4,285	LF	REMOVAL AND DISPOSAL OF EXISTING CURB AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 5.60</u>	<u>\$ 23,996.00</u>
7.	55	LF	REMOVAL AND DISPOSAL OF EXISTING GUARDRAIL AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 29.20</u>	<u>\$ 1,606.00</u>
8.	66	LF	REMOVAL AND DISPOSAL OF EXISTING 18- IN RCP AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 38.90</u>	<u>\$ 2,567.40</u>
9.	66	LF	REMOVAL AND DISPOSAL OF EXISTING 48- IN RCP AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 41.90</u>	<u>\$ 2,765.40</u>
10.	1	EA	REMOVAL AND DISPOSAL OF EXISTING JUNCTION BOX AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 1,875.00</u>	<u>\$ 1,875.00</u>
11.	7	EA	REMOVAL AND DISPOSAL OF EXISTING INLET AS SHOWN ON CONSTRUCTION DOCUMENTS	<u>\$ 1,181.00</u>	<u>\$ 8,267.00</u>

COMPANY NAME: ZTEX Construction, Inc.

OFFEROR'S SIGNATURE: \_\_\_\_\_

PRINT NAME: Joaquin Royo

Negotiated Pricing

Proposal – Padilla Street Reconstruction  
Solicitation No. 2022-0403

I-C-a-2

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## ROM Estimate Established by CID PM

Item No.	Estimated Quantity	Unit	Brief Description of Item	Unit Bid Price (In figures) Use 2 decimals Do Not Round	Total Amount (Quantity x Unit Price) (In Figures) Use 2 decimals Do Not Round
44.	289	EA	FURNISH AND INSTALL SHRUBS (5-GALLON) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>50.00</u>	\$ <u>14,450.00</u>
45.	1	LS	FURNISH AND INSTALL IRRIGATION SYSTEM AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>112,500.00</u>	\$ <u>112,500.00</u>
46.	378	SF	FURNISH AND INSTALL ROCK MULCH TO MATCH EXISTING (ZARAGOZA) (3-INCH DEPTH; WEED FABRIC) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>6.30</u>	\$ <u>2,381.40</u>
47.	6	EA	ADJUSTMENT OF EXISTING STORM MANHOLE RING AND COVER AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>1,598.00</u>	\$ <u>9,588.00</u>
48.	68	SY	FURNISH AND INSTALL 6-INCH THICK REINFORCED CONCRETE FLUME AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>139.00</u>	\$ <u>9,452.00</u>
49.	1	EA	FURNISH AND INSTALL 2.5-FOOT DIAMOND PLATE COVERED FLUME STRUCTURE AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>5,556.00</u>	\$ <u>5,556.00</u>
50.	1	EA	FURNISH AND INSTALL 5-FOOT DIAMOND PLATE COVERED FLUME STRUCTURE AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>6,945.00</u>	\$ <u>6,945.00</u>
51.	75	LF	FURNISH AND INSTALL 18-INCH DIAMETER REINFORCED CONCRETE PIPE (CLASS III; DEPTH: 5' - 10') AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>130.00</u>	\$ <u>9,750.00</u>
52.	14	LF	FURNISH AND INSTALL 24-INCH DIAMETER REINFORCED CONCRETE PIPE (CLASS III; DEPTH: 5' - 10') AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>239.00</u>	\$ <u>3,346.00</u>
53.	16	LF	FURNISH AND INSTALL 72-INCH DIAMETER REINFORCED CONCRETE PIPE (CLASS III; DEPTH: 5' - 10') (INCLUDING CEMENT STABILIZATION) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>703.00</u>	\$ <u>11,248.00</u>

COMPANY NAME: ZTEX Construction, Inc.

OFFEROR'S SIGNATURE: \_\_\_\_\_

PRINT NAME: Joaquin Royo

Negotiated Pricing

Proposal – Padilla Street Reconstruction  
Solicitation No. 2022-0403

I-C-a-6

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## ROM Estimate Established by CID PM

Item No.	Estimated Quantity	Unit	Brief Description of Item	Unit Bid Price (In figures) Use 2 decimals Do Not Round	Total Amount (Quantity x Unit Price) (In Figures) Use 2 decimals Do Not Round
64.	1	LS	PLAYA DRAIN RESHAPING/REGRAIDING AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>9,028.00</u>	\$ <u>9,028.00</u>
65.	1	LS	PRESSURE WASHING OF EXISTING STORM SYSTEM AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>48,445.00</u>	\$ <u>48,445.00</u>
66.	1	EA	REMOVAL AND DISPOSAL OF EXISTING IRRIGATION HEADWALL STRUCTURE AT JORNADO LATERAL (SOUTH) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>4,862.00</u>	\$ <u>4,862.00</u>
67.	145	LF	REMOVAL AND DISPOSAL OF EXISTING CHAINLINK FENCE (NORTH AND SOUTH) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>14.00</u>	\$ <u>2,030.00</u>
68.	35	LF	FURNISH AND INSTALL 7-FT X 5.5-FT REINFORCED CONCRETE BOX CULVERT AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>1,608.00</u>	\$ <u>56,280.00</u>
69.	1	EA	FURNISH AND INSTALL REINFORCED CONCRETE HEADWALL AND WINGWALL STRUCTURE AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>17,362.00</u>	\$ <u>17,362.00</u>
70.	1	EA	FURNISH AND INSTALL REINFORCED CONCRETE COLLAR AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>4,167.00</u>	\$ <u>4,167.00</u>
71.	160	LF	FURNISH AND INSTALL 6-FOOT CHAINLINK FENCE FOR HEADWALL (NORTH AND SOUTH) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>63.00</u>	\$ <u>10,080.00</u>
72.	2	EA	FURNISH AND INSTALL 6-FOOT CHAINLINK GATE (8' WIDE) FOR HEADWALL AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>3,473.00</u>	\$ <u>6,946.00</u>
73.	1	LS	JORNADO LATERAL CHANNEL RESHAPING/REGRAIDING AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>5,556.00</u>	\$ <u>5,556.00</u>

COMPANY NAME: ZTEX Construction, Inc.

OFFEROR'S SIGNATURE: \_\_\_\_\_

PRINT NAME: Joaquin Royo

**Negotiated Pricing**

Proposal – Padilla Street Reconstruction  
Solicitation No. 2022-0403

I-C-a-8

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## ROM Estimate Established by CID PM

Item No.	Estimated Quantity	Unit	Brief Description of Item	Unit Bid Price (In figures) Use 2 decimals Do Not Round	Total Amount (Quantity x Unit Price) (In Figures) Use 2 decimals Do Not Round
74.	17	EA	REPLACE AND RE-CONNECT 4-INCH SANITARY SEWER LATERALS AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>209.00</u>	\$ <u>3,553.00</u>
75.	7	MO	PROVIDE TRAFFIC AND PEDESTRIAN CONTROL BARRICADES (FOR THE DURATION OF CONSTRUCTION) AS SHOWN ON CONSTRUCTION DOCUMENTS	\$ <u>10,417.00</u>	\$ <u>72,919.00</u>
76.	7	MO	IMPLEMENT STORM WATER POLLUTION PREVENTION BEST MANAGEMENT PRACTICES INCLUDING: FURNISH AND INSTALL SILT FENCE, CONSTRUCTION ENTRANCE/EXITS AND REMOVAL AND PROPER DISPOSAL OF SILT FENCE AND CONSTRUCTION ENTRANCES/EXITS AFTER COMPLETION OF WORK.	\$ <u>6,802.00</u>	\$ <u>47,614.00</u>
77.	Left Blank Intentionally				
Sum Total Base Bid I (Items 1-76)					\$ <u>1,904,859.40</u>
Mobilization (Not to exceed 5% of Base Bid)					\$ <u>75,635.00</u>
Sum Total Base Bid I plus Mobilization					\$ <u>1,980,494.40</u>

COMPANY NAME: ZTEX Construction, Inc.

OFFEROR'S SIGNATURE: \_\_\_\_\_

PRINT NAME: Joaquin Royo

Negotiated Pricing

Proposal – Padilla Street Reconstruction  
Solicitation No. 2022-0403

I-C-a-9

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# ROM Estimate Established by CID PM

Item No.	Estimated Quantity	Unit	Line Item Name	DO NOT LEAVE BLANK Unit Price	DO NOT ROUND Total Amount (Quantity X Unit Price)
20	200	Each (EA)	TYPE C GROUND BOX	\$ <u>700.00</u>	\$ <u>140,000.00</u>
21	20	Each (EA)	CONCRETE MOBILIZATION	\$ <u>1,000.00</u>	\$ <u>20,000.00</u>
22	100	Each (EA)	RELOCATION AND INSTALLATION OF STREET NAME / STOP SIGNS	\$ <u>1,000.00</u>	\$ <u>100,000.00</u>
23	1,600	Cubic Foot (CF)	<b>STEM WALL</b>	\$ <u>32.00</u>	\$ <u>51,200.00</u>
24	3,000	Linear Foot (LF)	STANDARD CURB	\$ <u>20.00</u>	\$ <u>60,000.00</u>
25	1,000	Linear Foot (LF)	TxDOT PINNED CURB	\$ <u>25.00</u>	\$ <u>25,000.00</u>
26	20,000	Linear Foot (LF)	<b>CURB AND GUTTER</b>	\$ <u>20.00</u>	\$ <u>400,000.00</u>
27	2,000	Linear Foot (LF)	<b>6" ROLLED CURB</b>	\$ <u>22.00</u>	\$ <u>44,000.00</u>
28	2,000	Linear Foot (LF)	4" ROLLED CURB	\$ <u>22.00</u>	\$ <u>44,000.00</u>
29	2,000	Linear Foot (LF)	DRIVEWAY CURB	\$ <u>22.00</u>	\$ <u>44,000.00</u>
30	60,000	Square Foot (SF)	<b>4" SIDEWALK</b>	\$ <u>4.00</u>	\$ <u>240,000.00</u>
31	20,000	Square Foot (SF)	6" SIDEWALK	\$ <u>4.50</u>	\$ <u>90,000.00</u>
32	1,000	Square Foot (SF)	CONCRETE RIP RAP	\$ <u>10.00</u>	\$ <u>10,000.00</u>
33	1,000	Square Foot (SF)	ROCK RIP RAP	\$ <u>5.00</u>	\$ <u>5,000.00</u>
34	2,000	Square Foot (SF)	CONCRETE TINT	\$ <u>8.00</u>	\$ <u>16,000.00</u>
35	2,000	Square Foot (SF)	STAMPED COLORED CONCRETE	\$ <u>7.00</u>	\$ <u>14,000.00</u>
36	4,000	Square Foot (SF)	RESIDENTIAL DRIVEWAY	\$ <u>8.30</u>	\$ <u>33,200.00</u>
37	20,000	Square Foot (SF)	COMMERCIAL DRIVEWAY	\$ <u>8.50</u>	\$ <u>166,000.00</u>
38	20,000	Square Foot (SF)	ADA CURB CUT	\$ <u>6.00</u>	\$ <u>120,000.00</u>
39	400	Each (EA)	PREFORMED TACTILE WARNING TILE	\$ <u>200.00</u>	\$ <u>80,000.00</u>
40	20	Each (EA)	BUS PAD	\$ <u>13,000.00</u>	\$ <u>260,000.00</u>
41	3,000	Cubic Yard (CY)	FLOWABLE FILL	\$ <u>120.00</u>	\$ <u>360,000.00</u>
42	3,000	Square Foot (SF)	DRAINAGE FLUME	\$ <u>15.00</u>	\$ <u>45,000.00</u>
43	3,000	Square Foot (SF)	DRAINAGE FLUME WITH STEEL PLATE	\$ <u>40.00</u>	\$ <u>120,000.00</u>
44	3,000	Linear Foot (LF)	TRIPPING HAZARD REMOVAL	\$ <u>4.00</u>	\$ <u>12,000.00</u>

COMPANY NAME: INTERNATIONAL EAGLE ENTERPRISES, INC.

OFFEROR'S SIGNATURE:  PRINT NAME: RUBY CORRAL

# ROM Estimate Established by CID PM

01/15/2024  
2023-49R  
\*\*\* RudyR

13:12  
City of El Paso West Main 1/2/2024

## BID TOTALS

<u>Biditem</u>	<u>Description</u>	<u>Status - Rnd</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
10	MOBILIZATION		1.000	LS	36,207.92	36,207.92
15	MATERIAL TESTING		1.000	LS	20,939.50	20,939.50
20	TRAFFIC CONTROL		4.000	MT	6,021.24	24,084.96
30	TRAFFIC CONTROL PEDESTRIANS		4.000	MT	345.13	1,380.52
35	INSTALL TEMPORARY FENCING		500.000	LF	17.45	8,725.00
40	DEMOLITION CURB & GUTTER		301.000	LF	6.06	1,824.06
50	DEMOLITION DRIVEWAYS		35.000	SY	29.01	1,015.35
60	REMOVE CONC PAVEMENT		96.000	SY	41.76	4,008.96
70	DEMO SIDEWALK FOR RECYCLED PAVERS		70.000	SY	53.75	3,762.50
80	DEMO SIDE WALK AND DISPOSE		480.000	SY	19.18	9,206.40
100	DEMOLITION HMAC		547.000	SY	7.29	3,987.63
120	SIGNS REMOVAL		3.000	EA	274.72	824.16
140	REMOVE IRRIGATION WATER VALVE		7.000	EA	239.59	1,677.13
150	ADA RAMPS REMOVAL		9.000	SY	55.68	501.12
160	CONC. STAIRS REMOVAL		4.000	SY	106.95	427.80
170	FLUME REMOVAL SAW CUT AND SALVAGE FOR REUSED		36.000	LF	96.66	3,479.76
180	METAL PLATE FOR SIDEWALK FLUME SALVAGE		2.000	EA	384.60	769.20
190	HAND RAIL REMOVE AND MODIFY		20.000	LF	136.13	2,722.60
200	TREE GRATES & LIGHTS SALVAGE		6.000	EA	537.23	3,223.38
290	EXCAVATION		416.000	CY	43.03	17,900.48
300	SUBGRADE PREP		822.000	SY	7.82	6,428.04
310	6" FLEX BASE		822.000	SY	31.41	25,819.02
320	8 IN REINF. CONC. PAV.		1,079.000	SY	150.56	162,454.24
330	6 IN CONC. DRIVEWAYS		35.000	SY	277.20	9,702.00
340	4 IN CONC. SIDEWALKS (REINF.)		198.000	SY	92.67	18,348.66
350	12 IN DEPTH HEADER CURB		176.000	LF	41.72	7,342.72
360	16 IN DEPTH HEADER CURB		211.000	LF	39.22	8,275.42
380	CURB & GUTTER		209.000	LF	45.21	9,448.89
390	RECYCLED CONCRETE PAVERS		553.000	SF	23.77	13,144.81
400	INSTALL 24-INCH WIDE FLUME AT SIDEWALKS		34.000	LF	355.73	12,094.82
403	INSTALL 12-INCH WIDE FLUME ALONG STREET		110.000	LF	521.49	57,363.90
405	INSTALL 18-INCH WIDE FLUME ALONG STREET		222.000	LF	636.58	141,320.76
420	CONC. STAIRS		39.000	SF	60.81	2,371.59
430	CONC. PAD AT LAMP BASE		12.000	SF	94.02	1,128.24
440	CONC. WALL AT RAIN GARDEN		204.000	LF	114.56	23,370.24
480	ADA RAMPS		9.000	EA	1,825.96	16,433.64
490	HAND RAIL MODIFY		20.000	LF	233.29	4,665.80
500	CIP CONC. BENCH		3.000	EA	3,020.74	9,062.22
520	ADJUST MH		1.000	EA	1,683.50	1,683.50

PeopleSoft GL  
BUDGET STATUS REPORT

Page No. 1  
Run Date 07/15/2024  
Run Time 16:18:39

Report ID: GLS8020  
Bus. Unit: CEP01--City of El Paso  
Ledger Grp: DETAIL\_CC -- EXPENSE DETAIL LEDGER  
Currency : USD  
Chartfields Criteria  
Department: 532  
Account: 522270

Fund: 2560  
Program: All values

Division: 32120

Project: P23STYR4RES

Budget Period: All values

<u>Department</u> <u>Account</u>	<u>Fund</u> <u>Program</u>	<u>Division</u>	<u>Project</u> <u>Acct Descr</u>	<u>Budget Period</u>	<u>Budget</u>	<u>Assoc Revenue</u>	<u>PreEncumbrance</u>	<u>Encumbrance</u>	<u>Expense</u>	<u>Remaining</u>
532 522270	2560	32120	P23STYR4RES PUBLIC ACCESSES MAINT CONTR	ALLYEARS	6,210,972.29	0.00	0.00	0.00	2,000,000.00	4,210,972.29
Grand Total :					6,210,972.29	0.00	0.00	0.00	2,000,000.00	4,210,972.29

End of Report



## CAPITAL IMPROVEMENT DEPARTMENT

**MAYOR**  
Oscar Leoser

**PROJECT:** Palomino Laramie Intersection Drainage Improvements

**SUBJECT:** Project Discussion

**CITY COUNCIL**

**DATE:** June 20, 2024

**District 1**  
Brian Kennedy

**TIME:** 1:30PM – 2:00PM

**District 2**  
Dr. Josh Acevedo

**LOCATION:** Microsoft Teams

**District 3**  
Cassandra Hernandez

**ATTENDANCE:**

**District 4**  
Joe Molinar

1. Antonio Bustillos, Streets and Maintenance
2. Leonel Salayandia, Streets and Maintenance
3. Daniel Acuna, Streets and Maintenance
4. Alondra Murillo, Streets and Maintenance
5. Daniel Garcia, CID
6. Alondra Gurrola, CID
7. Nicholas Gonzalez, Project Manager, CID

**District 5**  
Isabel Salcido

**District 6**  
Art Fierro

**District 7**  
Henry Rivera

**District 8**  
Chris Canales

**MEETING MINUTES:**

- This project is a legal resolution for drainage issues encountered on a new City of El Paso residential development that is 3-year old.
  - CEA group is the consultant and construction costs associated to the resolution are to be covered through CEA's insurance.
- SAM funds will be utilized for the construction of this project.
  - SAM to provide funding string (funding source) to CID.
    - CID will lead and manage this project through construction. Project will have a 3-month construction duration.
  - SAM will be reimbursed for this work.
    - CID will have to coordinate with City of El Paso legal to identify if there is certain reimbursement criteria's that must be followed, as City of El Paso Legal is currently working on the reimbursement agreement.
  - City of El Paso Legal point of contact is Russell T. Abeln.
  - City of El Paso Legal has no issues with moving this project forward using SAM funds.

**INTERIM CITY  
MANAGER**  
Cary Westin

**Yvette Hernandez, P.E., – City Engineer**  
City 2 | 218 N. Campbell, 2<sup>nd</sup> Floor | El Paso, Texas 79901 | (915) 212-0065



CAPITAL IMPROVEMENT DEPARTMENT



**MAYOR**  
Oscar Leeser

**CITY COUNCIL**

**District 1**  
Brian Kennedy

**District 2**  
Dr. Josh Acevedo

**District 3**  
Cassandra Hernandez

**District 4**  
Joe Molinar

**District 5**  
Isabel Salcido

**District 6**  
Art Fierro

**District 7**  
Henry Rivera

**District 8**  
Chris Canales

**INTERIM CITY  
MANAGER**  
Cary Westin

- International Eagle will be procured for the construction of this project through the SAM On-Call resurfacing contract.
  - Quantities are being tracked through SAM.
  - SAM to provide a copy of the on-call contract to CID.
  - Change Order (Task Order) will need to be established by CID.
  - Cost Proposal has not been agreed upon. SAM has briefly reviewed, but has not been able to conduct a thorough review.
    - CID to review cost proposal and negotiate with International Eagle.
  
- The following items are not included within the SAM On-call resurfacing contract:
  1. TCP
  2. Mobilization
  3. Excavation
  4. Rock wall
  5. box culverts
  6. flumes
  7. flap gate for RCP outlet.
  
- SAM believes that the Task Order will need to go to City Council.
  - CID to coordinate and confirm if the Task Order will have to go to council.
  
- Point of Contact from International Eagle is Marcos Molina.
  - SAM to provide Mr. Molina’s email to CID.
  - Point of contact information is included on proposal, already provided to CID PM.
  
- Due to CEA Group’s insurance covering the construction expenses for this project, CID will have to coordinate with City of El Paso Legal to identify if the following services will be covered by CEA’s Insurance:
  1. CA services
  2. Material Testing
  3. Technical Specifications

*Note: Specifications have not been established for this project, only final drawings.*
  
- SAM is requesting recorded documentation to be provided at the end of project for archives.
  - SAM personnel, Daniel Acuna and Leonel Salayandia, to be included on all project correspondence.
  
- SAM confirmed that the funding does not have a deadline for funds to be expensed.

**Yvette Hernandez, P.E., – City Engineer**  
City 2 | 218 N. Campbell, 2<sup>nd</sup> Floor | El Paso, Texas 79901 | (915) 212-0065





# Back Up Emails

## Gonzalez, Nicholas

---

**From:** Marcos Molina <marcos@eagle.construction>  
**Sent:** Monday, July 15, 2024 3:29 PM  
**To:** Gonzalez, Nicholas  
**Cc:** Gurrola, Alondra K.; Hernandez, Yvette M.; Garcia, Daniel; Corral  
**Subject:** Re: Palomino Laramine Intersection Drainage Improvements - Cost Proposal  
**Attachments:** #02 PROPOSAL PALOMINO LARAMINE DRAINAGE IMPROVEMENTS ALL ITEMS.pdf

**CAUTION:** This email originated from outside of the City of El Paso. Do not click links or open attachments unless you recognize the sender and know the content is safe. If suspicious, use **Phish Alert** or forward to **SpamReport@elpasotexas.gov**.

Nicholas I had attached an incomplete version from February See attached. Let me know you received latest proposal.

---

**From:** Marcos Molina <marcos@eagle.construction>  
**Sent:** Monday, July 15, 2024 3:25 PM  
**To:** Gonzalez, Nicholas <GonzalezNX@elpasotexas.gov>  
**Cc:** Gurrola, Alondra K. <GurrolaAK@elpasotexas.gov>; Hernandez, Yvette M. <HernandezYM@elpasotexas.gov>; Garcia, Daniel <GarciaDX2@elpasotexas.gov>; Corral <corral@eagle.construction>  
**Subject:** Re: Palomino Laramine Intersection Drainage Improvements - Cost Proposal

Hello Nicholas here is updated quote only items updated were the last two items that include a significant amount of steel. Let me know if you have any questions.

---

**From:** Marcos Molina  
**Sent:** Friday, July 12, 2024 2:37 PM  
**To:** Gonzalez, Nicholas <GonzalezNX@elpasotexas.gov>  
**Cc:** Gurrola, Alondra K. <GurrolaAK@elpasotexas.gov>; Hernandez, Yvette M. <HernandezYM@elpasotexas.gov>; Garcia, Daniel <GarciaDX2@elpasotexas.gov>; Corral <corral@eagle.construction>  
**Subject:** Re: Palomino Laramine Intersection Drainage Improvements - Cost Proposal

Nicholas id like to request one more day through Monday since I'm pending written confirmation of my suppliers quote for the steel.

Marcos Molina  
General Manager  
International Eagle Enterprises  
915-345-6790  
Marcos@eagle.construction

On Jul 12, 2024, at 10:13 AM, Gonzalez, Nicholas <GonzalezNX@elpasotexas.gov> wrote:

Good Morning Marcos,

## Back Up Emails

Hope all is well. I am following up to confirm if the revised proposal will be provided to CID today, 07/12/2024, as per our meeting held on 07/10/2024. Please let me know if you have any questions, or if there is anything required on my behalf.

Thank you,

### Nicholas Gonzalez

Capital Improvement Project Manager

<image002.png>

Capital Improvement Department

218 N. Campbell St., Second Floor| El Paso, TX 79901

[gonzalezNX@elpasotexas.gov](mailto:gonzalezNX@elpasotexas.gov) | 915-216-4287

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**From:** Gonzalez, Nicholas

**Sent:** Monday, July 8, 2024 3:15 PM

**To:** marcos@eagle.construction

**Cc:** Gurrola, Alondra K. <GurrolaAK@elpasotexas.gov>; Hernandez, Yvette M.

<HernandezYM@elpasotexas.gov>; Garcia, Daniel <GarciaDX2@elpasotexas.gov>;

corral@eagle.construction

**Subject:** RE: Palomino Laramine Intersection Drainage Improvements - Cost Proposal

**Importance:** High

Good Afternoon Mr. Molina,

Hope all is well and that you had a great weekend. I am following up on the email sent to you on June 25, 2024 and the revised cost proposal for Palomino Laramine Intersection Drainage Improvements. Please let me know if you have any questions, or if you would like to set up a meeting to further discuss. It is important that we receive the cost proposal promptly, so that we can move forward on the construction for this project.

Thank you,

### Nicholas Gonzalez

Capital Improvement Project Manager

Capital Improvement Department

218 N. Campbell St., Second Floor| El Paso, TX 79901

# Back Up Emails

<image005.png>

[gonzalezNX@elpasotexas.gov](mailto:gonzalezNX@elpasotexas.gov) | 915-216-4287

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---

**From:** Gonzalez, Nicholas

**Sent:** Tuesday, July 2, 2024 3:40 PM

**To:** [marcos@eagle.construction](mailto:marcos@eagle.construction)

**Cc:** Gurrola, Alondra K. <[GurrolaAK@elpasotexas.gov](mailto:GurrolaAK@elpasotexas.gov)>; Hernandez, Yvette M.

<[HernandezYM@elpasotexas.gov](mailto:HernandezYM@elpasotexas.gov)>; Garcia, Daniel <[GarciaDX2@elpasotexas.gov](mailto:GarciaDX2@elpasotexas.gov)>;  
[corral@eagle.construction](mailto:corral@eagle.construction)

**Subject:** RE: Palomino Laramine Intersection Drainage Improvements - Cost Proposal

**Importance:** High

Good Afternoon Mr. Molina,

I am following up on the email below and the revised cost proposal for Palomino Laramine Intersection Drainage Improvements. Please let me know if you have any questions, or if you would like to set up a meeting to further discuss.

Thank you,

**Nicholas Gonzalez**

Capital Improvement Project Manager

Capital Improvement Department

# Back Up Emails

218 N. Campbell St., Second Floor| El Paso, TX 79901

<image005.png>

[gonzalezNX@elpasotexas.gov](mailto:gonzalezNX@elpasotexas.gov) | 915-216-4287

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---

**From:** Gonzalez, Nicholas

**Sent:** Tuesday, June 25, 2024 3:44 PM

**To:** [marcos@eagle.construction](mailto:marcos@eagle.construction)

**Cc:** Gurrola, Alondra K. <[GurrolaAK@elpasotexas.gov](mailto:GurrolaAK@elpasotexas.gov)>; Hernandez, Yvette M.

<[HernandezYM@elpasotexas.gov](mailto:HernandezYM@elpasotexas.gov)>; Garcia, Daniel <[GarciaDX2@elpasotexas.gov](mailto:GarciaDX2@elpasotexas.gov)>;

[corral@eagle.construction](mailto:corral@eagle.construction)

## Back Up Emails

**Subject:** Palomino Laramine Intersection Drainage Improvements - Cost Proposal

**Importance:** High

Good Afternoon Mr. Molina,

Hope all is well. My name is Nicholas Gonzalez and I am a project manager here with the City of El Paso, Capital Improvement Department. I am sending this email to formally introduce myself as the new project manager for the Palomino Laramine Intersection Drainage Improvements. I have reviewed the cost proposal you previously provided to Streets and Maintenance Department on May 30, 2024, and I have some questions/comments pertaining to the proposal breakdown, please see attached. May you please review, provide clarification to the comments, and provide the revised cost proposal by no later than 10:00AM on July 02, 2024. Please let me know if you have any questions, or if you would like to set up a meeting to further discuss. I look forward to working with you and the company, Eagle Construction.

Thank you,

**Nicholas Gonzalez**

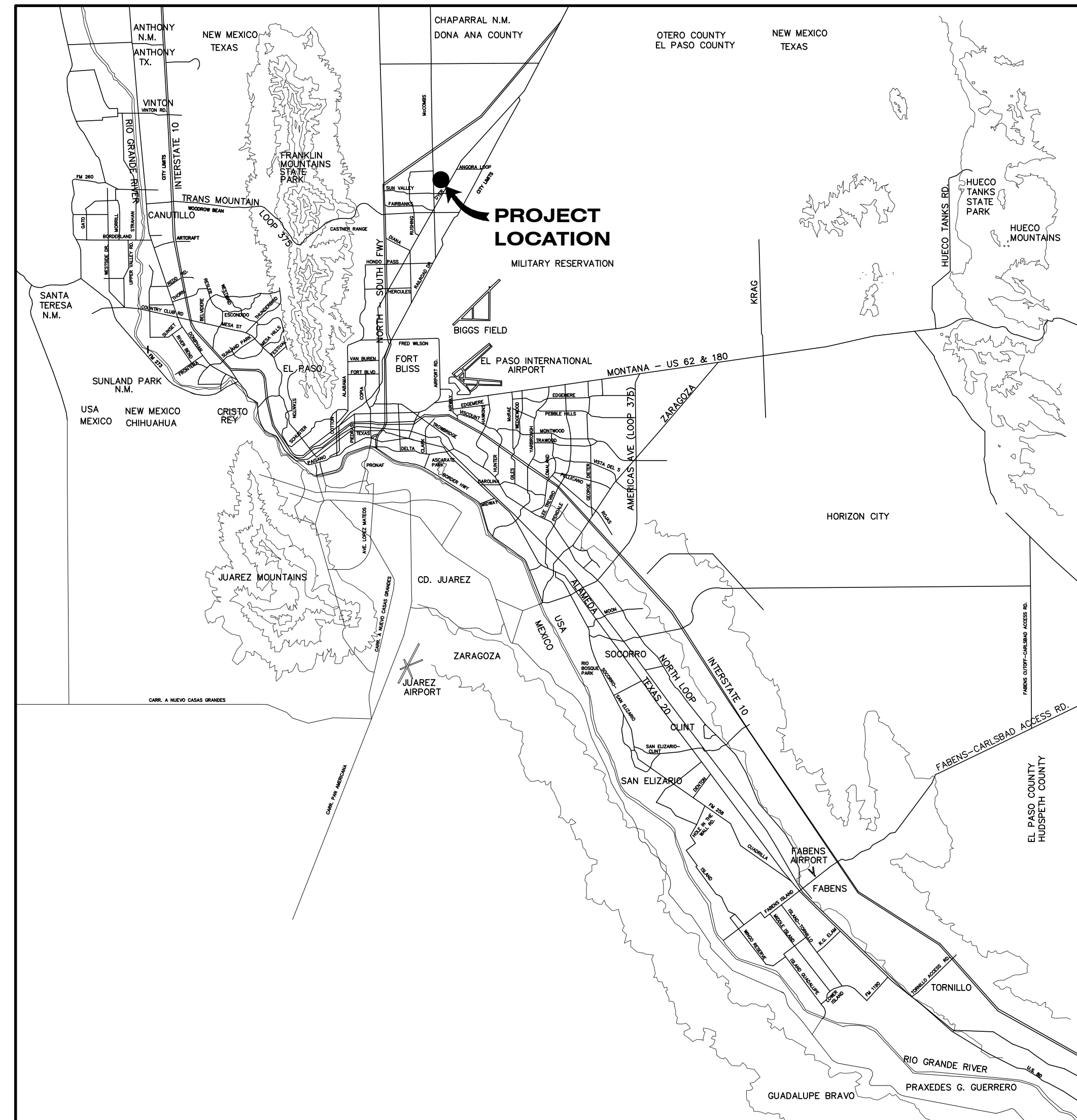
Capital Improvement Project Manager

Capital Improvement Department

218 N. Campbell St., Second Floor| El Paso, TX 79901

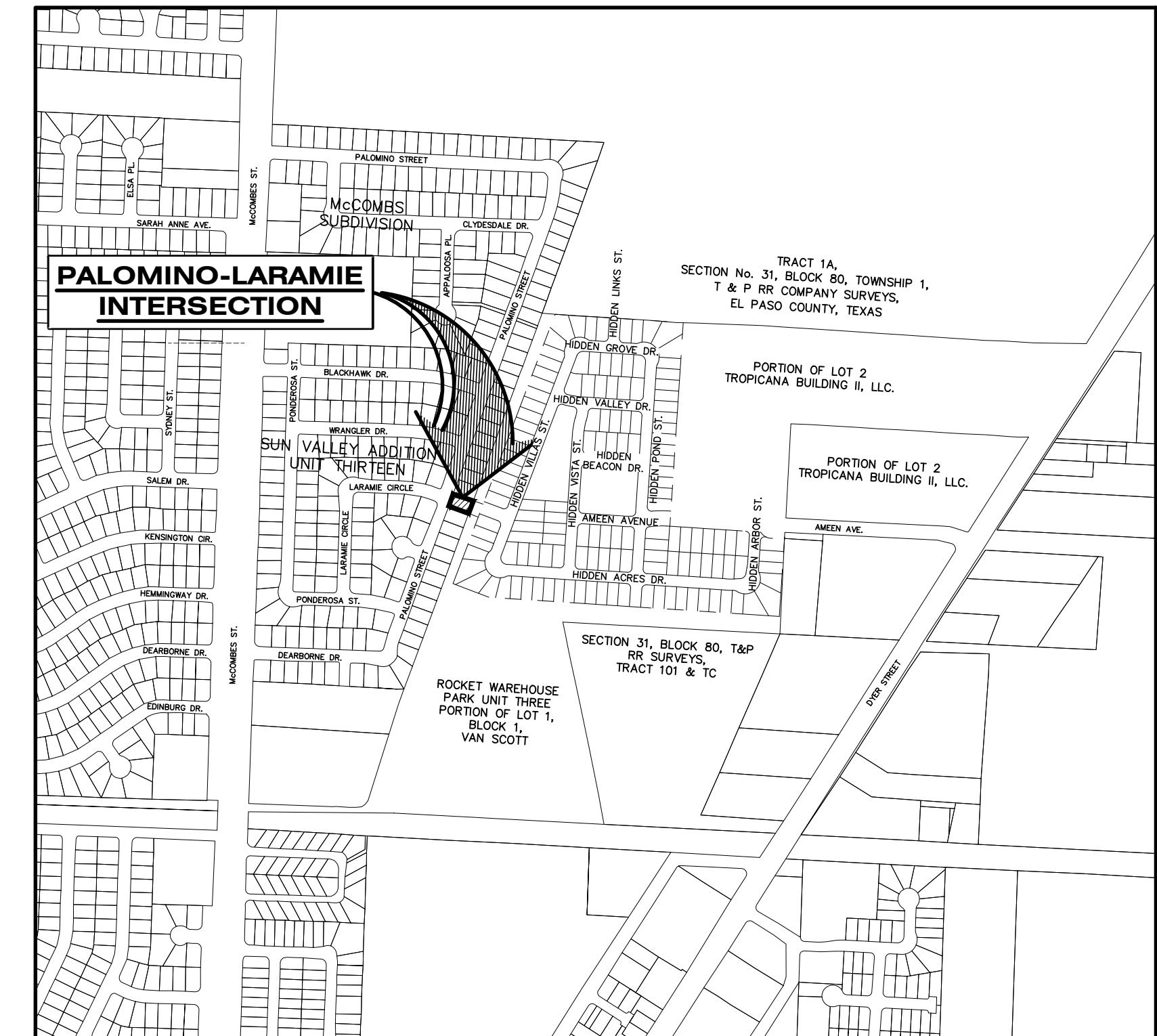
# PALOMINO-LARAMIE INTERSECTION DRAINAGE IMPROVEMENTS

A PORTION OF PALOMINO STREET AND LARAMIE CIRCLE INTERSECTION  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING 0.09± ACRES

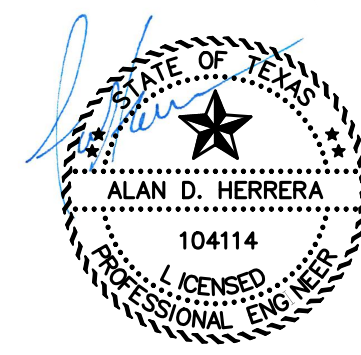


**VICINITY MAP**  
APPROXIMATE SCALE:  
1" = 2 MILES

SHEET NUMBER	SHEET TITLE
CVR	COVER SHEET
C1.1	GENERAL INFORMATION
C2.1	TOPOGRAPHIC SURVEY
C3.1	DEMOLITION PLAN
C4.1	IMPROVEMENTS PLAN
C5.1	DRAINAGE PLAN
C6.1-C6.2	GRADING SECTIONS
C7.1	STREET AND FLUME PLAN & PROFILES
C8.1-C8.3	STANDARD DETAILS
C9.1-C9.2	STORM WATER POLLUTION PREVENTION PLAN



**LOCATION MAP**  
APPROXIMATE SCALE: 1" = 600'



5-24-23  
ALAN D. HERRERA, P.E. PROJECT MANAGER



TEXAS REGISTERED ENGINEERING FIRM F-4564  
4712 Woodrow Bean Ste. F El Paso, TX 79924  
915.544.5232 | www.ceagroup.net

PRINCIPAL CONTACTS:

	NAME	ADDRESS	CITY & ZIP	PHONE	FAX
OWNER:	BOWLING ENTERPRISES	4712 WOODROW BEAN DR. STE. A	EL PASO, TX 79924	(915) 757-1802	(915) 757-1827
ENGINEER:	CEA GROUP	813 N. KANSAS STREET, STE. 300	EL PASO, TX 79902	(915) 544-5232	
SURVEYOR:	BARRAGAN & ASSOCIATES	10950 PELLICANO DR., BLDG F	EL PASO, TX 79936	(915) 591-5709	

**GENERAL NOTES**

- THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO SUBMITTING BIDS.
- CONTRACTOR SHALL WATER CONSTRUCTION AREA A MINIMUM OF TWICE A DAY TO KEEP DUST TO A MINIMUM — ONCE IN THE MORNING AND BEFORE QUITTING TIME. THIS SHALL ALSO BE DONE DURING WEEKENDS AND HOLIDAYS.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPLACE ALL UNDERGROUND UTILITY LINES AT NO EXTRA COST TO THE OWNER WHEN LINES ARE DISTURBED AS A RESULT OF THE WORK.
- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE AND PERFORM HIS WORK SO AS TO ASSURE PROPER PASSAGE OF STORM RUNOFF DURING THE COURSE OF HIS OPERATIONS. ALL LABOR, TOOLS, EQUIPMENT, AND SUPERVISION REQUIRED TO ASSURE SUCH PROPER PASSAGE OF RUNOFF WATER AND ANY REMOVAL OR HANDLING OF WATER IN ORDER TO MAINTAIN DRY CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE USER, ALL UTILITIES, AND ALL OTHER AGENCIES WITH JURISDICTION OVER THE PROJECT.
- ALL EXISTING PAVEMENT, ADJACENT UTILITIES, STRUCTURES, ETC., DISTURBED AS A RESULT OF THE NEW CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE OWNER WILL FURNISH HORIZONTAL AND VERTICAL CONTROL REFERENCED POINTS ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES BEFORE PROCEEDING WITH THE WORK. ANY DISCREPANCIES FOUND SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER, OTHERWISE THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THEIR CORRECTNESS.
- SEE REFERENCED BENCHMARK ON TITLE BLOCK FOR DATUM ELEVATIONS.
- VIBRATORY ROLLERS WILL NOT BE PERMITTED ON ANY PHASE OF THIS PROJECT, UNLESS APPROVED IN WRITING BY THE ENGINEER.
- ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THE PROJECT.
- NO BLASTING SHALL BE PERMITTED.
- THE CONTRACTOR SHALL FIELD VERIFY ELEVATIONS, MEASUREMENTS AND EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. NOTIFY THE ENGINEER PROMPTLY OF ANY OMISSIONS, ERRORS, OR DISCREPANCIES FOUND SO THAT NECESSARY CORRECTIONS AND INTERPRETATIONS BE MADE PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION PRACTICES AND PROCEDURES SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE OCCUPATIONAL SAFETY AND HEALTH STANDARD (TITLE 29, CODE OF FEDERAL REGULATIONS) PUBLISHED BY THE OSHA, DEPARTMENT OF LABOR.

**LEGEND**

- SUBDIVISION BOUNDARY
- ROW LINE
- CURB LINE
- PROPERTY LINE
- STREET CENTERLINE
- EASEMENT LINE
- MATCH LINE
- STORM SEWER LINE
- HIGH WATER MARK
- CURB AND GUTTER DROP INLET
- STORM SEWER MANHOLE
- FINISHED GROUND CONTOUR ELEVATION (INDEX)
- FINISHED GROUND CONTOUR ELEVATION (INTERMEDIATE)
- EXISTING GROUND CONTOUR ELEVATION (INDEX)
- EXISTING GROUND CONTOUR ELEVATION (INTERMEDIATE)
- NEW RETAINING ROCKWALL (2'-3' IN HEIGHT)
- NEW RETAINING ROCKWALL (3'-9' IN HEIGHT)
- NEW RETAINING ROCKWALL (9'-13' IN HEIGHT)
- NEW RETAINING ROCKWALL (13'-20' IN HEIGHT)
- STANDARD DETAIL/SECTION NUMBER
- SHEET NUMBER WHERE STANDARD/SECTION DETAIL IS LOCATED
- FINISHED SPOT ELEVATION
- LOT FINISHED GROUND ELEVATION
- ROLLED CURB ELEVATION
- TOP OF CURB ELEVATION
- TOP OF PAVEMENT ELEVATION
- SUBDIVISION LOT AND BLOCK NUMBER
- DRAINAGE FLOW
- HIGH POINT
- LOW POINT
- EXISTING HIGH POINT
- EXISTING LOW POINT
- DRAINAGE AREA
- HORIZONTAL: VERTICAL SLOPE RATIO
- WHEELCHAIR RAMP

**ABBREVIATIONS**

- LP LOW POINT
- HP HIGH POINT
- ELEV ELEVATION
- STA STATION
- VCS VERTICAL CURVE STATION
- VCE VERTICAL CURVE ELEVATION
- TC TOP OF CURB
- TM TOP OF MEDIAN
- TP TOP OF PAVEMENT
- TYP TYPICAL
- PVC POINT OF VERTICAL CURVE
- PVI POINT OF VERTICAL INTERSECTION
- PVT POINT OF VERTICAL TANGENT
- AD ALGEBRAIC DIFFERENCE
- CR CURVE RETURN
- ROW RIGHT OF WAY
- CL CENTER LINE
- PL PROPERTY LINE
- FG FINISH GRADE
- FF FINISH FLOOR
- EG EXISTING GRADE
- MIN. MINIMUM
- MAX. MAXIMUM
- RCP REINFORCED CONCRETE PIPE
- Q QUANTITY
- CAP CAPACITY
- EXP EXPECTED
- INV INVERT
- CFS CUBIC FEET PER SECOND
- A AREA
- DA DRAINAGE AREA
- LF LINEAR FEET
- STD STANDARD
- CONC CONCRETE
- PC POINT OF CURVATURE
- PI POINT OF INTERSECTION
- PT POINT OF TANGENT
- L LENGTH
- R RADIUS
- TANGENT TANGENT
- Δ DELTA ANGLE
- S SLOPE
- TEMP TEMPORARY
- V VELOCITY IN FEET PER SECOND
- HGL HYDRAULIC GRADE LINE
- HWE HIGH WATER ELEVATION

**GRADING SPECIFICATIONS**

- CLEARING AND GRUBBING: CLEAR SITE OF TREES, SHRUBS AND OTHER VEGETATION; COMPLETELY REMOVE STUMPS, ROOTS AND OTHER DEBRIS PROTRUDING THROUGH GROUND SURFACE; FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY FILL MATERIAL, UNLESS FURTHER EXCAVATION OF EARTHWORK IS INDICATED; REMOVE EXISTING ABOVE-GRADE AND BELOW-GRADE IMPROVEMENTS AS INDICATED AND AS NECESSARY TO FACILITATE NEW CONSTRUCTION. BURNING IS NOT PERMITTED ON OWNER'S PROPERTY. REMOVE WASTE MATERIALS FROM OWNER'S PROPERTY.
- SATISFACTORY FILL MATERIALS: FILL MATERIALS SHALL BE FREE OF ANY ORGANIC OR DELETERIOUS SUBSTANCE AND SHALL NOT CONTAIN ROCKS OR LUMPS OVER 3 INCHES IN GREATEST DIMENSION AND SHALL BE DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION GROUPS GW, GP, GM, GC, SM, SP, SM AND SC.
- UNSATISFACTORY FILL MATERIAL: ARE DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION GROUPS ML, MH, CL, CH, OL, OH, AND PT, OR WHERE THE PLASTICITY INDEX EXCEEDS 12, UNLESS OTHERWISE APPROVED BY ENGINEER, OR CITY ENGINEER.
- EXCAVATION: IS UNCLASSIFIED AND INCLUDES EXCAVATION TO ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF MATERIAL AND OBSTRUCTIONS ENCOUNTERED.
- GROUND SURFACE PREPARATION FOR FILL: REMOVE VEGETATION, DEBRIS, UNSATISFACTORY SOIL MATERIAL, OBSTRUCTIONS, AND DELETERIOUS MATERIAL FROM GROUND SURFACE UPON WHICH THE FILL IS TO BE PLACED. THE SURFACE SHALL THEN BE SCARIFIED TO A DEPTH OF AT LEAST 6-INCHES, AND UNTIL THE SURFACE IS FREE FROM RUTS, HUMMOCKS, OR OTHER UNEVEN FEATURES WHICH WOULD PREVENT UNIFORM COMPACTION. PLOW STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE. AFTER PLOWING AND SCARIFYING FILL AREA, IT SHALL THEN BE DISCED OR BLADED UNTIL IT IS UNIFORM AND FREE FROM LARGE CLODS, BROUGHT TO OPTIMUM MOISTURE, AND COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557.
- PLACEMENT OF FILL: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. BEFORE COMPACTION MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. PLACE FILL MATERIALS EVENLY ADJACENT TO SITE APPURTENANCES, PIPING, OR CONDUIT TO REQUIRED ELEVATIONS. PREVENT WEDGING ACTION OF BACKFILL AGAINST SITE APPURTENANCES OR DISPLACEMENT OF PIPING OR CONDUIT BY CARRYING MATERIAL UNIFORMLY AROUND SITE APPURTENANCES, PIPING, OR CONDUIT TO APPROXIMATELY SAME ELEVATION IN EACH LIFT. COMPACT SOIL TO NOT LESS THAN 95% OF MAXIMUM DENSITY, IN ACCORDANCE WITH ASTM D-1557.
- MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE CONDITIONED FOR OPTIMUM MOISTURE BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL. APPLY WATER IN MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. WATER CONTENT SHALL BE WITHIN 2 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.
- QUALITY CONTROL: THE OWNER SHALL PROVIDE A GEOTECHNICAL ENGINEER TO PERFORM FIELD DENSITY TEST OF THE COMPACTION OF EACH LAYER OF FILL. DENSITY TESTS SHALL BE TAKEN IN THE COMPACTED MATERIAL BELOW THE DISTURBED SURFACE. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF IS BELOW THE REQUIRED DENSITY, THE PARTICULAR LAYER OR PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL TESTING AND WHEN REQUIRED DENSITIES ARE NOT MET, SUPERVISION BY THE GEOTECHNICAL ENGINEER DURING THE GRADING OPERATIONS TO ENSURE GRADING WORK IN ACCORDANCE WITH THIS PLAN AND SPECIFICATIONS.

**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 945-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

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FOR FIELD LOCATING EXISTING UTILITIES

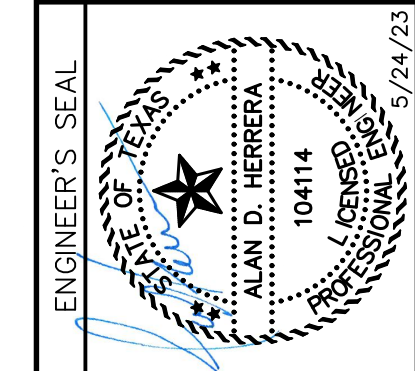
REFERENCES - BENCHMARKS	BY
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLODESDALE DRIVE AND PALOMINO STREET	DATE
ELEVATION: 3929.87' (NAVD 88 SHOWN) 3928.24' (E.P.V.I.B.)	REVISIONS

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813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
www.ceagroup.net

**CEA**  
CORPORATION  
TEXAS REGISTERED ENGINEERING FIRM F-4564



SCALE	N/A
Horizontal:	N/A
Vertical:	N/A
Contour Interval:	N/A
DATE:	APRIL 2023
DESIGN BY:	A.D.H.
DRAWN BY:	A.D.H./K.A.P.
CHKD. BY:	J.L.A.
APPVD. BY:	J.L.A.
JOB No.:	0001-100
DATE:	5/24/23

PROJECT TITLE

**PALOMINO-LARAMIE INTERSECTION**

**DRAINAGE IMPROVEMENTS**

SHEET TITLE
GENERAL INFORMATION
SHEET NO.
<b>C1.1</b>

**GENERAL NOTES**

- UNDERGROUND UTILITIES SHOWN HEREON WERE TAKEN FROM PLANS AND/OR REPORT PROVIDED TO THE SURVEYOR BY OTHERS AND FROM MARKINGS SET BY TEXAS 811. PROVIDED INFORMATION COMBINED WITH TEXAS 811 MARKING AND OBSERVED EVIDENCE OF UTILITIES WAS USED TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. NO ATTEMPT HAS BEEN MADE AS A PART OF THIS SURVEY TO CONFIRM, OBTAIN OR SHOW DATA CONCERNING THE DEPTH OR CONDITION OF ANY UTILITY OR MUNICIPAL/PUBLIC SERVICE FACILITY, SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES, WHICH MAY AFFECT THE USE OR DEVELOPMENT OF THE SUBJECT TRACT OF LAND. WHERE ADDITIONAL OR MORE DETAILED UNDERGROUND UTILITY INFORMATION IS REQUIRED, CONTRACTOR IS HEREBY ADVISED THAT EXCAVATION MAY BE NECESSARY.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR THE EXACT LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES INCLUDING UTILITIES NOT SHOWN ON PLANS. THE CONTRACTOR SHALL PROTECT ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND ANY UTILITIES NOT SHOWN THIS PLAN DURING CONSTRUCTION. THE CONTRACTOR WILL PERFORM ALL UTILITY INSTALLATION, REMOVAL AND RELOCATION'S AS PER LOCAL UTILITY CONSTRUCTION SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, CONDITIONS, AND ELEVATIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS AND/OR ERRORS ON PLANS PRIOR TO COMMENCING WORK.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF EL PASO AND/OR APPLICABLE ENTITY STANDARD SPECIFICATIONS AND DETAILS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITTING NECESSARY FOR EARTHWORK OPERATIONS.
- CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES AND MANHOLE WITH RESPECTIVE UTILITY COMPANIES.
- CONTRACTOR SHALL PERFORM ALL EARTHWORK REQUIREMENTS AS PER GEOTECHNICAL STUDY REPORT.
- A CALL WAS PLACED TO TEXAS DIG SAFE NUMBER (811) TO ACQUIRE LINE-SPOTS. CONFIRMATION NUMBER IS 2273871753. AS OF 8-26-2022 NO LINES WERE SPOTTED IN THE FIELD.

**SURVEY NOTES**

- THE BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, TEXAS CENTRAL ZONE 4203, AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT. COORDINATES SHOWN ARE SCALED TO SURFACE DISTANCES AT N: 0.0 AND E: 0.0 USING A SCALE FACTOR OF 1.000231. ALL AREAS SHOWN HEREON ARE CALCULATED BASED ON SURFACE MEASUREMENTS.
- THESE NAVD 88 ELEVATIONS WERE DERIVED FROM RTK OBSERVATION FROM THE APPLICATION OF THE TEXAS RTK CO-OP NETWORK, GEOID 2012B MODEL. (ACCURACY ± 0.16')
- THIS PROPERTY MAY BE SUBJECT TO EASEMENTS WHETHER OF RECORD OR NOT. NO ADDITIONAL RESEARCH WAS PERFORMED BY B&A INC. FOR ANY RESERVATION, BUILDING LINE, UTILITY LINES, AND OR EASEMENTS WHICH MAY OR MAY NOT AFFECT SUBJECT PARCEL.
- ALL MANHOLE/Vault INVERT DATA PROVIDED HEREON (EG. PIPE SIZES, PIPE TYPES, FLOWLINE ELEVATIONS) IS MEASURED OR ESTIMATED FROM THE TOP OF THE STRUCTURE BY FIELD CREW PERSONNEL. WHILE REASONABLE PRECAUTIONS ARE ALWAYS TAKEN, B&A INC. EXPRESSLY ASSUMES NO LIABILITY FOR THE RISK OF OBTAINING INCORRECT VALUES INHERENT WHEN MAKING INDIRECT MEASUREMENTS OR ESTIMATES. NO UNDERGROUND UTILITY STRUCTURES ARE ENTERED BY B&A INC. PERSONNEL TO OBTAIN MEASUREMENTS DUE TO SAFETY CONCERNS.
- THIS SURVEY IS NOT A BOUNDARY SURVEY AND SHALL NOT BE USED AS A BOUNDARY SURVEY.
- THE SIZE OR SHAPE OF THE TREE/BUSH SYMBOLS INCLUDED HEREON DO NOT NECESSARILY REPRESENT THE ACTUAL SIZE AND SHAPE OF THE CORRESPONDING TREES/BUSHES OR THEIR CANOPIES. THEY REPRESENT LOCATION ONLY.
- THE TERM "CERTIFY" OR "CERTIFICATE" AS SHOWN AND USED HEREON INDICATED AN EXPRESSION OF PROFESSIONAL OPINION REGARDING THE FACTS OF THE SURVEY AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED; AND IS ADDRESSED EXCLUSIVELY TO THE PARTIES NAMED HEREON.

**DUST AND EROSION CONTROL NOTE**

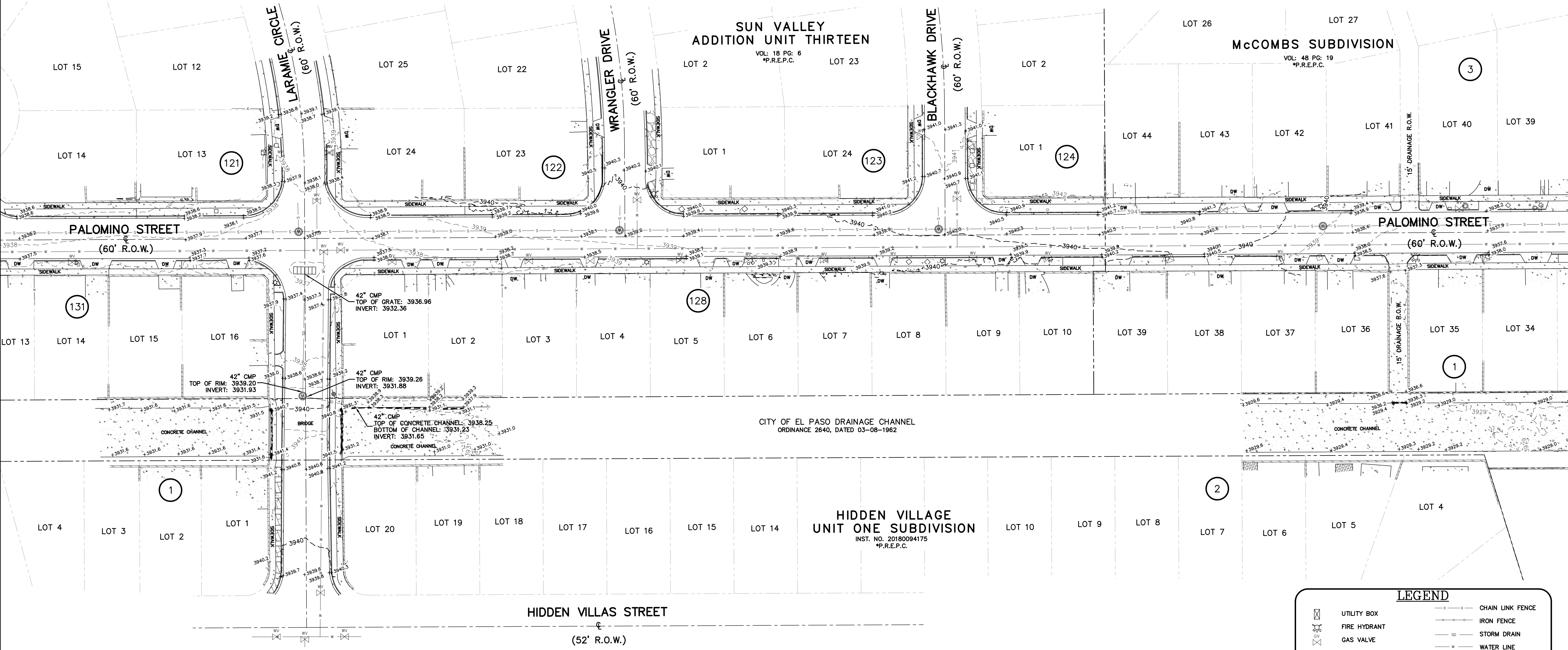
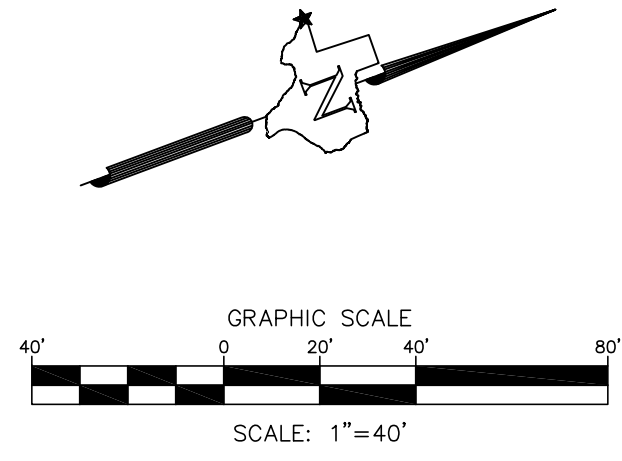
CONTRACTOR SHALL MAKE PROVISIONS FOR TEMPORARY DUST AND EROSION CONTROL WHERE EXTENSIVE DIRT OR DUST OPERATIONS ARE PERFORMED. USE WATER SPRINKLING AND OTHER METHODS TO LIMIT DUST AND DIRT MIGRATION. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

**BEFORE YOU DIG - CALL**

EL PASO ELECTRIC COMPANY	1-800-592-1634
AT & T	1-877-213-1053
SOUTHERN UNION GAS COMPANY	(915) 544-6300
EMERGENCY HOT LINE	562-841/562-2003
PUBLIC SERVICE BOARD (WATER&SEWER)	(915) 594-5500
SPECTRUM	1-833-267-6094
TEXAS GAS SERVICE	1-800-959-5325
TEXAS EXCAVATION SAFETY SYSTEM	811

**BENCHMARK**

FOUND CITY MONUMENT (10008)  
AT THE CENTERLINE INTERSECTION OF  
PALOMINO ST. AND CLYDESDALE DR.  
ELEVATION: 3939.32' (NAVD 88)



**LEGEND**

	UTILITY BOX		CHAIN LINK FENCE
	FIRE HYDRANT		IRON FENCE
	GAS VALVE		STORM DRAIN
	DROP INLET		WATER LINE
	LAMP		SANITARY SEWER
	MANHOLE		ROCK WALL
	WATER VALVE		SIGN
	ROCK FLOOR		MAJOR CONTOUR
	BRICK FLOOR		MINOR CONTOUR
	CONCRETE		SPOT ELEVATIONS
			DRIVEWAY

**Barragan & Associates Inc.**  
LAND PLANNING & LAND SURVEYING  
TEXAS SURVEYING FIRM# 10151200  
10950 Pellicano Dr. Bldg. F - El Paso TX 79835  
Phone (915) 591-5709 Fax (915) 591-5706  
THE INFORMATION CONTAINED HEREIN IS FOR THE EXCLUSIVE USE OF THE CLIENT AND IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF BARRAGAN & ASSOCIATES, INC.

**WITHIN PALOMINO ST.,  
BLACKHAWK DR., AND  
WRANGLER DR., AND  
LARAMIE CIR.,  
IN THE CITY OF EL PASO,  
EL PASO COUNTY, TEXAS.**

DATE	REVISIONS	DESCRIPTION	BY

CEA  
CONTRACTOR  
BENITO BARRAGAN  
SURVEYOR  
AA  
TECHNICIAN  
AA  
DRAWN  
CC  
FIELD

Date: 09-30-2022

TOPOGRAPHIC SURVEY

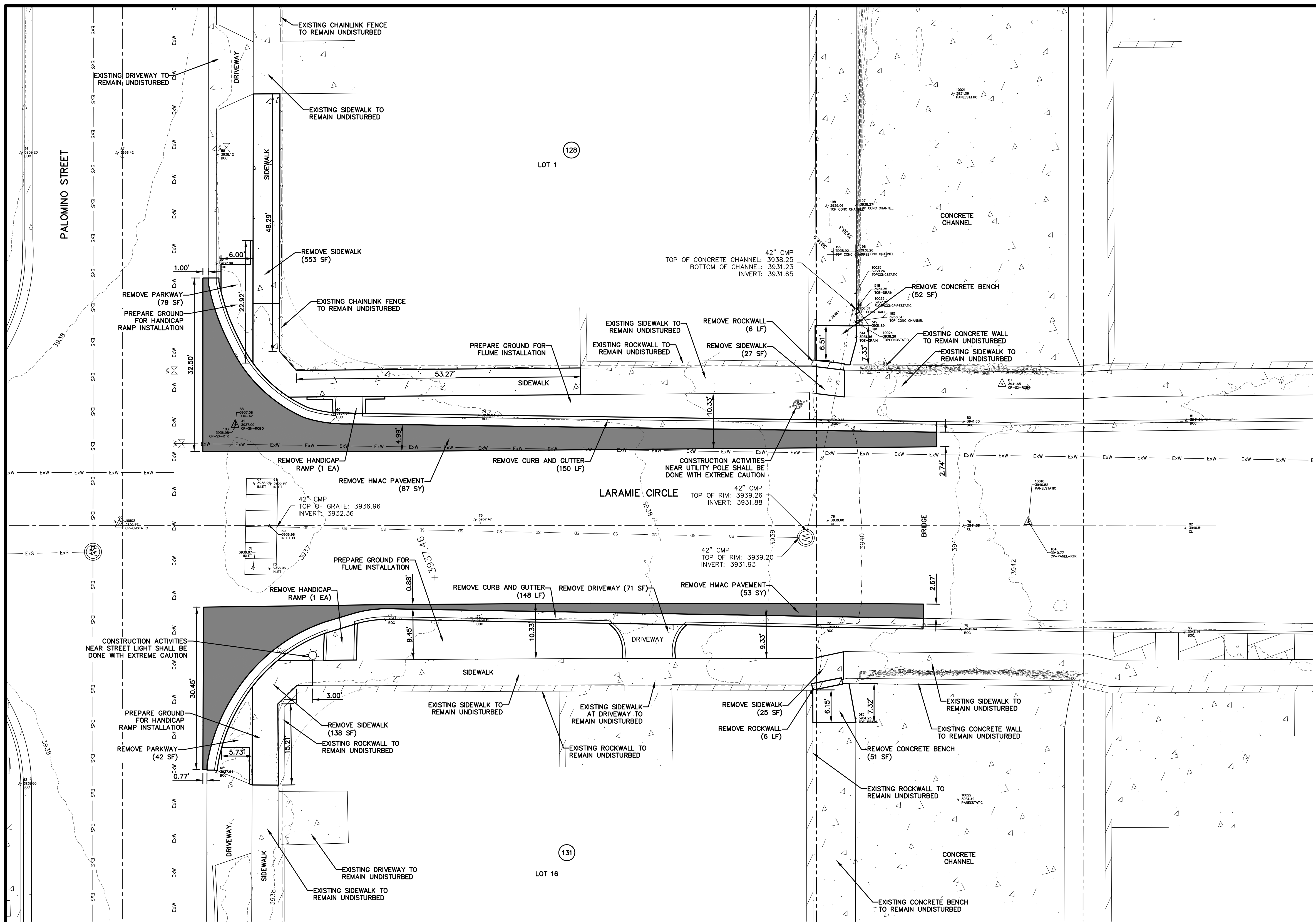
Job Number:  
220829-13

PREPARED BY AND UNDER THE SUPERVISION OF:

BENITO BARRAGAN  
TX, R.P.L.S. NO. 5615

SHEET 1 OF 1





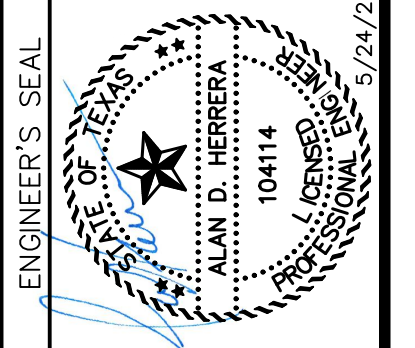
UTILITY LOCATOR SERVICES	
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FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS  
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLOSDALE DRIVE AND PALOMINO STREET  
ELEVATION: 3939.63' (HAND B.S. SHOWN)  
3928.24' (E.P.V.D.)

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TEXAS REGISTERED ENGINEERING FIRM F-4564



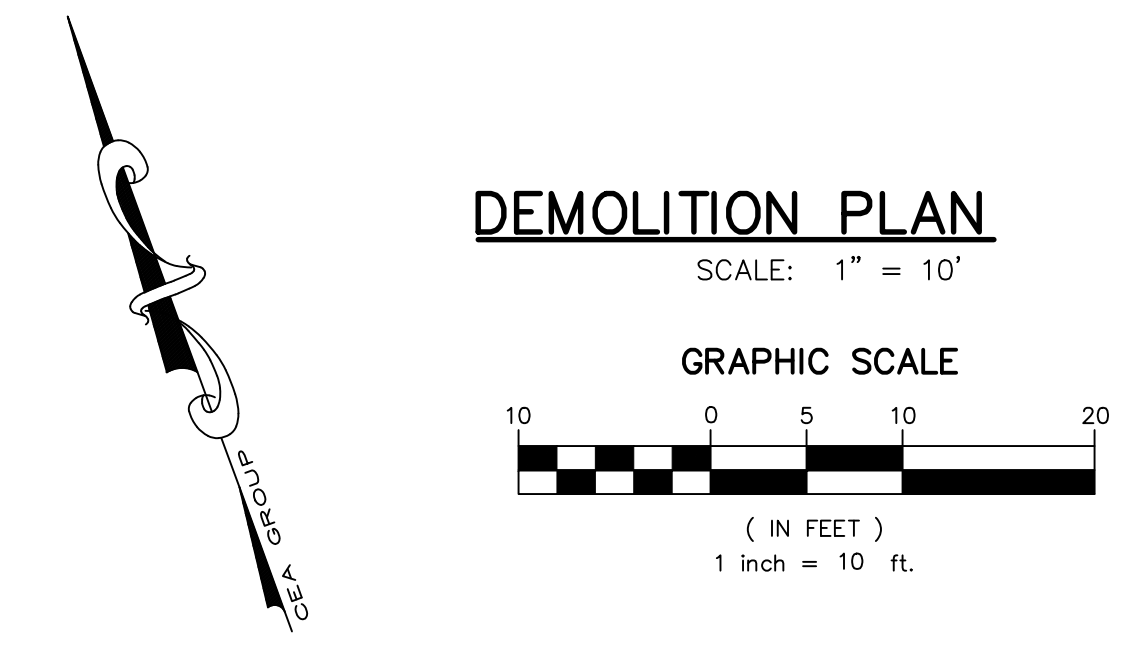
SCALE: 1" = 10'  
Horizontal: N/A  
Vertical: N/A  
Contour Interval: N/A  
DATE: APRIL 2023  
DESIGN BY: A.D.H.  
DRAWN BY: A.D.H./K.A.P.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.  
JOB No.: 0001-100

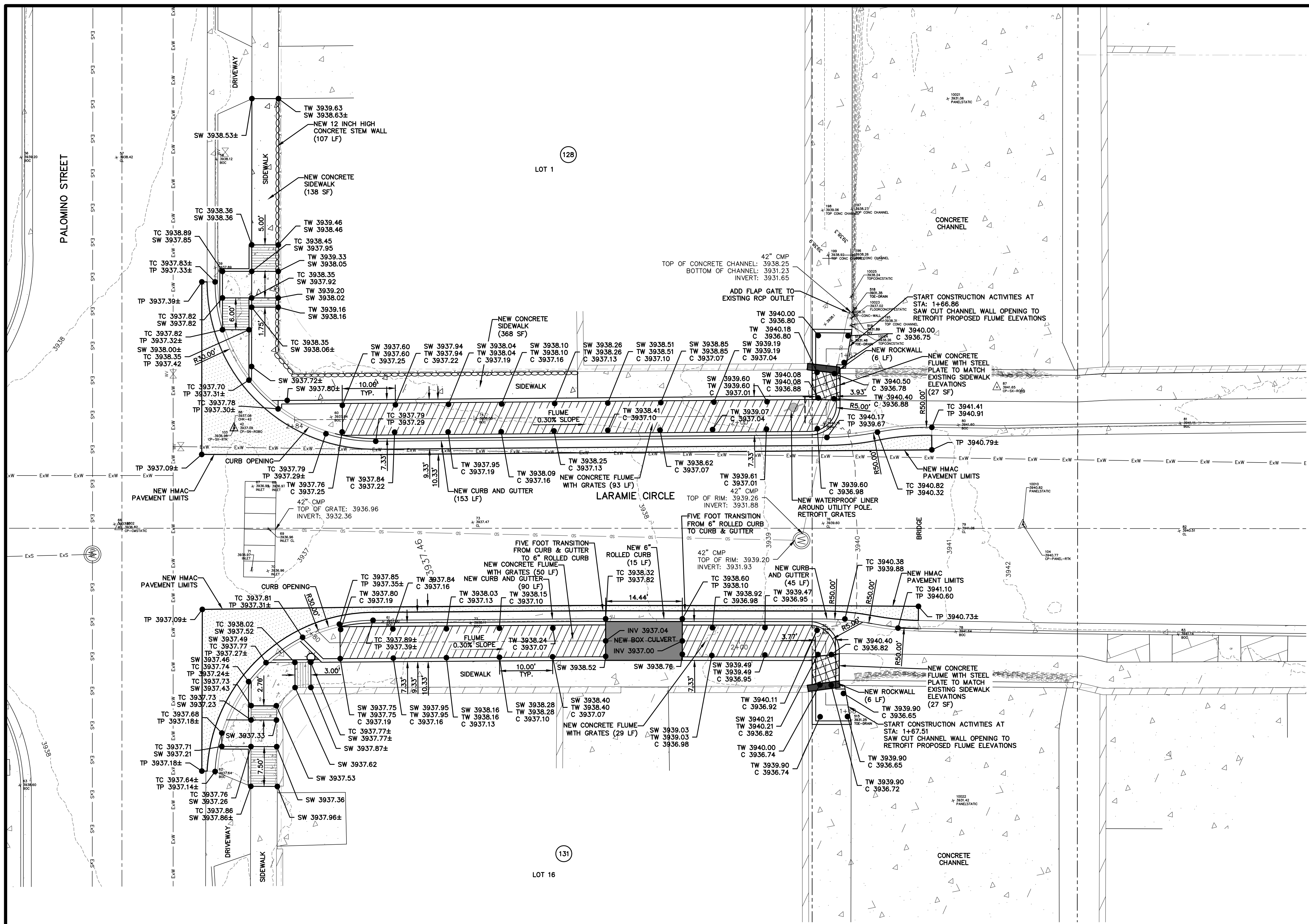
- NOTES:**
- ALL UNDERGROUND UTILITIES SHALL MAINTAIN EIGHTEEN (18") INCHES OF COVER DURING CONSTRUCTION.
  - ALL SUITABLE EXCAVATED MATERIALS SHALL BE UTILIZED, INsofar AS PRACTICAL, IN CONSTRUCTING THE REQUIRED SECTIONS OR AS DIRECTED BY THE ENGINEER. UNSUITABLE ROADWAY EXCAVATION AND EXCAVATION IN EXCESS OF THAT NEEDED SHALL BECOME THE PROPERTY OF CONTRACTOR, TO BE PROPERLY DISPOSED OF OFF-SITE.
  - CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC SIGNAGE.
  - CONTRACTOR SHALL MAINTAIN ALL WORK WITHIN PROJECT LIMITS. INTERSECTING STREETS SHALL BE ADJUSTED TO MATCH IMPROVEMENTS.
  - NEATLY SAW CUT ASPHALT PAVEMENT AND CONCRETE AT PROJECT LIMITS, EXCEPT AS NOTED.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING IMPROVEMENTS IN THE PROJECT AREA AND ITS VICINITY. ANY DAMAGES RESULTING FROM THE CONTRACTOR'S WORK SHALL BE REPAIRED TO ITS ORIGINAL CONDITION BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
  - CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED UTILITY COMPANIES WHEN WORKING DURING OR NEAR THE UTILITY.
  - CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION ACTIVITIES.
  - CONTRACTOR SHALL CALL DIG TESS PRIOR TO ANY CONSTRUCTION ACTIVITIES OR ANY EXCAVATION. THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES MAIN LINES COORDINATION WITH UTILITY HAVING JURISDICTION OF LINE IS REQUIRED.

PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

SHEET TITLE  
**DEMOLITION PLAN**

SHEET NO.  
**C3.1**





UTILITY LOCATOR SERVICES	
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FOR FIELD LOCATING EXISTING UTILITIES

**LEGEND**

	NEW CONCRETE FLUME WITH STEEL PLATE
	NEW CONCRETE FLUME WITH GRATES
	NEW 6" HIGH ROCKWALL
	6" CURB AND GUTTER
	EXISTING SANITARY SEWER MANHOLE
	EXISTING SEWER LINE
	EXISTING WATER LINE
	EXISTING FENCE
	EXISTING ROCKWALL

- NOTES:**
- CONCRETE CURB AND GUTTER AND 4" ROLLED CURB SHALL MATCH EXISTING PAVEMENT ELEVATIONS.
  - CONCRETE FLUME TOP OF SIDE WALLS SHALL MATCH ELEVATIONS TO EXISTING SIDEWALK AND PROPOSED TOP OF CURB ELEVATIONS. THE GRATES AND THE STEEL PLATE SHALL BE FLUSH WITH THE EXISTING SIDEWALK.
  - EXPANSION JOINT SHALL BE INSTALLED BETWEEN EXISTING SIDEWALK AND CONCRETE FLUME, AND BETWEEN CONCRETE FLUME AND CURB & GUTTER.
  - STEEL PLATE SHALL BE WIDE ENOUGH TO ACCOMMODATE PROPOSED ROCKWALL.
  - THE WATERPROOF LINER ON THE UTILITY POLE SHALL EXTEND SIX INCHES ABOVE THE PROPOSED GRATES. THE GRATES AT THE UTILITY POLE LOCATION SHALL BE RETROFIT TO ACCOMMODATE UTILITY POLE WITHOUT JEOPARDIZING THE INTEGRITY OF THE GRATE. REINFORCE GRATES AS NEEDED.

**18.44.090 - WARRANTY**

ANY PERSON ISSUED A PERMIT SHALL AGREE WARRANTY AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.

(Ord. No. 17516, § 1, 3-29-2011)

**IMPROVEMENTS NOTE:**

ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S., AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

**18.44.220 - PERMIT CLOSEOUT PROCEDURE**

AFTER THE PERMITEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:

A. A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES, "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS". THE PERMITEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.

B. A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15. THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL CONTINUE TO BE IN EFFECT.

(Ord. No. 17516, § 1, 3-29-2011)

**18.44.200 - ENGINEERING CONTROLS FOR GRADING**

CONSTRUCTION ACTIVITY REQUIREMENTS:

- NO ON-SITE PROCESSING OF MATERIAL FOR COMMERCIAL OR RETAIL SALE SHALL BE ALLOWED. ON-SITE PROCESSING OF MATERIALS TO BE USED FOR PREPARATION OR CONSTRUCTION OF IMPROVEMENTS WITHIN THE AREA COVERED BY THE GRADING PERMIT SHALL BE ALLOWED.
- WORK SHALL BE CONDUCTED IN A MANNER THAT PRESERVES AND DOES NOT OBSTRUCT, IMPEDE OR INTERFERE WITH THE FLOW OF STORMWATER IN NATURAL DRAINAGE WAYS, UNIMPROVED CHANNELS OR WATERCOURSES, OR IMPROVED DITCHES, CHANNELS OR CANALS IN SUCH A MANNER AS THE CAUSE FLOODING WHERE IT WOULD NOT OTHERWISE OCCUR.
- CONSTRUCTION EQUIPMENT AND FENCING SHALL BE KEPT OUT OF WATERCOURSES EXCEPT WHEN NECESSARY TO PERFORM WORK ON THE APPROVED PLANS. ADEQUATE BY-PASS MEASURES SHALL BE INSTALLED WHERE TEMPORARY DRAINAGE BLOCKAGES WILL OCCUR. WHERE WORK WITHIN A CHANNEL IS DESIGNATED ON APPROVED PLAN, PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION, TO MINIMIZE EROSION AS SHOWN ON THE PLANS. THE CHANNEL, INCLUDING BED AND BANKS, SHALL ALWAYS BE RESTORED/RESTABILIZED IMMEDIATELY AFTER WORK IN THE CHANNEL IS COMPLETED.

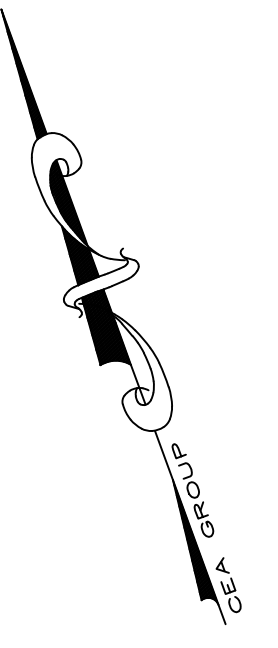
4. WHERE A DRAINAGE WAY WILL BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CROSSING SHALL BE CONSTRUCTED AS REQUIRED IN THE APPROVED GRADING PLANS.

5. MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IDLE FOR MORE THAN SEVEN CONSECUTIVE CALENDAR DAYS. STOCKPILING SHALL BE LIMITED TO TEN FEET HIGH WHEN GRADING OPERATIONS ARE BEING CONDUCTED.

6. A TRAFFIC CONTROL PERMIT SHALL BE REQUIRED IF THE GRADING OPERATION WILL IMPACT TRAFFIC.

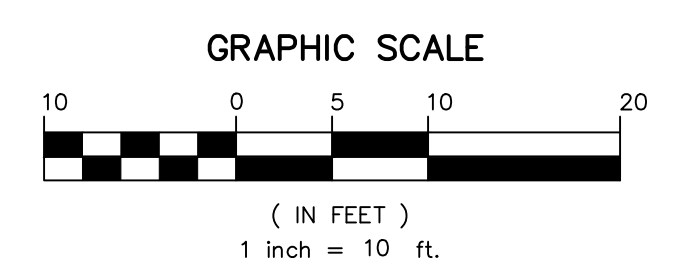
7. ANY USE OF VIBRATORY EQUIPMENT SHALL NOT BE ALLOWED, UNLESS APPROVED IN WRITING BY THE PERMIT OFFICIAL IN ADVANCE OF SUCH USE.

8. THE PERMIT OFFICIAL MUST BE NOTIFIED NO LATER THAN 4:00 PM THE DAY IN ADVANCE OF ANY GRADING WORK. ADDITIONAL ACTIVITY REQUIREMENTS/RESTRICTIONS MAY BE SPECIFIED BY THE DESIGN ENGINEER OF RECORD.

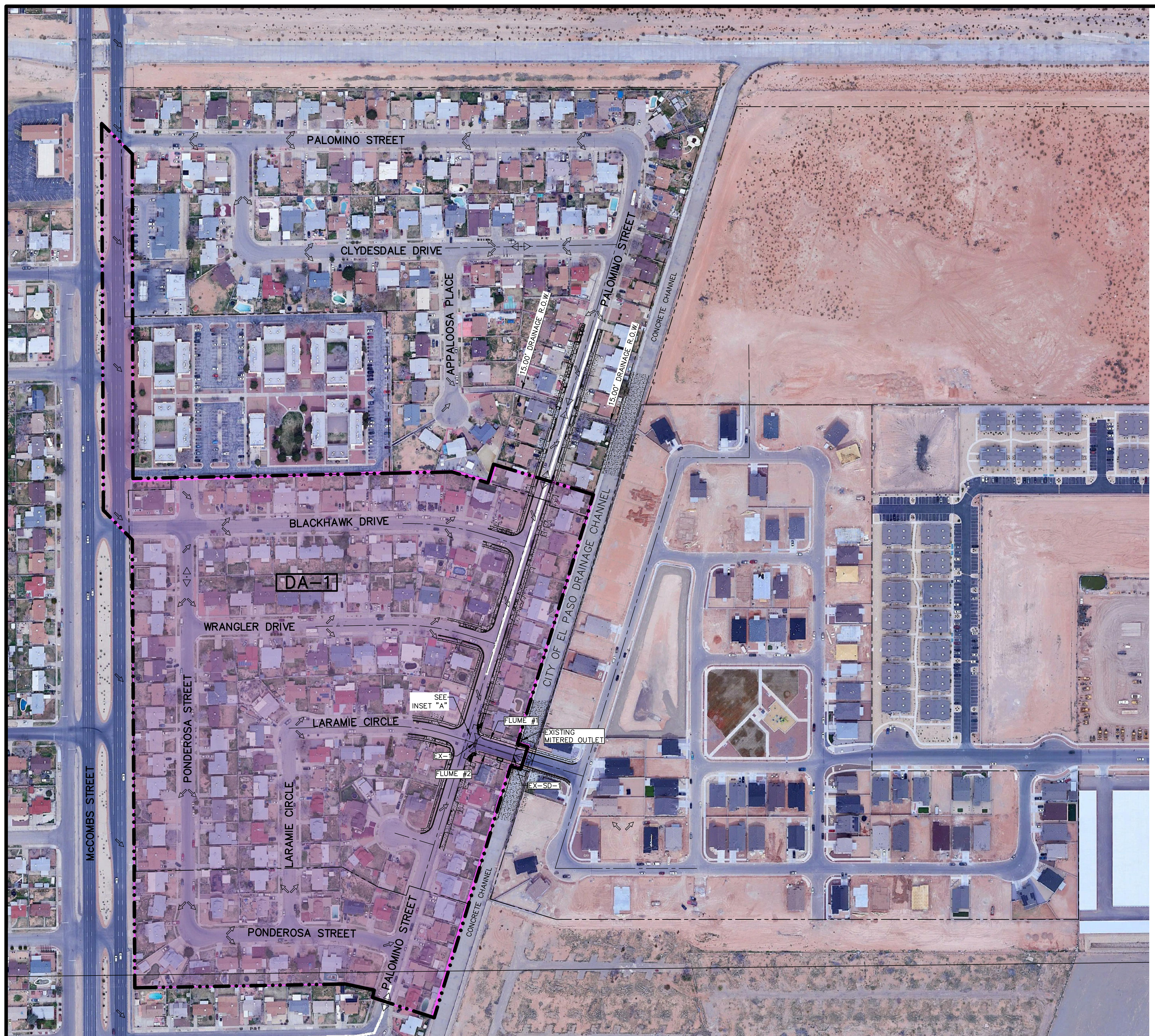


**IMPROVEMENTS PLAN**

SCALE: 1" = 10'



<p>REFERENCES - BENCHMARKS</p> <p>CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLOSDALE DRIVE AND PALOMINO STREET</p> <p>ELEVATION: 3939.81' (HAND B.S. SHOWN) 3938.24' (E.P.V.O.)</p>	<p>813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5292 www.ceagroup.net</p> <p><b>CEAG</b> GROUP</p> <p>TEXAS REGISTERED ENGINEERING FIRM F-4564</p>
<p>ENGINEER'S SEAL</p> <p>ALAN D. HERRERA 10414</p>	<p>SCALE: 1" = 10'</p> <p>Horizontal: N/A Vertical: N/A Contour Interval: N/A</p> <p>DATE: APRIL 2023 DESIGN BY: A.D.H. DRAWN BY: A.D.H./K.A.P. CHKD. BY: J.L.A. APPVD. BY: J.L.A. JOB No.: 0001-100</p>
<p>PROJECT TITLE</p> <p><b>PALOMINO - LARAMIE INTERSECTION</b></p>	
<p>SHEET TITLE</p> <p><b>DRAINAGE IMPROVEMENTS</b></p>	
<p>IMPROVEMENTS PLAN</p>	
<p>SHEET NO.</p> <p><b>C4.1</b></p>	



**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY	(915) 543-5720
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EL PASO WATER UTILITIES	(915) 594-5500
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U.S. SPRINT TELECOMM	(800) 521-0579

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**LEGEND:**

---●---	DRAINAGE AREA BOUNDARY
→	EXISTING DRAINAGE FLOW
△	EXISTING HIGH POINT
▽	EXISTING LOW POINT
○	DROP INLET
●	STORM SEWER MANHOLE
—	RCP
⊥	HEADWALL STRUCTURE
DA-1	DRAINAGE AREA

**100 YEAR STORM CALCULATIONS FOR WATERSHED AREAS**

DRAINAGE AREA NO. (1)	DRAINAGE AREA (AC) (2)	DESIGN STORM INTENSITY (1100) (3)	TIME OF CONCENTRATION (4)	RUNOFF COEFF. (C) (5)	Q100 (CFS) (6)
DA-1	31.99	2.86	27.84	0.71	64.96

- REFERENCE: CITY OF EL PASO SUBDIVISION STANDARDS (JUNE 2008)
- WATERSHED AREA IDENTIFICATION
  - AREA FROM DRAINAGE PLAN
  - RAINFALL INTENSITY, 100 YEAR STORM => CENTRAL INTENSITY EQUATIONS (4-7)  
 $I_{100} = \frac{111.04}{(Tc + 26.090)^{0.9177}}$  EQUATION 4-25
  - TIME OF CONCENTRATION:  $Tc = T(\text{OVERLAND}) + T(\text{GUTTER})$
  - TABLE 4-5: RATIONAL METHOD DEVELOPED CONDITION COEFFICIENT (100yr C)  
 SINGLE FAMILY RESIDENTIAL = 0.70  
 PAVEMENT AND ROOFTOPS = 0.95
  - $Q_{100} = C \times A \times I_{100}$   
 C= RATIONAL COEFFICIENT  
 A= COMPUTED CONTRIBUTING WATERSHEDS AREA, ACRES  
 I= RAINFALL INTENSITY, INCH PER HOUR

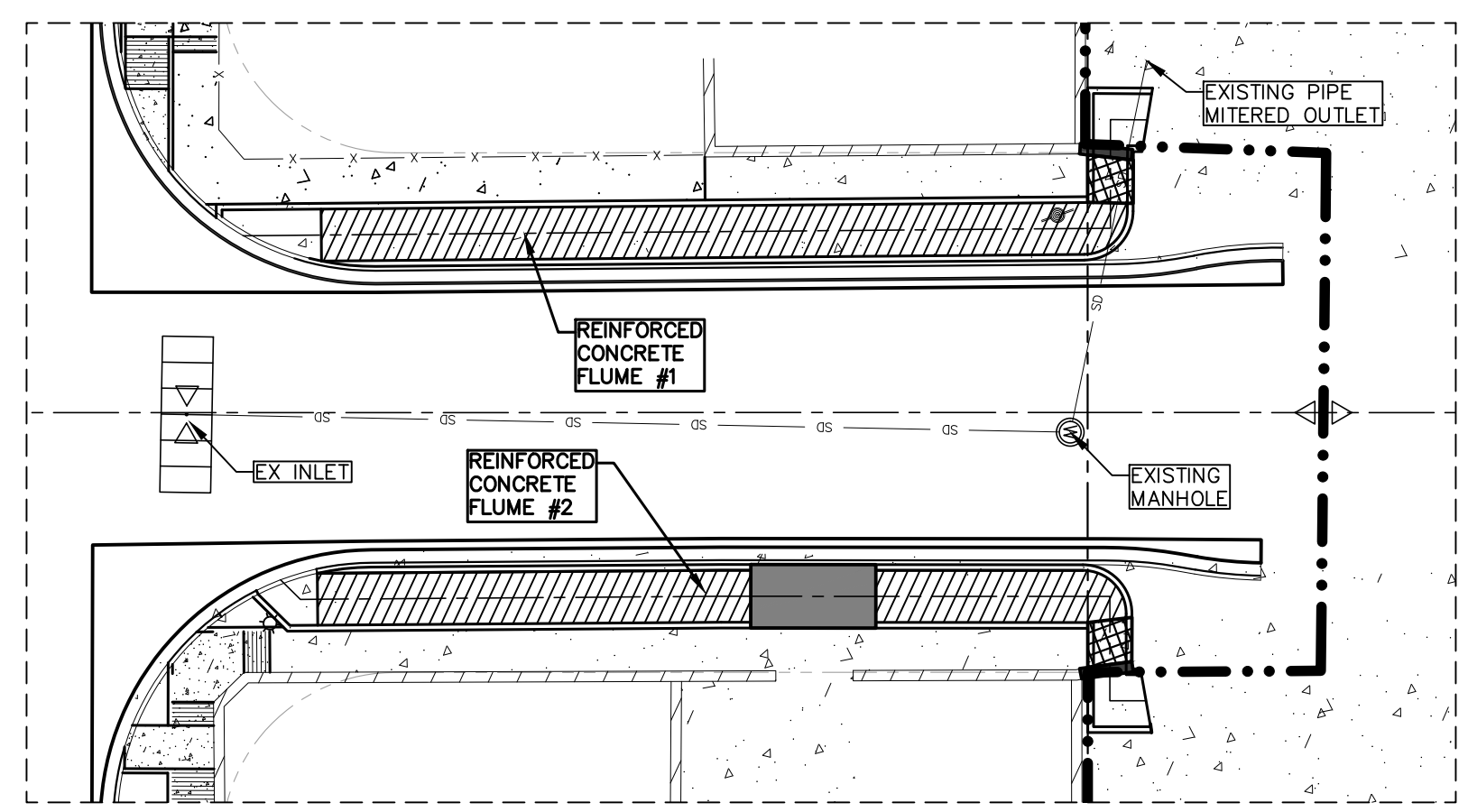
**DROP INLETS**

NO.	EXPECTED FLOW Qexp. (CFS)	ADDITIONAL FLOW Qadd (CFS) FROM INLET #	CROWN Q OVERTOP (CFS)	Q REQUIRED Qactual (CFS)	AVAIL. FLOW CAPACITY Q AVAIL. (CFS)	FLOW BYPASS Qbyp (CFS) TO INLET #	# OF GRATES	TYPE OF INLET	INLET LOCATION
EX-1	23.33	0	0	23.33	76.549	0	8	III	ON SUMP

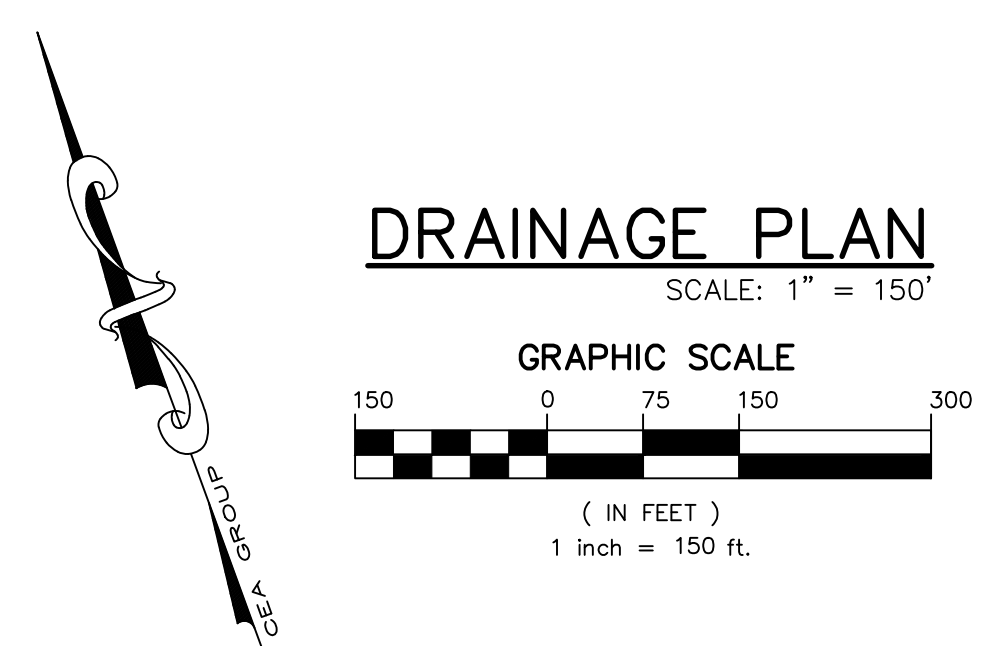
AVAILABLE FLOW CAPACITY SHOWN AT ON-GRADE INLETS REFLECT CAPACITIES WITH INLET GRATE EFFICIENCIES.

**FLUME CALCULATIONS**

FLUME NO.	Q100 EXPECTED (CFS)	Q CAPACITY (CFS)	DEPTH (FT.)	SLOPE	n VALUE
1	23.33	70.00	0.35-3.25	0.30%	0.013
2	23.33	70.00	0.56-3.25	0.30%	0.013



**INSET "A"**  
 SCALE: 1" = 20'



**DRAINAGE PLAN**  
 SCALE: 1" = 150'

**GRAPHIC SCALE**  
 (IN FEET)  
 1 inch = 150 ft.

REFERENCES - BENCHMARKS  
 CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLODESDALE DRIVE AND PALOMINO STREET  
 ELEVATION: 3939.63' (HAND B.S. SHOWN)  
 3928.24' (E.P.V.O.)

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 Suite 300  
 El Paso, TX 79902  
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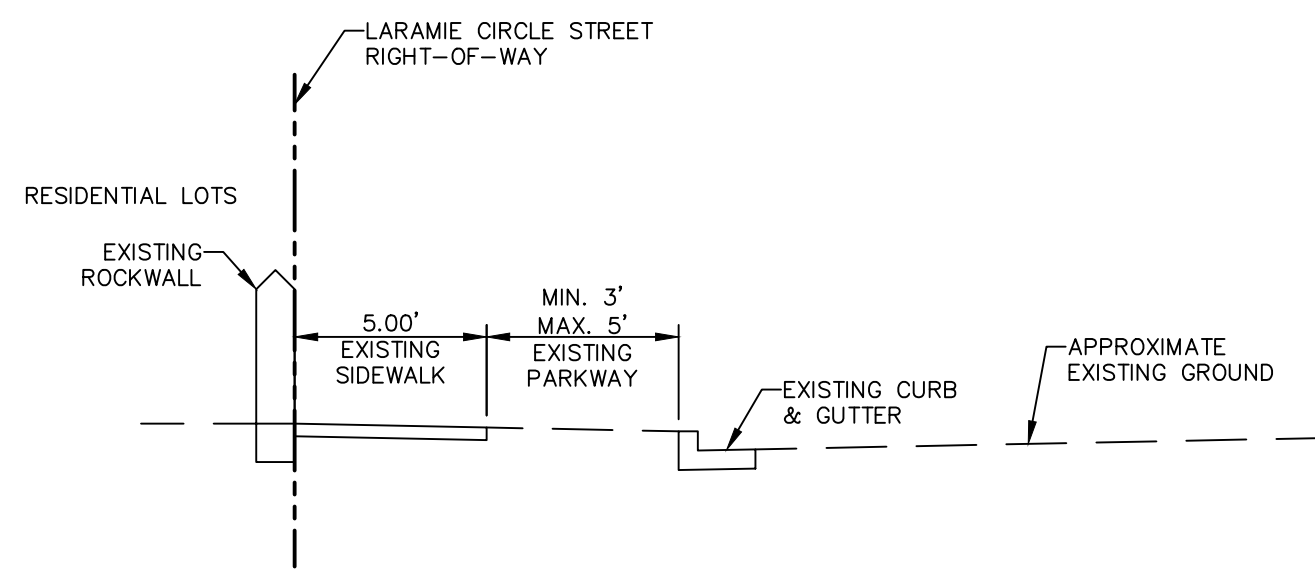
ENGINEER'S SEAL  
 ALAN D. HERRERA  
 10414  
 5/24/23

SCALE: 1" = 150'  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: APRIL 2023  
 DESIGN BY: A.D.H.  
 DRAWN BY: A.D.H./K.A.P.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB NO.: 0001-100

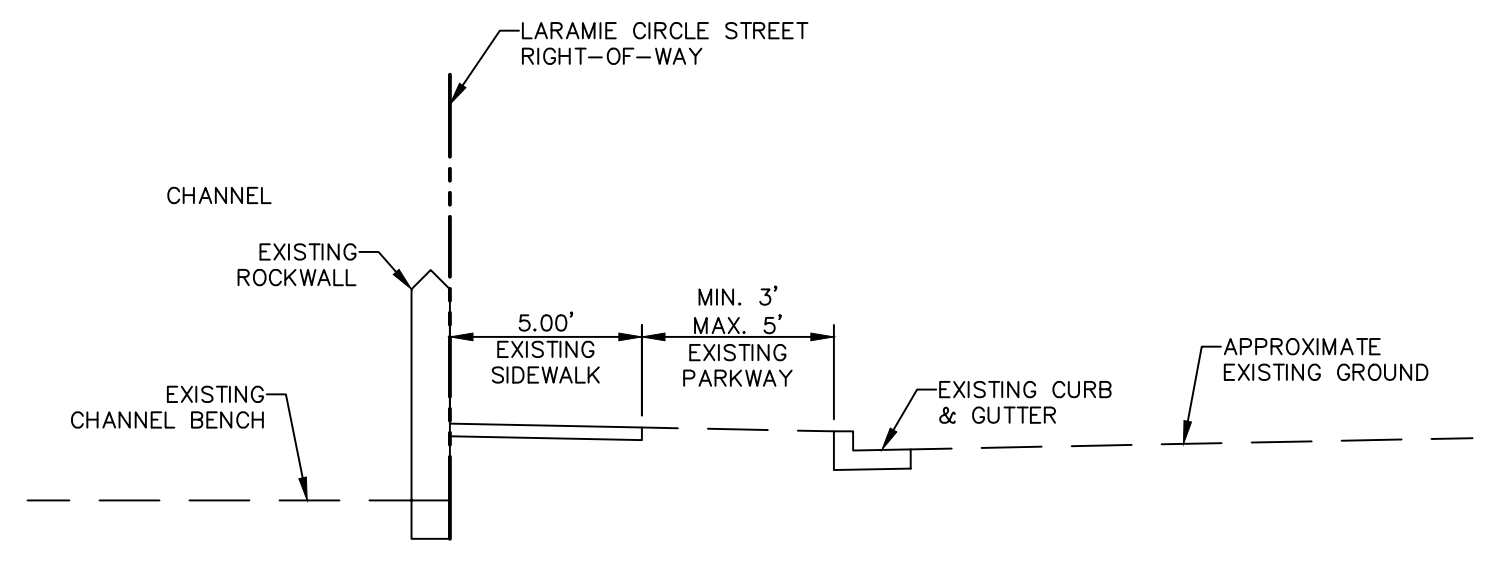
PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

SHEET TITLE  
**DRAINAGE PLAN**

SHEET NO.  
**C5.1**



EXISTING TYPICAL SECTION



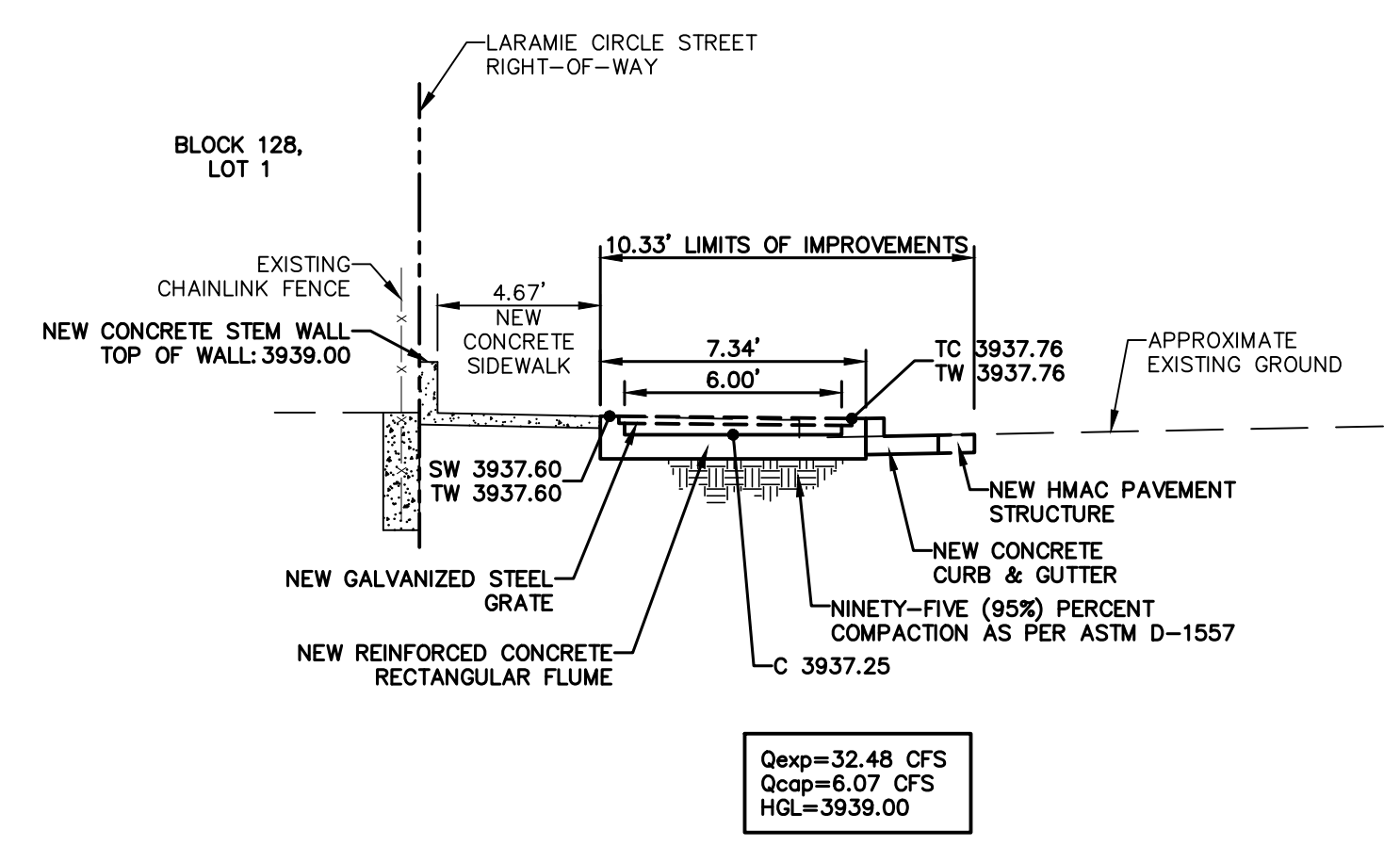
EXISTING TYPICAL SECTION AT CHANNEL

**NOTE:**  
REFER TO DETAILS FOR ADDITIONAL INFORMATION ON IMPROVEMENTS.

UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
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EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 945-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

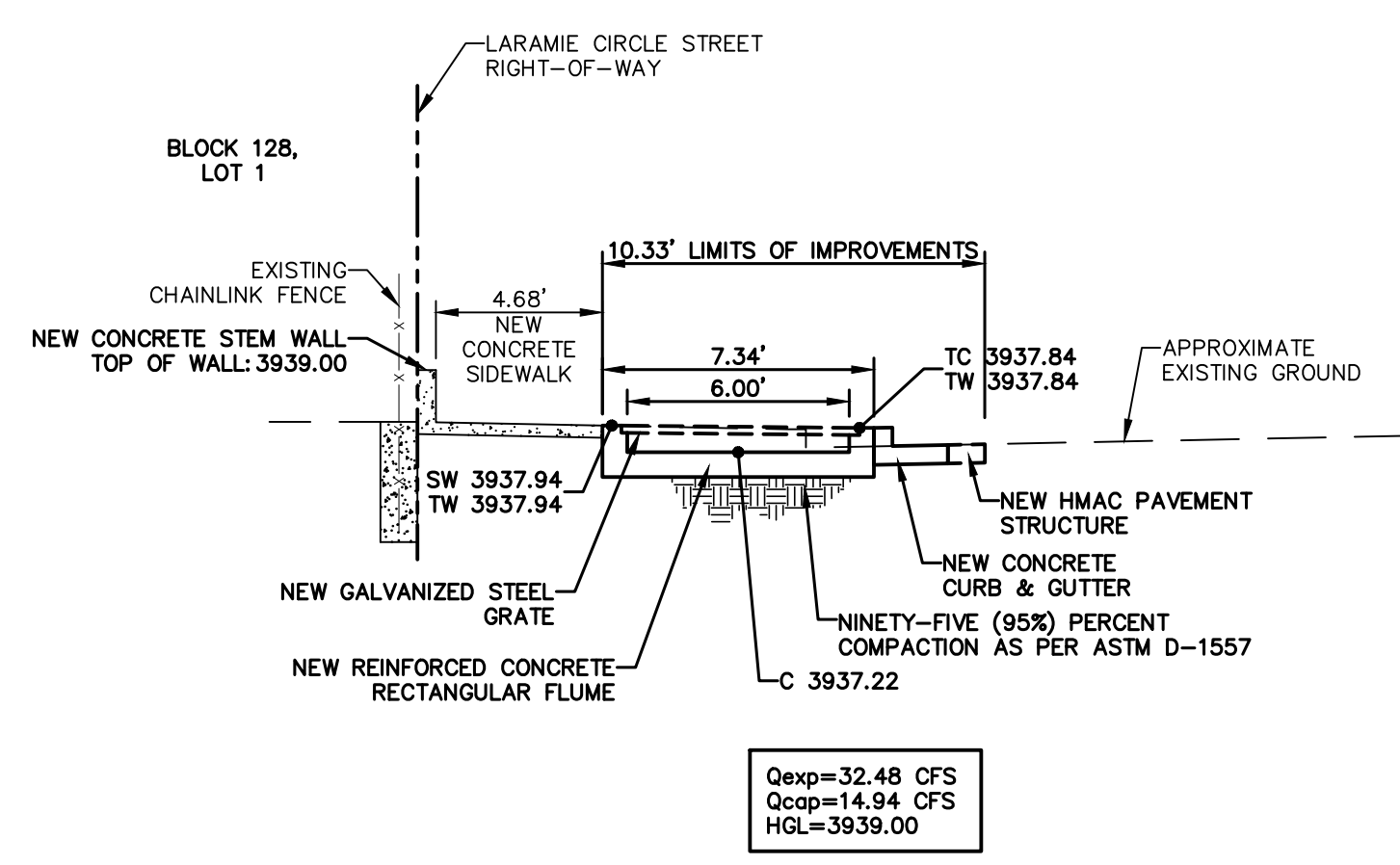
**WARNING!**  
**BEFORE YOU DIG**  
**CALL 811**  
FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS	DATE	REVISIONS	BY
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLODESDALE DRIVE AND PALOMINO STREET			
ELEVATION: 3939.83' (HAND B.S. SHOWN) 3928.24' (E.P.V.L.)			



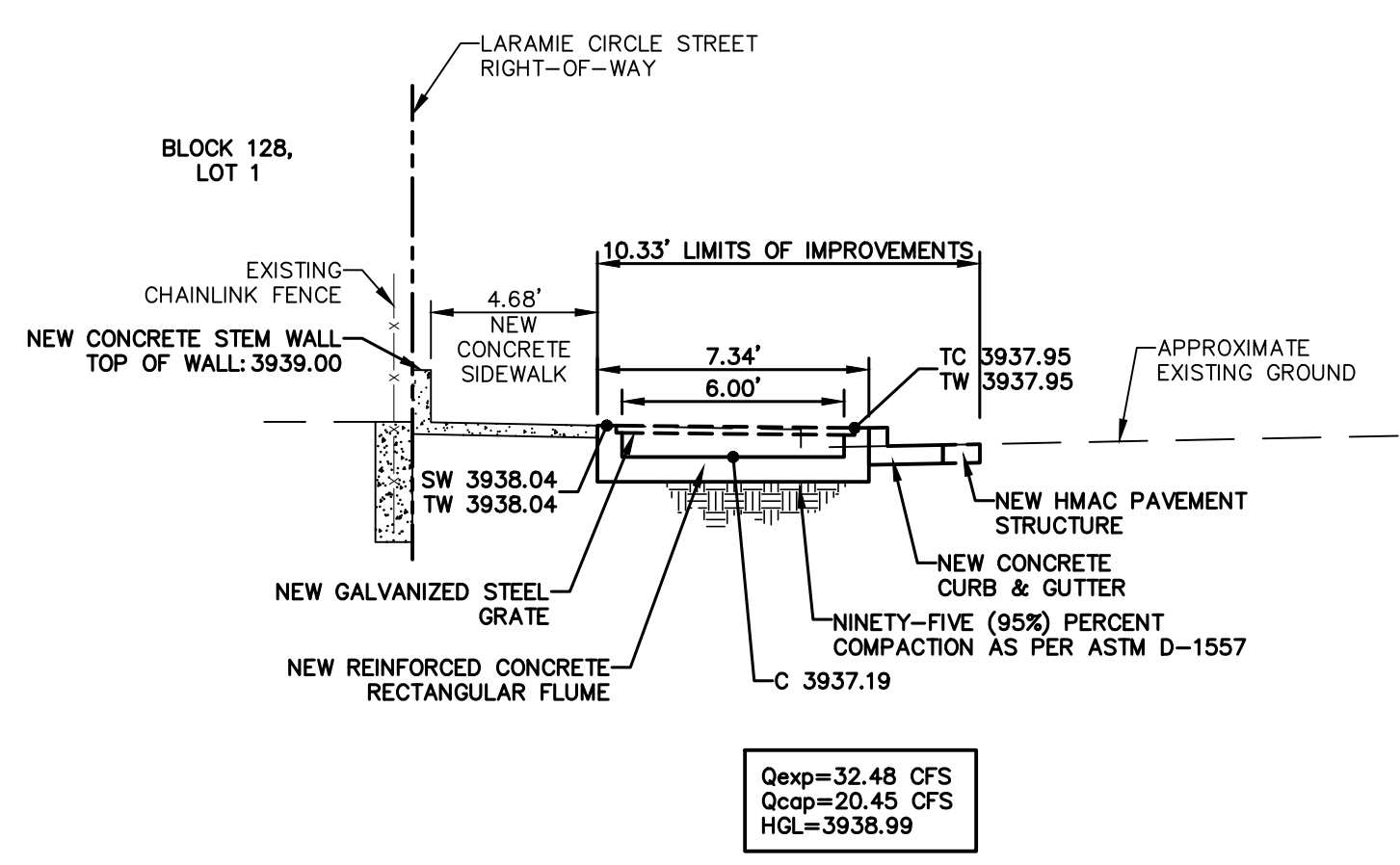
CROSS SECTION @ STA. 2+74.76R  
(NORTH CONCRETE FLUME)

Qexp=32.48 CFS  
Qcap=6.07 CFS  
HGL=3939.00



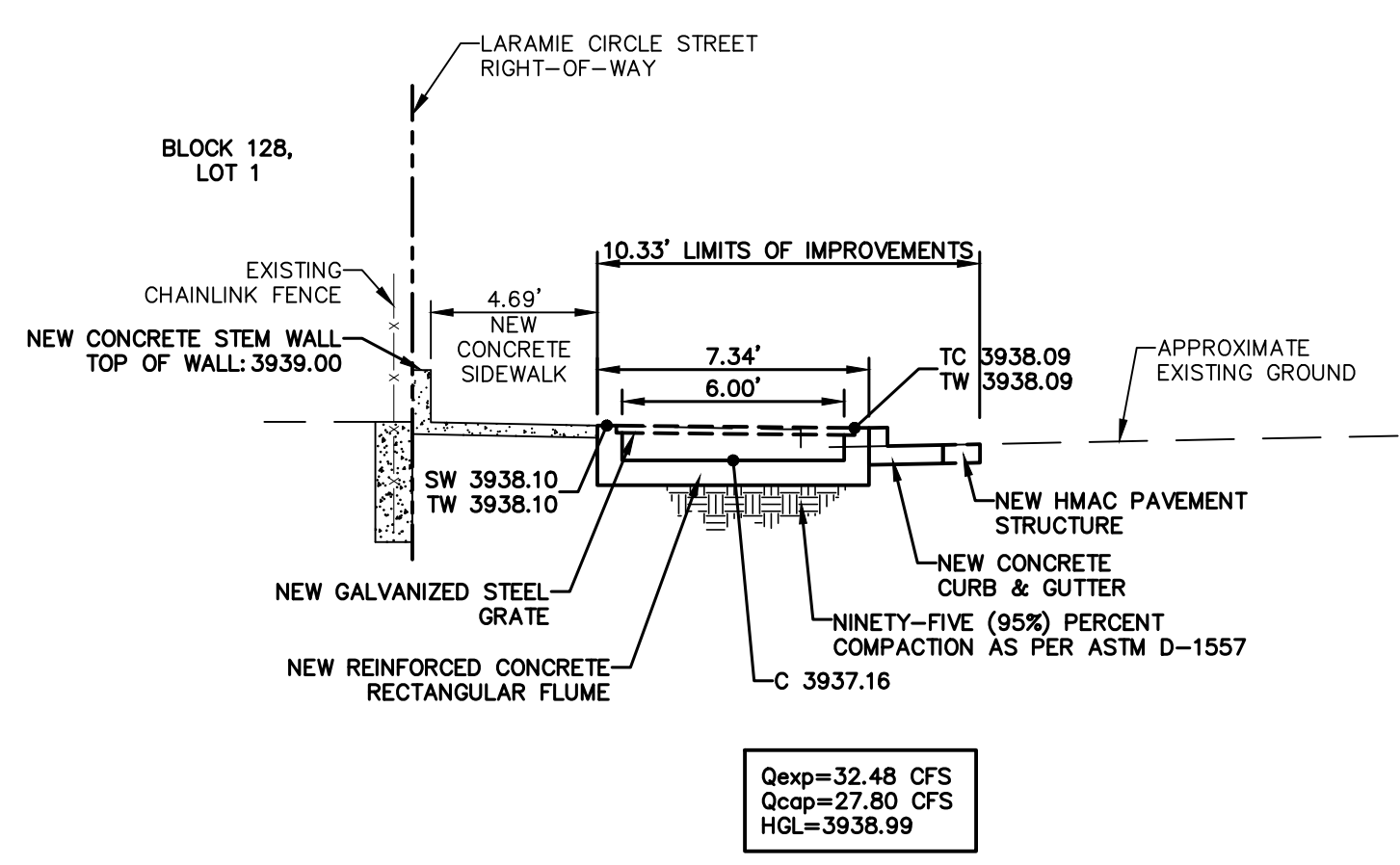
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(NORTH CONCRETE FLUME)

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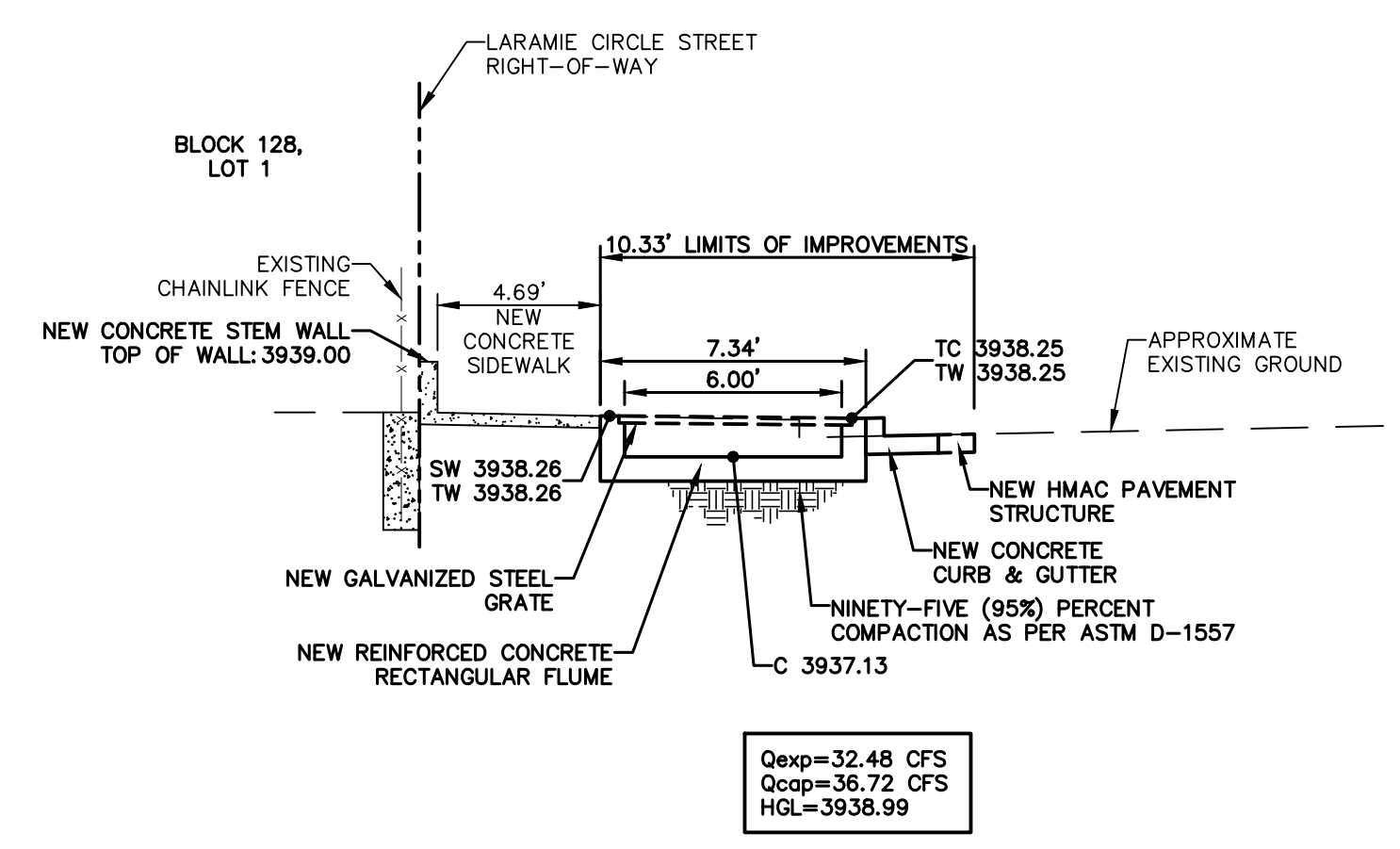
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(NORTH CONCRETE FLUME)

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Qcap=20.45 CFS  
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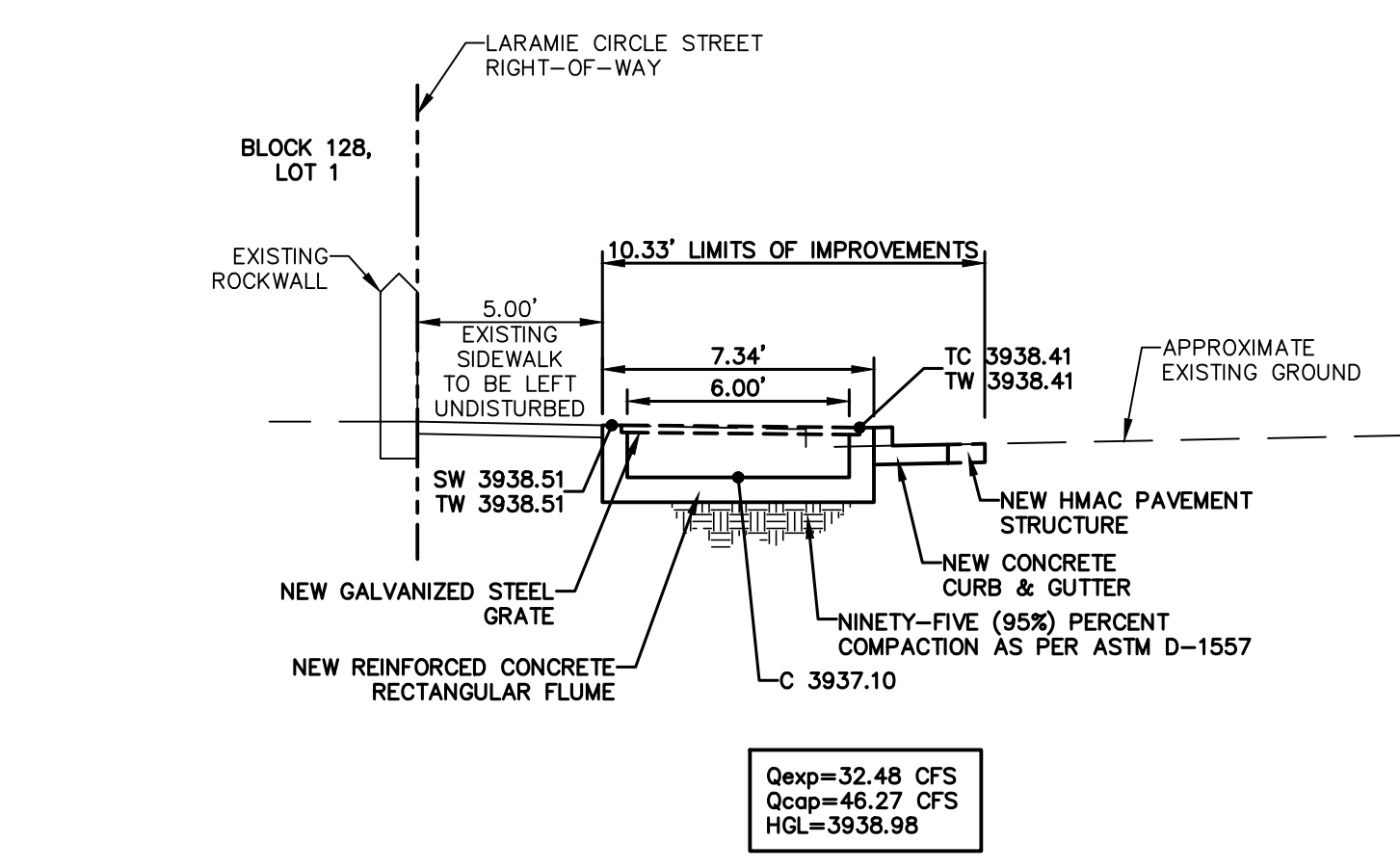
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(NORTH CONCRETE FLUME)

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Qcap=27.80 CFS  
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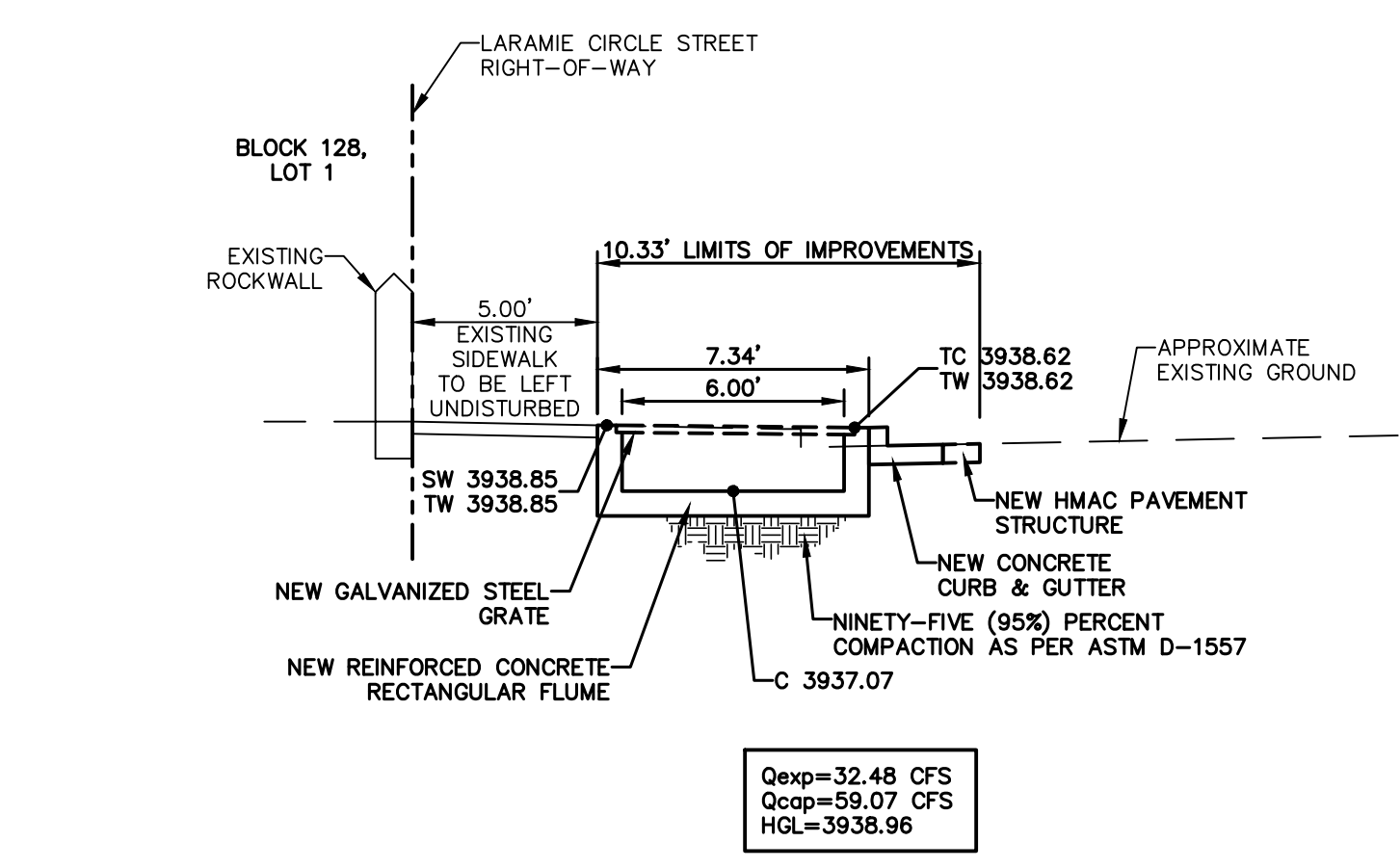
CROSS SECTION @ STA. 2+34.76R  
(NORTH CONCRETE FLUME)

Qexp=32.48 CFS  
Qcap=36.72 CFS  
HGL=3938.99



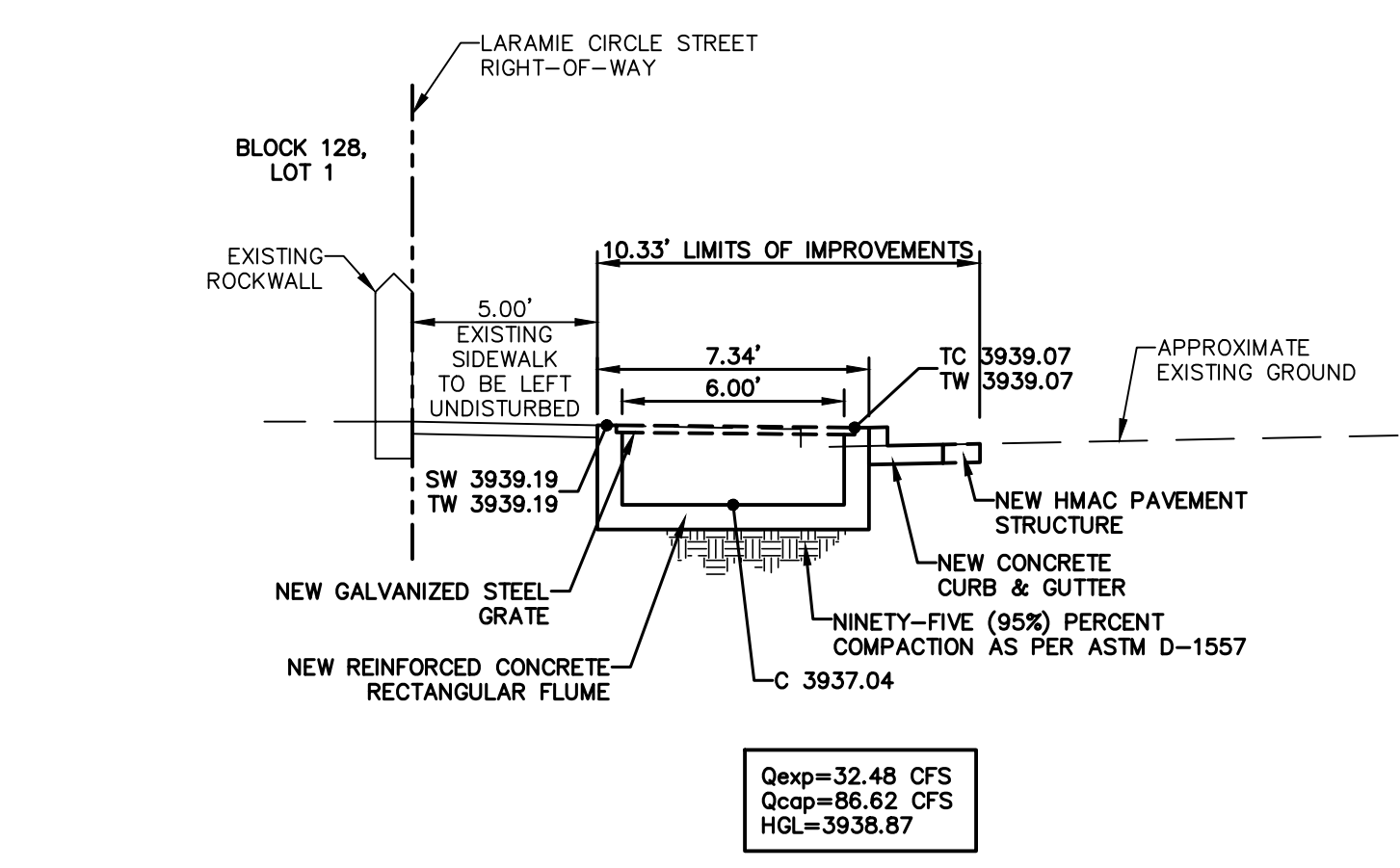
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(NORTH CONCRETE FLUME)

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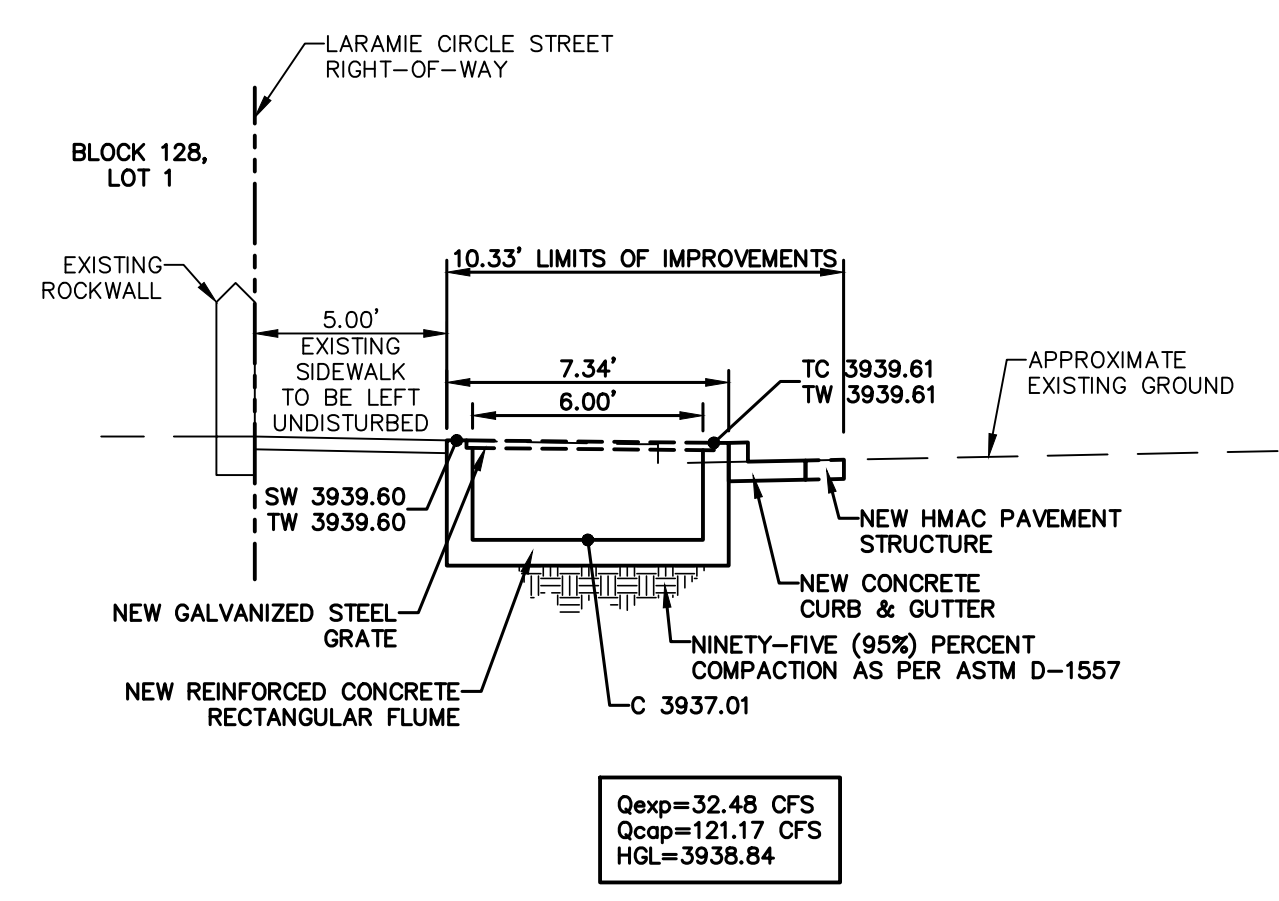
CROSS SECTION @ STA. 2+14.76R  
(NORTH CONCRETE FLUME)

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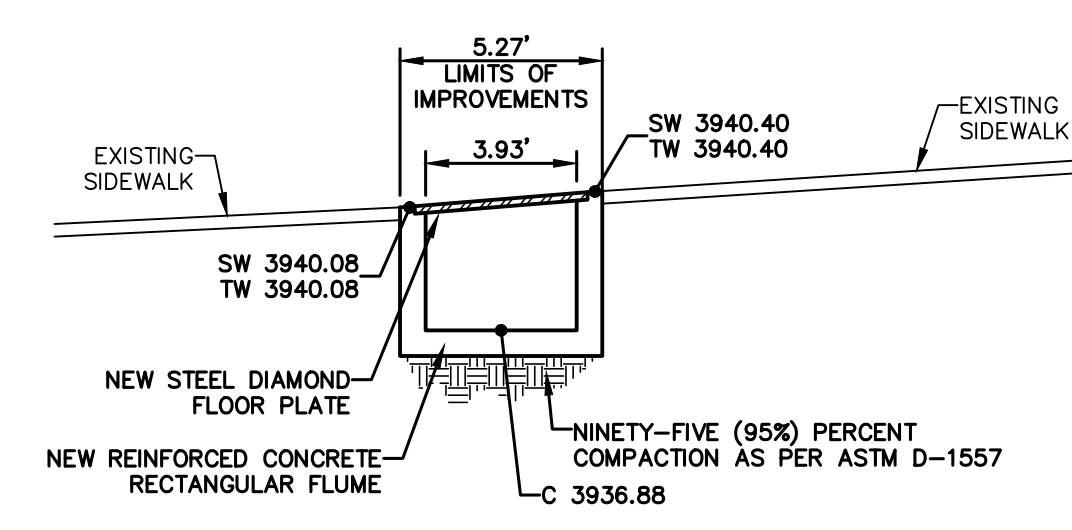
CROSS SECTION @ STA. 2+04.76R  
(NORTH CONCRETE FLUME)

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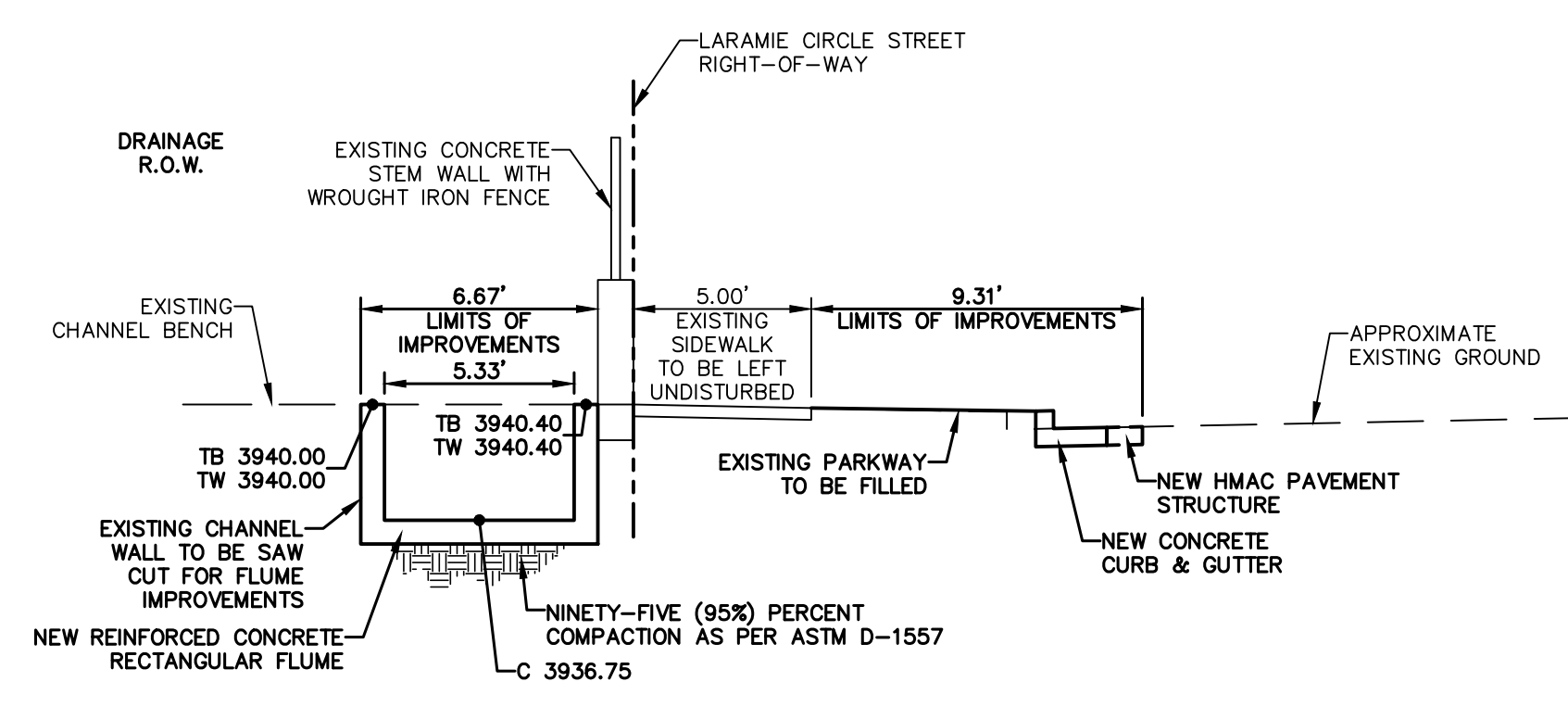
CROSS SECTION @ STA. 1+94.76R  
(NORTH CONCRETE FLUME)

Qexp=32.48 CFS  
Qcap=121.17 CFS  
HGL=3938.84



CROSS SECTION @ STA. 1+80.44R  
(NORTH CONCRETE FLUME)

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Qcap=160.88 CFS  
HGL=3938.43

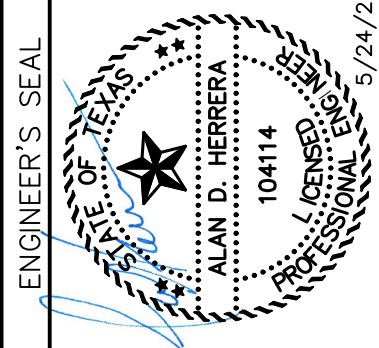


CROSS SECTION @ STA. 1+66.86R  
(NORTH CONCRETE FLUME)

Qexp=32.48 CFS  
Qcap=164.21 CFS  
HGL=3938.16

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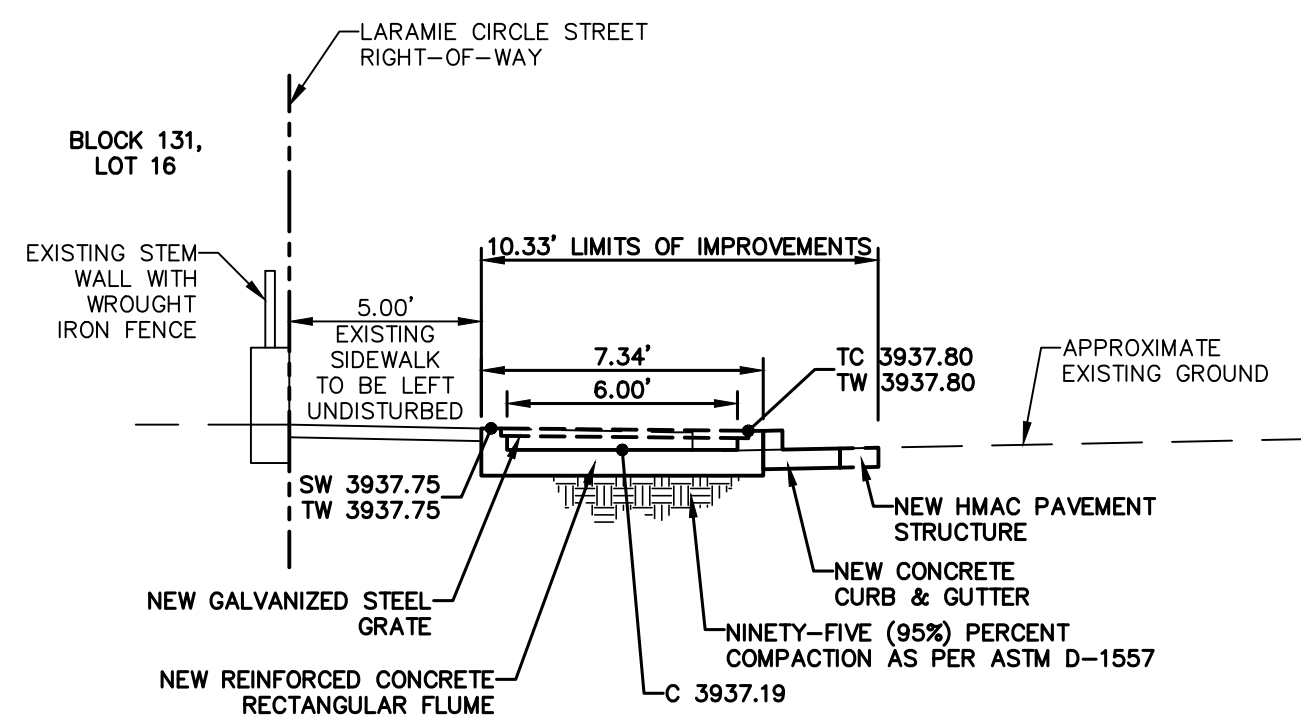
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Horizontal: 1" = 1'-0"  
Vertical: 1" = 1'-0"  
Contour Interval: 1' / A

DATE: APRIL 2023  
DESIGN BY: A.D.H.  
DRAWN BY: A.D.H./K.A.P.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.  
JOB NO.: 0001-100

PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

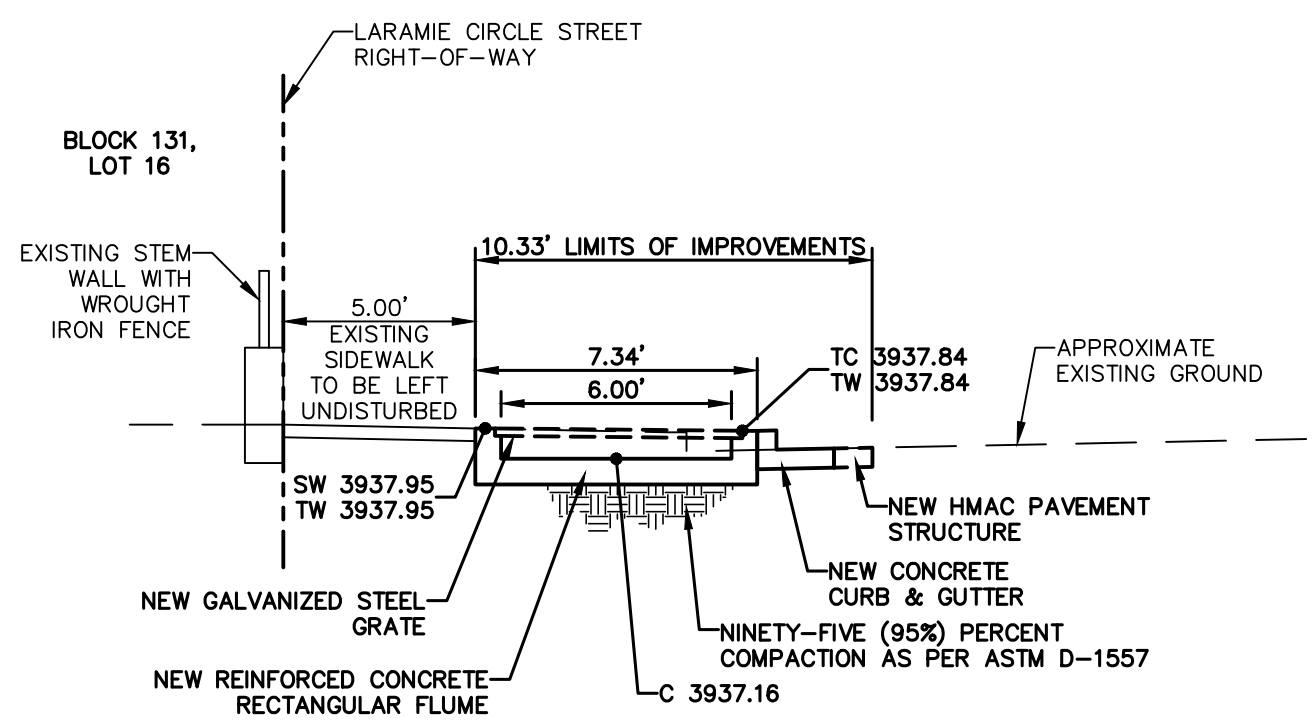
SHEET TITLE  
GRADING SECTIONS  
(SHEET 1 OF 2)  
SHEET NO.

C6.1



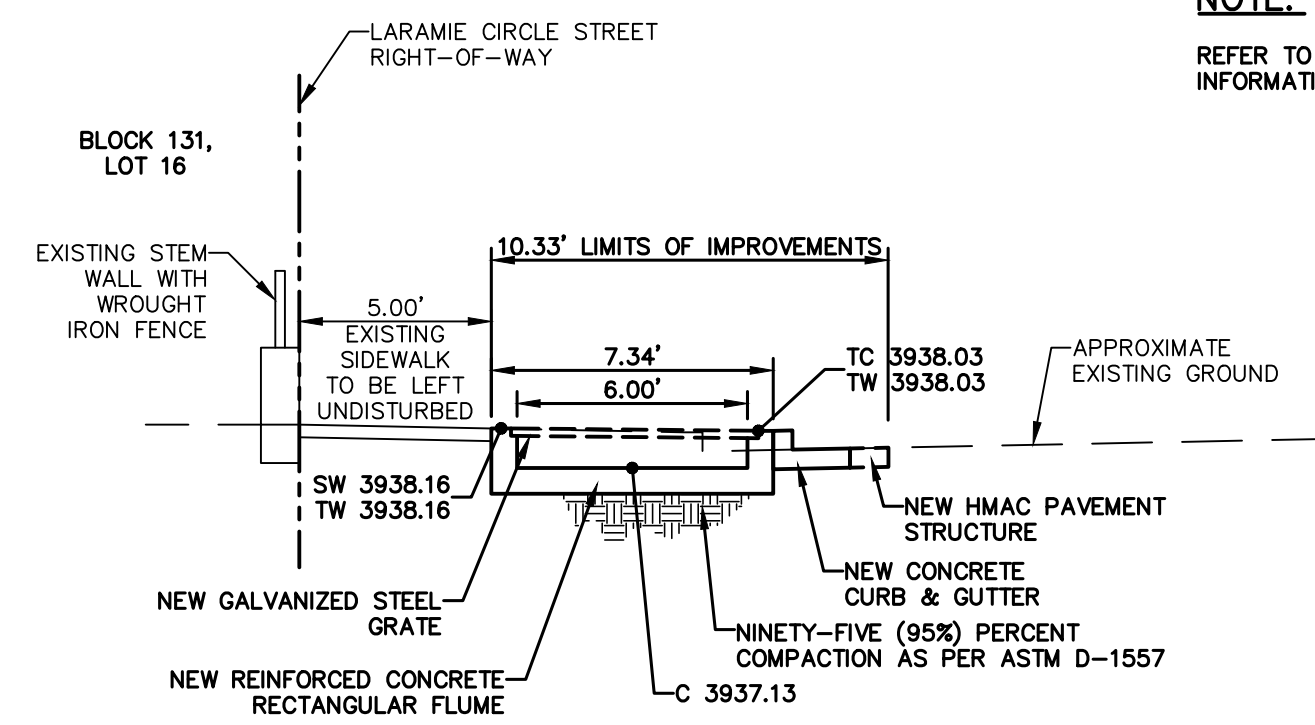
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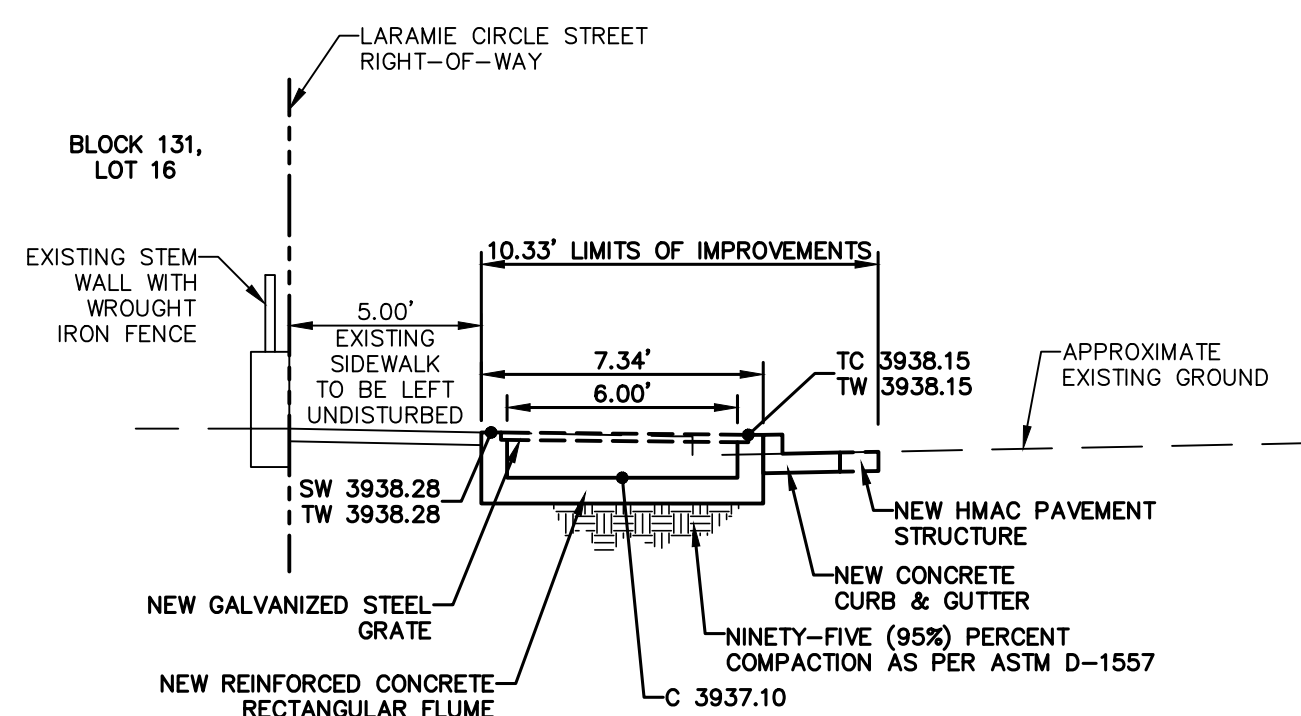
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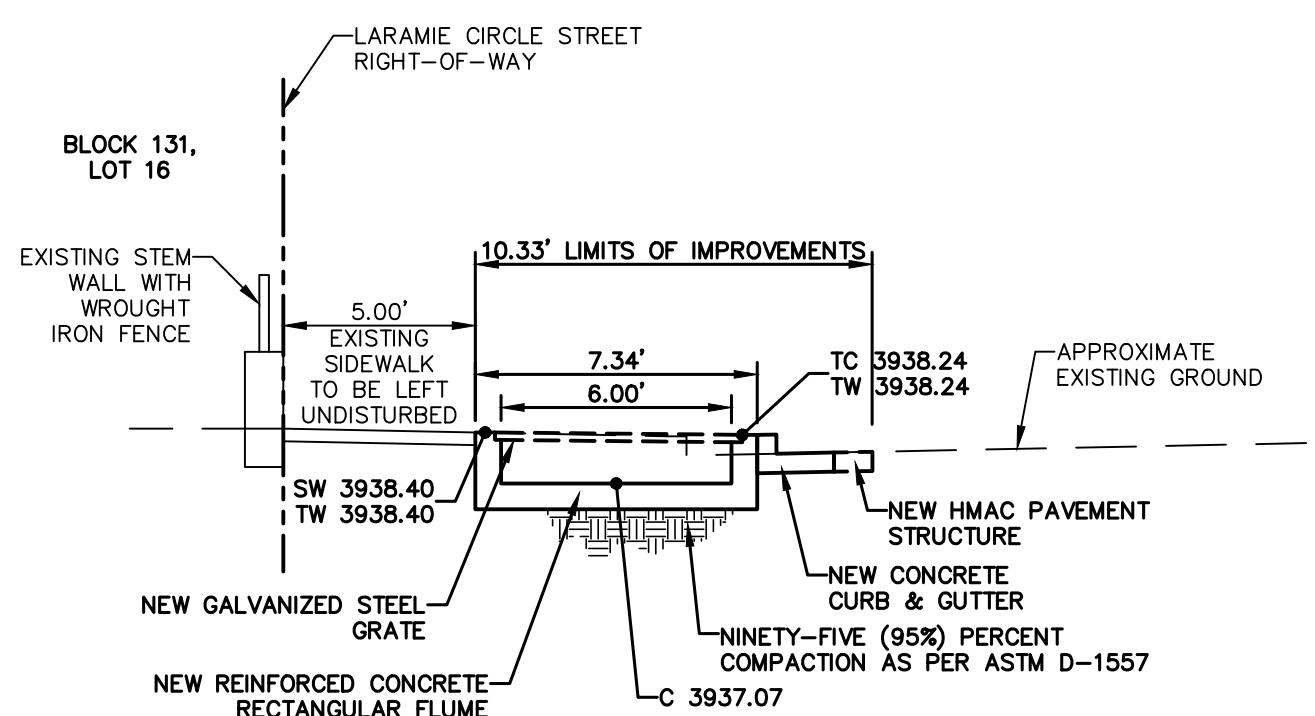
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CROSS SECTION @ STA. 2+55.20L  
(SOUTH CONCRETE FLUME)



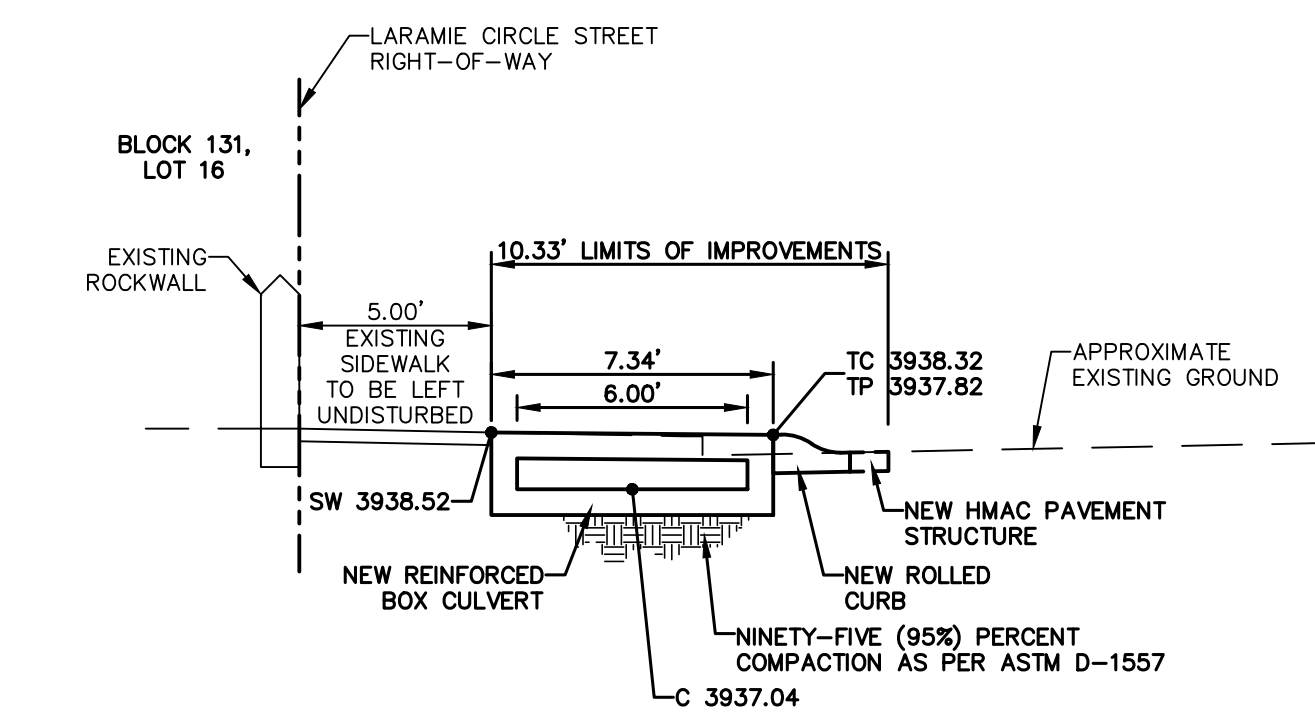
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Qocc=33.36 CFS  
HGL=3938.99

CROSS SECTION @ STA. 2+45.20L  
(SOUTH CONCRETE FLUME)



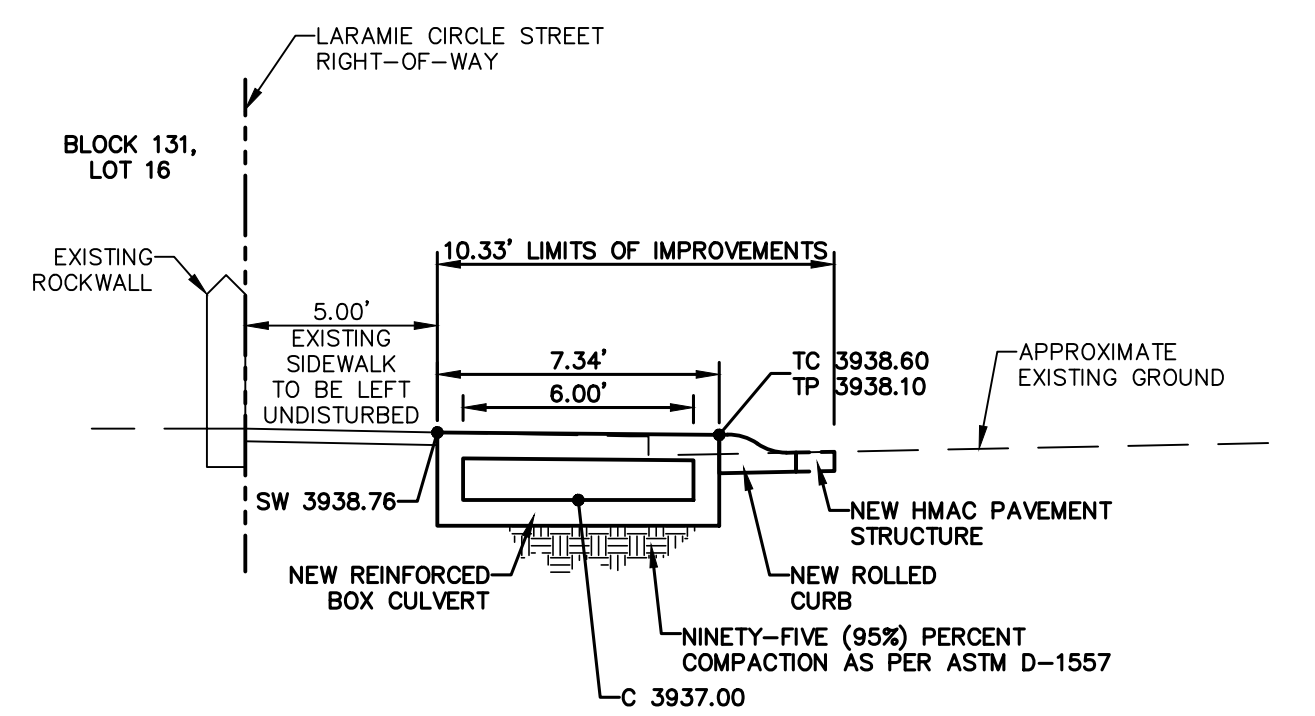
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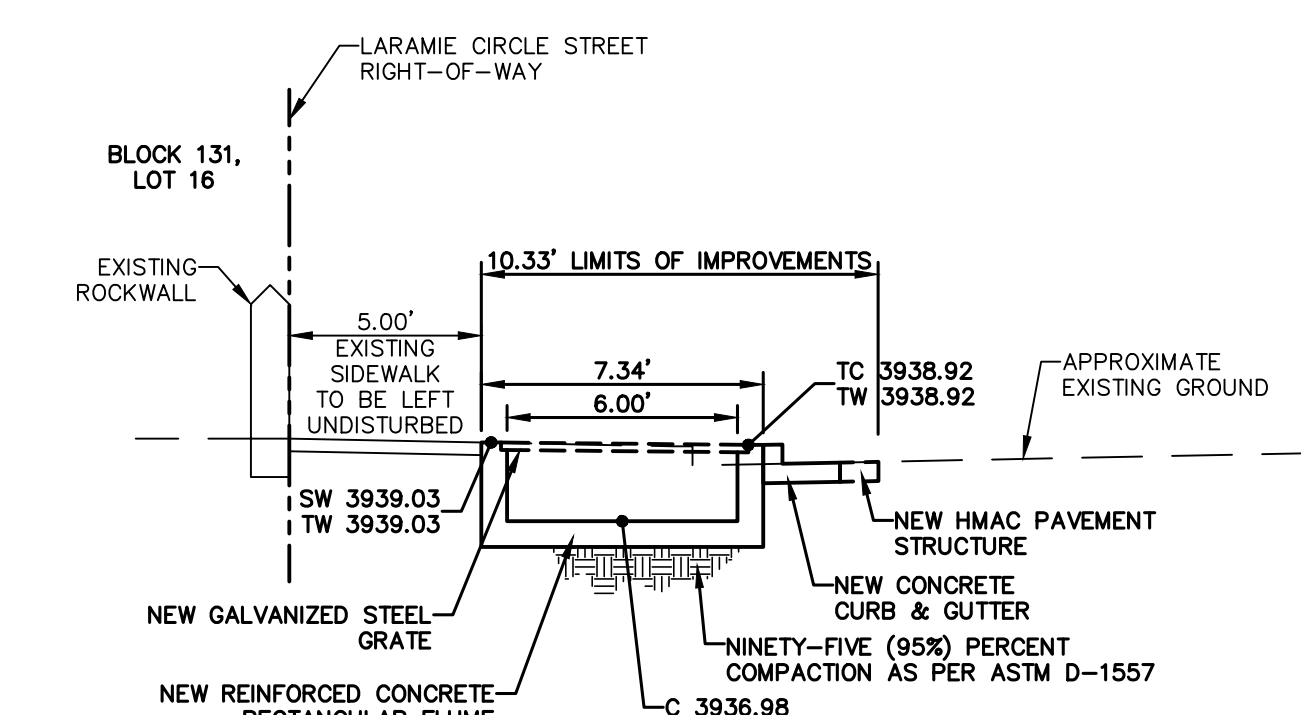
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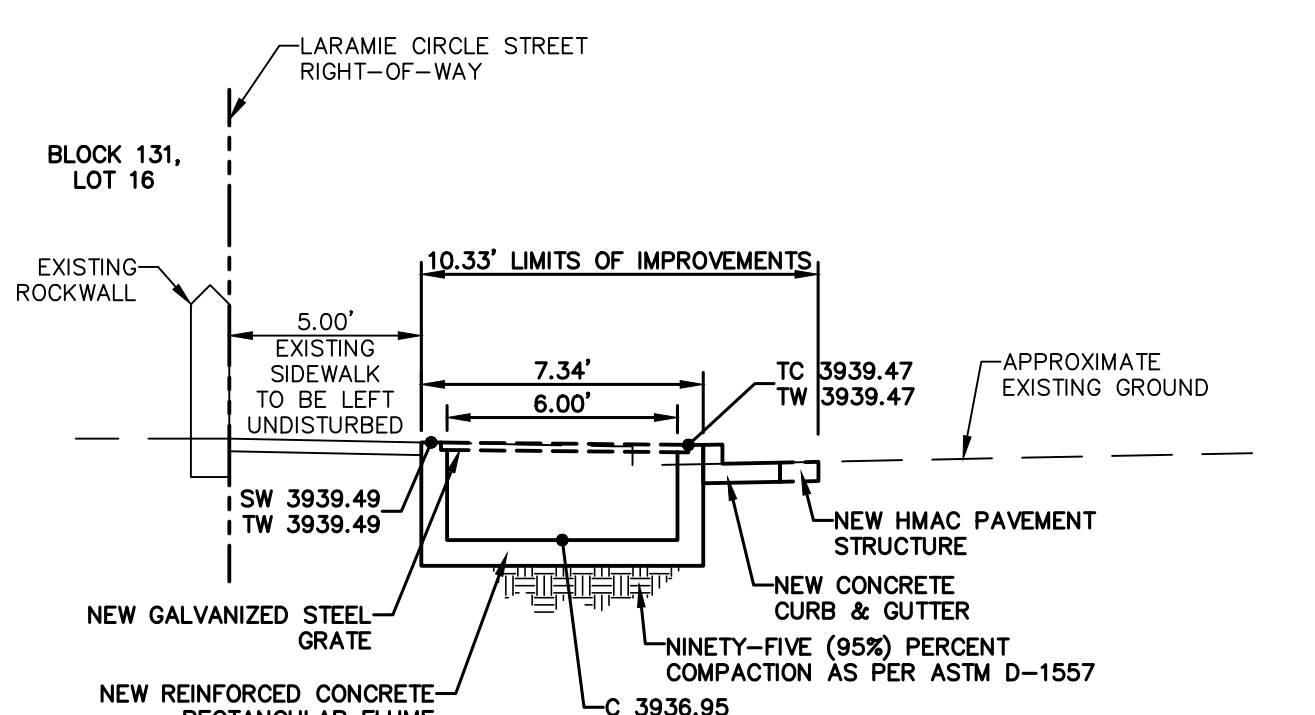
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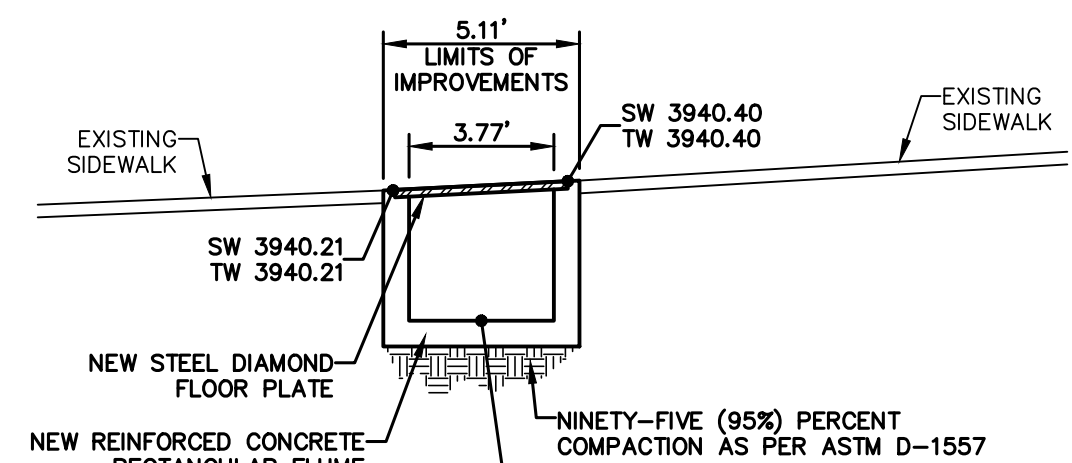
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CROSS SECTION @ STA. 2+05.18L  
(SOUTH CONCRETE FLUME)



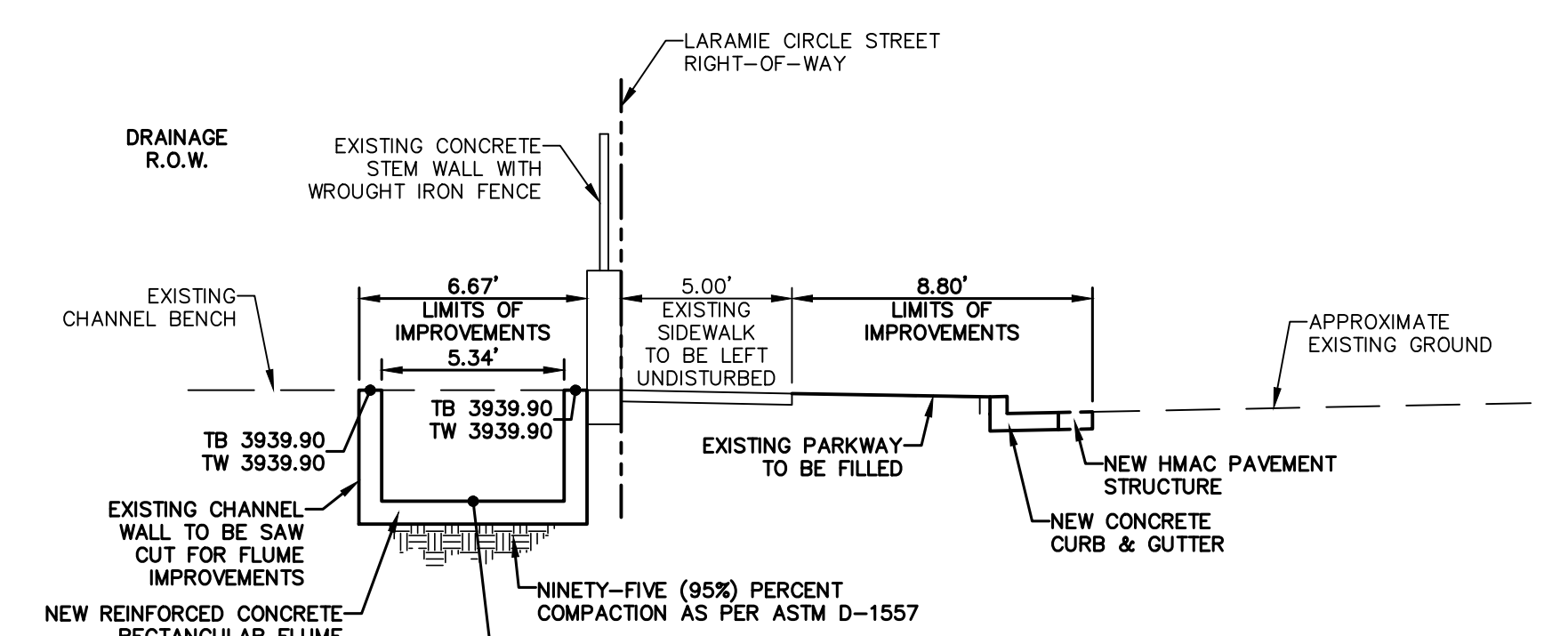
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CROSS SECTION @ STA. 1+95.18L  
(SOUTH CONCRETE FLUME)



Qexp=32.48 CFS  
Qocc=173.58 CFS  
HGL=3938.43

CROSS SECTION @ STA. 1+80.69L  
(SOUTH CONCRETE FLUME)



Qexp=32.48 CFS  
Qocc=184.21 CFS  
HGL=3938.16

CROSS SECTION @ STA. 1+67.51L  
(SOUTH CONCRETE FLUME)

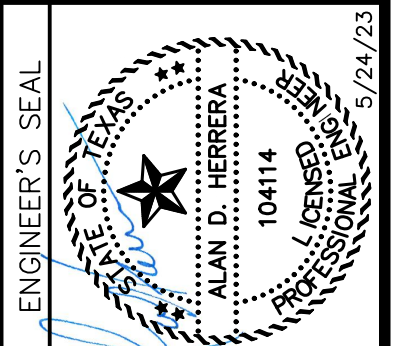
NOTE:  
REFER TO DETAILS FOR ADDITIONAL  
INFORMATION ON IMPROVEMENTS.

UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 945-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

**WARNING!**  
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FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS	DATE	REVISIONS	BY
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLOESDALE DRIVE AND PALOMINO STREET			
ELEVATION: 3939.83' (HAND SHOWN)			
3928.24' (E.P.V.D.)			

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SCALE:  
Horizontal: 1" = 1'-0"  
Vertical: 1" = 1'-0"  
Contour Interval: 1' / 4"  
DATE: APRIL 2023  
DESIGN BY: A.D.H.  
DRAWN BY: A.D.H./K.A.P.  
CHKD. BY: J.L.A.  
APPVD. BY: J.L.A.  
JOB No.: 0001-100

PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

SHEET TITLE  
**GRADING SECTIONS**  
(SHEET 2 OF 2)  
SHEET NO.

C6.2

**DEMOLITION NOTES**

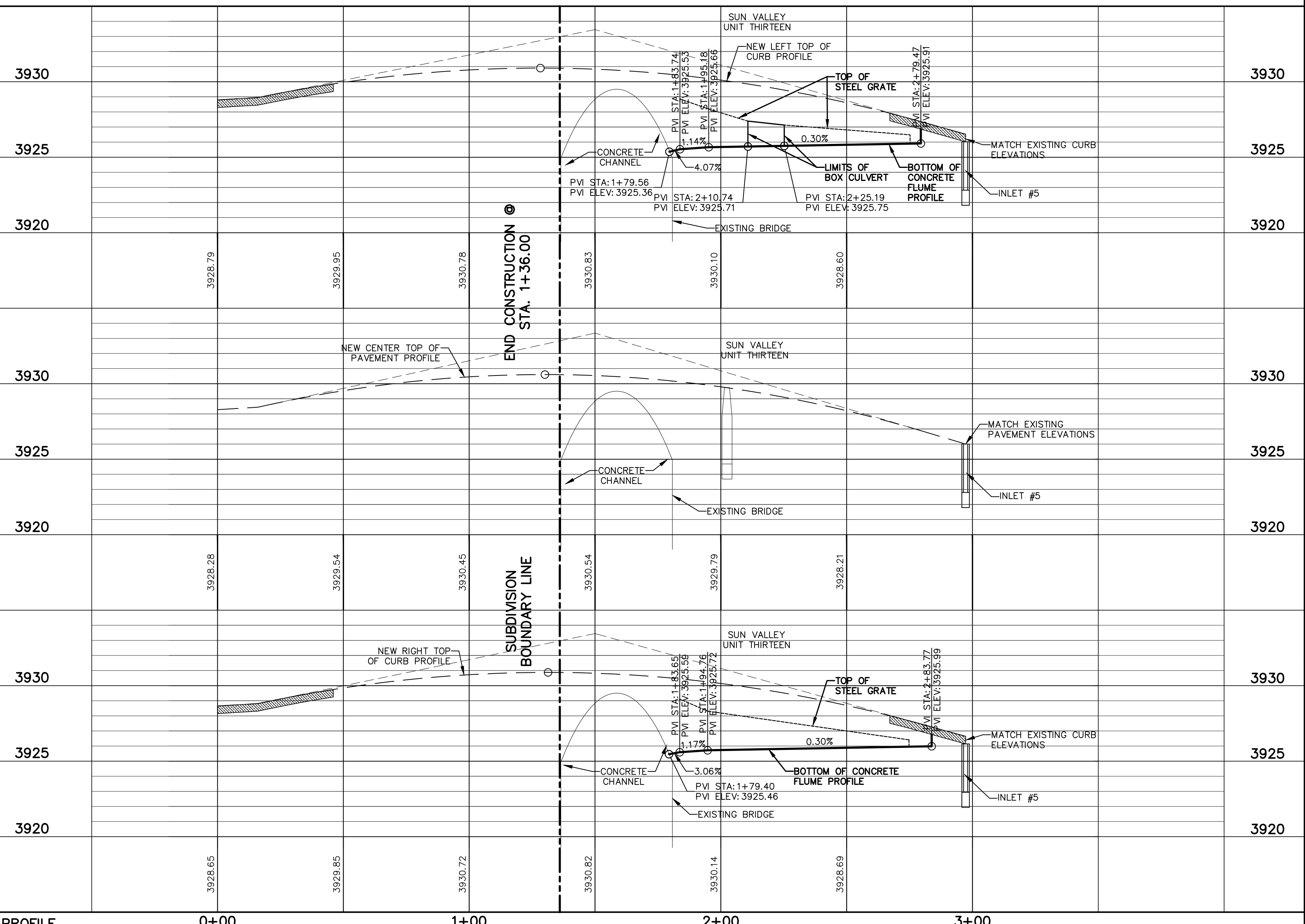
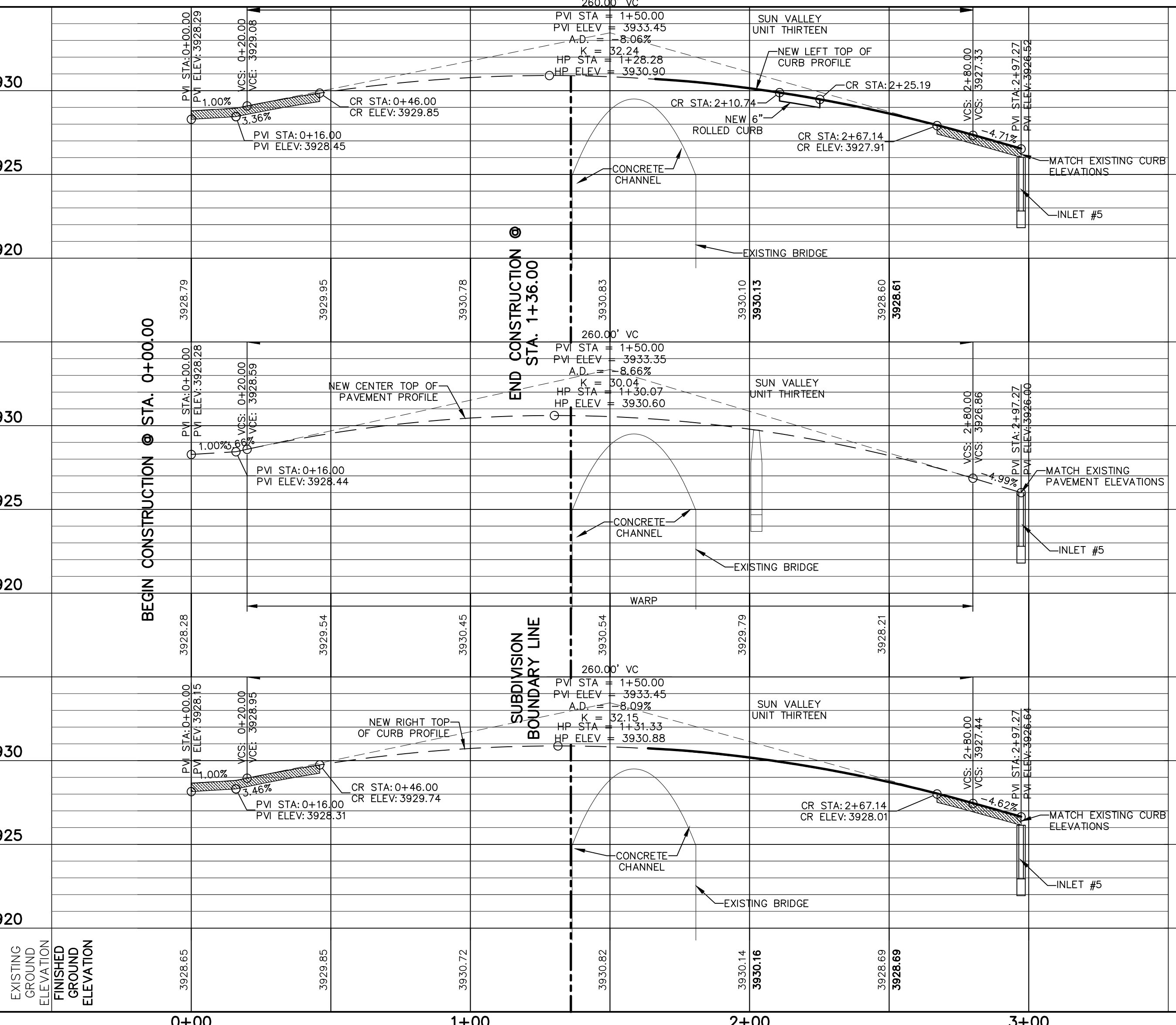
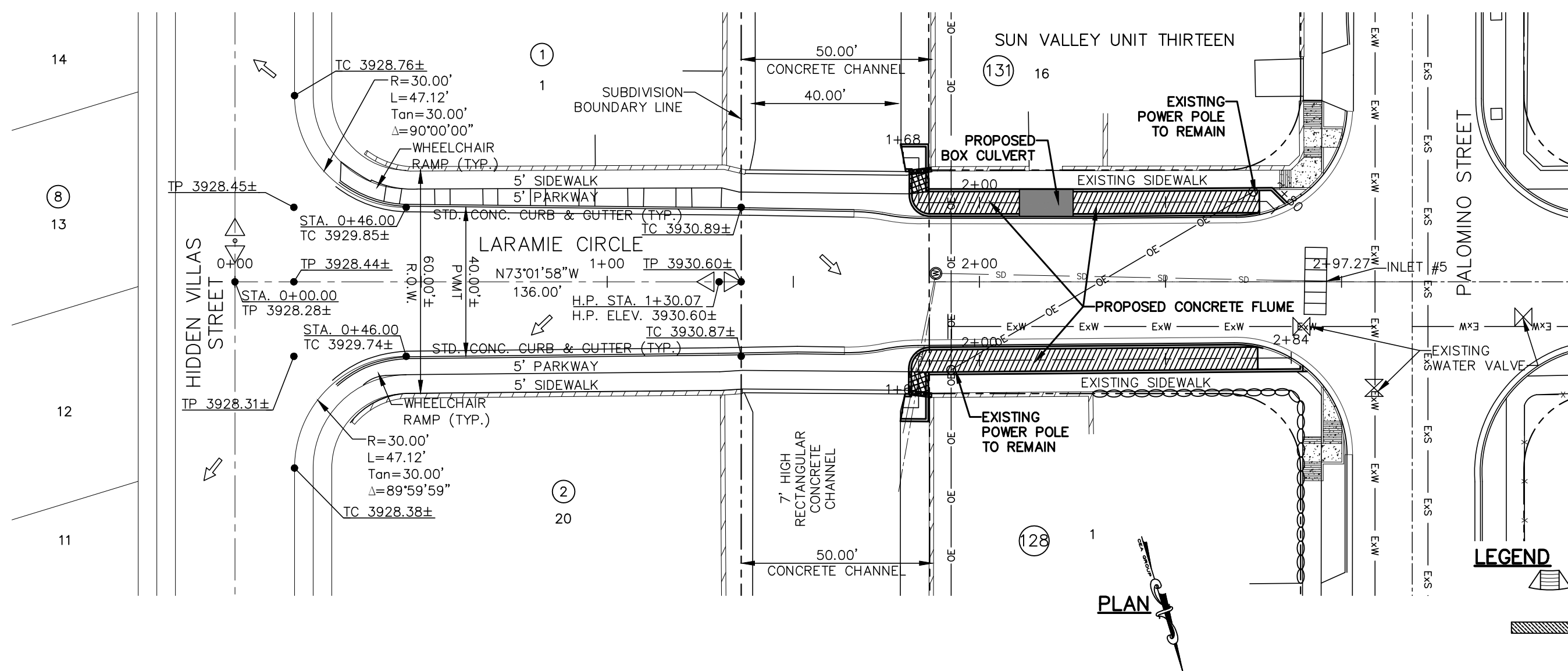
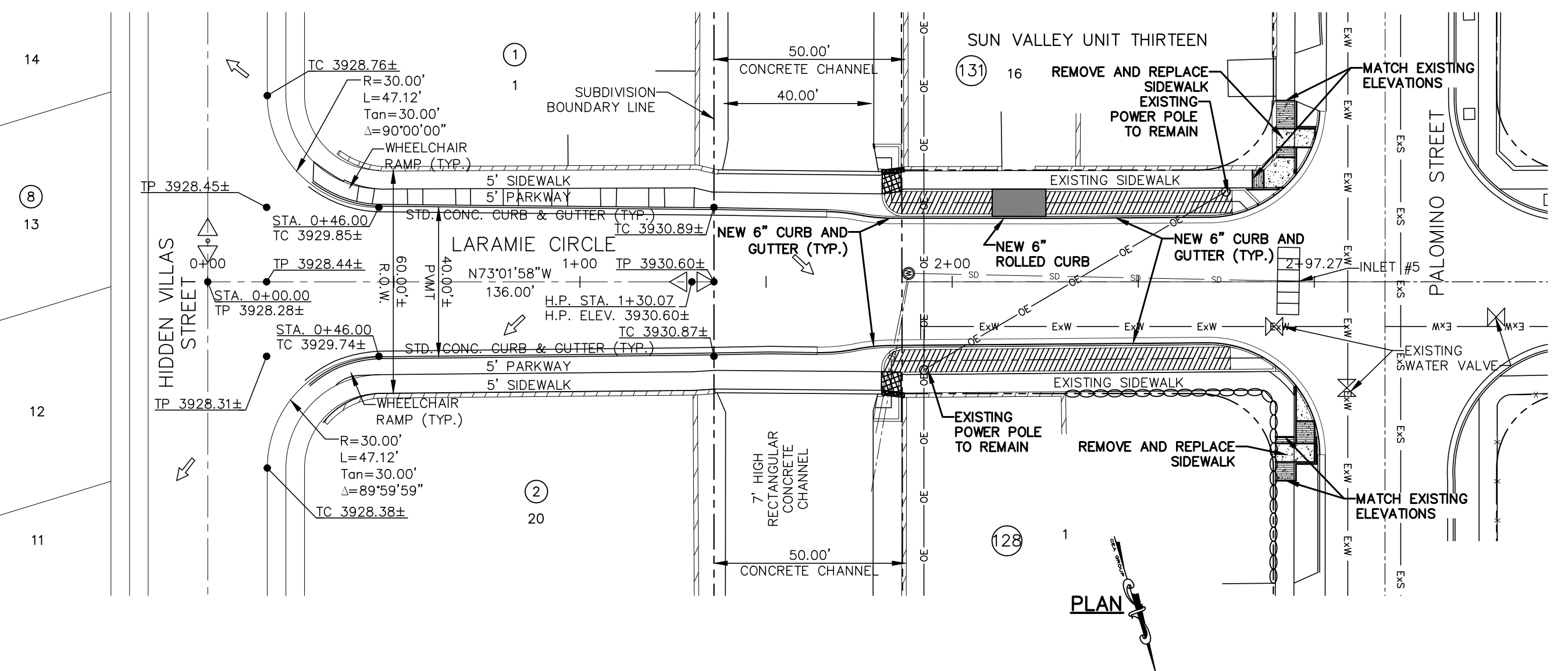
- ADJUST ALL UTILITY MANHOLES, VALVE COVERS, AND FIRE HYDRANTS TO MATCH PROPOSED GROUND AND PAVEMENT ELEVATIONS. COORDINATE WITH THE AFFECTED UTILITY COMPANY, PRIOR TO CONSTRUCTION, TO ENSURE COMPLIANCE WITH THE UTILITY STANDARDS.
- ALL UNDERGROUND UTILITIES SHALL MAINTAIN EIGHTEEN (18") INCHES OF COVER DURING CONSTRUCTION.
- INSTALL TEMPORARY TRAFFIC SIGNAGE.
- ALL AERIAL TELEPHONE, TRIPLEX, CONDUCTORS, CABLE, ETC. SHALL REMAIN UNDISTURBED, UNLESS OTHERWISE NOTED. COORDINATE WITH APPROPRIATE UTILITY COMPANY IF ANY ADJUSTMENTS ARE REQUIRED.
- MAINTAIN ALL WORK WITHIN PROJECT LIMITS. INTERSECTING STREETS SHALL BE ADJUSTED TO MATCH IMPROVEMENTS.
- SAW CUT ASPHALT PAVEMENT AND SITE CONCRETE AT PROJECT LIMITS, OR TO NEAREST JOINT.
- COORDINATE WITH ADJACENT PROPERTY OWNERS FOR ROCKWALL REMOVAL AND RECONSTRUCTION OF NEW ROCKWALL/RETAINING WALL.
- CAP, PLUG, RELOCATE AND RECONNECT IRRIGATION LINES AND RELATED APPURTENANCE WITHIN THE PARKWAY IN LARAMIE CIRCLE. REMOVE AND PROPERLY DISPOSE OFF OF ANY LANDSCAPING TREES/BUSHES IN THE PARKWAY. REPLACE AT THE END OF THE PROJECT.
- DEMOLITION ACTIVITIES SHALL BE KEPT TO THE LIMITS OF DEMOLITION SHOWN AND TO BE WITHIN STREET RIGHT-OF-WAY. ANY DAMAGE DONE OUTSIDE RIGHT-OF-WAY SHALL BE REPAIRED AT ORIGINAL CONDITION OR BETTER.
- DEMOLITION ACTIVITIES WITHIN CHANNEL SHALL BE TO NEAREST CONSTRUCTION JOINT. ANY DAMAGE DONE BEYOND LIMITS SHALL BE REPAIRED AT ORIGINAL CONDITION OR BETTER.
- EPWATER SHALL BE NOTIFIED ONE (1) WEEK PRIOR TO COMMENCING DEMOLITION CONSTRUCTION ACTIVITIES AT CHANNEL.

**UTILITY LOCATOR SERVICES**

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**WARNING!**  
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FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS	BY
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLOSDALE DRIVE AND PALOMINO STREET	DATE
ELEVATION: 3928.24' (E.P.V.D. SHOWN)	REVISIONS



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ENGINEER'S SEAL  
ALAN D. HERRERA  
10414  
5/24/23

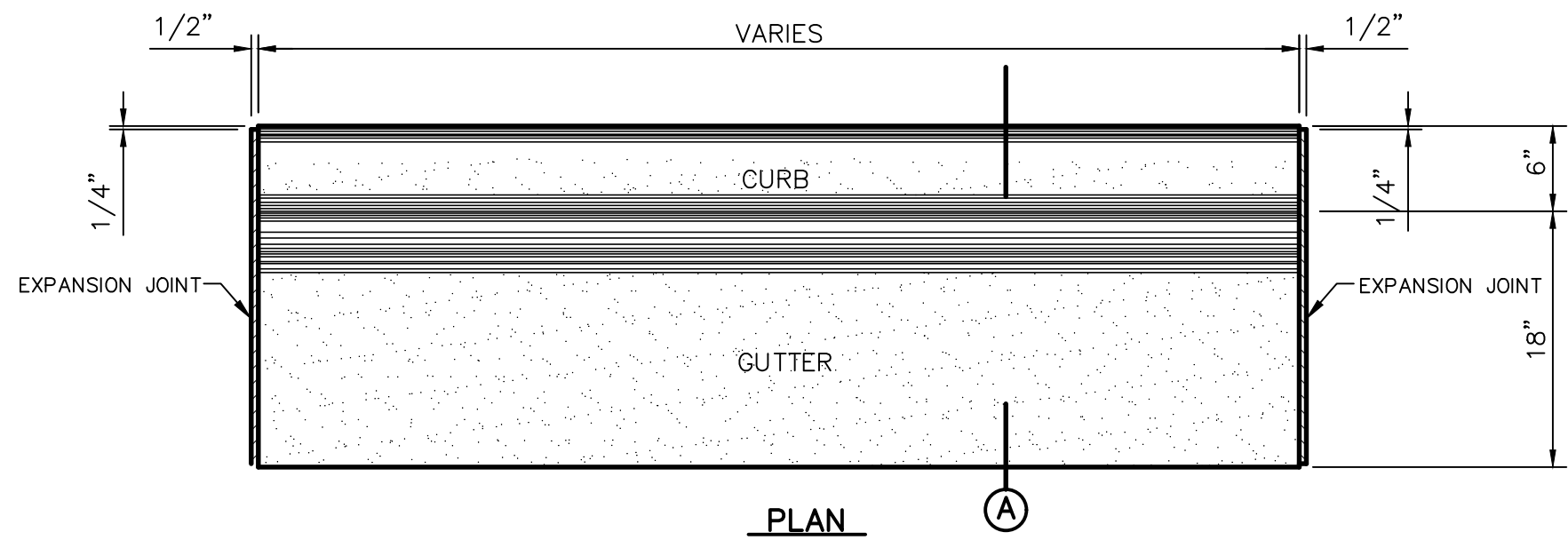
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Vertical: 1"=5'  
Contour Interval: 1' / A

DATE: FEB. 2023  
DESIGN BY: ADH  
DRAWN BY: ADH  
CHKD. BY: JLA  
APPVD. BY: JLA  
JOB No.: XXXX-XXX

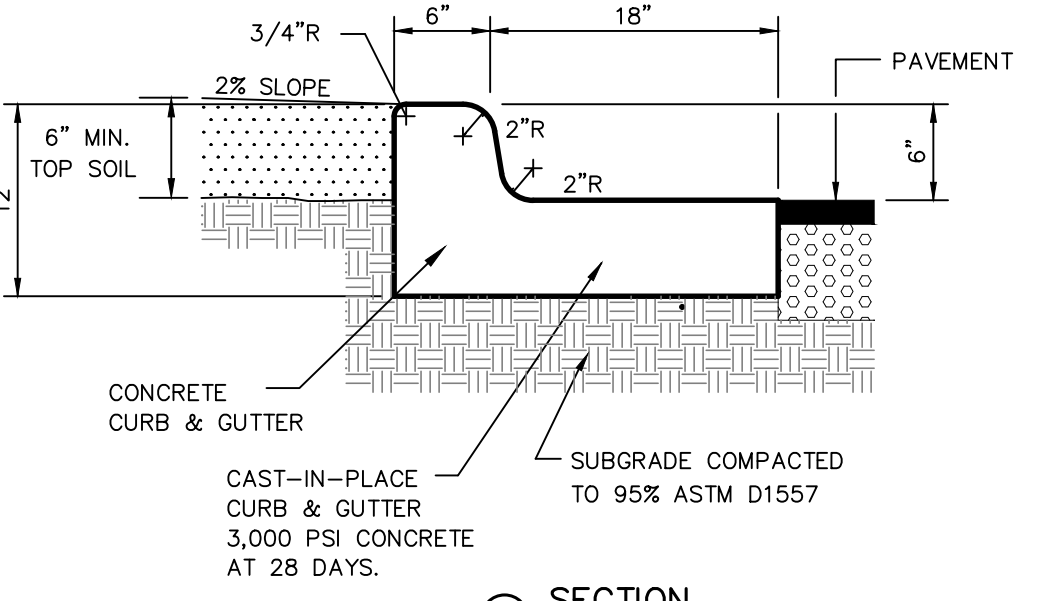
PROJECT TITLE  
**PALOMINO - LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

SHEET TITLE  
**LARAMIE CIRCLE**  
**PLAN & PROFILE**  
**FROM STA. 0+00.00**  
**TO STA. 2+97.27**  
**CONCRETE FLUME**  
**PLAN & PROFILE**  
**FROM STA. 1+79.40**  
**TO STA. 2+83.77**  
SHEET NO.

**C7.1**



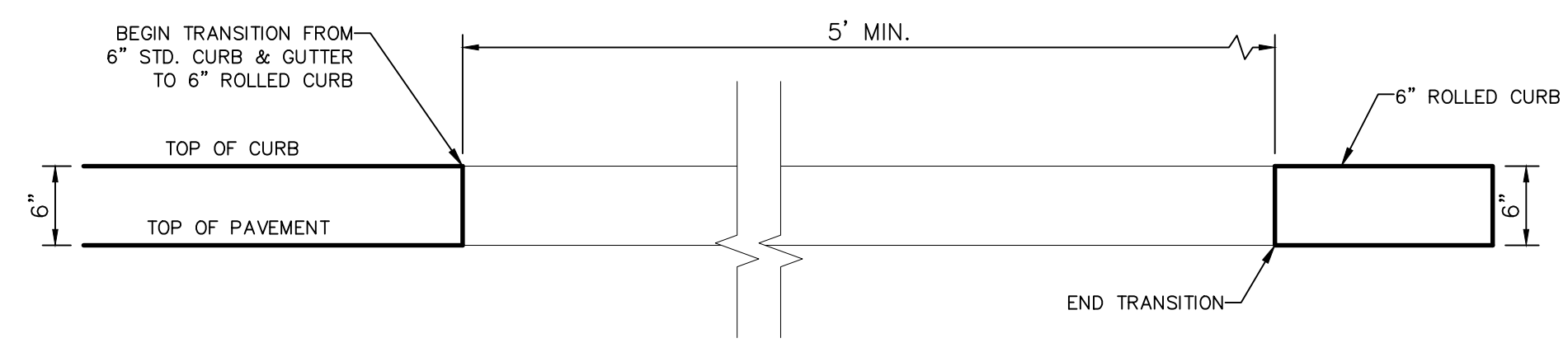
PLAN



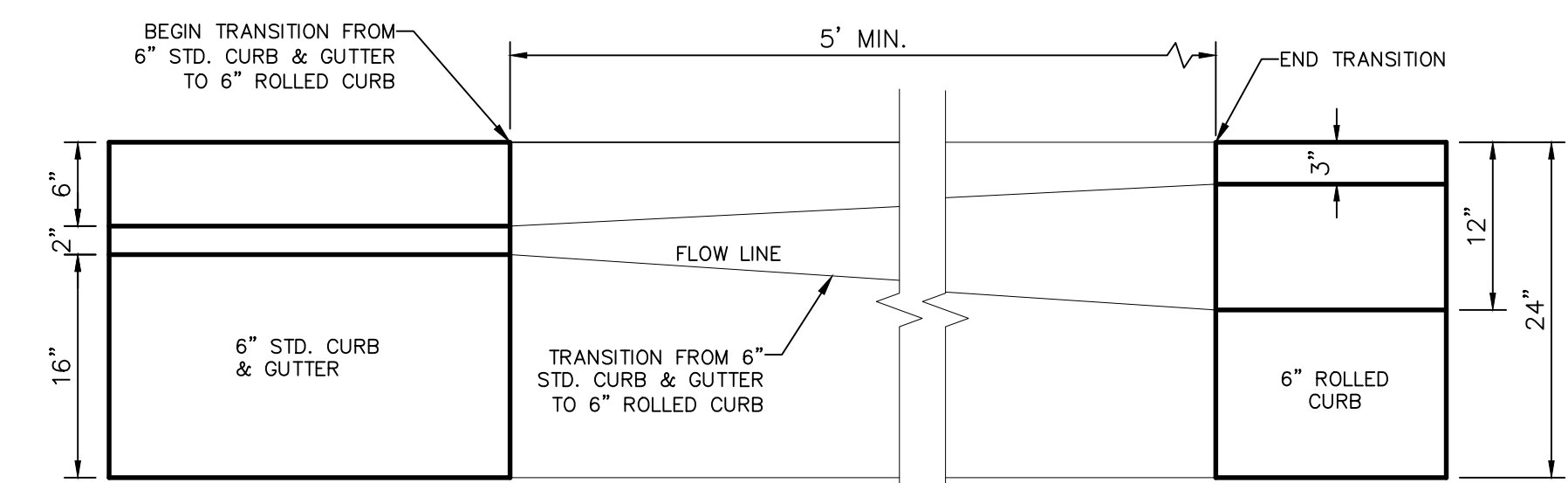
SECTION

1 CURB & GUTTER DETAIL  
SCALE: 1"=1'-0"

- NOTES:**
- CONCRETE CURB, GUTTER, AND RETURNS SHALL BE 3,000 P.S.I. MIN. @ TWENTY-EIGHT (28) DAYS.
  - DUMMY JOINTS REQUIRED AT TEN (10') FEET ON CENTER.
  - 1/2" PREMOLDED BITUMINOUS EXPANSION JOINT (AASHTO M-33) IS REQUIRED FOR ALL CURBS RETURNS. TRIM BITUMINOUS MATERIAL 1/4" LESS THAN NEAT CURB & GUTTER DIMENSION.
  - SUBGRADE UNDER CURBS MUST BE FORMED AND COMPACTED TO 95% ASTM D1557.
  - EXPANSION JOINTS REQUIRED AT FIFTY (50') FEET ON CENTER WHEN FORMING FOR CURBS.



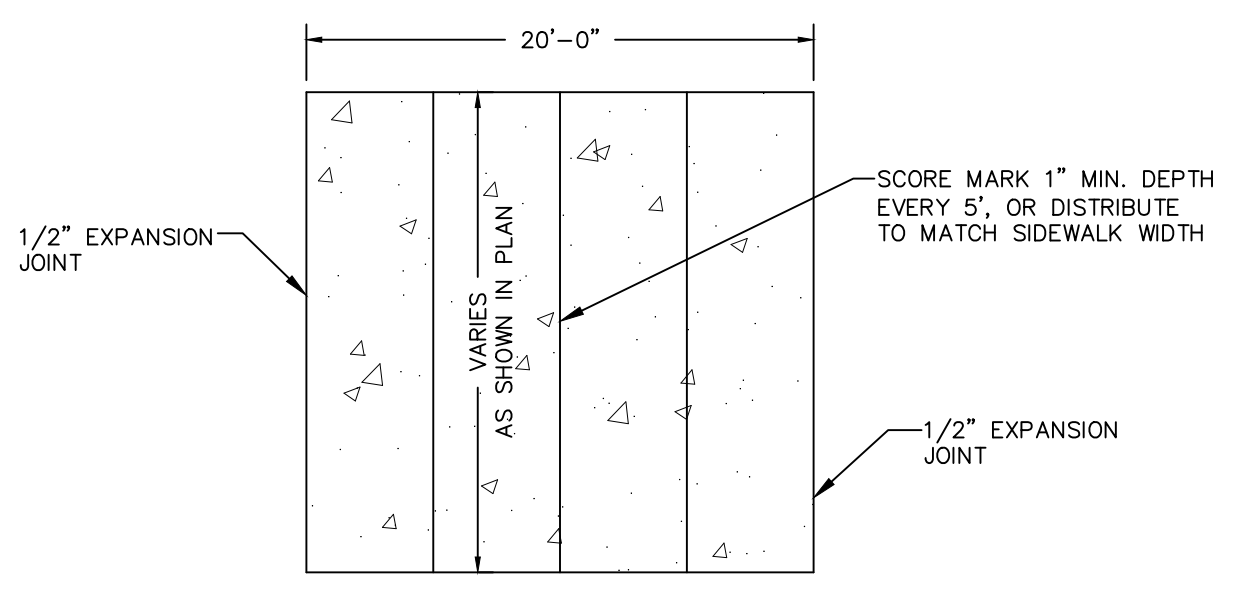
FRONT VIEW



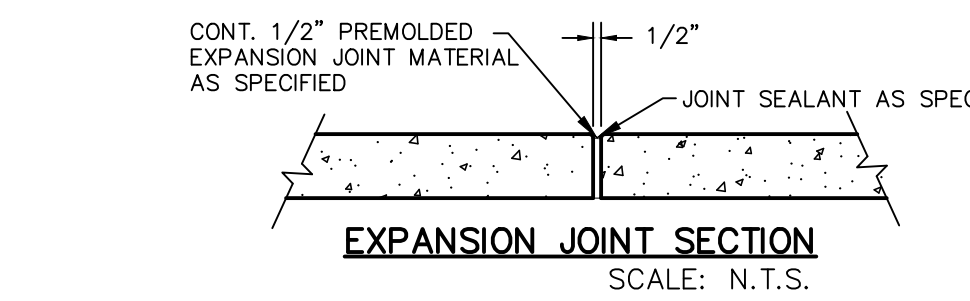
TOP VIEW

4 CURB TRANSITION DETAIL  
SCALE: N.T.S.

**NOTE:**  
SIDEWALK SHALL MAINTAIN TOP OF CURB ELEVATIONS.



TYPICAL SIDEWALK PLAN



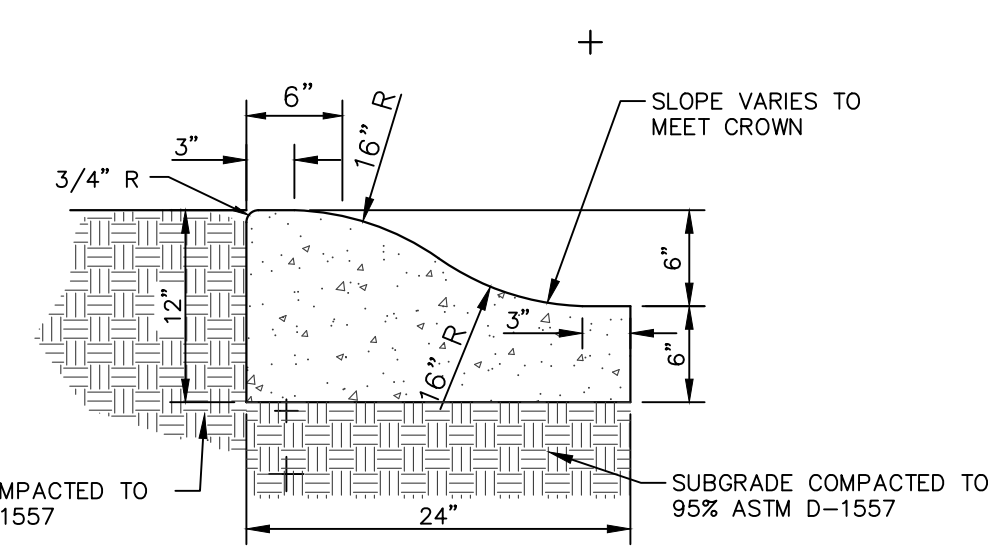
EXPANSION JOINT SECTION  
SCALE: N.T.S.

- NOTES:**
- EXPANSION JOINT FILLER SHALL BE 1/2" BITUMINOUS TYPE PREFORMED JOINT FILLER (AASHTO M-33).
  - EXPANSION JOINTS SHALL BE SPACED AT 20'-0" MAX.
  - WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS, EXPANSION JOINTS FILLER SHALL BE PLACED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.

**SIDEWALK NOTES:**

- CONCRETE SIDEWALK SHALL BE 3,000 P.S.I. AT 28 DAYS.
- DUMMY JOINTS REQUIRED AT 5' O.C.
- EXPANSION JOINTS SHALL BE AT 20' O.C. MAXIMUM, USE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINTS (AASHTO M-33)
- EXPANSION JOINT FILLER SHALL BE PLACED WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS.
- SUBGRADE TO BE COMPACTED TO 95% AS PER ASTM D1557.

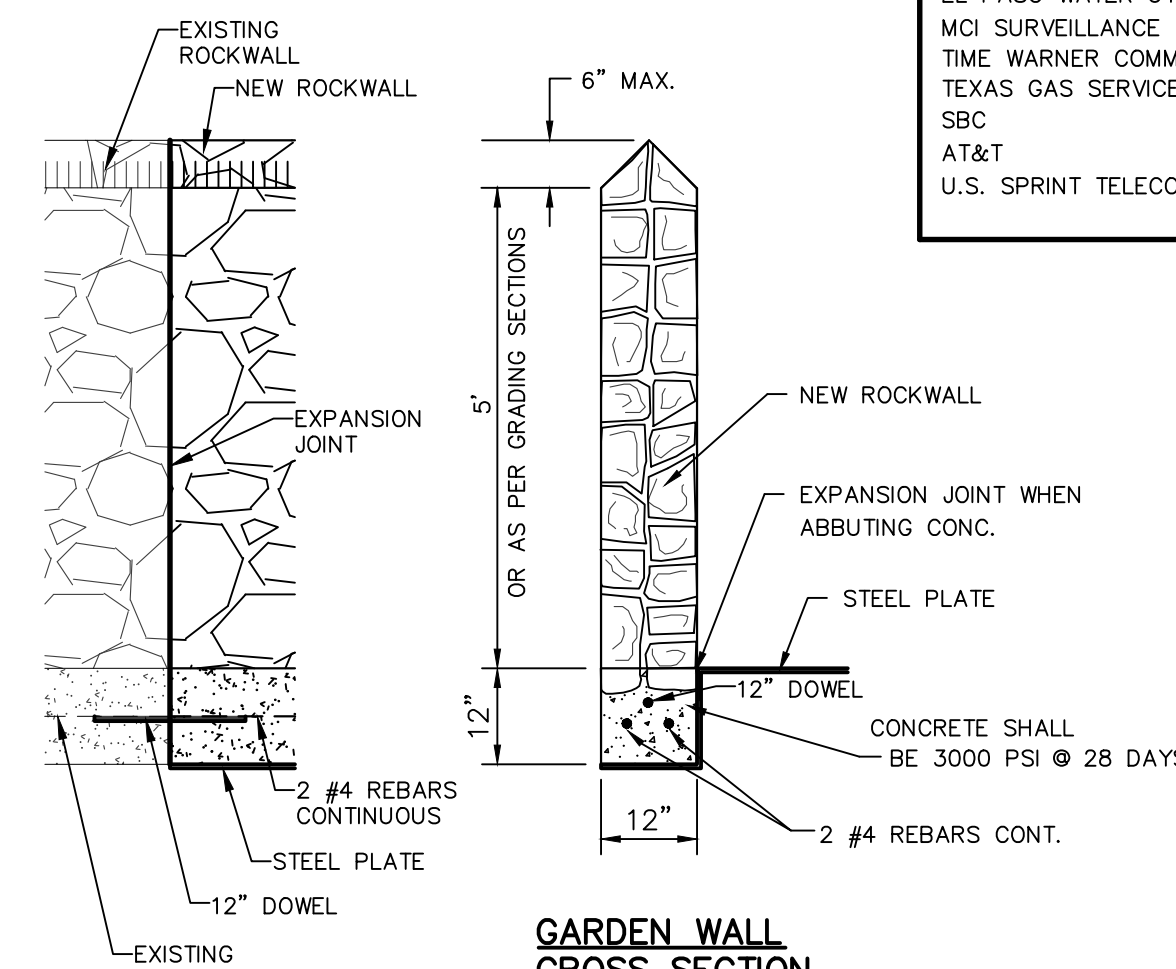
6 SECTION-SIDEWALK/SLAB  
SCALE: N.T.S.



**NOTES:**

- CONCRETE TO BE 3000 PSI MIN.
- DUMMY JOINTS REQUIRED AT 10' O.C. FOR HEADERS AND 5' O.C. FOR SIDEWALK.
- EXPANSION MATERIAL REQUIRED AT CURB RETURNS WITH 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
- EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR HEADERS.
- EXPANSION JOINTS REQUIRED FOR SIDEWALK AT 20' O.C.
- FOR CUL-DE-SAC AND HEEL ONLY.

2 6" CONCRETE ROLLED CURB DETAIL  
SCALE: 1"=1'-0"



GARDEN WALL FRONT SECTION

GARDEN WALL CROSS SECTION

3 TYPICAL ROCKWALL DETAILS  
SCALE: 1"=2'-0"

**ROCK WALL NOTES**

- STONE FOR ROCKWALL SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IN PRACTICE THE STONE SHALL BE DENSE AND RESISTANT OF AIR AND WATER
- MORTAR MUST BE TYPE "S" 1800 P.S.I. AS PER ASTM C270
- MASONRY WALL OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
- WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK, ROCK, STONE OR CINDER BLOCK AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH.
- ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES
- PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET
- ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED
- ALL STONE FOR ROCKWALLS SHALL BE FRACTURED QUARRIED ROCK OR ROUND ROCK, NO RIVER ROCK SHALL BE ALLOWED.
- REINFORCING STEEL SHALL BE ASTM A615 GRADE 40.
- ALLOWABLE SOIL BEARING PRESSURE = 2,500 PSI (MINIMUM)
- BACKFILL MATERIALS SHALL CONSIST OF COARSE GRAINED, WELL-DRAINED SOILS (WITH NO CLAY CONTENT).

**NOTE:** TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 0.9-INCHES (23 MM) MINIMUM AND 1.4-INCHES (36 MM) MAXIMUM, A TOP DIAMETER OF 50-PERCENT OF THE BASE DIAMETER MINIMUM AND 65-PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2-INCHES (5.1 MM).

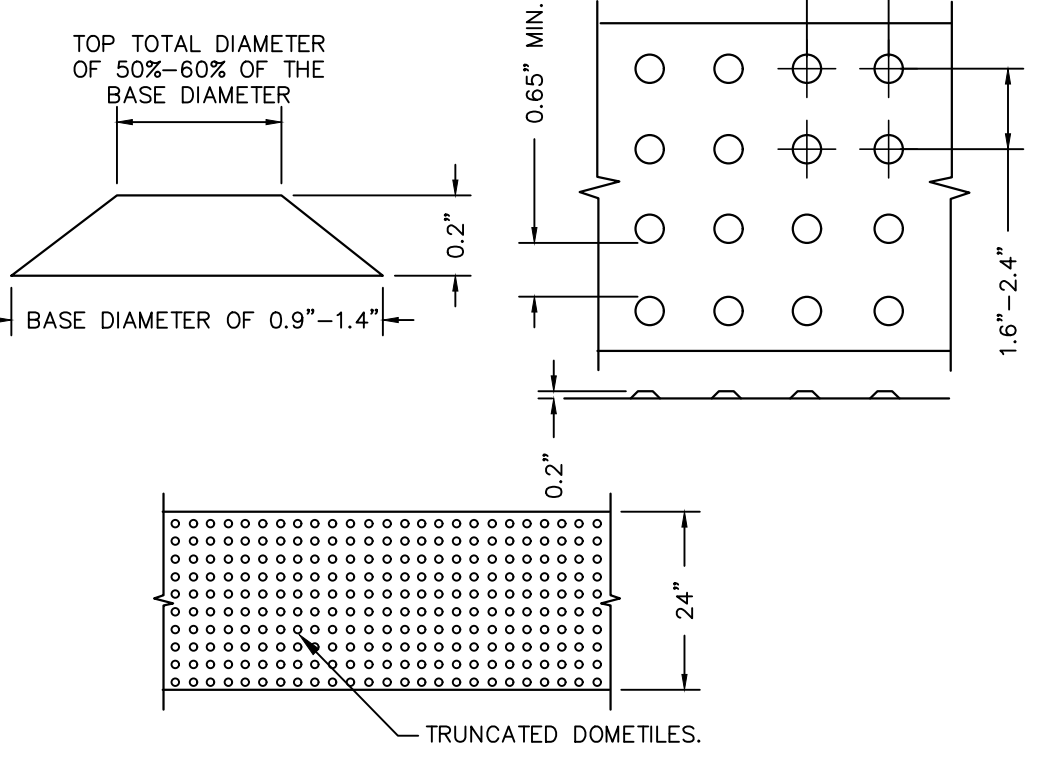
**NOTE:** TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6-INCHES (41 MM) MINIMUM AND 2.4-INCHES (61 MM) MAXIMUM, AND A BASE TO BASE SPACING OF 0.65-INCHES (17 MM) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.

**NOTE:** DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

**NOTE:** PLATFORM EDGES: DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 24-INCHES (610 MM) WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM.

**NOTE:** CURB RAMPS: A CURB RAMP SHALL HAVE A DETECTABLE WARNING EXTENDING THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARED SIDES) AND SHALL EXTEND EITHER THE FULL DEPTH OF THE CURB RAMP OR 24-INCHES (610 MM) DEEP MINIMUM MEASURED FROM BACK OF THE CURB ON THE RAMP SURFACE.

**NOTE:** DOME MATS: THE USE OF DOME TILE MATS IS ALLOWED AS LONG AS IT COMPLIES WITH THE ADA SPECIFICATIONS.



5 TRUNCATED DOME SIZE AND SPACING  
SCALE: N.T.S.

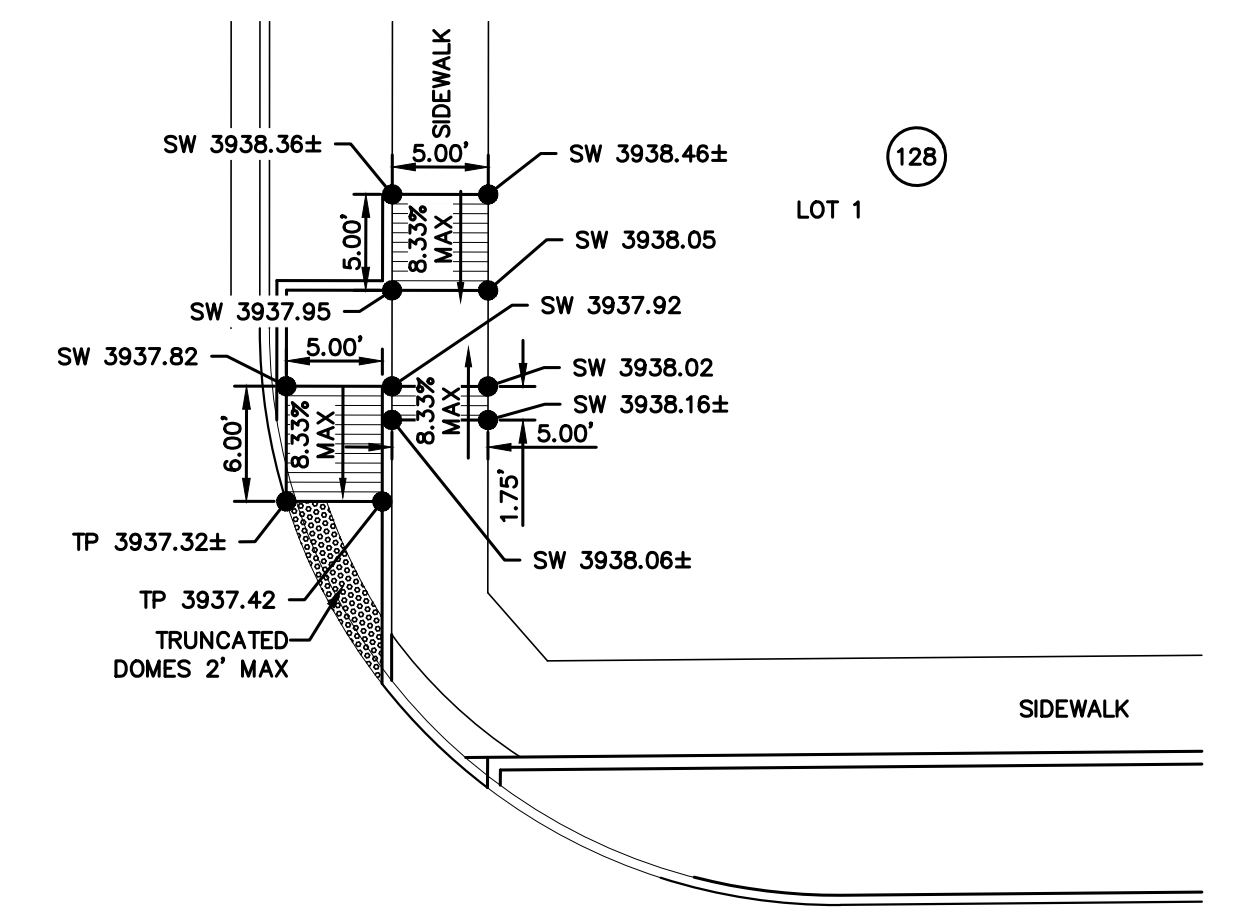
**LEGEND**

DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES. REFER TO TRUNCATED DOME DETAIL FOR ADDITIONAL INFORMATION.

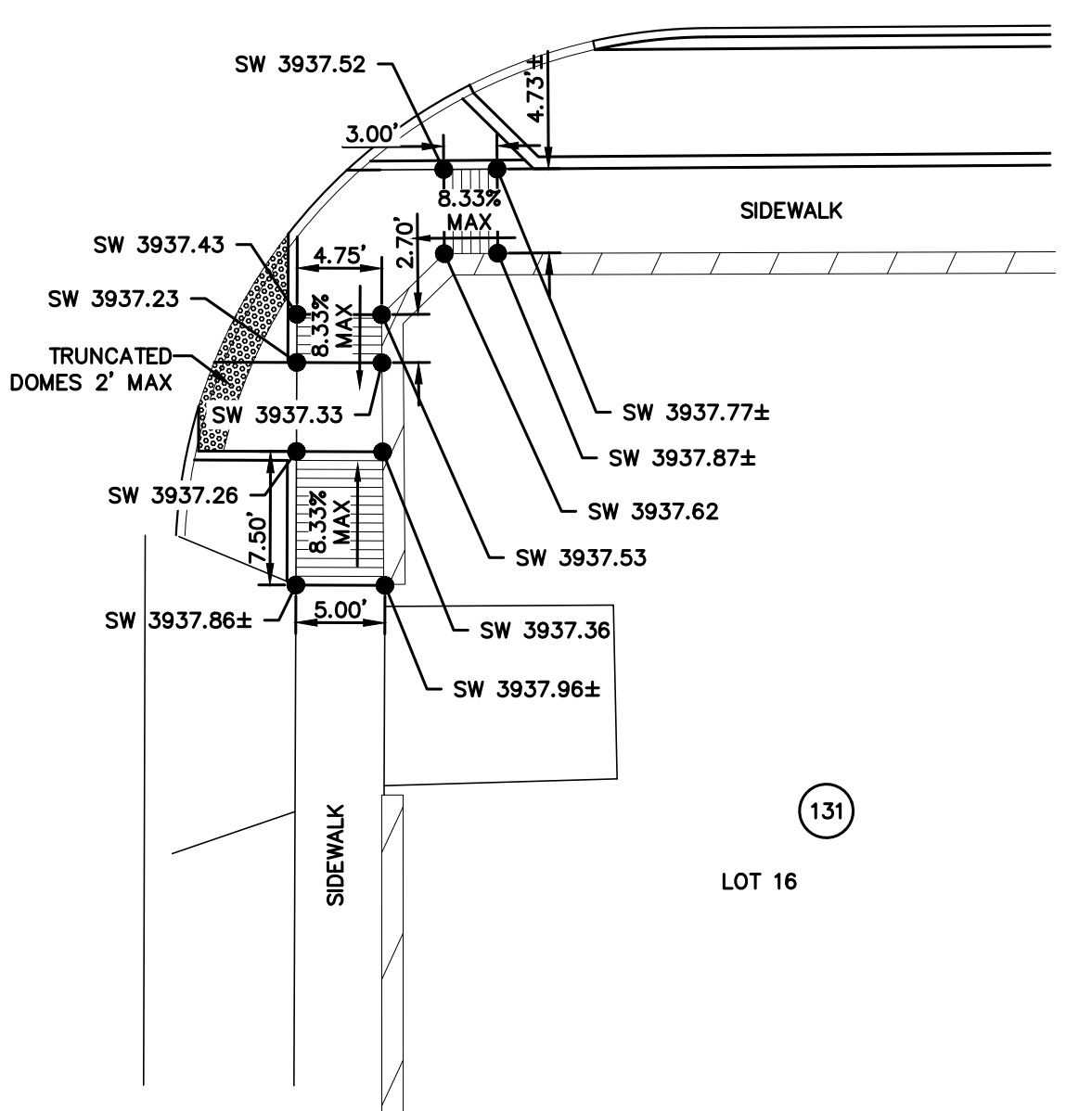
**NOTES:**

- CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOMES COMPLYING WITH ADA STANDARDS. MUST CONTRAST VISUALLY WITH ADJOINING SURFACES INCLUDING SIDE FLARES.
- DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
- 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.
- ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
- LANDINGS SHALL BE 5'X5' MINIMUM WITH A MAXIMUM 1% SLOPE IN ANY DIRECTION.
- MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4'X4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
- MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
- 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 §6.102.
- EXISTING FEATURES THAT COMPLY WITH TAS MAY REMAIN IN PLACE UNLESS OTHERWISE SHOWN ON THE PLANS.
- PROVIDE A SMOOTH TRANSITION WHERE THE CURB RAMPS CONNECT TO THE STREET.
- CURBS SHOWN ON THIS SHEET 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.
- ALL RAMPS ARE EXCLUSIVE FOR THIS PROJECT AND SHALL BE INSTALLED TO COMPLY WITH FIELD CONDITIONS AND IN COMPLIANCE WITH ADA REQUIREMENTS.

7 RAMPS @ INTERSECTION DETAIL  
SCALE: N.T.S.



LOT 1



LOT 16

**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 945-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

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FOR FIELD LOCATING EXISTING UTILITIES

**REFERENCES - BENCHMARKS**

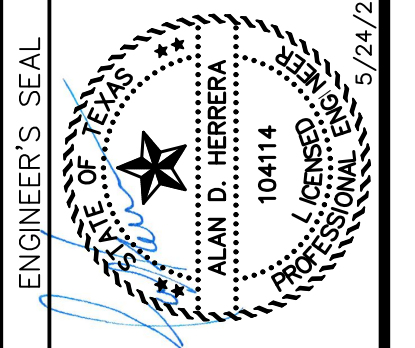
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLODESDALE DRIVE AND PALOMINO STREET

ELEVATION: 3939.63' (HAND B.S. SHOWN)  
3928.24' (E.P.V.L.B.)

813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5292  
www.ceagroup.net

**CEAG**

TEXAS REGISTERED ENGINEERING FIRM F-4564



**SCALE**

Horizontal: N/A  
Vertical: N/A

**Contour Interval:** N/A

**DATE:** APRIL 2023

**DESIGN BY:** A.D.H.

**DRAWN BY:** A.D.H./K.A.P.

**CHKD. BY:** J.L.A.

**APPVD. BY:** J.L.A.

**JOB No.:** 0001-100

**PROJECT TITLE**

**PALOMINO-LARAMIE INTERSECTION**

**DRAINAGE IMPROVEMENTS**

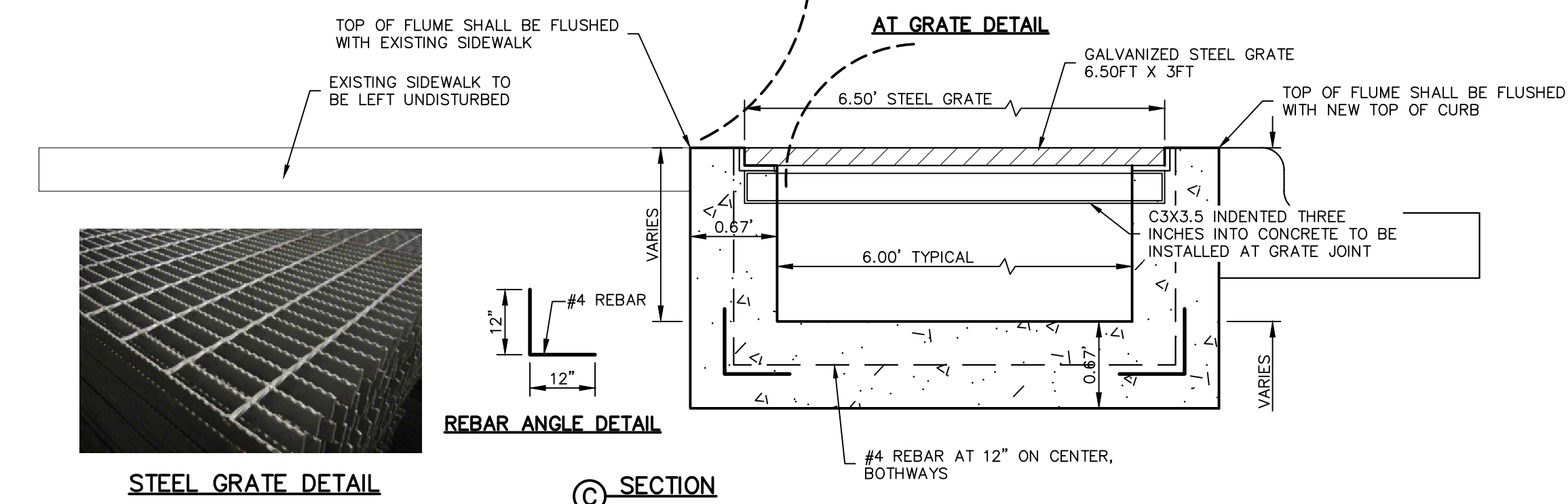
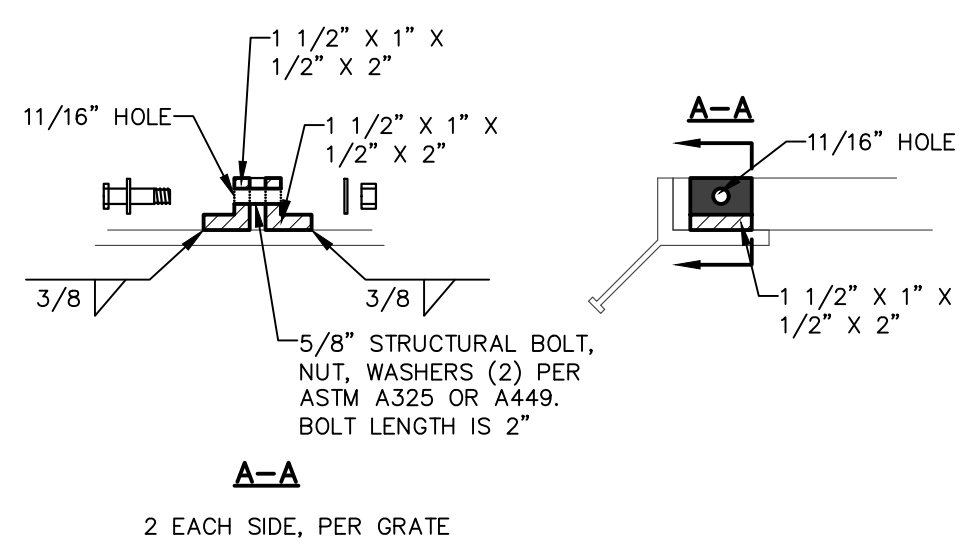
**SHEET TITLE**

**STANDARD DETAILS**

(SHEET 1 OF 3)

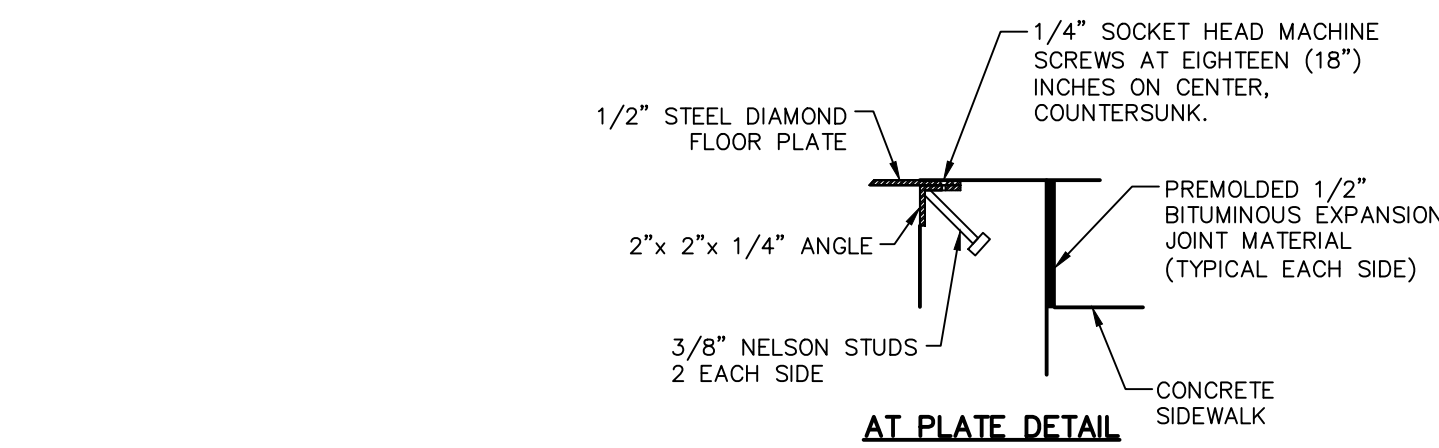
**SHEET NO.**

**C8.1**

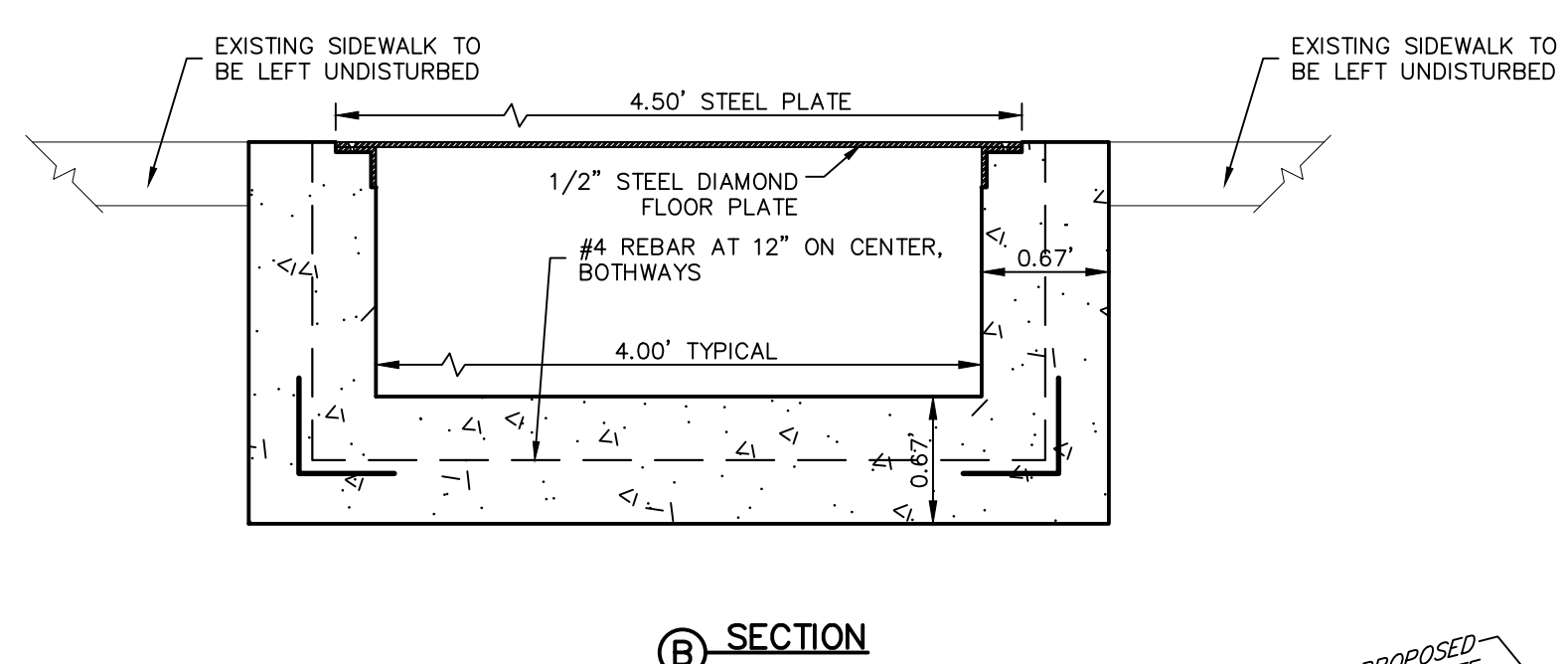


STEEL GRATE DETAIL

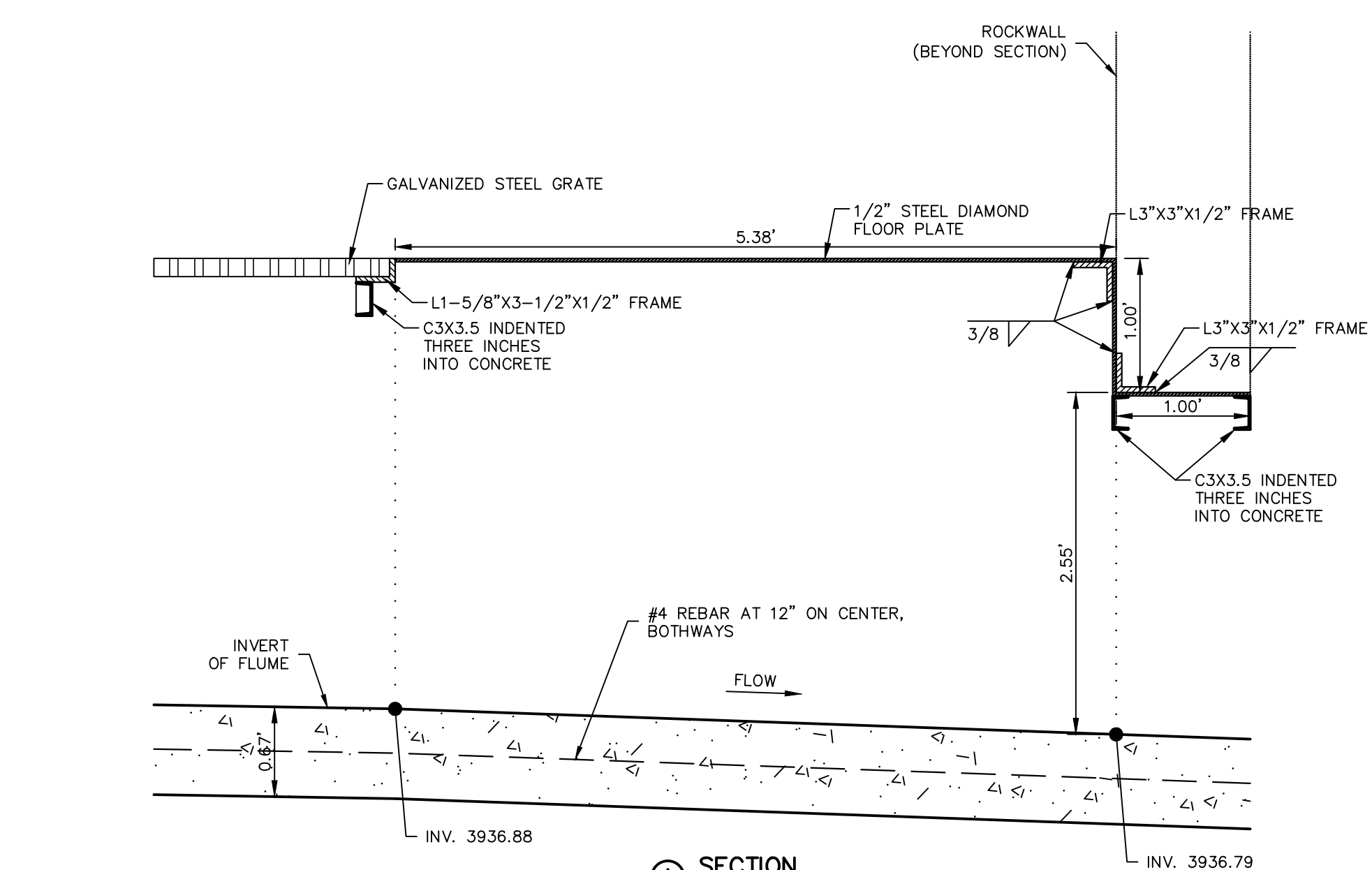
C SECTION



AT PLATE DETAIL

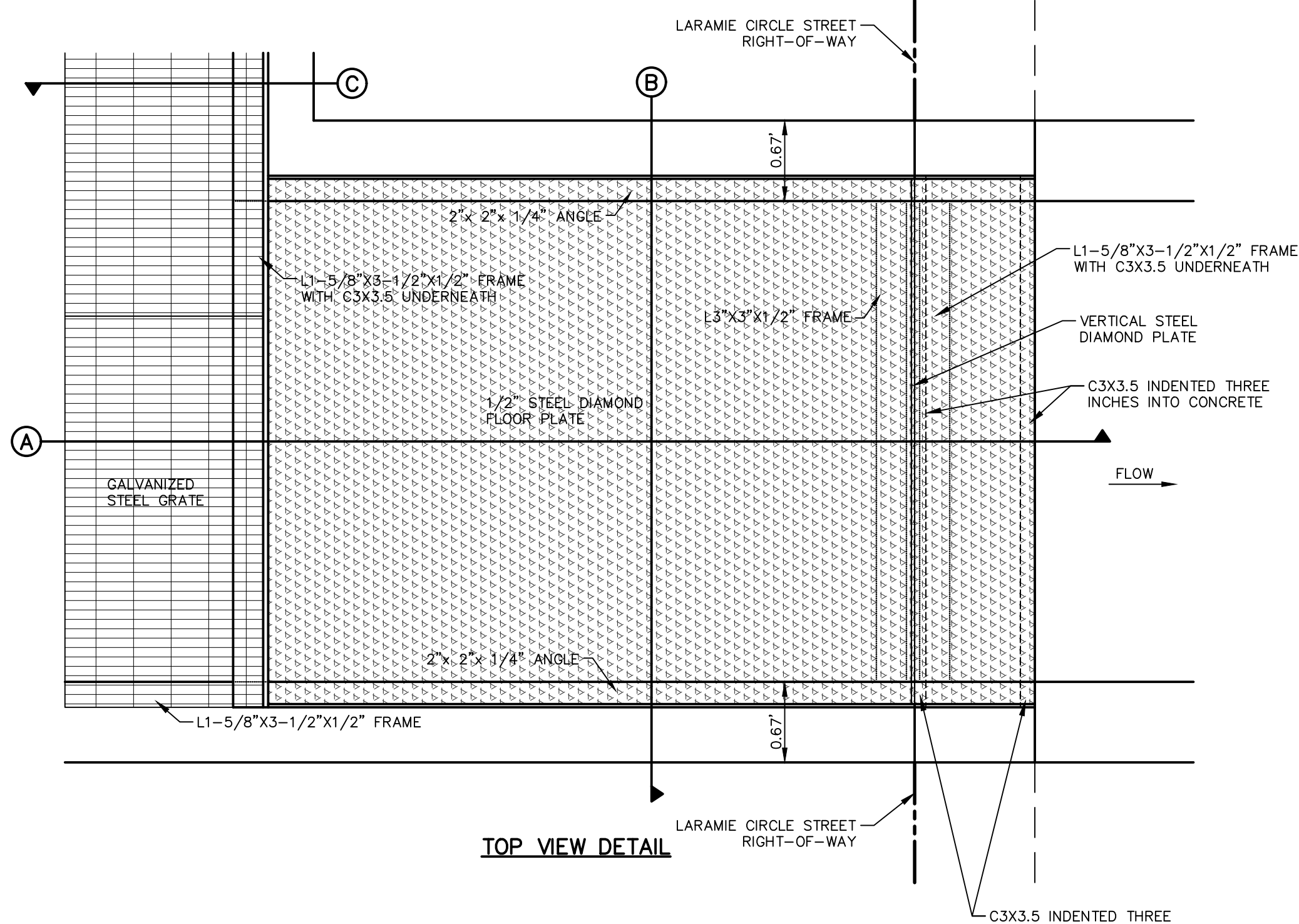


B SECTION



A SECTION

STRUCTURE DETAIL



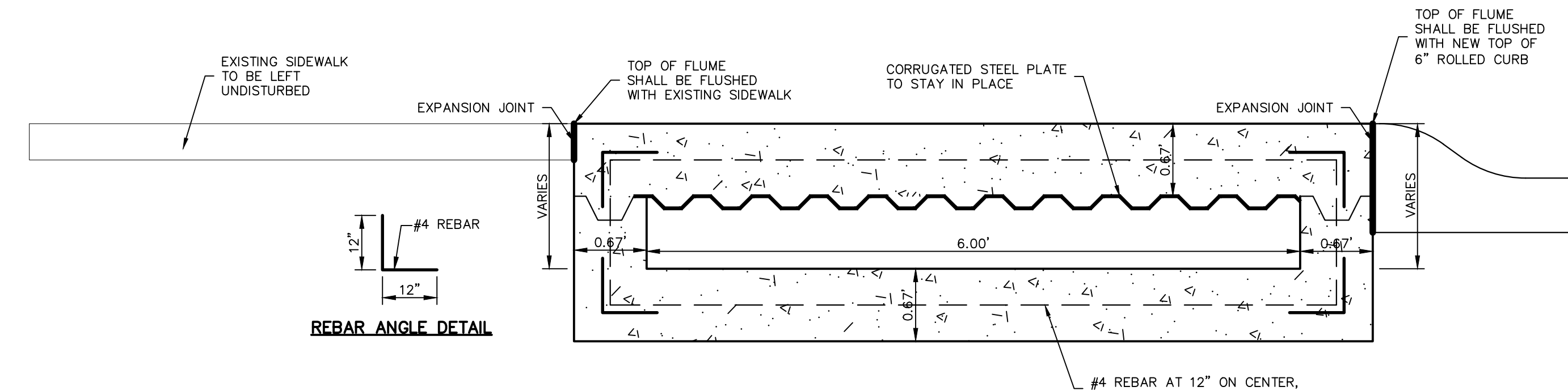
TOP VIEW DETAIL

**FLUME NOTES:**

1. CONCRETE FLUME SHALL BE 3,000 P.S.I. AT TWENTY EIGHT (28) DAYS.
2. EXPANSION JOINTS SHALL BE AT TWENTY (20) FEET ON CENTER MAXIMUM, USE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINTS (AASHTO M-33).
3. EXPANSION JOINT FILLER SHALL BE PLACED WHEREVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS.
4. SUBGRADE TO BE COMPACTED TO NINETY-FIVE (95%) PERCENT ASTM D1557.
5. WELDED STEEL OR CAST GRATES AS DETAILED ARE ALL ACCEPTABLE GRATES. MIXING OF ALTERNATE TYPES OF GRATES ON THE SAME PROJECT WILL BE PERMITTED WITH THE APPROVAL OF THE ENGINEER.
6. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS.
7. SHARP EDGES RESULTING FROM FABRICATION SHALL BE DULLED BY ANY ACCEPTABLE METHOD FOR SAFETY IN HANDLING.
8. WELDED GRATES SHALL BE STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-183 OR OF CORROSION RESISTANT STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-161 OR M-222 OR BE MADE OF OTHER APPROVED STEELS OF EQUAL QUALITY. MIXING GRADES OF STEEL ON THE SAME GRATE WILL NOT BE PERMITTED.
9. GRATES MADE OF M-183 STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-111 SPECIFICATIONS OR SHALL BE PAINTED WITH INORGANIC ZINC PAINTS, MEETING THE REQUIREMENTS OF CURRENT STANDARD SPECIFICATIONS.
10. ALL WELDS SHALL HAVE A MINIMUM OF 1/4" FILLET AND SHALL CONFORM TO THE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND TO THE AWS STRUCTURAL WELDING CODE. ELECTRODES SHALL BE COMPATIBLE TO THE DIFFERENT GRADES OF STEEL THAT COMPRISE THE GRATE MEMBERS.
11. CAST GRATES SHALL BE CAST STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-103, GRADE 65-35 OR OF DUCTILE IRON CONFORMING TO THE REQUIREMENTS OF ASTM A-536, SPECIAL GRADE 60-45, OR OF GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M-105, CLASS 35B OR ASTM A-48 CLASS 35B. THE SPECIFICATIONS OF GENERAL APPLICATION FOR CAST STEEL GRATES SHALL BE AASHTO M-103 SCOPE 1.2.1, GRADE N-1.
12. FERROUS CASTINGS SHALL BE OF UNIFORM QUALITY, FREE OF BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTION OR OTHER DEFECTS. THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING OR OTHER APPROVED CLEANING METHOD. AFTER CLEANING THEY SHALL BE COATED WITH ASPHALT BASE PAINT RESULTING IN A SMOOTH COATING, TOUGH AND TENACIOUS WHEN COLD, NOT TACKY OR BRITTLE.
13. ALL CASTING SHALL BE MANUFACTURED TRUE TO PATTERN. COMPONENT PARTS SHALL FIT TOGETHER IN A SATISFACTORY MANNER.
14. MINIMUM CONCRETE COVER SHALL BE 1 1/2" FOR STEEL REINFORCING.
15. EXPANSION MATERIAL TO BE 1/2" BITUMINOUS FIBER AND PLACED WHERE PROPOSED CONCRETE COMES IN CONTACT WITH ANY EXISTING OR PROPOSED CONCRETE OR MASONRY STRUCTURE.
16. STRUCTURAL STEEL SHALL BE SHOP PAINTED IN ACCORDANCE WITH T.O.D.T. ITEM 446 "PAINT AND PAINTING"
17. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE AND GRADE TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO INLETS.
18. GRATES WILL BE FLUSHED WITH PROPOSED OR EXISTING GRADE.
19. ALL REINFORCING BARS TO BE #3 BARS AT 12" ON CENTER GRADE 60.
20. TWO 3/8"x4" LONG CONCRETE ANCHOR STUDS REQUIRED FOR EACH SIDE OF FRAME, WHERE RESTING ON CONCRETE, USE NELSON STUDS OR EQUAL.
21. GRATE TO BE GALVANIZED STEEL WITH SERRATED SURFACE TEXTURE. GRATES SHALL BE ANTI SLIP. GRATES ARE TO BE WELL WELDED, IF REQUIRED, OWNER MAY REQUEST WELDING CERTIFICATES. THE GRATES ARE TO BE CAPABLE OF WITHSTANDING UNIFORM LOADS OF 100 P.S.F. OR CONCENTRATED LOADS OF 300 LBF, WHICHEVER PRODUCES THE GREATER STRESS. LIMIT DEFLECTION TO L/240 OR 1/4" INCH, WHICHEVER IS LESS.
22. GRATES ARE DESIGNED WITH AN APPROXIMATE THICKNESS OF AN INCH AND A HALF (1-1/2"), IN THE EVENT THE GRATE IS NOT THIS APPROXIMATE THICKNESS, ANGLE SUPPORT SHALL BE ADJUSTED TO PROVIDE A SAFE AND FLUSHED ACCESSIBLE PATH.

1 REINFORCED CONCRETE FLUME DETAIL SCALE: N.T.S.

2 CHANNEL WALL DETAIL SCALE: N.T.S.



**BOX CULVERT NOTES:**

1. CONCRETE SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. DUMMY JOINTS REQUIRED AT 5' O.C.
3. EXPANSION JOINTS SHALL BE AT 20' O.C. MAXIMUM, USE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINTS (AASHTO M-33)
4. EXPANSION JOINT FILLER SHALL BE PLACED WHEREVER BOX CULVERT ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR SIDEWALKS.
5. SUBGRADE TO BE COMPACTED TO 95% AS PER ASTM D1557.

	AT CURB	AT SIDEWALK
UPSTREAM - TOP OF CULVERT	3938.32	3938.43
UPSTREAM - INVERT OF CULVERT	3937.04	3937.04
DOWNSTREAM - TOP OF CULVERT	3938.69	3938.76
DOWNSTREAM - INVERT OF CULVERT	3937.00	3937.00

3 AT CAST-IN-PLACE REINFORCED BOX CULVERT DETAIL SCALE: N.T.S.

**UTILITY LOCATOR SERVICES**

EL PASO ELECTRIC COMPANY (915) 543-5720  
 EL PASO ENERGY CORPORATION (915) 496-5244  
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 MCI SURVEILLANCE (800) MCI-WORK  
 TIME WARNER COMMUNICATIONS (915) 772-1123  
 TEXAS GAS SERVICE (915) 680-7200  
 SBC (800) 945-6005  
 AT&T (800) 852-3786  
 U.S. SPRINT TELECOMM (800) 521-0579

**WARNING!**  
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 FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS  
 CITY MONUMENT LOCATED AT THE CENTER OF INTERSECTION OF CLOSDALE DRIVE AND PALOMINO STREET  
 ELEVATION: 3939.81' (HAND B.S. SHOWN)  
 3928.24' (E.P.V.O.)

813 N. Kansas St.  
 Suite 300  
 El Paso, TX 79902  
 915.544.5292  
 www.cegroup.net

**CE GROUP**  
 TEXAS REGISTERED ENGINEERING FIRM F-4564

ENGINEER'S SEAL  
 ALAN D. HERRERA  
 10414  
 5/24/23

SCALE: N/A  
 Horizontal: N/A  
 Vertical: N/A  
 Contour Interval: N/A  
 DATE: APRIL 2023  
 DESIGN BY: A.D.H.  
 DRAWN BY: A.D.H./K.A.P.  
 CHKD. BY: J.L.A.  
 APPVD. BY: J.L.A.  
 JOB No.: 0001-100

PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

SHEET TITLE  
**STANDARD DETAILS**  
 (SHEET 2 OF 3)  
 SHEET NO.

**C8.2**

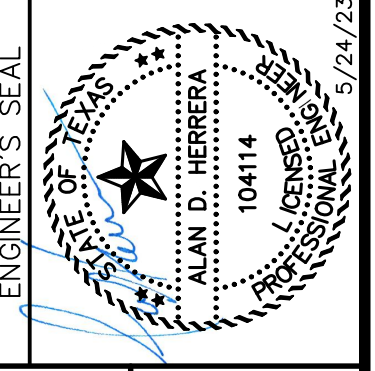


UTILITY LOCATOR SERVICES	
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EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
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U.S. SPRINT TELECOMM	(800) 521-0579

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FOR FIELD LOCATING EXISTING UTILITIES

REFERENCES - BENCHMARKS  
CITY MONUMENT LOCATED AT THE CENTERLINE  
INTERSECTION OF CLOSDALE DRIVE AND PALOMINO  
STREET  
ELEVATION: 3939.63' (HAND 88 SHOWN)  
3928.24' (E.P.V.D.)

813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5232  
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TEXAS REGISTERED ENGINEERING FIRM F-4564



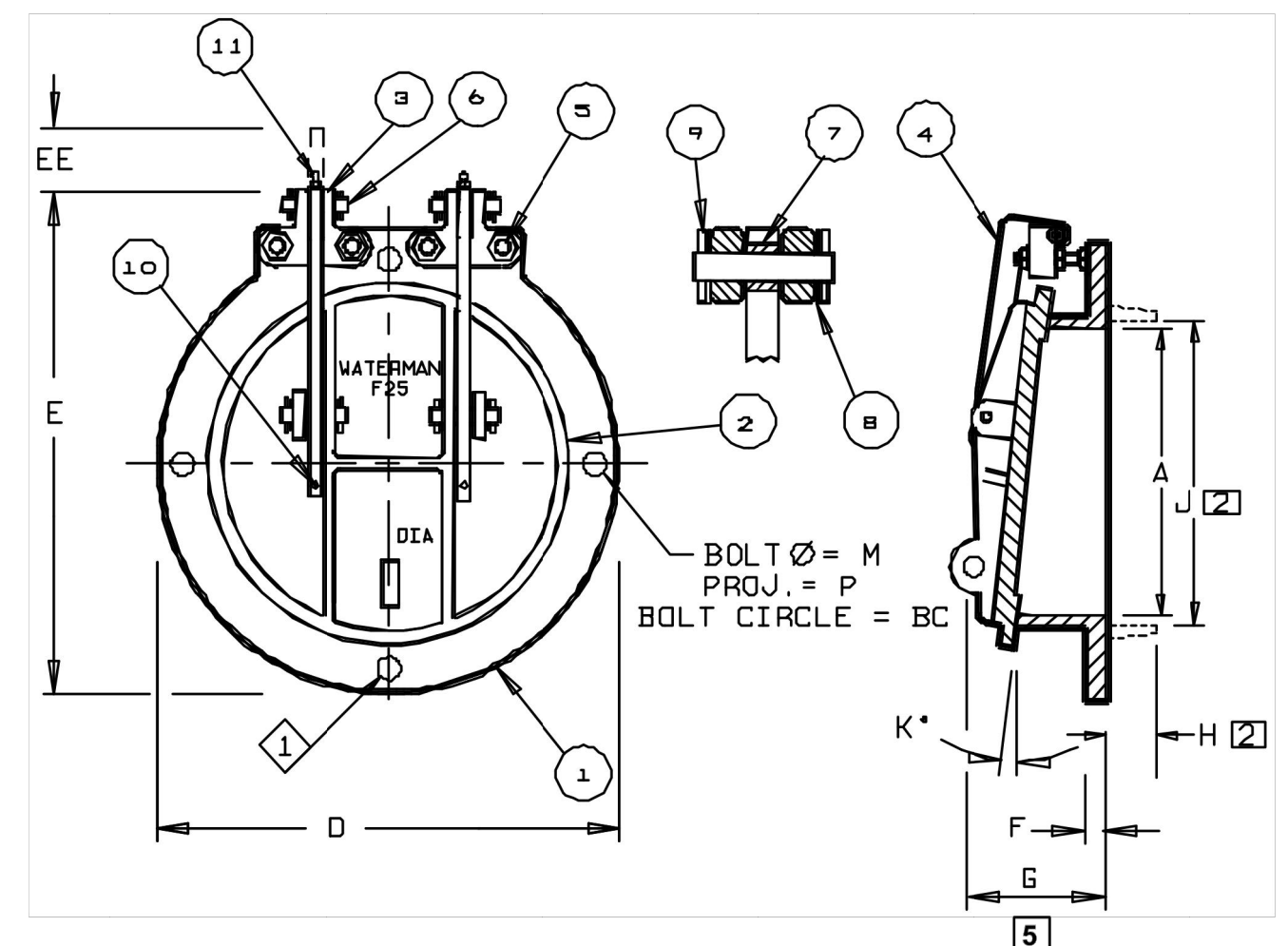
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Vertical: N/A  
Contour Interval: N/A  
DATE: APRIL 2023  
DESIGN BY: A.D.H.  
DRAWN BY: A.D.H./K.A.P.  
CHKD. BY: J.L.A.  
APP'D. BY: J.L.A.  
JOB No. 0001-100

PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION**  
**DRAINAGE IMPROVEMENTS**

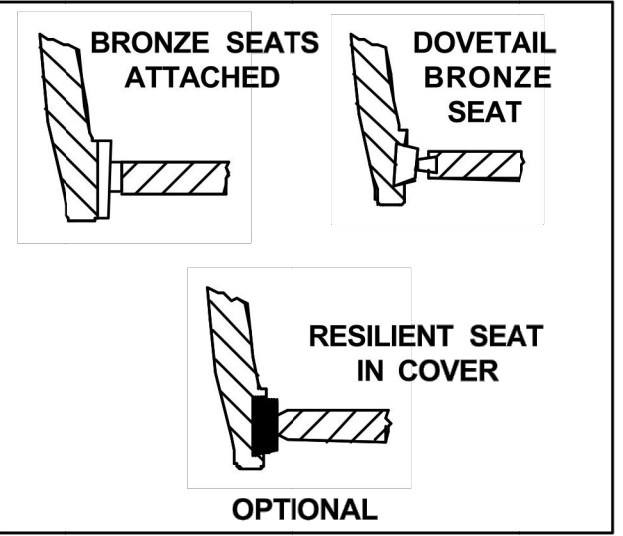
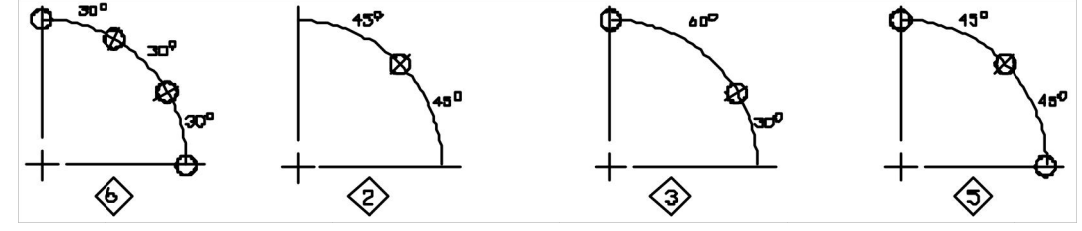
SHEET TITLE  
STANDARD  
DETAILS  
(SHEET 3 OF 3)  
SHEET NO.

C8.3

PARTS LIST	
No.	Name
1	FRAME
2	COVER
3	PIVOT LUG
4	HINGE LINK
5	HINGE STUDS & NUTS
6	HINGE PIN
7	HINGE BUSHING
8	WASHERS
9	SPRING PIN
10	SET SCREW [4]
11	LUBE FITTING (optional) [1]



- [1] 12 Bolt pattern per [1] available on 42" & 48" only on request.
- [2] Applies to spigotback gate only. Optional spigot shown in phantom.
- 3. 25 Lb. & 125 Lb. Standard drilling available on request for all gates except 15" & 21".
- [4] Except 4" & 6" gates
- [5] If grout pad mounting is used add grout thickness to dimension.
- 6. Not available on 4" and 6" gates - use permatube bushings.



**GENERAL**

THE DRAINAGE GATE SHALL BE DESIGNED TO ALLOW FREE OUTFLOW AND PREVENT BACKFLOW FOR MAXIMUM SEATING HEADS UP TO 25 FEET. GATES SHALL BE WATERMAN MODEL F-25 OR APPROVED EQUAL.

**CONSTRUCTION**

THE FRAME SHALL BE CAST IRON OF FLATBACK OR SPIGOTBACK DESIGN, WITH MACHINED SEATING SURFACE INCLINED FROM VERTICAL AT MINIMUM OF 2°, TO ASSURE POSITIVE CLOSURE. FOR FLATBACK GATES MOUNTED TO THIMBLES OR FLANGES, THE GATE FLANGE SHALL BE MACHINED AND DRILLED TO MATCH.

THE COVER SHALL BE CAST IRON, CAST IN ONE PIECE, WITH REINFORCING RIBS, DESIGNED TO WITHSTAND THE SEATING HEAD SPECIFIED. AN INTEGRAL CAST ON LIFTING EYE SHALL BE PROVIDED FOR MANUAL OPERATION.

SEATING SURFACES FOR FRAME AND COVER SHALL BE: (BRONZE ON SEAT AND COVER) (MACHINED IRON ON FRAME, NEOPRENE ON COVER) (BRONZE ON FRAME, NEOPRENE ON COVER)

ALL MACHINED SEATS SHALL HAVE A MINIMUM 63 MICROINCH FINISH.

THE GATE SHALL BE PROVIDED WITH ADJUSTABLE, DOUBLE PIVOTED HINGE LINKS SO DESIGNED TO PERMIT COMPLETE SEATING, FULL OPENING, AND WITH STOPS OR OTHER ARRANGEMENT TO PREVENT COVER FROM ROTATING SUFFICIENTLY TO BECOME WEDGED IN THE OPEN POSITION. PIVOT LUGS MOUNTED TO FRAME SHALL BE ADJUSTABLE TO ALLOW ADJUSTMENT OF HINGE LINKS WITHOUT HAVING TO REMOVE COVER FROM GATE. THE HINGE LINKS SHALL BE BRONZE-BUSHED, STRUCTURAL STEEL OR HIGH STRENGTH DUCTILE IRON, CAST MANGANESE BRONZE, OR WROUGHT STAINLESS STEEL. ALL ASSEMBLY HARDWARE SHALL BE TYPE 18-8 STAINLESS STEEL.

**FINISH**

ALL CAST IRON SHALL BE PAINTED WITH MANUFACTURER'S STANDARD SHOPCOAT PAINT (OR SPECIAL PAINT). STRUCTURAL STEEL HINGE LINKS SHALL BE GALVANIZED. ALL BRONZE AND STAINLESS STEEL PARTS DO NOT REQUIRE FURTHER FINISH.

**MATERIALS**

FRAME AND COVER - CAST IRON PER ASTM A-126, CLASS B.  
PIVOT LUG - DUCTILE IRON PER ASTM A-536, GR. 65-45-12.  
HINGE LINK - STRUCTURAL STEEL PER ASTM A-36, GALVANIZED PER ASTM A-123.  
BRONZE BUSHINGS AND WASHERS - COMMERCIAL BRONZE.  
ASSEMBLY HARDWARE AND PINS - 18-8 STAINLESS STEEL (TYPE 304).

GATE DIMENSIONS IN INCHES

GATE SIZE A	4	6	8	10	12	14	15	16	18	20	21	24	30	36	42	48	54	60
BC	7 1/2	9 1/2	11 1/4	14 1/4	17	18 1/4	20	21 1/4	22 1/4	25	25	29 1/2	36	42 1/4	49 1/2	56	62 1/2	69 1/4
D	9	11	13 1/2	16	19	22 1/2	22 1/2	23 3/4	25	27 1/2	27 1/2	32	38 1/4	46	53	59 1/2	66 1/2	73
E	9 1/4	12	14 1/2	16	19	22	25	24	28 1/2	28	30	35	40 1/2	46 1/2	54 1/4	66	72	75
EE	1 1/4	2	2 1/4	2 1/4	3	3 1/4	3 1/4	3	3 1/4	3 1/4	2 1/4	3	3 1/2	3 1/2	4 1/4	4 1/4	6	6 1/2
F	1/2	1/2	1/2	1/2	1/2	1	1	1/2	1/2	1/2	1/2	1/2	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2
G	3 1/2	5	5	6	5 1/2	6	6 1/2	6 1/2	7	7	7 1/2	8	8	9	8 1/2	10	10	10 1/4
H [2]	2	2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/2	3	3 1/4
J [2]	5	7	9	11	13	15	16	17	19	21	22	25	31	37	43 1/4	49 1/2	55 1/2	61 1/4
K*	5	5	5	5	5	5	5	5	5	5	5	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
M	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1 1/4
P	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/4	1 1/4	1 1/4	2 1/4	2 1/4	2 1/4	2 1/4	2 1/4	3
No. of Bolts	4	4	4	6	6	6	6	6	6	8	8	6	8	8	6 [1]	6 [1]	12	12
∅	2	1	1	3	3	3	3	3	3	5	5	3	5	5	3	3	6	6

\* Degrees

NOTE: FOR PRELIMINARY DESIGN PURPOSES ONLY  
DO NOT USE FOR INSTALLATION  
UNLESS PART OF CERTIFIED & APPROVED SUBMITTAL

1 FLAP GATE DETAIL  
SCALE: N.T.S.

**SITE DESCRIPTION**

**PROJECT NAME AND LIMITS:** PALOMINO-LARAMIE INTERSECTION DRAINAGE IMPROVEMENTS IS PART OF SUN VALLEY ADDITION UNIT THIRTEEN SUBDIVISION. IT IS BORDERED BY BLOCK 128 TO THE NORTH, HIDDEN VILLAGE UNIT ONE SUBDIVISION TO THE EAST, BLOCK 131 TO THE SOUTH AND BLOCK 121 AND BLOCK 122 TO THE WEST.

**PROJECT DESCRIPTION:** THE AREA FOR THE SITE IMPROVEMENTS WILL ENCOMPASS APPROXIMATELY 0.09± ACRES. IMPROVEMENTS WILL CONSIST OF DRAINAGE IMPROVEMENTS SUCH AS TWO CONCRETE FLUMES.

**EXISTING CONDITIONS:** THE SITE CONSISTS OF EXISTING IMPROVEMENTS SUCH AS PAVEMENT, SIDEWALKS, PARKWAYS, AND A CONCRETE CHANNEL.

**MAJOR SOIL DISTURBING ACTIVITIES:** MAJOR SOIL DISTURBING ACTIVITIES WILL CONSIST OF CLEARING AND GRUBBING AND DRAINAGE IMPROVEMENTS.

**TOTAL PROJECT AREA:** 0.09±

**TOTAL AREA TO BE DISTURBED:** 0.09±

**WEIGHTED RUNOFF COEFFICIENT (AFTER CONSTRUCTION):** 0.94

**EXISTING CONDITION OF SOIL AND VEGETATIVE COVER AND % OF EXISTING VEGETATIVE COVER:** THE PROJECT SITE IS LOCATED IN THE VICINITY OF THE TURNER-BERINO ASSOCIATION: NEARLY LEVEL AND GENTLY SLOPING SOILS THAT HAVE CLAY LOAM SUBSOIL AND ARE MODERATELY DEEP OVER SOFT CALICHE; IN THE HUECO BOLSON.

**NAME OF RECEIVING WATERS:** EXISTING RUNOFF WILL BE CAPTURED BY AN EXISTING INLET LOCATED AT THE INTERSECTION OF PALOMINO STREET AND LARAMIE CIRCLE AND TWO PROPOSED ON-SITE CONCRETE FLUMES WHICH WILL ULTIMATELY DISCHARGE INTO AN EXISTING ON-SITE CONCRETE CHANNEL.

**CERTIFICATION**

**DEVELOPER/OWNER CERTIFICATION**

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGES THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OPERATOR: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

**CONTRACTOR'S CERTIFICATION**

**GENERAL CONTRACTOR**

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGES THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OPERATOR: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME (PRINT): \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

**EROSION AND SEDIMENT CONTROL**

**SOIL STABILIZATION PRACTICES**

- \_\_\_\_\_ TEMPORARY SEEDING
- PERMANENT PLANTING, SODDING, OR SEEDING
- \_\_\_\_\_ MULCHING
- \_\_\_\_\_ SOIL RETENTION BLANKET
- \_\_\_\_\_ BUFFER ZONES
- \_\_\_\_\_ PRESERVATION OF NATURAL RESOURCES

**OTHER:** \_\_\_\_\_

**STRUCTURAL PRACTICES:**

- SILT FENCES
- \_\_\_\_\_ HAY BALES
- \_\_\_\_\_ ROCK BERMS
- \_\_\_\_\_ DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- \_\_\_\_\_ DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- \_\_\_\_\_ DIVERSION DIKE AND SWALE COMBINATION
- \_\_\_\_\_ PIPE SLOPE DRAINS
- \_\_\_\_\_ CONCRETE FLUMES
- \_\_\_\_\_ ROCK BEDDING AT CONSTRUCTION EXIT
- \_\_\_\_\_ TIMBER MATTING AT CONSTRUCTION EXIT
- \_\_\_\_\_ CHANNEL LINERS
- \_\_\_\_\_ SEDIMENT TRAPS
- \_\_\_\_\_ SEDIMENT BASINS
- STORM INLET SEDIMENT TRAP
- \_\_\_\_\_ STONE OUTLET STRUCTURES
- \_\_\_\_\_ CURBS AND GUTTERS
- \_\_\_\_\_ STORM DRAINS
- \_\_\_\_\_ VELOCITY CONTROL DEVICES
- \_\_\_\_\_ VEGETATED SWALES & NATURAL DEPRESSIONS

**OTHER:** \_\_\_\_\_

**NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:**

1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS (e.g. SILT FENCE AND/OR EARTHEN BERM, AND INLET PROTECTION) ;
2. PERFORM CLEARING AND GRUBBING;
3. CONSTRUCTION OF DRAINAGE IMPROVEMENTS; AND,
4. WHEN ALL CONSTRUCTION ACTIVITY RELATED IN DEVELOPMENT OF THE SITE IS COMPLETE, REMOVE TEMPORARY CONTROLS IN 1. ABOVE.

**SWPPP GENERAL NOTES:**

1. PLACEMENT OF SILT FENCE SHALL BE ADJUSTED AS NECESSARY TO PREVENT THE BLOCKING OF DRIVEWAYS OR DRIVING LANES.
2. THE SWPPP MANUAL IDENTIFIES THE DUTIES AND RESPONSIBILITIES OF THE GENERAL CONTRACTOR IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THIS ITEM SHALL BE SUBSIDIARY TO THE SWPPP BEST MANAGEMENT PRACTICES (COMPLETE IN PLACE) ITEMS. THE SWPPP PROJECT MANUAL IS AVAILABLE FOR REVIEWING AT THE CITY OF EL PASO-ENGINEERING DEPARTMENT. UPON SELECTION, THE CONTRACTOR WILL BE PROVIDED AN SWPPP MANUAL. THE CONTRACTOR SHALL MAINTAIN THIS MANUAL AT THE CONSTRUCTION SITE AT ALL TIMES THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR SHALL COMPLETE AND SUBMIT ALL REGULATORY FORMS AND APPLICATIONS, AS PROVIDED IN THE SWPPP MANUAL, INCLUDING, BUT NOT LIMITED TO: NOI, NOT, SDPCP, AND ANY OTHER FORM REQUIRED BY THE CITY OF EL PASO AND TCEQ.
4. ALLOWABLE STORM WATER AND NON-STORMWATER DISCHARGE SHALL COMPLY WITH 15.20.080 (GENERAL PROHIBITION) AND 15.20.090 (SPECIFIC PROHIBITIONS AND REQUIREMENTS) OF THE CITY OF EL PASO STORM DRAIN POLLUTION CONTROL PLAN ORDINANCE. NON-STORMWATER DISCHARGES MAY CONSIST OF, BUT ARE NOT LIMITED TO, THE DISCHARGE RESULTING FROM FIREFIGHTING, LAWN WATERING, LANDSCAPE IRRIGATION, NATURAL SPRING, AND/OR AGRICULTURAL STORM WATER RUNOFF.
5. REFER TO GRADING AND DRAINAGE PLAN, FOR DETAILED INFORMATION ON WATERSHED AREAS AND RUNOFF QUANTITIES (Q).
6. THE FOLLOWING HAVE BEEN IDENTIFIED AS POTENTIAL CONTAMINATION SOURCES: CLEARED AND GRADED AREAS; CONSTRUCTION SITE ENTRANCE AND ASPHALT PARKING AREA CONSTRUCTION; ASPHALT LOADING/UNLOADING AREAS; CONCRETE LOADING/UNLOADING AREAS; AND, ALL UNDISTURBED AREAS.
7. THE FOLLOWING IS A LIST OF POTENTIAL CONSTRUCTION SITE STORM WATER POLLUTANTS: ASPHALT; CONCRETE; GLUE/ADHESIVE; PAINTS; CURING COMPOUNDS; WASTEWATER FROM CONSTRUCTION EQUIPMENT WASHING; HYDRAULIC OIL/FLUIDS; GASOLINE; DIESEL FUEL; KEROSENE; ANTIFREEZE/COOLANT; AND EROSION.

**BEST MANAGEMENT PRACTICES CONTROLS**

1. STRUCTURAL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE OPERATING CONDITION.
2. DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF STRUCTURAL CONTROLS, MATERIAL STORAGE AREAS, VEHICLES ENTRANCE, AND EXITS; ACTIONS TAKEN AND INSPECTOR'S NAME
3. CONSTRUCTION SITE NOTICE WILL BE MAINTAINED ON SITE
4. COPY OF SWPPP SHALL BE KEPT ON SITE
5. PERIMETER MUST RETAIN THE SWPS, NOI, AND INSPECTION LOG FOR A MINIMUM OF THREE (3) YEARS FROM THE TERMINATION AND FINAL STABILIZATION OF PROJECT

**I. WASTE MATERIALS:**  
ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION WASTE MATERIAL SHALL BE BURIED ON SITE. THE TRANSIT DUMPSTER SHALL COMPLY WITH ORDINANCE 18.52.010 (ENCLOSURE AND REMOVAL OF WASTE MATERIALS DURING CONSTRUCTION). THE DUMPSTER SHALL BE EMPTIED AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WASTE MANAGEMENT) AND THE TRASH SHALL BE HAULED TO A LICENSED LANDFILL.

**II. HAZARDOUS WASTE:**  
AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL STABILIZATION, CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT THE FIRE DEPT. AND TNRC.

**III. SANITARY WASTE:**  
ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY OR AS REQUIRED, CHAPTER 18.08 (BUILDING CODE), BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**IV. SPILL PREVENTION:**  
THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURES OF MATERIALS TO STORM WATER RUNOFF.

- GOOD HOUSEKEEPING:**
- A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB
  - B. NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER
  - C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER
  - D. DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER
  - E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER
  - F. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL

**HAZARDOUS PRODUCTS:**  
PRACTICES USED TO REDUCE RISKS:

- A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
- B. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS)
- C. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL & STATE RECOMMENDED METHODS

**PETROLEUM PRODUCTS:**  
ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

- SPILL CONTROL PRACTICES:**
- A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES:
  - B. MATERIALS AND EQUIPMENT NECESSARY FOR CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE:
  - C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
  - D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN:
  - E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY
  - F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING


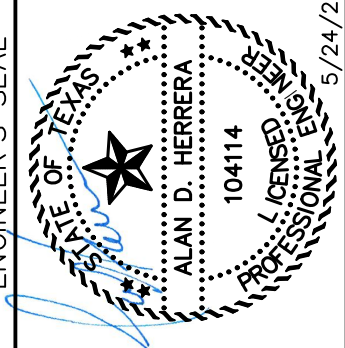
**V. MAINTENANCE AND INSPECTION PROCEDURES:**  
ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH OR WITHIN 24-HOURS PRIOR TO ANTICIPATED STORM EVENT AND FOLLOWING A STORM EVENT OF 0.5 INCHES OR MORE. INSPECTION IN FINAL STABILIZED AREAS OR DURING ARID PERIODS WILL BE CONDUCTED MONTHLY, BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY.

**VI. REMARKS:**  
DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, WATERBODY OR STREAMBED. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEANED AS SOON AS PRACTICABLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT A PART OF THE FINISHED WORK.

**VII. OFFSITE VEHICLE TRACKING:**  
IN ADDITION TO THE STABILIZED CONSTRUCTION ENTRANCES, THE FOLLOWING MEASURES SHALL BE OBSERVED DURING CONSTRUCTION:  
- HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL  
- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPULIN  
- EXCESS DIRT ON ROAD SHALL BE REMOVED IMMEDIATELY  
- STABILIZED CONSTRUCTION ENTRANCE  
- OTHER: \_\_\_\_\_

REFERENCES - BENCHMARKS  
CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLODESDALE DRIVE AND PALOMINO STREET  
ELEVATION: 3939.81' (HAND 88 SHOWN) 3928.24' (E.P.V.D.)  
DATE: \_\_\_\_\_ BY: \_\_\_\_\_

813 N. Kansas St.  
Suite 300  
El Paso, TX 79902  
915.544.5292  
www.ceagroup.net  
Texas Registered Engineering Firm F-4564

SCALE: "1"=10'  
Horizontal: N/A  
Vertical: N/A  
Contour Interval: N/A  
DATE: APRIL 2023  
DESIGN BY: A.D.H.  
DRAWN BY: A.D.H./K.A.P.  
CHKD. BY: J.L.A.  
APPD. BY: J.L.A.  
JOB No.: 0001-100  
5/24/23

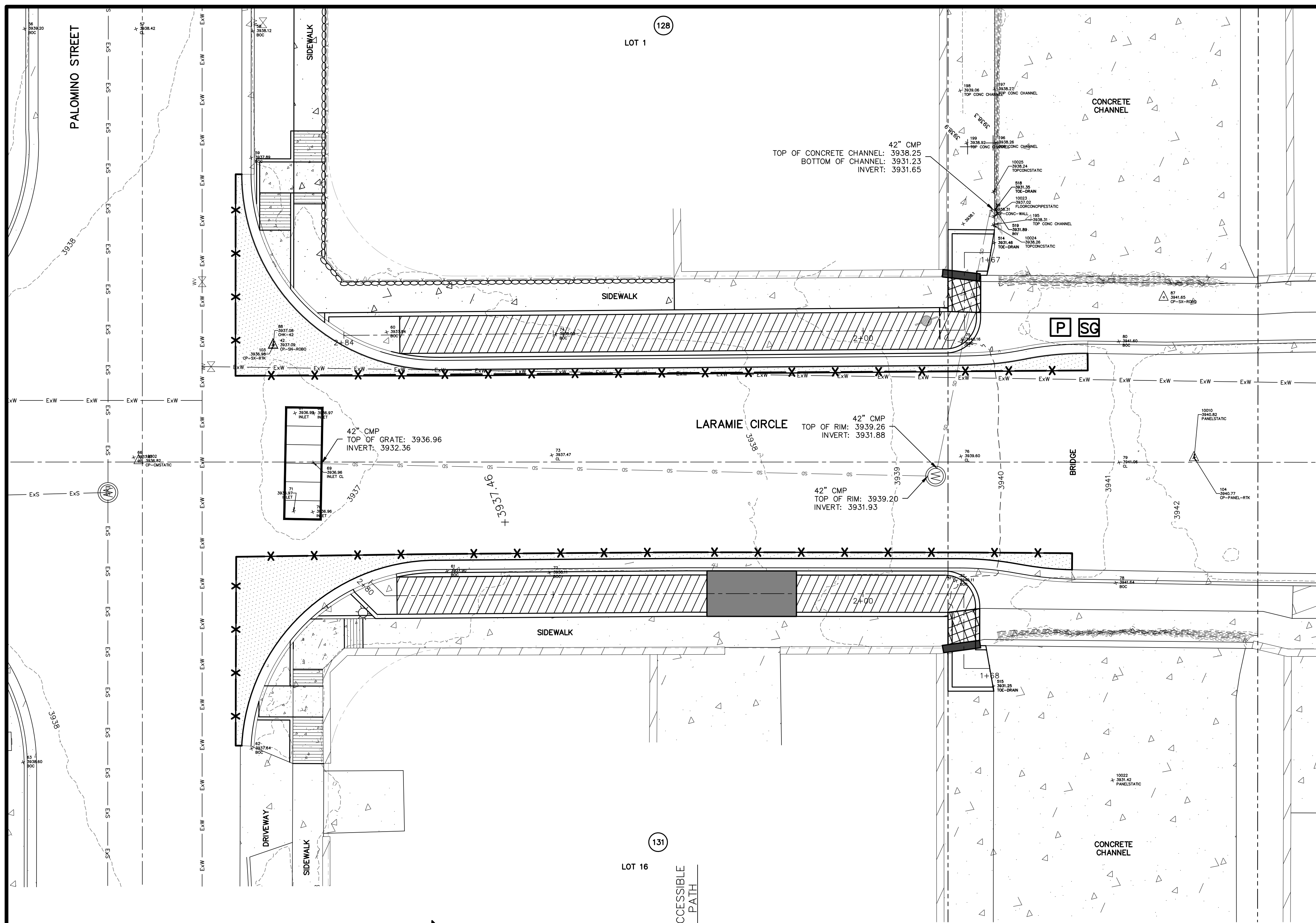
PROJECT TITLE  
**PALOMINO-LARAMIE INTERSECTION  
DRAINAGE IMPROVEMENTS**

SHEET TITLE

**STORM WATER  
POLLUTION  
PREVENTION PLAN:  
GENERAL NOTES**

SHEET NO.

C9.1

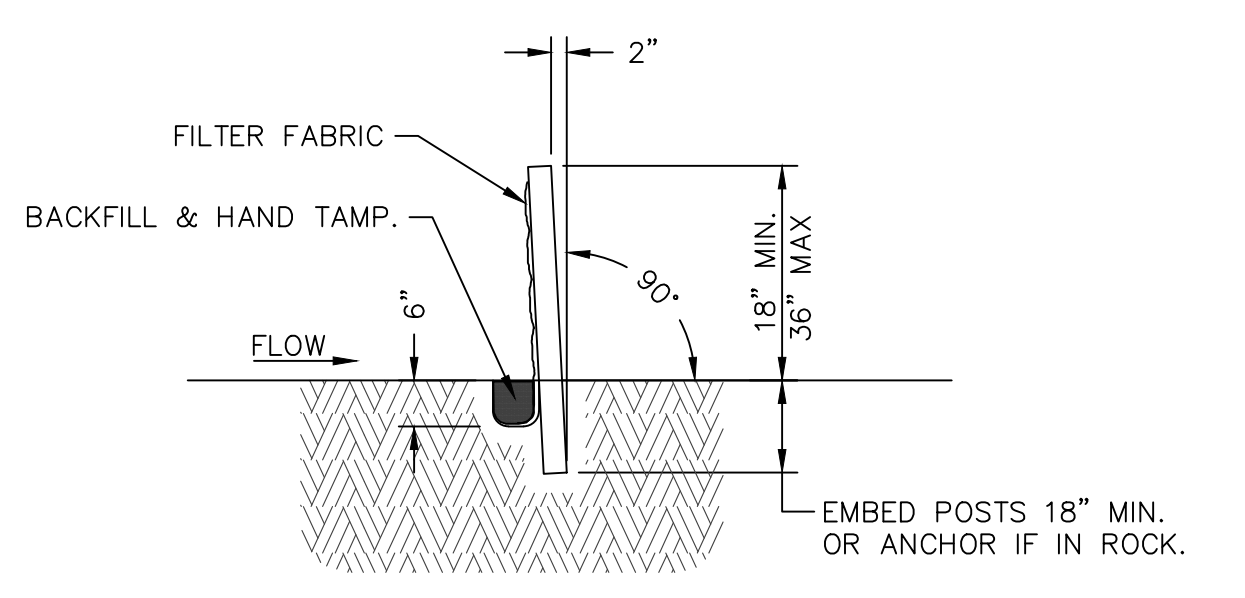


UTILITY LOCATOR SERVICES	
EL PASO ELECTRIC COMPANY	(915) 543-5720
EL PASO ENERGY CORPORATION	(915) 496-5244
EL PASO WATER UTILITIES	(915) 594-5500
MCI SURVEILLANCE	(800) MCI-WORK
TIME WARNER COMMUNICATIONS	(915) 772-1123
TEXAS GAS SERVICE	(915) 680-7200
SBC	(800) 945-6005
AT&T	(800) 852-3786
U.S. SPRINT TELECOMM	(800) 521-0579

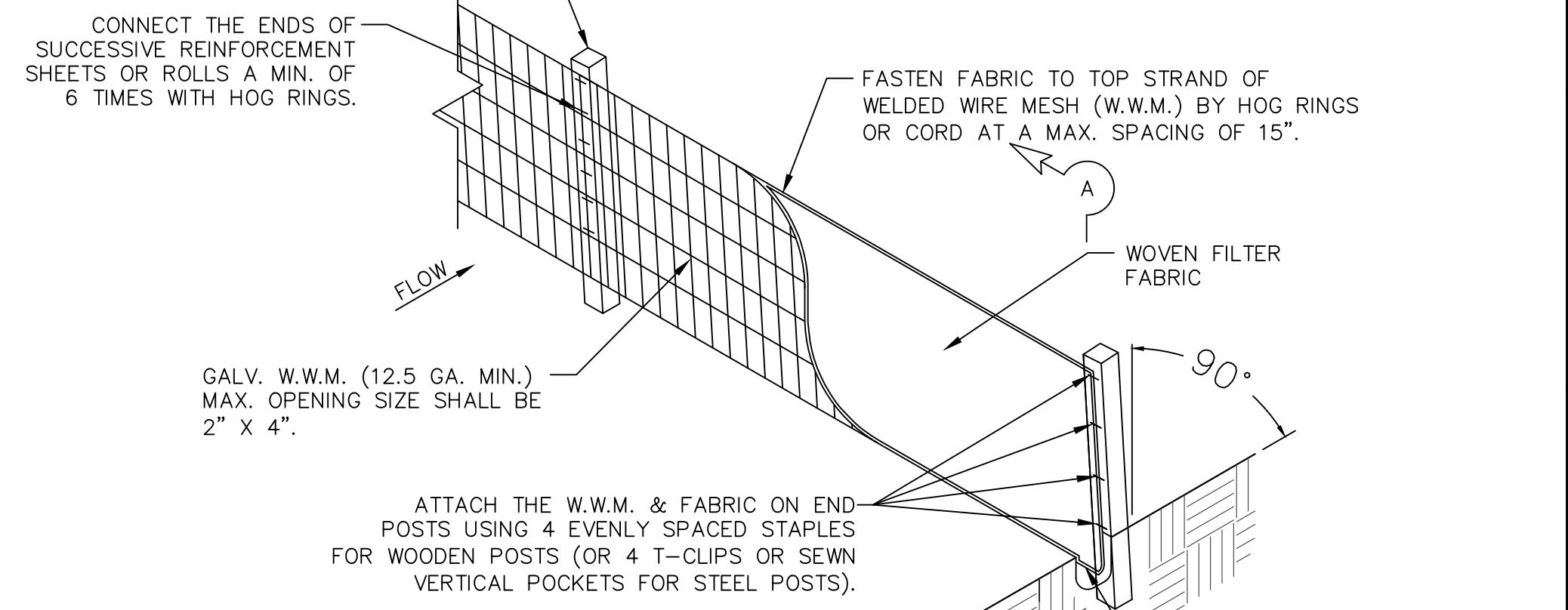
**WARNING!**  
**BEFORE YOU DIG**  
**CALL 811**  
 FOR FIELD LOCATING EXISTING UTILITIES

**LEGEND**

X-X	SILT FENCE OR EARTHEN BERM
P	PORTABLE TOILETS
SG	NOTICE OF INTENT (N.O.I.)
□	INLET PROTECTION

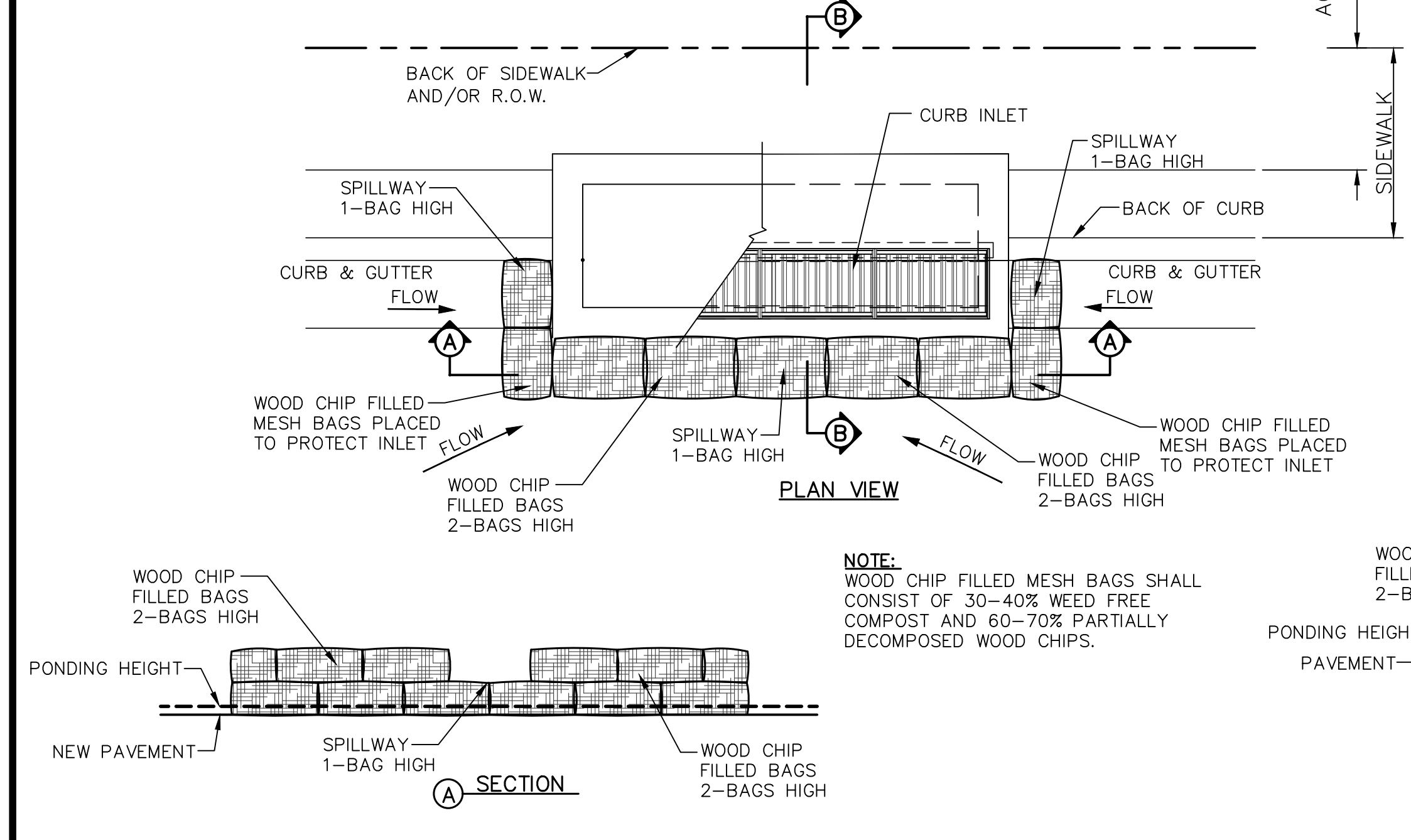


4" MIN. STEEL OR WOOD POSTS SPACED AT 6' TO 8' O.C. SOFTWOOD POSTS SHALL BE 3" MIN. DIA. OR NOMINAL 2"x4". HARDWOOD POSTS SHALL HAVE A MIN. CROSS SECTION OF 1.5" X 1.5".

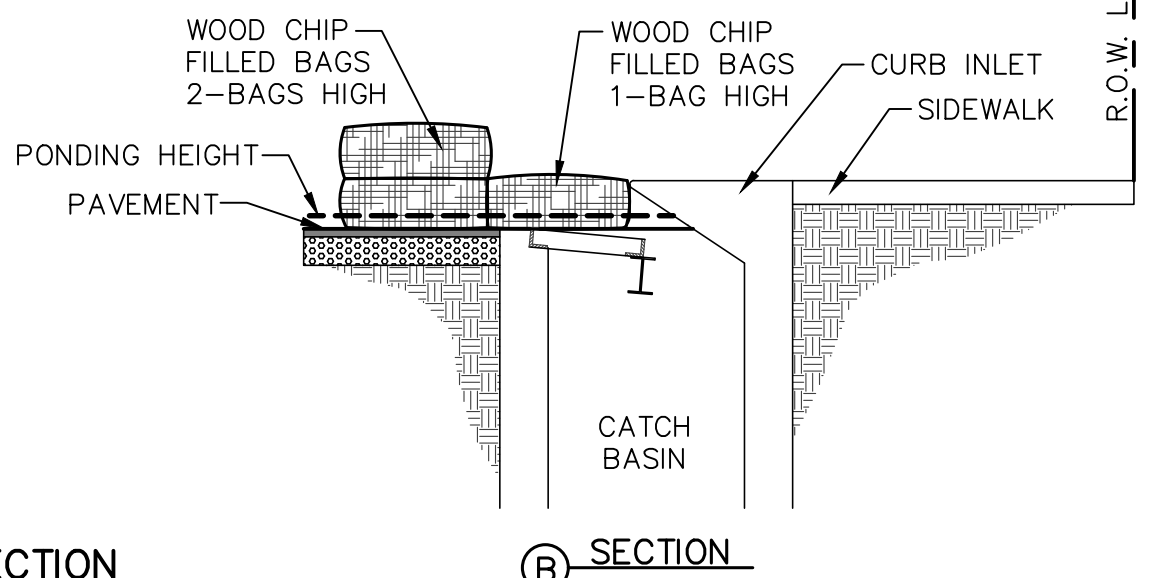


**TEMPORARY SEDIMENT CONTROL FENCE**

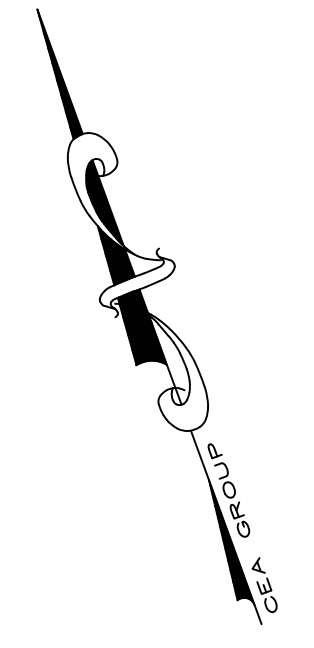
- GENERAL NOTES:**
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
  2. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.



**NOTE:**  
 WOOD CHIP FILLED MESH BAGS SHALL CONSIST OF 30-40% WEED FREE COMPOST AND 60-70% PARTIALLY DECOMPOSED WOOD CHIPS.

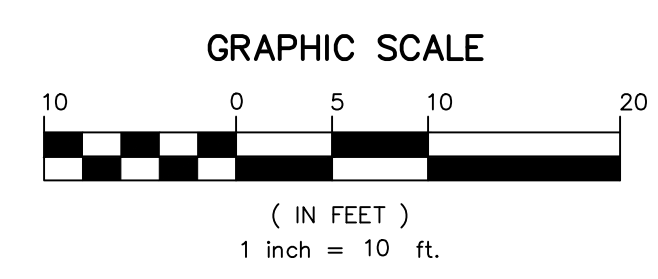


**TEMPORARY INLET PROTECTION**



**SWPPP SITE PLAN AND DETAILS**

SCALE: 1" = 10'



REFERENCES - BENCHMARKS CITY MONUMENT LOCATED AT THE CENTERLINE INTERSECTION OF CLOSDALE DRIVE AND PALOMINO STREET ELEVATION: 3939.83' (HAND B.S. SHOWN) 3928.24' (E.P.V.D.)	813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 www.ceagroup.net <b>CEA</b> GROUP TEXAS REGISTERED ENGINEERING FIRM F-4564
ENGINEER'S SEAL 	PROJECT TITLE <b>PALOMINO-LARAMIE INTERSECTION DRAINAGE IMPROVEMENTS</b>
SCALE: 1" = 10' Horizontal: N/A Vertical: N/A Contour Interval: N/A DATE: APRIL 2023 DESIGN BY: A.D.H. DRAWN BY: A.D.H./K.A.P. CHKD. BY: J.L.A. APPVD. BY: J.L.A. JOB No.: 0001-100	SHEET TITLE <b>STORM WATER POLLUTION PREVENTION PLAN: SITE PLAN AND DETAILS</b>
SHEET NO. <b>C9.2</b>	REVISIONS DATE _____ BY _____