

CITY OF WESLACO

A REGULAR MEETING OF THE PLANNING & ZONING COMMISSION

SEPTEMBER 3, 2025 5:30P.M.

LEGISLATIVE CHAMBERS

255 S. KANSAS AVENUE

David Hernandez, Chairman

Lonnie Berry, Vice-Chairman

Randy Summers, PZ Commissioner

Adrian Torres, PZ Commissioner

Jim Forward, PZ Commissioner

Carolina Crockett, PZ Commissioner

Richard Valdez, PZ Commissioner

**CITY OF WESLACO
PLANNING & ZONING COMMISSION
REGULAR MEETING
AUGUST 6, 2025**

On Wednesday, August 6, 2025, at 5:30 pm, the Planning and Zoning Commission of the City of Weslaco, Texas, convened in regular session in person.

The following commissioners were present:

David Hernandez	Chairman
Lonnie Berry	Vice-Chairman
Adrian Torres	Commissioner
Carolina Crockett	Commissioner
Richard Valdez	Commissioner
Rebekah de la Fuente	Planning Director
Kayla Arevalo	City Planner
Flor E. Acuña	Secretary

Also, present was Celestino Mejia, Inspector II, Peter Hermida, Engineer Director, Guillermo Frausto, Assistant Engineer Director and citizens.

I. CALL TO ORDER:

Chairman Hernandez called the meeting to order and welcomed everyone in the audience.

A. Roll Call/Establish a Quorum

Mrs. Arevalo called the roll call noting that Commissioner Summers, Commissioner Forward and Commissioner Crockett were absent at the time of the roll, a quorum was established. Commissioner Crockett arrived at 5:31pm.

II. PUBLIC COMMENTS

There were no comments received.

III. APPROVAL OF MINUTES

A. August 6, 2025, Regular Meeting

Commissioner Berry made a motion to approve the minutes of July 2, 2025, seconded by Commissioner Torres. Motion carried.

IV. PUBLIC HEARING

A. Discussion and consideration to rezone 320 S Pleasantview Drive. Also being Lots 1-85 Pleasantview Terrace Subdivision, Hidalgo County, Texas from R-2 Duplex and Apartment District to RT-1 Townhomes/ Condominium District.

Mrs. Arevalo stated that the notice appeared in the Monitor on July 16, 2025, there were twenty-five (25) property owners notified within the 200-foot radius, no letters for or against the item were received. Staff recommended approval.

Commissioner Berry made a motion to close the Public Hearing, seconded by Commissioner Valdez. Motion carried.

Commissioner Berry made a motion to approve the rezone, seconded by Commissioner Crockett. Motion carried.

B. Discussion and consideration to rezone 2625 N Westgate Dr. Also being 1.750 acre out of Farm Tract 143, West Tract Subdivision, Weslaco, Hidalgo County, Texas from R-1 One-Family Dwelling District to B-2 Secondary & Highway District.

Mrs. Arevalo stated that the notice appeared in the Monitor on July 16, 2025, there were fourteen (14) property owners notified within the 200-foot radius, no letters for or against the item were received. Staff recommended approval.

Commissioner Torres made a motion to close the Public Hearing, seconded by Commissioner Berry. Motion carried.

Commissioner Torres made a motion to approve the rezone, seconded by Commissioner Crockett. Motion carried.

C. Discussion and consideration to approve a Conditional Use Permit to obtain a Retail Dealer's Off-Premises Permit, at 2625 N Westgate Dr., also being 1.750 acre out of Farm Tract 143, West Tract Subdivision, Weslaco, Hidalgo County, Texas.

Mrs. Arevalo stated that the notice appeared in the Monitor on July 16, 2025, there were fourteen (14) property owners notified within the 200-foot radius, no letters for or against the item were received. Staff recommended approval.

Commissioner Berry made a motion to close the Public Hearing, seconded by Commissioner Torres. Motion carried.

Commissioner Crockett made a motion to approve the Conditional Use Permit, seconded by Commissioner Torres. Motion carried.

V. DISCUSSION AND CONSIDERATION

A. Discussion and consideration of the Preliminary Plat for Vaquero Weslaco Subdivision being a 1.750-acre tract of land out of Farm Tract 143, West Tract Subdivision, Hidalgo County, Texas. Located on Northwest corner of W. Sugarcane Dr. and Westgate Dr.

Mrs. Arevalo stated proposed one (1) lot subdivision is located inside the City of Weslaco. This subdivision is being serviced with water by North Alamo Water Supply through an 8" waterline and sewer by City of Weslaco through a 15" sewer line. Staff recommends approval of Preliminary Plat.

Commissioner Torres made a motion to approve the Preliminary Plat seconded by Commissioner Berry.

B. Discussion and consideration for six-month extension of Villas on Sugar Cane Subdivision being 2.349 acre out of Farm Tract 57, West Tract Subdivision, Weslaco, Hidalgo County, Texas. Located on the North side of Mile 9 North Road, approximately 500ft west of Mile 4 ½ West Road.

Mrs. Arevalo stated the proposed eighteen (18) lot subdivision is located inside the City of Weslaco. Final Plat is set to expire on August 6, 2025. This is the 2nd extension. The project has not started. The Engineering Department has provided an email. Staff recommends approval.

Commissioner Berry made a motion to approve the six-month extension, seconded by Commissioner Torres.

C. Discussion and consideration for six-month extension of White Rose Subdivision being 4.644 acres out of Farm Tracts 31, West Tract Subdivision, Weslaco, Hidalgo County, Texas. Located approximately 2000 feet North of Intersection on Frontage Road and Bridge Ave.

Mrs. Arevalo stated the proposed nine (9) lot subdivision is located inside the City of Weslaco. Final Plat is set to expire on July 16, 2025. This is the 1st extension. The project has not started. The Engineering Department has provided an email. Staff recommends approval.

Commissioner Berry made a motion to approve the six-month extension, seconded by Commissioner Torres.

D. Discussion and consideration for six-month extension of Ramos Estates Subdivision being 5.00 acres out of Farm Tracts 1038, West and Adams Tract Subdivision, Weslaco, Hidalgo County, Texas. Located approximately 1,700 feet North of the Intersection of FM 1015 & Pike Blvd.

Mrs. Arevalo stated the proposed three (3) lot subdivision is located inside the City of Weslaco. Final Plat is set to expire on July 16, 2025. This is the 1st extension. The project is about 60% completed. Pending fire hydrant installation and sewer line testing. The Engineering Department has provided an email. Staff recommends approval.

Commissioner Summers Berry made a motion to approve the six-month extension, seconded by Commissioner Torres.

E. Discussion and consideration to be granted a waiver to the moratorium for 600 S Bridge Ave., also being Lots 10-16 INCL., Blk FT 640, West Tract, Weslaco Trailer Park, Weslaco, Hidalgo County, Texas. Located on the NE corner of East 6th St. and South Bridge.

Mrs. Arevalo stated the applicant is requesting a wavier to the moratorium in order to submit a rezone request application from B-2 Secondary and Highway District to R-2 Duplex and Apartments. A letter for request was received. Staff recommends denial.

Commissioner Crockett made a motion to deny the waiver, seconded by Commissioner Berry.

VI. ADJOURNMENT

There being no further business to come before the Planning and Zoning Commission, Chairman Hernandez adjourned the meeting at 5:45 p.m.

Planning and Zoning Commission

David Hernandez, Chairman

Lonnie Berry, Vice-Chairman

Absent

Randy Summers, Commissioner

Carolina Crockett, Commissioner

Adrian Torres, Commissioner

Absent

Jim Forward, Commissioner

Richard Valdez, Commissioner

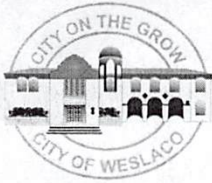
ATTEST:

Flor E. Acuña, Secretary



Planning & Zoning Commission Standardized Agenda Request Form

Date of Meeting: September 3, 2025	Agenda Item No. (to be assigned by PCE): IV.A.
From: Rebekah de la Fuente, Planning Director, on behalf of Roberta Reyes-Ramos.	
Subject/Agenda Item: Discussion and consideration to approve a Conditional Use Permit to operate an Event Center, at 310 W IH 2 Ste 3, also being Lot 2, 400 W Expressway 83 Subdivision, Weslaco, Hidalgo County, Texas. Possible Action.	
Discussion/Overview: The applicant is requesting to obtain a Conditional Use Permit to operate an Event Center. Notice of the application and the public hearing for the Planning and Zoning Commission and the City Commission appeared in The Monitor on August 13, 2025. Eighteen (18) property owners within 200 feet of the applicant's property were notified by letter on August 22, 2025.	
Staff recommendation for Commission's Action: Staff recommends approval.	
Additional Action Prompted: [X] Mayor's Signature [X] Public Hearing [] Budget Amendment [] Resolution [] Ordinance – First Reading [] Ordinance – Final Reading	
Advisory Review, (if any): (name of board/committee, date of action, recommendation): N/A	
If item previously considered, provide date and action by Commission: N/A	
Attachments,(if any): Application for Conditional Use Permit with attachments.	
Responsibilities upon Commission's Action: Planning staff will advise applicant.	



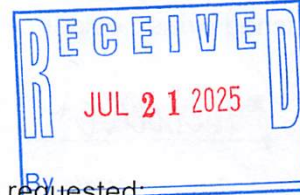
APPLICATION FOR CONDITIONAL USE PERMIT

USE-000888-2025

The Planning & Zoning Commission meets every 1st Wednesday of each month at 5:30 pm.

The City Commission meets every 1st and 3rd Tuesday of each month at 5:30 pm

FILE NO. _____



PROPOSED PROJECT

Legal Description of Property for which Conditional Use Permit is requested: _____

Lot 2 Block _____

Subdivision Name 400 w. Expressway 83

Street Address 310 w expressway 83,

Existing Zoning Commercial Existing Land Use _____

Purpose for the Conditional Use Permit Request in door event center

What, if anything, is planned to minimize the impact on the surrounding land uses: _____

hours of operation 6pm - 12am

- _____ \$300.00 non-refundable filing fee.
- _____ Detailed dimensioned site plan/map must be submitted with this request.
- _____ Survey and metes and bounds if the legal description is a portion of a lot.
- _____ City and school tax receipts attached.
- _____ I have received a copy of "CUP Application Instructions"

APPLICANT

Name roberta reyes-ramos Phone 956-472-4081

Address 1609 davenport st Fax: 956-289-1221

City weslaco State texas Zip Code 78596 E-Mail: rreyes911@yahoo.com

OWNER

Name roberta reyes-ramos Phone 956-472-4081

Address 1609 davenport st Fax: 956-289-1221

City weslaco State texas Zip Code 78596 E-Mail: rreyes911@yahoo.com

To the best of your knowledge are there any deed restrictions, restrictive covenants, etc., which would prevent the utilization of the property in the manner indicated?

Yes _____ No X

I certify that I am the actual owner of the property described above and this application is being submitted with my consent or I am authorized by the actual owner to submit this application and have attached written evidence of such authorization.

Signature  Date 7-18-25
Owner

Signature  Date 7-18-25
Applicant

Signature _____ Date _____
Authorized Agent

STAFF USE ONLY

Accepted By _____ Payment Received By _____ Date Paid _____

Notice of Public Hearing Sent to Property Owners Within 200' of Proposed Site Date _____

P & Z Notice of Public Hearing Published in Newspaper Date _____

City Commission Notice of Public Hearing Published in Newspaper Date _____

Presented to P & Z Commission Date _____
Approved _____ Disapproved _____ Tabled _____

Presented to City Commission Date _____
Approved _____ Disapproved _____ Tabled _____

City of Weslaco

"The City on the Grow"



Adrian Gonzalez, Mayor
Israel Gonzalez, Jr., Mayor Pro-Tem, Commissioner At-large
Pete Garcia, Jr. Commissioner At-large
Josh Pedraza, Commissioner, District 1
Letty Lopez, Commissioner, District 2
Jose "JP" Rodriguez, Commissioner, District 3
Adrian Farias, Commissioner District 4

Xavier Salinas, Assistant City Manager
Omar Rodriguez, Interim Assistant City Manager

PLANNING DEPARTMENT

August 22, 2025

Legal Notice

Dear Occupant:

The Weslaco Planning and Zoning Commission will hold a public hearing on Wednesday, September 3, 2025, and the City Commission will hold a public hearing on September 16, 2025, at 5:30 p.m. at the City Hall Legislative Chambers located at 255 South Kansas Avenue.

Members of the public who wish to participate in Public Hearing on an agenda item must send their name, address and phone number via email to facuna@weslacotx.gov by 12:00 pm on September 3, 2025. A staff member will contact you with instructions via phone call to address your public comment.

CONDITIONAL USE PERMIT REQUEST:

Roberta Reyes-Ramos is requesting a Conditional Use Permit to operate an Event Center, at 310 W IH 2 Ste 3, also being Lot 2, 400 W Expressway 83 Subdivision, Weslaco, Hidalgo County, Texas.

The public is hereby invited to attend and express their support or opposition to the request. You may also file a written notice supporting or protesting this action. For more information please call the Planning Department at (956) 447-3403.

Si desea información en español, por favor llame al departamento de Planeación de la ciudad de Weslaco, (956) 447-3403.

Sincerely,

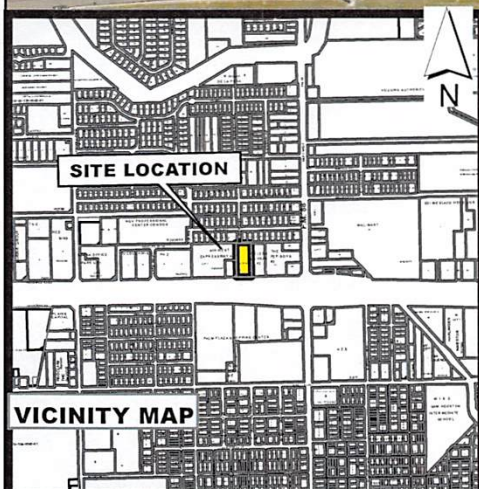
A handwritten signature in blue ink, appearing to read "Rebekah de la Fuente".

Rebekah de la Fuente
Planning Director

Planning &
Code Enforcement

CITY OF WESLACO

Planning &
Code Enforcement



Legend

-  200_ft_Buffer
-  Property_Line

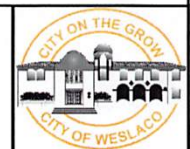
Roberta Reyes-Ramos
310 W IH2 Ste. 3
400 West Expressway 83

Purpose a Conditional Use Permit

Existing zoning: B-3

Existing land use: Commercial Plaza

CUP Request: Event Center



City of Weslaco Code Enforcement Dept.

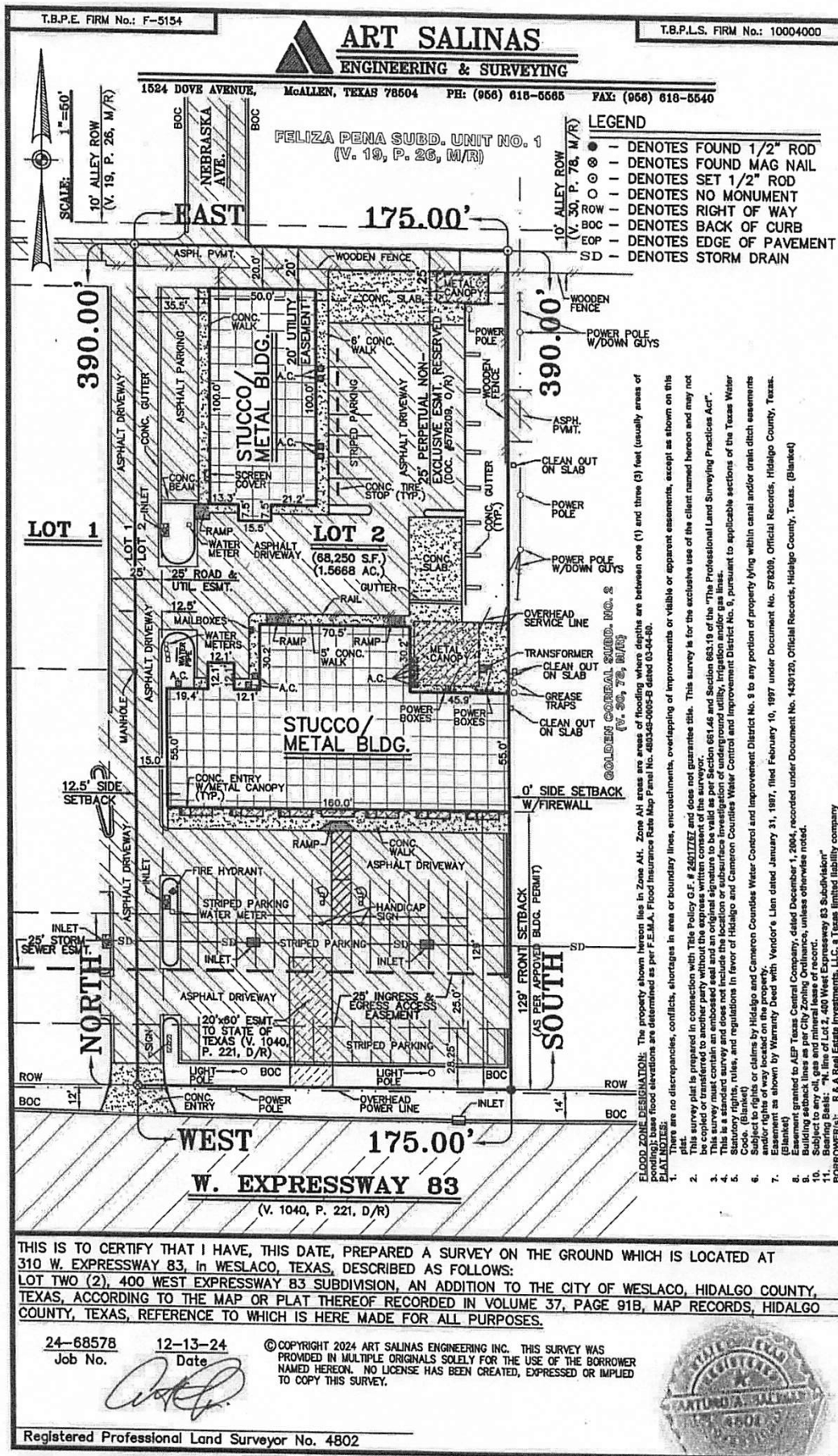
AUG 18, 2025

UNIVERSAL HEALTH REALTY INCOME 367 S GULPH RD KING OF PRUSSIA PA 19406	F5865-00-000-0001-00 400 WEST EXPRESSWAY 83 LOT 1 & 330 W EXPRWY 83	L: 2300894 B: 3791584
R & A REAL ESTATE INVESTMENTS 6400 N FM 88 WESLACO TX 78596	F5865-00-000-0002-00 400 WEST EXPRESSWAY 83 LOT 2 310 W EXPRWY 83	L: 1088588 B: 746257
RUNYEN CHRIS & SHADEAN CO-TRUSTEES REVOCABLE TRUST 5535 LONG FELLOW DR SANTA BARBARA CA 93111	G4872-02-000-0000-00 GOLDEN CORRAL #2 BEING 1.64AC 300 W EXPRWY 83	L: 1165467 B: 408975
HERRERA ROY & MARGARITA 109 PENA AVE WESLACO TX 78599	P5400-00-001-0005-00 FELIZA PENA UT NO. 1 BLK 1 LOT 5 109 PENA AVE	L: 47125 B: 119670
BANDA JULIO JR & MARY A 111 PENA AVE WESLACO TX 78599	P5400-00-001-0006-00 FELIZA PENA UT NO. 1 BLK 1 LOT 6 111 PENA AVE	L: 47125 B: 111526
GARCIA JUAN JR ET UX 113 PENA AVE WESLACO TX 78599	P5400-00-001-0007-00 FELIZA PENA UT NO. 1 BLK 1 LOT 7	L: 47125 B: 115016
RAMON ROSENDO D & OLIVIA S 115 PENA AVE WESLACO TX 78599	P5400-00-001-0008-00 FELIZA PENA UT NO. 1 BLK 1 LOT 8 115 PENA AVE	L: 47125 B: 104756
GONZALEZ ANTONIO JR & OLGA 117 PAISANO LANE WESLACO TX 78599	P5400-00-001-0009-00 FELIZA PENA UT NO. 1 BLK 1 LOT 9	L: 47125 B: 110486
LONGORIA LUCIANO & MARIA G 110 PENA AVE WESLACO TX 78599	P5400-00-002-0006-00 FELIZA PENA UT NO. 1 BLK 2 LOT 6 110 PENA AVE	L: 49010 B: 120302
MILLER SANDRA R & DIANA 2325 ARROYO AVE MCALLEN TX 78504	P5400-00-002-0007-00 FELIZA PENA UT NO. 1 BLK 2 LOT 7 112 PENA AVE	L: 49010 B: 64368
RODRIGUEZ NOE Jr 116 PENA AVE WESLACO TX 78599	P5400-00-002-0008-00 FELIZA PENA UT NO. 1 BLK 2 LOT 8 1806 N NEBRASKA AVE	L: 67860 B: 219458
MALDONADO ISRAEL 201 PENA AVE WESLACO TX 78599	P5400-00-003-0001-00 FELIZA PENA UT NO. 1 BLK 3 LOTS 1 & 2 201 W PENA	L: 81900 B: 376017

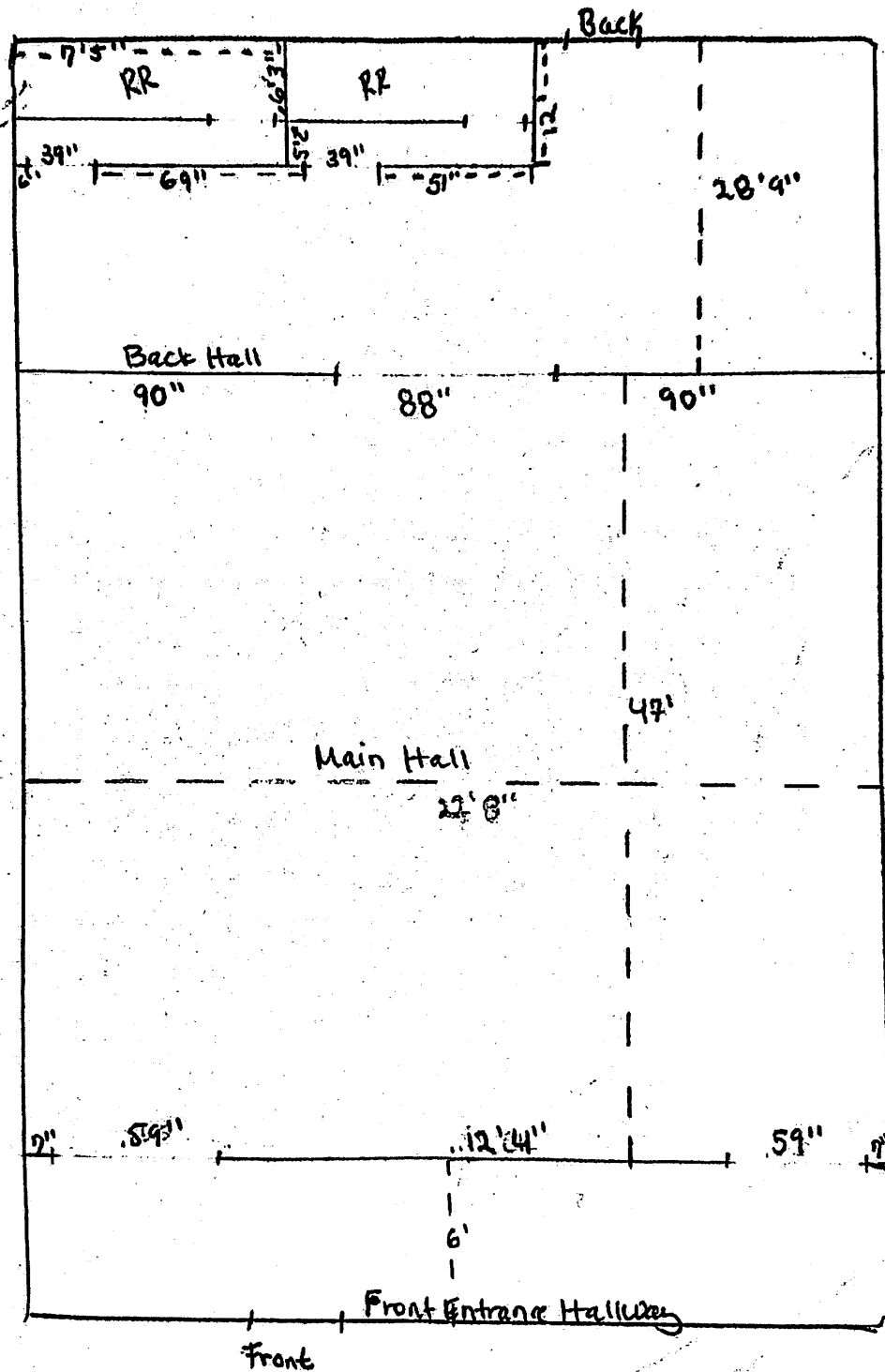
City of Weslaco Code Enforcement Dept.

AUG 18, 2025

FEW THE PROUD OUR CHILDER INC 201 PENA AVE WESLACO TX 78599	P5400-00-003-0003-00 FELIZA PENA UT NO. 1 BLK 3 LOT 3 205 PENA AVE	L: 45675 B: 96635
CAVAZOS MARIA B 207 PENA AVE WESLACO TX 78599	P5400-00-003-0004-00 FELIZA PENA UT NO. 1 BLK 3 LOT 4 207 PENA AVE	L: 45675 B: 99700
ARELLANO TEODORO & MARIA 200 PENA AVE WESLACO TX 78599	P5400-00-004-0001-00 FELIZA PENA UT NO. 1 BLK 4 LOT 1 200 PENA AVE	L: 45675 B: 140993
MONTENEGRO MARIA ANGELICA 202 PENA AVE WESLACO TX 78599	P5400-00-004-0002-00 FELIZA PENA UT NO. 1 BLK 4 LOT 2 202 PENA AVE	L: 45675 B: 106261
RE WESLACO LLC 1 PRESIDENTIAL BLVD STE 400 BALA CYNWYD PA 19004	T3640-02-000-0000-05 THE PEP BOYS NO.2 ALL EXC S380'-W25' 1501 N TEXAS BLVD	L: 1594522 B: 1093738
EXTREME NUTRITION-SPORTS 2602 YANEZ ST DONNA TX 78537	E8650-00-000-0001-00 EXTREME NUTRITION LOT 1	L: 391987 B: 450639



310 W Expressway 83 ste 3





Planning & Zoning Commission Standardized Agenda Request Form

Date of Meeting: September 3, 2025	Agenda Item No. (to be assigned by PCE): V.A.
From: Rebekah de la Fuente, Planning Director, on behalf of Manhard Consulting.	
Subject/Agenda Item: Discussion and consideration for the Preliminary and/or Final Plat for Barbee Commercial being a 20.748-acre tract of land out of Farm Tract 1028, Block 135, West and Adams Tract Subdivision, Weslaco, Hidalgo County, Texas. Located on the Northwest corner of FM 1015 and Barbee Drive. Possible Action.	
Discussion/Overview: The proposed one (1) lot subdivision is located inside the City of Weslaco. This subdivision is being serviced with water by City of Weslaco through a 8" waterline and sewer by City of Weslaco through a 8" sewer line. The property is within a Flood Zone "X".	
If item requires Publication Notice, provide date and periodical of publication; indicate if comments received from letters mailed to property owners: N/A	
Staff recommendation for Commission's Action: Staff recommends approval of Preliminary and/or Final Plat.	
Additional Action Prompted: ☒ Mayor's Signature ☐ Public Hearing ☐ Budget Amendment ☐ Resolution ☐ Ordinance – First Reading ☐ Ordinance – Final Reading	
Advisory Review, (if any): (name of board/committee, date of action, recommendation): N/A	
If item previously considered, provide date and action by Commission: N/A	
Attachments, (if any): Application for Subdivision platting and variance, Staff's comments, Drainage Report, Subdivision plat and Utility layout.	
Responsibilities upon Commission's Action: Planning staff will advise applicant.	



SUBDIVISION PLATTING APPLICATION

The Planning & Zoning Commission meets every 1st Wednesday of each month at 5:30 pm.

The City Commission meets every 1st and 3rd Tuesday of each month at 5:30 pm

FILE NO. _____

This form shall be completed by the Property Owner or Applicant and submitted to the Planning Department along with the required number of copies of the respective plat, review fee and all other required information listed below and in the Subdivision Ordinance. The submittal of an application does not constitute acceptance for processing until the staff reviews and determines the application is complete.

STAFF USE ONLY

☐ Single Lot Variance ☐ Minor Plat ☐ Planned Unit Development ☐ Standard Subdivision

GENERAL INFORMATION

Name of Subdivision: Barbee Commercial

Location: NW Corner of FM 1015 and Barbee Drive

Legal Description: A 21.86-Acre tract of land, more or less, out of farm tract 1028, block 135. The west and Adams tract, Hildago county, Texas. As per map or plat thereof recorded in volume 2, pages 34-37, map records, Hildago County, Texas.

Is subdivision inside city limits? ☒ YES ☐ NO

If subdivision is in the ETJ, indicate? ☐ 3.5 Mile ☐ 5 Mile

If no submit letter of Annexation (Contiguous or Consensual)

Existing Zoning: B-2 Secondary & Highway District

Existing Land Use: Vacant Proposed Land Use: Retail Store

Number of Lots Proposed: 1 Gross Acreage: 21.67

Title Report Submitted: ☒ YES ☐ NO

OWNER INFORMATION

Owner's Name: Sam's Real Estate Business Trust Telephone: (479) 644-5695

Address: 2101 SE Simple Savings Drive Fax: _____

City: Bentonville State: AR Zip: 72712 E-mail: trey.carter@walmart.com

ENGINEER INFORMATION

Name: Manhard Consulting Telephone: (303) 531-3222

Address: 8144 Walnut Hill Lane, Suite 750 Fax: _____

City: Dallas State: TX Zip: 75231 E-mail: jrentz@manhard.com

255 S. KANSAS AVE ■ WESLACO, TEXAS 78596-6285 ■ 956-447-3401 ■ (Fax) 956-973-3128 ■ WWW.WESLACOTX.GOV

UTILITY PROVISIONS

Will proposed subdivision connect to:

☒ YES ☐ NO Water Provision: City of Weslaco

☒ YES ☐ NO Wastewater Provision: City of Weslaco

☒ YES ☐ NO Electric Company: Magic Valley

☒ YES ☐ NO Phone Utility <u>SBC</u>	☒ YES ☐ NO Gas Utility	☒ YES ☐ NO Cable Utility
--	---	---

Proposed subdivision is in the following districts:

☒ YES ☐ NO Drainage District <u>HCDD#1</u>	☒ YES ☐ NO Irrigation District <u>Hildago and Cameron Counties Irrigation District #9</u>
---	--

Has the property been assessed as flat rate irrigable property: ☐ YES ☐ NO

Have Water Rights been conveyed to City/Water Supplier? ☐ YES ☐ NO

(Attach written proof of such assessment or that it has never been assessed as such a property) If **YES**, attach an estimate from the irrigation district of the proportional water rights for the subdivision as calculated under Texas Water Code § 49.505.

SUBMITTALS REQUIRED FOR SUBDIVISION REVIEW

- _____ **Seven (7)** sets of preliminary plat **folded and stapled** (24 x 36) and forward a copy in PDF format to rdelafuente@weslacotx.gov
- _____ **\$55.00** Subdivision Review fee
- _____ PDF copy of all documents submitted (emailed or USB)
- _____ One 11" X 17" reduced copy of plat
- _____ Plat Layout
 - _____ Existing & Proposed Easements
 - _____ Existing & Proposed ROW
 - _____ Existing & Proposed Drainage Easements
 - _____ Contours
 - _____ Flood Zones
 - _____ Adjoiners
 - _____ Existing & Proposed street names
- _____ Utility Layout
 - _____ Existing & Proposed Utilities
 - _____ Proposed Fire Hydrants
 - _____ Adjoiners
 - _____ Street names
- _____ Drainage plans and calculations with engineer's seal
 - _____ Elevations
 - _____ Flood directional arrows
 - _____ Detention areas
 - _____ Street names
- _____ Proof of ownership of the property
- _____ If septic tank system required, submit soil evaluation report
- _____ Water Rights associated with the property
- _____ Tax Receipt for all taxing entities showing that taxes are paid in full
- _____ Number of fire hydrants proposed for subdivision
- _____ Trip Generation Worksheet



PLAN CORRECTIONS REPORT PAR-000757-2024 FOR CITY OF WESLACO

PLAN ADDRESS: Barbee Commercial
Weslaco, TX 78596

PARCEL:

APPLICATION DATE: 12/23/2024 **SQUARE FEET:** 0.00 **DESCRIPTION:** BARBEE COMMERCIAL
EXPIRATION DATE: 12/23/2025 **VALUATION:** \$0.00

CONTACTS	Name	Company	Address
Engineer		MANHARD CONSULTING	8144 Walnut Hill Lane , Suite 750 Dallas, TX 75231

Pre-Application Subdivision Review

REVIEW ITEM	STATUS	REVIEWER
Building Review - Planning v.1	Approved	Felix Salazar email: fsalazar@weslacotx.gov
Building Review - Planning		
Engineering v.1	Requires Re-submit	Alberto Aldana Ph: 956-969-1533 email: aaldana@weslacotx.gov
Review conducted by the engineering department		
Engineering v.2	Requires Re-submit	Alberto Aldana Ph: 956-969-1533 email: aaldana@weslacotx.gov
Review conducted by the engineering department		
Engineering v.3	Approved with Comments	Peter Hermida Ph: 9569683181 email: phermida@weslacotx.gov
Review conducted by the engineering department		
Fire Review v.1	Approved with Comments	Mike Swinnea email: mswinnea@weslacotx.gov
Review by the fire department		
Planning/Zoning v.1	Requires Re-submit	Kayla Arevalo email: karevalo@weslacotx.gov
Review conducted by the planning and zoning department		
Planning/Zoning v.2	Requires Re-submit	Kayla Arevalo email: karevalo@weslacotx.gov
Review conducted by the planning and zoning department		
Planning/Zoning v.3	Requires Re-submit	Kayla Arevalo email: karevalo@weslacotx.gov
Review conducted by the planning and zoning department		
Planning/Zoning v.4	Approved with Comments	Kayla Arevalo email: karevalo@weslacotx.gov
Review conducted by the planning and zoning department		
Police v.1	Not Required	System Administrator Ph: 444 email: admin@energov.com
Review conducted by the police department		
Public Works v.1	Requires Re-submit	Marcelo Cosme Ph: 956-973-3146 email: mcosme@weslacotx.gov
Public Works		
Public Works v.2	Requires Re-submit	Marcelo Cosme Ph: 956-973-3146 email: mcosme@weslacotx.gov
Public Works		
Public Works v.3	Requires Re-submit	Marcelo Cosme Ph: 956-973-3146 email: mcosme@weslacotx.gov
Public Works		
Public Works v.4	Approved	Marcelo Cosme Ph: 956-973-3146 email: mcosme@weslacotx.gov
Public Works		

CONDITION(S) General Condition - Planning approved w/comments

Comment: 1. Identify the point of commencement

Access roads shall be 26' minimum with hydrant unobstructed, 20' without hydrant unobstructed. All weather surface road that supports the imposed loads of fire apparatus shall be in place (concrete or asphalt). - Access roads shall be 26' minimum with hydrant unobstructed, 20' without hydrant unobstructed. All weather surface road that supports the imposed loads of fire apparatus shall be in place (concrete or asphalt).

Comment: General Note

Shall have fire hydrant within 400'. Shall have 4 ½" outlet facing the street with 18" to 24" clearance from bottom of outlet to grade level for hydrant wrench - Shall have fire hydrant within 400'. Shall have 4 ½" outlet facing the street with 18" to 24" clearance from bottom of outlet to grade level for hydrant wrench. Hydrants shall be marked on the streets with reflective blue marker to show location of hydrants. Hydrants shall have 3' clearance from any fences, poles, brush, etc.

Comment: General Note



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 DRAINAGE STATEMENT

BARBEE COMMERCIAL SUBDIVISION
HIDALGO COUNTY, TEXAS

PREPARED BY:
MANHARD CONSULTING
8144 WALNUT HILL LANE, SUITE 750
DALLAS, TX 75231
PH: 972-972-4250



AUGUST 26, 2025

INDEX

- I. Drainage Statement**
- II. Runoff Coefficients “c” Table**
- III. Weighted “c” Calculations**
- IV. Drainage Calculations**
- V. Aerial Location Map**
- VI. Hidalgo County Rainfall Data Tables**
- VII. USDA Soil Map & Description**
- VIII. FEMA FIRM with Site Location**
- IX. Existing Area Drainage Map**
- X. Proposed Drainage Area Map**
- XI. Subdivision Plat**
- XII. Drainage Layout**

DRAINAGE STATEMENT

DRAINAGE STATEMENT
BARBEE COMMERCIAL SUBDIVISION
Weslaco, Hidalgo County, Texas

Barbee Subdivision is approximately 21.67 acres, including ROW, situated in the Juan Jose Ynojosa De Balli Survey, abstract No. 54. The tract is conveyed to 1015 Rainbow, LTD by deed of record in document No. 2013-2397371 of the official public records of Hidalgo County, Texas. This subdivision is located in the City of Weslaco, County of Hidalgo, Texas. The tract is currently vacant land with a proposed use for Commercial Retail. This property is located in Zone "X" on FEMA's Flood Insurance Rate Map, Community Panel Number 480330450C with an effective date of June 6, 2000. Zone "X" is defined as areas determined to be outside the 500-year floodplain.

The soils in this area are entirely sandy clay loam (Soils 28) with slopes generally varying from 0 to 1%. These soils belong to hydrologic group B, which has a moderate infiltration rate when saturated. These soils consist mainly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission. The NCRS soils map and information for this tract have been included in this report.

In the historic condition, surface storm runoff on this tract generally flows from southwest to northeast. The pre-development rate of storm runoff is 33.38 cfs based on the 10-year storm frequency. The post-development rate of stormwater runoff is 133.97 cfs based on the 50-year storm frequency, netting an increase of 100.59 cfs. Calculations for these storm runoff values have been included in this report. A post-development Time of Concentration value of 10-minutes was applied for the entire site.

In accordance with the City of Weslaco drainage policy, the proposed storm drainage system for the subdivision will consist of surface runoff away from buildings and into the proposed parking areas. This runoff will then be collected by one of two onsite storm networks via inlets and truck well drains, as well as downspouts from the building roof. The pipe diameters for these storm networks range from 8" to 36", not including downspout connections. One storm system, System A, will discharge into an onsite detention basin in the northeast corner of the site before being discharged at a restricted rate into the existing local storm system within FM 1015 (North International Boulevard). The other proposed onsite storm system, System UG, will convey storm runoff into an underground detention basin located in the southeast section of the site, under the parking lot. Storm runoff in this system will then be discharged at a restricted rate to the existing storm infrastructure in FM 1015. Additionally, approximately 3.34 acres will be released from the site un-detained. A basin map has been included to show the basins for each proposed storm system.

In accordance with the City of Weslaco and Hidalgo County Drainage District policy, the difference between the pre (10-year) and post (50-year) development storm runoff shall not increase. In order to release the developed 50-year storm event at a rate not greater than the historic 10-year storm event release rate, a storage volume of 120,491 cubic feet (2.77 acre-feet) and 66,230 cubic feet (1.52 acre-feet) are required in the onsite detention basin and the proposed underground basin, respectively. Due to the proposed storm pipe elevation into the on-site detention basin, the provided volume for Storm System A is 126,249 cubic feet (2.90 acre-feet). Additionally, the provided volume of the proposed underground detention for Storm System UG is approximately 67,425 cubic feet (1.55 acre-feet). The peak release rates from the proposed onsite detention basin and underground basin are 4.70 cfs and 3.03 cfs, respectively. Combining these attenuated flows with the peak undetained flow rate of 13.89 cfs, the total 50-year post development release rate from the site is 21.62 cfs, which is below the 33.38 cfs release rate from the site in the historic 10-year event.



SIGNATURE:

Matthew Smith, PE
For and on behalf of Manhard Consulting

August 26, 2025

RUNOFF COEFFICIENTS TABLE "C" VALUES

Runoff Coefficients	
Type of Drainage Area	Runoff Coefficient "C"
Pervious Area	0.3
Impervious Area	0.9

$$C_w = (C_1A_1 + C_2A_2 + C_3A_3 + \dots C_nA_n) / A_{\text{total}}$$

C_w = Weighted Runoff Coefficient (Composite Coefficient)

C_n = Runoff Coefficient n-th term

A_n = Area of N-th term

A_{total} = Total Area (Acres)

WEIGHTED “c” CALCULATIONS

PROPOSED COMPOSITE "C" VALUES				
Area Name	Area (acres)	Surface (na)	C (na)	Composite C
A	2.54	Pervious	0.30	0.78
	9.69	Impervious	0.90	
UG	0.40	Pervious	0.30	0.86
	5.64	Impervious	0.90	
T-1	0.40	Pervious	0.30	0.45
	0.13	Impervious	0.90	
T-2	0.00	Pervious	0.30	0.90
	0.21	Impervious	0.90	
OS-1	0.56	Pervious	0.30	0.30
	0.00	Impervious	0.90	
OS-2	0.10	Pervious	0.30	0.30
	0.00	Impervious	0.90	
OS-3	0.58	Pervious	0.30	0.47
	0.23	Impervious	0.90	

EXISTING COMPOSITE "C" VALUES				
Area Name	Area (acres)	Surface (na)	C (na)	Composite C
EX-1	19.62	Pervious	0.30	0.31
	0.30	Impervious	0.90	
OS-1	0.38	Pervious	0.30	0.49
	0.18	Impervious	0.90	
OS-2	0.23	Pervious	0.30	0.41
	0.05	Impervious	0.90	

DRAINAGE CALCULATIONS



NRCS TIME OF CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

PROJECT: Sam's Weslaco

CALCULATED BY: JAR

SUBBASIN: Basin A

DATE: 8/11/2025

CONDITION (SELECT FROM DROP-DOWN)

☐ PROPOSED CONDITION

☒ EXISTING CONDITION

SHEET FLOW

1. Segment ID	A-B
2. Surface description	cultivated soil
3. Manning's roughness coefficient, n	0.17
4. Flow length, L (≤ 100 ft) [FT]	100
5. 2-year, 24-hr rainfall, P_2 [IN]	3.81
6. Land slope, s [FT/FT]	0.003
7. Travel time, T_t [MIN] $T_t = \frac{0.007(nL)^{0.8}}{(P_2)^{0.5S^{0.4}}} (60)$	21.20
= 21.20 min	

SHALLOW CONCENTRATED FLOW

8. Segment ID	B-C	C-D	
9. Surface description (drop-down list)	Unpaved		
10. Flow length, L [FT]	700		
11. Watercourse slope, s [FT/FT]	0.003		
12. Average velocity, V [FT/S]	0.81		
13. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$	14.32	+	
		+	
		=	14.32 min

OPEN CHANNEL FLOW

14. Segment ID			
15. Cross-sectional flow area, A [SQFT]			
16. Wetted Perimeter, P_w [FT]			
17. Hydraulic radius, R [FT]			
18. Flow Length, L [FT]			
19. Channel slope, S [FT/FT]			
20. Manning's roughness coefficient, n			
21. Average velocity, V [FT/S] $V = \frac{1.486}{n} R^{\frac{2}{3}} S^{\frac{1}{2}}$			
22. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$		+	
		+	
		=	 min

TIME-OF-CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

23. Time-of-Concentration, T_c , or Travel Time, T_t	$T_c, T_t = \sum T_t$	=	36 min
--	-----------------------	---	--



NRCS TIME OF CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

PROJECT: Sam's Weslaco

CALCULATED BY: JAR

SUBBASIN: Basin A

DATE: 8/11/2025

CONDITION (SELECT FROM DROP-DOWN)

☒ PROPOSED CONDITION

☐ EXISTING CONDITION

SHEET FLOW

1. Segment ID	A-B
2. Surface description	Asphalt
3. Manning's roughness coefficient, n	0.001
4. Flow length, L (≤ 100 ft) [FT]	50
5. 2-year, 24-hr rainfall, P_2 [IN]	3.81
6. Land slope, s [FT/FT]	0.020
7. Travel time, T_t [MIN] $T_t = \frac{0.007(nL)^{0.8}}{(P_2)^{0.5S^{0.4}}} (60)$	0.09
= 0.09 min	

SHALLOW CONCENTRATED FLOW

8. Segment ID	B-C	C-D	
9. Surface description (drop-down list)	Unpaved		
10. Flow length, L [FT]	1033		
11. Watercourse slope, s [FT/FT]	0.004		
12. Average velocity, V [FT/S]	0.95		
13. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$	18.04	+	
		+	
		=	18.04 min

OPEN CHANNEL FLOW

14. Segment ID			
15. Cross-sectional flow area, A [SQFT]			
16. Wetted Perimeter, P_w [FT]			
17. Hydraulic radius, R [FT]			
18. Flow Length, L [FT]			
19. Channel slope, S [FT/FT]			
20. Manning's roughness coefficient, n			
21. Average velocity, V [FT/S] $V = \frac{1.486}{n} R^{\frac{2}{3}} S^{\frac{1}{2}}$			
22. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$		+	
		+	
		=	 min

TIME-OF-CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

23. Time-of-Concentration, T_c , or Travel Time, T_t	$T_c, T_t = \sum T_t$	=	18 min
--	-----------------------	---	--



NRCS TIME OF CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

PROJECT: Sam's Weslaco

CALCULATED BY: JAR

SUBBASIN: Underground (UG)

DATE: 8/11/2025

CONDITION (SELECT FROM DROP-DOWN)

☐ PROPOSED CONDITION

☒ EXISTING CONDITION

SHEET FLOW

1. Segment ID	A-B
2. Surface description	cultivated soil
3. Manning's roughness coefficient, n	0.17
4. Flow length, L (≤ 100 ft) [FT]	100
5. 2-year, 24-hr rainfall, P_2 [IN]	3.81
6. Land slope, s [FT/FT]	0.003
7. Travel time, T_t [MIN] $T_t = \frac{0.007(nL)^{0.8}}{(P_2)^{0.5S^{0.4}}} (60)$	21.20
= 21.20 min	

SHALLOW CONCENTRATED FLOW

8. Segment ID	B-C	C-D	
9. Surface description (drop-down list)	Unpaved		
10. Flow length, L [FT]	750		
11. Watercourse slope, s [FT/FT]	0.003		
12. Average velocity, V [FT/S]	0.88		
13. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$	14.14	+	
		+	
			= 14.14 min

OPEN CHANNEL FLOW

14. Segment ID			
15. Cross-sectional flow area, A [SQFT]			
16. Wetted Perimeter, P_w [FT]			
17. Hydraulic radius, R [FT]			
18. Flow Length, L [FT]			
19. Channel slope, S [FT/FT]			
20. Manning's roughness coefficient, n			
21. Average velocity, V [FT/S] $V = \frac{1.486}{n} R^{\frac{2}{3}} S^{\frac{1}{2}}$			
22. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$		+	
		+	
			= min

TIME-OF-CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

23. Time-of-Concentration, T_c , or Travel Time, T_t	$T_c, T_t = \sum T_t$	= 35 min
--	-----------------------	---



NRCS TIME OF CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

PROJECT: Sam's Weslaco

CALCULATED BY: JAR

SUBBASIN: Underground (UG)

DATE: 8/11/2025

CONDITION (SELECT FROM DROP-DOWN)

☒ PROPOSED CONDITION

☐ EXISTING CONDITION

SHEET FLOW

1. Segment ID	A-B
2. Surface description	Asphalt
3. Manning's roughness coefficient, n	0.001
4. Flow length, L (≤ 100 ft) [FT]	50
5. 2-year, 24-hr rainfall, P_2 [IN]	3.81
6. Land slope, s [FT/FT]	0.020
7. Travel time, T_t [MIN] $T_t = \frac{0.007(nL)^{0.8}}{(P_2)^{0.5S^{0.4}}} (60)$	0.09
	= 0.09 min

SHALLOW CONCENTRATED FLOW

8. Segment ID	B-C	C-D	
9. Surface description (drop-down list)	Unpaved		
10. Flow length, L [FT]	1080		
11. Watercourse slope, s [FT/FT]	0.004		
12. Average velocity, V [FT/S]	0.95		
13. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$	18.86	+	
		+	
			= 18.86 min

OPEN CHANNEL FLOW

14. Segment ID			
15. Cross-sectional flow area, A [SQFT]			
16. Wetted Perimeter, P_w [FT]			
17. Hydraulic radius, R [FT]			
18. Flow Length, L [FT]			
19. Channel slope, S [FT/FT]			
20. Manning's roughness coefficient, n			
21. Average velocity, V [FT/S] $V = \frac{1.486}{n} R^{\frac{2}{3}} S^{\frac{1}{2}}$			
22. Travel time, T_t [MIN] $T_t = \frac{L}{60V}$		+	
		+	
			= min

TIME-OF-CONCENTRATION (T_c) OR TRAVEL TIME (T_t)

23. Time-of-Concentration, T_c , or Travel Time, T_t	$T_c, T_t = \sum T_t$	= 19 min
--	-----------------------	--

Pond A Drainage / Detention Calculations

Onsite Existing Conditions		
Area	12.23	acres
Time (Tc)	36	minutes
C value	0.30	
I-10yr	4.20	in/hr
Q10yr (T)	15.41	cfs

Allowable Release

Onsite Proposed Conditions		
Area	12.23	acres
Time (Tc)	18	minutes
C value	0.78	
I-50yr	8.15	in/hr
Q50yr	77.75	cfs

Developed Runoff

Underground Drainage / Detention Calculations

Onsite Existing Conditions		
Area	6.04	acres
Time (Tc)	35	minutes
C value	0.30	
I-10yr	4.25	in/hr
Q10yr (T)	7.70	cfs

Allowable Release

Onsite Proposed Conditions		
Area	6.04	acres
Time (Tc)	18	minutes
C value	0.86	
I-50yr	8.15	in/hr
Q50yr	42.33	cfs

Developed Runoff

Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)
BASIN A	PR - 50-YR	50	134,468.000	18.000	46.69
BASIN UG	PR - 50-YR	50	73,688.000	18.000	25.06

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)
A - OUTFALL	PR - 50-YR	50	134,468.000	64.000	4.70
UG - OUTFALL	PR - 50-YR	50	72,739.000	65.000	3.03

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ft³)	Time to Peak (min)	Peak Flow (ft³/s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ft³)
POND A (IN)	PR - 50-YR	50	134,468.000	18.000	46.69	(N/A)	(N/A)
POND A (OUT)	PR - 50-YR	50	134,468.000	64.000	4.70	67.94	120,491.000
POND UG (IN)	PR - 50-YR	50	73,688.000	18.000	25.06	(N/A)	(N/A)
POND UG (OUT)	PR - 50-YR	50	72,739.000	65.000	3.03	65.61	66,230.000

Subsection: I-D-F Table

Label: Weslaco IDF

Scenario: PR - 50-YR

Return Event: 50 years

Storm Event: Weslaco IDF - 50 Year

I-D-F Curve

Time (min)	Intensity (in/h)
5.000	13.000
10.000	10.400
15.000	8.660
30.000	6.090
60.000	4.030
120.000	2.570
180.000	1.940
360.000	1.180
720.000	0.685
1,440.000	0.395

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	63.000	252.000	567.000	1,020.000
5.000	1,614.000	2,353.000	3,237.000	4,273.000	5,457.000
10.000	6,794.000	8,281.000	9,919.000	11,709.000	13,649.000
15.000	15,741.000	17,984.000	20,377.000	22,921.000	25,539.000
20.000	28,151.000	30,760.000	33,364.000	35,965.000	38,562.000
25.000	41,155.000	43,744.000	46,331.000	48,914.000	51,493.000
30.000	54,070.000	56,645.000	59,216.000	61,784.000	64,350.000
35.000	66,913.000	69,474.000	72,032.000	74,588.000	77,141.000
40.000	79,692.000	82,242.000	84,789.000	87,333.000	89,876.000
45.000	92,416.000	94,955.000	97,491.000	100,026.000	102,481.000
50.000	104,779.000	106,919.000	108,902.000	110,728.000	112,398.000
55.000	113,911.000	115,267.000	116,467.000	117,510.000	118,397.000
60.000	119,128.000	119,702.000	120,121.000	120,384.000	120,491.000
65.000	120,443.000	120,239.000	119,958.000	119,676.000	119,394.000
70.000	119,113.000	118,833.000	118,552.000	118,271.000	117,991.000
75.000	117,711.000	117,431.000	117,151.000	116,871.000	116,592.000
80.000	116,313.000	116,033.000	115,755.000	115,476.000	115,197.000
85.000	114,919.000	114,641.000	114,363.000	114,085.000	113,808.000
90.000	113,531.000	113,253.000	112,976.000	112,699.000	112,423.000
95.000	112,146.000	111,870.000	111,594.000	111,318.000	111,043.000
100.000	110,767.000	110,492.000	110,217.000	109,942.000	109,667.000
105.000	109,392.000	109,118.000	108,844.000	108,570.000	108,296.000
110.000	108,023.000	107,749.000	107,476.000	107,203.000	106,931.000
115.000	106,658.000	106,385.000	106,113.000	105,841.000	105,569.000
120.000	105,297.000	105,026.000	104,755.000	104,484.000	104,213.000
125.000	103,942.000	103,672.000	103,401.000	103,131.000	102,862.000
130.000	102,592.000	102,322.000	102,053.000	101,784.000	101,515.000
135.000	101,246.000	100,978.000	100,710.000	100,441.000	100,173.000
140.000	99,906.000	99,638.000	99,371.000	99,104.000	98,837.000
145.000	98,570.000	98,303.000	98,037.000	97,771.000	97,505.000
150.000	97,239.000	96,974.000	96,709.000	96,444.000	96,179.000
155.000	95,914.000	95,650.000	95,385.000	95,121.000	94,857.000
160.000	94,594.000	94,330.000	94,067.000	93,804.000	93,541.000
165.000	93,278.000	93,016.000	92,754.000	92,492.000	92,230.000
170.000	91,968.000	91,707.000	91,445.000	91,184.000	90,924.000
175.000	90,663.000	90,403.000	90,142.000	89,883.000	89,623.000
180.000	89,363.000	89,104.000	88,845.000	88,586.000	88,327.000
185.000	88,068.000	87,811.000	87,552.000	87,294.000	87,037.000
190.000	86,779.000	86,522.000	86,265.000	86,008.000	85,752.000
195.000	85,495.000	85,239.000	84,983.000	84,727.000	84,472.000
200.000	84,216.000	83,962.000	83,706.000	83,452.000	83,197.000
205.000	82,943.000	82,689.000	82,435.000	82,182.000	81,928.000

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
210.000	81,675.000	81,422.000	81,170.000	80,917.000	80,664.000
215.000	80,413.000	80,161.000	79,909.000	79,658.000	79,407.000
220.000	79,156.000	78,905.000	78,654.000	78,404.000	78,154.000
225.000	77,904.000	77,654.000	77,405.000	77,156.000	76,907.000
230.000	76,658.000	76,410.000	76,161.000	75,913.000	75,665.000
235.000	75,418.000	75,170.000	74,923.000	74,676.000	74,429.000
240.000	74,183.000	73,937.000	73,691.000	73,445.000	73,199.000
245.000	72,954.000	72,709.000	72,463.000	72,219.000	71,975.000
250.000	71,730.000	71,486.000	71,242.000	70,999.000	70,755.000
255.000	70,512.000	70,270.000	70,027.000	69,784.000	69,542.000
260.000	69,301.000	69,059.000	68,817.000	68,576.000	68,335.000
265.000	68,094.000	67,854.000	67,614.000	67,373.000	67,133.000
270.000	66,894.000	66,655.000	66,415.000	66,177.000	65,938.000
275.000	65,700.000	65,461.000	65,224.000	64,986.000	64,748.000
280.000	64,511.000	64,274.000	64,038.000	63,801.000	63,565.000
285.000	63,329.000	63,093.000	62,857.000	62,622.000	62,387.000
290.000	62,152.000	61,918.000	61,684.000	61,449.000	61,215.000
295.000	60,982.000	60,749.000	60,515.000	60,283.000	60,050.000
300.000	59,818.000	59,585.000	59,354.000	59,122.000	58,891.000
305.000	58,659.000	58,429.000	58,198.000	57,968.000	57,737.000
310.000	57,508.000	57,278.000	57,048.000	56,820.000	56,591.000
315.000	56,362.000	56,134.000	55,906.000	55,678.000	55,450.000
320.000	55,223.000	54,996.000	54,769.000	54,542.000	54,316.000
325.000	54,090.000	53,864.000	53,638.000	53,413.000	53,188.000
330.000	52,963.000	52,739.000	52,514.000	52,290.000	52,066.000
335.000	51,843.000	51,620.000	51,397.000	51,174.000	50,952.000
340.000	50,729.000	50,507.000	50,286.000	50,064.000	49,843.000
345.000	49,622.000	49,401.000	49,181.000	48,961.000	48,741.000
350.000	48,521.000	48,302.000	48,083.000	47,864.000	47,646.000
355.000	47,428.000	47,210.000	46,992.000	46,774.000	46,557.000
360.000	46,340.000	46,124.000	45,907.000	45,691.000	45,475.000
365.000	45,260.000	45,045.000	44,830.000	44,615.000	44,400.000
370.000	44,186.000	43,972.000	43,759.000	43,546.000	43,332.000
375.000	43,119.000	42,907.000	42,695.000	42,483.000	42,271.000
380.000	42,060.000	41,848.000	41,637.000	41,427.000	41,217.000
385.000	41,007.000	40,797.000	40,588.000	40,378.000	40,169.000
390.000	39,961.000	39,753.000	39,544.000	39,337.000	39,129.000
395.000	38,922.000	38,715.000	38,509.000	38,302.000	38,096.000
400.000	37,890.000	37,685.000	37,480.000	37,275.000	37,070.000
405.000	36,866.000	36,662.000	36,458.000	36,255.000	36,051.000
410.000	35,849.000	35,646.000	35,444.000	35,242.000	35,040.000
415.000	34,839.000	34,638.000	34,437.000	34,237.000	34,036.000

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
420.000	33,836.000	33,637.000	33,438.000	33,239.000	33,040.000
425.000	32,842.000	32,643.000	32,446.000	32,249.000	32,051.000
430.000	31,854.000	31,658.000	31,462.000	31,265.000	31,070.000
435.000	30,875.000	30,679.000	30,485.000	30,291.000	30,096.000
440.000	29,902.000	29,709.000	29,516.000	29,323.000	29,130.000
445.000	28,939.000	28,746.000	28,555.000	28,364.000	28,173.000
450.000	27,982.000	27,792.000	27,602.000	27,412.000	27,222.000
455.000	27,034.000	26,844.000	26,656.000	26,468.000	26,280.000
460.000	26,093.000	25,905.000	25,719.000	25,532.000	25,346.000
465.000	25,160.000	24,974.000	24,789.000	24,604.000	24,420.000
470.000	24,235.000	24,051.000	23,868.000	23,685.000	23,502.000
475.000	23,319.000	23,137.000	22,955.000	22,773.000	22,592.000
480.000	22,411.000	22,230.000	22,051.000	21,870.000	21,691.000
485.000	21,512.000	21,333.000	21,154.000	20,976.000	20,798.000
490.000	20,620.000	20,443.000	20,266.000	20,090.000	19,913.000
495.000	19,737.000	19,562.000	19,386.000	19,212.000	19,038.000
500.000	18,863.000	18,689.000	18,516.000	18,343.000	18,170.000
505.000	17,998.000	17,826.000	17,654.000	17,483.000	17,312.000
510.000	17,141.000	16,971.000	16,801.000	16,631.000	16,462.000
515.000	16,293.000	16,125.000	15,956.000	15,789.000	15,622.000
520.000	15,454.000	15,288.000	15,122.000	14,956.000	14,790.000
525.000	14,625.000	14,460.000	14,295.000	14,131.000	13,968.000
530.000	13,804.000	13,641.000	13,479.000	13,317.000	13,154.000
535.000	12,993.000	12,832.000	12,671.000	12,511.000	12,351.000
540.000	12,191.000	12,032.000	11,874.000	11,715.000	11,557.000
545.000	11,399.000	11,242.000	11,085.000	10,928.000	10,773.000
550.000	10,617.000	10,461.000	10,306.000	10,152.000	9,997.000
555.000	9,844.000	9,691.000	9,537.000	9,385.000	9,233.000
560.000	9,080.000	8,928.000	8,778.000	8,627.000	8,476.000
565.000	8,327.000	8,179.000	8,028.000	7,880.000	7,734.000
570.000	7,584.000	7,437.000	7,292.000	7,144.000	6,998.000
575.000	6,855.000	6,708.000	6,564.000	6,422.000	6,277.000
580.000	6,134.000	5,993.000	5,850.000	5,709.000	5,568.000
585.000	5,427.000	5,289.000	5,149.000	5,010.000	4,873.000
590.000	4,734.000	4,599.000	4,462.000	4,326.000	4,192.000
595.000	4,057.000	3,924.000	3,790.000	3,659.000	3,526.000
600.000	3,396.000	3,265.000	3,135.000	3,006.000	2,878.000
605.000	2,751.000	2,625.000	2,499.000	2,375.000	2,252.000
610.000	2,132.000	2,011.000	1,894.000	1,778.000	1,663.000
615.000	1,552.000	1,441.000	1,333.000	1,227.000	1,123.000
620.000	1,021.000	923.000	828.000	734.000	645.000
625.000	558.000	476.000	399.000	327.000	261.000

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
630.000	203.000	152.000	109.000	74.000	46.000
635.000	26.000	13.000	5.000	1.000	0.000
640.000	0.000	0.000	0.000	0.000	0.000
645.000	0.000	0.000	0.000	0.000	0.000
650.000	0.000	0.000	0.000	0.000	0.000
655.000	0.000	0.000	0.000	0.000	0.000
660.000	0.000	0.000	0.000	0.000	0.000
665.000	0.000	0.000	0.000	0.000	0.000
670.000	0.000	0.000	0.000	0.000	0.000
675.000	0.000	0.000	0.000	0.000	0.000
680.000	0.000	0.000	0.000	0.000	0.000
685.000	0.000	0.000	0.000	0.000	0.000
690.000	0.000	0.000	0.000	0.000	0.000
695.000	0.000	0.000	0.000	0.000	0.000
700.000	0.000	0.000	0.000	0.000	0.000
705.000	0.000	0.000	0.000	0.000	0.000
710.000	0.000	0.000	0.000	0.000	0.000
715.000	0.000	0.000	0.000	0.000	0.000
720.000	0.000	0.000	0.000	0.000	0.000
725.000	0.000	0.000	0.000	0.000	0.000
730.000	0.000	0.000	0.000	0.000	0.000
735.000	0.000	0.000	0.000	0.000	0.000
740.000	0.000	0.000	0.000	0.000	0.000
745.000	0.000	0.000	0.000	0.000	0.000
750.000	0.000	0.000	0.000	0.000	0.000
755.000	0.000	0.000	0.000	0.000	0.000
760.000	0.000	0.000	0.000	0.000	0.000
765.000	0.000	0.000	0.000	0.000	0.000
770.000	0.000	0.000	0.000	0.000	0.000
775.000	0.000	0.000	0.000	0.000	0.000
780.000	0.000	0.000	0.000	0.000	0.000
785.000	0.000	0.000	0.000	0.000	0.000
790.000	0.000	0.000	0.000	0.000	0.000
795.000	0.000	0.000	0.000	0.000	0.000
800.000	0.000	0.000	0.000	0.000	0.000
805.000	0.000	0.000	0.000	0.000	0.000
810.000	0.000	0.000	0.000	0.000	0.000
815.000	0.000	0.000	0.000	0.000	0.000
820.000	0.000	0.000	0.000	0.000	0.000
825.000	0.000	0.000	0.000	0.000	0.000
830.000	0.000	0.000	0.000	0.000	0.000
835.000	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
840.000	0.000	0.000	0.000	0.000	0.000
845.000	0.000	0.000	0.000	0.000	0.000
850.000	0.000	0.000	0.000	0.000	0.000
855.000	0.000	0.000	0.000	0.000	0.000
860.000	0.000	0.000	0.000	0.000	0.000
865.000	0.000	0.000	0.000	0.000	0.000
870.000	0.000	0.000	0.000	0.000	0.000
875.000	0.000	0.000	0.000	0.000	0.000
880.000	0.000	0.000	0.000	0.000	0.000
885.000	0.000	0.000	0.000	0.000	0.000
890.000	0.000	0.000	0.000	0.000	0.000
895.000	0.000	0.000	0.000	0.000	0.000
900.000	0.000	0.000	0.000	0.000	0.000
905.000	0.000	0.000	0.000	0.000	0.000
910.000	0.000	0.000	0.000	0.000	0.000
915.000	0.000	0.000	0.000	0.000	0.000
920.000	0.000	0.000	0.000	0.000	0.000
925.000	0.000	0.000	0.000	0.000	0.000
930.000	0.000	0.000	0.000	0.000	0.000
935.000	0.000	0.000	0.000	0.000	0.000
940.000	0.000	0.000	0.000	0.000	0.000
945.000	0.000	0.000	0.000	0.000	0.000
950.000	0.000	0.000	0.000	0.000	0.000
955.000	0.000	0.000	0.000	0.000	0.000
960.000	0.000	0.000	0.000	0.000	0.000
965.000	0.000	0.000	0.000	0.000	0.000
970.000	0.000	0.000	0.000	0.000	0.000
975.000	0.000	0.000	0.000	0.000	0.000
980.000	0.000	0.000	0.000	0.000	0.000
985.000	0.000	0.000	0.000	0.000	0.000
990.000	0.000	0.000	0.000	0.000	0.000
995.000	0.000	0.000	0.000	0.000	0.000
1,000.000	0.000	0.000	0.000	0.000	0.000
1,005.000	0.000	0.000	0.000	0.000	0.000
1,010.000	0.000	0.000	0.000	0.000	0.000
1,015.000	0.000	0.000	0.000	0.000	0.000
1,020.000	0.000	0.000	0.000	0.000	0.000
1,025.000	0.000	0.000	0.000	0.000	0.000
1,030.000	0.000	0.000	0.000	0.000	0.000
1,035.000	0.000	0.000	0.000	0.000	0.000
1,040.000	0.000	0.000	0.000	0.000	0.000
1,045.000	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
1,050.000	0.000	0.000	0.000	0.000	0.000
1,055.000	0.000	0.000	0.000	0.000	0.000
1,060.000	0.000	0.000	0.000	0.000	0.000
1,065.000	0.000	0.000	0.000	0.000	0.000
1,070.000	0.000	0.000	0.000	0.000	0.000
1,075.000	0.000	0.000	0.000	0.000	0.000
1,080.000	0.000	0.000	0.000	0.000	0.000
1,085.000	0.000	0.000	0.000	0.000	0.000
1,090.000	0.000	0.000	0.000	0.000	0.000
1,095.000	0.000	0.000	0.000	0.000	0.000
1,100.000	0.000	0.000	0.000	0.000	0.000
1,105.000	0.000	0.000	0.000	0.000	0.000
1,110.000	0.000	0.000	0.000	0.000	0.000
1,115.000	0.000	0.000	0.000	0.000	0.000
1,120.000	0.000	0.000	0.000	0.000	0.000
1,125.000	0.000	0.000	0.000	0.000	0.000
1,130.000	0.000	0.000	0.000	0.000	0.000
1,135.000	0.000	0.000	0.000	0.000	0.000
1,140.000	0.000	0.000	0.000	0.000	0.000
1,145.000	0.000	0.000	0.000	0.000	0.000
1,150.000	0.000	0.000	0.000	0.000	0.000
1,155.000	0.000	0.000	0.000	0.000	0.000
1,160.000	0.000	0.000	0.000	0.000	0.000
1,165.000	0.000	0.000	0.000	0.000	0.000
1,170.000	0.000	0.000	0.000	0.000	0.000
1,175.000	0.000	0.000	0.000	0.000	0.000
1,180.000	0.000	0.000	0.000	0.000	0.000
1,185.000	0.000	0.000	0.000	0.000	0.000
1,190.000	0.000	0.000	0.000	0.000	0.000
1,195.000	0.000	0.000	0.000	0.000	0.000
1,200.000	0.000	0.000	0.000	0.000	0.000
1,205.000	0.000	0.000	0.000	0.000	0.000
1,210.000	0.000	0.000	0.000	0.000	0.000
1,215.000	0.000	0.000	0.000	0.000	0.000
1,220.000	0.000	0.000	0.000	0.000	0.000
1,225.000	0.000	0.000	0.000	0.000	0.000
1,230.000	0.000	0.000	0.000	0.000	0.000
1,235.000	0.000	0.000	0.000	0.000	0.000
1,240.000	0.000	0.000	0.000	0.000	0.000
1,245.000	0.000	0.000	0.000	0.000	0.000
1,250.000	0.000	0.000	0.000	0.000	0.000
1,255.000	0.000	0.000	0.000	0.000	0.000

Subsection: Time vs. Volume
Label: POND A
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
1,260.000	0.000	0.000	0.000	0.000	0.000
1,265.000	0.000	0.000	0.000	0.000	0.000
1,270.000	0.000	0.000	0.000	0.000	0.000
1,275.000	0.000	0.000	0.000	0.000	0.000
1,280.000	0.000	0.000	0.000	0.000	0.000
1,285.000	0.000	0.000	0.000	0.000	0.000
1,290.000	0.000	0.000	0.000	0.000	0.000
1,295.000	0.000	0.000	0.000	0.000	0.000
1,300.000	0.000	0.000	0.000	0.000	0.000
1,305.000	0.000	0.000	0.000	0.000	0.000
1,310.000	0.000	0.000	0.000	0.000	0.000
1,315.000	0.000	0.000	0.000	0.000	0.000
1,320.000	0.000	0.000	0.000	0.000	0.000
1,325.000	0.000	0.000	0.000	0.000	0.000
1,330.000	0.000	0.000	0.000	0.000	0.000
1,335.000	0.000	0.000	0.000	0.000	0.000
1,340.000	0.000	0.000	0.000	0.000	0.000
1,345.000	0.000	0.000	0.000	0.000	0.000
1,350.000	0.000	0.000	0.000	0.000	0.000
1,355.000	0.000	0.000	0.000	0.000	0.000
1,360.000	0.000	0.000	0.000	0.000	0.000
1,365.000	0.000	0.000	0.000	0.000	0.000
1,370.000	0.000	0.000	0.000	0.000	0.000
1,375.000	0.000	0.000	0.000	0.000	0.000
1,380.000	0.000	0.000	0.000	0.000	0.000
1,385.000	0.000	0.000	0.000	0.000	0.000
1,390.000	0.000	0.000	0.000	0.000	0.000
1,395.000	0.000	0.000	0.000	0.000	0.000
1,400.000	0.000	0.000	0.000	0.000	0.000
1,405.000	0.000	0.000	0.000	0.000	0.000
1,410.000	0.000	0.000	0.000	0.000	0.000
1,415.000	0.000	0.000	0.000	0.000	0.000
1,420.000	0.000	0.000	0.000	0.000	0.000
1,425.000	0.000	0.000	0.000	0.000	0.000
1,430.000	0.000	0.000	0.000	0.000	0.000
1,435.000	0.000	0.000	0.000	0.000	0.000
1,440.000	0.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
0.000	0.000	42.000	167.000	376.000	668.000
5.000	1,043.000	1,501.000	2,040.000	2,661.000	3,362.000
10.000	4,142.000	4,999.000	5,933.000	6,941.000	8,023.000
15.000	9,176.000	10,401.000	11,701.000	13,081.000	14,500.000
20.000	15,915.000	17,327.000	18,735.000	20,139.000	21,541.000
25.000	22,939.000	24,333.000	25,725.000	27,114.000	28,500.000
30.000	29,883.000	31,263.000	32,641.000	34,016.000	35,388.000
35.000	36,758.000	38,125.000	39,490.000	40,852.000	42,212.000
40.000	43,570.000	44,925.000	46,278.000	47,629.000	48,978.000
45.000	50,325.000	51,669.000	53,011.000	54,352.000	55,690.000
50.000	56,985.000	58,194.000	59,318.000	60,357.000	61,310.000
55.000	62,179.000	62,964.000	63,663.000	64,279.000	64,810.000
60.000	65,256.000	65,619.000	65,897.000	66,092.000	66,203.000
65.000	66,230.000	66,174.000	66,034.000	65,853.000	65,672.000
70.000	65,491.000	65,311.000	65,131.000	64,951.000	64,771.000
75.000	64,592.000	64,412.000	64,234.000	64,055.000	63,876.000
80.000	63,698.000	63,520.000	63,342.000	63,165.000	62,988.000
85.000	62,811.000	62,634.000	62,458.000	62,281.000	62,105.000
90.000	61,930.000	61,754.000	61,579.000	61,404.000	61,229.000
95.000	61,055.000	60,881.000	60,707.000	60,533.000	60,359.000
100.000	60,186.000	60,013.000	59,840.000	59,668.000	59,496.000
105.000	59,324.000	59,152.000	58,980.000	58,809.000	58,638.000
110.000	58,467.000	58,297.000	58,127.000	57,957.000	57,787.000
115.000	57,617.000	57,448.000	57,279.000	57,110.000	56,942.000
120.000	56,774.000	56,606.000	56,438.000	56,270.000	56,103.000
125.000	55,936.000	55,769.000	55,603.000	55,436.000	55,270.000
130.000	55,105.000	54,939.000	54,774.000	54,609.000	54,444.000
135.000	54,279.000	54,115.000	53,951.000	53,787.000	53,624.000
140.000	53,460.000	53,297.000	53,135.000	52,972.000	52,810.000
145.000	52,648.000	52,486.000	52,324.000	52,163.000	52,002.000
150.000	51,841.000	51,681.000	51,520.000	51,360.000	51,200.000
155.000	51,041.000	50,882.000	50,722.000	50,564.000	50,405.000
160.000	50,247.000	50,089.000	49,931.000	49,773.000	49,616.000
165.000	49,459.000	49,302.000	49,145.000	48,989.000	48,833.000
170.000	48,677.000	48,522.000	48,366.000	48,211.000	48,056.000
175.000	47,902.000	47,748.000	47,594.000	47,440.000	47,286.000
180.000	47,133.000	46,980.000	46,827.000	46,674.000	46,522.000
185.000	46,370.000	46,218.000	46,066.000	45,915.000	45,764.000
190.000	45,613.000	45,462.000	45,312.000	45,162.000	45,012.000
195.000	44,863.000	44,713.000	44,564.000	44,415.000	44,267.000
200.000	44,118.000	43,970.000	43,822.000	43,675.000	43,527.000
205.000	43,380.000	43,233.000	43,087.000	42,940.000	42,794.000

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
210.000	42,648.000	42,503.000	42,357.000	42,212.000	42,067.000
215.000	41,922.000	41,778.000	41,634.000	41,490.000	41,346.000
220.000	41,203.000	41,060.000	40,917.000	40,774.000	40,632.000
225.000	40,489.000	40,348.000	40,206.000	40,064.000	39,923.000
230.000	39,782.000	39,642.000	39,501.000	39,361.000	39,221.000
235.000	39,081.000	38,942.000	38,803.000	38,664.000	38,525.000
240.000	38,386.000	38,248.000	38,110.000	37,973.000	37,835.000
245.000	37,698.000	37,561.000	37,424.000	37,288.000	37,151.000
250.000	37,015.000	36,880.000	36,744.000	36,609.000	36,474.000
255.000	36,339.000	36,205.000	36,070.000	35,936.000	35,803.000
260.000	35,669.000	35,536.000	35,403.000	35,270.000	35,137.000
265.000	35,005.000	34,873.000	34,741.000	34,610.000	34,479.000
270.000	34,347.000	34,217.000	34,086.000	33,956.000	33,826.000
275.000	33,696.000	33,566.000	33,437.000	33,308.000	33,179.000
280.000	33,051.000	32,922.000	32,794.000	32,666.000	32,539.000
285.000	32,411.000	32,284.000	32,157.000	32,031.000	31,905.000
290.000	31,778.000	31,653.000	31,527.000	31,402.000	31,277.000
295.000	31,152.000	31,027.000	30,903.000	30,779.000	30,655.000
300.000	30,531.000	30,408.000	30,285.000	30,162.000	30,040.000
305.000	29,917.000	29,795.000	29,673.000	29,552.000	29,430.000
310.000	29,309.000	29,188.000	29,068.000	28,947.000	28,827.000
315.000	28,707.000	28,588.000	28,468.000	28,349.000	28,230.000
320.000	28,112.000	27,993.000	27,875.000	27,757.000	27,640.000
325.000	27,522.000	27,405.000	27,288.000	27,172.000	27,055.000
330.000	26,939.000	26,823.000	26,707.000	26,592.000	26,476.000
335.000	26,361.000	26,247.000	26,132.000	26,018.000	25,904.000
340.000	25,790.000	25,676.000	25,563.000	25,450.000	25,337.000
345.000	25,224.000	25,112.000	25,000.000	24,888.000	24,776.000
350.000	24,665.000	24,554.000	24,443.000	24,332.000	24,222.000
355.000	24,112.000	24,002.000	23,892.000	23,783.000	23,674.000
360.000	23,565.000	23,456.000	23,347.000	23,239.000	23,131.000
365.000	23,023.000	22,916.000	22,809.000	22,702.000	22,595.000
370.000	22,488.000	22,382.000	22,276.000	22,170.000	22,065.000
375.000	21,959.000	21,854.000	21,749.000	21,645.000	21,541.000
380.000	21,436.000	21,333.000	21,229.000	21,126.000	21,023.000
385.000	20,920.000	20,817.000	20,715.000	20,612.000	20,511.000
390.000	20,409.000	20,307.000	20,206.000	20,105.000	20,005.000
395.000	19,904.000	19,804.000	19,704.000	19,604.000	19,504.000
400.000	19,405.000	19,306.000	19,207.000	19,109.000	19,010.000
405.000	18,912.000	18,814.000	18,716.000	18,619.000	18,522.000
410.000	18,425.000	18,328.000	18,232.000	18,135.000	18,039.000
415.000	17,944.000	17,848.000	17,753.000	17,658.000	17,563.000

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
420.000	17,468.000	17,374.000	17,280.000	17,186.000	17,092.000
425.000	16,999.000	16,906.000	16,813.000	16,720.000	16,628.000
430.000	16,536.000	16,444.000	16,352.000	16,261.000	16,170.000
435.000	16,079.000	15,988.000	15,898.000	15,807.000	15,717.000
440.000	15,627.000	15,538.000	15,448.000	15,359.000	15,270.000
445.000	15,182.000	15,093.000	15,005.000	14,917.000	14,829.000
450.000	14,741.000	14,654.000	14,567.000	14,480.000	14,393.000
455.000	14,307.000	14,220.000	14,134.000	14,048.000	13,963.000
460.000	13,877.000	13,792.000	13,707.000	13,622.000	13,538.000
465.000	13,453.000	13,369.000	13,285.000	13,202.000	13,118.000
470.000	13,035.000	12,951.000	12,868.000	12,785.000	12,703.000
475.000	12,620.000	12,538.000	12,456.000	12,374.000	12,292.000
480.000	12,210.000	12,129.000	12,048.000	11,966.000	11,885.000
485.000	11,804.000	11,724.000	11,643.000	11,563.000	11,482.000
490.000	11,402.000	11,322.000	11,242.000	11,162.000	11,083.000
495.000	11,004.000	10,925.000	10,846.000	10,767.000	10,689.000
500.000	10,612.000	10,534.000	10,458.000	10,382.000	10,307.000
505.000	10,232.000	10,157.000	10,084.000	10,011.000	9,938.000
510.000	9,867.000	9,796.000	9,725.000	9,656.000	9,587.000
515.000	9,518.000	9,451.000	9,384.000	9,318.000	9,252.000
520.000	9,187.000	9,123.000	9,060.000	8,998.000	8,936.000
525.000	8,875.000	8,814.000	8,754.000	8,695.000	8,636.000
530.000	8,578.000	8,520.000	8,464.000	8,407.000	8,352.000
535.000	8,296.000	8,242.000	8,188.000	8,134.000	8,082.000
540.000	8,029.000	7,977.000	7,926.000	7,875.000	7,825.000
545.000	7,775.000	7,726.000	7,678.000	7,629.000	7,582.000
550.000	7,534.000	7,488.000	7,441.000	7,396.000	7,350.000
555.000	7,305.000	7,261.000	7,217.000	7,173.000	7,130.000
560.000	7,088.000	7,045.000	7,004.000	6,962.000	6,921.000
565.000	6,881.000	6,840.000	6,800.000	6,761.000	6,722.000
570.000	6,683.000	6,645.000	6,607.000	6,569.000	6,532.000
575.000	6,495.000	6,459.000	6,423.000	6,387.000	6,351.000
580.000	6,316.000	6,282.000	6,247.000	6,213.000	6,179.000
585.000	6,146.000	6,113.000	6,080.000	6,047.000	6,015.000
590.000	5,983.000	5,952.000	5,921.000	5,890.000	5,859.000
595.000	5,829.000	5,798.000	5,769.000	5,739.000	5,710.000
600.000	5,681.000	5,652.000	5,623.000	5,595.000	5,567.000
605.000	5,539.000	5,511.000	5,484.000	5,457.000	5,430.000
610.000	5,403.000	5,377.000	5,351.000	5,325.000	5,299.000
615.000	5,273.000	5,248.000	5,223.000	5,198.000	5,173.000
620.000	5,149.000	5,125.000	5,101.000	5,077.000	5,053.000
625.000	5,030.000	5,006.000	4,983.000	4,960.000	4,938.000

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
630.000	4,915.000	4,893.000	4,871.000	4,849.000	4,827.000
635.000	4,805.000	4,784.000	4,763.000	4,742.000	4,721.000
640.000	4,700.000	4,680.000	4,659.000	4,639.000	4,619.000
645.000	4,599.000	4,579.000	4,559.000	4,540.000	4,521.000
650.000	4,501.000	4,482.000	4,464.000	4,445.000	4,426.000
655.000	4,408.000	4,389.000	4,371.000	4,353.000	4,335.000
660.000	4,318.000	4,300.000	4,282.000	4,265.000	4,248.000
665.000	4,231.000	4,214.000	4,197.000	4,180.000	4,164.000
670.000	4,147.000	4,131.000	4,115.000	4,099.000	4,083.000
675.000	4,067.000	4,051.000	4,035.000	4,020.000	4,004.000
680.000	3,989.000	3,974.000	3,958.000	3,943.000	3,929.000
685.000	3,914.000	3,899.000	3,884.000	3,870.000	3,855.000
690.000	3,841.000	3,827.000	3,813.000	3,799.000	3,785.000
695.000	3,771.000	3,757.000	3,743.000	3,730.000	3,716.000
700.000	3,703.000	3,690.000	3,676.000	3,663.000	3,650.000
705.000	3,637.000	3,625.000	3,612.000	3,599.000	3,587.000
710.000	3,574.000	3,562.000	3,549.000	3,537.000	3,525.000
715.000	3,513.000	3,501.000	3,489.000	3,477.000	3,465.000
720.000	3,453.000	3,442.000	3,430.000	3,418.000	3,407.000
725.000	3,395.000	3,384.000	3,373.000	3,362.000	3,351.000
730.000	3,339.000	3,328.000	3,318.000	3,307.000	3,296.000
735.000	3,285.000	3,274.000	3,264.000	3,253.000	3,243.000
740.000	3,232.000	3,222.000	3,212.000	3,201.000	3,191.000
745.000	3,181.000	3,171.000	3,161.000	3,151.000	3,141.000
750.000	3,132.000	3,122.000	3,112.000	3,102.000	3,093.000
755.000	3,083.000	3,074.000	3,065.000	3,055.000	3,046.000
760.000	3,037.000	3,027.000	3,018.000	3,009.000	3,000.000
765.000	2,991.000	2,982.000	2,973.000	2,965.000	2,956.000
770.000	2,947.000	2,939.000	2,930.000	2,921.000	2,913.000
775.000	2,904.000	2,896.000	2,887.000	2,879.000	2,871.000
780.000	2,863.000	2,854.000	2,846.000	2,838.000	2,830.000
785.000	2,822.000	2,814.000	2,806.000	2,798.000	2,790.000
790.000	2,782.000	2,774.000	2,767.000	2,759.000	2,751.000
795.000	2,743.000	2,736.000	2,728.000	2,721.000	2,713.000
800.000	2,706.000	2,698.000	2,691.000	2,684.000	2,676.000
805.000	2,669.000	2,662.000	2,655.000	2,648.000	2,640.000
810.000	2,633.000	2,626.000	2,619.000	2,612.000	2,605.000
815.000	2,599.000	2,592.000	2,585.000	2,578.000	2,571.000
820.000	2,565.000	2,558.000	2,551.000	2,545.000	2,538.000
825.000	2,532.000	2,525.000	2,519.000	2,512.000	2,506.000
830.000	2,499.000	2,493.000	2,487.000	2,480.000	2,474.000
835.000	2,468.000	2,462.000	2,456.000	2,450.000	2,443.000

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
840.000	2,437.000	2,431.000	2,425.000	2,419.000	2,414.000
845.000	2,408.000	2,402.000	2,396.000	2,390.000	2,384.000
850.000	2,379.000	2,373.000	2,367.000	2,362.000	2,356.000
855.000	2,350.000	2,345.000	2,339.000	2,334.000	2,328.000
860.000	2,322.000	2,317.000	2,312.000	2,306.000	2,301.000
865.000	2,295.000	2,290.000	2,285.000	2,279.000	2,274.000
870.000	2,269.000	2,263.000	2,258.000	2,253.000	2,248.000
875.000	2,243.000	2,237.000	2,232.000	2,227.000	2,222.000
880.000	2,217.000	2,212.000	2,207.000	2,202.000	2,197.000
885.000	2,192.000	2,187.000	2,182.000	2,177.000	2,172.000
890.000	2,167.000	2,162.000	2,158.000	2,153.000	2,148.000
895.000	2,143.000	2,139.000	2,134.000	2,129.000	2,124.000
900.000	2,120.000	2,115.000	2,110.000	2,106.000	2,101.000
905.000	2,097.000	2,092.000	2,088.000	2,083.000	2,079.000
910.000	2,074.000	2,070.000	2,065.000	2,061.000	2,056.000
915.000	2,052.000	2,047.000	2,043.000	2,039.000	2,034.000
920.000	2,030.000	2,026.000	2,022.000	2,017.000	2,013.000
925.000	2,009.000	2,005.000	2,001.000	1,996.000	1,992.000
930.000	1,988.000	1,984.000	1,980.000	1,976.000	1,972.000
935.000	1,968.000	1,964.000	1,960.000	1,956.000	1,952.000
940.000	1,948.000	1,944.000	1,940.000	1,936.000	1,932.000
945.000	1,928.000	1,924.000	1,920.000	1,917.000	1,913.000
950.000	1,909.000	1,905.000	1,901.000	1,898.000	1,894.000
955.000	1,890.000	1,886.000	1,883.000	1,879.000	1,875.000
960.000	1,872.000	1,868.000	1,864.000	1,861.000	1,857.000
965.000	1,854.000	1,850.000	1,847.000	1,843.000	1,840.000
970.000	1,836.000	1,833.000	1,829.000	1,826.000	1,822.000
975.000	1,819.000	1,815.000	1,812.000	1,809.000	1,805.000
980.000	1,802.000	1,798.000	1,795.000	1,792.000	1,788.000
985.000	1,785.000	1,782.000	1,779.000	1,775.000	1,772.000
990.000	1,769.000	1,766.000	1,762.000	1,759.000	1,756.000
995.000	1,753.000	1,750.000	1,746.000	1,743.000	1,740.000
1,000.000	1,737.000	1,734.000	1,731.000	1,728.000	1,724.000
1,005.000	1,721.000	1,718.000	1,715.000	1,712.000	1,709.000
1,010.000	1,706.000	1,703.000	1,700.000	1,697.000	1,694.000
1,015.000	1,691.000	1,688.000	1,685.000	1,682.000	1,679.000
1,020.000	1,676.000	1,673.000	1,670.000	1,667.000	1,664.000
1,025.000	1,661.000	1,658.000	1,656.000	1,653.000	1,650.000
1,030.000	1,647.000	1,644.000	1,641.000	1,638.000	1,635.000
1,035.000	1,633.000	1,630.000	1,627.000	1,624.000	1,621.000
1,040.000	1,619.000	1,616.000	1,613.000	1,610.000	1,608.000
1,045.000	1,605.000	1,602.000	1,599.000	1,597.000	1,594.000

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
1,050.000	1,591.000	1,589.000	1,586.000	1,583.000	1,580.000
1,055.000	1,578.000	1,575.000	1,573.000	1,570.000	1,567.000
1,060.000	1,565.000	1,562.000	1,559.000	1,557.000	1,554.000
1,065.000	1,552.000	1,549.000	1,546.000	1,544.000	1,541.000
1,070.000	1,539.000	1,536.000	1,534.000	1,531.000	1,529.000
1,075.000	1,526.000	1,524.000	1,521.000	1,519.000	1,516.000
1,080.000	1,514.000	1,511.000	1,509.000	1,506.000	1,504.000
1,085.000	1,502.000	1,499.000	1,497.000	1,494.000	1,492.000
1,090.000	1,489.000	1,487.000	1,485.000	1,482.000	1,480.000
1,095.000	1,478.000	1,475.000	1,473.000	1,471.000	1,468.000
1,100.000	1,466.000	1,464.000	1,461.000	1,459.000	1,457.000
1,105.000	1,454.000	1,452.000	1,450.000	1,448.000	1,445.000
1,110.000	1,443.000	1,441.000	1,439.000	1,436.000	1,434.000
1,115.000	1,432.000	1,430.000	1,427.000	1,425.000	1,423.000
1,120.000	1,421.000	1,419.000	1,417.000	1,414.000	1,412.000
1,125.000	1,410.000	1,408.000	1,406.000	1,404.000	1,401.000
1,130.000	1,399.000	1,397.000	1,395.000	1,393.000	1,391.000
1,135.000	1,389.000	1,387.000	1,385.000	1,383.000	1,381.000
1,140.000	1,378.000	1,376.000	1,374.000	1,372.000	1,370.000
1,145.000	1,368.000	1,366.000	1,364.000	1,362.000	1,360.000
1,150.000	1,358.000	1,356.000	1,354.000	1,352.000	1,350.000
1,155.000	1,348.000	1,346.000	1,344.000	1,342.000	1,340.000
1,160.000	1,339.000	1,337.000	1,335.000	1,333.000	1,331.000
1,165.000	1,329.000	1,327.000	1,325.000	1,323.000	1,321.000
1,170.000	1,319.000	1,318.000	1,316.000	1,314.000	1,312.000
1,175.000	1,310.000	1,308.000	1,306.000	1,305.000	1,303.000
1,180.000	1,301.000	1,299.000	1,297.000	1,296.000	1,294.000
1,185.000	1,292.000	1,290.000	1,288.000	1,287.000	1,285.000
1,190.000	1,283.000	1,281.000	1,279.000	1,278.000	1,276.000
1,195.000	1,274.000	1,273.000	1,271.000	1,269.000	1,267.000
1,200.000	1,266.000	1,264.000	1,262.000	1,260.000	1,259.000
1,205.000	1,257.000	1,255.000	1,254.000	1,252.000	1,250.000
1,210.000	1,249.000	1,247.000	1,245.000	1,244.000	1,242.000
1,215.000	1,240.000	1,239.000	1,237.000	1,236.000	1,234.000
1,220.000	1,232.000	1,231.000	1,229.000	1,227.000	1,226.000
1,225.000	1,224.000	1,223.000	1,221.000	1,220.000	1,218.000
1,230.000	1,216.000	1,215.000	1,213.000	1,212.000	1,210.000
1,235.000	1,209.000	1,207.000	1,206.000	1,204.000	1,202.000
1,240.000	1,201.000	1,199.000	1,198.000	1,196.000	1,195.000
1,245.000	1,193.000	1,192.000	1,190.000	1,189.000	1,187.000
1,250.000	1,186.000	1,185.000	1,183.000	1,182.000	1,180.000
1,255.000	1,179.000	1,177.000	1,176.000	1,174.000	1,173.000

Subsection: Time vs. Volume
Label: POND UG
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Time vs. Volume (ft³)

Output Time increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)	Volume (ft ³)
1,260.000	1,171.000	1,170.000	1,168.000	1,167.000	1,166.000
1,265.000	1,164.000	1,163.000	1,161.000	1,160.000	1,158.000
1,270.000	1,157.000	1,156.000	1,154.000	1,153.000	1,151.000
1,275.000	1,150.000	1,148.000	1,147.000	1,146.000	1,144.000
1,280.000	1,143.000	1,141.000	1,140.000	1,139.000	1,137.000
1,285.000	1,136.000	1,135.000	1,133.000	1,132.000	1,130.000
1,290.000	1,129.000	1,128.000	1,126.000	1,125.000	1,124.000
1,295.000	1,122.000	1,121.000	1,119.000	1,118.000	1,117.000
1,300.000	1,115.000	1,114.000	1,113.000	1,111.000	1,110.000
1,305.000	1,109.000	1,107.000	1,106.000	1,105.000	1,103.000
1,310.000	1,102.000	1,101.000	1,099.000	1,098.000	1,097.000
1,315.000	1,095.000	1,094.000	1,093.000	1,092.000	1,090.000
1,320.000	1,089.000	1,088.000	1,086.000	1,085.000	1,084.000
1,325.000	1,082.000	1,081.000	1,080.000	1,079.000	1,077.000
1,330.000	1,076.000	1,075.000	1,074.000	1,072.000	1,071.000
1,335.000	1,070.000	1,069.000	1,067.000	1,066.000	1,065.000
1,340.000	1,063.000	1,062.000	1,061.000	1,060.000	1,059.000
1,345.000	1,057.000	1,056.000	1,055.000	1,054.000	1,052.000
1,350.000	1,051.000	1,050.000	1,049.000	1,047.000	1,046.000
1,355.000	1,045.000	1,044.000	1,043.000	1,041.000	1,040.000
1,360.000	1,039.000	1,038.000	1,037.000	1,035.000	1,034.000
1,365.000	1,033.000	1,032.000	1,031.000	1,029.000	1,028.000
1,370.000	1,027.000	1,026.000	1,025.000	1,024.000	1,022.000
1,375.000	1,021.000	1,020.000	1,019.000	1,018.000	1,016.000
1,380.000	1,015.000	1,014.000	1,013.000	1,012.000	1,011.000
1,385.000	1,010.000	1,008.000	1,007.000	1,006.000	1,005.000
1,390.000	1,004.000	1,003.000	1,002.000	1,000.000	999.000
1,395.000	998.000	997.000	996.000	995.000	994.000
1,400.000	993.000	991.000	990.000	989.000	988.000
1,405.000	987.000	986.000	985.000	984.000	983.000
1,410.000	982.000	980.000	979.000	978.000	977.000
1,415.000	976.000	975.000	974.000	973.000	972.000
1,420.000	971.000	970.000	969.000	967.000	966.000
1,425.000	965.000	964.000	963.000	962.000	961.000
1,430.000	960.000	959.000	958.000	957.000	956.000
1,435.000	955.000	954.000	953.000	952.000	951.000
1,440.000	950.000	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: POND A

Storm Event: Weslaco IDF - 50 Year

Scenario: PR - 50-YR

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)	Volume (Total) (ft ³)
58.52	0.0	0.000	0.000	0.000	0.000
59.00	0.0	412.480	412.480	66.000	66.000
60.00	0.0	4,203.320	5,932.533	1,978.000	2,044.000
61.00	0.0	10,120.570	20,846.159	6,949.000	8,992.000
62.00	0.0	11,871.420	32,953.082	10,984.000	19,977.000
63.00	0.0	13,486.090	38,010.535	12,670.000	32,647.000
64.00	0.0	15,156.950	42,940.172	14,313.000	46,960.000
65.00	0.0	16,884.020	48,038.165	16,013.000	62,973.000
66.00	0.0	18,667.280	53,304.574	17,768.000	80,741.000
67.00	0.0	20,506.750	58,739.439	19,580.000	100,321.000
68.00	0.0	22,402.410	64,342.793	21,448.000	121,768.000
68.20	0.0	22,402.410	67,207.230	4,480.000	126,249.000

Subsection: Elevation-Area Volume Curve

Return Event: 50 years

Label: POND UG

Storm Event: Weslaco IDF - 50 Year

Scenario: PR - 50-YR

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ft ³)	Volume (Total) (ft ³)
60.04	0.0	11,898.482	0.000	0.000	0.000
60.54	0.0	11,898.482	35,695.446	5,949.000	5,949.000
61.04	0.0	11,898.482	35,695.446	5,949.000	11,898.000
61.54	0.0	11,898.482	35,695.446	5,949.000	17,848.000
62.04	0.0	11,898.482	35,695.446	5,949.000	23,797.000
62.54	0.0	11,898.482	35,695.446	5,949.000	29,746.000
63.04	0.0	11,898.482	35,695.446	5,949.000	35,695.000
63.54	0.0	11,898.482	35,695.446	5,949.000	41,645.000
64.04	0.0	11,898.482	35,695.446	5,949.000	47,594.000
64.54	0.0	11,898.482	35,695.446	5,949.000	53,543.000
65.04	0.0	11,898.482	35,695.446	5,949.000	59,492.000
65.54	0.0	11,898.482	35,695.446	5,949.000	65,442.000
65.71	0.0	11,898.482	35,695.446	1,987.000	67,429.000

Subsection: Outlet Input Data
Label: A - OUTLET STRUCTURE
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Requested Pond Water Surface Elevations

Minimum (Headwater)	58.52 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	68.20 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Culvert-Circular	A - 12" PIPE	Forward	TW	58.52	68.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: A - OUTLET STRUCTURE
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Structure ID: A - 8" PIPE	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	8.0 in
Length	71.19 ft
Length (Computed Barrel)	71.20 ft
Slope (Computed)	0.014 ft/ft
Outlet Control Data	
Manning's n	0.010
Ke	0.200
Kb	0.032
Kr	0.000
Convergence Tolerance	0.00 ft
Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	0.000
T2 ratio (HW/D)	1.190
Slope Correction Factor	-0.500

Use unsubmerged inlet control 0 equation below T1 elevation.

Use submerged inlet control 0 equation above T2 elevation

In transition zone between unsubmerged and submerged inlet control, interpolate between flows at T1 & T2...

T1 Elevation	58.52 ft	T1 Flow	1.00 ft ³ /s
T2 Elevation	59.31 ft	T2 Flow	1.14 ft ³ /s

Subsection: Outlet Input Data
Label: A - OUTLET STRUCTURE
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Subsection: Outlet Input Data
Label: UG - OUTLET STRUCTURE
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Requested Pond Water Surface Elevations

Minimum (Headwater)	60.04 ft
Increment (Headwater)	0.05 ft
Maximum (Headwater)	65.71 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Culvert-Circular	UG - 8" PIPE	Forward	TW	60.04	65.71
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
Label: UG - OUTLET STRUCTURE
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Structure ID: UG - 8" PIPE	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	8.0 in
Length	112.08 ft
Length (Computed Barrel)	112.08 ft
Slope (Computed)	0.006 ft/ft
Outlet Control Data	
Manning's n	0.010
Ke	0.200
Kb	0.032
Kr	0.000
Convergence Tolerance	0.00 ft
Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	1.092
T2 ratio (HW/D)	1.194
Slope Correction Factor	-0.500

Use unsubmerged inlet control 0 equation below T1 elevation.

Use submerged inlet control 0 equation above T2 elevation

In transition zone between unsubmerged and submerged inlet control, interpolate between flows at T1 & T2...

T1 Elevation	60.77 ft	T1 Flow	1.00 ft ³ /s
T2 Elevation	60.84 ft	T2 Flow	1.14 ft ³ /s

Subsection: Outlet Input Data
Label: UG - OUTLET STRUCTURE
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Subsection: Pond Routed Hydrograph (total out)
Label: POND A (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

Peak Discharge	4.70 ft ³ /s
Time to Peak	64.000 min
Hydrograph Volume	134,467.535 ft ³

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
0.000	0.00	0.48	1.02	1.41	1.67
5.000	1.87	2.05	2.16	2.25	2.33
10.000	2.41	2.49	2.56	2.64	2.71
15.000	2.79	2.87	2.95	3.03	3.11
20.000	3.18	3.25	3.32	3.38	3.44
25.000	3.50	3.56	3.61	3.67	3.72
30.000	3.77	3.81	3.86	3.90	3.95
35.000	3.99	4.03	4.07	4.11	4.15
40.000	4.19	4.23	4.26	4.30	4.33
45.000	4.36	4.40	4.43	4.46	4.49
50.000	4.52	4.54	4.57	4.59	4.61
55.000	4.63	4.64	4.65	4.67	4.68
60.000	4.68	4.69	4.69	4.70	4.70
65.000	4.70	4.70	4.69	4.69	4.69
70.000	4.68	4.68	4.68	4.67	4.67
75.000	4.67	4.66	4.66	4.66	4.66
80.000	4.65	4.65	4.65	4.64	4.64
85.000	4.64	4.63	4.63	4.63	4.62
90.000	4.62	4.62	4.62	4.61	4.61
95.000	4.61	4.60	4.60	4.60	4.59
100.000	4.59	4.59	4.58	4.58	4.58
105.000	4.57	4.57	4.57	4.56	4.56
110.000	4.56	4.55	4.55	4.55	4.55
115.000	4.54	4.54	4.54	4.53	4.53
120.000	4.53	4.52	4.52	4.52	4.51
125.000	4.51	4.51	4.50	4.50	4.50
130.000	4.49	4.49	4.49	4.48	4.48
135.000	4.48	4.47	4.47	4.47	4.46
140.000	4.46	4.46	4.45	4.45	4.45
145.000	4.44	4.44	4.44	4.43	4.43
150.000	4.43	4.42	4.42	4.42	4.41
155.000	4.41	4.41	4.40	4.40	4.40
160.000	4.39	4.39	4.39	4.38	4.38
165.000	4.38	4.37	4.37	4.37	4.36
170.000	4.36	4.36	4.35	4.35	4.35
175.000	4.34	4.34	4.33	4.33	4.33
180.000	4.32	4.32	4.32	4.31	4.31
185.000	4.31	4.30	4.30	4.30	4.29
190.000	4.29	4.29	4.28	4.28	4.27

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: POND A (OUT)

Storm Event: Weslaco IDF - 50 Year

Scenario: PR - 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 1.000 min

Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
195.000	4.27	4.27	4.26	4.26	4.26
200.000	4.25	4.25	4.25	4.24	4.24
205.000	4.24	4.23	4.23	4.22	4.22
210.000	4.22	4.21	4.21	4.21	4.20
215.000	4.20	4.20	4.19	4.19	4.18
220.000	4.18	4.18	4.17	4.17	4.17
225.000	4.16	4.16	4.16	4.15	4.15
230.000	4.14	4.14	4.14	4.13	4.13
235.000	4.13	4.12	4.12	4.11	4.11
240.000	4.11	4.10	4.10	4.10	4.09
245.000	4.09	4.08	4.08	4.08	4.07
250.000	4.07	4.06	4.06	4.06	4.05
255.000	4.05	4.05	4.04	4.04	4.03
260.000	4.03	4.03	4.02	4.02	4.01
265.000	4.01	4.01	4.00	4.00	4.00
270.000	3.99	3.99	3.98	3.98	3.98
275.000	3.97	3.97	3.96	3.96	3.96
280.000	3.95	3.95	3.94	3.94	3.94
285.000	3.93	3.93	3.92	3.92	3.92
290.000	3.91	3.91	3.90	3.90	3.90
295.000	3.89	3.89	3.88	3.88	3.87
300.000	3.87	3.87	3.86	3.86	3.85
305.000	3.85	3.85	3.84	3.84	3.83
310.000	3.83	3.83	3.82	3.82	3.81
315.000	3.81	3.80	3.80	3.80	3.79
320.000	3.79	3.78	3.78	3.77	3.77
325.000	3.77	3.76	3.76	3.75	3.75
330.000	3.74	3.74	3.74	3.73	3.73
335.000	3.72	3.72	3.71	3.71	3.71
340.000	3.70	3.70	3.69	3.69	3.68
345.000	3.68	3.68	3.67	3.67	3.66
350.000	3.66	3.65	3.65	3.64	3.64
355.000	3.64	3.63	3.63	3.62	3.62
360.000	3.61	3.61	3.60	3.60	3.59
365.000	3.59	3.59	3.58	3.58	3.57
370.000	3.57	3.56	3.56	3.55	3.55
375.000	3.54	3.54	3.54	3.53	3.53
380.000	3.52	3.52	3.51	3.51	3.50
385.000	3.50	3.49	3.49	3.48	3.48
390.000	3.47	3.47	3.47	3.46	3.46
395.000	3.45	3.45	3.44	3.44	3.43
400.000	3.43	3.42	3.42	3.41	3.41
405.000	3.40	3.40	3.39	3.39	3.38

Subsection: Pond Routed Hydrograph (total out)
Label: POND A (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
410.000	3.38	3.37	3.37	3.36	3.36
415.000	3.35	3.35	3.34	3.34	3.33
420.000	3.33	3.32	3.32	3.31	3.31
425.000	3.30	3.30	3.29	3.29	3.28
430.000	3.28	3.27	3.27	3.26	3.26
435.000	3.25	3.25	3.24	3.24	3.23
440.000	3.23	3.22	3.22	3.21	3.21
445.000	3.20	3.20	3.19	3.19	3.18
450.000	3.17	3.17	3.16	3.16	3.15
455.000	3.15	3.14	3.14	3.13	3.13
460.000	3.12	3.12	3.11	3.11	3.10
465.000	3.10	3.09	3.08	3.08	3.07
470.000	3.07	3.06	3.06	3.05	3.05
475.000	3.04	3.03	3.03	3.02	3.02
480.000	3.01	3.01	3.00	3.00	2.99
485.000	2.98	2.98	2.97	2.97	2.96
490.000	2.96	2.95	2.95	2.94	2.93
495.000	2.93	2.92	2.92	2.91	2.91
500.000	2.90	2.89	2.89	2.88	2.88
505.000	2.87	2.86	2.86	2.85	2.85
510.000	2.84	2.84	2.83	2.82	2.82
515.000	2.81	2.80	2.80	2.79	2.79
520.000	2.78	2.77	2.77	2.76	2.76
525.000	2.75	2.74	2.74	2.73	2.73
530.000	2.72	2.71	2.71	2.70	2.69
535.000	2.69	2.68	2.68	2.67	2.66
540.000	2.66	2.65	2.64	2.64	2.63
545.000	2.62	2.62	2.61	2.61	2.60
550.000	2.59	2.59	2.58	2.57	2.57
555.000	2.56	2.55	2.55	2.54	2.53
560.000	2.53	2.52	2.51	2.51	2.50
565.000	2.49	2.49	2.48	2.47	2.46
570.000	2.46	2.45	2.44	2.43	2.43
575.000	2.42	2.41	2.40	2.39	2.39
580.000	2.38	2.37	2.36	2.35	2.34
585.000	2.33	2.32	2.31	2.30	2.30
590.000	2.29	2.28	2.26	2.25	2.24
595.000	2.23	2.22	2.21	2.20	2.19
600.000	2.18	2.17	2.15	2.14	2.13
605.000	2.12	2.10	2.08	2.06	2.03
610.000	2.00	1.98	1.95	1.92	1.89
615.000	1.86	1.82	1.79	1.75	1.71
620.000	1.67	1.62	1.57	1.52	1.46

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: POND A (OUT)

Storm Event: Weslaco IDF - 50 Year

Scenario: PR - 50-YR

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 1.000 min

Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
625.000	1.40	1.33	1.26	1.15	1.03
630.000	0.91	0.78	0.65	0.52	0.40
635.000	0.28	0.18	0.09	0.03	0.00

Subsection: Pond Inflow Summary

Label: POND A (IN)

Scenario: PR - 50-YR

Return Event: 50 years

Storm Event: Weslaco IDF - 50 Year

Summary for Hydrograph Addition at 'POND A'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	BASIN A

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (min)	Flow (Peak) (ft ³ /s)
Flow (From)	BASIN A	134,467.535	18.000	46.69
Flow (In)	POND A	134,467.535	18.000	46.69

Subsection: Pond Routed Hydrograph (total out)

Return Event: 50 years

Label: POND UG (OUT)

Storm Event: Weslaco IDF - 50 Year

Scenario: PR - 50-YR

Peak Discharge	3.03 ft ³ /s
Time to Peak	65.000 min
Hydrograph Volume	72,738.838 ft ³

HYDROGRAPH ORDINATES (ft³/s)

Output Time Increment = 1.000 min

Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
1.000	0.00	0.00	0.00	0.01	0.02
6.000	0.04	0.07	0.12	0.19	0.27
11.000	0.39	0.52	0.68	0.87	1.07
16.000	1.26	1.34	1.39	1.45	1.51
21.000	1.57	1.63	1.68	1.74	1.79
26.000	1.84	1.89	1.94	1.99	2.04
31.000	2.08	2.13	2.17	2.21	2.26
36.000	2.30	2.34	2.38	2.42	2.46
41.000	2.49	2.53	2.57	2.60	2.64
46.000	2.67	2.71	2.74	2.78	2.81
51.000	2.84	2.86	2.89	2.91	2.93
56.000	2.95	2.97	2.98	2.99	3.00
61.000	3.01	3.02	3.02	3.03	3.03
66.000	3.03	3.02	3.02	3.01	3.01
71.000	3.01	3.00	3.00	2.99	2.99
76.000	2.98	2.98	2.98	2.97	2.97
81.000	2.96	2.96	2.96	2.95	2.95
86.000	2.94	2.94	2.93	2.93	2.93
91.000	2.92	2.92	2.91	2.91	2.91
96.000	2.90	2.90	2.89	2.89	2.89
101.000	2.88	2.88	2.87	2.87	2.86
106.000	2.86	2.86	2.85	2.85	2.84
111.000	2.84	2.84	2.83	2.83	2.82
116.000	2.82	2.81	2.81	2.81	2.80
121.000	2.80	2.79	2.79	2.79	2.78
126.000	2.78	2.77	2.77	2.76	2.76
131.000	2.76	2.75	2.75	2.74	2.74
136.000	2.74	2.73	2.73	2.72	2.72
141.000	2.72	2.71	2.71	2.70	2.70
146.000	2.69	2.69	2.69	2.68	2.68
151.000	2.67	2.67	2.67	2.66	2.66
156.000	2.65	2.65	2.65	2.64	2.64
161.000	2.63	2.63	2.62	2.62	2.62
166.000	2.61	2.61	2.60	2.60	2.60
171.000	2.59	2.59	2.58	2.58	2.57
176.000	2.57	2.57	2.56	2.56	2.55
181.000	2.55	2.55	2.54	2.54	2.53
186.000	2.53	2.52	2.52	2.52	2.51
191.000	2.51	2.50	2.50	2.50	2.49

Subsection: Pond Routed Hydrograph (total out)
Label: POND UG (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
196.000	2.49	2.48	2.48	2.47	2.47
201.000	2.47	2.46	2.46	2.45	2.45
206.000	2.45	2.44	2.44	2.43	2.43
211.000	2.43	2.42	2.42	2.41	2.41
216.000	2.40	2.40	2.40	2.39	2.39
221.000	2.38	2.38	2.38	2.37	2.37
226.000	2.36	2.36	2.36	2.35	2.35
231.000	2.34	2.34	2.33	2.33	2.33
236.000	2.32	2.32	2.31	2.31	2.31
241.000	2.30	2.30	2.29	2.29	2.29
246.000	2.28	2.28	2.27	2.27	2.26
251.000	2.26	2.26	2.25	2.25	2.24
256.000	2.24	2.24	2.23	2.23	2.22
261.000	2.22	2.22	2.21	2.21	2.20
266.000	2.20	2.19	2.19	2.19	2.18
271.000	2.18	2.17	2.17	2.17	2.16
276.000	2.16	2.15	2.15	2.14	2.14
281.000	2.14	2.13	2.13	2.12	2.12
286.000	2.12	2.11	2.11	2.10	2.10
291.000	2.10	2.09	2.09	2.08	2.08
296.000	2.07	2.07	2.07	2.06	2.06
301.000	2.05	2.05	2.05	2.04	2.04
306.000	2.03	2.03	2.02	2.02	2.02
311.000	2.01	2.01	2.00	2.00	2.00
316.000	1.99	1.99	1.98	1.98	1.98
321.000	1.97	1.97	1.96	1.96	1.95
326.000	1.95	1.95	1.94	1.94	1.93
331.000	1.93	1.93	1.92	1.92	1.92
336.000	1.91	1.91	1.90	1.90	1.89
341.000	1.89	1.89	1.88	1.88	1.87
346.000	1.87	1.87	1.86	1.86	1.85
351.000	1.85	1.85	1.84	1.84	1.83
356.000	1.83	1.83	1.82	1.82	1.81
361.000	1.81	1.81	1.80	1.80	1.79
366.000	1.79	1.79	1.78	1.78	1.77
371.000	1.77	1.77	1.76	1.76	1.75
376.000	1.75	1.75	1.74	1.74	1.73
381.000	1.73	1.72	1.72	1.72	1.71
386.000	1.71	1.70	1.70	1.70	1.69
391.000	1.69	1.68	1.68	1.68	1.67
396.000	1.67	1.67	1.66	1.66	1.65
401.000	1.65	1.65	1.64	1.64	1.63
406.000	1.63	1.63	1.62	1.62	1.61

Subsection: Pond Routed Hydrograph (total out)
Label: POND UG (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
411.000	1.61	1.61	1.60	1.60	1.59
416.000	1.59	1.59	1.58	1.58	1.57
421.000	1.57	1.57	1.56	1.56	1.55
426.000	1.55	1.55	1.54	1.54	1.53
431.000	1.53	1.53	1.52	1.52	1.51
436.000	1.51	1.51	1.50	1.50	1.50
441.000	1.49	1.49	1.48	1.48	1.48
446.000	1.47	1.47	1.47	1.46	1.46
451.000	1.45	1.45	1.45	1.44	1.44
456.000	1.44	1.43	1.43	1.43	1.42
461.000	1.42	1.41	1.41	1.41	1.40
466.000	1.40	1.40	1.39	1.39	1.39
471.000	1.39	1.38	1.38	1.38	1.37
476.000	1.37	1.37	1.36	1.36	1.36
481.000	1.36	1.35	1.35	1.35	1.35
486.000	1.34	1.34	1.34	1.34	1.34
491.000	1.33	1.33	1.33	1.32	1.32
496.000	1.31	1.31	1.31	1.30	1.29
501.000	1.28	1.27	1.26	1.25	1.24
506.000	1.23	1.22	1.21	1.20	1.19
511.000	1.18	1.17	1.16	1.14	1.13
516.000	1.12	1.11	1.10	1.08	1.07
521.000	1.06	1.05	1.04	1.03	1.01
526.000	1.00	0.99	0.98	0.97	0.96
531.000	0.95	0.94	0.93	0.92	0.91
536.000	0.90	0.90	0.89	0.88	0.87
541.000	0.86	0.85	0.84	0.83	0.82
546.000	0.82	0.81	0.80	0.79	0.78
551.000	0.78	0.77	0.76	0.75	0.74
556.000	0.74	0.73	0.72	0.71	0.71
561.000	0.70	0.69	0.69	0.68	0.67
566.000	0.67	0.66	0.65	0.65	0.64
571.000	0.64	0.63	0.62	0.62	0.61
576.000	0.61	0.60	0.59	0.59	0.58
581.000	0.58	0.57	0.57	0.56	0.55
586.000	0.55	0.54	0.54	0.53	0.53
591.000	0.52	0.52	0.51	0.51	0.50
596.000	0.50	0.50	0.49	0.49	0.48
601.000	0.48	0.47	0.47	0.47	0.46
606.000	0.46	0.45	0.45	0.45	0.44
611.000	0.44	0.43	0.43	0.43	0.42
616.000	0.42	0.42	0.41	0.41	0.41
621.000	0.40	0.40	0.40	0.39	0.39

Subsection: Pond Routed Hydrograph (total out)
Label: POND UG (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
626.000	0.39	0.38	0.38	0.38	0.37
631.000	0.37	0.37	0.36	0.36	0.36
636.000	0.36	0.35	0.35	0.35	0.34
641.000	0.34	0.34	0.34	0.33	0.33
646.000	0.33	0.33	0.32	0.32	0.32
651.000	0.32	0.31	0.31	0.31	0.31
656.000	0.30	0.30	0.30	0.30	0.29
661.000	0.29	0.29	0.29	0.29	0.28
666.000	0.28	0.28	0.28	0.28	0.27
671.000	0.27	0.27	0.27	0.27	0.26
676.000	0.26	0.26	0.26	0.26	0.26
681.000	0.25	0.25	0.25	0.25	0.25
686.000	0.24	0.24	0.24	0.24	0.24
691.000	0.24	0.23	0.23	0.23	0.23
696.000	0.23	0.23	0.23	0.22	0.22
701.000	0.22	0.22	0.22	0.22	0.21
706.000	0.21	0.21	0.21	0.21	0.21
711.000	0.21	0.20	0.20	0.20	0.20
716.000	0.20	0.20	0.20	0.20	0.20
721.000	0.19	0.19	0.19	0.19	0.19
726.000	0.19	0.19	0.19	0.19	0.18
731.000	0.18	0.18	0.18	0.18	0.18
736.000	0.18	0.18	0.18	0.17	0.17
741.000	0.17	0.17	0.17	0.17	0.17
746.000	0.17	0.17	0.17	0.16	0.16
751.000	0.16	0.16	0.16	0.16	0.16
756.000	0.16	0.16	0.16	0.15	0.15
761.000	0.15	0.15	0.15	0.15	0.15
766.000	0.15	0.15	0.15	0.15	0.14
771.000	0.14	0.14	0.14	0.14	0.14
776.000	0.14	0.14	0.14	0.14	0.14
781.000	0.14	0.14	0.14	0.13	0.13
786.000	0.13	0.13	0.13	0.13	0.13
791.000	0.13	0.13	0.13	0.13	0.13
796.000	0.13	0.13	0.13	0.12	0.12
801.000	0.12	0.12	0.12	0.12	0.12
806.000	0.12	0.12	0.12	0.12	0.12
811.000	0.12	0.12	0.12	0.12	0.11
816.000	0.11	0.11	0.11	0.11	0.11
821.000	0.11	0.11	0.11	0.11	0.11
826.000	0.11	0.11	0.11	0.11	0.11
831.000	0.11	0.10	0.10	0.10	0.10
836.000	0.10	0.10	0.10	0.10	0.10

Subsection: Pond Routed Hydrograph (total out)
Label: POND UG (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
841.000	0.10	0.10	0.10	0.10	0.10
846.000	0.10	0.10	0.10	0.10	0.10
851.000	0.10	0.09	0.09	0.09	0.09
856.000	0.09	0.09	0.09	0.09	0.09
861.000	0.09	0.09	0.09	0.09	0.09
866.000	0.09	0.09	0.09	0.09	0.09
871.000	0.09	0.09	0.09	0.09	0.09
876.000	0.09	0.09	0.09	0.08	0.08
881.000	0.08	0.08	0.08	0.08	0.08
886.000	0.08	0.08	0.08	0.08	0.08
891.000	0.08	0.08	0.08	0.08	0.08
896.000	0.08	0.08	0.08	0.08	0.08
901.000	0.08	0.08	0.08	0.08	0.08
906.000	0.08	0.08	0.08	0.07	0.07
911.000	0.07	0.07	0.07	0.07	0.07
916.000	0.07	0.07	0.07	0.07	0.07
921.000	0.07	0.07	0.07	0.07	0.07
926.000	0.07	0.07	0.07	0.07	0.07
931.000	0.07	0.07	0.07	0.07	0.07
936.000	0.07	0.07	0.07	0.07	0.07
941.000	0.07	0.07	0.07	0.06	0.06
946.000	0.06	0.06	0.06	0.06	0.06
951.000	0.06	0.06	0.06	0.06	0.06
956.000	0.06	0.06	0.06	0.06	0.06
961.000	0.06	0.06	0.06	0.06	0.06
966.000	0.06	0.06	0.06	0.06	0.06
971.000	0.06	0.06	0.06	0.06	0.06
976.000	0.06	0.06	0.06	0.06	0.06
981.000	0.06	0.06	0.06	0.06	0.05
986.000	0.05	0.05	0.05	0.05	0.05
991.000	0.05	0.05	0.05	0.05	0.05
996.000	0.05	0.05	0.05	0.05	0.05
1,001.000	0.05	0.05	0.05	0.05	0.05
1,006.000	0.05	0.05	0.05	0.05	0.05
1,011.000	0.05	0.05	0.05	0.05	0.05
1,016.000	0.05	0.05	0.05	0.05	0.05
1,021.000	0.05	0.05	0.05	0.05	0.05
1,026.000	0.05	0.05	0.05	0.05	0.05
1,031.000	0.05	0.05	0.05	0.05	0.05
1,036.000	0.05	0.05	0.05	0.05	0.05
1,041.000	0.05	0.05	0.05	0.05	0.05
1,046.000	0.05	0.05	0.05	0.05	0.05
1,051.000	0.04	0.04	0.04	0.04	0.04

Subsection: Pond Routed Hydrograph (total out)
Label: POND UG (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
1,056.000	0.04	0.04	0.04	0.04	0.04
1,061.000	0.04	0.04	0.04	0.04	0.04
1,066.000	0.04	0.04	0.04	0.04	0.04
1,071.000	0.04	0.04	0.04	0.04	0.04
1,076.000	0.04	0.04	0.04	0.04	0.04
1,081.000	0.04	0.04	0.04	0.04	0.04
1,086.000	0.04	0.04	0.04	0.04	0.04
1,091.000	0.04	0.04	0.04	0.04	0.04
1,096.000	0.04	0.04	0.04	0.04	0.04
1,101.000	0.04	0.04	0.04	0.04	0.04
1,106.000	0.04	0.04	0.04	0.04	0.04
1,111.000	0.04	0.04	0.04	0.04	0.04
1,116.000	0.04	0.04	0.04	0.04	0.04
1,121.000	0.04	0.04	0.04	0.04	0.04
1,126.000	0.04	0.04	0.04	0.04	0.04
1,131.000	0.04	0.04	0.04	0.03	0.03
1,136.000	0.03	0.03	0.03	0.03	0.03
1,141.000	0.03	0.03	0.03	0.03	0.03
1,146.000	0.03	0.03	0.03	0.03	0.03
1,151.000	0.03	0.03	0.03	0.03	0.03
1,156.000	0.03	0.03	0.03	0.03	0.03
1,161.000	0.03	0.03	0.03	0.03	0.03
1,166.000	0.03	0.03	0.03	0.03	0.03
1,171.000	0.03	0.03	0.03	0.03	0.03
1,176.000	0.03	0.03	0.03	0.03	0.03
1,181.000	0.03	0.03	0.03	0.03	0.03
1,186.000	0.03	0.03	0.03	0.03	0.03
1,191.000	0.03	0.03	0.03	0.03	0.03
1,196.000	0.03	0.03	0.03	0.03	0.03
1,201.000	0.03	0.03	0.03	0.03	0.03
1,206.000	0.03	0.03	0.03	0.03	0.03
1,211.000	0.03	0.03	0.03	0.03	0.03
1,216.000	0.03	0.03	0.03	0.03	0.03
1,221.000	0.03	0.03	0.03	0.03	0.03
1,226.000	0.03	0.03	0.03	0.03	0.03
1,231.000	0.03	0.03	0.03	0.03	0.03
1,236.000	0.03	0.03	0.03	0.03	0.03
1,241.000	0.03	0.03	0.03	0.03	0.02
1,246.000	0.02	0.02	0.02	0.02	0.02
1,251.000	0.02	0.02	0.02	0.02	0.02
1,256.000	0.02	0.02	0.02	0.02	0.02
1,261.000	0.02	0.02	0.02	0.02	0.02
1,266.000	0.02	0.02	0.02	0.02	0.02

Subsection: Pond Routed Hydrograph (total out)
Label: POND UG (OUT)
Scenario: PR - 50-YR

Return Event: 50 years
Storm Event: Weslaco IDF - 50 Year

HYDROGRAPH ORDINATES (ft³/s)
Output Time Increment = 1.000 min
Time on left represents time for first value in each row.

Time (min)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)	Flow (ft ³ /s)
1,271.000	0.02	0.02	0.02	0.02	0.02
1,276.000	0.02	0.02	0.02	0.02	0.02
1,281.000	0.02	0.02	0.02	0.02	0.02
1,286.000	0.02	0.02	0.02	0.02	0.02
1,291.000	0.02	0.02	0.02	0.02	0.02
1,296.000	0.02	0.02	0.02	0.02	0.02
1,301.000	0.02	0.02	0.02	0.02	0.02
1,306.000	0.02	0.02	0.02	0.02	0.02
1,311.000	0.02	0.02	0.02	0.02	0.02
1,316.000	0.02	0.02	0.02	0.02	0.02
1,321.000	0.02	0.02	0.02	0.02	0.02
1,326.000	0.02	0.02	0.02	0.02	0.02
1,331.000	0.02	0.02	0.02	0.02	0.02
1,336.000	0.02	0.02	0.02	0.02	0.02
1,341.000	0.02	0.02	0.02	0.02	0.02
1,346.000	0.02	0.02	0.02	0.02	0.02
1,351.000	0.02	0.02	0.02	0.02	0.02
1,356.000	0.02	0.02	0.02	0.02	0.02
1,361.000	0.02	0.02	0.02	0.02	0.02
1,366.000	0.02	0.02	0.02	0.02	0.02
1,371.000	0.02	0.02	0.02	0.02	0.02
1,376.000	0.02	0.02	0.02	0.02	0.02
1,381.000	0.02	0.02	0.02	0.02	0.02
1,386.000	0.02	0.02	0.02	0.02	0.02
1,391.000	0.02	0.02	0.02	0.02	0.02
1,396.000	0.02	0.02	0.02	0.02	0.02
1,401.000	0.02	0.02	0.02	0.02	0.02
1,406.000	0.02	0.02	0.02	0.02	0.02
1,411.000	0.02	0.02	0.02	0.02	0.02
1,416.000	0.02	0.02	0.02	0.02	0.02
1,421.000	0.02	0.02	0.02	0.02	0.02
1,426.000	0.02	0.02	0.02	0.02	0.02
1,431.000	0.02	0.02	0.02	0.02	0.02
1,436.000	0.02	0.02	0.02	0.02	0.02

Subsection: Pond Inflow Summary

Label: POND UG (IN)

Scenario: PR - 50-YR

Return Event: 50 years

Storm Event: Weslaco IDF - 50 Year

Summary for Hydrograph Addition at 'POND UG'

Upstream Link	Upstream Node
<Catchment to Outflow Node>	BASIN UG

Node Inflows

Inflow Type	Element	Volume (ft ³)	Time to Peak (min)	Flow (Peak) (ft ³ /s)
Flow (From)	BASIN UG	73,688.385	18.000	25.06
Flow (In)	POND UG	73,688.385	18.000	25.06

Hydrograph Report

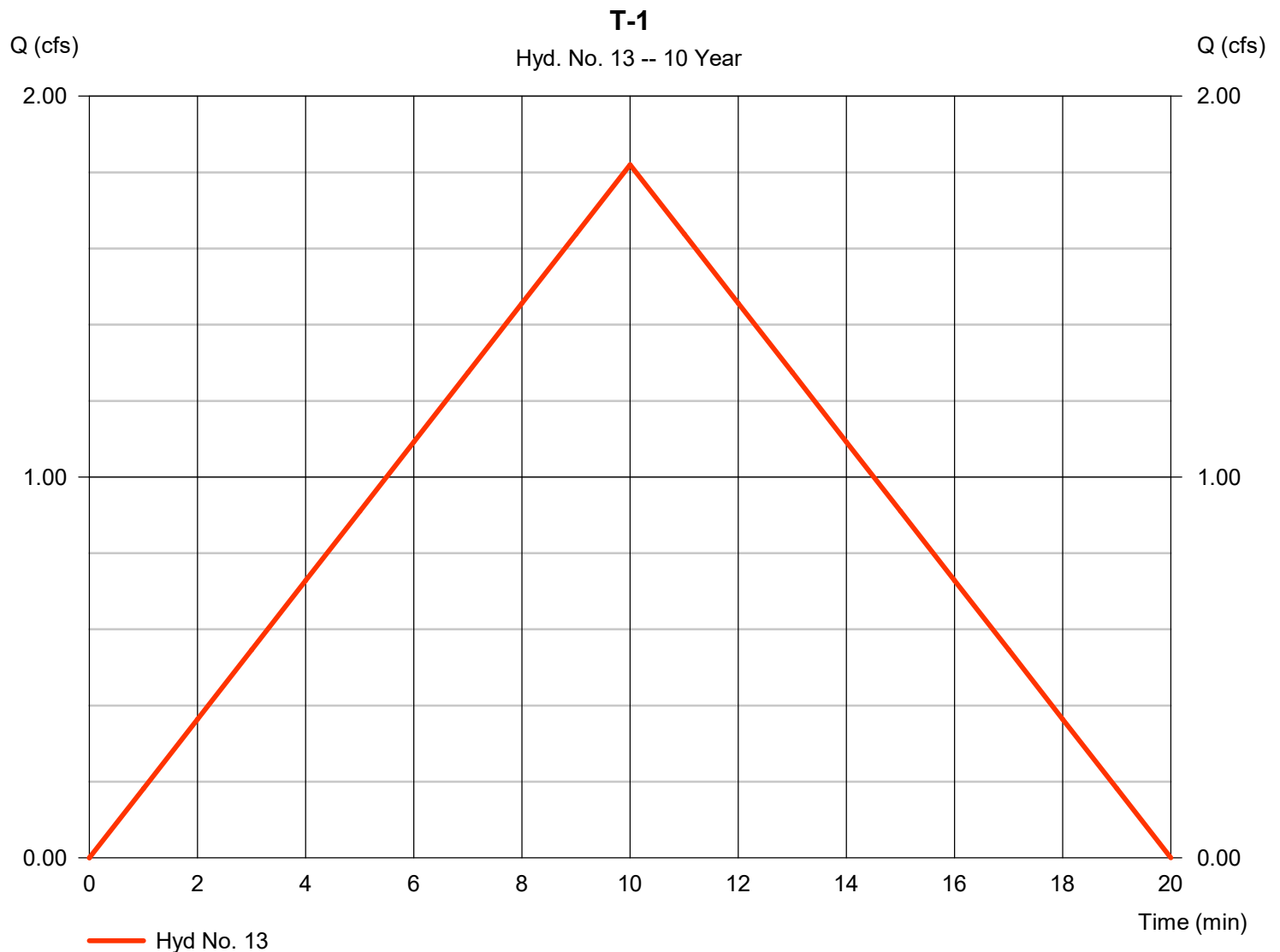
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 13

T-1

Hydrograph type	= Rational	Peak discharge	= 1.820 cfs
Storm frequency	= 10 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 1,092 cuft
Drainage area	= 0.530 ac	Runoff coeff.	= 0.45
Intensity	= 7.632 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

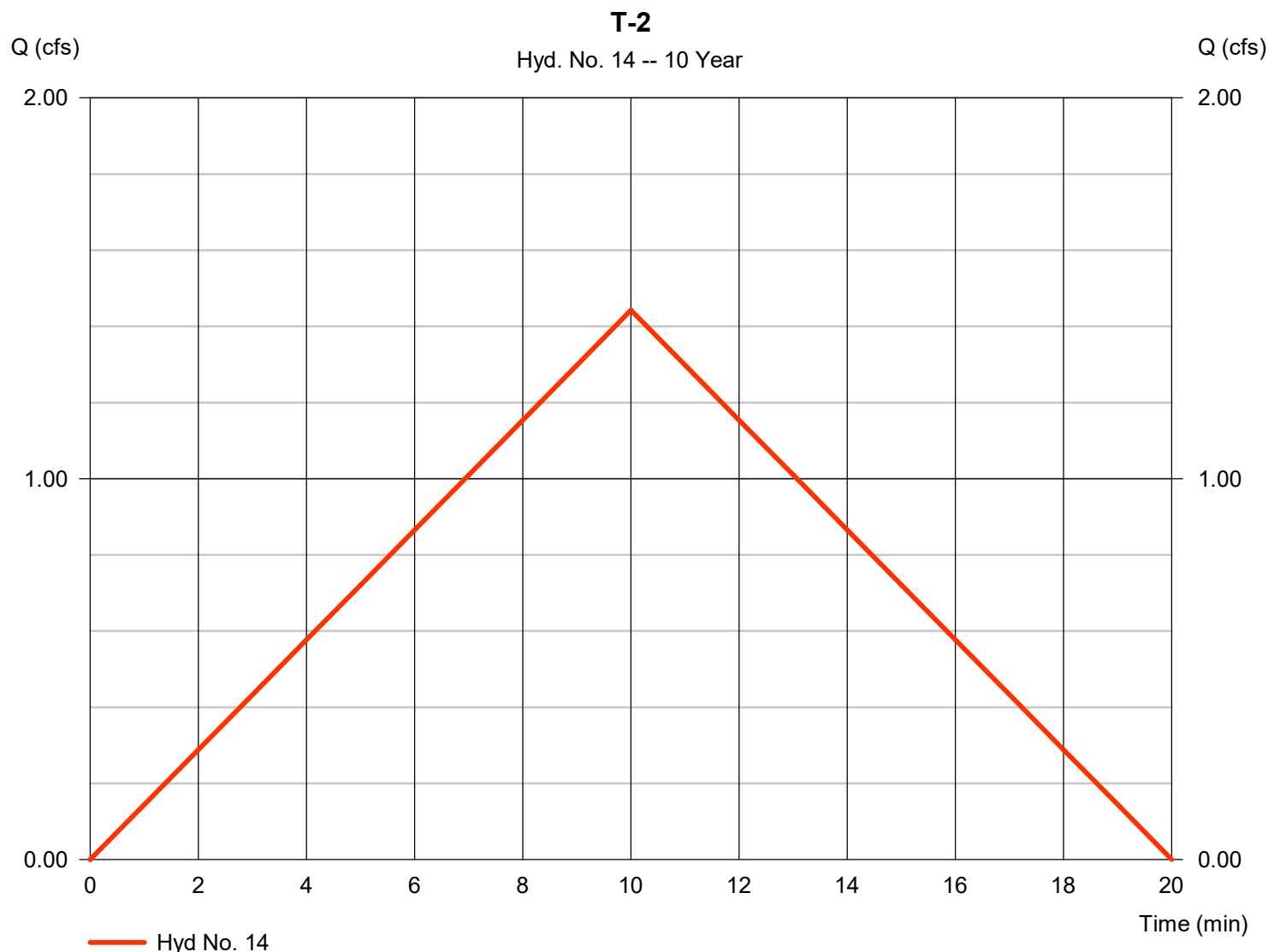
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 14

T-2

Hydrograph type	= Rational	Peak discharge	= 1.443 cfs
Storm frequency	= 10 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 866 cuft
Drainage area	= 0.210 ac	Runoff coeff.	= 0.9
Intensity	= 7.632 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

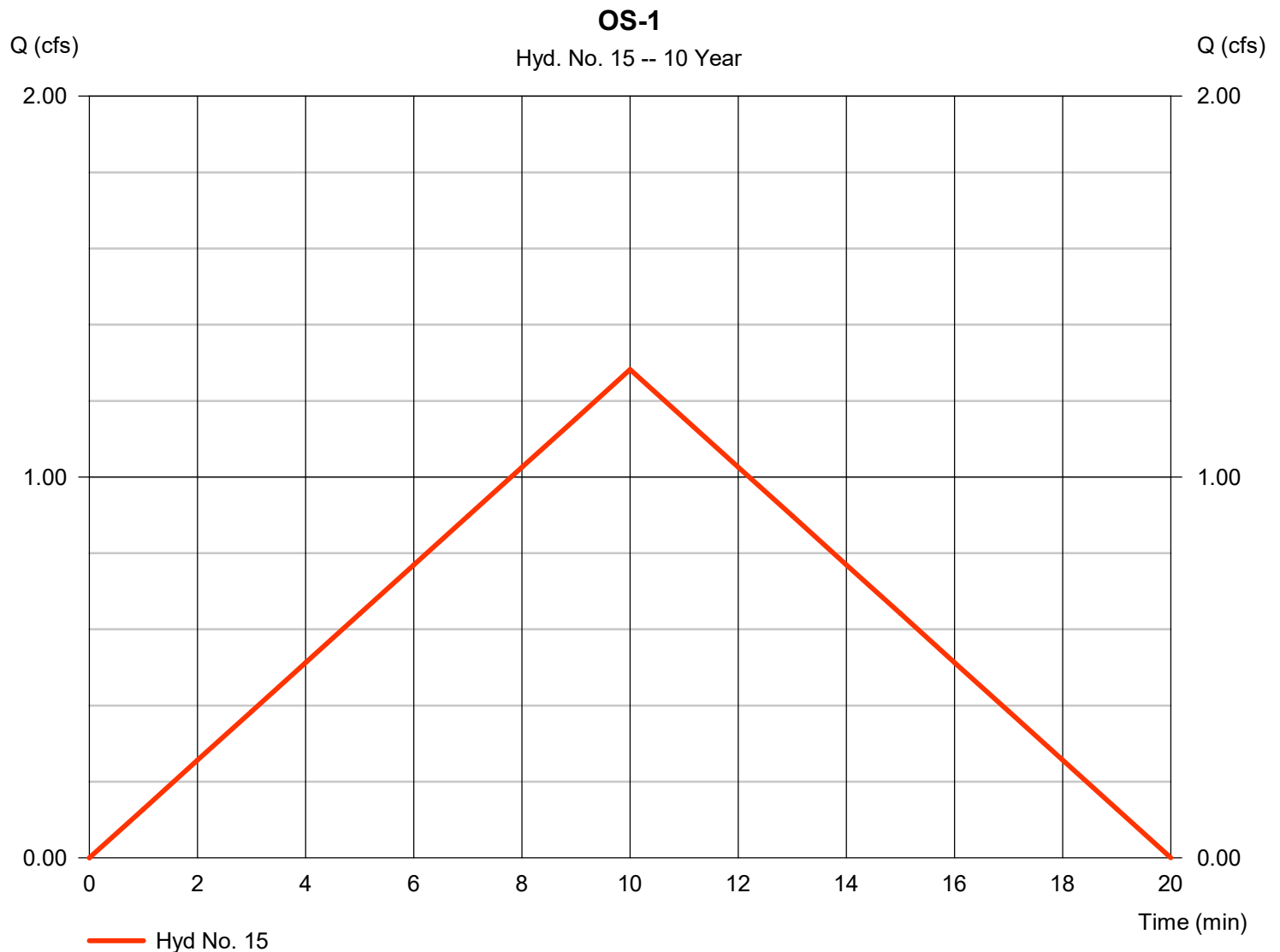
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 15

OS-1

Hydrograph type	= Rational	Peak discharge	= 1.282 cfs
Storm frequency	= 10 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 769 cuft
Drainage area	= 0.560 ac	Runoff coeff.	= 0.3
Intensity	= 7.632 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 16

OS-2

Hydrograph type	= Rational	Peak discharge	= 2.816 cfs
Storm frequency	= 10 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 1,690 cuft
Drainage area	= 1.230 ac	Runoff coeff.	= 0.3
Intensity	= 7.632 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

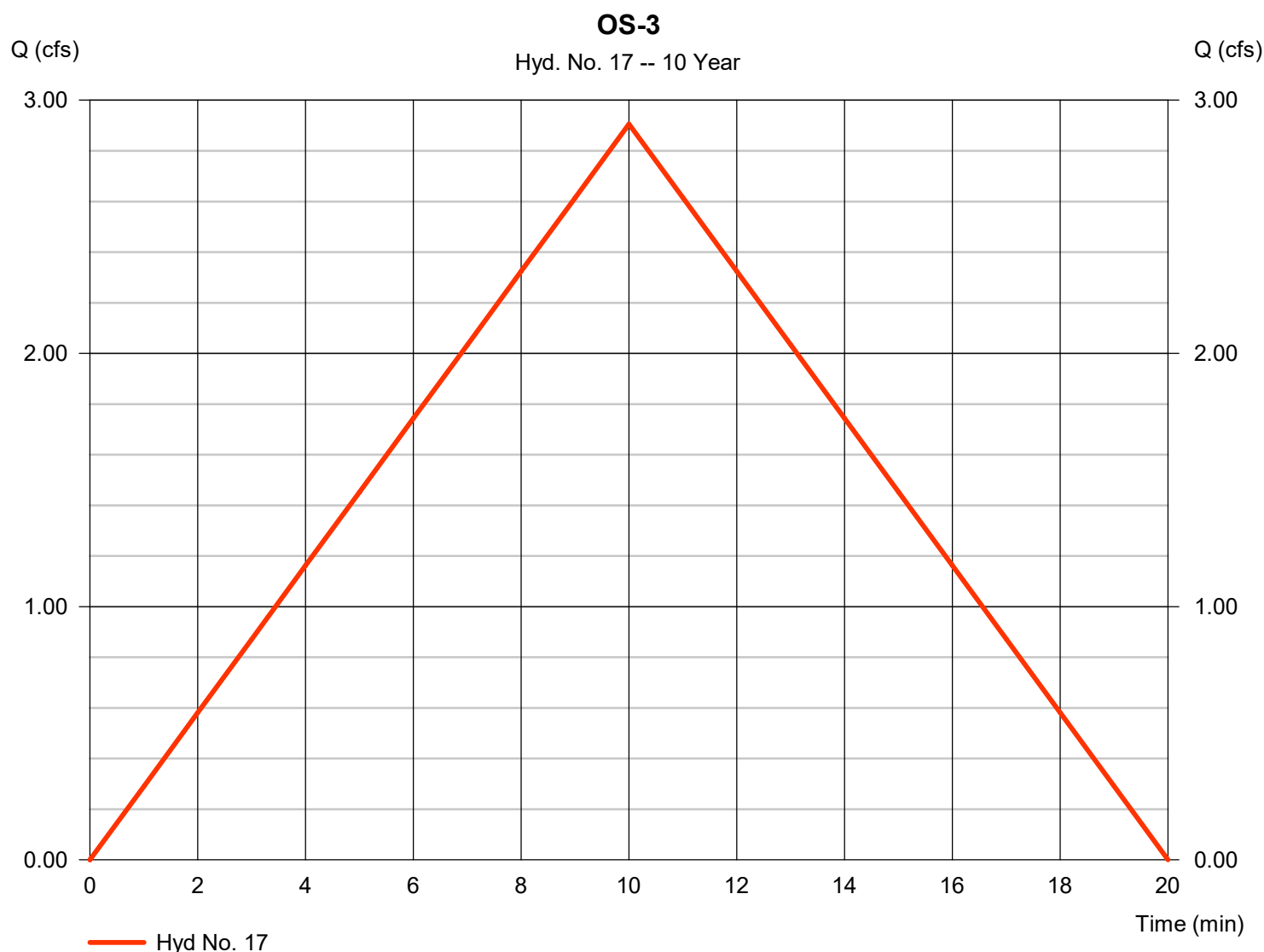
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 17

OS-3

Hydrograph type	= Rational	Peak discharge	= 2.906 cfs
Storm frequency	= 10 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 1,743 cuft
Drainage area	= 0.810 ac	Runoff coeff.	= 0.47
Intensity	= 7.632 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

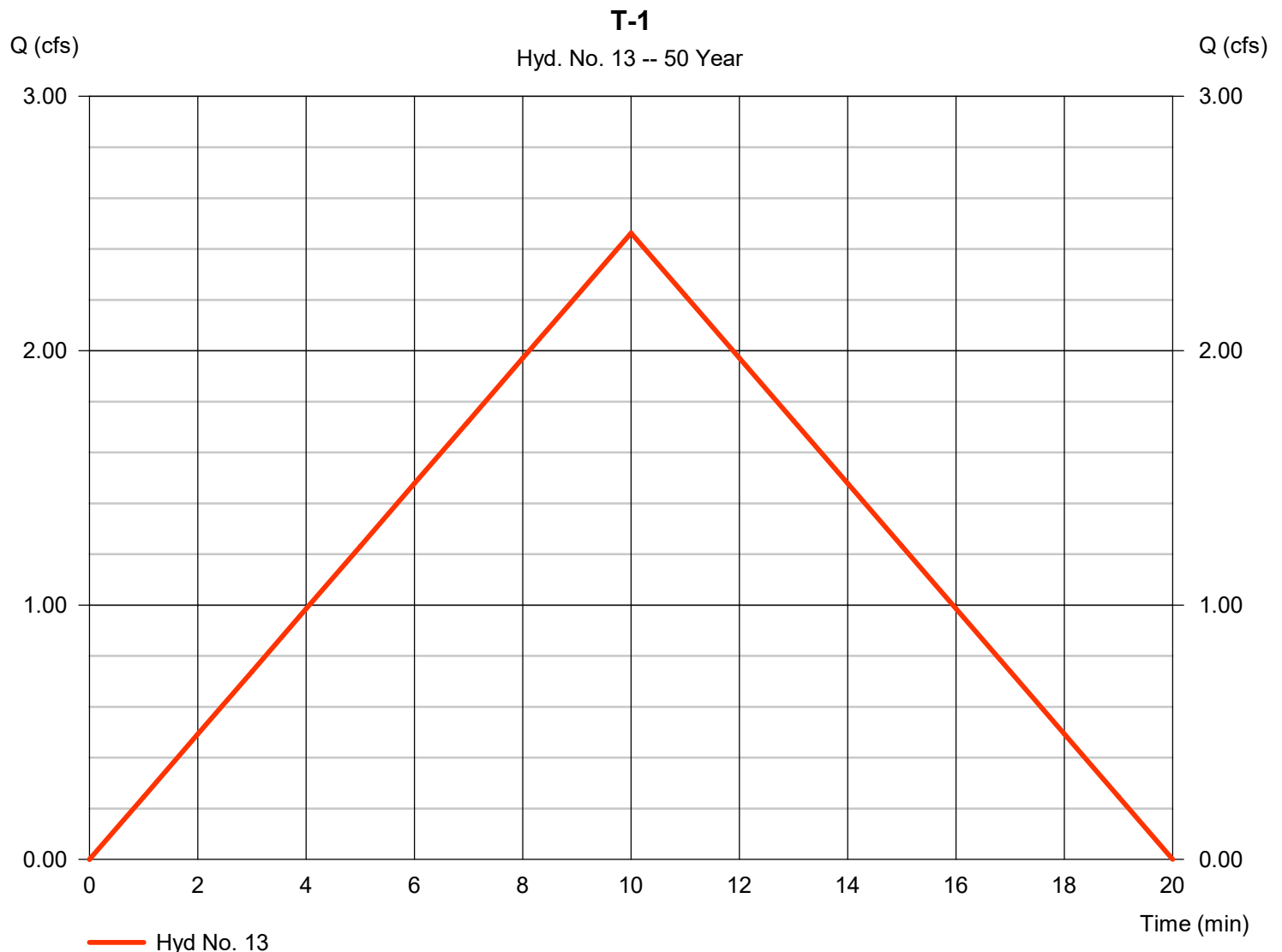
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 13

T-1

Hydrograph type	= Rational	Peak discharge	= 2.463 cfs
Storm frequency	= 50 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 1,478 cuft
Drainage area	= 0.530 ac	Runoff coeff.	= 0.45
Intensity	= 10.327 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

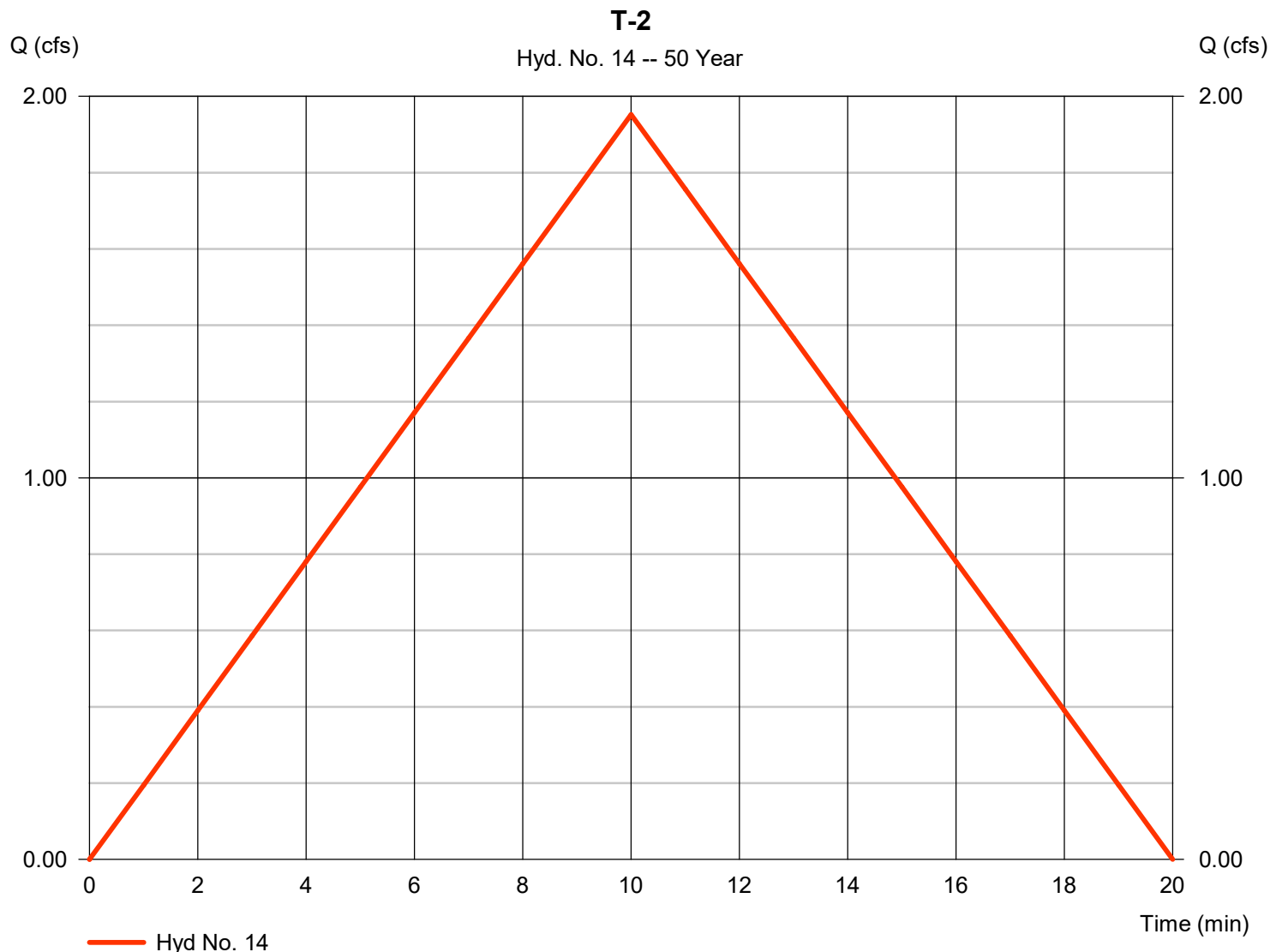
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 14

T-2

Hydrograph type	= Rational	Peak discharge	= 1.952 cfs
Storm frequency	= 50 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 1,171 cuft
Drainage area	= 0.210 ac	Runoff coeff.	= 0.9
Intensity	= 10.327 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

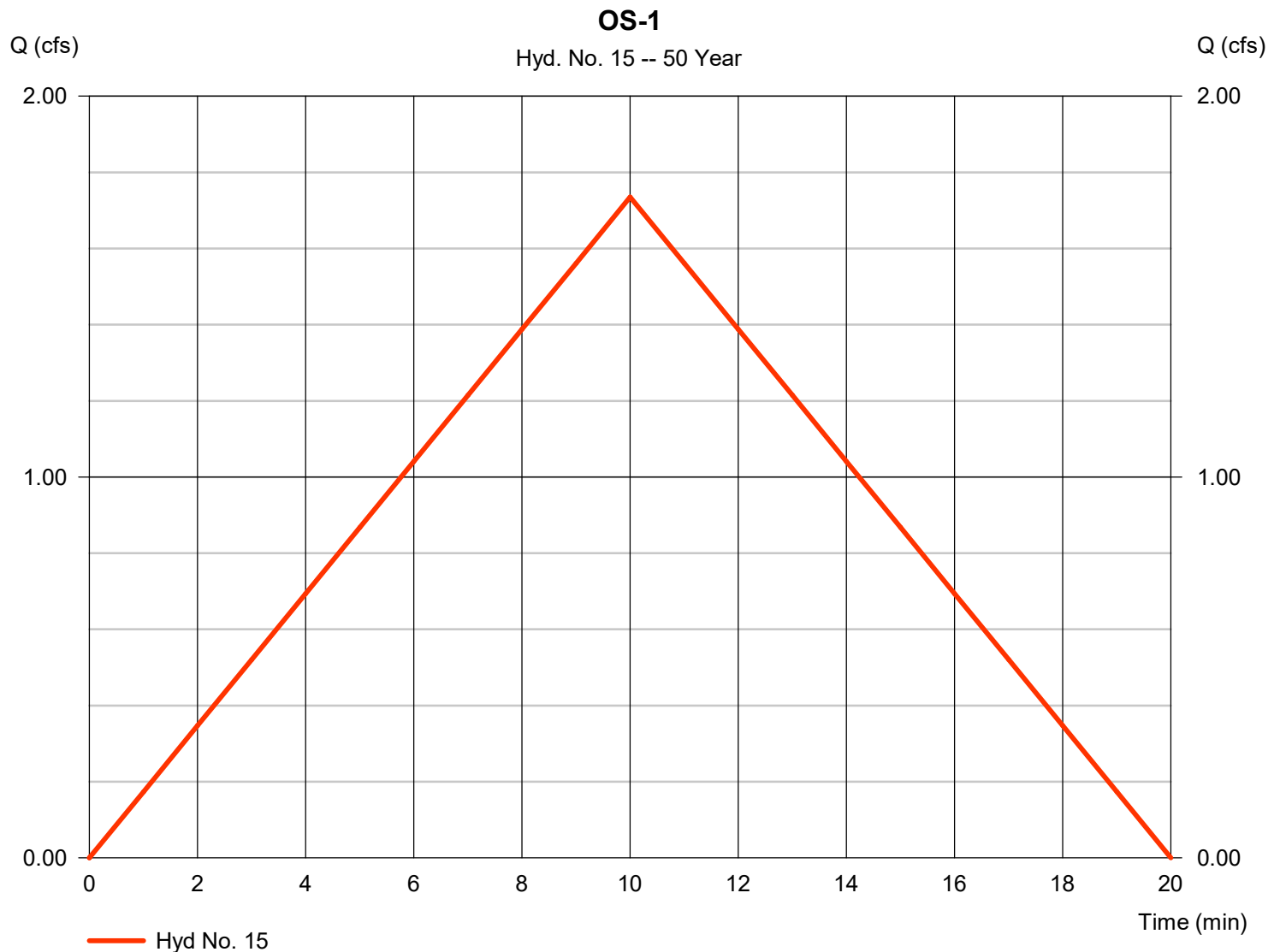
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 15

OS-1

Hydrograph type	= Rational	Peak discharge	= 1.735 cfs
Storm frequency	= 50 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 1,041 cuft
Drainage area	= 0.560 ac	Runoff coeff.	= 0.3
Intensity	= 10.327 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

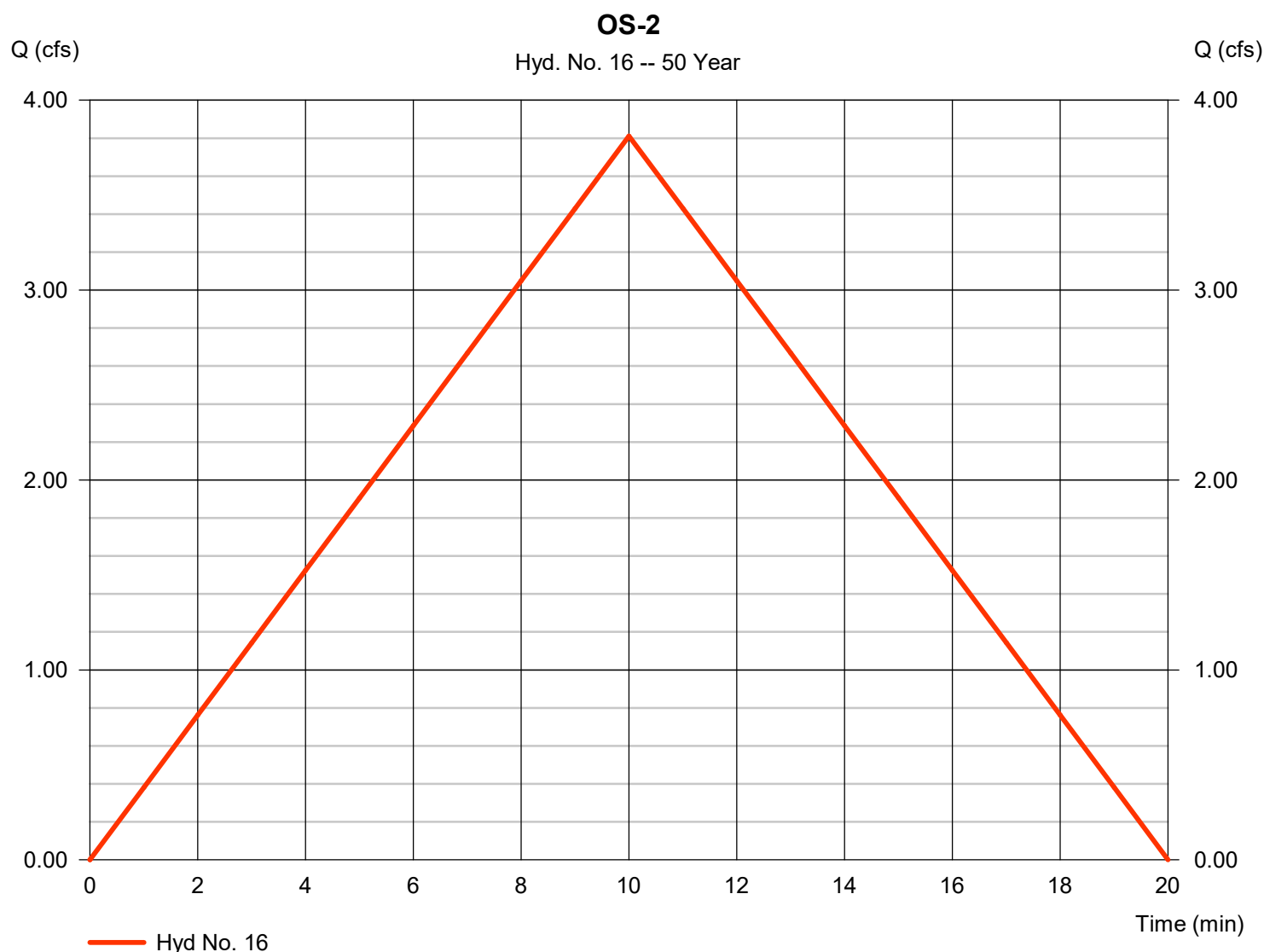
Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 16

OS-2

Hydrograph type	= Rational	Peak discharge	= 3.811 cfs
Storm frequency	= 50 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 2,286 cuft
Drainage area	= 1.230 ac	Runoff coeff.	= 0.3
Intensity	= 10.327 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1



Hydrograph Report

Hydraflow Hydrographs Extension for Autodesk® Civil 3D® by Autodesk, Inc. v2023

Monday, 02 / 3 / 2025

Hyd. No. 17

OS-3

Hydrograph type	= Rational	Peak discharge	= 3.932 cfs
Storm frequency	= 50 yrs	Time to peak	= 10 min
Time interval	= 1 min	Hyd. volume	= 2,359 cuft
Drainage area	= 0.810 ac	Runoff coeff.	= 0.47
Intensity	= 10.327 in/hr	Tc by User	= 10.00 min
IDF Curve	= SampleFHA.idf	Asc/Rec limb fact	= 1/1

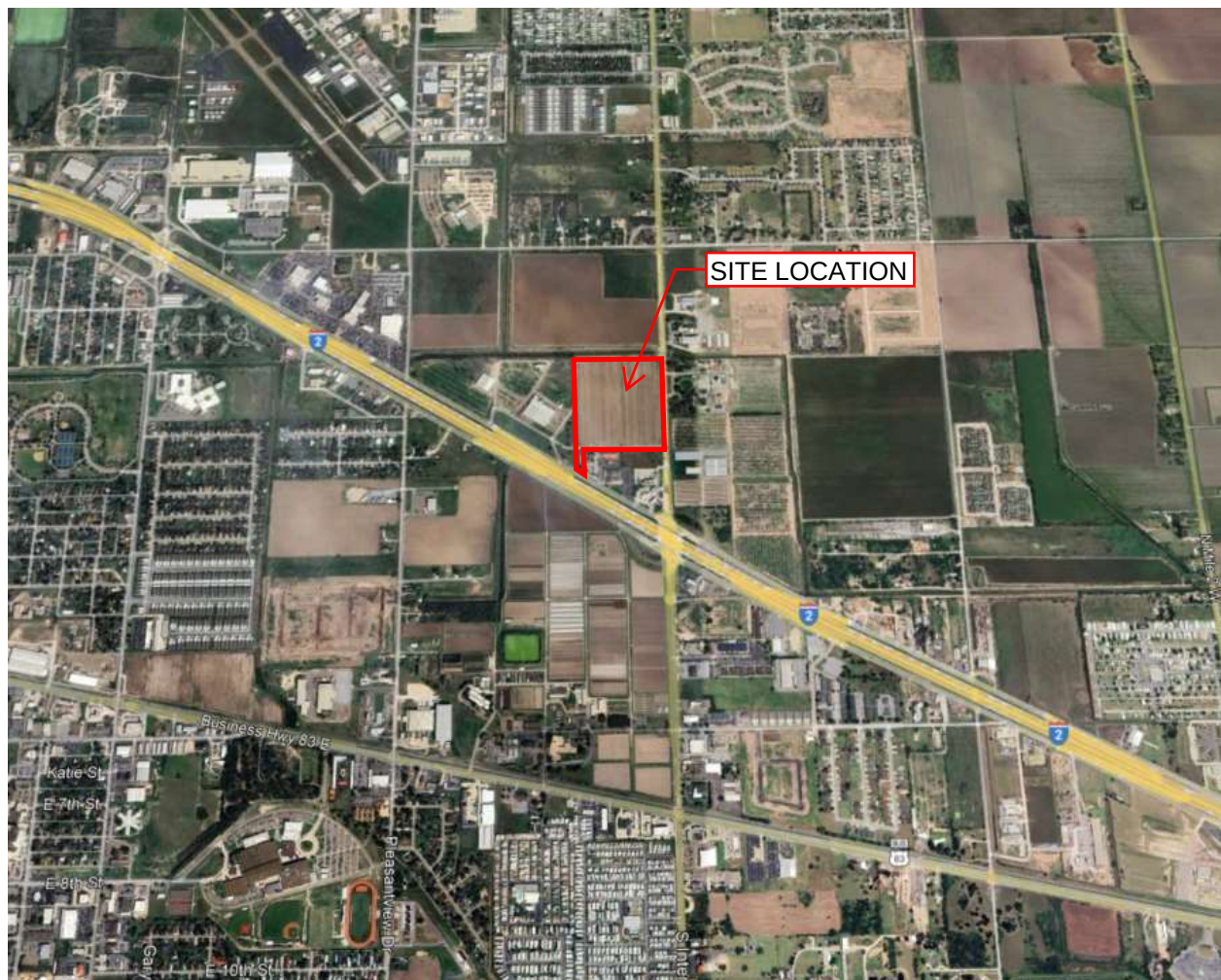


AERIAL LOCATION MAP

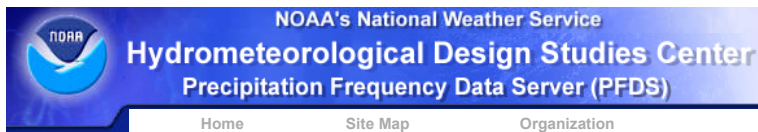


AERIAL LOCATION MAP

Barbee Subdivision
Weslaco, Texas



HIDALGO COUNTY RAINFALL DATA TABLES

[Home](#)[Site Map](#)[Organization](#)Search 

NWS



All NOAA

General Information

[Homepage](#)
[Progress Reports](#)
[FAQ](#)
[Glossary](#)Precipitation
Frequency[Data Server](#)
[GIS Grids](#)
[Maps](#)
[Time Series](#)
[Temporals](#)
[Documents](#)[Probable Maximum
Precipitation](#)
[Documents](#)

Miscellaneous

[Publications](#)
[Storm Analysis](#)
[Record Precipitation](#)

Contact Us

[Inquiries](#)

NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: TX

Data description

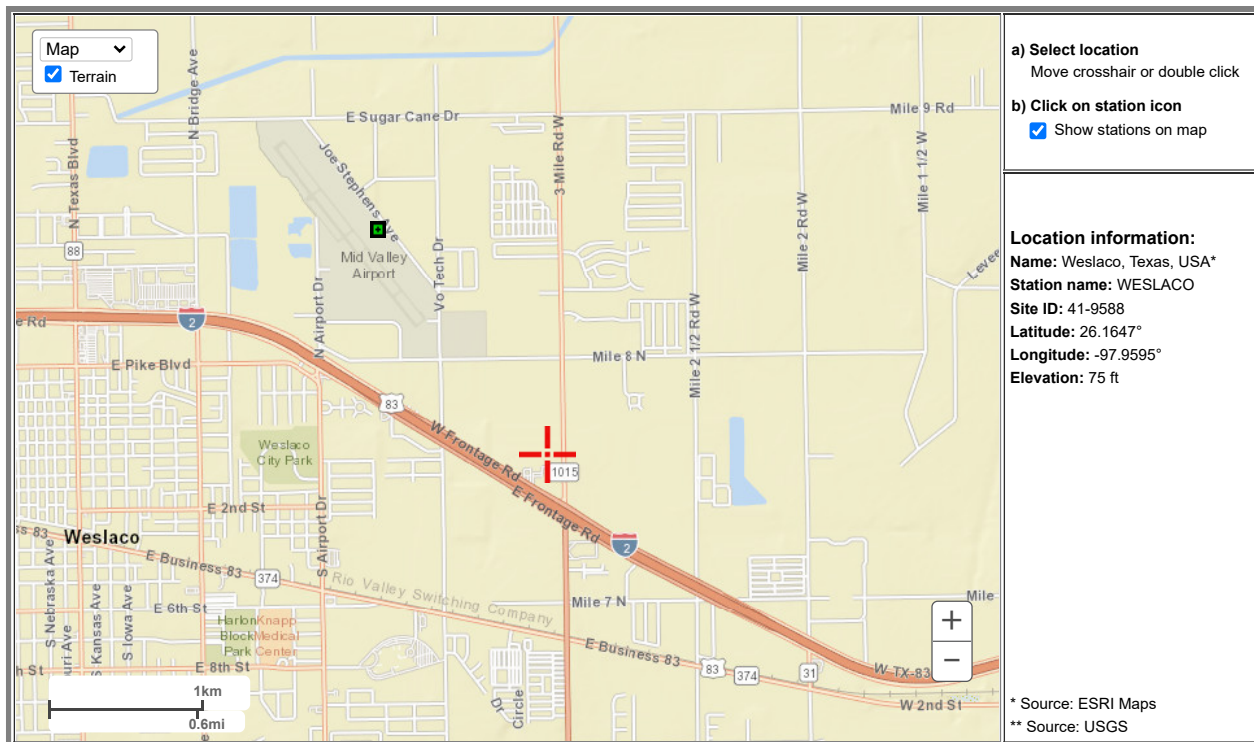
Data type: Units: Time series type:

Select location

1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude: b) By station (list of TX stations): c) By address

2) Use map:



POINT PRECIPITATION FREQUENCY (PF) ESTIMATES

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
NOAA Atlas 14, Volume 11, Version 2[PF tabular](#)[PF graphical](#)[Supplementary information](#)[Print page](#)PDS-based precipitation frequency estimates with 90% confidence intervals (in inches/hour)¹

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	5.35 (4.04-7.06)	6.40 (4.88-8.35)	8.10 (6.17-10.6)	9.53 (7.15-12.7)	11.5 (8.35-15.7)	13.0 (9.20-18.3)	14.5 (10.0-21.0)	16.1 (10.8-23.9)	18.3 (11.9-28.0)	20.0 (12.6-31.3)
10-min	4.24 (3.20-5.59)	5.08 (3.88-6.63)	6.44 (4.90-8.45)	7.58 (5.69-10.1)	9.15 (6.66-12.6)	10.4 (7.35-14.6)	11.6 (8.00-16.8)	12.9 (8.63-19.0)	14.5 (9.42-22.2)	15.8 (9.97-24.7)
15-min	3.60 (2.73-4.76)	4.30 (3.28-5.62)	5.43 (4.14-7.14)	6.37 (4.78-8.49)	7.67 (5.57-10.5)	8.66 (6.13-12.2)	9.67 (6.67-14.0)	10.7 (7.20-15.9)	12.1 (7.88-18.5)	13.2 (8.36-20.7)
30-min	2.58 (1.95-3.40)	3.06 (2.34-4.01)	3.85 (2.94-5.07)	4.51 (3.39-6.01)	5.41 (3.93-7.40)	6.09 (4.30-8.56)	6.78 (4.68-9.79)	7.51 (5.05-11.1)	8.52 (5.53-13.0)	9.30 (5.89-14.6)
60-min	1.66 (1.26-2.19)	1.98 (1.52-2.59)	2.52 (1.92-3.30)	2.96 (2.22-3.94)	3.57 (2.59-4.88)	4.03 (2.85-5.67)	4.51 (3.11-6.51)	5.03 (3.38-7.45)	5.76 (3.74-8.82)	6.34 (4.01-9.93)
2-hr	0.968 (0.741-1.27)	1.18 (0.908-1.52)	1.52 (1.17-1.98)	1.82 (1.38-2.40)	2.24 (1.64-3.03)	2.57 (1.83-3.58)	2.93 (2.03-4.18)	3.32 (2.24-4.86)	3.89 (2.54-5.87)	4.35 (2.76-6.72)
3-hr	0.691 (0.532-0.899)	0.859 (0.659-1.09)	1.12 (0.861-1.44)	1.34 (1.02-1.76)	1.68 (1.24-2.26)	1.94 (1.39-2.69)	2.24 (1.56-3.17)	2.57 (1.74-3.72)	3.04 (1.99-4.57)	3.44 (2.19-5.27)
6-hr	0.389	0.493	0.649	0.791	1.00	1.18	1.37	1.60	1.92	2.19

	(0.302-0.500)	(0.380-0.613)	(0.505-0.826)	(0.609-1.03)	(0.745-1.34)	(0.851-1.61)	(0.963-1.92)	(1.09-2.28)	(1.26-2.84)	(1.40-3.31)
12-hr	0.217 (0.170-0.276)	0.279 (0.216-0.341)	0.370 (0.291-0.466)	0.454 (0.353-0.582)	0.580 (0.435-0.765)	0.685 (0.499-0.927)	0.804 (0.568-1.11)	0.941 (0.644-1.33)	1.14 (0.754-1.67)	1.31 (0.842-1.96)
24-hr	0.122 (0.097-0.154)	0.158 (0.124-0.192)	0.211 (0.168-0.263)	0.260 (0.204-0.330)	0.333 (0.252-0.435)	0.395 (0.290-0.529)	0.465 (0.330-0.634)	0.545 (0.375-0.760)	0.665 (0.440-0.957)	0.765 (0.492-1.12)
2-day	0.069 (0.055-0.086)	0.089 (0.070-0.107)	0.119 (0.096-0.147)	0.147 (0.116-0.184)	0.188 (0.144-0.243)	0.223 (0.165-0.295)	0.262 (0.188-0.354)	0.307 (0.213-0.422)	0.373 (0.248-0.529)	0.428 (0.276-0.620)
3-day	0.049 (0.040-0.061)	0.064 (0.051-0.076)	0.085 (0.069-0.105)	0.105 (0.084-0.131)	0.134 (0.103-0.172)	0.159 (0.118-0.209)	0.186 (0.134-0.249)	0.217 (0.151-0.297)	0.262 (0.175-0.369)	0.300 (0.194-0.431)
4-day	0.039 (0.032-0.049)	0.051 (0.041-0.061)	0.068 (0.055-0.083)	0.083 (0.066-0.103)	0.106 (0.081-0.135)	0.124 (0.093-0.162)	0.145 (0.104-0.193)	0.169 (0.117-0.229)	0.203 (0.135-0.284)	0.231 (0.150-0.330)
7-day	0.026 (0.021-0.031)	0.033 (0.026-0.039)	0.043 (0.035-0.052)	0.052 (0.042-0.065)	0.066 (0.051-0.083)	0.077 (0.057-0.099)	0.089 (0.064-0.117)	0.102 (0.071-0.137)	0.121 (0.081-0.168)	0.137 (0.089-0.194)
10-day	0.020 (0.016-0.024)	0.025 (0.020-0.030)	0.033 (0.027-0.039)	0.039 (0.032-0.048)	0.049 (0.038-0.062)	0.057 (0.043-0.073)	0.065 (0.047-0.085)	0.075 (0.052-0.100)	0.088 (0.059-0.121)	0.099 (0.064-0.139)
20-day	0.012 (0.010-0.015)	0.015 (0.013-0.018)	0.020 (0.016-0.024)	0.024 (0.019-0.029)	0.029 (0.023-0.036)	0.033 (0.025-0.042)	0.037 (0.027-0.048)	0.042 (0.030-0.056)	0.049 (0.033-0.066)	0.054 (0.035-0.075)
30-day	0.009 (0.008-0.011)	0.011 (0.010-0.014)	0.015 (0.012-0.018)	0.018 (0.014-0.021)	0.022 (0.017-0.027)	0.025 (0.019-0.031)	0.028 (0.020-0.035)	0.031 (0.022-0.040)	0.035 (0.024-0.048)	0.039 (0.025-0.053)
45-day	0.007 (0.006-0.009)	0.009 (0.007-0.010)	0.011 (0.010-0.014)	0.014 (0.011-0.016)	0.016 (0.013-0.020)	0.019 (0.014-0.023)	0.021 (0.015-0.027)	0.023 (0.016-0.030)	0.026 (0.018-0.035)	0.029 (0.019-0.039)
60-day	0.006 (0.005-0.007)	0.007 (0.006-0.009)	0.010 (0.008-0.011)	0.011 (0.009-0.013)	0.014 (0.011-0.017)	0.015 (0.012-0.019)	0.017 (0.013-0.022)	0.019 (0.014-0.025)	0.022 (0.015-0.029)	0.024 (0.015-0.032)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).
Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.
Please refer to NOAA Atlas 14 document for more information.

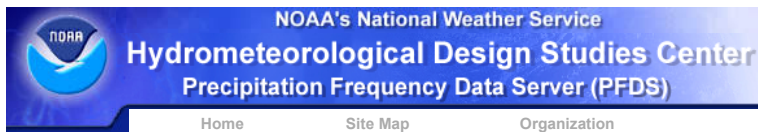
Estimates from the table in CSV format: [Precipitation frequency estimates](#)

Main Link Categories:
[Home](#) | [OWP](#)

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Office of Water Prediction (OWP)
1325 East West Highway
Silver Spring, MD 20910
Page Author: [HDSC webmaster](#)
Page last modified: April 21, 2017

Map Disclaimer
Disclaimer
Credits
Glossary

Privacy Policy
About Us
Career Opportunities

[Home](#)[Site Map](#)[Organization](#)

Search

☒ NWS☐ All NOAA

General Information

[Homepage](#)
[Progress Reports](#)
[FAQ](#)
[Glossary](#)Precipitation
Frequency[Data Server](#)
[GIS Grids](#)
[Maps](#)
[Time Series](#)
[Temporals](#)
[Documents](#)Probable Maximum
Precipitation
Documents

Miscellaneous

[Publications](#)
[Storm Analysis](#)
[Record Precipitation](#)

Contact Us

[Inquiries](#)

NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: TX

Data description

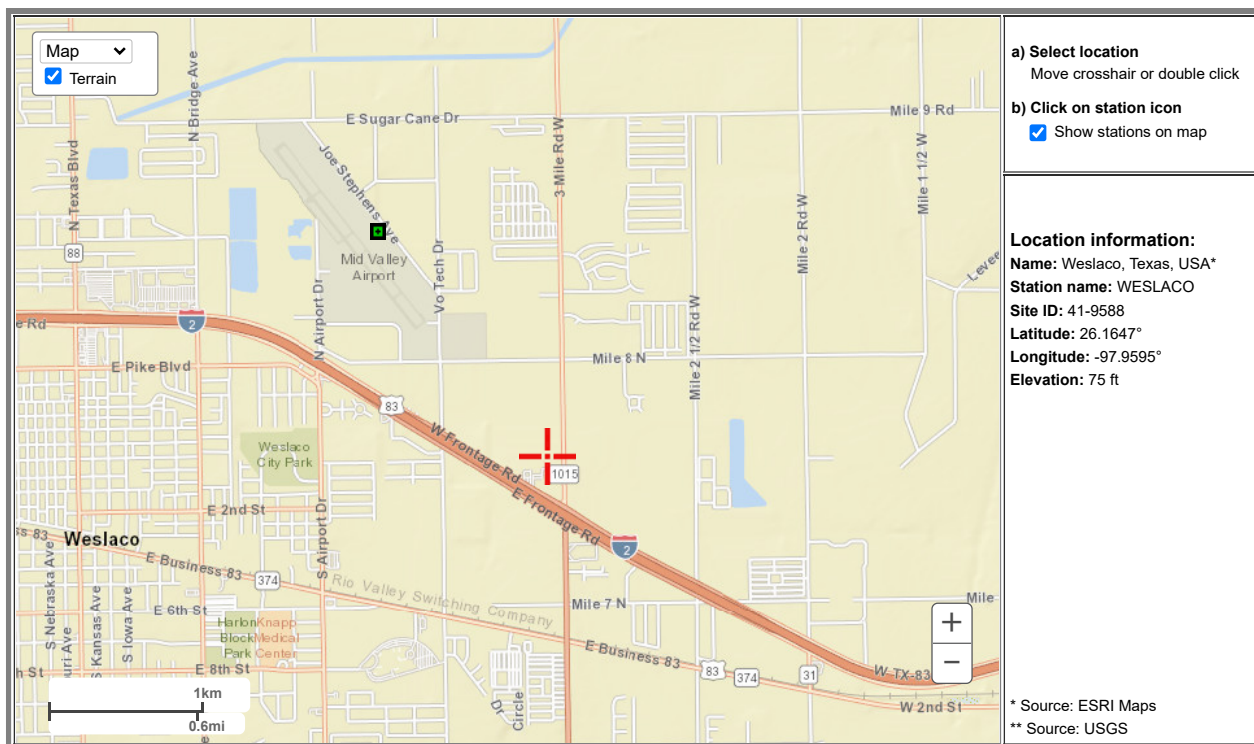
Data type: Units: Time series type:

Select location

1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude: b) By station (list of TX stations): c) By address

2) Use map:



POINT PRECIPITATION FREQUENCY (PF) ESTIMATES

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
NOAA Atlas 14, Volume 11, Version 2[PF tabular](#)[PF graphical](#)[Supplementary information](#) [Print page](#)

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.446 (0.337-0.588)	0.533 (0.407-0.696)	0.675 (0.514-0.887)	0.794 (0.596-1.06)	0.957 (0.696-1.31)	1.08 (0.767-1.52)	1.21 (0.835-1.75)	1.34 (0.904-1.99)	1.52 (0.990-2.33)	1.66 (1.05-2.61)
10-min	0.706 (0.534-0.932)	0.846 (0.646-1.10)	1.07 (0.817-1.41)	1.26 (0.948-1.68)	1.52 (1.11-2.09)	1.73 (1.22-2.44)	1.93 (1.33-2.79)	2.14 (1.44-3.17)	2.42 (1.57-3.70)	2.62 (1.66-4.11)
15-min	0.901 (0.682-1.19)	1.07 (0.821-1.40)	1.36 (1.04-1.78)	1.59 (1.20-2.12)	1.92 (1.39-2.63)	2.17 (1.53-3.05)	2.42 (1.67-3.49)	2.68 (1.80-3.96)	3.03 (1.97-4.64)	3.30 (2.09-5.18)
30-min	1.29 (0.975-1.70)	1.53 (1.17-2.00)	1.93 (1.47-2.53)	2.26 (1.69-3.00)	2.70 (1.96-3.70)	3.04 (2.15-4.28)	3.39 (2.34-4.89)	3.76 (2.53-5.56)	4.26 (2.77-6.52)	4.65 (2.94-7.29)
60-min	1.66 (1.26-2.19)	1.98 (1.52-2.59)	2.52 (1.92-3.30)	2.96 (2.22-3.94)	3.57 (2.59-4.88)	4.03 (2.85-5.67)	4.51 (3.11-6.51)	5.03 (3.38-7.45)	5.76 (3.74-8.82)	6.34 (4.01-9.93)
2-hr	1.94 (1.48-2.53)	2.37 (1.82-3.04)	3.05 (2.34-3.96)	3.64 (2.76-4.80)	4.48 (3.28-6.07)	5.14 (3.67-7.15)	5.86 (4.06-8.35)	6.64 (4.49-9.71)	7.77 (5.07-11.7)	8.69 (5.52-13.4)
3-hr	2.08 (1.60-2.70)	2.58 (1.98-3.27)	3.35 (2.59-4.32)	4.04 (3.08-5.29)	5.03 (3.71-6.78)	5.84 (4.19-8.08)	6.73 (4.69-9.52)	7.72 (5.23-11.2)	9.15 (5.98-13.7)	10.3 (6.58-15.8)
6-hr	2.33	2.96	3.89	4.74	6.00	7.05	8.22	9.55	11.5	13.1

	(1.81-3.00)	(2.28-3.67)	(3.03-4.95)	(3.65-6.14)	(4.47-8.01)	(5.10-9.65)	(5.77-11.5)	(6.51-13.7)	(7.55-17.0)	(8.39-19.8)
12-hr	2.62 (2.06-3.33)	3.37 (2.61-4.12)	4.46 (3.51-5.62)	5.48 (4.26-7.02)	6.99 (5.25-9.23)	8.26 (6.02-11.2)	9.70 (6.85-13.4)	11.3 (7.77-16.0)	13.8 (9.09-20.1)	15.8 (10.2-23.6)
24-hr	2.94 (2.33-3.71)	3.81 (2.98-4.61)	5.08 (4.04-6.32)	6.26 (4.91-7.94)	8.01 (6.07-10.5)	9.50 (6.97-12.7)	11.2 (7.94-15.2)	13.1 (9.02-18.3)	16.0 (10.6-23.0)	18.4 (11.8-27.0)
2-day	3.32 (2.66-4.14)	4.30 (3.40-5.15)	5.74 (4.61-7.07)	7.07 (5.61-8.88)	9.06 (6.93-11.7)	10.7 (7.95-14.2)	12.6 (9.03-17.0)	14.8 (10.2-20.3)	17.9 (11.9-25.4)	20.6 (13.3-29.8)
3-day	3.60 (2.90-4.46)	4.64 (3.71-5.54)	6.19 (5.01-7.58)	7.61 (6.07-9.49)	9.72 (7.47-12.5)	11.5 (8.54-15.1)	13.5 (9.66-18.0)	15.7 (10.9-21.4)	18.9 (12.6-26.6)	21.6 (14.0-31.1)
4-day	3.83 (3.10-4.73)	4.92 (3.96-5.86)	6.54 (5.32-7.98)	8.01 (6.42-9.95)	10.2 (7.85-13.0)	12.0 (8.93-15.6)	14.0 (10.1-18.6)	16.2 (11.3-22.0)	19.5 (13.0-27.3)	22.2 (14.4-31.7)
7-day	4.40 (3.59-5.38)	5.55 (4.54-6.62)	7.32 (6.01-8.87)	8.89 (7.17-10.9)	11.1 (8.64-14.0)	13.0 (9.71-16.7)	15.0 (10.8-19.7)	17.2 (12.1-23.1)	20.5 (13.7-28.3)	23.2 (15.1-32.6)
10-day	4.85 (3.98-5.89)	6.06 (5.00-7.22)	7.95 (6.57-9.58)	9.58 (7.78-11.7)	11.9 (9.27-14.9)	13.8 (10.3-17.6)	15.8 (11.5-20.6)	18.0 (12.7-24.0)	21.3 (14.3-29.2)	23.9 (15.6-33.5)
20-day	6.09 (5.05-7.31)	7.46 (6.26-8.86)	9.67 (8.10-11.6)	11.5 (9.46-13.9)	14.1 (11.1-17.5)	16.1 (12.2-20.4)	18.2 (13.3-23.5)	20.5 (14.5-27.0)	23.7 (16.1-32.1)	26.3 (17.2-36.2)
30-day	7.05 (5.89-8.41)	8.56 (7.25-10.1)	11.0 (9.30-13.1)	13.1 (10.8-15.7)	15.9 (12.5-19.5)	18.0 (13.7-22.6)	20.2 (14.9-25.9)	22.6 (16.0-29.5)	25.8 (17.5-34.6)	28.4 (18.6-38.7)
45-day	8.33 (7.00-9.87)	10.0 (8.56-11.8)	12.8 (10.9-15.2)	15.1 (12.6-18.1)	18.3 (14.5-22.3)	20.7 (15.8-25.7)	23.1 (17.0-29.3)	25.6 (18.2-33.1)	29.0 (19.7-38.5)	31.6 (20.8-42.7)
60-day	9.43 (7.96-11.1)	11.3 (9.70-13.3)	14.4 (12.3-16.9)	16.9 (14.1-20.1)	20.4 (16.2-24.7)	23.0 (17.6-28.4)	25.6 (18.9-32.3)	28.3 (20.2-36.4)	31.9 (21.7-42.0)	34.6 (22.8-46.5)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

Estimates from the table in CSV format: [Precipitation frequency estimates](#)

Main Link Categories:
[Home](#) | [OWP](#)

US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Office of Water Prediction (OWP)
1325 East West Highway
Silver Spring, MD 20910
Page Author: [HDSC webmaster](#)
Page last modified: April 21, 2017

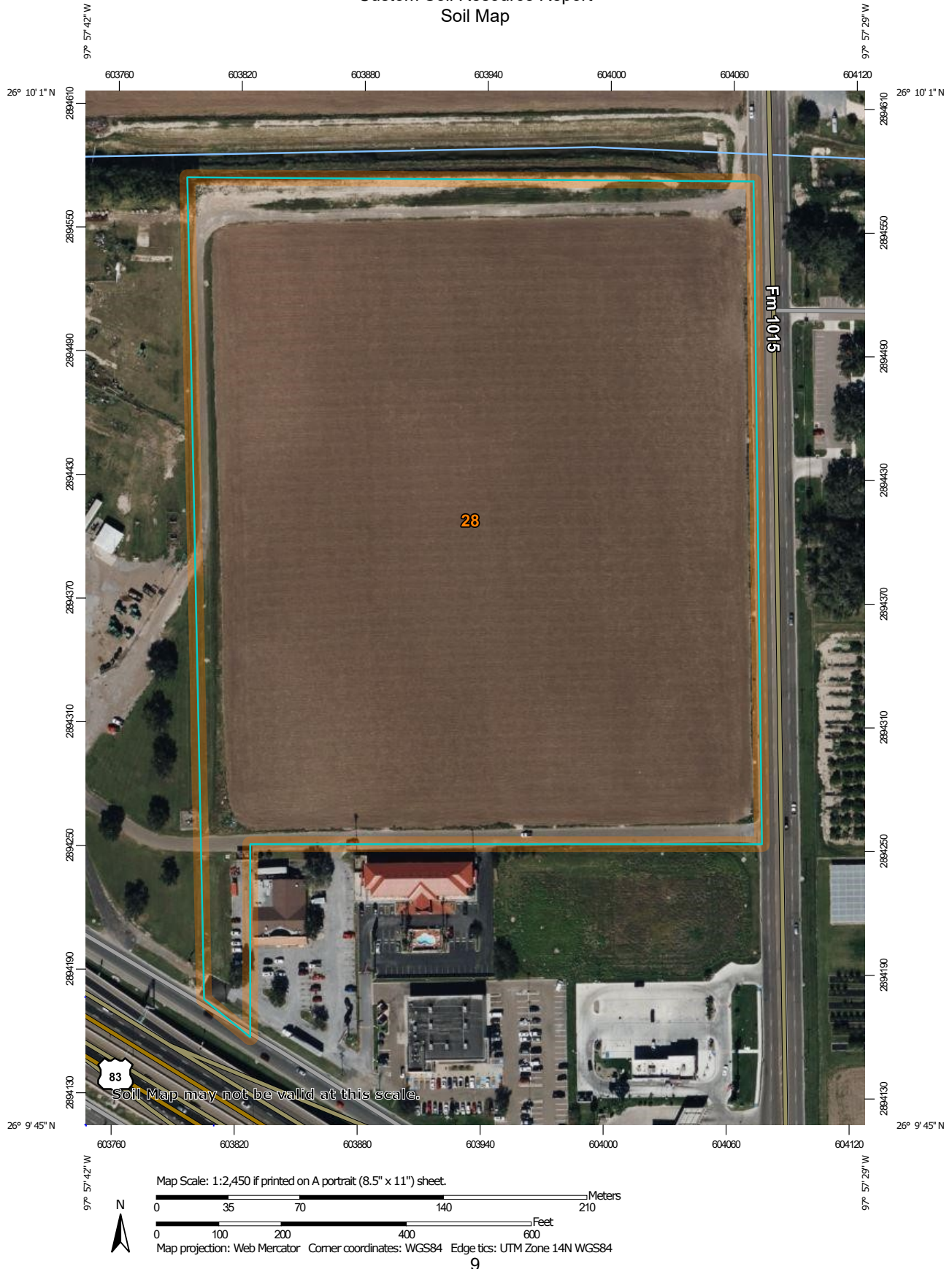
Map Disclaimer
Disclaimer
Credits
Glossary

Privacy Policy
About Us
Career Opportunities

USDA SOIL MAP & DESCRIPTION



Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

Other Features

- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hidalgo County, Texas
Survey Area Data: Version 23, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 21, 2021—Mar 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
28	Hidalgo sandy clay loam, 0 to 1 percent slopes	22.5	100.0%
Totals for Area of Interest		22.5	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

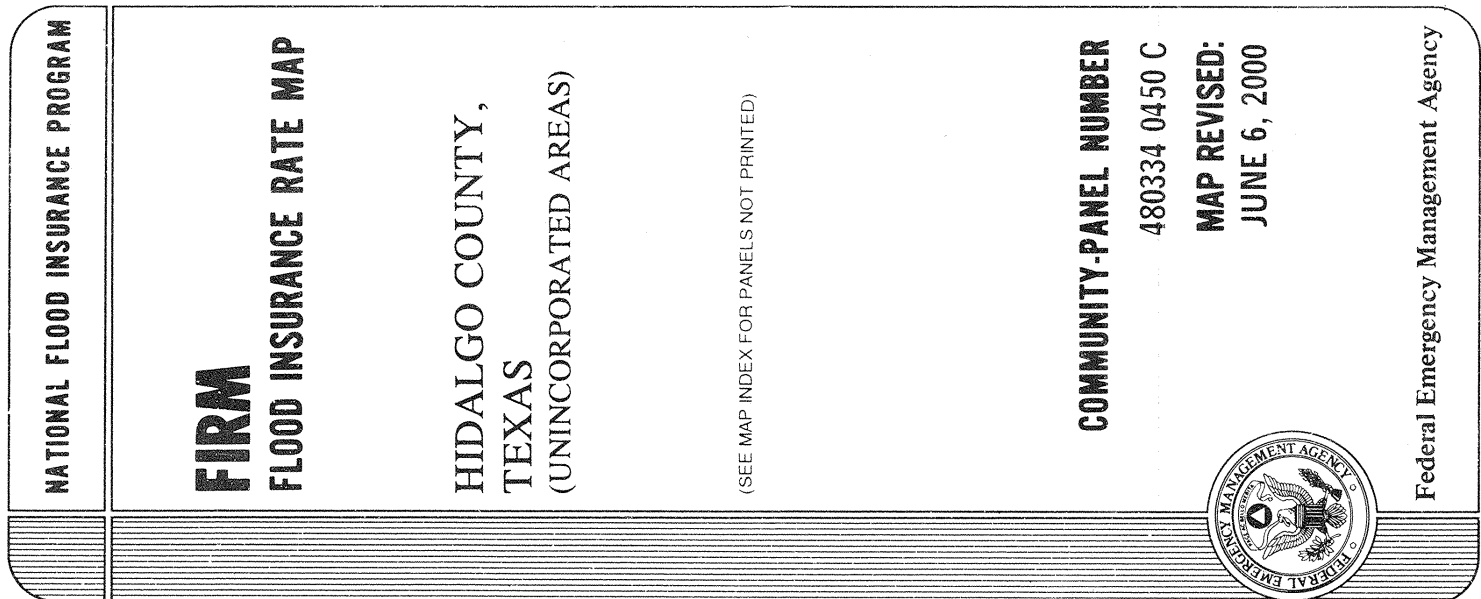
An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

FEMA FIRM MAP





EXISTING DRAINAGE MAP



PROJECT: JAR
PROJECT ASSOC.: JAH
DRAWN BY: JAH
DATE: 07/21/2025

PROJ. NAME: JAR
PROJECT ASSOC.: JAH
DRAWN BY: JAH
DATE: 07/21/2025

PROJ. NAME: JAR
PROJECT ASSOC.: JAH
DRAWN BY: JAH
DATE: 07/21/2025

32
6011280009

SHEET

SAMS CLUB - NO. 4811

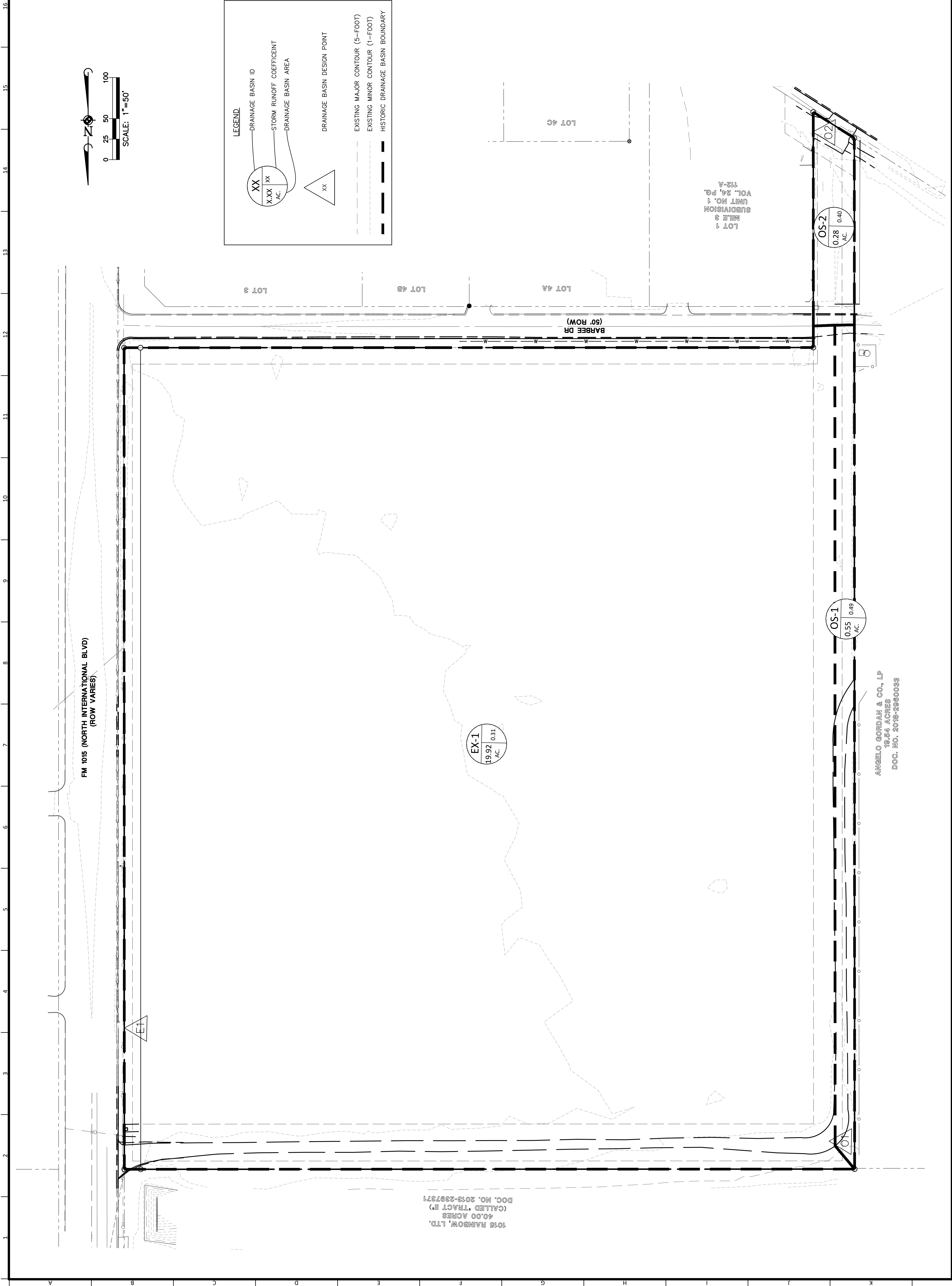
BARBEE DR AND FM 1015 - CITY OF WESLACO, TEXAS

EXISTING DRAINAGE MAP

8144 Walnut Hill Lane, Suite 750, Dallas, TX 75231 ph:972.972.4250 manhard.com
Civil Engineers | Surveyors | Water Resource Engineers | Water & Waste Water Engineers
Construction Managers | Environmental Scientists | Landscape Architects | Planners
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Surv.), F-21722 (Eng.)

Manhard
CONSULTING

DATE	REVISIONS	DRAWN BY
08/26/25	CONSTRUCTIVE CHANGE DIRECTIVE 1	ALM
07/21/25	ADDENDUM 1	NH
06/23/25	REVISED PER CITY COMMENTS	ALM
02/07/25	REVISED PER CITY COMMENTS	ALM



PROPOSED DRAINAGE AREA MAP



33

6011280009

PROJ. NAME: JAR

PROJ. ASSOC.: JAH

DRAWN BY: JAH

DATE: 07/21/2025

SHEET

SAMS CLUB - NO. 4811

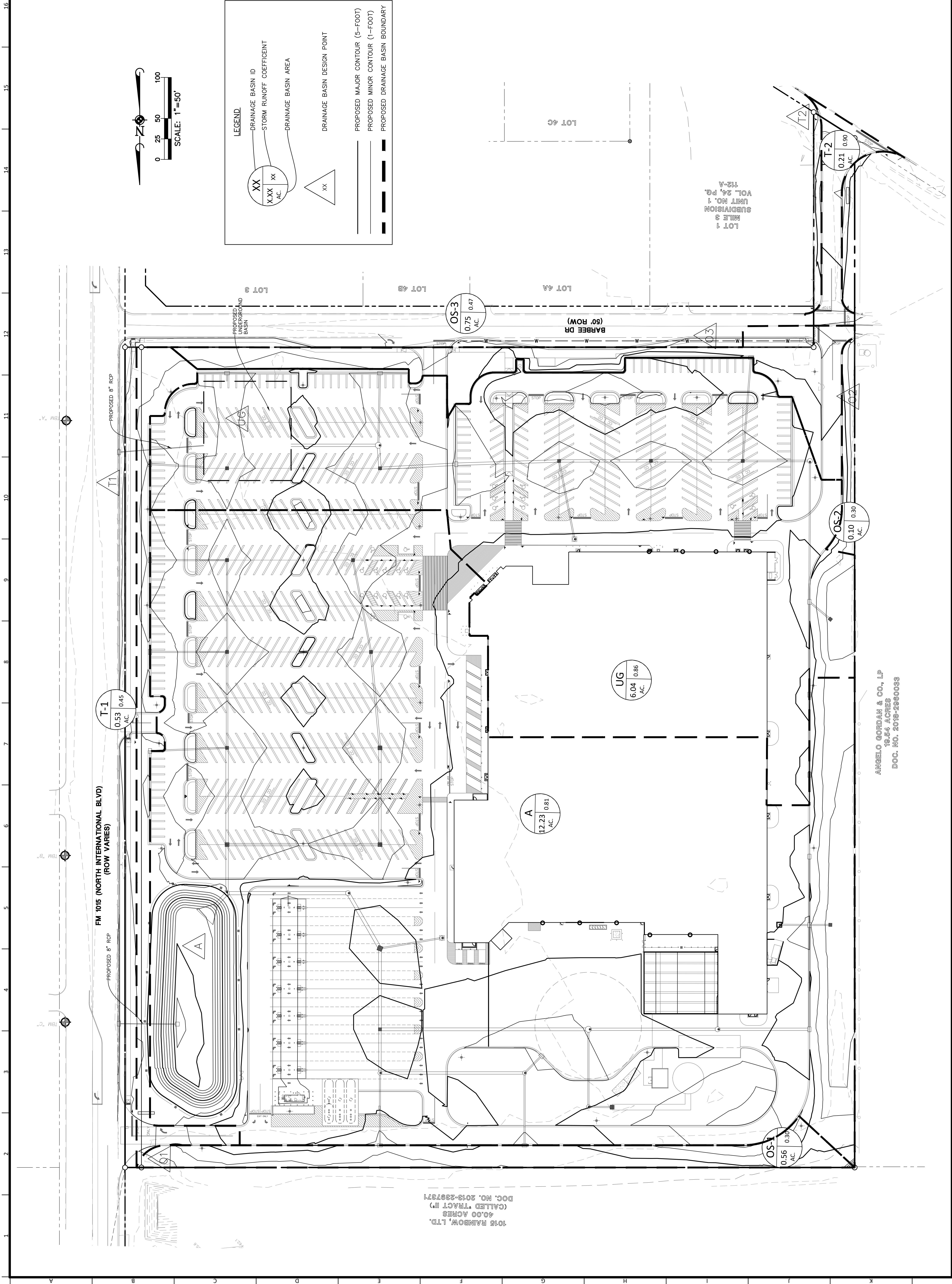
BARBEE DR AND FM 1015 - CITY OF WESLACO, TEXAS

PROPOSED DRAINAGE MAP

8144 Walnut Hill Lane, Suite 750, Dallas, TX 75231 ph:972.972.4250 manhard.com
Civil Engineers | Surveyors | Water Resource Engineers | Water & Waste Water Engineers
Construction Managers | Environmental Scientists | Landscape Architects | Planners
Texas Board of Professional Engineers & Land Surveyors Reg. No. F-10194754 (Survey), F-21722 (Eng)

manhard
CONSULTING

DATE	REVISIONS	DRAWN BY
08/26/25	CONSTRUCTIVE CHANGE DIRECTIVE 1	ALM
07/21/25	ADDENDUM 1	NH
06/23/25	REVISED PER CITY COMMENTS	ALM
02/07/25	REVISED PER CITY COMMENTS	ALM



ANGELO GORDAN & CO., LP
18.64 ACRES
DOC. NO. 2018-2360033

1015 RAINBOW, LTD.
40.00 ACRES
(CALLED TRACT II)
DOC. NO. 2018-2397371

SUBDIVISION PLAT



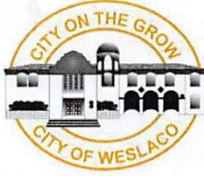
DRAINAGE LAYOUT





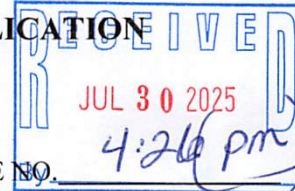
Planning & Zoning Commission Standardized Agenda Request Form

Date of Meeting: September 3, 2025	Agenda Item No. (to be assigned by PCE): V.B.
From: Rebekah de la Fuente, Planning Director, on behalf of Melden & Hunt, Inc.	
Subject/Agenda Item: Discussion and consideration for the Final Plat for Vaquero Weslaco Subdivision being a 1.750-acre tract of land out of Farm Tract 143, West Tract Subdivision, Hidalgo County, Texas. Located on Northwest corner of W. Sugarcane Dr. and Westgate Dr. Possible Action.	
Discussion/Overview: The proposed one (1) lot subdivision is located inside the City of Weslaco. This subdivision is being serviced with water by North Alamo Water Supply through an 8" waterline and sewer by City of Weslaco through a 15" sewer line. The property is within a Flood Zone "X".	
If item requires Publication Notice, provide date and periodical of publication; indicate if comments received from letters mailed to property owners: N/A	
Staff recommendation for Commission's Action: Staff recommends approval of Final Plat.	
Additional Action Prompted: ☒ Mayor's Signature ☐ Public Hearing ☐ Budget Amendment ☐ Resolution ☐ Ordinance – First Reading ☐ Ordinance – Final Reading	
Advisory Review, (if any): (name of board/committee, date of action, recommendation): N/A	
If item previously considered, provide date and action by Commission: N/A	
Attachments,(if any): Application for Subdivision platting, Staff's comments, Drainage Report, Subdivision Plat and Utility layout.	
Responsibilities upon Commission's Action: Planning staff will advise applicant.	



SUBDIVISION PLATTING APPLICATION

PLAT-000896-2025



The Planning & Zoning Commission meets every 1st Wednesday of each month at 5:30 pm.

The City Commission meets every 1st and 3rd Tuesday of each month at 5:30 pm

FILE NO.

This form shall be completed by the Property Owner or Applicant and submitted to the Planning Department along with the required number of copies of the respective plat, review fee and all other required information listed below and in the Subdivision Ordinance. The submittal of an application does not constitute acceptance for processing until the staff reviews and determines the application is complete.

STAFF USE ONLY

☐ Single Lot Variance ☐ Minor Plat ☐ Planned Unit Development ☐ Standard Subdivision

GENERAL INFORMATION

Name of Subdivision: Vaquerio Weslaco Subdivision

Location: Northwest corner of W. Sherman Dr & Westgate Dr.

Legal Description: 1.750 Acres Old Farm Tract 143, West Tract 510

Is subdivision inside city limits? ☒ YES ☐ NO

If subdivision is in the ETJ, indicate? ☐ 3.5 Mile ☐ 5 Mile

If no submit letter of Annexation (Contiguous or Consensual)

Existing Zoning: Proposed B-2, Commercial

Existing Land Use: Open Proposed Land Use: Commercial

Number of Lots Proposed: 1 Gross Acreage: 1.750

Title Report Submitted: ☐ YES ☐ NO

OWNER INFORMATION

Owner's Name: Vaquerio Weslaco Westgate Partners, LP Telephone: (817) 304-9948

Address: 2627 Tiller Street, Ste. 111 Fax: _____

City: Fort Worth State: Tx Zip: 76107 E-mail: kmrasssey@vaquerioventures.com

ENGINEER INFORMATION

Name: Melden & Hunt Inc. Telephone: (956) 381-0981

Address: 115 W. McFadyen St. Fax: _____

City: Edinburg State: Tx Zip: 78541 E-mail: maric.meldenandhunt.com

255 S. KANSAS AVE ■ WESLACO, TEXAS 78596-6285 ■ 956-447-3401 ■ (Fax) 956-973-3128 ■ WWW.WESLACOTX.GOV

UTILITY PROVISIONS

Will proposed subdivision connect to:

- ☒ YES ☐ NO Water Provision: NWSC
- ☒ YES ☐ NO Wastewater Provision: City of Weslaco
- ☒ YES ☐ NO Electric Company: MVEC

☒ YES ☐ NO Phone Utility <u>Frontier Comm.</u>	☒ YES ☐ NO Gas Utility	☒ YES ☐ NO Cable Utility
---	---	---

Proposed subdivision is in the following districts:

☒ YES ☐ NO Drainage District <u>HCD#1</u>	☒ YES ☐ NO Irrigation District <u>HCC#9</u>
--	--

Has the property been assessed as flat rate irrigable property: ☐ YES ☐ NO

Have Water Rights been conveyed to City/Water Supplier? ☐ YES ☐ NO

(Attach written proof of such assessment or that it has never been assessed as such a property) If YES, attach an estimate from the irrigation district of the proportional water rights for the subdivision as calculated under Texas Water Code § 49.505.

SUBMITTALS REQUIRED FOR MINOR PLAT REVIEW

- _____ Two (2) sets of plats **folded and stapled** (24 x 36) and forward a copy in PDF format to rdelafuente@weslacotx.gov
- _____ PDF copy of all documents submitted (emailed or USB)
- _____ \$355.00 Planning Review fee, \$100.00 Fire Review fee
- _____ One 11" X 17" reduced copy of plat
- _____ Plat Layout
 - _____ Existing & Proposed Easements
 - _____ Existing & Proposed ROW
 - _____ Existing & Proposed Drainage Easements
 - _____ Contours
 - _____ Flood Zones
 - _____ Adjoiners
 - _____ Existing street names
- _____ Drainage plans and calculations with engineer's seal
 - _____ Elevations
 - _____ Flood directional arrows
 - _____ Detention areas
 - _____ Street names
- _____ Proof of ownership of the property
- _____ If septic tank system required, submit soil evaluation report
- _____ Water Rights associated with the property
- _____ Tax Receipt for all taxing entities showing that taxes are paid in full

SUBMITTALS REQUIRED FOR PRELIMINARY (P & Z)

- ☒ Twelve (12) sets of preliminary plat **folded and stapled** (24 x 36) and forward a copy in PDF format to rdelafuente@weslacotx.gov
- ☒ PDF copy of all documents submitted (emailed or USB)
- ☒ \$355.00 Planning Review fee, \$100.00 Fire Review fee
- ☒ One 11" X 17" reduced copy of plat
- ☒ Plat Layout
 - ☒ Existing & Proposed Easements
 - ☒ Existing & Proposed ROW

- ☒ Existing & Proposed Drainage Easements
- ☒ Contours
- ☒ Flood Zones
- ☒ Adjoiners
- ☒ Existing & Proposed street names
- ☒ Utility Layout
- ☒ Existing & Proposed Utilities
- ☒ Proposed Fire Hydrants
- ☒ Adjoiners
- ☒ Street names
- ☒ Drainage plans and calculations with engineer's seal
- ☒ Elevations
- ☒ Flood directional arrows
- ☒ Detention areas
- ☒ Street names
- ☒ Proof of ownership of the property
- ☒ If septic tank system required, submit soil evaluation report
- ☒ Water Rights associated with the property
- ☒ Tax Receipt for all taxing entities showing that taxes are paid in full
- ☒ Number of fire hydrants proposed for subdivision

SUBMITTALS REQUIRED FOR FINAL (P & Z) **Will not apply to Single Lot Variance**

- ☒ Twelve (12) sets of plans **FOLDED & STAPLED** (24 x 36) & PDF copy **with all corrections**
- ☒ Plats to be sealed by Professional Engineer
- ☒ Approved Drainage Report

SUBMITTALS REQUIRED FOR FINAL (City Commission)

- ☒ One set of 8 ½ x 11 of plat and utilities with all corrections done

SUBMITTALS REQUIRED FOR PRE-CONSTRUCTION MEETING

- ☒ Seven (7) full sets of construction plans 24 x 36 and one (1) 11 x 17 with plan & profile.
- ☒ Material Testing are obtained by the city, developer will pay the full cost of the proposal
- ☒ \$85.00 per hour inspection fee to be billed monthly
- ☒ Traffic Impact Analysis (If required)
- ☒ Notice of Intent
- ☒ SW3P

SUBMITTALS REQUIRED FOR RECORDING OR HIDALGO COUNTY PLANNING

- ☒ Electronic file of final plat and as-builds
- ☒ Reproducible plat to be recorded with all required signatures
- ☒ Checks or Receipts: HCCID #9; HCDD #1; County Clerk
- ☒ Tax certificates
- ☒ Memo from engineering inspector releasing subdivision
- ☒ Water Rights shall be paid prior to recordation at \$2,896.81 per acre ft
- ☒ 30 Year Water and 30 Year Sewer Service Agreements
- ☒ Park dedication/Fees in lieu of

SUBMITTALS REQUIRED FOR RECORDING BY SECURITY

- ☒ Sealed engineering cost estimates
- ☒ Letter of Credit/Performance Bond/Escrow

**** Any revisions requested would require resubmission of plats and reduced copy reflecting changes.**

AUTHORIZATION AND ACKNOWLEDGEMENTS

I certify that I am the actual owner of the property described above and this application is being submitted with my consent (include corporate name if applicable); and the following person listed below is my authorized agent to act on my behalf.

I certify that the above information is correct and complete to the best of my knowledge. I understand that I must comply with all applicable local, state, and federal regulations.

Owner Printed Name: _____

Owner Signature: _____ Date: _____

Melden & Hunt, Inc. _____ is the authorized agent

Authorized Agent Signature:  Digitally signed by Mario Reyna
Date: 2025.07.30 15:11:30 -05'00' Date: 7-30-25

Authorized Agent Printed Name: Mario A. Reyna, P.E. _____

THIS PAGE FOR STAFF USE ONLY

.....

Date Received: _____ Received By: _____ Date Paid: _____

P & Z Commission Approval on Preliminary Plat: _____

P & Z Commission Approval on Final Plat: _____

City Commission Approval on Final Plat: _____

Preconstruction Meeting Date: _____

Date Recorded: _____ Instrument No. _____

General Comments: _____



PLAN CORRECTIONS REPORT PAR-000877-2025 FOR CITY OF WESLACO

PLAN ADDRESS: Vaquero Weslaco Subdivision
Weslaco, TX 78596

PARCEL:

APPLICATION DATE: 07/01/2025 **SQUARE FEET:** 0.00 **DESCRIPTION:** VAQUERO WESLACO SUBDIVISION

EXPIRATION DATE: 07/01/2026 **VALUATION:** \$0.00

CONTACTS	Name	Company	Address
Engineer	MARIO REYNA	MELDEN & HUNT INC	W 115 McIntyre St Edinburg, TX 78541
Owner		VAQUERO WESLACO WESTGATE PARTNERS, LP	2627 Tillar , Ste 111 Fort Worth, 76107

Pre-Application Subdivision Review

REVIEW ITEM	STATUS	REVIEWER
Building Review - Planning v.1 Building Review - Planning	Approved	Felix Salazar email: fsalazar@weslacotx.gov
Engineering v.1 Review conducted by the engineering department	Requires Re-submit	Peter Hermida Ph: 9569683181 email: phermida@weslacotx.gov
Engineering v.2 Review conducted by the engineering department	Approved	Peter Hermida Ph: 9569683181 email: phermida@weslacotx.gov
Fire Review v.1 Review by the fire department	Approved with Comments	Mike Swinnea email: mswinnea@weslacotx.gov
Planning/Zoning v.1 Review conducted by the planning and zoning department	Requires Re-submit	Kayla Arevalo email: karevalo@weslacotx.gov
Planning/Zoning v.2 Review conducted by the planning and zoning department	Approved with Comments	Kayla Arevalo email: karevalo@weslacotx.gov
Police v.1 Review conducted by the police department	Not Required	System Administrator Ph: 444 email: admin@energov.com
Public Works v.1 Public Works	Approved with Comments	Marcelo Cosme Ph: 956-973-3146 email: mcosme@weslacotx.gov

PLAN CORRECTIONS REPORT (PAR-000877-2025)

CONDITION(S) General Condition - Public Works

Comment: Water is north alamo they have an 8" on the east side of Westgate and a 6" on the south side of mile 9.
Sewer run on the south bound lane on Westgate

General Condition - Planning 2nd revisions

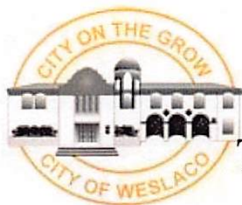
Comment: 1. Metes and bounds description must match plan view as provided(Paragraph 4)
2. Include all appropriate signature lines. Missing Mayor, P&Z Chairman and remove administer/director
3. Right-of-way dedications must be in compliance with Hidalgo County and city of Weslaco thoroughfare map. (60 from center line of Westgate)
4. add plat note: A 5ft. sidewalk is required along exterior perimeter upon the issuance of a notice to proceed.
5. (buffer fence is a requirement as per Sec 26-40) add plat note: minimum six-foot buffer fence shall be required along any natural and/or manmade hazard such as an open canal, open ditch, caliche pit, and holding pond

Shall have fire hydrant within 400'. Shall have 4 ½" outlet facing the street with 18" to 24" clearance from bottom of outlet to grade level for hydrant wrench - Shall have fire hydrant within 400'. Shall have 4 ½" outlet facing the street with 18" to 24" clearance from bottom of outlet to grade level for hydrant wrench. Hydrants shall be marked on the streets with reflective blue marker to show location of hydrants. Hydrants shall have 3' clearance from any fences, poles, brush, etc.

Comment: Fire hydrant shall be in place, meeting this requirement, prior to any development of Lot.

General Condition - Planning revisions required

Comment: 1. Metes and bounds description must match plan view as provided
2. add plat note: Finished Floor Elevations established must be higher than _____ or 18" above top of curb or center line of street, whichever is greater, measured from the center of the lot.
3. update plat note 4 to read as follows: In accordance with the Hidalgo County Drainage District No. 1 and Hidalgo County requirements, this development will be required to detain a total of _____ cubic feet (_____ acre-feet) of storm water runoff. Drainage detention in accordance with the local requirements will be accomplished as follows: The developer shall be responsible to detain and accommodate more than the detained volume shown above if it determines at the development permit stage that the detention requirements are greater than stated above due to the impervious area being greater than the engineer considered for his calculation of this subdivision.
4. Identify benchmark on plat
5. Contours must be shown on plat every foot
6. Must update plat sheet to show detention area
7. Include all appropriate signature lines. Missing Mayor, P&Z Chairman
8. Right-of-way dedications must be in compliance with Hidalgo County and city of Weslaco thoroughfare map.
9. add plat note : All drainage easements shall be private within the property lines and maintained by property owners/HOA.
10. add plat note: No permanent structures are permitted over any easements. Easements shall be kept clear of buildings, sheds, shrubs, trees and other plantings (except low, less an 18" mature heights, ground cover, grass or flowers) and other obstructions that would interfere with the operations and maintenance of the easement
11. add plat note: A 5ft. sidewalk is required along exterior perimeter upon the issuance of a notice to proceed.
12. Add plat note : Landscaping is required per city ordinance.
13. add plat note: Corners lot driveways should be constructed at furthest possible point from intersections and in compliance with access management ordinance.



**City of Weslaco
Engineering Division**
255 S. Kansas ♦ Weslaco, TX 78570 ♦ (956)

TRIP GENERATION WORKSHEET

Complete parts A and B as an aid to determine if your project requires a Traffic Impact Analysis (TIA).

A. Subdivision Information

Subdivision Name: Vaquero Weslaco
 Location: Northwest Corner of Westgate Drive & W. Sugarcane Drive
 Applicant: ALJ Lindsey, LLC ☐ Owner ☒ Agent
 Address: 18635 N Eldridge Pkwy Ste 200 Phone Number: 346.235.3232

B. Trip Generation Calculation

The texts needed to complete this table are available at the Planning Department. See back of sheet for more information.

ITE Code	Anticipated Land Use	Project Size			AM Peak Hour Trips	PM Peak Hour Trips	Weekday Trips
		Acres	GFA	# of Units			
945	Convenience Store/Gas Station	1.75	4,816	12 (VFP)	324	287	3,086

Comments: Independent Variable = Vehicle Fueling Positions
 Prepared by: ALJ Lindsey, LLC - Kevin Dew, P.E. 07/01/25 Date:
 Address: 18635 N Eldridge Pkwy Ste 200 Tomball, TX Phone Number: 346.235.3232

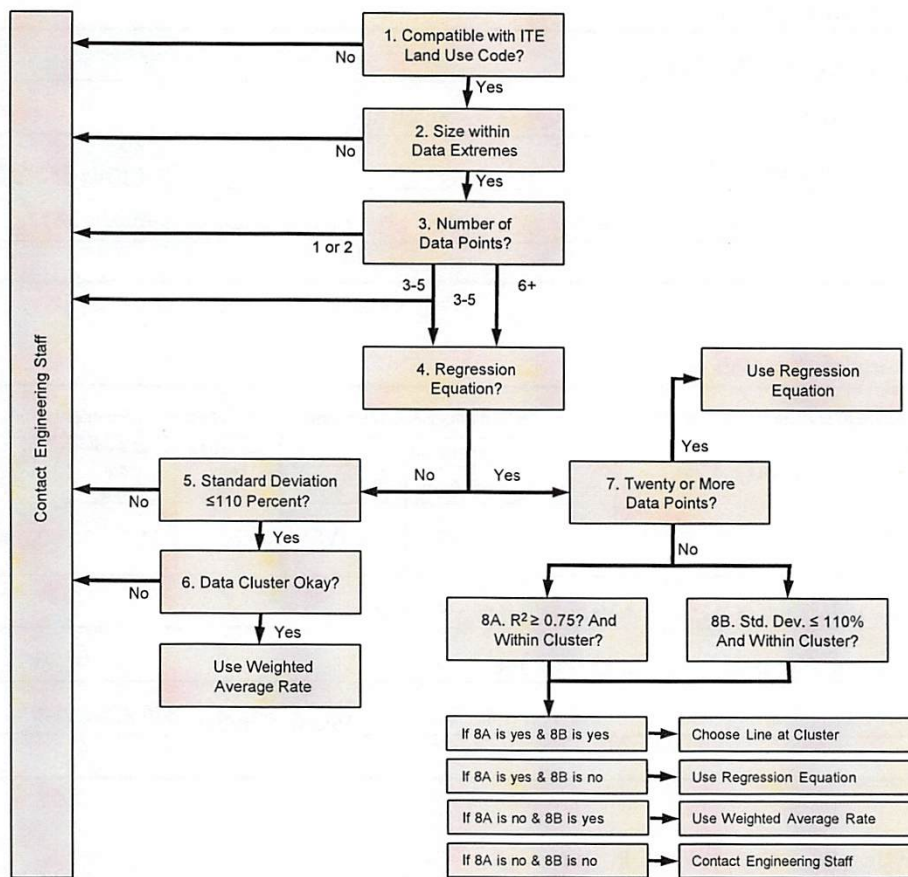
(For Official Use Only, Do Not Write In This Box)

- _____ A traffic impact analysis is required. The agent preparing the study must meet with City staff to discuss the scope and requirements of the study before beginning the study.
 _____ A traffic impact analysis is not required. The traffic generated by the proposed development does not exceed the threshold requirements.

Comments:

Reviewed by: _____ Date: _____ STID#: _____

Recommended Procedure for Selecting Between Trip Generation Average Rates and Equations



From ITE Trip Generation Handbook

City of Weslaco
Engineering Division
255 S. Kansas Ave
Weslaco, TX 78596
(956)
(956) 973-3128 (fax)

FIRM NAME: MELDEN & HUNT, INC.
TBPELS FIRM #F1435
TITLE: VAQUERO WESLACO SUBDIVISON
PREPARED BY: MARIO A. REYNA, P.E.
DATE: JULY 1, 2025



MAR
7-1-25

INDEX

- 1. Drainage Statement**
- 2. Drainage Calculations**
- 3. Weighted “c” value**
- 4. Table of concentration**
- 5. Location Map**
- 6. Subdivision Plat**
- 7. USGS Topographical Map**
- 8. Rainfall Intensity Table**
- 9. USDA Soils Map**
- 10. USDA Soils Legend & Description**
- 11. FEMA FIRM with site location**



TBPELS Firm # F-1435
TBPELS # 10096900

MELDEN & HUNT INC.

CONSULTANTS • ENGINEERS • SURVEYORS

MARIO A. REYNA • ALLAN F. BOOE • ROBERTO N. TAMEZ • RUBEN JAMES DE JESUS • MICHAEL HERNANDEZ

Drainage Statement
VAQUERO WESLACO SUBDIVISION
Project #25057.00 Date: July 1, 2025

Vaquero Weslaco Subdivision A tract of land containing 1.750 acres situated in the City of Weslaco, Hidalgo County, Texas, consisting of 1.750 acres out of Farm Tract 143 West Tract Subdivision, according to the plat thereof recorded in Volume 2, Page 34-37, Hidalgo County Map Records. This subdivision is located in flood Zone "X" (Unshaded). Zone "X" (unshaded) are areas determined to be outside the 500-year flood plain. Community panel No. 480334 0450 C, effective date: June 6, 2000, last revision date: October 5, 2018. The property is located on the Northwest corner of West Sugarcane Road (Mile 9 Rd N) and Westgate Drive. The property is currently open with a proposed use of a single commercial lot, currently in the City of Weslaco, Texas.

The soils in this area consists mostly of Hidalgo sandy clay loam with 0 to 1 slopes, which are in Hydrologic Group "B". For the purpose of this report, we will use soil type "B", the most common soil on the site. These soils have moderate infiltration rate when thoroughly wet. (See excerpts from "Soil Survey of Hidalgo County, Texas").

Existing runoff is in a southernly direction, with a runoff of 2.15 c.f.s. during the 10-year storm frequency as per the attached calculations. Proposed runoff after development is 11.97 c.f.s., during the 50-year storm frequency, per the attached calculation, which is an increase of 9.82 c.f.s.

The proposed drainage for this subdivision shall consist of surface runoff from roofs into the proposed parking areas and collected by type "C" inlets located at key points within the subdivision. The proposed storm system shall discharge into a proposed detention pond which will be designed at building permit stage.

In accordance with the Hidalgo County drainage policy, the peak rate of runoff in the subdivision will not be increased during the 50-year rainfall event due to the improvements in this subdivision. Therefore, as per attached calculations, 13,977 cubic feet of detention will be required as per Hidalgo County Drainage District requirements.

M. A. Reyna 7-1-25

Mario A. Reyna, P.E. #117368



Date:

DRAINAGE REPORT

PROJECT NAME: **VAQUERO WESLACO SUBDIVISION** # of Lots: **1**
PROJECT NUMBER: **25057.00**
DATE: **July 1, 2025**

I. Existing Condition-10 year

Ex. Area: **76,230.00** sf
1.75 ac

Int. Coeff. "k" **0.213** Table 3-2
K_u 3.28
Length **255** ft
Velocity 0.270582 ft/sec

Slope **0.15** %
tc : 15.71 min
Rainfall Intensity (10yr) 6.150 in/hr
c factor 0.200
Q peak existing condition: 2.15 cfs

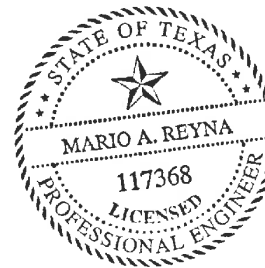
II. Future Condition-50 year

Future area: 76,230.00 sf
1.75 ac
Slope **0.15** %
tc : **11.42** min
Rainfall Intensity (50yr) 9.773 in/hr
c factor 0.700
Q future cond. = Aci = i * = 11.97 * 0.70
1.225 i

time min.	time hour	i in/hr	Qin cfs	Vin cf	Qout cfs	Vout cf	REQ'D V cf
5	0.08	12.477	15.28	4585	2.15	1061	3525
10	0.17	10.253	12.56	7536	2.15	1383	6153
15	0.25	8.761	10.73	9659	2.15	1706	7953
25	0.42	6.864	8.41	12613	2.15	2352	10261
35	0.58	5.697	6.98	14656	2.15	2998	11658
45	0.75	4.899	6.00	16203	2.15	3644	12560
55	0.92	4.316	5.29	17447	2.15	4289	13158
65	1.08	3.869	4.74	18484	2.15	4935	13549
75	1.25	3.514	4.30	19371	2.15	5581	13790
85	1.42	3.226	3.95	20154	2.15	6227	13928
95	1.58	2.986	3.66	20850	2.15	6873	13977
105	1.75	2.782	3.41	21470	2.15	7518	13952
115	1.92	2.608	3.19	22044	2.15	8164	13880
125	2.08	2.456	3.01	22565	2.15	8810	13755
135	2.25	2.323	2.85	23050	2.15	9456	13594
145	2.42	2.205	2.70	23500	2.15	10101	13398
155	2.58	2.100	2.57	23924	2.15	10747	13177
165	2.75	2.006	2.46	24328	2.15	11393	12935
175	2.92	1.920	2.35	24696	2.15	12039	12657
185	3.08	1.843	2.26	25060	2.15	12685	12376
195	3.25	1.772	2.17	25397	2.15	13330	12067
205	3.42	1.707	2.09	25720	2.15	13976	11744
215	3.58	1.647	2.02	26027	2.15	14622	11405
225	3.75	1.592	1.95	26328	2.15	15268	11060
235	3.92	1.541	1.89	26617	2.15	15913	10704

245	4.08	1.493	1.83	26885	2.15	16559	10326
255	4.25	1.448	1.77	27139	2.15	17205	9934
265	4.42	1.407	1.72	27405	2.15	17851	9554
275	4.58	1.368	1.68	27651	2.15	18497	9154
285	4.75	1.331	1.63	27881	2.15	19142	8739
295	4.92	1.297	1.59	28122	2.15	19788	8334
305	5.08	1.264	1.55	28336	2.15	20434	7902
315	5.25	1.233	1.51	28547	2.15	21080	7467
325	5.42	1.204	1.47	28761	2.15	21725	7035
335	5.58	1.177	1.44	28981	2.15	22371	6609
345	5.75	1.150	1.41	29161	2.15	23017	6144
355	5.92	1.125	1.38	29354	2.15	23663	5691
365	6.08	1.102	1.35	29564	2.15	24309	5255
375	6.25	1.079	1.32	29740	2.15	24954	4786
385	6.42	1.057	1.29	29910	2.15	25600	4310
395	6.58	1.037	1.27	30107	2.15	26246	3861
405	6.75	1.017	1.25	30274	2.15	26892	3382
415	6.92	0.998	1.22	30441	2.15	27537	2904
425	7.08	0.980	1.20	30613	2.15	28183	2430
435	7.25	0.962	1.18	30758	2.15	28829	1929
445	7.42	0.946	1.16	30941	2.15	29475	1467
455	7.58	0.930	1.14	31102	2.15	30121	981
465	7.75	0.914	1.12	31238	2.15	30766	472

Storage Required: 13,977 cf
Storage Required: 0.321 Ac.-Ft.
w/ release rate of: 2.15 cfs
Storage / Ac. Development: 0.183 Ac.Ft. per Ac.
Storage / Lot: 13977.23112 cf per lot



Handwritten signature and date:
7-1-25

Weighted "c" value				
Type of Drainage Area	"c" value:	Square Footage	Acreage	partial "c"
Residential				
Single Family (Lots less than 1/4 acre)	0.35		0.000	0.000
Single Family (Lots 1/4 to 1/2 acre)	0.3	-	0.000	0.000
Single Family (Lots greater than 1/2 acre)	0.25	-	0.000	0.000
Multi-Family (Less than 20 DU / AC)	0.5	-	0.000	0.000
Multi-Family (Greater than 20 DU / AC)	0.55	-	0.000	0.000
Business Districts:	0.75	-	0.000	0.000
Industrial				
Light areas	0.75	-	0.000	0.000
Heavy areas	0.75	-	0.000	0.000
Railroad yard areas	0.2	-	0.000	0.000
Roof/Building areas	0.75	4,816.00	0.111	0.083
Parks, cemeteries	0.1	-	0.000	0.000
Unimproved Areas				
Bare Surface	0.3		0.000	0.000
Grassland	0.25	-	0.000	0.000
Cultivated	0.2	19,776.00	0.454	0.091
Woodlands	0.15	-	0.000	0.000
Streets				
Asphalt	0.9	51,638.00	1.185	1.067
Concrete	0.9	-	0.000	0.000
Drives and walks	0.9		0.000	0.000
Total:		76,230.00	1.750	1.241
Weighted "c":			0.709	

$$C_W = (C_1A_1 + C_2A_2 + C_3A_3 + \dots C_nA_n) / A_{\text{total}}$$

C_W = Weighted Runoff Coefficient (Composite Coefficient)

C_n = Runoff Coefficient n-th term

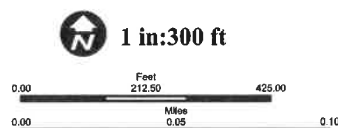
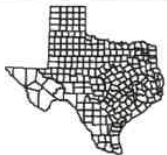
A_n = Area of n-th term

A_{total} = Total Area (acres)

A_{total} = Total Area (acres)



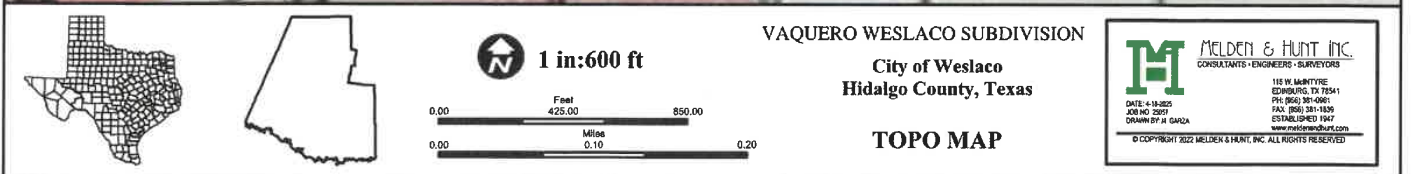
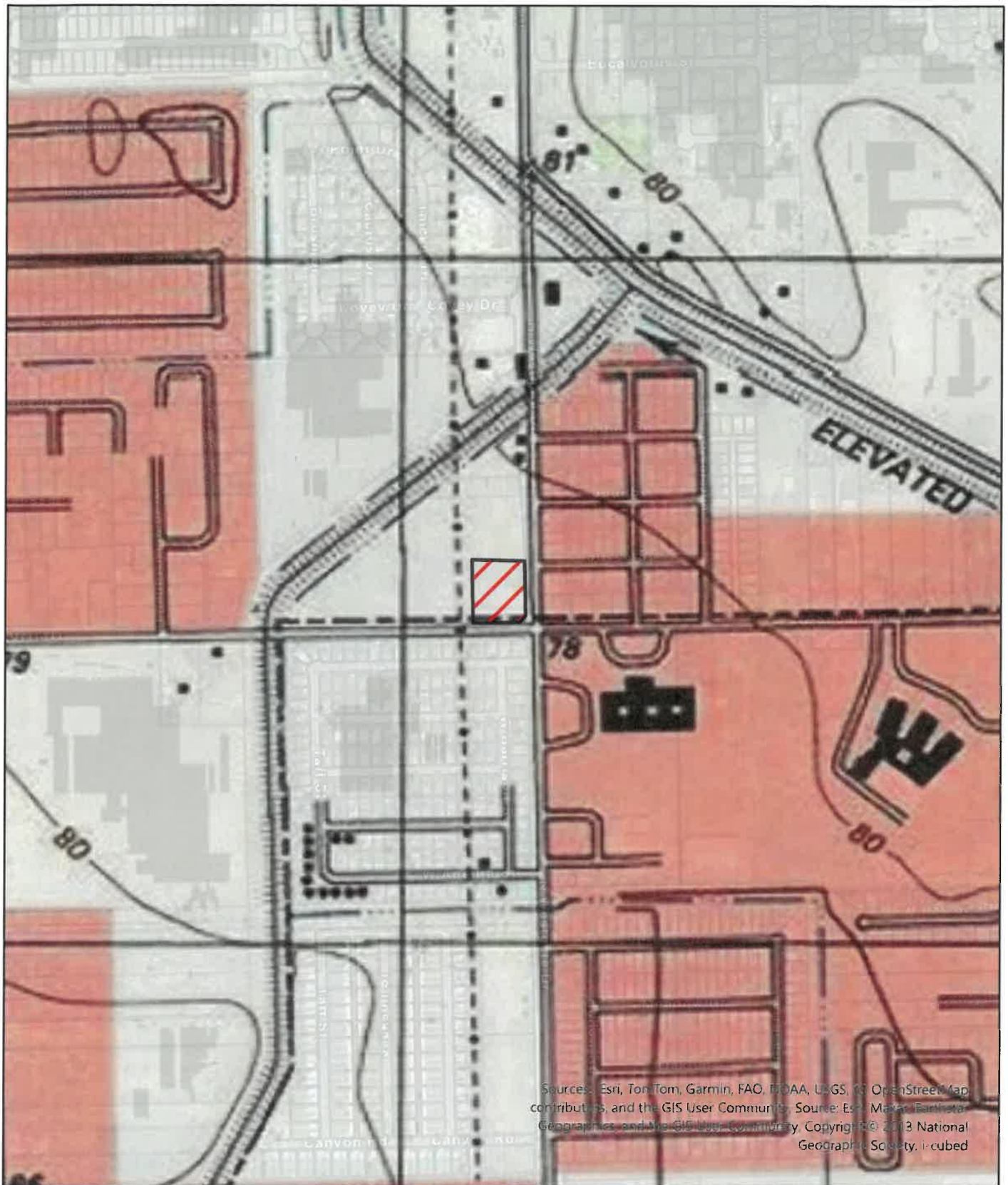
Source: Esri, TerraMetrics, Garmin, FAO, NOAA, USGS, OpenStreetMap contributors, and the GIS User Community. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



VAQUERO WESLACO SUBDIVISION
City of Weslaco
Hidalgo County, Texas

LOCATION MAP

M MELDEN & HUNT, INC.
CONSULTANTS • ENGINEERS • SURVEYORS
115 W. MCINTYRE
EDWING, TX 78541
PH: (361) 381-0081
FAX: (361) 381-1370
ESTABLISHED 1947
www.meldenandhunt.com
© COPYRIGHT 2022 MELDEN & HUNT, INC. ALL RIGHTS RESERVED



Appendix 1.0 **HIDALGO COUNTY RAINFALL INTENSITY TABLES**

based on "NOAA Atlas 14 Precipitation-Frequency Atlas of the United States, Vol. 11 Version 2.0:Texas"

$$\text{formula } I = b/(t_c + d)^e$$

TIME	2 yr.	5 yr.	10 yr.	25 yr.	50 yr.	100 yr.
1	7.109	9.484	11.251	13.548	15.264	16.907
2	6.690	8.934	10.609	12.798	14.442	16.030
3	6.322	8.449	10.043	12.136	13.713	15.250
4	5.996	8.019	9.541	11.546	13.062	14.551
5	5.704	7.635	9.091	11.017	12.477	13.921
6	5.442	7.289	8.686	10.539	11.948	13.349
7	5.205	6.976	8.319	10.106	11.467	12.828
8	4.989	6.692	7.985	9.710	11.027	12.351
9	4.792	6.432	7.680	9.348	10.624	11.913
10	4.611	6.193	7.399	9.015	10.253	11.508
11	4.445	5.973	7.141	8.707	9.910	11.133
12	4.291	5.770	6.901	8.422	9.591	10.785
13	4.149	5.581	6.679	8.157	9.295	10.460
14	4.016	5.406	6.472	7.910	9.019	10.157
15	3.892	5.242	6.279	7.679	8.761	9.873
16	3.777	5.089	6.099	7.463	8.518	9.606
17	3.669	4.946	5.929	7.260	8.291	9.355
18	3.567	4.811	5.770	7.069	8.076	9.119
19	3.471	4.684	5.620	6.889	7.874	8.896
20	3.381	4.564	5.478	6.719	7.683	8.684
21	3.296	4.451	5.344	6.558	7.502	8.484
22	3.215	4.344	5.217	6.406	7.330	8.294
23	3.138	4.243	5.097	6.261	7.167	8.113
24	3.066	4.146	4.983	6.124	7.012	7.941
25	2.997	4.054	4.874	5.993	6.864	7.778
26	2.931	3.967	4.771	5.868	6.724	7.621
27	2.868	3.884	4.672	5.749	6.589	7.472
28	2.809	3.804	4.578	5.635	6.461	7.329
29	2.752	3.728	4.487	5.526	6.338	7.192
30	2.697	3.656	4.401	5.422	6.220	7.060
31	2.645	3.586	4.318	5.322	6.107	6.934
32	2.594	3.519	4.239	5.226	5.998	6.813
33	2.546	3.455	4.163	5.134	5.894	6.697
34	2.500	3.394	4.090	5.045	5.794	6.585
35	2.456	3.335	4.019	4.960	5.697	6.477

TIME	2 yr.	5 yr.	10 yr.	25 yr.	50 yr.	100 yr.
36	2.413	3.278	3.952	4.878	5.604	6.374
37	2.372	3.223	3.887	4.799	5.515	6.274
38	2.332	3.170	3.824	4.722	5.428	6.177
39	2.294	3.119	3.763	4.649	5.345	6.084
40	2.257	3.070	3.705	4.578	5.264	5.993
41	2.222	3.023	3.648	4.509	5.186	5.906
42	2.188	2.977	3.593	4.443	5.111	5.822
43	2.154	2.933	3.541	4.379	5.038	5.740
44	2.122	2.890	3.489	4.316	4.968	5.661
45	2.091	2.848	3.440	4.256	4.899	5.584
46	2.061	2.808	3.392	4.198	4.833	5.510
47	2.032	2.769	3.345	4.141	4.769	5.438
48	2.004	2.731	3.300	4.086	4.706	5.368
49	1.976	2.694	3.257	4.033	4.646	5.300
50	1.950	2.659	3.214	3.981	4.587	5.233
51	1.924	2.624	3.173	3.931	4.529	5.169
52	1.899	2.590	3.133	3.882	4.474	5.107
53	1.874	2.558	3.094	3.835	4.420	5.046
54	1.850	2.526	3.056	3.788	4.367	4.987
55	1.827	2.495	3.019	3.743	4.316	4.929
56	1.805	2.465	2.983	3.700	4.266	4.873
57	1.783	2.436	2.948	3.657	4.217	4.818
58	1.762	2.407	2.914	3.615	4.170	4.765
59	1.741	2.379	2.880	3.575	4.124	4.713
60	1.721	2.352	2.848	3.535	4.079	4.662
65	1.627	2.227	2.698	3.351	3.869	4.425
70	1.544	2.115	2.564	3.187	3.682	4.215
75	1.469	2.015	2.444	3.041	3.514	4.025
80	1.402	1.924	2.336	2.908	3.363	3.854
85	1.342	1.843	2.238	2.788	3.226	3.699
90	1.286	1.768	2.149	2.679	3.100	3.557
95	1.236	1.700	2.067	2.578	2.986	3.427
100	1.190	1.638	1.992	2.486	2.880	3.307
105	1.147	1.580	1.923	2.401	2.782	3.196
110	1.108	1.527	1.859	2.322	2.692	3.093

where:	2yr	5yr	10yr	25yr	50yr	100yr
e=	0.8385	0.8215	0.8123	0.802	0.7952	0.789
b=	62.336	79.151	92.23	110	123.47	137.99
d=	12.322	12.233	12.329	12.6	12.858	13.318

Prepared By Melden & Hunt, Inc.

Appendix 1.0 (cont.)
HIDALGO COUNTY RAINFALL INTENSITY TABLES (cont.)

based on "NOAA Atlas 14 Precipitation-Frequency Atlas of the United States, Vol. 11 Version 2.0:Texas"

$$\text{formula } I = b/(t_c + d)^e$$

TIME	2 yr.	5 yr.	10 yr.	25 yr.	50 yr.	100 yr.	TIME	2 yr.	5 yr.	10 yr.	25 yr.	50 yr.	100 yr.
115	1.071	1.477	1.799	2.249	2.608	2.998	290	0.519	0.726	0.891	1.125	1.314	1.521
120	1.037	1.431	1.744	2.180	2.530	2.909	295	0.512	0.716	0.879	1.110	1.297	1.501
125	1.005	1.388	1.692	2.117	2.456	2.826	300	0.505	0.707	0.868	1.096	1.280	1.483
130	0.975	1.348	1.643	2.057	2.388	2.748	305	0.498	0.698	0.857	1.082	1.264	1.464
135	0.948	1.311	1.598	2.001	2.323	2.674	310	0.492	0.689	0.846	1.069	1.249	1.446
140	0.921	1.275	1.555	1.948	2.263	2.605	315	0.485	0.680	0.836	1.055	1.233	1.429
145	0.897	1.242	1.515	1.898	2.205	2.540	320	0.479	0.672	0.825	1.043	1.219	1.412
150	0.874	1.210	1.477	1.851	2.151	2.479	325	0.473	0.663	0.815	1.030	1.204	1.395
155	0.852	1.180	1.441	1.807	2.100	2.420	330	0.467	0.655	0.806	1.018	1.190	1.379
160	0.831	1.152	1.407	1.765	2.052	2.365	335	0.462	0.648	0.796	1.006	1.177	1.364
165	0.811	1.125	1.375	1.725	2.006	2.313	340	0.456	0.640	0.787	0.995	1.163	1.348
170	0.793	1.100	1.344	1.687	1.962	2.263	345	0.451	0.633	0.778	0.984	1.150	1.334
175	0.775	1.076	1.315	1.651	1.920	2.215	350	0.446	0.626	0.769	0.973	1.138	1.319
180	0.758	1.053	1.287	1.616	1.881	2.170	355	0.440	0.619	0.761	0.962	1.125	1.305
185	0.742	1.031	1.260	1.583	1.843	2.127	360	0.436	0.612	0.753	0.952	1.113	1.291
190	0.726	1.010	1.235	1.552	1.807	2.085	365	0.431	0.605	0.744	0.942	1.102	1.278
195	0.712	0.990	1.211	1.522	1.772	2.046	370	0.426	0.599	0.736	0.932	1.090	1.265
200	0.698	0.970	1.188	1.493	1.739	2.008	375	0.421	0.592	0.729	0.922	1.079	1.252
205	0.684	0.952	1.165	1.465	1.707	1.971	380	0.417	0.586	0.721	0.913	1.068	1.239
210	0.671	0.934	1.144	1.439	1.676	1.936	385	0.412	0.580	0.714	0.904	1.057	1.227
215	0.659	0.918	1.123	1.414	1.647	1.903	390	0.408	0.574	0.707	0.895	1.047	1.215
220	0.647	0.901	1.104	1.389	1.619	1.871	395	0.404	0.568	0.700	0.886	1.037	1.203
225	0.635	0.886	1.085	1.366	1.592	1.840	400	0.400	0.562	0.693	0.877	1.027	1.192
230	0.624	0.871	1.067	1.343	1.566	1.810	405	0.396	0.557	0.686	0.869	1.017	1.180
235	0.614	0.856	1.049	1.321	1.541	1.781	410	0.392	0.552	0.679	0.860	1.007	1.169
240	0.604	0.842	1.032	1.300	1.516	1.753	415	0.388	0.546	0.673	0.852	0.998	1.158
245	0.594	0.829	1.016	1.280	1.493	1.726	420	0.384	0.541	0.667	0.844	0.989	1.148
250	0.584	0.816	1.000	1.260	1.470	1.700	425	0.381	0.536	0.660	0.837	0.980	1.138
255	0.575	0.803	0.985	1.241	1.448	1.675	430	0.377	0.531	0.654	0.829	0.971	1.127
260	0.566	0.791	0.970	1.223	1.427	1.651	435	0.373	0.526	0.648	0.822	0.962	1.118
265	0.558	0.779	0.956	1.205	1.407	1.628	440	0.370	0.521	0.642	0.814	0.954	1.108
270	0.549	0.768	0.942	1.188	1.387	1.605	445	0.367	0.517	0.637	0.807	0.946	1.098
275	0.541	0.757	0.929	1.172	1.368	1.583	450	0.363	0.512	0.631	0.800	0.938	1.089
280	0.533	0.746	0.916	1.156	1.349	1.562	455	0.360	0.507	0.626	0.793	0.930	1.080
285	0.526	0.736	0.903	1.140	1.331	1.541	460	0.357	0.503	0.620	0.787	0.922	1.071

where:	<u>2yr</u>	<u>5yr</u>	<u>10yr</u>	<u>25yr</u>	<u>50yr</u>	<u>100yr</u>
e=	0.8385	0.8215	0.8123	0.802	0.7952	0.789
b=	62.336	79.151	92.23	110	123.47	137.99
d=	12.322	12.233	12.329	12.6	12.858	13.318

Prepared By Melden & Hunt, Inc.

Appendix 1.0 (cont.)
HIDALGO COUNTY RAINFALL INTENSITY TABLES (cont.)

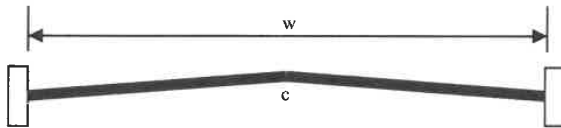
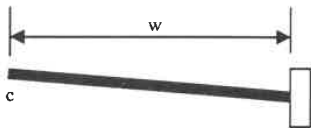
based on "NOAA Atlas 14 Precipitation-Frequency Atlas of the United States, Vol. 11 Version 2.0:Texas"

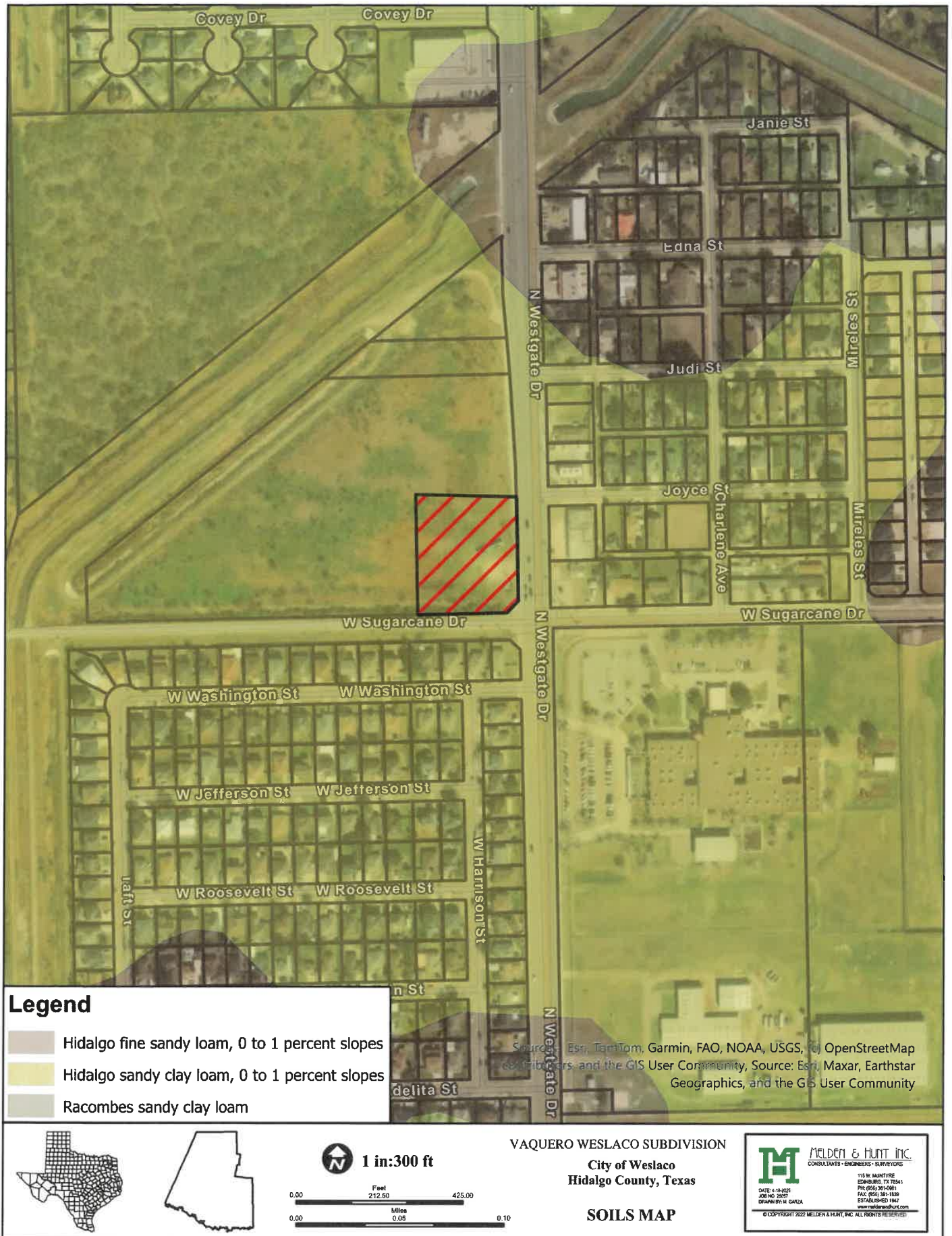
formula $I = b/(t_c + d)^e$

TIME	2 yr.	5 yr.	10 yr.	25 yr.	50 yr.	100 yr.
465	0.354	0.499	0.615	0.780	0.914	1.062
475	0.348	0.490	0.605	0.767	0.899	1.045
485	0.342	0.482	0.595	0.755	0.885	1.028
495	0.336	0.474	0.585	0.743	0.871	1.012
505	0.331	0.467	0.576	0.731	0.857	0.997
515	0.325	0.460	0.567	0.720	0.845	0.982
525	0.320	0.453	0.559	0.709	0.832	0.967
535	0.315	0.446	0.550	0.699	0.820	0.953
545	0.311	0.439	0.542	0.689	0.808	0.940
555	0.306	0.433	0.534	0.679	0.797	0.927
565	0.301	0.427	0.527	0.670	0.786	0.914
575	0.297	0.421	0.520	0.661	0.775	0.902
585	0.293	0.415	0.513	0.652	0.765	0.890

where:	<u>2yr</u>	<u>5yr</u>	<u>10yr</u>	<u>25yr</u>	<u>50yr</u>	<u>100yr</u>
e=	0.8385	0.8215	0.8123	0.802	0.7952	0.789
b=	62.336	79.151	92.23	110	123.47	137.99
d=	12.322	12.233	12.329	12.6	12.858	13.318

Street Velocities and Capacities Flowing Curb Full
Manning's $n = 0.018$

										
	Local Street		Local Street		Collector Street		Secondary Street (half-section)		Primary Street (half-section)	
	w = 30'		w = 40'		w = 44'		w = 24'			
Slope %	c = 4" wp = 31.16 A = 12.45 r = 0.40		c = 4" wp = 41.17 A = 16.67 r = 0.405		c = 5" wp = 45.17 A = 16.50 r = 0.365		c = 6" wp = 24.66 A = 7.92 r = 0.32		c = 9" wp = 28.52 A = 8.12 r = 0.28	
	V ft/sec	Q cfs	V ft/sec	Q cfs	V ft/sec	Q cfs	V ft/sec	Q cfs	V ft/sec	Q cfs
0.10	1.42	17.68	1.43	23.81	1.33	22.01	1.22	9.66	1.12	9.09
0.15	1.74	21.66	1.74	29.17	1.63	26.96	1.50	11.88	1.37	11.12
0.20	2.00	24.90	2.02	33.68	1.89	31.13	1.73	13.70	1.58	12.83
0.25	2.24	27.89	2.26	37.66	2.11	34.80	1.93	15.29	1.77	14.37
0.30	2.46	30.63	2.47	41.25	2.31	38.13	2.12	16.79	1.94	15.75
0.35	2.65	32.99	2.67	44.56	2.50	41.18	2.29	18.14	2.09	16.97
0.40	2.84	35.36	2.86	47.64	2.67	44.02	2.44	19.32	2.24	18.19
0.45	3.01	37.47	3.03	50.53	2.83	46.69	2.59	20.51	2.37	19.24
0.50	3.17	39.47	3.19	53.26	2.98	49.22	2.73	21.62	2.50	20.30
0.55	3.32	41.33	3.35	55.86	3.13	51.62	2.87	22.73	2.62	21.27
0.60	3.47	43.20	3.50	58.34	3.27	53.92	2.99	23.68	2.74	22.25
0.65	3.61	44.94	3.64	60.72	3.40	56.12	3.12	24.71	2.86	23.14
0.70	3.75	46.62	3.78	63.02	3.53	58.24	3.23	25.58	2.96	24.04
0.75	3.88	48.31	3.91	66.23	3.65	60.28	3.35	26.53	3.06	24.85
0.80	4.01	49.92	4.04	67.37	3.77	62.26	3.46	27.40	3.16	25.66
0.85	4.13	51.42	4.17	69.44	3.89	64.17	3.56	28.20	3.26	26.47
0.90	4.25	52.91	4.29	71.45	4.00	66.03	3.67	29.07	3.35	27.20
0.95	4.37	54.41	4.40	73.41	4.11	67.84	3.77	29.86	3.44	27.93
1.00	4.48	55.78	4.52	75.31	4.22	69.61	3.86	30.57	3.53	28.66
1.50	5.49	68.35	5.53	92.25	5.17	85.25	4.73	37.46	4.33	35.16
2.00	6.34	78.93	6.39	106.52	5.97	98.44	5.46	43.24	5.00	40.60
2.50	7.09	88.27	7.14	119.09	6.67	110.06	6.11	48.39	5.59	45.39
3.00	7.76	96.61	7.83	130.46	7.31	120.56	6.69	52.98	6.12	49.59
3.50	8.39	104.46	8.45	140.91	7.89	130.22	7.23	57.26	6.61	53.67
4.00	8.97	111.68	9.04	150.64	8.44	139.21	7.73	61.22	7.07	57.41
4.50	9.51	118.40	9.58	159.78	8.95	147.66	8.20	64.94	7.50	60.90
5.00	10.02	124.75	10.10	168.42	9.43	155.65	8.64	68.43	7.90	64.15
5.50	10.51	130.85	10.60	176.64	9.89	163.24	9.06	71.76	8.29	67.31
6.00	10.98	136.70	11.07	184.49	10.33	170.50	9.46	74.92	8.65	70.24
6.50	11.43	143.30	11.52	192.03	10.76	177.46	9.85	78.01	9.01	73.16
7.00	11.86	147.66	11.95	199.28	11.16	184.16	10.22	80.94	9.35	75.92
7.50	12.28	152.89	12.37	206.27	11.55	190.63	10.58	83.79	9.68	78.60
8.00	12.68	157.85	12.78	213.04	11.93	196.88	10.93	86.57	9.99	81.12
8.50	13.07	162.72	13.17	219.59	12.30	202.94	11.26	89.18	10.30	83.64
9.00	13.45	167.45	13.55	225.96	12.66	208.82	11.59	91.79	10.60	86.07
9.50	13.82	172.06	13.93	232.15	13.00	214.54	11.91	94.33	10.89	88.43
10.00	14.18	176.54	14.29	238.18	13.34	220.12	12.22	96.78	11.17	90.70





Hydrologic Soil Group—Hidalgo County, Texas
(VAQUERO WESLACO SUBDIVISION)

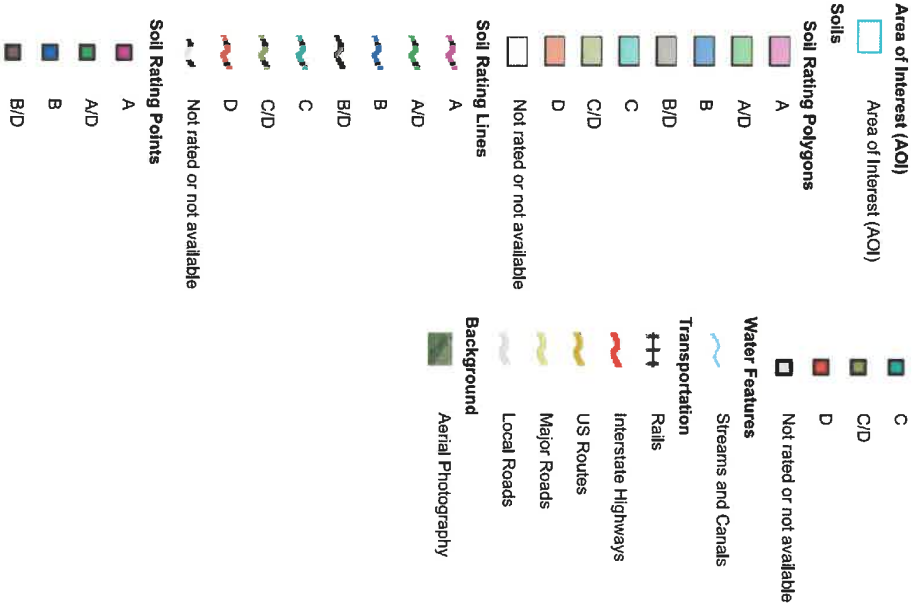


Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

4/21/2025
Page 1 of 4

MAP LEGEND



MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hidalgo County, Texas
Survey Area Data: Version 23, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 21, 2021—Mar 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
28	Hidalgo sandy clay loam, 0 to 1 percent slopes	B	1.0	100.0%
Totals for Area of Interest			1.0	100.0%

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition



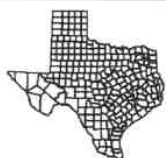
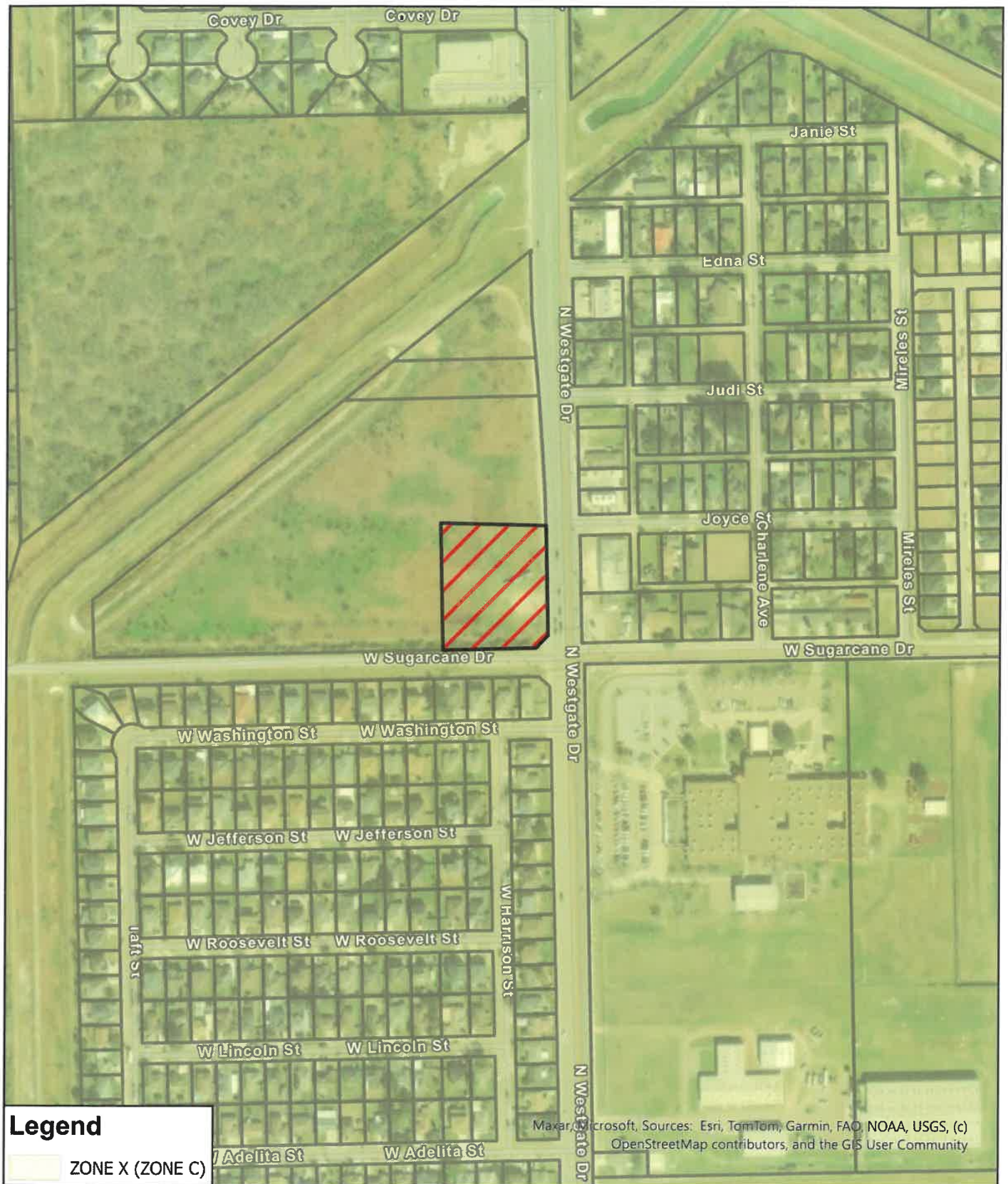
Hydrologic Soil Group—Hidalgo County, Texas

VAQUERO WESLACO
SUBDIVISION

Component Percent Cutoff: None Specified

Tie-break Rule: Higher





VAQUERO WESLACO SUBDIVISION

City of Weslaco
Hidalgo County, Texas

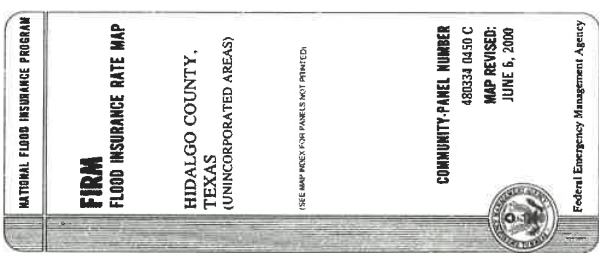
FEMA MAP

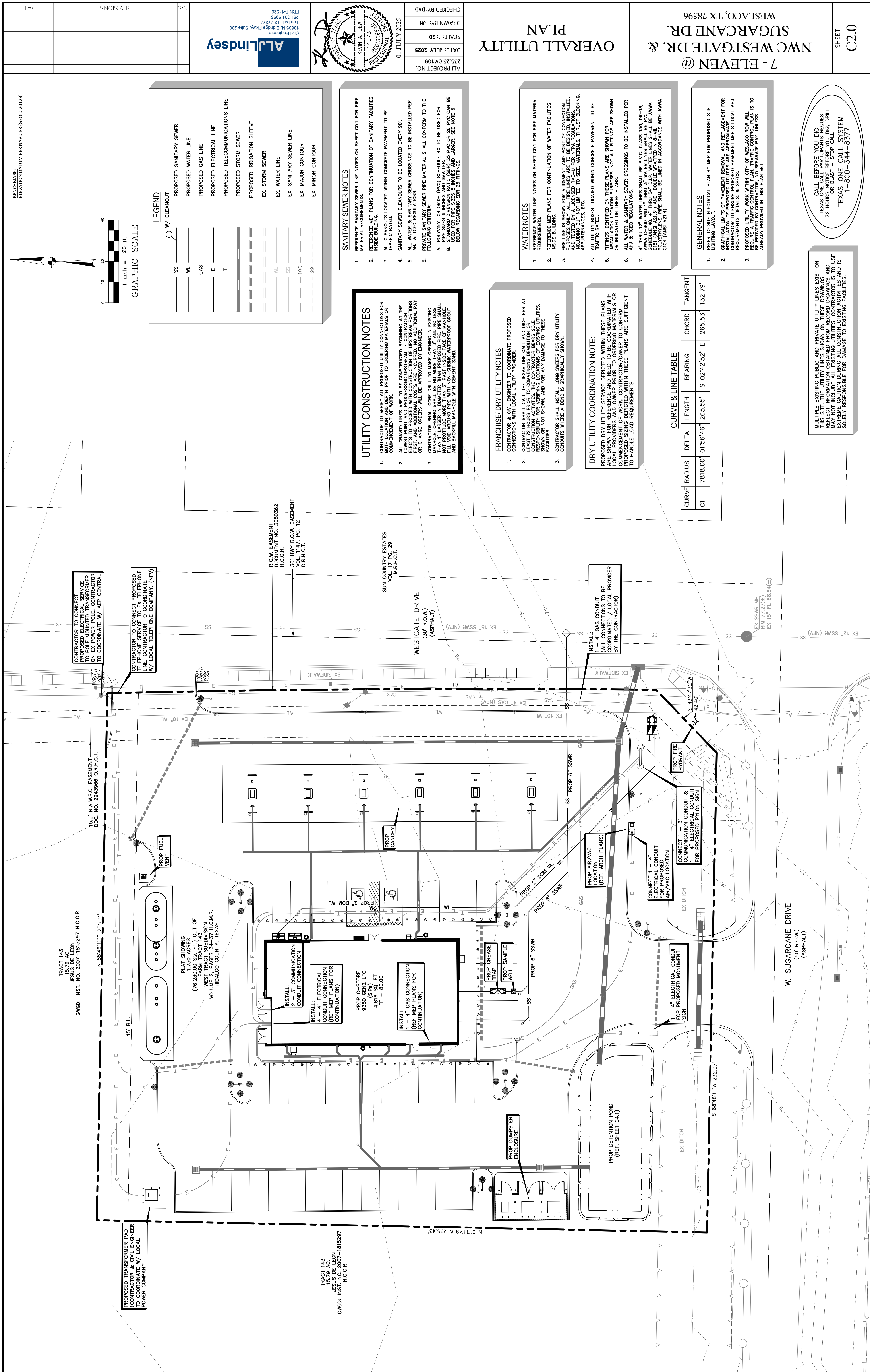
MELDEN & HUNT INC.
CONTRACTORS - ENGINEERS - SURVEYORS

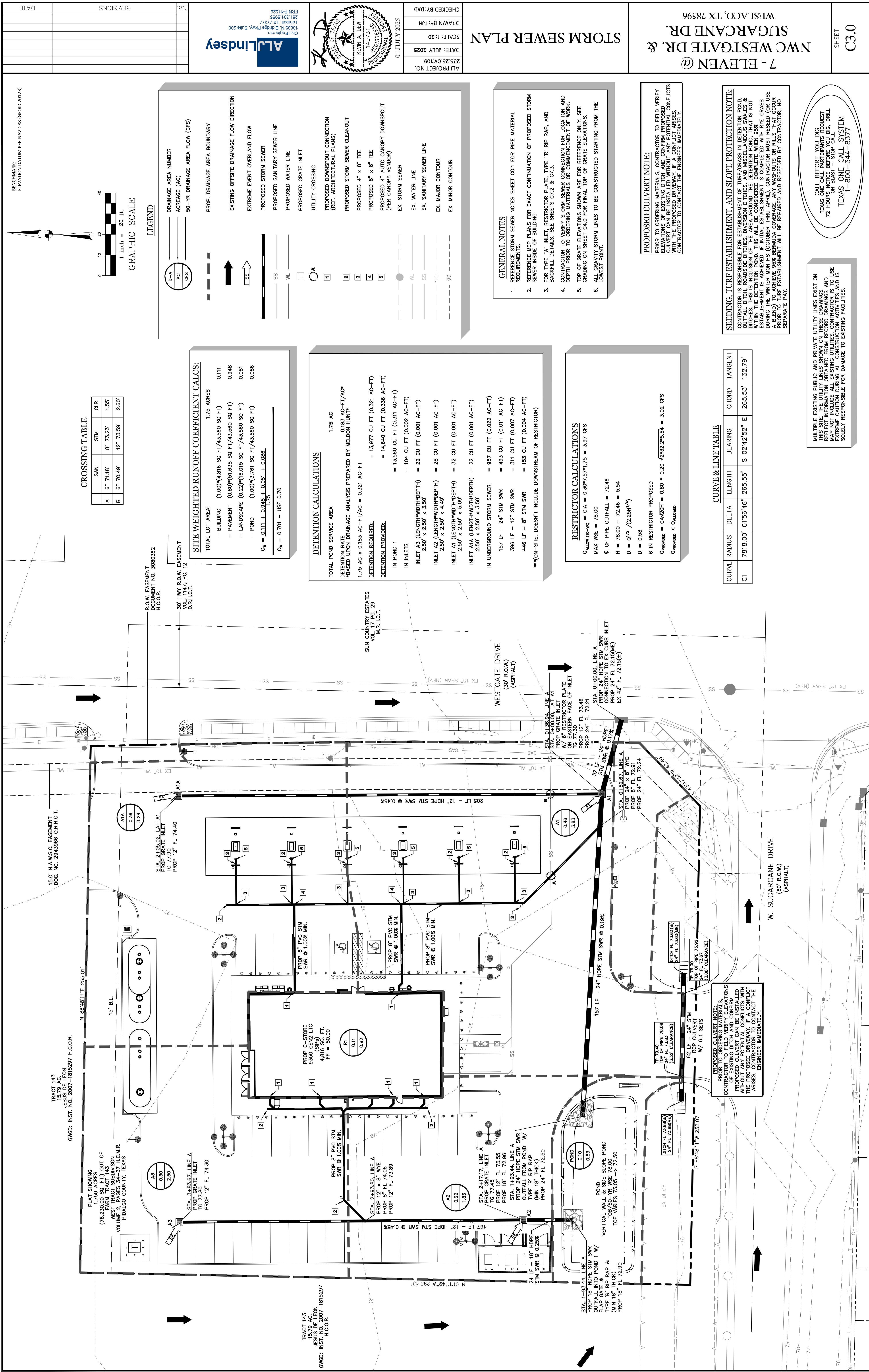
115 W. MONTYRE
EDWING, TX 78541
PH: (956) 381-6091
FAX: (956) 381-1838
EMAIL: info@mhinc.com
WWW.MHINC.COM

DATE: 4-18-2025
JOB NO: 3207
DRAWN BY: M. GARCIA

© COPYRIGHT 2022 MELDEN & HUNT, INC. ALL RIGHTS RESERVED



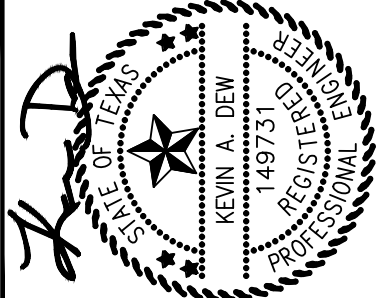




2-YR STORM SEWER CALCULATIONS

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

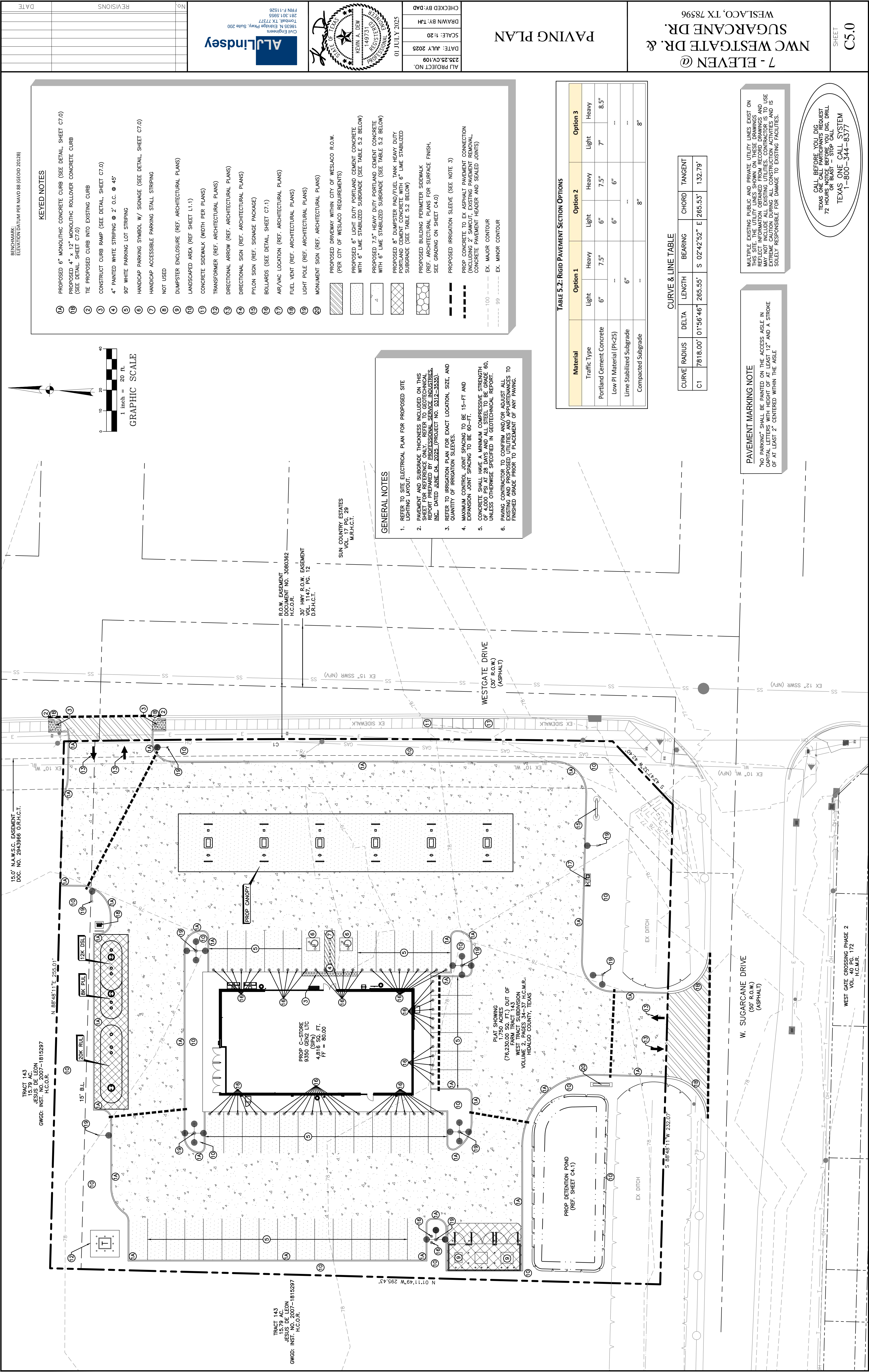
ALJLindsey
Civil Engineer
19635 N. Eldridge Pkwy., Suite 200
Tomball, TX 77317
281.301.5865
FRN F-11526



AU PROJECT NO.
235.25.CV109
DATE: JULY 2025
SCALE: N/A
DRAWN BY: JMH
CHECKED BY: DAD

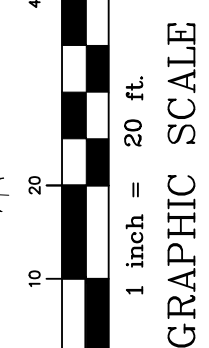
STORM SEWER
CALCULATIONS

7 - ELEVEN @
SUGARCANE DR. &
WESLACO, TX 78596



BENCHMARK:
ELEVATION DATUM PER NAVD 88 (GEOID 2012B)

- KEYED NOTES**
- 1. PROPOSED 6" MONOLITHIC CONCRETE CURB (SEE DETAIL, SHEET C7.0)
 - 2. PROPOSED 4" x 12" MONOLITHIC ROLLOVER CONCRETE CURB (SEE DETAIL, SHEET C7.0)
 - 3. TIE PROPOSED CURB INTO EXISTING CURB
 - 4. CONSTRUCT CURB RAMP (SEE DETAIL, SHEET C7.0)
 - 5. 4" PAINTED WHITE PARKING LOT STRIPING
 - 6. 90° WHITE PARKING LOT STRIPING
 - 7. HANDICAP PARKING SYMBOL W/ SIGNAGE (SEE DETAIL, SHEET C7.0)
 - 8. HANDICAP ACCESSIBLE PARKING STALL STRIPING
 - 9. NOT USED
 - 10. DUMPSTER ENCLOSURE (REF. ARCHITECTURAL PLANS)
 - 11. LANDSCAPED AREA (REF. SHEET L1.1)
 - 12. CONCRETE SIDEWALK (WIDTH PER PLANS)
 - 13. TRANSFORMER (REF. ARCHITECTURAL PLANS)
 - 14. DIRECTIONAL ARROW (REF. ARCHITECTURAL PLANS)
 - 15. DIRECTIONAL SIGN (REF. ARCHITECTURAL PLANS)
 - 16. PYLON SIGN (REF. SIGNAGE PACKAGE)
 - 17. BOLLARDS (SEE DETAIL, SHEET C7.1)
 - 18. AIR/VAC LOCATION (REF. ARCHITECTURAL PLANS)
 - 19. FUEL VENT (REF. ARCHITECTURAL PLANS)
 - 20. LIGHT POLE (REF. ARCHITECTURAL PLANS)
 - 21. MONUMENT SIGN (REF. ARCHITECTURAL PLANS)
 - 22. PROPOSED DRIVEWAY WITHIN CITY OF WESLACO R.O.W. (PER CITY OF WESLACO REQUIREMENTS)
 - 23. PROPOSED 6" LIGHT DUTY PORTLAND CEMENT CONCRETE WITH 6" LIME STABILIZED SUBGRADE (SEE TABLE 5.2 BELOW)
 - 24. PROPOSED 7.5" HEAVY DUTY PORTLAND CEMENT CONCRETE WITH 6" LIME STABILIZED SUBGRADE (SEE TABLE 5.2 BELOW)
 - 25. PROPOSED 8" DUMPSTER PAD/FUEL TANK HEAVY DUTY PORTLAND CEMENT CONCRETE WITH 6" LIME STABILIZED SUBGRADE (SEE TABLE 5.2 BELOW)
 - 26. PROPOSED BUILDING PERIMETER SIDEWALK (REF. ARCHITECTURAL PLANS FOR SURFACE FINISH, SEE GRADING ON SHEET C4.0)
 - 27. PROPOSED IRRIGATION SLEEVE (SEE NOTE 3)
 - 28. PROP CONCRETE TO EX ASPHALT PAVEMENT CONNECTION (INCLUDING 2" SAWCUT, EXISTING PAVEMENT REMOVAL, CONCRETE PAVEMENT HEADER AND SEALED JOINTS)
 - 29. --- 100 --- EX. MAJOR CONTOUR
 - 30. --- 99 --- EX. MINOR CONTOUR



GENERAL NOTES

1. REFER TO SITE ELECTRICAL PLAN FOR PROPOSED SITE LIGHTING LAYOUT.
2. PAVEMENT AND SUBGRADE THICKNESS INCLUDED ON THIS SHEET FOR REFERENCE ONLY. REFER TO GEOTECHNICAL REPORT PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC., DATED JUNE 04, 2025 (PROJECT NO. 0312-3532).
3. REFER TO IRRIGATION PLAN FOR EXACT LOCATION, SIZE, AND QUANTITY OF IRRIGATION SLEEVES.
4. MAXIMUM JOINT SPACING TO BE 15-FT AND EXPANSION JOINT SPACING TO BE 60-FT.
5. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND ALL STEEL TO BE GRADE 60, UNLESS OTHERWISE SPECIFIED IN GEOTECHNICAL REPORT.
6. PAVING CONTRACTOR TO CONFIRM AND/OR ADJUST ALL EXISTING AND PROPOSED UTILITIES AND APPEARANCES TO FINISHED GRADE PRIOR TO PLACEMENT OF ANY PAVING.

TABLE 5.2: RIGID PAVEMENT SECTION OPTIONS

Material	Option 1	Option 2	Option 3
Traffic Type	Light	Heavy	Light
Portland Cement Concrete	6"	7.5"	6"
Low PI Material (PI<25)	--	6"	6"
Lime Stabilized Subgrade	6"	--	--
Compacted Subgrade	--	8"	8"

CURVE & LINE TABLE

CURVE	RADIUS	DELTA	LENGTH	BEARING	CHORD	TANGENT
C1	7818.00'	01°56'46"	265.55'	S 02°42'52" E	265.53'	132.79'

PAVEMENT MARKING NOTE

"NO PARKING" SHALL BE PAINTED ON THE ACCESS AISLE IN CAPITAL LETTERS WITH HEIGHT OF AT LEAST 12" AND A STROKE OF AT LEAST 2" CENTERED WITHIN THE AISLE

MULTIPLE EXISTING PUBLIC AND PRIVATE UTILITY LINES EXIST ON THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND REFLECTING INFORMATION OBTAINED FROM RECORD DRAWINGS AND MAY NOT INCLUDE ALL EXISTING UTILITIES. CONTRACTOR IS TO USE EXTREME CAUTION DURING ALL CONSTRUCTION ACTIVITIES AND IS SOLELY RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES.

CALL BEFORE YOU DIG
TEXAS ONE CALL PARTICIPANTS REQUEST
72 HOURS BEFORE ANY DIGGING, DRILL
OR PILING BEGINS TO STOP CALL
TEXAS ONE CALL SYSTEM
1-800-344-8377



**Planning & Zoning Commission
Standardized Agenda Request Form**

Date of Meeting: September 3, 2025	Agenda Item No. (to be assigned by PCE): V.C.
From: Rebekah de la Fuente, Planning Director, on behalf of Altex Engineering.	
Subject/Agenda Item: Discussion and consideration for six-month extension of Two Points Subdivision being 2.32 acres out of Lot 9, Block 174, West and Adams Tract Subdivision, Weslaco, Hidalgo County, Texas. Located on the southwest corner of the Mile 4 W Rd and Mile 12 ½ Rd. Possible Action.	
Discussion/Overview: The proposed two (2) lot subdivision is located outside the City of Weslaco. Final Plat approval is set to expire on September 19, 2025. This is the 2 nd extension. The development is being overseen by county. The Engineering Department has provided an email.	
If item requires Publication Notice, provide date and periodical of publication; indicate if comments received from letters mailed to property owners: N/A	
Staff recommendation for Commission's Action: Staff recommends approval of the six-month extension.	
Additional Action Prompted: [X] Mayor's Signature [] Public Hearing [] Budget Amendment [] Resolution [] Ordinance – First Reading [] Ordinance – Final Reading	
Advisory Review, (if any): (name of board/committee, date of action, recommendation): N/A	
If item previously considered, provide date and action by Commission: N/A	
Attachments, (if any): Extension letter and email from Engineering.	
Responsibilities upon Commission's Action: Planning staff will advise applicant.	



ALTEX ENGINEERING

DESIGN ♦ PLANNING ♦ MANAGEMENT
TBPE FIRM REGISTRATION NO. F-19737

8/15/2025

Attn: **Rebekah De La Fuente, CFM**
Planning and Code Enforcement Director
City of Weslaco
255 S. Kansas Ave.
Weslaco, Texas 78596

Re: **Extension Request**
Two Points Subd
Weslaco, Texas

Ms. de la Fuente,

This letter is to formally request a Six (6) month extension on the Two Points Subdivision located along Mile 12 ½ N Road & Mile 4 W Rd in Weslaco ETJ. We have submitted revisions to Hidalgo County Planning are awaiting a reply.

Please do not hesitate to call us at (956)294-1241 if you have any questions, comments, or concerns.

Respectfully,

8/15/25

Juan Alonzo Jr. P.E.