

NOTICE OF SPECIAL MEETING OF THE PARKS AND RECREATION BOARD REMOTE MEETING 1-888-475-4499 MEETING ID: 849 6158 9530 MONDAY, FEBRUARY 08, 2021, 6:00 PM

AGENDA

In response to the coronavirus pandemic, effective March 16, 2020, Texas Governor Abbott suspended certain Open Meeting rules to allow meetings of government bodies that are accessible to the public to decrease large groups of people from assembling. The suspension temporarily removes the requirement that government officials and member of the public be physically present at a meeting location. Remote Meeting Participation Information.

Call to Order

Roll Call

Pledge of Allegiance to the U.S. And Texas Flags

Invocation

Items of Community Interest

Pursuant to Texas Government Code Section 551.0415 the Parks and Recreation Board may report on the following: expressions of thanks, congratulations, or condolence; an honorary or salutary recognition of an individual; a reminder about an upcoming event organized or sponsored by the governing body; and announcements involving an imminent threat to the public health and safety of people in the municipality or county that has arisen after the posting of the agenda.

Public Comment

This item allows the public an opportunity to address the Parks and Recreation Board. To comply with the provisions of the Open Meetings Act, the board cannot discuss or take action on items brought before them not posted on the agenda. Please complete a request if you wish to address the board, Comments will be limited to three minutes. Open Forum is for information only. No charges and/or complaints will be heard against any elected official, board member, the Town, or employee of the Town that are prohibited by law. Please submit a Public Comment Form at least five minutes prior to the meeting.

Reports

1. Town Council Liaison Report

Consent Agenda

Items on the Consent Agenda are considered to be self-explanatory and will be enacted with one motion. No separate discussion of these items will occur unless so requested by at least one member of the Parks and Recreation Board.

- 2. October 2020 Meeting Minutes
- 3. January 2021 Meeting Minutes
- 4. October 2020 Financials
- 5. November 2020 Financials
- 6. December 2020 Financials
- 7. January 2021 Financials

Regular Agenda

- 8. Consider and act on a date for The Great American Cleanup.
- 9. Discussion regarding expansion of Sycamore Bend Road.
- 10. Discussion regarding potential launch sites for the Denton County Paddle Trail in Hickory Creek Parks.
- 11. Consider an act on a recommendation to replace the playground equipment at Arrowhead Park.
- 12. Consider an act on a recommendation to add a compact fitness system at Point Vista Park.
- 13. Discussion regarding ongoing maintenance or repairs needed in the parks.

Adjournment

This facility is wheelchair accessible and accessible parking spaces are available. Requests for accommodations or interpretive services must be made 48 hours prior to the meeting. Please contact Town Hall at 940-497-2528 or by fax 940-497-3531 so that appropriate arrangements can be made.

I, Ashley Vinson, do hereby certify that this meeting notice was posted on the bulletin board at Town Hall, 1075 Ronald Reagan Avenue, Hickory Creek, Texas on February 5, 2021 at 9:00AM.

Ashley Vinson

Town of Hickory Creek

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REGULAR MEETING OF THE PARKS AND RECREATION BOARD REMOTE MEETING MONDAY, OCTOBER 19, 2020

MINUTES

In response to the coronavirus pandemic, effective March 16, 2020, Texas Governor Abbott suspended certain Open Meeting rules to allow meetings of government bodies that are accessible to the public to decrease large groups of people from assembling. The suspension temporarily removes the requirement that government officials and members of the public be physically present at a meeting location.

Call to Order

Chairman Larkin called the meeting to order at 6:00 p.m.

Roll Call

The following members were present: Vice Chariman Lisa Rowell Member Kyle Knop Chariman Mandy Larkin Member Dinah Stults Member Gwen Grimsley-McIntosh

The following members were absent: Member Nicolas Wohr Member Calin Giuroiu

Also in attendance were: Chris Gordon, Town Council Liaison Kristina Smith, Administrative Assistant

Pledge of Allegiance to the U.S. And Texas Flags

Chairman Larkin led the Pledge of Allegiance to the U.S. And Texas Flags.

Invocation

Vice Chairman Rowell led the invocation.

Items of Community Interest

There were no items of community interest.

Public Comment

John Grosskopf, 131 Oakwood Lane, congratulations to Dinah on her perseverance in the NWF. Mr. Grosskopf would like to address some safety concerns in regards to pedestrian safety. Bike sales are up 80% across the nation and the number of people out walking are also on a dramatic

Town of Hickory Creek Parks and Recreation Board October 19, 2020 Page 2

rise. There are no designated pedestrian lanes in our town. Mr. Grosskopf urged the board to suggest to town council to create bike lanes in town and to remove obstructions and impediments on existing sidewalks. It would also be nice if the town would establish a wider sidewalk grid than some we currently have. Mr. Grosskopf meant to leave the board with lessons learned and a strategic document prepared with the board, that contains valuable thoughts and ideas for the board to review. Mr. Grosskopf and Mr. Pierre had spoken with the Mayor regarding his departure from the board. Mr. Grosskopf encouraged the board to double their efforts to improve our parks and recreational activities and improve the quality of life in our town. Development is accelerating, destroying habitat and wildlife, increasing traffic congestion while increasing environmental health and safety due to that growth. An important part of our future that is in your hands.

Reports

1. Town Council Liaison Report

The Lake Cities Trunk or Treat will be held October 30, 2020 from 5 p.m. to 7 p.m.

Consent Agenda

- 2. September 2020 Meeting Minutes
- 3. September 2020 Financials

Motion made by Chariman Larkin to approve consent agenda items 2-3, Seconded by Member Grimsley-McIntosh.

Voting Yea: Vice Chariman Rowell, Member Knop, Chariman Larkin, Member Stults, Member Grimsley-McIntosh. <u>Motion passed unanimously</u>.

Regular Agenda

4. Consider and act regarding implementation of a healing garden.

Discussion was held regarding the implementation of a healing garden. No action was taken.

5. Discussion regarding Great American Cleanup Event and Arbor Day Event.

Discussion was held regarding preparing bags with supplies for clean up participants to pick up at town hall during business hours. Board members will come to town hall to prepare supplies on Wednesday, November 4.

6. Consider and act on certification of town parks with the National Wildlife Federation (NWF).

Town of Hickory Creek Parks and Recreation Board October 19, 2020 Page 3

Motion made by Chariman Larkin to approve the certification of town parks with the National Wildlife Federation in an amount not to exceed \$120, Seconded by Member Stults.

Voting Yea: Vice Chariman Rowell, Member Knop, Chariman Larkin, Member Stults, Member Grimsley-McIntosh. <u>Motion passed unanimously</u>.

7. Discussion regarding ongoing maintenance or repairs needed in the parks.

Discussion was held regarding the condition of the restrooms in Arrowhead and Point Vista Parks. Due to the recent high winds, the trash can lids had flown off. They were dangling on the side but not securing the trash inside. More cameras in the parks were suggested to ensure safety.

Adjournment

Motion made by Chariman Larkin to adjourn the meeting, Seconded by Member Knop. Voting Yea: Vice Chariman Rowell, Member Knop, Chariman Larkin, Member Stults, Member Grimsley-McIntosh. Motion passed unanimously.

ne meeting adjourned at 6:57 p.m.				
Approved:	Attest:			
Mandy Larkin, Chairman Parks and Recreation Board	Kristina Smith, Administrative Assistant Town of Hickory Creek			

SPECIAL MEETING OF THE PARKS AND RECREATION BOARD PRATT FARM, WEST OF SYCAMORE BEND PAVILION, EAST OF PREMITIVE CAMPING ENTRANCE, ENTER THROUGH NORTH GATE, 1301 SYCAMORE BEND RD, HICKORY CREEK, TEXAS 75065 MONDAY, JANUARY 11, 2021

MINUTES

Call to Order

Chairman Larkin called the meeting to order at 4:35 p.m.

Roll Call

The following members were present:

Member Nicolas Wohr Vice Chariman Lisa Rowell Member Kyle Knop Chariman Mandy Larkin Member Dinah Stults

The following members were absent: Member Calin Giuroiu Member Gwen Grimsley-McIntosh

Also in attendance were: John Smith, Town Administrator Chris Gordon, Town Council Liaison, arrived at 4:37 p.m. Jeffrey McSpedden, Public Works Director Ashley Vinson, Administrative Assistant

Items of Community Interest

There were no items of community interest.

Public Comment

John Grosskopf, 131 Oakwood Lane, expressed concern regarding trails discovered near Arrowhead Park that show signs of mountain biking and vehicular traffic. Mr. Grosskopf requested the town place signs along trails. Mr. Grosskopf participated in the Lake Dallas Arbor Day Event and mentioned future collaboration with the Hickory Creek and Lake Dallas Parks and Recreations Board. Mr. Grosskopf was concerned about a special meeting being called.

Regular Agenda

1. Discussion regarding future implementation of Pratt Property.

John Smith, Town Administrator, gave a brief history of the Pratt Property, board members walked the property line, and discussed future plans to include: initial vegetation burn,

Town of Hickory Creek Parks and Recreation Board January 11, 2021 Page 2

nature trails, playground area, wildflower garden, overlook tower, educational building, picnic areas, trailer parking, and an equestrian camping area.

Adjournment

Motion made by Member Wohr to adjourn the meeting, Seconded by Vice Chariman Rowell. Voting Yea: Member Wohr, Vice Chariman Rowell, Member Knop, Chariman Larkin, Member Stults. Motion passed unanimously.

The meeting adjourned at 5:37p.m.	
Approved:	Attest:
Mandy Larkin, Chairman Parks and Recreation Board	Ashley Vinson, Administrative Assistant Town of Hickory Creek

2:58 AM 02/04/21 Accrual Basis

Town of Hickory Creek Balance Sheet

As of October 31, 2020

	Oct 31, 20
ASSETS Current Assets Checking/Savings BOA - Parks and Recreation	127,915.31
Total Checking/Savings	127,915.31
Total Current Assets	127,915.31
TOTAL ASSETS	127,915.31
LIABILITIES & EQUITY	0.00

Town of Hickory Creek Park and Recreation Budget vs. Actual October 2020

	Oct 20	Budget
Ordinary Income/Expense		
Income		
Miscellaneous Revenue		
4508 Annual Park Passes	291.35	20,000.00
4510 Arrowhead Park Fees	2,878.00	22,000.00
4516 Corp Parks Fund Reserve	0.00	36,500.00
4536 Point Vista Park Fees	1,069.00	6,500.00
4550 Sycamore Bend Fees	3,097.00	15,000.00
Total Miscellaneous Revenue	7,335.35	100,000.00
Total Income	7,335.35	100,000.00
Gross Profit	7,335.35	100,000.00
Expense		
Capital Outlay		
5022 Parks and Rec Improvements	0.00	0.00
Total Capital Outlay	0.00	0.00
Parks and Recreation		
5402 Events	0.00	1,000.00
5408 Tanglewood Park	193.19	1,500.00
5412 KHCB	0.00	500.00
5414 Tree City USA	0.00	1,500.00
Total Parks and Recreation	193.19	4,500.00
Parks Corps of Engineer		
5432 Arrowhead	1,642.78	60,000.00
5434 Harbor Grove	132.49	15,000.00
5436 Point Vista	1,388.87	5,000.00
5438 Sycamore Bend	1,538.91	20,000.00
Total Parks Corps of Engineer	4,703.05	100,000.00
Total Expense	4,896.24	104,500.00
Net Ordinary Income	2,439.11	-4,500.00
t Income	2,439.11	

Town of Hickory Creek Park and Recreation Detail

October 2020

	Туре	Date	Name		Memo	Account	Amount
	Income/Expe	nse					
	ome Miscellaneou	e Pavanua					
		ial Park Passes					
Deposi	t	10/01/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4508 Annual Park Passes	60.00
Deposi Deposi		10/05/2020 10/06/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4508 Annual Park Passes	25.00
Deposi		10/06/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4508 Annual Park Passes	25.00
Deposi		10/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4508 Annual Park Passes 4508 Annual Park Passes	20.60 25.00
Deposit Deposit		10/13/2020 10/15/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4508 Annual Park Passes	60.00
Deposit		10/19/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4508 Annual Park Passes	25.00
Deposit	l	10/26/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4508 Annual Park Passes 4508 Annual Park Passes	25.75 25.00
	Total 4508	Annual Park Passes	3				291.35
		vhead Park Fees					
Deposit Deposit		10/01/2020 10/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	12.00
Deposit		10/05/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees	40.00
Deposit		10/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	40.00 40.00
Deposit Deposit		10/05/2020 10/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	70.00
Deposit		10/06/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees	205.00
Deposit		10/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	115.00 15.00
Deposit Deposit		10/07/2020 10/08/2020	Deposit MERCHANT SERVICE DECMEDOLIDED	Deposit		4510 Arrowhead Park Fees	606.00
Deposit		10/09/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	50.00
Deposit		10/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	40.00 30.00
Deposit Deposit		10/13/2020 10/13/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	50.00
Deposit		10/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	40.00
Deposit		10/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	135.00 185.00
Deposit Deposit		10/13/2020 10/13/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	220.00
Deposit		10/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	35.00 35.00
Deposit		10/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	15.00
Deposit Deposit		10/15/2020 10/19/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	45,00
Deposit		10/19/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	90.00 55.00
Deposit		10/20/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	15.00
Deposit Deposit		10/20/2020 10/22/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees	100.00
Deposit		10/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	30.00 35.00
Deposit Deposit		10/26/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	65.00
Deposit		10/26/2020 10/26/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees	60.00
Deposit		10/27/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	175.00 110.00
Deposit Deposit		10/29/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4510 Arrowhead Park Fees	110.00
Deposit		10/29/2020 10/30/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	5.00 5.00
	Total 4510 /	Arrowhead Park Fee	s				2,878.00
		Vista Park Fees					
Deposit Deposit		10/01/2020 10/02/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	12.00
Deposit		10/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	26.00
Deposit		10/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	20.00 65.00
Deposit Deposit		10/06/2020 10/07/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	55.00
Deposit		10/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	55.00
Deposit		10/07/2020	Deposit	Deposit		4536 Point Vista Park Fees	5,00 71.00
Deposit Deposit		10/08/2020 10/08/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	20.00
Deposit		0/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	10.00
Deposit		0/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	55.00 10.00
Deposit Deposit		0/13/2020 0/13/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	100.00
Deposit			MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	95.00
Deposit		0/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	20.00 15.00
Deposit Deposit			MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	35.00
Deposit			MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees	40.00
Deposit	1	0/19/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	40.00 30.00
Deposit Deposit			MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	55.00
Deposit			MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	10.00
Deposit		0/22/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	25.00 20.00
Deposit Deposit			MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	5.00
Deposit			MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4536 Point Vista Park Fees	10.00
Deposit Deposit	1	0/26/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees 4536 Point Vista Park Fees	25.00 125.00
Deposit		oint Vista Park Fees	MERCHANT SERVICE DESMERCH DEP	Deposit		4536 Point Vista Park Fees	15.00
		ore Bend Fees					1,069.00
Deposit	1	0/01/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		4550 Sycamore Bend Fees	67.00
Deposit Deposit			MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit		4550 Sycamore Bend Fees	55,00
Deposit			MERCHANT SERVICE DESMERCH DEP	Deposit Deposit		4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	115.00 220.00
				•		ayaamara bana 1 663	220.00

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2:56 AM 02/04/21

Accrual Basis

Town of Hickory Creek Park and Recreation Detail

October 2020

_		Name	Memo	Account	Amou
Deposit	10/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	A550 C	
Deposit	10/06/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	
Deposit	10/07/2020	Deposit DEPOSITE DESIGNATION DEP		4550 Sycamore Bend Fees	
Deposit	10/09/2020		Deposit	4550 Sycamore Bend Fees	
Deposit		MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/15/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		
Deposit	10/19/2020	MERCHANT SERVICE DESMERCH DEP		4550 Sycamore Bend Fees	
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Deposit	10/20/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/21/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		
Deposit	10/23/2020	MERCHANT SERVICE DESMERCH DEP		4550 Sycamore Bend Fees	
Deposit	10/26/2020		Deposit	4550 Sycamore Bend Fees	
		MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/26/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/27/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	
Deposit	10/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit		
·			Deposit	4550 Sycamore Bend Fees	
_	Total 4550 Sycamore Bend Fe	ees			3
To	otal Miscellaneous Revenue				7
Total	Income				7
Gross Pr	rofit				7
Expe	nse				•
	arks and Recreation				
	5408 Tanglewood Park				
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To	otal Parks and Recreation				
Pa	arks Corps of Engineer				
	5432 Arrowhead				
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Check Check Check Bill	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER		5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead —	······
Check Check Check Bill Check Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT		5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead — 5434 Harbor Grove 5434 Harbor Grove	1,
Check Check Check Bill Check Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE		5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista	1,
Check Check Bill Check Check Check Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista	1,
Check Check Check Bill Check Check Check Check Check Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/14/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services		5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista	1,
Check Check Check Bill Check Check Check Check Check Check Check Check Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/14/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITech Services HUDSON ENERGY SE DESDEBITDEBIT	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista 5436 Point Vista	1,
Check Check Check Bill Check Check Check Check Check Check Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/14/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista 5436 Point Vista	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITech Services HUDSON ENERGY SE DESDEBITDEBIT	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista 5436 Point Vista	1,
Check Check Bill Check Check Check Check Check Check Check Bill	10/07/2020 10/14/2020 10/14/2020 10/12/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITech Services HUDSON ENERGY SE DESDEBITDEBIT	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista 5436 Point Vista	1,
Check Check Check Bill Check Check Check Check Check Check Bill	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista	1
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5436 Point Vista 5436 Point Vista	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/14/2020 10/14/2020 10/14/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020 10/14/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE	Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Sycamore Bend 5438 Sycamore Bend	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020	CHECKCARD 1006 GRAINGER MiTech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITech Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020 10/07/2020 10/07/2020 10/07/2020 10/07/2020 10/07/2020 10/14/2020	CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/14/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Point Vista 5438 Sycamore Bend	1,
Check Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 Total 5434 Harbor Grove 5436 Point Vista 10/02/2020 10/07/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 10/27/2020	CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	1,
Check Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 10/07/2020 10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/129/2020 Total 5438 Sycamore Bend	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Point Vista 5438 Sycamore Bend	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 10/07/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/07/2020 10/07/2020 10/07/2020 10/07/2020 10/07/2020 10/14/2020 10/29/2020 Total 5438 Sycamore Bend tal Parks Corps of Engineer	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Point Vista 5438 Sycamore Bend	1,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 10/07/2020 10/07/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/129/2020 Total 5438 Sycamore Bend	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Point Vista 5438 Sycamore Bend	1,
Check Check Bill Check Total E	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/14/2020	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Point Vista 5438 Sycamore Bend	1, 1, 1, 4,
Check Check Bill Check	10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5432 Arrowhead 5434 Harbor Grove 10/07/2020 10/14/2020 10/07/2020 10/14/2020 10/14/2020 10/14/2020 10/27/2020 Total 5436 Point Vista 5438 Sycamore Bend 10/02/2020 10/14/2020	CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless CHECKCARD 1006 GRAINGER HUDSON ENERGY SE DESDEBITDEBIT MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH Services HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless MERCHANT SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICE DESMERCH FEE CHECKCARD 1006 GRAINGER MITECH SERVICES HUDSON ENERGY SE DESDEBITDEBIT Verizon Wireless	Invoice# 9864627032 Invoice 4016 Invoice# 9864627032 Invoice 4016 Invoice# 9864627032	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5434 Harbor Grove 5434 Harbor Grove 5436 Point Vista 5438 Point Vista 5438 Sycamore Bend	1, 1, 1, 4,

2:58 AM 02/04/21 Accrual Basis

Town of Hickory Creek Balance Sheet

As of November 30, 2020

	Nov 30, 20
ASSETS Current Assets Checking/Savings BOA - Parks and Recreation	136,992.02
Total Checking/Savings	136,992.02
Total Current Assets	136,992.02
TOTAL ASSETS	136,992.02
LIABILITIES & EQUITY	0.00

Town of Hickory Creek Park and Recreation Budget vs. Actual October through November 2020

	Oct - Nov 20	Budget
Ordinary Income/Expense		
Income		
Miscellaneous Revenue		
4508 Annual Park Passes	716.35	20,000.00
4510 Arrowhead Park Fees	5,224.00	22,000.00
4516 Corp Parks Fund Reserve	0.00	36,500.00
4536 Point Vista Park Fees	1,980.00	6,500.00
4550 Sycamore Bend Fees	6,763.00	15,000.00
Total Miscellaneous Revenue	14,683.35	100,000.00
Total Income	14,683.35	100,000.00
Gross Profit	14,683.35	100,000.00
Expense		
Capital Outlay		
5022 Parks and Rec Improvements	0.00	0.00
Total Capital Outlay	0.00	0.00
Parks and Recreation		
5402 Events	0.00	1,000.00
5408 Tanglewood Park	349.76	1,500.00
5412 KHCB	0.00	500.00
5414 Tree City USA	0.00	1,500.00
Total Parks and Recreation	349.76	4,500.00
Parks Corps of Engineer		
5432 Arrowhead	2,268.93	60,000.00
5434 Harbor Grove	155.07	15,000.00
5436 Point Vista	1,723.69	5,000.00
5438 Sycamore Bend	6,466.68	20,000.00
Total Parks Corps of Engineer	10,614.37	100,000.00
Total Expense	10,964.13	104,500.00
Net Ordinary Income	3,719.22	-4,500.00
Net Income	3,719.22	-4,500.00

Town of Hickory Creek Park and Recreation Detail

Accrual Basis

November 2020

Туј	pe Date	Name	Memo	Account	Amount
	ome/Expense				
Incom					
	scellaneous Revenue 4508 Annual Park Passe	s			
Deposit	11/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	100.00
Deposit	11/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	100.00
Deposit Deposit	11/16/2020 11/18/2020	MERCHANT SERVICE DESMERCH DEP Deposit	Deposit Deposit	4508 Annual Park Passes	50.00
Deposit	11/18/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes 4508 Annual Park Passes	100.00 25.00
Deposit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	25.00
Deposit	11/25/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	25.00
	Total 4508 Annual Park P.	asses			425.00
	4510 Arrowhead Park Fe	es			
Deposit	11/02/2020	Deposit	Deposit	4510 Arrowhead Park Fees	356.00
Deposit Deposit	11/02/2020 11/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	20.00
Deposit	11/03/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	155,00 95,00
Deposit	11/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	35.00
Deposit	11/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	205.00
Deposit Deposit	11/09/2020 11/09/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	30.00 55.00
Deposit	11/10/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	160.00
Deposit	11/10/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	10.00
Deposit Deposit	11/12/2020 11/12/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	15.00 30.00
Deposit	11/16/2020	Deposit Deposit	Deposit	4510 Arrowhead Park Fees	60.00
Deposit	11/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	55.00
Deposit Deposit	11/16/2020 11/16/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	85.00
Deposit	11/17/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	45.00 140.00
Deposit	11/18/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	55.00
Check	11/18/2020 11/19/2020	MERCHANT SERVICE DESMERCH CHBK	Daniel 2	4510 Arrowhead Park Fees	-10.00
Deposit Deposit	11/20/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	55.00 50.00
Deposit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	125.00
Deposit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	180.00
Deposit Deposit	11/23/2020 11/24/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	120.00 55.00
Deposit	11/25/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	15.00
Deposit	11/27/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	15.00
Deposit Deposit	11/30/2020 11/30/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	60.00 45.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees	20.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	10.00
	Total 4510 Arrowhead Par	k Fees			2,346.00
	4536 Point Vista Park Fe	es			
Deposit	11/02/2020	Deposit	Deposit	4536 Point Vista Park Fees	150.00
Deposit	11/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	115.00
Deposit Deposit	11/02/2020 11/03/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	35.00 25.00
Deposit	11/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Deposit	11/06/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Deposit Deposit	11/06/2020 11/09/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	5.00 30.00
Deposit	11/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Deposit	11/16/2020	Deposit	Deposit	4536 Point Vista Park Fees	276.00
Deposit Deposit	11/16/2020 11/16/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees	10.00
Deposit	11/17/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	15.00 15.00
Deposit	11/18/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	35.00
Deposit Deposit	11/19/2020 11/20/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees	20.00
Deposit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	20.00 20.00
Deposit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	40.00
Deposit Deposit	11/23/2020 11/24/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	45.00
Deposit	11/25/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	10.00 5.00
Deposit	11/27/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00
	Total 4536 Point Vista Par				911.00
Deposit	4550 Sycamore Bend Fee 11/02/2020	es Deposit	Deposit	4550 Sycamore Bend Fees	4.400.00
Deposit	11/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	1,136.00 120.00
Deposit	11/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	105.00
Deposit	11/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	10.00
Deposit Deposit	11/03/2020 11/04/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	40.00 30.00
Deposit	11/04/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	25.00
Deposit	11/05/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	25.00
Deposit Deposit	11/05/2020 11/06/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	30.00 20.00
Deposit	11/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	50.00
Deposit	11/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	90.00
Deposit Deposit	11/09/2020 11/10/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	225.00 55.00
Deposit	11/12/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
				•	

Accrual Basis

Town of Hickory Creek Park and Recreation Detail

November 2020

Deposit	11/12/2020 11/13/2020		Memo	Account	Amount
Deposit	11/13/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	25.00
Deposit		MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	20.00
Deposit Deposit Deposit Deposit Deposit Deposit Deposit Deposit	11/16/2020	Deposit	Deposit	4550 Sycamore Bend Fees	525.00
Deposit Deposit Deposit Deposit Deposit Deposit Deposit Deposit	11/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
Deposit Deposit Deposit Deposit Deposit Deposit	11/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	60.00
Deposit Deposit Deposit Deposit	11/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	215.00
Deposit Deposit Deposit Deposit	11/17/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	75.00
Deposit Deposit Deposit	11/18/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
Deposit	11/19/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
	11/20/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	25.00
Donocit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	40.00
Debosit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	80.00
Deposit	11/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	125.00
Deposit	11/24/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	70.00
Deposit	11/25/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	65.00
Deposit	11/27/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	100.00
Deposit	11/27/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	20.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	20.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	65.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	100.00
Deposit	11/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	55.00
•	0 Sycamore Bend Fe	ees	·		3,666.00
	aneous Revenue				7,348.00
Total Income					7,348.00
Gross Profit					7,348.00
Expense					·
Parks and R	tecreation				
	glewood Park				
Check	11/03/2020	LCMUA DESUTILITY DD		5408 Tanglewood Park	144.67
Check	11/12/2020	HUDSON ENERGY SE DESDEBITDEBIT		5408 Tanglewood Park	11.90
Oncor	1171272020	TODOGN ENERGY OF DEGDEDITOEDIT		5 155 1 21 g. 5 11 5 5 7 4 11 1	
Total 540	8 Tanglewood Park				156.57
Total Parks	and Recreation				156.57
	s of Engineer				
5432 Arr					
Check	11/02/2020	MERCHANT SERVICE DESMERCH FEE		5432 Arrowhead	158.83
Check	11/12/2020	HUDSON ENERGY SE DESDEBITDEBIT		5432 Arrowhead	35.94
Bill	11/13/2020	Ventek International	Invoice# 123802	5432 Arrowhead	213.73
Bill	11/13/2020	Ventek International	Invoice# 123785	5432 Arrowhead	210.65
Bill	11/20/2020	Verizon Wireless	Invoice# 9866727399	5432 Arrowhead	7.00
Total 543	32 Arrowhead				626.15
	bor Grove 11/12/2020	HUDSON ENERGY SE DESDEBITDEBIT		5434 Harbor Grove	22.58
Check		HODSON ENERGY SE DESDEBHDEBH		STOR HAIDOI GIOVE	
Total 543	4 Harbor Grove				22.58
5436 Poi				MARK District No. 1	70.00
Check	11/02/2020	MERCHANT SERVICE DESMERCH FEE		5436 Point Vista	70.27
Check	11/12/2020	HUDSON ENERGY SE DESDEBITDEBIT		5436 Point Vista	46.90
	11/13/2020	Ventek International	Invoice# 123785	5436 Point Vista	210.65
Bill	11/20/2020	Verizon Wireless	Invoice# 9866727399	5436 Point Vista	7.00
	6 Point Vista				00400
Bill Bill	or one viola				334.82
Bill Bill Total 543					334.82
Bill Bill Total 543 5438 Syd	amore Bend	MERCHANT SERVICE DESMERCH FFF		5438 Sycamore Bend	146.22
Bill Bill Total 543 5438 Syd Check		MERCHANT SERVICE DESMERCH FEE Knight, Bradley D	Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06
Bill Bill Total 543 5438 Syc Check Paycheck	camore Bend 11/02/2020 11/12/2020	Knight, Bradley D	Direct Deposit Direct Deposit		146.22
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck	camore Bend 11/02/2020			5438 Sycamore Bend	146.22 264.06 527.38 156.42
Bill Bill Total 543 5438 Syc Check Paycheck	camore Bend 11/02/2020 11/12/2020 11/12/2020	Knight, Bradley D McSpedden, Jeffrey E	Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Paycheck	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A	Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check	camore Bend 11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785	5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64
Bill Bill Total 543 5438 Syd Check Paycheck Paycheck Paycheck Check Bill	camore Bend 11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399	5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/20/2020 11/20/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146 22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill Bill	amore Bend 11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/2/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill Paycheck Paycheck Paycheck Paycheck	amore Bend 11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/25/2020 11/25/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3.196.67 210.64 7.00 58.68 121.70 52.14
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill Bill Bill Bill Bill Bill Bil	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/20/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68 121.70 52.14
Bill Bill Total 543 5438 Syd Check Paycheck Paycheck Paycheck Check Bill Bill Bill Paycheck Paycheck Paycheck Paycheck Bill Total 543	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146 22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68 121.70 52.14 130.86
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill Bill Paycheck Paycheck Paycheck Paycheck Paycheck Paycheck Paycheck Bill Total 543 Total Parks	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/20/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68 121.70 52.14 130.86 4,927.77
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill Bill Paycheck Paycheck Paycheck Paycheck Paycheck Paycheck Total 543 Total Parks of	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68 121.70 52.14 130.86 4,927.77 5,911.32
Bill Bill Total 543 5438 Syc Check Paycheck Paycheck Paycheck Check Bill Bill Bill Paycheck Paycheck Paycheck Paycheck Paycheck Paycheck Paycheck Bill Total 543 Total Parks	11/02/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/12/2020 11/13/2020 11/13/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020 11/25/2020	Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A HUDSON ENERGY SE DESDEBITDEBIT Texas First Rentals LLC Ventek International Verizon Wireless Knight, Bradley D McSpedden, Jeffrey E Paterson, Robert A	Direct Deposit Direct Deposit Contract # 1146520-0001 Invoice# 123785 Invoice# 9866727399 Direct Deposit Direct Deposit Direct Deposit	5438 Sycamore Bend 5438 Sycamore Bend	146.22 264.06 527.38 156.42 56.00 3,196.67 210.64 7.00 58.68 121.70 52.14 130.86 4,927.77

Town of Hickory Creek Balance Sheet

As of December 31, 2020

	Dec 31, 20
ASSETS	
Current Assets	
Checking/Savings	
BOA - Parks and Recreation	140,071.38
Total Checking/Savings	140,071.38
Total Current Assets	140,071.38
TOTAL ASSETS	140,071.38
LIABILITIES & EQUITY	0.00

Town of Hickory Creek Park and Recreation Budget vs. Actual October through December 2020

	Oct - Dec 20	Budget
Ordinary Income/Expense		
Income Miscellaneous Revenue		
4508 Annual Park Passes	1,500.35	20,000.00
4510 Arrowhead Park Fees	6,249.00	22,000.00
4516 Corp Parks Fund Reserve	0.00	36,500.00
4536 Point Vista Park Fees	2,315.00	6,500.00
4550 Sycamore Bend Fees	8,288.00	15,000.00
Total Miscellaneous Revenue	18,352.35	100,000.00
Total Income	18,352.35	100,000.00
Gross Profit	18,352.35	100,000.00
Expense		
Capital Outlay		
5022 Parks and Rec Improvements	0.00	0.00
Total Capital Outlay	0.00	0.00
Parks and Recreation		
5402 Events	0.00	1,000.00
5408 Tanglewood Park	520.27	1,500.00
5412 KHCB	0.00	500.00
5414 Tree City USA	0.00	1,500.00
Total Parks and Recreation	520.27	4,500.00
Parks Corps of Engineer		
5432 Arrowhead	3,332.65	60,000.00
5434 Harbor Grove	238.73	15,000.00
5436 Point Vista	1,886.00	5,000.00
5438 Sycamore Bend	6,732.18	20,000.00
Total Parks Corps of Engineer	12,189.56	100,000.00
Total Expense	12,709.83	104,500.00
Net Ordinary Income	5,642.52	-4,500.00
Net Income	5,642.52	-4,500.00

Town of Hickory Creek Park and Recreation Detail

Accrual Basis

December 2020

	ype Date	Name	Memo	Account	Amount
Ordinary Ir	ncome/Expense				
Inco					
P.	liscellaneous Revenue 4508 Annual Park Passes				
Deposit	12/09/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	400.00
Deposit	12/11/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	100.00 25.00
Deposit	12/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	77.25
Deposit Deposit	12/14/2020 12/14/2020	Deposit	Deposit	4508 Annual Park Passes	125.00
Deposit	12/18/2020	Deposit MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	75.00
Deposit	12/21/2020	Deposit Deposit	Deposit Deposit	4508 Annual Park Passes 4508 Annual Park Passes	100.00
Deposit	12/21/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	25.00 25.75
Deposit	12/24/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	25.00
Deposit	12/28/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	206.00
	Total 4508 Annual Park Passes	5			784.00
	4510 Arrowhead Park Fees				7 0-1.00
Deposit	12/02/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	5.00
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	80.00
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	35.00
Deposit Deposit	12/08/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	50.00
Deposit	12/08/2020 12/11/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	10.00
Deposit	12/14/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees	10.00
Deposit	12/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	40.00
Deposit	12/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	110.00 15.00
Deposit	12/15/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	5.00
Deposit	12/21/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	55.00
Deposit	12/22/2020	Deposit	Deposit	4510 Arrowhead Park Fees	410.00
Deposit Deposit	12/23/2020 12/28/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	45.00
Deposit	12/28/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	30.00
Deposit	12/29/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees	10.00
Deposit	12/29/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	80.00 15.00
Deposit	12/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	15.00
Deposit	12/31/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	5.00
	Total 4510 Arrowhead Park Fee	es ·		-	1,025.00
	4536 Point Vista Park Fees				1,025.00
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4526 Ballat Mata Bard, E	
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	5.00 5.00
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	75.00
Deposit	12/08/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	25.00
Deposit Deposit	12/10/2020 12/11/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	20.00
Deposit	12/11/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Deposit	12/21/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees	20.00
Deposit	12/22/2020	Deposit	Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	25.00
Deposit	12/22/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	40.00 30.00
Deposit	12/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Deposit	12/24/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	30.00
Deposit Deposit	12/28/2020 12/30/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Берозп		MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	30.00
	Total 4536 Point Vista Park Fee	s			335.00
	4550 Sycamore Bend Fees				
Deposit	12/01/2020 12/01/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	10.00
Deposit		MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	55.00
Deposit Deposit	12/02/2020 12/03/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	20.00
Deposit	12/04/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	10.00
Deposit	12/04/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	10.00 10.00
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	90.00
Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
Deposit Deposit	12/07/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	20.00
Deposit	12/09/2020 12/10/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
Deposit	12/11/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	20,00
Deposit	12/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	30.00
Deposit	12/14/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	25.00 70.00
Deposit	12/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
Deposit	12/16/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	15.00
Deposit	12/18/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	35.00
Deposit Deposit	12/21/2020 12/21/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	70.00
Deposit	12/21/2020	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	35.00
Deposit	12/21/2020	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	40.00
Deposit	12/22/2020	Deposit Deposit	Deposit	4550 Sycamore Bend Fees	25.00
Deposit	12/23/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	600.00 90.00
Deposit	12/24/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	40.00
Deposit	12/24/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	5.00
Deposit	12/28/2020	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	100.00
Deposit Deposit		MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	15.00
Deposit		MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	5.00
Deposit		MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	5.00
Deposit		MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	50.00 10.00
			•	-	10.00

Accrual Basis

Town of Hickory Creek Park and Recreation Detail

December 2020

T;	ype Date	Name	Memo	Account	Amount
	Total 4550 Sycamore Bend F	Fees			1,525.00
To	otal Miscellaneous Revenue				3,669.00
Total	Income				3,669.00
Gross Pr	ofit				3.669.00
Expe					0,000.00
Pa	arks and Recreation 5408 Tanglewood Park				
Check	12/02/2020	LCMUA DESUTILITY DD		5408 Tanglewood Park	170.51
	Total 5408 Tanglewood Park			·	170.51
To	otal Parks and Recreation				170.51
Pa	arks Corps of Engineer				170.01
Check	5432 Arrowhead 12/02/2020	MERCHANT SERVICE DESMERCH FEE			
Check	12/15/2020	HUDSON ENERGY SE DESDEBITDEBIT		5432 Arrowhead 5432 Arrowhead	152.94 34.36
Bill Deposit	12/21/2020 12/22/2020	B & G Chemical	Invoice: 4612	5432 Arrowhead	22.49
Bill	12/28/2020	MERCHANT SERVICE DESMERCH DEP B & G Chemical	Deposit Invoice: 4620	5432 Arrowhead	-25.00
Bill	12/28/2020	Ventek International	Invoice, 4620 Invoice# 124684	5432 Arrowhead 5432 Arrowhead	34.98 836.95
Bill	12/28/2020	Verizon Wireless	Invoice# 9868841086	5432 Arrowhead	7.00
	Total 5432 Arrowhead				1,063.72
Check	5434 Harbor Grove 12/15/2020	HUDSON ENERGY SE DESDEBITDEBIT			
Bill	12/21/2020	B & G Chemical	Invoice: 4612	5434 Harbor Grove 5434 Harbor Grove	26.20
Bill	12/28/2020	B & G Chemical	Invoice: 4620	5434 Harbor Grove	22.49 34.97
	Total 5434 Harbor Grove				83.66
	5436 Point Vista				
Check Check	12/02/2020	MERCHANT SERVICE DESMERCH FEE		5436 Point Vista	45.32
Bill	12/15/2020 12/21/2020	HUDSON ENERGY SE DESDEBITDEBIT B & G Chemical	Invoice: 4612	5436 Point Vista	52.54
Bill	12/28/2020	B & G Chemical	Invoice: 4612 Invoice: 4620	5436 Point Vista 5436 Point Vista	22.48
Bill	12/28/2020	Verizon Wireless	Invoice# 9868841086	5436 Point Vista	34.97 7.00
	Total 5436 Point Vista				162.31
Check	5438 Sycamore Bend				
Check	12/02/2020 12/15/2020	MERCHANT SERVICE DESMERCH FEE HUDSON ENERGY SE DESDEBITDEBIT		5438 Sycamore Bend	116.38
Bill	12/21/2020	B & G Chemical	Invoice: 4612	5438 Sycamore Bend 5438 Sycamore Bend	60.03
Bill	12/21/2020	MiTech Services	Invoice: 4120	5438 Sycamore Bend	22.49 24.62
Bill Bill	12/28/2020	B & G Chemical	Invoice: 4620	5438 Sycamore Bend	34.98
	12/28/2020	Verizon Wireless	Invoice# 9868841086	5438 Sycamore Bend	7.00
	Total 5438 Sycamore Bend				265.50
	al Parks Corps of Engineer				1,575.19
	Expense				1,745.70
t Ordinary	Income				1,923.30
come					1,923,30

2:59 AM 02/04/21 Accrual Basis

Town of Hickory Creek Balance Sheet

As of January 31, 2021

	Jan 31, 21
ASSETS Current Assets	
Checking/Savings	
BOA - Parks and Recreation	142,247.17
Total Checking/Savings	142,247.17
Total Current Assets	142,247.17
TOTAL ASSETS	142,247.17
LIABILITIES & EQUITY	0.00

Town of Hickory Creek Park and Recreation Budget vs. Actual October 2020 through January 2021

	Oct '20 - Jan 21	Budget
Ordinary Income/Expense		
Income		
Miscellaneous Revenue 4508 Annual Park Passes	2 222 22	
4506 Annual Park Passes 4510 Arrowhead Park Fees	3,302.60	20,000.00
4516 Corp Parks Fund Reserve	6,997.00	22,000.00
4536 Point Vista Park Fees	0.00 2,545.75	36,500.00
4550 Sycamore Bend Fees	9,453.00	6,500.00 15,000.00
Total Miscellaneous Revenue	22,298.35	100,000.00
Total Income	22,298.35	100,000.00
Gross Profit	22,298.35	100,000.00
Expense		
Capital Outlay		
5022 Parks and Rec Improvements	0.00	0.00
Total Capital Outlay	0.00	0.00
Parks and Recreation		
5402 Events	0.00	1,000.00
5408 Tanglewood Park	692.34	1,500.00
5412 KHCB	275.00	500.00
5414 Tree City USA	0.00	1,500.00
Total Parks and Recreation	967.34	4,500.00
Parks Corps of Engineer		
5432 Arrowhead	4,447.77	60,000.00
5434 Harbor Grove	268.87	15,000.00
5436 Point Vista	2,954.66	5,000.00
5438 Sycamore Bend	7,998.20	20,000.00
Total Parks Corps of Engineer	15,669.50	100,000.00
Total Expense	16,636.84	104,500.00
Net Ordinary Income	5,661.51	-4,500.00

Accrual Basis

Town of Hickory Creek Park and Recreation Detail

January 2021

т	ype Date	Name	Memo	Account	Amount
	ncome/Expense				
Inco	me Iiscellaneous Revenue				
•	4508 Annual Park Passes				
Deposit Deposit	01/04/2021 01/05/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	25.00
Deposit	01/05/2021	Deposit MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes 4508 Annual Park Passes	200.00
Deposit	01/06/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	25.00 25.00
Deposit Deposit	01/06/2021 01/11/2021	Deposit MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes	50.00
Deposit	01/12/2021	Deposit	Deposit	4508 Annual Park Passes 4508 Annual Park Passes	100.00 150.00
Deposit Deposit	01/12/2021 01/13/2021	MERCHANT SERVICE DESMERCH DEP Deposit	Deposit	4508 Annual Park Passes	100.00
Deposit	01/13/2021	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes 4508 Annual Park Passes	50.00 25.75
Deposit Deposit	01/15/2021 01/19/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	200.00
Deposit	01/19/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes 4508 Annual Park Passes	100.00 100.00
Deposit Deposit	01/20/2021	Deposit	Deposit	4508 Annual Park Passes	75.00
Deposit	01/20/2021 01/21/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes 4508 Annual Park Passes	100.00
Deposit	01/25/2021	Deposit	Deposit	4508 Annual Park Passes	51.50 25.00
Deposit Deposit	01/25/2021 01/26/2021	Deposit MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4508 Annual Park Passes	100.00
Deposit	01/26/2021	Deposit	Deposit	4508 Annual Park Passes 4508 Annual Park Passes	100.00 100.00
Deposit	01/27/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4508 Annual Park Passes	100,00
	Total 4508 Annual Park Passes	S			1,802.25
Deposit	4510 Arrowhead Park Fees 01/04/2021	MERCHANT SERVICE DESMERCH DEP	Donasit		
Deposit	01/04/2021	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	35.00 30.00
Deposit Deposit	01/05/2021 01/07/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	60.00
Deposit	01/11/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	40.00 50.00
Deposit	01/15/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	20.00
Deposit Deposit	01/19/2021 01/19/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees	70.00
Deposit	01/19/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	20.00 60.00
Deposit Deposit	01/20/2021 01/20/2021	Deposit MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	233.00
Deposit	01/20/2021	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	45.00 25.00
Deposit Check	01/21/2021 01/22/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	5.00
Deposit	01/25/2021	Rong Sao MERCHANT SERVICE DESMERCH DEP	Pay station Reimbursement Deposit	4510 Arrowhead Park Fees 4510 Arrowhead Park Fees	-20.00 30.00
Deposit Deposit	01/25/2021 01/25/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	25.00
Берози	Total 4510 Arrowhead Park Fee	MERCHANT SERVICE DESMERCH DEP	Deposit	4510 Arrowhead Park Fees	<u>20.00</u> 748.00
	4536 Point Vista Park Fees				740.00
Deposit	01/05/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	20.00
Deposit Deposit	01/06/2021 01/11/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	10.00
Deposit	01/11/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	5.00 20.00
Deposit	01/12/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00
Deposit Deposit	01/13/2021 01/13/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	25.00
Deposit	01/14/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00 5.00
Deposit Deposit	01/15/2021 01/20/2021	MERCHANT SERVICE DESMERCH DEP Deposit	Deposit Deposit	4536 Point Vista Park Fees	25.75
Deposit	01/22/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	10.00 15.00
Deposit Deposit	01/22/2021 01/25/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00
Deposit	01/25/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	15.00 15.00
Deposit Deposit	01/26/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	25.00
Deposit	01/26/2021 01/27/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4536 Point Vista Park Fees 4536 Point Vista Park Fees	10.00 5.00
Deposit Deposit	01/29/2021 01/29/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00
Берози	Total 4536 Point Vista Park Fee	MERCHANT SERVICE DESMERCH DEP	Deposit	4536 Point Vista Park Fees	5.00
	4550 Sycamore Bend Fees	-			230.75
Deposit Deposit	01/04/2021 01/04/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	180.00
Deposit	01/04/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	5.00
Deposit	01/05/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	15.00 50.00
Deposit Deposit	01/06/2021 01/06/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	25.00
Deposit	01/07/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	25.00 45.00
Deposit Deposit	01/08/2021 01/11/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	10.00
Deposit	01/14/2021	MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	30.00 10.00
Deposit Deposit	01/14/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	30.00
Deposit	01/15/2021 01/19/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	10.00 25.00
Deposit	01/19/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees	40.00
Deposit Deposit	01/19/2021 01/20/2021	MERCHANT SERVICE DESMERCH DEP Deposit	Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	30.00
Deposit	01/20/2021	MERCHANT SERVICE DESMERCH DEP	Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	495.00 70.00
Deposit Deposit	01/21/2021 01/27/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit	4550 Sycamore Bend Fees	10.00
		CONTROL DEGINENOTI DEF	Deposit	4550 Sycamore Bend Fees	20.00

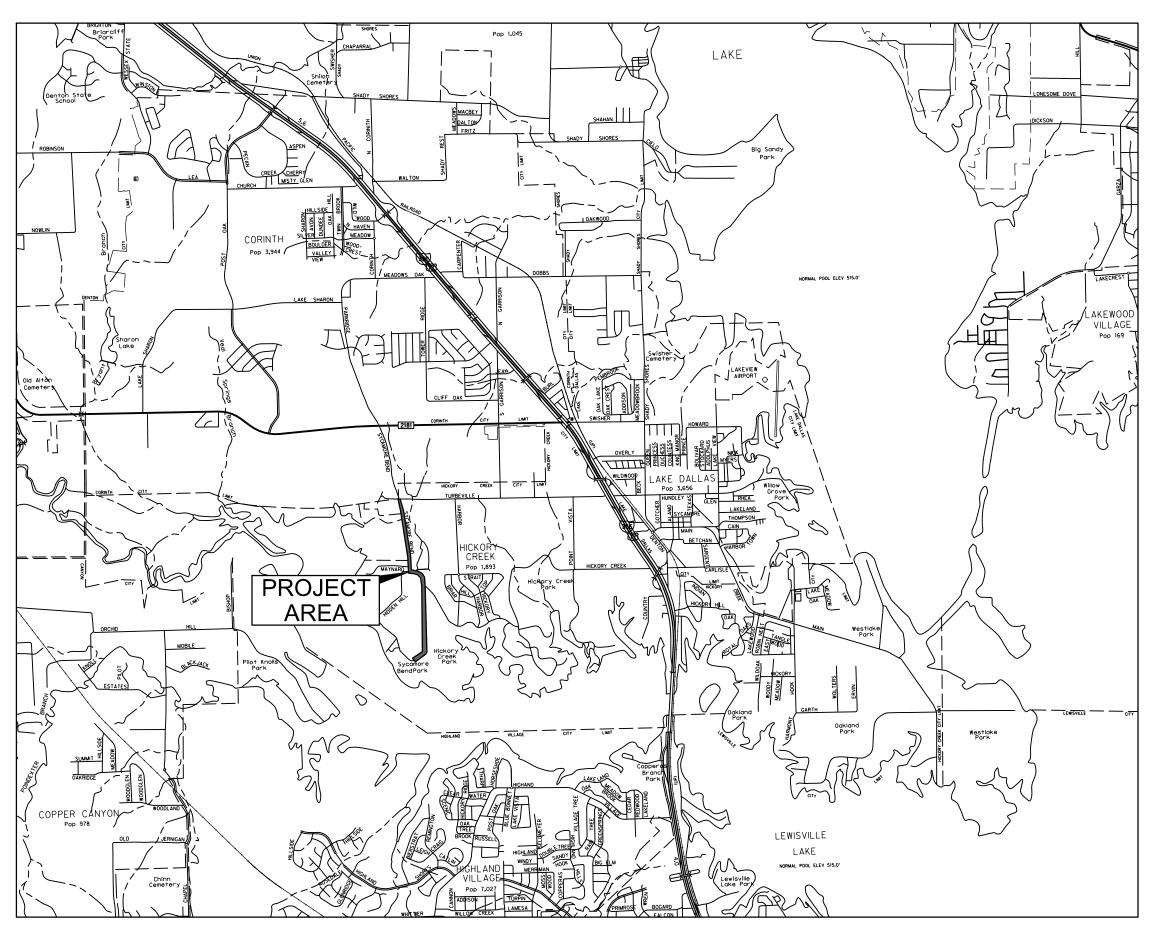
Town of Hickory Creek Park and Recreation Detail

Accrual Basis January 2021

1	Type Date	Name	Memo	Account	Amount
Deposit Deposit Deposit	01/28/2021	MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP MERCHANT SERVICE DESMERCH DEP	Deposit Deposit Deposit	4550 Sycamore Bend Fees 4550 Sycamore Bend Fees 4550 Sycamore Bend Fees	20.00 15.00 5.00
	Total 4550 Sycamore Bend Fe	ees		•	1,165,00
7	otal Miscellaneous Revenue				3,946,00
Tota	I Income				3,946.00
Gross P	Profit				3,946.00
Expe P Check	arks and Recreation 5408 Tanglewood Park				5,5 .5.55
Check	01/11/2021 01/12/2021	LCMUA DESUTILITY DD HUDSON ENERGY SE DESDEBITDEBIT		5408 Tanglewood Park 5408 Tanglewood Park	160.02 12.05
	Total 5408 Tanglewood Park				172.07
Check Check	5412 KHCB 01/20/2021 01/28/2021	Dinah Stults CHECKCARD 0127 KEEP TEXAS BEAUT	Reimbursement for NWF Certification of Town P	5412 KHCB 5412 KHCB	100.00 175.00
	Total 5412 KHCB				275.00
Т	otal Parks and Recreation				447.07
Check Check Bill Bill Bill	arks Corps of Engineer 5432 Arrowhead 01/04/2021 01/15/2021 01/15/2021 01/27/2021	MERCHANT SERVICE DESMERCH FEE HUDSON ENERGY SE DESDEBITDEBIT MiTech Services Ventek International Verizon Wireless	Invoice: 4172 Invoice# 125148 Invoice# 9870958234	5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead 5432 Arrowhead	77.90 32.88 27.34 970.00 7.00
	Total 5432 Arrowhead			5 102 7 11 5 11 1 CQG	
Check	5434 Harbor Grove 01/12/2021	HUDSON ENERGY SE DESDEBITDEBIT		5434 Harbor Grove	1,115.12 30.14
	Total 5434 Harbor Grove				30.14
Check Check Bill Bill	5436 Point Vista 01/04/2021 01/12/2021 01/15/2021 01/27/2021	MERCHANT SERVICE DESMERCH FEE HUDSON ENERGY SE DESDEBITDEBIT Ventek International Verizon Wireless	Invoice# 125148 Invoice# 9870958234	5436 Point Vista 5436 Point Vista 5436 Point Vista 5436 Point Vista	35.97 55.69 970.00 7.00
	Total 5436 Point Vista				1,068.66
Check Check Bill Check Bill	5438 Sycamore Bend 01/04/2021 01/12/2021 01/15/2021 01/15/2021 01/27/2021	MERCHANT SERVICE DESMERCH FEE HUDSON ENERGY SE DESDEBITDEBIT Ventek International CHECKCARD 0114 SOLAR ELECTRIC P Verizon Wireless	Invoice# 125148 Invoice# 9870958234	5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend 5438 Sycamore Bend	69.39 59.48 970.00 160.15 7.00
	Total 5438 Sycamore Bend			•	1,266.02
To	otal Parks Corps of Engineer				3,479.94
Total	Expense			•	3,927.01
Ordinary	Income			-	18.99
ome				-	18,99
				=	,,,,,

CONSTRUCTION DOCUMENTS FOR TOWN OF HICKORY CREEK SYCAMORE BEND ROAD

60% DESIGN SUBMITTAL



TOWN OF HICKORY CREEK, DENTON COUNTY, TX JANUARY 2021



HALFF ASSOCIATES, INC.
TBPELS ENG. FIRM NO. F-312

PRELIMINARY - FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW
AND NOT INTENDED FOR CONSTRUCTION,
BIDDING OR PERMIT PURPOSES. THEY WERE
PREPARED BY, OR UNDER THE SUPERVISION OF:
KEVIN J. GRONWALDT 130871 1/13/2021
Name PE# Date

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          SHEET INDEX
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          GENERAL NOTES (SHEET 2 OF 2)
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         TYPICAL SECTIONS
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          DEMOLITION PLAN - STA 11+00 TO STA 21+00
          DEMOLITION PLAN - STA 21+00 TO STA 31+00
          DEMOLITION PLAN - STA 31+00 TO STA 40+00
          DEMOLITION PLAN - STA 40+00 TO STA 50+00
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          DEMOLITION PLAN - STA 50+00 TO END
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         PAVING PLAN AND PROFILE - STA 6+00 TO STA 11+00
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         PAVING PLAN AND PROFILE - STA 11+00 TO STA 16+00
         PAVING PLAN AND PROFILE - STA 16+00 TO STA 21+00
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         PAVING PLAN AND PROFILE - STA 26+00 TO STA 31+00
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         PAVING PLAN AND PROFILE - STA 56+00 TO END
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          GRADING PLAN - STA 11+00 TO STA 21+00
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          GRADING PLAN - STA 21+00 TO STA 31+00
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         GRADING PLAN - STA 31+00 TO STA 40+00
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          GRADING PLAN - STA 40+00 TO STA 50+00
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          EROSION CONTROL PLAN - STA 11+00 TO STA 21+00
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          EROSION CONTROL PLAN - STA 21+00 TO STA 31+00
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          EROSION CONTROL PLAN - STA 31+00 TO STA 40+00
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          EROSION CONTROL PLAN - STA 40+00 TO STA 50+00
50
          EROSION CONTROL PLAN - STA 50+00 TO END
51
          PAVEMENT MARKING AND SIGNAGE PLAN - BEGIN TO STA 11+00
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          PAVEMENT MARKING AND SIGNAGE PLAN - STA 11+00 TO STA 21+00
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          PAVEMENT MARKING AND SIGNAGE PLAN - STA 21+00 TO STA 31+00
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          PAVEMENT MARKING AND SIGNAGE PLAN - STA 31+00 TO STA 40+00
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          PAVEMENT MARKING AND SIGNAGE PLAN - STA 40+00 TO STA 50+00
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          TOWN OF HICKORY CREEK PAVEMENT STANDARD DETAILS
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          TOWN OF HICKORY CREEK PAVEMENT STANDARD DETAILS
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	CUEET NO	NESCRIPTION
	SHEET NO. 63	DESCRIPTION TOWN OF HICKORY OREEK DAVEMENT STANDARD DETAILS
	64	TOWN OF HICKORY CREEK PAVEMENT STANDARD DETAILS
	65	TOWN OF HICKORY CREEK STORM DRAIN STANDARD DETAILS
	66	TOWN OF HICKORY CREEK STORM DRAIN STANDARD DETAILS
	67	TOWN OF HICKORY CREEK STORM DRAIN STANDARD DETAILS
	68	TOWN OF HICKORY CREEK STORM DRAIN STANDARD DETAILS
	69	TOWN OF HICKORY CREEK EROSION CONTROL STANDARD DETAILS
	70	TOWN OF HICKORY CREEK EROSION CONTROL STANDARD DETAILS
	70 71	TXDOT TRAFFIC CONTROL DETAIL
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	84	CROSS SECTIONS - STA 10+00 TO STA 13+50
8	85	CROSS SECTIONS - STA 14+00 TO STA 17+50
8	86	CROSS SECTIONS - STA 18+00 TO STA 21+50
8	87	CROSS SECTIONS - STA 22+00 TO STA 25+50
8	88	CROSS SECTIONS - STA 26+00 TO STA 29+50
8	89	CROSS SECTIONS - STA 30+00 TO STA 33+50
	90	CROSS SECTIONS - STA 34+00 TO STA 37+50
	91	CROSS SECTIONS - STA 38+00 TO STA 41+50
	92	CROSS SECTIONS - STA 42+00 TO STA 45+50
	93	CROSS SECTIONS - STA 46+00 TO STA 49+50
(94	CROSS SECTIONS - STA 50+00 TO STA 53+50
(95	CROSS SECTIONS - STA 54+00 TO STA 57+50
	96	CROSS SECTIONS - STA 58+00 TO END

SHEET INDEX

HALFF ASSOCIATES, INC. TBPELS ENG. FIRM NO. F-312

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KEVIN J. GRONWALDT 130871 1/13/2021



PUBLIC WORKS
TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

SHEET INDEX 4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

JANUARY 2021 2

SHEET TITLE

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GENERAL CONSTRUCTION NOTES PAVING GENERAL NOTES

- All construction shall be in accordance with the standard specifications and details of the Town of Hickory Creek and the Fifth Edition of the "Standard" reports shall be turned in to the Town Inspector within Specifications for Public Works Construction - North Central Texas' herein referred to as 'COG'. Copies may be obtained from the North Central Texas Council of Governments, 616 Six Flags Drive, Suite 200, Arlington, Texas 76005-5888.
- 2. Subgrade preparation shall be in accordance with COG Item 301.
- 3. Lime Stabilized subgrade shall be installed in accordance with COG Item 301.2. Lime shall be placed using the slurry method, to be mixed on-site and not trucked in. Refer to COG Item 301.2.1.1.
- 4. The Contractor shall install supporting chairs for reinforcing steel on a one per square yard spacing in all concrete pavements. The chairs are to be plastic and installed as per COG Item 303.2.11.
- 5. 20% (by weight) of the cement content may be replaced with Type C fly ash. Refer to COG Item 303.2.4.
- 6. Concrete for all paving and curbs within Town of Hickory Creek shall have a minimum strength of 4.000 psi at 28 days for machine paved and 4.500 psi at 28 days for hand poured. The Town shall approve the concrete mix design in writing prior to use.
- 7. Slump requirements for slip form paving shall be on average of three inches with a maximum of four inches; for hand formed paving it shall be an average of four inches with a maximum of five inches; and for sidewalk & other it shall be specified by the owner. Refer to COG Item 303.3.4.4.
- 8. Curbs for concrete pavement shall be poured monolithically. Refer to COG Item 303.5.9.
- 9. The Contractor shall use a liquid membrane-forming compound as per COG Item 303.2.13.1.1.
- 10. Construction joints shall be used in all bock-outs for driveways and inlets.
- 11. Transverse joints shall be sawed on 15 foot centers for all pavement thicknesses. The concrete saw must be stationed on the job-site prior to placing the pavements. All joints shall be sawed within an eighteen (18) hour period from the time of the pour.
- 12. Construction and longitudinal joints shall be placed in accordance with details. Saw joints to be 1/4 inch for each inch of pavement thickness.
- 13. The Contractor shall submit a Jointing Plan, for review by the Town, prior to placing.
- 14. Parkway, roadway ditches and adjacent disturbed areas for paving of roadways in undeveloped areas shall be seeded with Bermuda grass. Parkway and adjacent disturbed areas for paving of roadways in developed areas shall be block sodded with either Bermuda or St. Augustine to match the adjacent private property. Medians shall be block sodded. All sodding and seeding will be placed on four inches of topsoil. The Contractor is responsible for maintenance, including mowing and watering until vegetation is established at not less than 20 plants per square foot area, and until accepted by the Town.

Unless stated otherwise in the Contract Documents. the Contractor is responsible for all testing. All final five (5) working days. Failed samples must be reported to the Town Inspector immediately.

- The CONTRACTOR shall be responsible for notifying the Town Inspector at least 24 hours prior to any required testing.
- Soil testing technicians shall provide written proof of having minimum of two (2) years of related field experience.
- The CONTRACTOR shall coordinate all testina activities with the Town Inspector and shall facilitate required testing throughout the construction period. The Inspector shall be present during all testing.
- The Town shall make final decision as to the validity of all testina results.
- The CONTRACTOR shall be responsible for ensuring that materials to be tested are in compliance with all plans and specifications prior to testing. All materials found not to be in compliance with the plans and specifications before and after testing shall be removed and replaced at the CONTRACTOR'S expense.
- All costs associated with the retesting of work that fails to meet the specifications required in the contract documents shall be borne by the CONTRACTOR For Town projects retesting cost shall be withheld from pay requests submitted by the CONTRACTOR, this cost will be based on the Towns cost with no additional mark-up. A letter of acceptance will not be issued until all testing deficiencies are addressed and all related cost
- g. The Town Inspector shall be notified of concrete placement 24 hours in advance for steel and form inspection.
- Subgrade Testing
- 1). Samples shall be taken for all classifications of soils on site. Testing for sulfate presence and lime series tests shall be conducted for all samples prior to any stabilization. If sulfate content is greater than 2,000 ppm (parts per million), specific recommendation shall be made by geotechnical engineer for subgrade preparation and thicker pavement section to be approved by the Town. The use of lime or cement and the percent content shall comply with the Geotech recommendations. Engineer Additional geotechnical testing and recommendations may be required by Town as field conditions dictate. Atterberg Limits shall be determined on all Proctor samples.
- 2). Gradations for lime treated subgrade shall be taken at intervals not exceeding 300 feet along road and must pass 100% through a 1 3/4" sieve and 60% through a No. 4 sieve according to NCTCOG Item 301.2.3.5.1.

- Gradations for Portland cement treated subgrade shall be taken at intervals not exceeding 100 feet along road and must pass 100% through a 1" sieve and 80% through a No. 4 sieve according to NCTCOG Item 301.3.3.2.
- 4). Lime subgrade shall be tested in accordance with NCTCOG Item 301.2.1.3. Tests will be performed by excavating deeper than lime treatment and administering a phenolphthalein indicator.
- 5). Densities shall be taken on subgrade in accordance with the Wastewater General Notes 15.i.3 Mechanical Tamping and in accordance with NCTCOG Item 301.2.3.6 unless otherwise stated on the plans or in the specifications.
- 6). All subgrade shall be visually 'proof rolled' after it is trimmed and prior to placement of steel.
- 7). Densities shall be taken at least 72 hours before concrete placement (NCTCOG Item 303.5.1). If more than 72 hours elapse, densities must be retaken unless an approved emulsion sealant is used in accordance with NCTCOG Item 302.3.5.
- Locations for densities, gradations, and depth checks shall be at the discretion of the Inspector and shall be representative of the entire cross section of the subgrade.
- 9). Subgrade failures shall be defined by Inspector or ENGINEER. Repair method will be discussed with Inspector or ENGINEER and approved prior to beginning repair work.
- 10). Multiple tests may be required across width of right-of-way.
- 11). For emulsion placement over subgrade refer to NCTCOG Item 302.3.5.2.
- Concrete Testing for Pavements, Curbs, Sidewalks and Driveways.
- 1). A concrete mix design must be submitted and approved by the Town prior to any placement of concrete. A minimum of four (4) test cylinders shall be obtained per one hundred cubic yards (100 cy) of concrete placed with a minimum of four cylinders per placement. Tests shall also include slump, air contents and temperature of concrete mixture; each mix design of concrete placed each day shall also be tested. Concrete strength shall be tested at 7 days (2 cylinders) and 28 days (2 cylinders). Additional cylinders and or tests may be requested at the Town Inspector's discretion.
- 2). Concrete with a temperature of 85 degrees or higher will require a retarding agent admixture.
- 3). The maximum temperature of concrete at the time of placement shall not exceed 95 degrees. It shall be the CONTRACTOR and/or his supplier's responsibility to take steps to control the temperature of concrete. All concrete that exceeds the temperature limit of 95 degrees will be rejected.

- 4). Forms shall not be removed from pavement. sidewalks, ramps, or retaining walls for 24 hours minimum, and shall not be backfilled less than 72 hours after concrete placement. Pavement shall have a minimum cure time of 7 days, but may be opened to traffic earlier at the discretion of the Inspector or ENGINEER only after review of compressive strength data. Temporary perpendicular crossings may be made after 72 hours by ramping soil over the new pavement at a depth of not less than 18-inches and a width of not less than 10-feet. Prior to grout wiping any concrete, CONTRACTOR shall demonstrate method of surface preparation to ensure adhesion of grout.
- 5). All street pavement shall be cored to verify proper pavement thickness and strength prior to acceptance. Cores for strength and depth shall be 4-inches diameter and taken at intervals not exceeding 600 feet; cores for depth only shall be 2-inches diameter and shall be taken at intermediate intervals not exceeding 300-feet. Locations will be approved by the Town. Multiple cores may be required at each interval to represent entire cross section. All cores shall be taken at 28 days and results shall be correlated with the cylinder test results. Evaluation of cores will be in accordance with NCTCOG Item 303.8.2. All required pavement replacement shall be in full panel increments.
- Hot-Mix Asphalt Concrete Pavement Testing
- 1). Specifications shall follow COG Item 302 and conform to the TxDOT Standard for Hot-Mix Asphaltic Concrete.
- 2). The asphaltic mixture shall be tested for oven burn off/gradation and stability.
- 3). A relative density of not less than 92% will be required after final compaction of the in-place pavement section. The CONTRACTOR shall schedule the CMT Laboratory to come out in the field and establish a rolling pattern. The use of nuclear field density determinations shall oat be accepted as the basis for acceptance with respect to density. The CONTRACTOR shall be responsible for assuring that the compaction of the asphaltic concrete in place will attain between 5% and 9% (five and nine percent) air voids. The CONTRACTOR's responsibility for the required compaction includes the selection of rolling equipment and selection of rolling patterns to achieve the required compaction.
- 4). HMAC mix temperature range at time of placement shall be between 260 degrees and 325 degrees. The asphaltic mixture shall not be placed when the air temperature is below 50 degrees but may be placed when the air temperature is above 40 degrees and rising, the temperature being taken in the shade and away from artificial heat.

- 5). In-place compaction control is required for all mixtures. Asphaltic concrete should be placed and compacted to contain not more than 9% (nine percent) nor less than 5% (five percent) air void unless otherwise indicated. The percent air voids will be calibrated using the maximum theoretical specific gravity of the mixture determined according to TxDOT Test Method Tex-227-F Roadway Specimen, which shall either be cores or sections of pavement. will be tested according to TxDOT Test Method Tex-207-F. The same specimen shall be used in determining both the theoretical density and field density.
- 6). Prime coat will follow COG Items 302.7 and 302.9.6.1.
- 7). Tack coat will follow COG Specifications item 302.9.6.2.
- HMAC mix designs shall follow COG Item 302.9.3 and the grading tables included in this section. These mixtures will be in accordance with TXDOT Test Method Tex-204-F, design of Bituminous Mixtures.

HALFF ASSOCIATES, INC. TBPELS ENG. FIRM NO. F-312

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HICKORY CREEKTX City-close, lakeside living!

GENERAL CONSTRUCTION NOTES STORM DRAIN GENERAL NOTES

- All construction shall be in accordance with the standard specifications of the Town of Hickory Creek and the Fifth Edition of the 'Standard Specifications for Public Works Construction - North g. Central Texas' herein referred to as 'COG' specifications. Copies may be obtained from the North Central Texas Council of Governments, 616 Six Flags Drive, Suite 200, Arlington, Texas 76005-5888. (817) 640-3300.
- 2. Storm drain lines shall be installed per COG Item 508 specifications.
- 3. Only Reinforced Concrete Pipe (RCP) or Reinforced Concrete Box (RCB) is approved for use in public right-of-way or easements.
- 4. For pipes, embedment shall be per the Street Backfill & Repair detail on the Backfill / Embedment Standard Detail. For box culverts, embedment h. shall be per the Box Culvert Embedment detail on the Backfill / Embedment Standard Detail.

Note that Plowable backfill is only required below areas to be paved.

- 5. The CONTRACTOR shall seal all joints on closed conduits with Omni-Flex Joint seals, or equal; unless approved otherwise by the Town.
- All concrete to be used in pre-cast products for reinforced concrete pipes or boxes shall come from plants certified by the National Pre-cast Concrete Association.
- 7. The CONTRACTOR shall use only pre-fabricated fittings on new construction projects. Field connections shall be made only to existing pipe with Town approval. The connection shall be a smooth connection and concrete wrapped on the outside and inside.
- 8. Concrete collars shall be constructed per the Concrete Collar Details on the Headwalls & Pipe Collars Standard Detail at all storm drain size and at grade changes or in curves where the joint is being pulled more than recommended by the manufacturer. Please refer to the details on the Headwalls & Pipe Collars Standard Detail and COG Item 508.3.4.1 specifications.
- All inlets shall be poured in place. Precast inlets. iunction boxes, manholes, and headwalls are not allowed without prior approval from Town Engineer.
- 10. Bottoms, tops, and variable height curb to be separate pours (3 pours) for curb inlets.
- 11. Curb inlet bottoms shall be poured prior to any paving.
- 12. Ring and cover on curb inlets to be located directly over the outlet pipe.
- 13. Concrete shall be made with a minimum of 5 sacks of cement and have a minimum compressive strength of 3,600 PSI at 28 days.
- 14. All reinforcing steel shall be new, neat, billet-steel per ASTM designation A-615, Grade 60, and shall be detailed and placed for ACI Manuals SP-88 and 318, latest additions. All reinforcing steel shall have minimum 15 inch lap splices, unless noted otherwise on the plans.
- 15. The CONTRACTOR shall use a liquid membrane-forming curing compound per COG Item 303.2.13.1.1.

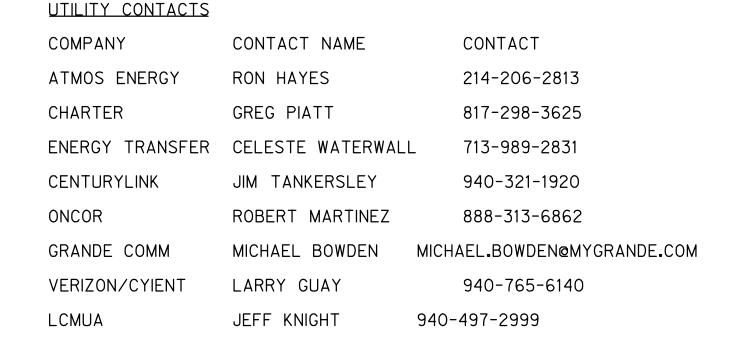
- 16. All exposed surfaces shall have 3/4 -inch chamfer.
- 17. All closed conduits shall be Television Inspected.
- 18. The CONTRACTOR shall be responsible for notifying the Town Inspector at least 24 hours prior to any required testina.
 - a. Soil and material testing technicians shall provide written proof of having minimum of two (2) years of related field experience.
 - b. The CONTRACTOR shall coordinate all testing activities with the Town Inspector and shall facilitate required testing throughout the construction period. The Inspector shall be present during all testing.
 - c. The Town shall make final decision as to the validity of all testing results.
 - d. The CONTRACTOR shall be responsible for ensuring that materials to be tested are in compliance with all plans and specifications prior to testing. All materials found not to be in compliance with the plans and specifications before and after testing shall be removed and replaced at the CONTRACTOR'S expense.
 - e. All costs associated with the retesting of work that fails to meet the specifications required in the contract documents shall be borne by the CONTRACTOR. For Town projects, retesting cost shall be withheld from pay requests submitted by the CONTRACTOR. this cost will be based on the Town's cost with no additional mark-up. A letter of acceptance will not be issued until all testina deficiencies are addressed and all related cost paid.
 - f. The Town Inspector shall be notified of concrete placement 24 hours in advance for steel and form inspection.
 - a. One set of four cylinders (2-7 day, 2-28 day) for cast-in-place concrete shall be made for every day that concrete is placed (ASTM C-31). Air, slump, and temperature tests shall be taken for every set of cylinders made. Concrete with a temperature above 95 degrees will be rejected. Additional cylinders and or tests may be requested at the Inspector or ENGINEER's discretion. Exterior forms shall not be removed for a minimum of 24 hours unless approved by Inspector or ENGINEER. Sulfate resistant concrete shall be used for all manholes.
 - h. Backfill and Density Testing
 - 1). All trenches shall be backfilled in accordance with standard details and mechanically compacted with approved vibratory methods in accordance with COG Item 504.5.3.2.1 and paragraph 3) below unless otherwise stated on the plans or in the specifications.

2). Densities shall conform to standard trench details, COG Item 504.5.3.2.1, and Paragraph 3) below unless otherwise stated on the plans or in the specifications. Proctor samples shall be taken for all classifications of soil on site. Atterberg Limits shall be determined on all Proctor samples. No 'potholing' will be allowed. Densities shall be taken on all storm drain laterals within the Right-of-Way and shall conform to Paragraph 3) below and COG Item 504.5.3.2.1, unless otherwise stated on the plans or in the specifications. Backfill adjacent to all structures shall be compacted manually and density tested on every lift.

3). Mechanical Tampina of Backfill

- 1. All ditch lines and bore pits shall be mechanically tamped.
- 2. Backfill, other than select fill, may consist of onsite or off site inorganic soils and should be placed in loose lifts 6-inches -8-inches in thickness (not to exceed 12-inches) and should be mechanically compacted to 98 percent of the maximum dry density as defined by ASTM D-698 (Standard Proctor) procedures under existing and proposed pavement, and to 95 percent standard proctor procedures elsewhere. The moisture content of the fill at the time of compaction shall be between minus 2% of optimum to four percentage points above the proctor optimum value.
- 3. All backfill material to be select native material, 6' diameter clods and smaller, unless directed otherwise on the plans or in the specifications and to be mechanically tamped and density controlled as described in Paragraph b) above.
- 4. Water Jetting is not permitted.
- 5. Densities shall be taken every one (1) lift at staggered locations not to exceed 200 feet increments. Offset fifty (50') feet every other lift.

Densities may be taken at typicallocations as shown below: also, densities will be taken at random locations and at the geotechnician's discretion.



0+00 0+50 2+00 (MAX) FILLI% AREA - (Legend: X denotes densities)

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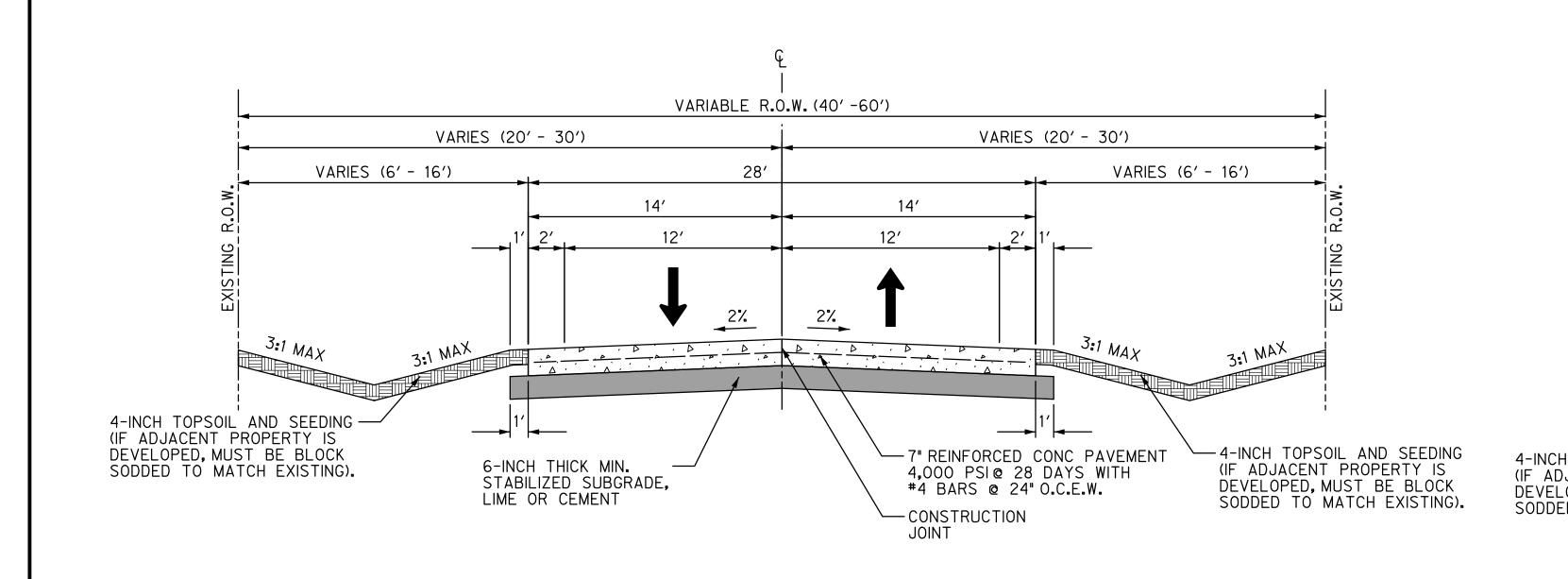
PUBLIC WORKS TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

GENERAL NOTES (SHEET 1 OF 2)

4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 IBPELS Engineering Firm #312

SHEET **JANUARY** 2021

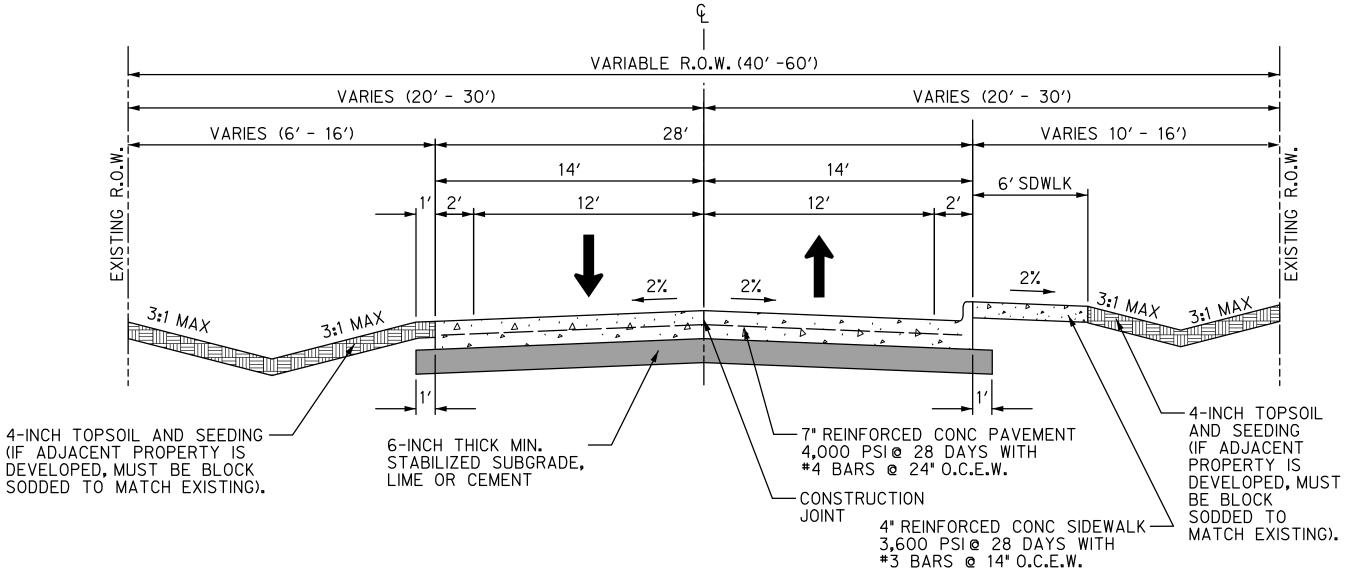


SYCAMORE BEND ROAD - TYPICAL SECTION

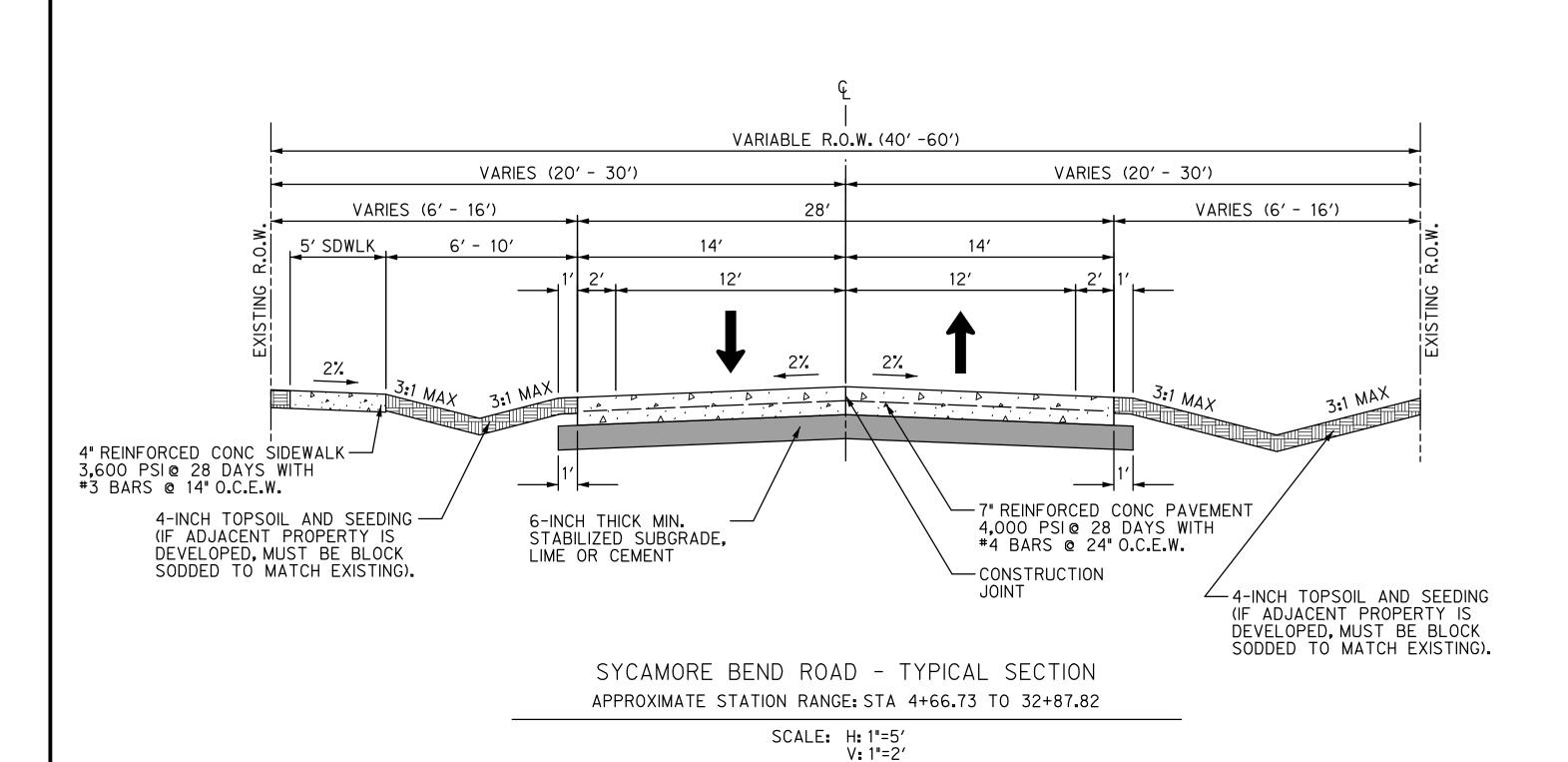
APPROXIMATE STATION RANGE: STA 1+00 TO 4+66.73

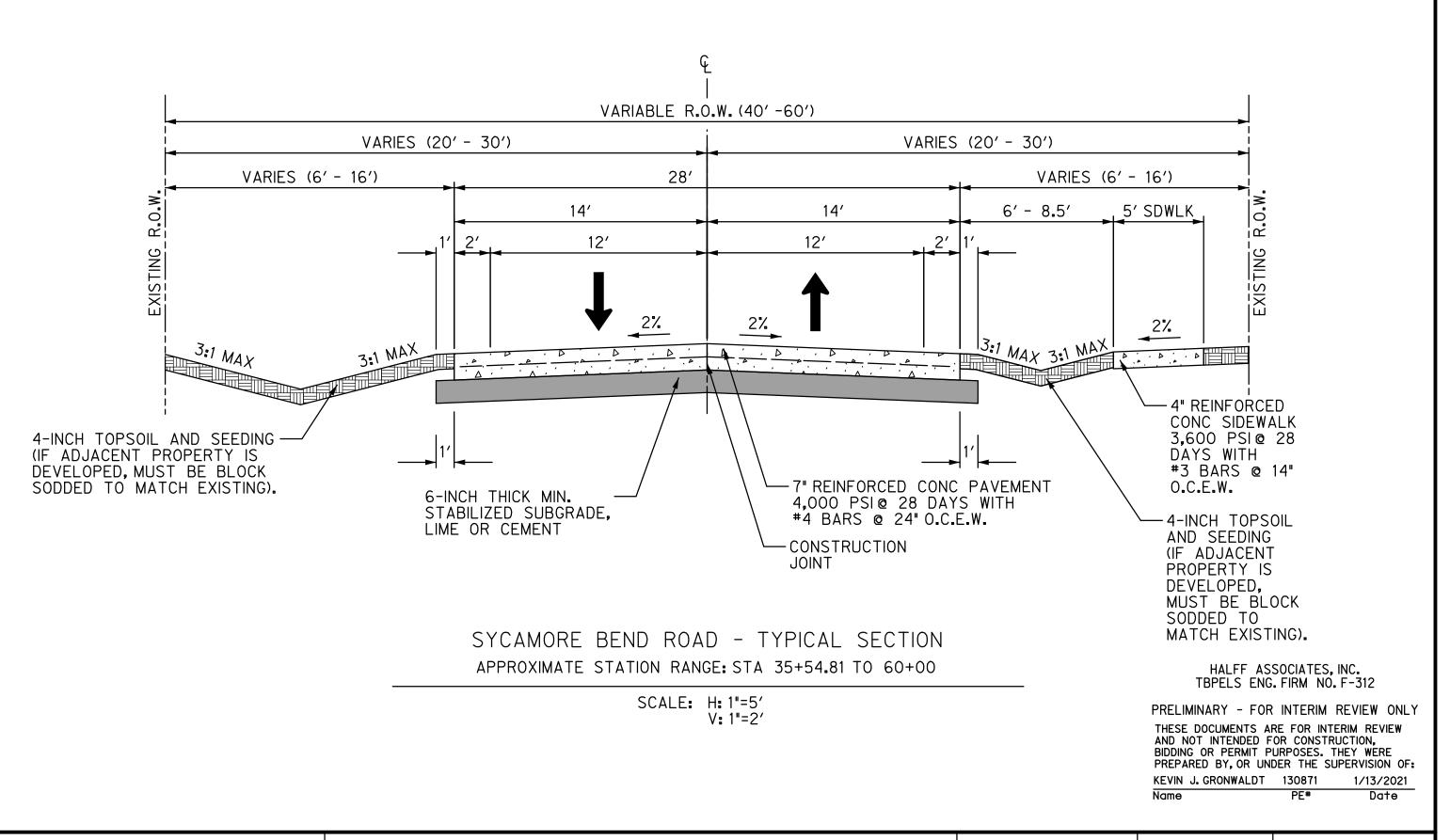
SCALE: H: 1"=5'

V: 1"=2'



SYCAMORE BEND ROAD - TYPICAL SECTION APPROXIMATE STATION RANGE: STA 33+87.82 TO 35+54.81 SCALE: H: 1"=5' V: 1"=2′





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PUBLIC WORKS TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

TYPICAL SECTIONS

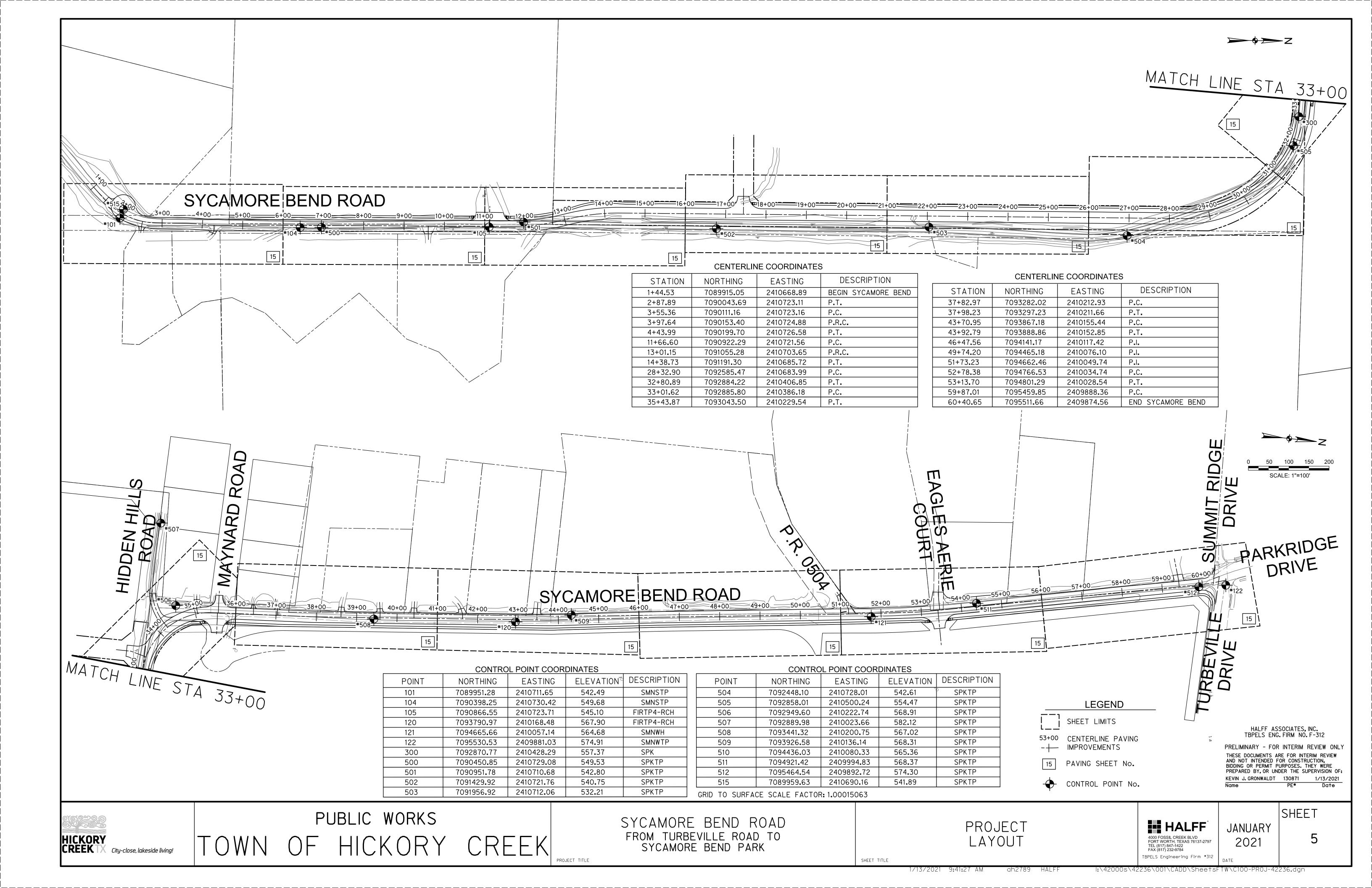
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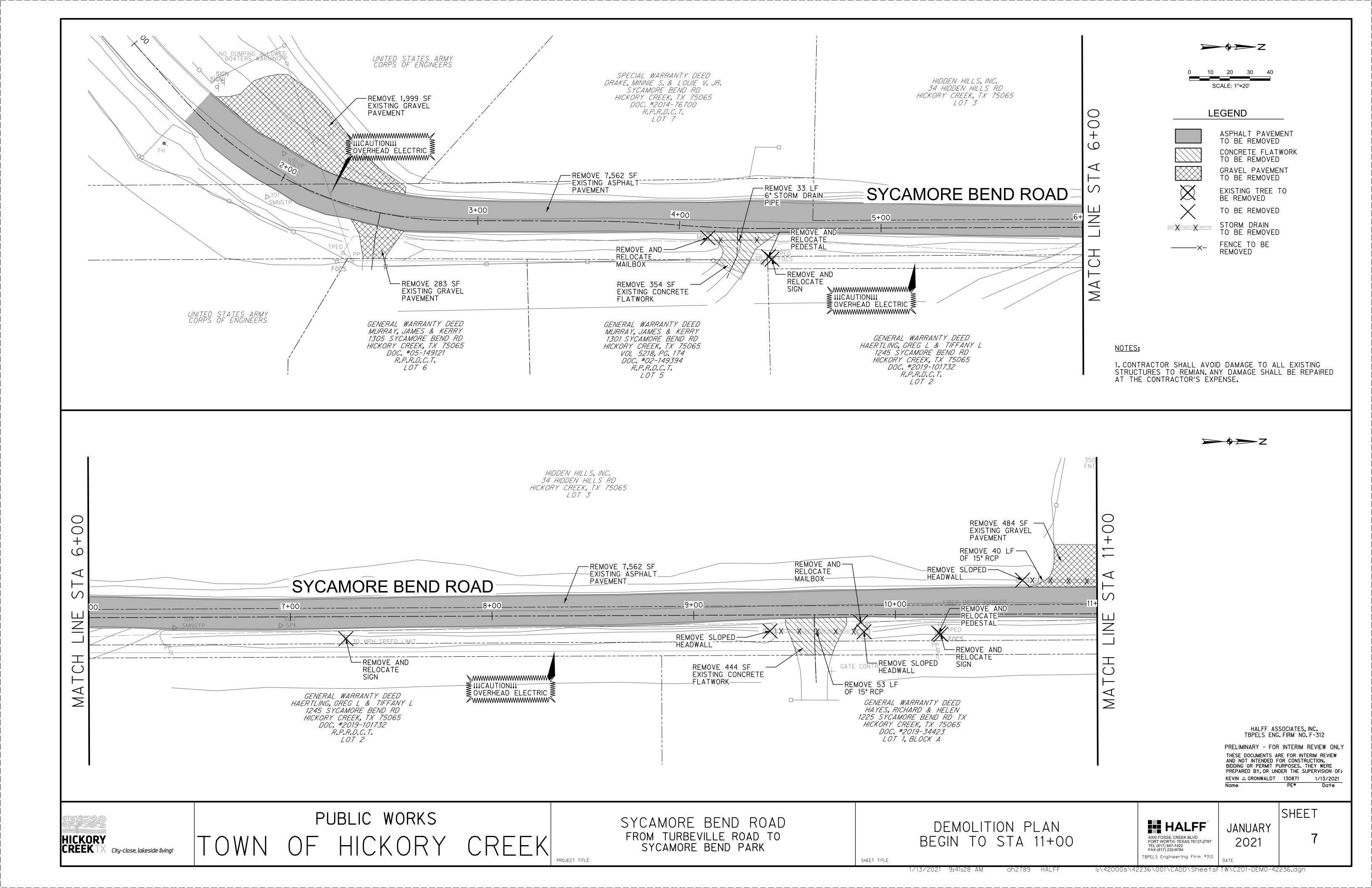
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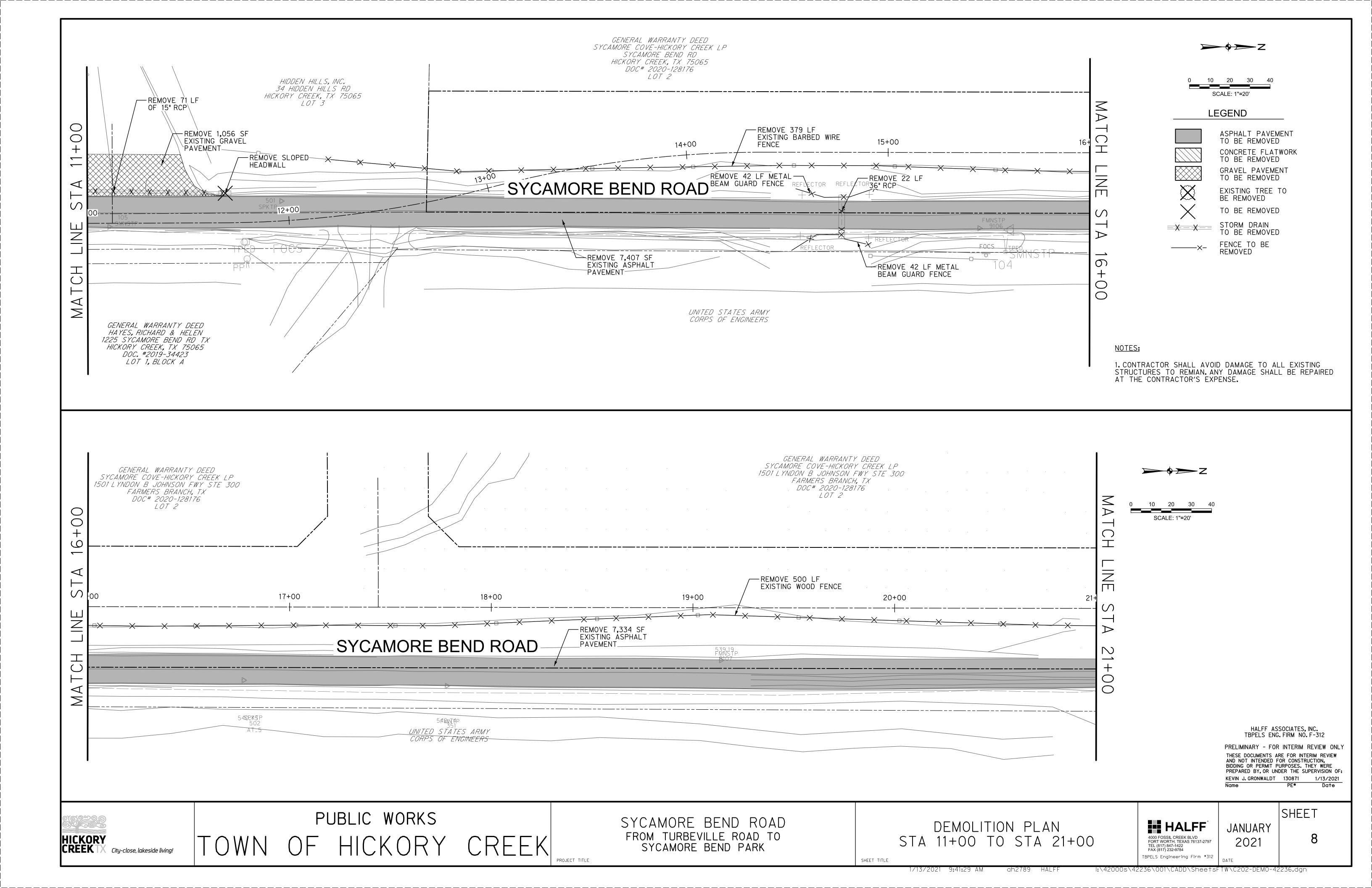
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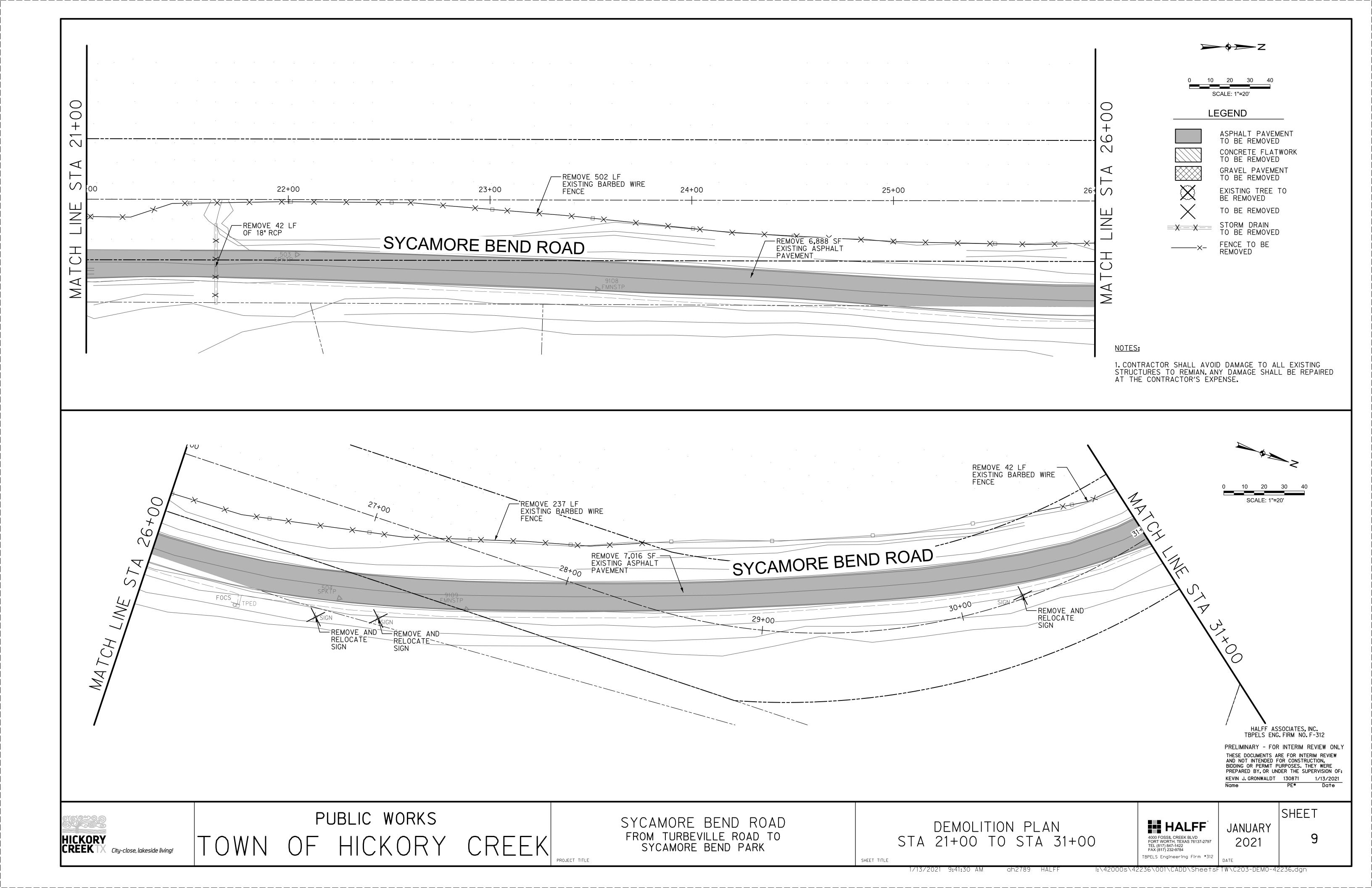
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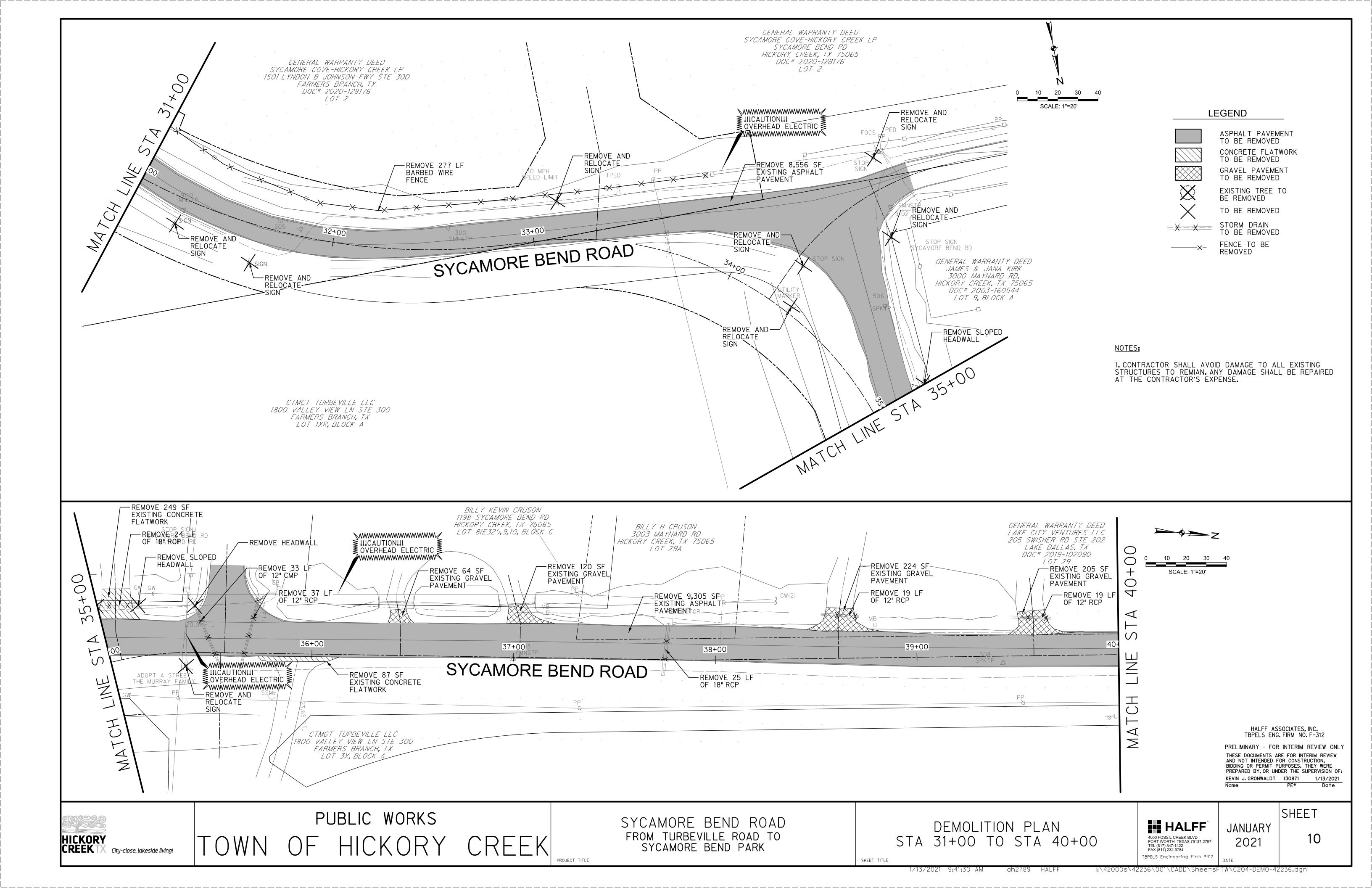
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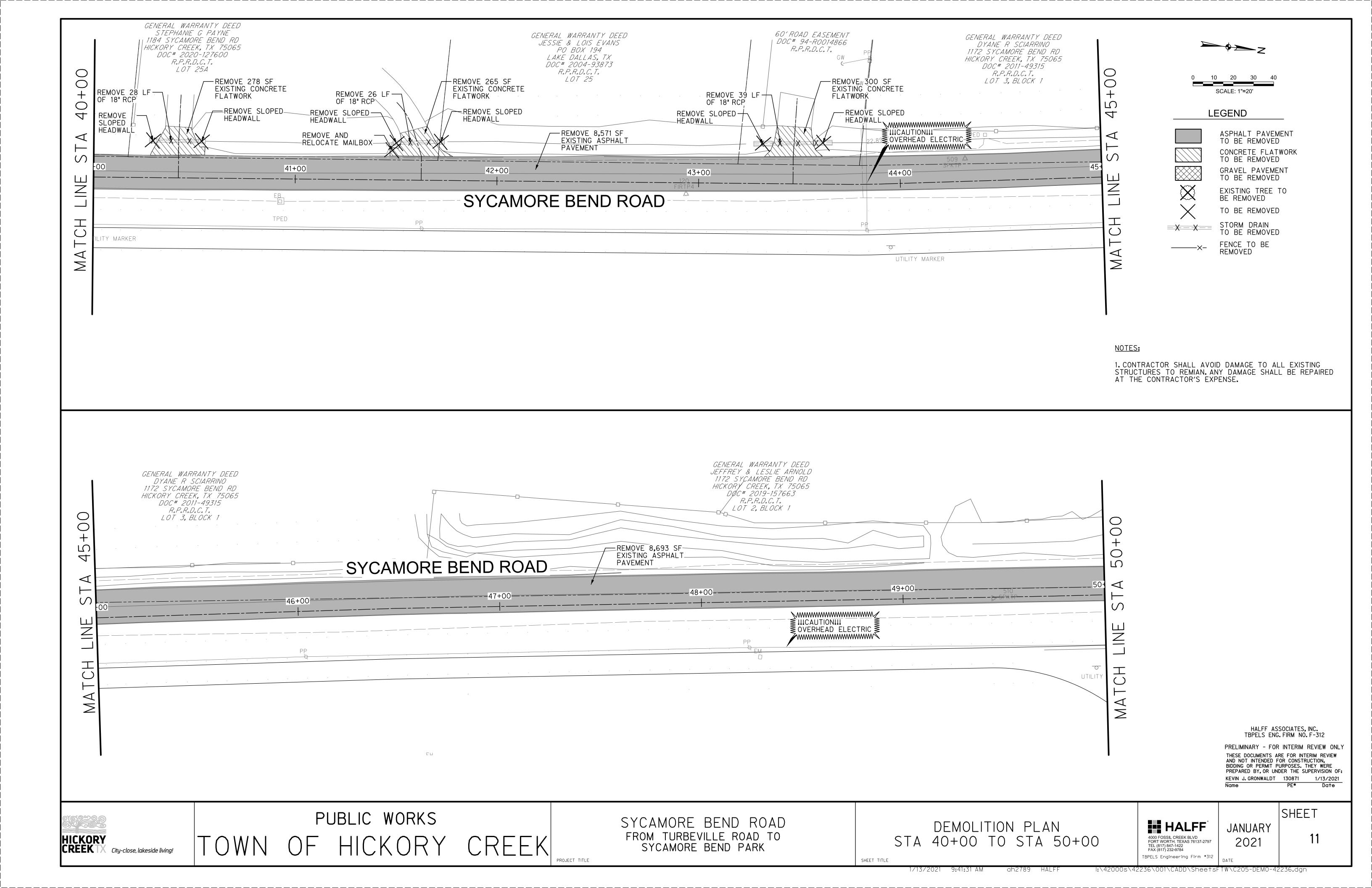


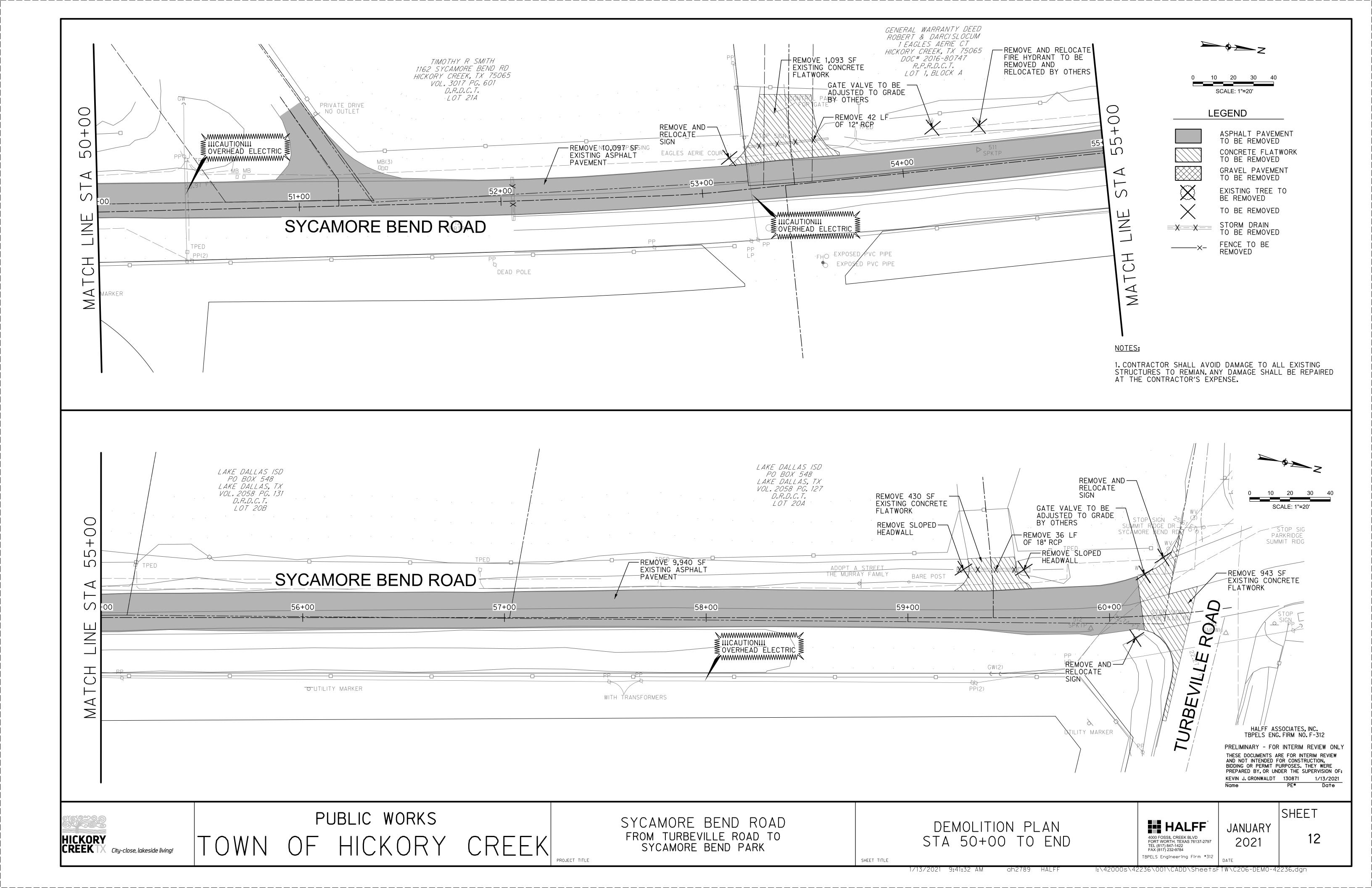


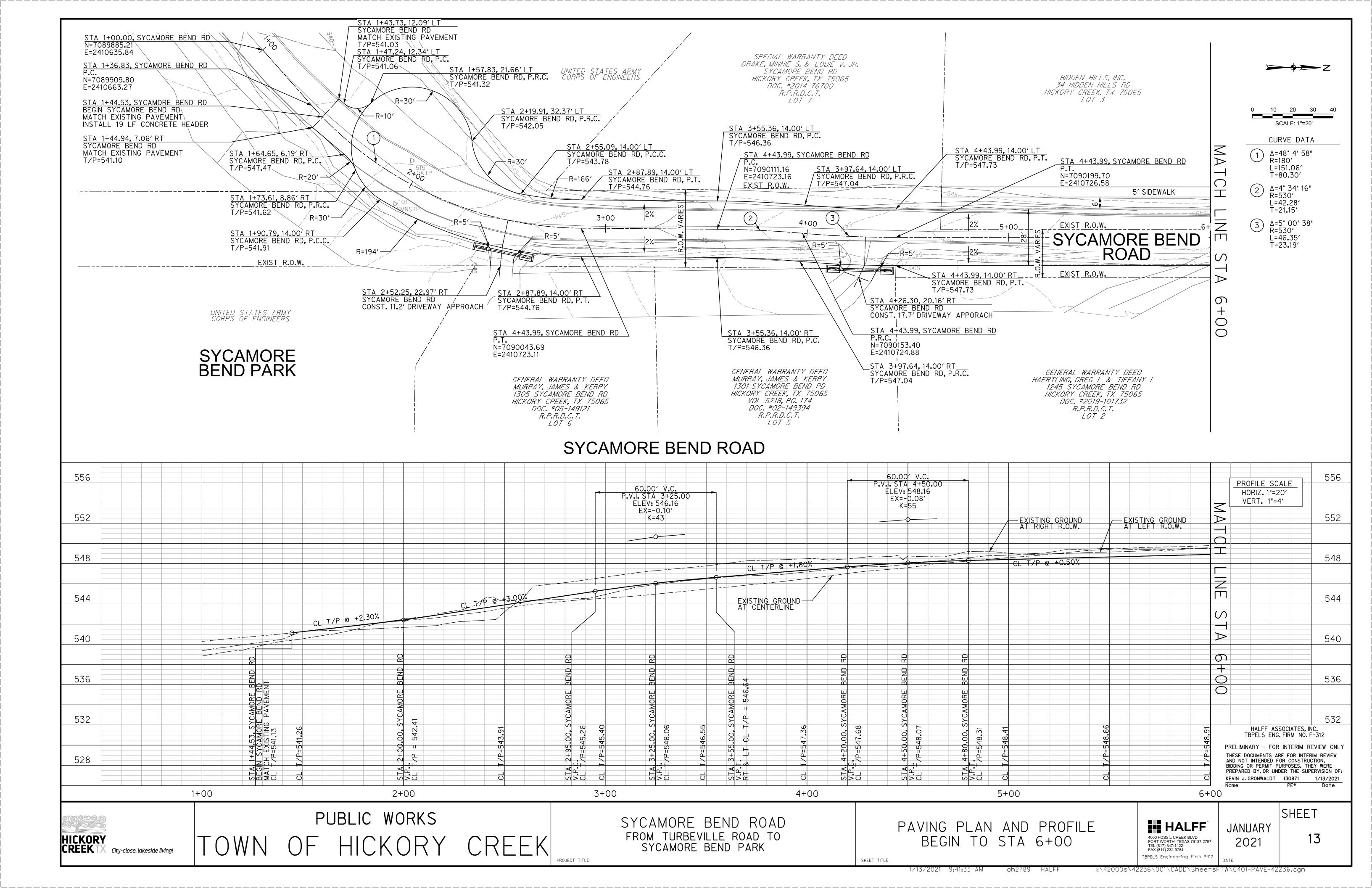


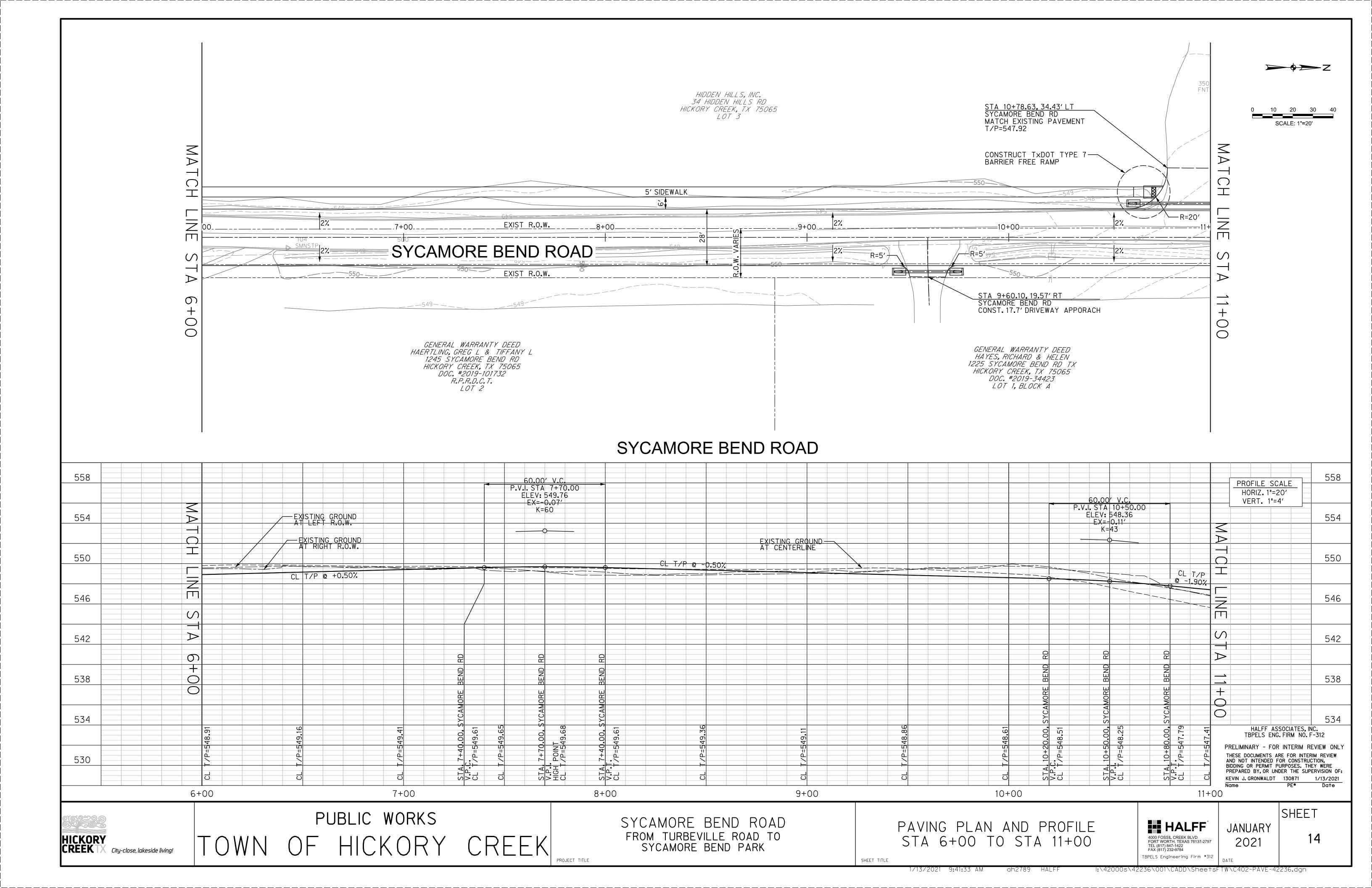


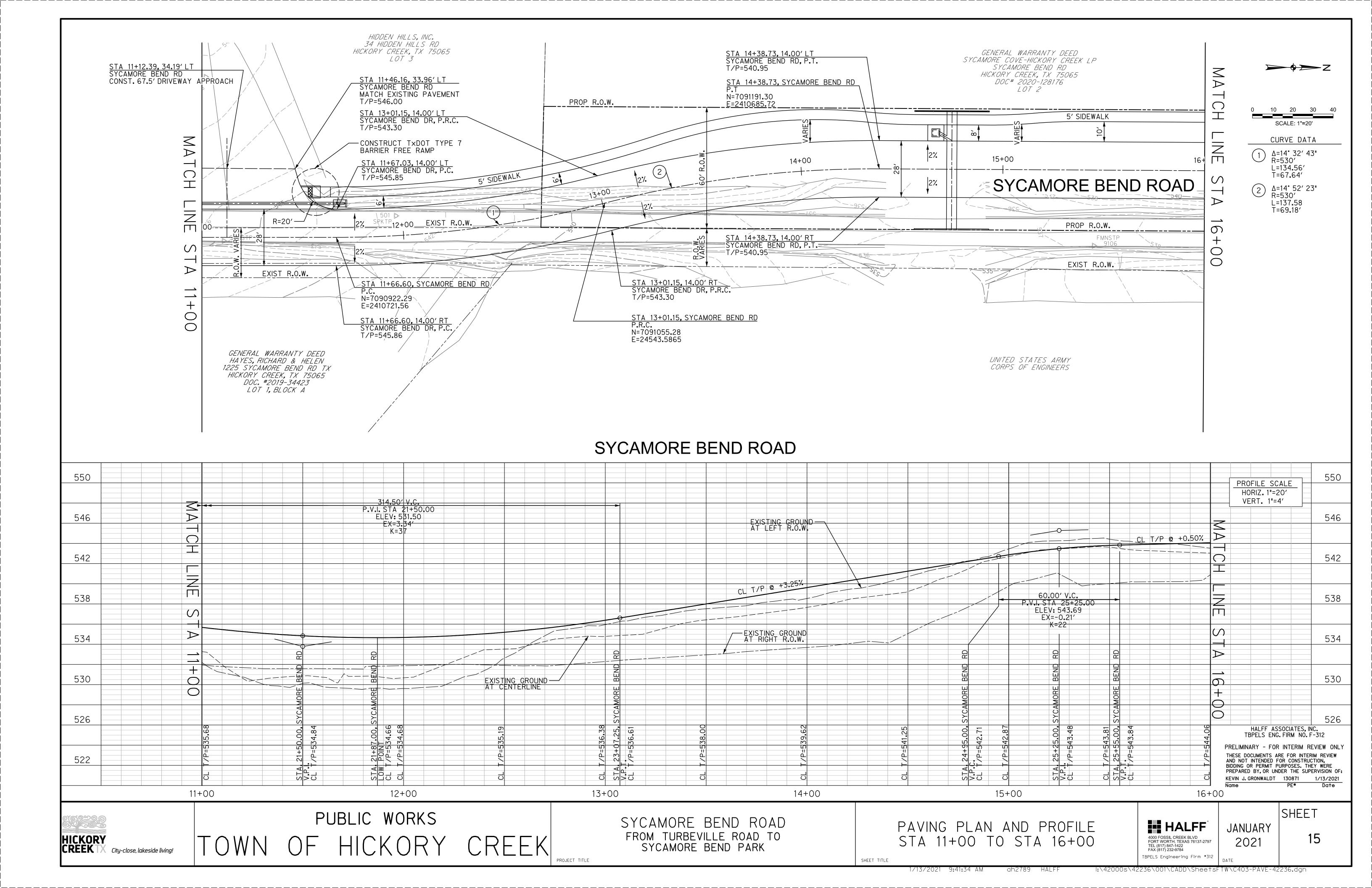


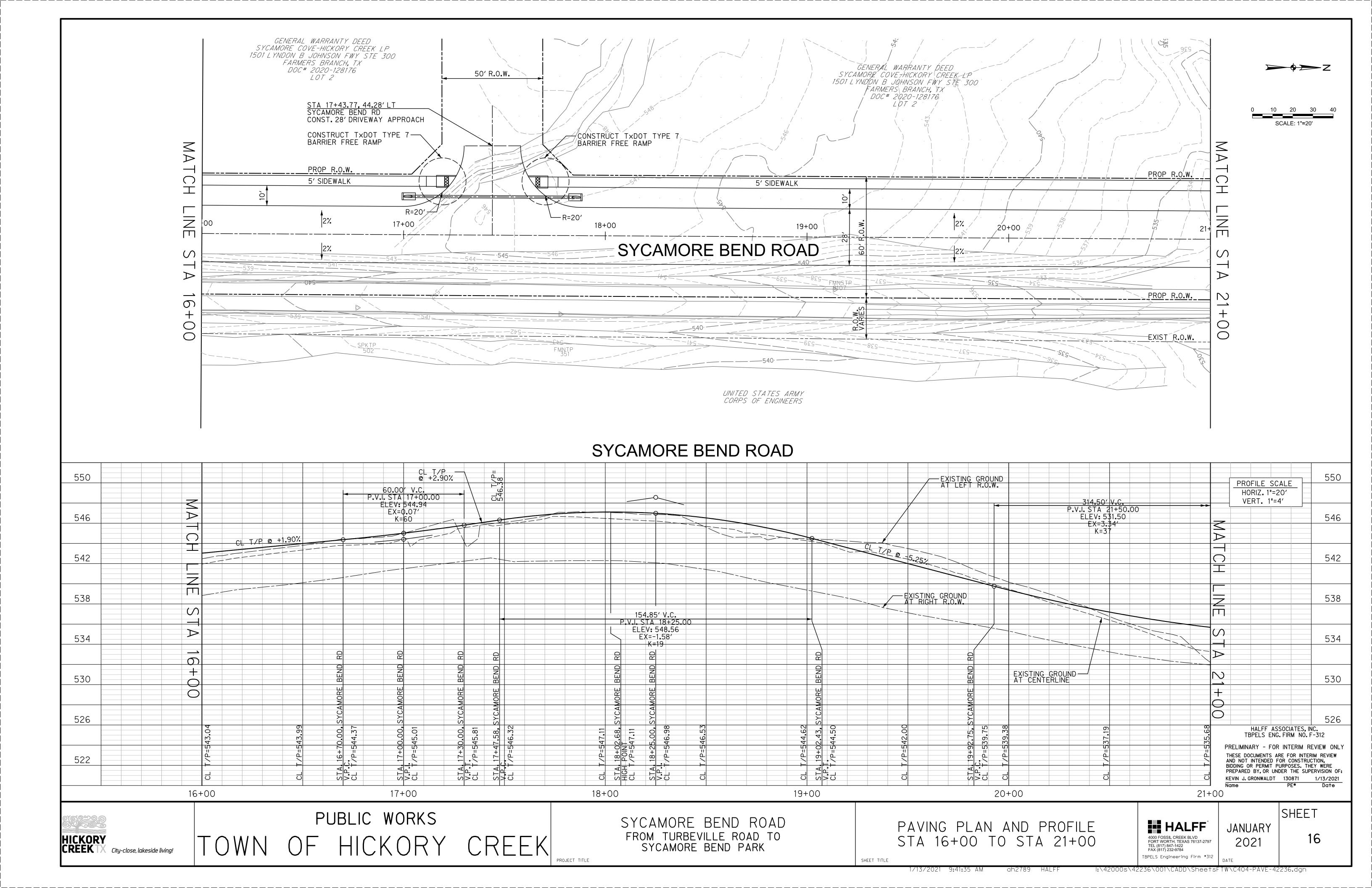


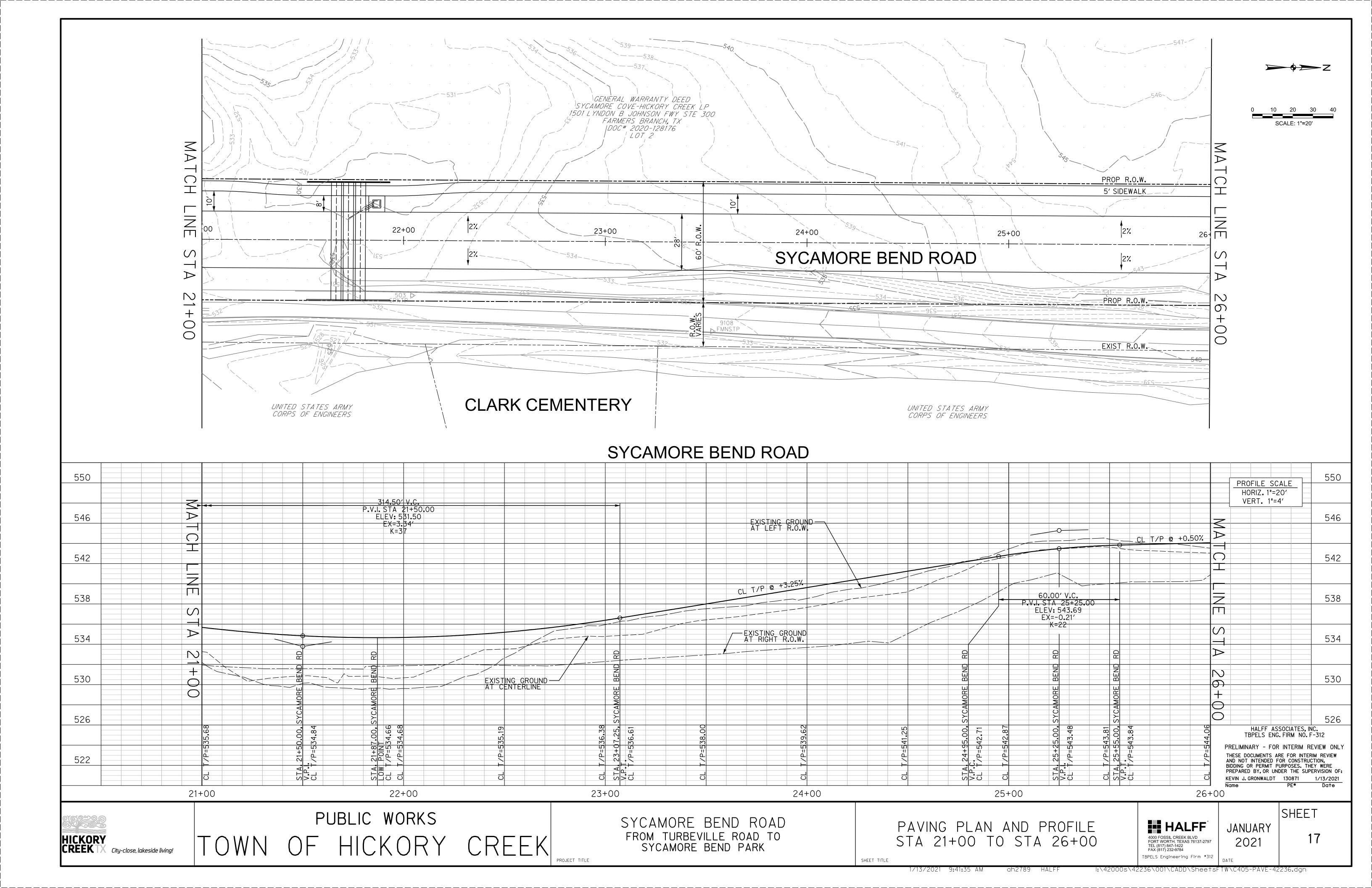


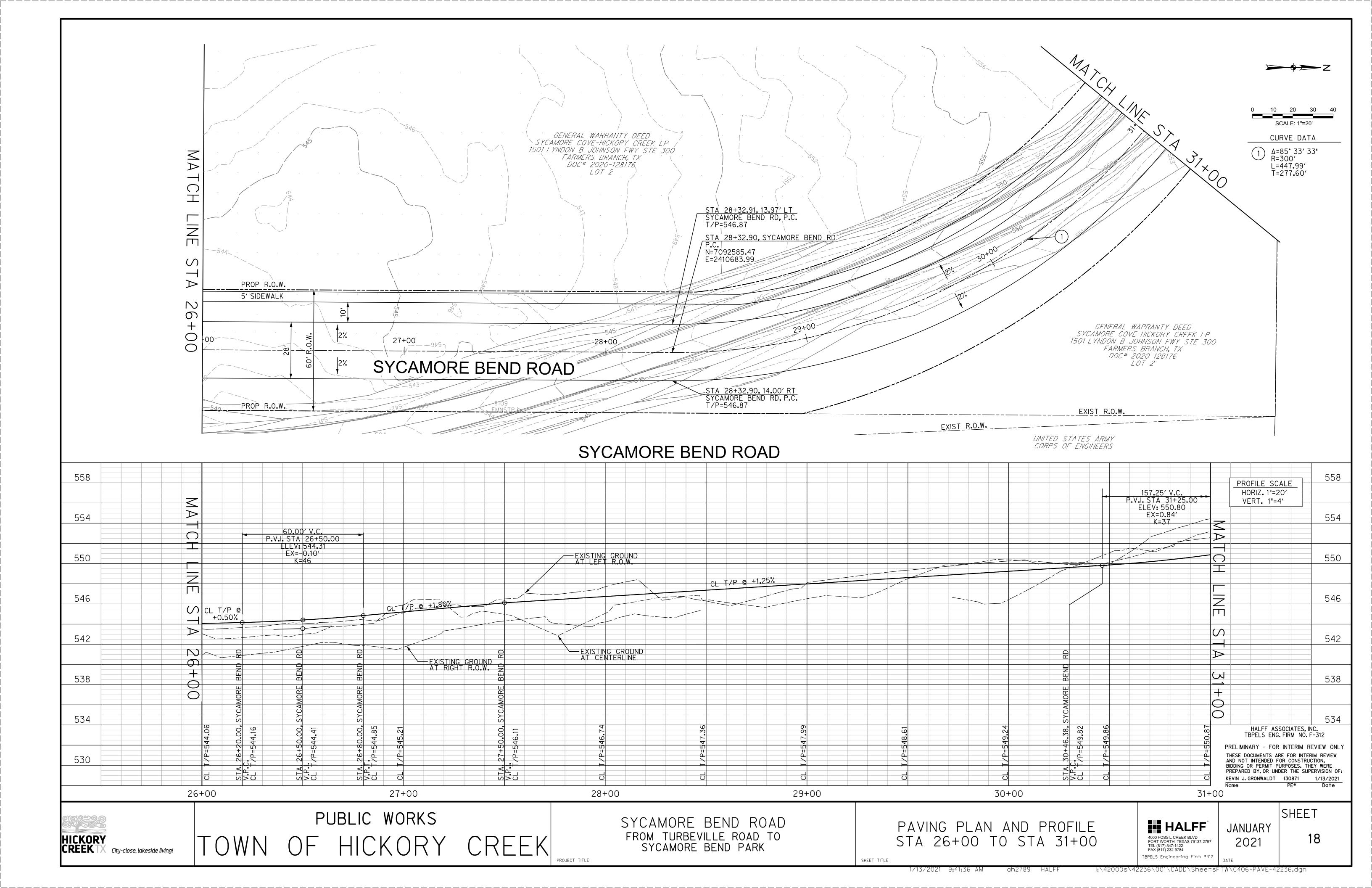


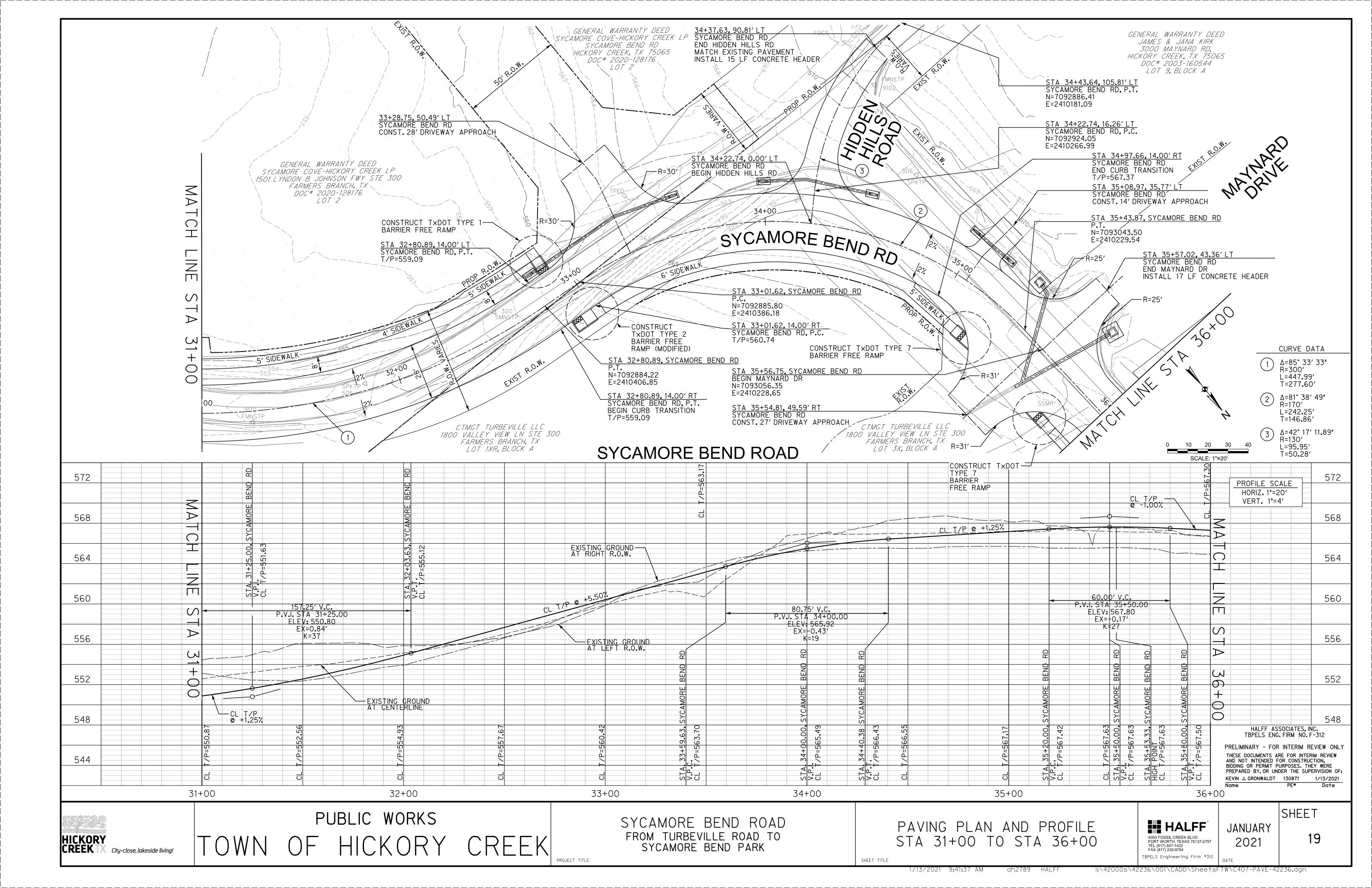


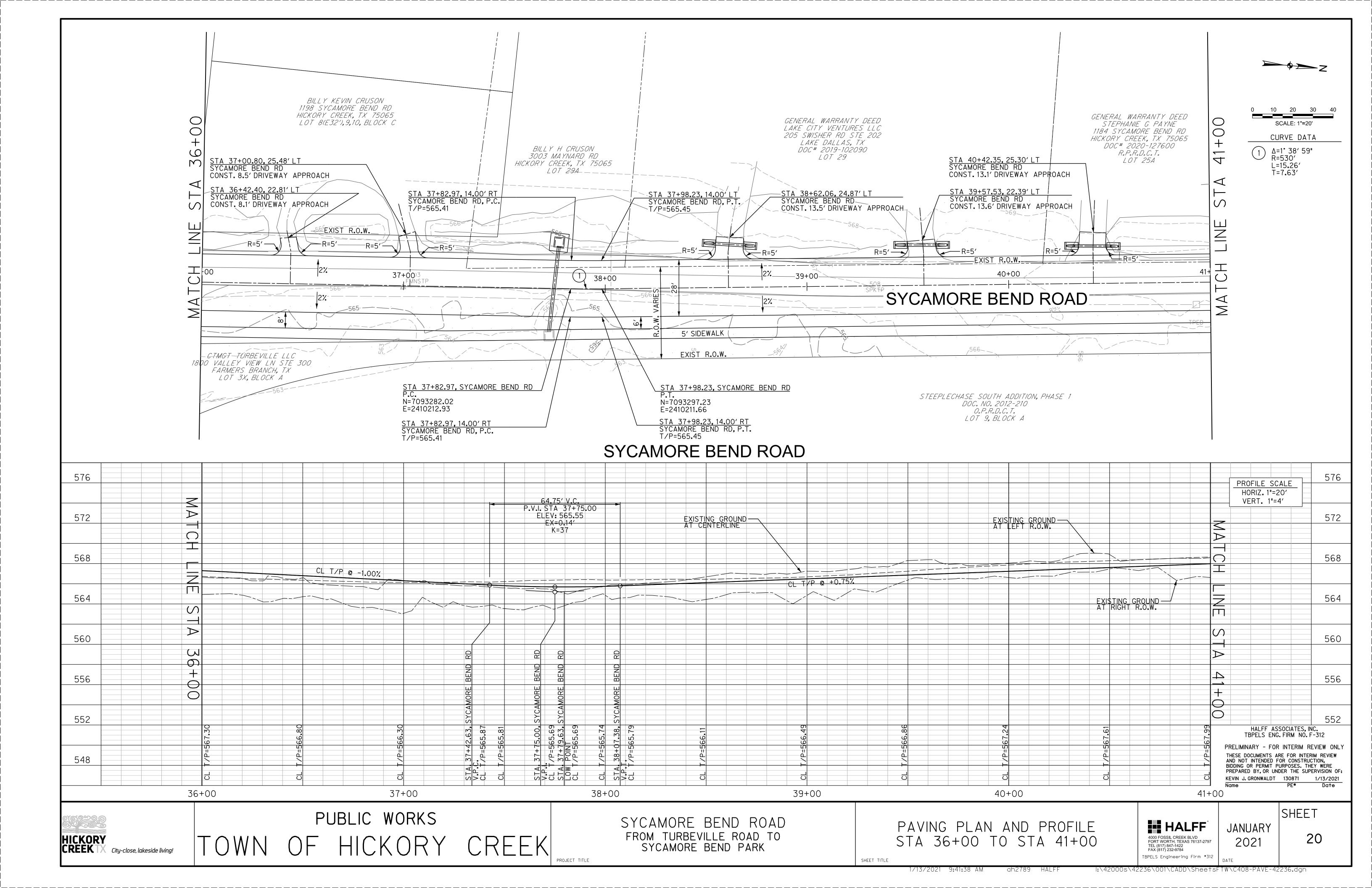


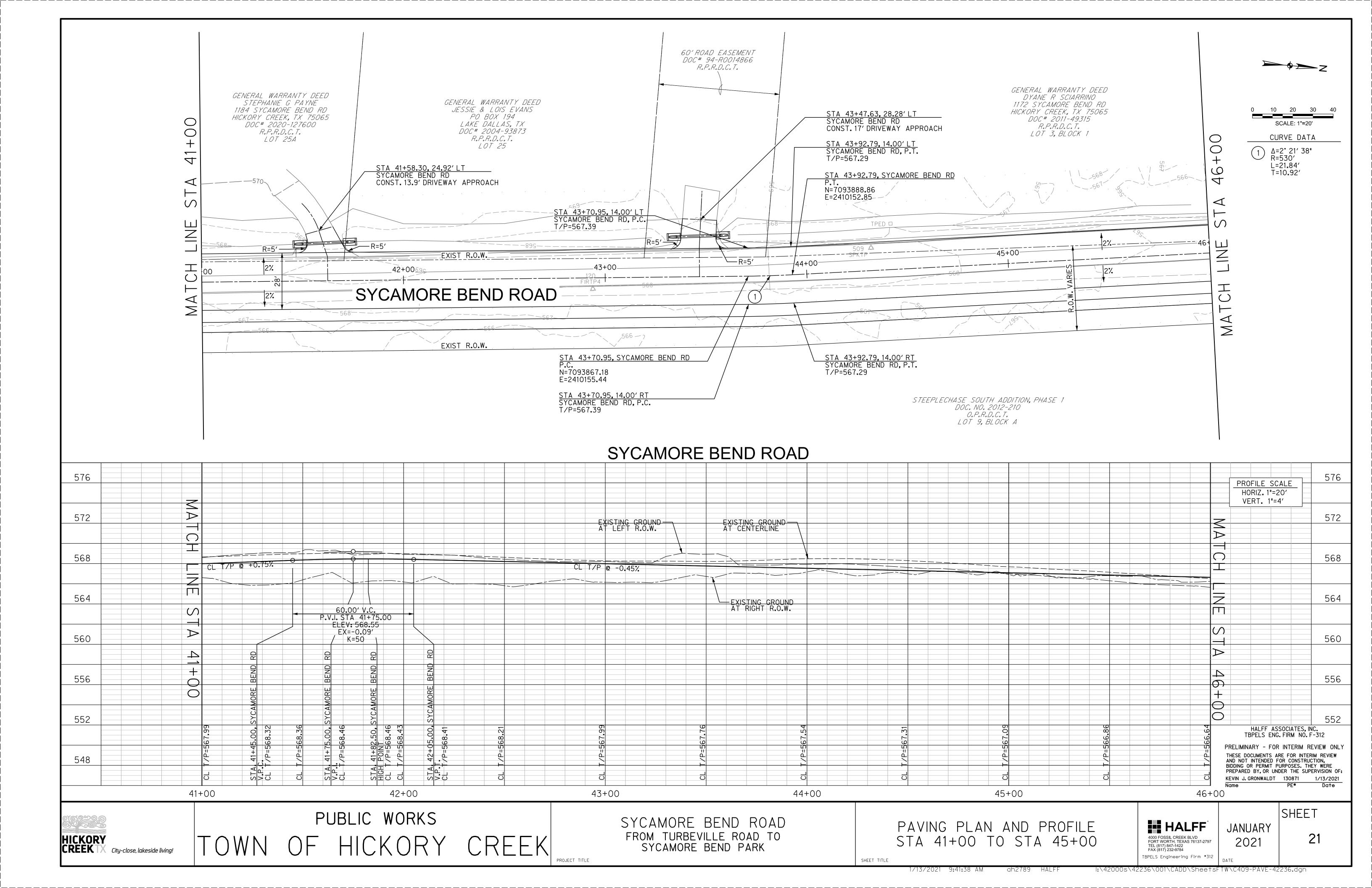


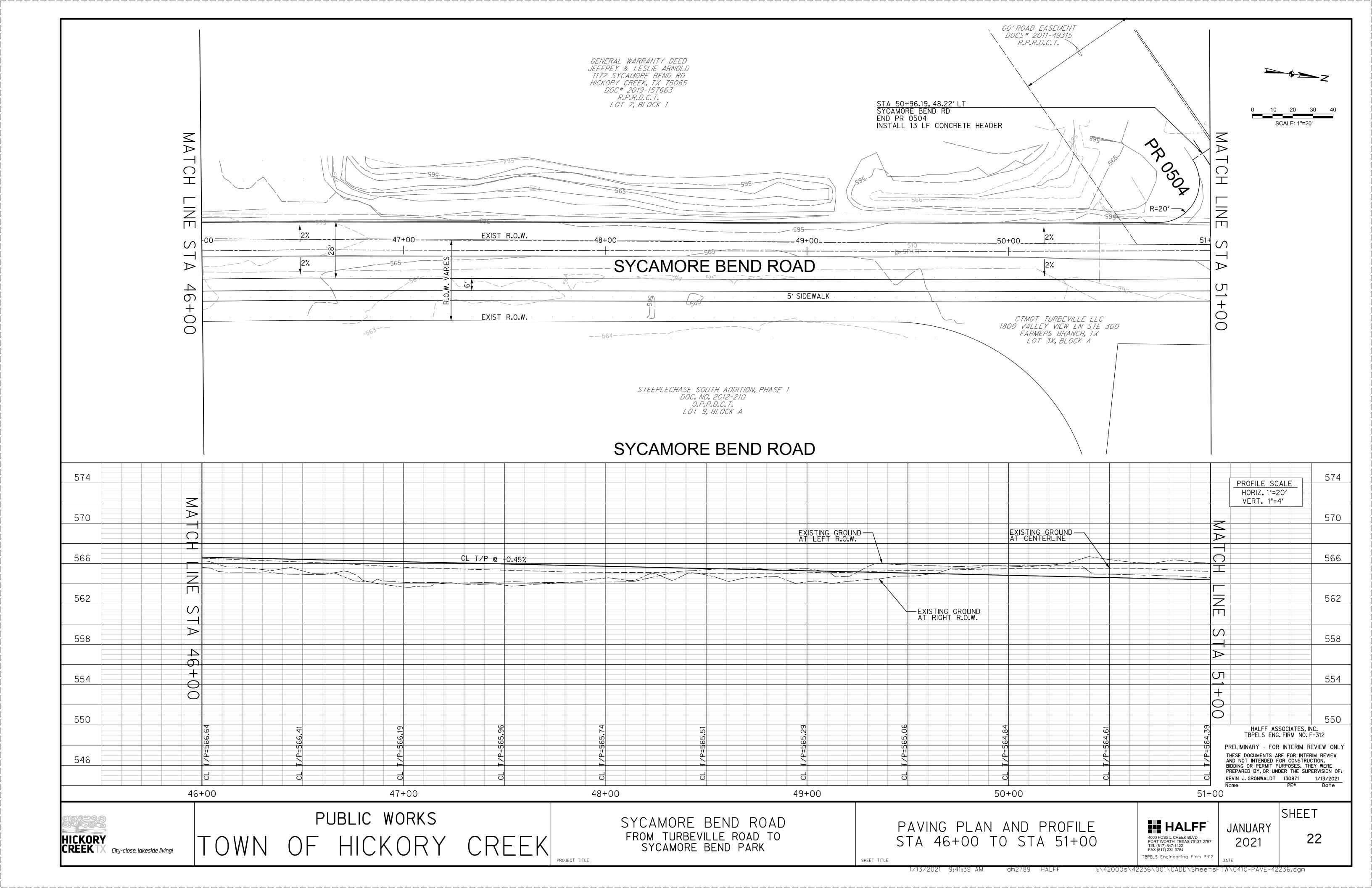


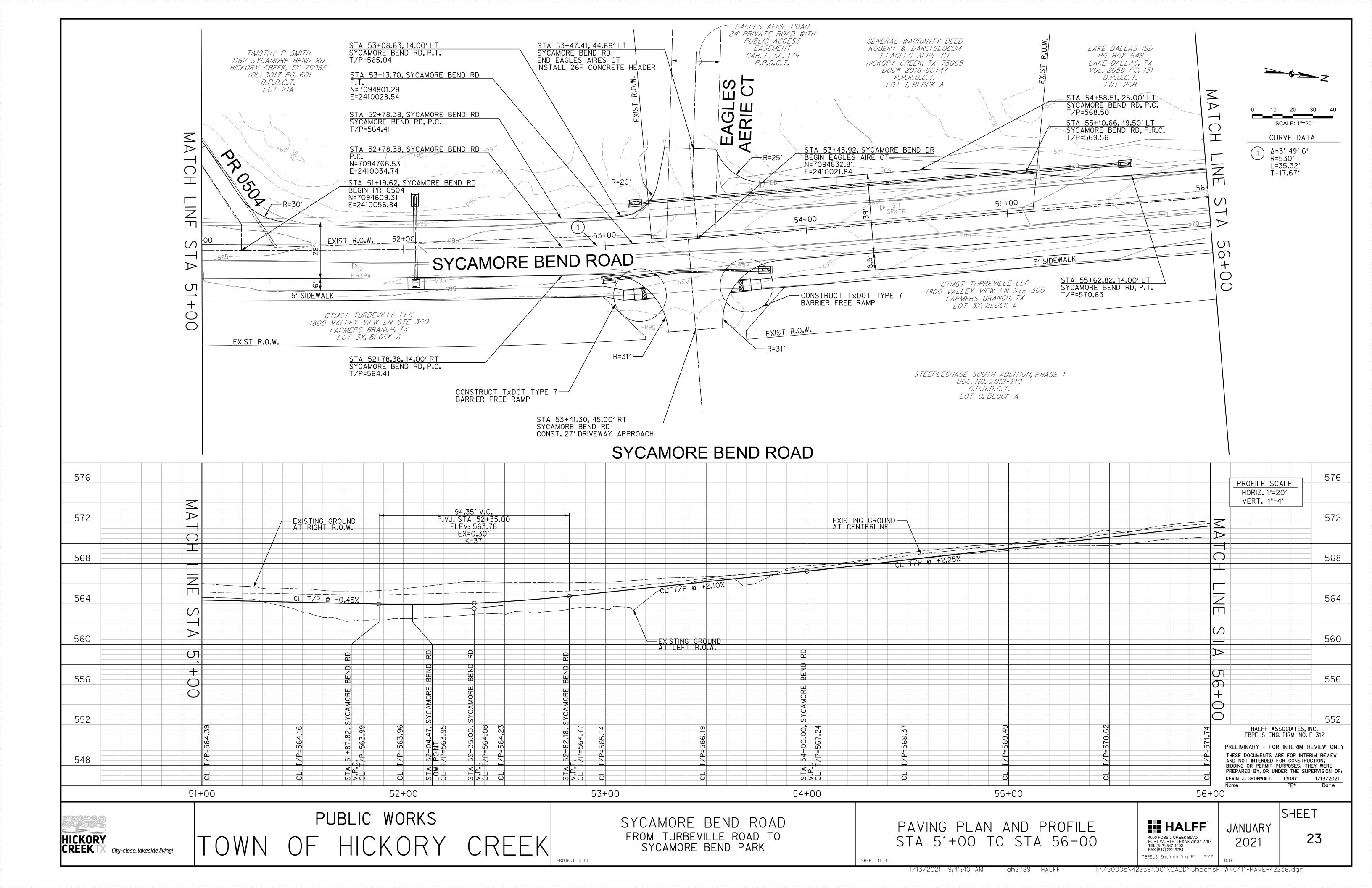


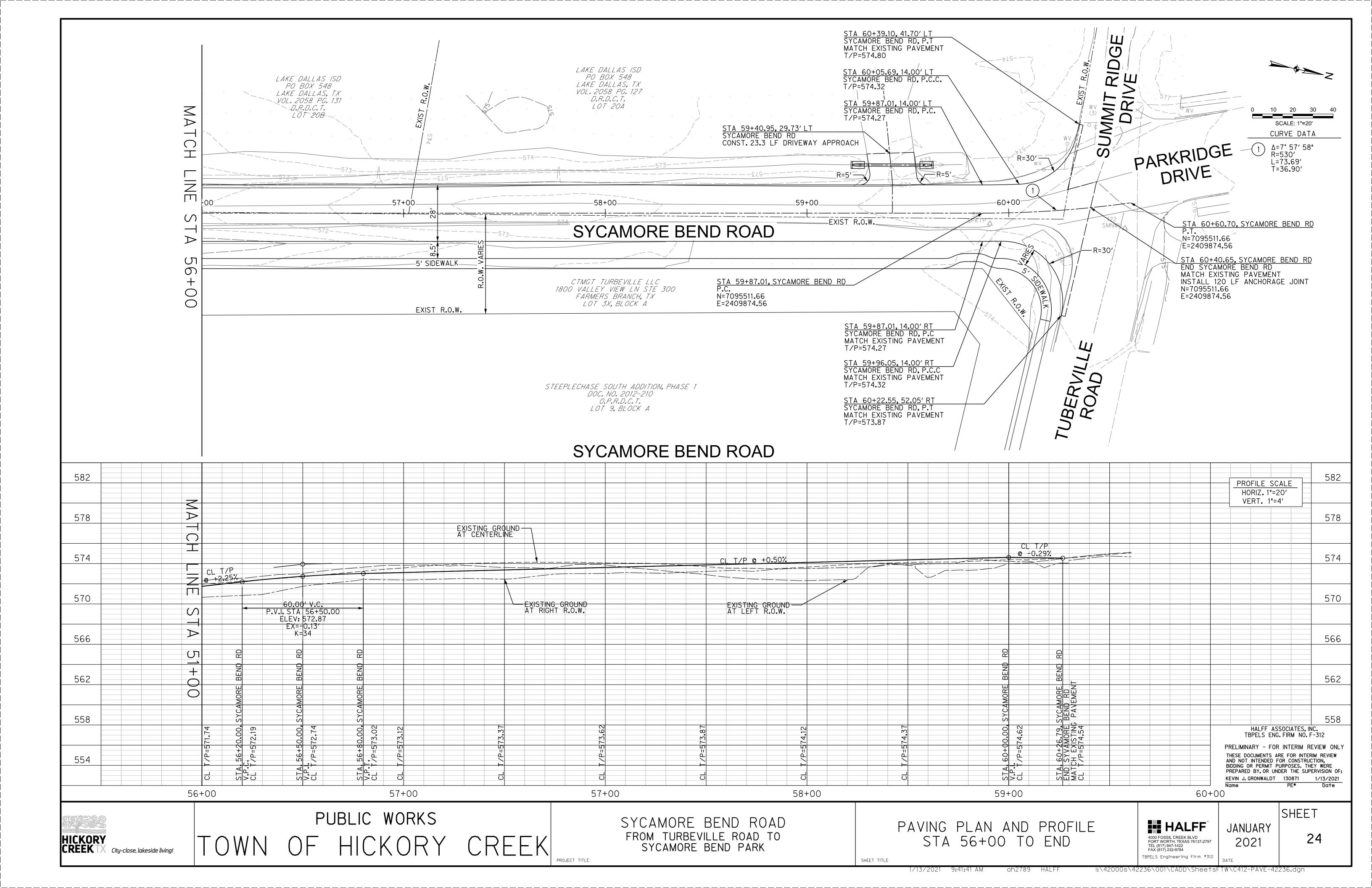


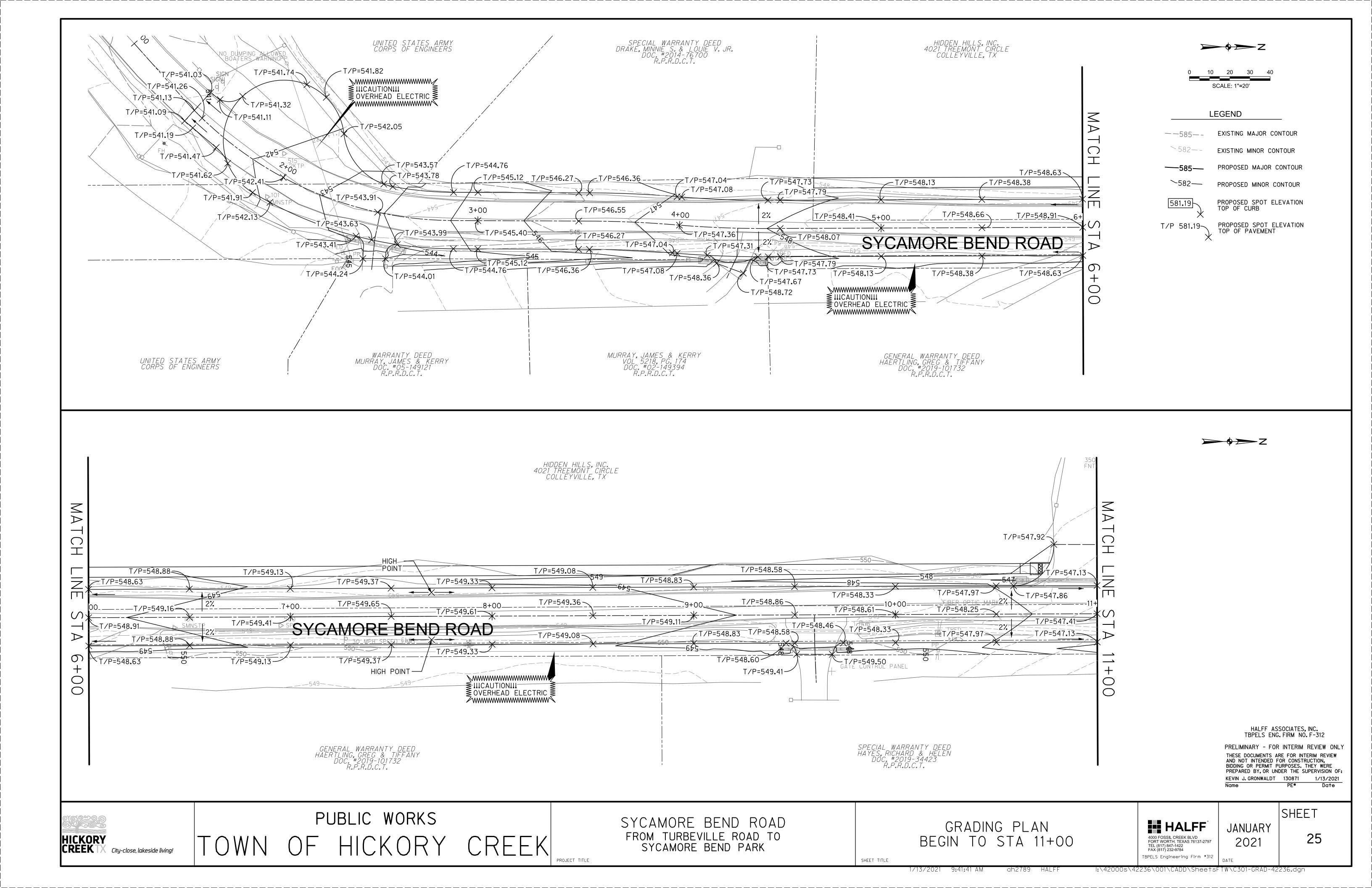


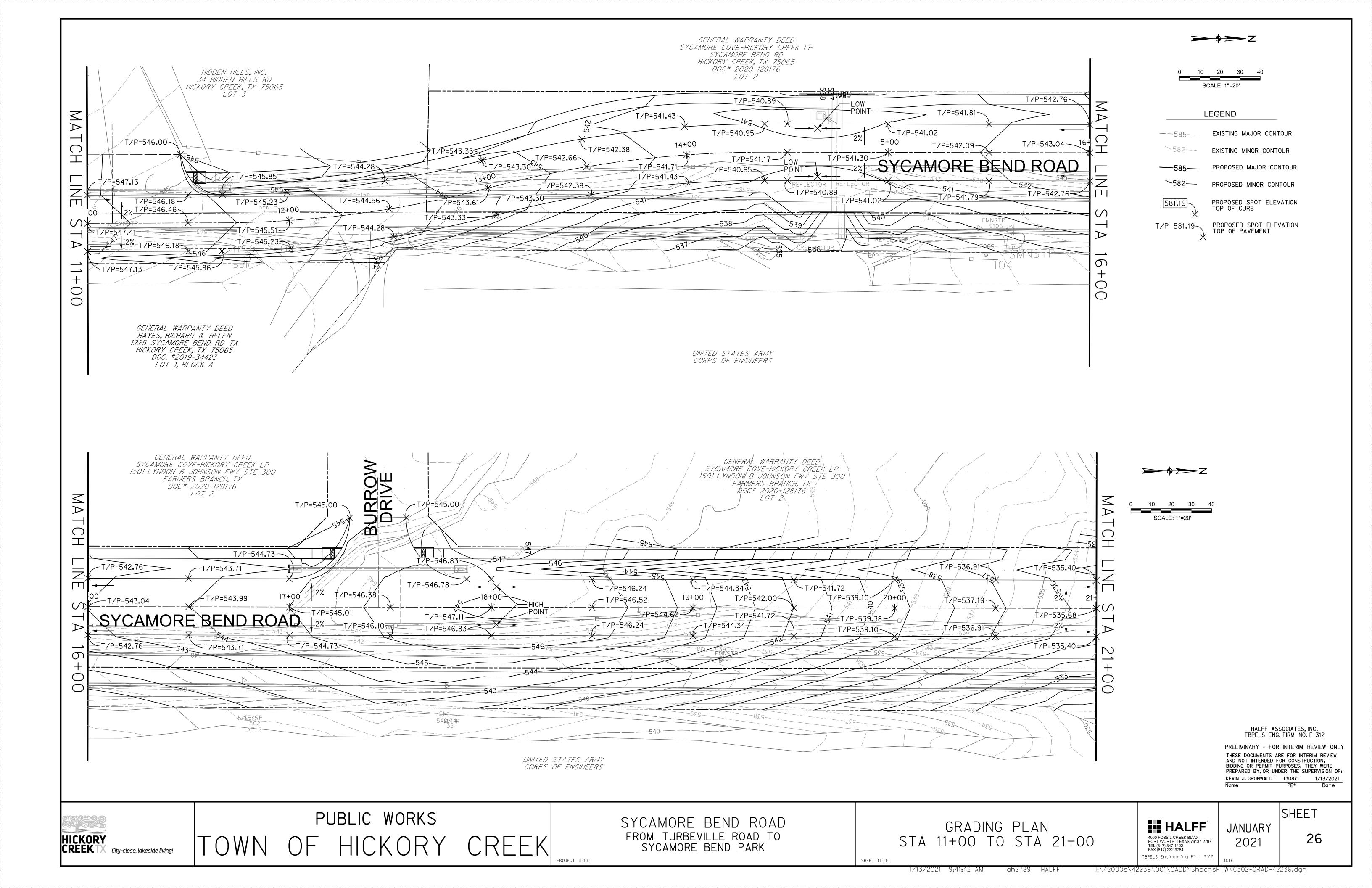


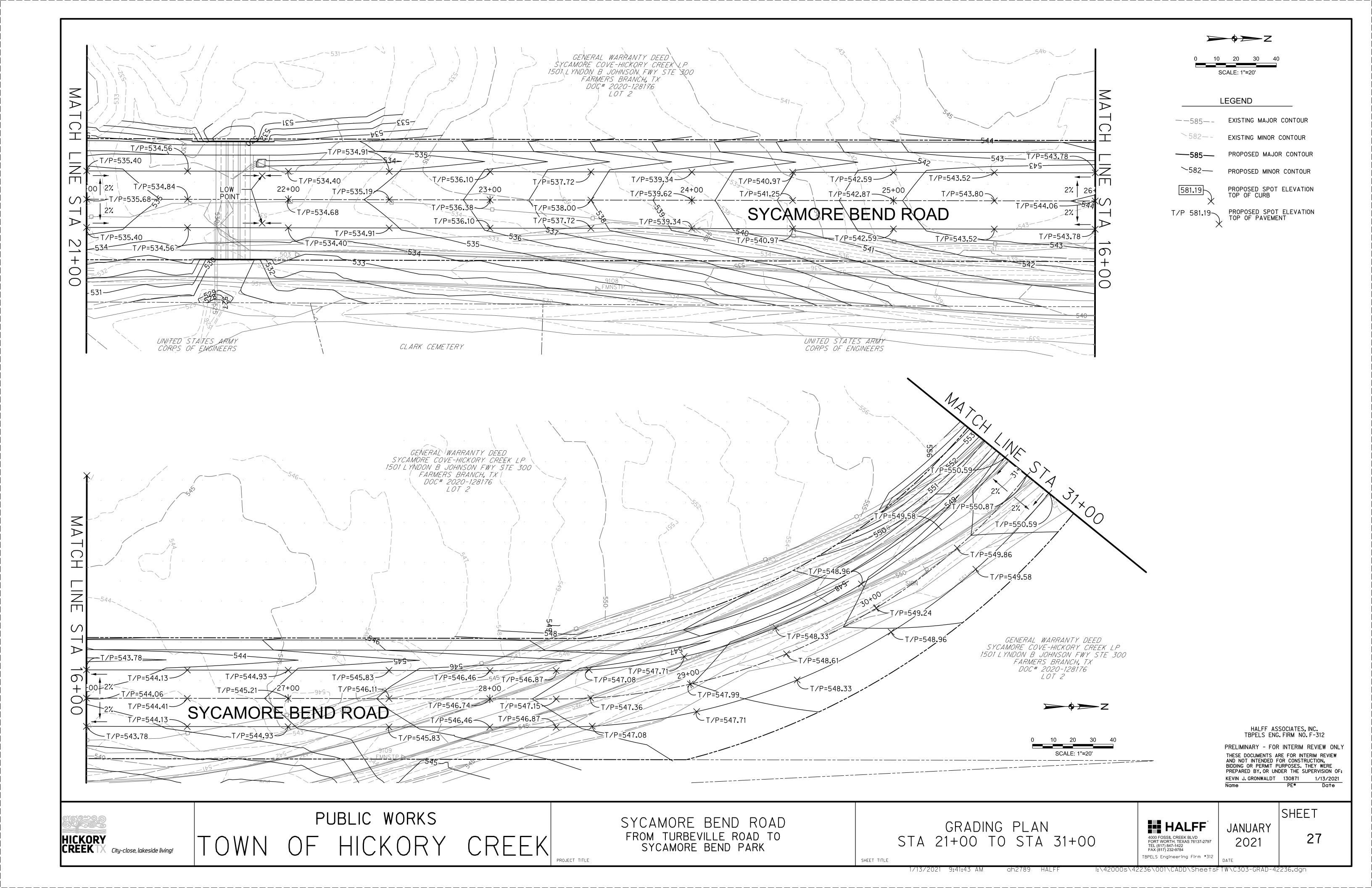


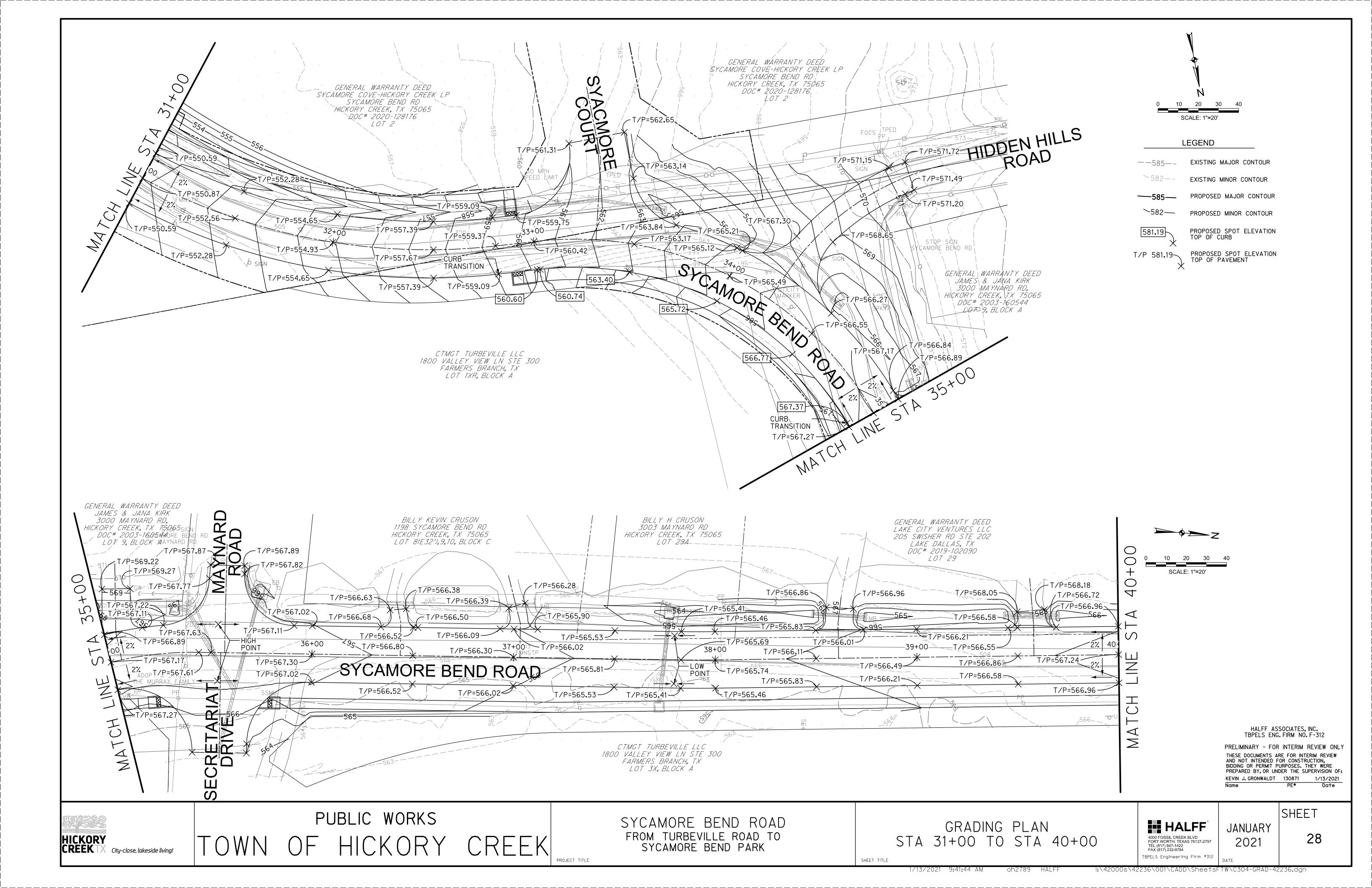


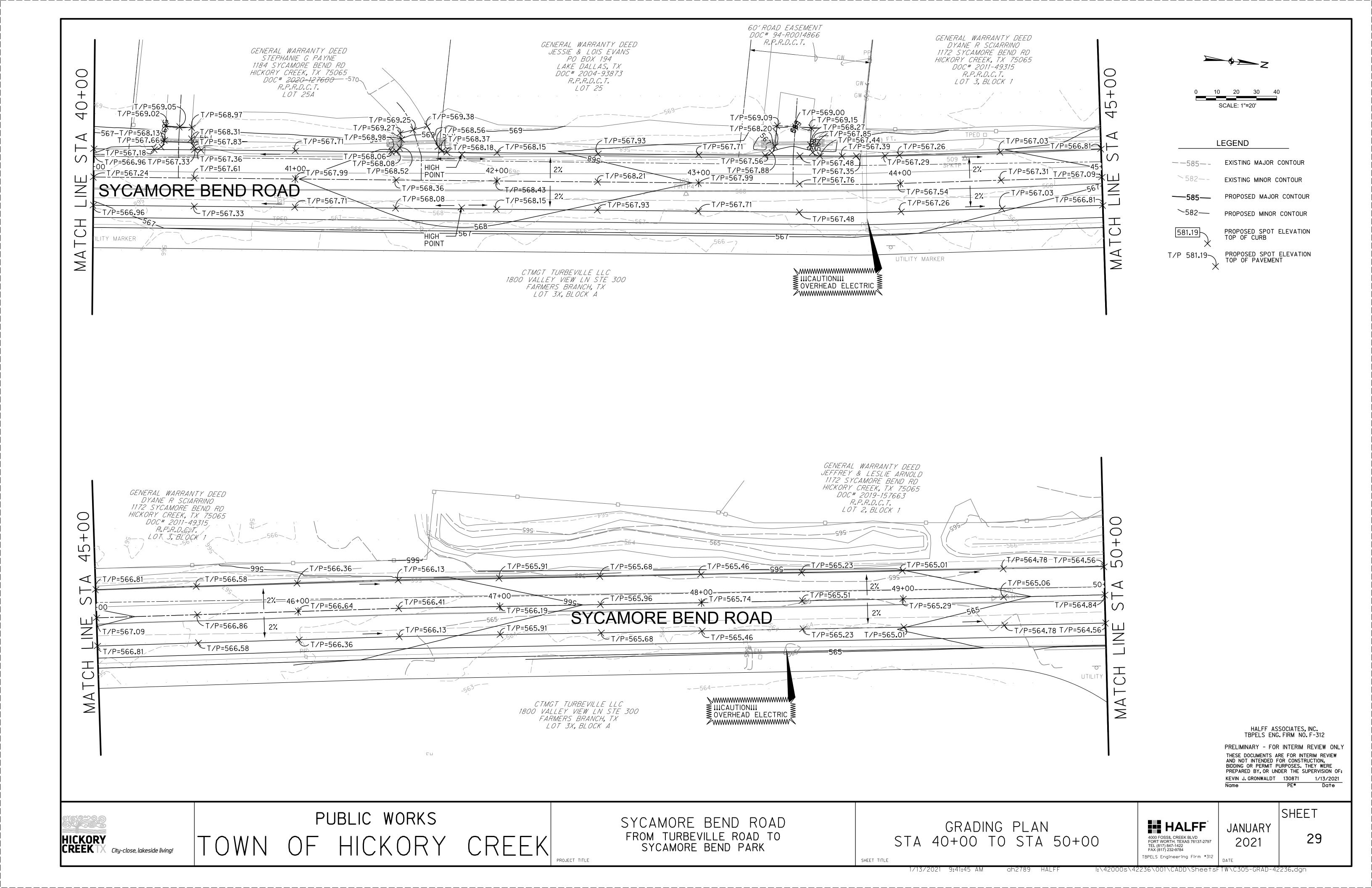


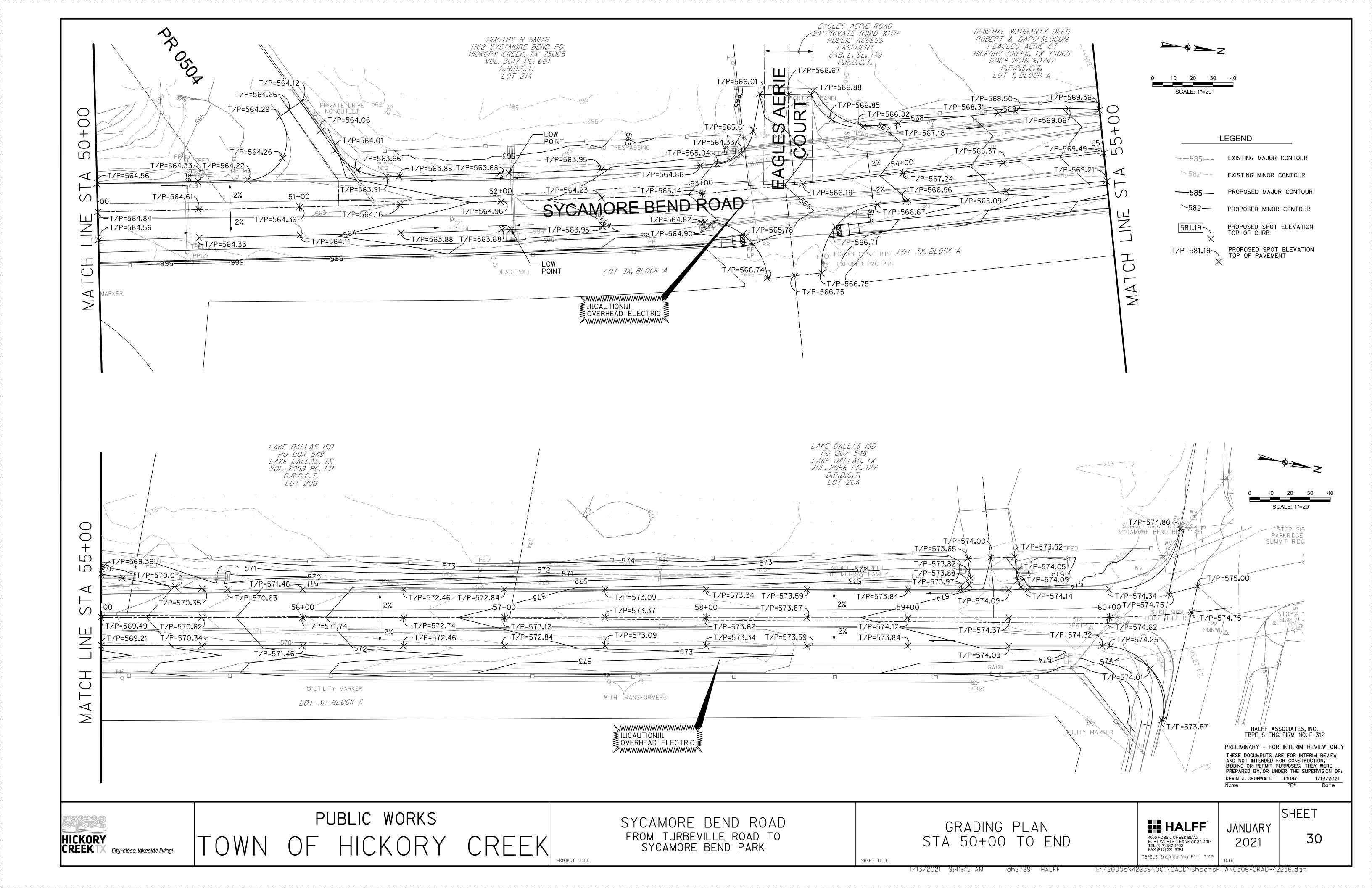


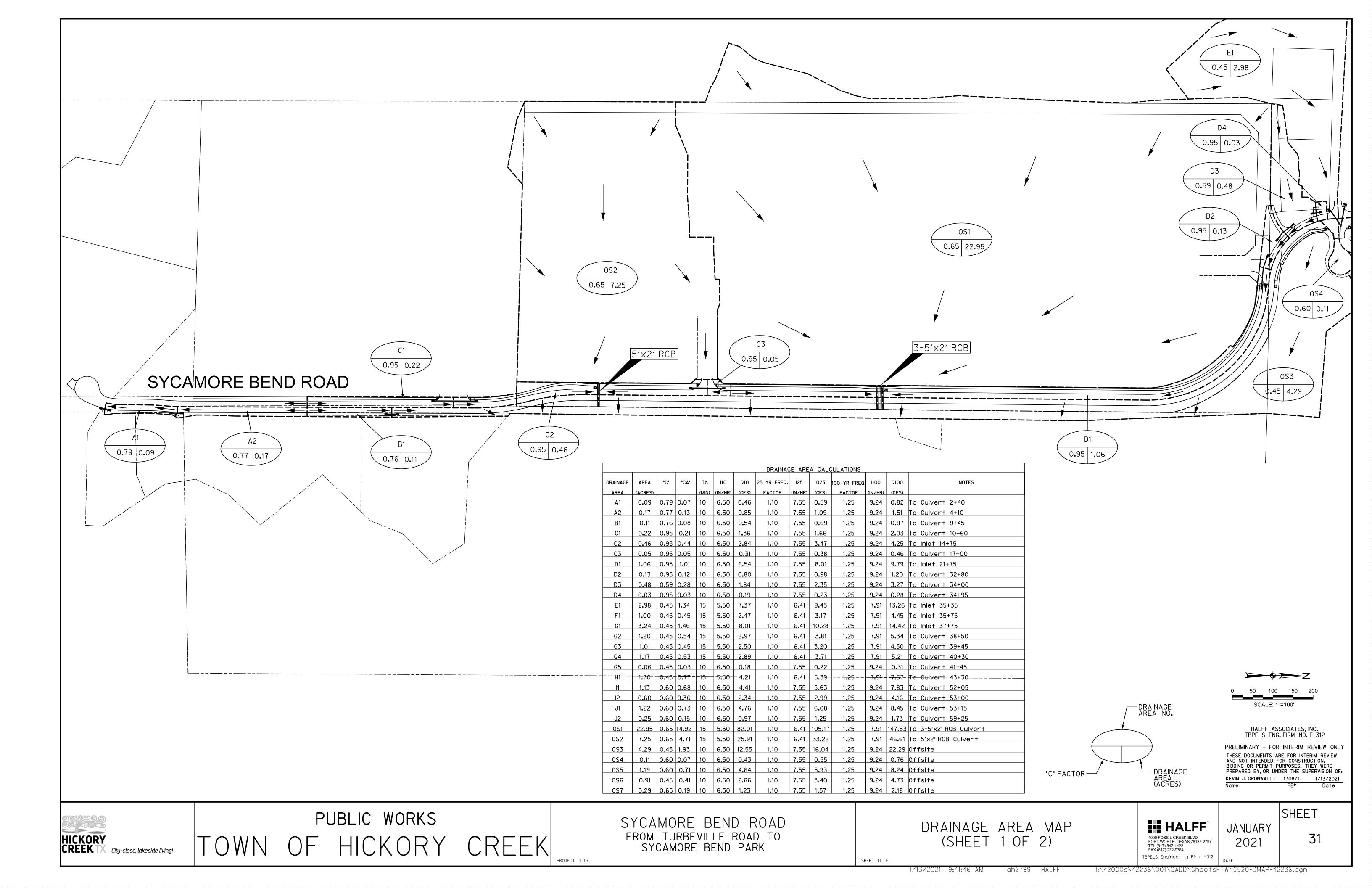


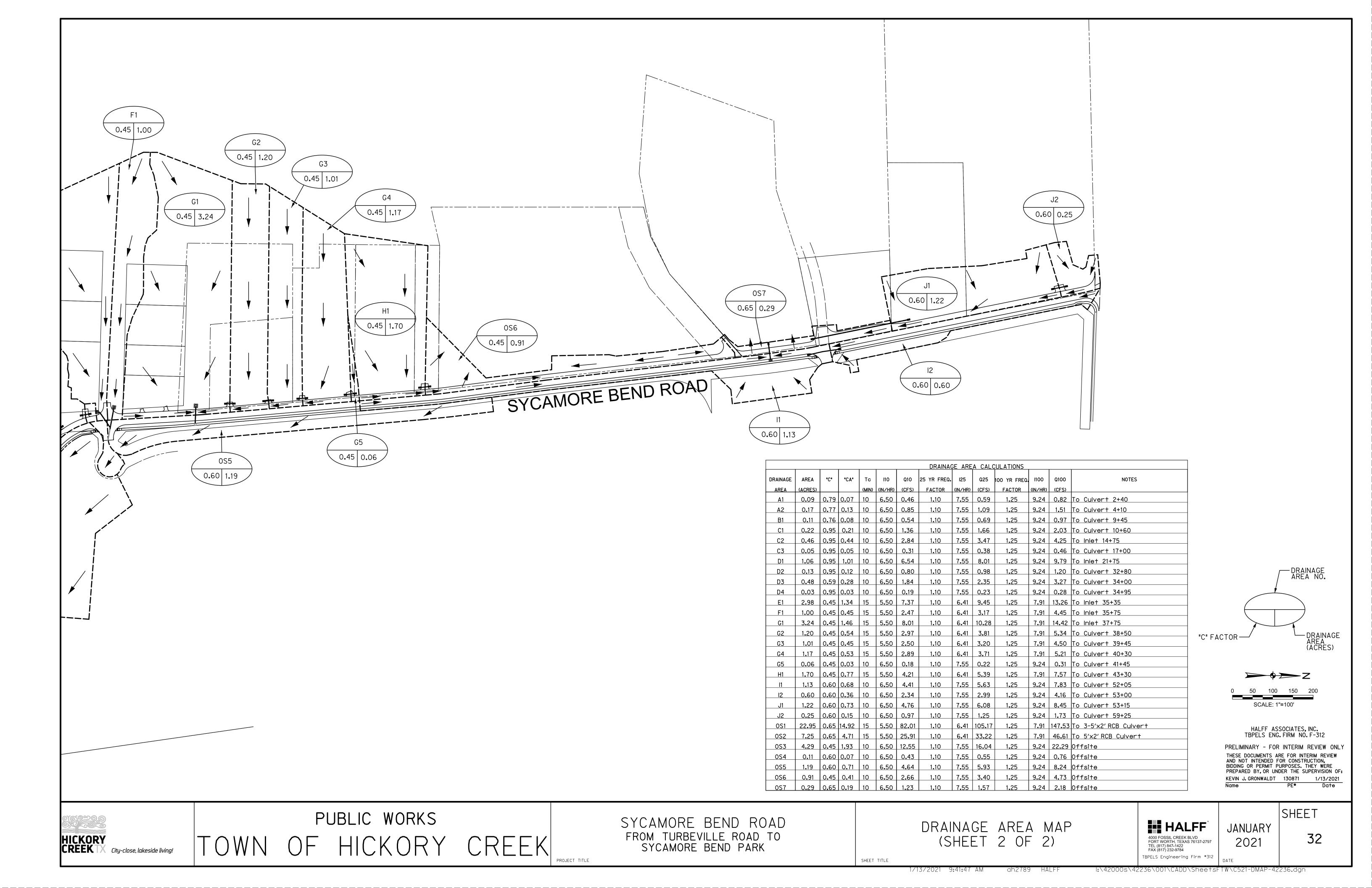












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		D.A.	D.A.	COEF.	INTENSITY	FREQUENCY	DESIGN		OVER	FLOW								
STATION	TYPE	NO.		С	1	FACTOR	FLOOD	Q	q	Qo	Cd	d	LR	La	Qco	a	NOTES	SIZE
			ACRES		IN/HR	Cf	YRS	CFS	CFS	CFS		FT	FT	FT	CFS	CFS		
"Y" Inlets																		
14+75	Υ	C1-C3	0.73	0.95	9.24	1.25	100	6.7	0.00	6.7	2.25	0.67	5.51	12.00	0.00	6.7	SAG	3′ X 3′
21+75	Υ	D1-D4	1.70	0.85	9.24	1.25	100	15.7	0.00	15.7	2.25	0.73	11.19	12.00	0.00	15.7	SAG	3′ X 3′
35+35	Υ	E1	2.98	0.45	7.91	1.25	100	13.3	0.00	13.3	2.25	0.77	8.72	12.00	0.00	13.3	SAG	3′ X 3′
35+75	Y	F1	1.00	0.45	7.91	1.25	100	4.5	0.00	4.5	2.25	0.58	4.48	12.00	0.00	4.5	SAG	3′ X 3′
37+75	Y	G1-G5	6.68	0.45	7.91	1.25	100	29.7	0.00	29.7	2.25	0.88	16.01	16.00	0.00	29.7	SAG	4′ X 4′
52+05	Υ	11-12	1.73	0.60	9.24	1.25	100	12.0	0.00	12.0	2.25	0.59	11.76	12.00	0.00	12.0	SAG	3′ X 3′

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 KEVIN J. GRONWALDT
 130871
 1/13/2021

 Name
 PE#
 Date

HICKORY CREEK X City-close, lakeside living!

PUBLIC WORKS TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

INLET CALCULATIONS

HALFF 4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

SHEET JANUARY

SHEET TITLE 1/13/2021 9:41:48 AM ah2789 HALFF

														10)0-YR	HYDF	RAULIC	COMP	UTATI	ONS													
			ion		Drai	nage A	Area o to	-		F	Rainfall II	ntensit	, ,	D.	eg.	n Flow		Design σ		<u>~</u>	n Loss	Hydr 당	aulic Gra	de Line	Velo	ocity	Vzz	Min X+io	or Loss		SS	Ground/ pun	HGL Elev
Design Point	Downstream Location	Distance	Area Designat	Drainage Area	Total Drainage Area "A"	Runoff Coefficient "C"	Frequency Fac	Incremental "CA"	To+al "CA"	Inlet Time	TravelTime in Conduit	Time of Concentration	Rainfall Intensi " "	Total Discharg	Bypass Discha	Inlet Discharg	Conduit Desigr Discharge	No. of Conduit Span (Rox Culvert)	Diamet Srt Ris	Friction Slope	Friction Loss	Downstream H Elevation	Upstream HGL Elevation	Design Point H Elevation	Downstream Velocity (Va	Upstream Velocity(%	Downstream Velocity Head /2g	Upstream Velc Head V≈/2g	Minor Loss Coefficient K	k 42/2	Total Minor Lo	Upstream gro elev	Elev. diff ground-HGL
sta	sta	feet		acres	acres					min	min	min	in/hr	in/hr	cfs	cfs	cfs	ft		t) ft/ft	ft					ft/sec		ft		ft	ft		
ULVERT	2+40																																
+28.91	1+00.00	28.9	A1-A2	0.26	0.26	0.79	1.25	0.26	0.26		0.25	10.00	9.24	2.4	-	2.4	2.4	1 -	15	0.0013	0.039	544.47	544.51	544.61	1.93	0.00	0.06	0.00	0.20	0.00	0.10	545.26	0.65
LVERT	4+10																																
1+32.11	1+00.00	32.1	A2	0.17	0.17	0.77	1.25	0.16	0.16		0.43	10.00	9.24	1.5	_	1.5	1.5	1 -	15	0.0005	0.018	547.89	547.91	548.01	1.23	0.00	0.02	0.00	0.20	0.00	0.10	549.00	0.99
LVERT	9+45																																
+00.00	1+33.81	33.8	B1	0.11	0.11	0.76	1.25	0.10	0.10		0.72	10.00	9.24	1.0	_	1.0	1.0	1 -	15	0.0002	0.008	548.48	548.49	548.59	0.79	0.00	0.01	0.00	0.20	0.00	0.10	549.80	1.21
JLVERT	10+60																																
+00.00	2+12.00	112.0	C1	0.22	0.22	0.95	1.25	0.22	0.22		1.13	10.00	9.24	2.0	_	2.0	2.0	1 -	15	0.0010	0.111	545.90	546.01	546.11	1.66	0.00	0.04	0.00	0.20	0.00	0.10	548.69	2.58
JLVERT	14+75																																
+00.00				7.25					5.89			15.00			_	46.6	46.6		2					539.09			0.34					541.23	2.14
1+14.75	1+59.00	44.3	C1-C3	0.73	7.98	0.95	1.25	0.73	6.62		0.14	15.05	7.90	52.3	_	52.3	52.3	1 5	2	0.0033	0.145	538.55	538.70	538.95	5.23	4.66	0.42	0.34	0.60	0.20	0.25	540.87	1.92
ATERAL	14+75																																
<u>1+07.51</u>	1+00.00	7.5	C1-C3	0.73	0.73	0.95	1.25	0.73	0.73		0.03	10.00	9.24	6.7	_	6.7	6.7	1 -	18	0.0041	0.031	538.70	538.73	539.01	3.82	0.00	0.23	0.00	1.25	0.00	0.28	540.86	1.85
<u>JLVERT</u>	17+00																																
1+88.00	1+00.00	88.0	C3	0.05	0.05	0.95	1.25	0.05	0.05		3.90	10.00	9.24	0.5	_	0.5	0.5	1 -	15	0.0001	0.004	545.07	545.07	545.17	0.38	0.00	0.00	0.00	0.20	0.00	0.10	548.04	2.87
JLVERT	21+75																																
	1+18.22																															534.77	
	1+59.00	40.8	DI-04	1, 10	24.65	0.85	1.25	1.70	20.35		0.13	15.06	7.90	160.7	_	160.7	160.7	3 5		0.0034	0.140	531.32	531.46	531.73	5.36	4.92	0.45	0.38	0.60	0.23	0.27	534.47	2,14
ATERAL	21+75																																
1+14.43	1+09.81	4.6	D1-D4	1.70	1.70	0.85	1.25	1.70	1.70		0.01	10.00	9.24	15.7	_	15.7	15.7	1 -	18	0.0224	0.103	531.46	531.56	533.10	8.89	0.00	1.23	0.00	1.25	0.00	1.53	534.42	1.32
JLVERT	32+80																																
	1+33.27 1+86.50							0.54				10.00				5 . 0		1 -						560 . 92								564 . 82 563 . 48	
	34+00																																
		707	D7 5:	0.51	0.51	0.01	4.05	^	0.70		0.01	10.00	0.01	7.0		7.0	7.0		4-	0.007:	0.442	F05 55	F0F 00	505.75	0.07	0.00	0.47	0.00	0.00		0.10	F67.67	
	1+23.94				0.51 0.51			0.39				10.00			-	3.6 3.6		1 -						565 . 76								567 . 23	
JLVERT	34+95																																
1+26.56	1+00.00	26.6	D4	0.03	0.03	0.95	1.25	0.03	0.03		1.96	10.00	9.24	0.3	_	0.3	0.3	1 -	15	0.0000	0.000	567.22	567.22	567.32	0.23	0.00	0.00	0.00	0.20	0.00	0.10	568.49	1.17

HALFF ASSOCIATES, INC. TBPELS ENG. FIRM NO. F-312

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HICKORY CREEKTX City-close, lakeside living!

PUBLIC WORKS TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

HYDRAULIC CALCULATIONS (SHEET 1 OF 2)

HALFF 4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

JANUARY

SHEET 34

SHEET TITLE

														10	OO-YF	R HYDF	RAULIC	COMP	UTATI	ONS													
			Lo		Dra	inage A	Area 0 +			F	Rainfall Ir	tensity	y		Desig	n Flow		Design	Conduit	Fricti	on Loss	Hydr بر	aulic Gra	de Line	Vel	ocity	,		nor Loss	<u>s</u>		Ground/	/HGL Elev.
Design Point	Downstream Location	Distance	Area Designati	Drainage Area	TotalDrainage Area "A"	Runoff Coefficient "C"	Frequency Fac	Incremental "CA"	Total "CA"	Inlet Time	TravelTime in Conduit	Time of Concentration	Rainfall Intensit	Total Discharge	Bypass Dischar	Inlet Discharge	Conduit Design Discharge	No. of Conduits Span (Rox Culvert)	Diamet Diamet ert Ris	Friction Slope	Friction Loss	Downstream HG Elevation	Upstream HGL Elevation	Design Point HO	Downstredm Velocity (Va	Upstream Velocity(%	Downstream Velocity Head /2g	Upstream Velod Head M≈∕2g	Minor Loss Coefficient K		Total Minor Los	Upstream grou elev	Elev, diff ground-HGL
sta	sta	feet		acres	acres					min		min	in/hr	in/hr		cfs				ft/ft	ft					ft/sec		ft		ft	ft		
ATERAL 3	<u>5+35</u>																														<u> </u>		
1+00.00	1+05.29		E1 BEND	2.98	2.98	0.45	1.25 1.25	0.00	1.68			15 . 00			-	13.3	13.3	1 -	10			565 . 59 564 . 29		566 . 77			0.87	0.00				567 . 53	0.76
ATERAL 3 1+00.00 1+50.04	1+50.04		F1 E1	1.00	1.00	0.45	1.25 1.25	0.56 1.68	0.56			15 . 00			-	4.5 17.6	4.5 17.6	1 -	- 10					565 . 65			0.10	0.00		0.00		567 . 50 566 . 92	1.85 1.48
_ATERAL 3	<u>7+75</u>																																
	1+42.59 1+42.59		G1-G5 CNCT	6.68	6.68 6.68	0.45	1.25	3.76 0.00	3.76 3.76		0.08				-	29.7	29.7	1 -						565 . 23 562 . 76			1.39 1.38	0.00				565.39 564.07	
CULVERT 3	8+50																														<u> </u>		
1+25.71	1+00.00	25.7	G2-G5	3.44	3.44	0.45	1.25	1.94	1.94		0.05	15.00	7.91	15.3	-	15.3	15.3	1 -	18	0.0212	0.546	565.60	566.15	566.38	8.66	0.00	1.17	0.00	0.20	0.00	0.23	566.70	0.32
CULVERT 3	9+45																																
1+26.33	1+00.00	26.3	G3-G5	2.24	2.24	0.45	1.25	1.26	1.26		0.08	15.00	7.91	10.0	-	10.0	10.0	1 -	18	0.0090	0.237	566.80	567.04	567.14	5.64	0.00	0.49	0.00	0.20	0.00	0.10	567.82	0.68
CULVERT 4	0+30																																
1+26.26	1+00.00	26.3	G4-G5	1.23	1.23	0.45	1.25	0.69	0.69		0.10	15.00	7.91	5.5	-	5.5	5.5	1 -	15	0.0072	0.189	567.55	567.74	567.84	4.46	0.00	0.31	0.00	0.20	0.00	0.10	568.66	0.82
CULVERT 4	1+45																																
1+30.24	1+00.00	30.2	G5	0.06	0.06	0.45	1.25	0.03	0.03		1.98	10.00	9.24	0.3	-	0.3	0.3	1 -	15	0.0000	0.001	568.47	568.47	568.57	0.25	0.00	0.00	0.00	0.20	0.00	0.10	569.52	0.95
CULVERT 4	3+30																														T		
1+00.00	1+29.69	29.7	H1	1.70	1.70	0.45	1.25	0.96	0.96		0.08	15.00	7.91	7.6	-	7.6	7.6	1 -	15	0.0137	0.407	567.38	567.79	567.91	6.17	0.00	0.59	0.00	0.20	0.00	0.12	568.38	0.47
CULVERT 5	2+05																																
1+37.00	1+00.00	37.0	I1-I2	1.73	1.73	0.60	1.25	1.30	1.30		0.09	10.00	9.24	12.0	_	12.0	12.0	1 -	18	0.0130	0.482	564.02	564.50	565.39	6.78	0.00	0.71	0.00	1.25	0.00	0.89	565.51	0.12
CULVERT 5	3+00																																
1+83.37 1+38.07	1+38.07		I2 BEND	0.60	0.60	0.60	1.25	0.45	0.45 0.45			10.00			-	4.2	4.2	1 -						565 . 98			0.18 0.18	0.00				567.73 567.04	1.75 1.34
CULVERT 5	3+15																																
3+49.12	1+00.00	249.1	J1-J2	1.47	1.47	0.60	1.25	1.10	1.10		0.72	10.00	9.24	10.2	-	10.2	10.2	1 -	18	0.0094	2.342	564.55	566.89	567.00	5.76	0.00	0.52	0.00	0.20	0.00	0.10	571.68	4.68
CULVERT 5	9+25																												<u> </u>	<u> </u>	<u> </u>		
1+39.47	1+00.00	39.5	J2	0.25	0.25	0.60	1.25	0.19	0.19		0.47	10.00	9.24	1.7	_	1.7	1.7	1 -	15	0.0007	0.028	573.26	573.29	573.39	1.41	0.00	0.03	0.00	0.20	0.00	0.10	574.46	1.07

HALFF ASSOCIATES, INC. TBPELS ENG. FIRM NO. F-312 RELIMINARY - FOR INTERIM REVIEW (

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SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

HYDRAULIC CALCULATIONS (SHEET 2 OF 2)

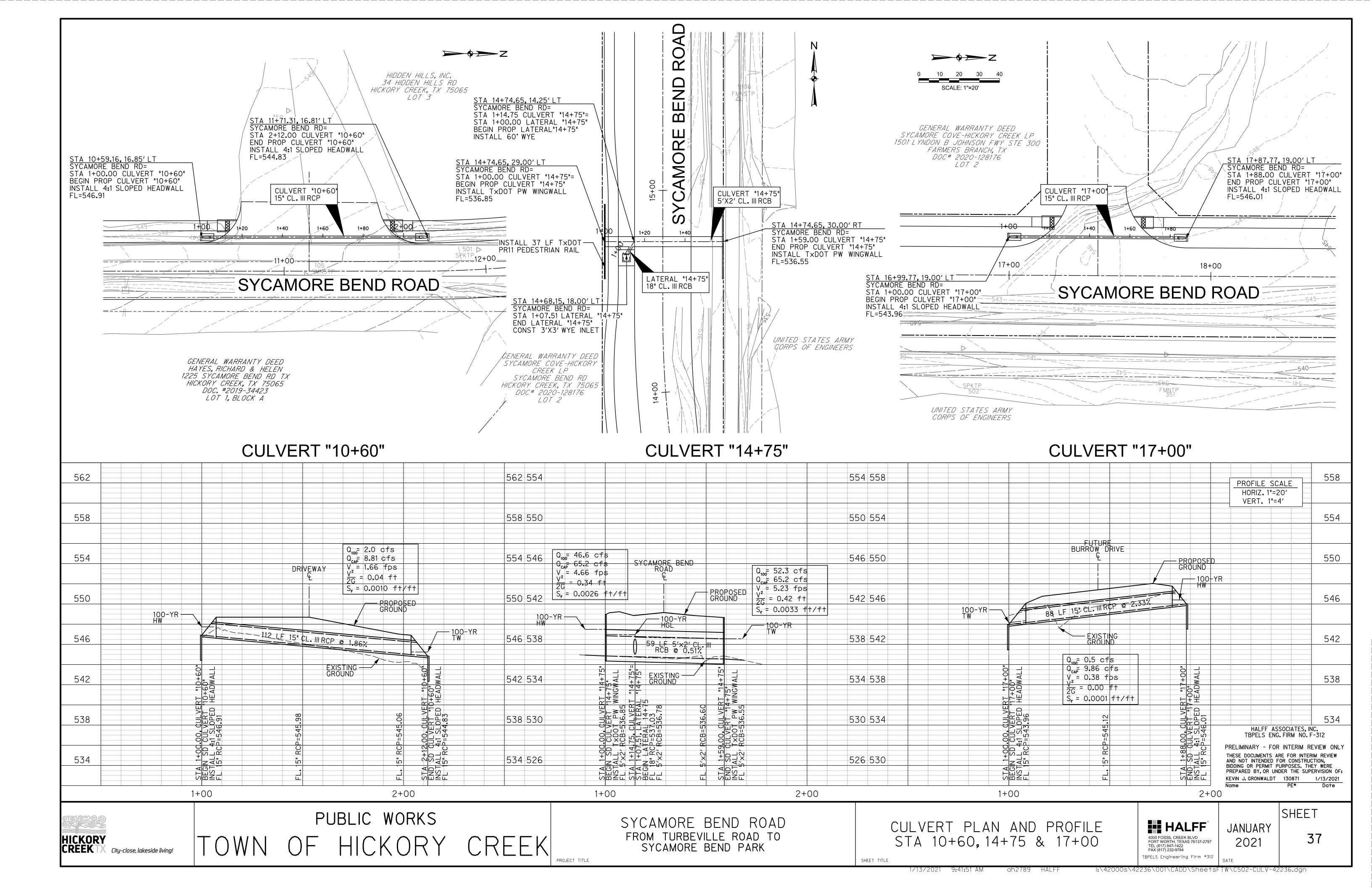
4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

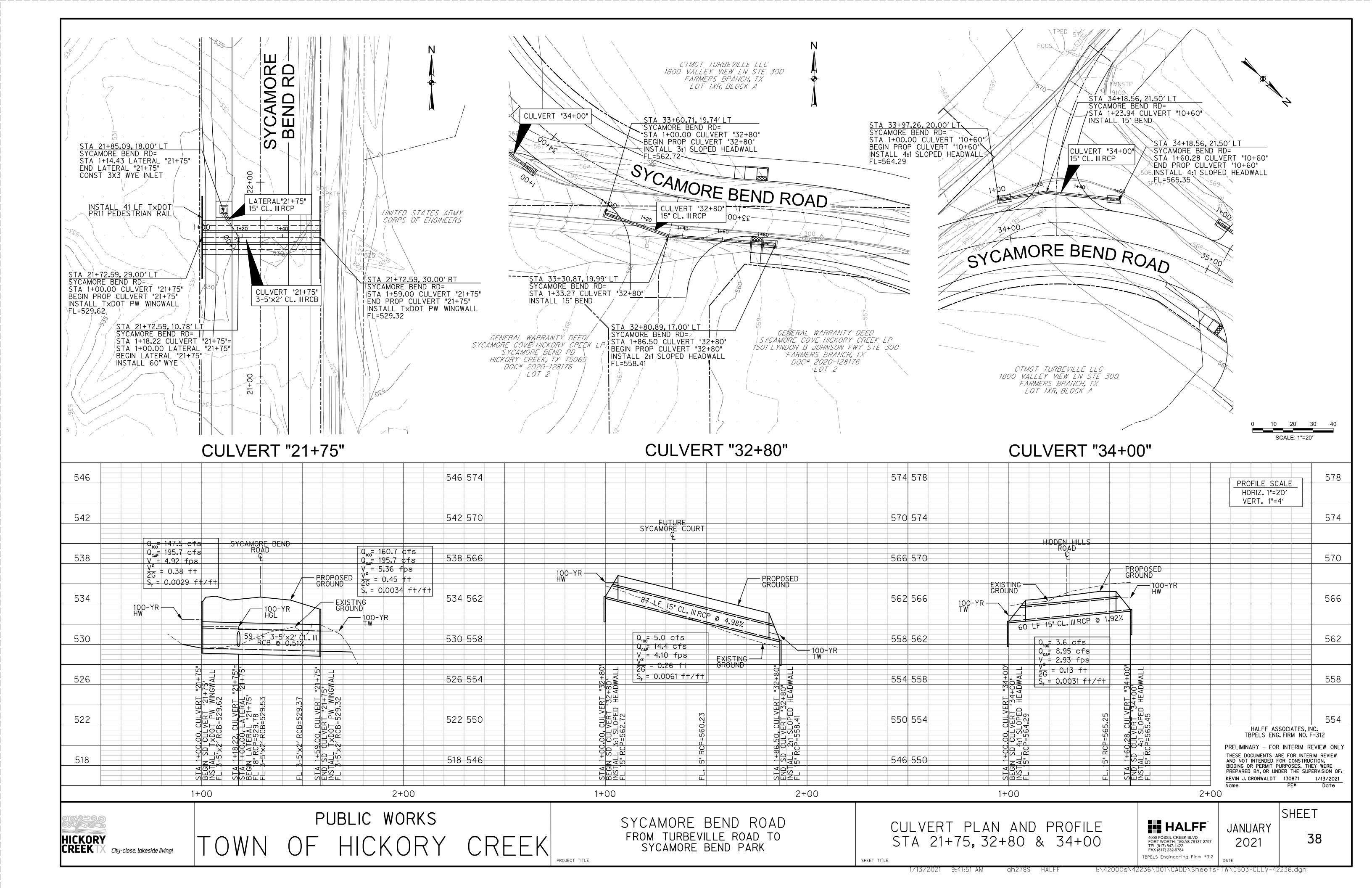
JANUARY 2021 SHEET

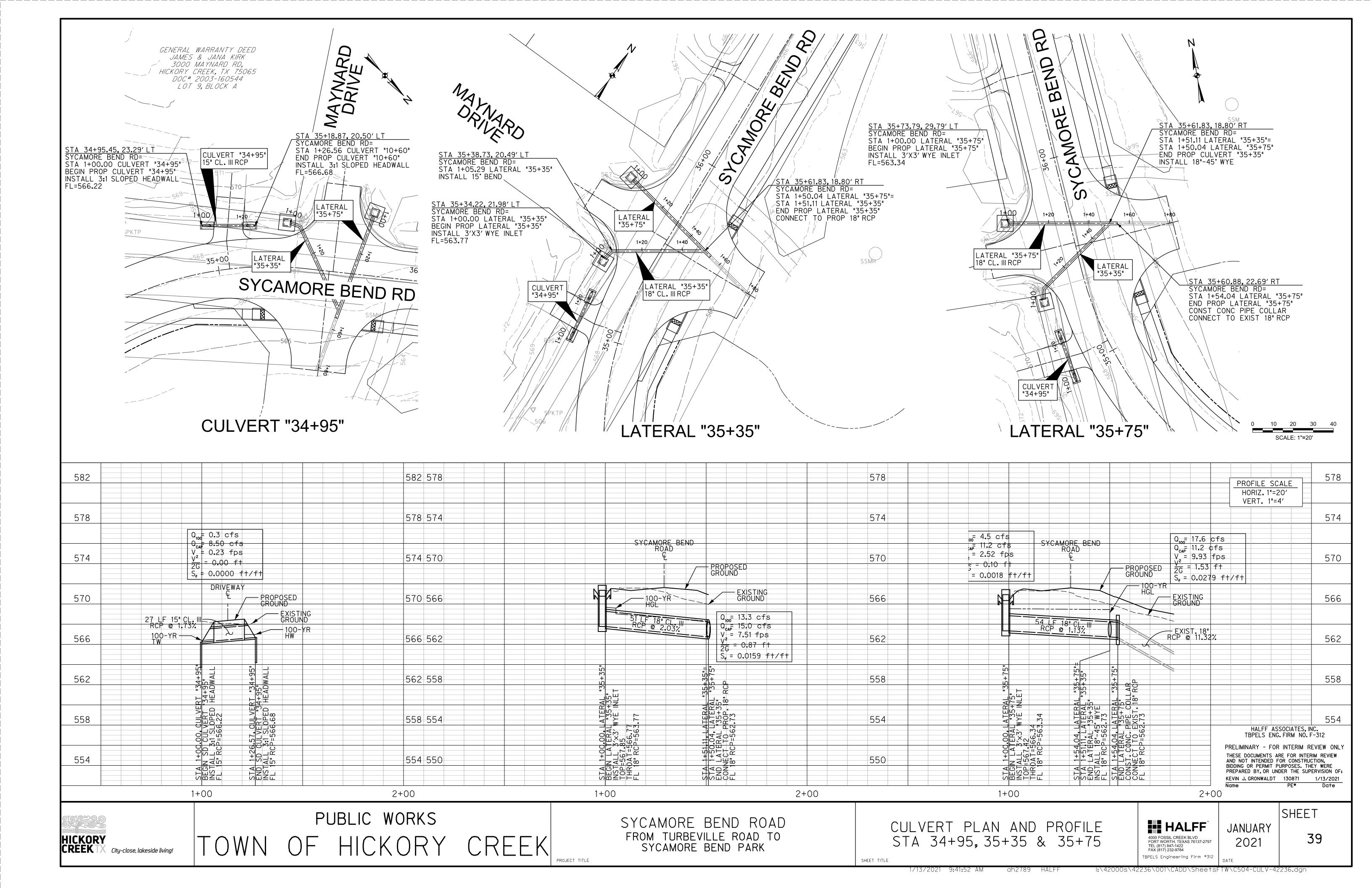
SHEET TITLE

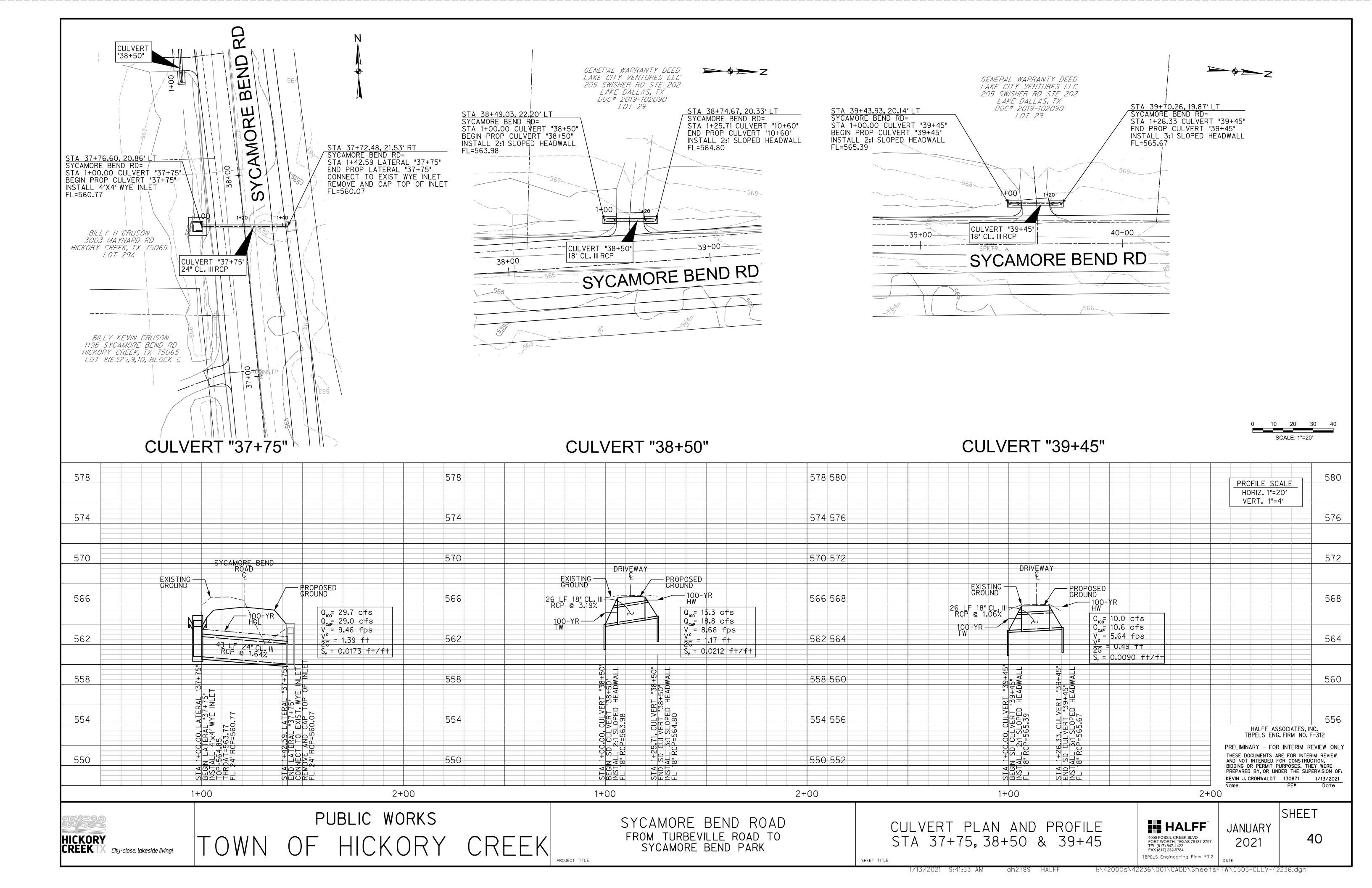
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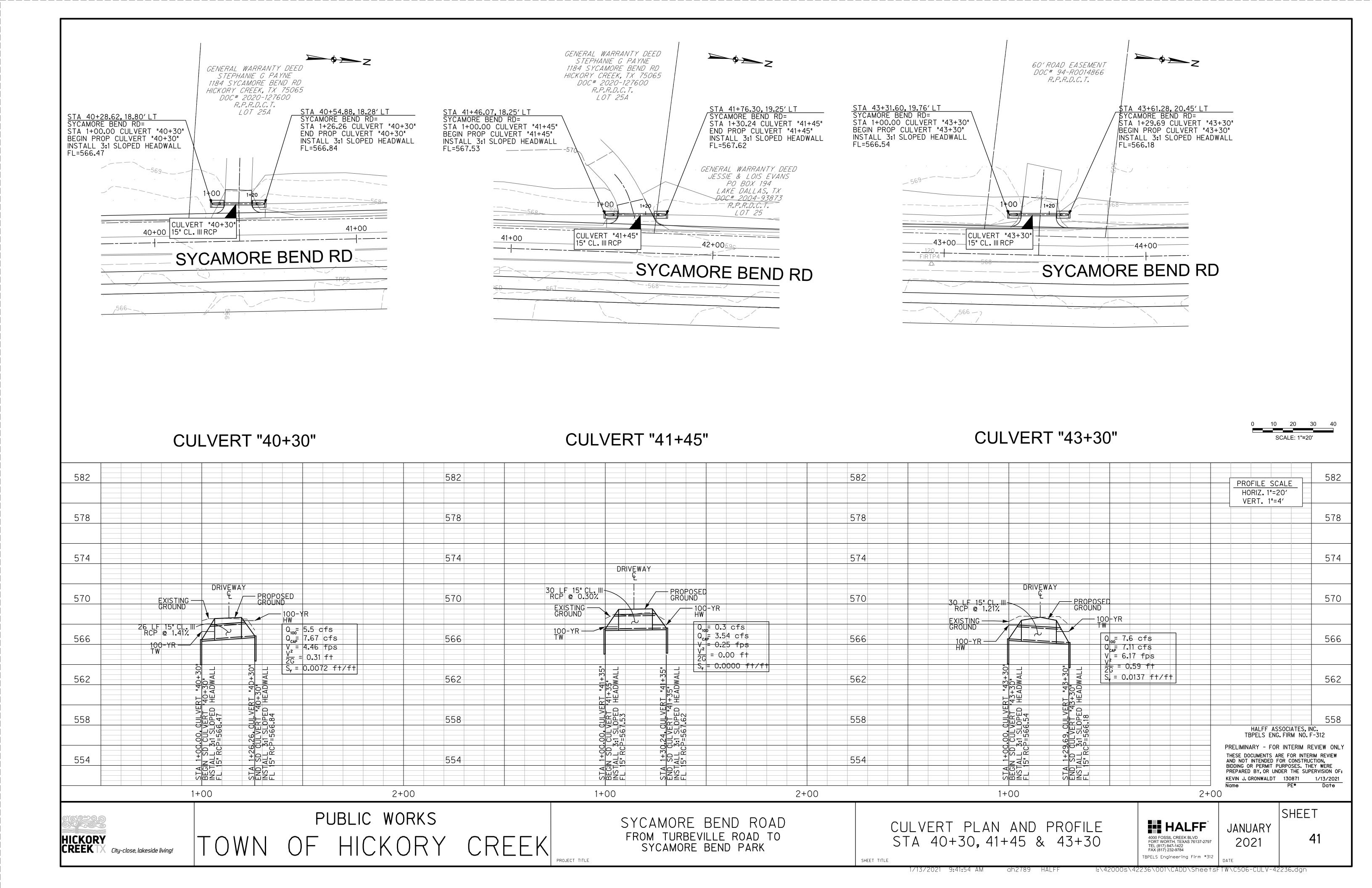
RE RK

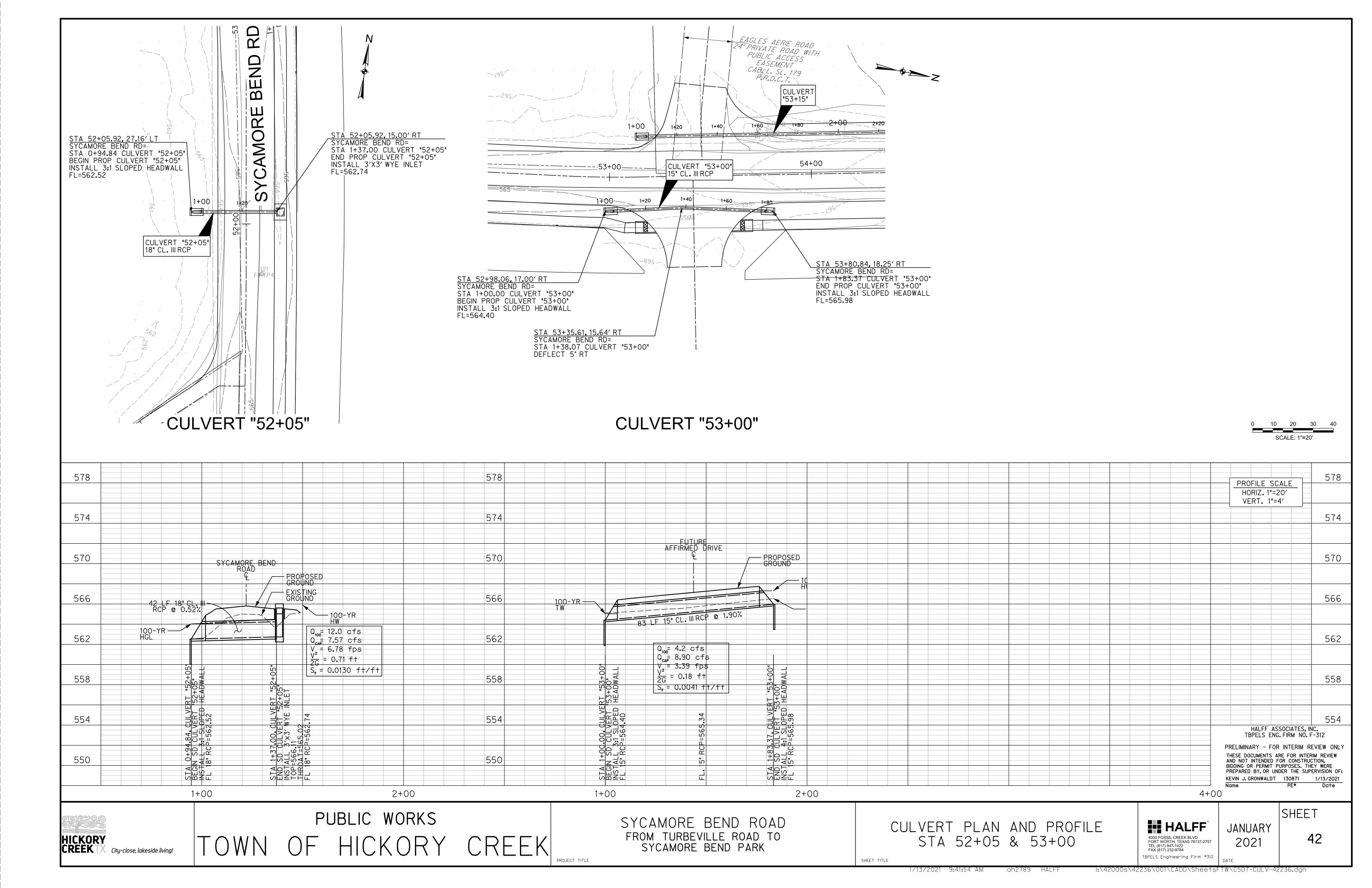


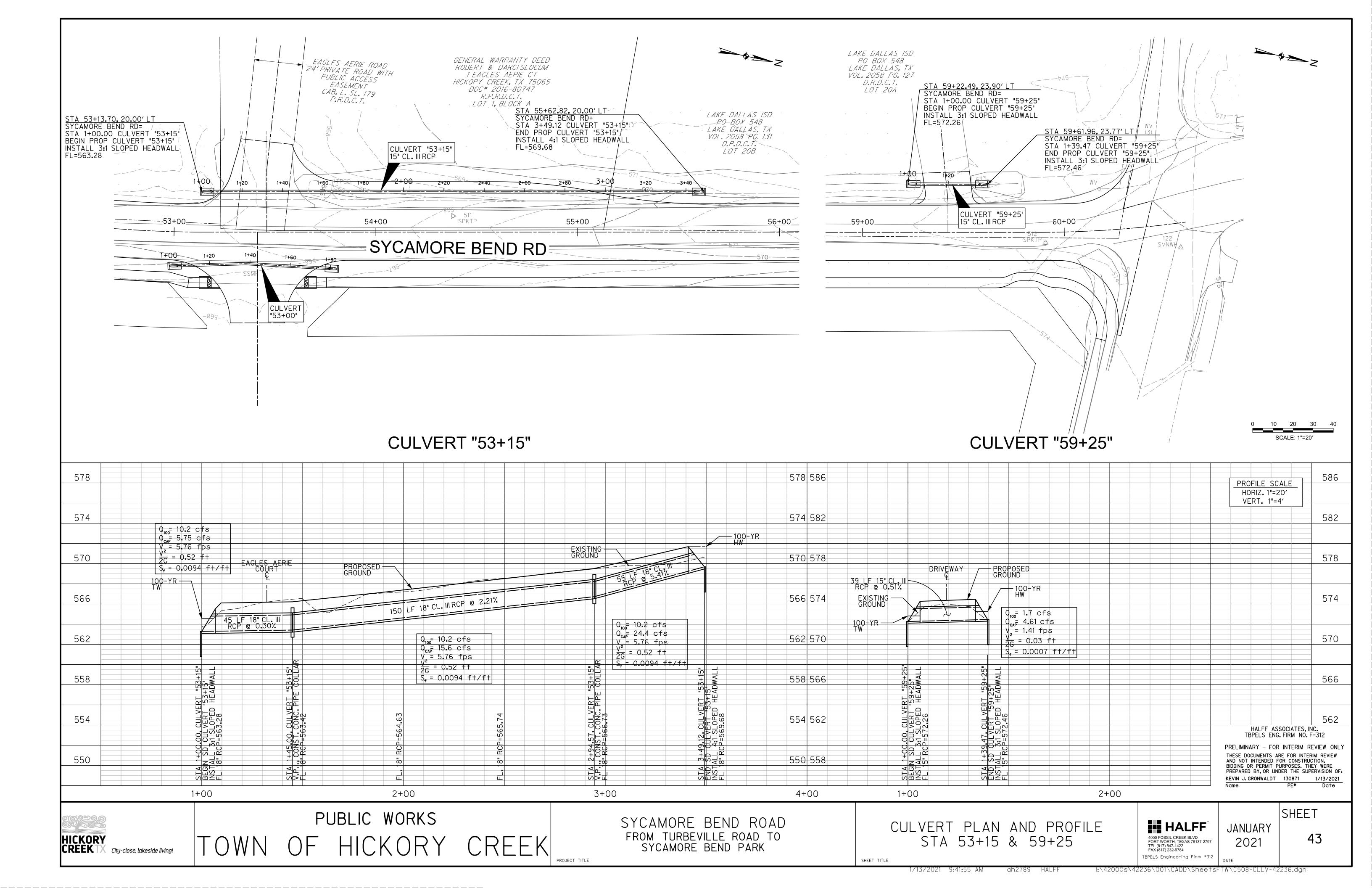


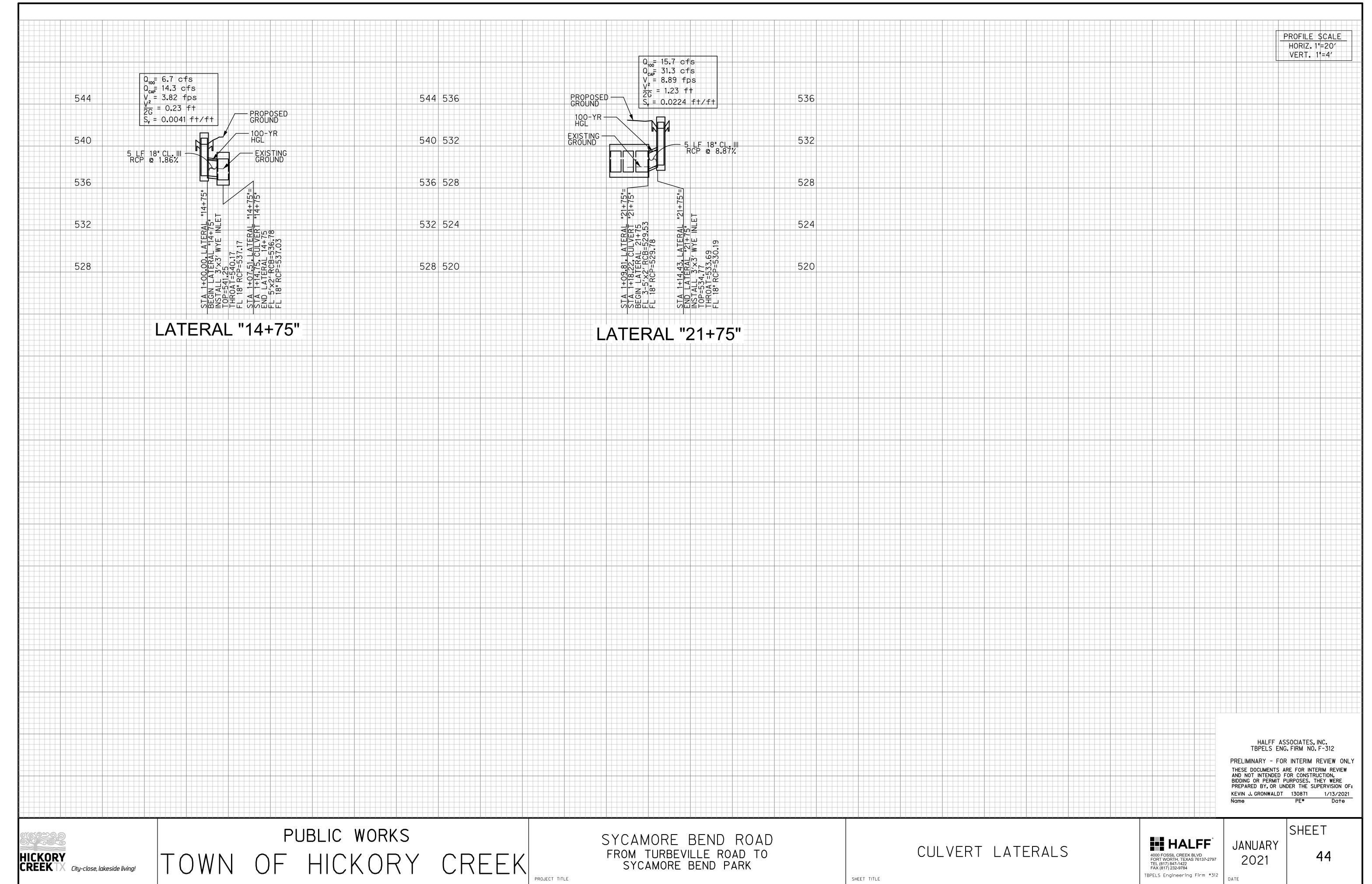






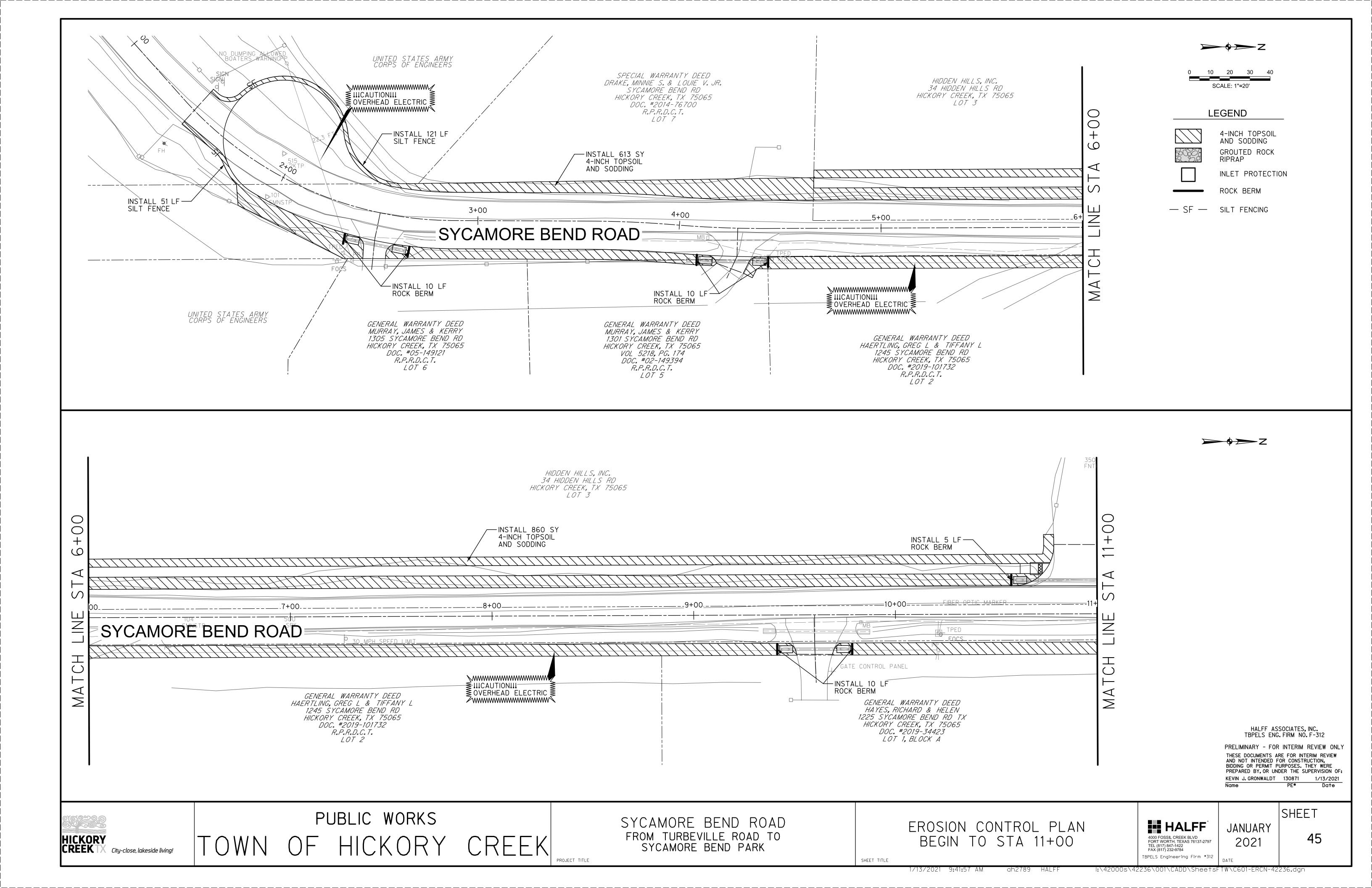


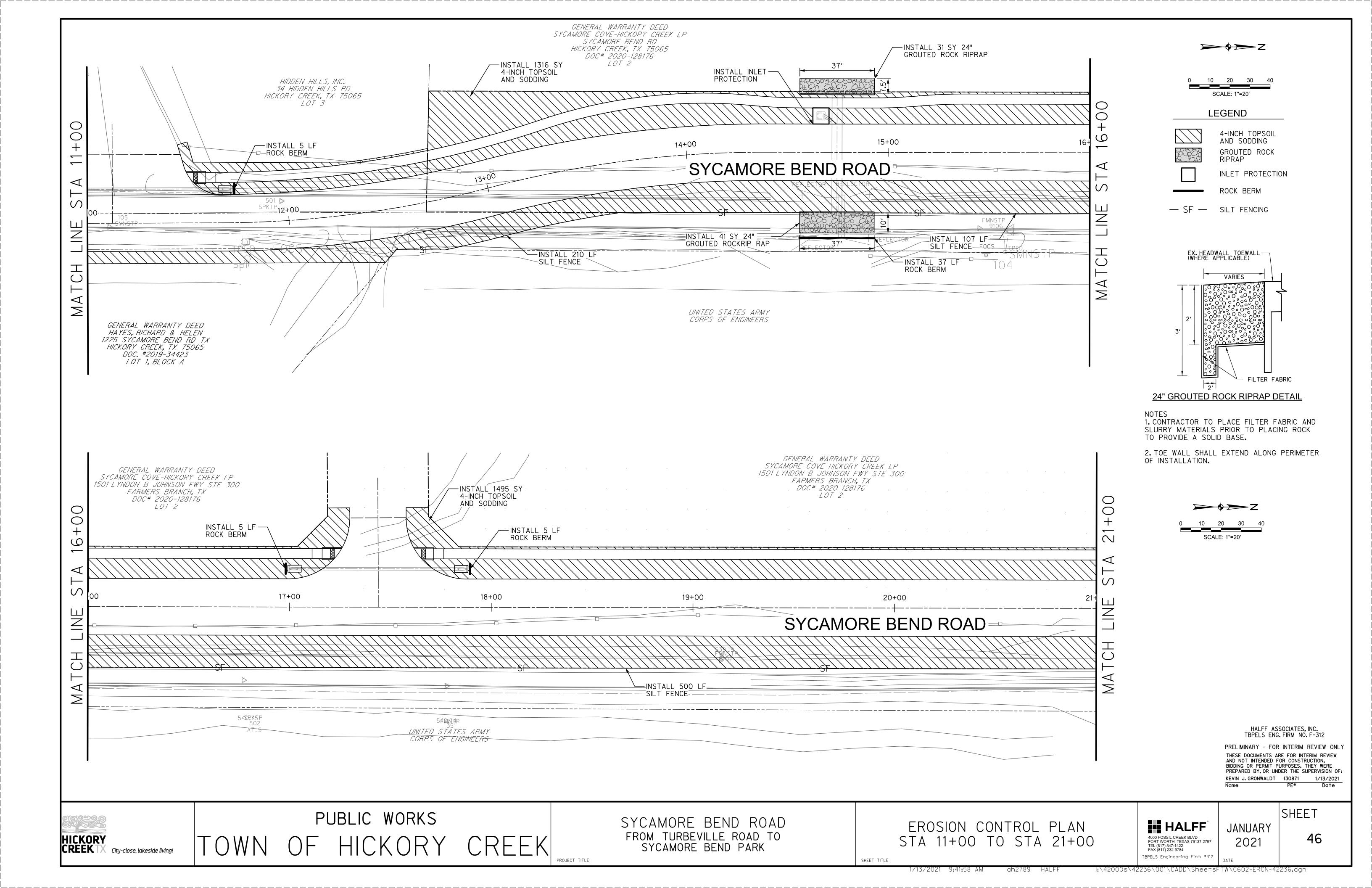


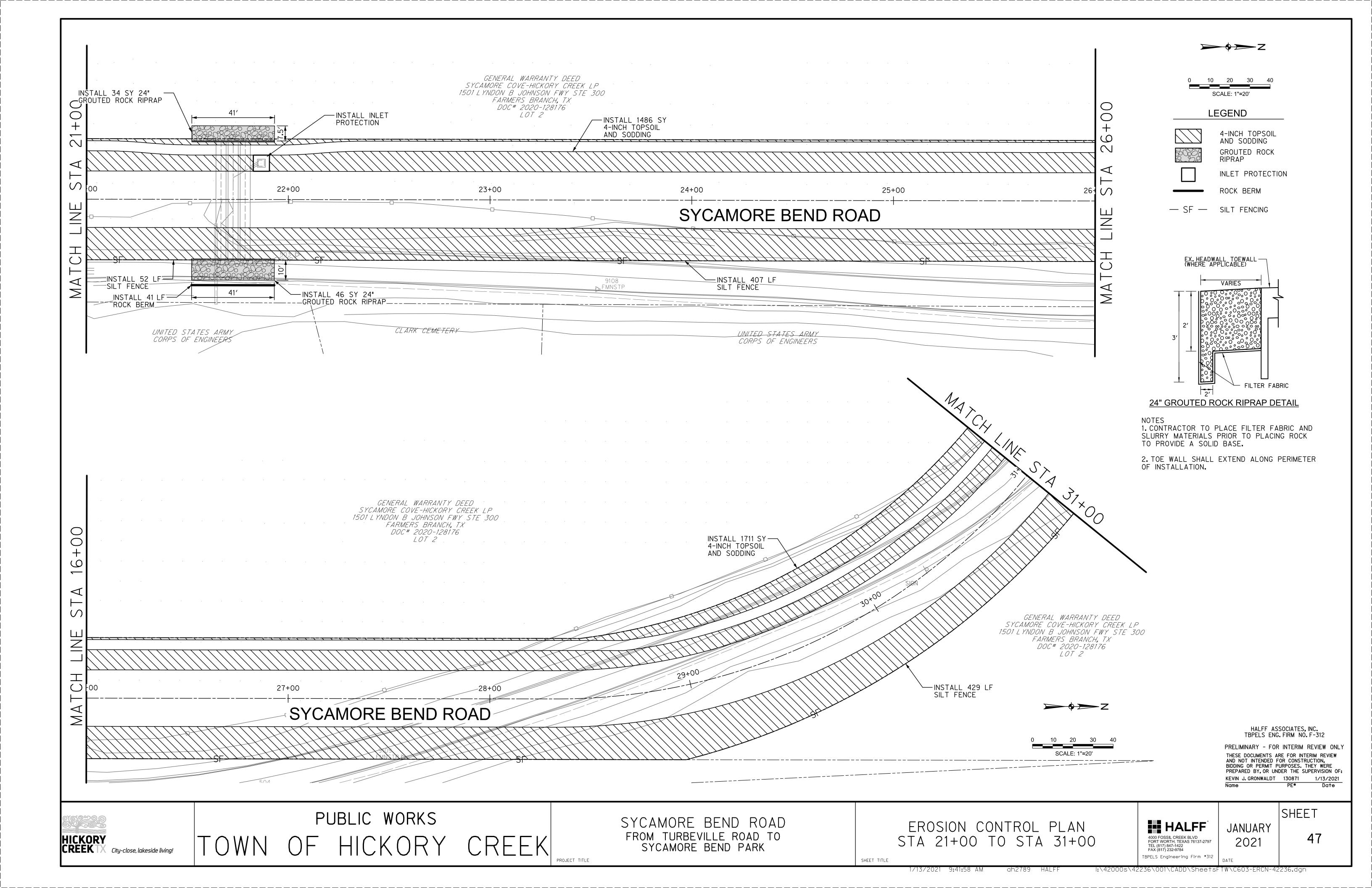


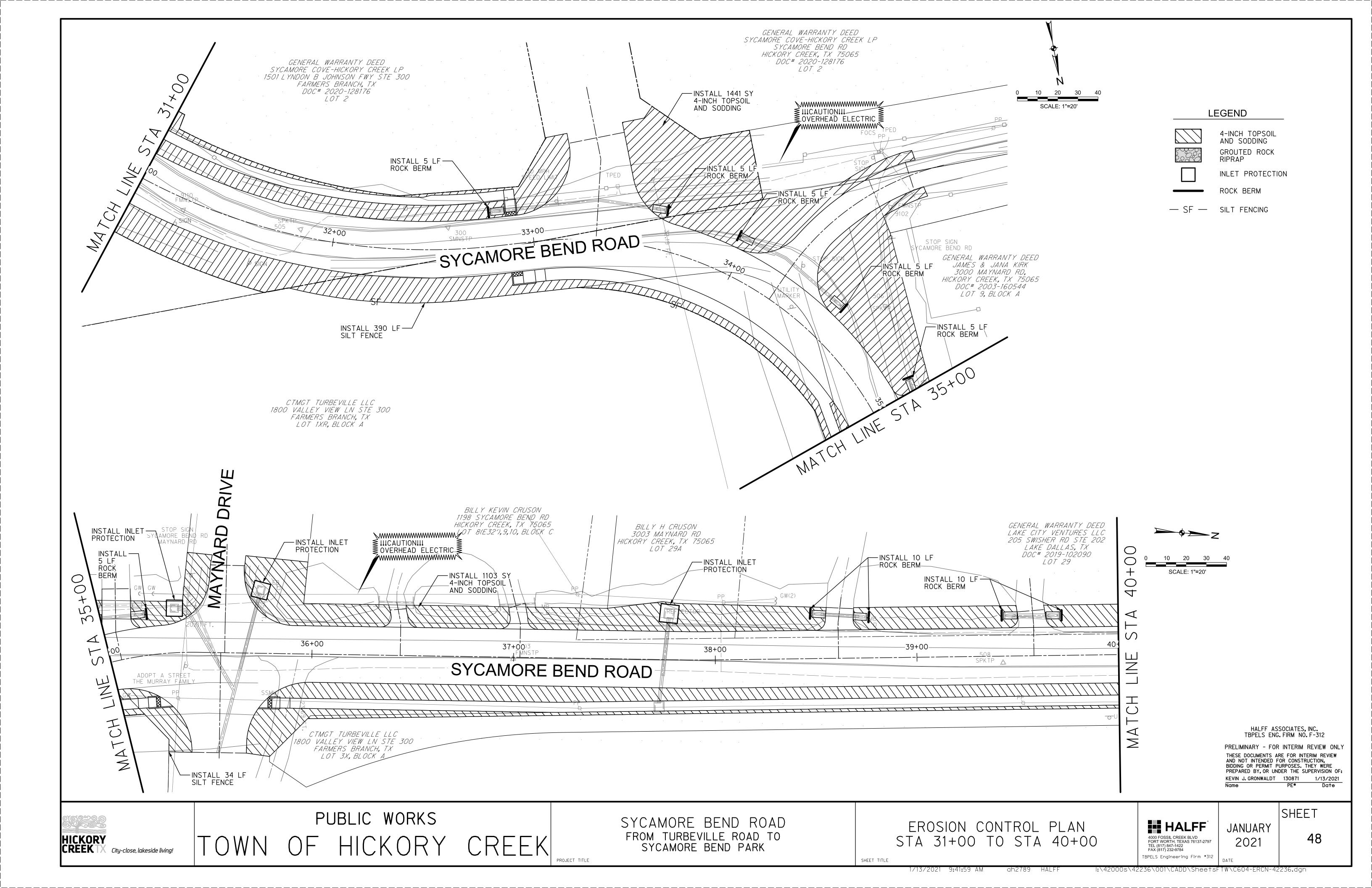
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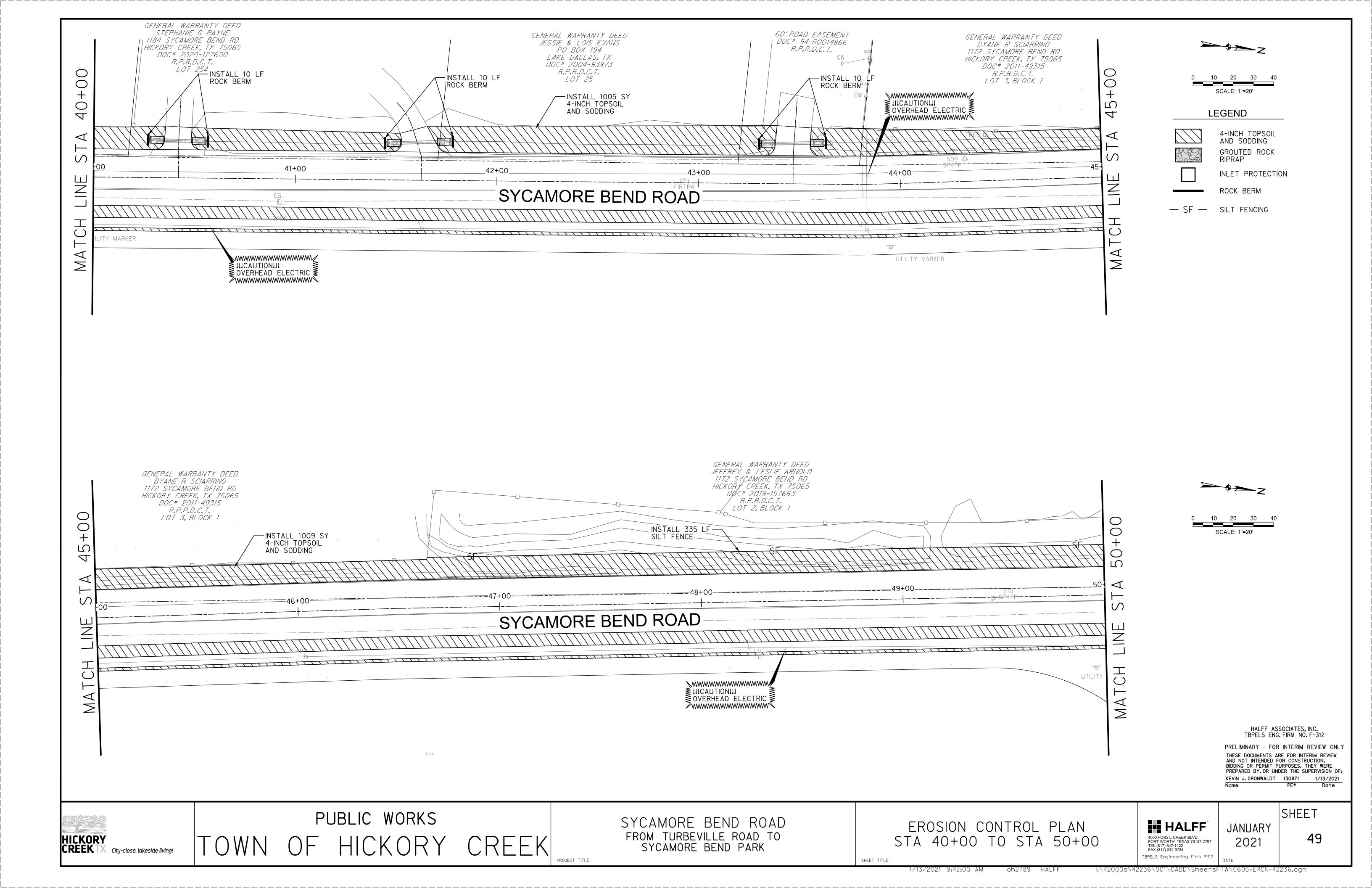
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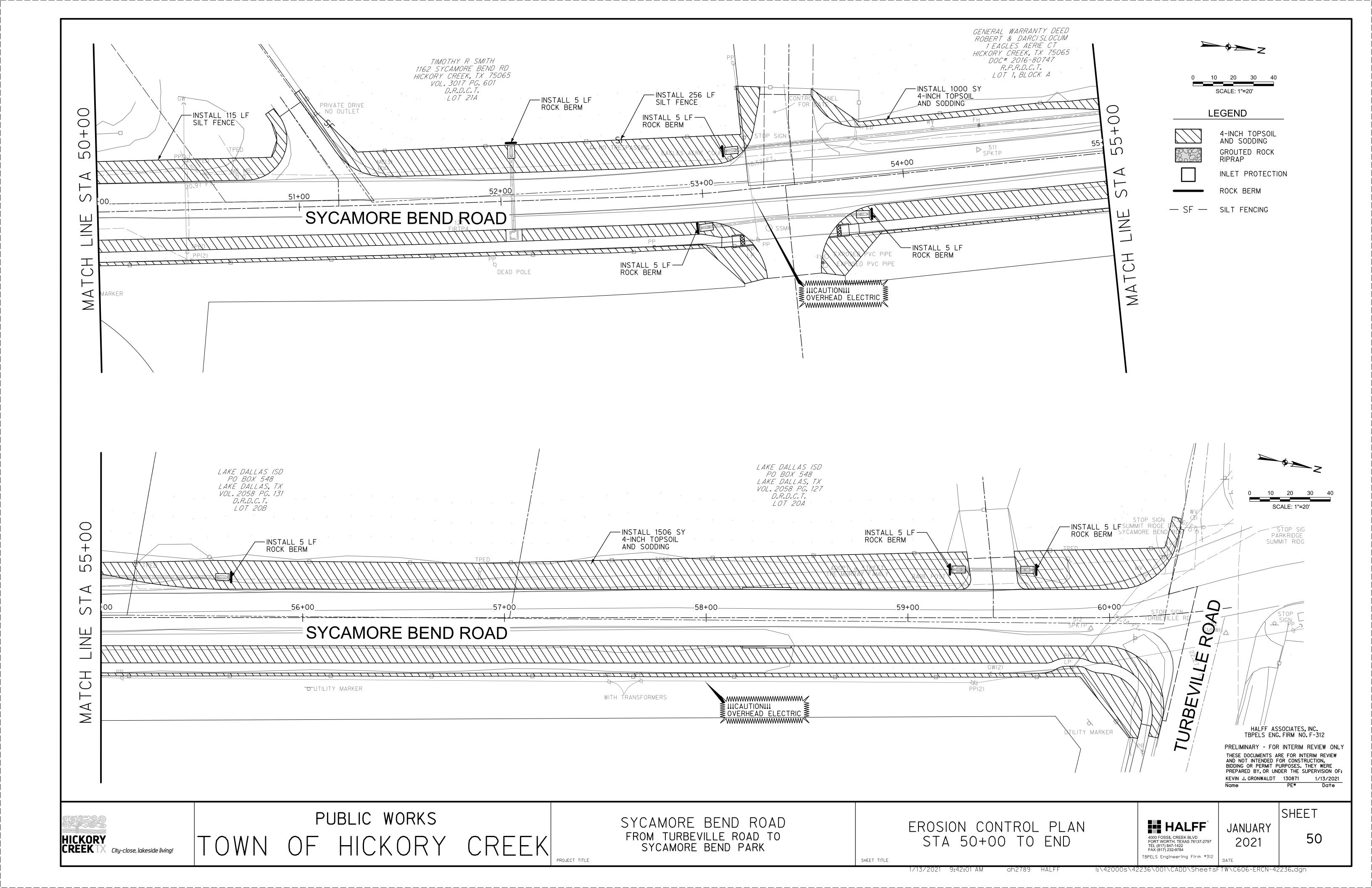


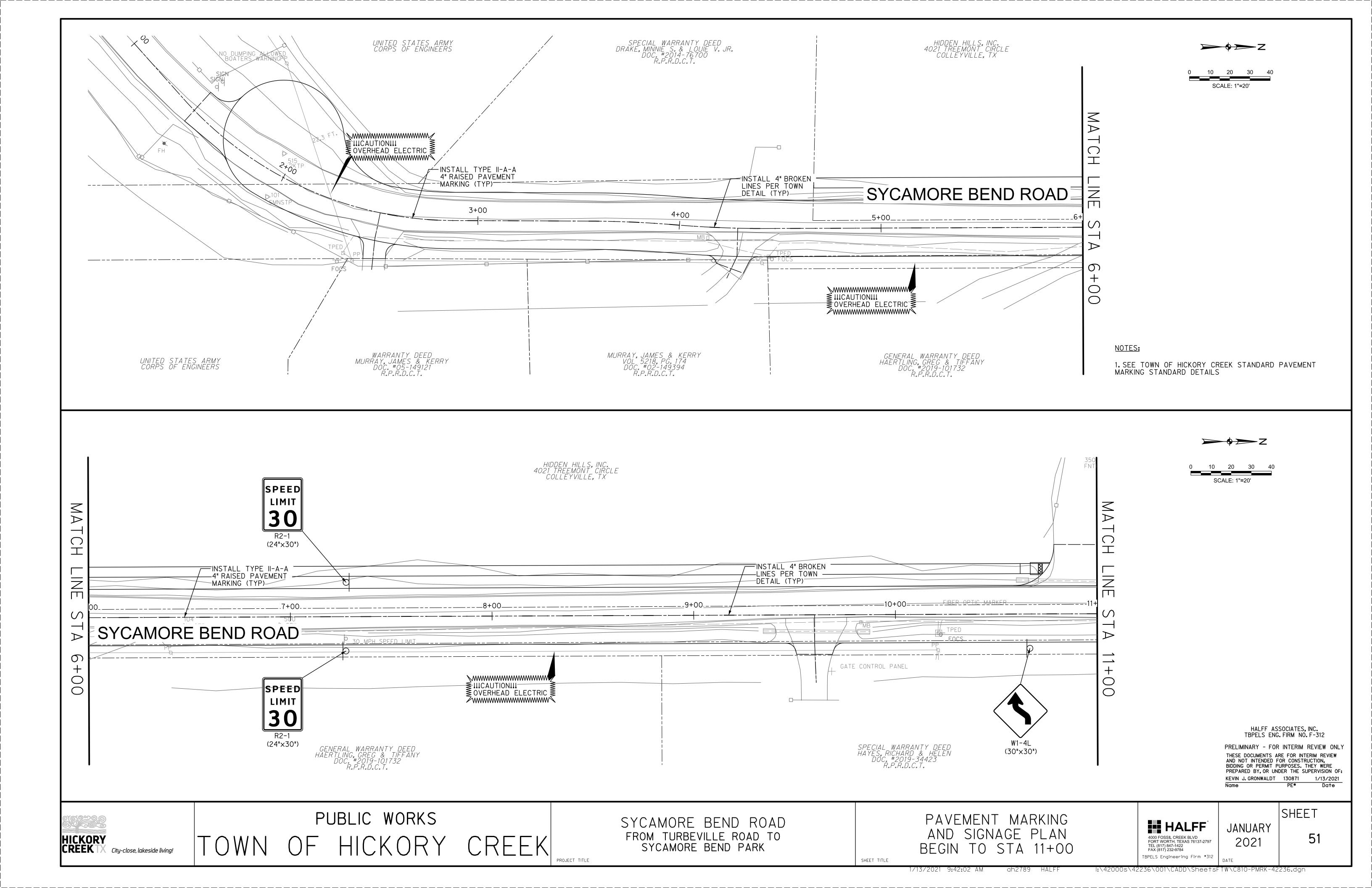


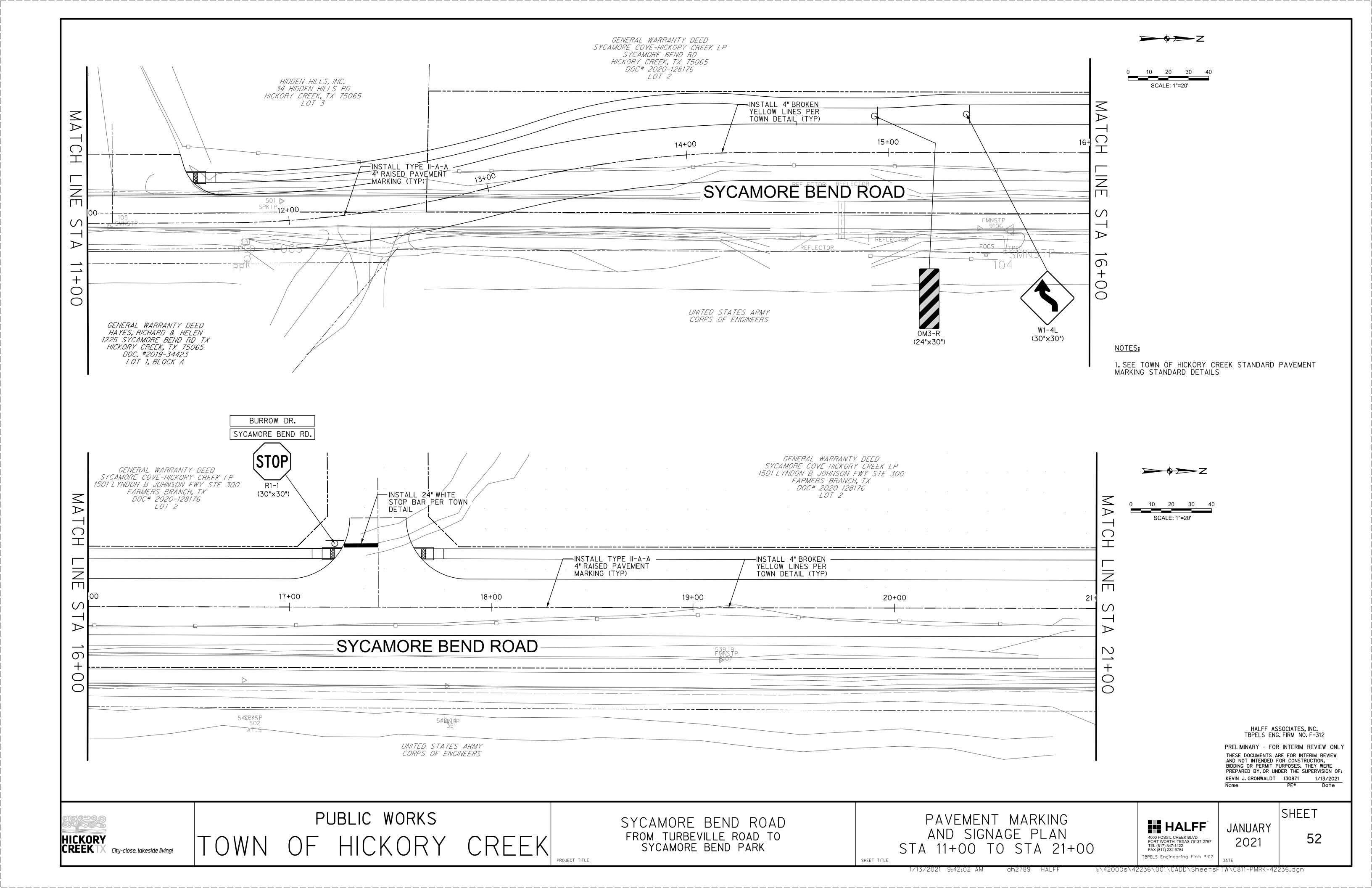


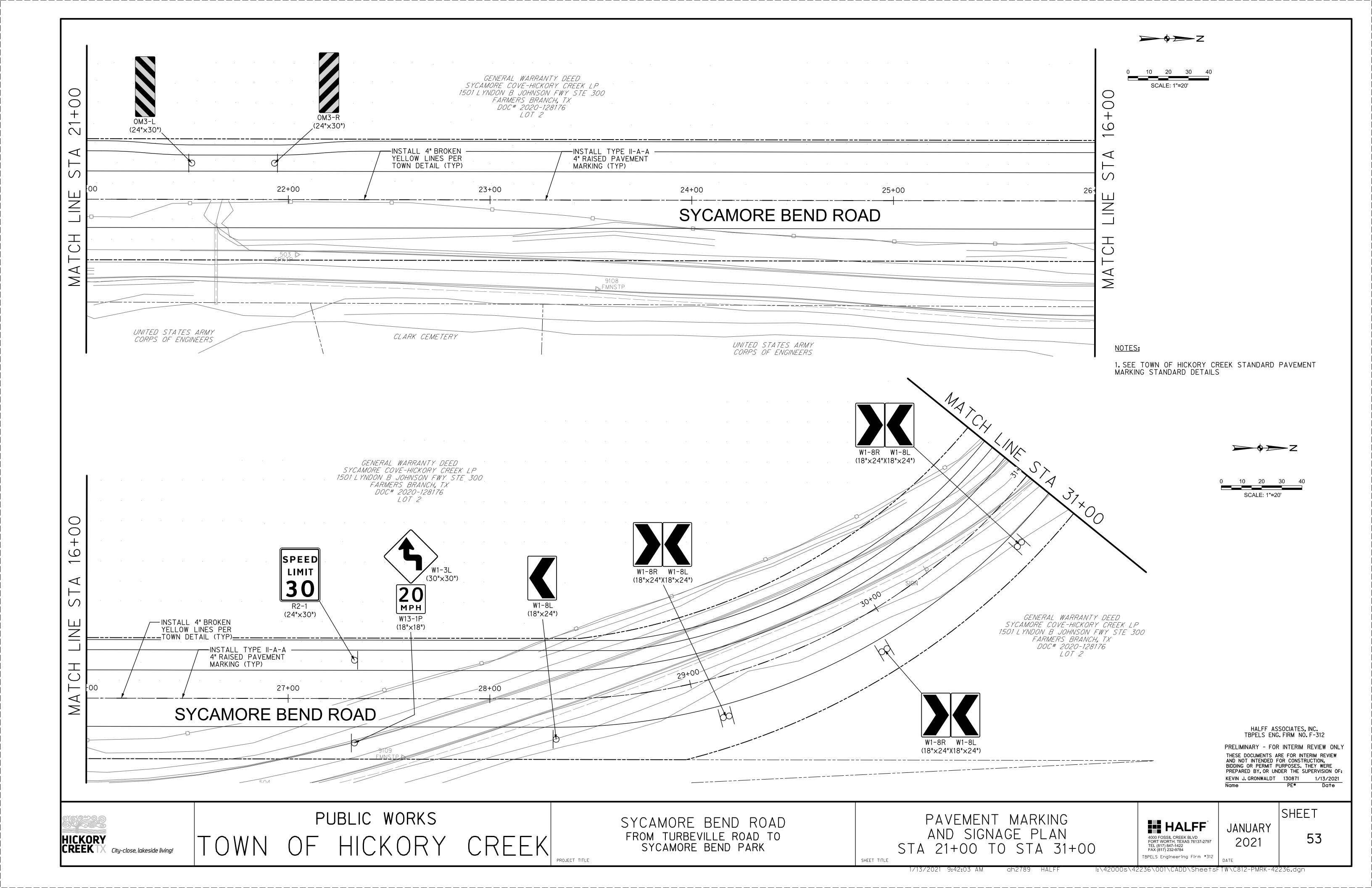


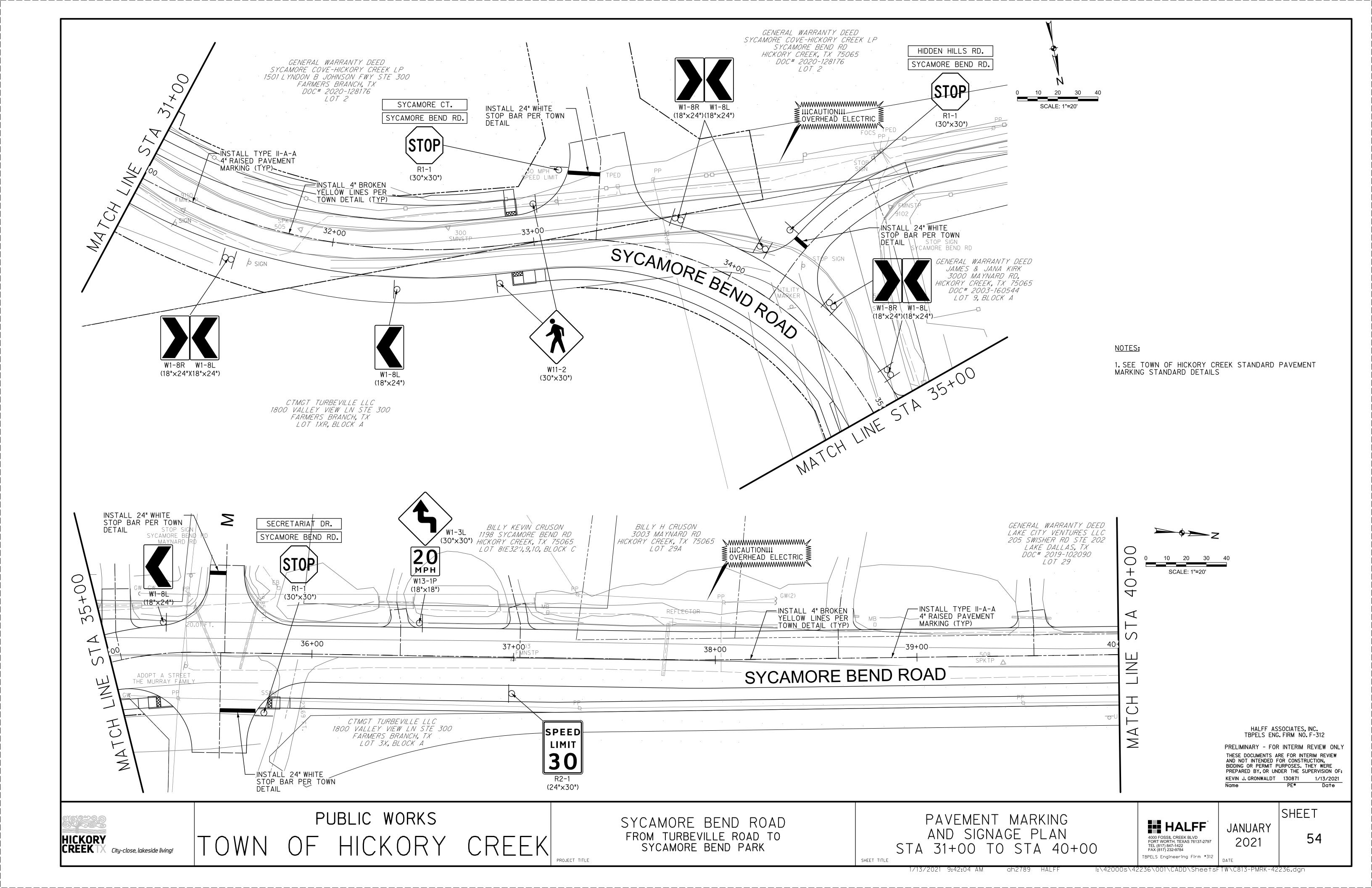


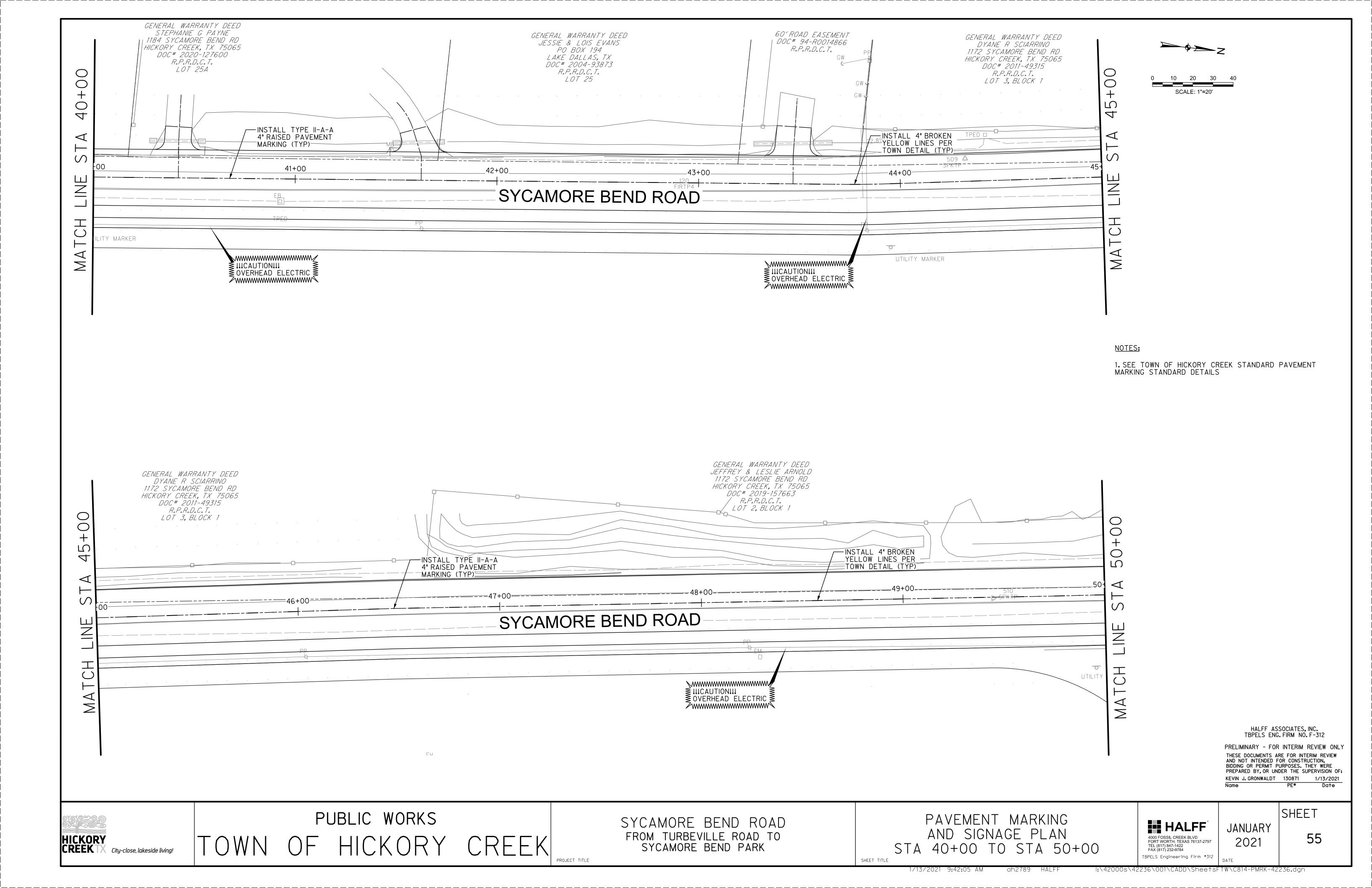


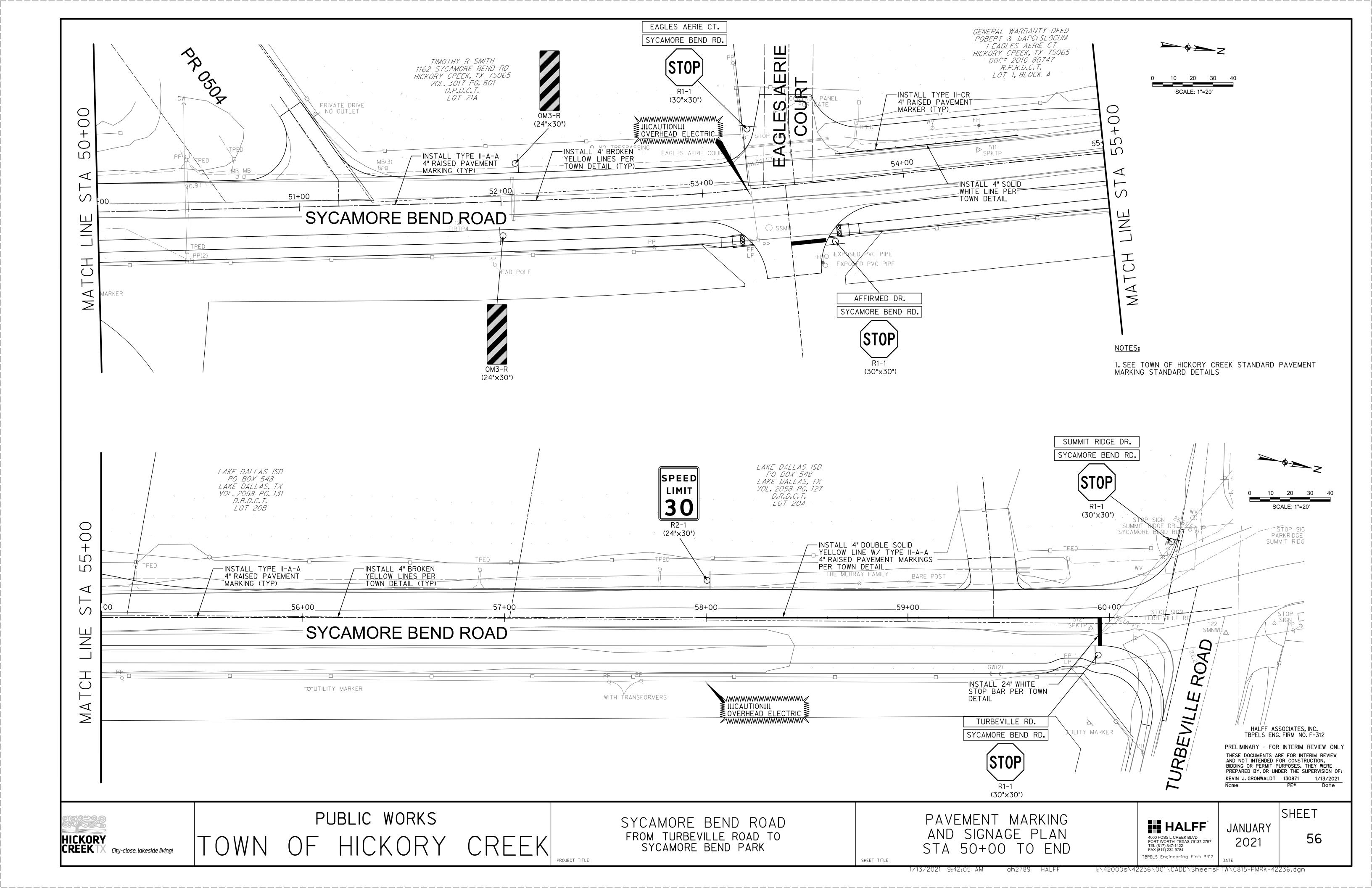












PAVING GENERAL NOTES

- 1. All construction shall be in accordance with the standard specifications and details of the Town of Hickory Creek and the Fifth Edition of the "Standard Specifications for Public Works Construction - North Central Texas" herein referred to as "COG". Copies may be obtained from the North Central Texas Council of Governments. 616 Six Flags Drive. Suite 200. Arlington, Texas 76005-5888.
- 2. Subgrade preparation shall be in accordance with COG Item 301.
- 3. Lime Stabilized subgrade shall be installed in accordance with COG Item 301.2. Lime shall be placed using the slurry method, to be mixed on-site and not trucked in. Refer to COG Item 301.2.1.1.
- 4. The Contractor shall install supporting chairs for reinforcing steel on a one per square yard spacing in all concrete pavements. The chairs are to be plastic and installed as per COG Item 303.2.11.
- 5. 20% (by weight) of the cement content may be replaced with Type C fly ash. Refer to COG Item 303.2.4.
- 6. Concrete for all paving and curbs within Town of Hickory Creek shall have a minimum strength of 4,000 psi at 28 days for machine paved and 4,500 psi at 28 days for hand poured. The Town shall approve the concrete mix design in writing prior to use.
- 7. Slump requirements for slip form paving shall be an average of three inches with a maximum of four inches; for hand formed paving it shall be an average of four inches with a maximum of five inches; and for sidewalk & other it shall be specified by the owner. Refer to COG Item 303.3.4.4.
- 8. Curbs for concrete pavement shall be poured monolithically. Refer to COG Item 303.5.9.
- 9. The Contractor shall use a liquid membrane-forming compound as per COG Item 303.2.13.1.1.
- 10.Construction joints shall be used in all bock-outs for driveways and inlets.
- 11. Transverse joints shall be sawed on 15 foot centers for all pavement thicknesses. The concrete saw must be stationed on the job-site prior to placing the pavements. All joints shall be sawed within an eighteen (18) hour period from the time of the pour.
- 12. Construction and longitudinal joints shall be placed in accordance with details. Saw joints to be 1/4 inch for each inch of pavement thickness.
- 13. The Contractor shall submit a Jointing Plan, for review by the Town, prior to placing.
- 14. Parkway, roadway ditches and adjacent disturbed areas for paving of roadways in undeveloped areas shall be seeded with Bermuda grass. Parkway and adjacent disturbed areas for paving of roadways in developed areas shall be block sodded with either Bermuda or St. Augustine to match the adjacent private property. Medians shall be block sodded. All sodding and seeding will be placed on four inches of topsoil. The Contractor is responsible for maintenance, including mowing and watering until vegetation is established at not less than 20 plants per square foot area, and until accepted by the Town.
- 15. Unless stated otherwise in the Contract Documents, the Contractor is responsible for all testing. All final reports shall be turned in to the Town Inspector within five (5) working days. Failed samples must be reported to the Town Inspector immediately.
- a. The CONTRACTOR shall be responsible for notifying the Town Inspector at least 24 hours prior to any required testing.
- b. Soil testing technicians shall provide written proof of having minimum of two (2) years of related field experience.
- c. The CONTRACTOR shall coordinate all testing activities with the Town Inspector and shall facilitate required testing throughout the construction period. The Inspector shall be present during all testing.
- d. The Town shall make final decision as to the validity of all testing results.
- e. The CONTRACTOR shall be responsible for ensuring that materials to be tested are in compliance with all plans and specifications prior to testing. All materials found not to be in compliance with the plans and specifications before and after testing shall be removed and replaced at the CONTRACTOR'S expense.
- f. All costs associated with the retesting of work that fails to meet the specifications required in the contract documents shall be borne by the CONTRACTOR For Town projects, retesting cost shall be withheld from pay requests submitted by the CONTRACTOR, this cost will be based on the Towns cost with no additional mark-up. A letter of acceptance will not be issued until all testing deficiencies are addressed and all related cost paid.
- g. The Town Inspector shall be notified of concrete placement 24 hours in advance for steel and form inspection.

h. Subgrade Testing

- 1) Samples shall be taken for all classifications of soils on site. Testing for sulfate presence and lime series tests shall be conducted for all samples prior to any stabilization. If sulfate content is greater than 2,000 ppm (parts per million), specific recommendation shall be made by geotechnical engineer for subgrade preparation and thicker pavement section to be approved by the Town. The use of lime or cement and the percent content shall comply with the Geotech Engineer recommendations. Additional geotechnical testing and recommendations may be required by Town as field conditions dictate. Atterberg Limits shall be determined on all Proctor samples.
- 2) Gradations for lime treated subgrade shall be taken at intervals not exceeding 300 feet along road and must pass 100% through a 1 3/4" sieve and 60% through a No. 4 sieve according to NCTCOG Item 301.2.3.5.1.
- 3) Gradations for Portland cement treated subgrade shall be taken at intervals not exceeding 100 feet along road and must pass 100% through a 1" sieve and 80% through a No. 4 sieve according to NCTCOG Item 301.3.3.2.
- 4) Lime subgrade shall be tested in accordance with NCTCOG Item 301.2.1.3. Tests will be performed by excavating deeper than lime treatment and administering a phenolphthalein indicator.
- 5) Densities shall be taken on subgrade in accordance with the Wastewater General Notes 15.i.3 Mechanical Tamping and in accordance with NCTCOG Item 301.2.3.6 unless otherwise stated on the plans or in the specifications.
- 6) All subgrade shall be visually "proof rolled" after it is trimmed and prior to placement of steel.
- 7) Densities shall be taken at least 72 hours before concrete placement (NCTCOG Item 303.5.1). If more than 72 hours elapse, densities must be retaken unless an approved emulsion sealant is used in accordance with NCTCOG Item 302.3.5.
- 8) Locations for densities, gradations, and depth checks shall be at the discretion of the Inspector and shall be representative of the entire cross section of the subarade.
- 9) Subgrade failures shall be defined by Inspector or ENGINEER. Repair method will be discussed with Inspector or ENGINEER and approved prior to beginning repair work.
- 10)Multiple tests may be required across width of right-of-way.
- 11) For emulsion placement over subgrade refer to NCTCOG Item 302.3.5.2.
- i. Concrete Testing for Pavements, Curbs, Sidewalks and Driveways.
- 1) A concrete mix design must be submitted and approved by the Town prior to any placement of concrete. A minimum of four (4) test cylinders shall be obtained per one hundred cubic yard (100 cy) of concrete placed with a minimum of four cylinders per placement. ests shall also include slump, air contents and temperature of concrete mixture; each mix design of concrete placed each day shall also be tested. Concrete strength shall be tested at 7 days (2) cylinders) and 28 days (2 cylinders). Additional cylinders and or tests may be requested at the Town Inspector's discretion.
- 2) Concrete with a temperature of 85 degrees or higher will require a retarding agent admixture.
- 3) The maximum temperature of concrete at the time of placement shall not exceed 95 degrees. It shall be the CONTRACTOR and/or his supplier's responsibility to take steps to control the temperature of concrete. All concrete that exceeds the temperature limit of 95 degrees will be rejected.
- 4) Forms shall not be removed from pavement, sidewalks, ramps, or retaining walls for 24 hours minimum, and shall not be backfilled less than 72 hours after concrete placement. Pavement shall have a minimum cure time of 7 days, but may be opened to traffic earlier at the discretion of the Inspector or ENGINEER only after review of compressive strength data. Temporary perpendicular crossings may be made after 72 hours by ramping soil over the new pavement at a depth of not less than 18-inches and a width of not less than 10-feet. Prior to grout wiping any concrete, CONTRACTOR shall demonstrate method of surface preparation to ensure adhesion of arout.
- 5) All street pavement shall be cored to verify proper pavement thickness and strength prior to acceptance. Cores for strength and depth shall be 4-inches diameter and taken at intervals not exceeding 600 feet; cores for depth only shall be 2-inches diameter and shall be taken at intermediate intervals not exceeding 300-feet. Locations will be approved by the Town. Multiple cores may be required at each interval to represent entire cross section. All cores shall be taken at 28 days and results shall be correlated with the cylinder test results. Evaluation of cores will be in accordance with NCTCOG Item 303.8.2. All required pavement replacement shall be in full panel increments.

i. Hot-Mix Asphalt Concrete Pavement Testing

- 1) Specifications shall follow COG Item 302 and conform to the TxDOT Standard for Hot-Mix Asphaltic Concrete.
- 2) The asphaltic mixture shall be tested for oven burn off/gradation and stability.
- 3) A relative density of not less than 92% will be required after final compaction of the in-place pavement section. The CONTRACTOR shall schedule the CMT Laboratory to come out in the field and establish a rolling pattern. The use of nuclear field density determinations shall <u>not</u> be accepted as the basis for acceptance with respect to density. The CONTRACTOR shall be responsible for assuring that the compaction of the asphaltic concrete in place will attain between 5% and 9% (five and nine percent) air voids. The CONTRACTOR's responsibility for the required compaction includes the selection of rolling equipment and selection of rolling patterns to achieve the required compaction.
- 4) HMAC mix temperature range at time of placement shall be between 260 degrees and 325 degrees. The asphaltic mixture shall not be placed when the air temperature is below 50 degrees but may be placed when the air temperature is above 40 degrees and rising, the temperature being taken in the shade and away from artificial heat.
- 5) In-place compaction control is required for all mixtures. Asphaltic concrete should be placed and compacted to contain not more than 9% (nine percent) nor less than 5% (five percent) air void unless otherwise indicated. The percent air voids will be calibrated using the maximum theoretical specific gravity of the mixture determined according to TxDOT Test Method Tex-227-F Roadway Specimen, which shall either be cores or sections of pavement, will be tested according to TxDOT Test Method Tex-207-F. The same specimen shall be used in determining both the theoretical density and field density.
- 6) Prime coat will follow COG Items 302.7 and 302.9.6.1.

CERTIFICATION:

THIS TOWN OF HICKORY

CREEK STANDARD DETAIL

USE IN THIS PROJECT BY

SHEET IS AUTHORIZED FOR

THE ENGINEER WHOSE SEAL

APPEARS ON THIS SHEET.

STANDARD DETAILS SHALL

BE NOTED ON THIS SHEET

AND SHALL COMPLY WITH THE TOWN'S ORDINANCES.

STATE, AND FEDERAL

REGULATIONS.

MODIFICATIONS TO THE

- 7) Tack coat will follow COG Specifications item 302.9.6.2.
- 8) HMAC mix designs shall follow COG Item 302.9.3 and the grading tables included in this section. These mixtures will be in accordance with TXDOT Test Method Tex-204-F, design of Bituminous Mixtures.

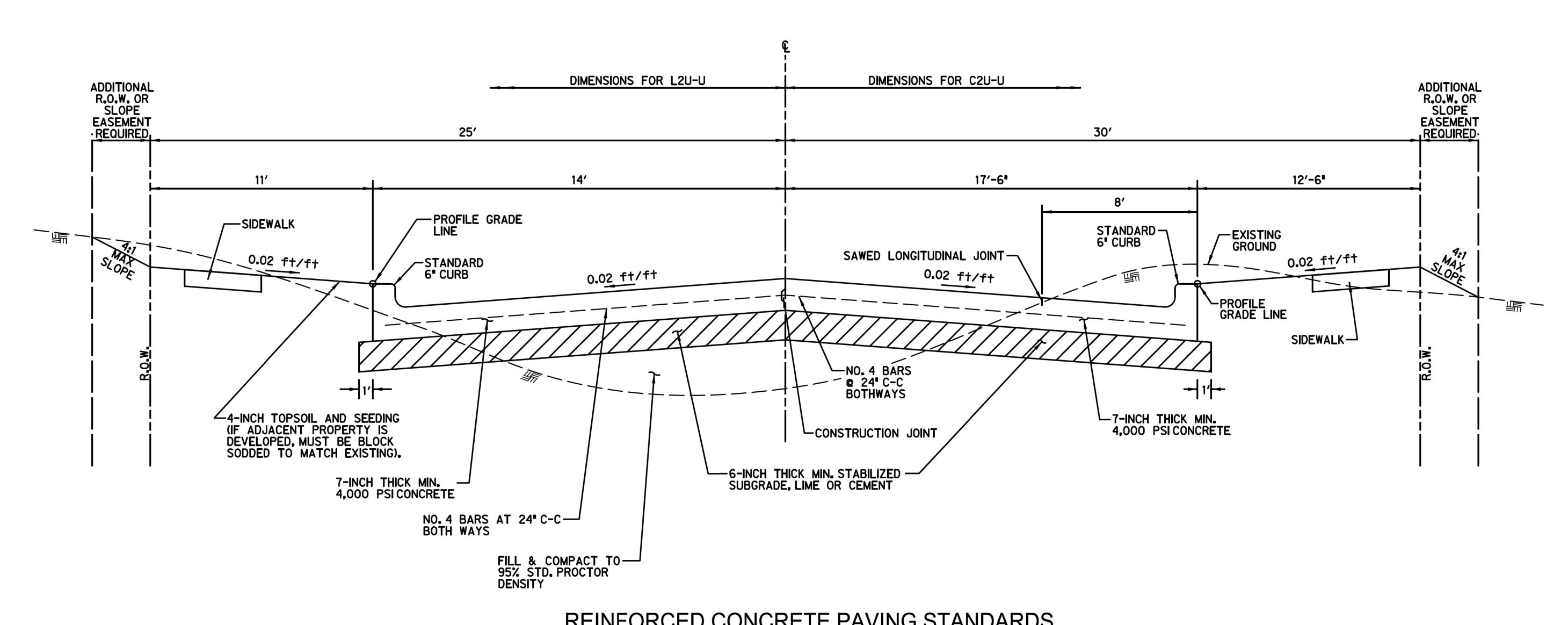
PAVEMENT DETAILS

PAVING GENERAL NOTES



TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

DESIGN DRAWN CHECK DATE SCALE FILE 0CT 2012 HALFF HALFF HALFF N.T.S.



REINFORCED CONCRETE PAVING STANDARDS LOCAL RESIDENTIAL & COLLECTOR STREETS - URBAN L2U-U & C2U-U

N.T.S.

NOTES:
1.L2U-U IS SHOWN ON LEFT
SIDE OF DRAWING AND C2U-U
IS SHOWN ON RIGHT SIDE
OF DRAWING.

2.ALL DIMENSIONS TO CURB ARE SHOWN TO THE BACK OF CURB.

3.SEE SIDEWALK DETAILS FOR SIDEWALK LOCATIONS.

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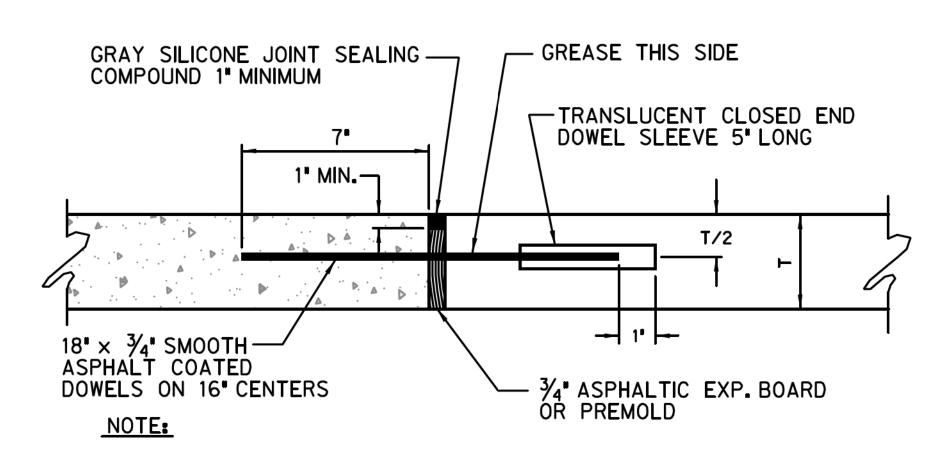
PAVEMENT DETAILS LOCAL RESIDENTIAL & COLLECTOR STREETS - URBAN



TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

DESIGN DRAWN CHECK DATE SCALE FILE NO.

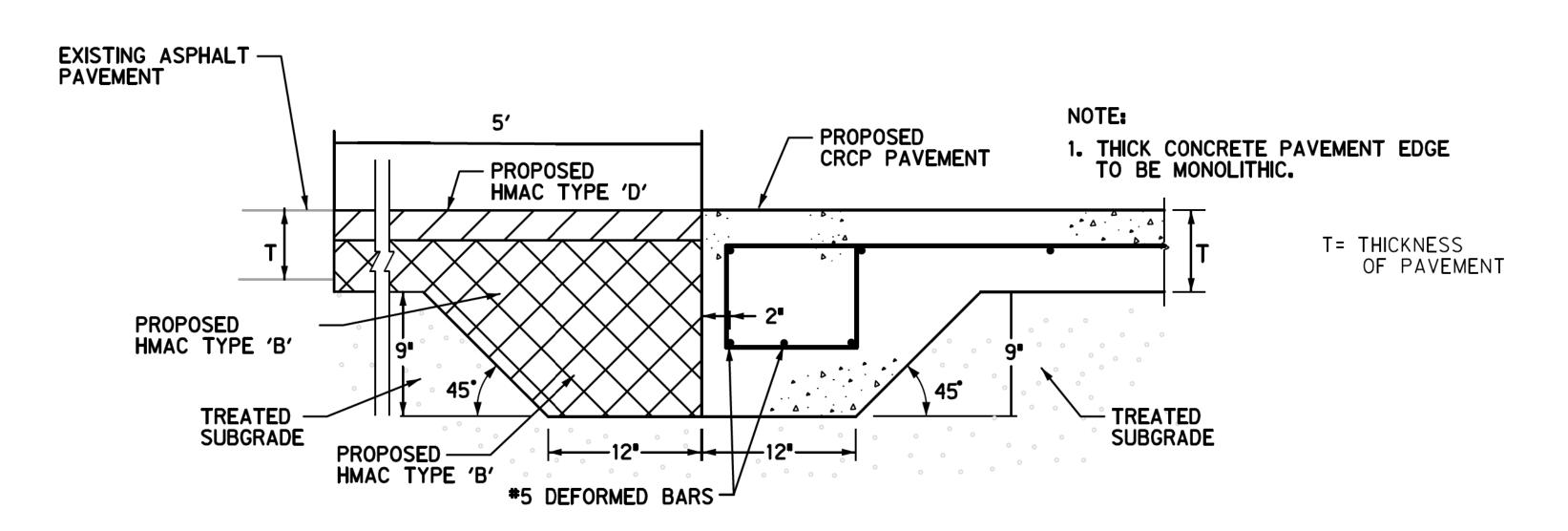
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SLEEVES FOR DOWELS SHALL HAVE AN INSIDE DIAMETER OF 1/16 GREATER THAN THE DIAMETER OF THE DOWELS AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE. EXPANSION JOINTS TO BE CONSTRUCTED A MAXIMUM OF 300' APART ON STRAIGHT PAVING, AND ON ALL PCs, PTs, END OF RETURN OR OTHERWISE SPECIFIED.

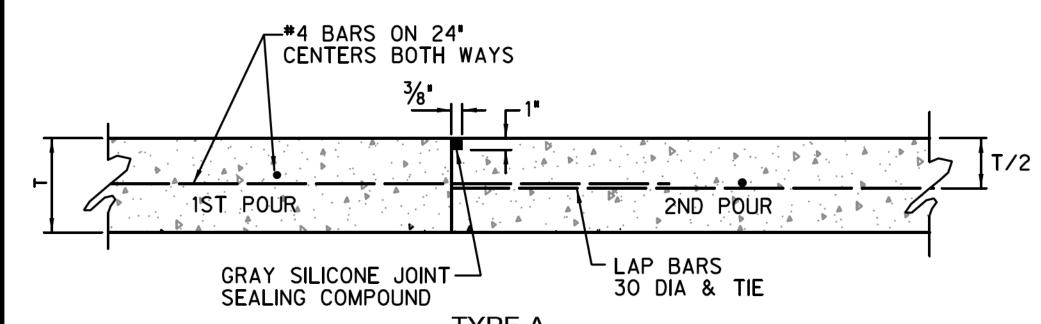
EXPANSION JOINT

NOT TO SCALE



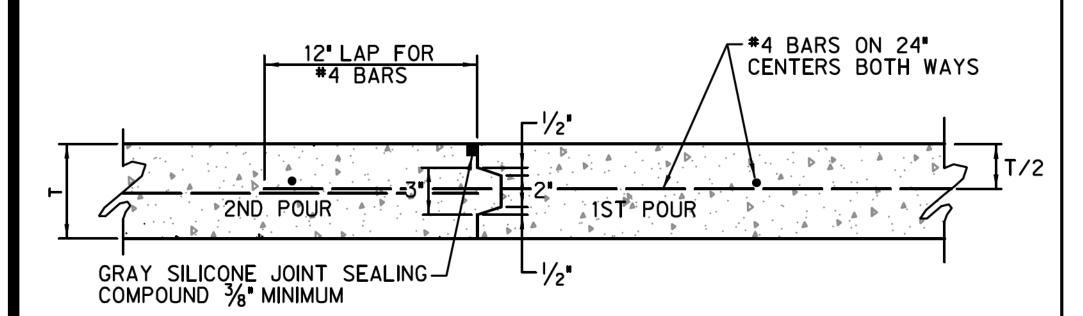
PAVEMENT TERMINUS

NOT TO SCALE



TYPE A

FOR PAVEMENT THICKNESS 6" (OR AS SPECIFIED)

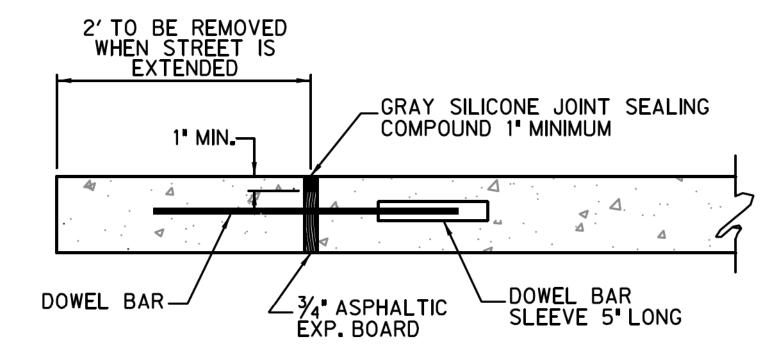


TYPE B

FOR PAVEMENT THICKNESS GREATER THAN 6" (OR AS SPECIFIED)

CONSTRUCTION JOINT

NOT TO SCALE



NOTE: TYPE-A HEADER TO BE USED FOR FUTURE STREET EXTENSION ORWHEN SPECIFIED ON PLANS TO BE USED.

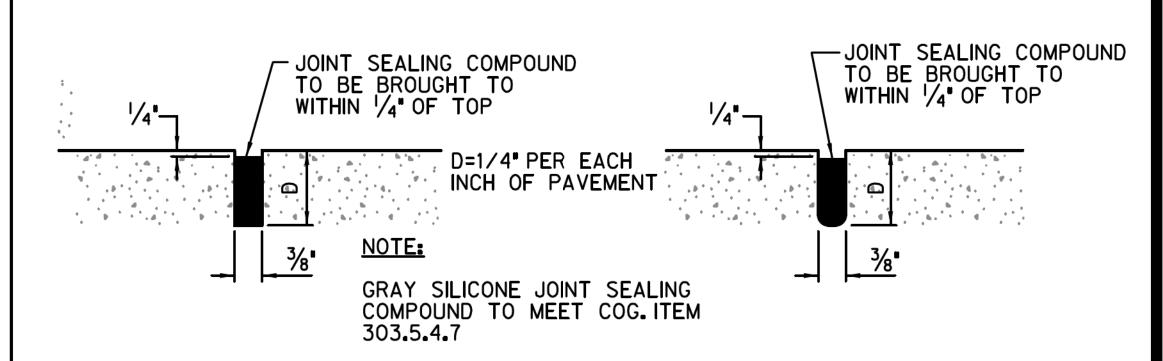
TYPE-B CONCRETE HEADER

NOT TO SCALE

NOTES:

UNLESS TYPE 'A' OR 'B' HEADERS ARE SPECIFIED, WHEN CONSTRUCTING NEW PAVEMENT, THE CONTRACTOR MUST:

- A) EXPOSE THE REINFORCING STEEL FROM THE EXISTING PAVEMENT AND TIE IT TO THE PROPOSED STEEL MAT, OR
- B) DOWEL #3 REINFORCING STEEL BARS INTO THE EXISTING PAVEMENT A MINIMUM OF (6) SIX INCHES AT 24" CENTERS AND HAVE A MINIMUM OF 15" LAP.



SAWED DUMMY JOINT

NOT TO SCALE

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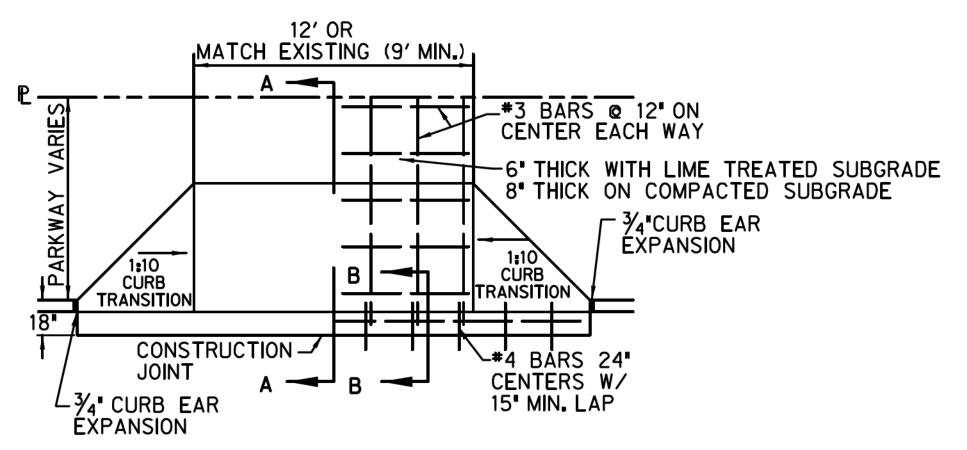
PAVEMENT STANDARD DETAILS

CONSTRUCTION JOINT DETAILS



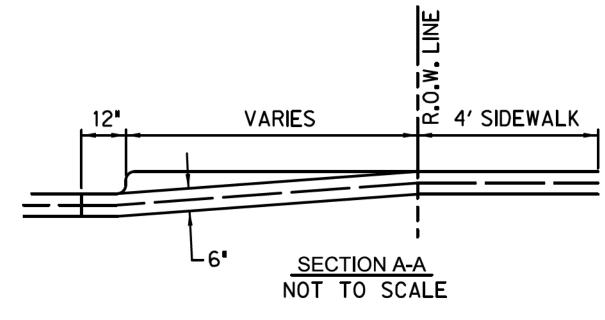
TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

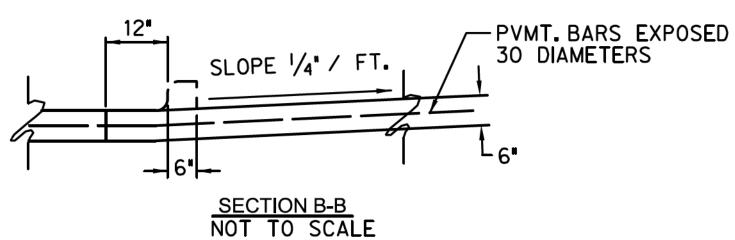
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NOTES:

- 1. DRIVEWAYS SHALL BE 12 FOOT WIDE OR SHALL MATCH EXISTING.(9' WIDE MINIMUM) NEW DRIVES WILL BE CONSTRUCTED TO PROPERTY LINE, IN REPLACING EXISTING DRIVES, THE EXISTING DRIVE WILL BE SAWED AND REMOVED AT A DISTANCE WHICH WILL ASSURE A SMOOTH GRADE, (TO BE SPECIFIED BY THE ENGINEER) AND WILL BE REPLACED TO THAT POINT. GRADE NOT TO EXCEED 1/10 TO THE FOOT RISE.
- 2.FOR DRIVEWAYS BEING INSTALLED TO EXISTING PAVEMENT, SAWCUT CURB AND DOWEL INTO EXISTING PAVEMENT. SEE DOWEL DETAIL ON THIS SHEET.





NOTE:

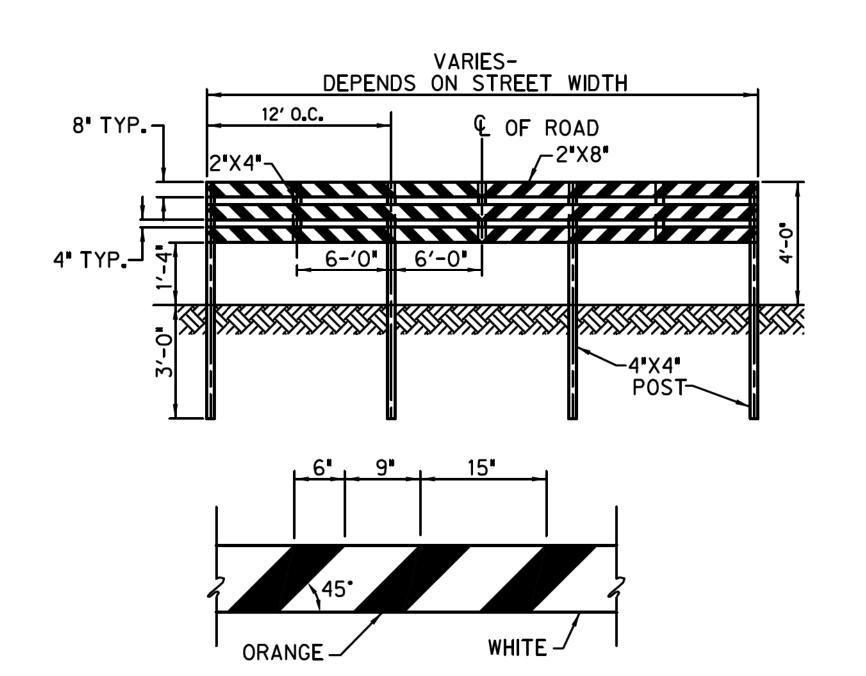
CURB, GUTTER, PAVEMENT, AND VALLEY TO BE POURED MONOLITHIC. THE REINFORCED CONCRETE VALLEY SHALL REPLACE THE CONCRETE PAVING WITH THE SUBGRADE AND BASE TREATMENT REMAINING THE SAME IN ACCORDANCE WITH THE TYPICAL PAVING SECTION. THE CONCRETE VALLEY WILL BE CONSTRUCTED ACCORDING TO THE TOWN OF HICKORY CREEK PAVING STANDARDS.

DRIVEWAY DETAIL

END OF ROAD BARRICADE DETAIL

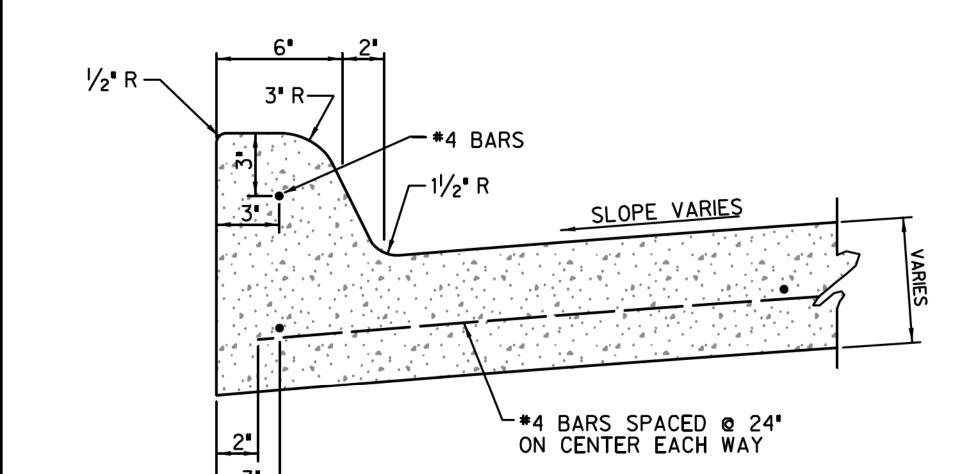
NOT TO SCALE

NOT TO SCALE



NOTES:

- 1. REFLECTIVE SHEETING FOR ALL TRAFFIC CONTROL DEVICES SHALL BE OF HIGH SPECIFIC INTENSITY (TYPE IIIA OR IIIB). ALL CHANNELIZATION DEVICES SHALL USE TYPE IIIA REBOUNDABLE SHEETING.
- 2. ATTACH 2"X 8" BOARDS TO 4"X 4" POST WITH LAG BOLTS.
- 3. ATTACH 2"X 4" BRACES TO 2"X 8" BOARDS WITH 10d-NAILS.
- 4. BARRICADE TO BE FULL WIDTH OF STREET BACK OF CURB TO BACK OF CURB.
- 5. IF BARRICADE IS USED TO DENOTE END OF ROADWAY, DIAGONAL STRIPES USED SHALL BE RED AND WHITE.



DOWEL DETAIL

NOT TO SCALE

-SAWCUT & REMOVE

-GRAY SILICONE JOINT SEALING

-PROPOSED DRIVEWAY

3/4" ASPHALTIC EXP. BOARD OR PREMOLD

PAVEMENT

COMPOUND 1" MINIMUM

-NO. 5 SMOOTH DOWEL

-SAWCUT LINE

@ 18" C-C

EX. CURB

6" MONOLITHIC CONCRETE CURB

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EXISTING PAVEMENT —

DOWEL SLEEVE 5" LONG

TRANSLUCENT CLOSED END —

DRIVEWAYS, CURBS, AND
MISCELLANEOUS PAVEMENT DETAILS



TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

DESIGN DRAWN CHECK DATE SCALE FILE NO.

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SIDEWALK AND HANDICAP / CURB RAMP NOTES:

GENERAL REQUIREMENTS:

REQUIREMENTS AND SPECIFICATIONS OF THE TEXAS ACCESSABILITY STANDARDS AND THE AMERICAN DISABILITIES ACT.

ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL DRAIN PROPOERLY SHOULD BE USED. ADJUST CURB RAMP LENTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.

SIDEWALK WIDTH:

THE MINIMUM WIDTH OF ALL SIDEWALKS SHALL BE 4 FEET, ALONG FRONTAGE WITH RESIDENTIAL PROPERTIES AND 5 FEET ALONG COMMERCIAL FRONTAGE, AND TO BE CONSTRUCTED AS PER FIGURE 1: "SIDEWALK LOCATION DETAIL" ON THIS SHEET & SHEET 2 OF 3.

A 5'X5' LANDING SHALL BE REQUIRED EVERY 200 FEET FOR SIDEWALKS LESS THAN 5' IN WIDTH.

MINIMUM 6-FOOT SIDEWALK IS REQUIRED ADJACENT TO THE CURB, WITH THE APPROVAL OF THE TRAFFIC ENGINEER.

CURB RAMP LOCATION:

CURB RAMPS UNDER THESE PROVISIONS, SHALL BE WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.

SLOPE:

MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.

SLOPES ON CURB RAMPS SHALL BE AS FOLLOWS:

- A. THE SLOPE SHALL BE MEASURED AS SHOWN IN FIGURE 3.
- B. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- C. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:50
- D. THE LEAST POSSIBLE SLOPE SHALL BE USED FOR ANY RAMP. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12. THE MAXIMUM RISE FOR ANY RUN SHALL BE 30-INCHES. ANY RUN LONGER THAT 6' AT 1:12 WILL REQUIRE RAILING. CURB RAMPS AND RAMPS TO BE CONSTRUCTED ON EXISTING SITES OR IN EXISTING BUILDINGS OR FACILITIES MAY HAVE SLOPES AND RISES IF SPACE LIMITATIONS PROHIBIT THE USE OF A 1:12 SLOPE OR LESS, AS FOLLOWS:
 -) A SLOPE BETWEEN 1:10 AND 1:12 IS ALLOWED FOR A MAXIMUM RISE OF 6-INCHES.
 - 2.) A SLOPE BETWEEN 1:8 AND 1:10 IS ALLOWED FOR A MAXIMUM OF 3-INCHES A SLOPE STEEPER THAN 1:8 IS NOT ALLOWED.
- E. LANDINGS SHALL BE 5'X 5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION
- F. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE MINIMUM OF 4'X4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.

RAMP WIDTH:

THE MINIMUM WIDTH OF A CURB RAMP SHALL BE 36 INCHES EXCLUSIVE OF FLARED SIDES.

SURFACE

SURFACES OF CURB RAMPS, ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

SIDES OF CURB RAMPS:

IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, OR WHERE IT IS NOT PROTECTED BY HANDRAILS OR GUARDRAILS, IT SHALL HAVE FLARED SIDES.

THE MAXIMUM SLOPE OF THE FLARE SHALL BE 1:10 (SEE FIGURE 4 (A)) CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT WALK ACROSS THE RAMP (SEE FIGURE 4 (B)) PROVIDE 1/8-INCH TOOLED 1/4-INCH TO 3/4-INCH WIDE GROOVES AT 2-INCH CENTERS.

BUILT-UP RAMPS:

BUILT-UP CURB RAMPS SHALL BE LOCATED SO THEY DO NO PROJECT INTO VEHICULAR TRAFFICE LANES. PROVIDE 1/8-INCH TOOLED 1/4-INCH TO 3/4-INCH WIDE GROOVES AT 2-INCH CENTERS.

OBSTRUCTIONS:

CURB RAMPS SHALL BE LOCATED OR PROTECTED TO PREVENT THEIR OBSTRUCTION BY PARKED VEHICLES.

LOCATION AT MARKED CROSSINGS:

CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES (SEE FIGURE 2).

DIAGONAL CURB RAMPS:

IF DIAGONAL (OR CORNER TYPE) CURB RAMPS HAVE RETURNED CURBS OR OTHER WELL DEFINED EDGES, SUCH EDGES SHALL BE PARALLEL TO THE DIRECTION OF PEDESTIRAN FLOW. THE BOTTOM OF THE DIAGONAL CURB RAMPS SHALL HAVE 48-INCHES MINIMUM. IF DIAGONAL CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS. THE 48-INCH CLEAR SPACE SHALL BE WITHIN THE MARKINGS (SEE FIGURE 2 (C) AND (D)). IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL ALSO HAVE AT LEAST A 24-INCH LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMPS AND WITHIN THE MARKED CROSSING (SEE FIGURE 2 (C)) ISLANDS.

ANY RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 48-INCHES LONG BETWEEN THE CURB RAMPS IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS (SEE FIGURE 2 (A) AND (B)).

JOINTING:

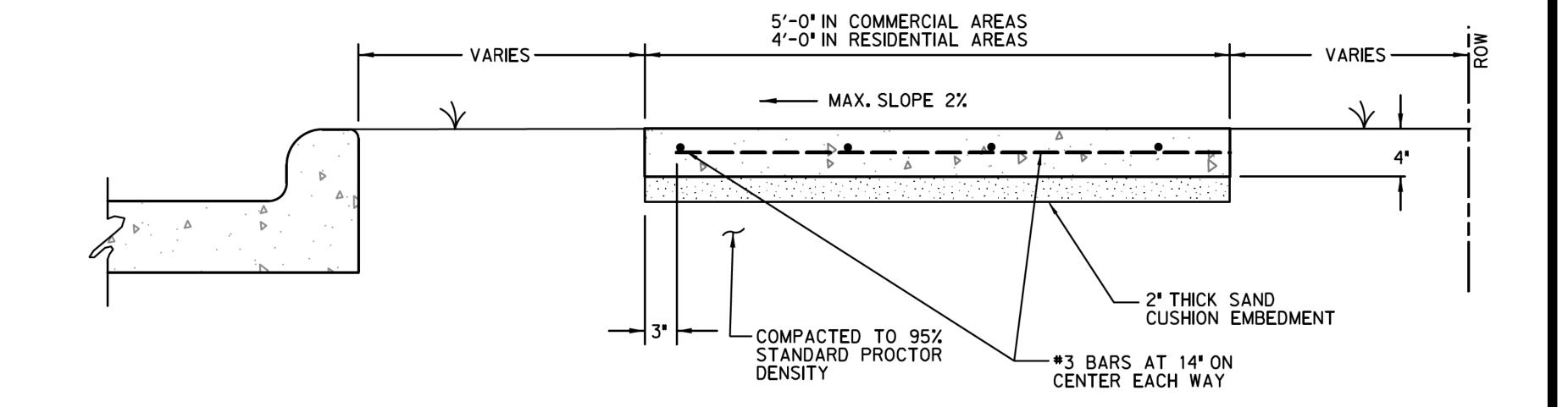
SEPARATE CURB RAMP AND LANDINGS FROM ADJACENT SIDEWALK AND ANY OTHER ELEMENTS WITH PREMOLD OR BOARD JOINT OF 3/4" UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

CONSTRUCTION:

- THE CONTRACTOR SHALL SAWCUT, REMOVE AND DISPOSE OFF-SITE THE REQUIRED EXISTING CONCRETE SIDEWALK, AND CURB AND GUTTER, TO CONSTRUCT THE PROPOSED RAMPS.
- B. CONCRETE SIDEWALKS AND RAMPS SHALL BE MINIMUM 4-INCH THICK, 3,600 PSI, 5 SACK CONCRETE, REINFORCED WITH #3 BARS AT 14-INCH CENTERS BOTHWAYS, PLACED OVER A 2-INCH THICK SAND CUSHION EMBEDMENT.
- C. THE CONTRACTOR SHALL USE 1-INCH PREMOLDED EXPANSION JOINT MATERIAL BETWEEN THE PROPOSED SIDEWALKS AND RAMPS AT THE BACK OF CURBS, AND AT JOINTS AT NO EXTRA PAY.
- D. DUMMY JOINT REQUIRED EVERY 4-FEET IN 4-FOOT WIDE SIDEWALKS AND EVERY 5-FEET IN 6-FOOT WIDE SIDEWALK.

PAYMENT:

CURB RAMPS AND LANDINGS SHALL BE CONSTRUCTED AND PAID FOR IN ACCORDANCE WITH NCTCOG ITEM 305.2.



(A) OPTION 1 SIDEWALK LOCATION DETAIL N.T.S.

FIGURE 1

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SIDEWALK DETAILS (SHEET 1 OF 3)

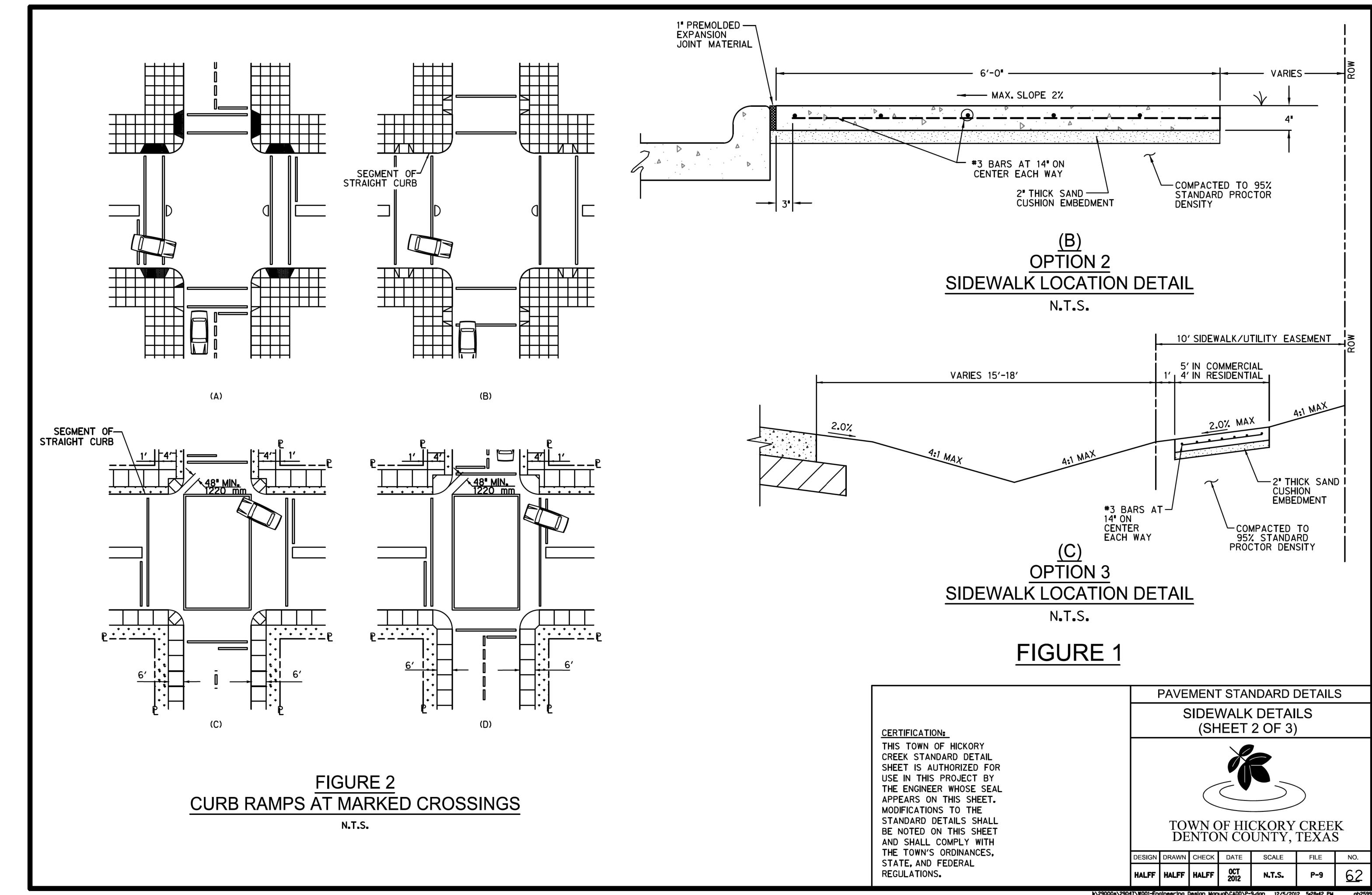


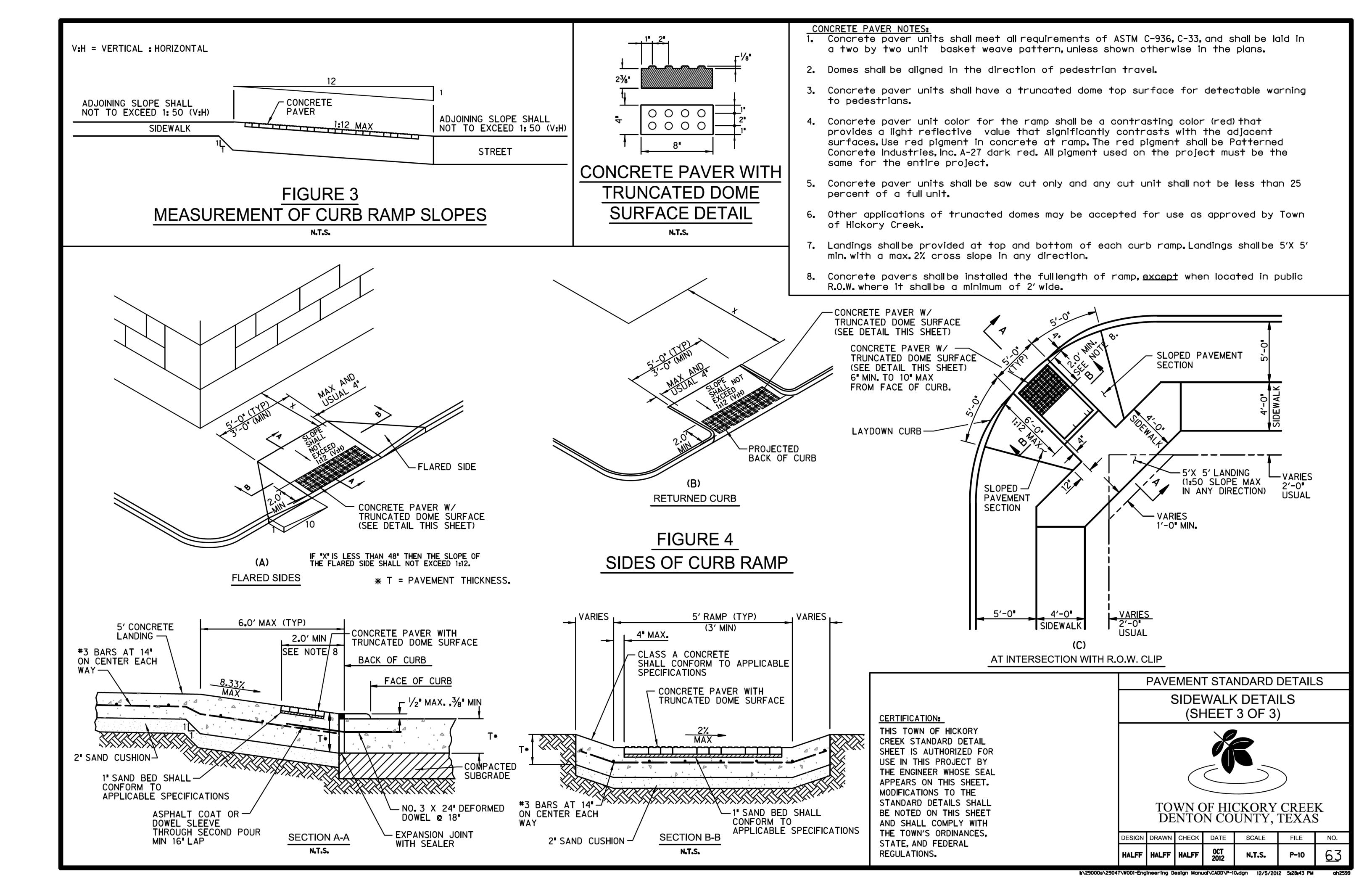
PAVEMENT STANDARD DETAILS

TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

 DESIGN
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 N.T.S.
 P-8
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STORM DRAIN GENERAL NOTES

- 1. All construction shall be in accordance with the standard specifications of the Town of Hickory Creek and the Fourth Edition of the "Standard Specifications for Public Works Construction North government Texas" herein referred to as "COG" specifications. Copies may be obtained from the North Central Texas Council of Governments, 616 Six Flags Drive, Suite 200, Arlington, Texas 76005-5888. (817) 640-3300.
- 2. Storm drain lines shall be installed per COG Item 508 specifications.
- 3. Only Reinforced Concrete Pipe (RCP) or Reinforced Concrete Box (RCB) is approved for use in public right-of-way or easements.
- 4. For pipes, embedment shall be per the Street Backfill & Repair detail on the Backfill / Embedment Standard Detail. For box culverts, embedment shall be per the Box Culvert Embedment detail on the Backfill / Embedment Standard Detail.

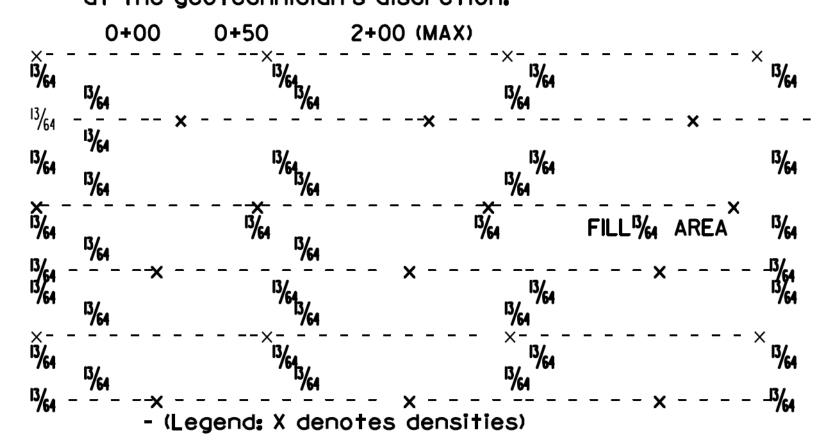
Note that flowable backfill is only required below areas to be paved.

- 5. The CONTRACTOR shall seal all joints on closed conduits with Omni-Flex joint seals, or equal; unless approved otherwise by the Town.
- 6. All concrete to be used in pre-cast products for reinforced concrete pipes or boxes shall come from plants certified by the National Pre-cast Concrete Association.
- 7. The CONTRACTOR shall use only pre-fabricated fittings on new construction projects. Field connections shall be made only to existing pipe with Town approval. The connection shall be a smooth connection and concrete wrapped on the outside and inside.
- 8. Concrete collars shall be constructed per the Concrete Collar Details on the Headwalls & Pipe Collars Standard Detail at all storm drain size and at grade changes or in curves where the joint is being pulled more than recommended by the manufacturer. Please refer to the details on the Headwalls & Pipe Collars Standard Detail and COG Item 508.3.4.1 specifications.
- 9. All inlets shall be poured in place. Precast inlets, junction boxes, manholes, and headwalls are not allowed without prior approval from Town Engineer.
- 10. Bottoms, tops, and variable height curb to be separate pours (3 pours) for curb inlets.
- 11. Curb inlet bottoms shall be poured prior to any paving.
- 12. Ring and cover on curb inlets to be located directly over the outlet pipe.
- 13. Concrete shall be made with a minimum of 5 sacks of cement and have a minimum compressive strength of 3,600 PSI at 28 days.
- 14. All reinforcing steel shall be new, neat, billet-steel per ASTM designation A-615, Grade 60, and shall be detailed and placed for ACI Manuals SP-88 and 318, latest additions. All reinforcing steel shall have minimum 15 inch lap splices, unless noted otherwise on the plans.
- 15. The CONTRACTOR shall use a liquid membrane-forming curing compound per COG Item 303.2.13.1.1.
- 16. All exposed surfaces shall have 3/4 -inch chamfer.
- 17. All closed conduits shall be Television Inspected.
- 18. The CONTRACTOR shall be responsible for notifying the Town Inspector at least 24 hours prior to any required testing.
 - a. Soil and material testing technicians shall provide written proof of having minimum of two (2) years of related field experience.
 - The CONTRACTOR shall coordinate all testing activities with the Town Inspector and shall facilitate required testing throughout the construction period. The Inspector shall be present during all testing.
 - c. The Town shall make final decision as to the validity of all testing results.
 - d. The CONTRACTOR shall be responsible for ensuring that materials to be tested are in compliance with all plans and specifications prior to testing. All materials found not to be in compliance with the plans and specifications before and after testing shall be removed and replaced at the CONTRACTOR'S expense.
 - e. All costs associated with the retesting of work that fails to meet the specifications required in the contract documents shall be borne by the CONTRACTOR. For Town projects, retesting cost shall be withheld from pay requests submitted by the CONTRACTOR, this cost will be based on the Town's cost with no additional mark-up. A letter of acceptance will not be issued until all testing deficiencies are addressed and all related cost paid.

- f. The Town Inspector shall be notified of concrete placement 24 hours in advance for steel and form inspection.
- g. One set of four cylinders (2-7 day, 2-28 day) for cast-in-place concrete shall be made for every day that concrete is placed (ASTM C-31). Air, slump, and temperature tests shall be taken for every set of cylinders made. Concrete with a temperature above 95 degrees will be rejected. Additional cylinders and or tests may be requested at the Inspector or ENGINEER's discretion. Exterior forms shall not be removed for a minimum of 24 hours unless approved by Inspector or ENGINEER. Sulfate resistant concrete shall be used for all manholes.

h. Backfill and Density Testing

- 1) All trenches shall be backfilled in accordance with standard details and mechanically compacted with approved vibratory methods in accordance with COG Item 504.5.3.2.1 and paragraph 3) below unless otherwise stated on the plans or in the specifications.
- Densities shall conform to standard trench details, COG Item 504.5.3.2.1, and Paragraph 3) below unless otherwise stated on the plans or in the specifications. Proctor samples shall be taken for all classifications of soil on site. Atterberg Limits shall be determined on all Proctor samples. No 'potholing' will be allowed. Densities shall be taken on all storm drain laterals within the Right-of-Way and shall conform to Paragraph 3) below and COG Item 504.5.3.2.1, unless otherwise stated on the plans or in the specifications. Backfill adjacent to all structures shall be compacted manually and density tested on every lift.
- 3) Mechanical Tamping of Backfill
 - a) All ditch lines and bore pits shall be mechanically tamped.
 - b) Backfill, other than select fill, may consist of onsite or offsite inorganic soils and should be placed in loose lifts 6-inches 8-inches in thickness (not to exceed 12-inches) and should be mechanically compacted to 98 percent of the maximum dry density as defined by ASTM D-698 (Standard Proctor) procedures under existing and proposed pavement, and to 95 percent standard proctor procedures elsewhere. The moisture content of the fill at the time of compaction shall be between minus 2% of optimum to four percentage points above the proctor optimum value.
 - c) All backfill material to be select native material, 6" diameter clods and smaller, unless directed otherwise on the plans or in the specifications and to be mechanically tamped and density controlled as described in Paragraph b) above.
 - d) Water jetting is not permitted.
 - e) Densities shall be taken every one (1) lift at staggered locations not to exceed 200 feet increments. Offset fifty (50') feet every other lift.
 - f) Densities may be taken at typical locations as shown below; also, densities will be taken at random locations and at the geotechnician's discretion.



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STATE, AND FEDERAL
REGULATIONS.

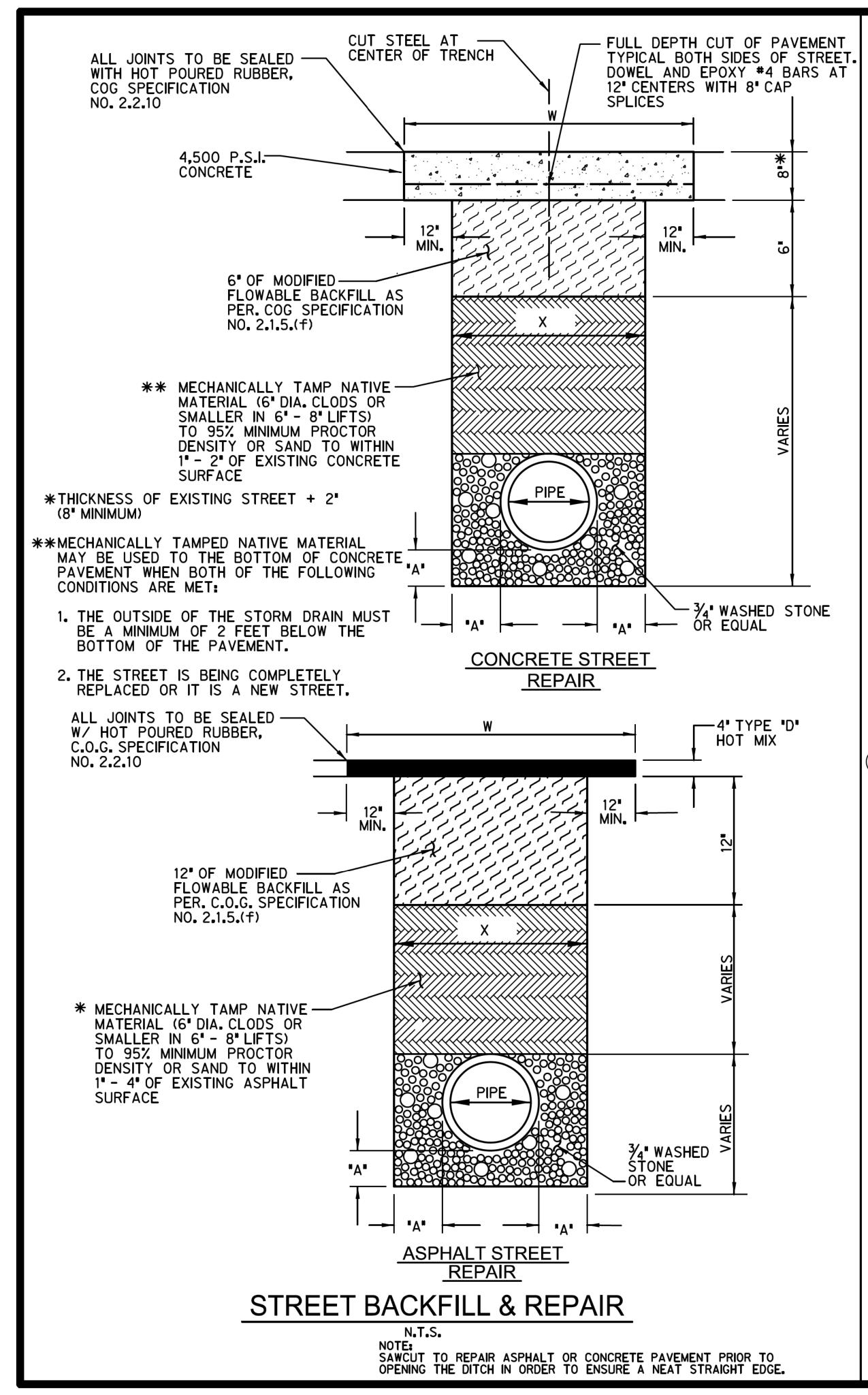
STORM DRAIN STANDARD DETAILS

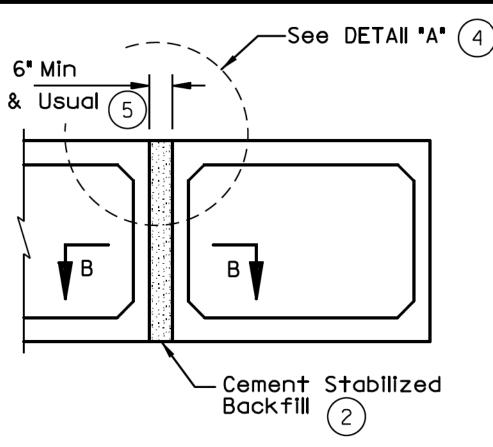
ISTORM DRAIN GENERAL NOTES



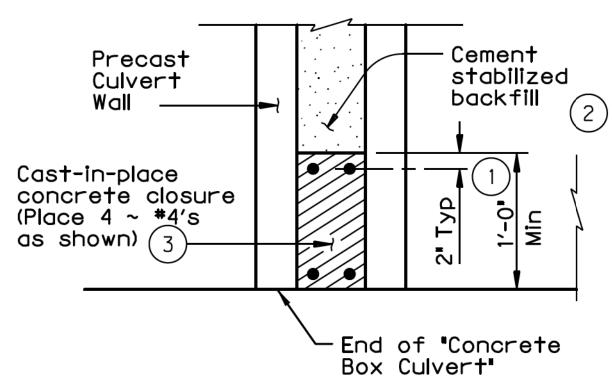
DESIGN DRAWN CHECK DATE SCALE FILE NO.

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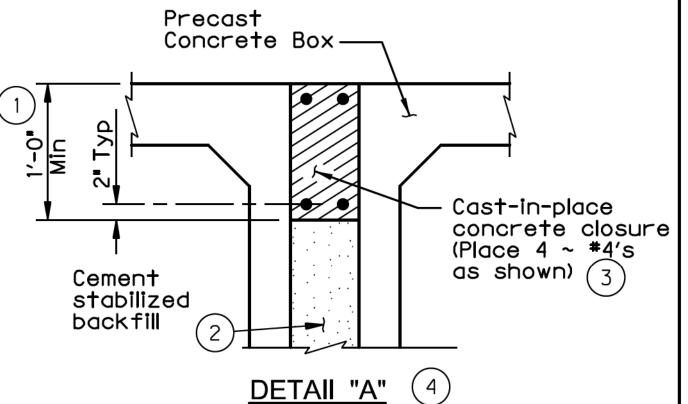




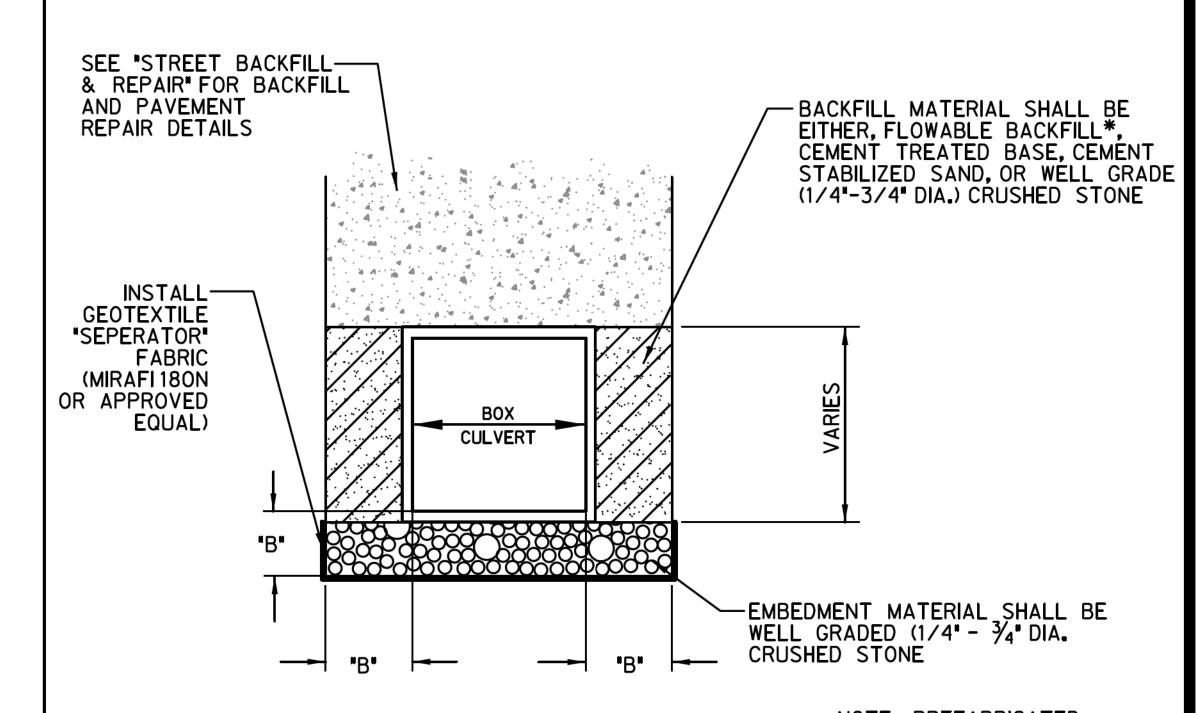
MULTIPLE UNIT PLACEMENT



SECTION B-B



- For multiple unit placements the length of the closure for the interior walls may be adjusted as necessary. The length of the top slab, bottom slab, and exterior wall closure shall not be less than 3'-0". See Section B-B detail when interior walls are cast full length.
- Cement Stabilized Backfill between boxes is considered part of the Box Culvert for payment.
- 3 Any additional concrete and reinforcing required for the closures shall be considered as subsidiary to the Concrete Box Culvert.
- For multiple unit placement with the top slab as the final riding surface, provide wall closure as shown in DETAII "A".
- This dimension may be increased with approval of the Engineer to allow the precast boxes to be tunneled orjacked. No payment will be made for any additional material in the gap between adjacent boxes.



BOX CULVERT EMBEDMENT

"B"=7" MINIMUM

NOTE: PREFABRICATED MULTIPLE BOX CULVERTS SHALL CONFORM TO ASTM C789 UNLESS OTHERWISE NOTED.

*FLOWABLE BACKFILL IS ONLY REQUIRED FOR AREAS TO BE PAVED.

NORMAL	O.D. OF PIPE	MINIMUM			WIDTH OF PVMT. REPLACEMENT *	
SIZE OF PIPE IN INCHES	BELL IN INCHES CLASS III R.C.P.	TRENCH WALL CLEARANCE "A" IN INCHES	MAXIMUM ** IN INCHES	MINIMUM ** IN INCHES	('W') CONC. & ASPHALT **	
18	22.5	6	48	36	60	
24	29.0	6	48	42	60	
30	35.5	6	52	48	72	
36	42.5	6	61	55	72	
42	49.75	6	68	62	86	
48	56.5	8	75	69	93	
54	63.25	8	82	76	100	
60	70.5	8	89	83	107	
66	77.5	8	96	90	114	
72	84.5	8	103	97	121	
72+	VARIES	8	*	*	*	

NOTE: * REFER TO THE PLANS FOR SPECIFIED WIDTH OF REPLACEMENT.
** RECOMMENDED WIDTHS - VARIES BASED ON DEPTH. AND SOIL MATERIAL.

TABLE OF DIMENSIONS FOR WIDTH OF TRENCH AND PAVEMENT REPLACEMENT

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STORM DRAIN STANDARD DETAILS

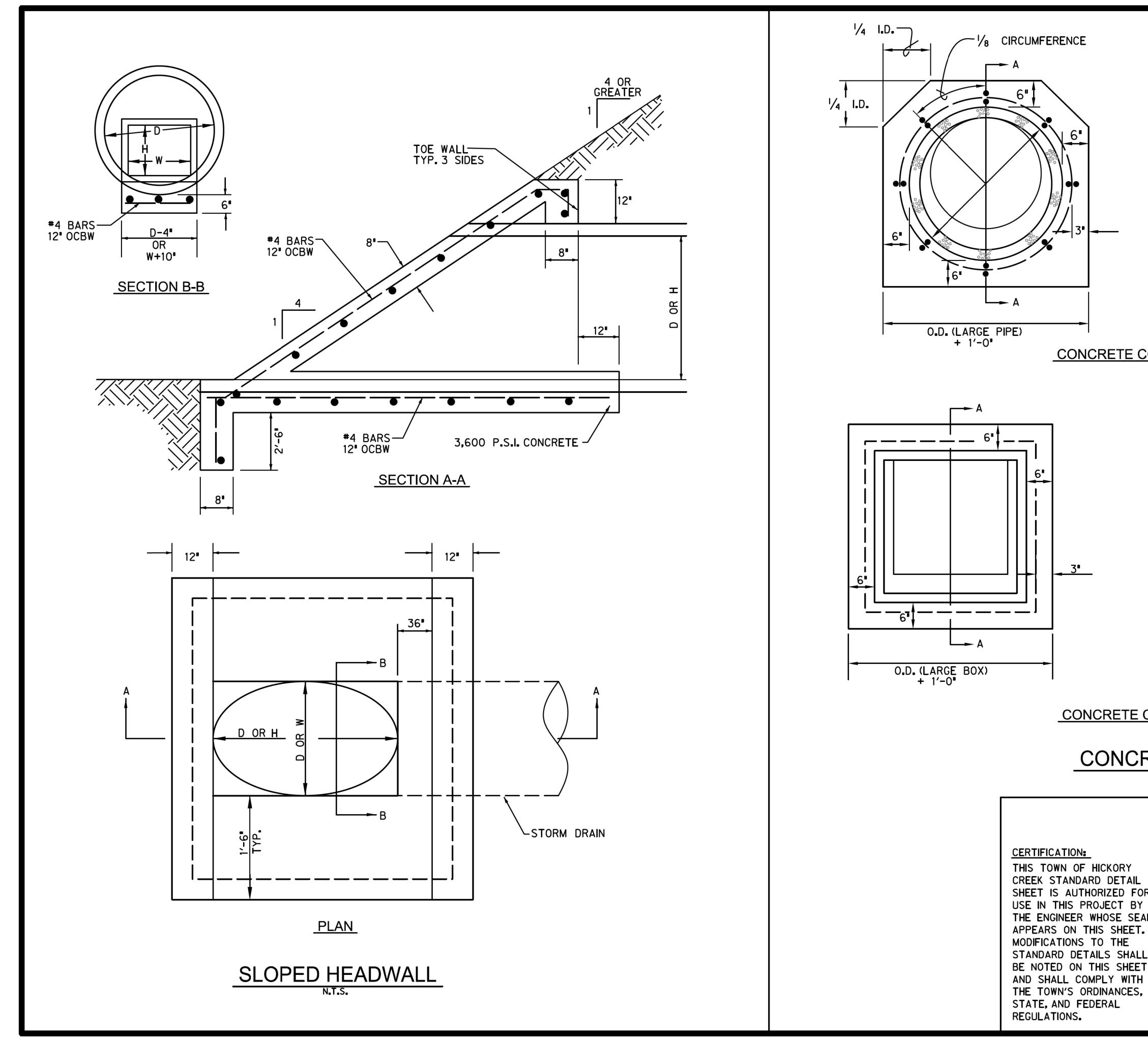
BACKFILL / EMBEDMENT

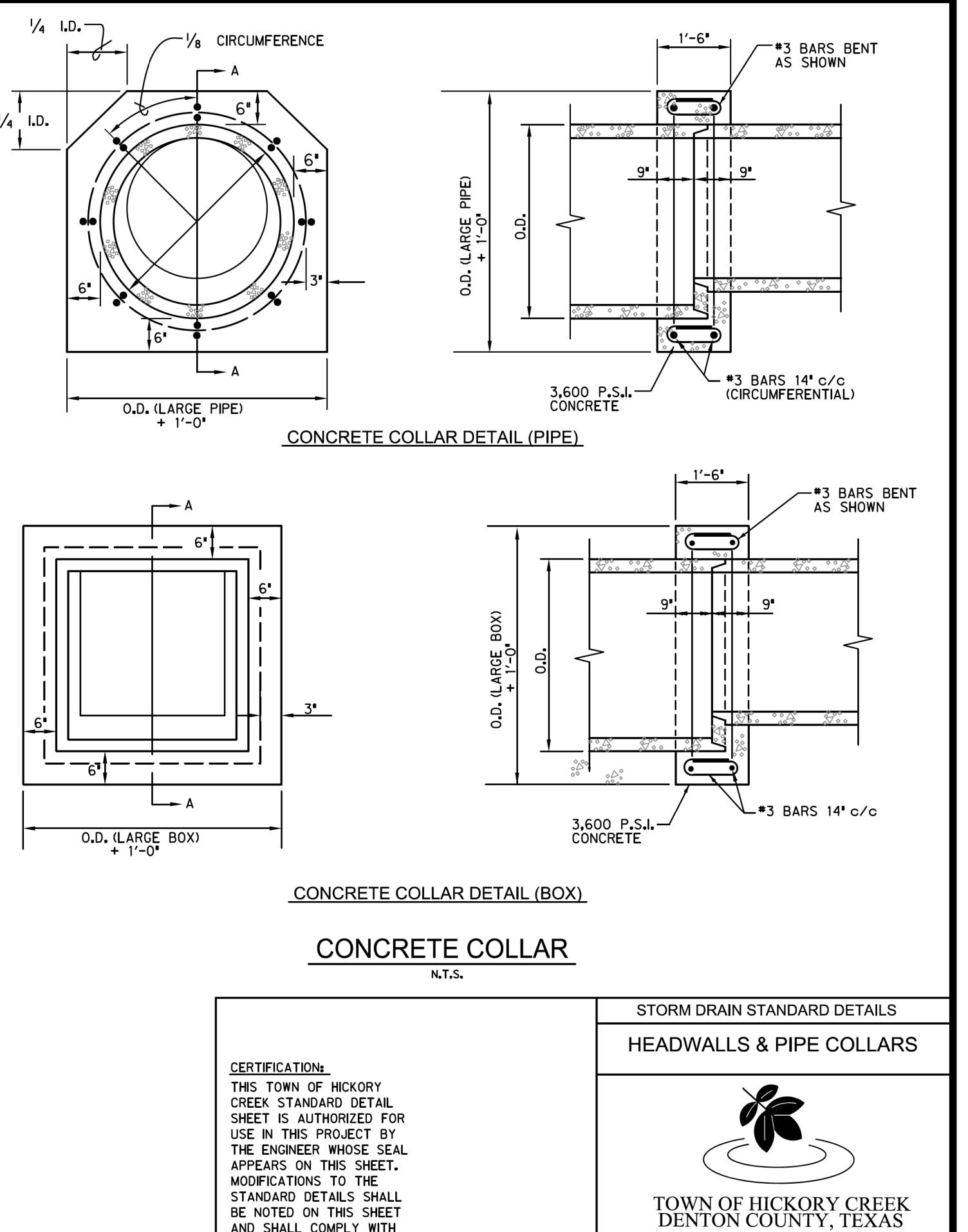


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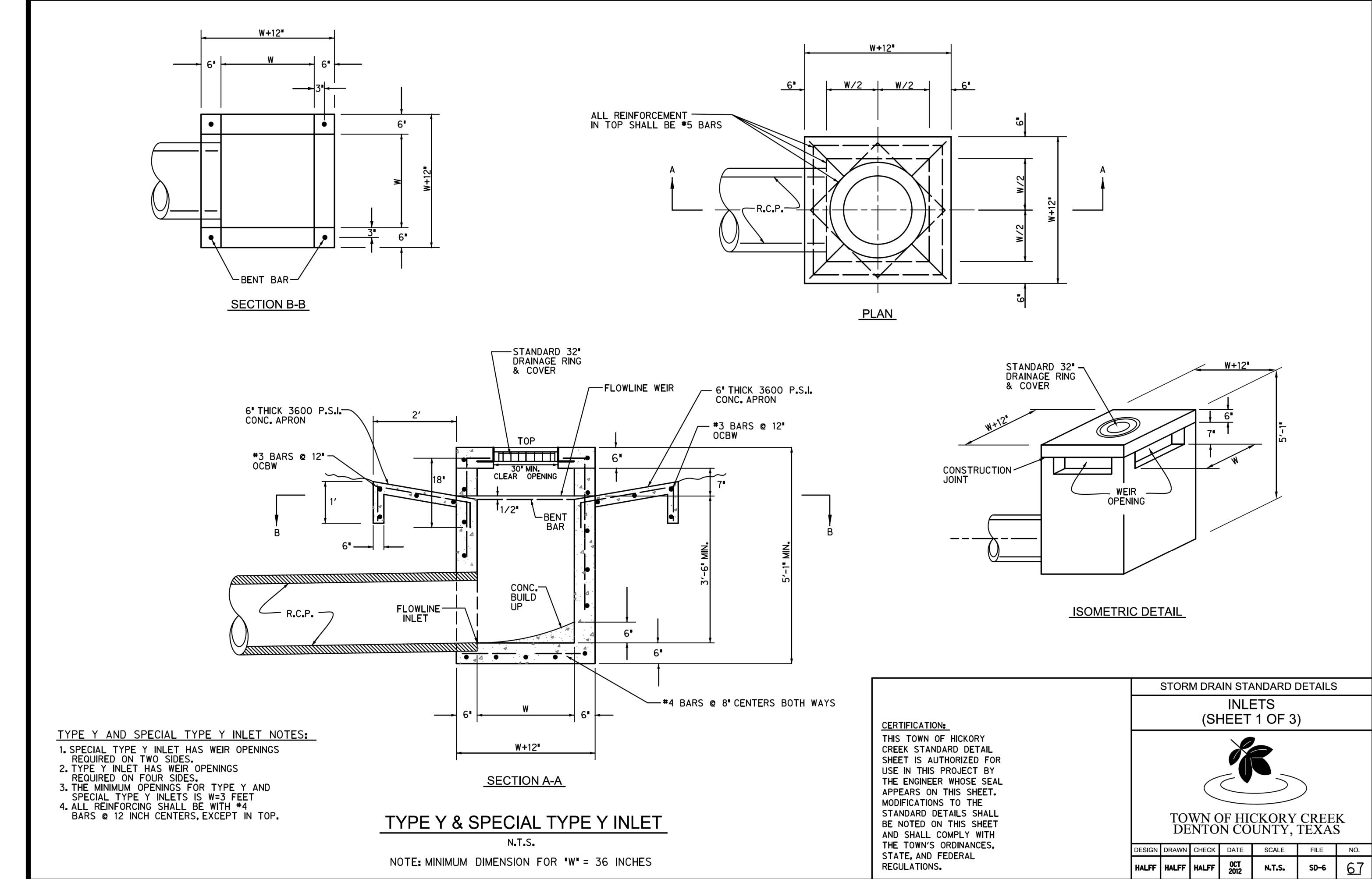


N.T.S.

SD-3

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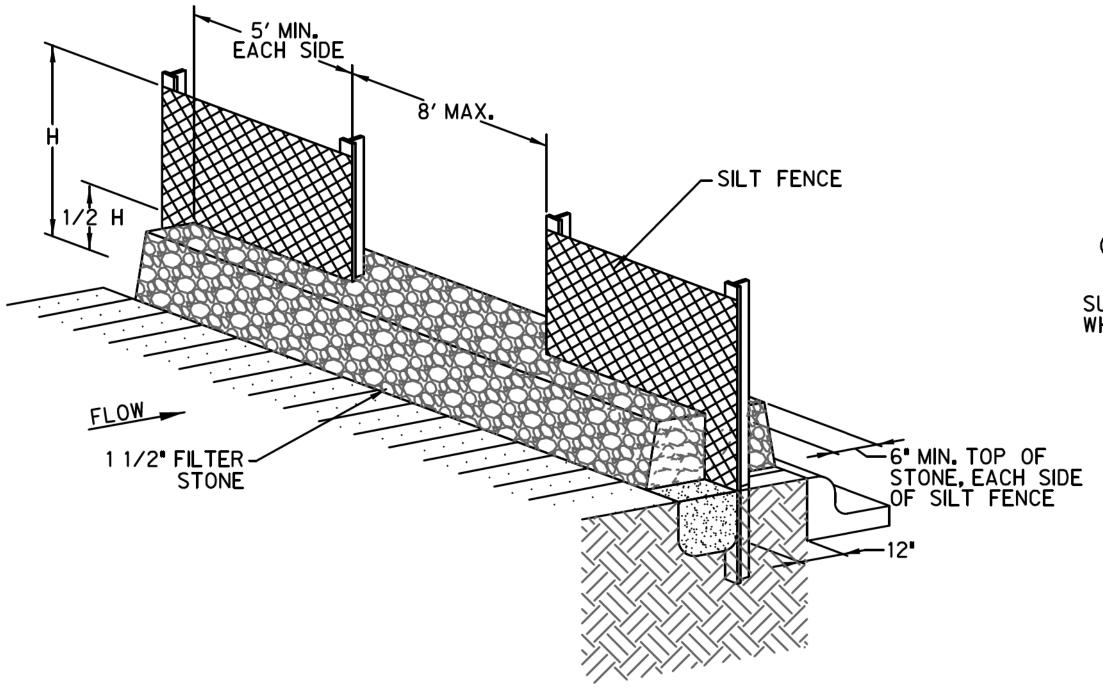
DESIGN DRAWN CHECK



SILT FENCE GENERAL NOTES

- (1) STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- (2) THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- (3) THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- (4) SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- (5) INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH /2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEFDED.
- (6) SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- (7) ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

STONE OVERFLOW STRUCTURES OF OTHER OUTLET CONTROL DEVICES
SHALL BE INSTALLED AT ALL LOW POINTS ALONG THE FENCE OR EVERY 300
FEET IF THERE IS NO APPARENT LOW POINT

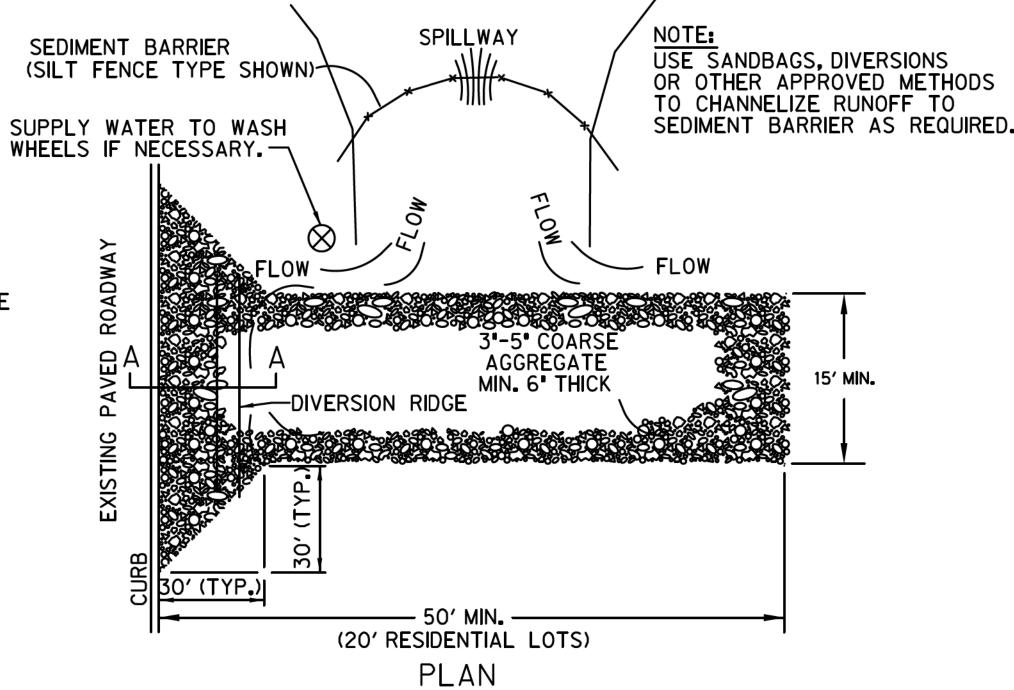


SILT FENCE
STONE OVERFLOW STRUCTURE
N.T.S.

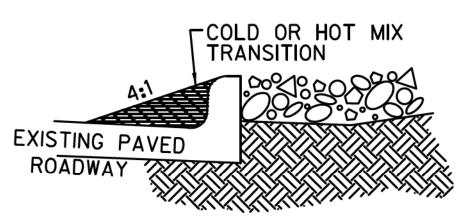
DIVERSION RIDGE REQUIRED WHERE GRADE EXCEEDS 2%



SECTION A - A



WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MAT MUST BE WASHED DOWN OR REPLACED. PERIODIC RE-GRADING AND TOP DRESSING WITH ADDITIONAL STONE MUST BE DONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING.



TRANSITION

TEMPORARY STONE CONSTRUCTION
ENTRANCE/EXIT
N.T.S.

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EROSION CONTROL

EROSION CONTROL DETAILS

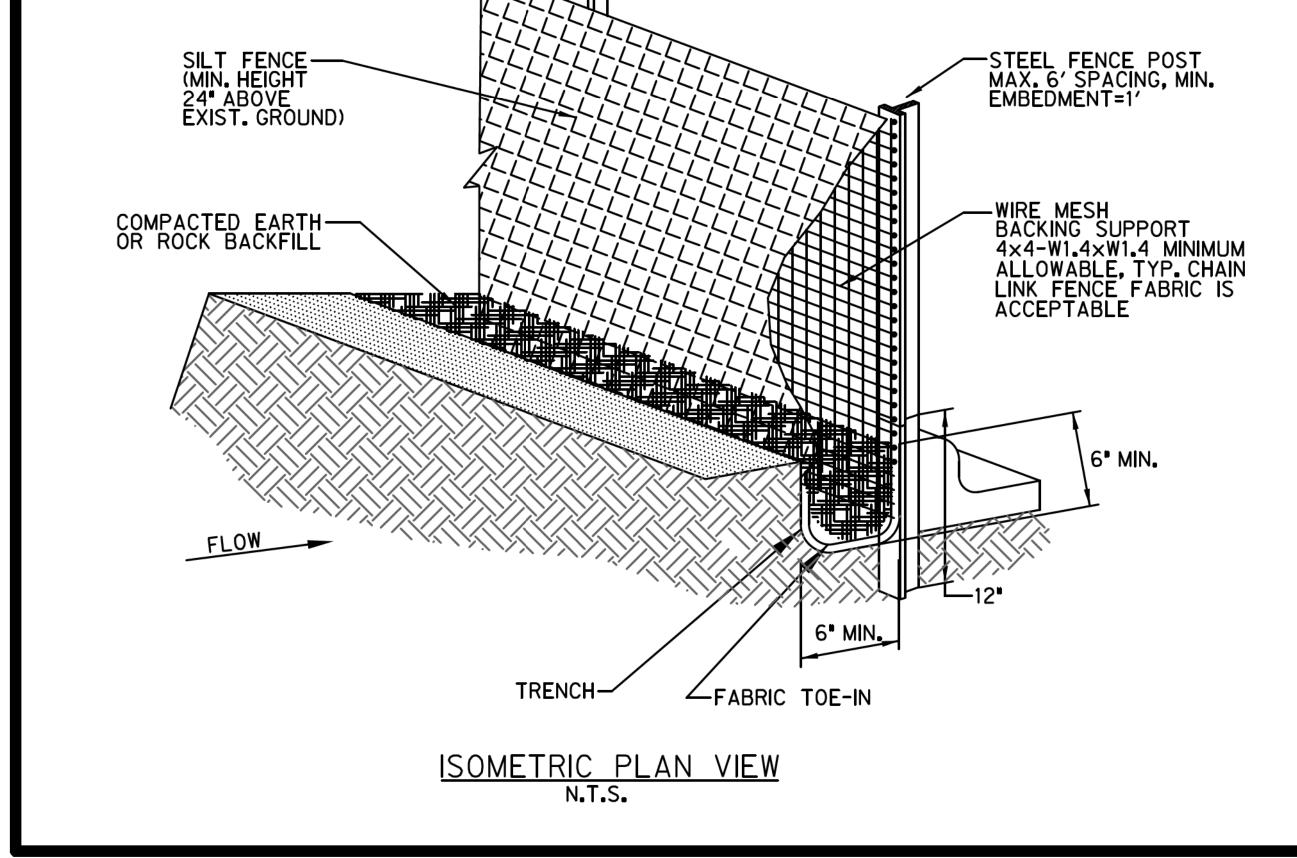
(SHEET 1 OF 2)

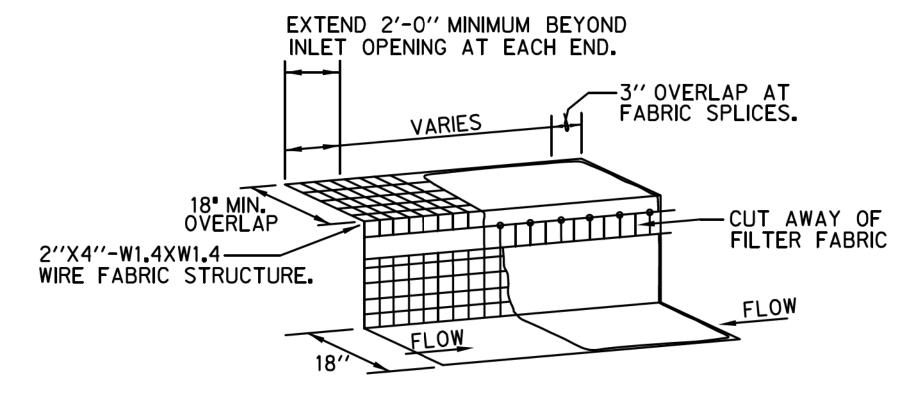


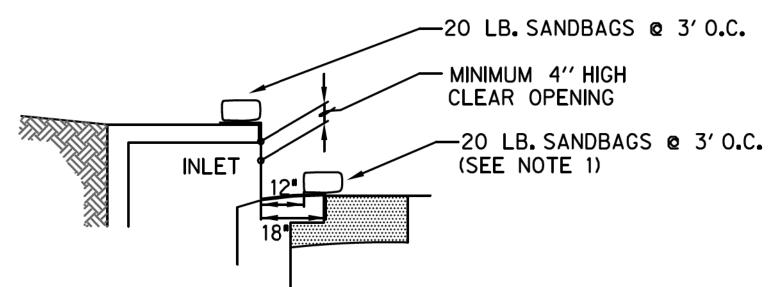
TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

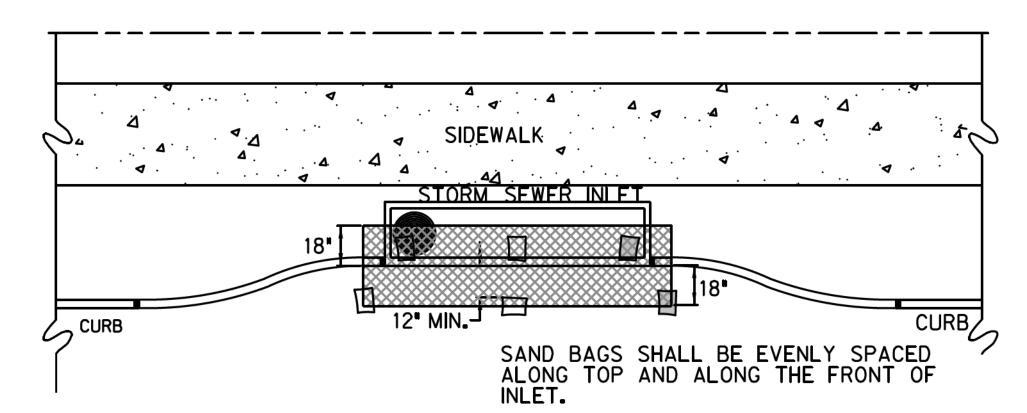
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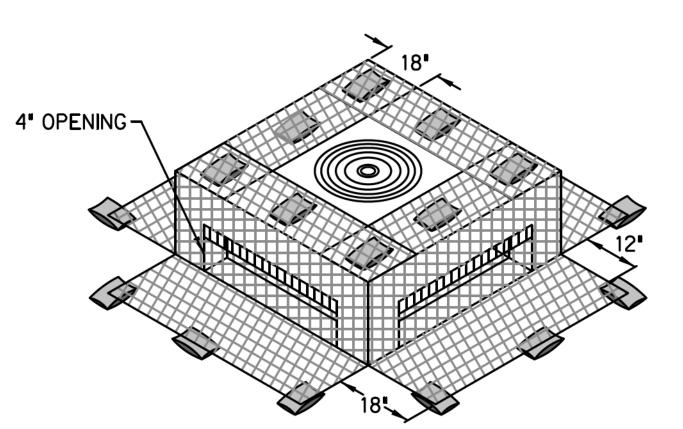




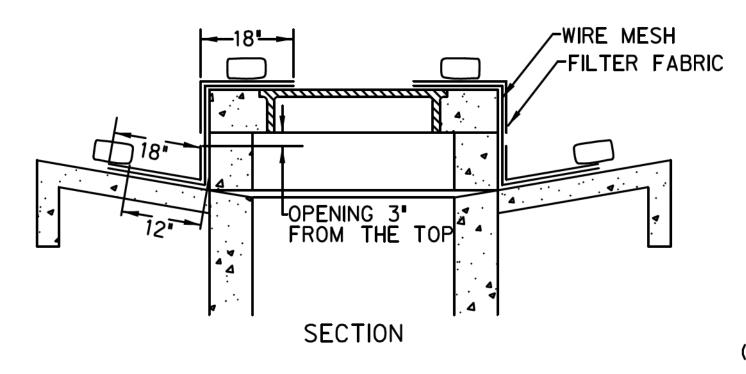




CURB INLET PROTECTION DETAIL



ISOMETRIC VIEW



FILTER FABRIC WYE INLET PROTECTION N.T.S.

NOTES:

- (1) A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL TO PROVIDE A 4-INCH MINIMUM CLEAR OPENING. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
- (2) INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2-INCHES.
- (3) CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM-WATER BEGINS TO OVERTOP THE CURB.
- (4) INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

INLET OPENING	MINIMUM NUMBER OF SAND BAGS		
OPENING	TOP	FRONT	
5′	2	3	
10′	3	3	
15′	3	4	
20′	4	4	

ESTABLISHMENT OF GROUND COVER

- (1) Eighty percent (80%) evenly distributed ground cover, without large bare areas, shall be established after the designated areas have been completed to the lines, grades and cross sections shown on the plans and prior to final acceptance by the Town.
- (2) Ground cover, for Seeding Turf Grass, shall be in accordance with the standard specifications of the Town of Hickory Creek, which has also adopted the Fourth Edition of the "Standard Specifications For Public Works Construction North Central Texas" herein referred to as "COG" specifications. Copies may be obtained from the North Central Texas Council of Governments, 616 Six Flags Drive, Suite 200, Arlington, Texas 76005-5888. (817) 640-3300.

 A copy of the contract documents, plans and specifications shall be available on-site at all times by the Contractor.
- (3) Refer to COG Item 202.6 specifications.
- (4) Prior to planting, contractor shall provide the Town with the State of Texas Certificate stating analysis of purity and germination of seed.
- (5) Planting season and application rates. All planting shall be done between the dates specified in Table 1, for each grass type except when specifically authorized in writing. The seeds planted per acre shall be of a type specified with the mixture, rate and planting dates as shown in the Table 1, or as specified by the Engineer.

	Table 1. Seeding Turfgrass				
TYPE	PLANTING SEASON	SEED AND RATE			
TYPE I	MARCH THROUGH SEPTEMBER	BERMUDA GRASS, HULLED 50-LB (22.7-KG) PLS PER ACRE			
TYPE II	OCTOBER THROUGH FEBRUARY	RYE GRASS, 100-LB (45.4-KG) PLS PER ACRE COMBINED WITH BERMUDA GRASS, HULLED 20-LB (9.1-KG) PLS PER ACRE.			
OTHER	AS SPECIFIED ON PLANS	AS SPECIFIED ON PLANS			

¹PLS - Pure Live Seed is determined by multiplying the gross weight times purity times the germination [For example, a 100-lb bag with 85% purity and 80% germination. (PLS=pounds in bag x Purity x germination) 100 x 0.85 x 0.8 = 60.8 -lbs of pure live seed.)

(6) Seeded areas shall be maintained, including watering and mowing, at such time and in a manner and quality to establish a minimum 80% evenly distributed ground cover, without large bare areas, until completion and final acceptance of the project by the Town.

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EROSION CONTROL

EROSION CONTROL DETAILS

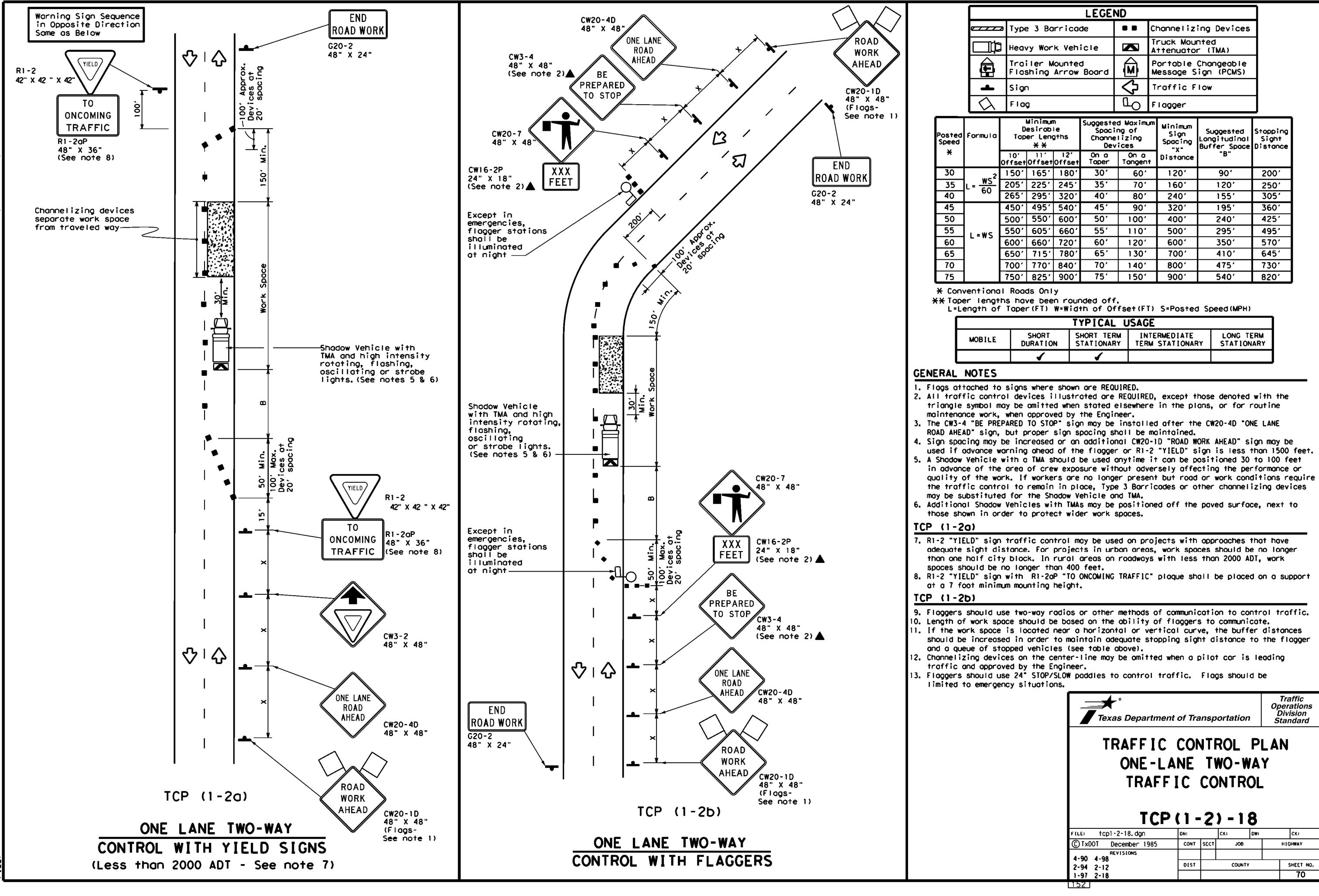
(SHEET 2 OF 2)



TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

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Stopping

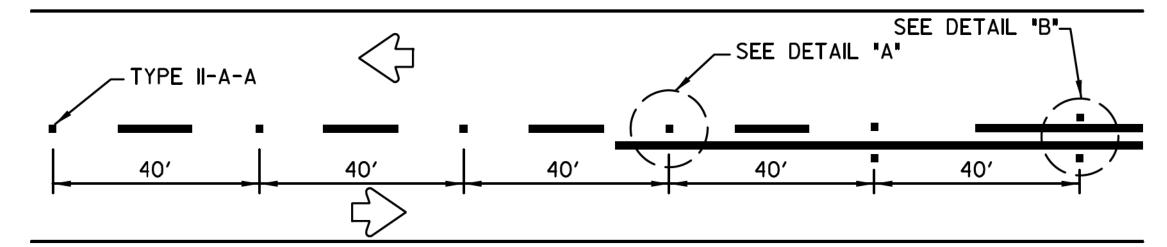
Operations

Division

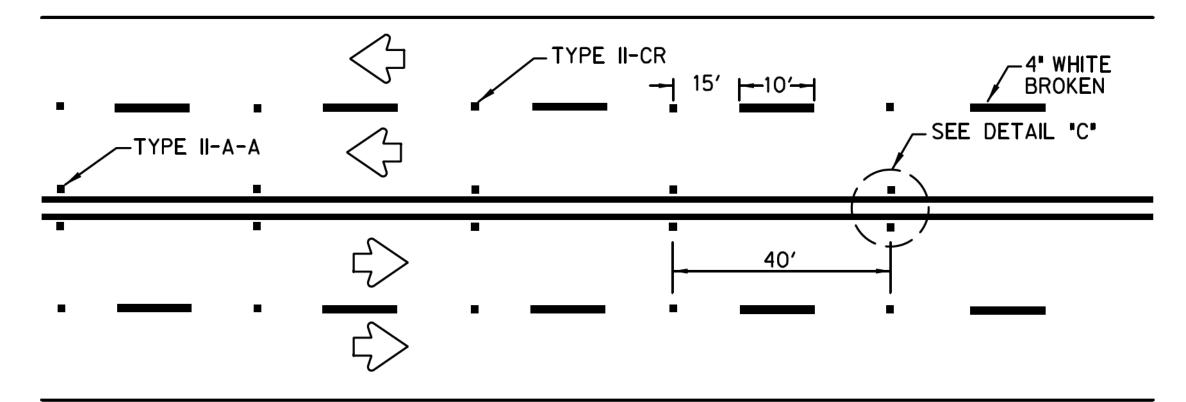
HIGHWAY

SHEET NO.

REFLECTIVE RAISED PAVEMENT MARKERS FOR VEHICLE POSITIONING GUIDANCE

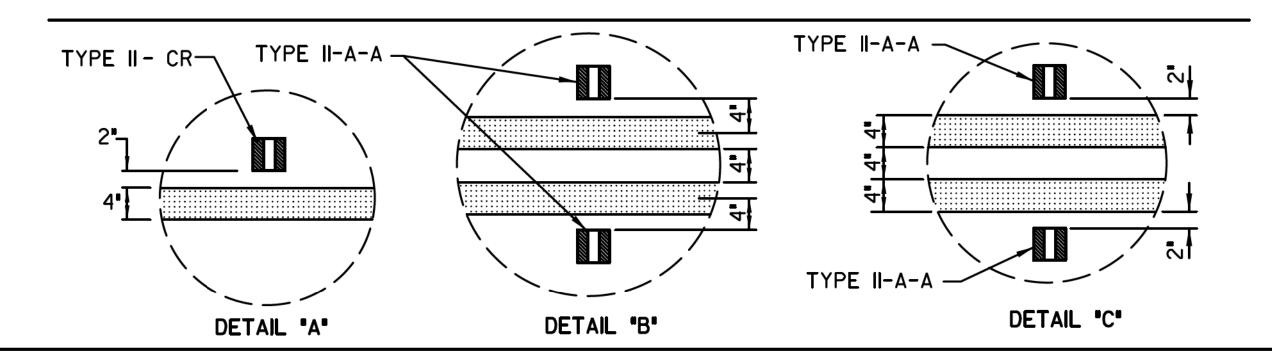


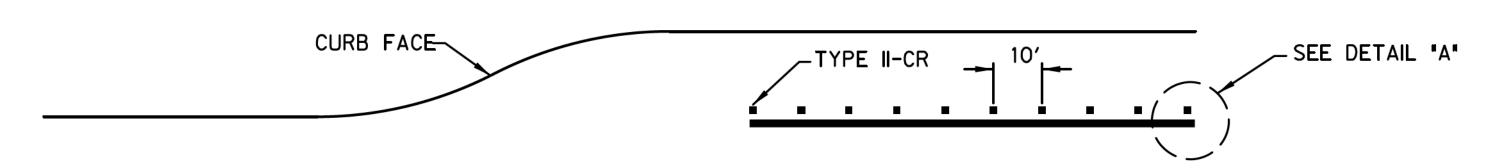
CENTERLINE FOR ALL TWO LANE ROADWAYS



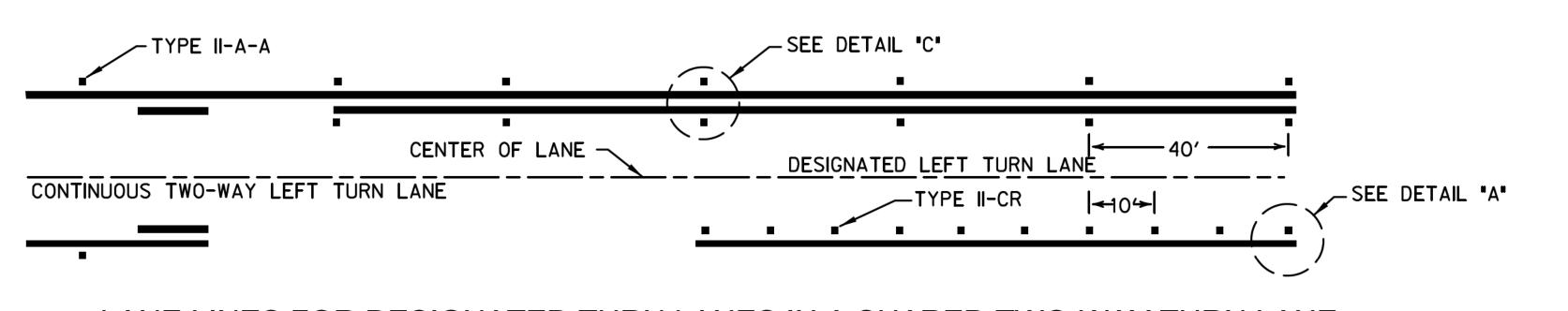
CENTERLINE & LANE LINES FOR FOUR LANE TWO-WAY HIGHWAYS

Raised pavement marker TYPE II-CR, clear/red face toward normal traffic, shall be placed on 40-foot centers.

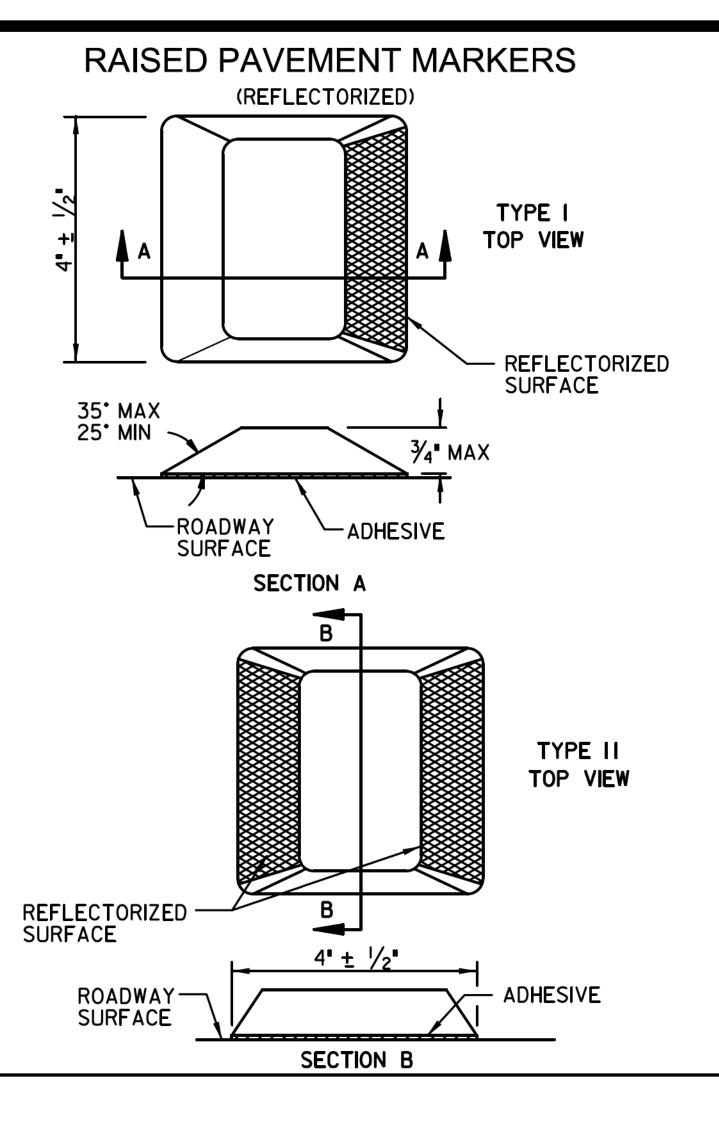




LANE LINES FOR DESIGNATED TURN LANES



LANE LINES FOR DESIGNATED TURN LANES IN A SHARED TWO-WAY TURN LANE



GENERAL NOTES:

All raised pavement markers placed in broken lines shall be placed in line with and midway between the stripes.

On concrete pavements the raised pavement markers should be placed to the same side of the longitudinal joints as the lane line.

All pavement markers installed on concrete shall be installed using Epoxy adhesive.

All pavement markers installed on asphalt shall be installed using Bituminous adhesive.

All pavement marking materials shall meet the Texas Department of Transportation Material Specifications as specified by the plans.

SPECIFICATION REFERENCE TABLE - MATERIAL SPECIFICATIONS

PAVEMENT MARKERS (REFLECT.)
EPOXY

DMS-4200 DMS-6100 DMS-6130

BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS

PAVEMENT MARKING STANDARD DETAILS

TURN LANE AND

TRANSVERSE MARKINGS

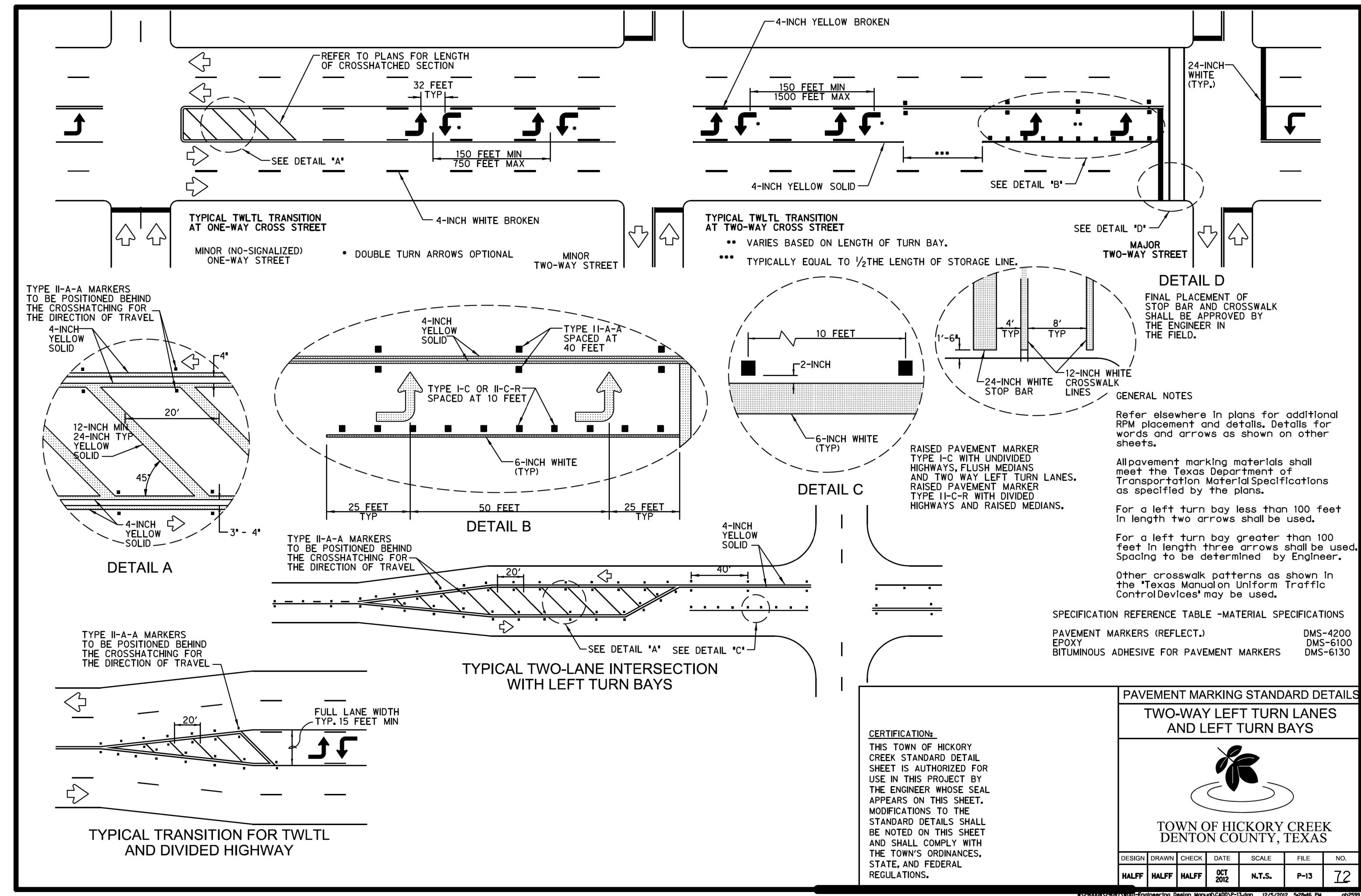
TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

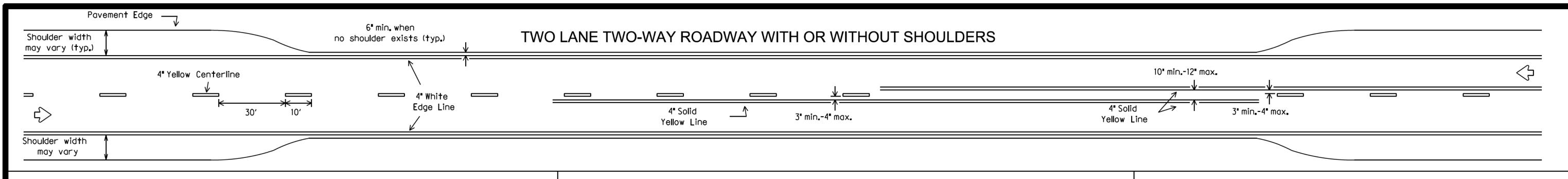
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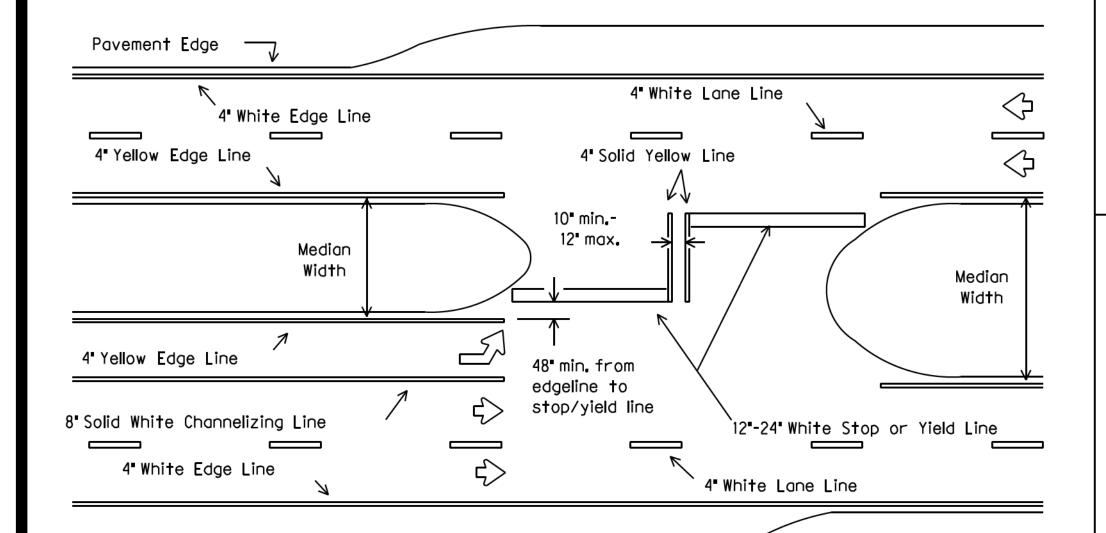
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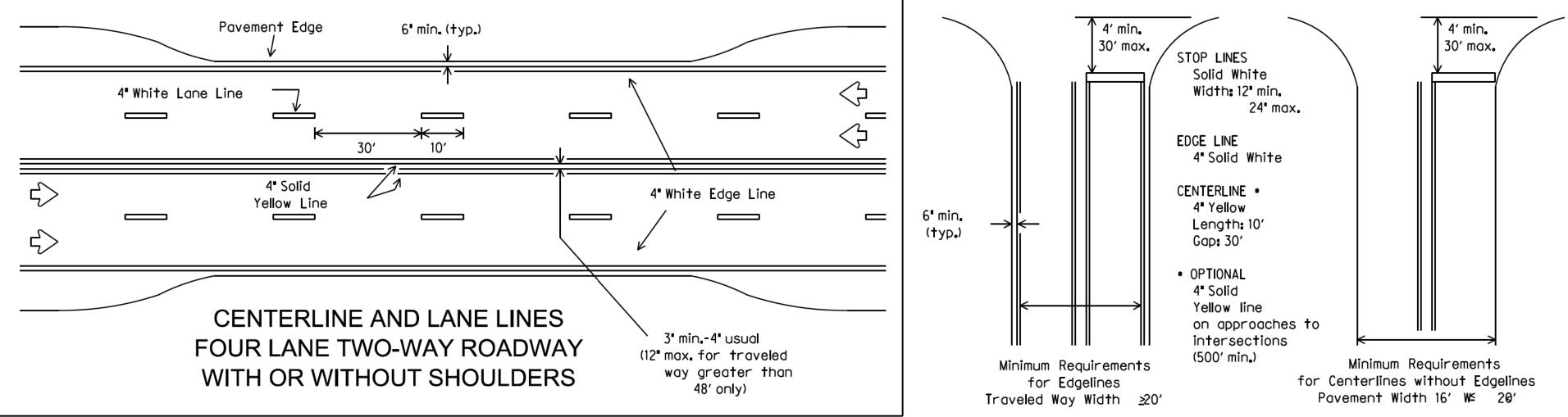




FOUR LANE DIVIDED ROADWAY INTERSECTIONS

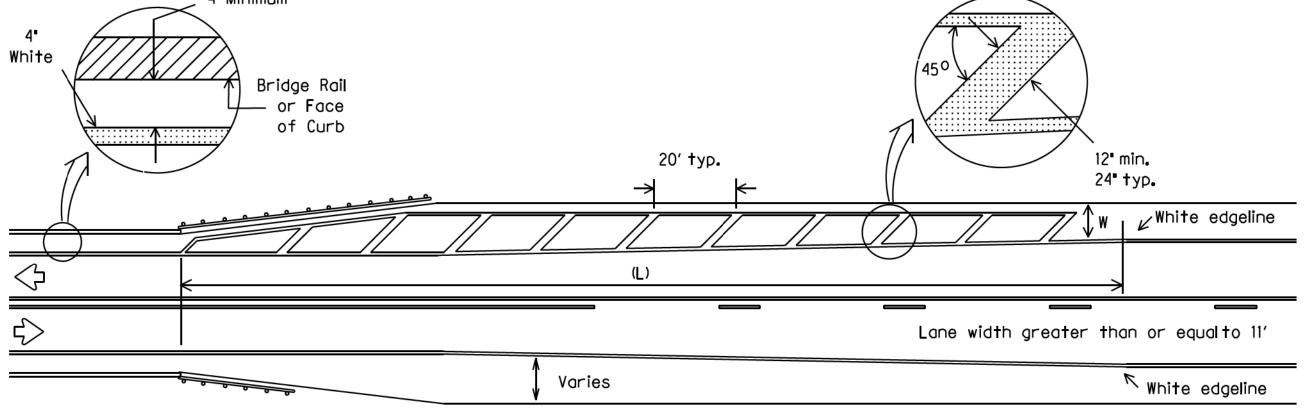


All medians shall be field measured to determine the location of necessary striping. Stop/Yield bars and centerlines shall be placed when the median width is greater than 30 ft. The median width is defined as the area between two roadways of a divided highway measured from edge of traveled way to edge of traveled way. The median excludes turn lanes. The median width might be different between intersections, interchanges and of opposite approaches of the same intersection. The narrow median width will be the controlling width to determine if markings are required.



ROADWAYS WITH REDUCED SHOULDER WIDTHS ACROSS BRIDGE OR CULVERT

4" Minimum Bridge Rail – or Face



NOTES:

DMS-6100

DMS-6130

DMS-4200

SPECIFICATION REFERENCE TABLE

MATERIAL SPECIFICATIONS

PAVEMENT MARKERS (REFLECT.)

BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS

- 1. No-passing zone on bridge approach is optional but if used, it shall be a minimum 500 feet long.
- 2. For crosshatching length (L) see Table 1. 3. The width of the offset (W) and the required crosshatching width is the full shoulder width in advance of the bridge.
- 4. The crosshatching should be required if the shoulder width in advance of the bridge is 4 foot
- or wider and any reduction in shoulder width across the bridge occurs.
- 5. For guard fence details, refer elsewhere in the plans.

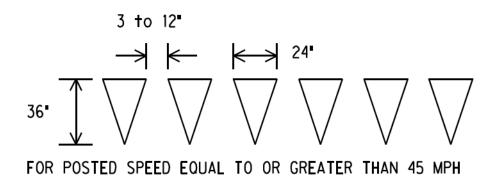
GENERAL NOTES:

Edgeline striping shall be as shown in the plans or as directed by the Engineer. The edgeline should typically be placed a minimum of 6 inches from the edge of pavement. This distance may vary due to pavement raveling or other conditions. Edgelines are not required in curb and gutter sections of roadways.

The traveled way includes only that portion of the roadway used for vehicular traveland not the parking lanes, sidewalks, berms and shoulders. The traveled ways shall be measured from the inside of edgeline to inside of edgeline of a two lane roadway.

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.

YIELD LINES



3 to 12" 18° $\boxed{}$ \bigvee \bigvee \bigvee \bigvee \bigvee \bigvee \bigvee \bigvee \bigvee FOR POSTED SPEED EQUAL TO OR LESS THAN 40 MPH

CERTIFICATION:

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EDGE LINE & CENTERLINE Based on Traveled Way and Pavement Widths for Undivided Highways

GUIDE FOR PLACEMENT OF STOP LINES,

Posted Speed *	Formula
30, 35, 40	L= WS 2 60
45, 50, 55, 60, 65, 70	L=WS

TABLE 1 - TYPICAL LENGTH (L)

85th Percentile Speed may be used on roads where * traffic speeds normally exceed the posted speed limit. Crosshatching length should be rounded up to nearest 5 foot increment.

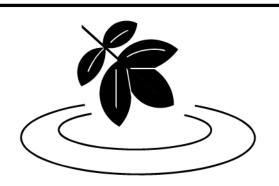
L=Length of Crosshatching (FT.) W=Width of Offset (FT.) S=Posted Speed (MPH)

EXAMPLES:

- An 8 foot shoulder in advance of a bridge reduces to 4 feet on a 70 MPH roadway. The length of the crosshatching should be:
 - $L = 8 \times 70 = 560 \text{ ft.}$
- A 4 foot shoulder in advance of a bridge reduces to 2 feet on a 40 MPH roadway. The length of the crosshatching should be:
 - $L = 4(40)^{2} / 60 = 106.67 \text{ ft. rounded to } 110 \text{ ft.}$

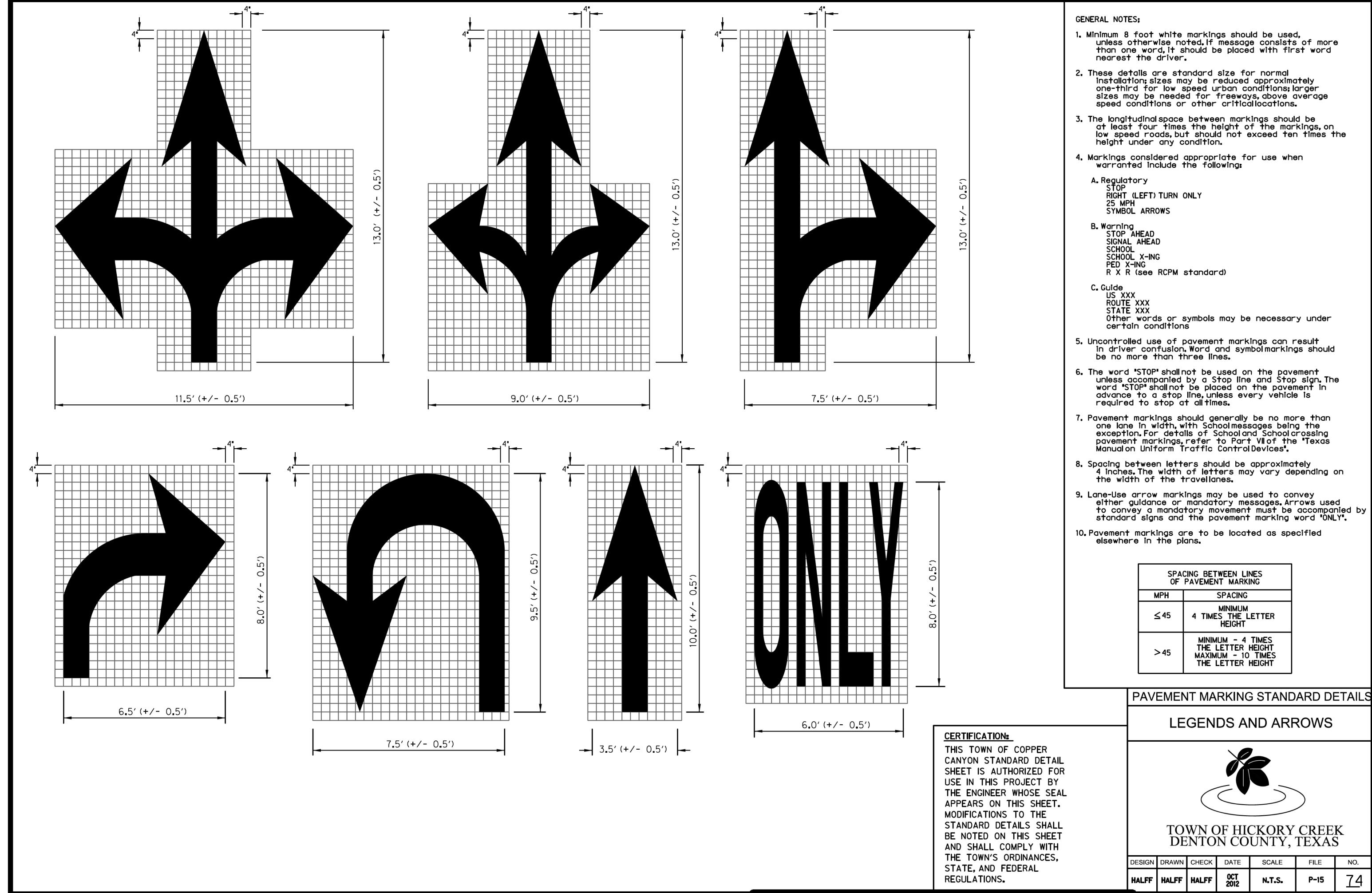
PAVEMENT MARKING STANDARD DETAILS

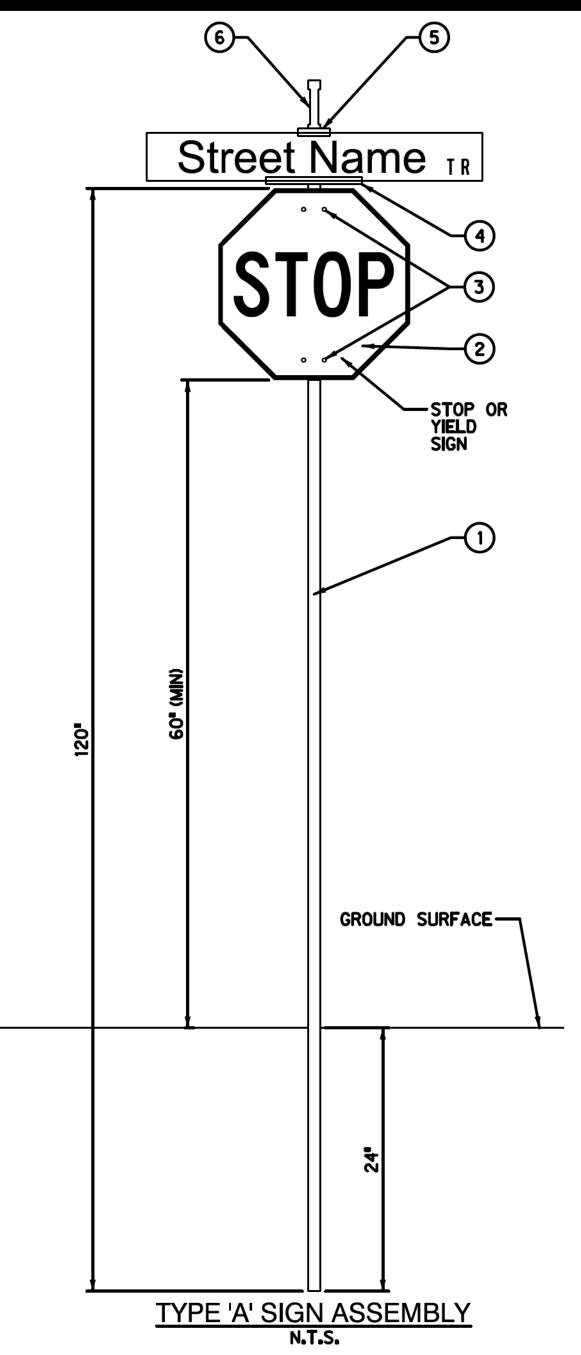
TYPICAL STANDARD PAVEMENT MARKINGS



TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

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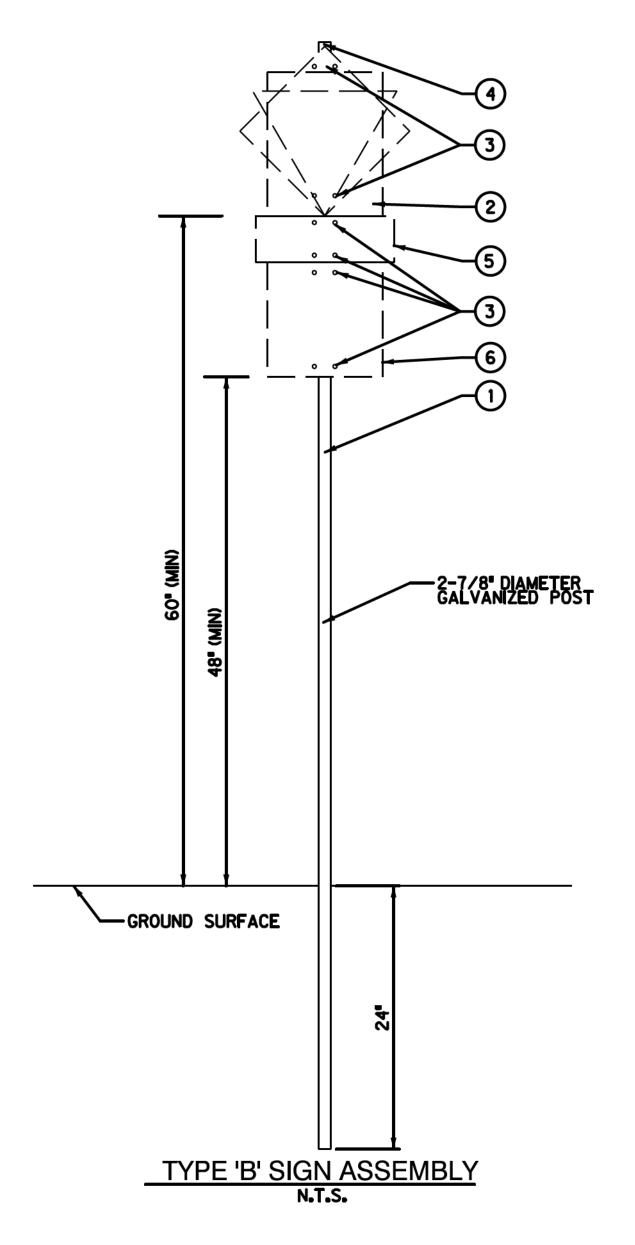




TRAFFIC CONTROL NOTES

LOCATION:

- 1. ALL SIGNAGE, BARRICADES, AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD HIGHWAY SIGN DESIGN FOR TEXAS.
- 2. LOCATIONS SHOWN FOR SIGNAGE AND PAVEMENT MARKINGS ARE APPROXIMATE; FINAL LOCATIONS MAY CHANGE DUE TO POST CONSTRUCTION CONDITIONS AND PRESENCE OF OTHER PHYSICAL FEATURES. FINAL LOCATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE FIELD VERIFIED WITH TOWN OF HICKORY CREEK PRIOR TO INSTALLATION.
- 3. ALL PAVEMENT MARKINGS OTHER THAN BUTTONS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- 4. ALL SIGNS SHALL BE DIAMOND GRADE INTENSITY AND THE SIZES SHALL BE STANDARD UNLESS OTHERWISE NOTED.
- 5. ALL TRAFFIC SIGNS, POSTS, AND MATERIALS SHALL BE INSTALLED PER DETAIL ON THIS SHEET.
- 6. FOR STOP SIGNS THAT WILL ACCEPT FUTURE STREET SIGNS, EXTEND POST ABOVE STOP SIGN SO THAT 2 HOLES ARE AVAILABLE FOR MOUNTING. (FOR ALL OTHERS, POST SHALL NOT EXTEND ABOVE SIGN.)
- 7. CHANGES TO TYPICAL SIGN POST LOCATION MADE AT ENGINEER'S DISCRETION.



-9" EXTRUDED STREET NAME BLADE SHALL BE USED AT ALL INTERSECTIONS.

BLADE REQUIREMENTS:

-BLADES SHALL BE ALUMINUM.

LETTERING ALIGNMENT:

- FOR MAJOR ROADS THE TOWN LOGO SHALL APPEAR AT THE LEFT EDGE.

 STREET NAME SHALL BE LEFT JUSTIFIED & ALIGNED WITH TOWN LOGO

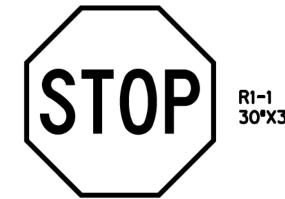
 BLOCK NUMBERS SHALL BE LOCATED IN UPPER RIGHT HAND CORNER AND
- ABBREVIATED STREET DESIGNATIONS SHALL BE LOCATED IN THELOWER RIGHT HAND CORNER AND RIGHT JUSTIFIED.

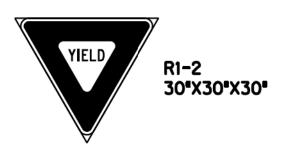
LETTERING FOR 9" EXTRUDE BLADES:

- FONT SHALL BE CLEAR VIEW 2W
- FOR EACH WORD, THE FIRST LETTER SHALL BE UPPERCASE, 6" TALL AND ALL FOLLOWING LETTERS SHALL BE LOWERCASE.
- LETTERS IN ABBREVIATED STREET DESIGNATIONS SHALL BE 3" TALL AND WITH THE FIRST LETTER UPPERCASE (i.e. Ln, Pkwy, Ct, etc.)
- BLOCK NUMBERS SHALL BE 3" TALL

SIGN SHEETING AND COLORS:

- SHEETING SHALL BE 3M REFLECTIVE COATING. BACKGROUND COLOR SHALL BE GREEN WITH WHITE LEGEND TEXT.
- ALL LETTERING SHALL BE WHITE.
- EMBLEM SHALL BE ACQUIRED FROM TOWN OF HICKORY CREEK "NO OUTLET" PANEL BACKGROUND SHALL BE YELLOW WITH BLACK LEGEND
- "PRIVATE" PANEL BACKGROUND SHALL BE WHITE WITH BLACK LEGEND TEXT.







	STOP SIGN ASSEMBLY (W/ STREET NAME SIGN ON TOP)	
	MATERIALS	QUANTITY
Θ	10 FOOT (120 INCH) - SIGN POST - 2-7/8" DIAMETER GALVANIZED POST	1
@	24" X 24" OR 30" X 30" STOP SIGN - 0.080" THICK ALUMINUM HIGH INTENSITY PRISMATIC	1
3	3" U-CLAMP	2
4	12" CROSS EXTRUDED BLADE HOLDER	1
(5)	12" CROSS EXTRUDED BLADE HOLDER	1
6	9" EXTRUDED BLADE STREET NAME MARKER	1

	TRAFFIC SIGN ASSEMBLY	
	MATERIALS	QUANTITY
1	10 FOOT (120 INCH) - SIGN POST - 2-7/8" DIAMETER GALVANIZED POST	1
2	TOP TRAFFIC SIGN	1
3	3º U-CLAMP	2
4	2-7/8" DIA. POST CAP W/ 12" EXTRUDED BLADE HOLDER	1
⑤	MIDDLE TRAFFIC SIGN	1
6	BOTTOM TRAFFIC SIGN	1

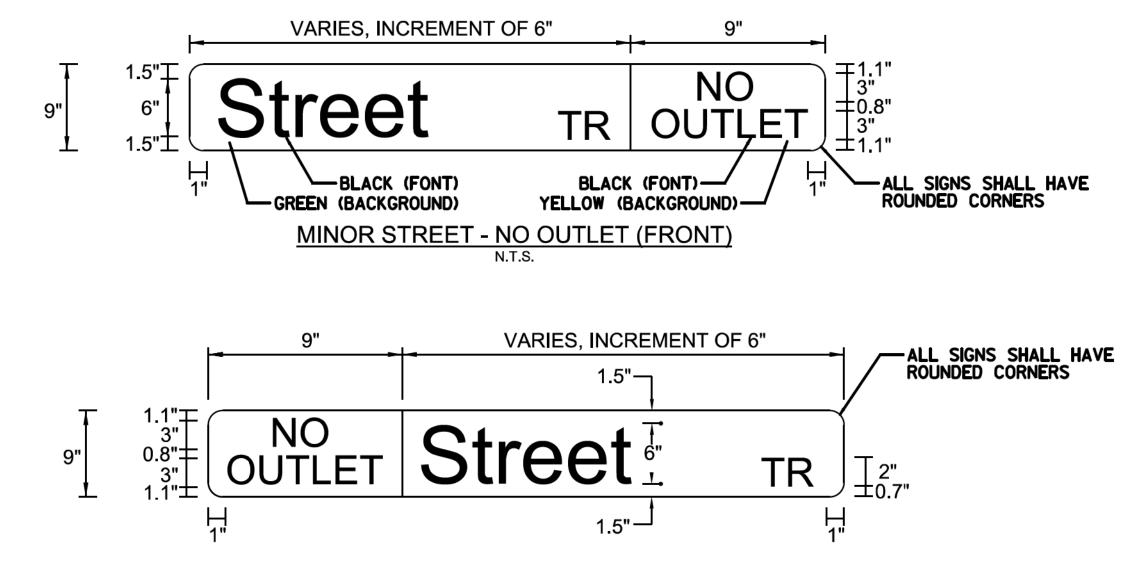
CERTIFICATION:

THIS TOWN OF HICKORY CREEK STANDARD DETAIL SHEET IS AUTHORIZED FOR USE IN THIS PROJECT BY THE ENGINEER WHOSE SEAL APPEARS ON THIS SHEET. MODIFICATIONS TO THE STANDARD DETAILS SHALL BE NOTED ON THIS SHEET AND SHALL COMPLY WITH THE TOWN'S ORDINANCES, STATE, AND FEDERAL REGULATIONS.

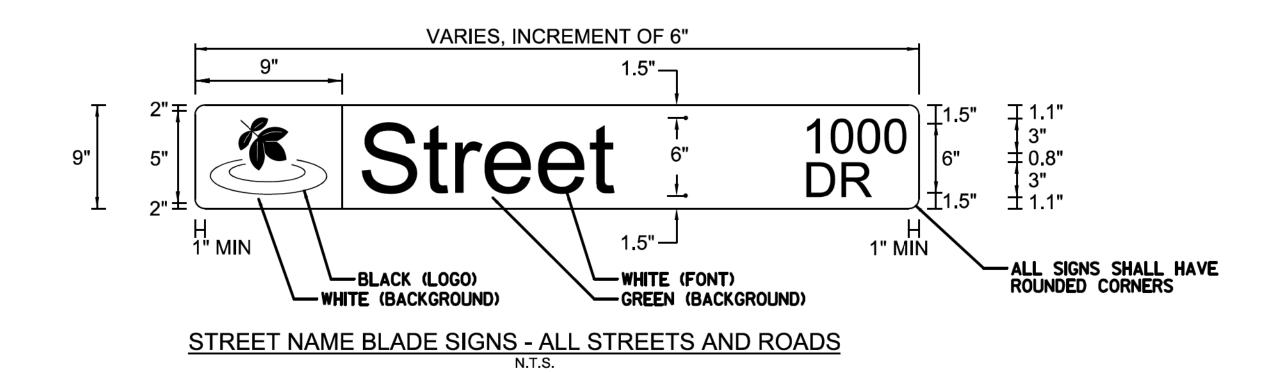
PAVEMENT STANDARD DETAILS SIGNING DETAILS & TRAFFIC CONTROL NOTES



DENTON COUNTY, TEXAS DESIGN DRAWN CHECK DATE SCALE FILE NO. HALFF HALFF







CERTIFICATION:

THIS TOWN OF HICKORY
CREEK STANDARD DETAIL
SHEET IS AUTHORIZED FOR
USE IN THIS PROJECT BY
THE ENGINEER WHOSE SEAL
APPEARS ON THIS SHEET.
MODIFICATIONS TO THE
STANDARD DETAILS SHALL
BE NOTED ON THIS SHEET
AND SHALL COMPLY WITH
THE TOWN'S ORDINANCES,
STATE, AND FEDERAL
REGULATIONS.

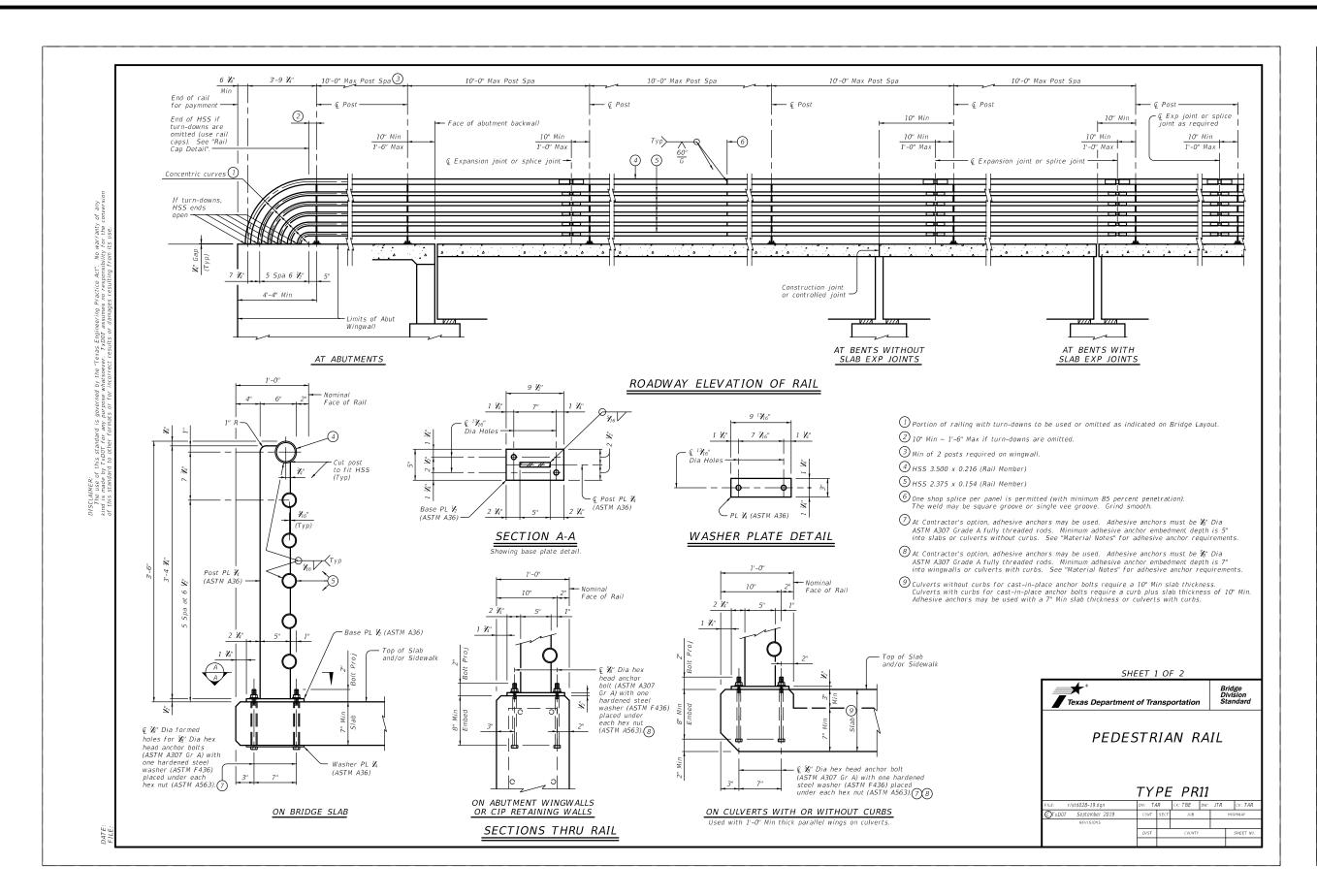
PAVEMENT STANDARD DETAILS SIGNING DETAILS &

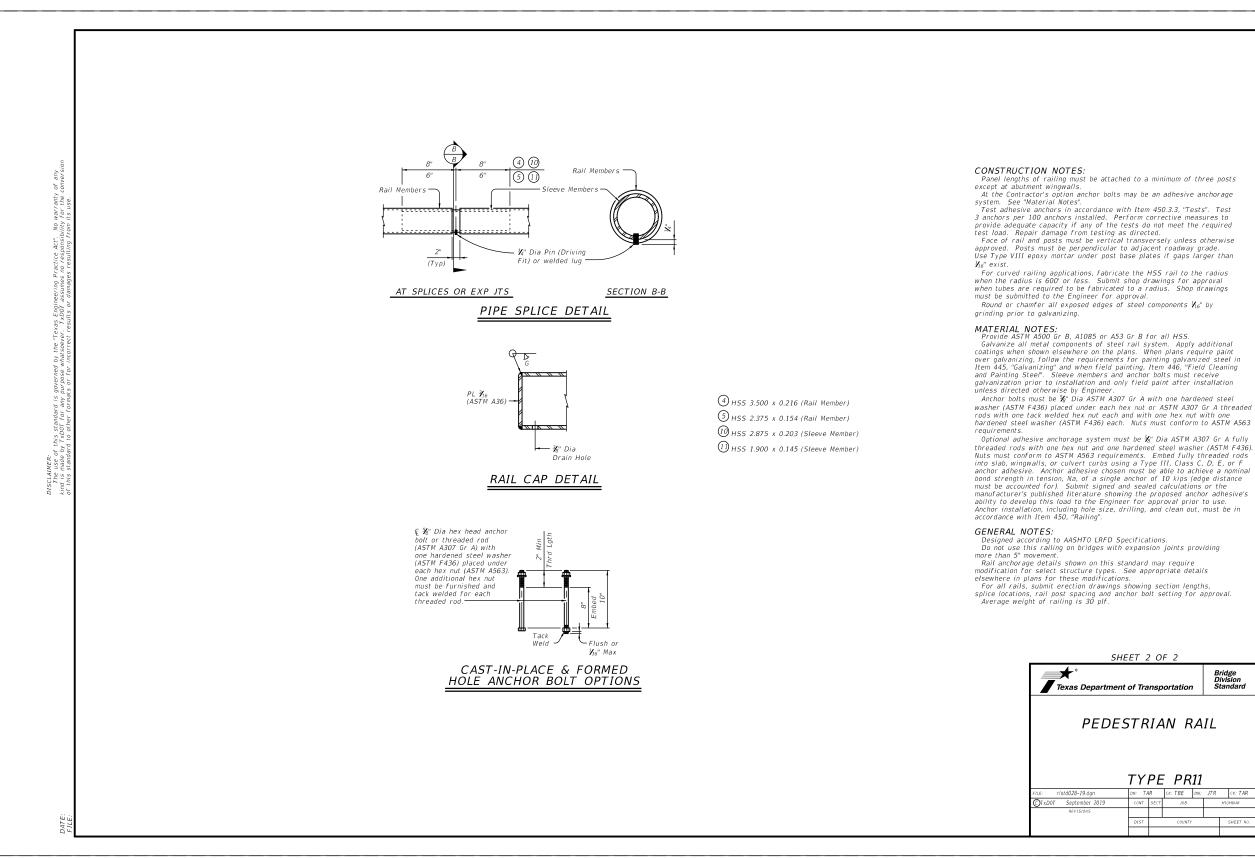


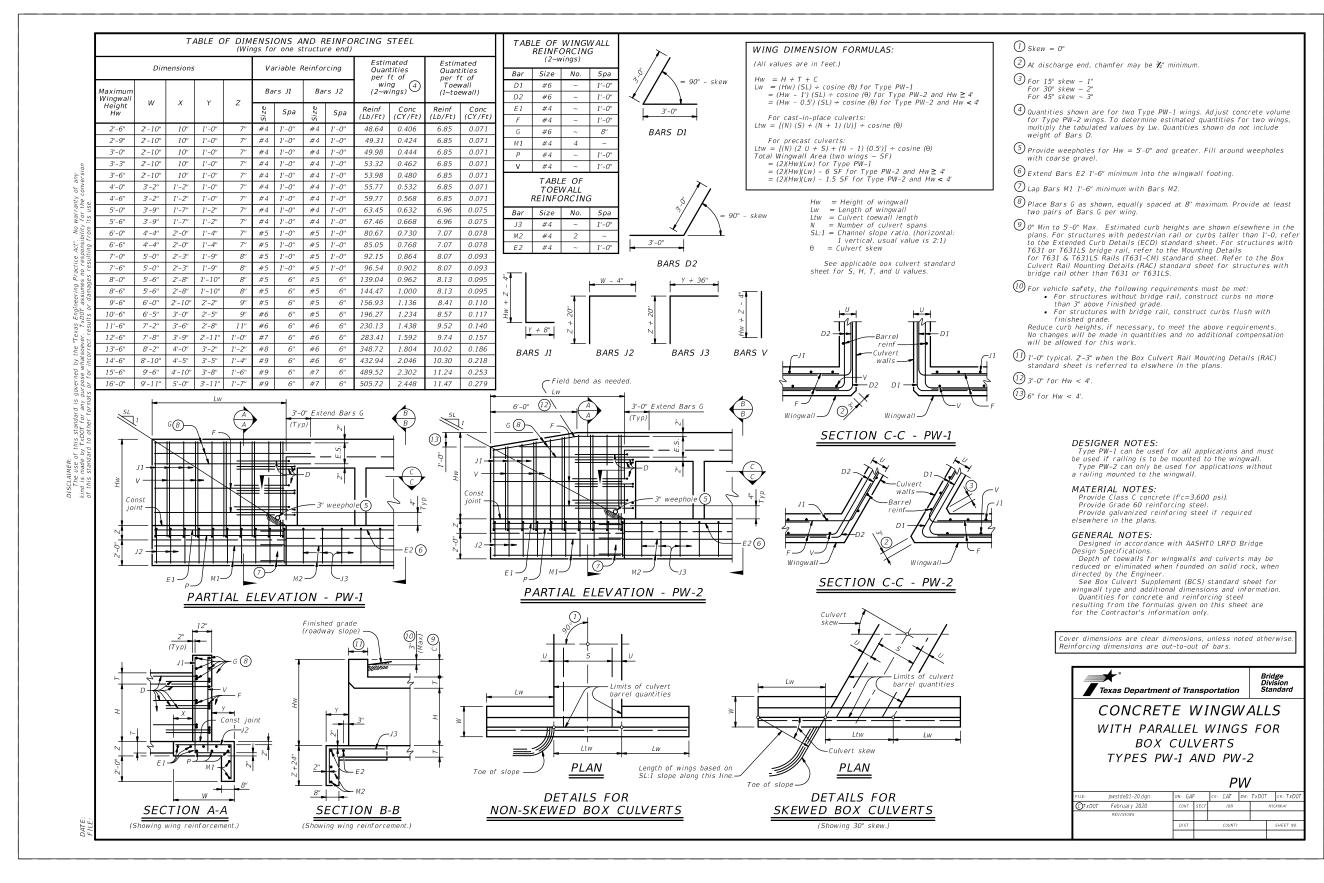
TOWN OF HICKORY CREEK DENTON COUNTY, TEXAS

DESIGN DRAWN CHECK DATE SCALE FILE NO.

HALFF HALFF OCT N.T.S. P-17 76







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KEVIN J. GRONWALDT 130871 1/13/2021

PE#

HICKORY CREEK City-close, lakeside living! PUBLIC WORKS
TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

TXDOT DETAILS (SHEET 1 OF 5)

4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

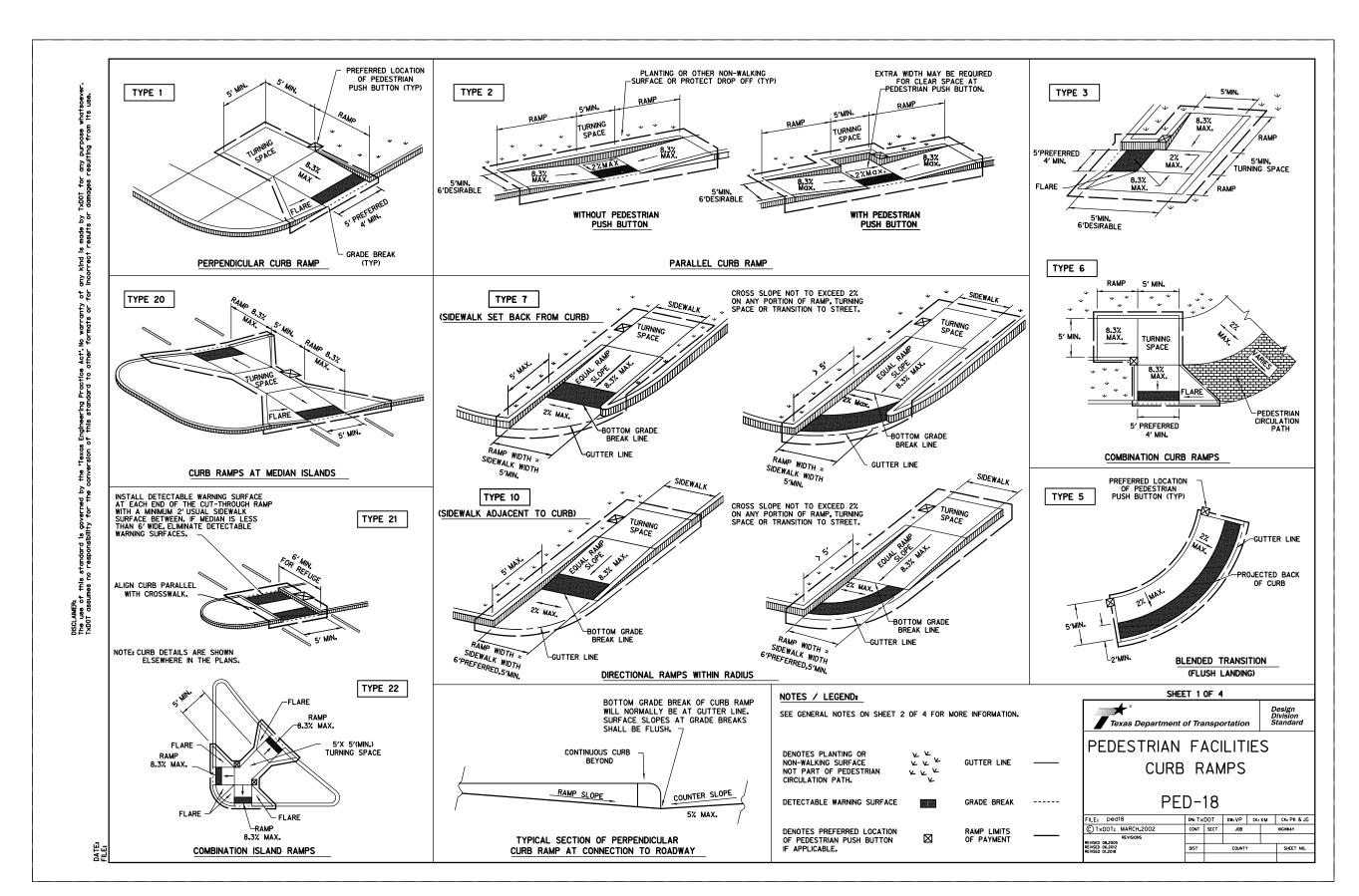
JANUARY 2021

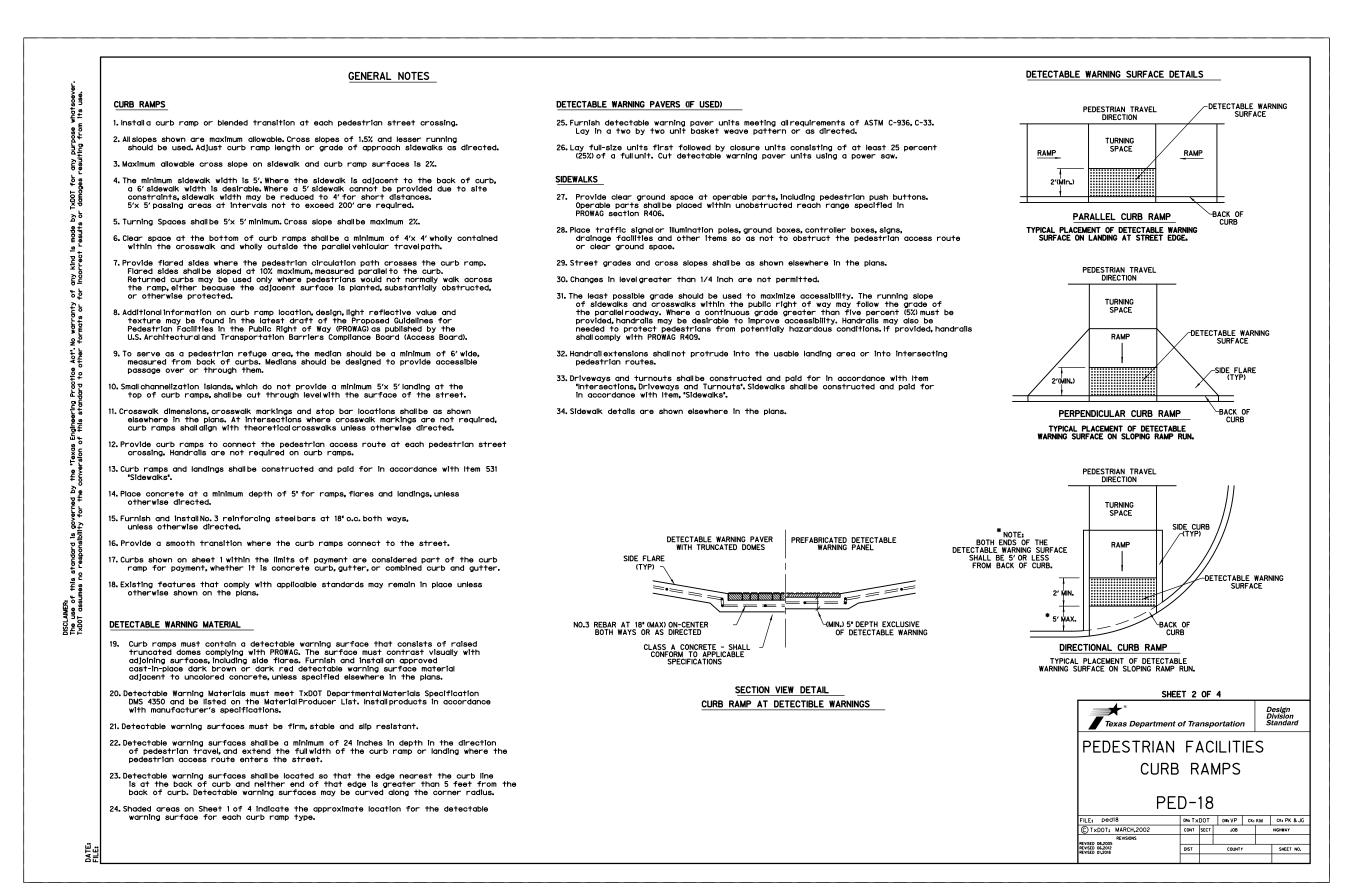
SHEET DARY D21 7

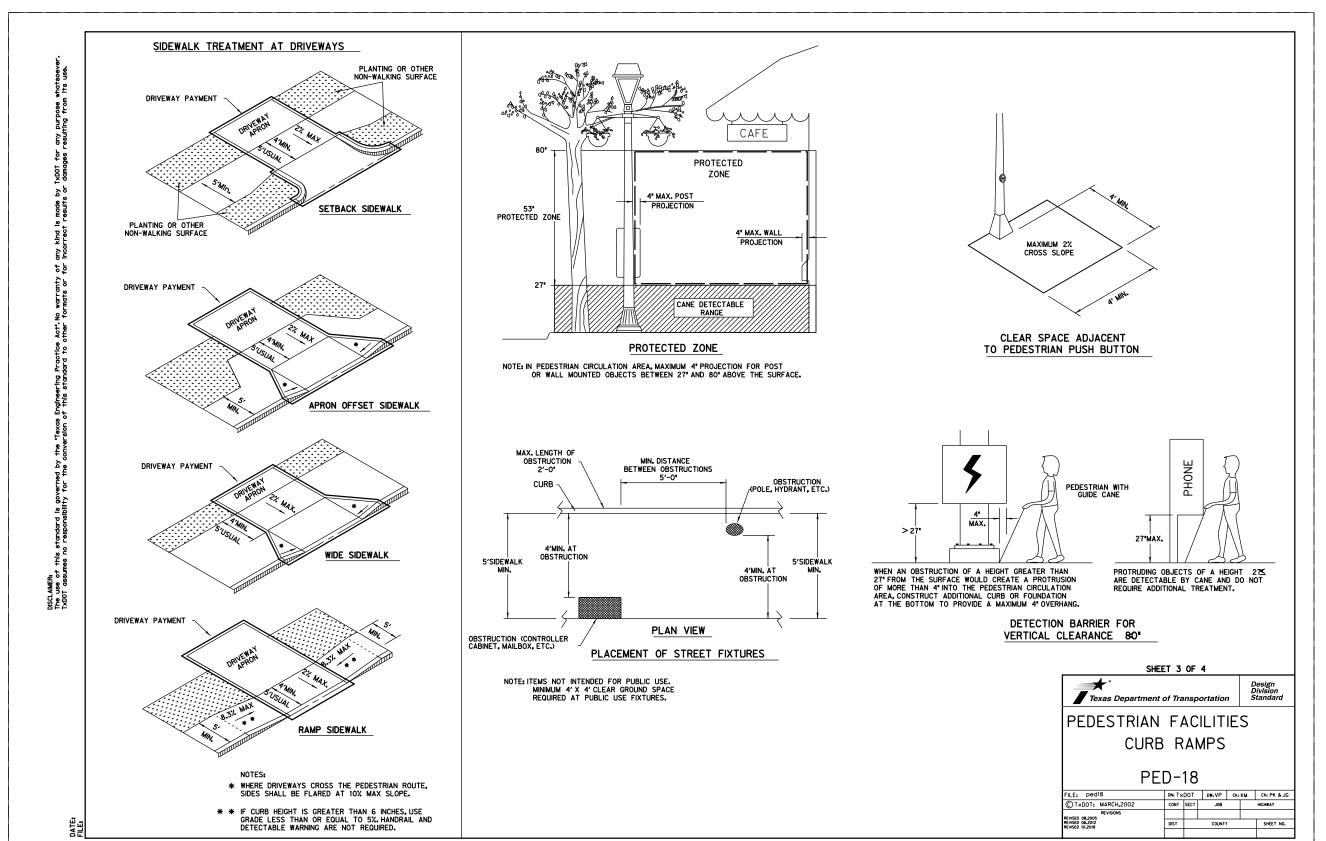
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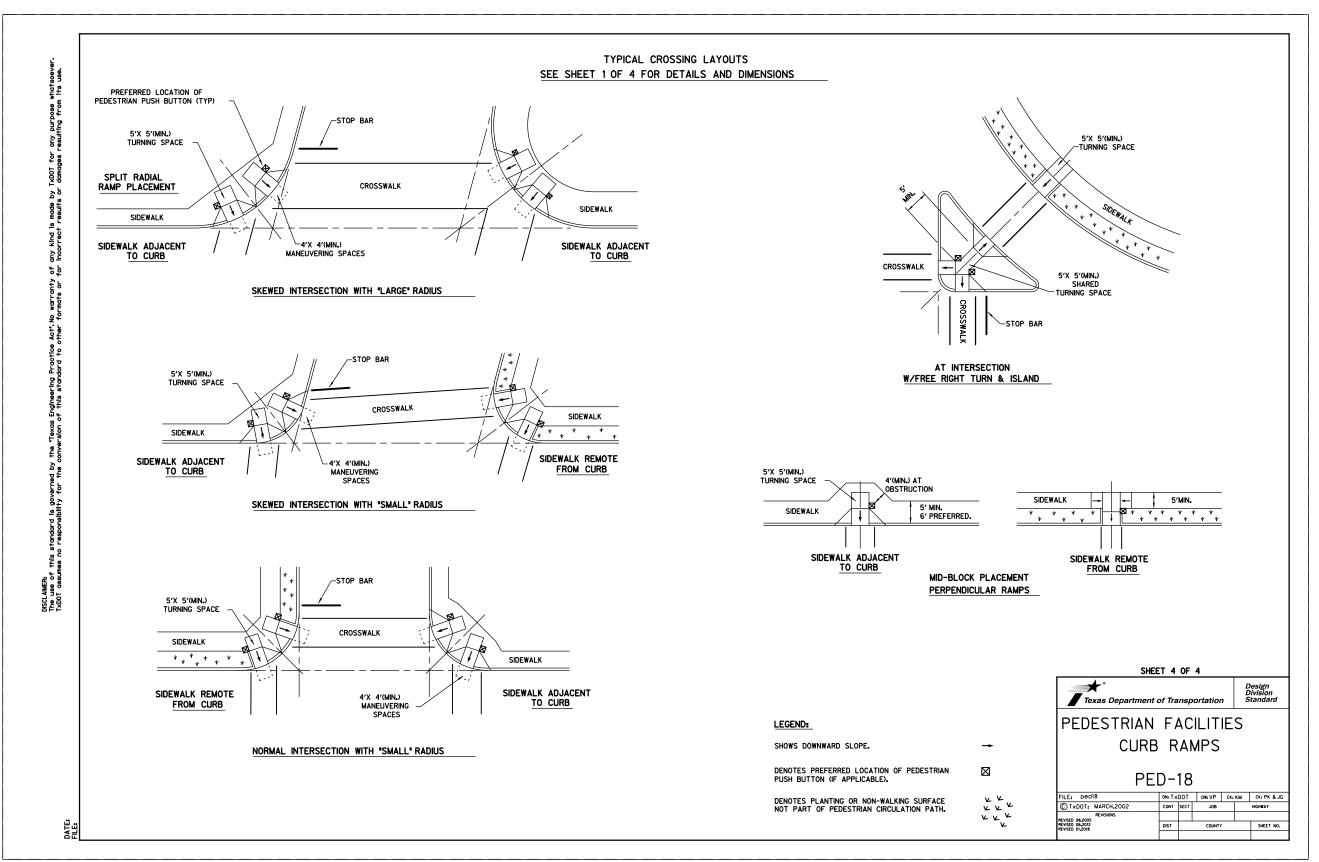
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HICKORY CREEK TX City-close, lakeside living!

TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

TXDOT DETAILS (SHEET 2 OF 5)

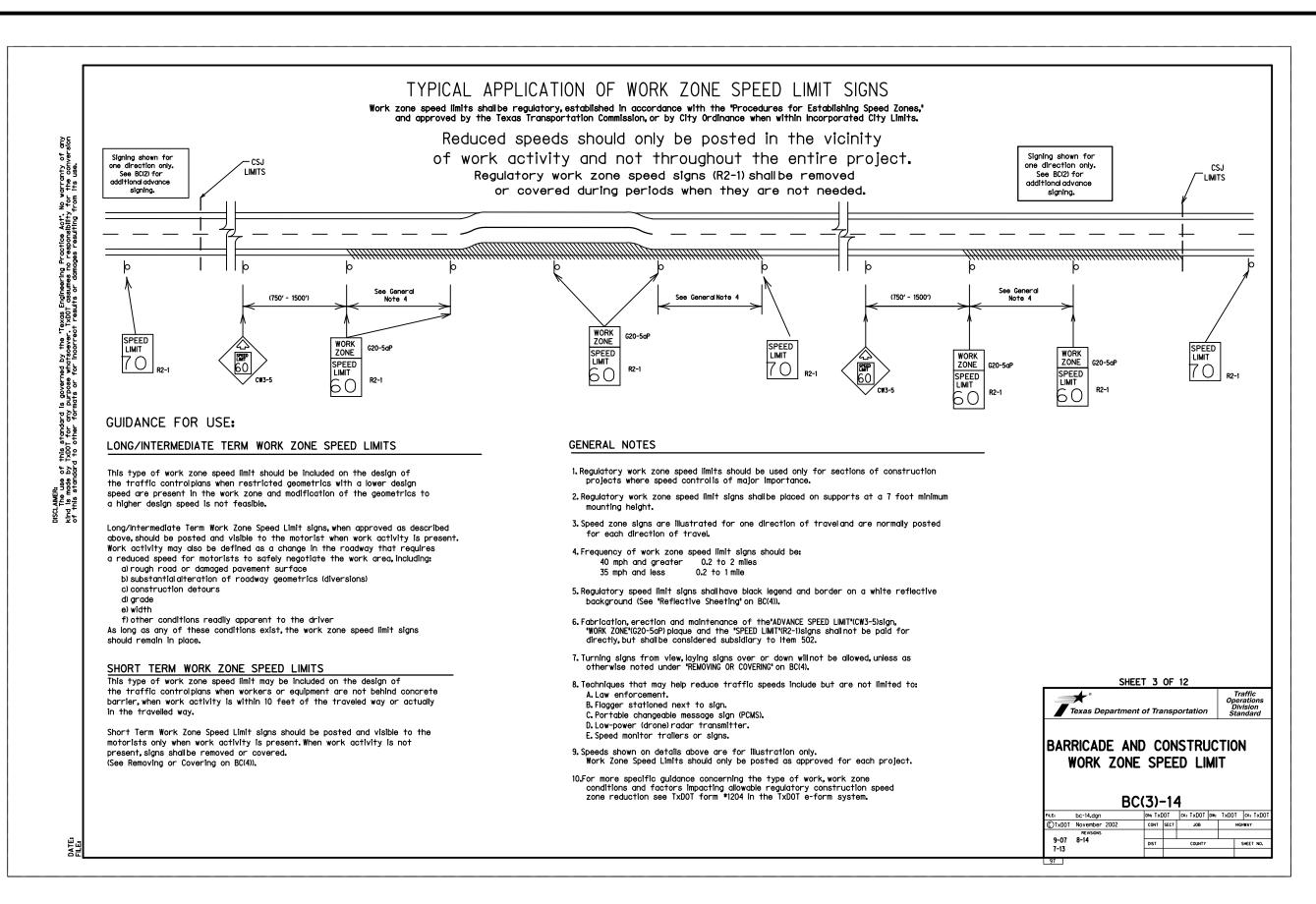
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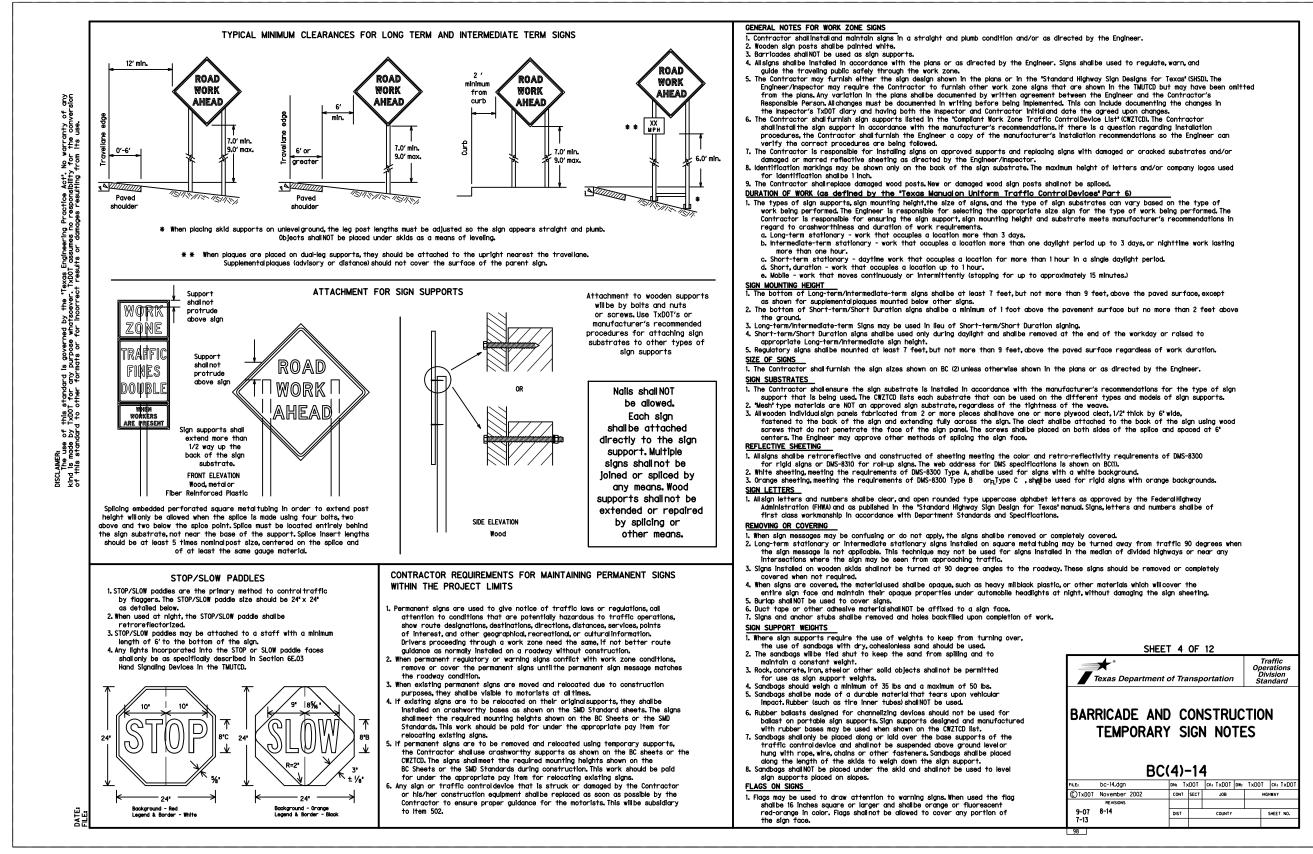
4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

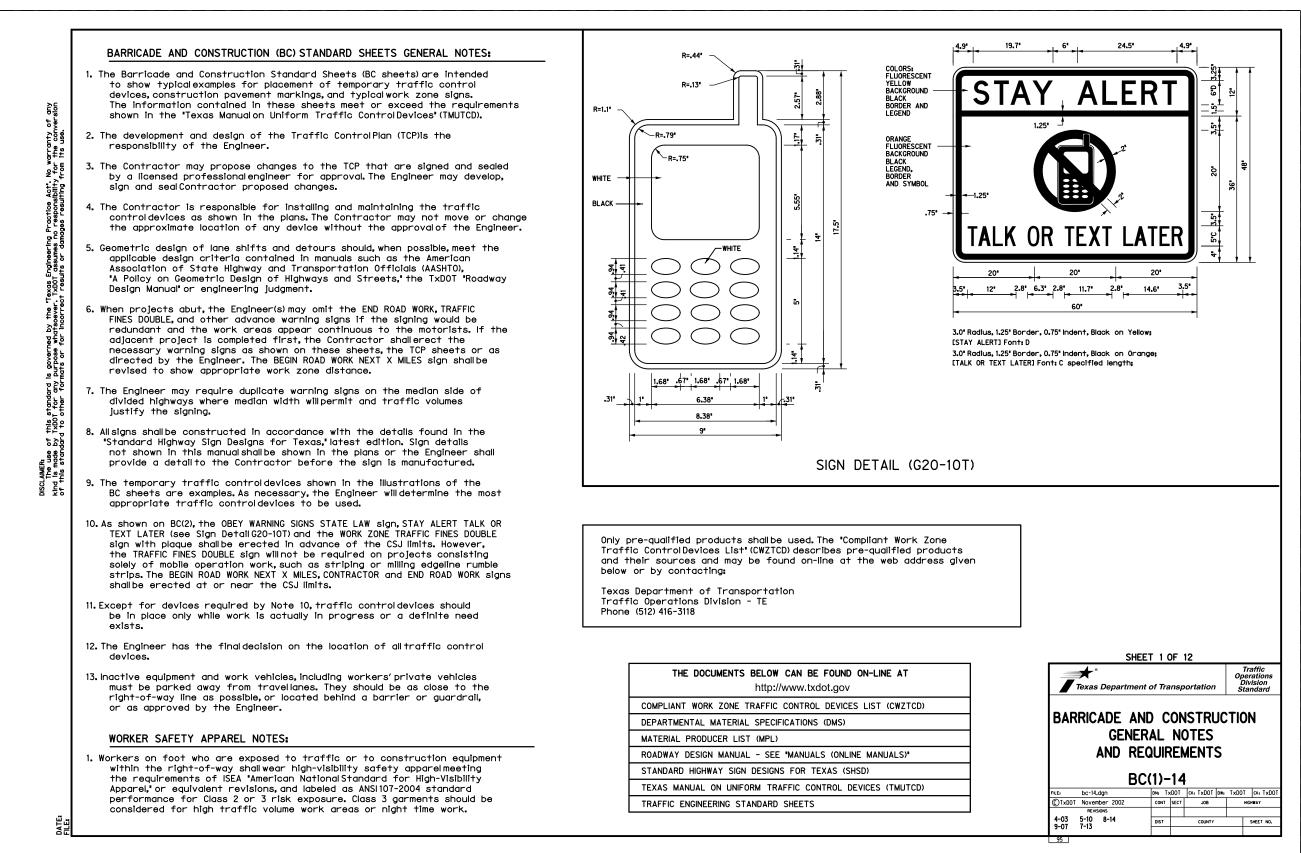
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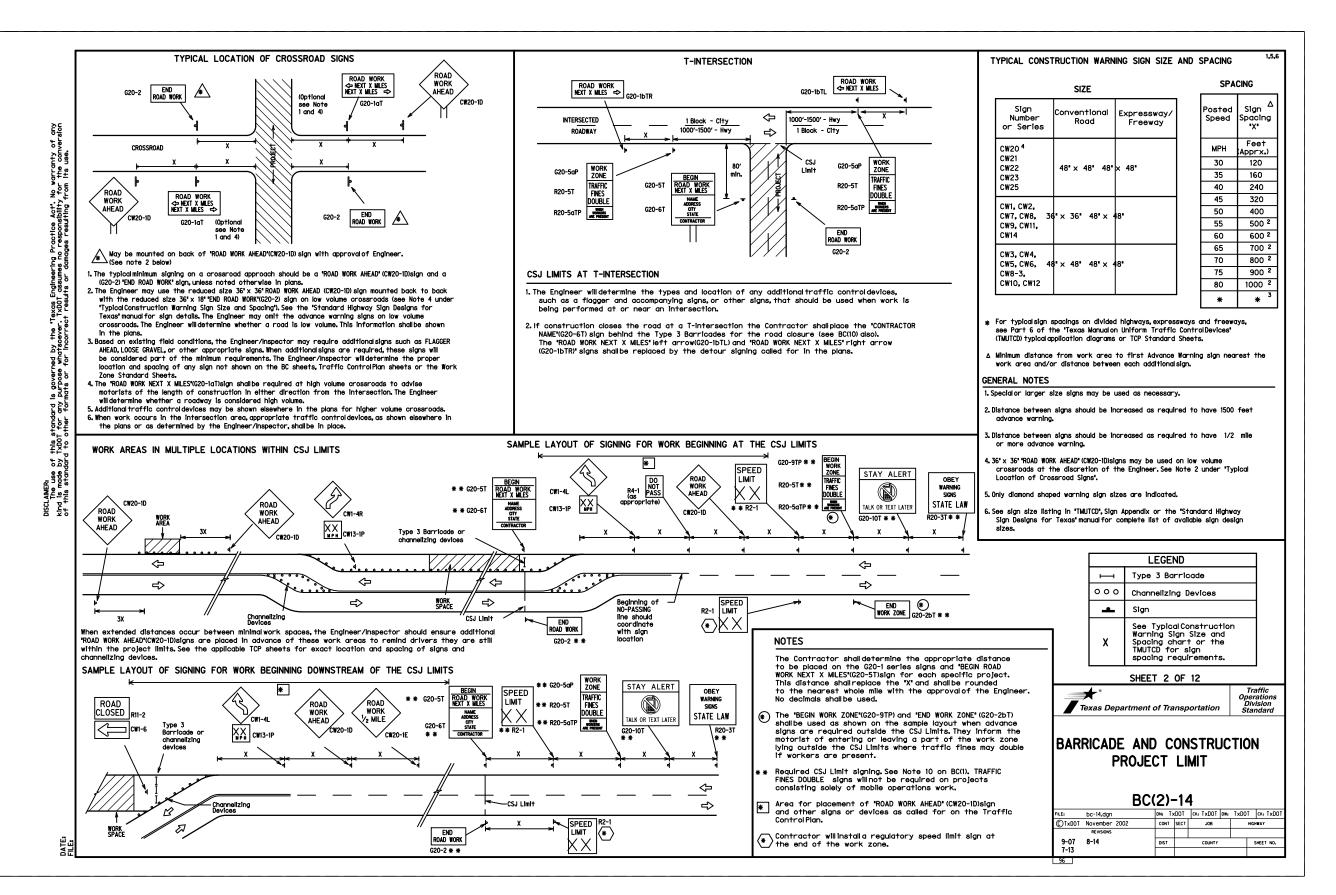
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SHEET









SHEET TITLE

HALFF ASSOCIATES, INC. TBPELS ENG. FIRM NO. F-312

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PUBLIC WORKS TOWN OF HICKORY CREEK

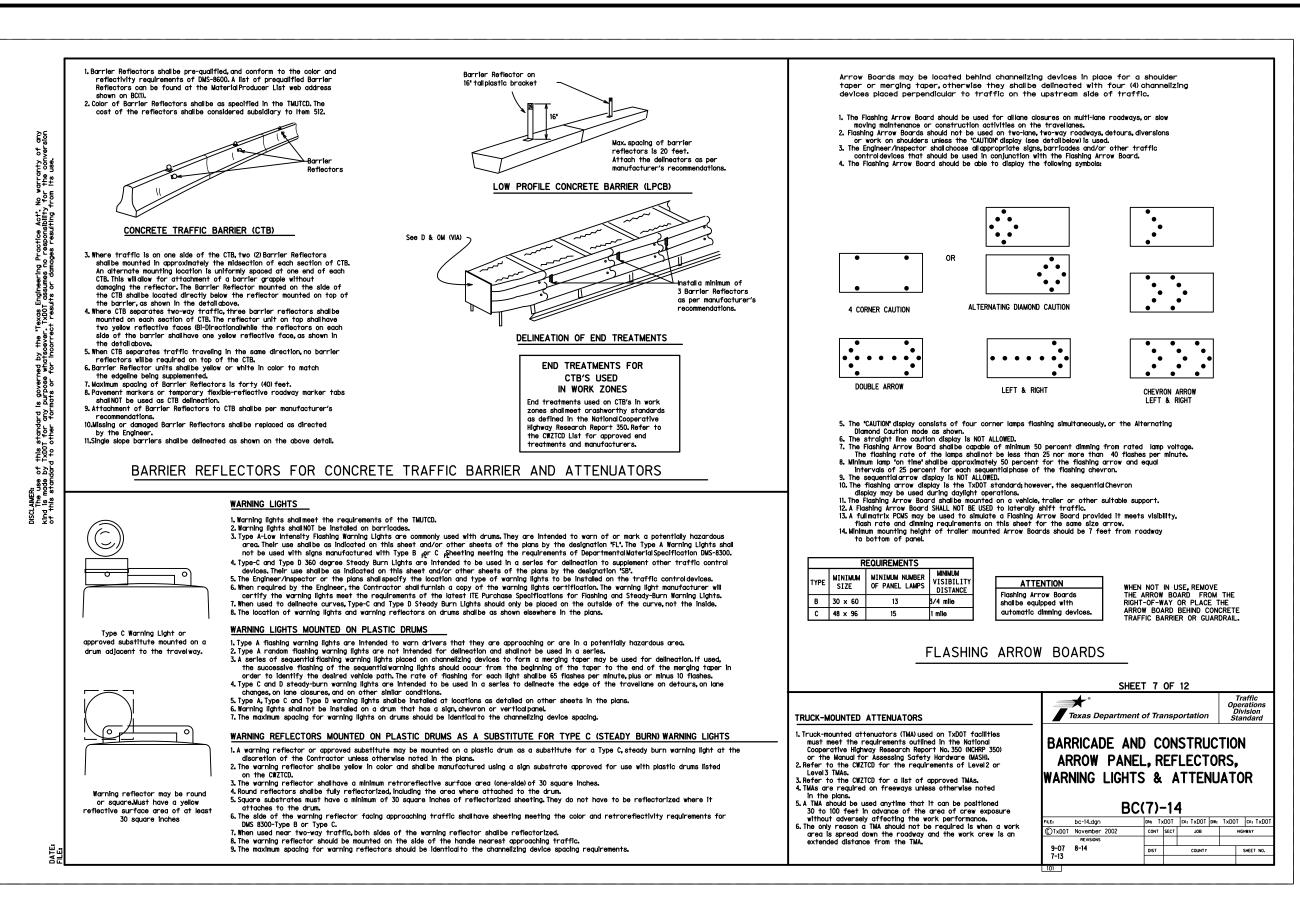
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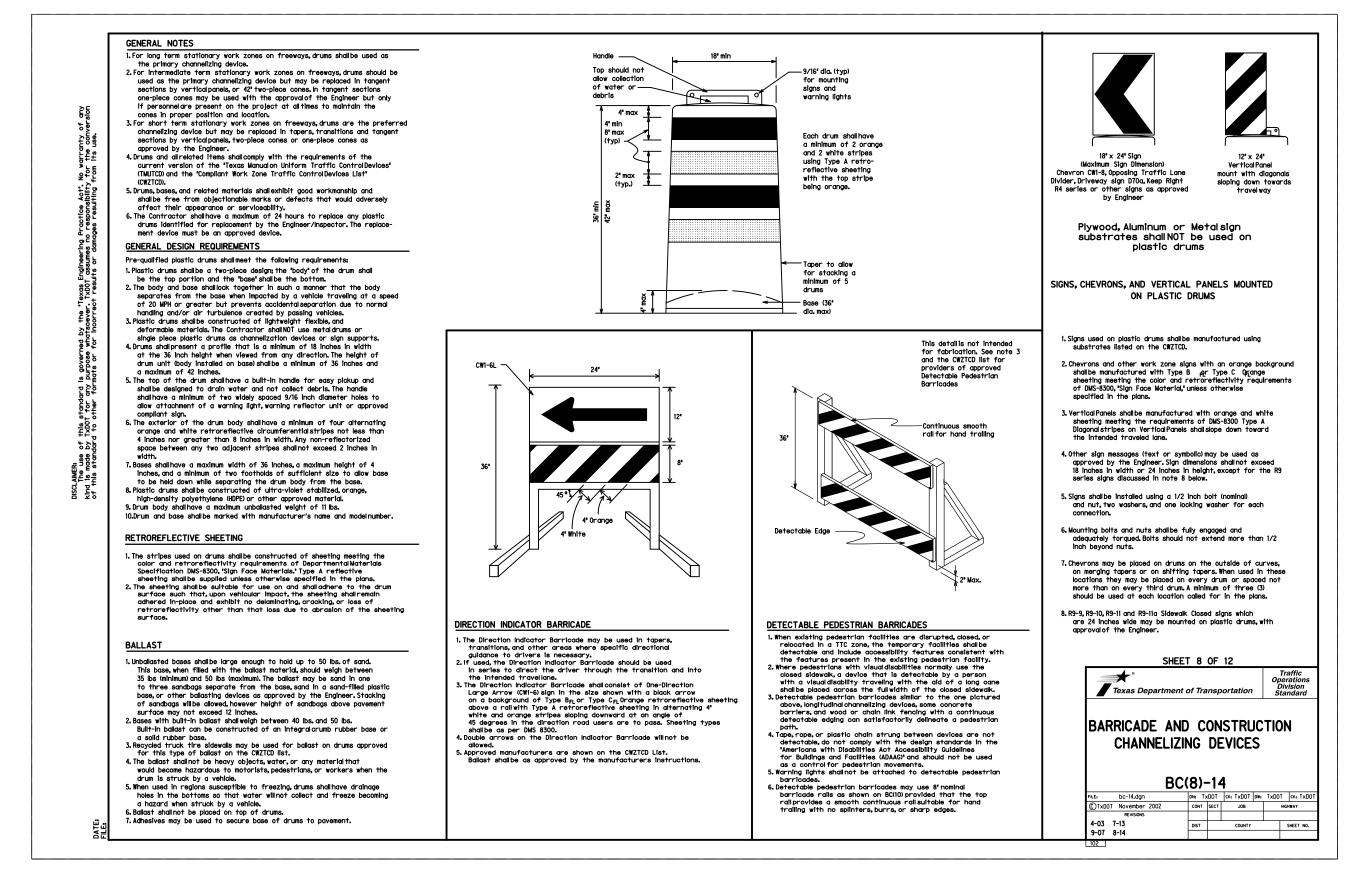
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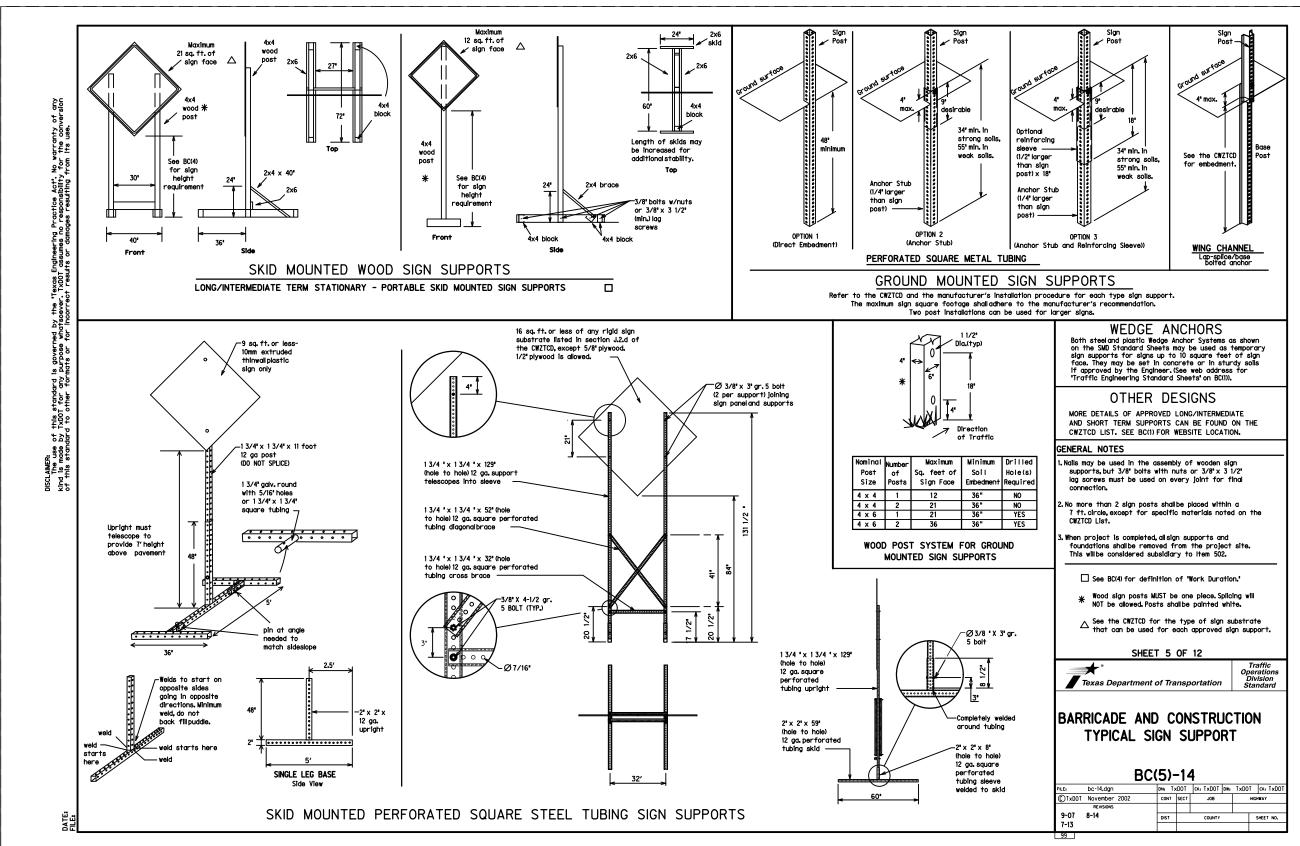
HALFF 4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

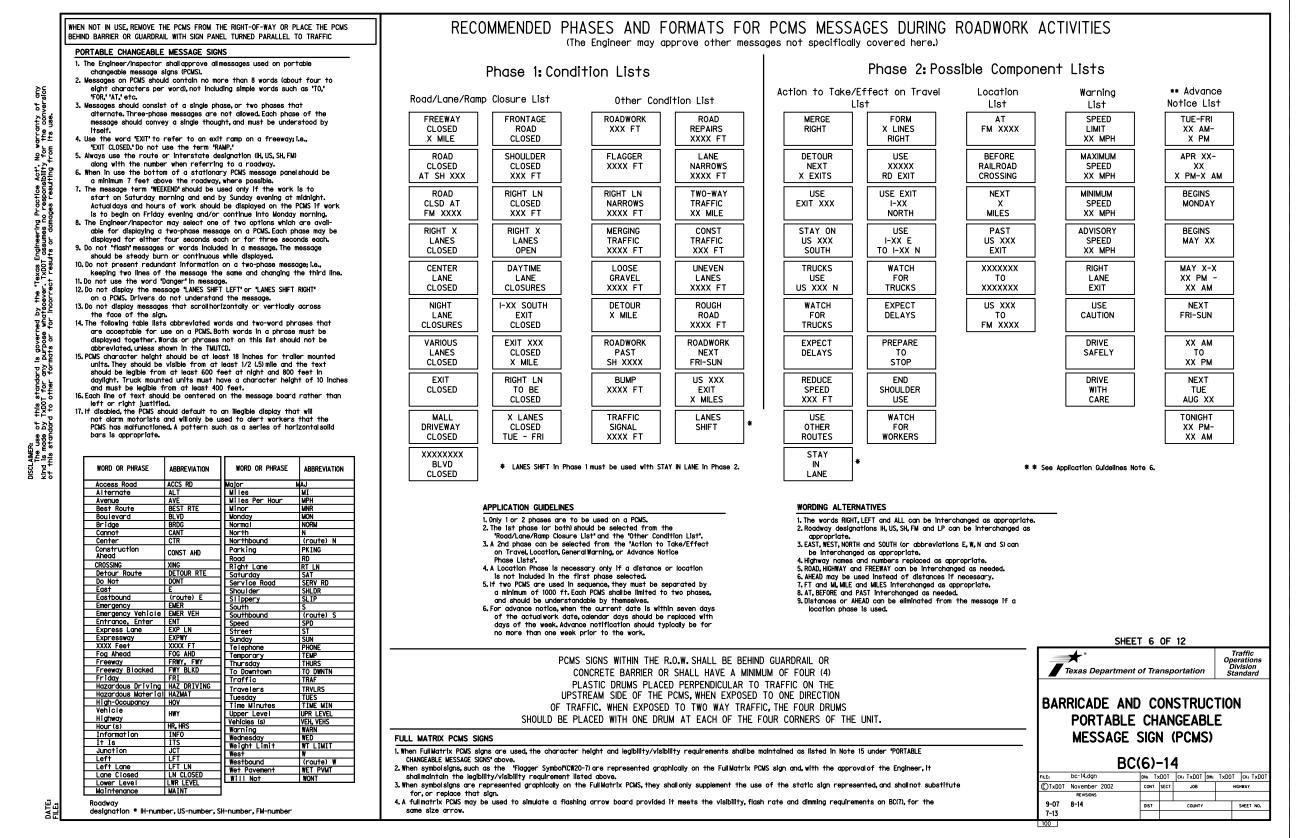
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HICKORY CREEK City-close, lakeside living!

PUBLIC WORKS TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

TXDOT DETAILS (SHEET 4 OF 5)

HALFF 4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

SHEET **JANUARY**

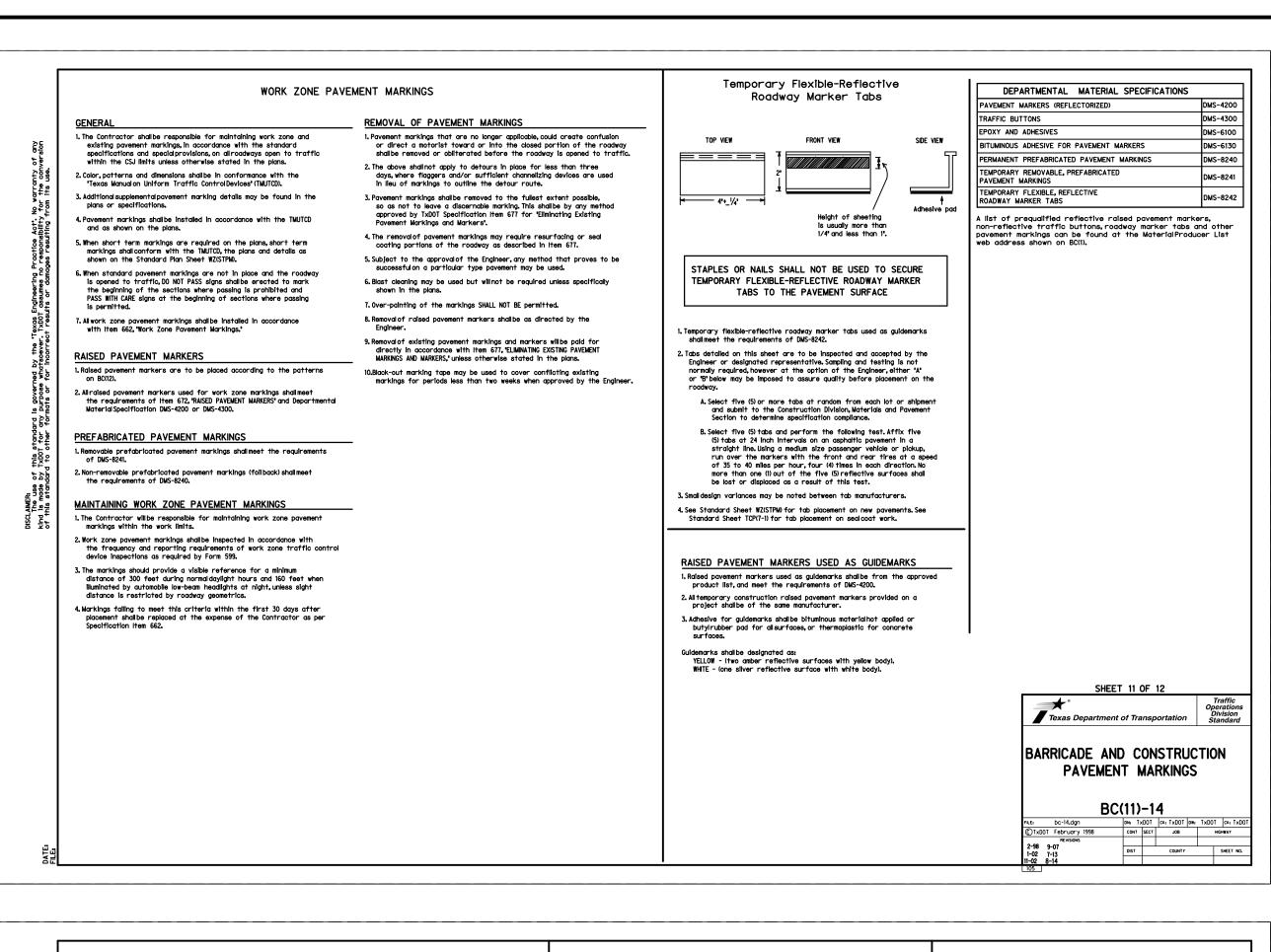
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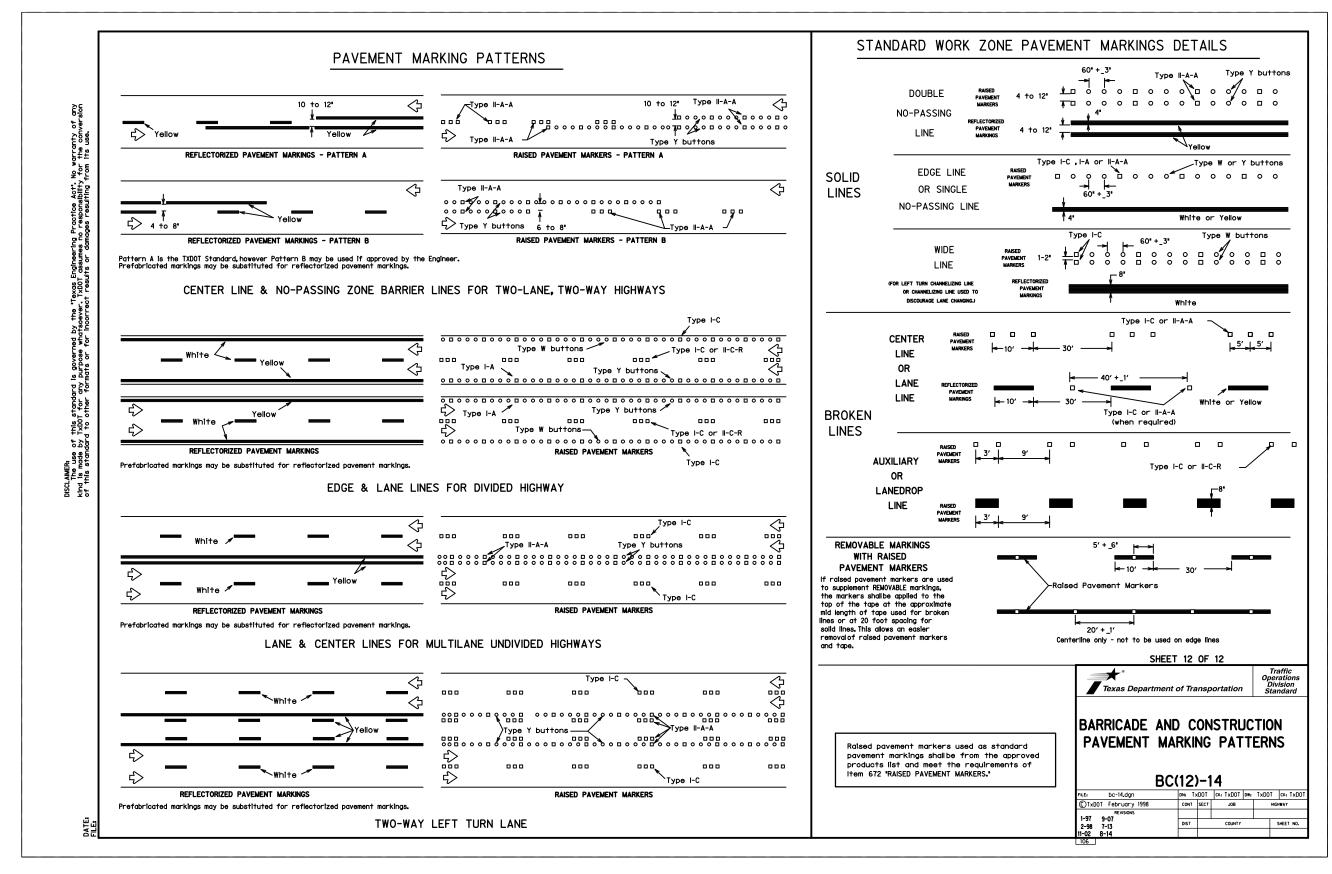
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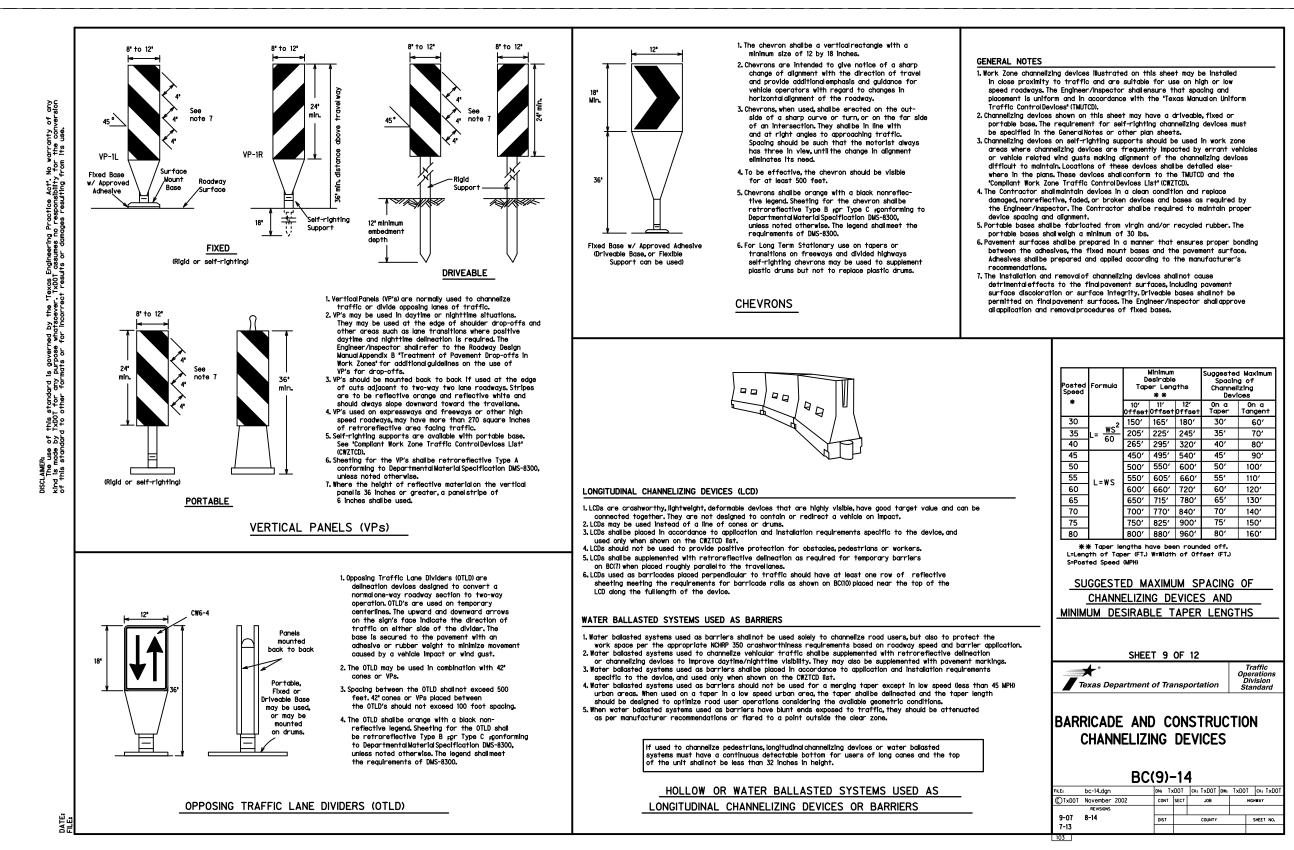
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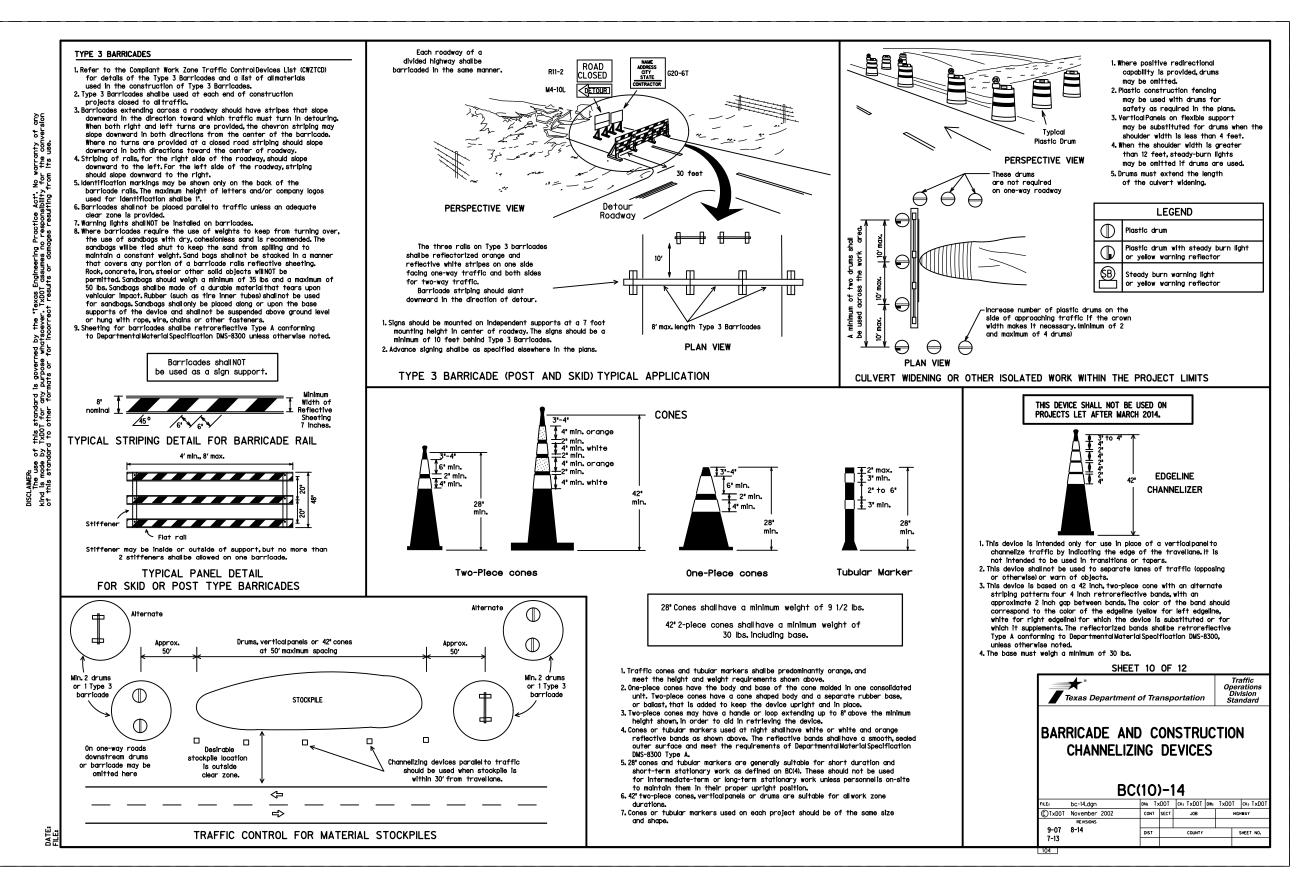
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PUBLIC WORKS TOWN OF HICKORY CREEK

SYCAMORE BEND ROAD FROM TURBEVILLE ROAD TO SYCAMORE BEND PARK

TXDOT DETAILS (SHEET 5 OF 5)

HALFF 4000 FOSSIL CREEK BLVD FORT WORTH, TEXAS 76137-2797 TEL (817) 847-1422 FAX (817) 232-9784 TBPELS Engineering Firm #312

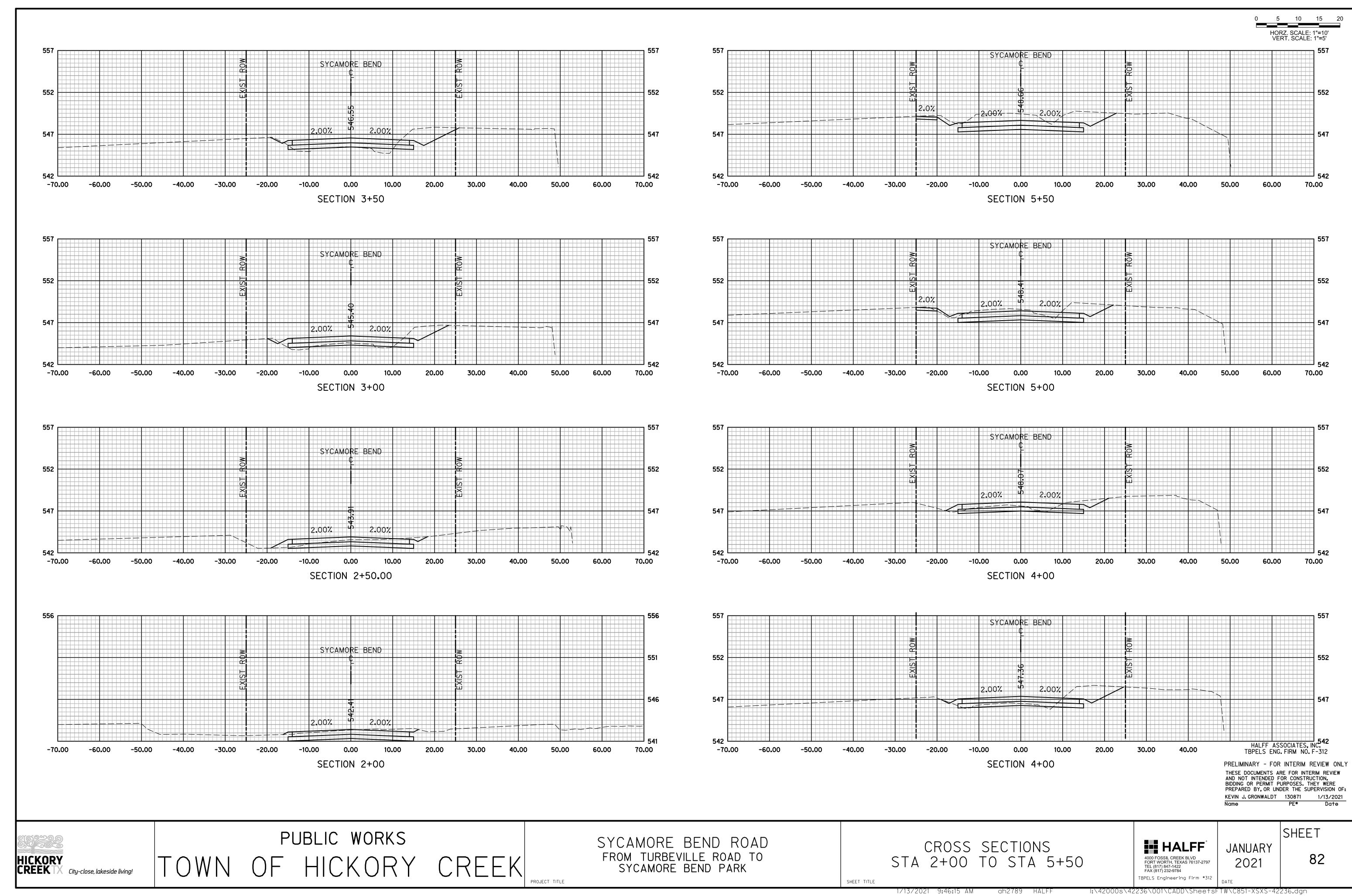
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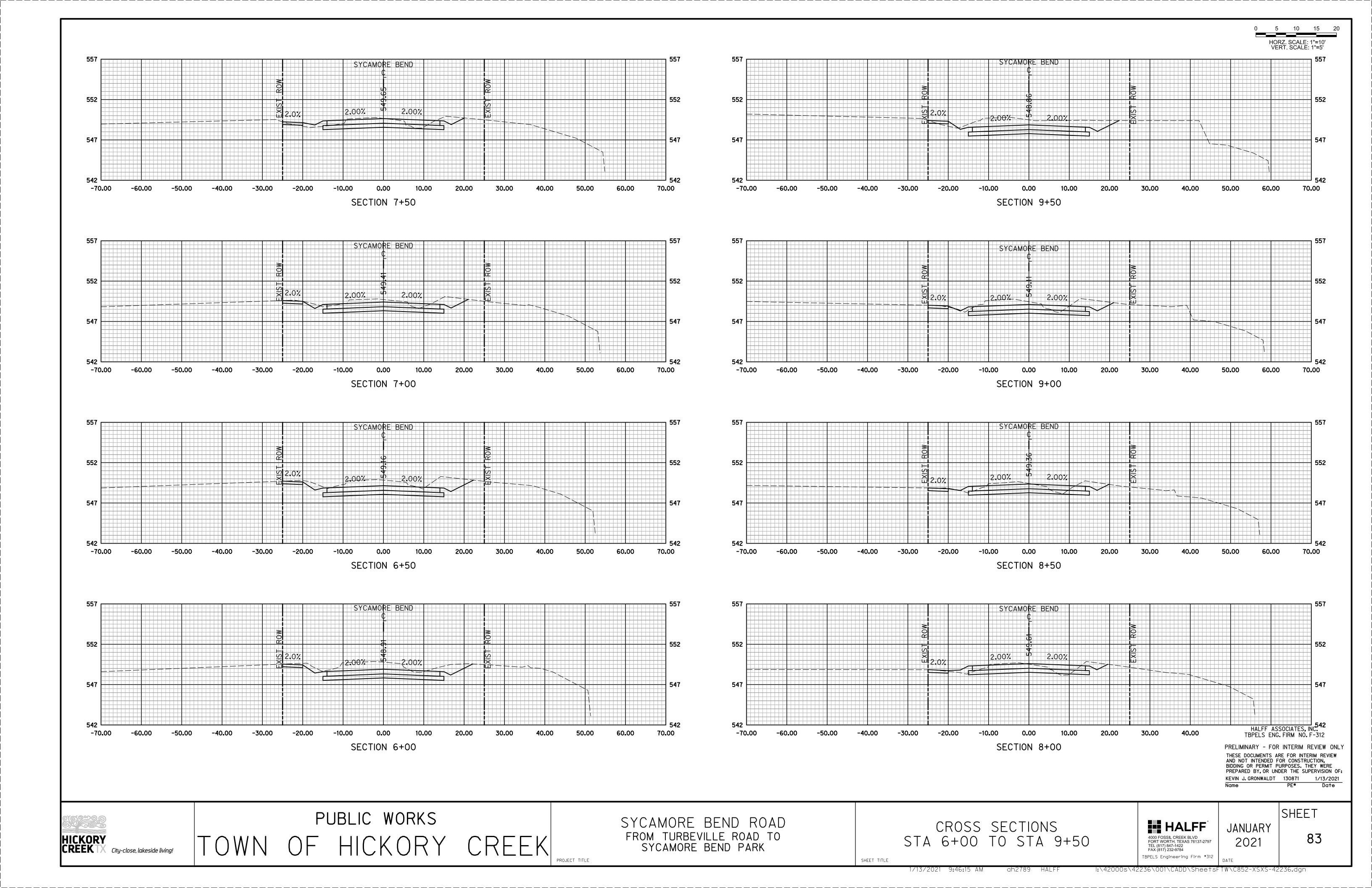
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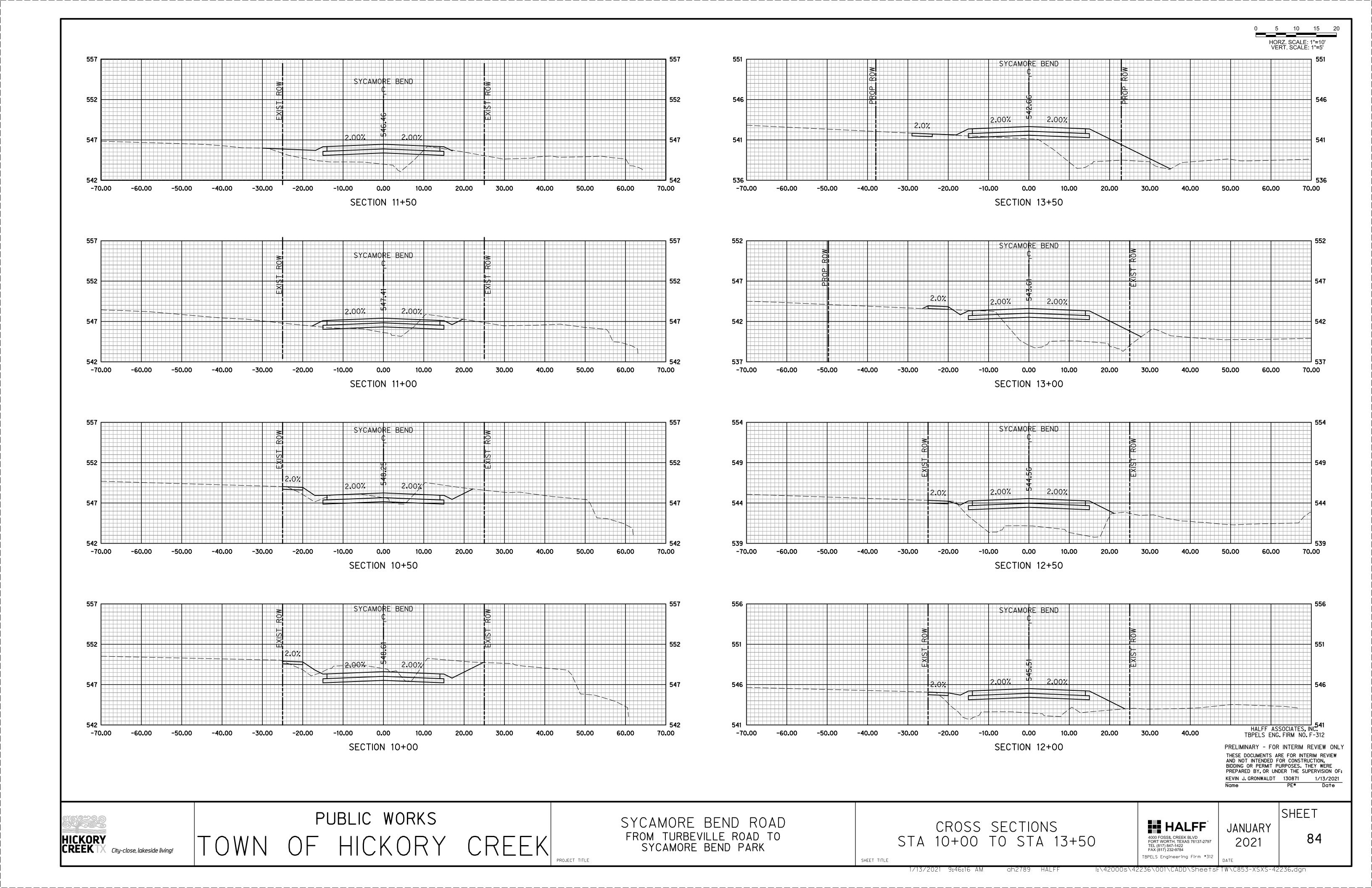
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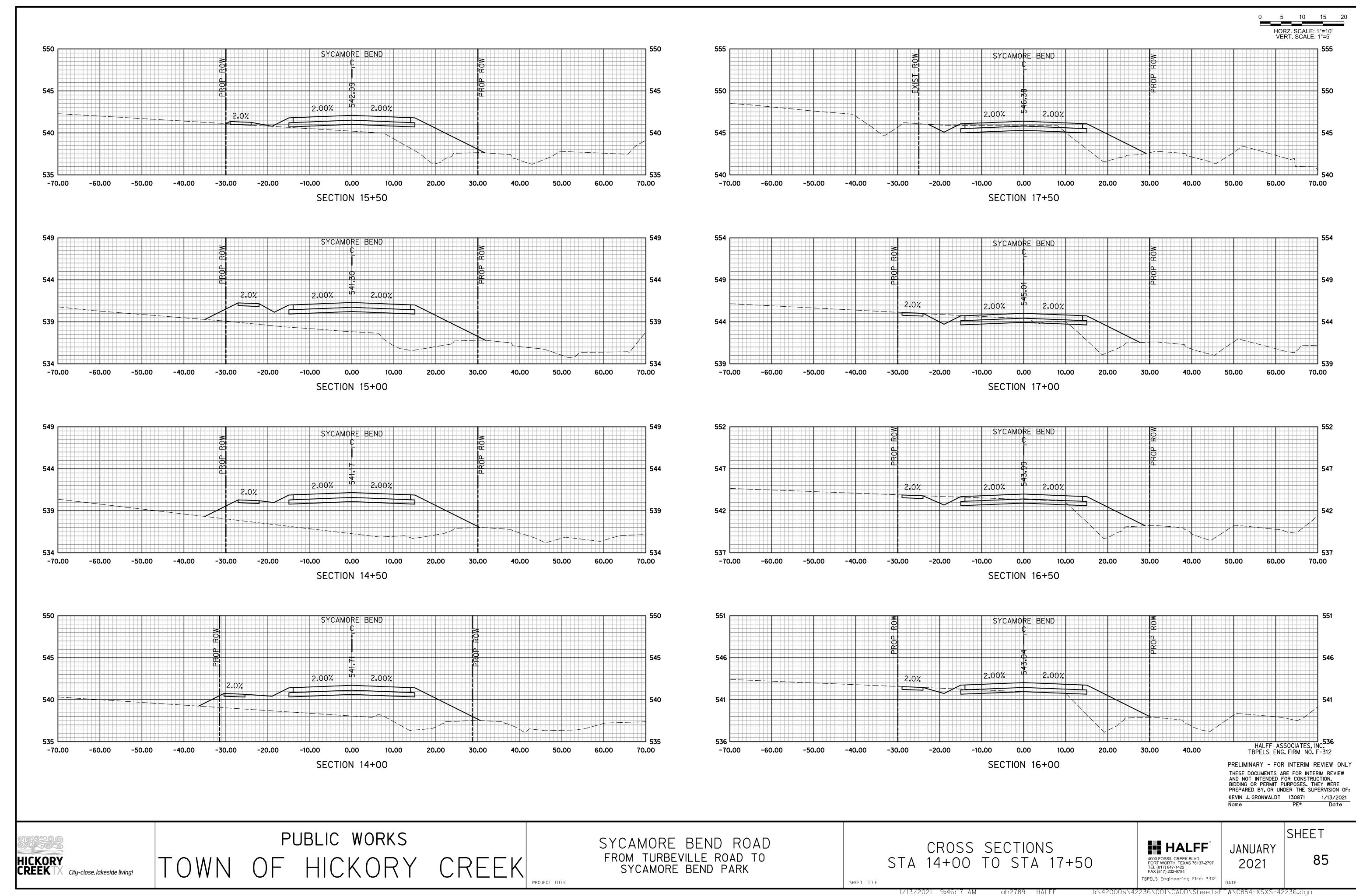
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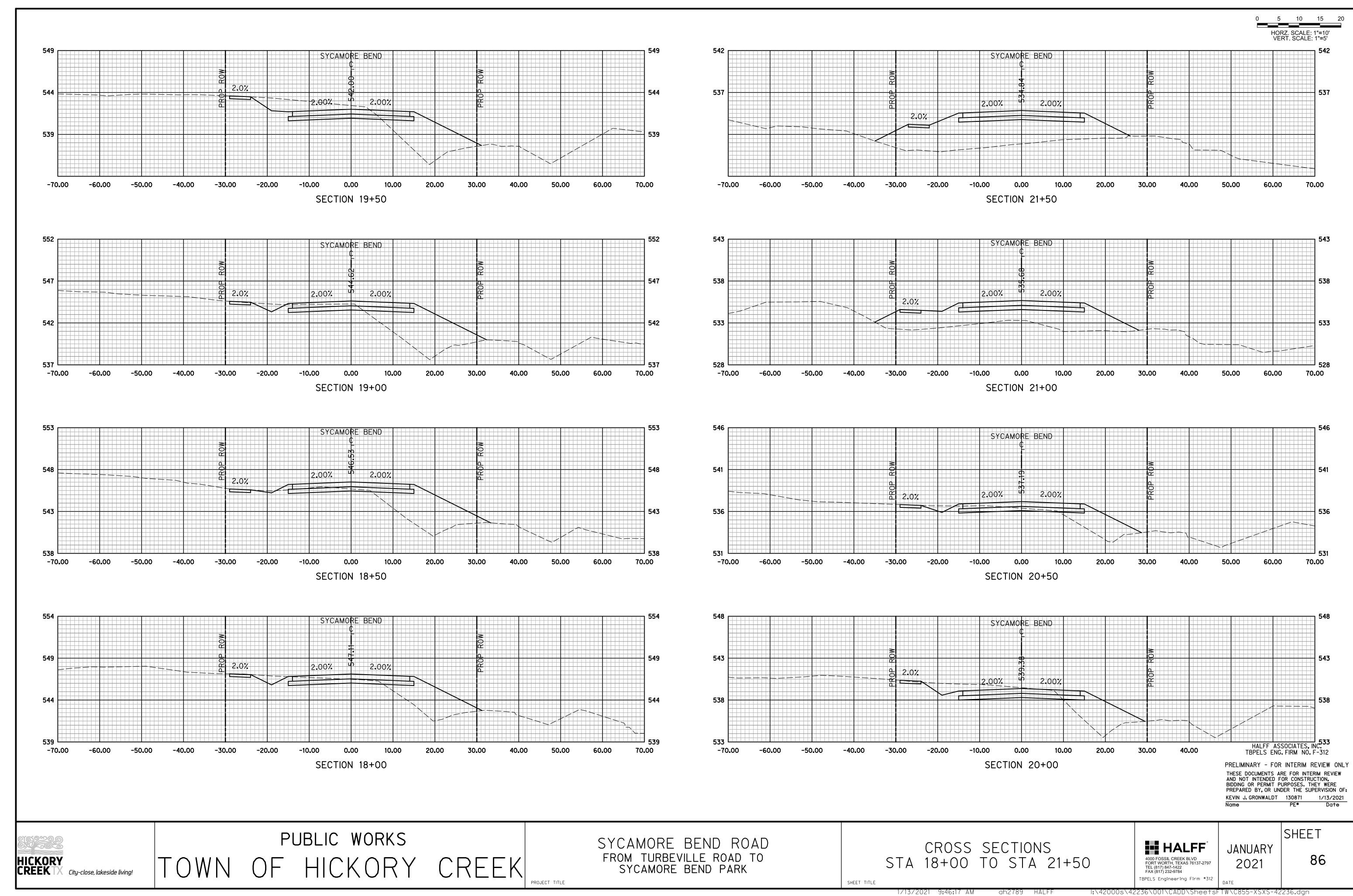
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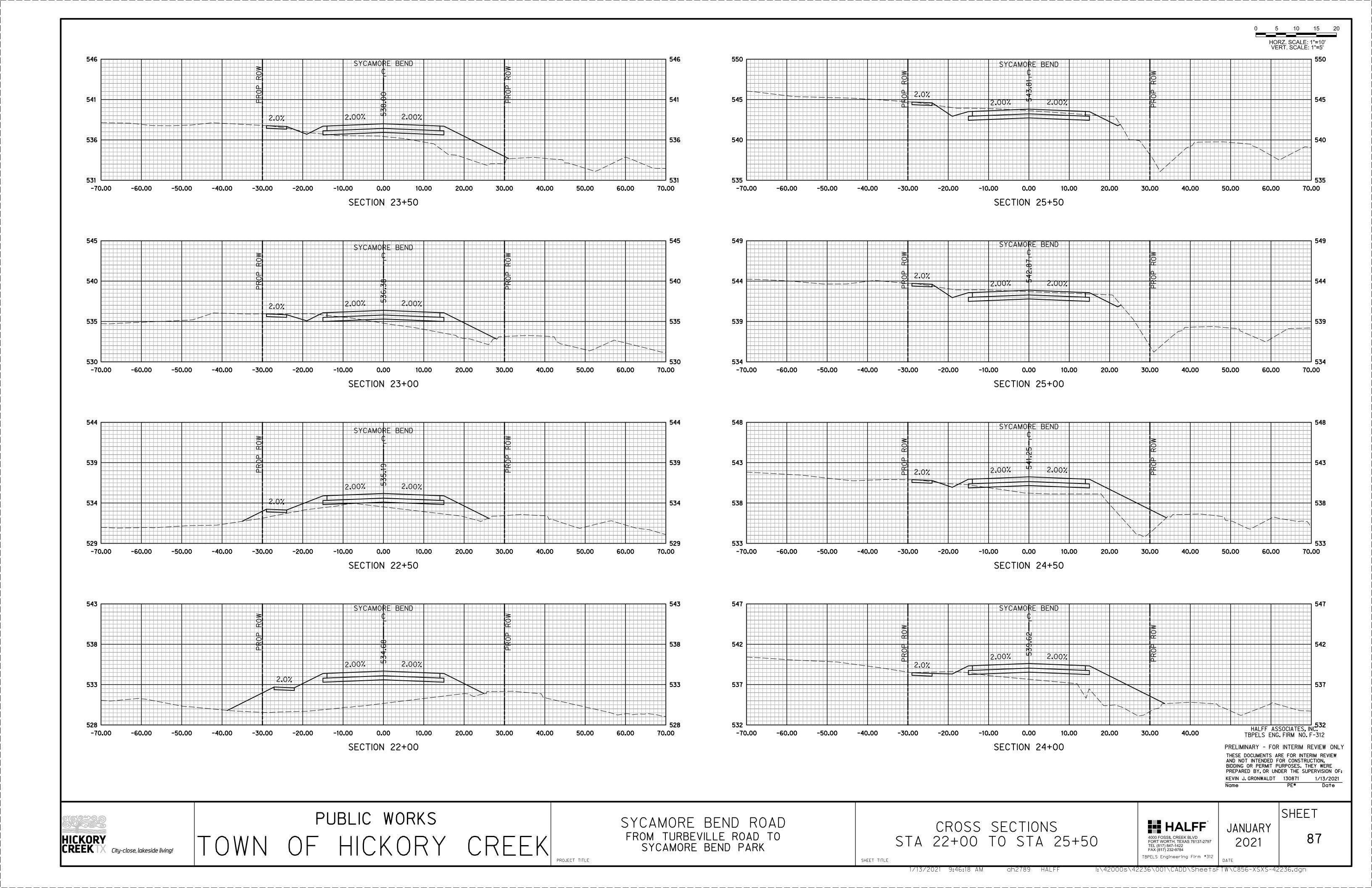


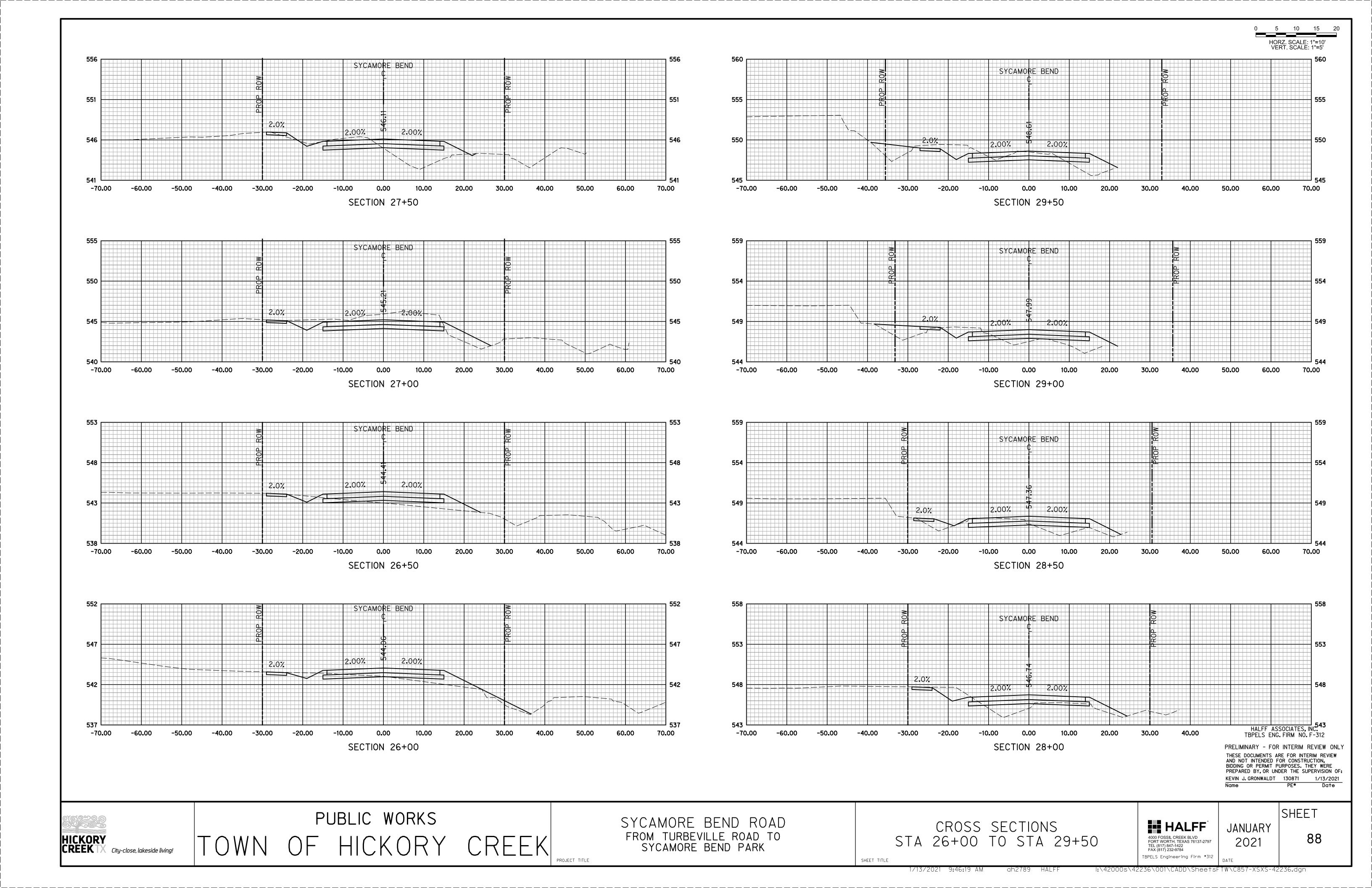


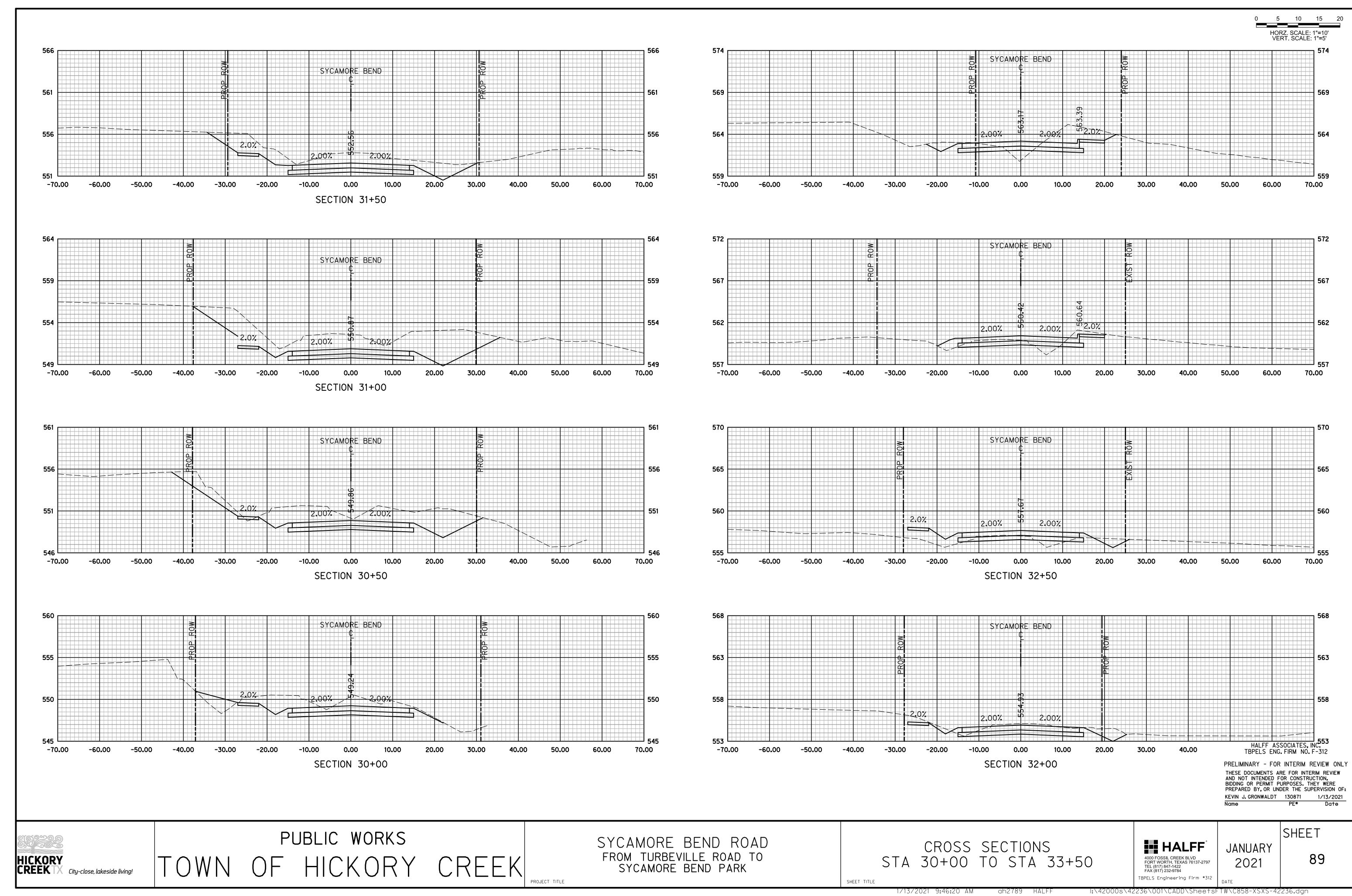


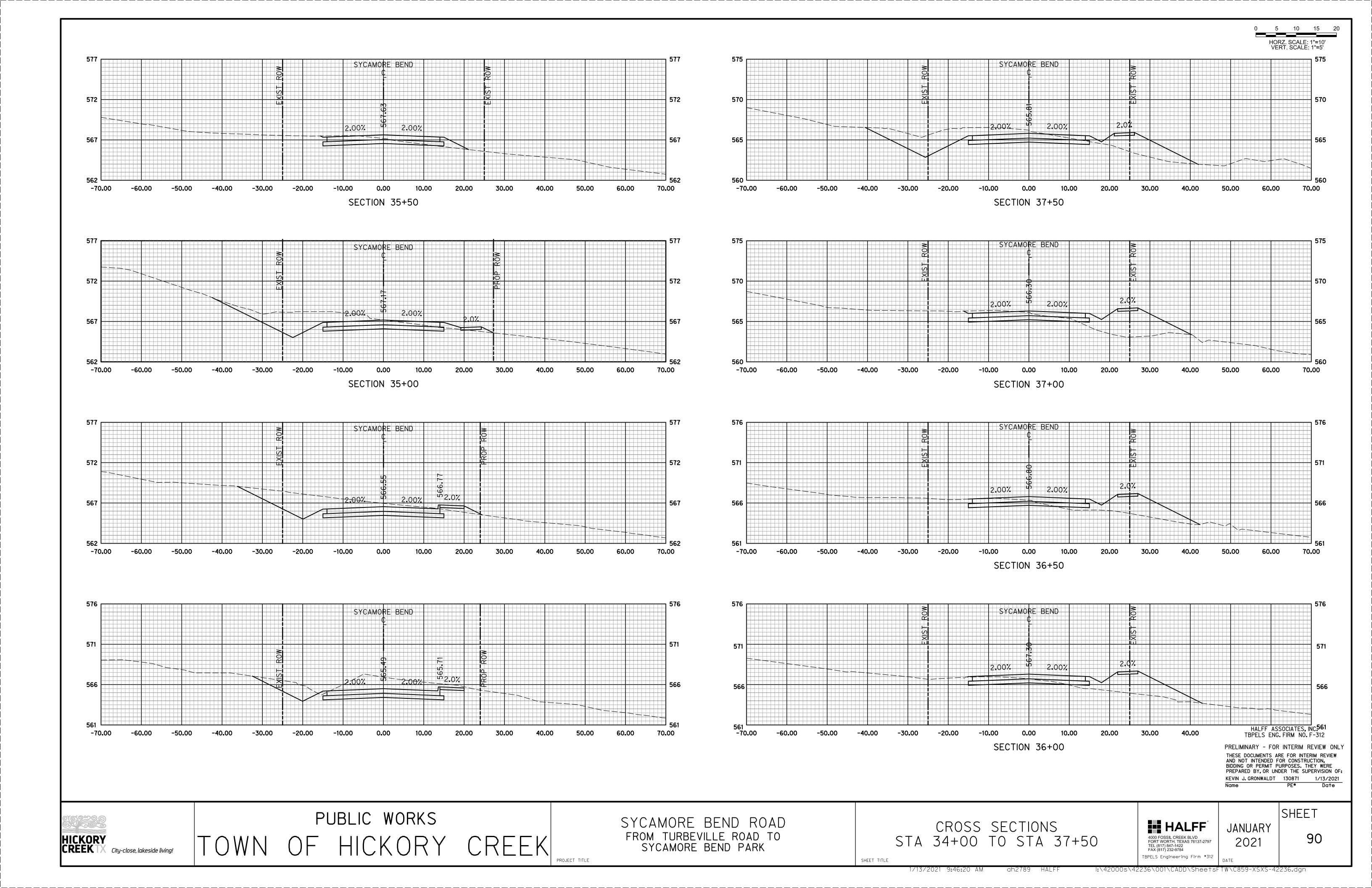


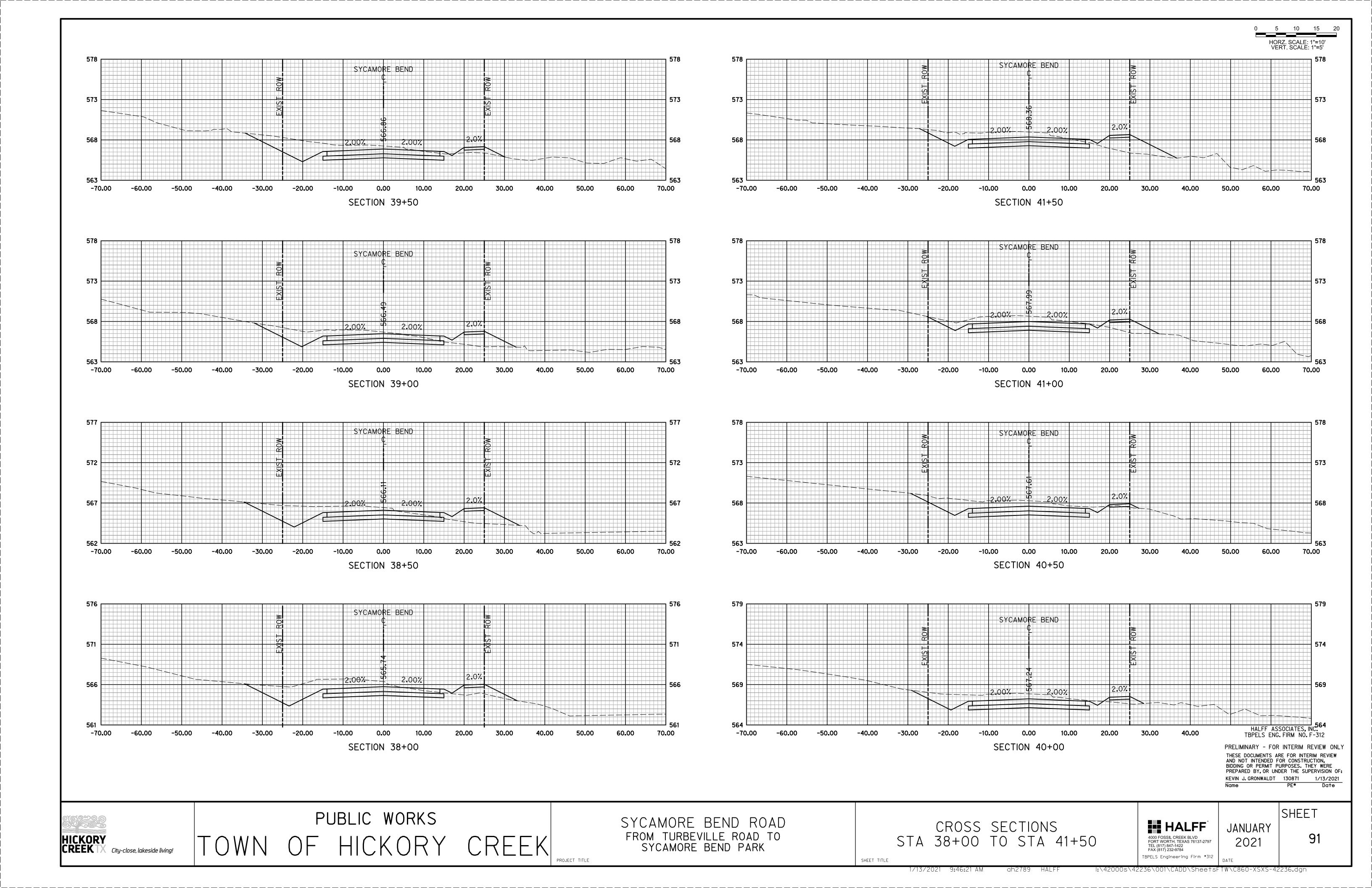
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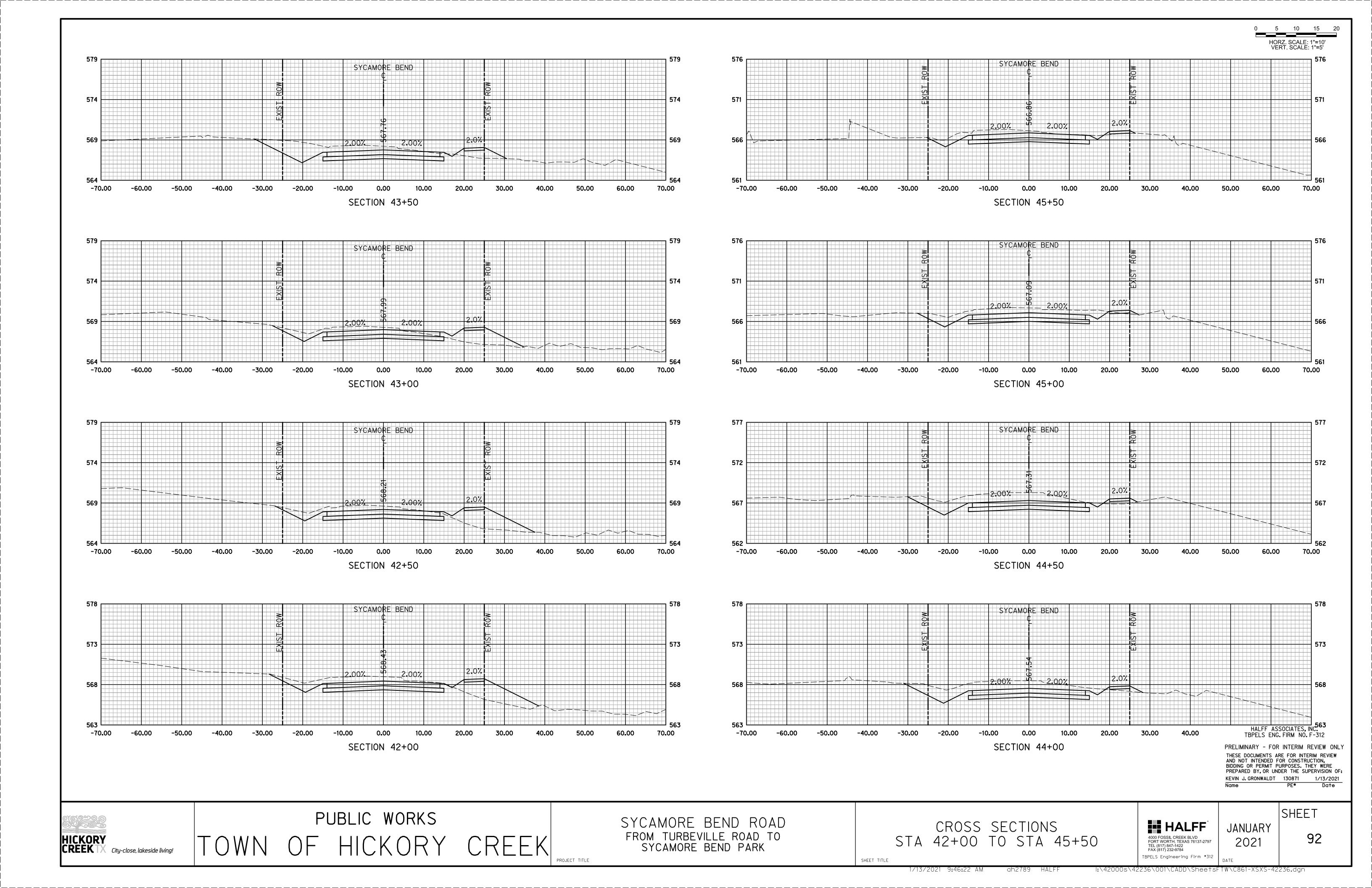


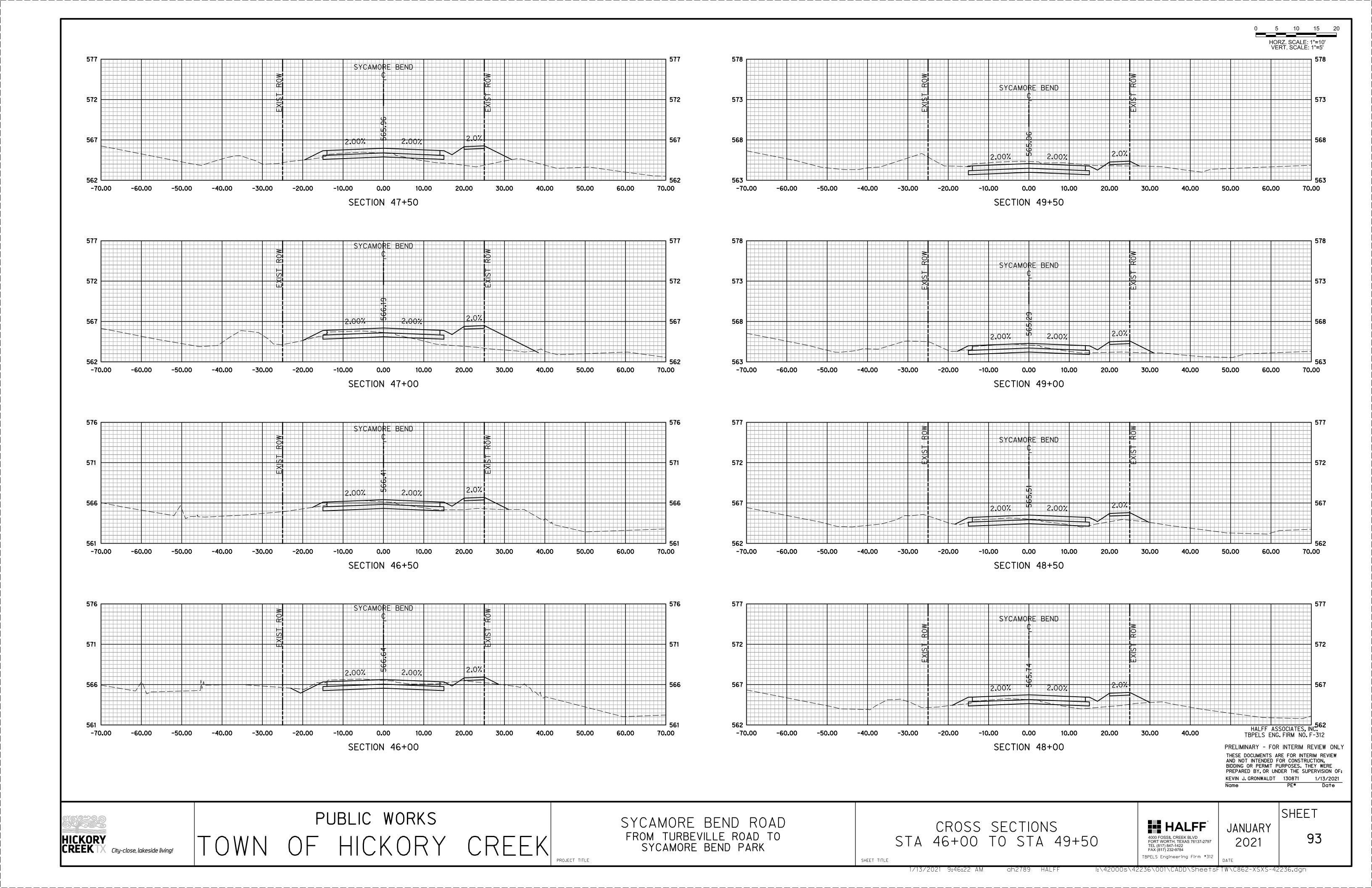


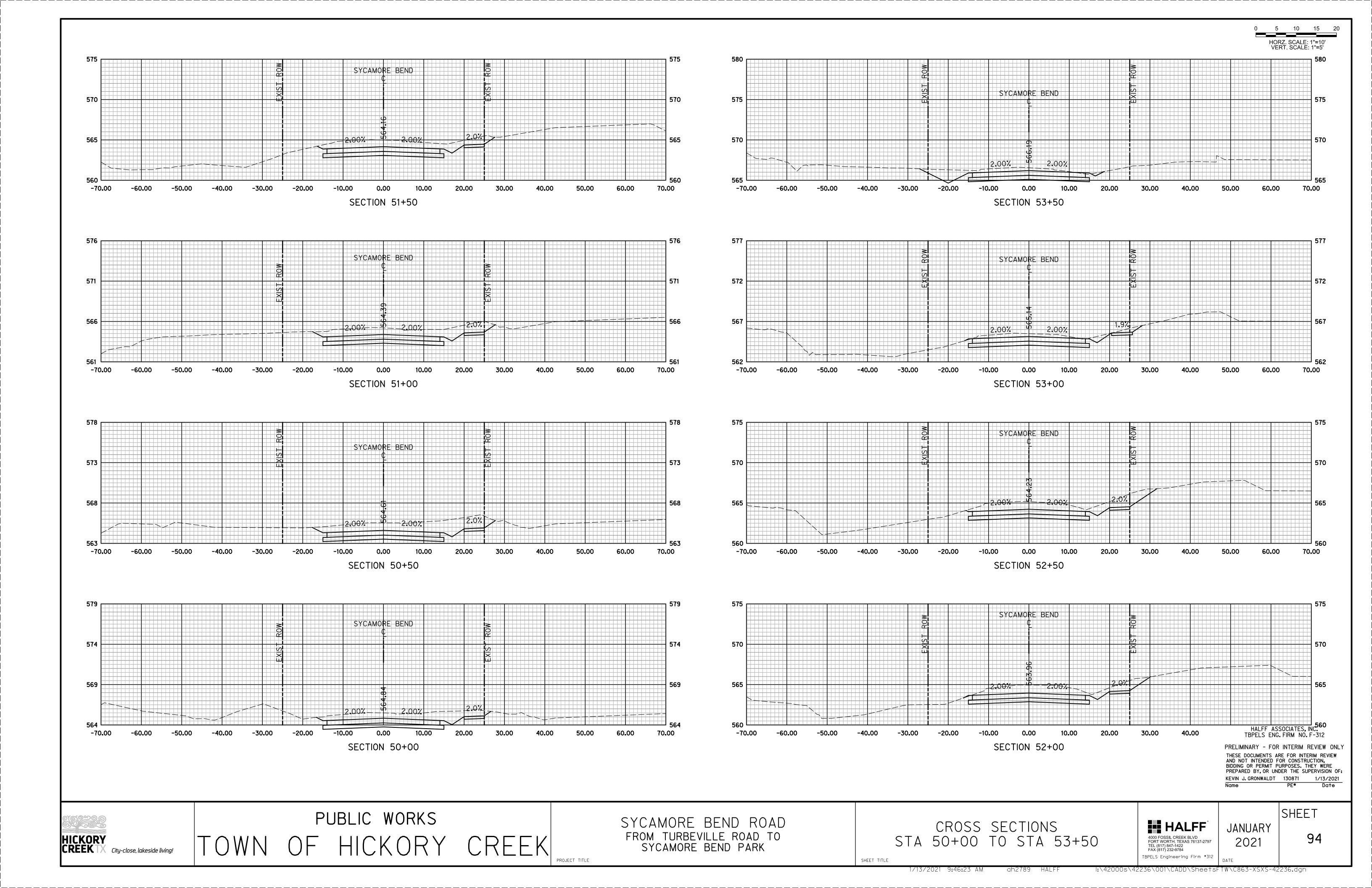


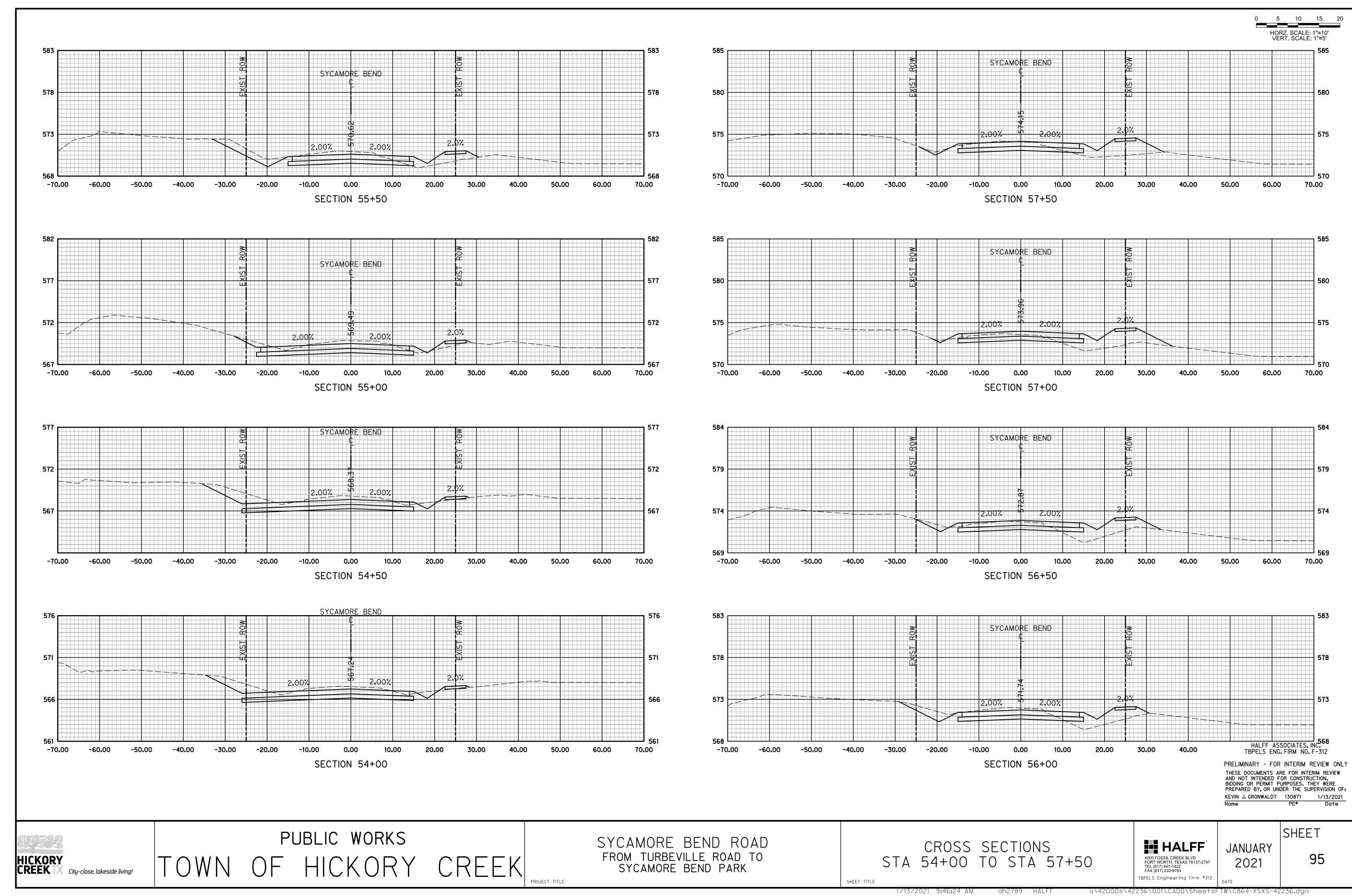


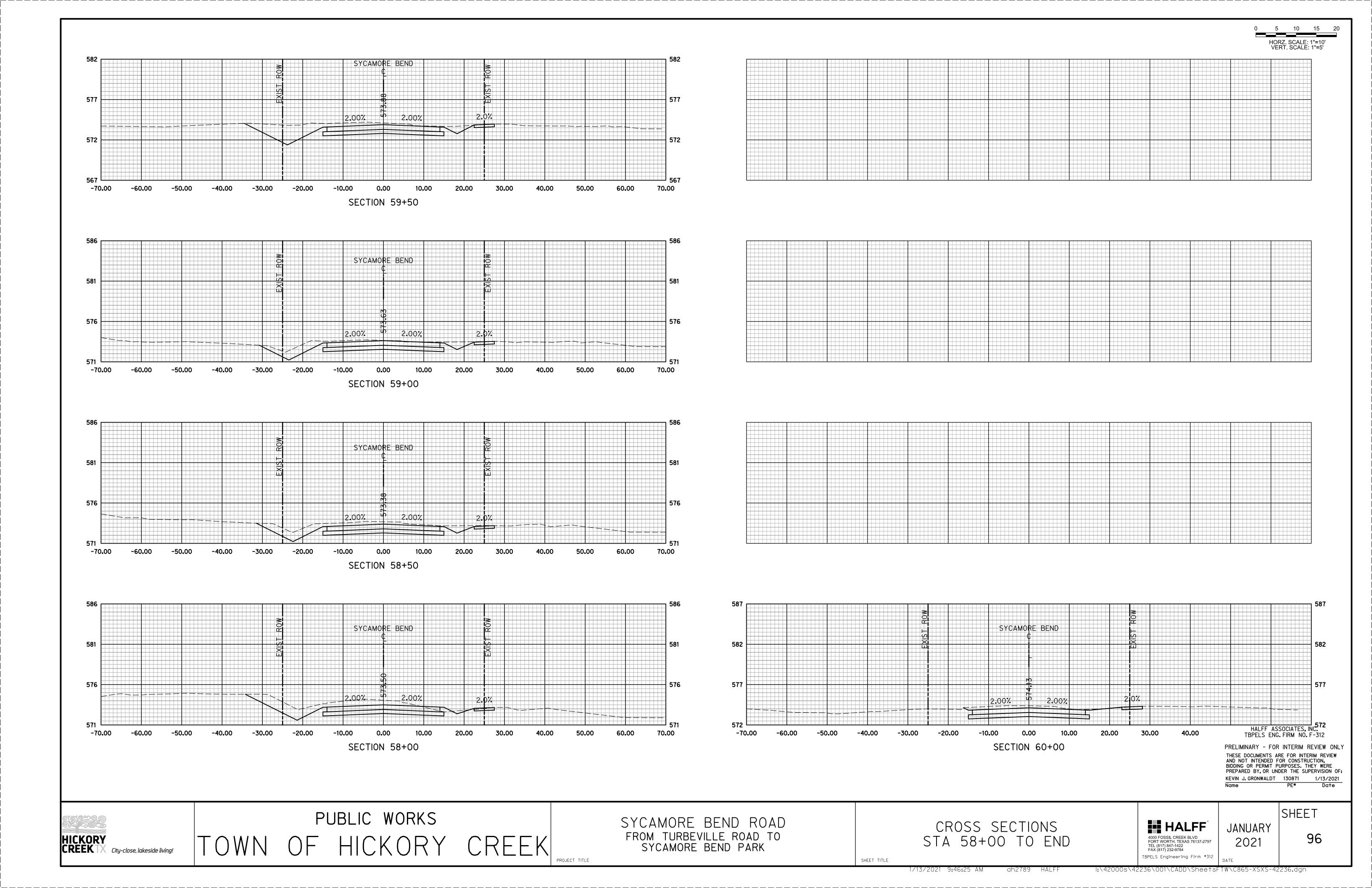


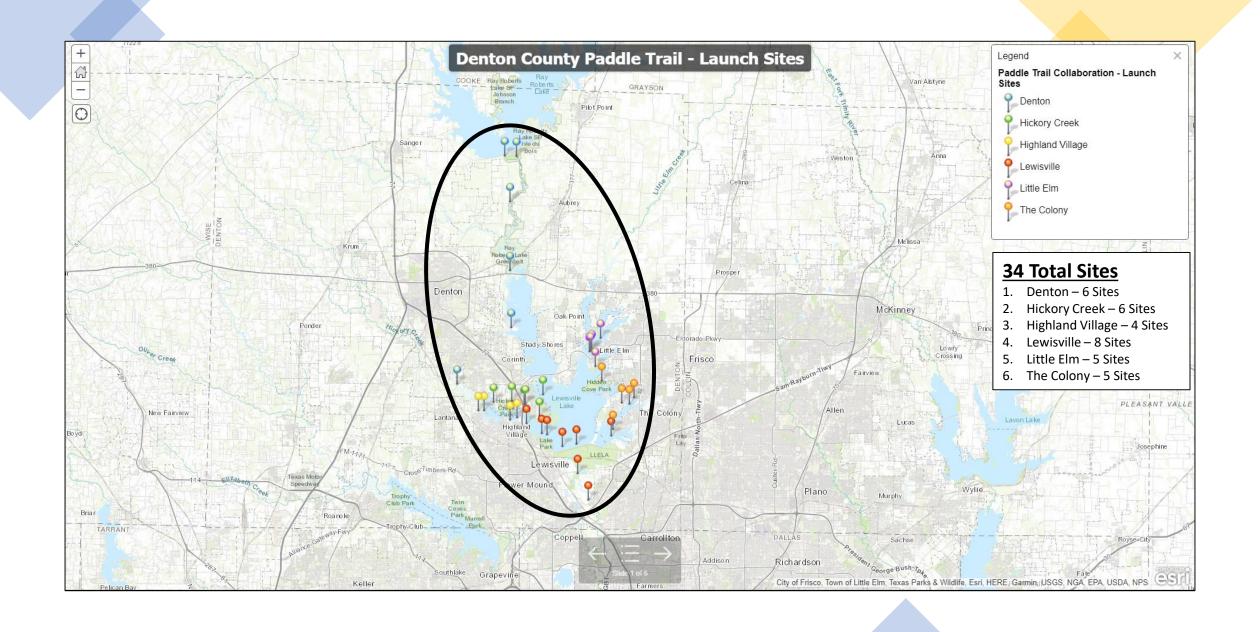


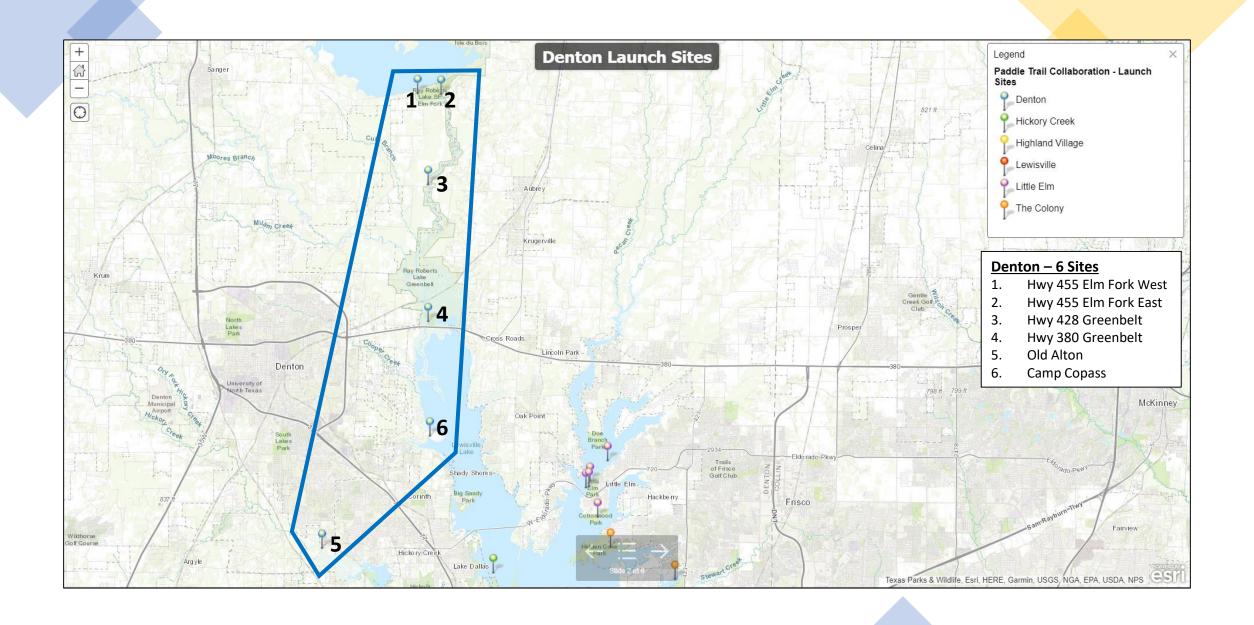


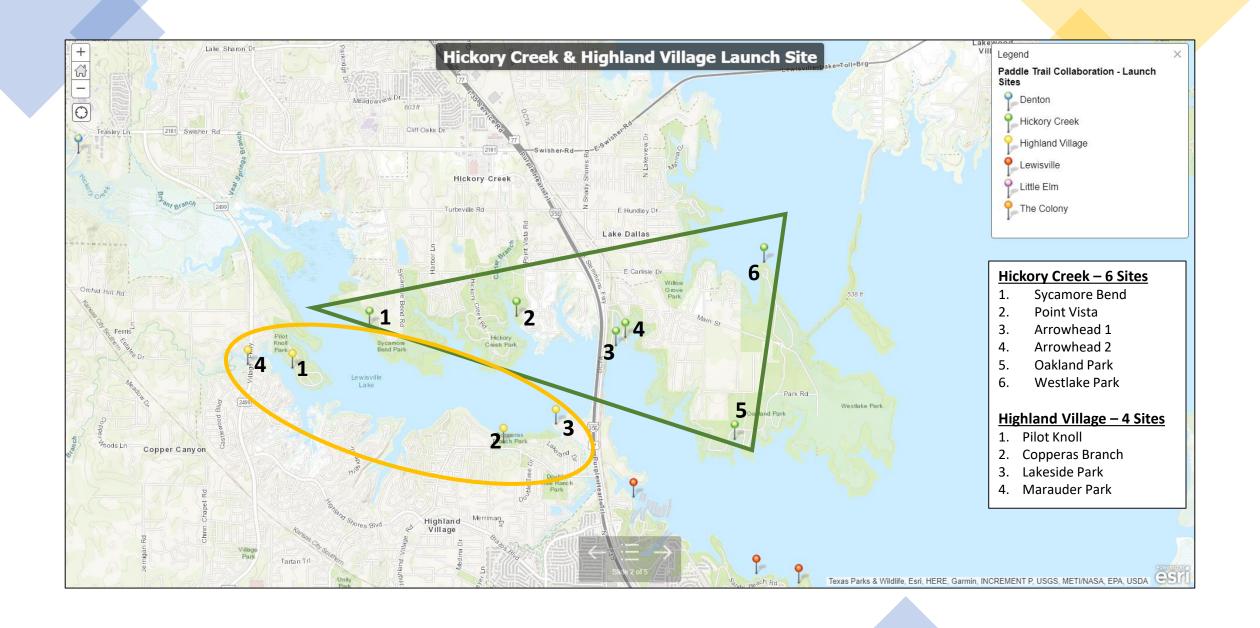


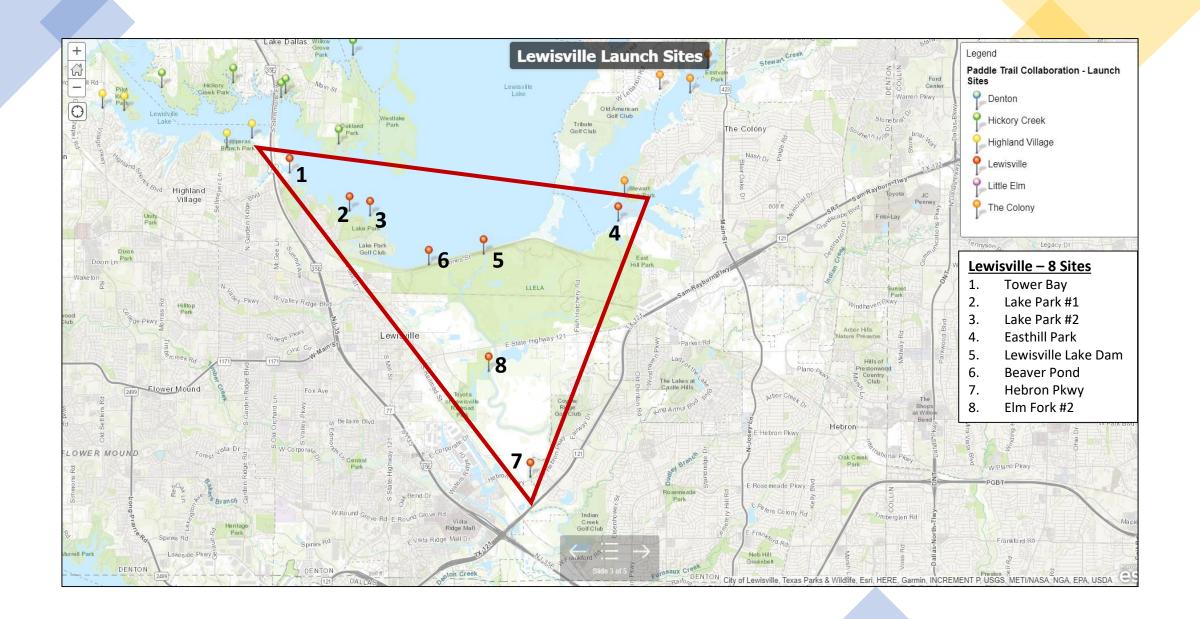




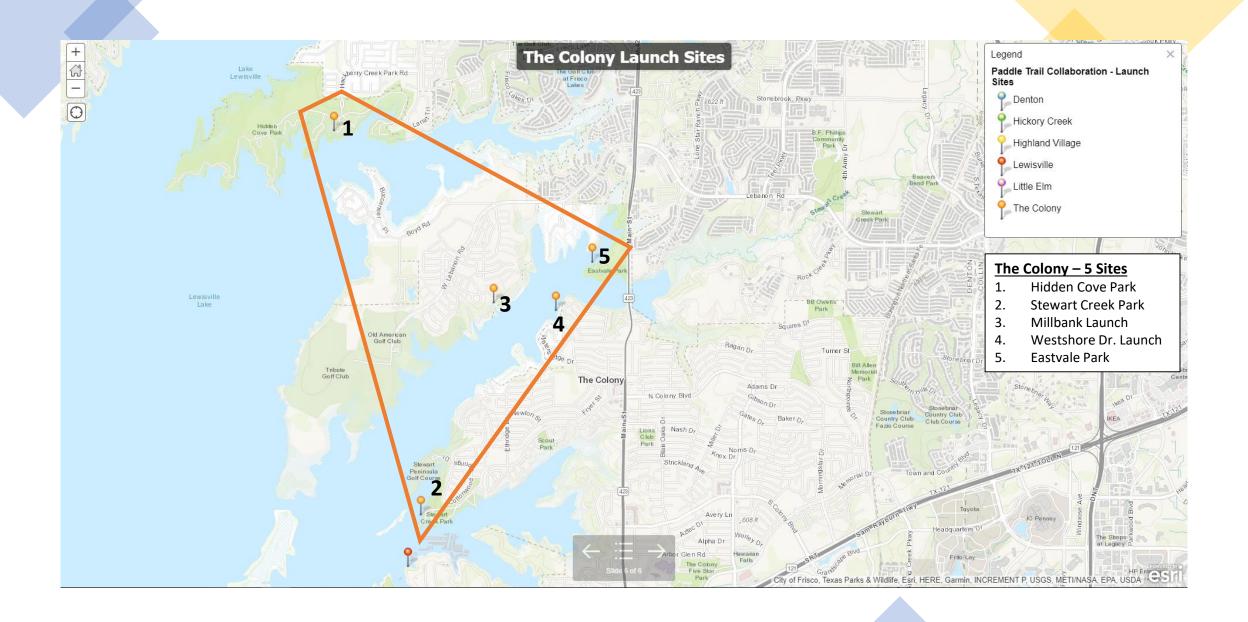












4

BOULDER POINT

SKU: UP-079

Ages: 5-12 years Child Capcity: 20-30 kids

7

Structure Size: 22'7"x 24'7" Use Zone: 34' 7" x 36'7" Fall Height: 72"

2

Total # Activities: 10

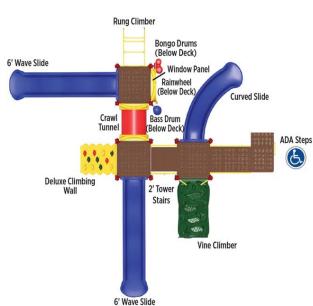
Elevated Accessible Ground Type

3









www.apsplay.com 1.888.935.2112





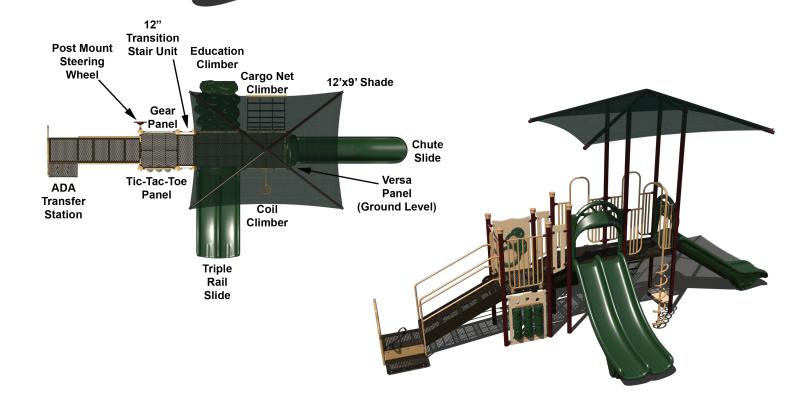
COOPER LAKE

SKU: SRP-0005

•Ages: **2-5 years** •Structure Size: **15' x 30'** •Capacity: **15-25 kids** •Use Zone: **27' x 42'**

•Total # Activities: 8 •Fall Height: 60"





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SHADE STRUCTURES





CEDAR

AQUATIC

BLUE

DESERT SAND

GUN METAL

BLUE



STEEL

GRAY



NAVY BLUE



TURQUOISE





















RIVERGUM

GREEN



BRUNSWICK GREEN



BLACK



















Note: Colors may vary depending on: different types of lighting, computer monitor settings, type of impression or manufacture process.



