Form 2146-L (Rev. 10/11) Page 1 of 1

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 04

1. CONTRACTOR: 3ER Construction Partners,	LLC			CCSJ:	0912-31-305
2. Change Order Work Limits: Sta. 10+70	to	Sta. 25+0	00	Project:	CR 59 Widening
Type of Change (on federal-aid non-exempt p	orojects):	Major	(Major/Minor)	Highway:	CR 59
Describe the change and the reason for the clexceptions to this agreement.	hange order. V	Vhen neces	sary, include	County:	Brazoria
he original drainage outfall channel plans	were created	based on l	LIDAR survey	District:	Houston
data that indicated a 4:1 slope could be ach Brazoria County Drainage District #4 (BDD4 Davement. An investigation by the Enginee that field conditions did not match survey could be slopes are steeper than 4:1. A redesign	nieved. This is) can maintain er of Record (E data and pave	the maxim n without r OR) and CI ement is ne	num slope that need for El staff showed reded because	Contract Number:	STP 1702(438) MM
New or revised plan sheet(s) are attached and	I numbered: 1	167 & 168,	190, 191, 192		
Each signatory hereby warrants that each has					
By signing this change order, the contractor agrees to wait			The following info	rmation must be	provided
laims for additional compensation due to any and all othe idditional changes for time, overhead and profit; or loss of is a result of this change. Further, the contractor agrees th is made in accordance with Item 4 and the Contract. Excep	compensation at this agreement		Time Ext. #: 0	Days adde	d on this C.O.: 0
noted in the response for #5 above.	nions snould be		Amt. added by thi		r: \$233,149.71
			For TxDOT use of	only:	
THE CONTRACTOR Da	ate		Days participating	j :	
Зу			Amount participat	ting:	
yped/Printed Name Andrew Ratliff			Signature		 Date
yped/Printed Title Project Manager					
			Name/Title		
ECOMMENDED FOR EXECUTION: ame/Title			lame/Title APPROVED	☐ REQ	Date UEST APPROVAL
me/Title	Date		lame/Title APPROVED	REQ	
me/Title	Date	N	lame/Title APPROVED	REQ	Date UEST APPROVAL
me/Title	Date	. <u> </u>	lame/Title		Date
ngineer's Seal:					

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 04

Estimated Cost: \$233,149.71

ccsJ: 0912-31-305

Paid by Invoice? (Yes No)

TABLE A: Force Account Work and Materials Placed into Stock

LABOR	HOURLY RATE	EQUIPMENT	HOURLY RATE

TABLE B: Contract Items

				ORIGINAL + PREVIOUSLY REVISED		NEW		OVEDDUNY
ITEM	1 DESCRIPTION UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN	
	TOTAL	S						

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 04

TABLE B: Contract Items (Continued)

ccsJ: 0912-31-305

				ORIGINAL + REV	PREVIOUSLY ISED	NE		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
	The IIT steleli from T-1-1- D-	£ 4h a muand		l				
	The "Totals" from Table B o		is work sneet:					
	101	VES				<u> </u>	I	l

Brazoria County Engineering Construction Change Order No.

			Co	Instruction Chai	nge c	raer No	. 4			
PROJECT INF	ORMATIO	N:			DES	CRIPTION	OF REVIS	ED WORK	<u>:</u>	
PROJECT N	0:	0912-	31-305			_				ted based on
AWARD AN	10UNT:	\$		14,051,693.00						achieved. This is
PROJECT:		CR 59	from CR	48 to Kirby Dr.		naxımum slo _l naintain with			_	strict #4 (BDD4)
WORK LIMI	TS:	Drain	age Outf	all Channel Area		ved the Con	•	•		•••
CONTRACT	OR:	SER C	onstruct	ion Partners, LLC						nvestigation by
NEW/REVISE	D PLAN SI	HEETS ATTA	CHED/N	UMBERED:	the E	ngineer of Re	cord (EOR)	and CEI staf	f showed the	at field
								,		quent analysis
167 & 168, 190 - 192								•		ved, requiring
							•			n the N. side Sta. 22+00 to
					ľ				-	ecember 2023.
CHANGE IN C	CONTRACT	AMOUNT:				NGE IN CO			,	
PREVIOUS	TOTAL COI	NTRACT AM	Г:	\$ 14,078,808.24	OR	RIGINAL CO	NTRACT	TIME:	C	days
CHANGE D	UE TO THIS	S C.O.:		\$233,149.71	PR	EVIOUS CL	JMULATI	/E CHANG	E: (days
TOTAL CON	ITRACT AN	ΛT:		\$ 14,311,957.95	СН	ANGE DUI	TO THIS	C.O.:	(days
TOTAL CUN	NULATIVE	% CHANGE:		1.85%	TO	TAL CONT	RACT TIM	IE:	(days
										·
				ition as a result of this chu n authorized representati	-	e organizatio				
			that are an	-	ve for th	e organization		County Pro	ject Mgr	Date
By signing below,	. each signer is	s acknowledging	, that are an	n authorized representati	ve for th	-				Date Date
By signing below, Contractor	. each signer is	Date Date	, that are an	Design Engineer/Mgr	ve for th	Date Date		County Pro		
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr	ve for th	Date Date	n involved." QTY TO	County Pro	chasing Dir	Date AMOUNT THIS
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	chasing Dir NEW QUANTITY	Date AMOUNT THIS C.O. \$ 233,149.71
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	chasing Dir NEW QUANTITY 1.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	NEW QUANTITY 1.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	NEW QUANTITY 1.00 0.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	NEW QUANTITY 1.00 0.00 0.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	NEW QUANTITY 1.00 0.00 0.00 0.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	Chasing Dir NEW QUANTITY 1.00 0.00 0.00 0.00 0.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	NEW QUANTITY 1.00 0.00 0.00 0.00 0.00 0.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	NEW QUANTITY 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -
Contractor County Constru	each signer is	Date Date	n that are an	Design Engineer/Mgr County Engineer	UNIT	Date Date UNIT PRICE	QTY TO DATE	County Pur County Pur QUANTITY THIS C.O.	Chasing Dir NEW QUANTITY 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Date AMOUNT THIS C.O. \$ 233,149.71 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -

*New Items added by this C.O. TOTAL CHANGE ORDER AMOUNT \$ 233,149.71

0.00 \$ 0.00 \$ 0.00 \$



March 22, 2024

Mr. Brendon Bailey, P.E. HR Green, Inc. 11011 Richmond Ave, Suite 200 Houston, TX 77042 **Andrew Ratliff** Project Manager

281.932.4198 Cell 713.473.7900 Office 713.473.7919 Fax andrew@serconstruction.net

Reference: CR 59 Widening from Kirby Drive to CR 48

CSJ 0912-31-305

CHANGE ORDER REQUEST – Concrete Riprap Along Drainage Ditch (Revised)

Dear Mr. Bailey,

Subsequent to the installation of the outfall drainage ditch, several meetings between representatives of the design engineer, Brazoria County, and SER were held to address maintenance concerns for the North slope of the drainage easement ditch, and for a section of the south slope of the ditch. As per the attached drawings, it has been determined necessary to install 4" concrete riprap with toe walls and weep holes on the subject ditch slopes. Since this work differs significantly from the original planned concrete riprap work, which consisted of roadway median riprap and soundwall riprap, SER respectfully requests revised consideration for this added work.

As per the attached price support information, the item and quantity involved are as follows:

ITEM NO	DESCRIPTION	UNIT	QUANTITY	PRICE	TOTAL
NEW	RIPRAP (CONC)(4 IN)	CY	365	\$638.77	\$233,149.71
				TOTAL	\$233,149.71

Please initiate a change order to add the subject work and forward it to me for further processing. Since the project is nearing completion, it is requested that this change order be expedited.

If there are any questions or if additional information is needed, please call me at (281) 932-4198.

Sincerely,

Andrew Ratliff Project Manager

RLS Attachments

Riprap Slope Paving		365	CY							
Description		Unit Price	Unit	Qty.	Total Hours	OT Factor		Cost & Markup		Price Summary
Labor										
Foreman	\$	50.00	HR	1	200	1	\$	10,000.00		
Operator - Excavator	\$	26.00	HR	2	200	1	\$	10,400.00		
Concrete Finisher	\$	21.00	HR	1	200	1	\$	4,200.00		
Formsetter	\$	21.00	HR	2	200	1	\$	8,400.00		
General Laborer	\$	19.00	HR	4	200	1	\$	15,200.00		
Sub-total							\$	48,200.00		
Labor Mark-up (25%)							\$	12,050.00		
Burden (55%)							\$	26,510.00		
Total Labor									\$	86,760.00
Equipment										
Pick-Up Truck	\$	38.98	HR	1	200		\$	7,796.00		
CAT 308 Excavator	\$	100.34	HR	1	100		\$	10,034.00		
CAT D3 Dozer	\$	171.26	HR	1	100		\$	17,126.00		
CAT 303 Excavator	\$	52.41	HR	1	100		\$	5,241.00		
Generator	\$	4.42	HR	1	200		\$	884.00		
Concrete Vibrator	\$	1.43	HR	1	200		\$	286.00		
Sub-total Equipment							\$	41,367.00		
Equipment Mark-up (15%)							\$	6,205.05		
Total Equipment							Ť	3,=3333	\$	47,572.05
Material										
Forms	\$	0.70	LF	556.00			\$	389.20		
Chairs	\$	0.25	EA	1,604.00			\$	401.00		
Rebar	\$	0.78	LBS	20,475.00			\$	15,970.50		
Concrete	\$	144.50	CY	365.00			\$	52,742.50		
Cure	\$	2.29	GAL	80.00			\$	183.20		
Weep Hole Material	\$	25.00	EA	111.00			\$	2,775.00		
Cub total Matarial								72,461.40		
Sub-total Material Material Mark-up (25%)							\$ \$	18,115.35		
Total Material							Ψ	10,115.55	\$	90,576.75
Subcontractor									•	,
Hauling	\$	50.00	HR	113.00			\$	5,650.00		
Trading	Ψ	30.00	TIIX	113.00			Ψ	3,000.00		
Sub-total Subcontractor							\$	5,650.00		
Subcontractor Mark-Up (5%)							\$	282.50		
Total Subcontractor							7		\$	5,932.50
Sub-Total Cost								Total	\$	230,841.30
Bond (1%)								\$2,308.41		
Total Additional Cost								Total	\$	233,149.71



All prices shown in US dollars (\$)

Rental Rate Blue Book® December 14, 2023

Ford F-250

On-Highway Light Duty Trucks

Size Class: 300 hp & Over Weight: N/A



Configuration for F-250

Axle Configuration 4.0 X 4.0 Cab Type Crew
Horsepower 385.0 hp Power Mode Gasoline
Ton Rating 3.0 / 4.0

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	.,	-, ,					
	Estimated Operating Costs	FHWA Rate**					
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly	
Published Rates	USD \$990.00	USD \$280.00	USD \$70.00	USD \$11.00	USD \$33.30	USD \$38.92	
Adjustments							
Region (Texas: 101%)	USD \$9.90	USD \$2.80	USD \$0.70	USD \$0.11			
Model Year (2021: 99.95%)	(USD \$0.53)	(USD \$0.15)	(USD \$0.04)	(USD \$0.01)			
Adjusted Hourly Ownership Cost (100%)	-	-	-				ı
Hourly Operating Cost (100%)					-		
Total:	USD \$999.37	USD \$282.65	USD \$70.66	USD \$11.10	USD \$33.30	USD \$38.98	

Non-Active Use Rates Hourly

Standby Rate USD \$4.43 tdling Rate USD \$33.97

Rate Element Allocation

Revised Date: 4th quarter 2023

Element	Percentage	Value
Depreciation (ownership)	56%	USD \$554.40/mo
Overhaul (ownership)	22%	USD \$217.80/mo
CFC (ownership)	10%	USD \$99.00/mo
Indirect (ownership)	12%	USD \$118.80/mo
Fuel (operating) @ USD 3.87	84.95%	USD \$28.29/hr

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.



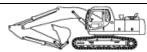
All prices shown in US dollars (\$)

Rental Rate Blue Book® December 14, 2023

Caterpillar 308 CR

Crawler Mounted Hydraulic Excavators

Size Class: 6.5 - 8.4 m Weight:



Configuration for 308 CR

Operating Weight 17730.0 lbs Power Mode Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

		Ownership C	osts		Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$12,015.00	USD \$3,365.00	USD \$840.00	USD \$125.00	USD \$31.98	USD \$100.25
Adjustments						
Region (Texas: 100.2%)	USD \$24.03	USD \$6.73	USD \$1.68	USD \$0.25		
Model Year (2021: 99.94%)	(USD \$6.89)	(USD \$1.93)	(USD \$0.48)	(USD \$0.07)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$12,032.14	USD \$3,369.80	USD \$841.20	USD \$125.18	USD \$31.98	USD \$100.34

Non-Active Use RatesHourlyStandby RateUSD \$38.97Idling RateUSD \$68.36

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	USD \$3,964.95/mo
Overhaul (ownership)	43%	USD \$5,166.45/mo
CFC (ownership)	15%	USD \$1,802.25/mo
Indirect (ownership)	9%	USD \$1,081.35/mo

Fuel cost data is not available for these rates.

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.



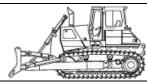
All prices shown in US dollars (\$)

Rental Rate Blue Book® December 14, 2023

Caterpillar D3

Standard Crawler Dozers

Size Class: 85 - 104 hp Weight: N/A



Configuration for D3

 Dozer Type
 Crawler
 Horsepower
 104 hp

 Operator Protection
 ROPS/FOPS
 Power Mode
 Diesel

Blue Book Rates

 ** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

		Ownership	Costs		Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$18,990.00	USD \$5,320.00	USD \$1,330.00	USD \$200.00	USD \$63.39	USD \$171.29
Adjustments						
Region (Texas: 100.1%)	USD \$18.99	USD \$5.32	USD \$1.33	USD \$0.20		
Model Year (2020: 99.88%)	(USD \$23.65)	(USD \$6.62)	(USD \$1.66)	(USD \$0.25)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$18,985.34	USD \$5,318.70	USD \$1,329.67	USD \$199.95	USD \$63.39	USD \$171.26

Non-Active Use Rates
Standby Rate
USD \$51.78
Idling Rate
USD \$118.89

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	24%	USD \$4,557.60/mo
Overhaul (ownership)	52%	USD \$9,874.80/mo
CFC (ownership)	14%	USD \$2,658.60/mo
Indirect (ownership)	10%	USD \$1,899.00/mo
Fuel (operating) @ USD 4.39	17.38%	USD \$11.02/hr

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.



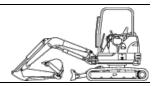
All prices shown in US dollars (\$)

Rental Rate Blue Book® December 14, 2023

Caterpillar 303E CR (disc. 2021)

Crawler Mounted Compact Excavators

Size Class: 3.5 - 4.4 mt Weight: N/A



Configuration for 303E CR (disc. 2021)

Operating Weight 7782 lbs Operator Protection ROPS
Power Mode Diesel

Blue Book Rates

 ** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

		Ownership C	osts		Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$5,410.00	USD \$1,515.00	USD \$380.00	USD \$57.00	USD \$21.58	USD \$52.32
Adjustments						
Region (Texas: 100.3%)	USD \$16.23	USD \$4.55	USD \$1.14	USD \$0.17		
Model Year (2021: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$5,426.23	USD \$1,519.55	USD \$381.14	USD \$57.17	USD \$21.58	USD \$52.41

Non-Active Use RatesHourlyStandby RateUSD \$17.88Idling RateUSD \$34.65

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	21%	USD \$1,136.10/mo
Overhaul (ownership)	42%	USD \$2,272.20/mo
CFC (ownership)	19%	USD \$1,027.90/mo
Indirect (ownership)	18%	USD \$973.80/mo
Fuel (operating) @ USD 4.39	17.7%	USD \$3.82/hr

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information



All prices shown in US dollars (\$)

Rental Rate Blue Book® December 14, 2023

Miscellaneous 5000

Size Class: To 5,000 W Weight: 365 lbs



Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

		Ownersh	nip Costs		Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$78.00	USD \$22.00	USD \$6.00	USD \$0.90	USD \$3.97	USD \$4.41
Adjustments						
Region (Texas: 100.8%)	USD \$0.62	USD \$0.18	USD \$0.05	USD \$0.01		
Model Year (2022: 99.91%)	(USD \$0.07)	(USD \$0.02)	(USD \$0.01)	(USD \$0.00)		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$78.56	USD \$22.16	USD \$6.04	USD \$0.91	USD \$3.97	USD \$4.42

Non-Active Use Rates
Standby Rate
USD \$0.37
Idling Rate
USD \$3.78

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	64%	USD \$49.92/mo
Overhaul (ownership)	18%	USD \$14.04/mo
CFC (ownership)	9%	USD \$7.02/mo
Indirect (ownership)	9%	USD \$7.02/mo
Fuel (operating) @ USD 3.87	83.88%	USD \$3.33/hr

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.



All prices shown in US dollars (\$)

Rental Rate Blue Book® December 14, 2023

Miscellaneous 2-7/21

Size Class: Electric Powered Weight: N/A



Configuration for 2-7/21

Head Diameter2.5'Horsepower2.0Power ModeElectricShaft Length16.0 ft

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	,	-, ,			1	1
		Ownershi	p Costs		Estimated Operating Costs	FHWA Rate**
	Monthly	Weekly	Daily	Hourly	Hourly	Hourly
Published Rates	USD \$190.00	USD \$53.00	USD \$13.00	USD \$2.00	USD \$0.35	USD \$1.43
Adjustments						
Region (Texas: 100%)	-	-	-	-		
Model Year (2021: 99.81%)	(USD \$0.36)	(USD \$0.10)	(USD \$0.02)	(USD \$0.00)		
Adjusted Hourly Ownership Cost (100%)	-	-	-			
Hourly Operating Cost (100%)				A. (1)	-	
Total:	USD \$189.64	USD \$52.90	USD \$12.98	USD \$2.00	USD \$0.35	USD \$1.43

Non-Active Use Rates
Standby Rate
USD \$0.84
Idling Rate
USD \$0.84
USD \$0.84

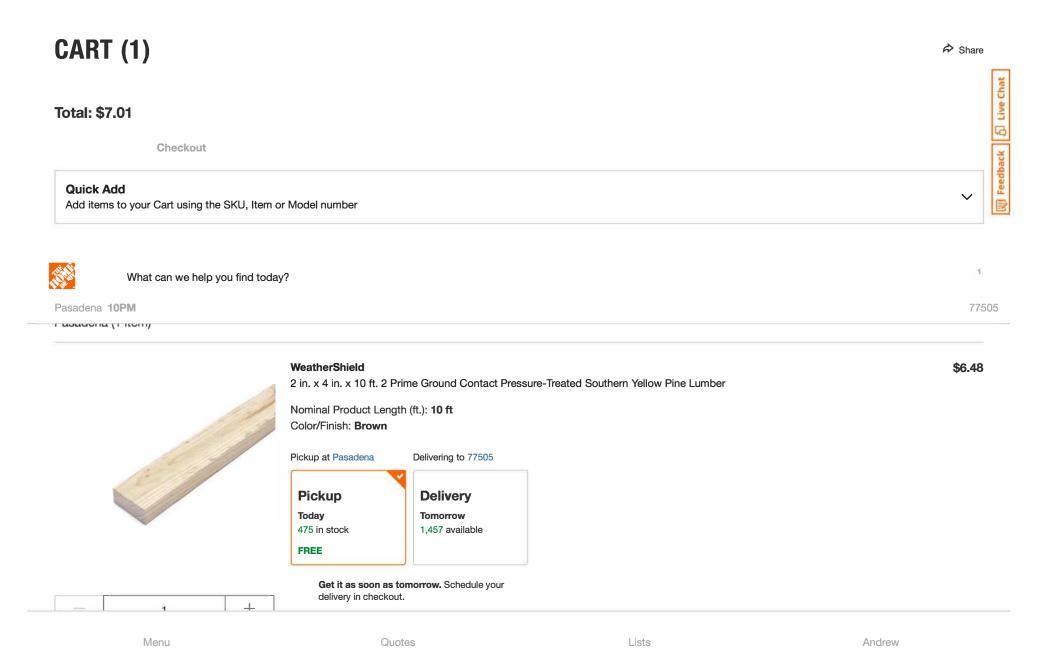
Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	62%	USD \$117.80/mo
Overhaul (ownership)	22%	USD \$41.80/mo
CFC (ownership)	8%	USD \$15.20/mo
Indirect (ownership)	8%	USD \$15.20/mo

Fuel cost data is not available for these rates.

Revised Date: 4th quarter 2023

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book® Print. Visit the Cost Recovery Product Guide on our Help page for more information.



1/3

Customers Also Purchased...



Best Seller

2 in, x 4 in, x 8

ft, Prime Stud



Best Seller





WeatherShield

2 in. x 4 in. x 8

ft, 2 Prime

Ground...





WeatherShield



WeatherShield



WeatherShield

2 in, x 6 in, x

10 ft, 2 Prime

Ground...

\$1028

(741)

ft, 2 Ground Contact Pressure-...

(1417)

\$418

(4202)

\$348

12 ft, 2 Prime Ground... (405)

\$768

WeatherShield

2 in, x 4 in, x

5/8 in. x 5-1/2 in. x 6 ft....

(2076)

\$1 98

Add to

Outdoor

Essentials

Pressure-...

(2607)

Add to

\$Q58

4 in, x 4 in, x 8

ft, #2 Ground

Contact

(521)

\$538

Add to

2 in. x 6 in. x 12 ft, #2 Prime Pressure-...

WeatherShield

(430)**\$12**¹⁸

Add to

\$778

(436)

2 in. x 6 in. x 8 2 in. x 4 in. x 16 ft, 2 Prime ft. No. 2 Prime Pressure-... Ground...

(281)

\$1128

Add to Add to Cart

4 in, x 4 10 ft, #2 Pressure Treated.

(797)

\$1448

Add Ca

Live Chat

₽

1/3 >

Your Order

Subtotal \$6.48 FREE Pickup Sales Tax \$0.53

\$7.01 **Total**

Have a Promo Code? ✓

PO/Job Name (optional)

Your PO /olb Name

Create a Quote (optional)

Quotes Lists

2/3 https://www.homedepot.com/cart



405 McCarty Street Houston, TX 77029 Tel: 832.701.1920 www.fabcous.com

Description

Material Quote

0.	- 43:
Quote Date	Quote No.
03/12/2024	2207338-077

U/M

Qty

Unit Price

Page 1 of 1

Extended

	Ship	То	
	QUO 405 N Hous	TE AcCarty Street ton, TX 77029	713.473.7900
Customer Job No.	Terms	Ship Via	Price Expiration
#598	Net 30 Days	WILL CALL	30 Days from Quote Date
	E	#598 QUO 405 N Hous ANDR	1.00 1.00

4IN Paving Chair Sqr Base (250/bg; 5,000/plt)	250	EA	0.2500	62.50
Fabco City White Cure55gal	1	Drum	159.0000	159.00
		Non 1	axable:	221.50
		Taxal	ole:	0.00
		Taxes	\$;	0.00
		Total:		221.50



it's what's **inside** that counts

BRAZORIA COUNTY - JULY 2022 REINFORCING STEEL QUOTATION

CMC Steel Fabricators, Inc. dba CMC Rebar (hereafter called the Seller) proposes, subject to the terms and conditions of sales set forth below, to furnish domestic steel reinforcing bars per ASTM A615 latest edition cut to length, bent, bundled and tagged in accordance with Owner's or Buyer's bar list, including spirals where applicable for the project(s) listed below. Buyer shall furnish Seller one set of Plans. All material shall be furnished in accordance with the conditions of the Manual of Standard Practice of the Concrete Reinforcing Steel Institute.

		PRICES		
Brazoria Co.	CR 59	7-18-22	STP 1702(438)	0912-31-305
einforcing Bars for Str	uctures (63 Tons)			\$78.00 / cwt

Seller's paving price is based on furnishing longitudinal bars in 60' lengths in Buyer's specified "exact piece" bundle count (minimum bundle count as follows: #7 @ 18 pieces, #6 @ 18 pieces) and transverse bars cut to Buyer's specified length packaged in a 51-pc count bundle.

Reinforcing for terminal anchors, curb, dowels, driveways, sidewalks, riprap, and "U" bars in barrier rail are included, but at the Structures Unit Price above or current market value if not stated.

The above quantities are approximate and do not represent a guarantee by Seller. Actual quantities as designated in Buyer's contract and mutually agreed upon by Seller will determine the maximum quantities Seller is obligated to ship under this proposal. Additional steel required is subject to price negotiation.

Please see the Acceptance Clause on page 2 of this proposal.

PRICE ADJUSTMENT – The above prices are firm for shipments through 2-28-23. Add \$1.25 cwt for all shipments on or after 3-1-2023 and every three months thereafter, cumulatively.

Seller's Price(s) Includes:

Reinforcing Steel for structures and paving.

Seller's Price(s) Excludes:

- All accessories, tie wire, anchor bolts, smooth round dowels.
- Threaded inserts, bolts, threaded rebars, multiple piece tie bars and/or mechanical splices unless specifically quoted, flat bar and welded flat bar bands, WWF, and any item not specifically mentioned.
- BIM/3D drawings (intended for other trades).

Gene Boyette	Jim Lyons	Rodney Scott	Tully Williams	Reid Harmon	Brian Luensmann
gene.boyette@cmc.com	jim.lyons@cmc.com	rodney.scott@cmc.com	tully.williams@cmc.com	reid.harmon@cmc.com	brian.luensmann@cmc.com
(214) 392-5831 c	(512) 217-8294 c	(214) 334-3743 c	(214) 803-3946 c	(972) 877-3193 c	(254)216-2543 c



7/18/2022 8:29 AM

GENERAL INFORMATION

SER CONSTRUCTION LLC Account:

3047936 Account number: Contact: Jaime Rivera

E-mail: jrivera@serconstruction.net

Phone: 7138189651

Customer Service: 713-332-4000

Sales Office Address: 16100 Dillard Dr, Jersey Village, TX 77040

Project: Project Address: Brazoria Co. CR59 1 CR59 & Kirby Dr.

Pearland Texas 77584

Doc. Expiration Date: Price Valid from: Price Valid to:

8/17/2022 7/18/2022

MATERIAL PRICING

Description	UoM	Price per Unit	Notes
TXDOT CLASS A	YD3	\$128.50	
TXDOT CLASS 3/8" A	YD3	\$130.50	
TXDOT CLASS B	YD3	\$126.50	
TXDOT CLASS P	YD3	\$132.50	
TXDOT CLASS K HES	YD3	\$155.50	

ADDITIONAL CLAUSES

Category	ltem	Value	UoM	Comments
icing Escalation				
	The prices are subject to an escalation of	\$6.00	USD/Cu Yd	Effective February 1, 2023 and each 6 months thereafter
urcharges and Fees				
	Environmental compliance fee	\$15.00	USD/Load	
	Variable Fuel surcharge	\$45.00	USD/Load	At present, subject to change
	Less than Full Load Fee (LTL)	\$150.00	USD/Load	Any orders over 10 yards, delivered in full 10 yard loads, will receive an additional kicker at no charge. Any additional loads thereafter will incur a LTL fee of \$150.
	Less than Full Load Fee (LTL)	\$1.75	USD/Cu Yd	Orders delivered in 9 yard loads will incur an additional fee of \$1.75 per yard.
	Less than Full Load Fee (LTL)	\$3.50	USD/Cu Yd	Orders delivered in 8 yard loads will incur an additional fee of \$3.50 per yard.
	Less than Full Load Fee (LTL)	TBD	USD/Cu Yd	Orders delivered in less than 8 yard loads will need approval and will incur additional fees per yard.
	Minimum Load Size: Three (3) cubic yards			
	Plant Opening fee for non-business hours	\$500.00	USD/Hour	
	Washout fee	\$50.00	USD/Load	Applies to all loads with color or other products added at jobsite
	Returned Concrete fee	\$50.00	USD/Cu Yd	Applies to deliveries that are not cancelled prior to shipping
	Cancellation Fee	\$500.00	USD per Each	Orders less than 50cy, cancelled the day before after 1:00pm
	Cancellation Fee	\$1,500.00	USD per Each	Orders greater than 50cy, cancelled the day before after 1:00pm
	Cancellation Fee	\$750.00	USD per Each	Orders Less than 50cy, cancelled the day of the order
	Cancellation Fee	\$2,250.00	USD per Each	Orders greater than 50cy, cancelled the day of the order
Additional Products and Services				
	+/- 500 psi or 1/2 sack (Not to exceed 5000 psi or 7.0 sack) - Add	\$4.00	USD/Cu Yd	
	Non fly ash mixes - Add	\$3.00	USD/Cu Yd	
	Small Rock Mixes (less than 1.5" coarse aggregate size, excluding 3/4") - Add	\$2.00	USD/Cu Yd	
	Mid Range Water Reducer (MRWR) pump mixes - Add	\$3.50 - \$4.50	USD/Cu Yd	
	High Range Water Reducer (HRWR) pump mixes - Add	\$6.50	USD/Cu Yd	
	Hydration stabilizer (Recover 1, 2, 3)	\$2.00 - \$6.00	USD/Cu Yd	
	Ice - when requested for temperature control	\$0.50	USD/lbs	48 hours notice required, no returns
	Quality Control and Field Service requests	\$500.00	USD per Each	

Pricing Conditions

All Sales are subject to CEMEX Standard terms and conditions which shall control and take precedence over any terms and conditions to the contrary in any purchase order or other

Customer is responsible for Applicable Sales Tax. Such taxes will appear on invoice unless Sales Tax exemption certificate is on file at CEMEX prior to shipping

• Remaining value-added products inventory, (fibers, colors, and special admixtures) ordered to meet project specifications, will be invoiced at the end of the project.

Payment terms

ESTIMATE

SEMARCK LANDSCAPE SERVICES, INC.

semarck@semarck-hls.com 832-467-8000



7827-A Harms Rd Houston, TX 77041

SER Construction:Brazoria CR 59

Bill to

Brazoria CR 59 3636 Pasadena Boulevard Pasadena, Texas 77503 Ship to

Brazoria CR 59 3636 Pasadena Boulevard Pasadena, Texas 77503

Estimate details

Estimate no.: 164

Estimate date: 03/01/2024

Project: CR 59

#	Date	Product or service	SKU	Qty	Rate	Amount
1.		Hydromulch (3-1-24) Hydromulch of Drainage Ditch Easement (Change Order)	LS	1	\$3,500.00	\$3,500.00
			Total		\$	3,500.00

EXHIBIT "A"

SUBCONTRACTOR'S SCOPE OF WORK

The Scope of work shall include but not be limited to:

Item	Contract Item	Description	Quantity	UM	Unit Price	Extended Price
1	1-0500 6001	HOURLY TRUCKING	1000.000	HR	50.00000	50000.00

INDEX OF SHEETS

SHEET NO.

DESCRIPTION

SEE SHEET 2 FOR INDEX OF SHEETS

REGISTERED ACCESSIBILITY (RAS) INSPECTION REQUIRED. TDLR #



COUNTY JUDGE L. M. "MATT" SEBESTA, JR.

COUNTY COMMISSIONERS

PRECINCT 1 PRECINCT 2 PRECINCT 3 PRECINCT 4

DONALD "DUDE" PAYNE RYAN CADE STACY L. ADAMS DAVID LINDER

COUNTY ENGINEER MATTHEW HANKS, J.D., P.E.

ASST. COUNTY ENGINEER KAREN O. MCKINNON. P.E.

ALL BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE (4204), NORTH AMERICAN DATUM OF 1983 (2011 ADJ.), EPOCH 2010.00, CORS TXAG, TXLM, TXRS AND COH2, WERE HELD FIXED USING THEIR PUBLISHED HORIZONTAL VALUES, COORDINATE POSITIONS FOR PRIMARY CONTROL POINTS ARE BASED ON STATIC GPS OBSERVATIONS.

COORDINATES AND DISTANCES ARE U.S. SURVEY FEET, DISPLAYED IN SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY THE TXDOT SURFACE ADJUSTMENT FACTOR OF 1.00013. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (ORTHOMETRIC GEOID 12A). VERTICAL CONTROL VALUES ARE BASED ON DIFFERENTIAL LEVEL LOOPS HOLDING AN ORTHOMETRICALLY DERIVED ELEVATION FOR MONUMENT H-16 OF 64.95 FEET.

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, NOVEMBER 1, 2014 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT:
REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION
CONTRACTS (FORM FHWA 1273, MAY, 2012)

BRAZORIA COUNTY

PLANS OF PROPOSED COUNTY ROAD IMPROVEMENT

FEDERAL AID PROJECT NO. STP 1702(438)MM

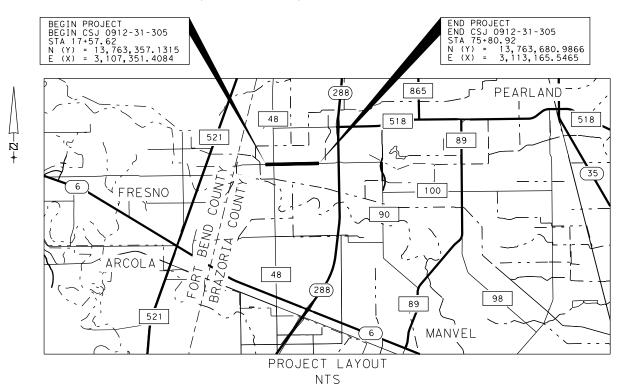
CSJ: 0912-31-305 CR 59

BRAZORIA COUNTY

LIMITS: FROM: CR 48 TO: KIRBY DE

NET LENGTH OF ROADWAY = 5,666.26 FT. = 1.07 MI. NET LENGTH OF BRIDGE= 0 FT.= 0 MI.
NET LENGTH OF PROJECT= 5,666.26 FT.= 1.07 MI.

FOR THE RECONSTRUCTION AND WIDENING OF A NON-FREEWAY FACILITY CONSISTING OF GRADING, REINFORCED CONCRETE PAVEMENT, CURB AND GUTTER, SIDEWALK, DRAINAGE, DETENTION BASIN, AND SIGNING AND PAVEMENT MARKINGS.



TBPLS Firm Registration No. 100467 13430 Northwest Freeway, Suite 1100 Houston, Texas 77040 713.462.3242 | fax 713.462.3262 www.cobbfendley.com

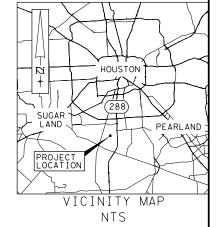
EXCEPTIONS: N/A EQUATIONS: N/A RAILROAD CROSSINGS: N/A

BY TEXAS DEPARTMENT OF TRANSPORTATION ALL RIGHTS RESERVED.

DESIGN SPEED = 45 MPH CR 59 ADT (2022) = 11,572

ADT (2042) = 15,705 FUNCTIONAL CLASSIFICATION = MAJOR COLLECTOR 0912 31 305 CR 59

FEDERAL AID PROJECT NO. STP 1702(438)MM STATE DISTRICT COUNTY TEXAS HOU BRAZORIA SECTION



BRAZORIA COUNTY CONCURRENCE	
COUNTY ENGINEER	
APPROVED BY THE BOARD OF COMMISIONERS ON: BDD #4 REF ID 2024I/2I-000095	
BRAZORIA DRAINAGE DISTRICT NO. 4	

DISTRICT ENGINEER

THE ABOVE HAVE SIGNED THESE PLANS AND/OR PLAT BASED ON THE RECOMMENDATION OF THE DISTRICT'S ENGINEER WHO HAS REVIEWED ALL SHEETS PROVIDED AND FOUND THEM TO BE IN GENERAL COMPLIANCE WITH THE DISTRICT'S "RULES, REGULATIONS AND GUIDELINES". THIS APPROVAL IS ONLY VALID FOR THREE HUNDRED SIXTY-FIVE (365) CALENDAR DAYS. AFTER THAT TIME RE-APPROVAL IS REQUIRED. PLEASE NOTE, THIS DOES NOT NECESSARILY MEAN THAT ALL THE CALCULATIONS PROVIDED IN THESE PLANS AND/OR PLATS HAVE BEEN COMPLETELY CHECKED AND VERIFIED. IN THE EVENT OF ANY CONFLICT OR INCONSISTENCY BETWEEN THE DISTRICT'S "RULES, REGULATIONS AND GUIDELINES" AND THESE APPROVED DRAINAGE PLANS AND/OR PLAT, THE DISTRICT'S "RULES, REGULATIONS & GUIDELINES" SHALL BUTTAIL ANY APPROVED VARIANCES SHALL BE ITEMIZED ON THE COVER SHEET AND PLACED ON THE APPROPRIATE SHEET WHERE APPLICABLE. PLANS SUBMITTED HAVE BEEN PREPARED, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE ENGINEERING IN THE STATE OF TEXAS AND PLAT HAS BEEN SIGNED AND SEALED BY A REGISTERED PROFESSIONAL LAND SURVEYOR LICENSED TO PRACTICE IN THE STATE OF TEXAS WHICH CONVEYS THE ENGINEER'S AND/OR SURVEYOR'S RESPONSIBILITY AND ACCOUNTABILITY.

CONTRACTOR SHALL NOTIFY BRAZORIA DRAINAGE DISTRICT NO. 4
AT LEAST FORTY-EIGHT (48) HOURS BEFORE PLACING ANY
CONCRETE FOR DRAINAGE STRUCTURES. FATURE TO PROPERLY
COORDINATE AN ON-SITE INSPECTION BEFORE CONCRETE IS
POURED WILL CAUSE PORTIONS OF THE CONCRETE TO BE BROKEN
OUT AT THE APPLICANT'S EXPENSE IN ORDER TO PROVE TO THE
DISTRICT'S INSPECTOR THAT CONSTRUCTION COMPLIES WITH
DISTRICT'S "RULES, REGULATIONS & GUIDELINES."

BDD4 NOTES:

- BDD4 APPROVAL AND SPECIAL NOTES APPLY ONLY TO THE DETENTION POND, OUTFALL CHANNEL, AND CONNECTION TO SOUTHERN TRAILS DETENTION POND.
- 2. BDD4 HAS REVIEWED AND APPROVED THESE PLANS (BDD#4 REF ID 20241/21-000095) EFFECTIVE MARCH 8, 2022, AND FOUND THEM TO BE IN COMPLIANCE WITH THE DISTRICT'S "RULES, REGULATIONS, AND GUIDELINES."
- 3. VARIANCE REQUESTS WERE APPROVED BY BDD4 FOR THIS PROJECT (BDD#4 REF ID 20241/21-000095) ON DATE MARCH 9, 2021 FOR POND SIDE SLOPES, MAINTENANCE BERM WIDTH, AND THE EXTREME EVENT OVERFLOW SWALE, AND ON DATE JULY 13, 2021 FOR REDUCTION IN OUTFALL FLOWLINE REQUIREMENT.

4. VARIANCE REQUEST WAS APPROVED BY BDD4 FOR THIS PROJECT (BDD4 #23-000299) ON DATE NOVEMBER 14, 2023 FOR USE OF "V" BOTTOM DITCH ALONG OUTFALL CHANNEL.

EV. NO. DATE DESCRIPTION BY

11/16/23 OUTFALL CHANNEL UPDATES MA

SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION
	GENERAL		DRAINAGE DETAILS
1	TITLE SHEET	123	CROSS CULVERT DRAINAGE AREA MAP
1 A	BRAZORIA COUNTY TITLE SHEET	124	OVERALL DRAINAGE AREA MAP
2 - 3	INDEX OF SHEETS	125 - 129	INTERIOR DRAINAGE AREA MAP
4 - 5	PROJECT LAYOUT	130 - 134	PROPOSED HYDRAULIC COMPUTATIONS
6 - 7	TYPICAL SECTIONS	135 - 144	WESTBOUND DRAINAGE PLAN AND PROFILE
8 - 8P	GENERAL NOTES	145 - 154	EASTBOUND DRAINAGE PLAN AND PROFILE
9 -	ESTIMATE & QUANTITY SHEET	155 - 157	STORM SEWER LATERAL PROFILES
10	SUMMARY OF TRAFFIC CONTROL QUANTITIES	158	MISCELLANEOUS DRAINAGE DETAILS
1 1	SUMMARY OF REMOVAL QUANTITIES	159	DITCH GEOMETRY TABLE
12	SUMMARY OF ROADWAY QUANTITIES	160 - 161	CULVERT LAYOUT
13	SUMMARY OF DRIVEWAY QUANTITES	162	BOX CULVERT SUPPLEMENT - WINGS AND END TREATMENTS - BCS
1 4	SUMMARY OF SOUND WALL QUANTITIES	163	BDD4 GENERAL NOTES
15 - 18	SUMMARY OF DRAINAGE QUANTITES	164 - 165	DETENTION POND PLAN AND PROFILE
19	SUMMARY OF WATER LINE QUANTITES	166	DETENTION POND EMERGENCY OVERFLOW LAYOUT
20	SUMMARY OF SIGNING AND PAVEMENT MARKING QUANTITES	167 - 168	OUTEALL CHANNEL PLAN AND PROFILE
21	SUMMARY OF SMALL SIGNS	/1(168A	OUTFALL CHANNEL TYPICAL SECTIONS)
22	SUMMARY OF TRAFFIC SIGNAL QUANTITIES	169	* PRECAST AREA ZONE DRAIN - PAZD
23	SUMMARY OF FIBER OPTIC QUANTITIES	170	* PRECAST BASE - PB
24	SUMMARY OF SWP3 QUANTITIES	171	* DESIGN DATA FOR PRECAST BASE AND JUNCTION BOX - PDD
		172	* PRECAST ROUND MANHOLE - PRM
	TRAFFIC CONTROL PLAN	173	* SINGLE BOX CULVERTS - PRECAST - 4'0" SPAN - SCP-4
		174	* SINGLE BOX CULVERTS - PRECAST - 5'0" SPAN - SCP-5
25	TRAFFIC CONTROL PLAN NARRATIVE	175	* BOX CULVERTS - PRECAST MISCELLANEOUS DETAILS - SCP-MD
26 - 28	TRAFFIC CONTROL PLAN ADVANCED WARNING SIGNAGE	176	* SINGLE BOX CULVERTS - CAST-IN-PLACE MISCELLANEOUS DETAILS - SCC-MD
29 - 31	TRAFFIC CONTROL PLAN PHASING OVERALL LAYOUT	177	* PRECAST SAFETY END TREATMENT - TYPE II PARALLEL DRAINAGE - PSET-SP
32	TRAFFIC CONTROL PLAN TYPICAL SECTIONS	178 - 179	* SAFETY END TREATMENT FOR BOX CULVERTS - TYPE I PARALLEL DRAINAGE - SETB-F
33	TRAFFIC CONTROL PLAN - PHASE I	180	* CONCRETE WINGWALLS WITH STRAIGHT WINGS FOR O° SKEW BOX CULVERTS - SW-O
34 - 36	TRAFFIC CONTROL PLAN - PHASE II	181	* CURB INLET TYPE C - HIL-C (HOUSTON DIST)
37 - 39	TRAFFIC CONTROL PLAN - PHASE III	182	* CURB INLET TYPE C1 - HIL-C1 (HOUSTON DIST)
40 - 42	TRAFFIC CONTROL PLAN - PHASE IV	183	* INLET TYPE A - HIL-A (HOUSTON DIST)
43	DETOUR LAYOUT - PHASE I STEP I	184	* INLETS TYPE AD & AAD - HIL-AD/AAD
44	DETOUR LAYOUT - PHASE I STEP II	185	* MANHOLES - TYPE A & B - MH - A/B (HOUSTON DIST)
45	TEMPORARY TRAFFIC SIGNAL LAYOUT	186	* MISCELLANEOUS SEWER DETAILS - MSD (HOUSTON DIST)
46 - 57	* * BARRICADE AND CONSTRUCTION STANDARDS - BC(1)-21 THRU BC(12)-21	187	* GUTTER DEPRESSION DETAILS FOR CURB INLETS - GD (HOUSTON DIST)
58	* * WORK ZONE SHORT TERM PAVEMENT MARKINGS - WZ(STPM)-13	188 - 189	* EXCAVATION AND BACKFILL DIAGRAMS - E&BD (HOUSTON DIST)
59	* * WORK ZONE ROAD CLOSURE DETAILS - WZ(RCD)-13	190 - 192	* BRAZORIA DRAINAGE DISTRICT NO. 4 STANDARD DETAILS
60	* * TRAFFIC SIGNAL WORK - TYPICAL DETAILS - WZ(BTS-1)-13	193	OMITTED
61	* * TRAFFIC SIGNAL WORK - BARRICADES AND SIGNS - WZ(BTS-2)-13		
62	* * TRAFFIC CONTROL PLAN - LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS - TCP(1-4)-18		UTILITIES
63	* * TRAFFIC CONTROL PLAN - LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS - TCP(2-4)-18		
64	* * CONSTRUCTION SEQUENCE FOR MISCELLANEOUS DRIVES - CSMD TC 8010-20 (HOUSTON DIST)	194	EXISTING UTILITY LAYOUT GENERAL NOTES
65	* * DRIVEWAY SIGNING - DS TC 8020-04 (HOUSTON DIST)	195 - 199	EXISTING UTILITY LAYOUT
66 - 67	* * LOW PROFILE CONCRETE BARRIER - LPCB-13	200	WATER LINE GENERAL NOTES
		201	WATER LINE PLAN AND PROFILE
	ROADWAY DETAILS	202 - 203	* CITY OF PEARLAND STANDARD DETAILS - WATER
68 - 69	SURVEY CONTROL INDEX		
70	SURVEY CONTROL DATA PANELS		
71 - 72	HORIZONTAL ALIGNMENT DATA		
73	VERTICAL ALIGNMENT DATA		THE STANDARD SHEETS SPECIFICALLY IDENTIFIED WITH
74 - 76	REMOVAL LAYOUT		AN '*' HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE
77 - 86	ROADWAY PLAN AND PROFILE		SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.
87	CROSS-STREET PLAN AND PROFILE		1st front Alla
88 - 89	INTERSECTION LAYOUT		, PE 11/16/2023
90	SOUND WALL PLAN AND PROFILE		W. MATTHEW ADAMS (NO 105842) DATE
91 - 95	MEDIAN LAYOUT		
96	BORING LOG LEGEND		
97 - 103	BORING LOGS		
104 - 105	* CONTINUOSLY REINFORCED CONCRETE PAVEMENT - ONE LAYER STEEL BAR PLACEMENT - CRCP(1)-	-20	
106 - 107	* CONCRETE PAVEMENT JUNCTURES - CPJ (HOUSTON DIST)		
108	* CONCRETE CURB AND CURB AND GUTTER - CCCG-21		THE STANDARD SHEETS SRESTEICALLY INCATTETED WITH
109 - 112	* PEDESTRIAN FACILITIES - CURB RAMPS - PED-18		THE STANDARD SHEETS SPECIFICALLY IDENTIFIED WITH AN '**' HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE
113 - 115	* DRIVEWAY DETAILS - DD (HOUSTON DIST)		SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.
116 110	* MAILBOX STANDARDS - MB(1)-21 THRU MB(4)-21		JOI ENVISION AS DEINO ALLEICADEE TO THIS INCOECT.
116 - 119			
120 - 122	* SOUND WALL DETAILS - HORIZONTAL SCHEME - SWD-HS (HOUSTON DIST)		
	* SOUND WALL DETAILS - HORIZONTAL SCHEME - SWD-HS (HOUSTON DIST)		COURTNEY R. CARR (NO 123301) DATE

1 1/16/23 OUTFALL CHANNEL UPDATES MA

REV. NO. DATE DESCRIPTION BY

TBPE Firm Registration No. 274
TBPLS Firm Registration No. 100467
13430 Northwest Freeway, Suite 1100
Houston, Texas 77040
713.462.3242 | fax 713.462.3262
www.cobbfendley.com



Brazoria County Engineering Department

CR 59

INDEX OF SHEETS

			S	HEET 1	OF 2	<u></u>
ED.RD. IV.NO.	STATE		PROJECT NO.	9	HIGHWAY NO.	.dgn
12	TEXAS	STP	1702(43	38)MM	CR 59	10X
STATE STRICT	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.	JQN/
HOU	BRAZORIA	0912	31	305	2	59_

ITEM NO.			104	110		400	402	432	432	40	52	464
DESC. CODE	1 !		6015	6002	6005	6009	6001	6001	6003	6003	6006	6003
DESCRIPTION	BEGIN STATION	END STATION	REMOVING CONC (SIDEWALKS)	EXCAVATION (CHANNEL)	CEM STABIL BKFL	CEMENT STAB BACKFILL (INLET OR MH)	TRENCH EXCAVATION PROTECTION	RIPRAP (CONC) (4 IN)	RIPRAP (CONC) (6 IN)	CONC BOX CULV (4 FT X 2 FT)	CONC BOX CULV (5 FT X 2 FT)	RC PIPE (CL III (18 IN)
UNIT			SY	CY	CY	CY	LF }	CY	CY	LF	LF	LF
CSJ 0912-31-305									2			
TBOUND DRAINAGE PLAN AND PROFILE							<u> </u>		₹			
SHEET 1 OF 10	BEGIN PROJECT	22+00.00					}		5			
SHEET 2 OF 10	22+00.00	28+00.00			215	33	488 🕻		21			198
SHEET 3 OF 10	28+00.00	34+00.00			317	66	602		21			
SHEET 4 OF 10	34+00.00	40+00.00			405	58	602		21			
SHEET 5 OF 10	40+00.00	46+00.00			489	25	611		11			
SHEET 6 OF 10	46+00.00	52+00.00			489	42	617		21			
SHEET 7 OF 10	52+00.00	58+00.00			445	58	639		21			25
SHEET 8 OF 10	58+00.00	64+00.00			418	42	682		21			
SHEET 9 OF 10	64+00.00	70+00.00			308	25	607		11			
SHEET 10 OF 10	70+00.00	END PROJECT			196	25	408		3			
TBOUND DRAINAGE PLAN AND PROFILE							Ì		<u> </u>			
SHEET 1 OF 10	BEGIN PROJECT	22+00.00					>		₹			
SHEET 2 OF 10	22+00.00	28+00.00			203	25	266		5			196
SHEET 3 OF 10	28+00.00	34+00.00			322	58	602		ζ			
SHEET 4 OF 10	34+00.00	40+00.00			607	58	679		₹			
SHEET 5 OF 10	40+00.00	46+00.00			967	42	684		3			
SHEET 6 OF 10	46+00.00	52+00.00			921	42	600		<u> </u>			
SHEET 7 OF 10	52+00.00	58+00.00			833	50	608		₹			
SHEET 8 OF 10	58+00.00	64+00.00			551	50	650		5			
SHEET 9 OF 10	64+00.00	70+00.00			381	66	605		}			
SHEET 10 OF 10	70+00.00	END PROJECT					 		₹			
VERT LAYOUT							\		<u> </u>			
SHEET 1 OF 1	STA 23	+58.51			287		<u> </u>		}	132	132	
SHEET 1 OF 1	STA 24				297				\	280		
ENTION POND LAYOUT	<u> </u>						\rightarrow		, 			
SHEET 1 OF 2	BEGIN POND	21+00		70,571	389	50	134		483			
SHEET 2 OF 2	21+00	END POND		23,524	113	25	79		194		+	
FALL CHANNEL PLAN AND PROFILE				,			- \				+	
SHEET 1 OF 2	BEGIN OUTALL	20+75.76		1,150	1,268	42	909	162	₹		+	
SHEET 2 OF 2	20+75.76	END OUTFALL	16	383	486	33	348	152	₹			
CSJ TOTAL		2.15 3311 MEL	16	95, 628	10,907	915	11,420	314	825	412	132	419

11/16/23 OUTFALL CHANNEL UPDATES MA

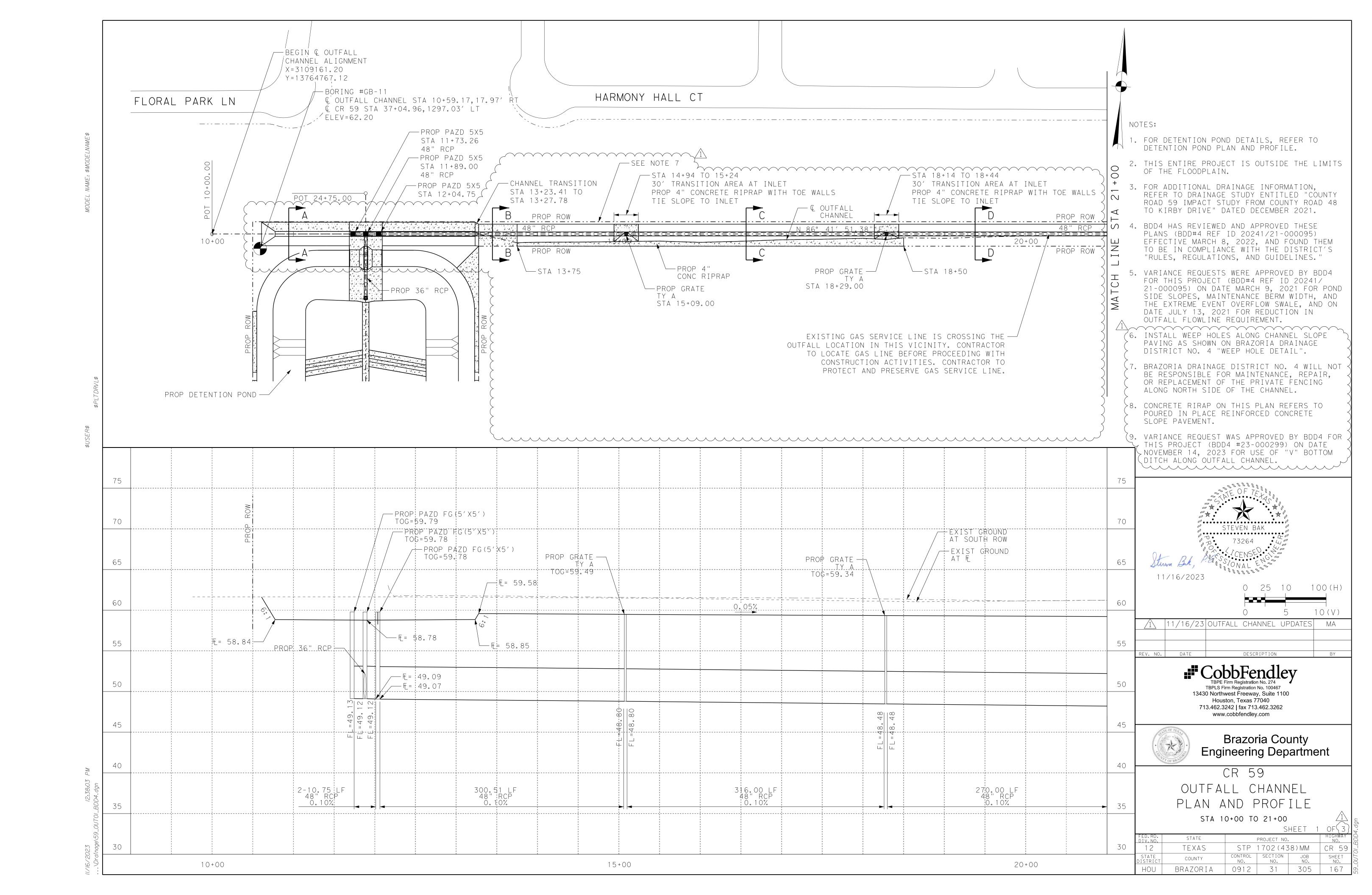
TBPE Fim Registration No. 274 TBPLS Fim Registration No. 100467 TBPLS Fim Registration No. 100467 13430 Northwest Freeway. Suite 1100 Houston, Texas 77040 713.462.3242 [18x 773.462.362 www.cobbfendley.com

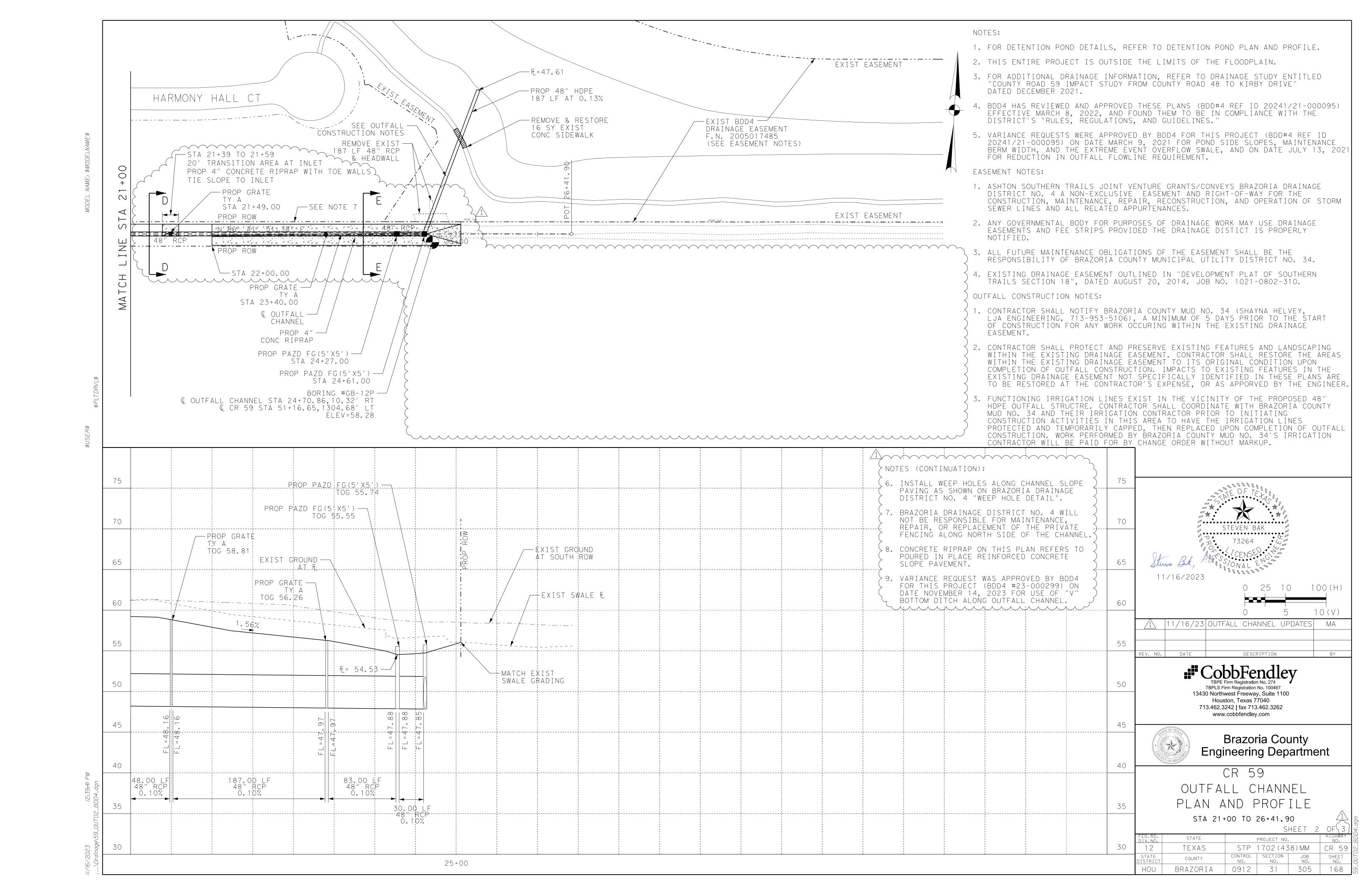


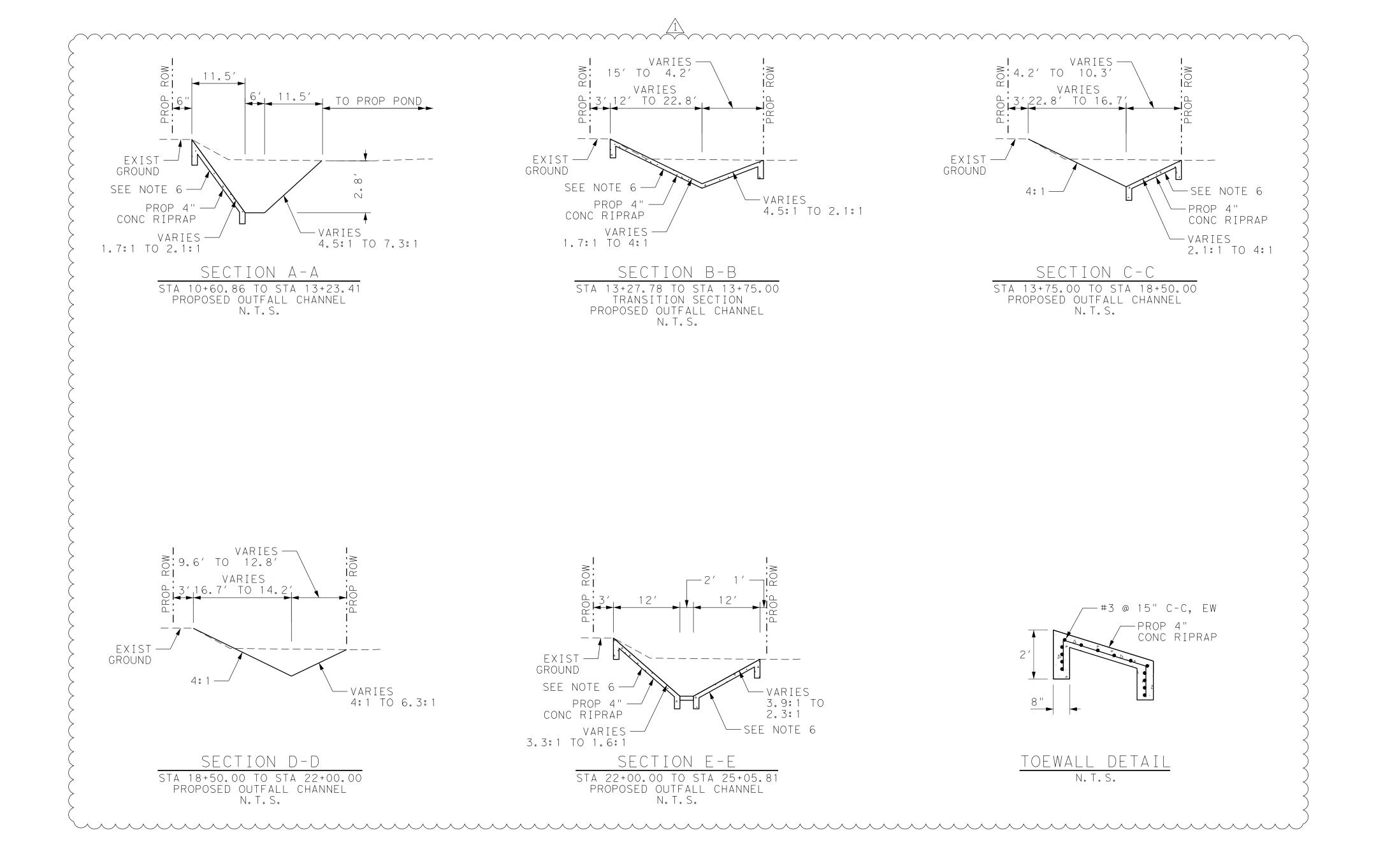
Brazoria County Engineering Department

CR 59 SUMMARY OF DRAINAGE QUANTITIES

			5	HEET I	O۴	4	б
	STATE		PROJECT NO.		H I GH		<i>i</i> 0
	TEXAS	STP	1702(43	88) MM	CR	59	DRA
т	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHE		NINS
	BRAZORIA	0912	31	305	1 :	7	9

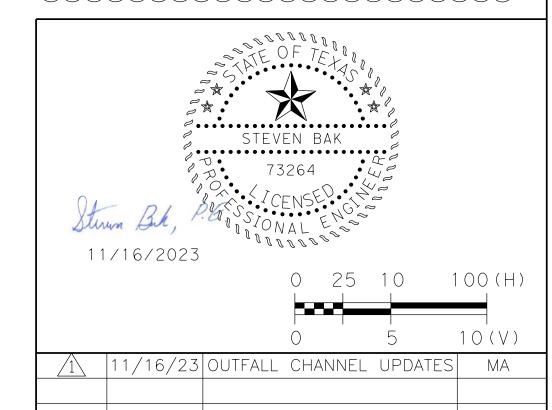






NOTES:

- FOR DETENTION POND DETAILS, REFER TO DETENTION POND PLAN AND PROFILE.
- 2. THIS ENTIRE PROJECT IS OUTSIDE THE LIMITS OF THE FLOODPLAIN.
- 3. FOR ADDITIONAL DRAINAGE INFORMATION, REFER TO DRAINAGE STUDY ENTITLED "COUNTY ROAD 59 IMPACT STUDY FROM COUNTY ROAD 48 TO KIRBY DRIVE" DATED DECEMBER 2021.
- 4. BDD4 HAS REVIEWED AND APPROVED THESE PLANS (BDD#4 REF ID 20241/21-000095) EFFECTIVE MARCH 8, 2022, AND FOUND THEM TO BE IN COMPLIANCE WITH THE DISTRICT'S "RULES, REGULATIONS, AND GUIDELINES."
- 5. VARIANCE REQUESTS WERE APPROVED BY BDD4
 FOR THIS PROJECT (BDD#4 REF ID 20241/
 21-000095) ON DATE MARCH 9, 2021 FOR POND
 SIDE SLOPES, MAINTENANCE BERM WIDTH, AND
 THE EXTREME EVENT OVERFLOW SWALE, AND ON
 DATE JULY 13, 2021 FOR REDUCTION IN
 OUTFALL FLOWLINE REQUIREMENT.
- 6. INSTALL WEEP HOLES ALONG CHANNEL SLOPE PAVING AS SHOWN ON BRAZORIA DRAINAGE DISTRICT NO. 4 "WEEP HOLE DETAIL".
- 7. BRAZORIA DRAINAGE DISTRICT NO. 4 WILL NOT BE RESPONSIBLE FOR MAINTENANCE, REPAIR, OR REPLACEMENT OF THE PRIVATE FENCING ALONG NORTH SIDE OF THE CHANNEL.
- 8. CONCRETE RIPRAP ON THIS PLAN REFERS TO POURED IN PLACE REINFORCED CONCRETE SLOPE PAVEMENT.
- 9. VARIANCE REQUEST WAS APPROVED BY DBB4 FOR THIS PROJECT (BDD4 #23-000299) ON DATE NOVEMBER 14, 2023 FOR USE OF "V" BOTTOM DITCH ALONG OUTFALL CHANNEL.



***CobbFendley TBPE Firm Registration No. 274

TBPLS Firm Registration No. 100467 13430 Northwest Freeway, Suite 1100 Houston, Texas 77040 713.462.3242 | fax 713.462.3262 www.cobbfendley.com

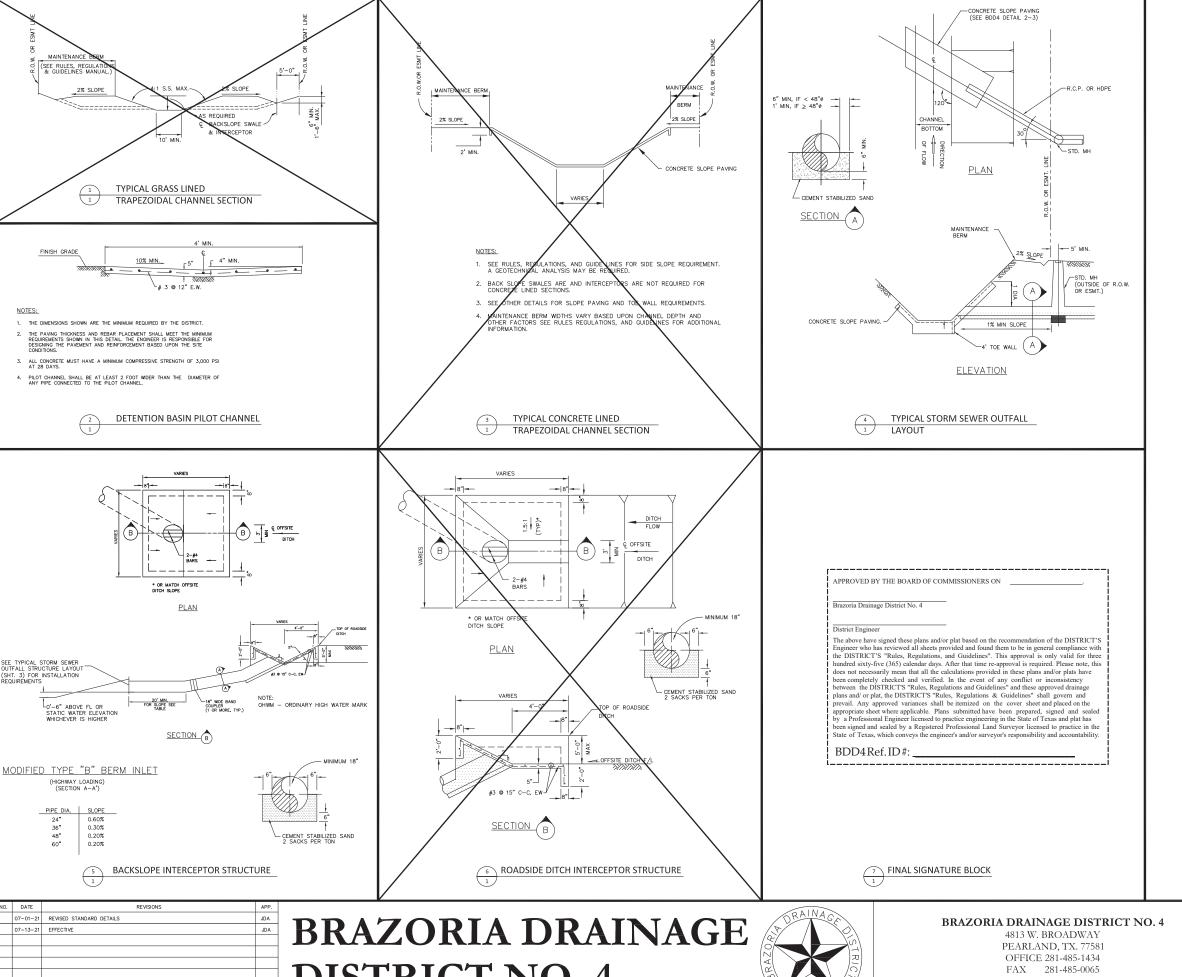


REV. NO. DATE

Brazoria County Engineering Department

CR 59 OUTFALL CHANNEL TYPICAL SECTIONS

			S	HEET (3	OF 3	04.dgn
RD. NO.	STATE		PROJECT NO.	,	NO.	BDI
2	TEXAS	STP	1702(43	38) MM	CR 59	03_
TE RICT	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.	OUT
)U	BRAZORIA	0912	31	305	168A	9



Section 5.H - SPECIAL NOTES

Plan (and Plat if required) including any deed restrictions to ensur compliance with all drainage regulations and requirements. These

- Any governmental body for purposes of drainage work may use drainage easements and fee strips provided the DISTRICT is properly notified.
- landscaping, shall not be erected in a drainage easement, access
- 3. Maintenance of detention facilities is the sole responsibility of the owner of the property. The DISTRICT will provide maintenance of regional facilities owned and constructed by the DISTRICT, or sub regional facilities constructed by developer(s) for which ownership has been transferred to DISTRICT with the DISTRICT'S approval. The DISTRICT is responsible only for the maintenance of facilities owned by the DISTRICT unless the DISTRICT specifically contracts or
- 4. Contractor shall notify the DISTRICT'S Inspector at leas forth-eight (48) hours before beginning work and twenty-four (24) hours before placing any concrete.
- 5. The DISTRICT'S personnel shall have the right to enter upon the property for inspection at any time during construction or as may be warranted to ensure the detention facility and drainage system are operating properly.
- 6. Appropriate cover for the side slopes, bottom, and maintenance berm shall be established prior to acceptance of the construction by the DISTRICT. At least 95% germination of the grass must be established prior to acceptance of construction by the
- No building permit shall be issued for any lot within this development until the detention facility has been constructed and approved by the DISTRICT.
- The DISTRICT'S approval of the Final Drainage Plan (and Final Plat if required) does not affect the property rights of third parties. The developer is responsible for obtaining and maintaining any and all easements, fee strips, and/or any other rights-of-way across third parties' properties for purposes of moving excess runoff to the DISTRICT'S drainage facilities as contemplated by the Final Drainage Plan and Final Plat.
- Drainage Easements shall be used only for the purposes of constructing, operating, maintaining, repairing, replacing, and reconstructing of a drainage facility, and any and all related equipment and facilities together with any and all necessary incidentals and appurtenances thereto in, upon, over, across, and through the Easement Area. The DISTRICT'S successors, assigns, agents, employees, workmen, and representatives shall at all present and future times, have the right and privilege of ingress and egress in, upon, over, across, and through the Easement Area.
- Access Easements shall be used for ingress and egress to the DISTRICT'S drainage facilities and shall be kept clear of any and all obstructions
- 11. An As-Built Certificate and As-Built Survey are required to be submitted to the DISTRICT before a Certificate of Compliance can be issued. Contact the DISTRICT'S Inspector for further clarification.
- 12. All drainage plans and plats shall be in conformance with the DISTRICT'S Rules, Regulations & Guidelines. Board approval of a drainage plan or plat does not constitute permission to deviate. Deviation from the DISTRICT'S Rules, Regulations & Guidelines is only authorized and allowed by a separate Request for Variance which was approved by the Board. Any Board approved variance shall be referenced on the plan cover page and on the appropriate sheet where applicable. The use of the term "Guidelines" herein does not affect the mandatory nature of these Rules, Regulations & Guidelines.

8 BRAZORIA DRAINAGE DISTRICT NO. 4 SPECIAL NOTES
1 FOR PLATS AND DRAINAGE STATE FOR PLATS AND DRAINAGE PLANS





WWW. BDD4.ORG INFO@BDD4.ORG

	STANDARD DETAILS	
WN BY: AH-TD		
IGNED BY: AH—TD	2	scale: NTS
ROVED BY: JDA	C	07-01-2021
NO.:	2	SHEET NO.: 190

