

CITY COUNCIL WORKSHOP

CITY OF BAY CITY



Tuesday, May 12, 2020 at 5:00 PM

Due to the City of Bay City practicing social distancing, City Hall Council Chambers will not be open to the public. Citizens may call (979) 323-1125 to listen and participate during the live meeting (i.e. public comments and to speak on agenda items). You can watch the live meeting by clicking on the following link: [City Council Meeting - Live](#)

COUNCIL MEMBERS

Mayor: Robert K Nelson

Mayor Pro Tem: Jason w. Childers

Council Members: William Cornman, Brent P. Marceaux, Becca Sitz, Julie Estlinbaum

COUNCIL CHAMBERS | 1901 5th Street

Bay City is committed to developing and enhancing the long-term prosperity, sustainability, and health of the community.

AGENDA

CALL TO ORDER

CERTIFICATION OF QUORUM

PUBLIC COMMENTS

REGULAR ITEMS FOR DISCUSSION, CONSIDERATION AND / OR APPROVAL

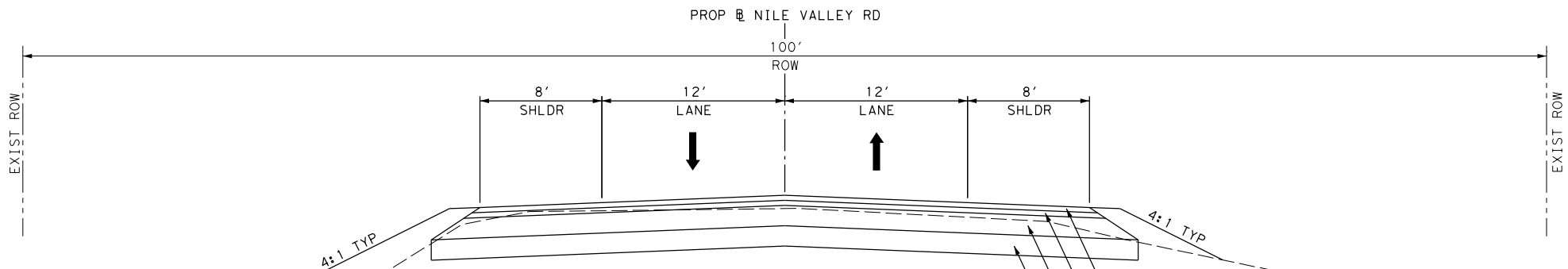
- 1. RECEIVE AN UPDATE ON THE CITY OF BAY CITY'S WATER QUALITY.**
(Barry Calhoun, Director of Public Works)
- 2. RECEIVE AN UPDATE ON THE NILE VALLEY ROAD PROJECT.**
(Barry Calhoun, Director of Public Works)

ADJOURNMENT

CERTIFICATION OF POSTING

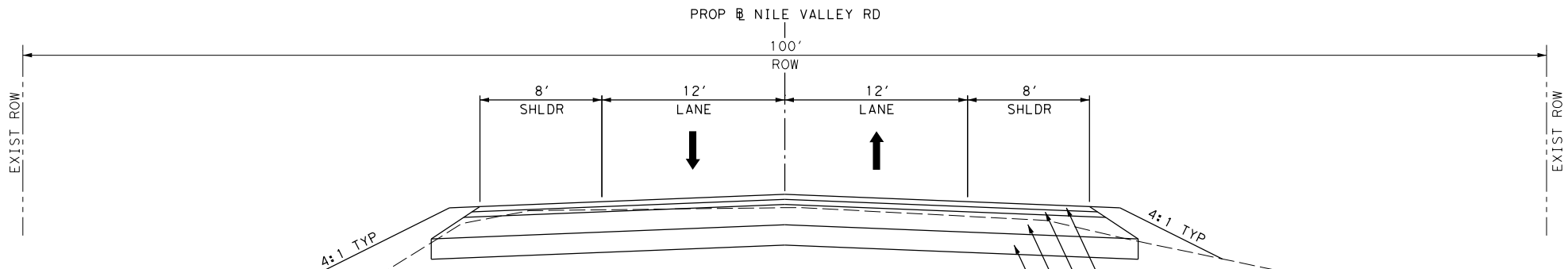
This is to certify that the above notice of a Regular Called Council Meeting was posted on the front window of the City Hall of the City of Bay City, Texas on **Friday, May 8, 2020 before 5:00 p.m.** Any questions concerning the above items, please contact Mayor Robert K. Nelson at (979) 245-2137.

DATE: 4/27/2020 10:15:57 AM
 FILE: \\jc-pw-bentley.com\jc-pw-01\Documents\Nile Valley Road\4 - Design\Plan Set\General\TYP_SEC_1.dgn



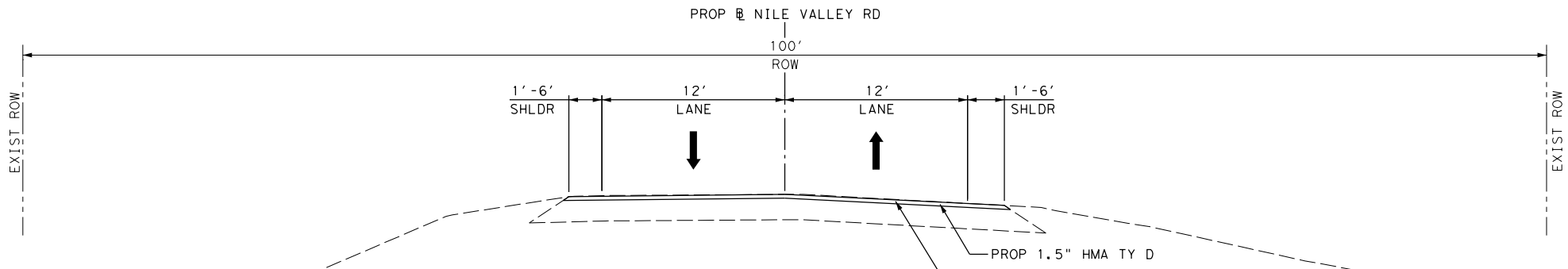
PROPOSED TYPICAL SECTION - PVMT ALT 1
 FULL RECONSTRUCTION
 SH 35 TO ROBERTS RD
 STA 101+36.96 TO STA 176+70.00
 STA 201+00.00 TO STA 229+93.77

- 2" HMAC TYPE "D" SURFACE COURSE
- 3.5" HMAC TYPE "C" LEVEL-UP
- 8" FLEX BASE (TYPE "A") (GRADE 1-2)
W/ TX5 GEOGRID
- 8" 6% LIME STABILIZED SUBGRADE
COMPACTED TO 95%
STANDARD PROCTOR DENSITY



PROPOSED TYPICAL SECTION - PVMT ALT 2
 RECONSTRUCTION - RECLAMATION W/ FOAMED ASPHALT
 SH 35 TO ROBERTS RD
 STA 101+36.96 TO STA 176+70.00
 STA 201+00.00 TO STA 229+93.77

- 1.5" HMAC TYPE "D" SURFACE COURSE
- 1.5" HMAC TYPE "C" LEVEL-UP
- 8" FLEX BASE WITH
8" FOAMED ASPHALT
WITH FOG SEAL & 50% RAP
- 8" 6% LIME STABILIZED SUBGRADE
COMPACTED TO 95%
STANDARD PROCTOR DENSITY



PROPOSED TYPICAL SECTION - PVMT ALT 3
 ROBERTS RD TO SH 60
 STA 229+93.77 TO STA 244+23.95

- PROP 1.5" HMA TY D
- MILL 1.5" OF EXIST PAVEMENT

SCALE: NTS

Date:			
Approved for AT&T underground conduit facilities only. Signature valid for one year.			
NO.	DATE	REVISION	APPROVED

THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT FOR CONSTRUCTION, BIDDING OR PERMIT PURPOSES.

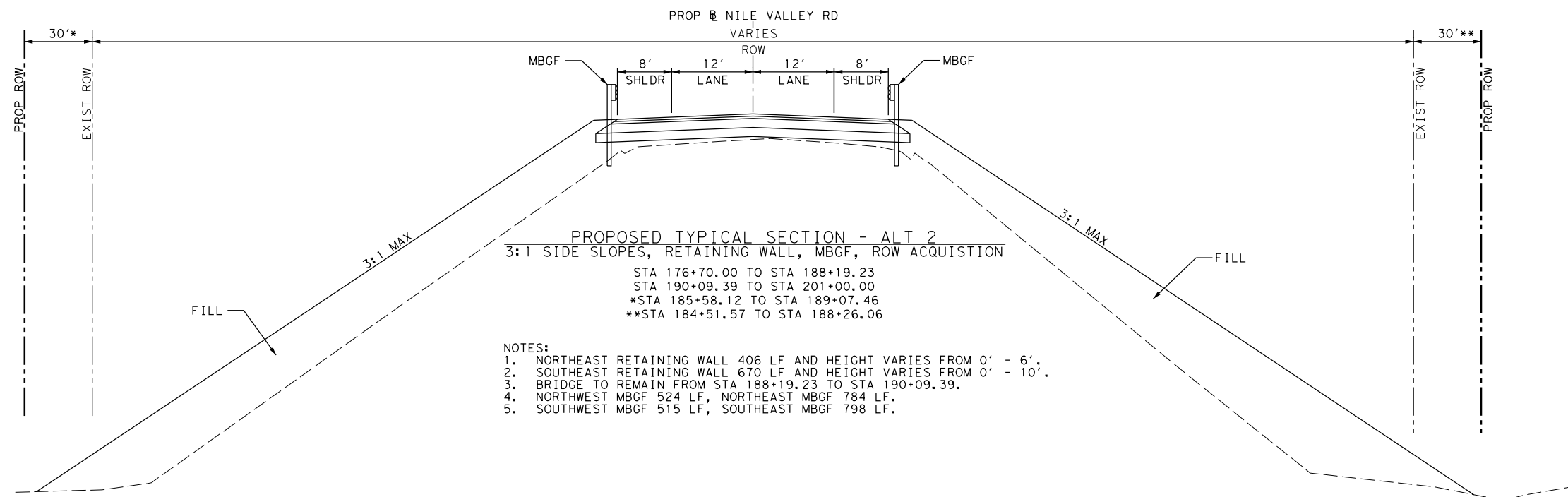
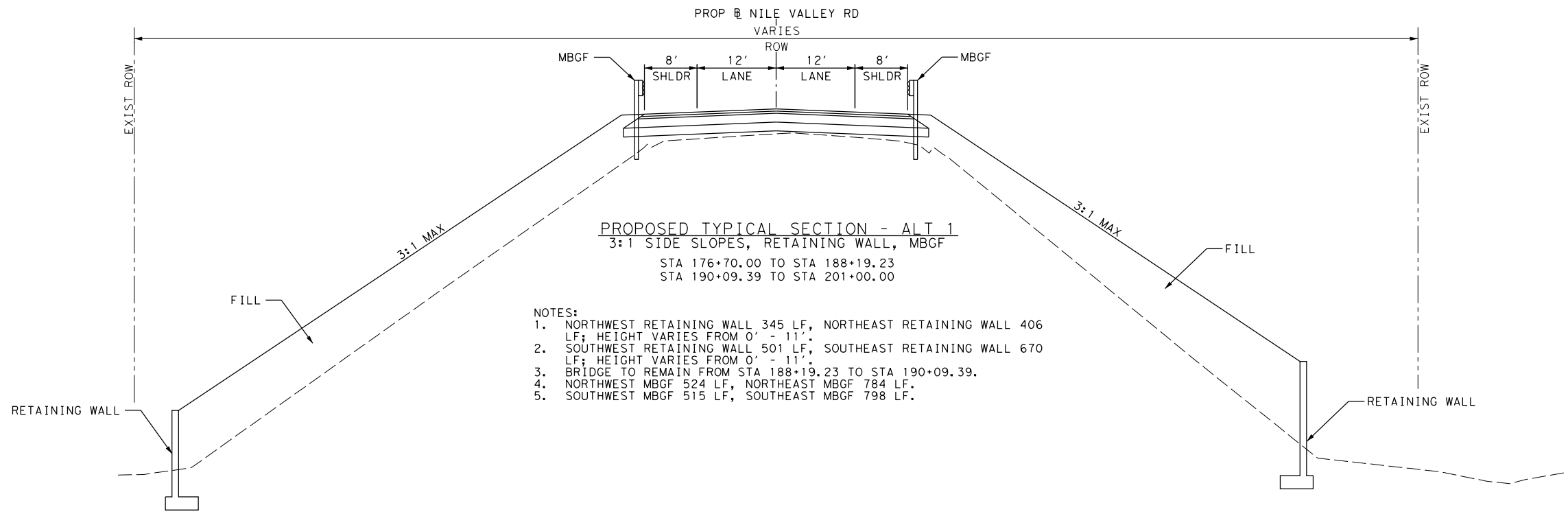
RESPONSIBLE ENGINEER:
 JONES AND CARTER, INC
 BRIAN T. GEIER, P.E.
 TEXAS REGISTRATION NO. 129554
 4/27/2020



NILE VALLEY ROAD
 TYPICAL SECTIONS

SHEET 1 OF 2

DRAWN	NILE VALLEY ROAD		SHEET NO.
BTG			
DESIGNED			
BTG			
CHECKED	CITY OF BAY CITY		1
LWL	STATE	COUNTY	
APPROVED	TEXAS	MATAGORDA	
DD			



SCALE: NTS

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BRIAN T. GEIER, P.E.
TEXAS REGISTRATION NO. 129554

4/27/2020

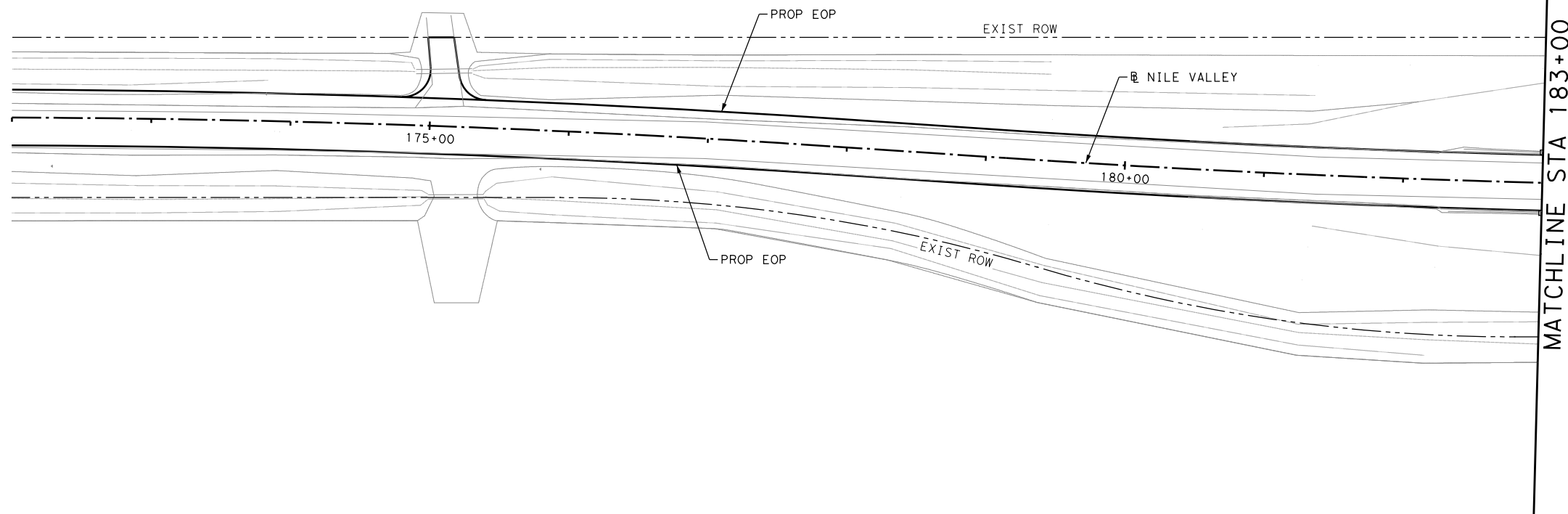
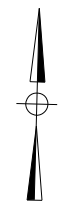
J|C JONES | CARTER
Texas Board of Professional Engineers Registration No. F-439
6330 West Loop South, Suite 150 • Belshire, Texas 77401 • 713.777.5337

**NILE VALLEY ROAD
TYPICAL SECTIONS**

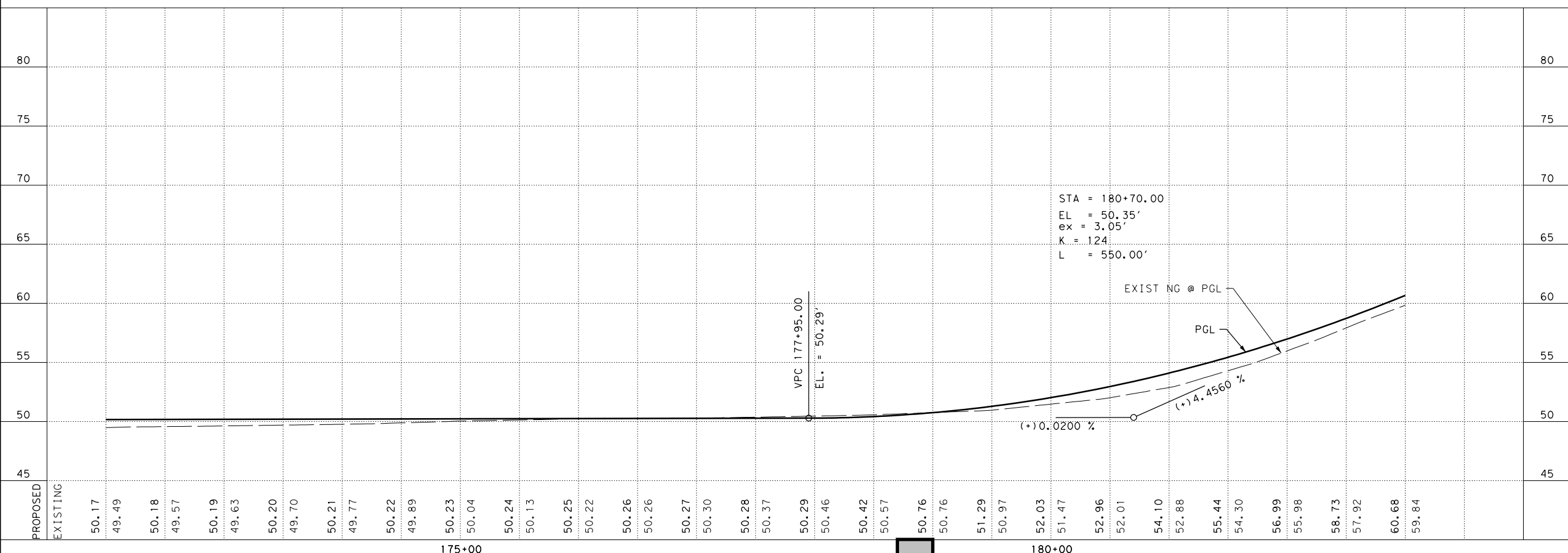
SHEET 2 OF 2

DRAWN	NILE VALLEY ROAD	SHEET NO.
BTG		
DESIGNED		
BTG		
CHECKED	CITY OF BAY CITY	
LWL		
APPROVED	STATE COUNTY	
DD	TEXAS MATAGORDA	

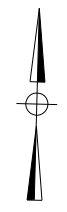
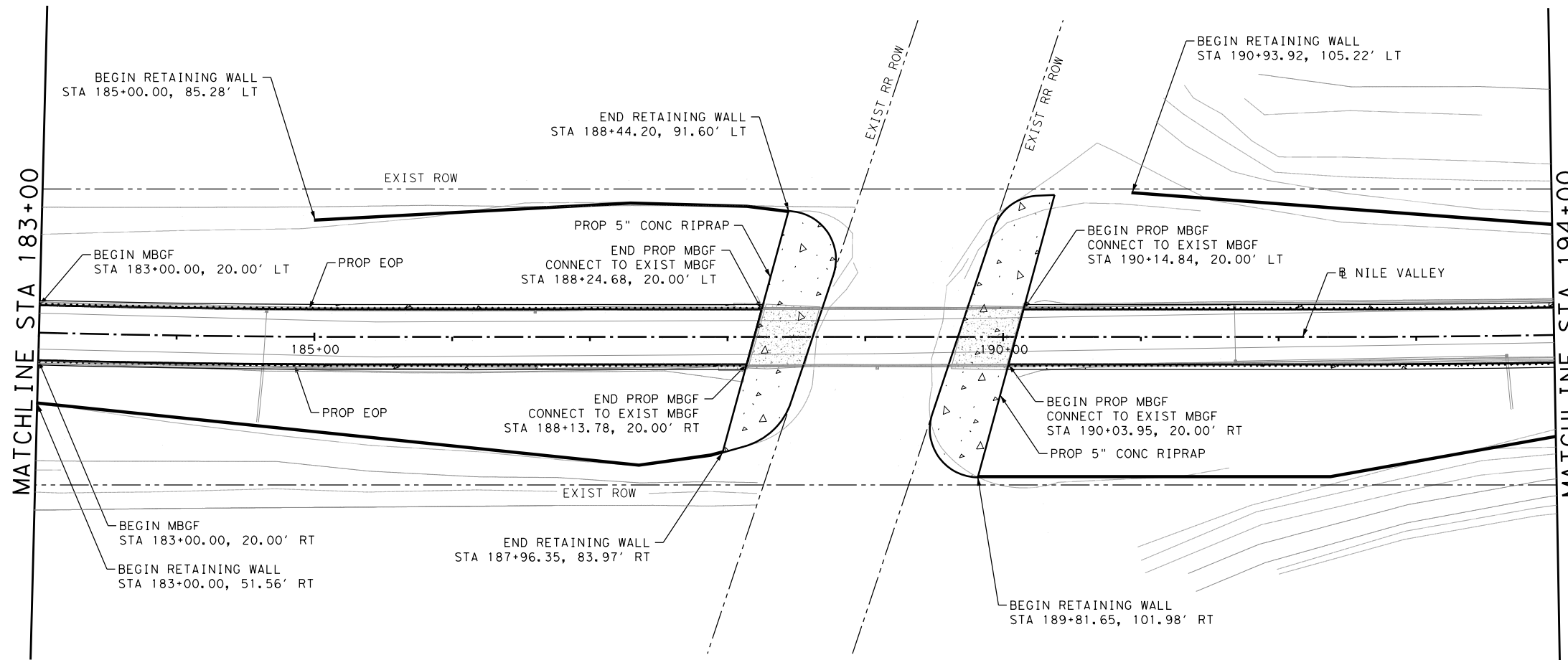
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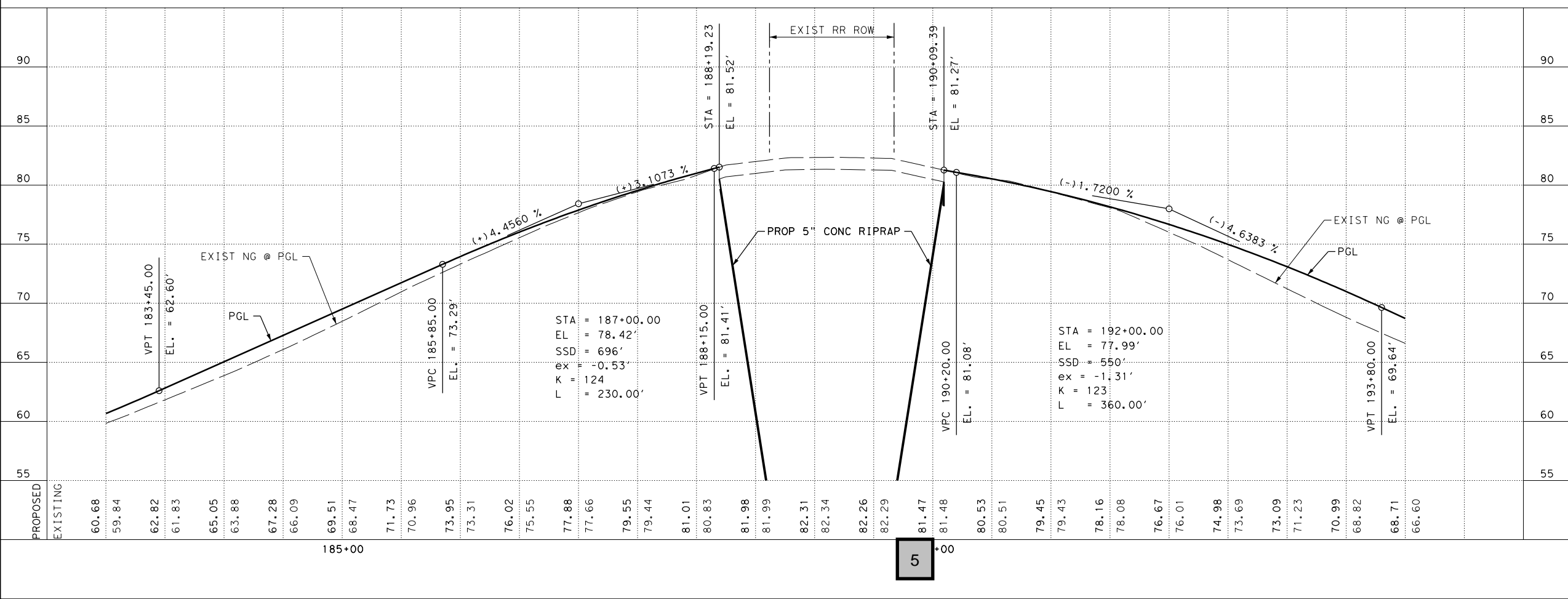
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JONES CARTER <small>Texas Board of Professional Engineers Registration No. F-439 6330 West Loop South, Suite 150 • Belshire, Texas 77401 • 713.777.5337</small>			
<p>NILE VALLEY ROAD ALTERNATIVE 1 PLAN & PROFILE EXHIBIT STA 172+00 TO STA 183+00</p>			
SHEET 1 OF 3			
DRAWN	NILE VALLEY ROAD		SHEET NO.
BTG			
DESIGNED			
BTG			
CHECKED	CITY OF BAY CITY		
LWL	STATE	COUNTY	
APPROVED	TEXAS	MATAGORDA	
DD			

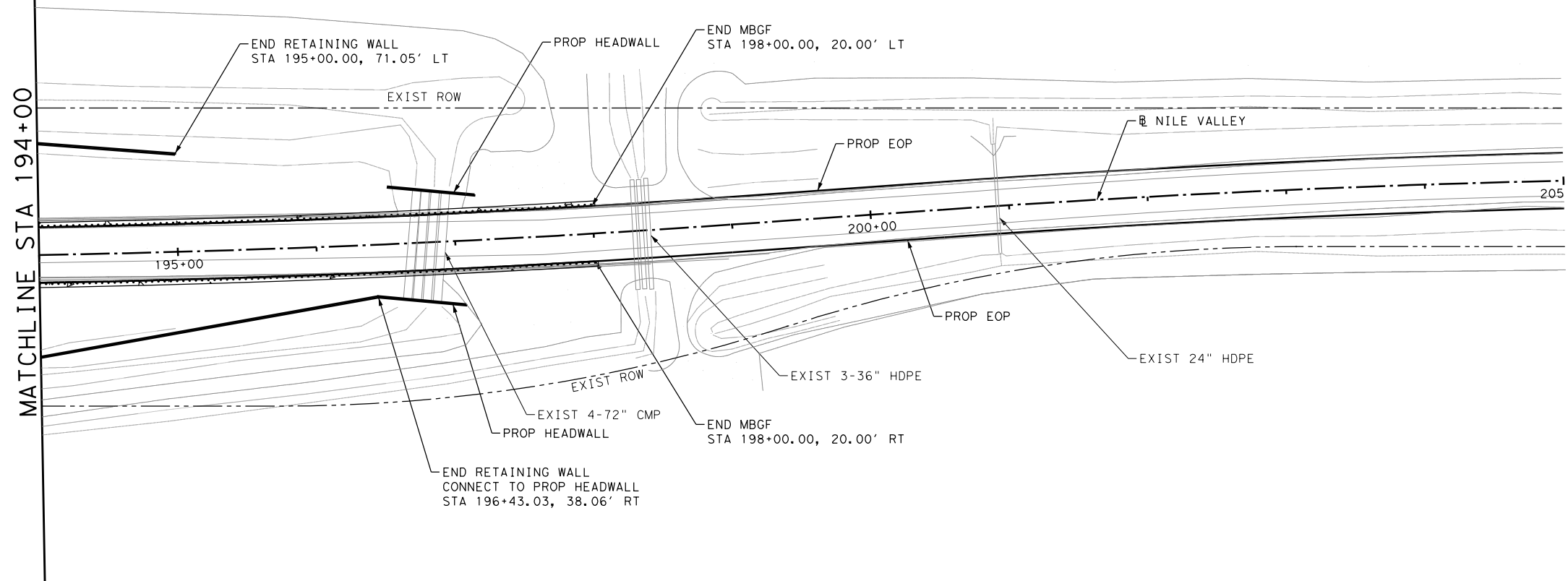


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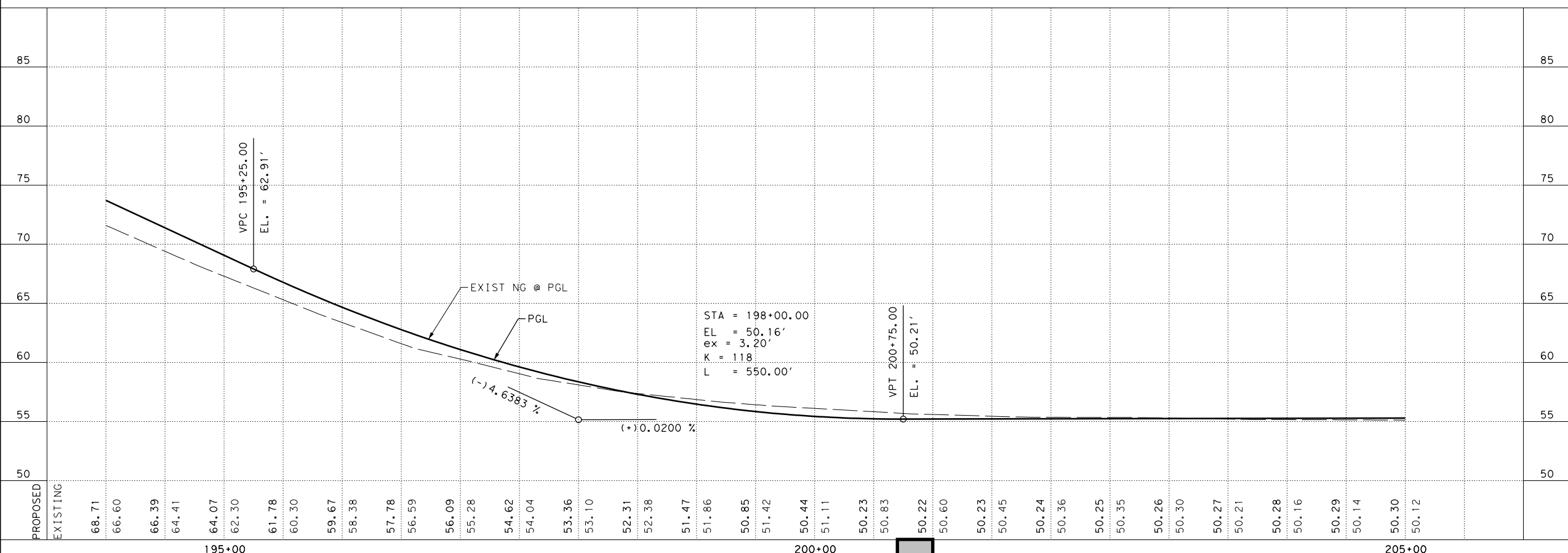


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<p>NILE VALLEY ROAD ALTERNATIVE 1 PLAN & PROFILE EXHIBIT STA 183+00 TO STA 194+00</p>			
SHEET 2 OF 3			
DRAWN	NILE VALLEY ROAD		SHEET NO.
BTG			
DESIGNED			
BTG			
CHECKED	CITY OF BAY CITY		
LWL	STATE	COUNTY	
APPROVED	TEXAS	MATAGORDA	
DD			

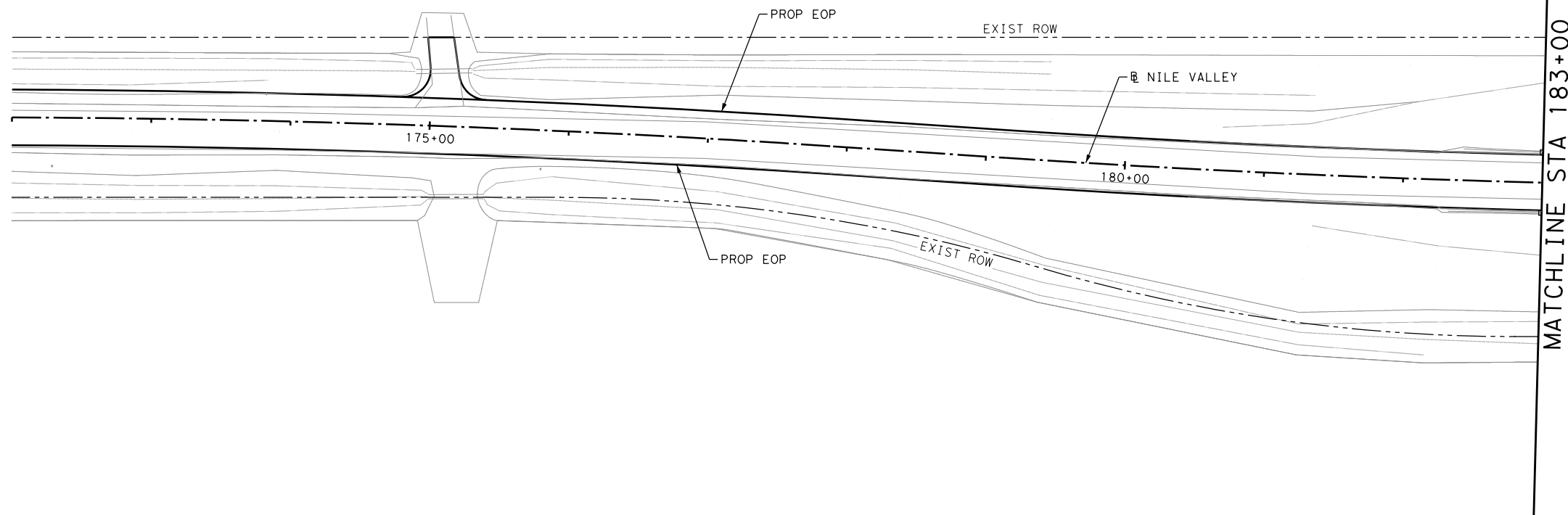
MATCHLINE STA 194+00



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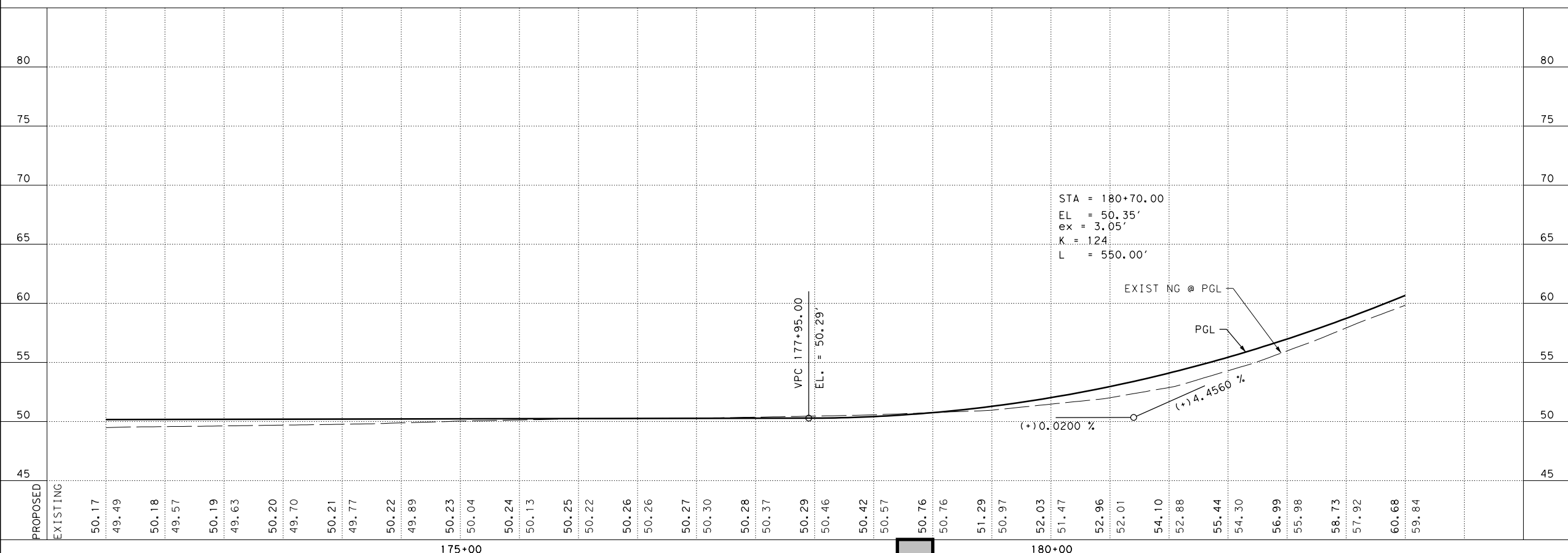


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<p>NILE VALLEY ROAD ALTERNATIVE 1 PLAN & PROFILE EXHIBIT STA 194+00 TO STA 205+00</p>			
SHEET 3 OF 3			
DRAWN	NILE VALLEY ROAD		SHEET NO.
BTG			
DESIGNED			
BTG			
CHECKED	CITY OF BAY CITY		
LWL	STATE	COUNTY	
APPROVED	TEXAS	MATAGORDA	
DD			

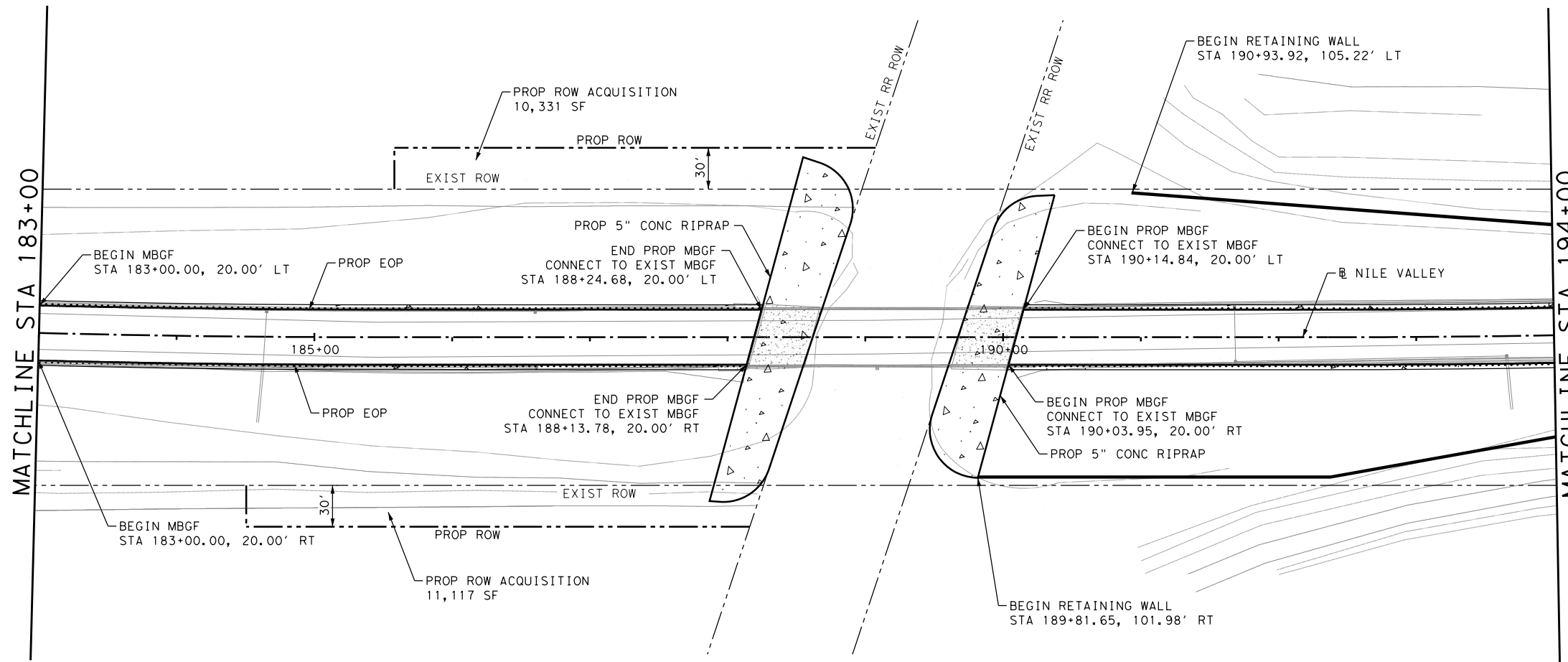


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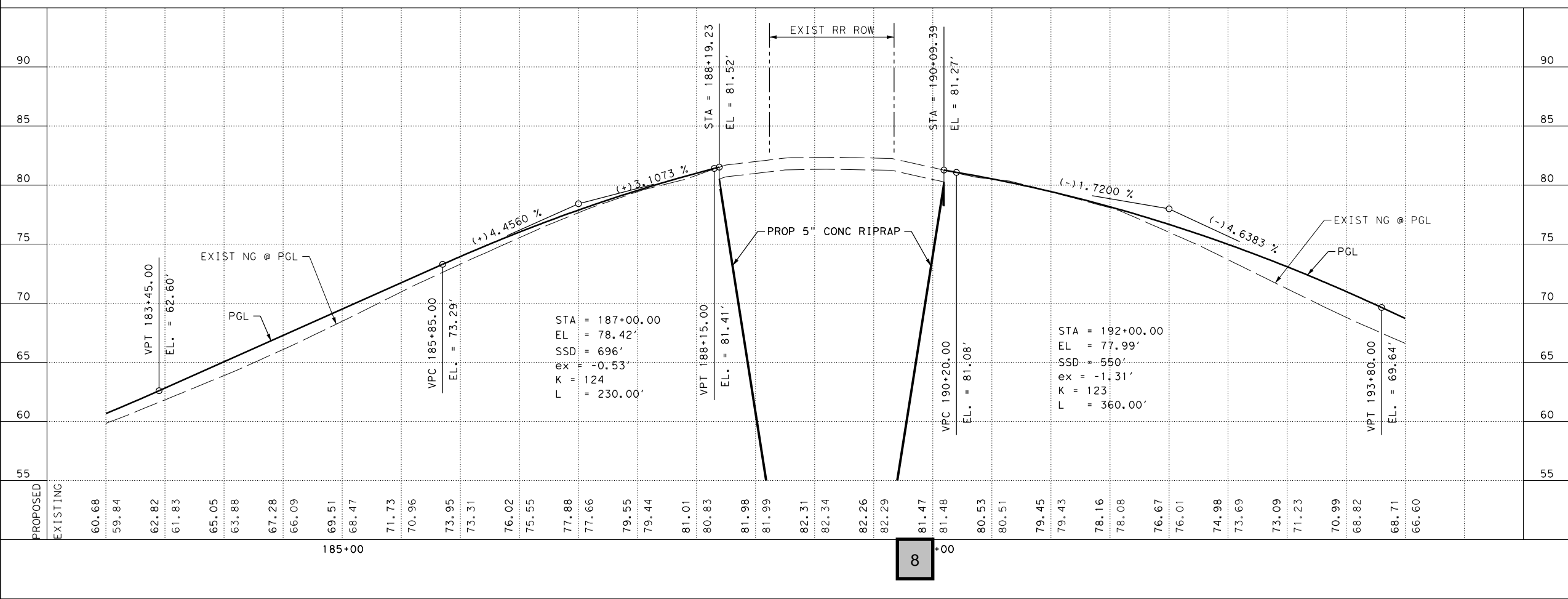
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JONES & CARTER <small>Texas Board of Professional Engineers Registration No. F-439 6330 West Loop South, Suite 150 • Belshire, Texas 77401 • 713.777.5337</small>			
<p>NILE VALLEY ROAD ALTERNATIVE 2 PLAN & PROFILE EXHIBIT STA 172+00 TO STA 183+00</p>			
SHEET 1 OF 3			
DRAWN	NILE VALLEY ROAD		SHEET NO.
BTG			
DESIGNED			
BTG			
CHECKED	CITY OF BAY CITY		
LWL	STATE	COUNTY	
APPROVED	TEXAS	MATAGORDA	
DD			



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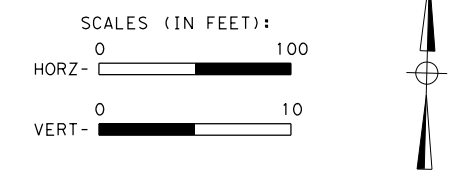
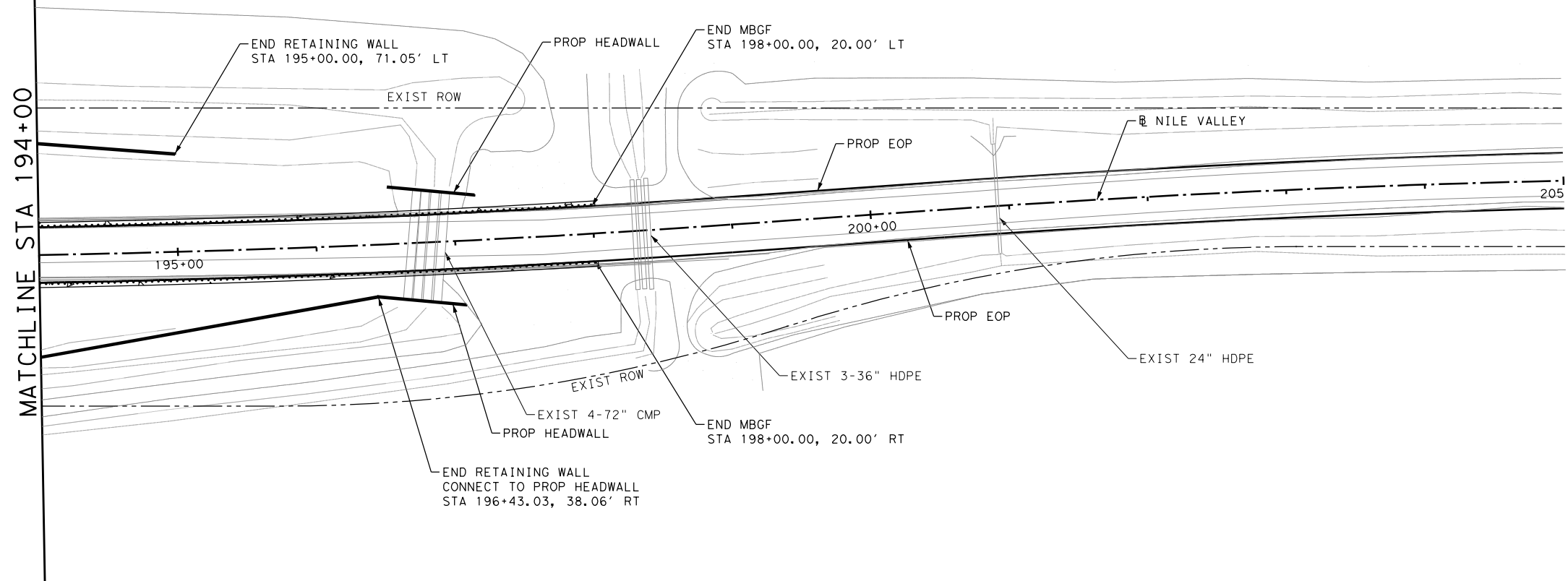
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**NILE VALLEY ROAD
 ALTERNATIVE 2
 PLAN & PROFILE EXHIBIT
 STA 183+00 TO STA 194+00**

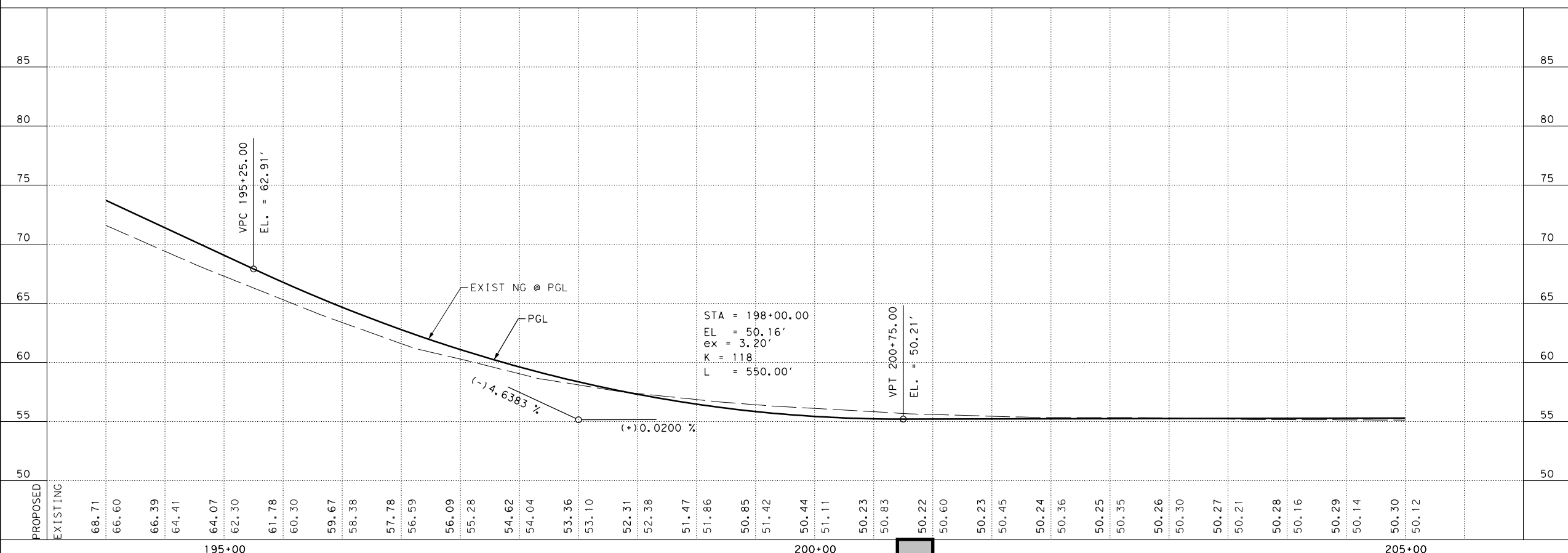
SHEET 2 OF 3

DRAWN	NILE VALLEY ROAD		SHEET NO.
BTG			
DESIGNED	CITY OF BAY CITY		
BTG			
CHECKED	STATE	COUNTY	
APPROVED	TEXAS	MATAGORDA	

MATCHLINE STA 194+00



DATE: 4/27/2020 10:17:07 AM
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<p>NILE VALLEY ROAD ALTERNATIVE 2 PLAN & PROFILE EXHIBIT STA 194+00 TO STA 205+00</p>			
SHEET 3 OF 3			
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APPROVED	TEXAS	MATAGORDA	
DD			

2.

PROGRAM ESTIMATE

TYPE: NILE VALLEY ROAD RECONSTRUCTION AND OVERLAY

LENGTH: FEET = 14287
MILES = 2.71
LIMITS: SH 35 TO SH 60

PREPARED BY: BTG

Date: 04/27/20

DESCRIPTION	UNIT	QTY	PRICE	AMOUNT
BASE TOTAL (OVERLAY FROM ROBERTS TO SH60 & MISC CONSTRUCTION ITEMS)				
PREPARING ROW	STA	140.00	\$3,200.00	\$448,000.00
PLANE ASPH CONC PAV (1.5")	SY	5875.00	\$1.90	\$11,162.50
BROADCAST SEED (TEMP) (WARM)	AC	12.54	\$400.00	\$5,016.00
FERTILIZER	AC	12.54	\$750.00	\$9,405.00
VEGETATIVE WATERING	MG	2125.00	\$15.00	\$31,875.00
RC PIPE (CL III)(24 IN)	LF	556.00	\$83.00	\$46,148.00
INLET(COMPL)(PAZD)(FG)(3FTX3FT-3FTX3FT)	EA	6.00	\$4,600.00	\$27,600.00
REMOV STR (INLET)	EA	6.00	\$800.00	\$4,800.00
REMOV STR (PIPE)	LF	556.00	\$15.00	\$8,340.00
MOBILIZATION	LS	1.00	\$66,510.75	\$66,510.75
BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	6.00	\$6,500.00	\$39,000.00
ROCK FILTER DAMS (INSTALL) (TY 3)	LF	60.00	\$50.00	\$3,000.00
ROCK FILTER DAMS (REMOVE)	LF	60.00	\$9.00	\$540.00
TEMP SEDMT CONT FENCE (INSTALL)	LF	2612.00	\$2.40	\$6,268.80
TEMP SEDMT CONT FENCE (REMOVE)	LF	2612.00	\$0.80	\$2,089.60
BIODEG EROSN CONT LOGS (INSTL) (12")	LF	138.00	\$4.50	\$621.00
BIODEG EROSN CONT LOGS (REMOVE)	LF	138.00	\$1.50	\$207.00
REMOVE METAL BEAM GUARD FENCE	LF	2987.00	\$2.65	\$7,915.55
REMOVE TERMINAL ANCHOR SECTION	EA	4.00	\$250.00	\$1,000.00
IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	3.00	\$600.00	\$1,800.00
REFL PAV MRK TY I (W)4"(SLD)(090MIL)	LF	28846.00	\$0.70	\$20,192.20
REFL PAV MRK TY I (W)24"(SLD)(090MIL)	LF	64.00	\$6.50	\$416.00

2.	DESCRIPTION	UNIT	QTY	PRICE	AMOUNT
	REFL PAV MRK TY I (Y)4"(SLD)(090MIL)	LF	28614.00	\$0.70	\$20,029.80
	PAV SURF PREP FOR MRK (4")	LF	57460.00	\$0.10	\$5,746.00
	PAV SURF PREP FOR MRK (24")	LF	64.00	\$1.00	\$64.00
	REFL PAV MRKR TY II-A-A	EA	957.00	\$3.00	\$2,871.00
	BASE SUBTOTAL				\$770,618.20
	CONTINGENCY (15%)				\$115,592.73
	BASE TOTAL				\$886,210.92

PAVEMENT CONSTRUCTION ALTERNATIVES

ALTERNATIVE 1 (PAVEMENT RECONSTRUCTION NEW MATERIAL)

	REMOVING STAB BASE & ASPH PAV (12")	SY	56456.00	\$5.50	\$310,508.00
	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	13293.00	\$65.00	\$864,045.00
	LIME (HYDRATED LIME (DRY))	TON	1309.00	\$180.00	\$235,620.00
	LIME TRT (EXST MATL)(8")	SY	65413.00	\$4.00	\$261,652.00
	PRIME COAT (RC-250)	GAL	19624.00	\$4.75	\$93,214.00
	D-GR HMA TY-C PG76-22	TON	11044.00	\$90.00	\$993,960.00
	D-GR HMA TY-D PG76-22	TON	6705.00	\$85.00	\$569,925.00
	MOBILIZATION	LS	1.00	\$332,892.40	\$332,892.40
	PAVEMENT ALTERNATIVE 1 SUBTOTAL				\$3,661,816.40
	CONTINGENCY (15%)				\$549,272.46
	PAVEMENT ALTERNATIVE 1 TOTAL				\$4,211,088.86

ALTERNATIVE 2 (RECLAIMED FOAMED ASPHALT BASE)

	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	6647.00	\$65.00	\$432,055.00
	LIME (HYDRATED LIME (DRY))	TON	1309.00	\$180.00	\$235,620.00
	LIME TRT (EXST MATL)(8")	SY	65413.00	\$4.00	\$261,652.00
	REMOVING STAB BASE AND ASPH PAV(8")	SY	56456.00	\$3.50	\$197,596.00
	PLANE ASPH CONC PAV (4")	SY	56456.00	\$2.75	\$155,254.00
	PRIME COAT (RC-250)	GAL	19624.00	\$4.75	\$93,214.00
	FOG SEAL (CSS-1H)	GAL	5384.00	\$4.00	\$21,536.00
	ASPH (TIER II)	GAL	23927.00	\$3.00	\$71,781.00

2.	DESCRIPTION	UNIT	QTY	PRICE	AMOUNT
	AGGR(TY-B GR-3 SAC-A)	CY	332.00	\$95.00	\$31,540.00
	D-GR HMA TY-C PG76-22	TON	4733.00	\$90.00	\$425,970.00
	D-GR HMA TY-D PG76-22	TON	5132.00	\$85.00	\$436,220.00
	ASPH BINDER(PG 64-22)	GAL	17945.00	\$2.90	\$52,040.50
	FOAMED ASPHALT TREAT (8") (DC)	SY	59816.00	\$13.00	\$777,608.00
	MOBILIZATION	LS	1.00	\$319,208.65	\$319,208.65
	PAVEMENT ALTERNATIVE 2 SUBTOTAL				\$3,511,295.15
	CONTINGENCY (15%)				\$526,694.27
	PAVEMENT ALTERNATIVE 2 TOTAL				\$4,037,989.42
BRIDGE APPROACH ALTERNATIVES					
BRIDGE APPROACH ALTERNATIVE 1 (3:1 SIDE SLOPES, RETAINING WALL, MBGF)					
	EXCAVATION (ROADWAY)	CY	5500.00	\$7.50	\$41,250.00
	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	29422.00	\$8.00	\$235,376.00
	RETAINING WALL (MSE)	SF	12930.00	\$55.00	\$711,150.00
	RIPRAP (CONC)(5 IN)	CY	226.00	\$440.00	\$99,440.00
	RIPRAP (MOW STRIP)(4 IN)	CY	114.00	\$430.00	\$49,020.00
	MTL W-BEAM GD FEN (TIM POST)	LF	2420.00	\$20.00	\$48,400.00
	GUARDRAIL END TREATMENT (INSTALL)	EA	4.00	\$2,750.00	\$11,000.00
	MOBILIZATION	LS	1.00	\$119,563.60	\$119,563.60
	BRIDGE APPROACH ALTERNATIVE 1 SUBTOTAL				\$1,315,199.60
	CONTINGENCY (15%)				\$197,279.94
	BRIDGE APPROACH ALTERNATIVE 1 TOTAL				\$1,512,479.54
ALTERNATIVE 2 (3:1 SIDE SLOPES, ROW ACQUISITION, RETAINING WALL, MBGF)					
	ROW ACQUISITION	SF	21448.00	\$1.00	\$21,448.00
	EXCAVATION (ROADWAY)	CY	5500.00	\$7.50	\$41,250.00
	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	31835.00	\$8.00	\$254,680.00
	RETAINING WALL (MSE)	SF	6747.00	\$55.00	\$371,085.00

2.	DESCRIPTION	UNIT	QTY	PRICE	AMOUNT
	RIPRAP (CONC)(5 IN)	CY	277.00	\$440.00	\$121,880.00
	RIPRAP (MOW STRIP)(4 IN)	CY	114.00	\$430.00	\$49,020.00
	MTL W-BEAM GD FEN (TIM POST)	LF	2420.00	\$20.00	\$48,400.00
	GUARDRAIL END TREATMENT (INSTALL)	EA	4.00	\$2,750.00	\$11,000.00
	MOBILIZATION	LS	1.00	\$89,731.50	\$89,731.50
	BRIDGE APPROACH ALTERNATIVE 2 SUBTOTAL				\$1,008,494.50
	CONTINGENCY (15%)				\$151,274.18
	BRIDGE APPROACH ALTERNATIVE 2 TOTAL				\$1,159,768.68
	SUBTOTAL BASE + PAVEMENT ALT 1 + BRIDGE APPROACH ALT 1				\$5,747,634.20
	CONTINGENCY (15%)				\$862,145.13
	TOTAL BASE + PAVEMENT ALT 1 + BRIDGE APPROACH ALT 1				\$6,609,779.32
	SUBTOTAL BASE + PAVEMENT ALT 1 + BRIDGE APPROACH ALT 2				\$5,440,929.10
	CONTINGENCY (15%)				\$816,139.36
	TOTAL BASE + PAVEMENT ALT 1 + BRIDGE APPROACH ALT 2				\$6,257,068.46
	SUBTOTAL BASE + PAVEMENT ALT 2 + BRIDGE APPROACH ALT 1				\$5,597,112.95
	CONTINGENCY (15%)				\$839,566.94
	TOTAL BASE + PAVEMENT ALT 2 + BRIDGE APPROACH ALT 1				\$6,436,679.89
	SUBTOTAL BASE + PAVEMENT ALT 2 + BRIDGE APPROACH ALT 2				\$5,290,407.85
	CONTINGENCY (15%)				\$793,561.18
	TOTAL BASE + PAVEMENT ALT 2 + BRIDGE APPROACH ALT 2				\$6,083,969.02

2.



MSE Retaining Wall: I-35E @ Market Center Blvd (Dallas)



MSE Retaining Wall: IH 610 @ Bissonnet St (Houston)



MSE Retaining Wall: I-10 @ Katy Fort Bend Rd (Katy)