

KINGS RIVER SEDIMENTATION REMOVAL

1. KINGS RIVER CONSERVATION DISTRICT (KRCDD) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.

2. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS, PROJECT SPECIFICATIONS AND KRCDD SPECIFICATIONS.

3. CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCEMENT OF ANY WORK. CALL UNDERGROUND SERVICES ALERT (CUSA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.

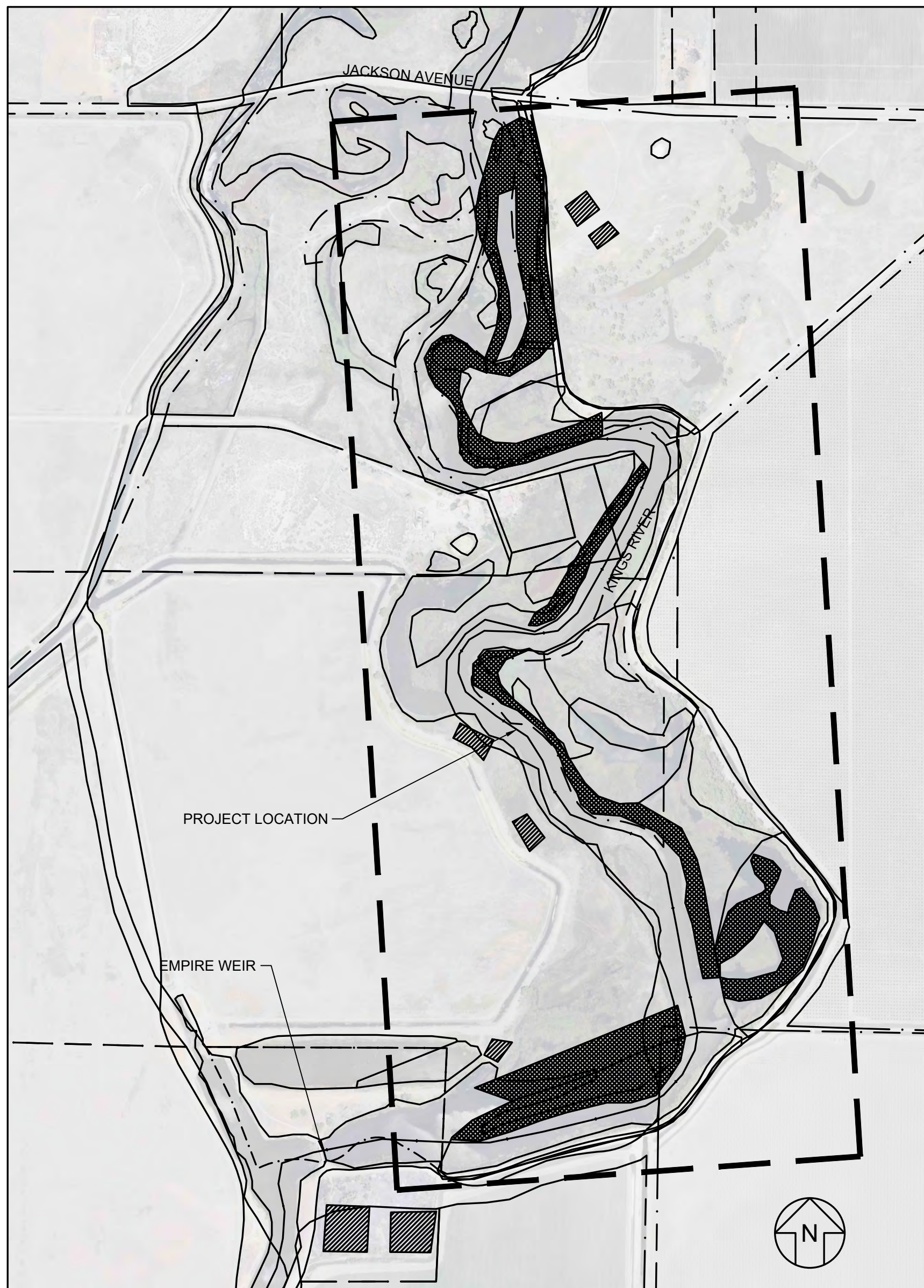
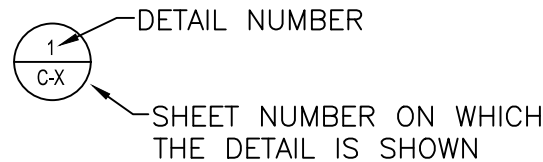
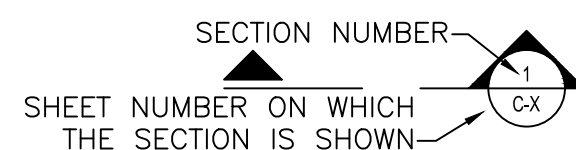
4. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.



APPROX	APPROXIMATE	O&M	OPERATIONS AND MAINTENANCE
APN	ASSESSOR'S PARCEL NUMBER	PROP	PROPOSED
AVE	AVENUE	P	POINT OF INTERSECTION
BDRY	BOUNDARY	PL	PROPERTY LINE
BTM	BOTTOM	RD	ROAD
CA	CALIFORNIA	REQD	REQUIRED
CFS	CUBIC FEET PER SECOND	RS	RIVER STATION
CLR	CLEAR, CLEARANCE	RT	RIGHT
CONST	CONSTRUCT/CONSTRUCTION	R/W	RIGHT OF WAY
CU	CUBIC	(S)	SOUTH
CY	CUBIC YARDS	S	SLOPE
DIM	DIMENSION	SEC	SECTION
D/S	DOWN STREAM	SF	SQUARE FEET
DWG	DRAWING	SPEC	SPECIFICATION
(E)	EAST	SQ	SQUARE
EX	EXISTING	STA	STATION
EG	EXISTING GRADE	STD	STANDARD
EL	ELEVATION	STRC	STRUCTURE
FG	FINISHED GRADE	SWL	SWALE
FT	FOOT/FEET	TB	TOP OF BANK
HORIZ	HORIZONTAL	THL	THALWEG
KRCD	KINGS RIVER CONSERVATION DISTRICT	TOE	TOE OF SLOPE
LCW	LONG CRESTED WEIR	TOP	TOP OF SLOPE
LF	LINEAR FEET	TYP	TYPICAL
LT	LEFT	U/S	UPSTREAM
MAX	MAXIMUM	VERT	VERTICAL
MIN	MINIMUM	(W)	WEST
MISC	MISCELLANEOUS	W	WATER
(N)	NORTH	WL	WATER LINE
NAVD	NORTH AMERICAN VERTICAL DATUM		
NGVD	NATIONAL GEODETIC VERTICAL DATUM		
NTS	NOT TO SCALE		

---	EX STREAM
— — — — —	"RS" THALWEG/CENTERLINE
=====	BOUNDARY LINE
- - - - -	PROPERTY LINE
- - - - -	RIGHT-OF-WAY
— — — — —	SECTION LINE

 POINT MARKER



SITE MAP

NOT TO SCALE

- ALL WORK SHALL BEGIN AT THE EMPIRE WEIR AND PROCEED UPSTREAM.
- ONCE THE SEDIMENT REMOVAL AREAS ARE FLAGGED BY THE CONTRACTOR AND APPROVED BY THE DISTRICT, THE CONTRACTOR CAN BEGIN CLEARING AND GRUBBING OPERATIONS.
- BEGIN CLEARING AND GRUBBING IN AREA A, THEN B, THEN C.
- ONCE AN AREA IS CLEARED AND GRUBBED, NOTIFY THE DISTRICT, WHO WILL HAVE THE AREA FLOWN FOR THE PRE-EXCAVATION SURVEY.
- EXCAVATION WILL PROCEED SIMILARLY TO CLEARING AND GRUBBING, STARTING IN AREA A.
- EXCAVATED MATERIALS WILL BE PLACED IN STOCKPILES. THE PRIMARY STOCKPILES ARE LOCATED AT THE DOWNSTREAM END OF THE PROJECT NEAR THE EMPIRE WEIR AND THE UPSTREAM END OF THE PROJECT NEAR JACKSON AVENUE.
- AS DIRECTED BY THE DISTRICT, SECONDARY STOCKPILES WITHIN THE LEVEES WILL BE USED IF NEEDED.
- WORK WILL CONTINUE TO PROGRESS IN AN UPSTREAM DIRECTION, OR AS DIRECTED BY THE DISTRICT.

SHEET INDEX		
SHEET NO.	DWG NO.	DESCRIPTION
1	T-1	TITLE AND NOTES SHEET
2	G-1	KEY MAP
3	C-1	SEDIMENT REMOVAL AREA "A"
4	C-2	SEDIMENT REMOVAL AREA "B"
5	C-3	SEDIMENT REMOVAL AREA "C"
6	C-4	CROSS SECTIONS
7	C-5	CROSS SECTIONS
8	C-6	CROSS SECTIONS
9	C-7	CROSS SECTIONS

APPROVALS

David Merritt, KRCD General Manager

Date



TITLE AND NOTES SHEET

KINGS RIVER SEDIMENT REMOVAL

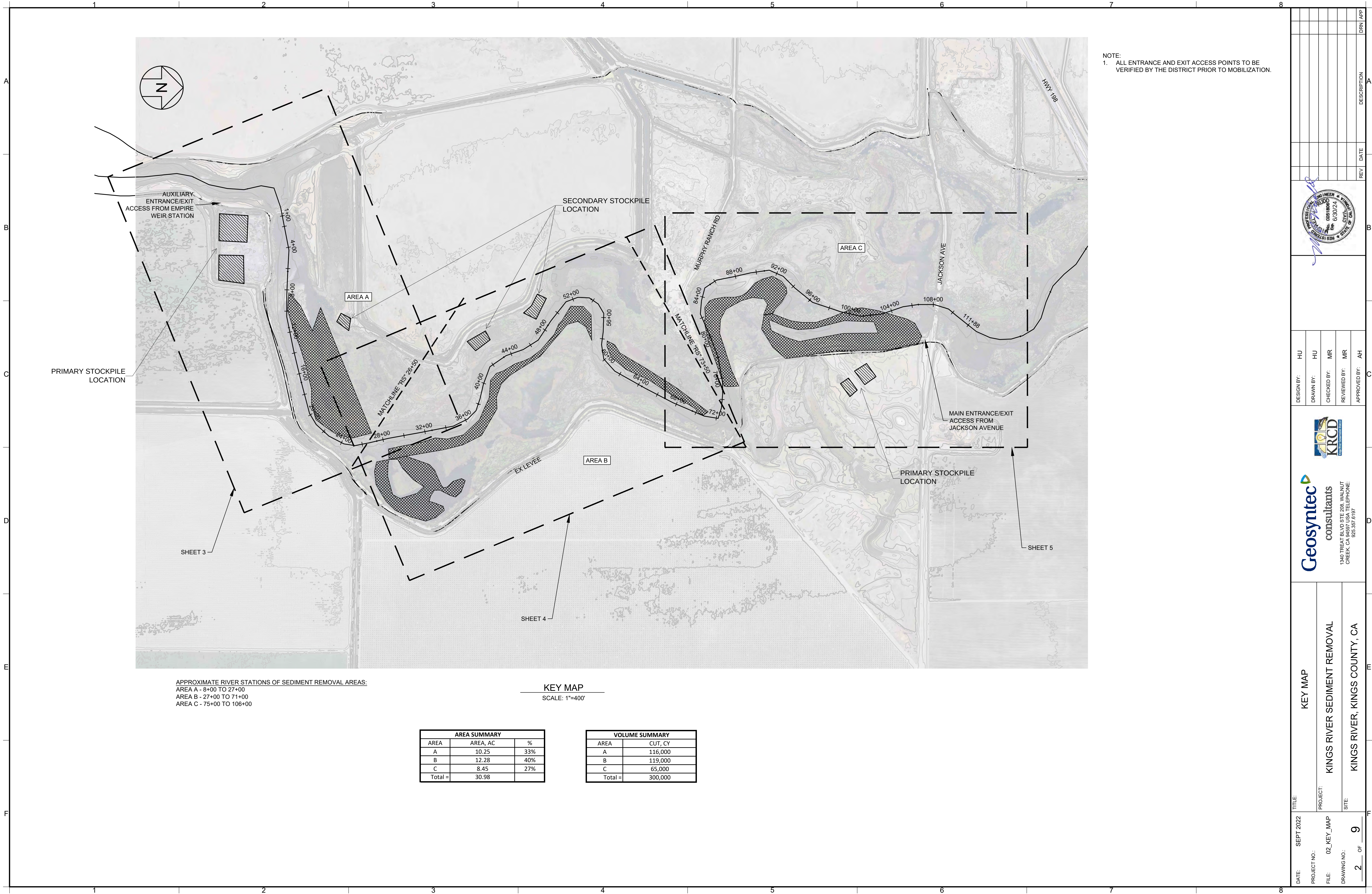
KINGS RIVER, KINGS COUNTY, CA

DATE: SEPT 2022

PROJECT NO.:

FILE: 01_TITLE_NOTES

109



APPROXIMATE RIVER STATIONS OF SEDIMENT REMOVAL AREAS:
AREA A - 8+00 TO 27+00
AREA B - 27+00 TO 71+00
AREA C - 75+00 TO 106+00

KEY MAP
SCALE: 1"=400'

AREA SUMMARY		
AREA	AREA, AC	%
A	10.25	33%
B	12.28	40%
C	8.45	27%
Total =	30.98	

VOLUME SUMMARY	
AREA	CUT, CY
A	116,000
B	119,000
C	65,000
Total =	300,000

NOTE:
1. ALL ENTRANCE AND EXIT ACCESS POINTS TO BE
VERIFIED BY THE DISTRICT PRIOR TO MOBILIZATION.

DATE: SEPT 2022

PROJECT NO.: 02_KEY_MAP

FILE: 02_KEY_MAP

DRAWING NO.: 2 OF 9

TITLE: KEY MAP

PROJECT: KINGS RIVER SEDIMENT REMOVAL

SITE: KINGS RIVER, KINGS COUNTY, CA

DESIGN BY: HU

DRAWN BY: HU

CHECKED BY: MR

REVIEWED BY: MR

APPROVED BY: AH



1340 TREAT BLVD STE 208 WALNUT CREEK, CA 94597 USA TELEPHONE: 925.357.6197



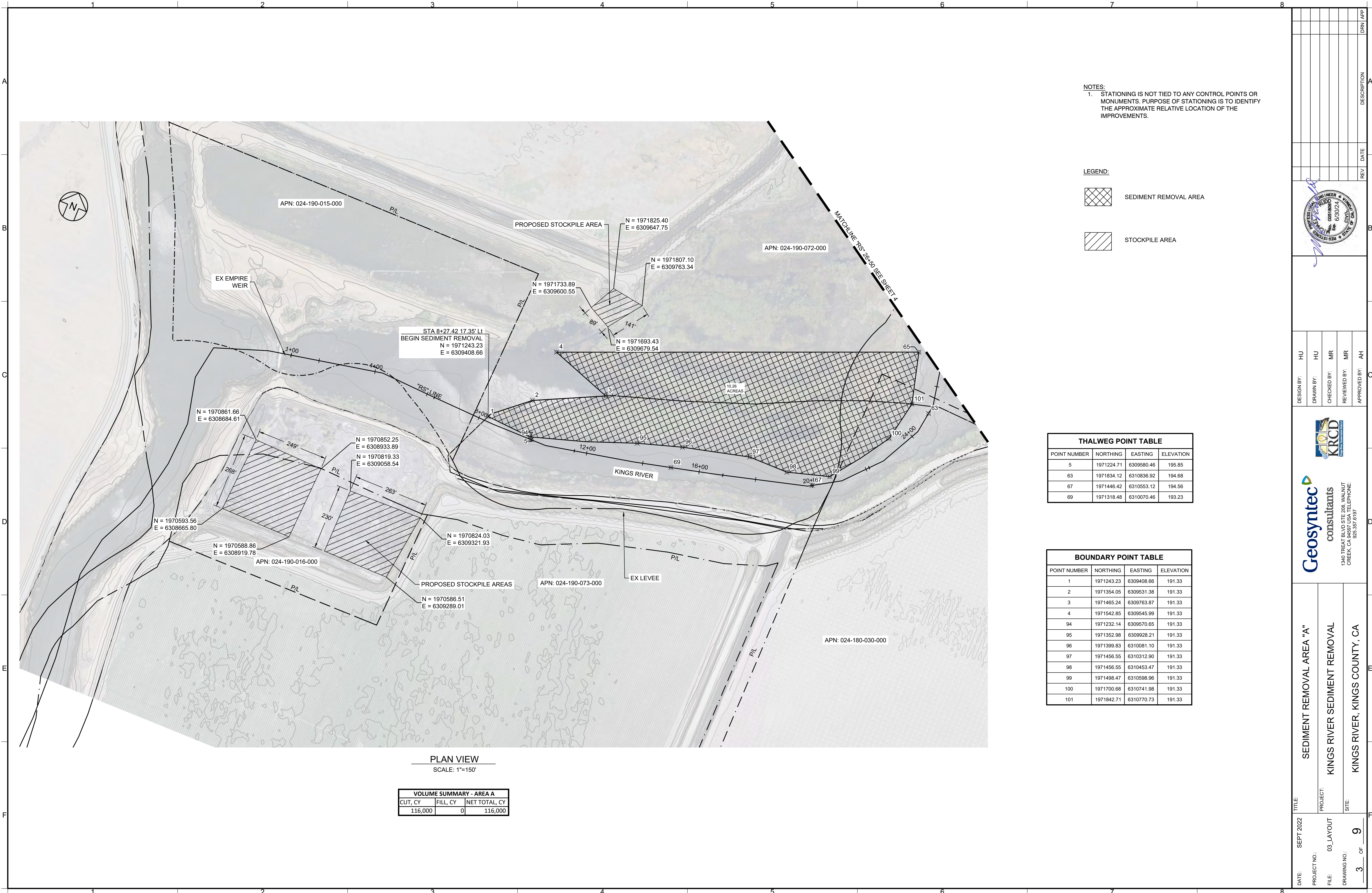


DRN / APP

DESCRIPTION

DATE

REV



STA 8+27.42 17.35' Lt
BEGIN SEDIMENT REMOVAL
N = 1971243.23
E = 6309408.66

N = 1970861.66
E = 6308684.61

N = 1970593.56
E = 6308665.80

N = 1970588.86
E = 6308919.78

N = 1970852.25
E = 6308933.89
N = 1970819.33
E = 6309058.54

N = 1970824.03
E = 6309321.93

N = 1970586.51
E = 6309289.01

N = 1971733.89
E = 6309600.55

N = 1971825.40
E = 6309647.75

N = 1971807.10
E = 6309763.34

N = 1971693.43
E = 6309679.54

NOTES:
1. STATIONING IS NOT TIED TO ANY CONTROL POINTS OR MONUMENTS. PURPOSE OF STATIONING IS TO IDENTIFY THE APPROXIMATE RELATIVE LOCATION OF THE IMPROVEMENTS.

LEGEND:
 SEDIMENT REMOVAL AREA
 STOCKPILE AREA

THALWEG POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
5	1971224.71	6309580.46	195.85
63	1971834.12	6310836.92	194.68
67	1971446.42	6310553.12	194.56
69	1971318.48	6310070.46	193.23

BOUNDARY POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
1	1971243.23	6309408.66	191.33
2	1971354.05	6309531.38	191.33
3	1971465.24	6309763.87	191.33
4	1971542.85	6309545.99	191.33
94	1971232.14	6309570.65	191.33
95	1971352.98	6309928.21	191.33
96	1971399.83	6310081.10	191.33
97	1971456.55	6310312.90	191.33
98	1971456.55	6310453.47	191.33
99	1971498.47	6310598.96	191.33
100	1971700.68	6310741.98	191.33
101	1971842.71	6310770.73	191.33

VOLUME SUMMARY - AREA A		
CUT, CY	FILL, CY	NET TOTAL, CY
116,000	0	116,000

DATE: SEPT 2022
PROJECT NO.:
FILE: 03_LAYOUT
DRAWING NO.: 3 OF 9

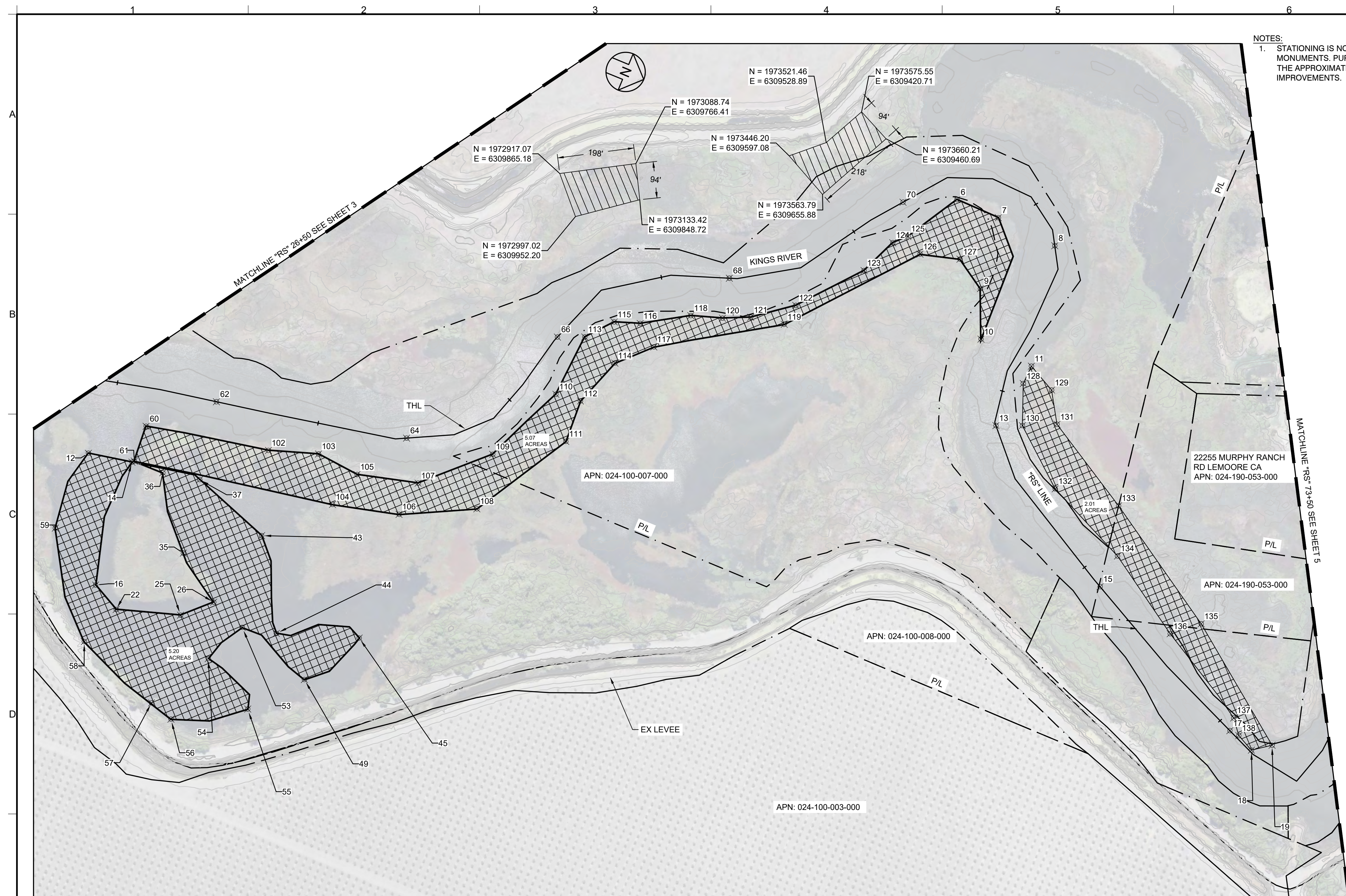
TITLE: SEDIMENT REMOVAL AREA "A"
PROJECT: KINGS RIVER SEDIMENT REMOVAL
SITE: KINGS RIVER, KINGS COUNTY, CA

DESIGN BY: HU
DRAWN BY: HU
CHECKED BY: MR
REVIEWED BY: MR
APPROVED BY: AH


1340 TREAT BLVD STE 208 WALNUT CREEK, CA 94597 USA
TELEPHONE: 925.357.6197



DESCRIPTION
REV
DATE
DRN / APP



THALWEG POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
24	1975156.87	6309355.58	193.06
28	1975629.11	6309213.65	194.29
34	1976052.52	6309412.95	195.27
42	1976505.97	6309604.91	196.20
48	1976991.88	6309544.33	196.40

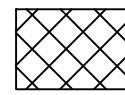
PLAN VIEW
SCALE: 1"=150'

VOLUME SUMMARY - AREA C		
CUT, CY	FILL, CY	NET TOTAL, CY
25,000	0	25,000
40,000	0	40,000
Total C =		65,000

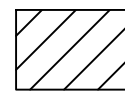
BOUNDARY POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
165	1975785.58	6309920.89	192.91
166	1975903.16	6310023.78	192.91
167	1975912.53	6309827.88	192.91
168	1975900.98	6309723.85	192.91
169	1975954.61	6309671.02	192.91
170	1976020.42	6309754.68	192.92
171	1976369.83	6309953.96	192.98
172	1976444.26	6309789.35	193.00
173	1976455.81	6309669.91	193.00
174	1976476.39	6309579.15	193.00
175	1976605.00	6309549.76	193.01
176	1976770.36	6309575.48	193.05
177	1976858.55	6309946.61	193.05
178	1977038.60	6309652.64	193.11

NOTES:
1. STATIONING IS NOT TIED TO ANY CONTROL POINTS OR MONUMENTS. PURPOSE OF STATIONING IS TO IDENTIFY THE APPROXIMATE RELATIVE LOCATION OF THE IMPROVEMENTS.

LEGEND:



SEDIMENT REMOVAL AREA



STOCKPILE AREA

BOUNDARY POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
20	1975328.37	6310284.72	192.50
21	1975466.20	6310283.32	192.50
23	1975200.50	6309825.62	195.42
27	1975490.86	6309481.88	192.75
29	1975493.32	6309435.02	192.75
38	1976189.78	6309885.72	192.95
39	1976166.84	6309743.12	192.95
40	1976031.98	6309866.42	192.94
41	1976038.14	6310009.67	192.94
46	1976733.23	6309681.47	193.05
47	1976771.76	6309785.50	193.05
50	1977115.77	6309693.06	193.11
51	1977152.51	6309880.47	193.11
52	1977181.91	6309814.33	193.11
139	1975397.15	6310135.36	192.55
140	1975174.72	6309844.02	192.60
141	1975286.18	6309787.66	192.60
142	1975139.44	6309674.70	192.65
143	1975152.34	6309643.73	192.65
144	1975293.58	6309659.43	192.65

BOUNDARY POINT TABLE			
POINT NUMBER	NORTHING	EASTING	ELEVATION
145	1975145.62	6309548.46	192.65
146	1975190.01	6309484.34	192.68
147	1975342.90	6309563.26	192.70
148	1975236.86	6309464.62	192.70
149	1975325.64	6309449.82	192.72
150	1975594.42	6309452.29	192.75
151	1975542.64	6309402.97	192.75
152	1975614.15	6309319.12	192.78
153	1975700.46	6309464.62	192.80
154	1975685.67	6309279.67	192.80
155	1975734.98	6309516.40	192.85
156	1975865.68	6309299.40	192.84
157	1975910.07	6309358.58	192.85
158	1975865.68	6309499.14	192.85
159	1975808.96	6309555.86	192.85
160	1975778.23	6309604.88	192.85
161	1975701.06	6309619.58	192.85
162	1975679.02	6309748.19	192.88
163	1975746.85	6309658.35	192.85
164	1975769.97	6309762.38	192.91

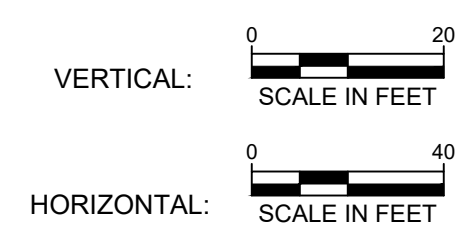
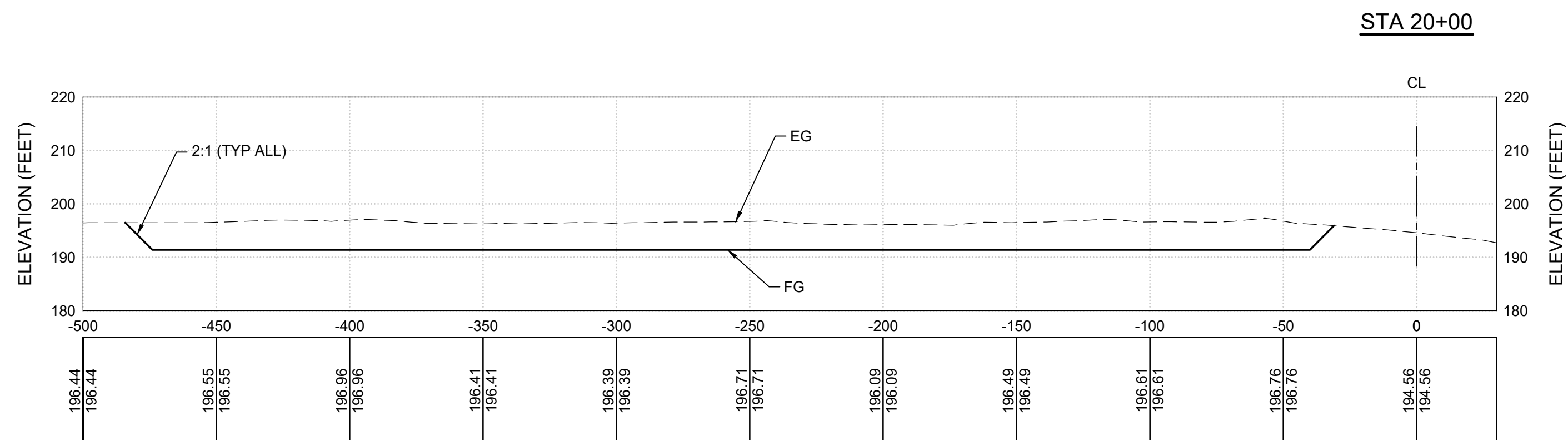
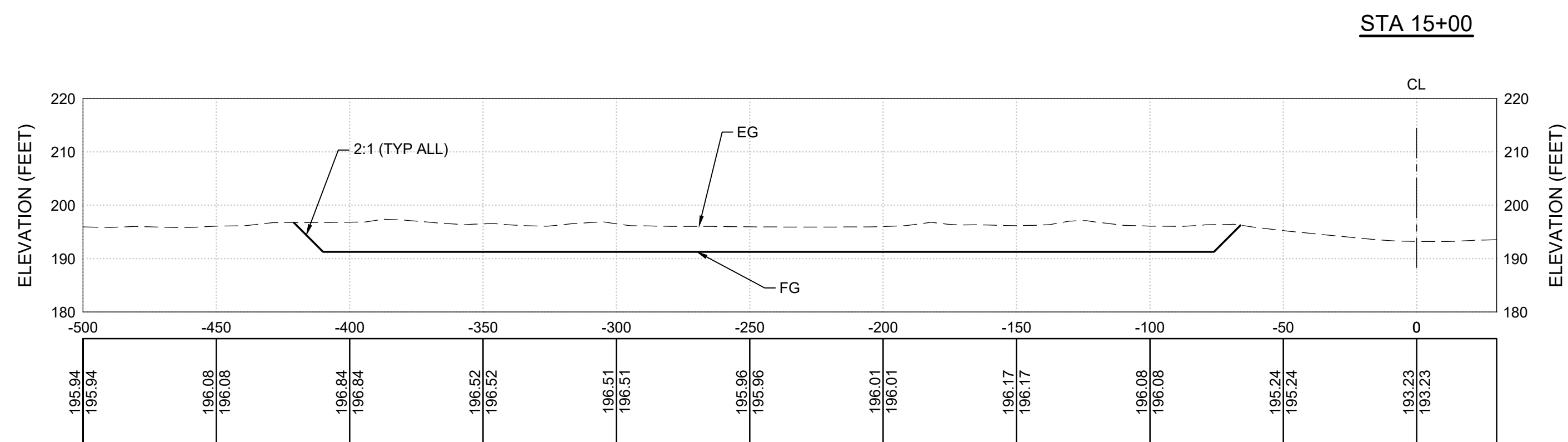
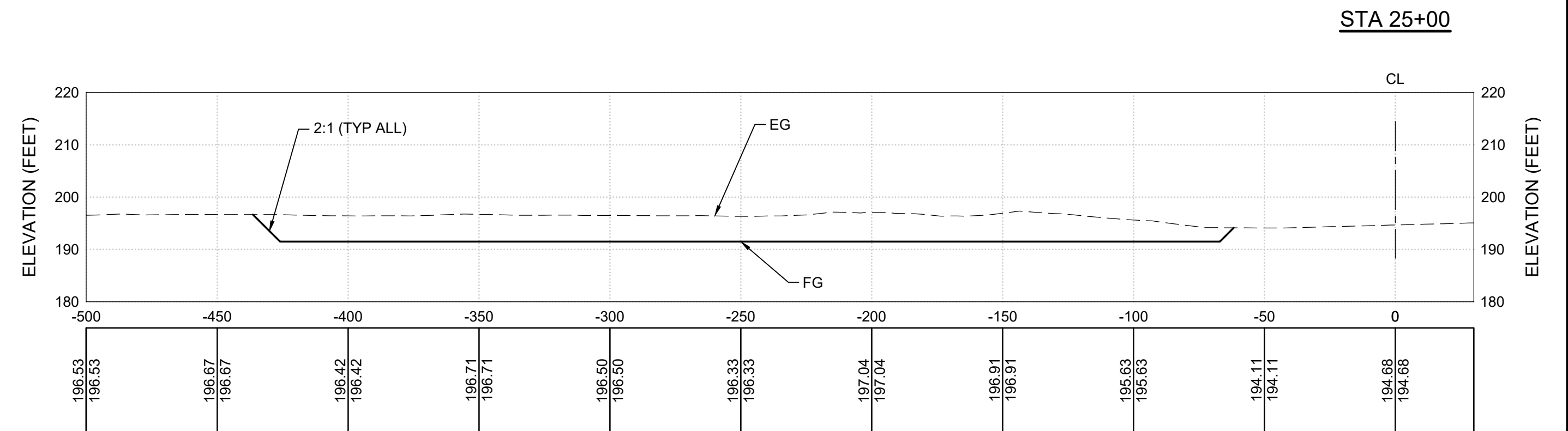
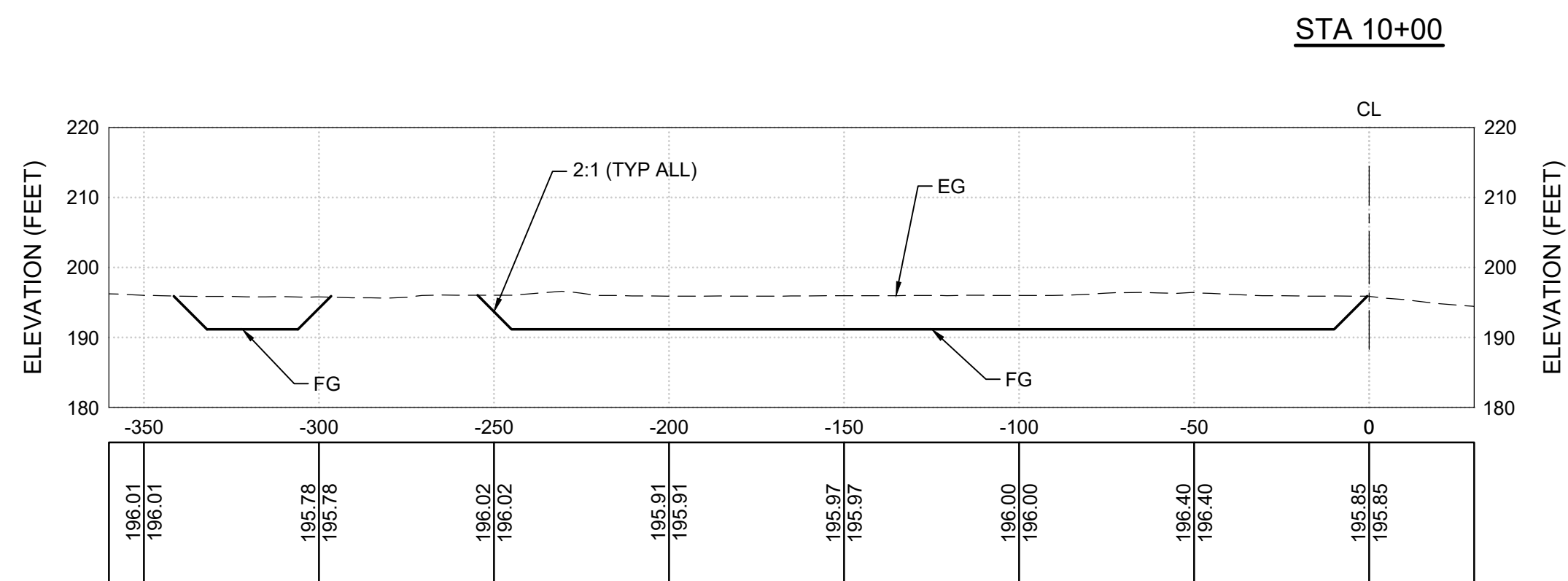
DATE: SEPT 2022
PROJECT NO.:
FILE: 05_LAYOUT
DRAWING NO.: 5 OF 9

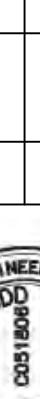
TITLE: SEDIMENT REMOVAL AREA "C"
PROJECT: KINGS RIVER SEDIMENT REMOVAL
SITE: KINGS RIVER, KINGS COUNTY, CA

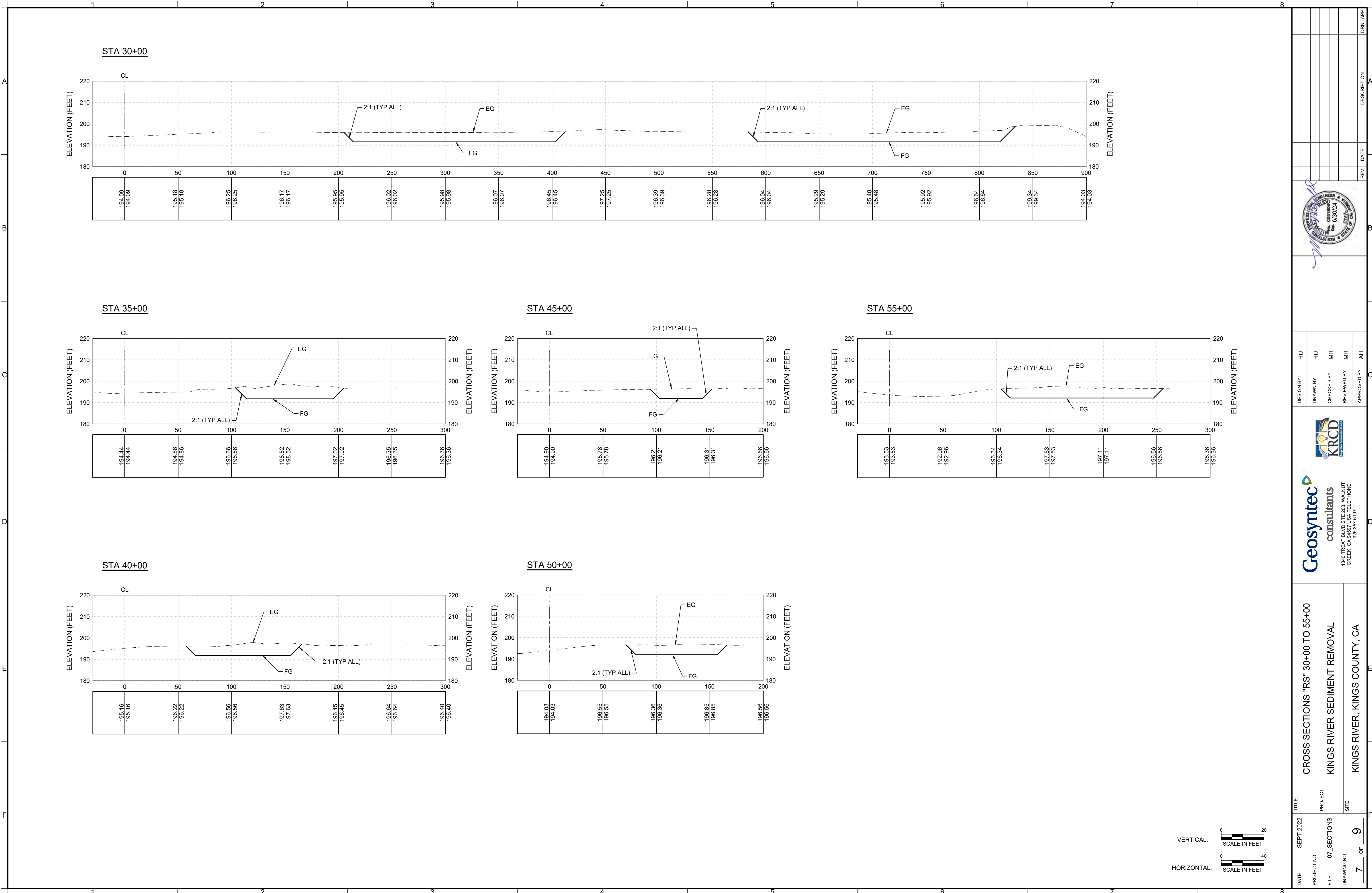
DESIGN BY: HU
DRAWN BY: HU
CHECKED BY: MR
REVIEWED BY: MR
APPROVED BY: AH

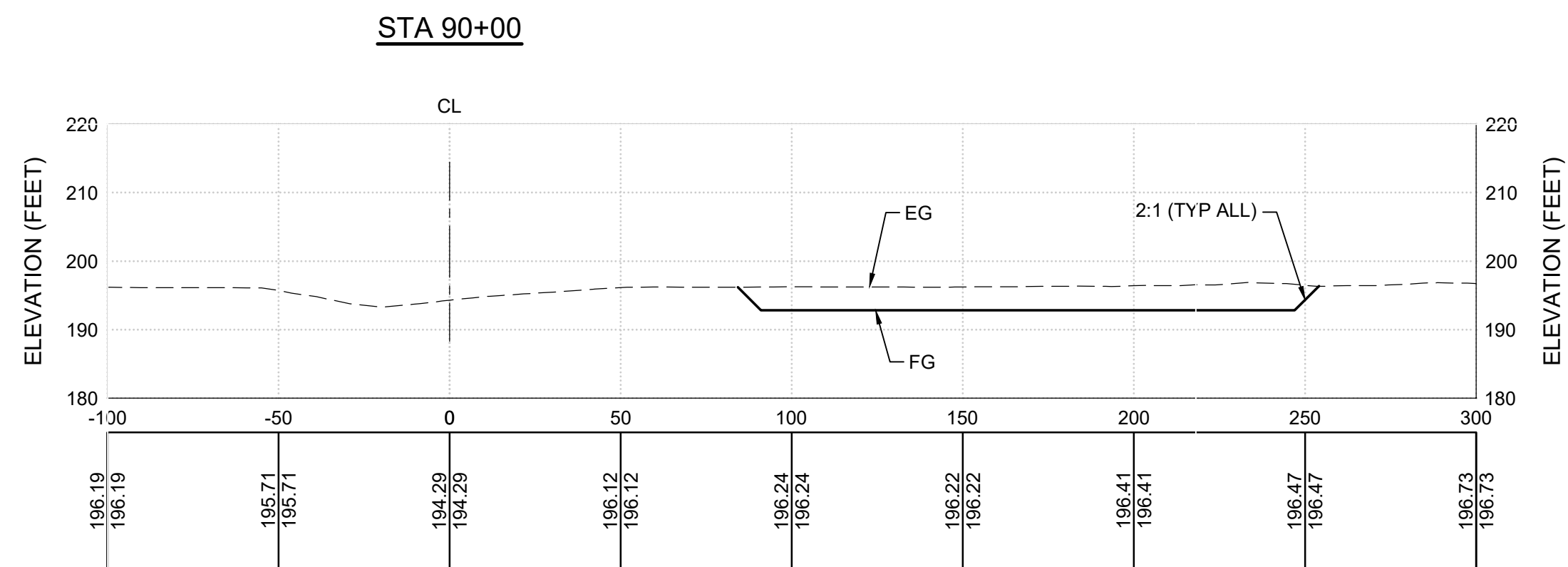
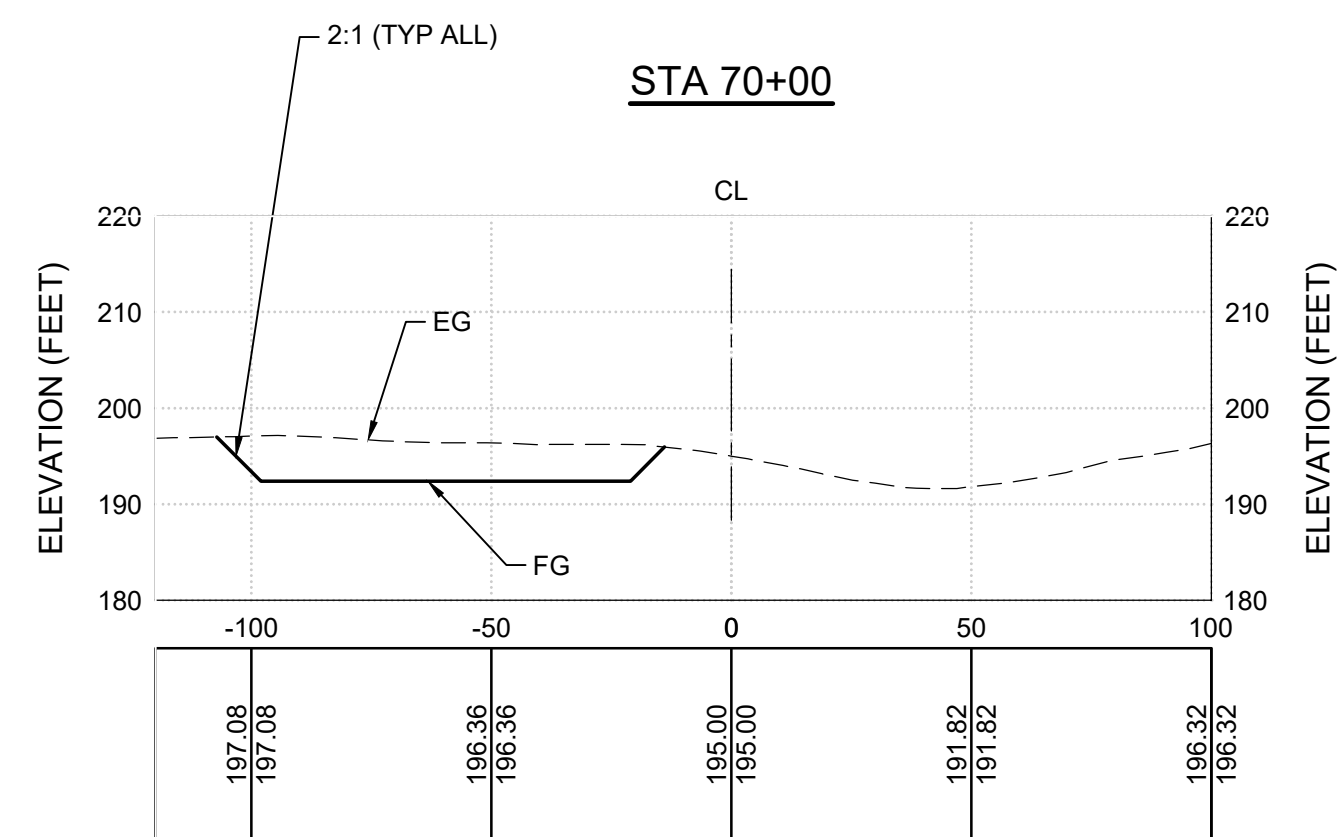
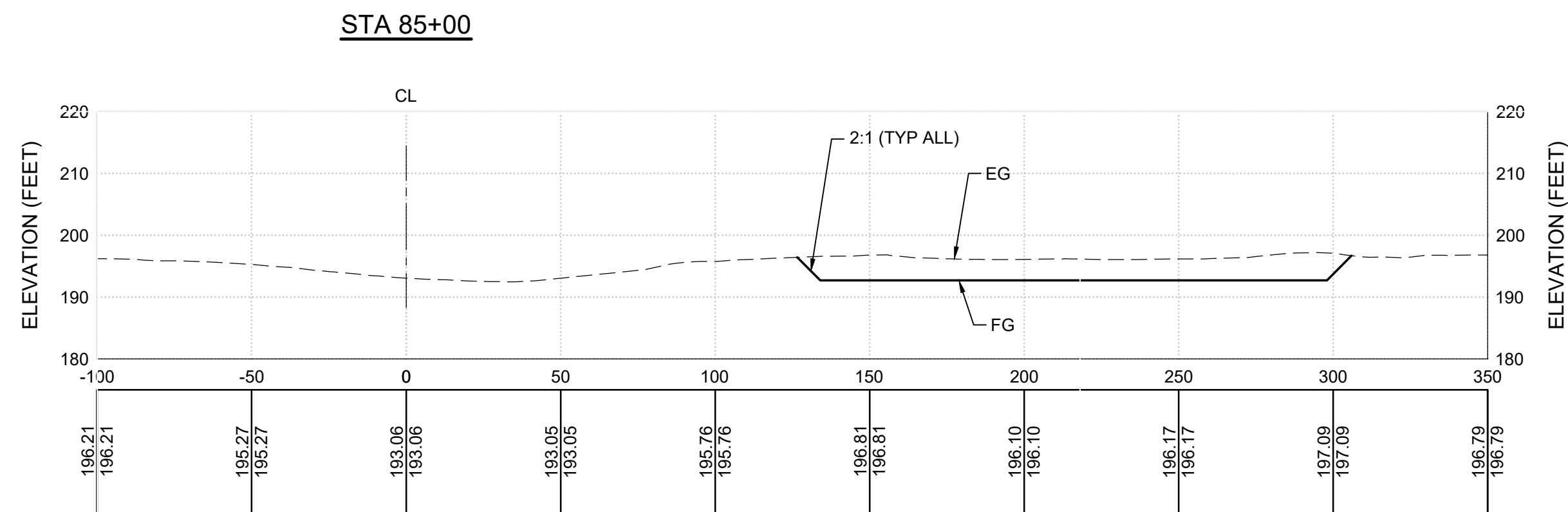
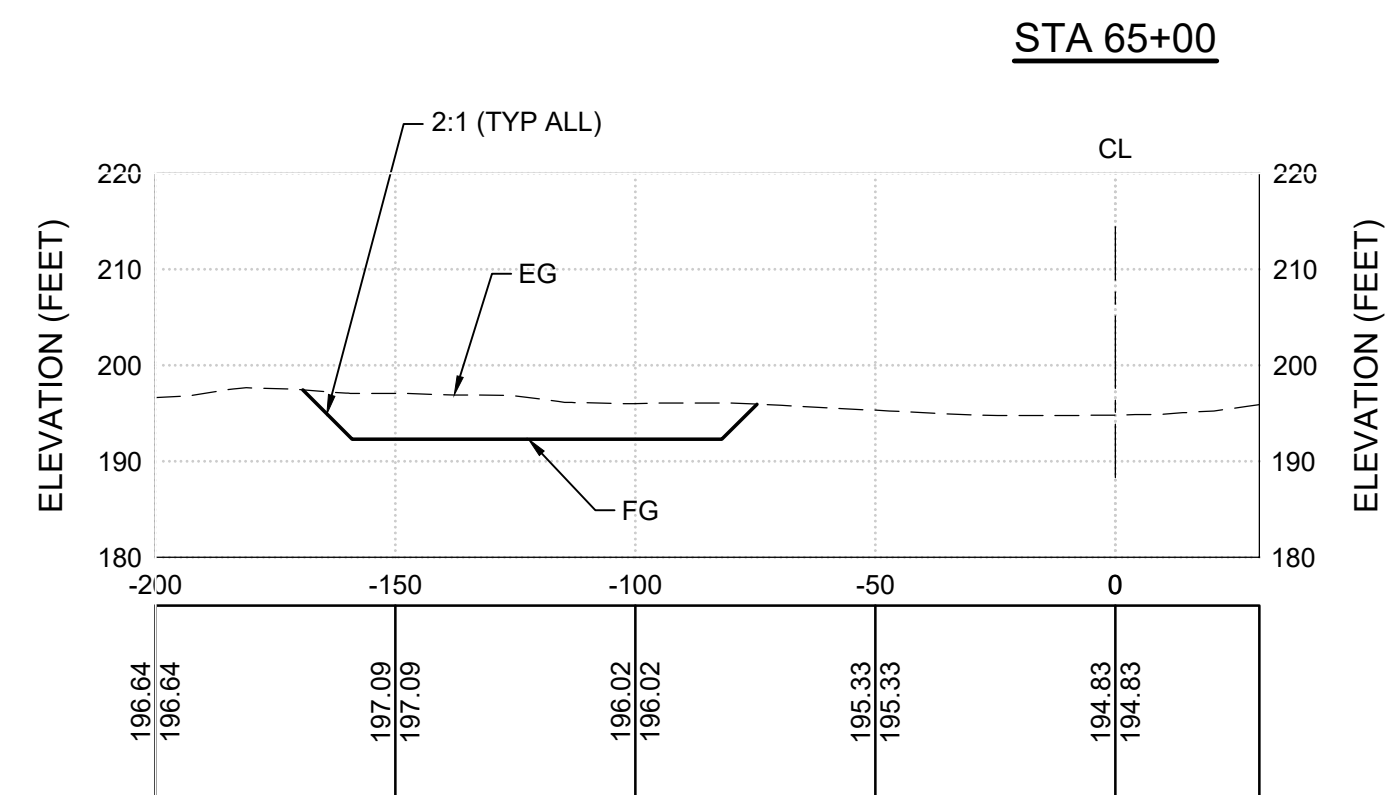
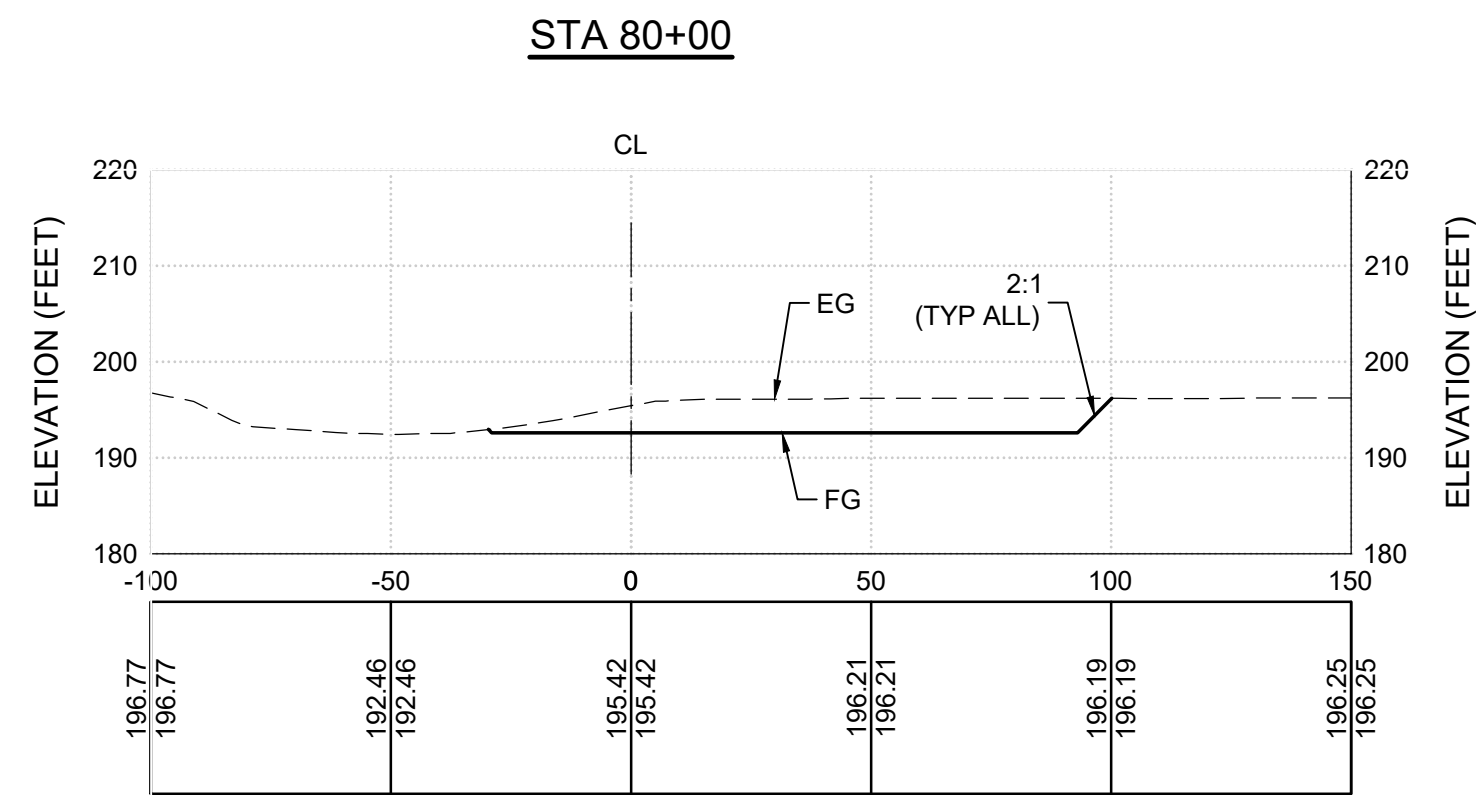
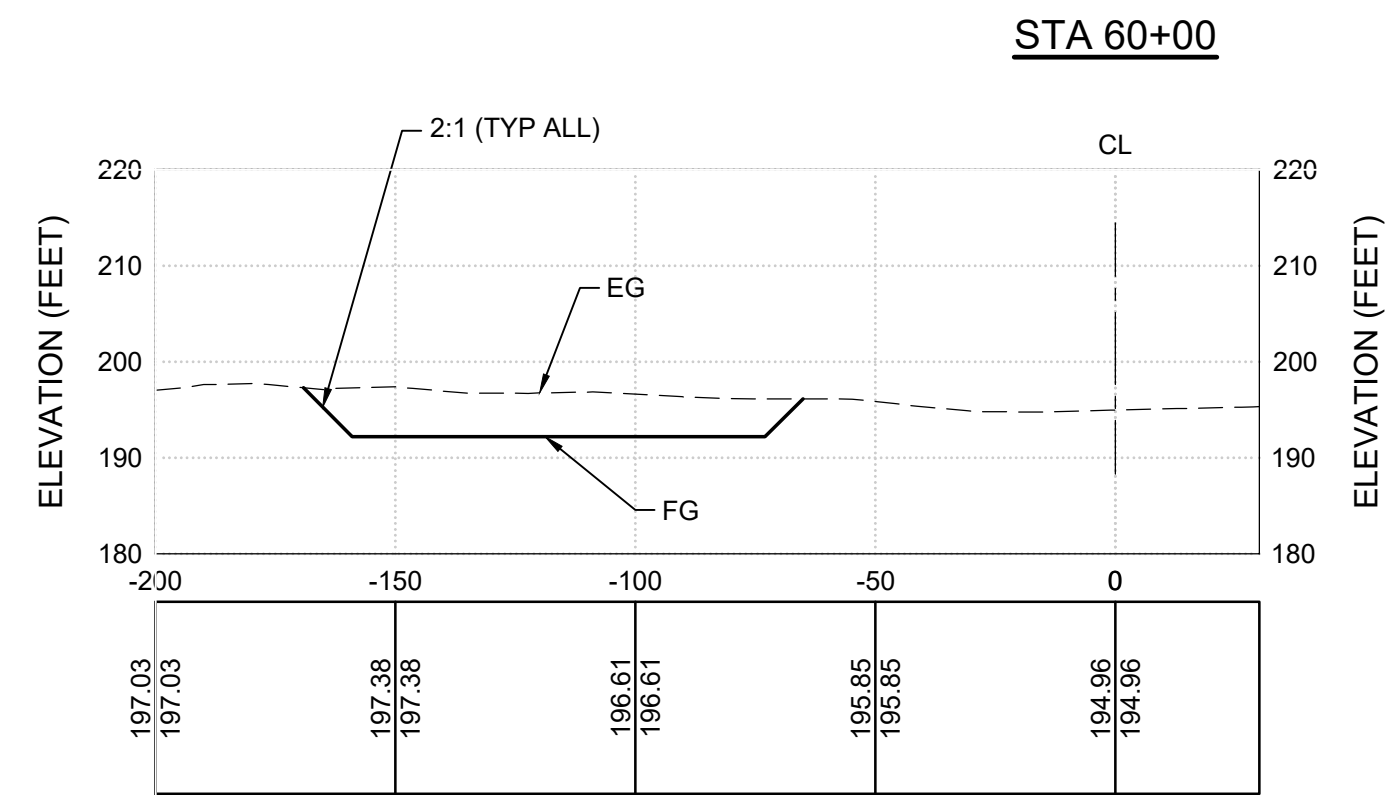
Geosyntec consultants
1340 TREAT BLVD STE 208 WALNUT CREEK, CA 94597 USA TELEPHONE: 925.357.6197

DRN / APP
DESCRIPTION
REV
DATE



DATE: SEPT 2022	TITLE: CROSS SECTIONS "RS" 10+00 TO 20+00		F		E		D		C		B		A	
PROJECT NO.:	PROJECT: KINGS RIVER SEDIMENT REMOVAL													
FILE: 06_SECTIONS	SITE: KINGS RIVER, KINGS COUNTY, CA													
DRAWING NO.:	6 OF 9													
 1340 TREAT BLVD STE 208, WALNUT CREEK, CA 94597 USA TELEPHONE: 925.357.6197														
DESIGN BY: HU			HU											
DRAWN BY: HU			HU											
CHECKED BY: MR			MR											
REVIEWED BY: MR			MR											
APPROVED BY: AH			AH											
REV			DATE											
APP			DESCRIPTION											





VERTICAL:  SCALE IN FEET

HORIZONTAL:  SCALE IN FEET

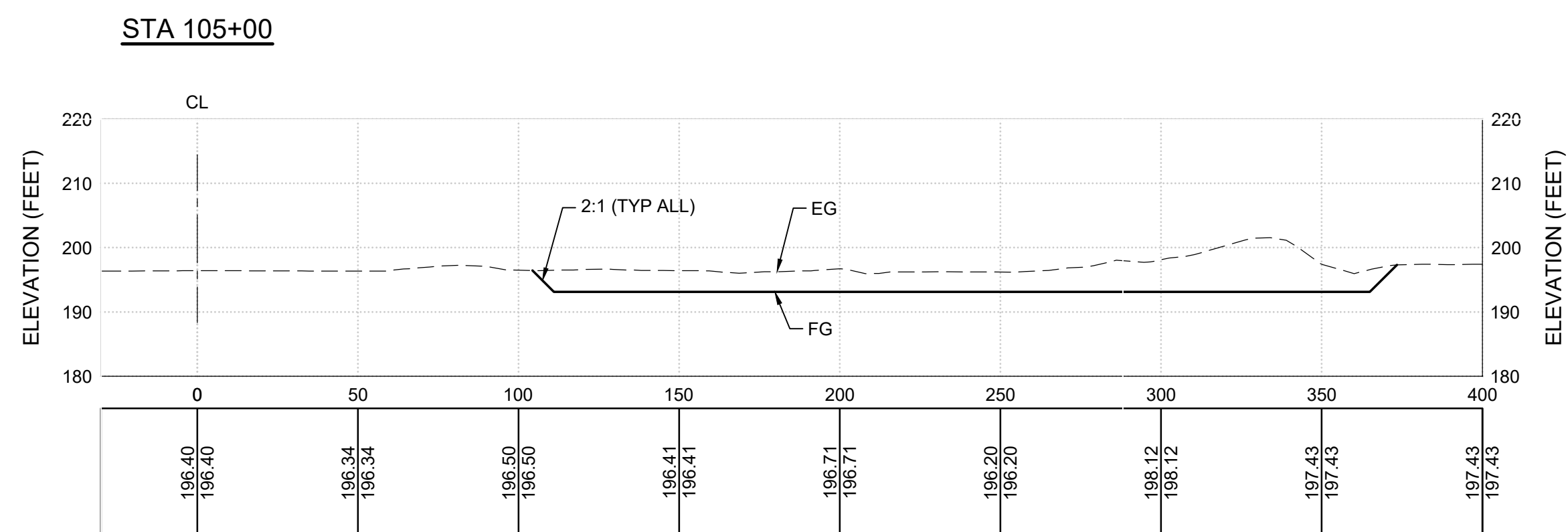
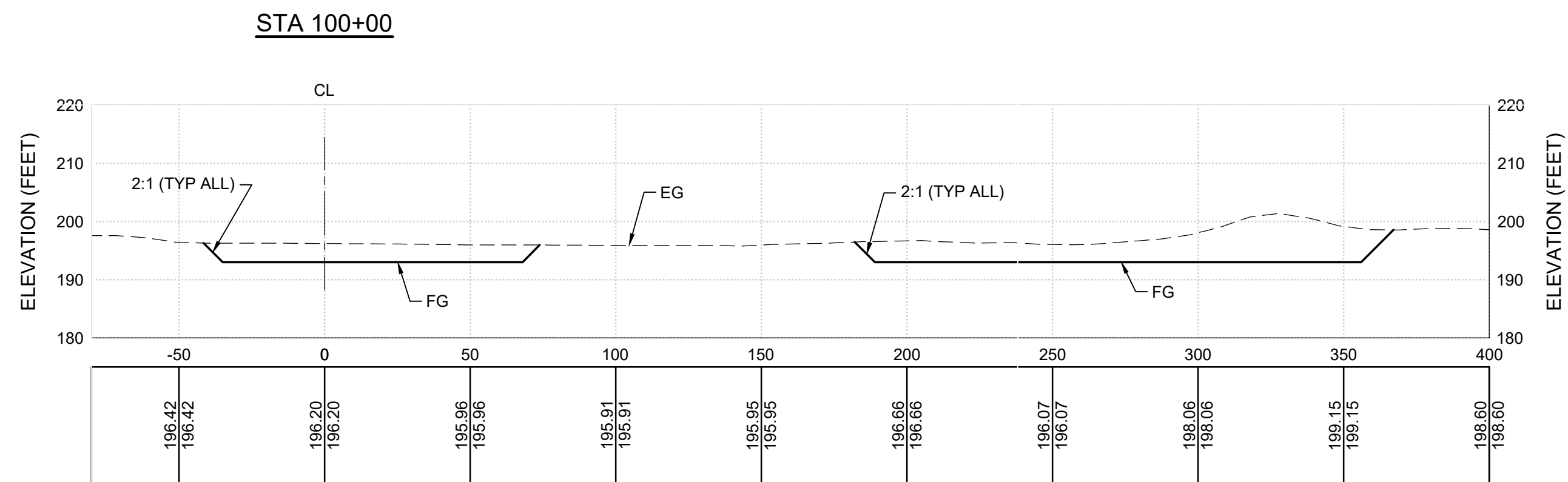
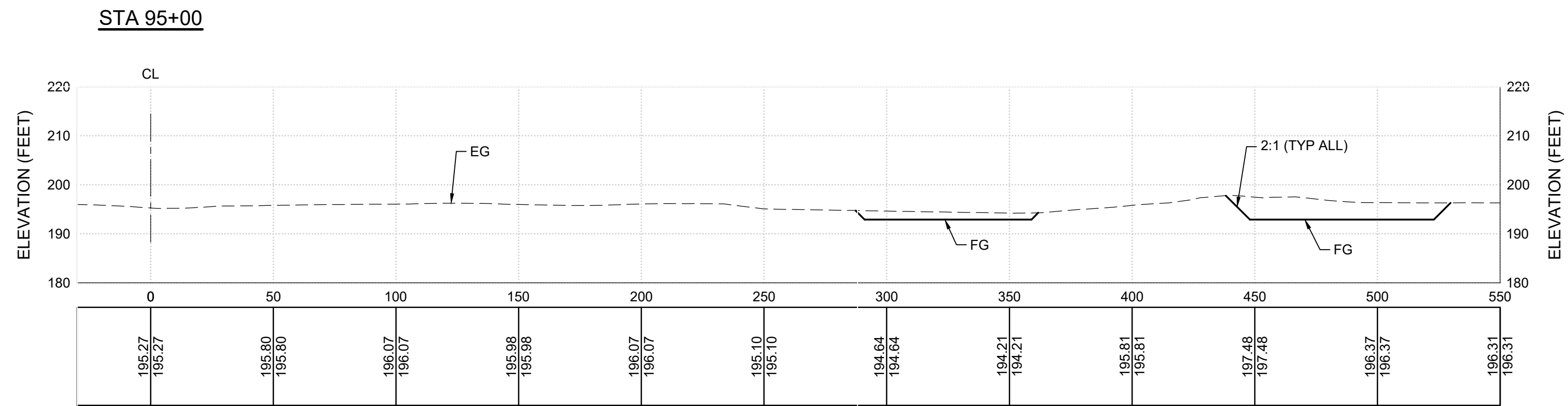
DATE:	SEPT 2022	TITLE:	CROSS SECTIONS "RS" 60+00 TO 70+00
PROJECT NO.:		PROJECT:	KINGS RIVER SEDIMENT REMOVAL
FILE:	08_SECTIONS	SITE:	KINGS RIVER, KINGS COUNTY, CA
DRAWING NO.:	8 OF 9		



Geosyntec
consultants
1340 TREAT BLVD STE 200, WALNUT CREEK, CA 94597 USA TELEPHONE: 925.357.6197



DESIGN BY:	HU	REV	DATE	DESCRIPTION	DRN	APP
DRAWN BY:	HU					
CHECKED BY:	MR					
REVIEWED BY:	MR					
APPROVED BY:	AH					



VERTICAL:  SCALE IN FEET

HORIZONTAL:  SCALE IN FEET

DATE:	SEPT 2022	TITLE:	CROSS SECTIONS "RS" 95+00 TO 105+00	DESIGN BY:	HU		REV	DATE	DESCRIPTION	DRN	APP	
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DRAWING NO.:	9	SITE:	KINGS RIVER, KINGS COUNTY, CA	CHECKED BY:	MR							
				REVIEWED BY:	MR							
				APPROVED BY:	AH							