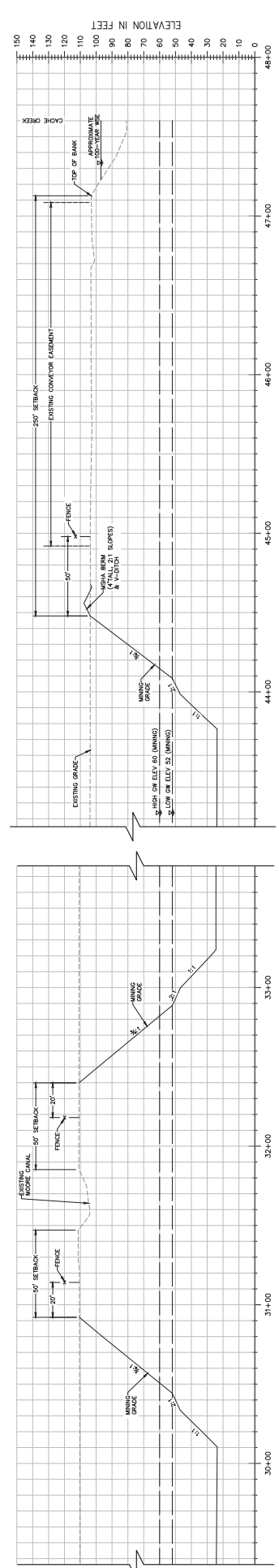
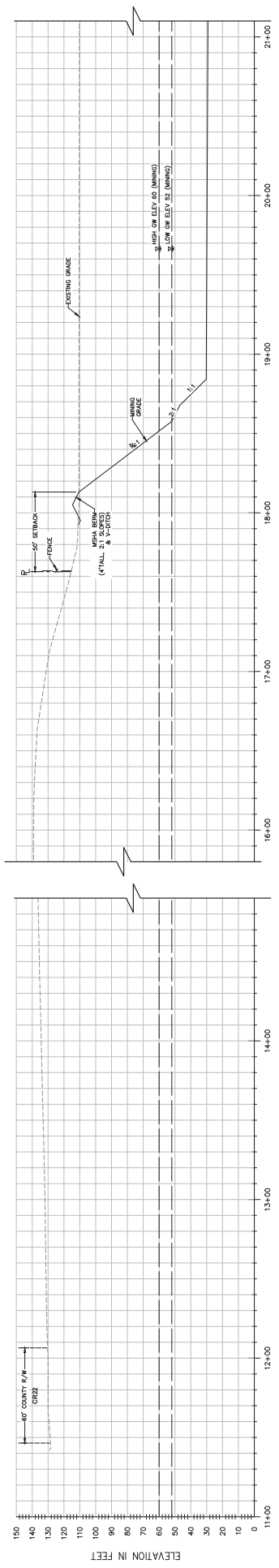


ATTACHMENT E

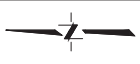
PROPOSED MINING AND RECLAMATION PLANS



SECTION A-A
H: 1" = 30'
V: 1" = 50'

NOTES:

- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. AERIAL PHOTOGRAPHY.
- HIGH AND LOW MESSAGE RECONSTRUCTED ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PIE MINING OPERATIONS-SHELTER PROPERTY AND "CONTIGUOUS PREDICTED MINING OPERATIONS" ARE SHOWN. THIS INFORMATION WAS PROVIDED BY LUDORFF & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
- BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF MINING GRADE TO PREVENT OVERFLOW OF WATER FROM AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
- BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.



SHEET
M-03
OF
9
DATE: **6/9/21**

**SHIFLER MINING PLAN
(MOORE CANAL AVOIDANCE)
CROSS SECTION A-A**

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Process Planning & Civil Engineering & Landscape Architecture
2100 20th St., Suite 200
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(916) 455-2026



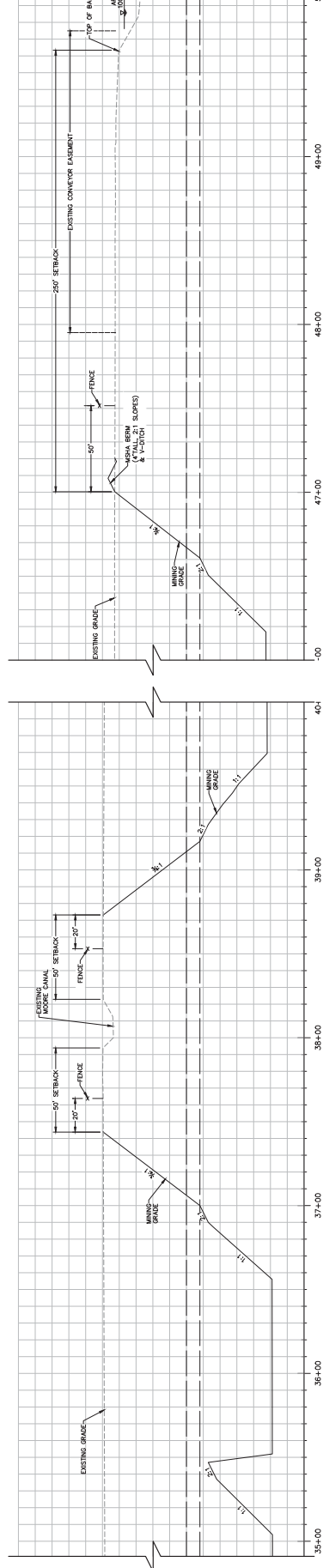
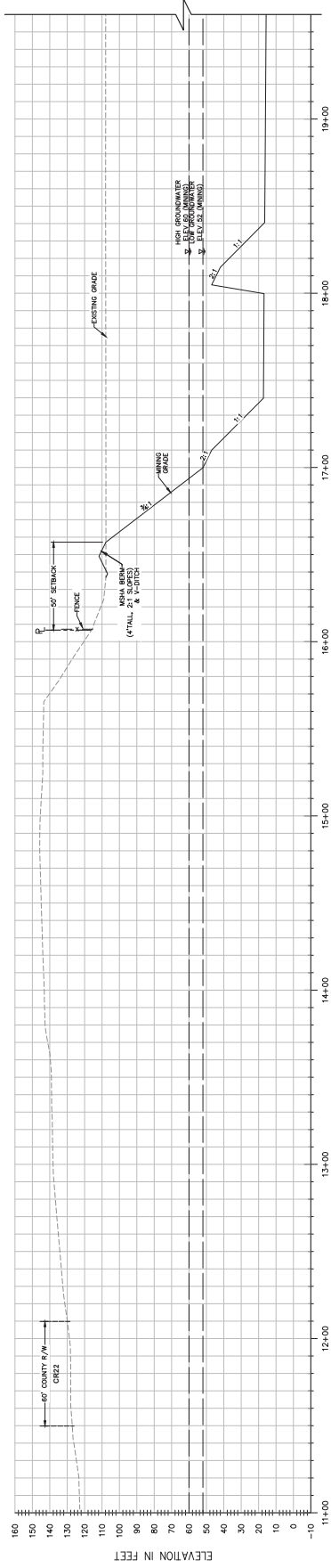
NO.	DATE	REVISIONS	BY	APPD.

DESIGNED BY: NC
DRAWN BY: NC
CHECKED BY: SG
SCALE:
AS SHOWN

YOLO COUNTY

CALIFORNIA

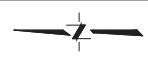
JOB NO: 1129.20



SECTION B-B
 H: 1" = 30'
 V: 1" = 30'

NOTES:

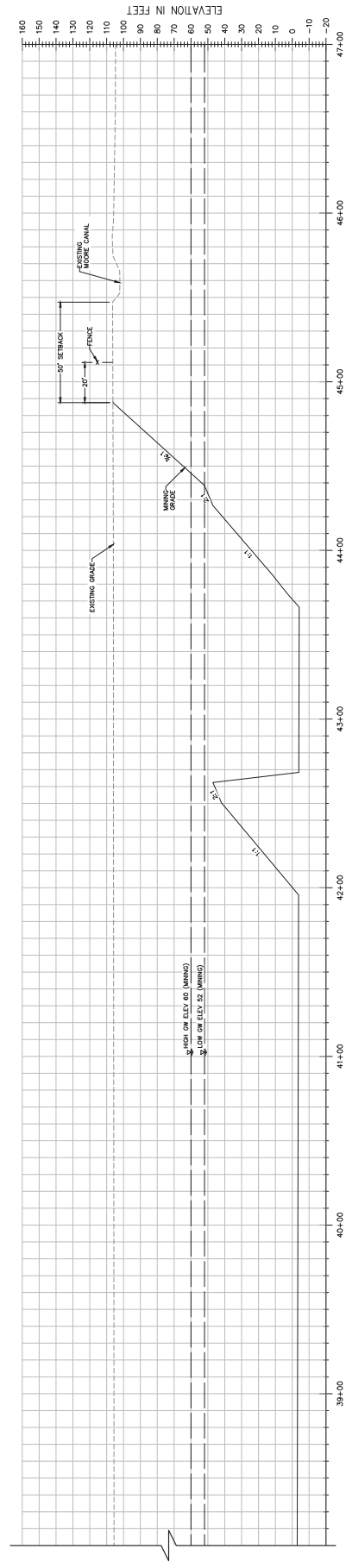
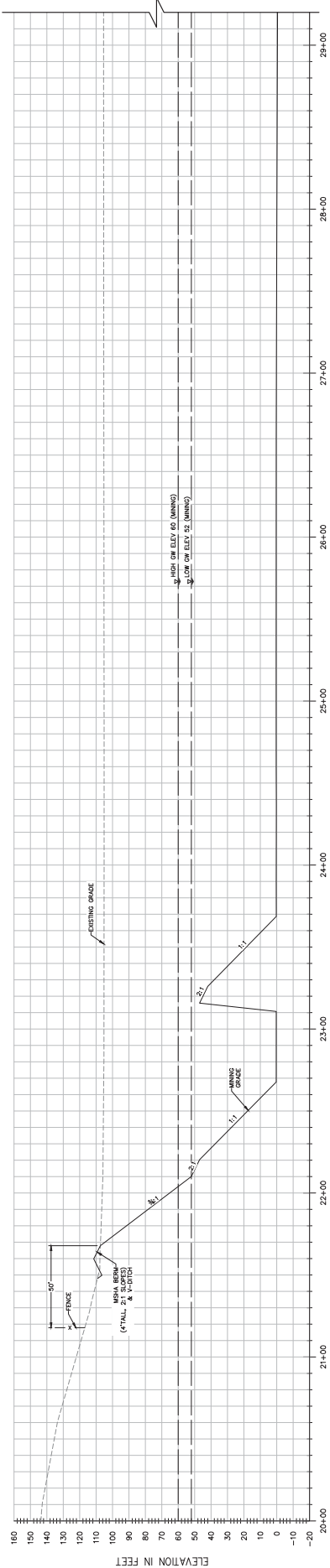
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYING.
- HIGH AND LOW MESSAGE RECOMBINANT ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY" BY LUDWIG & SALLMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
- BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
- BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.



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CHECKED BY: SG	DATE:
SCALE: AS SHOWN	

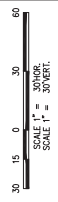
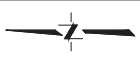
	PROJECT: Planning & Civil Engineering • Landscape Architecture STATEMENTS OFFICE 2100 9th St., Suite 210 Sacramento, CA 95811 (916) 455-2028
--	--

SHEET M-04 OF 9	DATE: 6/9/21 CALIFORNIA JOB NO: 1129.20
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- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FROM APRIL 2010 BY POINT CO. AND THE MINING ELEVATIONS ARE BASED ON THE 2010 MINE PLAN.
 - HIGH AND LOW MINESE RECOMPUTER ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PIE MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS IN VICINITY OF PLANNED WET-PIE MINING OPERATIONS-SHIFLER PROPERTY" BY LUDWIG & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF MINING GRADE TO PREVENT OVERFLOW OF WATER FROM AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.

SECTION C-C
 H: 1" = 30'
 V: 1" = 50'



SHEET	M-05
OF	9
DATE:	6/9/21
JOB NO.:	1129.20

**SHIFLER MINING PLAN
 (MOORE CANAL AVOIDANCE)
 CROSS SECTION C-C**

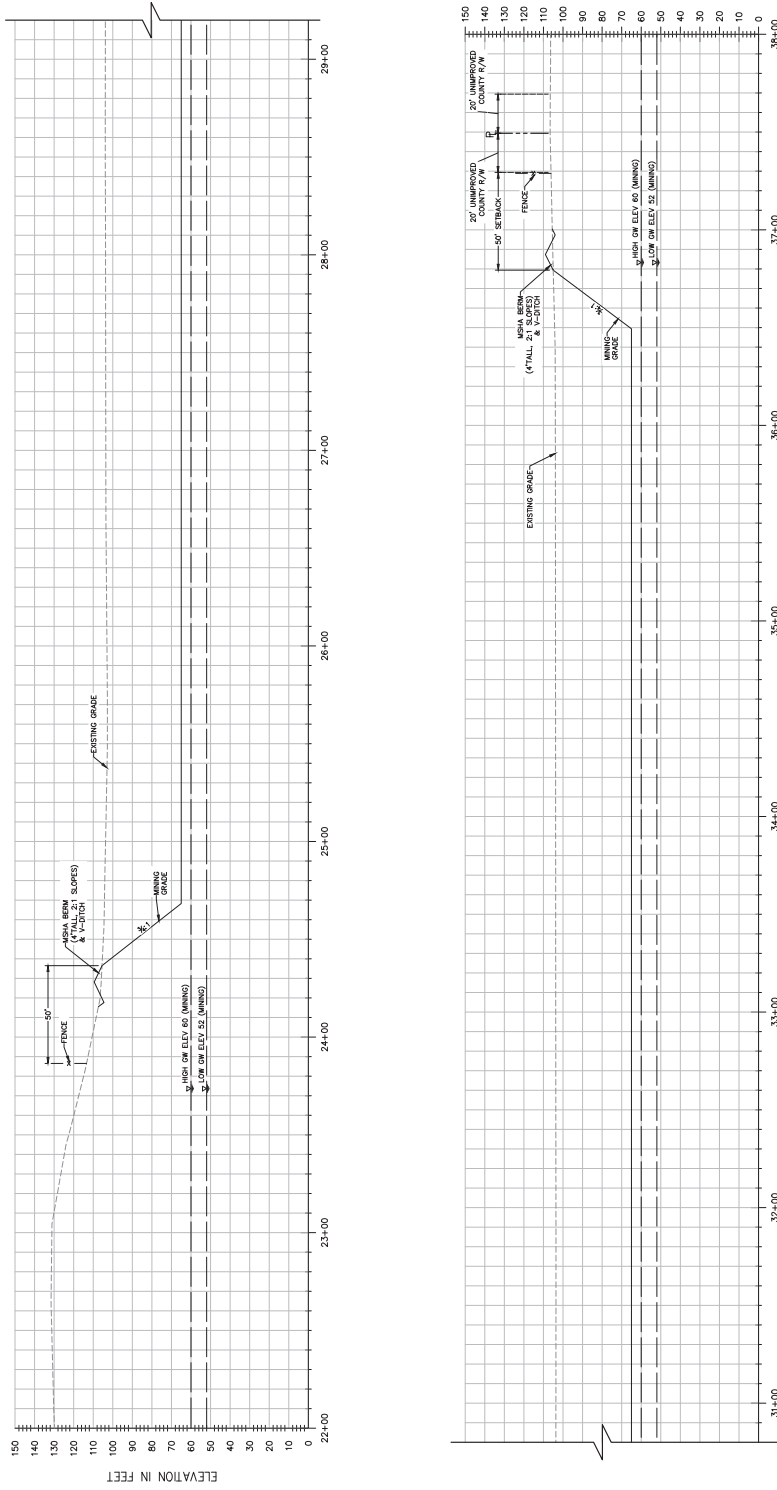
YOLO COUNTY
 CALIFORNIA



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 2100 9th St., Suite 200
 Sacramento, CA 95833
 (916) 455-2028

NO.	DATE	REVISIONS	BY	APPD.

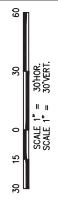
DESIGNED BY: NC
 DRAWN BY: NC
 CHECKED BY: SG
 SCALE:
 AS SHOWN



SECTION D-D
 H: 1" = 30'
 V: 1" = 50'

NOTES:

- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYING.
- HIGH AND LOW MESSAGES RECALCULATE ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PIE MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS IN VICINITY OF PLANNED WET-PIE MINING OPERATIONS-SHIFLER PROPERTY" BY LUDWIG & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
- BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF MINING GRADE TO PREVENT OVERFLOW OF WATER INTO DESIGNATED AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
- BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.



SHEET	M-06
OF	9
DATE:	6/9/21
JOB NO.:	1129.20

**SHIFLER MINING PLAN
(MOORE CANAL AVOIDANCE)
CROSS SECTION D-D**

YOLO COUNTY

CEWEST.COM

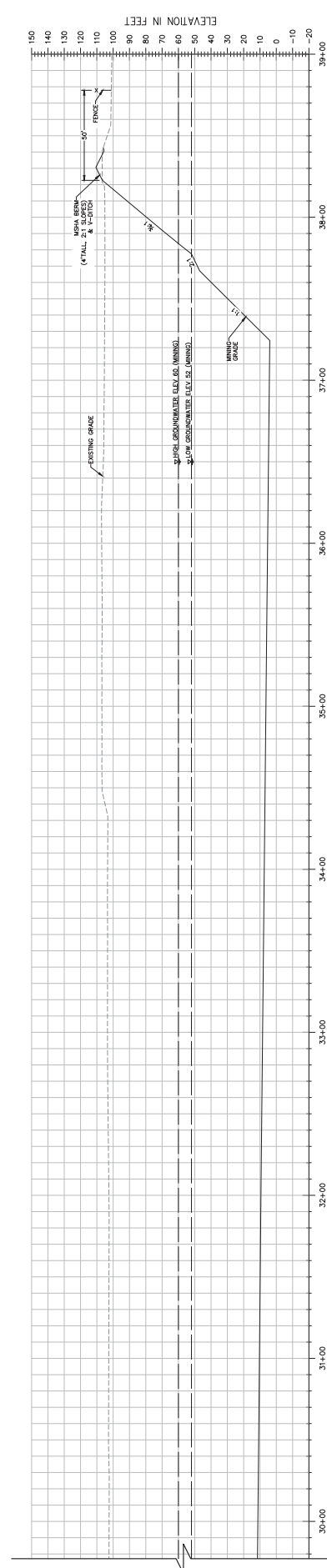
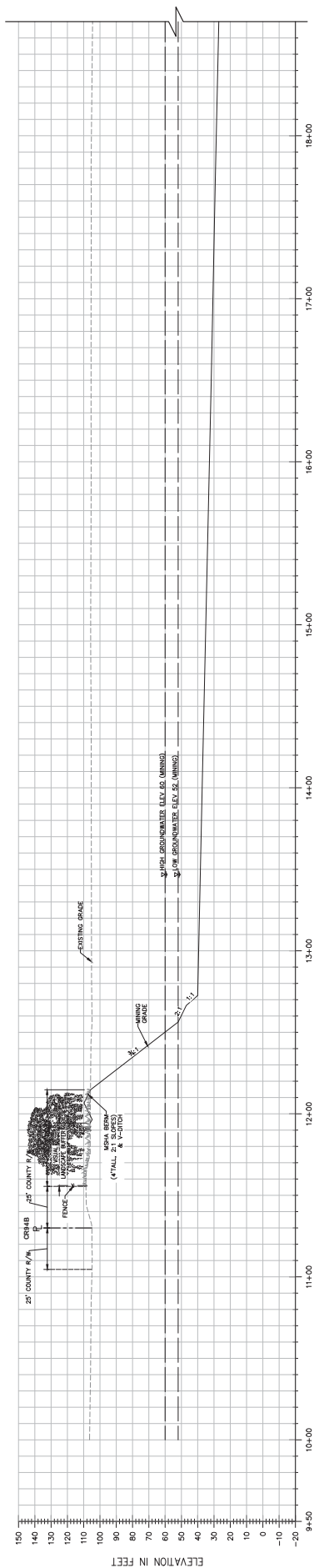
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2100 28th St., Suite 200
 Sacramento, CA 95833
 (916) 455-2028

NO.	DATE	REVISIONS	BY	APPD.

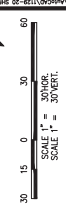
DESIGNED BY: NC
 DRAWN BY: NC
 CHECKED BY: SG

SCALE
 AS SHOWN



SECTION E-E
 H: 1" = 30'
 V: 1" = 30'

- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYING.
 - HIGH AND LOW MESSAGE ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTIGUOUS AREAS" AS DEFINED BY LUDHORFF & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.



SHEET	M-07
OF	9
DATE:	6/9/21

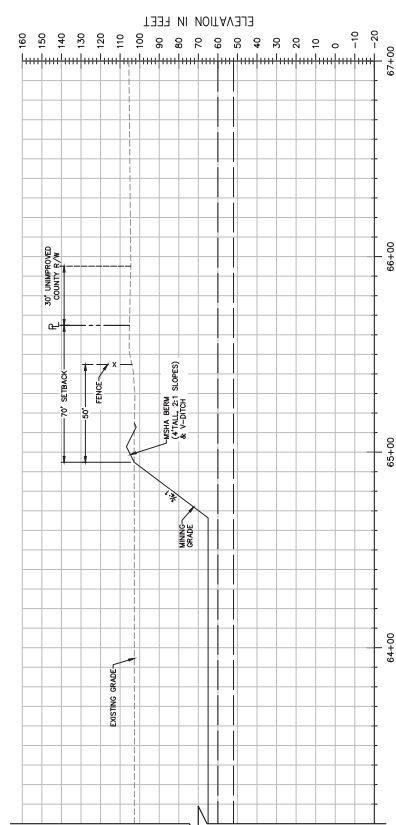
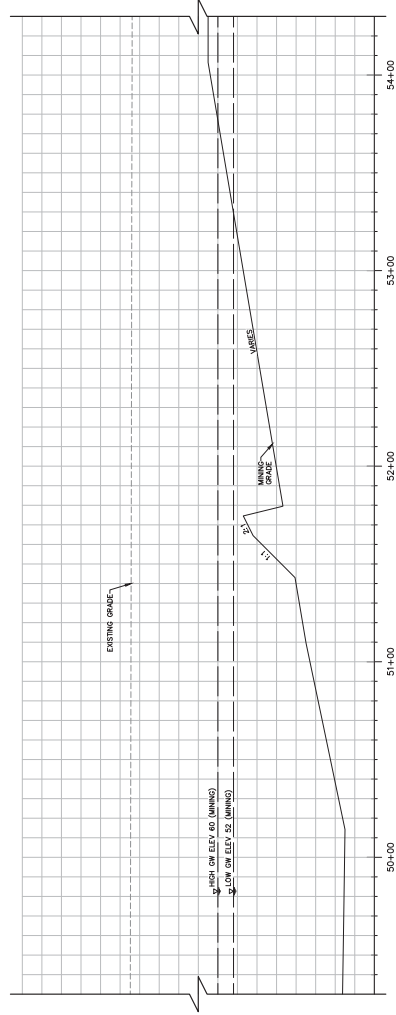
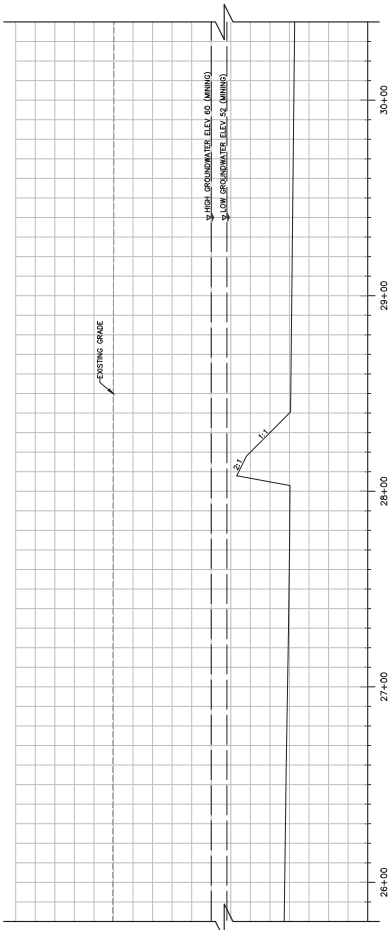
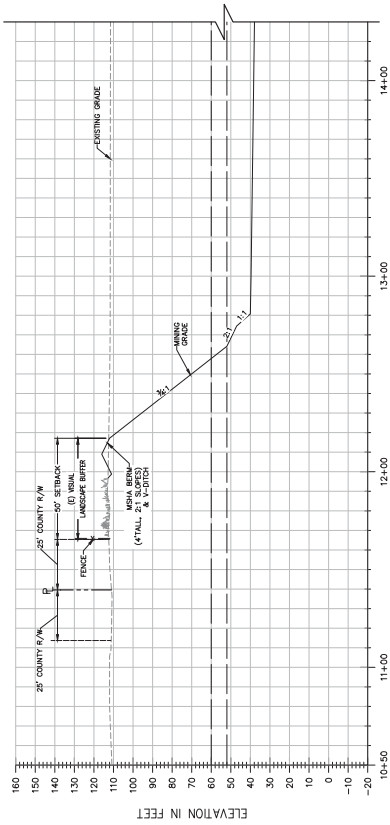
**SHIFLER MINING PLAN
 (MOORE CANAL AVOIDANCE)
 CROSS SECTION E-E**

YOLO COUNTY
 JOB NO: 1128.20



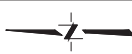
DESIGNED BY	NC			
DRAWN BY	NC			
CHECKED BY	SG			
SCALE	AS SHOWN			
NO.	DATE	REVISIONS	BY	APPD.

CEWEST.COM
 Robert J. Schmitt is a Civil Engineer in the State of California
 in Sacramento Office
 2102 9th St., Suite 200
 Sacramento, CA 95811
 (916) 455-2028
 (530) 398-7008



SECTION F-F
 H: 1" = 30'
 V: 1" = 50'

- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FROM APRIL 2010 BY POINT CO. AND AERIAL PHOTOGRAPHY FROM APRIL 2010 BY POINT CO.
 - HIGH AND LOW MESSAGE RECONSTRUCTED ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY" BY LUDWIG & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF MINING GRADE TO PREVENT OVERFLOW OF WATER FROM AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.



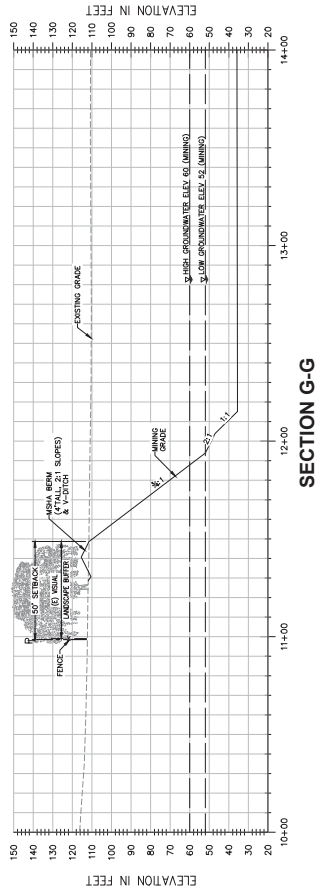
SHIFLER MINING PLAN
(MOORE CANAL AVOIDANCE)
CROSS SECTION F-F

YOLO COUNTY



DESIGNED BY: NC	BY: APPD
DRAWN BY: NC	REVISIONS:
CHECKED BY: SG	DATE:
SCALE:	
AS SHOWN	

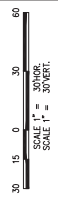
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 Project Planning & Civil Engineering & Landscape Architecture
 2100 9th St., Suite 210
 Sacramento, CA 95833
 (916) 455-2028



SECTION G-G
 H: 1"=30'
 V: 1"=50'

NOTES:

- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYING.
- MSMA AND LOW WEDGE RECONSTRUCTED ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTIGUOUS AREAS" AS DEFINED BY LUDHORFF & SALLMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
- BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF THE BERM OR V-DITCH TO PREVENT GROUNDWATER FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
- BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.



SHEET	M-09
OF	9
DATE:	6/9/21
JOB NO.:	1129.20

SHIFLER MINING PLAN
(MOORE CANAL AVOIDANCE)
CROSS SECTION G-G

YOLO COUNTY
 CALIFORNIA

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NO.	DATE	REVISIONS	BY	APPD.

DESIGNED BY	NC
DRAWN BY	NC
CHECKED BY	SG
SCALE	AS SHOWN

CONCEPTUAL OFF-CHANNEL RECLAMATION PLAN FOR SHIFLER PROPERTY

YOLO COUNTY, CALIFORNIA
JUNE 2021

GENERAL NOTES:

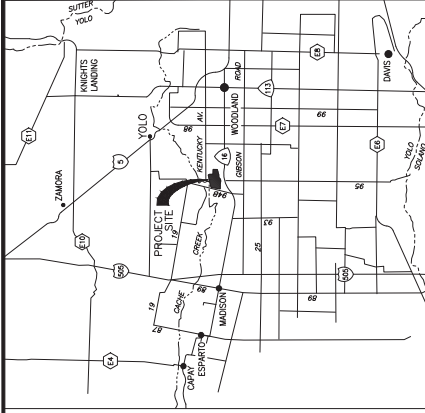
- ALL WORK SHALL CONFORM TO THE YOLO COUNTY SURFACE MINING RECLAMATION ACT (SMRA), CALIFORNIA PUBLIC RESOURCES CODE (PRC) AND FEDERAL PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE SURFACE MINING AND RECLAMATION ACT (SMRA), OSHA, MSHA, AND OTHER APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING MINING.
- ANY WORK THAT NEEDS TO BE PERFORMED WITHIN REG'S OR ANY OTHER UTILITY RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE UTILITY COMPANY'S SPECIFICATIONS AND REQUIREMENTS. VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING MINING.
- THE DEPTH OF MINING AND USE OF LIMIT-OF-MINING LINES ARE ONLY APPROXIMATE, AND UNCHECKED, AND THE PRODUCER OF THIS PLAN SHALL BE RESPONSIBLE FOR VERIFYING THE DEPTH AND USE OF LIMIT-OF-MINING LINES PRIOR TO MINING.
- HIGH AND LOW AVERAGE GROUNDWATER ELEVATIONS BASED ON "GROUNDWATER CONDITIONS IN THE VICINITY OF PLANNED MINE OPERATIONS, SHIFLER FALLS, YOLO COUNTY, CALIFORNIA, 2015-2016" (ITEM 11A IN TITLE REPORT) SHALL BE USED TO DETERMINE THE LOW POST-RECLAMATION GROUNDWATER ELEVATION. CONSULT WITH A REGISTERED PROFESSIONAL ENGINEER DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
- IF HUMAN SKELETAL REMAINS ARE ENCOUNTERED DURING EXCAVATION, ALL WORK SHALL STOP IMMEDIATELY. NOTIFY THE CALIFORNIA HISTORIC PRESERVATION DIVISION (CHPD) IMMEDIATELY. THE CHPD SHALL BE NOTIFIED WITHIN TWENTY-FOUR (24) HOURS. THE ONLY CULTURAL RESOURCES, SUCH AS CHIPPED OR GROUND STONE, HISTORIC DEBRIS, BUILDING REMAINS, OR OTHER CULTURAL RESOURCES, SHALL BE IDENTIFIED AND DOCUMENTED PRIOR TO EXCAVATION. THEN ALL WORK WITHIN SEVENTY-FIVE (75) FEET SHALL IMMEDIATELY STOP AND THE DIRECTOR SHALL BE NOTIFIED AT ONCE. ANY CULTURAL RESOURCES IDENTIFIED SHALL BE DOCUMENTED AND THE INFORMATION SHALL BE SUBMITTED TO THE COUNTY.
- DURING OPERATIONS, THE SITE SHALL BE KEPT FREE OF DEBRIS AND MAINTAINED IN A NEAT AND ORDERLY MANNER SO AS NOT TO CREATE ANY HAZARDOUS OR BRUSH, OR OTHER DEBRIS RESULTING FROM EXCAVATION AND/OR PROCESSING SHALL BE PROPERLY DISPOSED.
- UNNECESSARY PERSONNEL SHALL BE EXCLUDED FROM OFF-CHANNEL EXCAVATIONS. EQUIPMENT, PRIOR TO THE COMMENCEMENT OF EXCAVATION, FENCING MAY ENCLOSE EXCAVATION AREAS. FENCING SHALL BE INSTALLED TO THE PROJECT SITE BOUNDARIES AND ACCESS ROAD, INDICATING THAT THE EXCAVATION AREA IS A DANGER ZONE.

ABBREVIATIONS:

AC	AGGREGATE	MSHA	MINE SAFETY AND HEALTH ADMINISTRATION
AGG	AGGREGATE	MSH	MINING SAFETY AND HEALTH ADMINISTRATION
ANSL	ABOVE MEANS SCALE LEVEL	MON	MONITOR WELL
AVG	AVERAGE	N	NORTH
CFR	CODE OF FEDERAL REGULATIONS	N.C.	NORTH CAROLINA
CL	CENTER LINE	OSHA	OSHA
CT	CENTERS	PL	PROPERTY LINE
E	EAST	R/W	RIGHT-OF-WAY
ELEV	ELEVATION	RECL.	RECLAMATION
FG	FINISH GRADE	S	SLOPE
FL	FEET LINE	S.G.	SLOPE AND GRAVEL
GB	GRADE BREAK	TYP	TYPICAL
GW	GROUNDWATER	V	VERTICAL
H	HORIZONTAL	W	WEST
		WELL	WELL

LEGEND:

FOUND MONUMENTS AS SHOWN	EXISTING ELEV.
POWER POLE	PROPOSED ELEV.
EXISTING EDGE OF ROAD	HORIZONTAL TO
EXISTING GROUND	VERTICAL SLOPE
PROPOSED CONTOUR	WATER SURFACE
CROSS SECTION NUMBER AND SHEET LOCATION	PROPERTY BOUNDARY
APPROXIMATE YOLO COUNTY TEST 3 LINE	EASEMENT
APPROXIMATE 100% WATER SURFACE LIMITS	RECLAMATION HABITAT BOUNDARY
TOP OF SLOPE	FENCE
BOTTOM OF SLOPE	



SHEET INDEX:

- R-01 TITLE SHEET
- R-02 SITE PLAN
- R-03 CROSS SECTION A-A
- R-04 CROSS SECTION B-B
- R-05 CROSS SECTION C-C
- R-06 CROSS SECTION D-D
- R-07 CROSS SECTION E-E
- R-08 CROSS SECTION F-F
- R-09 CROSS SECTION G-G

BENCHMARK:

EXISTING BENCHMARK BASED ON AERIAL PHOTOGRAMMETRIC SERVICES. AERIAL PHOTOGRAMMETRIC SERVICES BY LAUDENOUR AND MERKLE, WOODLAND, CALIFORNIA. HORIZONTAL DATUM: CA NAD83 ZONE 2. VERTICAL DATUM: NAVD 88.

ASSESSORS PARCEL NO.:

025-128-32
025-128-33
025-130-02
025-130-01

PROPERTY OWNER:

SHIFLER LJ FAMILY TRUST INC.
YOLO COUNTY, CALIFORNIA
WOODLAND, CA 95661

APPLICANT:

TECHERT AGGREGATES
P.O. BOX 10002
WOODLAND, CA 95661
(916) 484-3313

CIVIL ENGINEER:

CUNNINGHAM ENGINEERING
2940 SPAFFORD STREET SUITE 200
DAVIS, CALIFORNIA 95618
(530) 756-9268

DRAWING STATUS:

- PLAN REVIEW SET
- NOT FOR CONSTRUCTION
- PERMIT SET

SHEET	R-01
OF	9
DATE:	6/9/21
JOB NO.:	1129.20

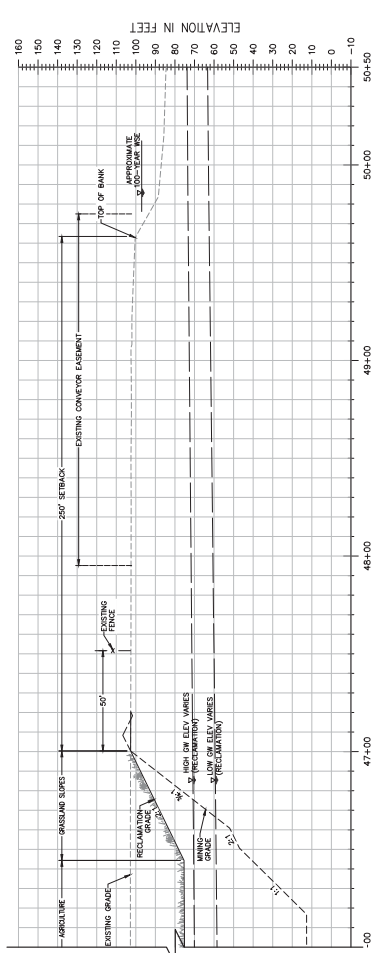
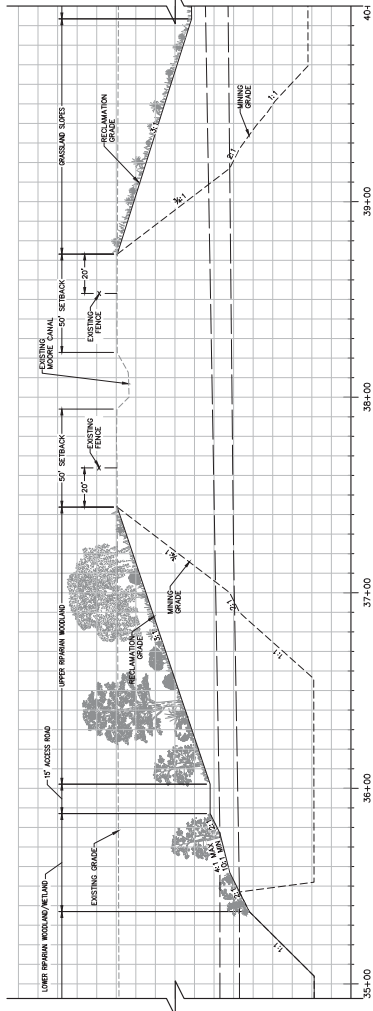
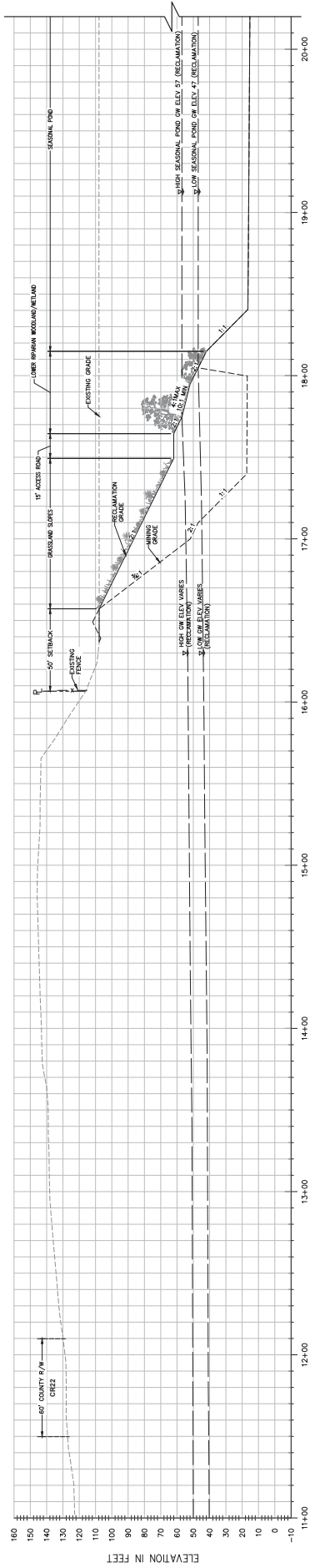
SHIFLER RECLAMATION PLAN (MOORE CANAL AVOIDANCE) TITLE SHEET

YOLO COUNTY
CEWEST.COM
in their office
2100 29th St., Suite 200
Sacramento, CA 95833
(916) 455-2028



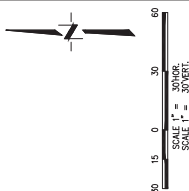
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DRAWN BY	NC	
CHECKED BY	SG	
SCALE	AS SHOWN	

NO.	DATE	REVISIONS	BY	APPROVED



SECTION B-B
 H: 1" = 30'
 V: 1" = 50'

- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYORS.
 - HIGH AND LOW MESSAGE RECOMMITTER ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS" FROM "GROUNDWATER MONITORING REPORT" BY LUDHORFF & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF RECLAMATION GRADE TO PREVENT FLOODING OF DESIGNATED OPEN WATER AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.
 - AGRICULTURAL ZONES TO HAVE MINIMUM OF 5' OF TOPSOIL AND SHALL BE A MINIMUM OF 5' ABOVE THE AVERAGE HIGH GROUNDWATER LEVEL.



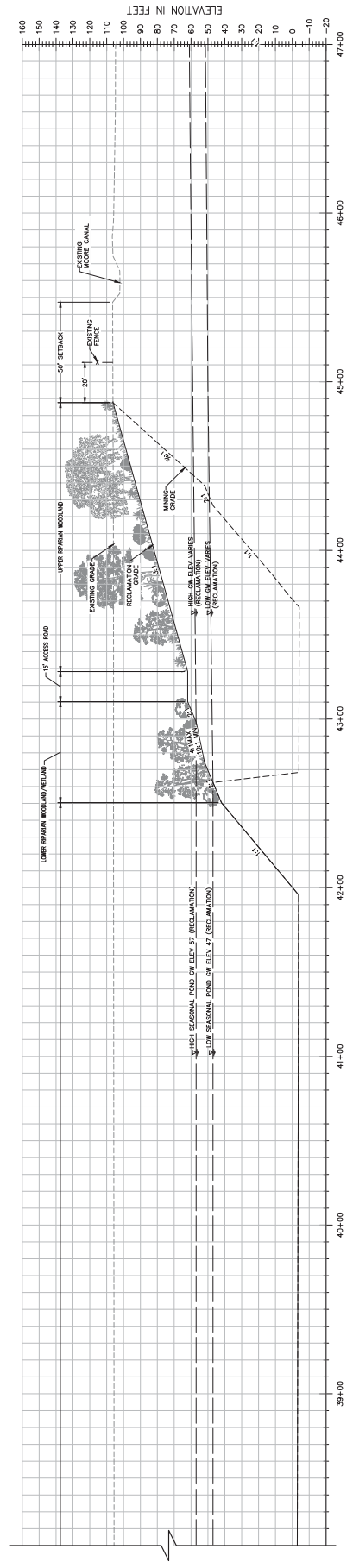
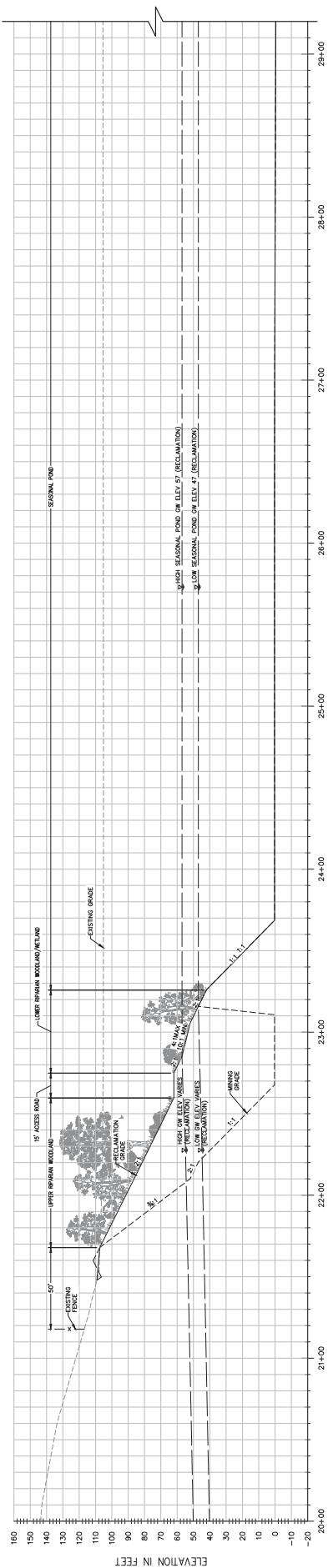
SHEET	R-04
OF	9
DATE:	6/9/21
JOB NO:	1129.20

SHIFLER RECLAMATION PLAN
 (MOORE CANAL AVOIDANCE)
CROSS SECTION B-B

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 Project Planning & Civil Engineering & Landscape Architecture
 in Shafter office
 2102 9th St., Shafter, CA 93282
 Sacramento, CA 95811
 (530) 455-2028

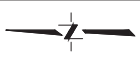
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DESIGNED BY:	NC
DRAWN BY:	NC
CHECKED BY:	SG
SCALE:	AS SHOWN



SECTION C-C
 H: 1" = 30'
 V: 1" = 50'

- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FROM APRIL 2010 BY POINT CO. SURVEYING.
 - HIGH AND LOW MESSAGE RECONSTRUCTION ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY" BY LUDWIG & SALLMANN CONSULTING ENGINEERS DATED FEBRUARY 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF RECLAMATION AREAS TO PREVENT OVERFLOW INTO DESIGNATED OPEN WATER AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.
 - AGRICULTURAL ZONES TO HAVE MINIMUM OF 5' OF TOPSOIL AND SHALL BE A MINIMUM OF 5' ABOVE THE AVERAGE HIGH GROUNDWATER LEVEL.



SHEET
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 OF
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 DATE: **6/9/21**
 JOB NO: 1129.20

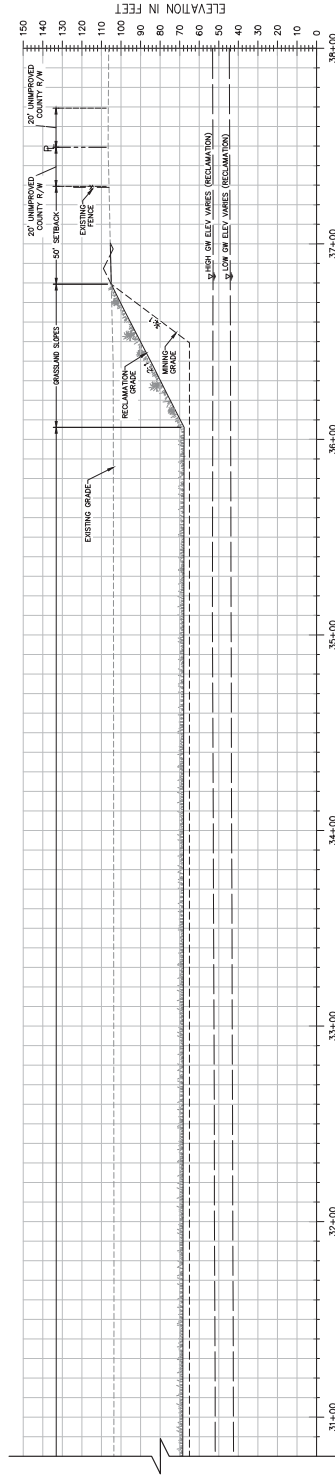
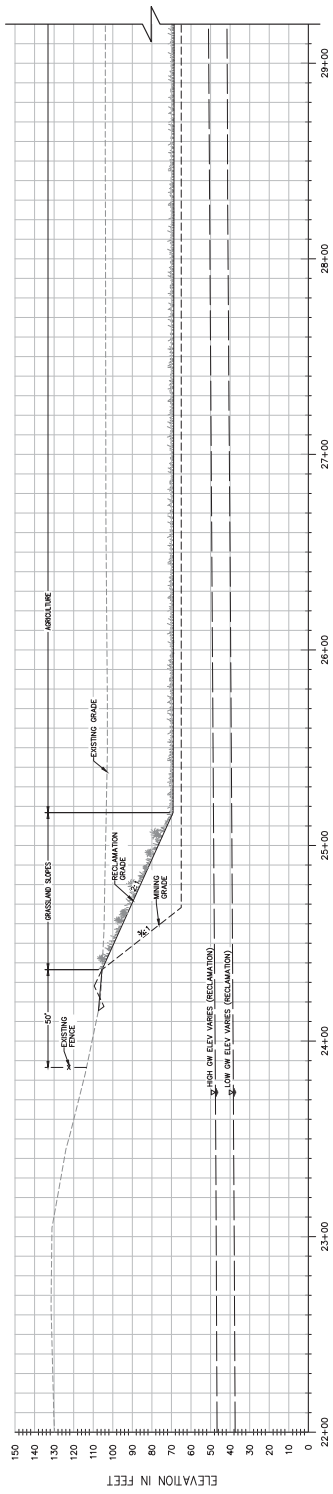
SHIFLER RECLAMATION PLAN
 (MOORE CANAL AVOIDANCE)
CROSS SECTION C-C
 CALIFORNIA
 YOLO COUNTY

CEWEST.COM
 Project Planning & Civil Engineering & Landscape Architecture
 in Shasta office
 2102 9th St., Shasta, CA 96088
 in Sacramento office
 290 Spaulding Blvd., Sacramento, CA 95818
 (530) 798-2028
 (916) 455-2028



NO.	DATE	REVISIONS	BY	APPD.

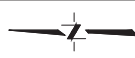
DESIGNED BY: NC
 DRAWN BY: NC
 CHECKED BY: SG
 SCALE:
 AS SHOWN



SECTION D-D
 H: 1" = 30'
 V: 1" = 50'

NOTES:

- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYORS.
- HIGH AND LOW WARE RECLAMATION ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PIE MINING OPERATIONS-SHIFLER PROPERTY AND "CONTIGUOUS" AREAS AS DETERMINED BY LUDORFF & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
- BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF RECLAMATION GRADE TO PREVENT GROUNDWATER FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
- BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.
- AGRICULTURAL ZONES TO HAVE MINIMUM OF 5' OF TOPSOIL AND SHALL BE A MINIMUM OF 5' ABOVE THE AVERAGE HIGH GROUNDWATER LEVEL.



SHEET
R-06
 OF
9
 DATE: 6/9/21
 JOB NO: 1129.20

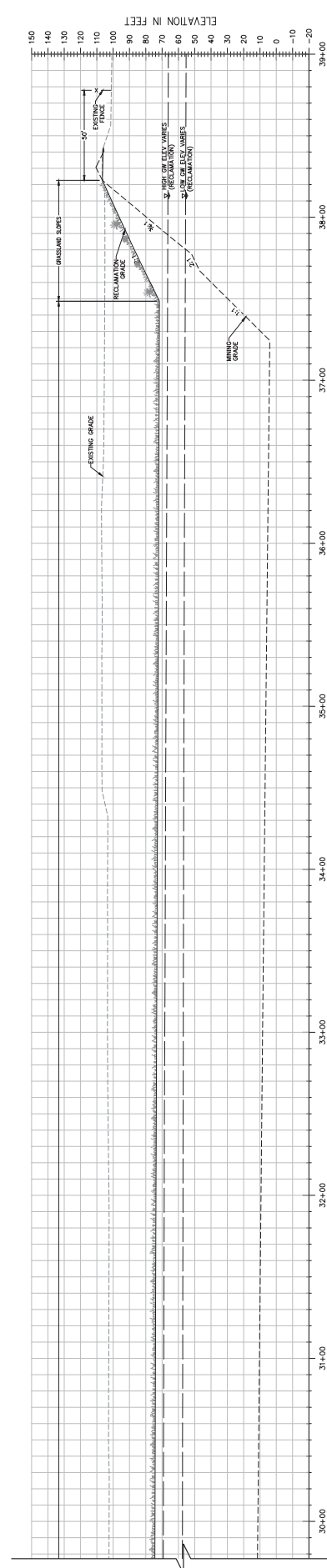
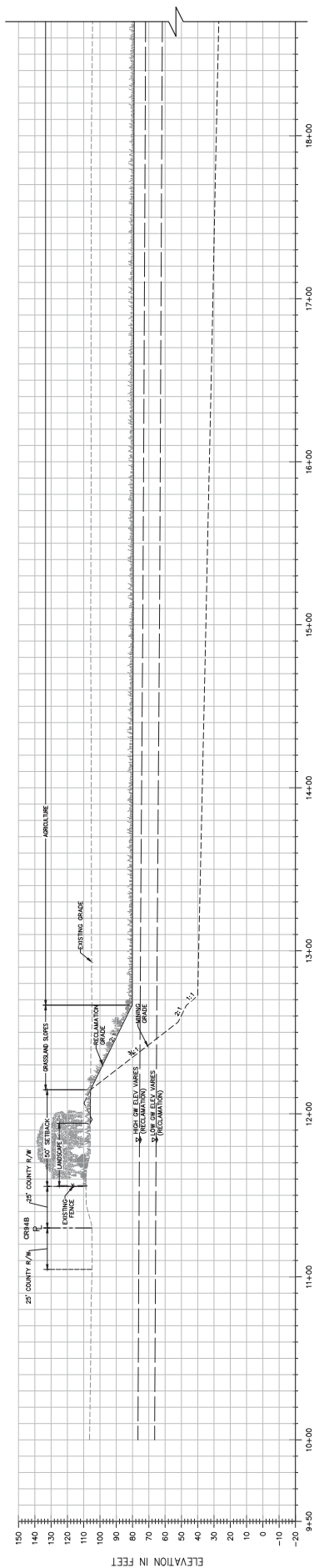
SHIFLER RECLAMATION PLAN
(MOORE CANAL AVOIDANCE)
CROSS SECTION D-D

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 in Sacramento Office: 2940 Spadina Ave., Sacramento, CA 95835
 (530) 455-2028



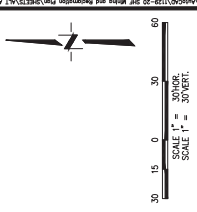
NO.	DATE	REVISIONS	BY	APPD.

DESIGNED BY: NC	INCHES: NC
DRAWN BY: SG	SCALE: AS SHOWN

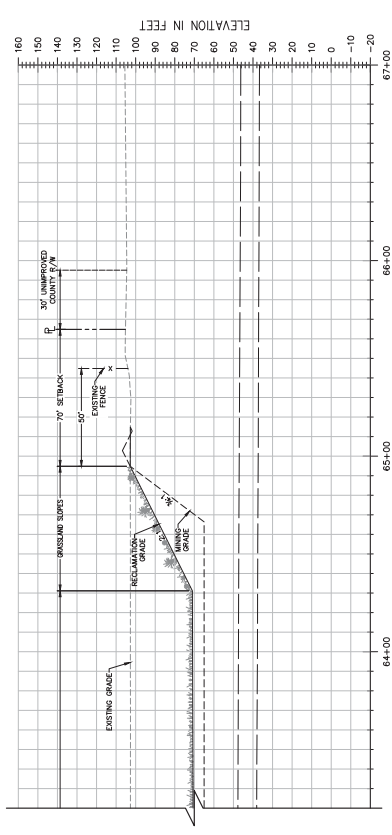
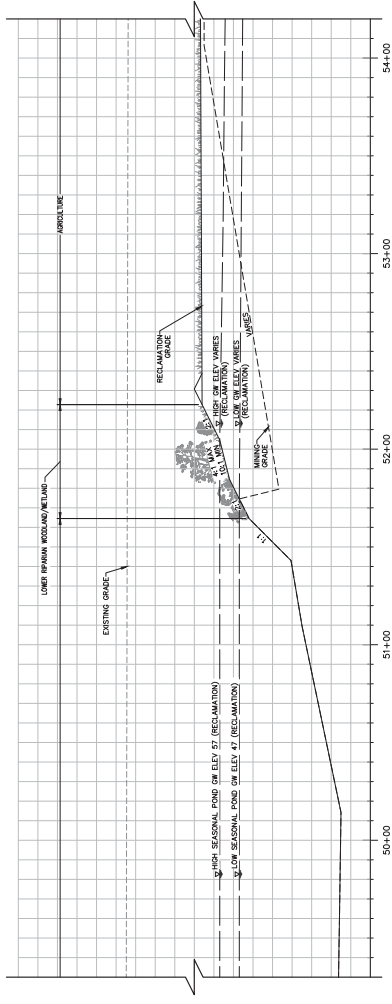
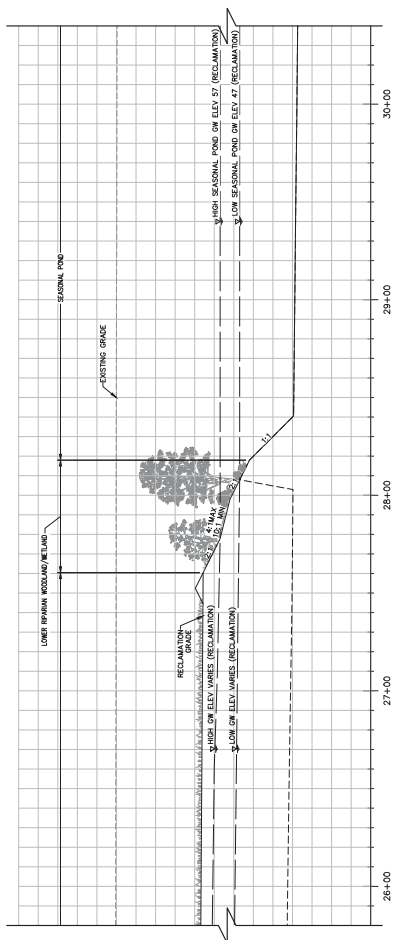
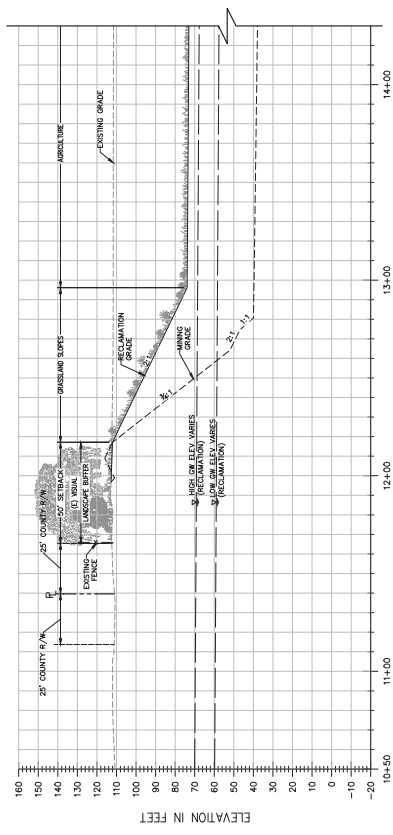


SECTION E-E
 H: 1" = 30'
 V: 1" = 50'

- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FROM APRIL 2010 BY POINT CO.
 - HIGH AND LOW ELEVATION RECLAMATION ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS" BY LUDWIG & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF RECLAMATION GRADE TO PREVENT GROUNDWATER FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.
 - AGRICULTURAL ZONES TO HAVE MINIMUM OF 5' OF TOPSOIL AND SHALL BE A MINIMUM OF 5' ABOVE THE AVERAGE HIGH GROUNDWATER LEVEL.

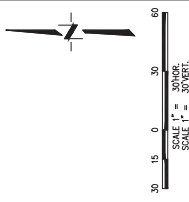


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Robert R. Cull, P.E. 2102 28th St., Suite 200 Sacramento, CA 95833 (916) 455-2028		in their office in Sacramento office 2940 Spaulding Blvd., Suite 200 Sacramento, CA 95835 (916) 455-2028		
SHEET R-07 OF 9		SHIFLER RECLAMATION PLAN (MOORE CANAL AVOIDANCE) CROSS SECTION E-E		
DATE: 6/9/21		CALIFORNIA JOB NO: 1128-20		
YOLO COUNTY		YOLO COUNTY		



SECTION F-F
 H: 1" = 30'
 V: 1" = 50'

- NOTES:**
- ELEVATIONS AND DISTANCES ARE APPROXIMATE. EXISTING GROUND IS BASED ON AERIAL PHOTOGRAPHY FLOWN IN APRIL 2010 BY POINT CO. SURVEYING.
 - HIGH AND LOW WETLAND RECLAMATION ELEVATIONS BASED ON GROUNDWATER CONDITIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY AND "CONTOURS OF PREDICTED GROUNDWATER ELEVATIONS IN VICINITY OF PLANNED WET-PT. MINING OPERATIONS-SHIFLER PROPERTY" BY LUDWIG & SCALMANN CONSULTING ENGINEERS DATED DECEMBER 22, 2015, UPDATED FEBRUARY 2016.
 - BERMS OR V-DITCHES (NOT SHOWN) TO BE ADDED ALONG THE TOP OF RECLAMATION GRADE TO PREVENT FLOODING OF AGRICULTURAL AREAS FROM ENTERING INTO THE DESIGNATED OPEN WATER AREAS.
 - BOTTOM MINING ELEVATIONS ARE ±10' DEPENDING ON ACTUAL BOTTOM OF GRAVEL DEPTHS.
 - AGRICULTURAL ZONES TO HAVE MINIMUM OF 5' OF TOPSOIL AND SHALL BE A MINIMUM OF 5' ABOVE THE AVERAGE HIGH GROUNDWATER LEVEL.



SHIFLER RECLAMATION PLAN
 (MOORE CANAL AVOIDANCE)
CROSS SECTION F-F

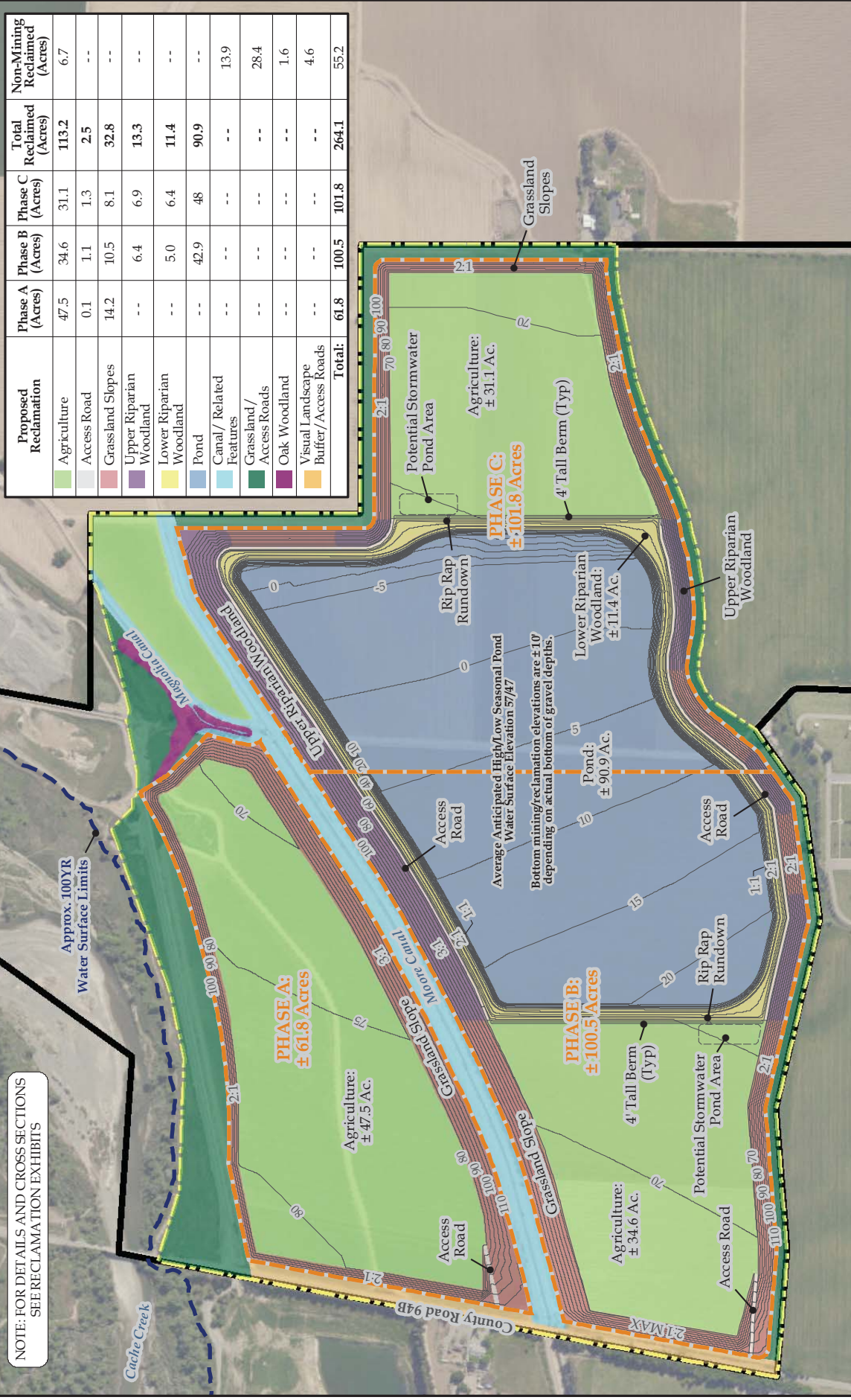

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 Sacramento, CA 95811
 (916) 455-2028



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 CHECKED BY: SG
 SCALE:
 AS SHOWN

NOTE: FOR DETAILS AND CROSS SECTIONS
SEE RECLAMATION EXHIBITS

TEICHERT MATERIALS

- LEGEND:**
- - - - - Approx. 100YR Water Surface Limits
 - Proposed Reclamation Contours
 - ▭ Proposed Reclamation Phases: Total ± 264.1 Ac.
 - ▭ Project Site
 - ▭ Shifter Property Boundary
- SOURCE:**
- Approx. 100YR Water Surface Limits Per Separate Hydraulic Report by Cunningham Engineering (Jan. 26, 2016)
 - Reclamations Contours Provided by Cunningham Engineering (June 2021)
 - Aerial Photography Provided by ESRI Basemaps (Yolo County: April 13, 2018)

DISCLAIMER:
The data was mapped for planning purposes only. No liability is assumed for the accuracy of the data shown.

FIGURE 4
**PROPOSED RECLAMATION-
AGRICULTURE &
HABITAT COMMUNITIES**
RECLAMATION PLAN
SHIFLER PROPERTY
TEICHERT MATERIALS
YOLO COUNTY, CALIFORNIA

