

























# **ATTACHMENT C**

## **PROPOSED MINING AND RECLAMATION PLANS**

**MINING PLAN SHEETS**  
**(JULY 12, 2021)**

<b>SHEET</b>	<b>NAME</b>
M-01	Title Sheet
M-02	Notes and Details
M-03	Property Information
M-04	Overall Proposed Mining Plan
M-05	Phases 1 and 3
M-06	Phase 4
M-07	Phases 5 and 6
M-08	Phases 2 and 7
M-09	Sections 1-4
M-10	Sections 5-8
M-11	Sections 9-11
M-12	Sections 12-14
M-13	Sections 15-17
M-14	Sections 18-20
M-15	Sections 21-26

**LEGEND:**

- ELECTRIC TRANSMISSION TOWER 
- EXISTING GROUND CONTOUR 
- CROSS SECTION NUMBER AND SHEET LOCATION 
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS) 
- TOP OF BANK 
- CHANNEL FORM TEMPLATE 
- RIPARIAN DEPRESSION 
- APPROXIMATE EXISTING CONVEYOR ROUTE 
- EXISTING DIRT ROAD 
- PROPOSED DIRT ROAD 
- V DITCH SWALE 
- PHASE BOUNDARY 
- RECLAMATION BOUNDARY 
- WATER WELL 
- EXISTING/PROPOSED 
- WIND TURBINE 
- EXISTING ELEV. 
- PROPOSED ELEV. 
- HORIZONTAL TO VERTICAL SLOPE 
- WATER SURFACE 
- PROJECT BOUNDARY 
- PARCEL LINE 
- EASEMENT 
- FLOW ARROW 

**BENCHMARK:**

EXISTING TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY DATED MAY 4, 2011, PROVIDED BY TOWILL SURVEYING. PROPERTY INFORMATION BASED ON RECORD OF SURVEY BY ROBINSON ENGINEERING IN BOOK 2018 OF MAPS PAGES 2-4 HORIZONTAL DATUM: CA NAD83 ZONE 2 VERTICAL DATUM: NAVD 88

**ASSESSORS PARCEL NOS:**

025-450-001, 049-080-004, 049-080-007, 049-070-004, 049-070-005, 049-070-006, 049-070-009, 049-070-010, 049-070-011, 049-070-019, 049-070-020, 049-070-021

**PROPERTY OWNER:**

CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC.  
2295 IRON POINT ROAD, SUITE 120  
FOLSOM, CA 95630

**APPLICANT:**

CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC.  
2365 IRON POINT ROAD, SUITE 120  
FOLSOM, CA 95630

**CIVIL ENGINEER:**

CUNNINGHAM ENGINEERING  
2940 SPAFFORD STREET, SUITE 200  
DAVIS, CALIFORNIA 95618  
(530) 758-2026

**PROPOSED MINING AREA:**

PLANT AREA: 25 ACRES (NO MINING)  
PHASE 1: 116 ACRES (NO FURTHER MINING)  
PHASE 2: 61 ACRES (NO FURTHER MINING)  
PHASE 3: 67 ACRES  
PHASE 4: 137 ACRES  
PHASE 5: 134 ACRES  
PHASE 6: 136 ACRES  
PHASE 7: 15 ACRES  
TOTAL: 691 ACRES  
TOTAL AREA OF REMAINING MINING: 489 ACRES

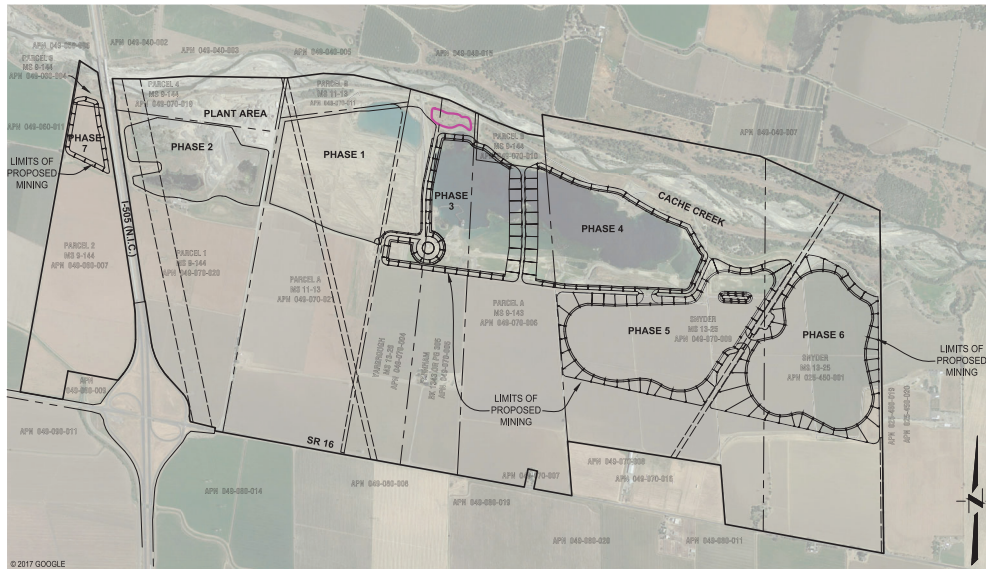
DATE SIGNED: \_\_\_\_\_  
THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE SIGNER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



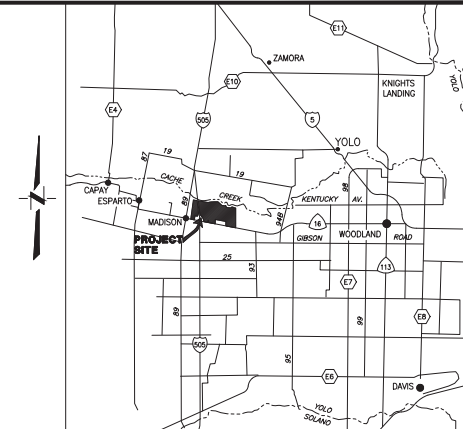
DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
KD					
SG					
SCALE					
AS SHOWN					

# OFF-CHANNEL MINING PLAN FOR CEMEX CACHE CREEK

YOLO COUNTY, CALIFORNIA  
JULY 2021



**KEY MAP**  
1"=1000'



**VICINITY MAP**  
NOT TO SCALE

**SHEET INDEX**

- M-01 TITLE SHEET
- M-02 NOTES AND DETAILS
- M-03 PROPERTY INFORMATION
- M-04 OVERALL PROPOSED MINING PLAN
- M-05 PHASES 1 AND 3
- M-06 PHASE 4
- M-07 PHASES 5 AND 6
- M-08 PHASES 2 AND 7
- M-09 SECTIONS 1-4
- M-10 SECTIONS 5-8
- M-11 SECTIONS 9-11
- M-12 SECTIONS 12-14
- M-13 SECTIONS 15-17
- M-14 SECTIONS 18-20
- M-15 SECTIONS 21-26

NOTE: RECLAMATION PLAN UNDER SEPARATE COVER

APN	Assessor Acres <sup>1</sup>	ROS Acres <sup>2</sup>	Ownership <sup>3</sup>	Zoning <sup>4</sup>	General Plan <sup>5</sup>
025-450-001	291.1	280.0	United Metro Materials Inc	A-N (SG)	AG, OS
049-060-004	6.3	6.3	Solano Concrete Co Inc	A-N (SG)	AG, OS
049-060-007	142.8	142.4	Solano Concrete Co Inc	A-N (SG)	AG
049-070-004	132.7	130.7	United Metro Materials Inc	A-N (SG)	AG, OS
049-070-005	98.5	112.8	United Metro Materials Inc	A-N (SG)	AG, OS
049-070-006	200.2	200.1	United Metro Materials Inc	A-N (SG)	AG, OS
049-070-009	444.0	461.6	United Metro Materials Inc	A-N (SG)	AG, OS
049-070-010	17.1	17.1	Solano Concrete Co Inc	A-N (SG)	AG, OS
049-070-011	26.2	26.5	Solano Concrete Co Inc	A-N (SG)	AG, OS
049-070-019	13.9	48.0	Solano Concrete Co Inc	A-N (SG)	AG, OS
049-070-020	212.2	218.5	United Metro Materials Inc	A-N (SG)	AG
049-070-021	276.4	278.3	Solano Concrete Co Inc	A-N (SG)	AG
<b>Total:</b>	<b>1,881.4</b>	<b>1,902.3</b>			

Notes:  
 1. Source: Yolo County Assessor, retrieved November 28, 2017, with verification thru Parcel Quest.  
 2. Source: Record of Survey in Yolo County Book 2018 of Maps at pages 2-4.  
 3. United Metro Materials, Inc. and Solano Concrete Co. Inc. are fully owned subsidiaries of CEMEX.  
 4. A-N = Agricultural Intensive. The Sand and Gravel (SG) overlay zone applies to State designated mineral resource zones (MRZ-2) containing critical geological positions needed for economic use in the future, as well as applying to existing mining operations. The portions of the parcels that are subject to mining already have the SG overlay.  
 5. Source: 2010 Countywide General Plan, with verification thru Yolo County GIS Public Viewer. AG = Agriculture. OS = Open Space. The Open Space land use designations applies to the portions of the parcels associated with Cache Creek.

**DRAWING STATUS:**

- PLAN REVIEW SET - NOT FOR CONSTRUCTION
- PERMIT SET



DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
KD					
SG					
SCALE					
AS SHOWN					



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 ■ Kenneth Allen  
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 Yuba City, TX 75601  
 (979) 945-2288

**CEMEX CACHE CREEK MINING PLAN**

**TITLE SHEET**

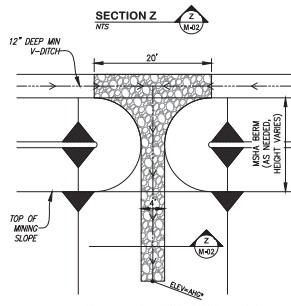
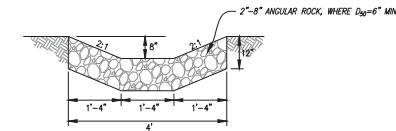
SHEET  
**M-01**  
OF  
**15**  
DATE: 7/12/2021  
JOB NO: 253.80

YOLO COUNTY

CALIFORNIA

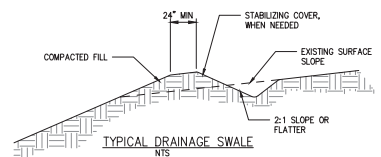
**GENERAL NOTES:**

- ALL WORK SHALL CONFORM TO THE YOLO COUNTY OFF-CHANNEL SURFACE MINING ORDINANCE (ORD.#1190), THE PROJECT SPECIFIC CONDITIONS OF APPROVAL, THE PROJECT WASTE DISCHARGE REQUIREMENTS (PDR), THE SURFACE MINING AND RECLAMATION ACT (SMARA), OSHA, MSHA, AND OTHER APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- EXISTING TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY DATED MAY 4, 2011, PROVIDED BY TOWILL SURVEYING SUPPLEMENTED WITH AERIAL TOPOGRAPHY DATED MAY 2015, HANDHELD GPS DATED SEPTEMBER 2017, AND AERIAL IMAGERY DATED BY GOOGLE EARTH. THE PROJECT SITE IS AN EXISTING, ON-GOING MINING OPERATION. THE PHYSICAL CONDITIONS DEPICTED IN THESE PLANS WILL CHANGE AS A RESULT OF ON-GOING MINING AND RECLAMATION ACTIVITIES. THE CONDITIONS DEPICTED IN THESE PLANS WILL DIFFER FROM THE CONDITIONS ON THE SITE IMMEDIATELY PRIOR TO COMMENCEMENT OF THE MINING AND RECLAMATION ACTIVITIES PROPOSED IN THIS APPLICATION.
- TEMPORARY ACCESS WITHIN A UTILITY EASEMENT AREA TO ALLOW MINING WILL BE GOVERNED BY A JOINT USE AGREEMENT WITH THE APPROPRIATE UTILITY. IF NEEDED, USE CAUTION WHEN OPERATING ANY VEHICLES OR EQUIPMENT NEAR OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. COMPLY WITH ALL CONDITIONS LISTED IN THE CONSENT AGREEMENT.
- THE DEPTH OF MINING AND THE LIMIT-OF-MINING LINES ARE ONLY APPROXIMATE, AND ARE SUBJECT TO CHANGE BASED ON THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, AND THE ABILITY OF THE PRODUCER TO MEET THE RECLAMATION REQUIREMENTS. THE FORESEEABLE ESTIMATE OF VARIATION IS +/- 10' IN MINING DEPTH, +/-200' FOR THE SOUTHERN MINING BOUNDARY, AND +/-20% OF AREA FOR EACH TYPE OF RECLAMATION. ADDITIONALLY, THE SIZE OF EACH MINE PHASE AND LOCATION OF SEPARATORS BETWEEN THEM ARE SUBJECT TO CHANGE AS MINING RESERVES ARE UNCOVERED AND SITE BALANCES ARE RECALCULATED.
- HIGH AND LOW AVERAGE GROUNDWATER ELEVATIONS BASED ON \*ESTIMATION OF AVERAGE HIGH GROUNDWATER LEVELS: CEMEX MADISON PLANT, YOLO COUNTY\*, BY LIHODORFF & SCALMANNI CONSULTING ENGINEERS DATED NOVEMBER 30, 2016 AND \*ESTIMATION OF AVERAGE LOW GROUNDWATER LEVELS: CEMEX MADISON PLANT, YOLO COUNTY\*, BY LIHODORFF & SCALMANNI CONSULTING ENGINEERS DATED APRIL 26, 2017.
- ALL SLOPES ARE LABELED AS HORIZONTAL-VERTICAL. SLOPES FIVE FEET BELOW THE SUMMER LOW GROUNDWATER LEVEL AND ABOVE SHALL NOT BE STEEPER THAN 2:1. NO FINISH SLOPE SHALL EXCEED 1:1.
- PROVIDE PROTECTION TO WET PIT AREAS FROM STORMWATER AND/OR AGRICULTURAL RUNOFF THROUGH THE PLACEMENT OF BERMS AND/OR SWALES AS NEEDED.
- IF HUMAN SKELETA REMAINS ARE ENCOUNTERED DURING EXCAVATION, ALL WORK WITHIN SEVENTY-FIVE (75) FEET SHALL IMMEDIATELY STOP, AND THE COUNTY CORONER SHALL BE NOTIFIED WITHIN TWENTY-FOUR (24) HOURS. IF ANY CULTURAL RESOURCES, SUCH AS CHIPPED OR GROUND STONE, HISTORIC DEBRIS, BUILDING FOUNDATIONS, OR PALEONTOLOGICAL MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEN ALL WORK WITHIN SEVENTY-FIVE (75) FEET SHALL IMMEDIATELY STOP AND THE DIRECTOR SHALL BE NOTIFIED AT ONCE. ANY CULTURAL RESOURCES FOUND ON THE SITE SHALL BE RECORDED BY A QUALIFIED ARCHAEOLOGIST AND THE INFORMATION SHALL BE SUBMITTED TO THE COUNTY.
- OVERBURDEN SHALL BE STOCKPILED AND STUMPS, BRUSH, OR OTHER DEBRIS RESULTING FROM EXCAVATION AND/OR PROCESSING SHALL BE PROPERLY DISPOSED OF.
- UNNECESSARY PERSONNEL SHALL BE EXCLUDED FROM OFF-CHANNEL EXCAVATIONS. OPEN PITS SHALL BE FENCED WITH A FOUR STRAND WIRE FENCE OR THE EQUIVALENT, PRIOR TO THE COMMENCEMENT OF EXCAVATION. FENCING MAY ENCLOSE THE PROPERTY OF WHICH THE MINING SITE IS A PART, THE MINING SITE, OR BOTH. IN ADDITION, SIGNS SHALL BE INSTALLED AT THE PROJECT SITE BOUNDARIES AND ACCESS ROAD, INDICATING THAT THE EXCAVATION AREA IS A DANGER ZONE.
- EROSION CONTROL METHODS HAVE BEEN DESIGNED TO HANDLE RUNOFF FOR THE 20 YEAR/1 HOUR INTENSITY STORM EVENT.



TYP. RIP-RAP RUNDOWN DETAIL  
N.T.S.

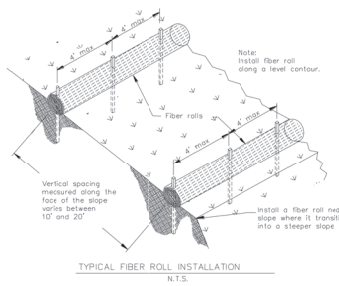
\*OR ELEVATION AS NOTED ON PLANS



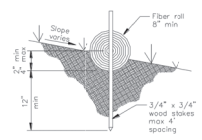
- NOTES:  
1. STABILIZE INLET, OUTLETS, AND SLOPES  
2. PROPERLY COMPACT THE SUBGRADE

**Fiber Rolls**

SE-5



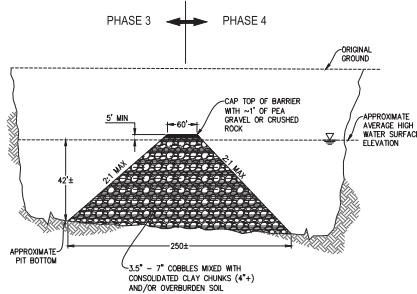
TYPICAL FIBER ROLL INSTALLATION  
N.T.S.



ENTRENCHMENT DETAIL  
N.T.S.

**ABBREVIATIONS:**

- AHG AVERAGE HIGH GROUNDWATER
- ALG AVERAGE LOW GROUNDWATER
- APN ASSESSOR'S PARCEL NUMBER
- CFT CHANNEL FORM TEMPLATE
- D DELTA
- E EAST
- L LENGTH
- MA MATCH
- MS MAPS AND SURVEYS
- MSHA MINE SAFETY AND HEALTH ADMINISTRATION
- N NORTH
- N.I.C. NOT IN CONTRACT
- OHE OVERHEAD ELECTRIC
- PL PROPERTY LINE
- R RADIUS
- S SOUTH
- TYP TYPICAL
- W WEST
- ZF ZONE FILE



TYPICAL ALLUVIAL SEPARATOR DETAIL  
N.T.S.

DATE SIGNED: \_\_\_\_\_  
THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE OWNER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



DESIGNED BY	KD	NO.	DATE	REVISIONS	BY	APPD.
DRAWN BY	KD					
CHECKED BY	SG					
SCALE	NONE					

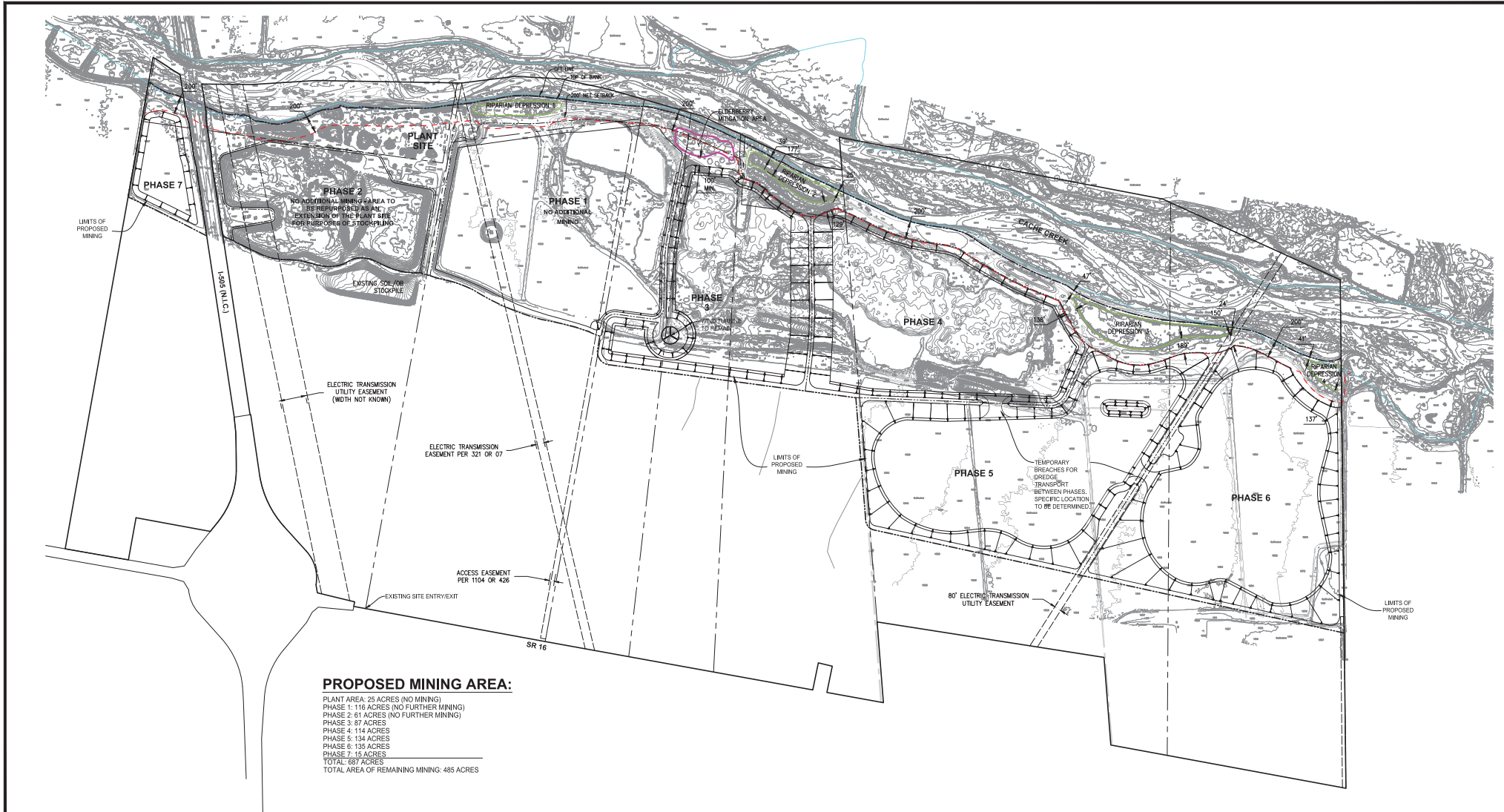


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916-945-2888

**CEMEX CACHE CREEK MINING PLAN**  
**NOTES AND DETAILS**

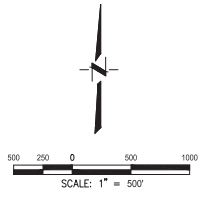
SHEET	M-02
OF	15
DATE:	7/12/2021
JOB NO:	253.80





**PROPOSED MINING AREA:**

- PLANT AREA: 25 ACRES (NO MINING)
- PHASE 1: 116 ACRES (NO FURTHER MINING)
- PHASE 2: 61 ACRES (NO FURTHER MINING)
- PHASE 3: 87 ACRES
- PHASE 4: 114 ACRES
- PHASE 5: 134 ACRES
- PHASE 6: 135 ACRES
- PHASE 7: 15 ACRES
- TOTAL: 667 ACRES
- TOTAL AREA OF REMAINING MINING: 485 ACRES



DATE SIGNED: \_\_\_\_\_  
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DESIGNED BY	KD	NO.	DATE	REVISIONS	BY	APPD.
DRAWN BY	KD					
CHECKED BY	SG					
SCALE	1" = 500'					



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Kevin D. Smith  
 2000 Street, Suite 200  
 University City, CA 92083  
 (619) 594-2000

























Kevin D. Smith  
 2000 Street, Suite 200  
 University City, CA 92083  
 (619) 594-2000

**CEMEX CACHE CREEK MINING PLAN**  
**OVERALL PROPOSED MINING PLAN**  
 YOLO COUNTY CALIFORNIA

SHEET **M-04** OF **15**  
 DATE: 7/12/2021  
 JOB NO: 253.80

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**LEGEND:**

- ELECTRIC TRANSMISSION TOWER 
- EXISTING GROUND CONTOUR 
- CROSS SECTION NUMBER AND SHEET LOCATION 
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS) 
- TOP OF BANK 
- CHANNEL FORM TEMPLATE 
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- WATER SURFACE 
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- EASEMENT 
- FLOW ARROW 

**NOTES:**

1. FINAL ELEVATIONS, EXTENTS, SLOPES, AND MINING DEPTHS ARE ONLY APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCT, THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, MARKET CONDITIONS, AND THE ABILITY OF THE OPERATOR TO MINE AND MEET THE RECLAMATION REQUIREMENTS.
2. ACTUAL DISTURBANCE WITHIN THE APPROXIMATE AREA TO BE MINED WILL BE DETERMINED ON AN OPERATIONAL BASIS. SOME AREAS MAY BE LEFT IN THEIR EXISTING CONDITION OR PARTIALLY MINED, WHERE OPERATOR ELECTS NOT TO MINE TO ELEVATION SHOWN, THE RECLAMATION ELEVATIONS SHOWN ON SUBSEQUENT PLAN SHEETS MAY NOT BE ACHIEVED.
3. MINING TO BE SETBACK 25' MINIMUM OR AS INDICATED FROM FOOTINGS OF EXISTING UTILITY TOWERS, MINING TO BE SETBACK 50' MINIMUM OR AS INDICATED FROM PROPERTY LINES.
4. TEMPORARY ACCESS WITHIN UTILITY EASEMENT AREAS TO ALLOW MINING WILL BE GOVERNED BY A JOINT USE AGREEMENT WITH THE APPROPRIATE UTILITY.
5. SLOPES FIVE FEET BELOW THE SUMMER LOW GROUNDWATER LEVEL AND ABOVE SHALL NOT BE STEEPER THAN 2:1. NO SLOPE SHALL EXCEED 1:1.

DATE SIGNED: \_\_\_\_\_  
 THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE OWNER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
DRAWN BY					
SG					
CHECKED BY					
SCALE	1" = 200'				



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 2000 Golden Gate Blvd, Suite 200  
 Emeryville, CA 94608  
 (415) 435-2888

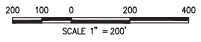
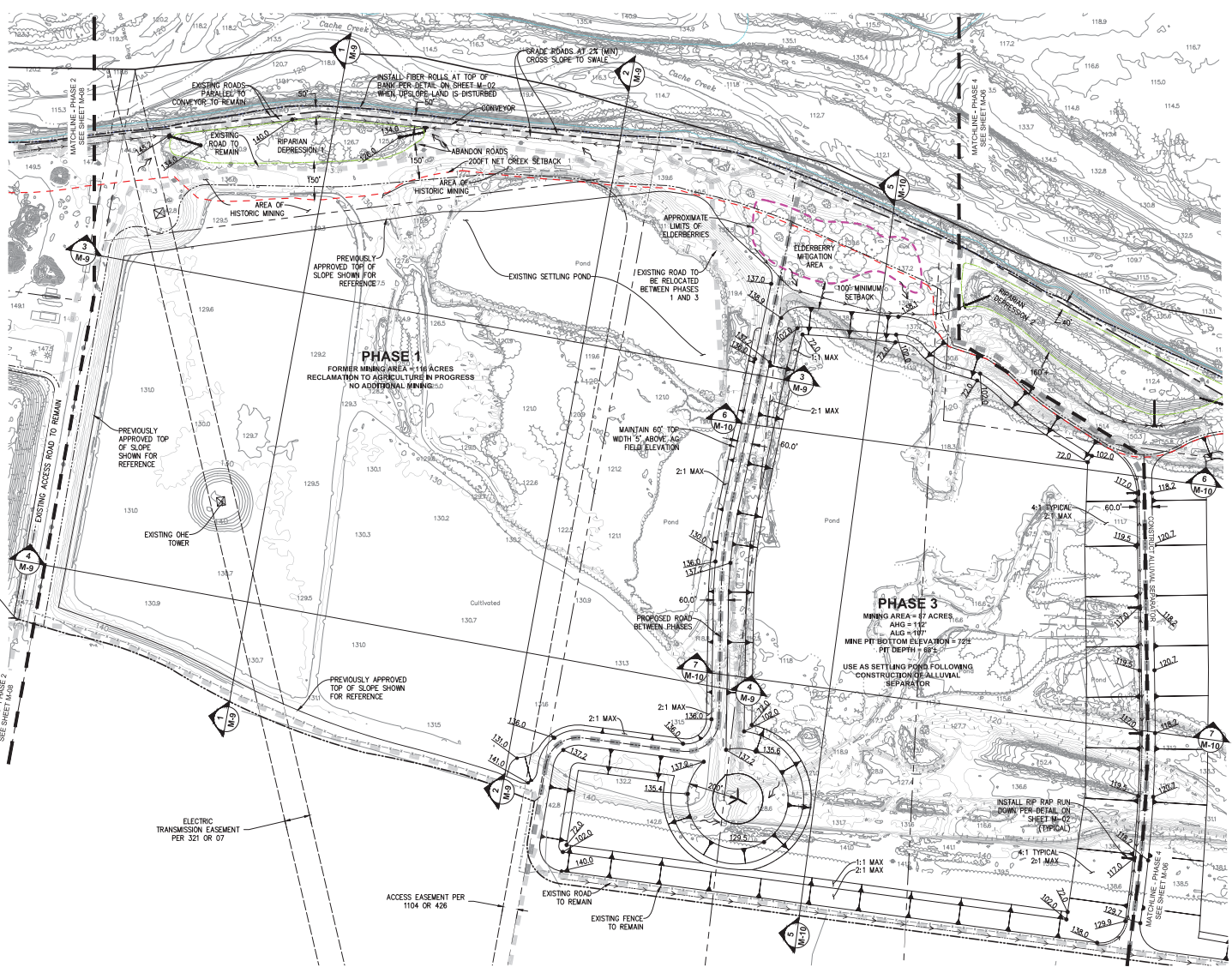
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**CEMEX CACHE CREEK MINING PLAN**

**PHASES 1 AND 3**









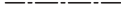









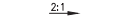


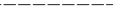


YOLO COUNTY CALIFORNIA

SHEET  
**M-05**  
 OF  
**15**  
 DATE: 7/12/2021  
 JOB NO: 253.80



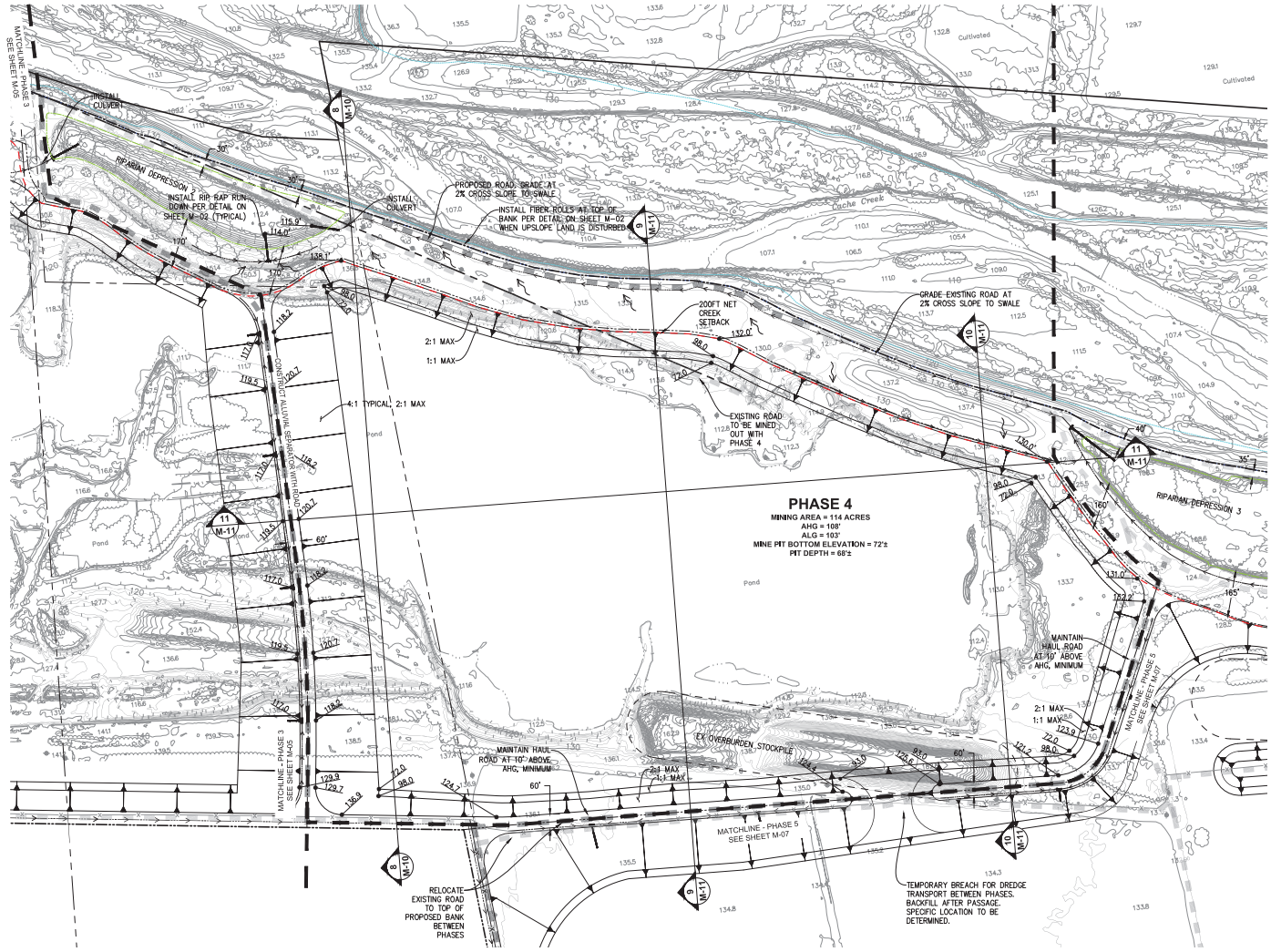
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**LEGEND:**

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4. TEMPORARY ACCESS WITHIN UTILITY EASEMENT AREAS TO ALLOW MINING WILL BE COVERED BY A JOINT USE AGREEMENT WITH THE APPROPRIATE UTILITY.
5. SLOPES FIVE FEET BELOW THE SUMMER LOW GROUNDWATER LEVEL AND ABOVE SHALL NOT BE STEEPER THAN 2:1. NO SLOPE SHALL EXCEED 1:1.



DATE SIGNED: \_\_\_\_\_  
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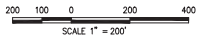
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CHECKED BY	SG					
SCALE	1" = 200'					



**CECWEST.COM**  
 Project Planning • Civil Engineering • Landscape Architecture  
 2000 Central Expressway, Suite 200, Hayward, CA 94541  
 Phone: 510-885-2888 Fax: 510-885-2889

**CEMEX CACHE CREEK MINING PLAN**  
**PHASE 4**  
 YOLO COUNTY CALIFORNIA

SHEET **M-06** OF 15  
 DATE: 7/12/2021  
 JOB NO: 253.80



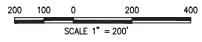
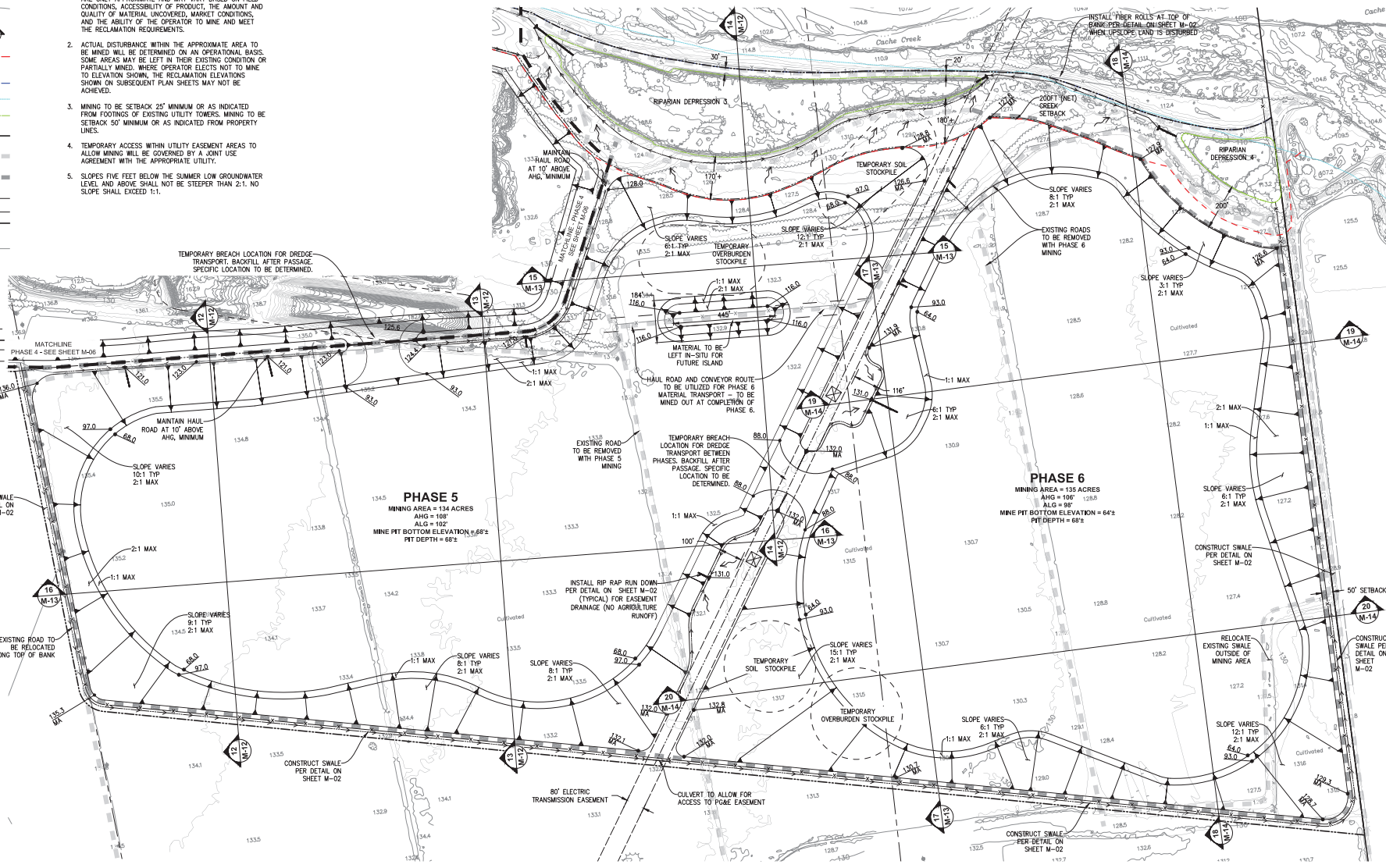
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**LEGEND:**

- ELECTRIC TRANSMISSION TOWER
- EXISTING GROUND CONTOUR
- CROSS SECTION NUMBER AND SHEET LOCATION
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS)
- TOP OF BANK
- CHANNEL FORM TEMPLATE
- RIPARIAN DEPRESSION
- APPROXIMATE EXISTING CONVEYOR ROUTE
- EXISTING DIRT ROAD
- PROPOSED DIRT ROAD
- V DITCH SWALE
- PHASE BOUNDARY
- RECLAMATION BOUNDARY
- WATER WELL
- EXISTING/PROPOSED
- WIND TURBINE
- EXISTING ELEV.
- PROPOSED ELEV.
- HORIZONTAL TO VERTICAL SLOPE
- WATER SURFACE
- PROJECT BOUNDARY
- PARCEL LINE
- EASEMENT
- FLOW ARROW

**NOTES:**

1. FINAL ELEVATIONS, EXTENTS, SLOPES, AND MINING DEPTHS ARE ONLY APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCT, THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, MARKET CONDITIONS, AND THE ABILITY OF THE OPERATOR TO MINE AND MEET THE RECLAMATION REQUIREMENTS.
2. ACTUAL DISTURBANCE WITHIN THE APPROXIMATE AREA TO BE MINED WILL BE DETERMINED ON AN OPERATIONAL BASIS. SOME AREAS MAY BE LEFT IN THEIR EXISTING CONDITION OR PARTIALLY MINED, WHERE OPERATOR ELECTS NOT TO MINE TO ELEVATION SHOWN, THE RECLAMATION ELEVATIONS SHOWN ON SUBSEQUENT PLAN SHEETS MAY NOT BE ACHIEVED.
3. MINING TO BE SETBACK 25' MINIMUM OR AS INDICATED FROM FOOTINGS OF EXISTING UTILITY TOWERS. MINING TO BE SETBACK 50' MINIMUM OR AS INDICATED FROM PROPERTY LINES.
4. TEMPORARY ACCESS WITHIN UTILITY EASEMENT AREAS TO ALLOW MINING WILL BE COVERED BY A JOINT USE AGREEMENT WITH THE APPROPRIATE UTILITY.
5. SLOPES FIVE FEET BELOW THE SUMMER LOW GROUNDWATER LEVEL AND ABOVE SHALL NOT BE STEEPER THAN 2:1. NO SLOPE SHALL EXCEED 1:1.



DATE SIGNED: THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE OWNER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
KD					
SG					

SCALE: 1" = 200'









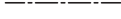












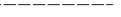




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 Sausalito, CA 94965  
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**CEMEX CACHE CREEK MINING PLAN**  
**PHASES 5 AND 6**

**SHEET M-07 OF 15**  
 DATE: 7/12/2021  
 JOB NO: 253.80

**LEGEND:**

- ELECTRIC TRANSMISSION TOWER 
- EXISTING GROUND CONTOUR 
- CROSS SECTION NUMBER AND SHEET LOCATION 
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS) 
- TOP OF BANK 
- CHANNEL FORM TEMPLATE 
- RIPARIAN DEPRESSION 
- APPROXIMATE EXISTING CONVEYOR ROUTE 
- EXISTING DIRT ROAD 
- PROPOSED DIRT ROAD 
- V DITCH SWALE 
- PHASE BOUNDARY 
- RECLAMATION BOUNDARY 
- WATER WELL 
- EXISTING/PROPOSED 
- WIND TURBINE 
- EXISTING ELEV. 
- PROPOSED ELEV. 
- HORIZONTAL TO VERTICAL SLOPE 
- WATER SURFACE 
- PROJECT BOUNDARY 
- PARCEL LINE 
- EASEMENT 
- FLOW ARROW 

**NOTES:**

1. FINAL ELEVATIONS, EXTENTS, SLOPES, AND MINING DEPTHS ARE ONLY APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCTS, THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, MARKET CONDITIONS, AND THE ABILITY OF THE OPERATOR TO MINE AND MEET THE RECLAMATION REQUIREMENTS.
2. ACTUAL DISTURBANCE WITHIN THE APPROXIMATE AREA TO BE MINED WILL BE DETERMINED ON AN OPERATIONAL BASIS. SOME AREAS MAY BE LEFT IN THEIR EXISTING CONDITION OR PARTIALLY MINED, WHERE OPERATOR ELECTS NOT TO MINE TO ELEVATION SHOWN, THE RECLAMATION ELEVATIONS SHOWN ON SUBSEQUENT PLAN SHEETS MAY NOT BE ACHIEVED.
3. MINING TO BE SETBACK 25' MINIMUM OR AS INDICATED FROM FOOTINGS OF EXISTING UTILITY TOWERS. MINING TO BE SETBACK 50' MINIMUM OR AS INDICATED FROM PROPERTY LINES.
4. TEMPORARY ACCESS WITHIN UTILITY EASEMENT AREAS TO ALLOW MINING WILL BE COVERED BY A JOINT USE AGREEMENT WITH THE APPROPRIATE UTILITY.
5. SLOPES FIVE FEET BELOW THE SUMMER LOW GROUNDWATER LEVEL AND ABOVE SHALL NOT BE STEEPER THAN 2:1. NO SLOPE SHALL EXCEED 1:1.
6. PHASE 7 TO BE DRY MINED ONLY WITHOUT THE USE OF A DREDGE BELOW THE SEASONAL WATER SURFACE ELEVATION.
7. STOCKPILES SHALL NOT EXCEED A HEIGHT OF 40 FEET.

DATE SIGNED: \_\_\_\_\_  
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DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
DRAWN BY					
SG					
CHECKED BY					
SCALE					
1" = 200'					



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**Kevin D. Kopp**  
 2000 Golden State Blvd. Suite 200  
 Downey, CA 90240  
 (714) 445-2888

**Kevin D. Kopp**  
 2000 Golden State Blvd. Suite 200  
 Downey, CA 90240  
 (714) 445-2888

**CEMEX CACHE CREEK MINING PLAN**

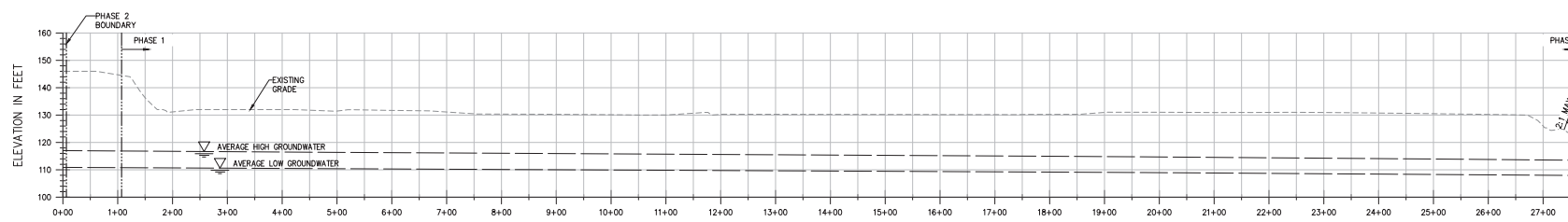
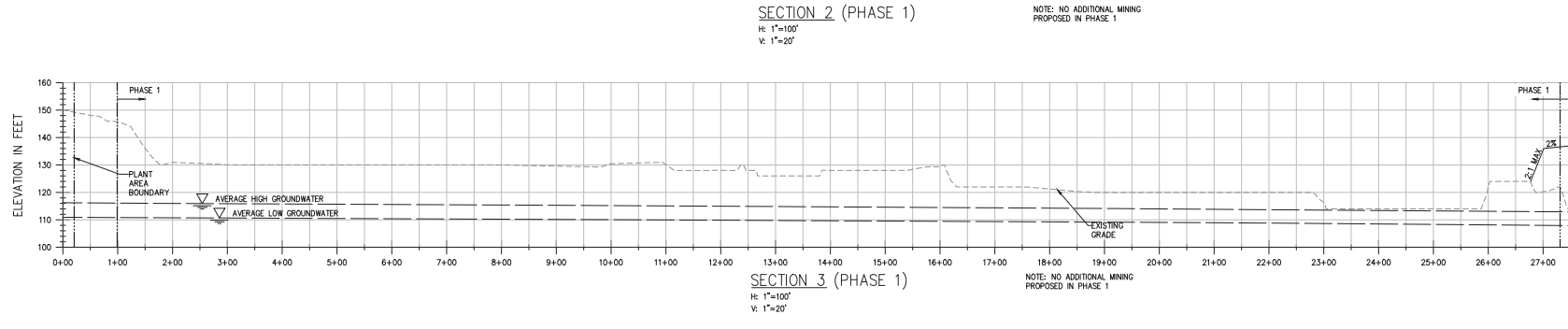
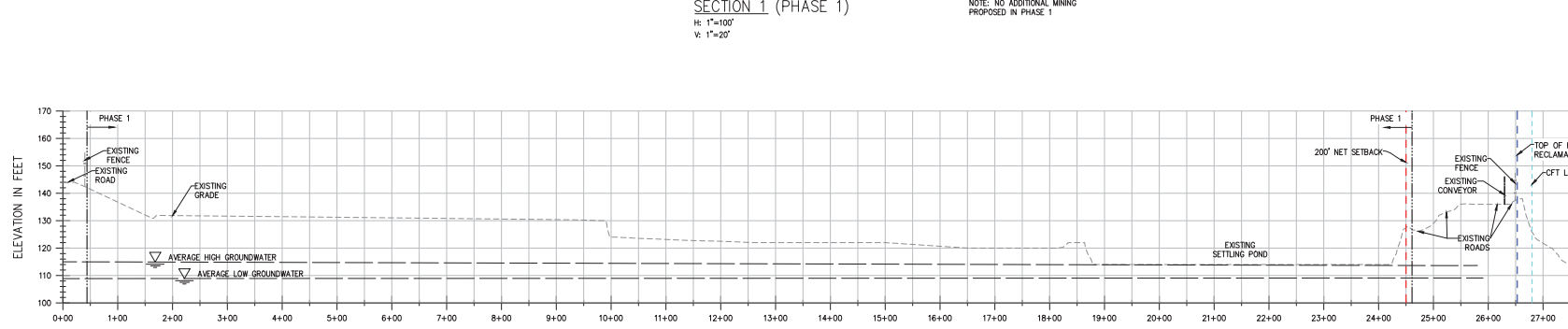
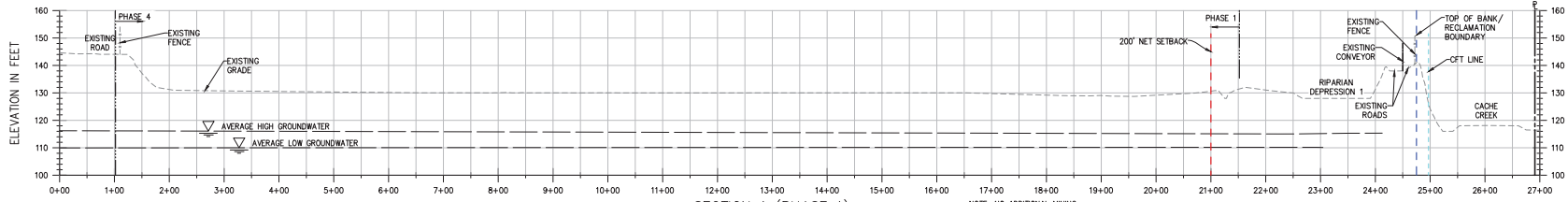
**PHASES 2 AND 7**

YOLO COUNTY CALIFORNIA

SHEET **M-08** OF 15  
 DATE: 7/12/2021  
 JOB NO: 253.80



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DRAWN BY	KD					
CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						



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Kenneth P. Lee  
 2000 North Street, Suite 200  
 University City, CA 92003  
 (619) 451-2288

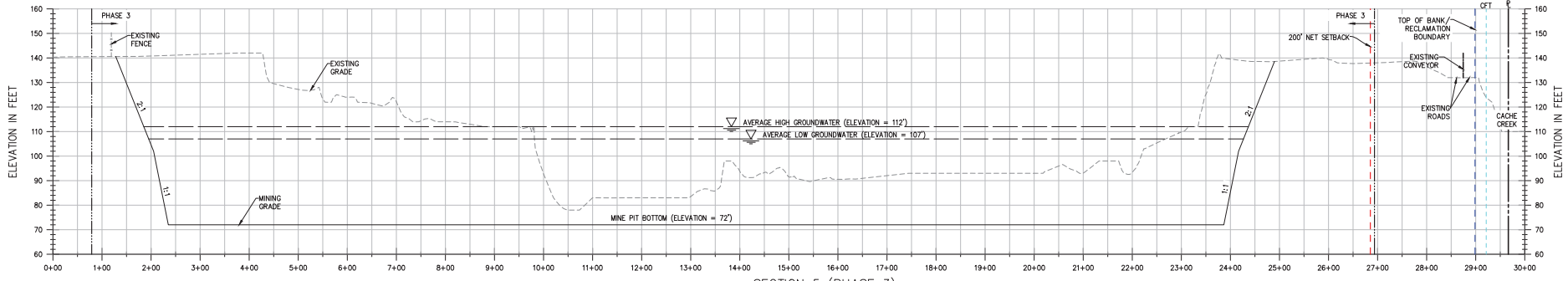
Jack Miller  
 2000 North Street, Suite 200  
 University City, CA 92003  
 (619) 451-2288

**CEMEX CACHE CREEK MINING PLAN**  
**SECTIONS 1-4**

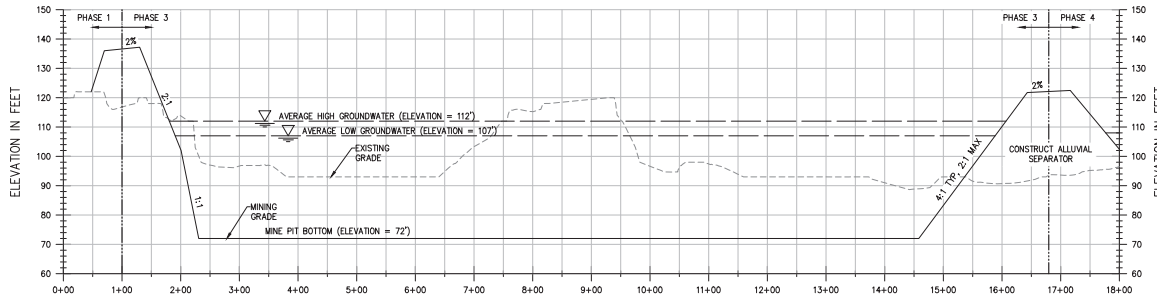
YOLO COUNTY CALIFORNIA JOB NO: 253.80

SHEET  
**M-09**  
 OF  
**15**  
 DATE: 7/12/2021

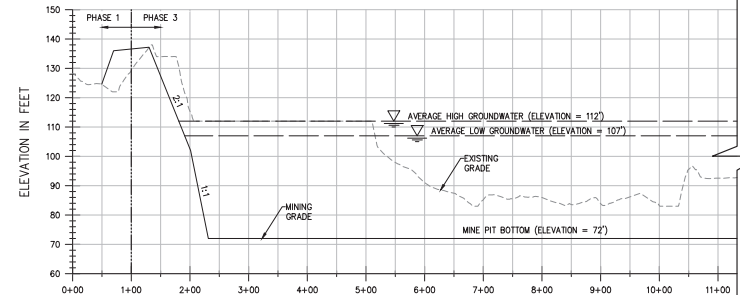
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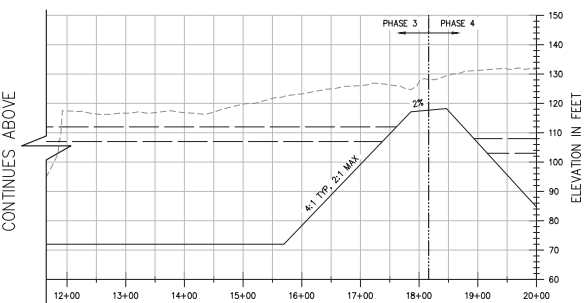
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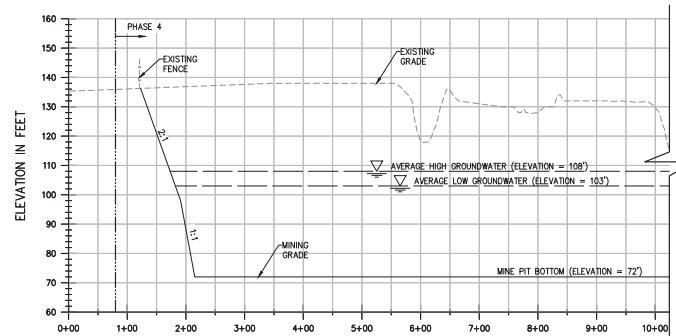
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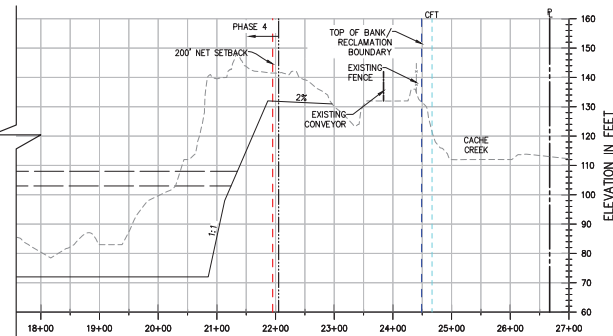
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 H: 1"=100'  
 V: 1"=20'



SECTION 7 (PHASE 3)  
 H: 1"=100'  
 V: 1"=20'



SECTION 8 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



CONTINUES BELOW

CONTINUES ABOVE

DATE SIGNED: \_\_\_\_\_  
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DESIGNED BY	KD	NO.	DATE	REVISIONS	BY	APPD.
DRAWN BY	KD					
CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						



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CEMEX CACHE CREEK MINING PLAN

SECTIONS 5-8

SHEET  
**M-10**  
 OF  
**15**

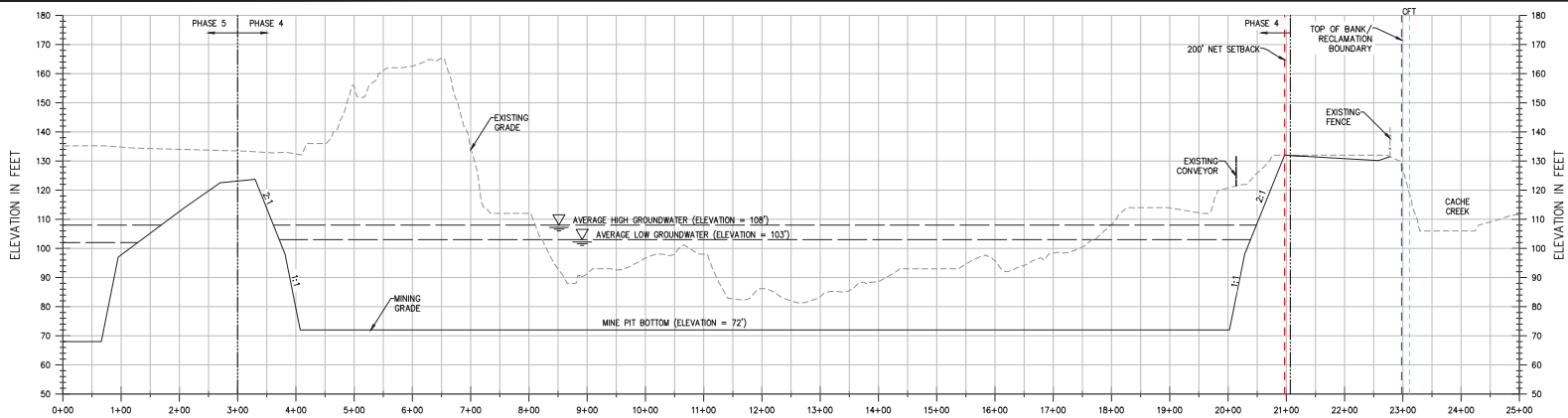
DATE: 7/12/2021

YOLO COUNTY

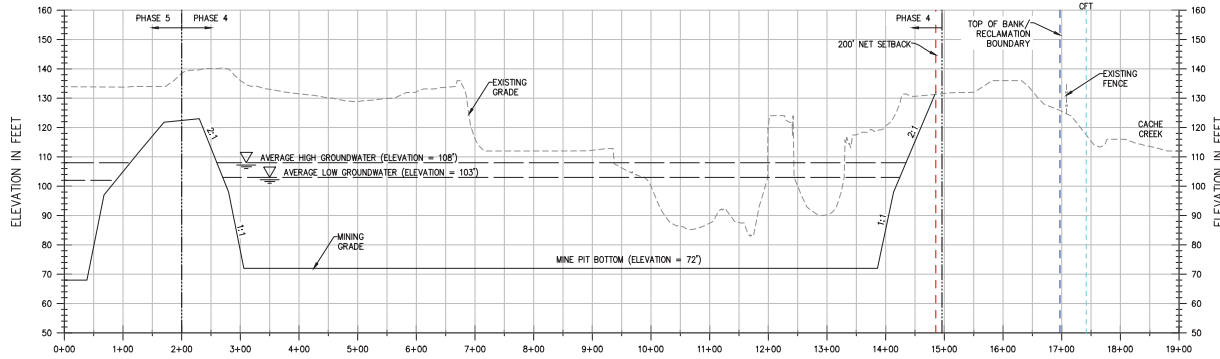
CALIFORNIA

JOB NO: 253.80

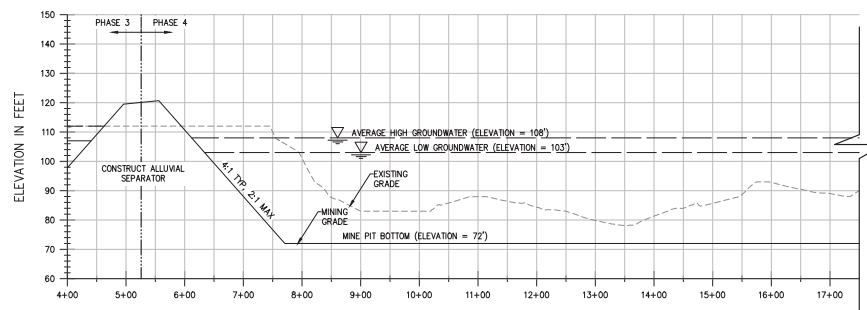
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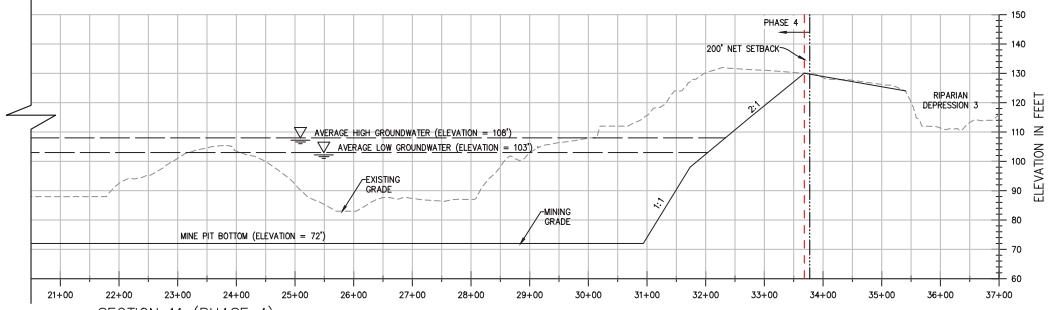
SECTION 9 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



SECTION 10 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



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 SIGNED AND DATED.



SECTION 11 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



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DRAWN BY	KD					
CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						



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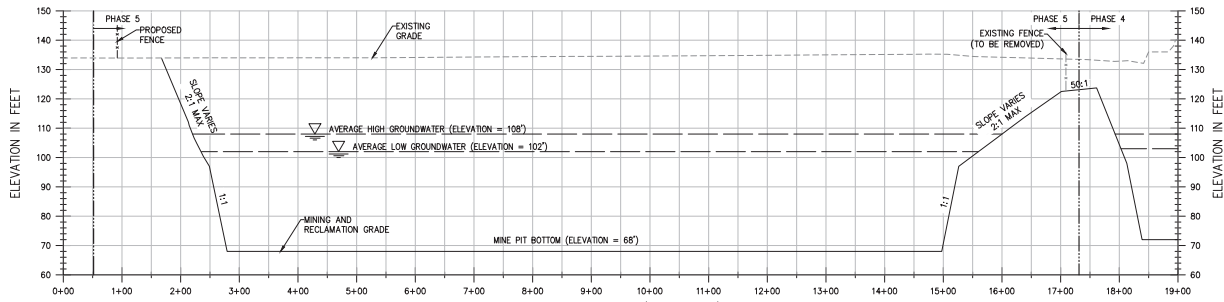
■ Kenneth P. Lee  
 2000 North 20th Street  
 University City, CA 92003  
 (619) 451-2288

■ Tom Kelle  
 2000 North 20th Street  
 University City, CA 92003  
 (619) 451-2288

CEMEX CACHE CREEK MINING PLAN

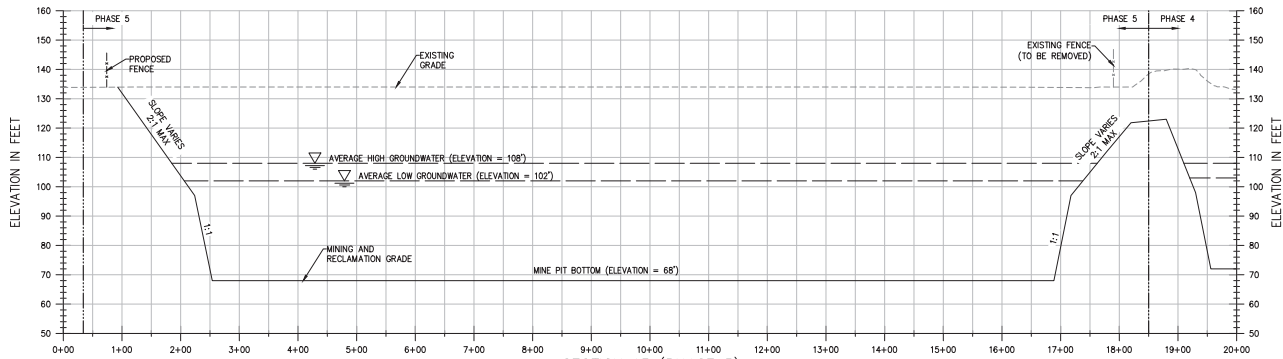
SECTIONS 9-11

SHEET  
**M-11**  
 OF  
**15**  
 DATE: 7/12/2021  
 JOB NO: 253.80



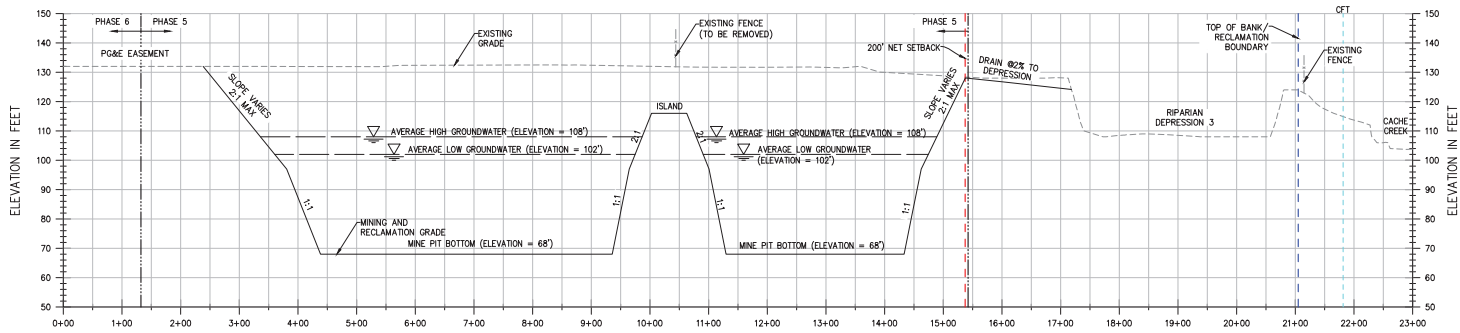
SECTION 12 (PHASE 5)

H: 1"=100'  
V: 1"=20'



SECTION 13 (PHASE 5)

H: 1"=100'  
V: 1"=20'



SECTION 14 (PHASE 5)

H: 1"=100'  
V: 1"=20'

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ENGINEER'S SEAL BELOW HAS BEEN  
SIGNED AND DATED.



DESIGNED BY: KD  
DRAWN BY: KD  
CHECKED BY: SG  
SCALE:  
H: 1"=100'  
V: 1"=20'

NO.	DATE	REVISIONS	BY	APPD.



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KIM HILL  
2000 Golden Gate Blvd, Suite 200  
Berkeley, CA 94704  
(415) 863-2288  
KIM HILL  
2000 Golden Gate Blvd, Suite 200  
Berkeley, CA 94704  
(415) 863-2288

CEMEX CACHE CREEK MINING PLAN

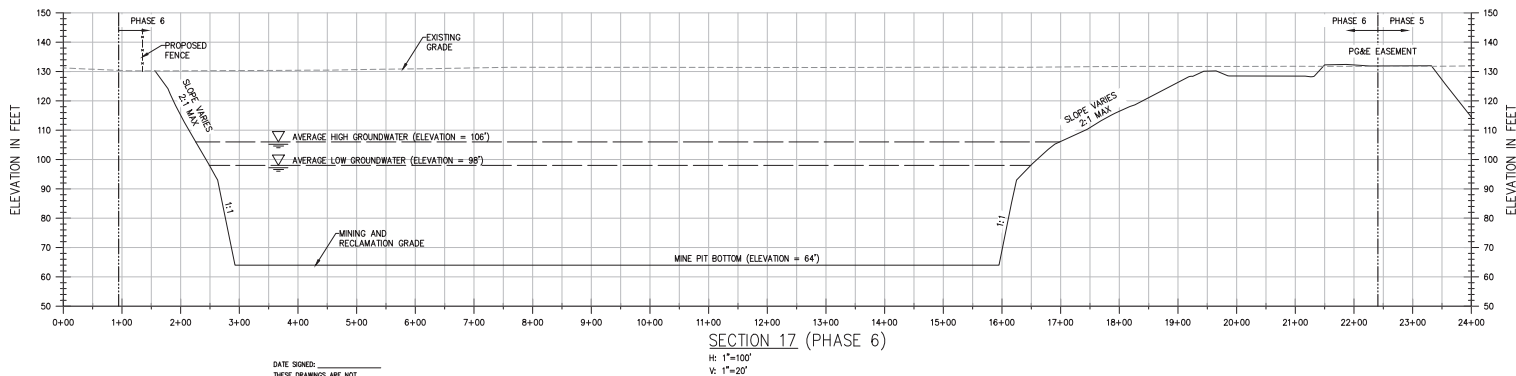
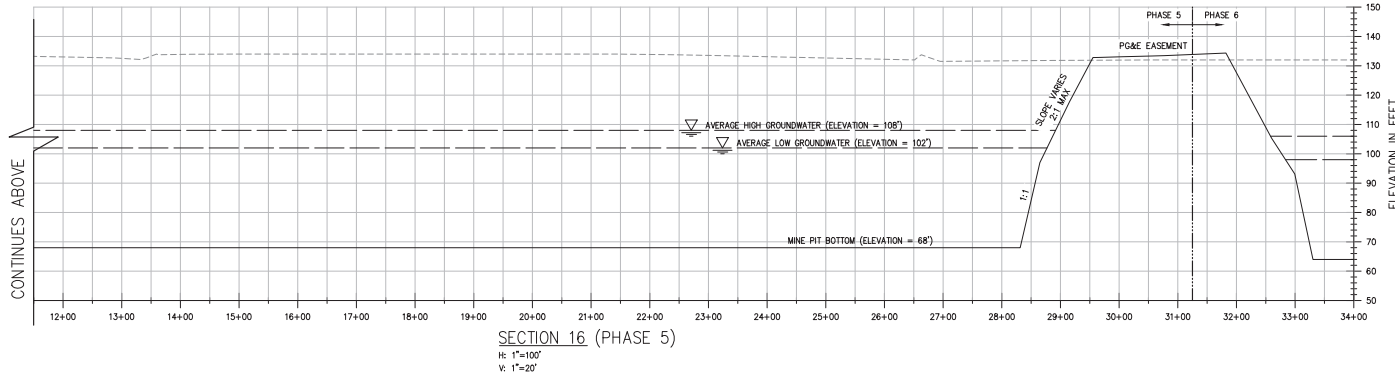
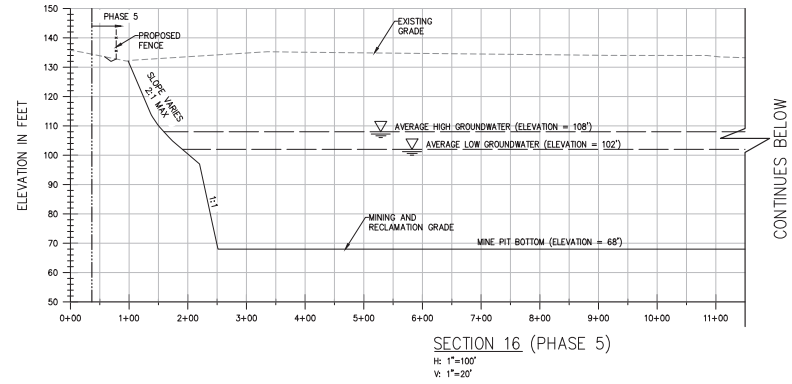
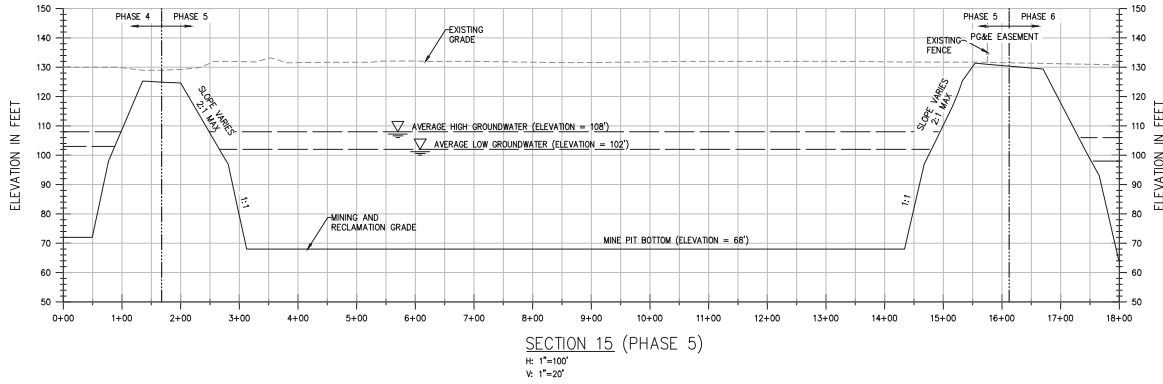
SECTIONS 12-14

YOLO COUNTY

CALIFORNIA

SHEET  
**M-12**  
OF  
**15**  
DATE: 7/12/2021  
JOB NO: 253.80

S:\MWD\2021\253.80 - Cache Creek Mining and the Form\ASSET\253.80-100-1012-001.dwg - SECTION 12-14 7/12/2021 - 14:57:19 Page 14 of 15



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DESIGNED BY	KD	NO.	DATE	REVISIONS	BY	APPD.
DRAWN BY	KD					
CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						

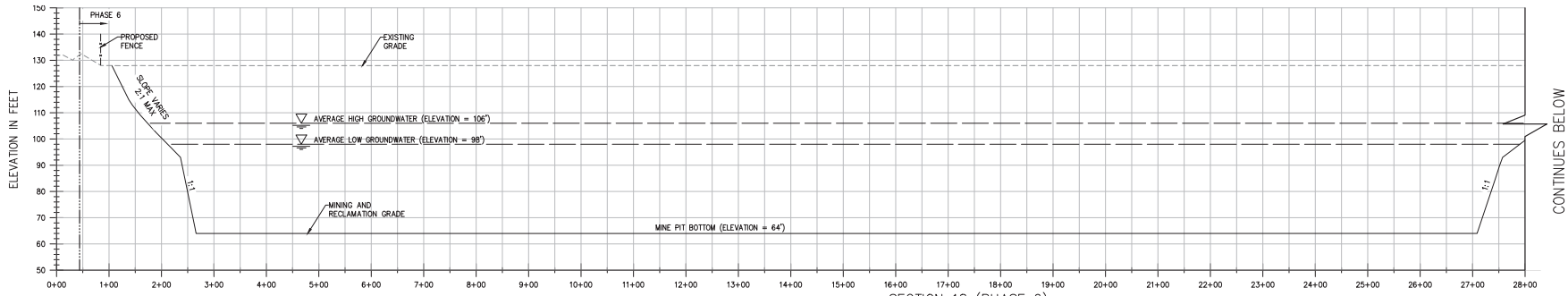


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 Kevin D. O'Connell  
 2000 Highway 99, Suite 200  
 Ukiah, CA 95568  
 (707) 462-2288

**CEMEX CACHE CREEK MINING PLAN**  
**SECTIONS 15-17**

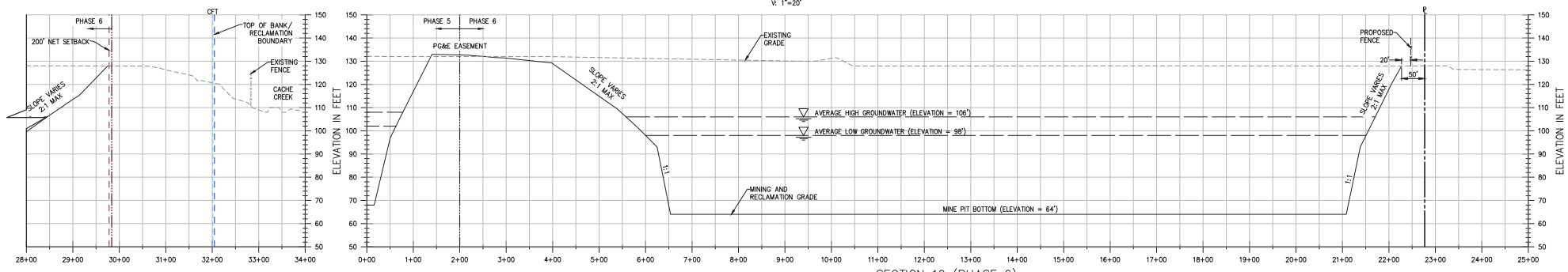
SHEET  
**M-13**  
 OF  
**15**  
 DATE: 7/12/2021  
 JOB NO: 253.80

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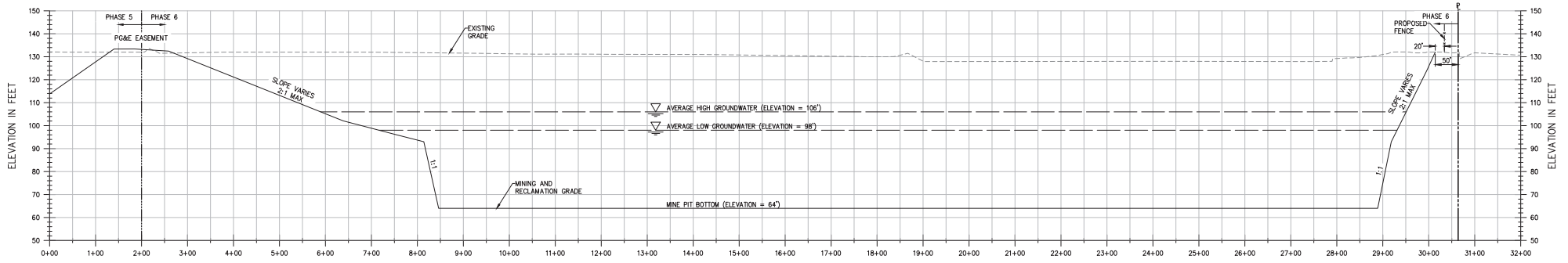
SECTION 18 (PHASE 6)  
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 V: 1"=20'

CONTINUES BELOW



SECTION 19 (PHASE 6)  
 H: 1"=100'  
 V: 1"=20'

SECTION 18 (PHASE 6)  
 H: 1"=100'  
 V: 1"=20'



SECTION 20 (PHASE 6)  
 H: 1"=100'  
 V: 1"=20'

DATE SIGNED: \_\_\_\_\_  
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 CONSIDERED FINAL UNTIL THE  
 ENGINEER'S SEAL BELOW HAS BEEN  
 SIGNED AND DATED.



DESIGNED BY	KD	NO.	DATE	REVISIONS	BY	APPD.
DRAWN BY	KD					
CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						



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 Beverly Hills, CA 90210  
 (310) 451-2000

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CEMEX CACHE CREEK MINING PLAN  
 SECTIONS 18-20


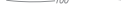














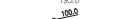
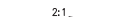







SHEET	M-14
OF	15
DATE	7/12/2021
JOB NO.	253.80



**RECLAMATION PLAN SHEETS**  
**(JULY 12, 2021)**

<b>SHEET</b>	<b>NAME</b>
R-01	Title Sheet
R-02	Notes and Details
R-03	Overall Reclamation Plan
R-04	Phase 1 and Phase 3
R-05	Phase 4
R-06	Phases 5 and 6
R-07	Phases 2 and 7
R-08	Sections 1-4
R-09	Sections 5-8
R-10	Sections 9-11
R-11	Sections 12-14
R-12	Sections 15-17
R-13	Sections 18-20
R-14	Sections 21-26
R-15	Sections 27-31

**LEGEND:**

- ELECTRIC TRANSMISSION TOWER 
- EXISTING GROUND CONTOUR 
- CROSS SECTION NUMBER AND SHEET LOCATION 
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS) 
- TOP OF BANK 
- CHANNEL FORM TEMPLATE 
- RIPARIAN DEPRESSION 
- APPROXIMATE EXISTING CONVEYOR ROUTE 
- EXISTING DIRT ROAD 
- PROPOSED DIRT ROAD 
- V DITCH SWALE 
- PHASE BOUNDARY 
- WATER WELL 
- EXISTING/PROPOSED FENCE 
- WIND TURBINE 
- EXISTING ELEV. 
- PROPOSED ELEV. 
- HORIZONTAL TO VERTICAL SLOPE 
- WATER SURFACE 
- PROJECT BOUNDARY 
- PARCEL LINE 
- SLOPE EASEMENT 
- FLOW ARROW 
- POINT OF SLOPE INCLINATION CHANGE 
- EXISTING RIP RAP RUN DOWN 

**BENCHMARK:**

EXISTING TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY DATED MAY 4, 2011, PROVIDED BY TOWILL SURVEYING. PROPERTY INFORMATION BASED ON RECORD OF SURVEY BY ROBINSON ENGINEERING IN BOOK 2018 OF MAPS PAGES 2-4 HORIZONTAL DATUM: CA NAD83 ZONE 2 VERTICAL DATUM: NAVD 88

**ASSESSORS PARCEL NOS:**

025-450-001, 049-080-004, 048-060-007, 049-070-020, 048-070-021, 048-070-004, 049-070-005, 049-070-006, 048-070-009, 049-070-010, 049-070-011, 049-070-019

**PROPERTY AREA:**

1902± ACRES

**PROPERTY OWNER:**

CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC, 2365 IRON POINT ROAD, SUITE 120 FOLSOM, CA 95630

**APPLICANT:**

CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC, 2365 IRON POINT ROAD, SUITE 120 FOLSOM, CA 95630

**CIVIL ENGINEER:**

CUNNINGHAM ENGINEERING 2940 SPAFFORD STREET, SUITE 200 DAVIS, CALIFORNIA 95618 (530) 758-2028

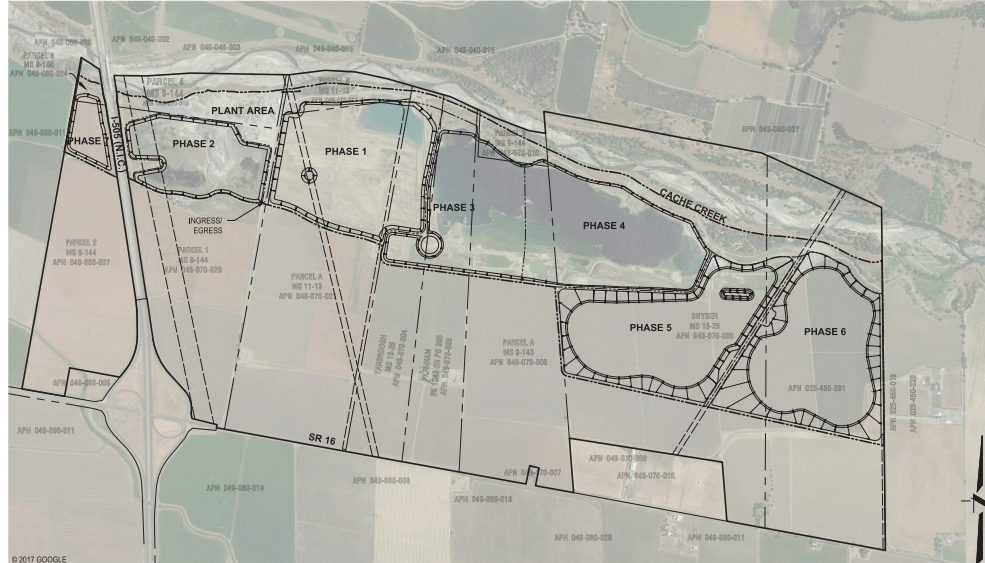
DATE SIGNED: THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
KD					
SG					
SCALE					
AS SHOWN					

# OFF-CHANNEL RECLAMATION PLAN FOR CEMEX CACHE CREEK

YOLO COUNTY, CALIFORNIA  
JULY 2021



**KEY MAP**  
1" = 1000'

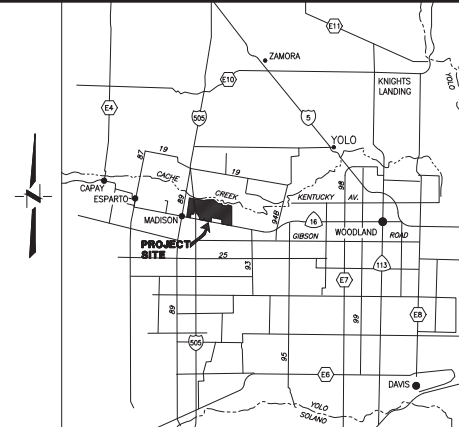
**LEGAL DESCRIPTION:**

BEING A PORTION OF RANCHO GUESISOSI, ALSO KNOWN AS THE GORDON GRANT, WITHIN PROJECTIONS OF TOWNSHIP 10 NORTH, RANGE 1 WEST, AND TOWNSHIP 10 NORTH, RANGE 1 EAST, WITHIN THE MOUNT DIABLO MERIDIAN, MORE SPECIFICALLY, BEING RECORD OF SURVEY DATED MAY 19, 2017, RECORDED AS BOOK 2018 OF MAPS AT PAGE 2-4, OFFICIAL RECORDS OF YOLO COUNTY, CALIFORNIA.

**PROPOSED RECLAMATION AREA:**

PLANT AREA: 35 ACRES  
PHASE 1: 131 ACRES  
PHASE 2: 64 ACRES  
PHASE 3: 100 ACRES  
PHASE 4: 119 ACRES  
PHASE 5: 148 ACRES  
PHASE 6: 148 ACRES  
PHASE 7: 21 ACRES  
REMAINDER: 76 ACRES  
TOTAL: 837 ACRES

NOTE: AREAS MAY NOT SUM TO TOTAL DUE TO ROUNDING



**VICINITY MAP**  
NOT TO SCALE

**SHEET INDEX**

- R-01 TITLE SHEET
- R-02 NOTES AND DETAILS
- R-03 OVERALL RECLAMATION PLAN
- R-04 PHASE 1 AND PHASE 3
- R-05 PHASE 4
- R-06 PHASES 5 AND 6
- R-07 PHASES 2 AND 7
- R-08 SECTIONS 1-4
- R-09 SECTIONS 5-8
- R-10 SECTIONS 9-11
- R-11 SECTIONS 12-14
- R-12 SECTIONS 15-17
- R-13 SECTIONS 18-20
- R-14 SECTIONS 21-26
- R-15 SECTIONS 27-30

NOTE: MINING PLAN UNDER SEPARATE COVER

**DRAWING STATUS:**

- PLAN REVIEW SET - NOT FOR CONSTRUCTION
- PERMIT SET



DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
KD					
SG					
SCALE					
AS SHOWN					



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**CEMEX CACHE CREEK RECLAMATION PLAN**

**TITLE SHEET**

YOLO COUNTY CALIFORNIA

SHEET **R-01** OF **15**

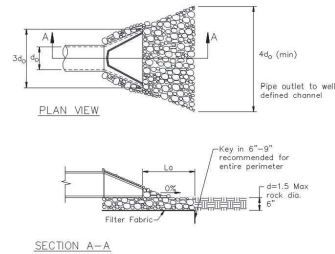
DATE: 7/12/2021

JOB NO: 253.80

**GENERAL NOTES:**

- ALL WORK SHALL CONFORM TO THE YOLO COUNTY SURFACE MINING RECLAMATION ORDINANCE (ORD. #1191), THE PROJECT SPECIFIC CONDITIONS OF APPROVAL, THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP), THE SURFACE MINING AND RECLAMATION ACT (SMARA), OSHA, MSHA, AND OTHER APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- EXISTING TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY DATED MAY 4, 2011, PROVIDED BY TOMILL SURVEYING SUPPLEMENTED WITH AERIAL TOPOGRAPHY DATED MAY 2015, HANDHELD GPS DATED SEPTEMBER 2017, AND AERIAL IMAGERY DATED MAY 20, 2017 BY GOOGLE EARTH. THE PROJECT SITE IS AN EXISTING, ON-GOING MINING OPERATION. THE PHYSICAL CONDITIONS DEPICTED IN THESE PLANS WILL CHANGE AS A RESULT OF ONGOING MINING AND RECLAMATION ACTIVITIES. THE CONDITIONS DEPICTED IN THESE PLANS WILL DIFFER FROM THE CONDITIONS ON THE SITE IMMEDIATELY PRIOR TO COMMENCEMENT OF THE MINING AND RECLAMATION ACTIVITIES PROPOSED IN THIS APPLICATION.
- TEMPORARY ACCESS WITHIN A UTILITY EASEMENT AREA TO ALLOW MINING WILL BE GOVERNED BY A JOINT USE AGREEMENT WITH THE APPROPRIATE UTILITY, IF NEEDED. USE CAUTION WHEN OPERATING ANY VEHICLES OR EQUIPMENT NEAR OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. COMPLY WITH ALL CONDITIONS LISTED IN THE CONSENT AGREEMENT.
- THE DEPTH OF MINING AND THE LIMIT-OF-MINING LINES ARE ONLY APPROXIMATE, AND ARE SUBJECT TO CHANGE BASED ON THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, AND THE ABILITY OF THE PRODUCER TO MEET THE RECLAMATION REQUIREMENTS. THE FORESEEABLE ESTIMATE OF VARIATION IS +/- 10% IN MINING DEPTH, AND +/- 20% OF AREA FOR RECLAMATION ON PIT FLOORS ARE MINIMUM VALUES.
- HIGH AND LOW AVERAGE GROUNDWATER ELEVATIONS BASED ON "ESTIMATION OF AVERAGE HIGH GROUNDWATER LEVELS CEMEX MADISON PLANT, YOLO COUNTY", BY LUHDORFF & SCALMANNI CONSULTING ENGINEERS DATED NOVEMBER 30, 2016 AND "ESTIMATION OF AVERAGE LOW GROUNDWATER LEVELS CEMEX MADISON PLANT, YOLO COUNTY", BY LUHDORFF & SCALMANNI CONSULTING ENGINEERS DATED APRIL 30, 2017.
- IF HUMAN SKELETAL REMAINS ARE ENCOUNTERED DURING EXCAVATION, ALL WORK WITHIN SEVENTY-FIVE (75) FEET SHALL IMMEDIATELY STOP, AND THE COUNTY CORONER SHALL BE NOTIFIED WITHIN TWENTY-FOUR (24) HOURS. IF ANY CULTURAL RESOURCES, SUCH AS CHIPPED OR GROUND STONE, HISTORIC DEBRIS, BUILDING FOUNDATIONS, OR PALEONTOLOGICAL MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEN ALL WORK WITHIN SEVENTY-FIVE (75) FEET SHALL IMMEDIATELY STOP AND THE DIRECTOR SHALL BE NOTIFIED AT ONCE. ANY CULTURAL RESOURCES FOUND ON THE SITE SHALL BE RECORDED BY A QUALIFIED ARCHAEOLOGIST AND THE INFORMATION SHALL BE SUBMITTED TO THE COUNTY.
- UNNECESSARY PERSONNEL SHALL BE EXCLUDED FROM OFF-CHANNEL EXCAVATIONS. OPEN PITS SHALL BE FENCED WITH A FOUR STRAND WIRE FENCE OR THE EQUIVALENT DURING RECLAMATION. FENCING MAY ENCLOSE THE PROPERTY OF WHICH THE MINING SITE IS A PART, THE MINING SITE, OR BOTH. IN ADDITION, SIGNS SHALL BE INSTALLED AT THE PROJECT SITE BOUNDARIES AND ACCESS ROAD, INDICATING THAT THE EXCAVATION AREA IS RESTRICTED. ADDITIONAL SECURITY SUCH AS GATES WITH PROTECTED LOCKS SHALL BE PROVIDED AT ALL VEHICULAR ROUTES.

**Velocity Dissipation Devices EC-10**



Pipe Diameter Inches	Discharge CFS	Apron Length, L <sub>a</sub> ft	Rip Rap D <sub>50</sub> Diameter Min Inches
12	5	10	4
	10	13	6
	15	16	6
18	20	16	8
	30	23	12
	40	26	16
24	30	16	8
	40	26	8
	50	36	12
	60	30	16

For larger or higher flows consult a Registered Civil Engineer  
Source: USDA - SCS

**ABBREVIATIONS:**

- AHG AVERAGE HIGH GROUNDWATER
- ALG AVERAGE LOW GROUNDWATER
- APN ASSESSOR'S PARCEL NUMBER
- CFT CHANNEL FORM TEMPLATE
- D DELTA
- E EAST
- L LENGTH
- MS MAPS AND SURVEYS
- MSHA MINE SAFETY AND HEALTH ADMINISTRATION
- N NORTH
- N.I.C. NOT IN CONTRACT
- OHE OVERHEAD ELECTRIC
- PL PROPERTY LINE
- R RADIUS
- S SOUTH
- TYP TYPICAL
- W WEST
- ZF ZONE FILE

DATE SIGNED: \_\_\_\_\_  
THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE OWNER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



DESIGNED BY	KD	NO.	DATE	REVISIONS	BY	APPD.
DRAWN BY	KD					
CHECKED BY	SG					
SCALE	NONE					



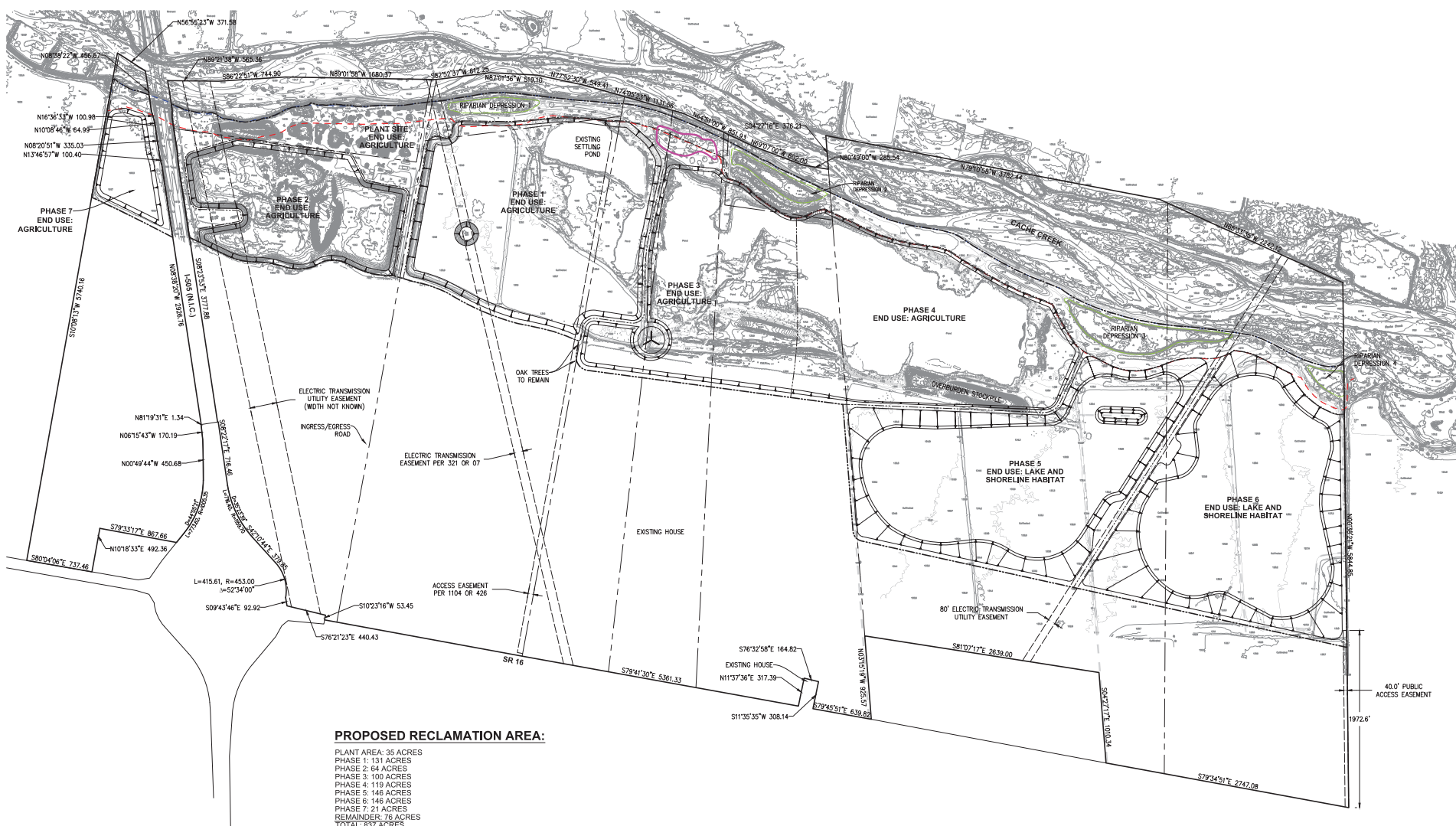
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 University City, CA 92083  
 (619) 451-2288  
 2800 Quail Court, Suite 200  
 San Diego, CA 92108  
 (619) 581-2288

**CEMEX CACHE CREEK RECLAMATION PLAN**  
**NOTES AND DETAILS**  
 YOLO COUNTY CALIFORNIA

SHEET **R-02** OF **15**  
 DATE: 7/12/2021  
 JOB NO: 253.80

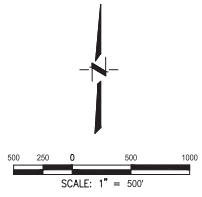
**DRAWING STATUS:**  
 PLAN REVIEW SET - NOT FOR CONSTRUCTION  
 PERMIT SET

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**PROPOSED RECLAMATION AREA:**  
 PLANT AREA: 35 ACRES  
 PHASE 1: 131 ACRES  
 PHASE 2: 64 ACRES  
 PHASE 3: 100 ACRES  
 PHASE 4: 119 ACRES  
 PHASE 5: 146 ACRES  
 PHASE 6: 146 ACRES  
 PHASE 7: 21 ACRES  
 REMAINDER: 76 ACRES  
 TOTAL: 837 ACRES

NOTE: AREAS MAY NOT SUM TO TOTAL DUE TO ROUNDING



DATE SIGNED: \_\_\_\_\_  
 THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
KD					
SG					

SCALE: 1" = 500'



Professional Engineer seal for Kevin D. Smith, State of California, License No. 50187. The seal is circular with "KEVIN D. SMITH" and "STATE OF CALIFORNIA" around the perimeter.

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 Project Planning • Civil Engineering • Landscape Architecture

Kevin D. Smith  
 2000 North Shore Blvd. Suite 200  
 University City, CA 92083  
 (619) 451-2000


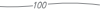







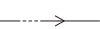
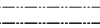
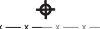


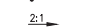






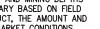
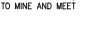
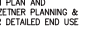

**CEMEX CACHE CREEK RECLAMATION PLAN**  
**OVERALL RECLAMATION PLAN**

YOLO COUNTY CALIFORNIA

SHEET  
**R-03**  
 OF  
**15**  
 DATE: 7/12/2021  
 JOB NO: 253.80

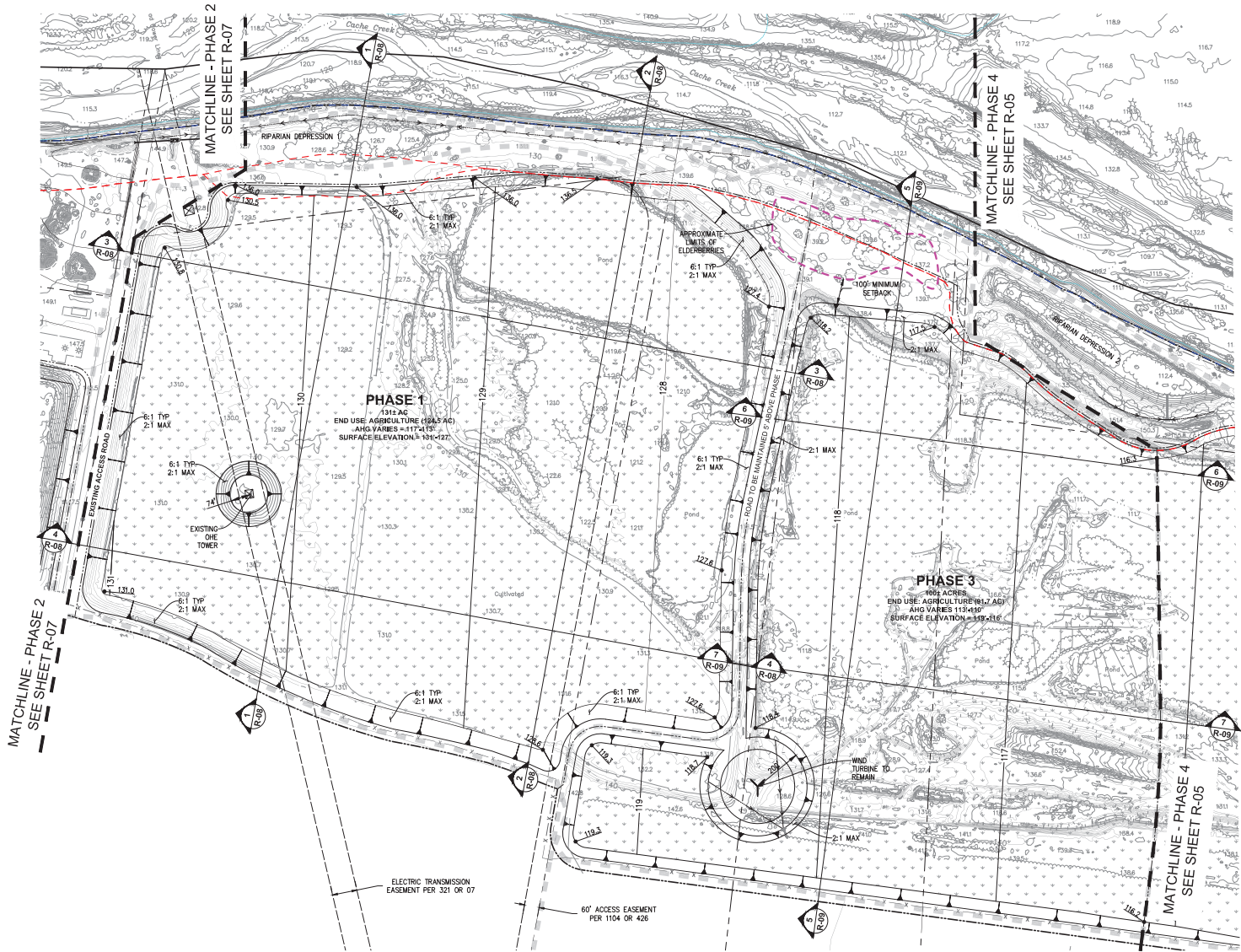
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**LEGEND:**

- ELECTRIC TRANSMISSION TOWER 
- EXISTING GROUND CONTOUR 
- CROSS SECTION NUMBER AND SHEET LOCATION 
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS) 
- TOP OF BANK 
- CHANNEL FORM TEMPLATE 
- RIPARIAN DEPRESSION 
- APPROXIMATE EXISTING CONVEYOR ROUTE 
- EXISTING DIRT ROAD 
- PROPOSED DIRT ROAD 
- V DITCH SWALE 
- PHASE BOUNDARY 
- RECLAMATION BOUNDARY 
- WATER WELL 
- EXISTING/PROPOSED 
- WIND TURBINE 
- EXISTING ELEV. 
- PROPOSED ELEV. 
- HORIZONTAL TO VERTICAL SLOPE 
- WATER SURFACE 
- PROJECT BOUNDARY 
- PARCEL LINE 
- EASEMENT 
- FLOW ARROW 
- AGRICULTURE 

**NOTES:**

1. FINAL ELEVATIONS, EXTENTS, SLOPES, AND MINING DEPTHS ARE ONLY APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCTS, THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, MARKET CONDITIONS, AND THE ABILITY OF THE OPERATOR TO MINE AND MEET THE RECLAMATION REQUIREMENTS.
2. SEE SEPARATE HABITAT RESTORATION PLAN AND ASSOCIATED FIGURES PREPARED BY ZETNER PLANNING & ECOLOGY DATED FEBRUARY 2018 FOR DETAILED END USE INFORMATION.
3. SLOPES SHALL BE CONSISTENT WITH THE RECOMMENDATIONS PROVIDED BY GEOCON ENGINEERING AND THE SLOPE STABILITY REPORT DATED FEBRUARY 2018.
4. THE INTENT WITH RECLAMATION SLOPES IS TO HAVE THEM BE IN-SITU CUT SLOPES (WITHOUT BACKFILL) WHERE POSSIBLE. HOWEVER, OPERATOR RESERVES THE RIGHT TO MINE TO PROJECT LIMITS AND BACKFILL IN A MANNER THAT SUBSTANTIALLY CONFORMS WITH THE SLOPES SHOWN ON THESE SHEETS.
5. BERMS, ACCESS ROADS, AND FENCING MAY REMAIN FOLLOWING RECLAMATION TO FACILITATE END USES AND YOLO COUNTY REQUIREMENTS.



DATE SIGNED: \_\_\_\_\_  
 THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.



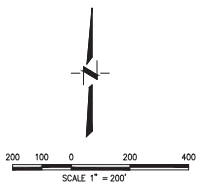
DESIGNED BY	NO.	DATE	REVISIONS	BY	APPD.
KD					
DRAWN BY					
KG					
CHECKED BY					
SG					
SCALE					
1" = 200'					



**CEMEX**  
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 Berkeley, CA 94704  
 (415) 863-2000

CECWEST.COM  
**CEMEX CACHE CREEK RECLAMATION PLAN**  
**PHASE 1 AND PHASE 3**  
 YOLO COUNTY CALIFORNIA

SHEET **R-04** OF **15**  
 DATE: 7/12/2021  
 JOB NO: 253.80



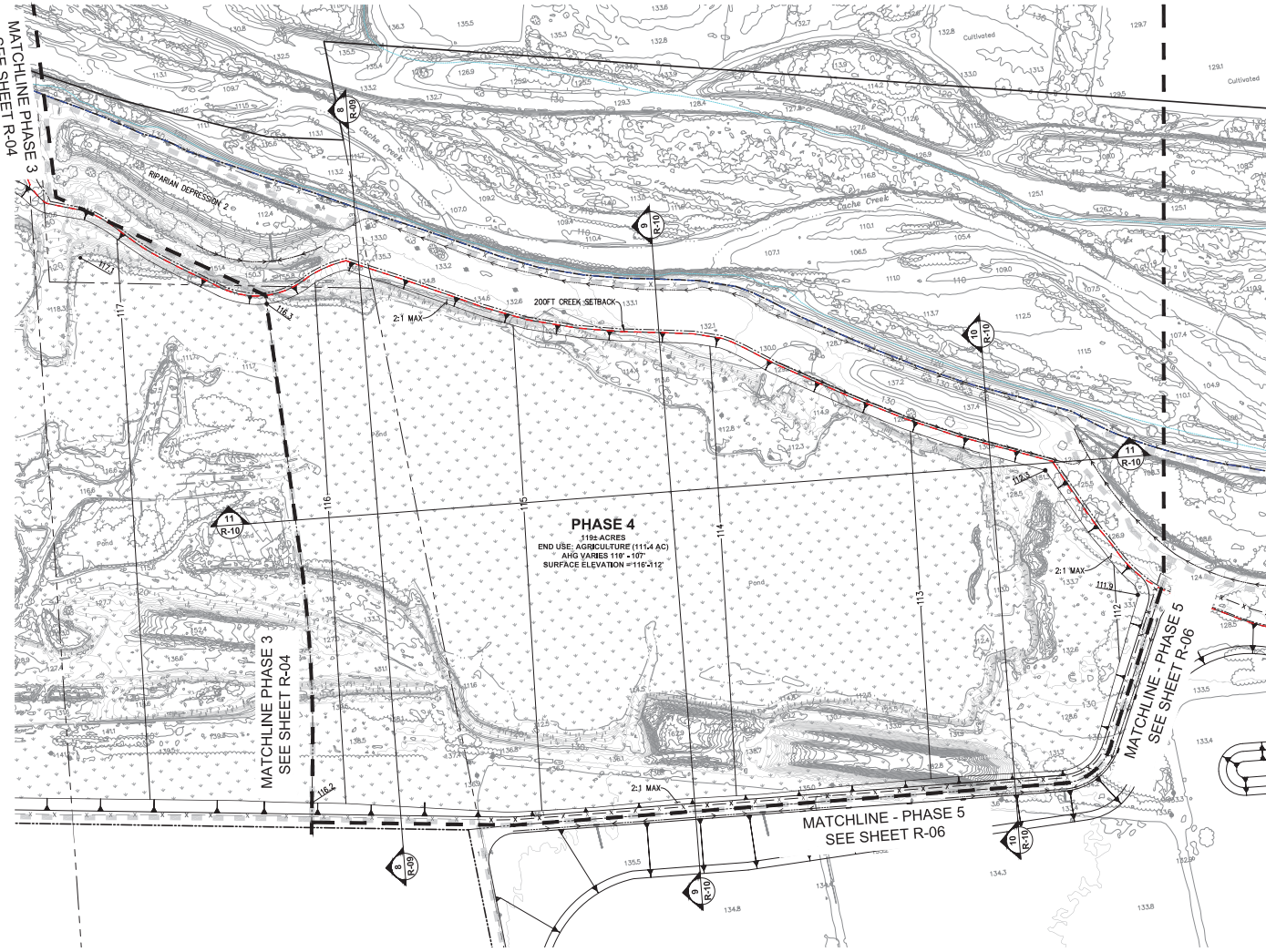
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**LEGEND:**

- ELECTRIC TRANSMISSION TOWER
- EXISTING GROUND CONTOUR
- CROSS SECTION NUMBER AND SHEET LOCATION
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS)
- TOP OF BANK
- CHANNEL FORM TEMPLATE
- RIPARIAN DEPRESSION
- APPROXIMATE EXISTING CONVEYOR ROUTE
- EXISTING DIRT ROAD
- PROPOSED DIRT ROAD
- V DITCH SWALE
- PHASE BOUNDARY
- RECLAMATION BOUNDARY
- WATER WELL
- EXISTING/PROPOSED
- WIND TURBINE
- EXISTING ELEV.
- PROPOSED ELEV.
- HORIZONTAL TO VERTICAL SLOPE
- WATER SURFACE
- PROJECT BOUNDARY
- PARCEL LINE
- EASEMENT
- FLOW ARROW
- AGRICULTURE

**NOTES:**

1. FINAL ELEVATIONS, EXTENTS, SLOPES, AND MINING DEPTHS ARE ONLY APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCTS, THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, MARKET CONDITIONS, AND THE ABILITY OF THE OPERATOR TO MINE AND MEET THE RECLAMATION REQUIREMENTS.
2. SEE SEPARATE HABITAT RESTORATION PLAN AND ASSOCIATED FIGURES PREPARED BY ZETNER PLANNING & ECOLOGY DATED FEBRUARY 2018 FOR DETAILED END USE INFORMATION.
3. SLOPES SHALL BE CONSISTENT WITH THE RECOMMENDATIONS PROVIDED BY GEOCON ENGINEERING AND THE SLOPE STABILITY REPORT DATED FEBRUARY 2018.
4. THE INTENT WITH RECLAMATION SLOPES IS TO HAVE THEM BE IN-SITU CUT SLOPES (WITHOUT BACKFILL) WHERE POSSIBLE. HOWEVER, OPERATOR RESERVES THE RIGHT TO MINE TO PROJECT LIMITS AND BACKFILL IN A MANNER THAT SUBSTANTIALLY CONFORMS WITH THE SLOPES SHOWN ON THESE SHEETS.
5. BERMS, ACCESS ROADS, AND FENCING MAY REMAIN FOLLOWING RECLAMATION TO FACILITATE END USES AND YOLO COUNTY REQUIREMENTS.



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CHECKED BY	SG					
SCALE	1" = 200'					



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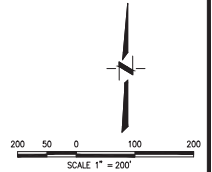
**CEMEX CACHE CREEK RECLAMATION PLAN**

**PHASE 4**

YOLO COUNTY

CALIFORNIA
























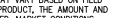
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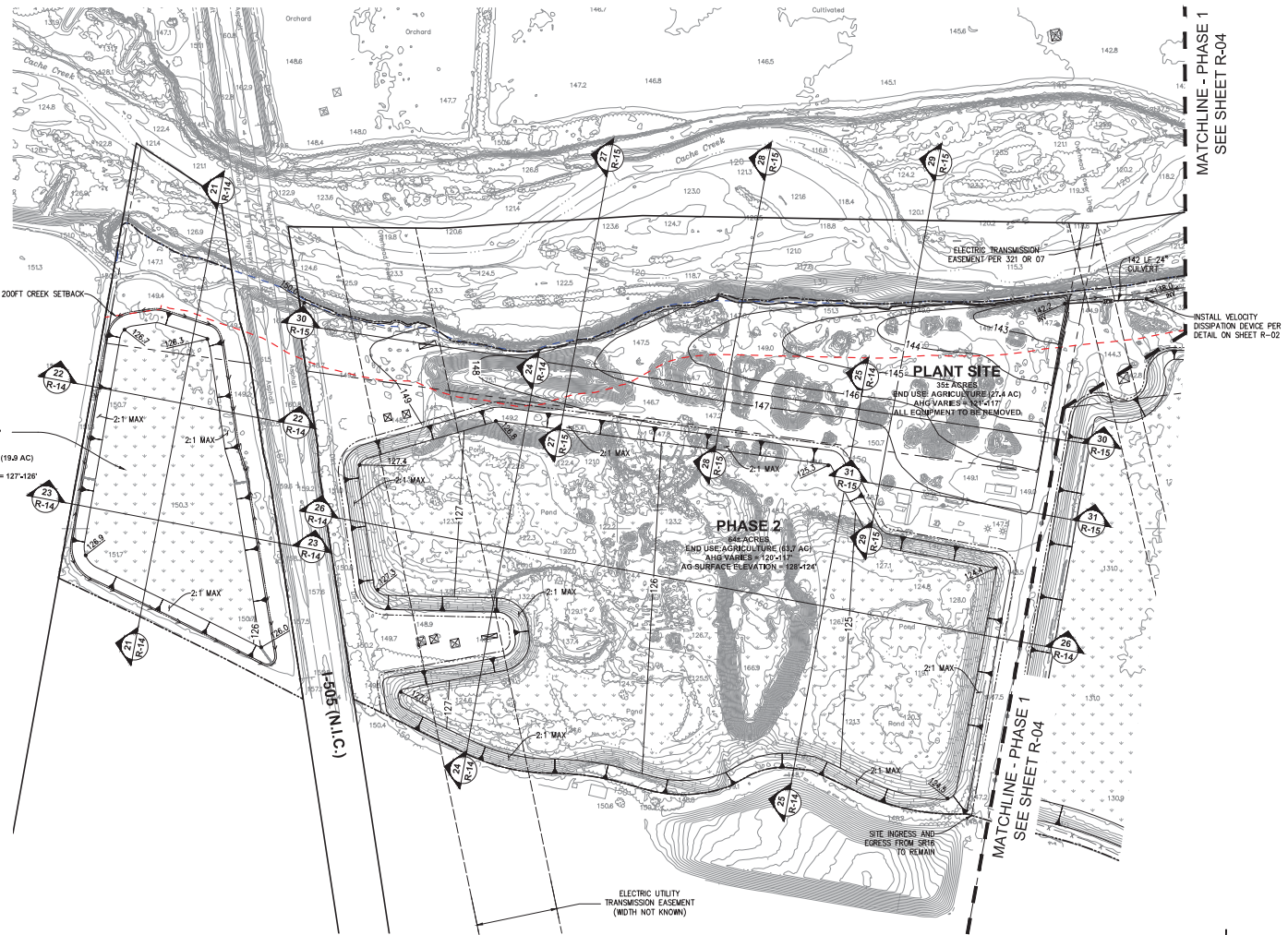


**LEGEND:**

- ELECTRIC TRANSMISSION TOWER 
- EXISTING GROUND CONTOUR 
- CROSS SECTION NUMBER AND SHEET LOCATION 
- 200' TOP OF BANK SETBACK (NET RIPARIAN AREAS) 
- TOP OF BANK 
- CHANNEL FORM TEMPLATE 
- RIPARIAN DEPRESSION 
- APPROXIMATE EXISTING CONVEYOR ROUTE 
- EXISTING DIRT ROAD 
- PROPOSED DIRT ROAD 
- V DITCH SWALE 
- PHASE BOUNDARY 
- RECLAMATION BOUNDARY 
- WATER WELL 
- EXISTING/PROPOSED 
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- EXISTING ELEV. 
- PROPOSED ELEV. 
- HORIZONTAL TO VERTICAL SLOPE 
- WATER SURFACE 
- PROJECT BOUNDARY 
- PARCEL LINE EASEMENT 
- FLOW ARROW 
- AGRICULTURE 

**NOTES:**

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5. BERMS, ACCESS ROADS, AND FENCING MAY REMAIN FOLLOWING RECLAMATION TO FACILITATE END USES AND YOLO COUNTY REQUIREMENTS.



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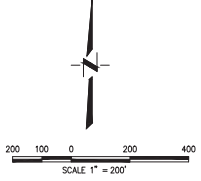
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KD					
DRAWN BY					
SG					
CHECKED BY					
SCALE					
1" = 200'					



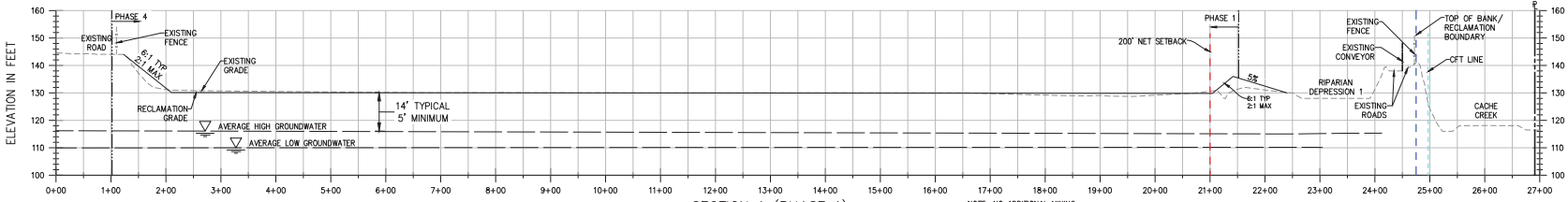
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**CEMEX CACHE CREEK RECLAMATION PLAN**  
**PHASES 2 AND 7**  
 YOLO COUNTY CALIFORNIA

SHEET  
**R-07**  
 OF  
**15**  
 DATE: 7/12/2021  
 JOB NO: 253.80

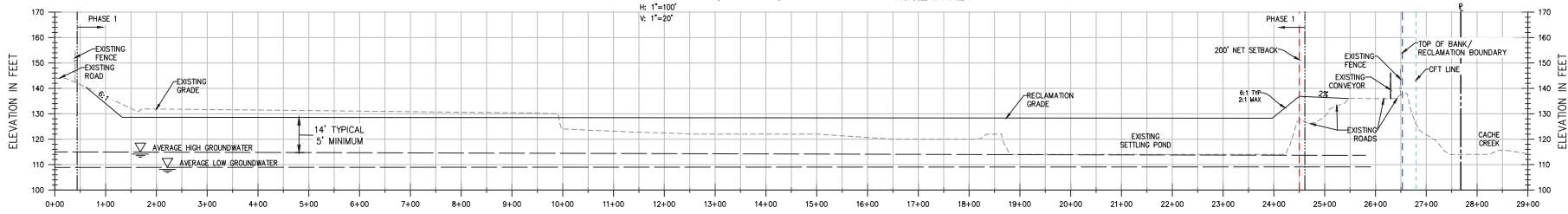


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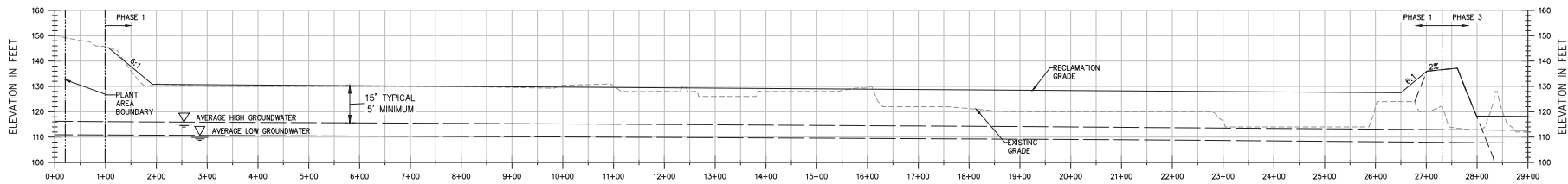
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V: 1"=20'



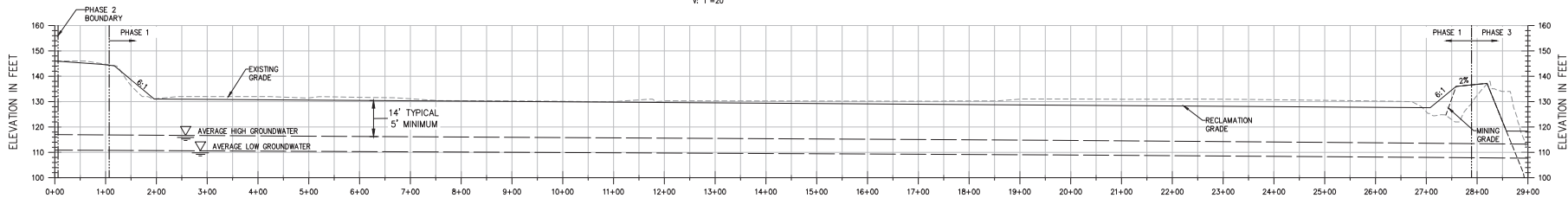
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V: 1"=20'



SECTION 3 (PHASE 1)

H: 1"=100'  
V: 1"=20'



SECTION 4 (PHASE 1)

H: 1"=100'  
V: 1"=20'

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CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						



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John Kelle  
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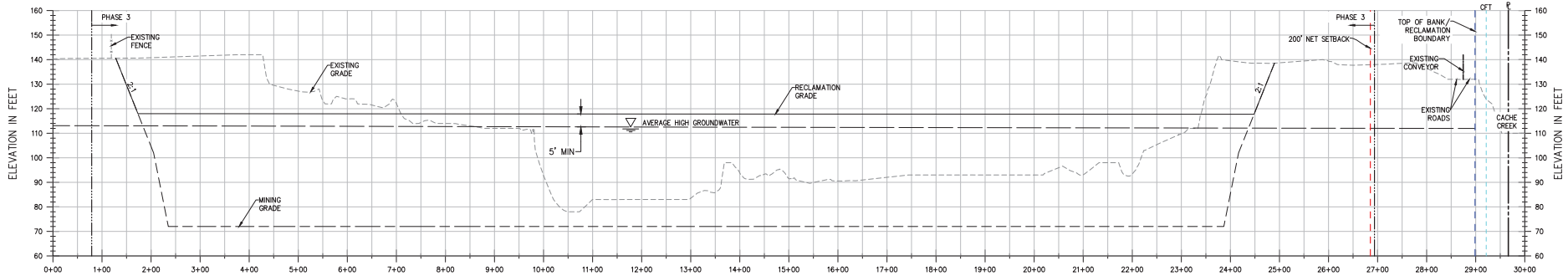
**CEMEX CACHE CREEK RECLAMATION PLAN**

**SECTIONS 1-4**

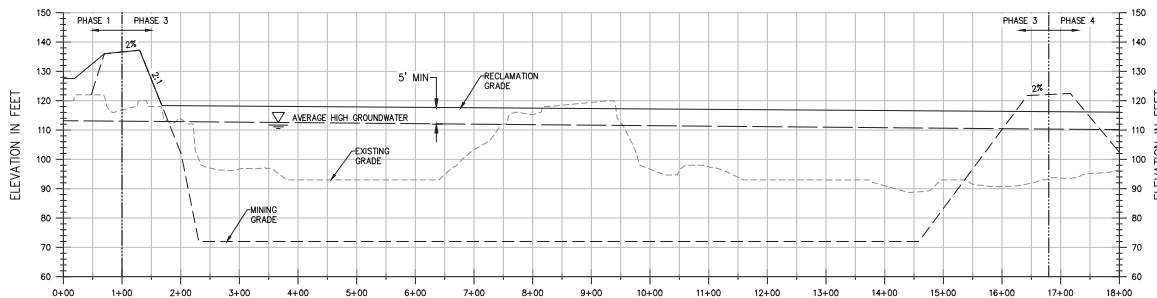
YOLO COUNTY CALIFORNIA

SHEET  
**R-08**  
OF  
**15**  
DATE: 7/12/2021  
JOB NO: 253.80

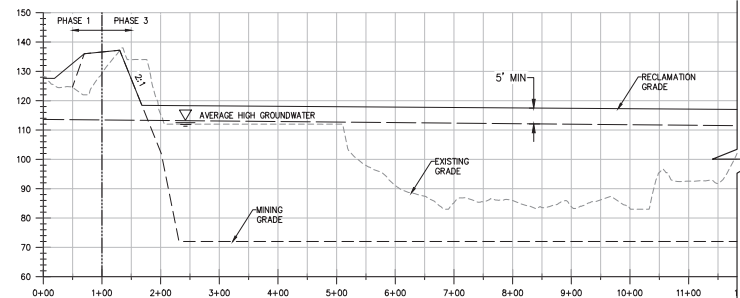
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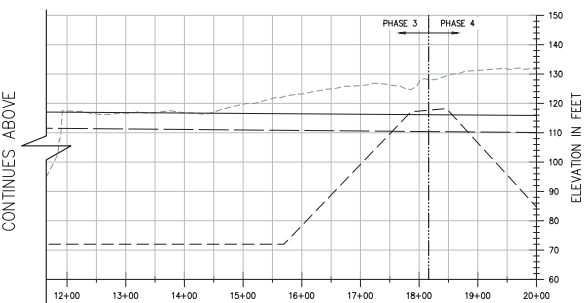
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 V: 1"=20'



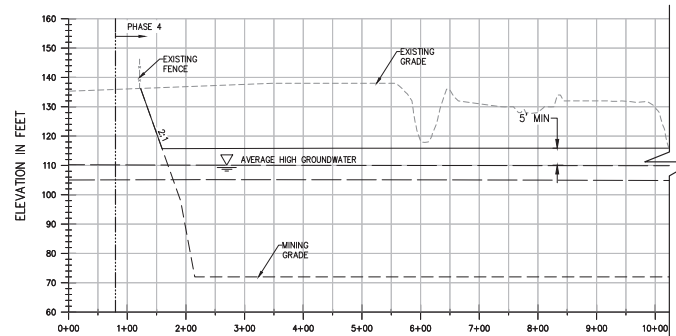
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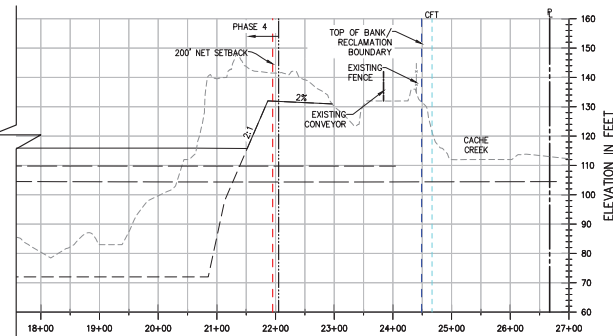
SECTION 7 (PHASE 3)  
 H: 1"=100'  
 V: 1"=20'



SECTION 7 (PHASE 3)  
 H: 1"=100'  
 V: 1"=20'



SECTION 8 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



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SCALE						
H: 1"=100'						
V: 1"=20'						



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**John Miller**  
 2000 Highland Street, Suite 200  
 San Diego, CA 92106  
 (619) 785-2288

CEMEX CACHE CREEK RECLAMATION PLAN

SECTIONS 5-8

YOLO COUNTY

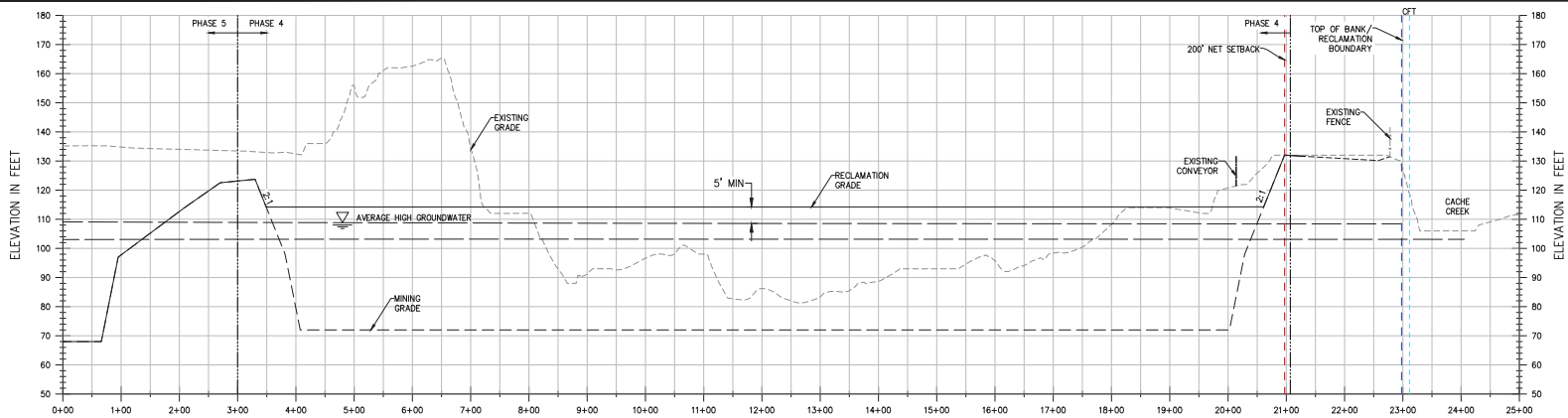
CALIFORNIA

SHEET  
**R-09**  
 OF  
**15**  
 DATE: 7/12/2021  
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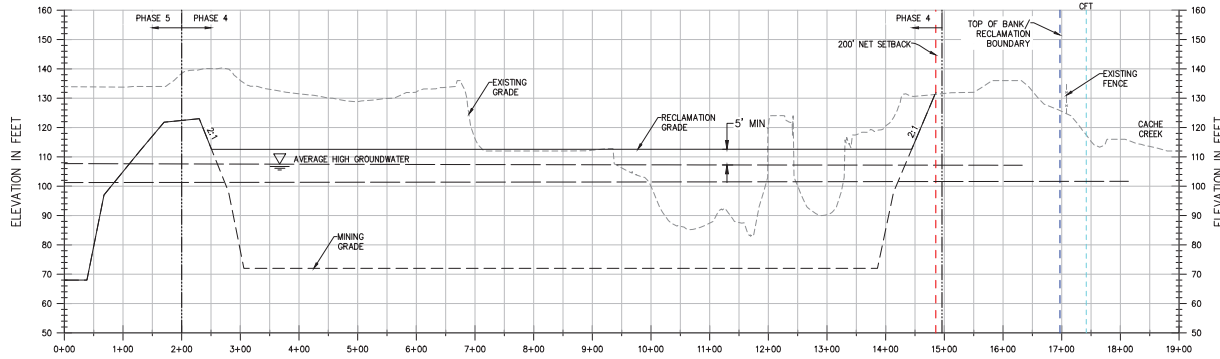
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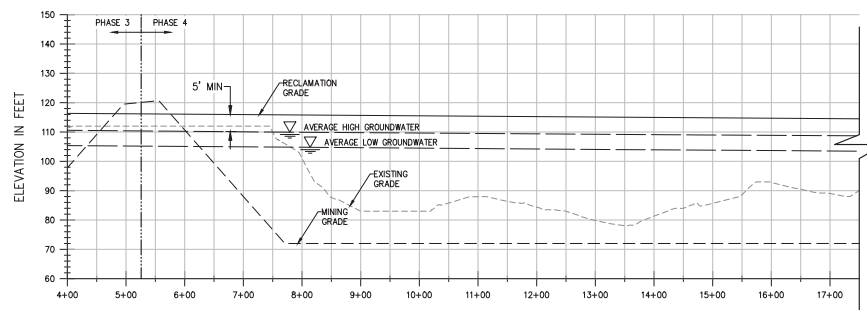
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SECTION 9 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



SECTION 10 (PHASE 4)  
 H: 1"=100'  
 V: 1"=20'



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SCALE						
H: 1"=100'						
V: 1"=20'						



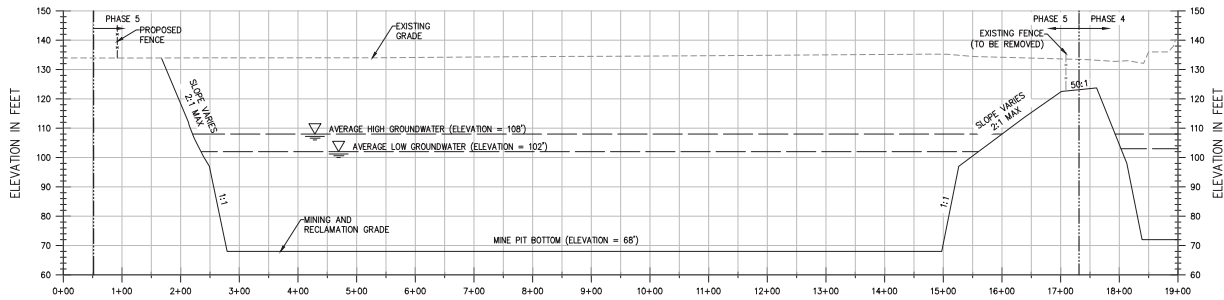
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CEMEX CACHE CREEK RECLAMATION PLAN

SECTIONS 9-11

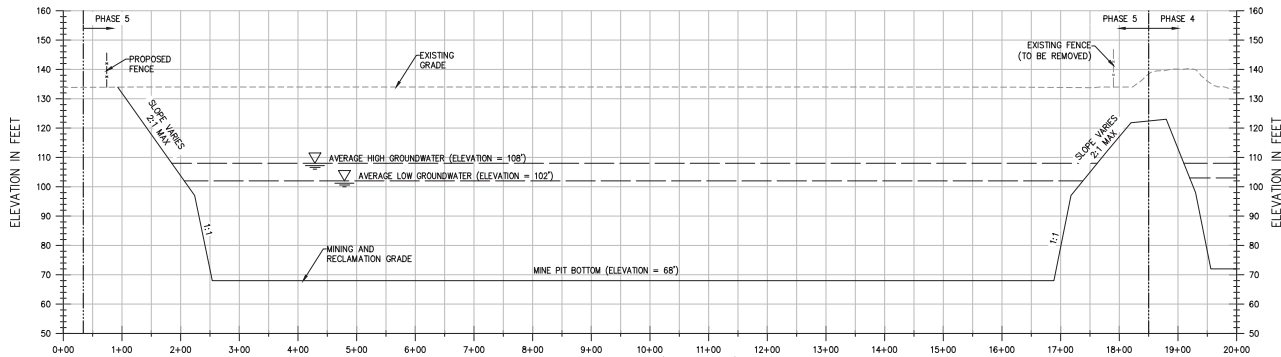
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**R-10**  
 OF  
**15**  
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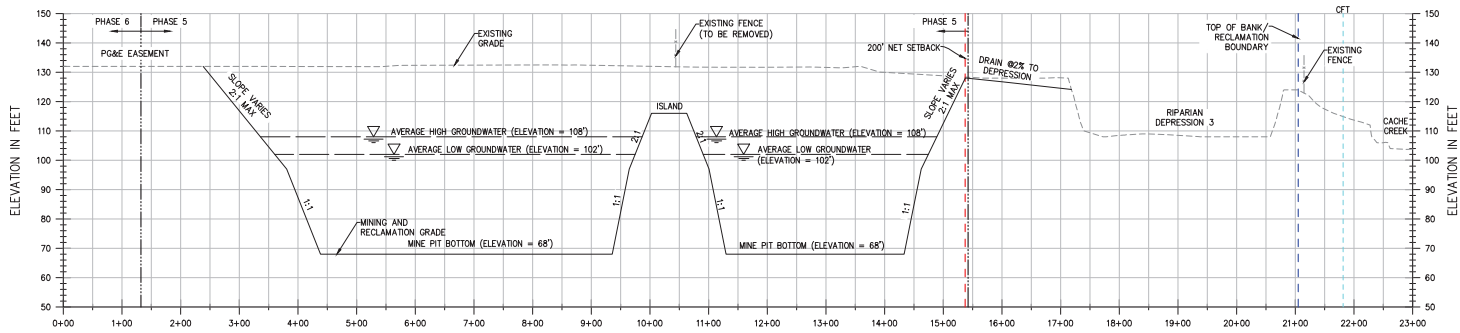
SECTION 12 (PHASE 5)

H: 1"=100'  
V: 1"=20'



SECTION 13 (PHASE 5)

H: 1"=100'  
V: 1"=20'



SECTION 14 (PHASE 5)

H: 1"=100'  
V: 1"=20'

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CHECKED BY: SG  
SCALE  
H: 1"=100'  
V: 1"=20'

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(925) 462-2288  
JIM KILPATRICK  
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(925) 462-2288

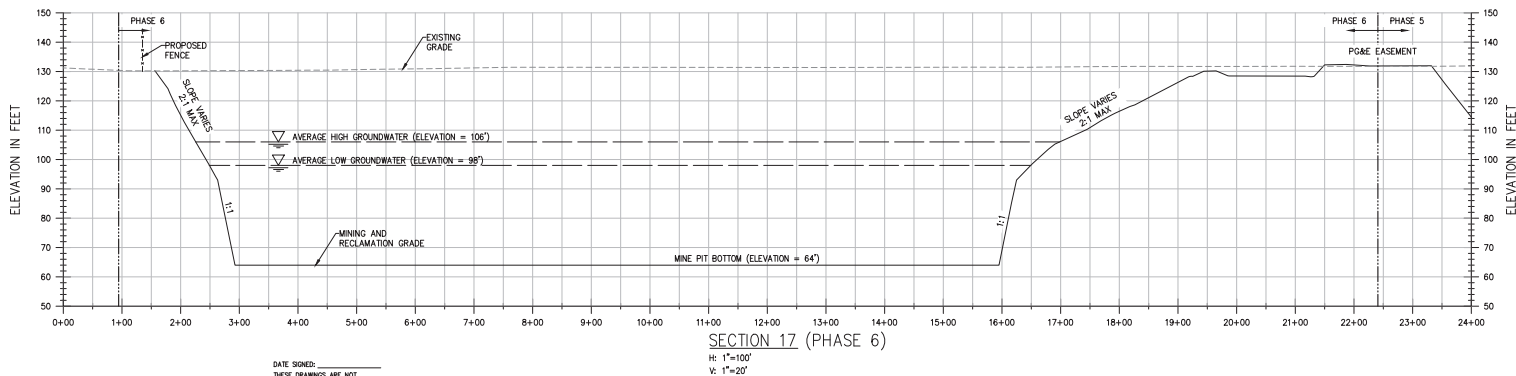
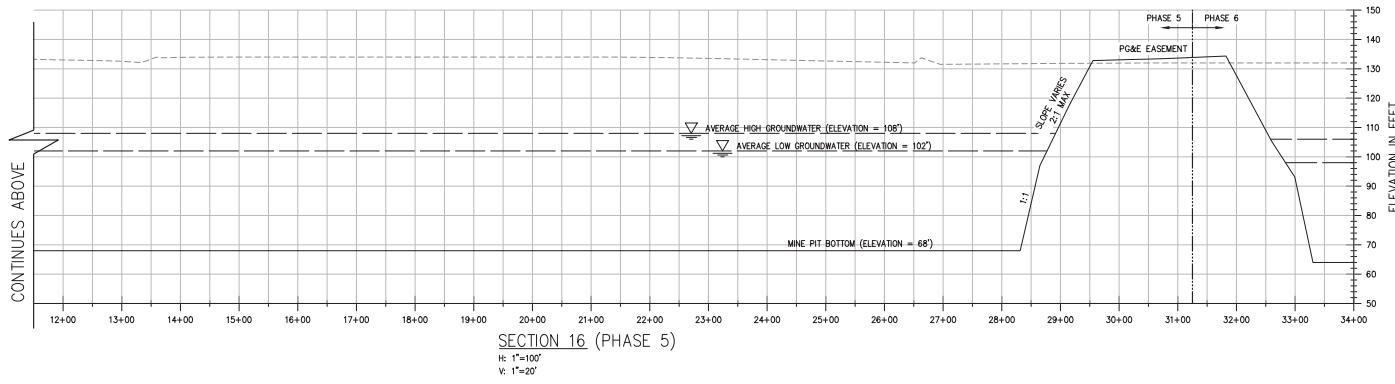
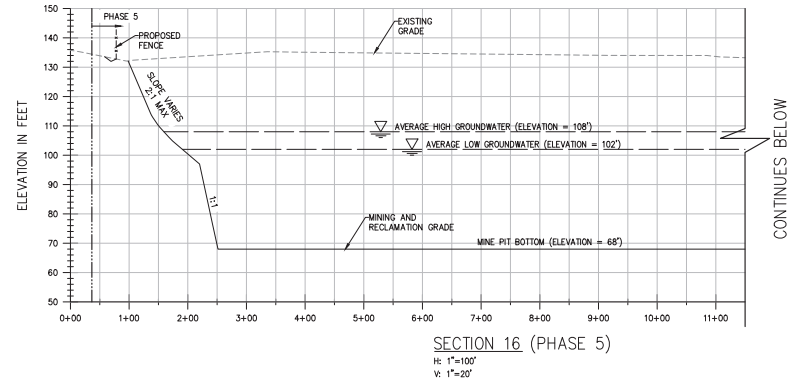
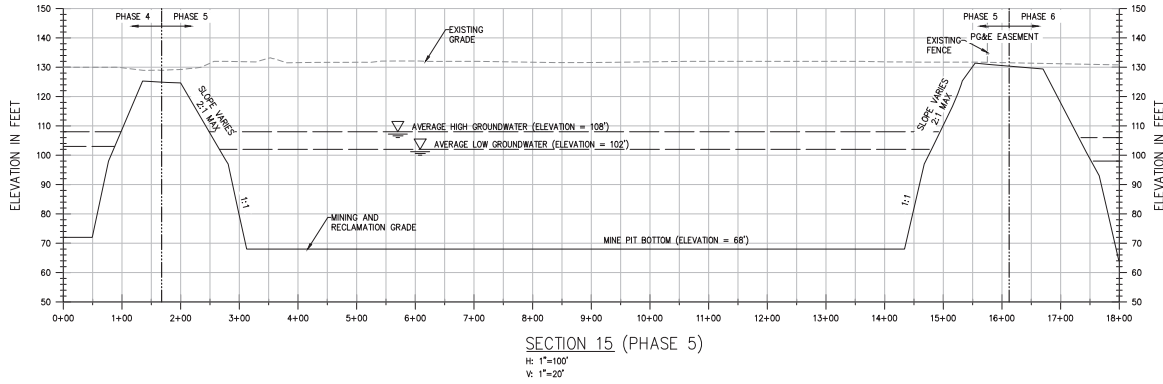
CEMEX CACHE CREEK RECLAMATION PLAN

SECTIONS 12-14

YOLO COUNTY

CALIFORNIA

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**R-11**  
OF  
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■ Tom Kille  
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 (415) 435-2288

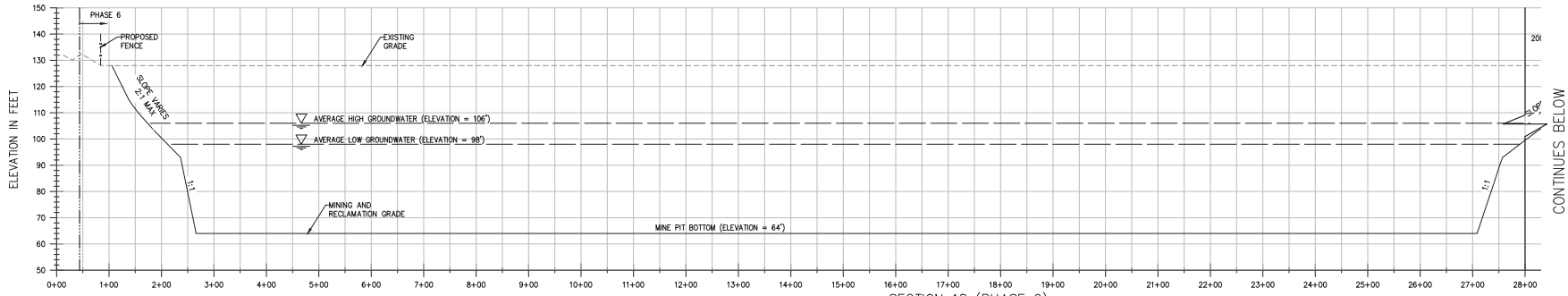
**CEMEX CACHE CREEK RECLAMATION PLAN**

**SECTIONS 15-17**

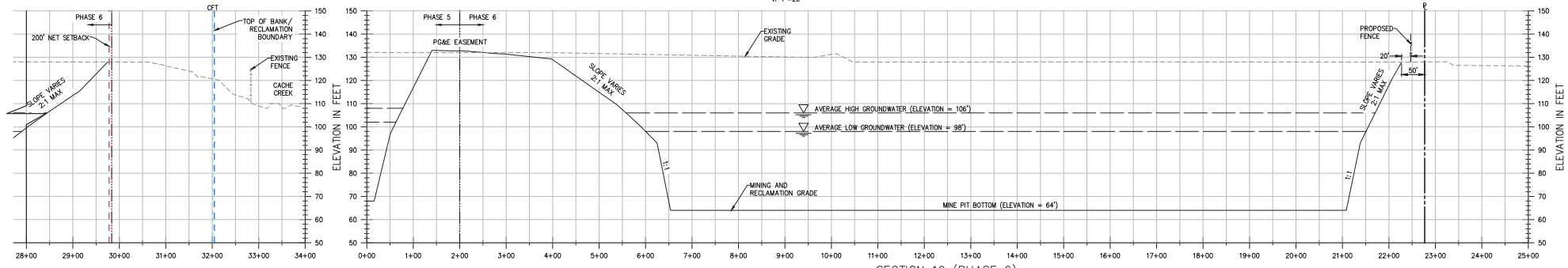
YOLO COUNTY CALIFORNIA

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 JOB NO: 253.80

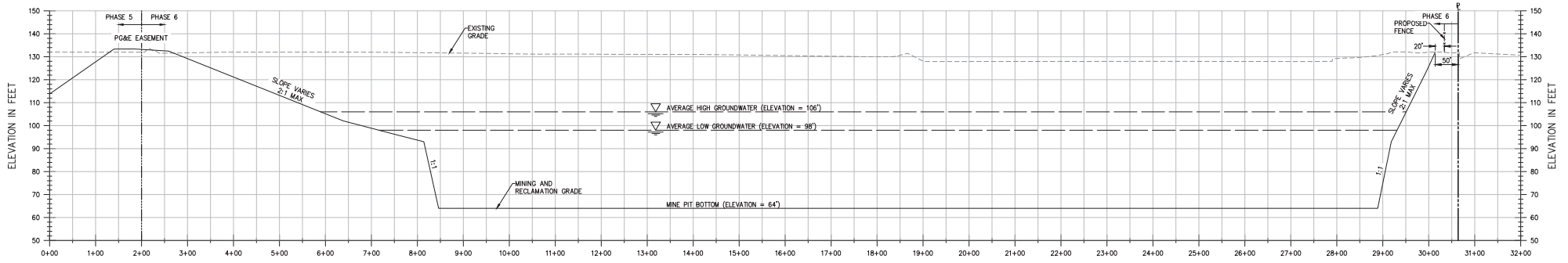
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SECTION 18 (PHASE 6)  
 H: 1"=100'  
 V: 1"=20'



SECTION 19 (PHASE 6)  
 H: 1"=100'  
 V: 1"=20'



SECTION 20 (PHASE 6)  
 H: 1"=100'  
 V: 1"=20'

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**CEMEX CACHE CREEK RECLAMATION PLAN**

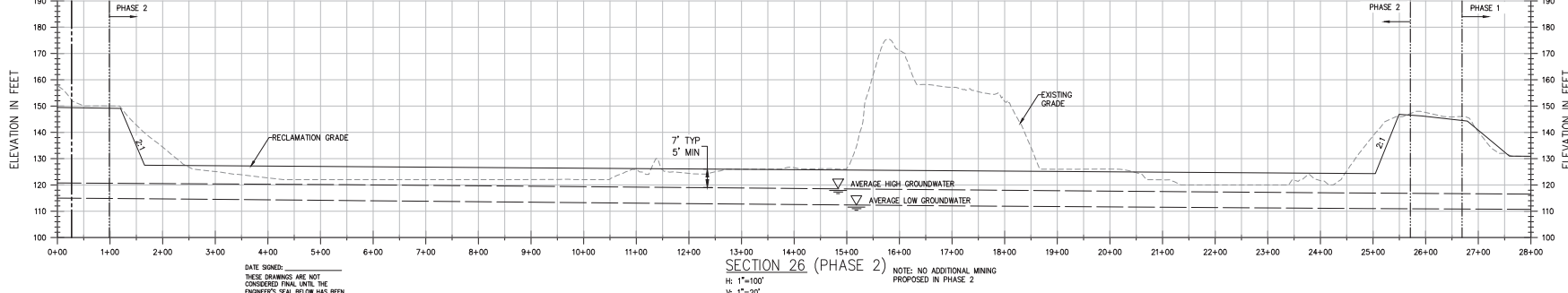
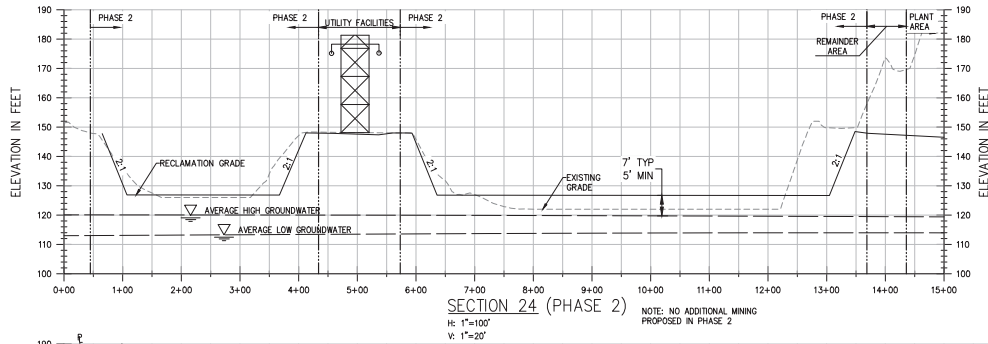
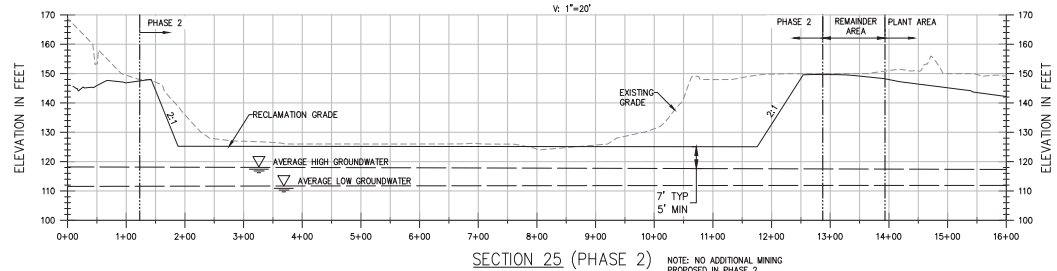
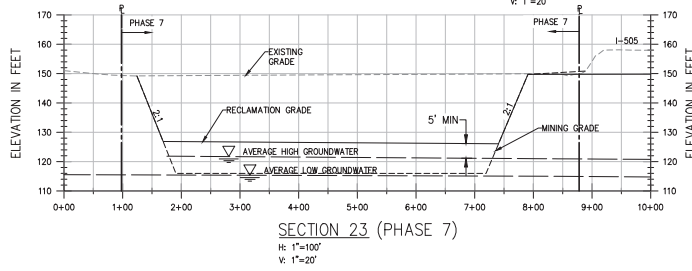
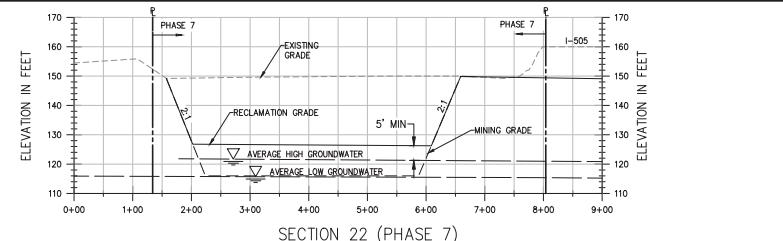
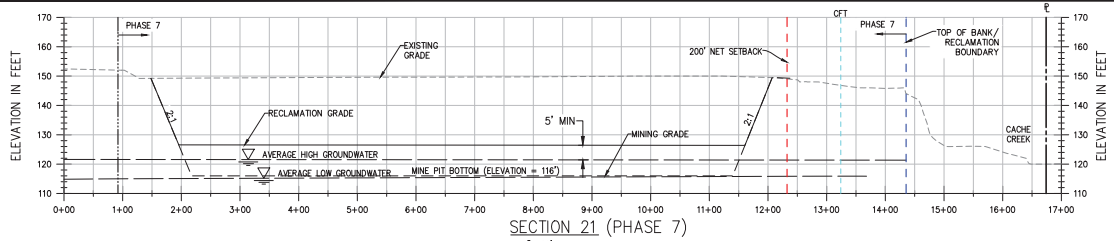
**SECTIONS 18-20**

YOLO COUNTY CALIFORNIA

SHEET  
**R-13**  
 OF  
**15**

DATE: 7/12/2021  
 JOB NO: 253.80

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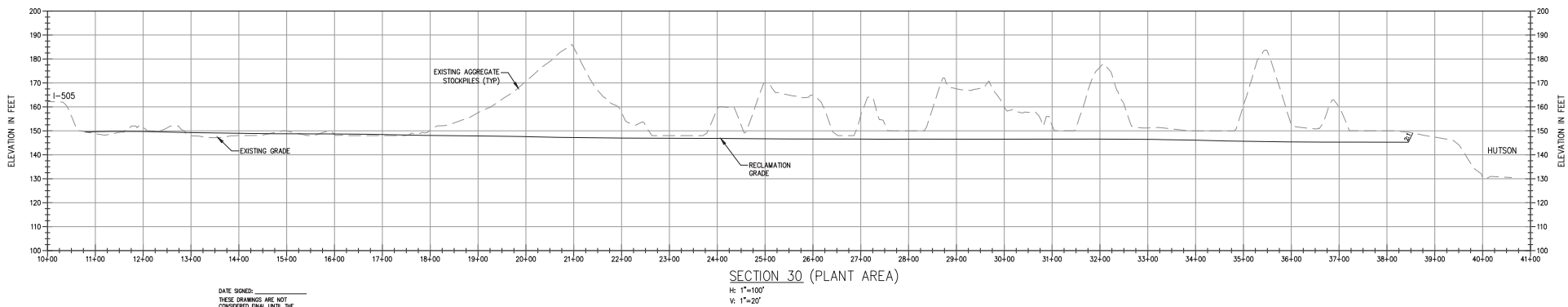
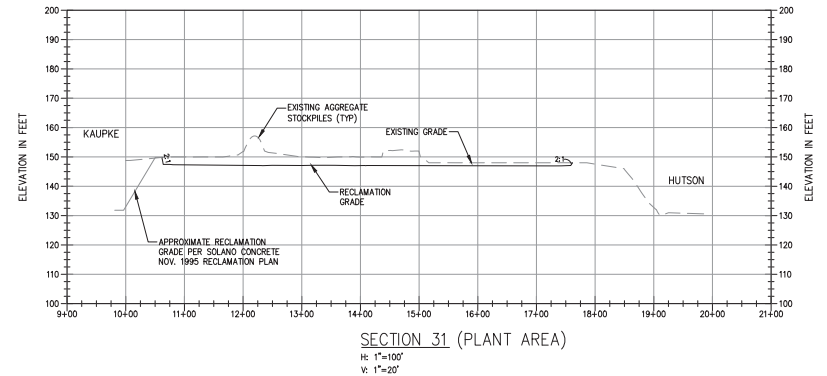
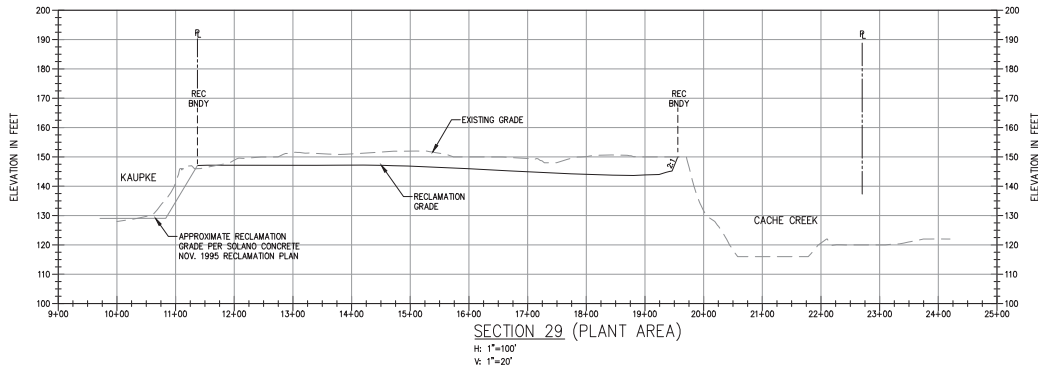
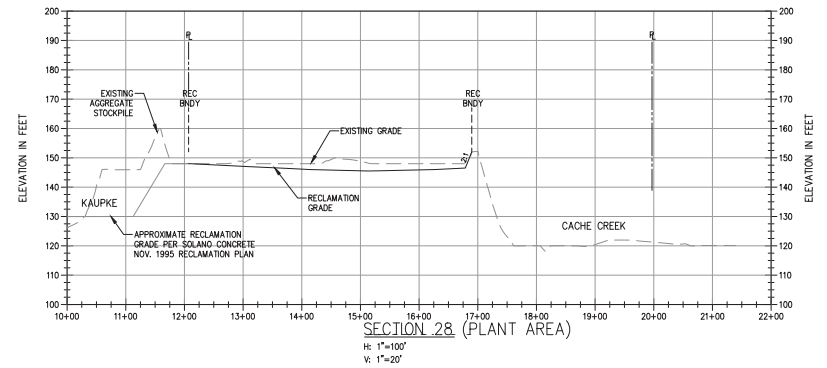
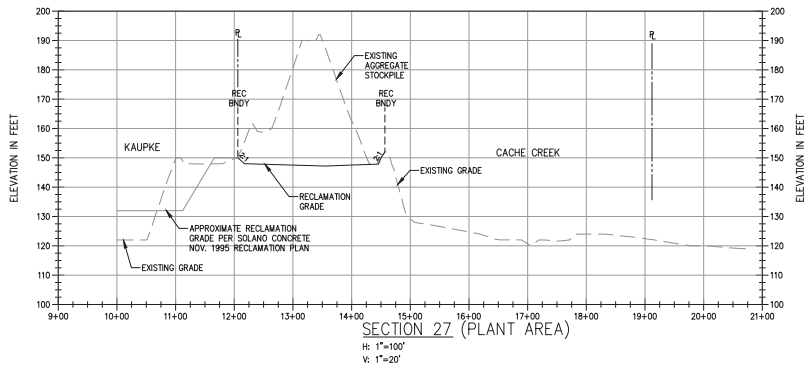
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DRAWN BY	KD					
CHECKED BY	SG					
SCALE						
H: 1"=100'						
V: 1"=20'						



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**CEMEX CACHE CREEK RECLAMATION PLAN**  
**SECTIONS 21-26**  
 YOLO COUNTY CALIFORNIA

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OF	15
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JOB NO:	253.80

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**CEMEX CACHE CREEK RECLAMATION PLAN**

**SECTIONS 27-31**

YOLO COUNTY CALIFORNIA

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 OF  
**15**

DATE: 7/12/2021

JOB NO: 253.80

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