## **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 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, 049-060-004, 049-060-007 049-070-020, 049-070-021, 049-070-004, 049-070-005, 049-070-006, 049-070-009, 049-070-010, 049-070-011, 049-070-019

## **PROPERTY AREA:**

### 1902± ACRES

### **PROPERTY OWNER:**

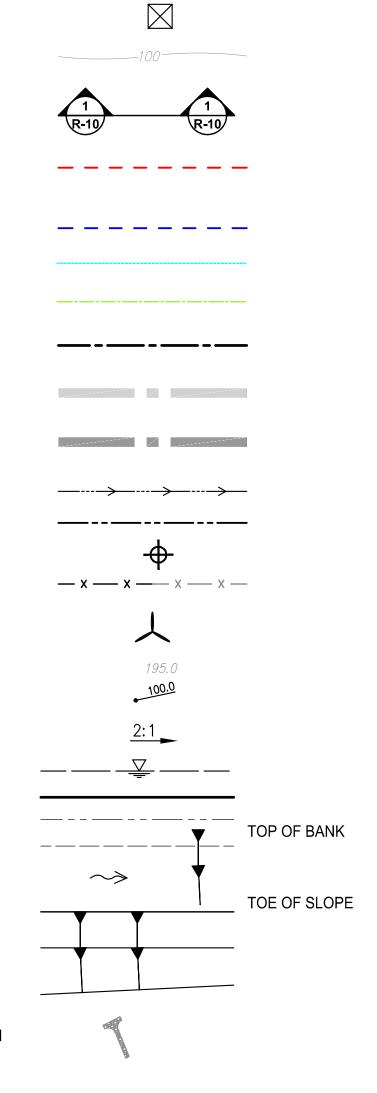
CEMEX CONSTRUCTION MATERIALS PACIFIC, LLC. 2365 IRON POINT ROAD, SUITE 120 FOLSOM, CA 95630

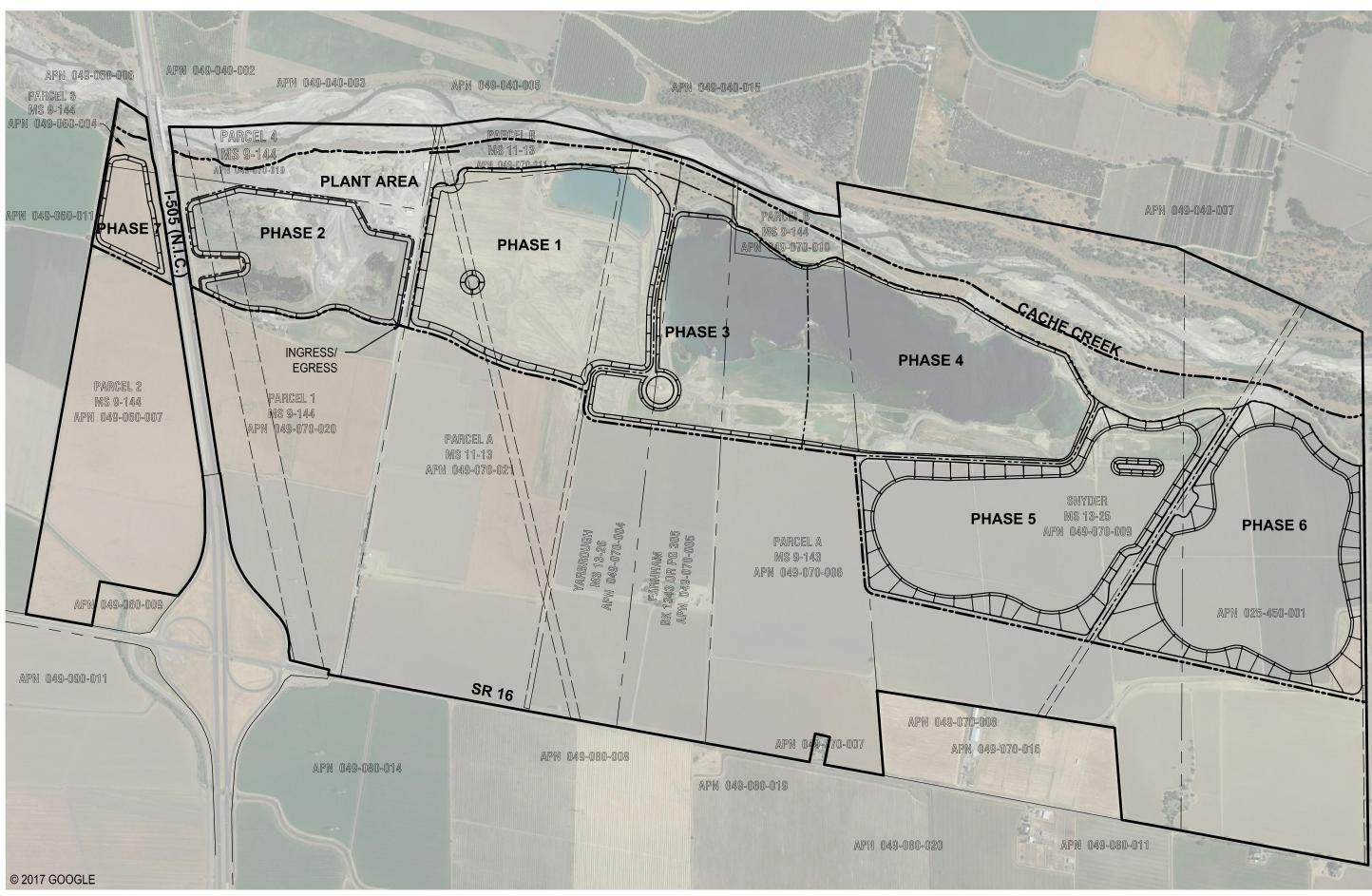
### **APPLICANT:**

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

### **CIVIL ENGINEER:**

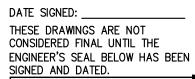
CUNNINGHAM ENGINEERING 2940 SPAFFORD STREET, SUITE 200 DAVIS, CALIFORNIA 95618 (530) 758-2026





## **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.



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# **OFF-CHANNEL RECLAMATION PLAN** FOR **CEMEX CACHE CREEK**

**YOLO COUNTY, CALIFORNIA MARCH 2020** 

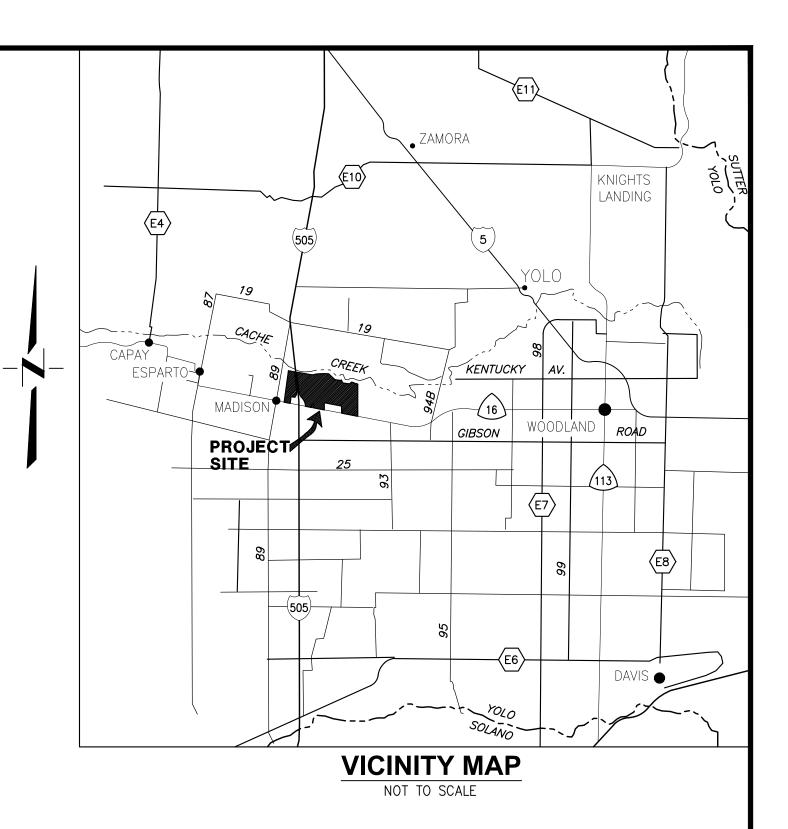
> **KEY MAP** 1"=1000'

### **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

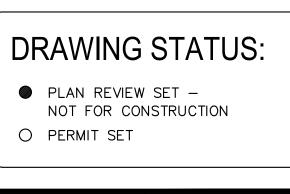




### SHEET INDEX

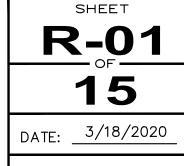
R-01 R-02	TITLE SHEET NOTES AND DETAILS
R-03	OVERALL RECLAMATION PLAN
R-04	PHASE 1 AND PHASE 3
R-05	PHASE 4
R-06	PHASES 5 AND 6
R-07	PHASES 2 AND 7
R-08	SECTIONS 1-4
R-09	SECTIONS 5-8
R-10	SECTIONS 9-11
R-11	SECTIONS 12-14
R-12	SECTIONS 15-17
R-13	SECTIONS 18-20
R-14	SECTIONS 21-26
R-15	SECTIONS 27-30

NOTE: MINING PLAN UNDER SEPARATE COVER



## **CEMEX CACHE CREEK RECLAMATION PLAN**

TITLE SHEET



## YOLO COUNTY

### **GENERAL NOTES:**

- 1. 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 2. TOWILL 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 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 - 3 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.
- 4. 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 EACH TYPE OF RECLAMATION. SURFACE ELEVATIONS AND CONTOURS SHOWN 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 & SCALMANINI CONSULTING ENGINEERS DATED NOVEMBER 30, 2016 AND "ESTIMATION OF AVERAGE LOW GROUNDWATER LEVELS CEMEX MADISON PLANT, YOLO COUNTY", BY LUHDORFF & SCALMANINI CONSULTING ENGINEERS DATED APRIL 26, 2017.
- IF HUMAN SKELETAL REMAINS ARE ENCOUNTERED DURING EXCAVATION, ALL WORK WITHIN 6 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.

### **ABBREVIATIONS:**

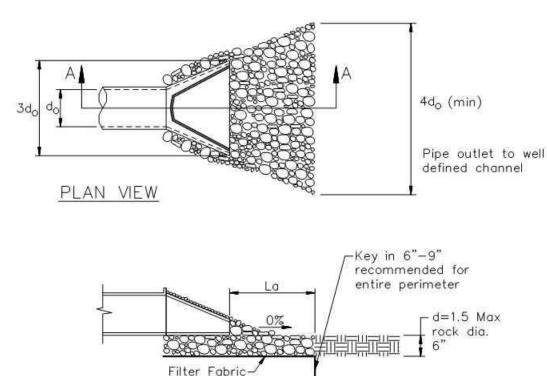
ALG APN CFT D E L MS MSHA N N.I.C. OHE PL R S TYP W	AVERAGE HIGH GROUNDWATER AVERAGE LOW GROUNDWATER ASSESSOR'S PARCEL NUMBER CHANNEL FORM TEMPLATE DELTA EAST LENGTH MAPS AND SURVEYS MINE SAFETY AND HEALTH ADMINISTRATION NORTH NOT IN CONTRACT OVERHEAD ELECTRIC PROPERTY LINE RADIUS SOUTH TYPICAL WEST ZONE FILE
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DATE SIGNED: \_\_\_\_\_ THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN

SIGNED AND DATED.

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## Velocity Dissipation Devices



SECTION A-A

Pipe Diameter inches	Discharge ft³/s	Apron Length, La ft	Rip Rap D <sub>50</sub> Dia Min inches
10	5	10	-4
12	10	13	6
	10	10	6
- 9	20	16	8
18	30	23	12
	40	26	16
	30	16	8
24	40	26	8
-24	50	26	12
	60	30	16

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

January 2011

California Stormwater BMP Handbook Construction www.casqa.org



CECWEST.COM

Project Planning Civil Engineering Landscape Architecture

Sacramento Office 2120 20th Street, Suite Three Sacramento, CA 95818 (916) 455-2026

Davis Office 2940 Spafford Street, Suite 200 Davis, CA 95618 (530) 758-2026

## EC-10



5 of 5

SHEET

**R-02** 

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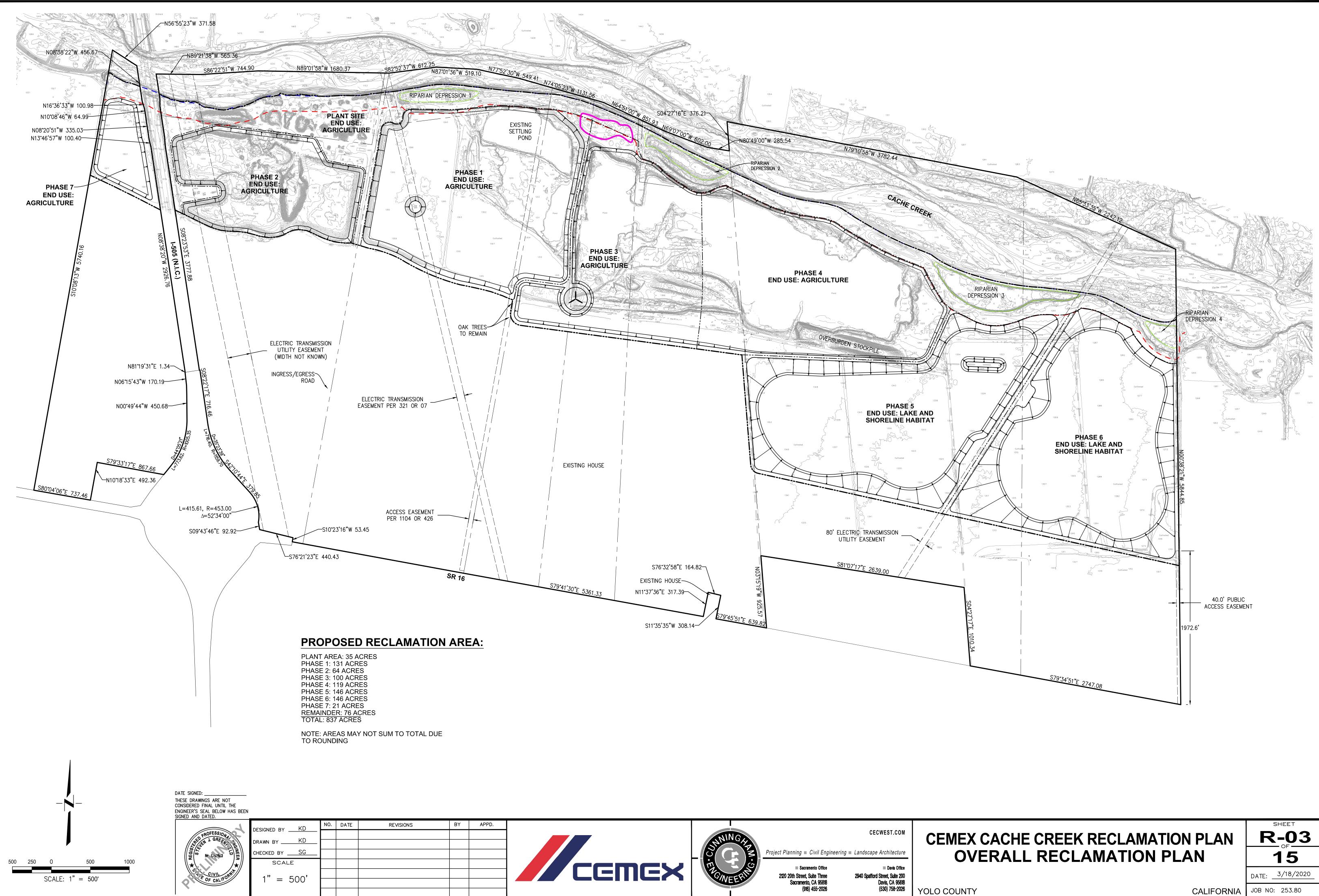
DATE: <u>3/18/2020</u>

- PLAN REVIEW SET NOT FOR CONSTRUCTION
- O PERMIT SET

## **CEMEX CACHE CREEK RECLAMATION PLAN**

## **NOTES AND DETAILS**

YOLO COUNTY



YOLO COUNTY

## 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

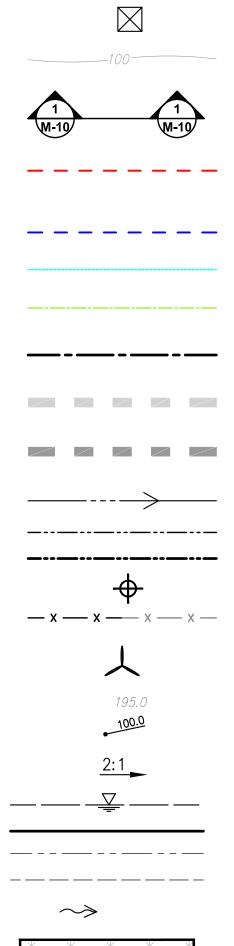
PROPOSED DIRT ROAD

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

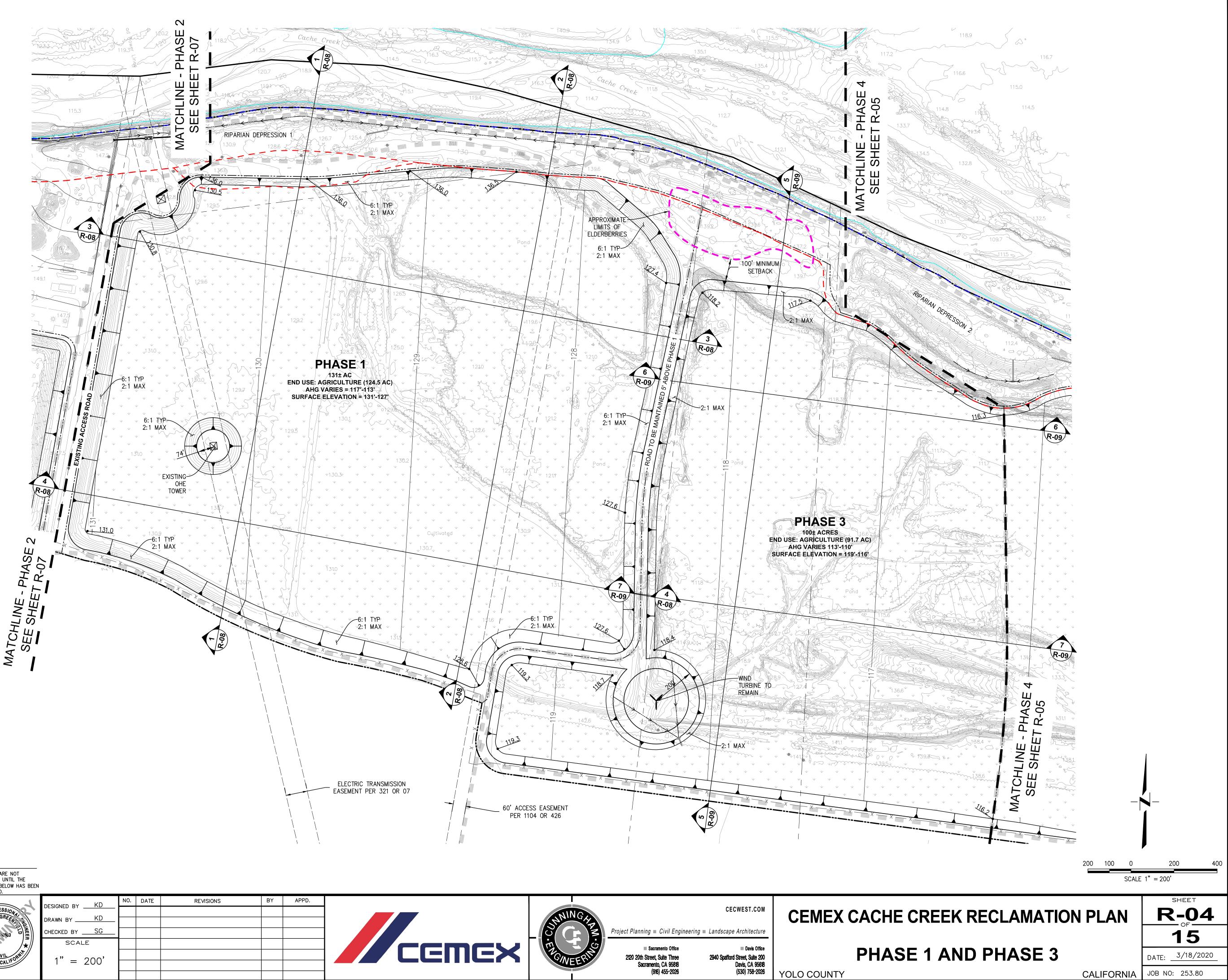


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AGRICULTURE

### NOTES:

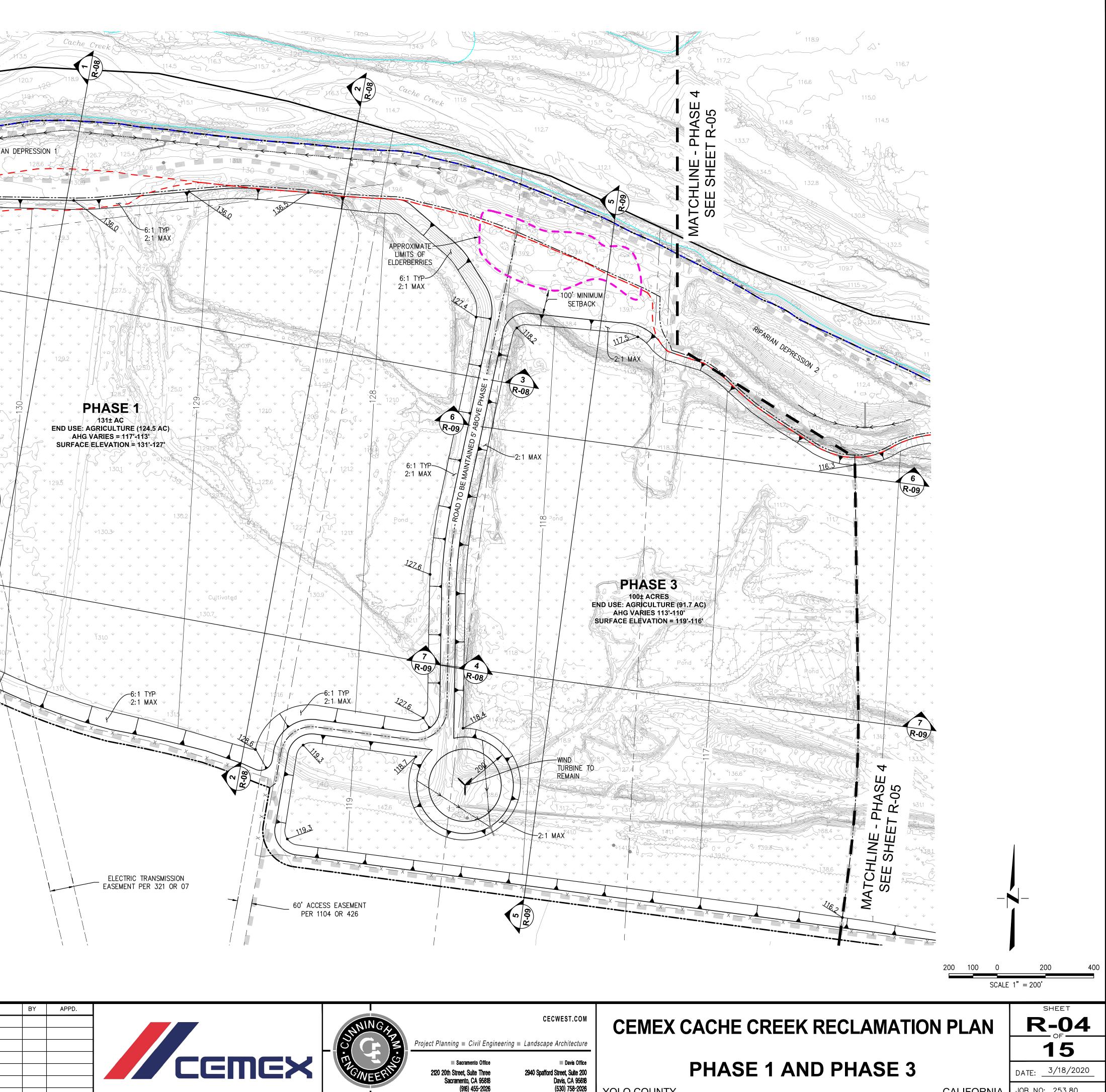
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- 2. SEE SEPARATE HABITAT RESTORATION PLAN AND ASSOCIATED FIGURES PREPARED BY ZETNER PLANNING & ECOLOGY DATED FEBRUARY 2018 FOR DETAILED END USE INFORMATION.
- 3. SLOPES SHALL BE CONSISTENT WITH THE RECOMMENDATIONS PROVIDED BY GEOCON ENGINEERING AND 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.

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YOLO COUNTY

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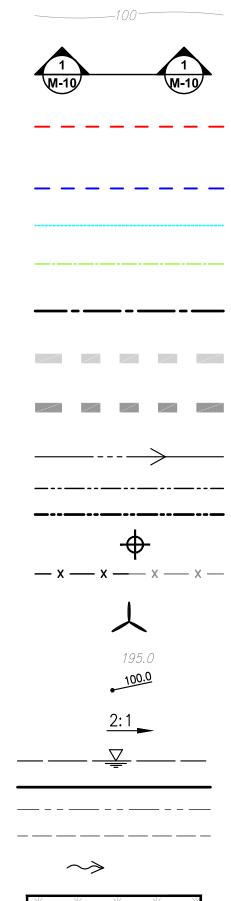
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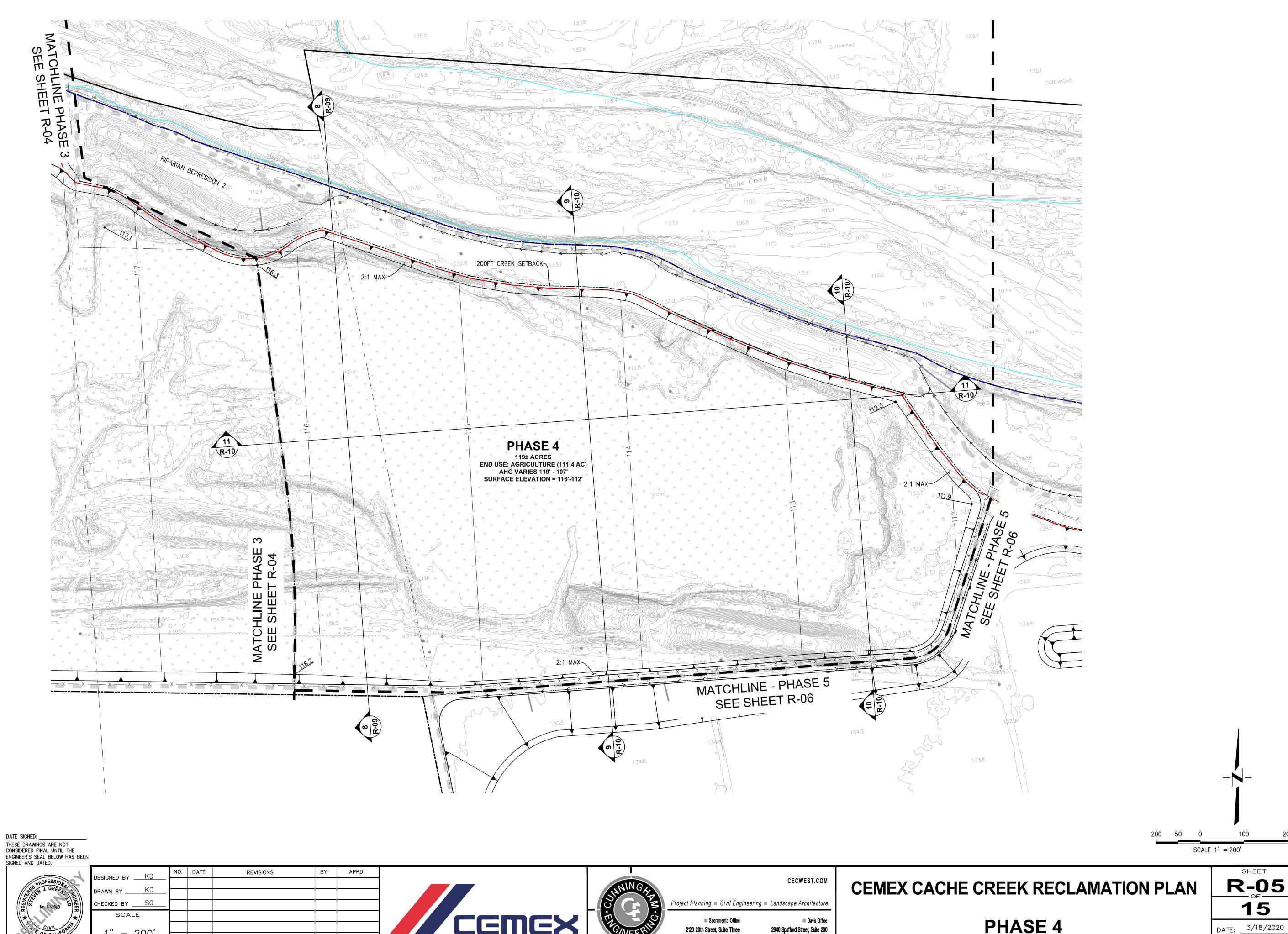
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## <u>NOTES:</u>

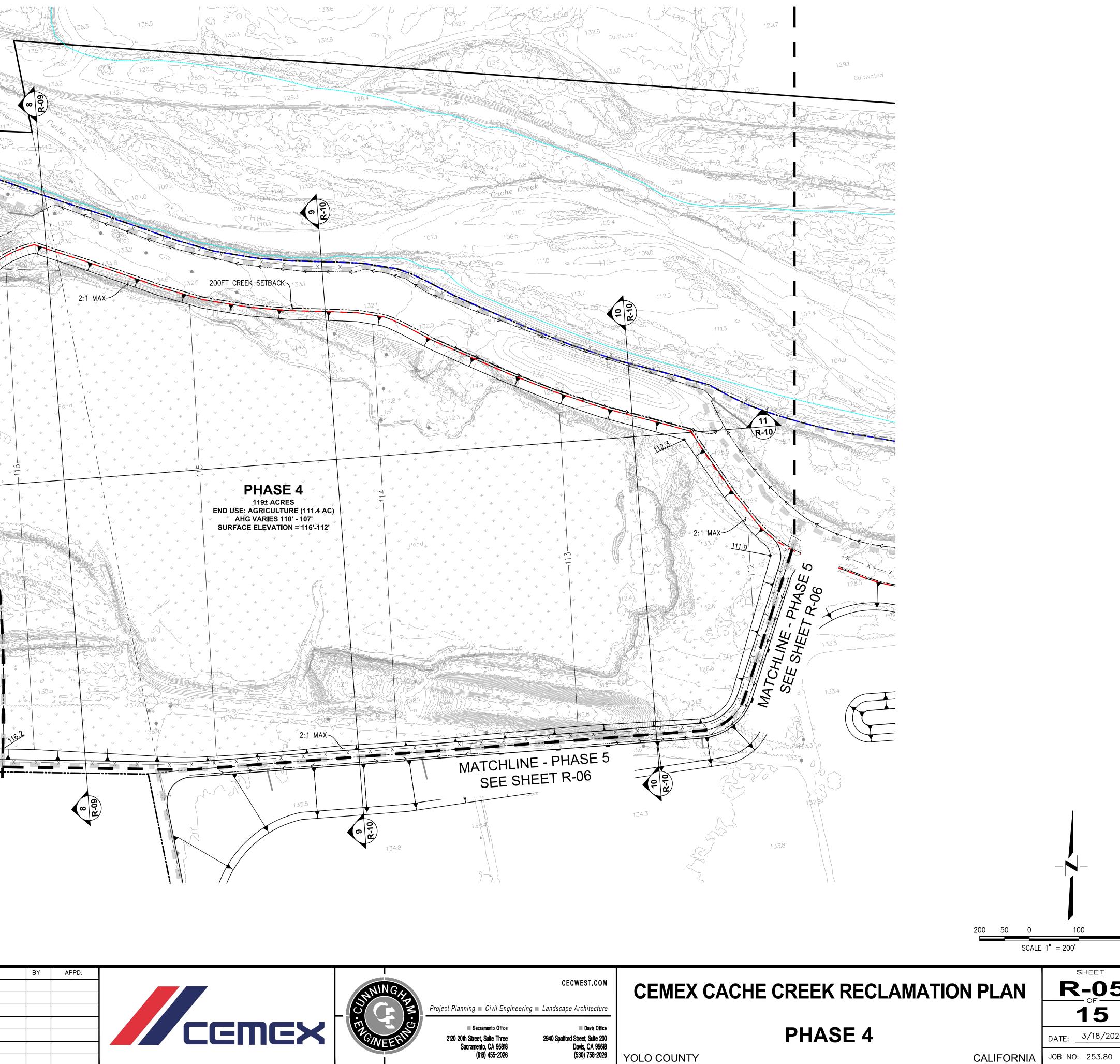
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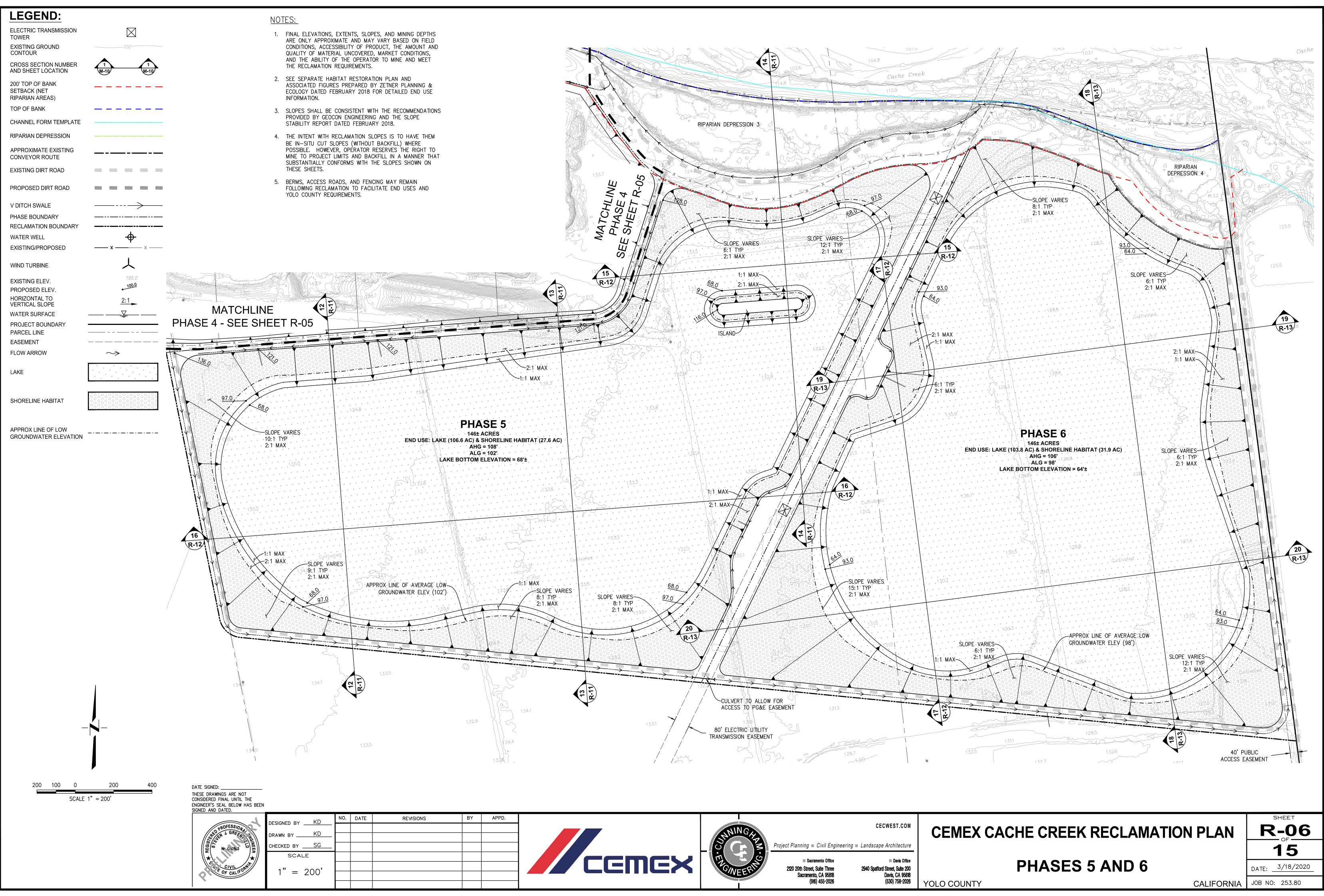


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designed by <u>KD</u>	NO.	DATE	REVISIONS
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## LEGEND:

ELECTRIC TRANSMISSION TOWER EXISTING GROUND CONTOUR

CROSS SECTION NUMBER AND SHEET LOCATION

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### <u>NOTES:</u>

- 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.
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200FT CREEK SETBACK

22 R-14

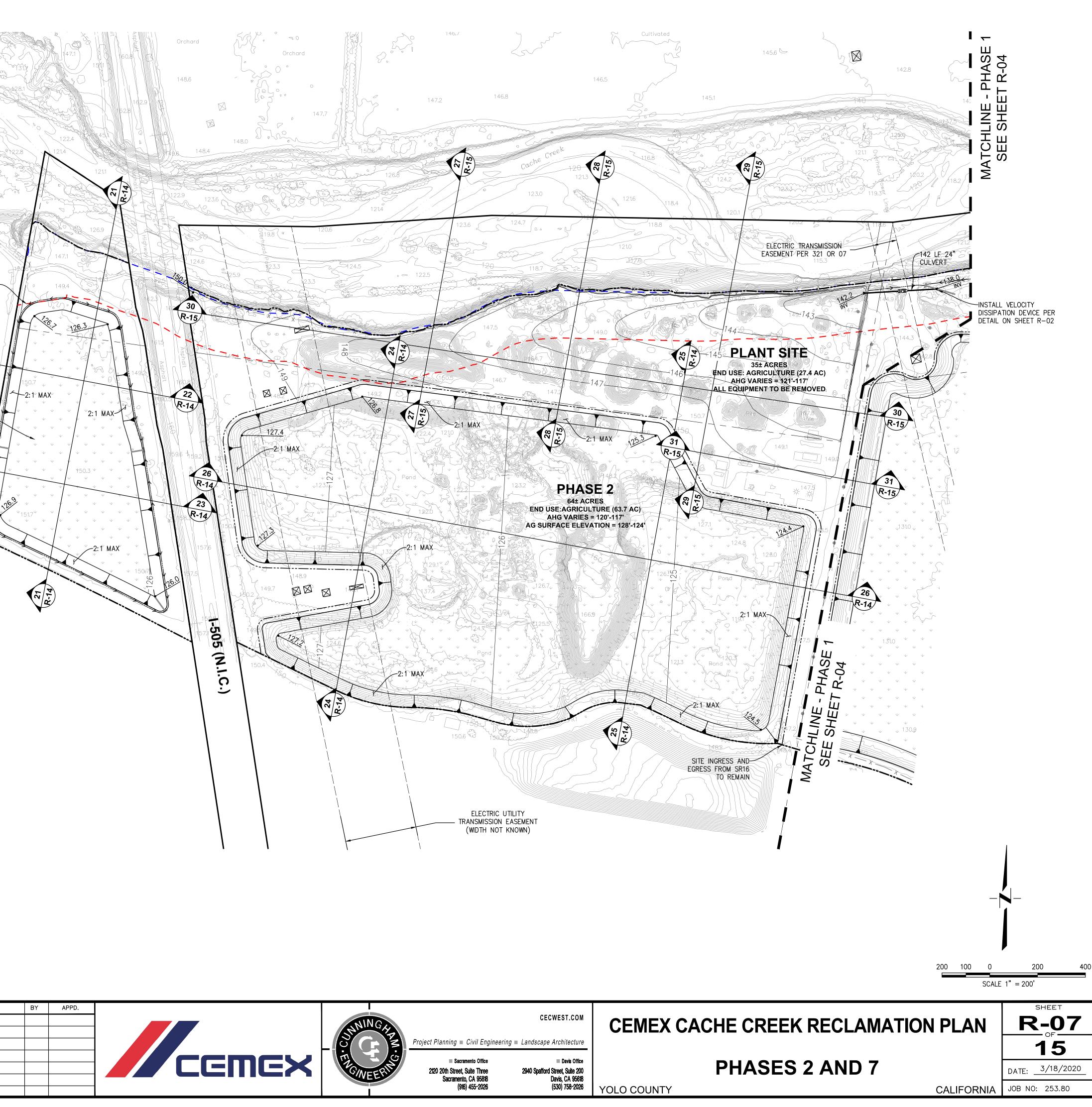
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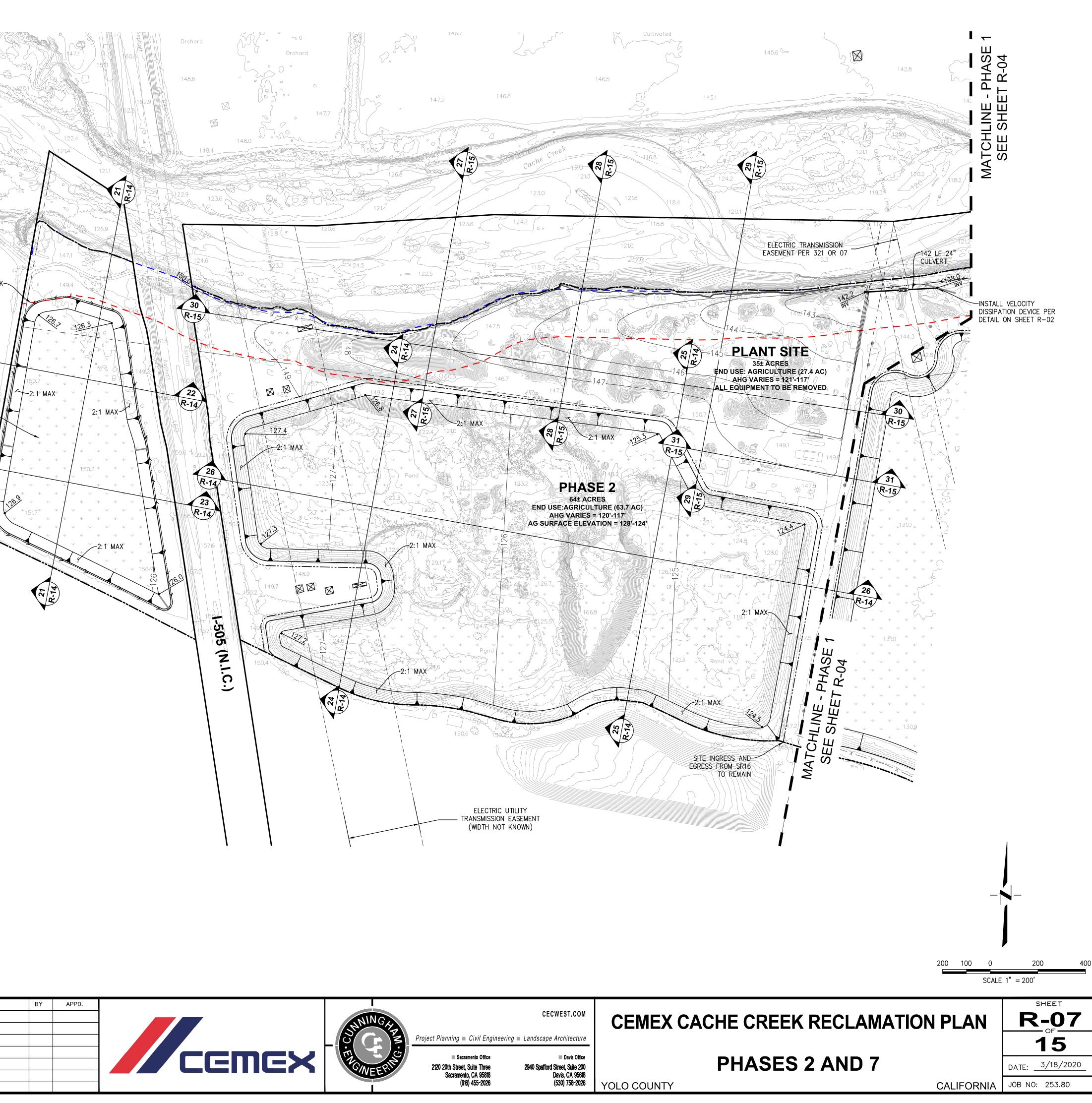
PHASE 7

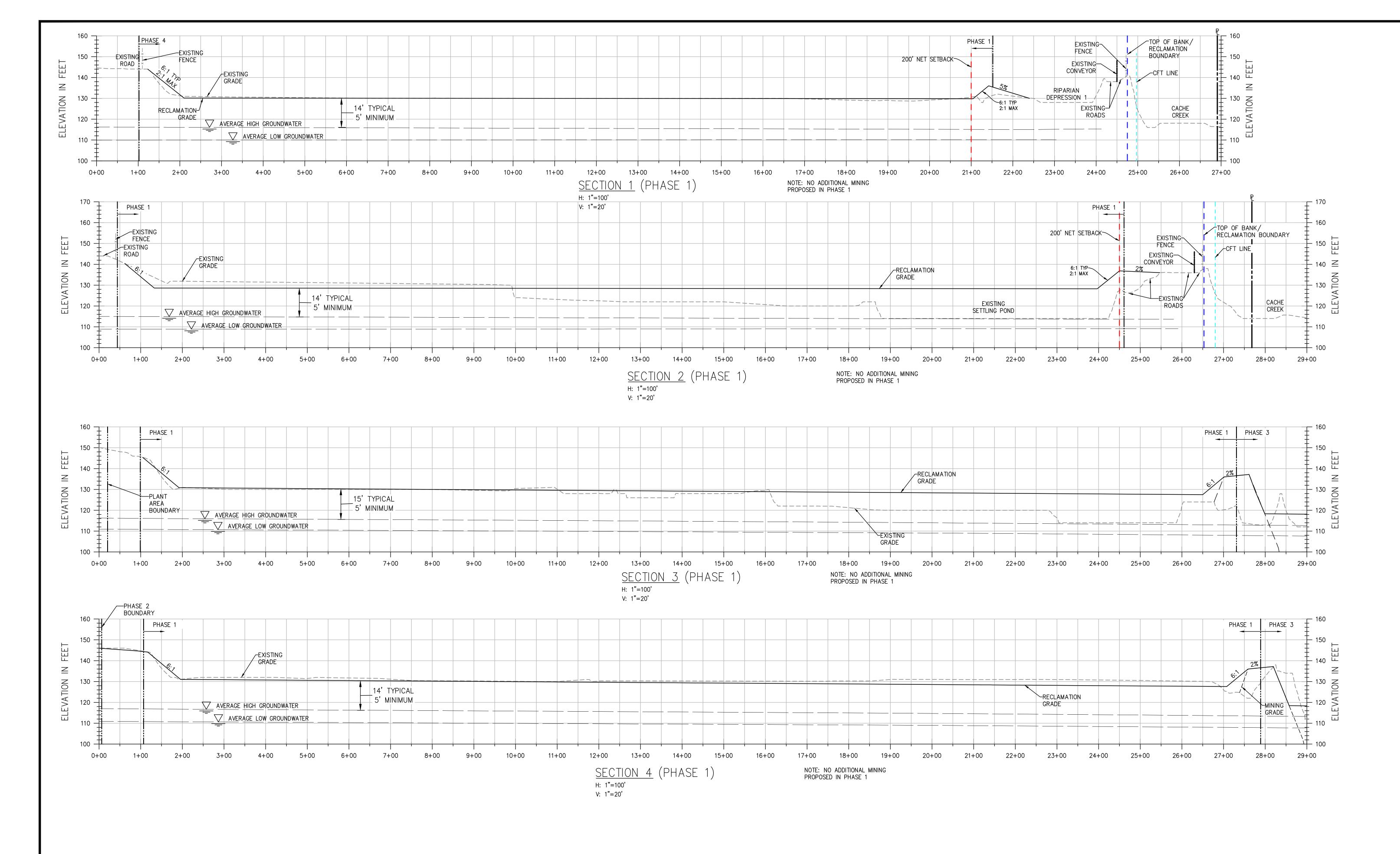
21± ACRES END USE: AGRICULTURE (19.9 AC) AHG = 121'-120' AG SURFACE ELEVATION = 127'-126'

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

	designed by <u>KD</u>	NO.	DATE	REVISIONS
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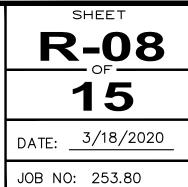


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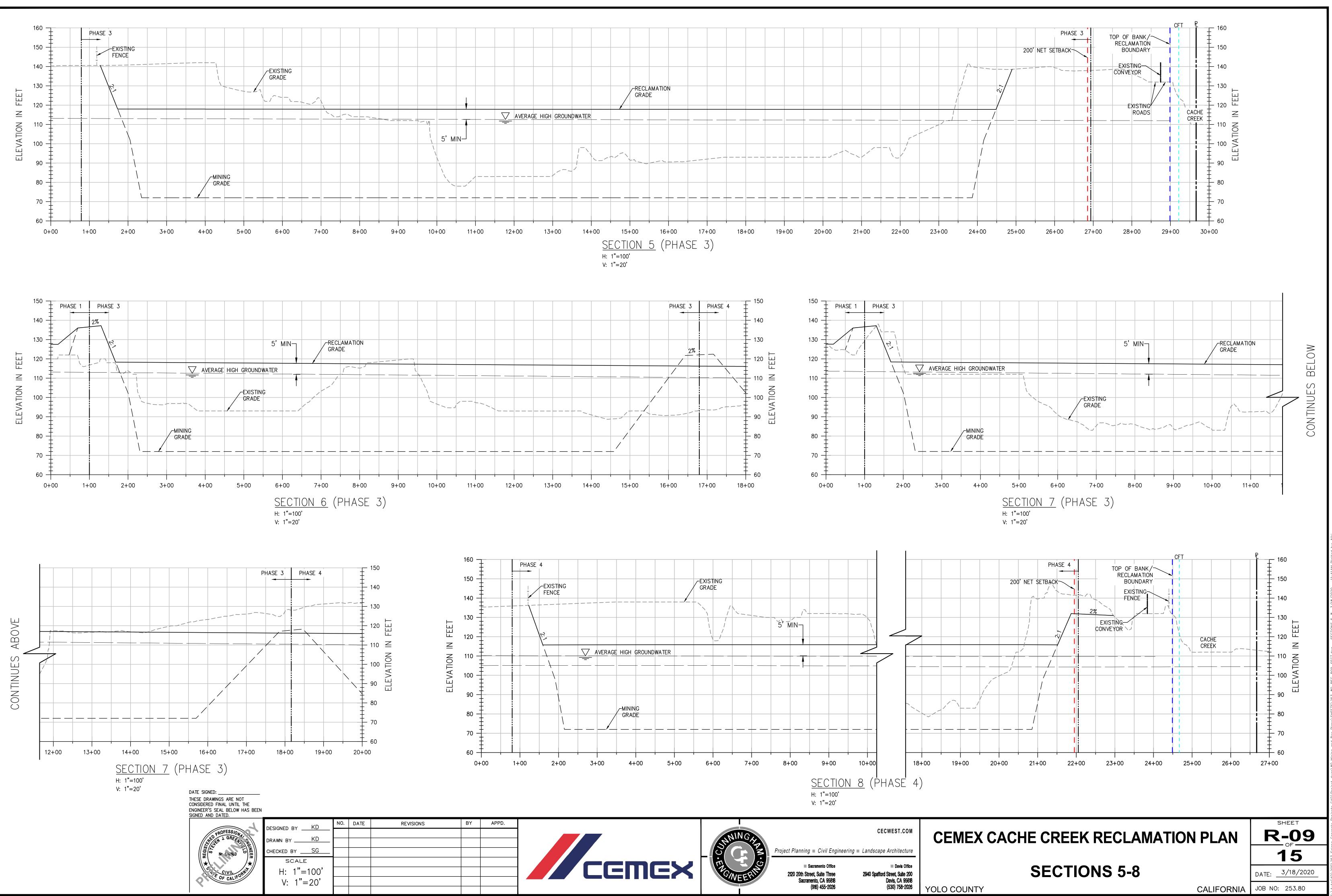
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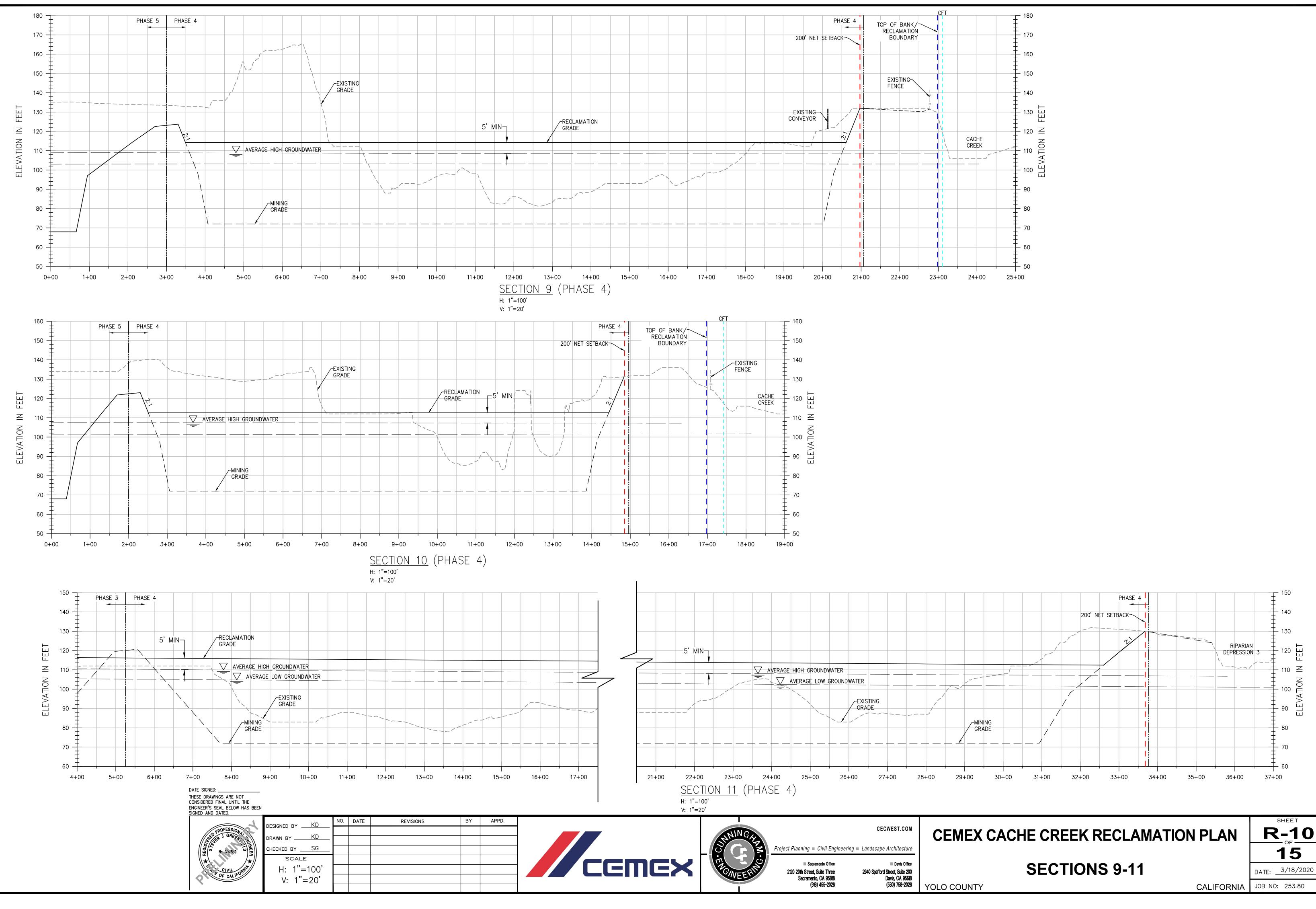


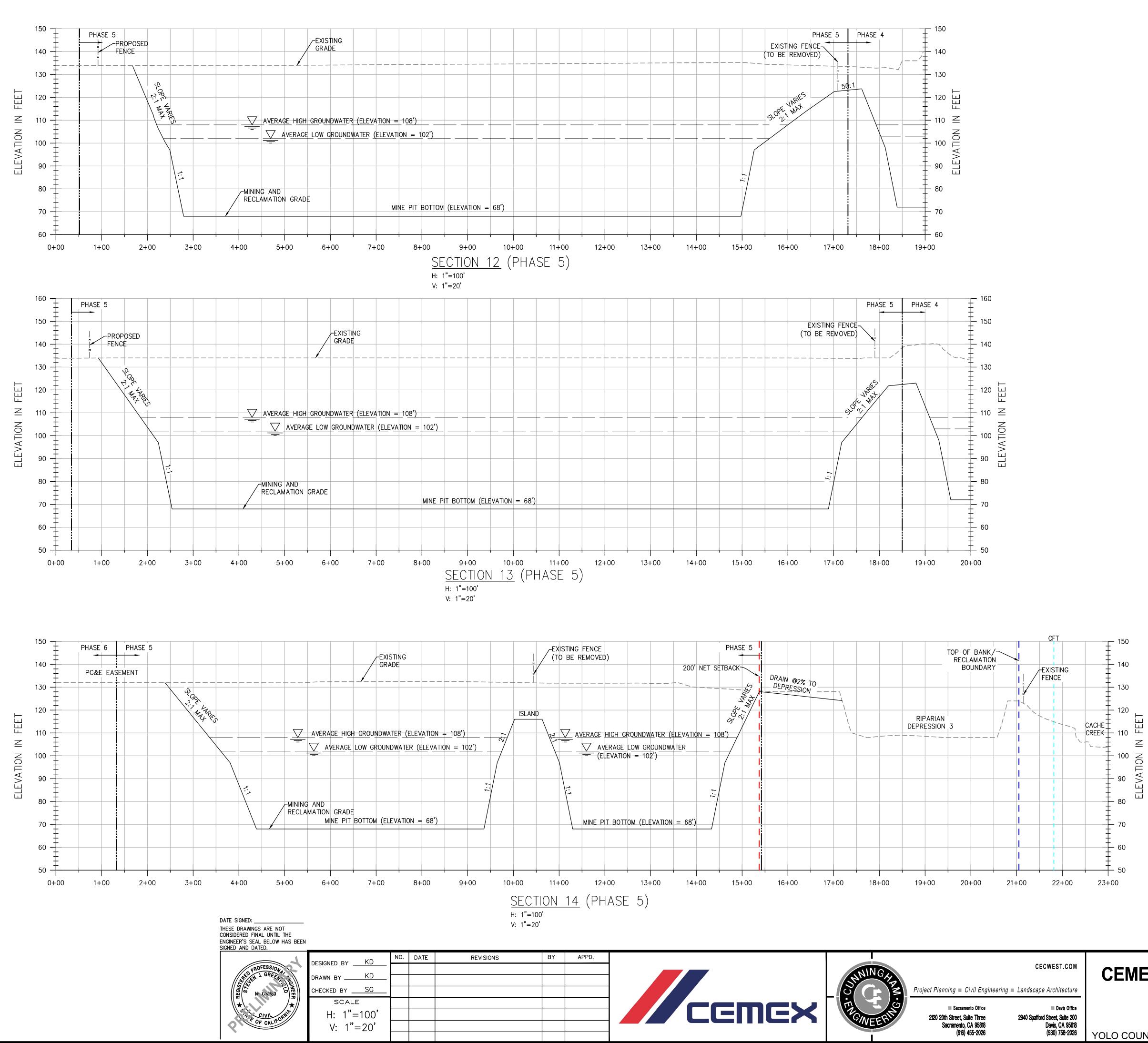
**CEMEX CACHE CREEK RECLAMATION PLAN** 



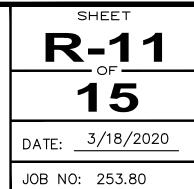
## **SECTIONS 1-4**







# **CEMEX CACHE CREEK RECLAMATION PLAN**



## **SECTIONS 12-14**

