GRANITE CONSTRUCTION COMPANY

COALINGA MINE EXPANSION PROJECT

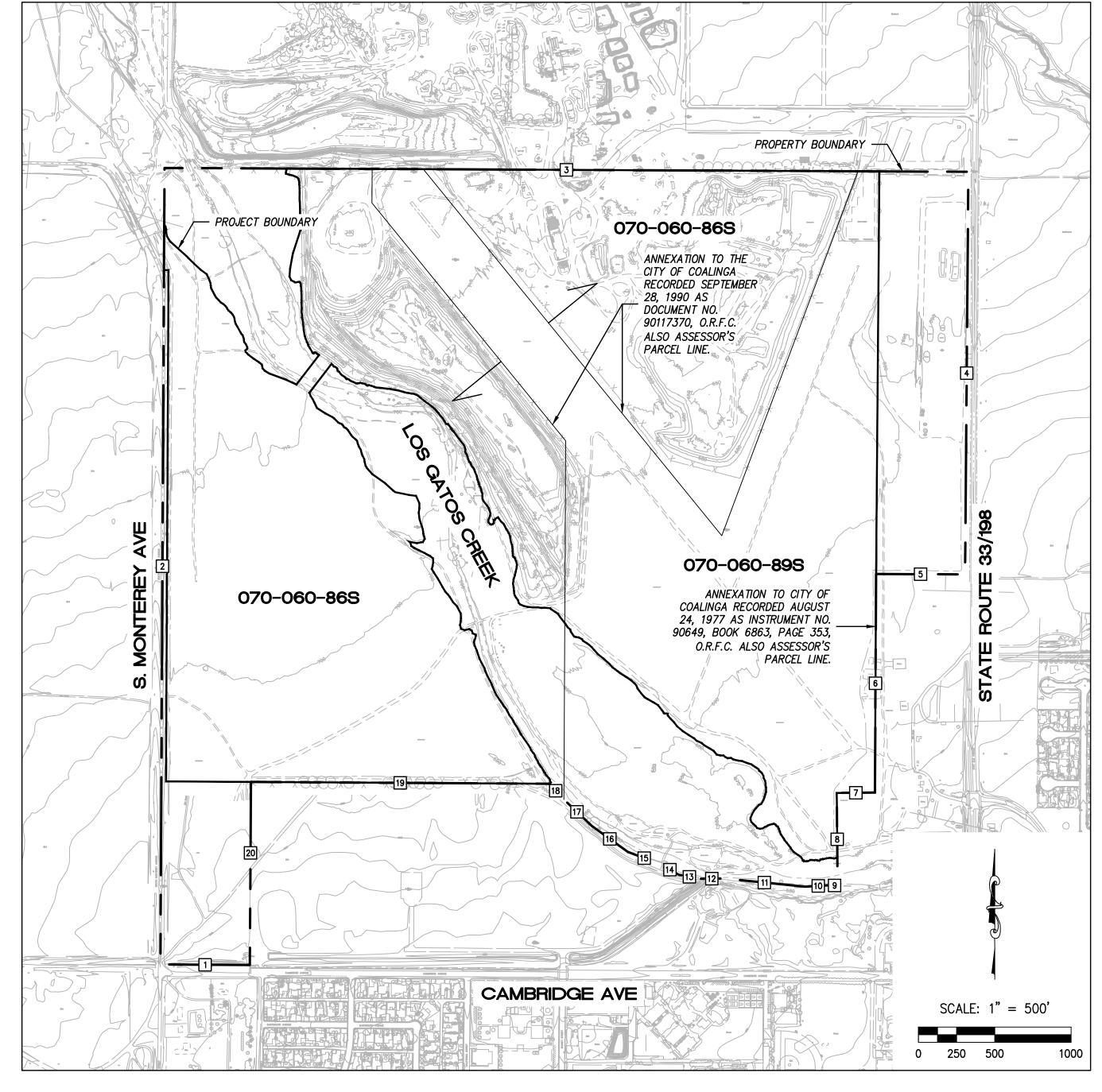
COUNTY OF FRESNO CITY OF COALINGA

	PROPERTY	LINE ME	TES AND	BOUNDS
NO.	DELTA OR BRG.	RADIUS(ft)	LENGTH(ft)	REMARKS
1	N89°32'31"E		585.65	*
2	NO0*31'17"W		5269.47	*
3	N89°27'27"E		5274.10	*
4	S00°20'54"E		2638.50	*
5	S89°29'54"W		583.02	*
6	N0017'29"E		1432.57	**
7	N89°28'43"E		250.07	**
8	N00°31'22"W		608.23	**
9	N83°58'01"W		39.97	**
10	N85°42'59"E		174.62	*
11	S85°00'22"E		534.12	*
12	N8815'38"E		157.61	*
13	S80°00'13"E		138.64	*
14	S60°49'46"E		137.20	*
15	S70°04'16"E		231.95	*
16	S54*57'25"E		289.01	*
17	S47*25'00"E		270.31	*
18	S42*42'33"E		118.28	*
19	N89°32'21"E		1955.92	*
20	N00°27'16"W		1200.00	*

- METES AND BOUNDS ARE PER FEBRUARY 2007 ALTA/ACSM LAND TITLE SURVEY BY MCPHEETERS AND ASSOCIATES, INC. PROJECT BOUNDARY SHOWN ON THESE PLANS IS APPROXIMATED FROM ALTA SURVEY.
- ** METES AND BOUNDS ESTIMATED FROM CAD FILE



VICINITY MAP NOT TO SCALE



SITE OVERVIEW MAP SCALE: 1" = 500'

OWNER/OPERATOR/APPLICANT

GRANITE CONSTRUCTION COMPANY ATTN: CANDICE LONGNECKER 2716 GRANITE COURT FRESNO, CA 93706 PHONE: 559-441-5700

ENGINEER CHANG CONSULTANTS

WAYNE CHANG, PE P.O. BOX 9496 RANCHO SANTA FE, CA 92067-4496 MOBILE: 858-692-0760 858-832-1402

TOPOGRAPHY SOURCE

PREPARED BY: VERTICAL MAPPING RESOURCES, INC. 193 BLUE RAVINE ROAD, SUITE 150 FOLSOM, CA 95630 PHONE: 916-817-1486 FAX: 916-817-1487

PHOTO DATE: SEPTEMBER 30, 2014

ASSESSOR'S PARCEL NUMBERS

APN 07006086s (FRESNO COUNTY) AND APN 07006089s (CITY OF COALINGA)

LEGAL DESCRIPTION

A PORTION OF SECTION 29, TOWNSHIP 20 SOUTH, RANGE 15 EAST, MOUNT DIABLO BASE AND MERDIAN, ACCORDING TO THE OFFICIAL PLAT THEREOF;

- 1. PROJECT BOUNDARY INCLUDES THE MINING AREA, SETBACK AREAS, NOISE CONTROL BERMS, AND PERIMETER ACCESS ROADS.
- 2. THE LOS GATOS CREEK 100-YEAR FLOODPLAIN SHOWN ON THESE PLANS WAS OBTAINED FROM THE ANALYSIS IN CHANG CONSULTANTS JULY 16, 2015 REPORT, "HYDROLOGIC AND HYDRAULIC ANALYSES FOR GRANITE CONSTRUCTION COMPANY'S COALINGA MINE EXPANSION PROJECT." MINING SETBACKS FROM EXISTING FLOODPLAIN WERE BASED ON HYDRAULIC RESULTS AND VARY (50 FEET MINIMUM FROM NEW EXCAVATION AREAS).
- 3. THE PROJECT AND PROPERTY BOUNDARIES COINCIDE ALONG METES AND BOUNDS ITEMS 6, 7, AND 19 AS WELL AS A PORTION OF ITEMS 2, 3, AND 8.
- 4. FINAL MINING FOOTPRINT, SLOPES AND DEPTH MAY VARY DEPENDING ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCT, MARKET CONDITIONS, ABILITY OF OPERATOR TO MINE AND MEET THE RECLAMATION REQUIREMENTS, AND MARKET DEMAND.

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PARCEL BOUNDARY (501.65 ACRES)

EXISTING CONTOUR

PROPERTY BOUNDARY (501.65 ACRES)

PROJECT BOUNDARY (368.58 ACRES)

SHEET INDEX

SHEET 1 TITLE SHEET SHEET 2 EXISTING SITE FEATURES SHEET 3 MINE PHASING OVERVIEW

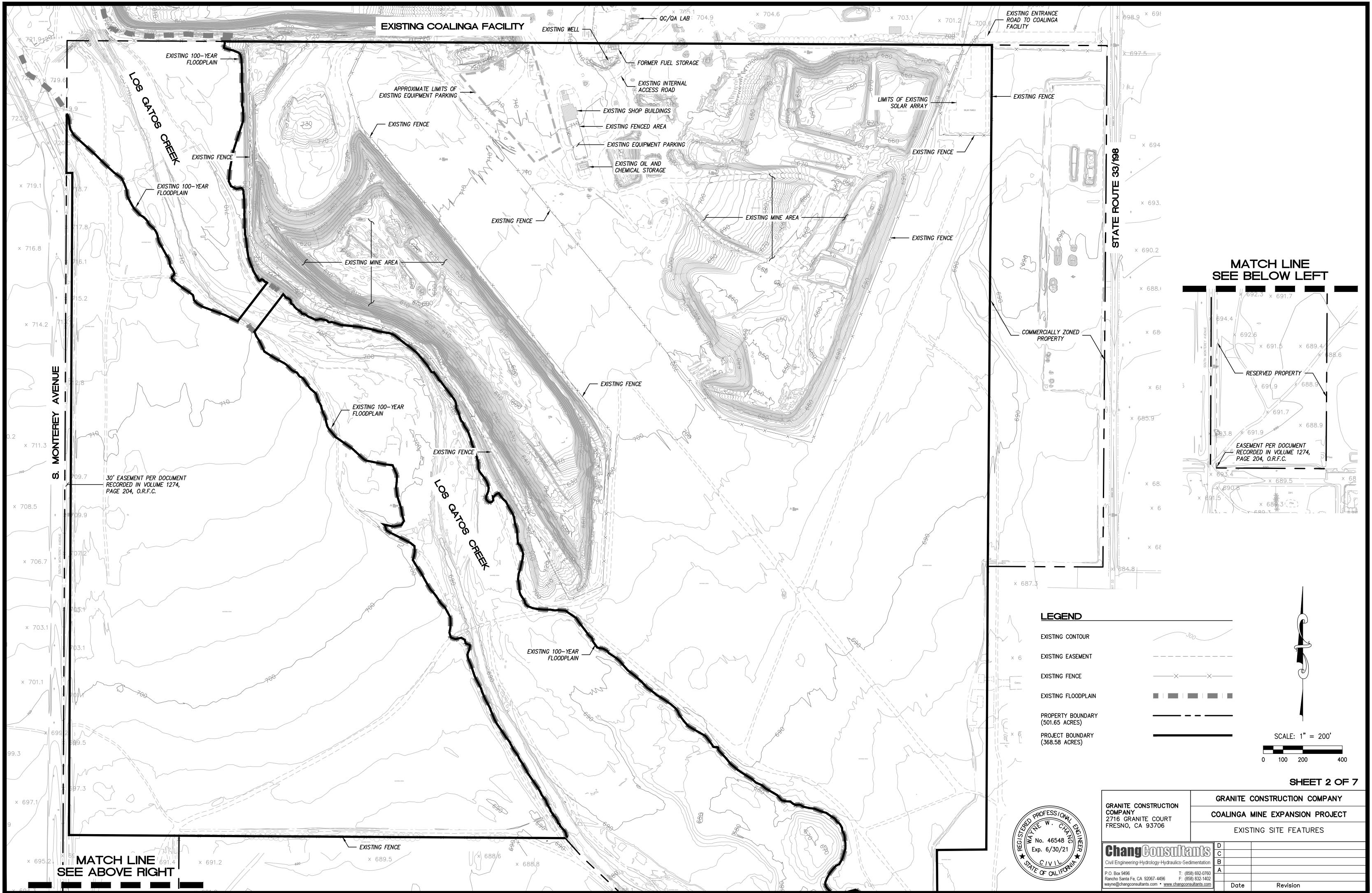
SHEET 4 MINING PLAN

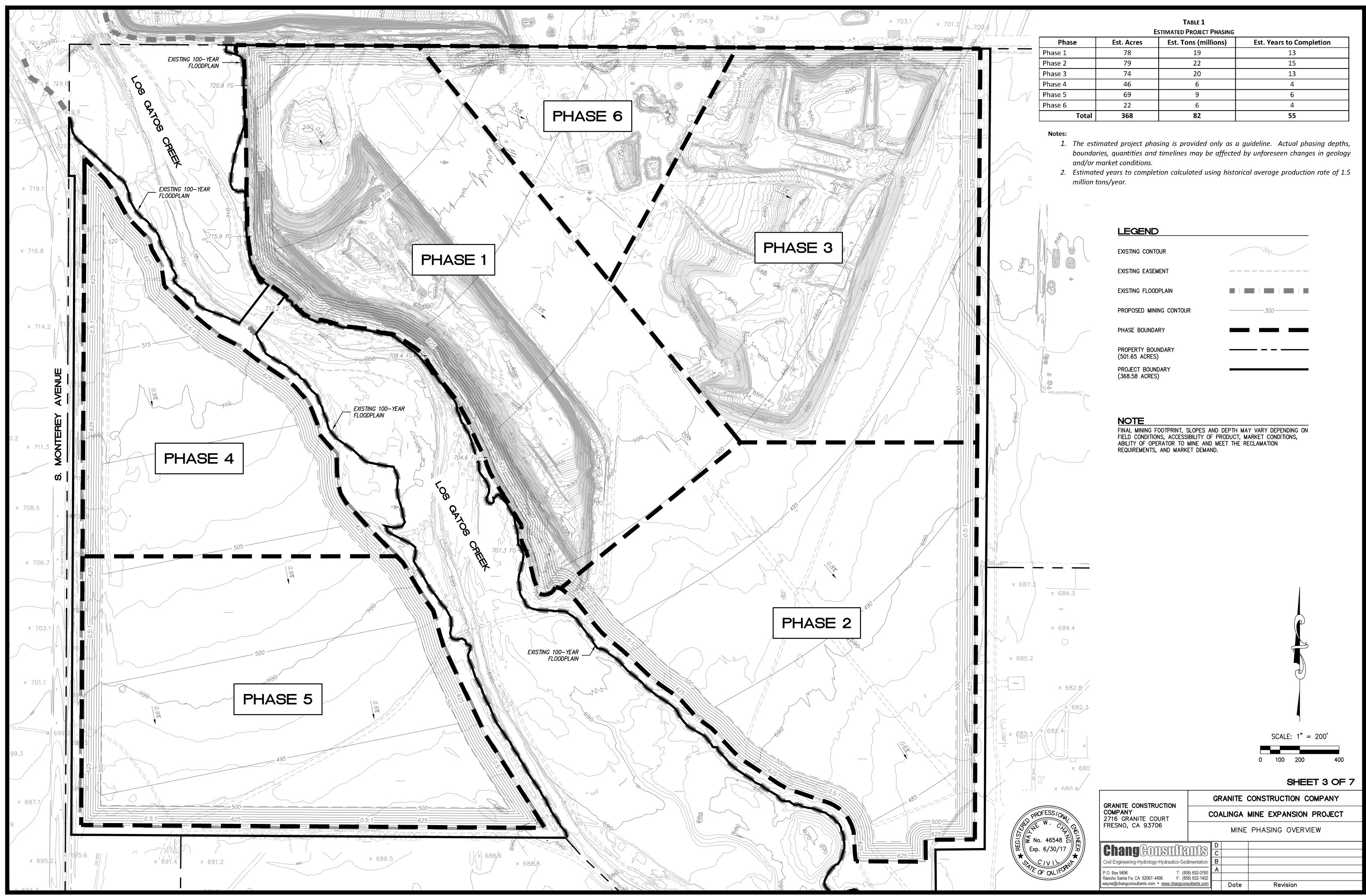
SHEET 5 MINING PLAN CROSS-SECTIONS SHEET 6 RECLAMATION PLAN

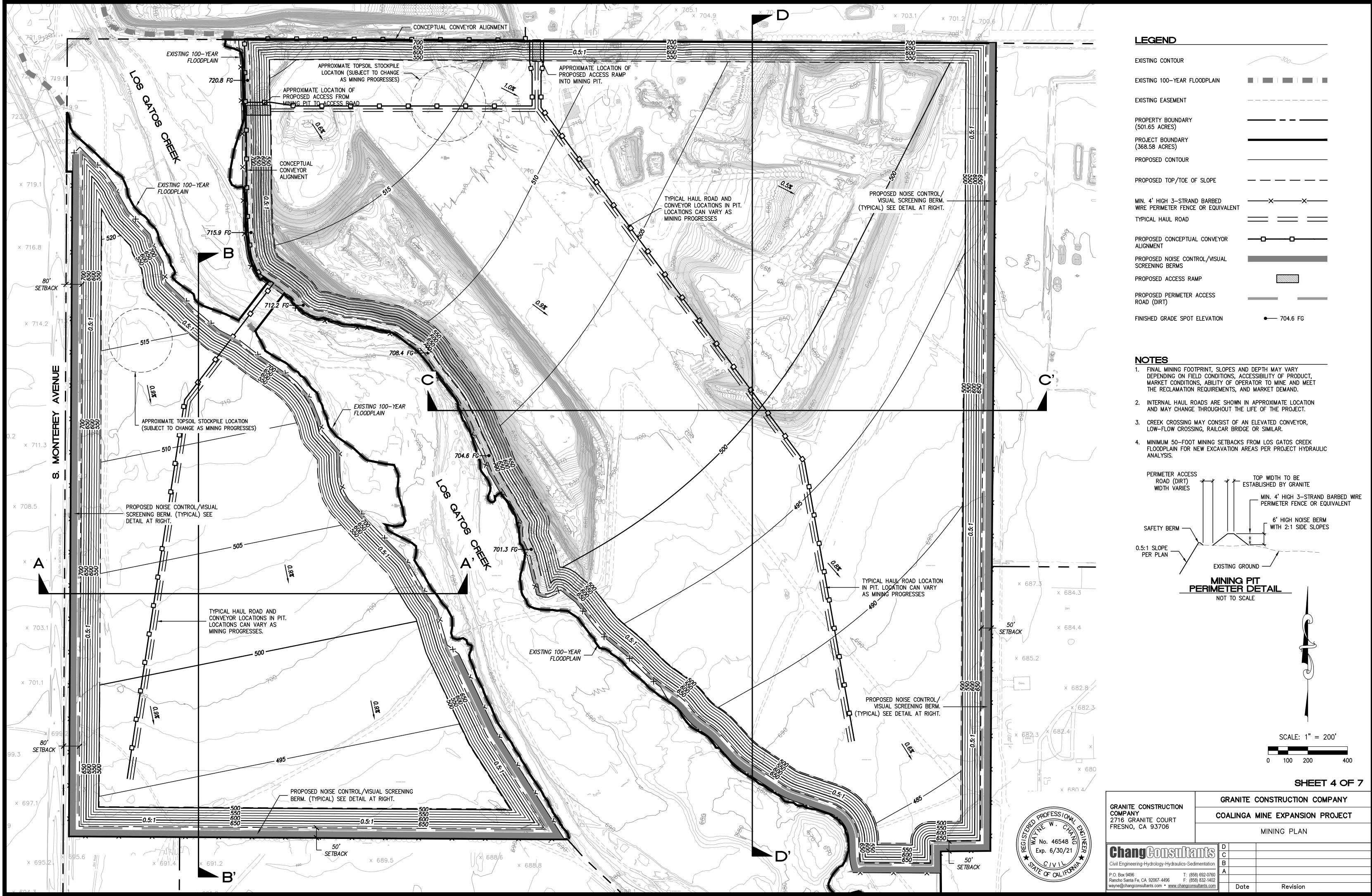
SHEET 7 RECLAMATION PLAN CROSS-SECTIONS

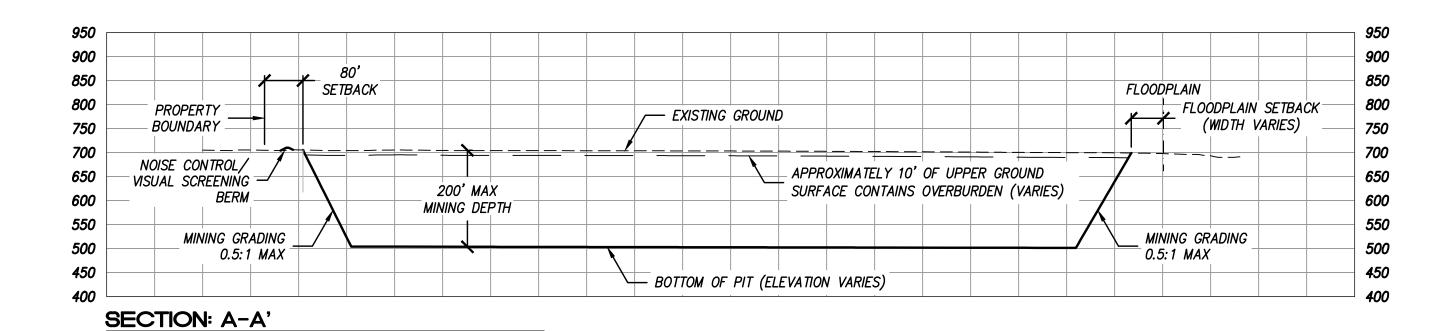


			SHEET 1 OF 7		
	GR	ANITE (CONSTRUCTION COMPANY		
COALINGA MINE EXPANSION PROJECT					
			TITLE SHEET		
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58) 832-1402 sultants.com		Date	Revision		
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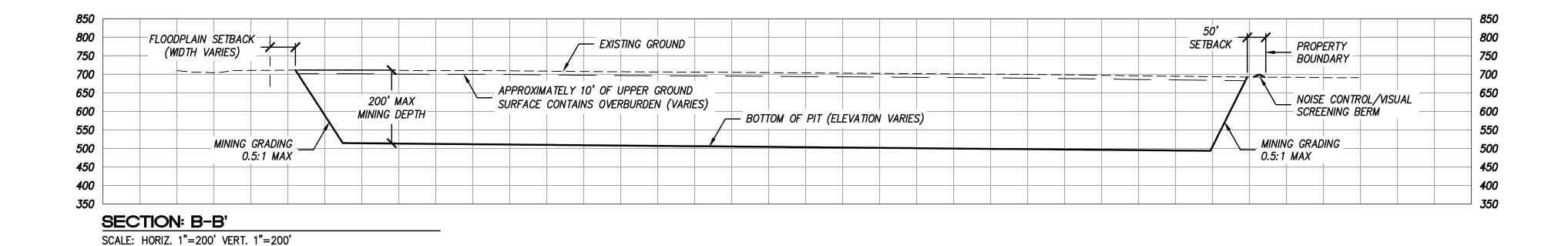


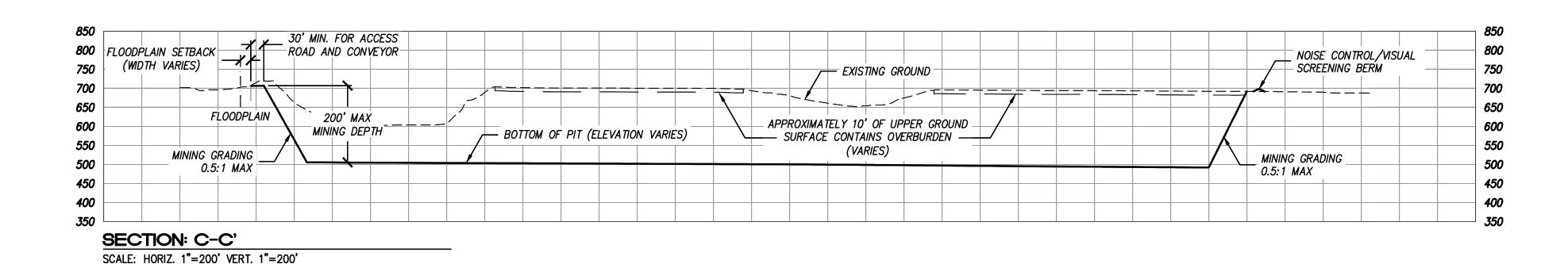




SCALE: HORIZ. 1"=200' VERT. 1"=200'

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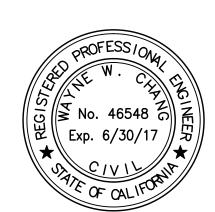




850 850 FLOODPLAIN SETBACK *800* EXISTING COALINGA T FACILITY BOUNDARY (WIDTH VARIES) *750* EXISTING GROUND -*750* 700 *700 650* _ APPROXIMATELY 10' OF UPPER GROUND *650* NOISE CONTROL/VISUAL 200' MAX SURFACE CONTAINS OVERBURDEN (VARIES) *600 600* SCREENING BERM MINING DEPTH BOTTOM OF PIT (ELEVATION VARIES) MINING GRADING *550 550* 0.5:1 MAX MINING GRADING *500 500* 0.5:1 MAX *450 450* 400 400 SECTION: D-D'



SHEET 5 OF 7



GRANITE CONSTRUCTION	GRANITE CONSTRUCTION COMPANY				
COMPANY 2716 GRANITE COURT	COALINGA MINE EXPANSION PROJECT				
FRESNO, CA 93706	MINING PLAN CROSS-SECTIONS				

NOTES

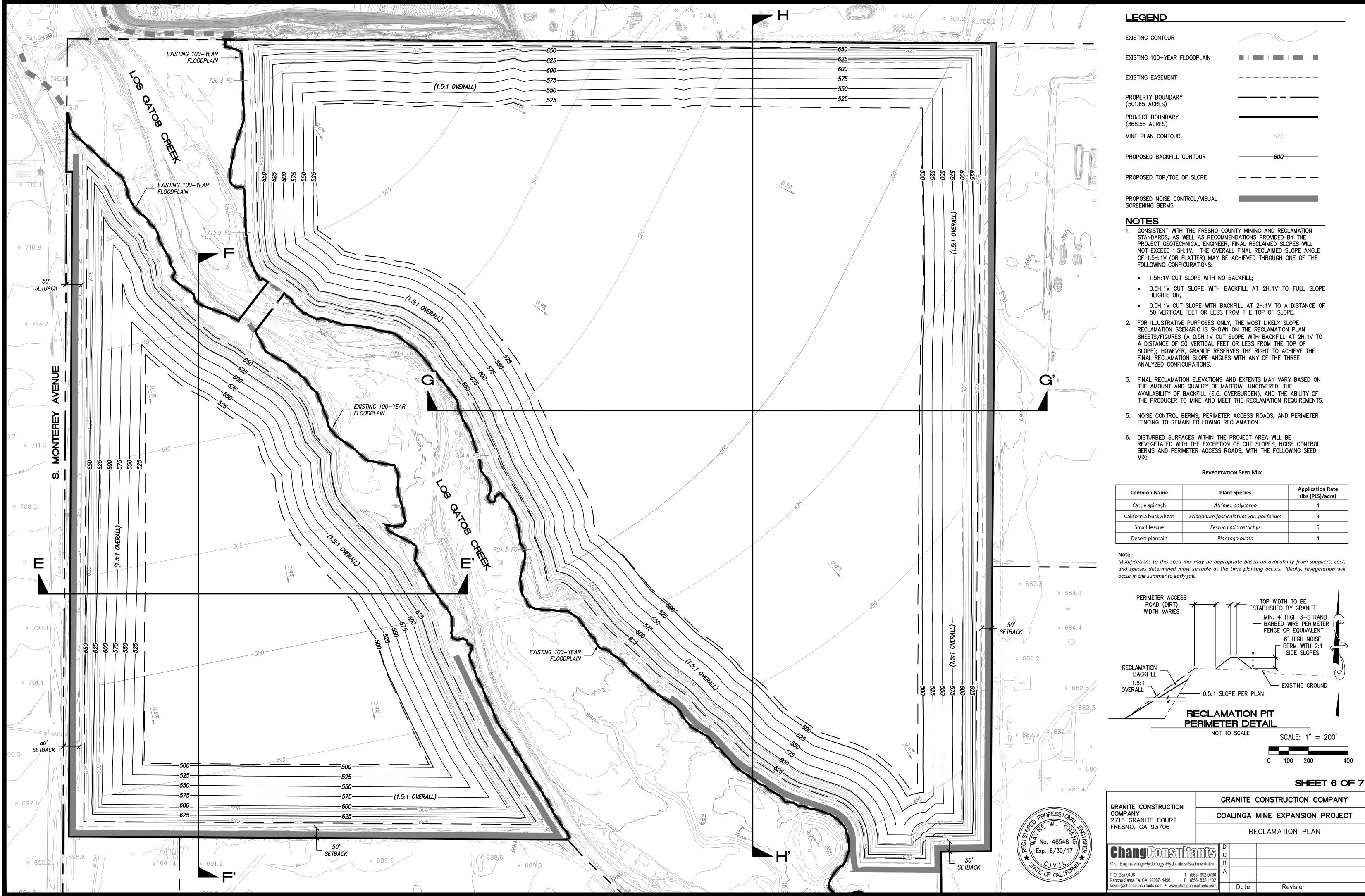
1. GROUNDWATER DEPTHS ARE GENERALLY 100 FEET ON AVERAGE OR

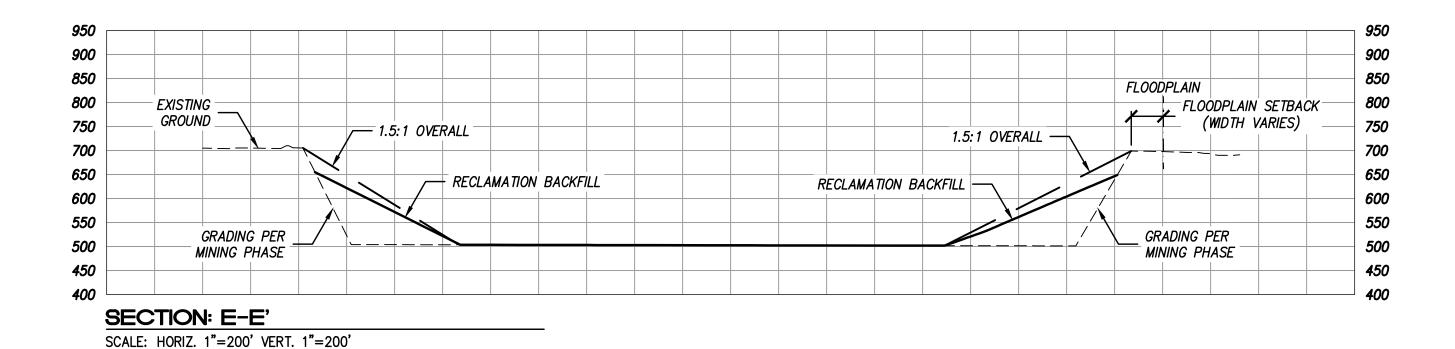
2. FINAL MINING FOOTPRINT, SLOPES AND DEPTH MAY VARY DEPENDING ON FIELD CONDITIONS, ACCESSIBILITY OF PRODUCT, MARKET CONDITIONS, ABILITY OF OPERATOR TO MINE AND MEET THE

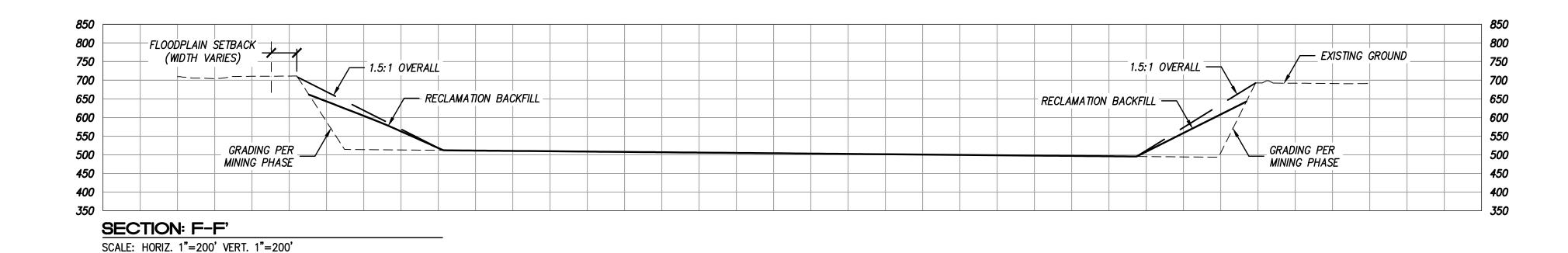
RECLAMATION REQUIREMENTS, AND MARKET DEMAND.

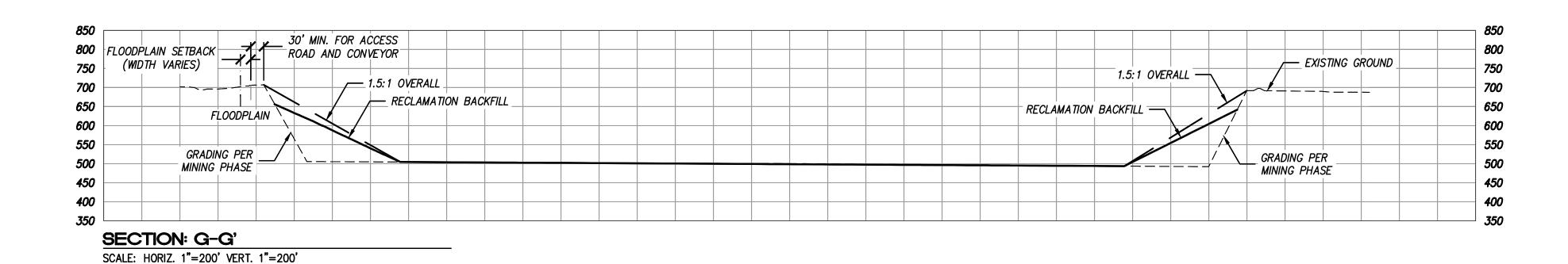
MORE BELOW PROPOSED BOTTOM OF PITS.

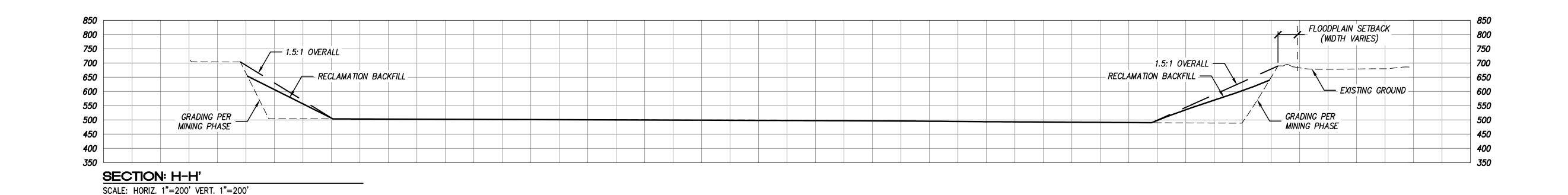
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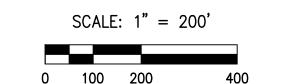












SHEET 7 OF 7



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NITE CONSTRUCTION PANY G GRANITE COURT SNO, CA 93706	GRANITE CONSTRUCTION COMPANY				
	COALINGA MINE EXPANSION PROJECT				
	RECLAMATION PLAN CROSS-SECTIONS				

1. CONSISTENT WITH THE FRESNO COUNTY MINING AND RECLAMATION STANDARDS, AS WELL AS RECOMMENDATIONS PROVIDED BY THE PROJECT GEOTECHNICAL ENGINEER, FINAL RECLAIMED SLOPES WILL NOT EXCEED 1.5H:1V. THE OVERALL FINAL RECLAIMED SLOPE ANGLE OF 1.5H:1V (OR FLATTER) MAY BE ACHIEVED THROUGH ONE OF THE

0.5H:1V CUT SLOPE WITH BACKFILL AT 2H:1V TO FULL SLOPE

0.5H:1V CUT SLOPE WITH BACKFILL AT 2H:1V TO A DISTANCE OF

SHEETS/FIGURES (A 0.5H:1V CUT SLOPE WITH BACKFILL AT 2H:1V TO

50 VERTICAL FEET OR LESS FROM THE TOP OF SLOPE.

RECLAMATION SCENARIO IS SHOWN ON THE RECLAMATION PLAN

A DISTANCE OF 50 VERTICAL FEET OR LESS FROM THE TOP OF

3. FINAL RECLAMATION ELEVATIONS AND EXTENTS MAY VARY BASED ON

4. NOISE CONTROL BERMS, PERIMETER ACCESS ROADS, AND PERIMETER

FENCING TO REMAIN FOLLOWING RECLAMATION.

AVAILABILITY OF BACKFILL (E.G. OVERBURDEN), AND THE ABILITY OF THE PRODUCER TO MINE AND MEET THE RECLAMATION REQUIREMENTS.

THE AMOUNT AND QUALITY OF MATERIAL UNCOVERED, THE

FINAL RECLAMATION SLOPE ANGLES WITH ANY OF THE THREE

SLOPE); HOWEVER, GRANITE RESERVES THE RIGHT TO ACHIEVE THE

2. FOR ILLUSTRATIVE PURPOSES ONLY, THE MOST LIKELY SLOPE

FOLLOWING CONFIGURATIONS:

ANALYZED CONFIGURATIONS.

HEIGHT; OR,

1.5H:1V CUT SLOPE WITH NO BACKFILL;

D		
C		
В		
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