

Attachment 3

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SECTION I INTRODUCTION

Introduction

El Segundo Bond Proposal for 2024 is in the amount of \$56,744,146.00. The proposal assumes the "worse case" scenario at the end of 2024. There are currently 4-mining pits on the property. Through improvements of mining methods, changes in the mine plan, and reduction of fill volumes through on-going reclamation, the cost of reclamation has been reduced.

This proposal is organized into nine Sections, the first being this Introduction, followed by a summary of the Facilities Reclamation Costs in Section II and the Revegetation Costs in Section III. Section VI has the volumetric summary by phase, overall volumetric phases maps (1-9), pre-reclamation topography and post-reclamation topography. Sections V through VIII summarize earthmoving costs by mining area and material and equipment type. Volumes for these sections are obtained using the provided .tin files for each mining phase. Section XI is Equipment and Cost Data.

Sections V through VII have four parts each. Part A. is a volumetric summary for earthmoving. It includes: 1) a summary of volumes and associated cost for the initial dozer reduction of near pit spoils and highwalls, 2) volumes and costs for loader and truck excavation and haulage of spoil necessary to re-grade the final surface for positive through drainage, and 3) estimated volumes and costs associated with topsoil re-spread and re-vegetation. Part B. is a plan view map of the Pre-Reclamation Surface showing contours of the 4-mining areas and peripheral mining disturbances. Part C. is a plan view map of the Post-Reclamation Surface showing contours of the 4-mining areas and peripheral mining disturbances. This map shows borrow-fill boundaries and topsoil haulage. Part D. is the summary of Topsoil for each mining area.

Note that the maximum average dozer push per cross section does not typically exceed 300 feet in length. The push length is measured from the centroid of the cut to the median of the top surface of the resulting dozer fill. The cross sections also show the remaining area to be filled from the borrow areas by the loader and truck fleets. Part D. is a plan view map of the Post-Reclamation Surface showing contours for the reconstructed stream beds, back slopes for the borrow areas and out-of-pit stockpiles. Disturbance boundaries associated with the reclamation effort and the footprint for topsoil piles for final re-spread are also represented on the map.

It should be noted that El Segundo has followed generally accepted engineering practices to design the Post-Reclamation surface and calculate the total cost to reclaim mining related disturbances within the 2020-01 mining permit. Engineering followed guidelines recommended in the OSM "Handbook for Calculation of Reclamation Bond Amounts", and guidelines provided by the State of New Mexico Mining and Mineral Division for the same. Costs and productive estimates were taken from Equipment Watch and the Caterpillar Performance Handbook ED 41/49. Costs were adjusted for local diesel and labor pricing. The final design and costs estimates were based on our best judgment and knowledge and represent a good faith effort to evaluate and report the comprehensive costs to reclaim the El Segundo mining disturbances and supporting infrastructure.

Swell factors assumptions used in the volumetric determinations are as follows:

- 1) Previously undisturbed bank material is swollen by 25% when ripped and pushed to the final void.
- 2) Material dozer cut from the backfill dumps and pushed to backfill the final void, is assumed to have zero

3) No swell or shrinkage has been assumed for topsoil or spoil handled by loader and truck fleets.

Note that all production rates are based on Loose Cubic Yards per Hour.

Volumes for the cuts and fills for dozers and loader fleets were calculated using surface to surface .tin files through 9 phases within bounded cut/fill areas, to prevent overlapping cut/fill volumes.

All terraces and significant slopes (greater than 7 H:1 V) resulting from mining have been removed from the Post-reclamation surface and the associated costs have been accounted for in the borrow volumetrics. Natural terraces and excessive slopes were not altered. It should be noted that the final contours have been smoothed in localized areas to enhance splice lines between the disturbed and undisturbed surfaces and to reduce small slopes and berms. These changes should not materially effect the overall volumetric calculations or costs.

Overall stream gradients average 0.2% to 5.0% and are routed through the final reclaimed pits and ramps to the natural drainage.

Mining Area 1 (MA1):

MA 1 requires 460,999 LCY of dozer push from the highwall and 2,877,840 LCY from the backfill. An additional 3,021,101 LCY of borrow material is removed to achieve positive drainage. This material is removed by front-end loaders.

Mining Area 2 (MA2):

MA2 requires 4,146,765 LCY of dozer push from the highwall and 954,337 LCY from the backfill. An additional 2,774,515 LCY yards of fill material are required to achieve positive drainage. This fill material is acquired by front-end loaders.

Mining Area 3 (MA3):

MA3 requires 1,328,735 LCY of dozer push from the highwall and 445,937 LCY from the backfill. An additional 887,054 LCY yards of fill material are required to achieve positive drainage. This fill material is acquired by front-end loaders.

Mining Area 4 (MA4):

MA4 requires 9,136,928 LCY of dozer push from the highwall and 3,933,210 LCY from the backfill. An additional 2,007,926 LCY yards of fill material are required to achieve positive drainage. This fill material is acquired by front-end loaders.

EL SEGUNDO ESTIMATED EARTHWORK ONLY COST

El Segundo Mine - Permit Number 2020-01				Eq Rate	Operator	Duty Factor	Total / Hr	Amount
El Segundo Mine Total Dozer Ripping								
Equipment	Yards	Hours						
Cat D-10R	18,209,074	13,552	\$	199.04	41.45	1.0	\$ 240.49	3,259,055.99

El Segundo Mine Total Dozer Push				Eq Rate	Operator	Duty Factor	Total / Hr	Amount
Equipment	Yards	Hours						
Cat D-11 Highwall	15,073,427	11,198.2	\$	319.17	41.45	1.0	\$ 360.62	4,038,281.81
Cat D-11 Spoil	8,211,324	4,494.3	\$	319.17	41.45	1.0	\$ 360.62	1,620,719.10

El Segundo Mine Total Truck Shovel Haul				Eq Rate	Operator	Duty Factor	Total / Hr	Amount
Equipment	Yards/Acres	Hours						
Cat 992 FEL	8,690,596	6,848.4		341.01	41.45	1.0	\$ 382.46	2,619,214.83
Cat 777 Trucks		16,773.3		188.33	41.45	1.0	\$ 229.78	3,854,088.10
Cat D-10 Dozer		6,848.4		199.04	41.45	1.0	\$ 240.49	1,646,984.36
Cat 16 Blade		3,424.2		154.00	41.45	1.0	\$ 195.45	669,249.51
Water Truck		3,424.2		88.68	41.45	1.0	\$ 130.13	445,572.82
Service Truck		3,424.2		12.26	41.45	1.0	\$ 53.71	183,904.72

El Segundo Mine Total Topsoil - Disturbance				Eq Rate	Operator	Duty Factor	Total / Hr	Amount
Equipment	Acres	Yards	Hours					
Cat 992 FEL	1,214.5	1,959,391	1,544.0	341.01	41.45	1.0	\$ 382.46	590,530.96
Cat 777 Trucks			3,591.0	188.33	41.45	1.0	\$ 229.78	825,118.79
Cat D-10 Dozer			1,544.0	199.04	41.45	1.0	\$ 240.49	371,330.84
Cat 16 Blade - Roads			772.0	154.00	41.45	1.0	\$ 195.45	150,889.71
Water Truck			772.0	88.68	41.45	1.0	\$ 130.13	100,459.32
Service Truck			772.0	12.26	41.45	1.0	\$ 53.71	41,463.35

El Segundo Mine Total Topsoil - Haulroads				Eq Rate	Operator	Duty Factor	Total / Hr	Amount
Equipment	Acres	Yards	Hours					
Cat 992 FEL	347.5	560,634	417.1	341.01	41.45	1.0	\$ 382.46	159,533.60
Cat 777 Trucks			1,140.1	188.33	41.45	1.0	\$ 229.78	261,963.70
Cat D-10 Dozer			417.1	199.04	41.45	1.0	\$ 240.49	100,316.07
Cat 16 Blade - Roads			208.6	154.00	41.45	1.0	\$ 195.45	40,763.28
Water Truck			208.6	88.68	41.45	1.0	\$ 130.13	27,139.37
Service Truck			208.6	12.26	41.45	1.0	\$ 53.71	11,201.44

El Segundo Mine Total Revegetation / Pond Reclamation				Eq Rate	Operator	Duty Factor	Total / Hr	Amount
Equipment	Acres	Yards	Hours					
<i>Disturbance Area</i>								
16 - Blade - Scarify	1,562.0		566.4	154.00	41.45	1.0	\$ 195.45	110,709.20
<i>Ponds</i>								
Cat D-11 Dozer	255.0	822,800	329.5	\$ 319.17	41.45	1.0	\$ 360.62	118,828.11

Note: Eq Rate from EquipmentWatch Q3 2022 (Diesel Price Adjusted)

\$ 21,247,318.98

El Segundo Mine Total Revegetation			Eq Rate	Operator	Duty Factor	Total / Hr	Amount
Equipment	Acres	Rate					
Seed, Mulch & Other Reveg**	1,817.0	\$ 1,000.00 per acre					<u>\$ 1,817,000.00</u>

**Revegetation acreage includes the previously topsoiled areas that were not disturbed during reclamation.

\$ 23,064,318.98

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
2024 Bond Proposal - Current Misc Rates
Permit Number 2020-01

RECLAMATION BOND SUMMARY SHEET

			PROPOSED
1	TOTAL FACILITY STRUCTURE REMOVAL COSTS		4,240,390
2	TOTAL EARTHMOVING COSTS FACILITIES AREA		468,611
3	TOTAL EARTHMOVING COSTS - MA-1		5,329,607
4	TOTAL EARTHMOVING COSTS - MA-2		5,611,765
5	TOTAL EARTHMOVING COSTS - MA-3		2,271,728
6	TOTAL EARTHMOVING COSTS - MA-4		8,034,219
9	TOTAL REVEGETATION COSTS		2,357,500
	**Total includes Revegetation for the pits, haulroads, facilities and access road areas.		
10	PHASE III BOND COSTS FOR CURRENT BOND PROPOSAL ACRES (1,817.0 ACRES)		199,562
11	BOND RELEASE COST (PHASE I-PHASE II FOR TOTAL DISTURBANCE (5,011.7 ACRES)		8,767,388
	-Disturbed acreage outside of Bond Calculation Boundary (6,828.7-1,817.0 = 5,011.7 ACRES)		
12	TOTAL SUPPLEMENTAL BOND AMOUNT		-
13	SUB TOTAL : TOTAL DIRECT COSTS	\$	37,280,770
14	Inflated Direct Costs (Line 13)*(Inflation)	3.58%	38,614,443
15	Mobilization and DeMobilization (% of Line 16)	1.00%	386,144
16	Contingencies (% of Line 16)	3.00%	1,158,433
17	Engineering Redesign Fee (% of line 16)	2.69%	1,038,729
18	Project Managemnt Fee (% of line 16)	3.00%	1,158,433
19	Contractor Overhead (% of line 16)	6.77%	2,614,198
20	Contractor Profit (% of line 16)	5.90%	2,278,252
21	SUB TOTAL : TAXABLE PORTION	\$	53,218,425
22	NMGR TAX @ 6.625% OF ITEM 18		3,525,721
23	GRAND TOTAL BOND AMOUNT	\$	56,744,146

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
2024 Bond Proposal - Current Misc Rates
Permit Number 2020-01

RECLAMATION PHASE CALCULATIONS

-CURRENTLY DISTURBED AREAS OUTSIDE OF BOND CALCULATION

PHASE CALCULATIONS:

TOTAL DISTURBED: 6,828.7 ACRES

PHASE I:

REGRADE ESTIMATE: 1.5 FT
 3:1 DZP/LDR UNIT COST 0.42 \$/LCY
 REGRADE COSTS 1013.95 \$/ACRE
 TOPSOIL ESTIMATE: 1 FT
 TOPSOIL UNIT COST 1.06 \$/LCY
 TOPSOIL COSTS 1712.47 \$/ACRE
TOTAL PHASE I COST 2726.42 \$/ACRE

PHASE II:

REWORK ESTIMATE 10 %
 TOPSOIL REWORK 171.25 \$/ACRE
 REVEG REWORK 100 \$/ACRE
 REVEG UNIT COST 1000 \$/ACRE
 REVEG TESTING 5.00 \$/ACRE
TOTAL PHASE II COST 1276.25

PHASE III:

ANNUAL MONITORING COSTS 75,000 \$/YEAR
 AVERAGE BOND RELEASE TERM 10 YEARS
TOTAL PHASE III COST 109.83 \$/ACRE

OVERALL PHASE I THROUGH III COST 4112.49 \$/ACRE

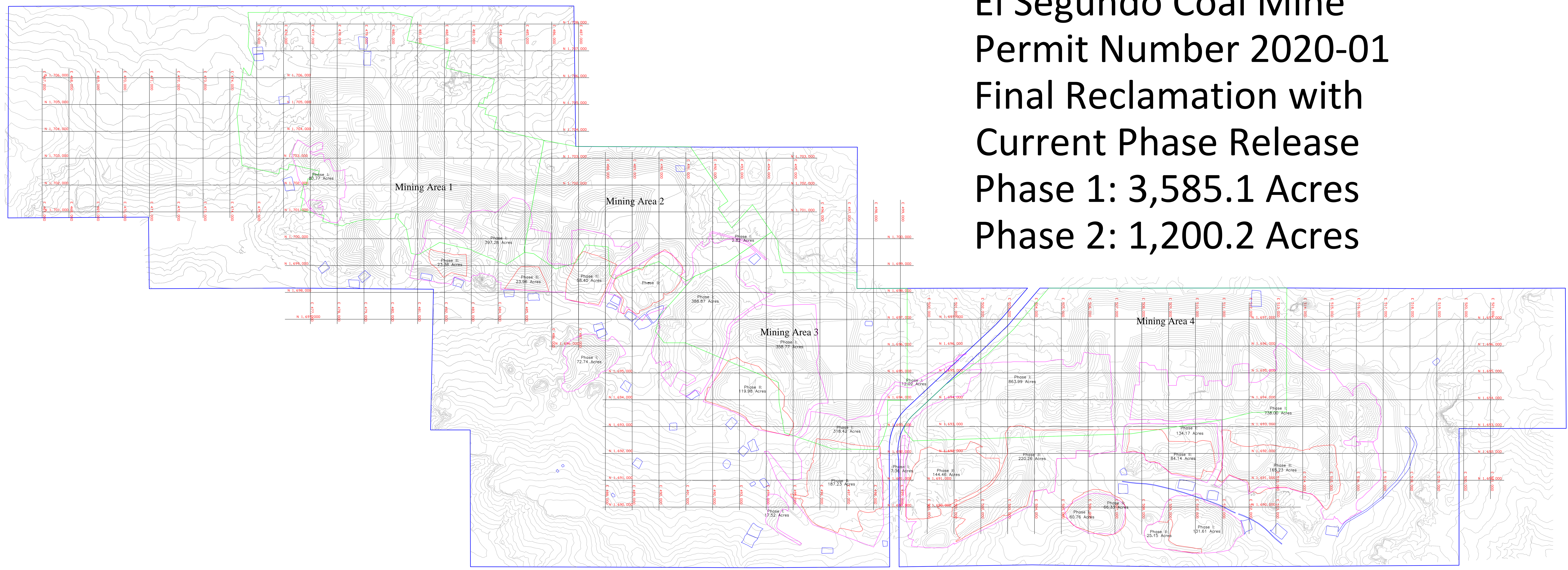
COST BREAKDOWN:

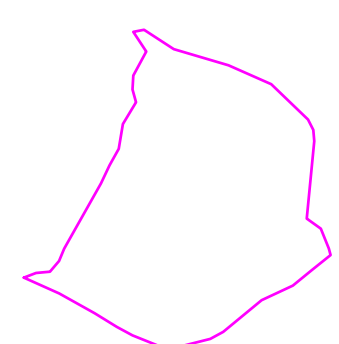
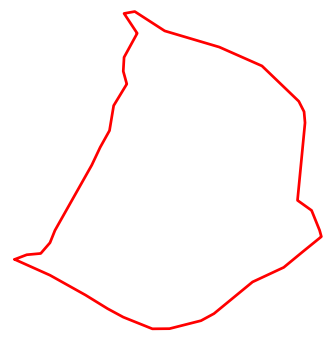
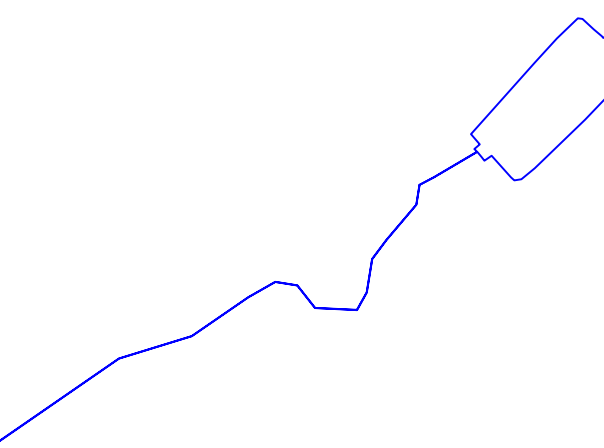
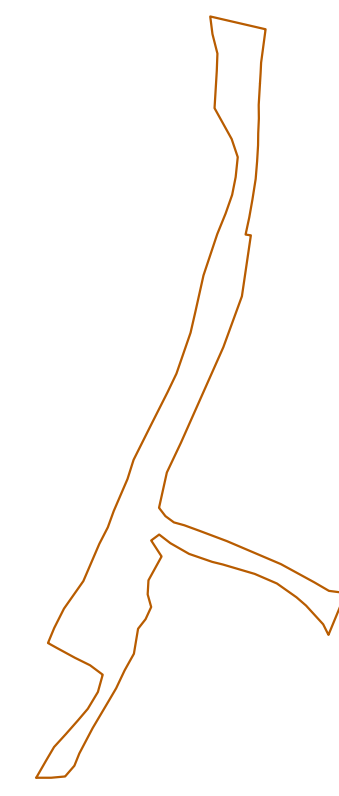
PHASE I 60.0% 2467.50 \$/ACRE
 PHASE II NA 645.00 \$/ACRE
 PHASE III NA 1000.00 \$/ACRE

BOND RELEASE COST (PHASE I-PHASE II FOR TOTAL DISTURBANCE (5,011.7 ACRES))				18,387,787
-Disturbed acreage outside of Bond Calculation Boundary (6,828.7-1,817.0 = 5,011.7 ACRES)				
PHASE I RELEASE	2,467	\$/ACRE	ACRES APPROVED:	3585.12 (8,846,273)
PHASE II RELEASE	645	\$/ACRE	ACRES APPROVED:	1200.2 (774,127)
PHASE III RELEASE	1,000	\$/ACRE	ACRES APPROVED:	0 -
TOTAL PHASE RELEASE				(9,620,399)

BOND RELEASE COSTS	18,387,787
PHASE RELEASE COSTS	(9,620,399)
TOTAL BOND RELEASE COSTS	8,767,388

El Segundo Coal Mine Permit Number 2020-01 Final Reclamation with Current Phase Release Phase 1: 3,585.1 Acres Phase 2: 1,200.2 Acres



- 
**Approved Phase I
Acres**
- 
**Approved Phase 2
Acres**
- 
**Ponds &
Diversions**
- 
Haul Road

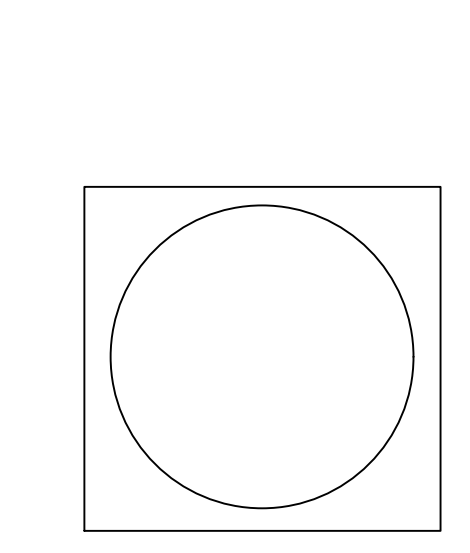
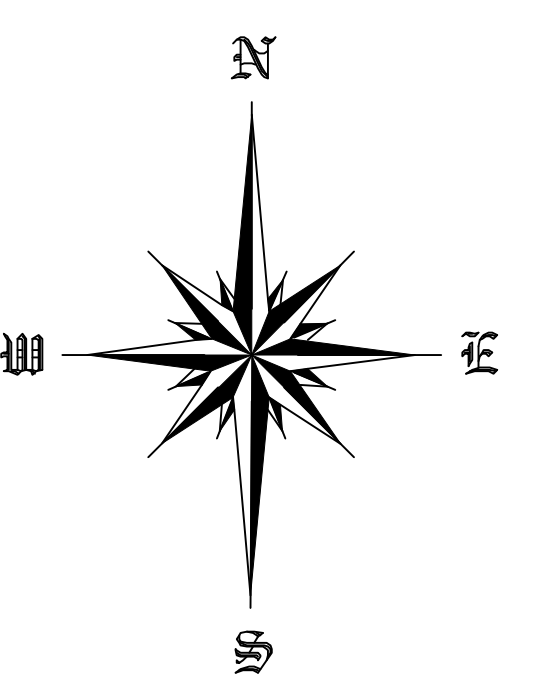


Figure 1



 EL SEGUNDO MINE McKinley County, New Mexico	
Final Reclamation with 2022 Approved Bond Phase Release 2022 Bond Proposal Figure 1 Permit No. 2020-01	
DATE: 8/18/2022 SCALE: 1" = 1000'	DRAWN BY: CIS CHECKED BY: CIS
PEABODY NATURAL RESOURCES COMPANY P.O. BOX 757 GRANTS, NM 87020	

SECTION II FACILITIES

EL SEGUNDO MINE
2024 Bond Proposal
Permit Number 2020-01

DEMOLITION RECLAMATION OF THE MATERIAL HANDLING FACILITY AND SUPPORT FACILITIES

ITEM NO.	ITEM DESCRIPTION	CONSTRUCTION			UNIT	QUANTITY	UNIT COST	DEMOLITION COST	CALCULATION NOTES
		MATERIAL	UNIT	QUANTITY					
Material Handling Facility									
1	Truck Dump Facility								
	Steel Structure	Steel	C.F.	155,900	\$0.25		\$38,975	RS Means 02 41 16 13 0020	
	Foundation	Concrete	S.F.	552	\$1.05		\$580	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	14	\$19.81		\$277	RS Means 02 41 16.17 4250	
2	Hopper Reclaim Conveyor 101	Steel	L.F.	2,000	\$52.06		\$104,120	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
3	Rotary Breaker Building								
	Steel Structure	Steel	C.F.	128,000	\$0.25		\$32,000	RS Means 02 41 16 13 0020	
	Foundation	Concrete	S.F.	2,170	\$1.05		\$2,279	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	54	\$19.81		\$1,070	RS Means 02 41 16.17 4250	
4	Rotary Breaker Reject Conveyor 102	Steel	L.F.	265	\$52.06		\$13,796	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
5	Rotary Breaker Reject Bin								
	Steel Structure	Steel	C.F.	128,500	\$0.25		\$32,125	RS Means 02 41 16.13 0020	
	Foundation	Concrete	S.F.	1,600	\$1.05		\$1,680	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	40	\$19.81		\$792	RS Means 02 41 16.17 4250	
6	Crusher Building Feed Conveyor 103	Steel	L.F.	22,000	\$52.06		\$1,145,320	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
7	Crushing Building								
	Steel Structure	Steel	C.F.	71,050	\$0.25		\$17,763	RS Means 02 41 16.13 0020	
	Foundation	Concrete	S.F.	1,225	\$1.05		\$1,286	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	31	\$19.81		\$614	RS Means 02 41 16.17 4250	
8	Stack Out Conveyor 104	Steel	L.F.	1,160	\$52.06		\$60,390	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
9	Stack Out Conveyor 105	Steel	L.F.	263	\$52.06		\$13,692	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
10	Stack Out Conveyor 106	Steel	L.F.	263	\$52.06		\$13,692	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
11	Sample System - Stackout								
	Steel Structure	Steel	C.F.	4,200	\$0.25		\$1,050	RS Means 02 41 16.13 0020	
	Foundation	Concrete	S.F.	2,170	\$1.05		\$2,279	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	54	\$19.81		\$1,070	RS Means 02 41 16.17 4250	
12	Stack Tube A	Concrete	S.F.	4,250	\$24.66		\$104,805	RS Means 02 41 19.16 0200	
13	Transfer Building at Stack Tube A	Steel	C.F.	8,000	\$0.25		\$2,000	RS Means 02 41 16.13 0020	
14	Stack Tube B	Concrete	S.F.	4,250	\$24.66		\$104,805	RS Means 02 41 19.16 0200	
15	Transfer Building at Stack Tube B	Steel	C.F.	34,200	\$0.25		\$8,550	RS Means 02 41 16.13 0020	
16	Stack Tube C	Concrete	S.F.	4,250	\$24.66		\$104,805	RS Means 02 41 19.16 0200	
17	Transfer Building at Stack Tube C	Steel	C.F.	8,000	\$0.25		\$2,000	RS Means 02 41 16.13 0020	
18	Reclaim Tunnel (Roof Demolition only)	Concrete	S.F.	15,000	\$24.66		\$369,900	RS Means 02 41 19.16 0200	
19	Reclaim Conveyor 107	Steel	L.F.	1,625	\$52.06		\$84,598	RS Means - B-8 Crew(\$7809.54/Day), 150 FT/Day Productivity	
20	Batch Weigh/Train Loadout System								
	Steel Structure	Steel	C.F.	79,200	\$0.25		\$19,800	RS Means 02 41 16.13 0020	
	Foundation	Concrete	S.F.	750	\$1.05		\$788	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	19	\$19.81		\$376	RS Means 02 41 16.17 4250	
21	MCC Buildings								
	Steel Structure	Steel	C.F.	19,200	\$0.25		\$4,800	RS Means 02 41 16.13 0020	
	Foundation	Concrete	S.F.	1,600	\$1.05		\$1,680	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	40	\$19.81		\$792	RS Means 02 41 16.17 4250	
22	Power Distribution	N/A	L.F.	6,000	\$1.56		\$9,360	RS Means - B-5 Crew(\$3128.73/Day), 2000 FT/Day Productivity	
23	Seed & Mulch	N/A	ACRE	60	\$1,000.00		\$60,000	Per Communication with Lee Ranch Coal Co.	
24	4 - Steel 40' x 60' Out Buildings	Steel	C.F.	115,200	\$0.25		\$28,800	RS Means 02 41 16.13 0020	
	Foundation	Concrete	S.F.	9,600	\$1.05		\$10,080	RS Means 02 41 16.17 0440	
	Warehouse Out Building Slab	Concrete	S.F.	1,800	\$1.05		\$1,890	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	281	\$19.81		\$5,567	RS Means 02 41 16.17 4250	
25	2 - Water Load Out Slabs								
	Foundation	Concrete	S.F.	3,880	\$1.05		\$4,074	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	144	\$19.81		\$2,853	RS Means 02 41 16.17 4250	
26	3- Prill Silos Sites	Steel	C.F.				\$0		
	Foundation	Concrete	S.F.	4,025	\$1.05		\$4,226	RS Means 02 41 16.17 0440	
	Foundation Disposal	Concrete	C.Y.	149	\$19.81		\$2,952	RS Means 02 41 16.17 4250	
SUBTOTAL MATERIAL HANDLING SYSTEM							\$2,424,348		

**EL SEGUNDO MINE
2024 Bond Proposal
Permit Number 2020-01**

DEMOLITION RECLAMATION OF THE MATERIAL HANDLING FACILITY AND SUPPORT FACILITIES

Support Facilities							
1	Access Road (24' W x 14000' LG) Earthwork	N/A	B.C.Y.	33,260	\$3.95	\$131,377	RS Means 31 14 13.23 1430
2	Earthwork (ripping)	N/A	B.C.Y.	863,253	\$0.38	\$328,036	Cat Handbook Ripping 1,082 BCY/hr at \$413.65/hr
3	High Voltage Powerline Main Substation	N/A N/A	L.F. Day	86,000 2	\$1.56 \$3,128.73	\$134,160 \$6,257	RS Means - B-5 Crew(\$3128.73/Day), 2000 FT/Day Productivity RS Means - B-5 Crew(\$3128.73/Day)
4	Power Distribution (Water Wells, Office, Shop, etc.) Water Supply System Water Tank 260,000 gallon	N/A N/A N/A	L.F. Day Day	6,000 15 14	\$1.56 \$2,001.30 \$2,001.30	\$9,360 \$30,020 \$28,018	RS Means - B-5 Crew(\$3128.73/Day), 2000 FT/Day Productivity RS Means - B-17 Crew(\$2001.30/Day) RS Means - B-17 Crew(\$2001.30/Day)
5	Office, Training Center, & Bath House Structure Foundation Foundation Disposal	Mixture Concrete Concrete	C.F. S.F. C.Y.	240,000 20,000 496	\$0.43 \$1.05 \$19.81	\$103,200 \$21,000 \$9,826	RS Means 02 41 16.13 0100 RS Means 02 41 16.17 0440 RS Means 02 41 16.17 4250
6	Truck Shop Steel Structure Foundation Foundation Disposal	Steel Concrete Concrete	C.F. S.F. C.Y.	19,200 1,000 25	\$0.43 \$1.05 \$19.81	\$8,256 \$1,050 \$495	RS Means 02 41 16.13 0100 RS Means 02 41 16.17 0440 RS Means 02 41 16.17 4250
7	Warehouse Steel Structure Foundation Foundation Disposal	Mixture Concrete Concrete	C.F. S.F. C.Y.	240,000 20,000 496	\$0.43 \$1.05 \$19.81	\$103,200 \$21,000 \$9,826	RS Means 02 41 16.13 0100 RS Means 02 41 16.17 0440 RS Means 02 41 16.17 4250
8	Sewage Treatment Plant	N/A	Day	3	\$200.13	\$600	RS Means - B-17 Crew(\$2001.30/Day)
9	Fuel Tank Farm Tank Removal Foundation Foundation Disposal	N/A Concrete Concrete	Day S.F. C.Y.	4 2,500 62	\$2,001.30 \$1.05 \$19.81	\$8,005 \$2,625 \$1,228	RS Means - B-17 Crew(\$2001.30/Day) RS Means 02 41 16.17 0440 RS Means 02 41 16.17 4250
10	Ready Line No. 1 (At Central Facility)	N/A	Day	2	\$2,001.30	\$4,003	RS Means - B-17 Crew(\$2001.30/Day)
11	Ready Line No. 2 (Near Truck Dump)	N/A	Day	2	\$2,001.30	\$4,003	RS Means - B-17 Crew(\$2001.30/Day)
12	Communications Tower	N/A	Day	2	\$3,128.73	\$6,257	RS Means - B-5 Crew(\$3128.73/Day)
13	Seed & Mulch	N/A	ACRE	238	\$1,000.00	\$238,000	Per Communication with Lee Ranch Coal Co.
14	Highway Cross Over MSE Wall (wire face) Structural concrete Substructural concrete Reinforcing Bars Grade 60 36" Storm Drain Culvert Pipe 36" Storm Drain Culvert Pipe End Section Structural Plate Arch Metal Barrier Thrie Beam Metal Barrier End Treatment	Steel Concrete Concrete Steel Steel Steel Steel Steel Steel Steel	S.F. C.Y. C.Y. LBS LF Ea C.F. C.F. C.F. Ea	6,880 3 372 32,920 226 2 26,000 15,000 3,000 4	\$0.43 \$19.81 \$19.81 \$0.43 \$0.43 \$1,900.00 \$12.85 \$12.85 \$12.85 \$3,100.00	\$2,958 \$59 \$7,369 \$14,156 \$97 \$3,800 \$334,100 \$192,750 \$38,550 \$12,400	RS Means 02 41 16.13 0100 RS Means 02 41 16.17 4250 RS Means 02 41 16.17 4250 RS Means 02 41 16.13 0100 RS Means 02 41 16.13 0100 Install Cost RS Means 02 41 19.18 0200 RS Means 02 41 19.18 0200 RS Means 02 41 19.18 0200 Install Cost
15	Supplemental						
						\$1,816,042	
						\$4,240,390	
	Indirect Costs						
1	Mobilization and Demobilization Costs @ 1% of Direct Costs					\$42,404	
2	Contingencies @ 2% of Direct Costs					\$84,808	
3	Engineering Redsign Fee @ 2% of Direct Costs					\$84,808	
4	Contractor Profit and Overhead @ 10% of Direct Costs					\$424,039	
	Subtotal: Taxable Portion					\$4,876,449	
5	NMGR TAX @6.625					\$323,065	
6	Management Fee @ 2% of Direct Costs					\$84,808	
	Total Bond for Facilities Removal					\$5,284,321	
	NOTES:						
	1. RS Means = 2023 (Q2) RSMeanOnline.com						

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
2024 Bond Proposal - Current Misc Rates
Permit Number 2020-01

FACILITIES AREA
COST SUMMARY

EQUIPMENT TYPE	OWNERSHIP& OPERATING (\$/HR)*	OPERATING LABOR (\$/HR)*	HOURS REQUIRED (HRS)	TOTAL COSTS (\$)
992K	341.01	41.45	352	134,686.65
777F	188.33	41.45	1,027	236,015.58
++ D10T	199.04	41.45	176	42,346.05
16M GRADER (Scarifying)	154.00	41.45	108	21,148.03
++ 16M (ROADS/CONTOURING)	154.00	41.45	176	34,414.50
TOTALS			1,839.68	\$ 468,610.81

*Eq rates from Equipment Watch 2024 (Labor and Fuel adjusted)
++ TIED TO 992K HOURS/2

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
2024 Bond Proposal - Current Misc Rates
Permit Number 2020-01

FACILITIES AREA
MATERIAL HANDLING SUMMARY

DESCRIPTION	AREA (acres)	ORIGIN	DESTINATION	HAUL DISTANCE (FT)	EQUIPMENT
FACILITIES	35.0	MA-3 TSTKPL 013	Stockpile/Stackers	4,251	992K + 777F + D10T
TOPDRESSING HAUL VOLUMES	106.3	MA-3 TSTKPL 500	Stockpile/Stackers	7,259	992K + 777F + D10T
	52.1	MA-3 TSTKPL 300	Railloop	4,000	992K + 777F + D10T
	66.3	MA-3 TSTKPL 500	Maint/Admin	1,826	992K + 777F + D10T
	8.1	MA-3 TSTKPL 800	South Access	3,340	
	9.2	MA-4 TSTKPL 600	LR Access	8,033	
FACILITIES AREA TOPDRESSING CAT 16G SCARIFYING	277.0 acres		IN PLACE		16M GRADER

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
2024 Bond Proposal - Current Misc Rates
Permit Number 2020-01

FACILITIES AREA TOPDRESSING
HAUL VOLUMES

SECTION	VOLUME (BCY)	VOLUME (LCY)*	HAUL DIST (FT)	992K PROD (LCY/HR)	777F Cycle Time	777F'S USED	TOTAL 777F (HRS)	TOTAL 992K (HRS)
FACILITIES/Access	56,467	56,467	4,251	1,269	7.24	2.8	123.9	44.5
	171,497	171,497	7,259	1,269	8.93	3.4	463.9	135.1
	84,054	84,054	4,000	1,269	7.09	2.7	180.6	66.2
	106,964	106,964	1,826	1,269	5.86	2.3	189.9	84.3
	13,068	13,068	3,340	1,269	6.69	2.6	26.5	10.3
	14,843	14,843	8,033	1,269	9.41	3.6	42.3	11.7
	0	0	0	1,269	0.00	0.0	0.0	0.0
	0	0	0	1,269	0.00	0.0	0.0	0.0
	0	0	0	1,269	0.00	0.0	0.0	0.0
	0	0	0	1,269	0.00	0.0	0.0	0.0
TOTALS	446,892	446,892					1,027.2	352.2

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
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FACILITIES AREA TOPDRESSING
CAT 16M SCARIFYING

SECTION	VOLUME (BCY)	CONTOURING (AC)	SCARIFIER (AC)	16H or D10 SCARIFIER (AC/HR)	TOTAL SCARIFIER (HRS)	16M CONTOURING (AC/HR)	TOTAL CONTOURING (HRS)
FACILITIES 16M	56,467	0	277	2.56	108.2	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
				2.56	0	2.76	0
TOTALS	56,467	0	277		108.2		0

**SECTION III
REVEGETATION**

Revegetation Cost

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
2024 Bond Proposal - Current Misc Rates
Permit Number 2020-01

MA-1 Revegetation			
	Acres		
Pit Disturbance	352.1		
Haulroad Disturbance	61.5		
Pond Reclamation	60.0		
Previous Topsoil Non-revegetated Areas	0.0		
	Total Acres		
	473.6	Rate	
		\$ 1,000.00	<u>\$ 473,600.00</u>

MA-2 Revegetation			
	Acres		
Pit Disturbance	251.2		
Haulroad Disturbance	0.0		
Pond Reclamation	45.0		
Previous Topsoil Non-revegetated Areas	0.0		
	Total Acres		
	296.2	Rate	
		\$ 1,000.00	<u>\$ 296,200.00</u>

MA-3 Revegetation			
	Acres		
Pit Disturbance	133.9		
Haulroad Disturbance	143.2		
Pond Reclamation	95.0		
Previous Topsoil Non-revegetated Areas	0.0		
	Total Acres		
	372.1	Rate	
		\$ 1,000.00	<u>\$ 372,100.00</u>

MA-4 Revegetation			
	Acres		
Pit Disturbance	477.3		
Haulroad Disturbance	142.8		
Pond Reclamation	55.0		
Previous Topsoil Non-revegetated Areas	0.0		
	Total Acres		
	675.1	Rate	
		\$ 1,000.00	<u>\$ 675,100.00</u>

Revegetation Cost

Facilities Revegetation	
	Acres
Facilities Areas - Shop, Office, etc.	195.0
Access Road Disturbance	345.5
Previous Topsoil Non-revegetated Areas	0.0
Total Acres	540.5
	Rate
	\$ 1,000.00
	<u><u>\$ 540,500.00</u></u>
Total Revegetation Costs:	<u><u>\$ 2,357,500.00</u></u>

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
 2024 Bond Proposal - Current Misc Rates
 Permit Number 2020-01
 MA-1

MA-1

PONDS RECLAMATION DOZER PUSH

# of Ponds to reclaim	Pond Volume (Acre Feet)	Pond Area (Average) (Acres)	Area to be Revegetated (Acres) includes Pond Stockpile	Total Volume (LCY)	Average Dozer Push Length	Dozer Prod. LCY/HR	Dozer Hours Required
12	10	2.5	60	193,600	200	2,497	77.5

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
 2024 Bond Proposal - Current Misc Rates
 Permit Number 2020-01
 MA-2

MA-2

PONDS RECLAMATION DOZER PUSH

# of Ponds to reclaim	Pond Volume (Acre Feet)	Pond Area (Average) (Acres)	Area to be Revegetated (Acres) includes Pond Stockpile	Total Volume (LCY)	Average Dozer Push Length	Dozer Prod. LCY/HR	Dozer Hours Required
9	10	2.5	45	145,200	200	2,497	58.1

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
 2024 Bond Proposal - Current Misc Rates
 Permit Number 2020-01
 MA-3 (Includes Facilities)

MA-3

PONDS RECLAMATION DOZER PUSH

# of Ponds to reclaim	Pond Volume (Acre Feet)	Pond Area (Average) (Acres)	Area to be Revegetated (Acres) includes Pond Stockpile	Total Volume (LCY)	Average Dozer Push Length	Dozer Prod. LCY/HR	Dozer Hours Required
19	10	2.5	95	306,533	200	2,497	122.8

PEABODY NATURAL RESOURCES CO. / EL SEGUNDO MINE
 2024 Bond Proposal - Current Misc Rates
 Permit Number 2020-01
 MA-4

MA-4

PONDS RECLAMATION DOZER PUSH

# of Ponds to reclaim	Pond Volume (Acre Feet)	Pond Area (Average) (Acres)	Area to be Revegetated (Acres) includes Pond Stockpile	Total Volume (LCY)	Average Dozer Push Length	Dozer Prod. LCY/HR	Dozer Hours Required
11	10	2.5	55	177,467	200	2,497	71.1

SECTION IV
All Mining Areas

PHASE I (CIVIL MODULE-SURFACE-VOLUME BY TRIANGULATION-TWO TRIANGULATION SURFACE VOLUMES)															
MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	SPDZP	MA1_SPDZP_01	1,229,503	1,204,579	1	1,229,503	24,924	0	1,204,579	0	0	0	0	0	342
MA1	HWDZP	MA1_HWDZP_01	133,088	191,154	1.25	166,360	(24,794)	191,154	0	0	0	0	0	0	153
MA2	HWDZP	MA2_HWDZP_01	2,018,759	2,579,878	1.25	2,523,449	(56,429)	2,579,878	0	0	0	0	0	0	249
MA3	HWDZP	MA3_HWDZP_01	873,261	1,170,901	1.25	1,091,576	(79,325)	1,170,901	0	0	0	0	0	0	279
MA4	HWDZP	MA4_HWDZP_01	5,857,299	7,335,482	1.25	7,321,624	(13,858)	7,335,482	0	0	0	0	0	0	263
					1	0	0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	0	0	
					1	0	0	0	0	0	0	0	0	0	
		Sub	10,111,910	12,481,994		12,332,512	(149,482)	11,277,415	1,204,579	0	0	0	0	0	
PHASE II															
MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	SPDZP	MA1_SPDZP_02	1,302,580	1,216,179	1	1,302,580	86,401	0	1,216,179	0	0	0	0	0	277
MA1	SPDZP	MA1_SPDZP_03	38,703	55,008	1	38,703	(16,305)	0	55,008	0	0	0	0	0	221
MA2	HWDZP	MA2_HWDZP_02	150,293	218,468	1.25	187,866	(30,602)	218,468	0	0	0	0	0	0	246
MA2	SPDZP	MA2_SPDZP_01	673,721	823,258	1	673,721	(149,537)	0	823,258	0	0	0	0	0	294
MA3	HWFEL	MA3_HWFEL_01	670,020	887,054	1.25	837,525	(49,529)	0	0	887,054	0	0	0	0	1170
MA4	SPDZP	MA4_SPDZP_01	818,034	776,053	1	818,034	41,981	0	776,053	0	0	0	0	0	323
MA4	SPDZP	MA4_SPDZP_02	548,485	550,014	1	548,485	(1,529)	0	550,014	0	0	0	0	0	287
					1	0	0	0	0	0	0	0	0	0	
		Sub	4,201,836	4,526,034		4,406,914	(119,120)	218,468	3,420,512	887,054	0	0	0	0	
PHASE III															
MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	HWFEL	MA1_HWFEL_01	1,718,239	2,317,855	1.25	2,147,799	(170,056)	0	0	2,317,855	0	0	0	0	3,732
MA1	SPDZP	MA1_SPDZP_04	56,797	64,666	1	56,797	(7,869)	0	64,666	0	0	0	0	0	207
MA2	SPFEL	MA2_SPFEL_01	277,712	293,553	1	277,712	(15,841)	0	0	0	293,553	0	0	0	2,434
MA3	HWDZP	MA3_HWDZP_02	48,164	96,586	1.25	60,205	(36,381)	96,586	0	0	0	0	0	0	273
MA3	HWDZP	MA3_HWDZP_03	52,314	61,248	1.25	65,393	4,145	61,248	0	0	0	0	0	0	304
MA4	SPDZP	MA4_SPDZP_03	250,142	274,372	1	250,142	(24,230)	0	274,372	0	0	0	0	0	329
MA4	SPDZP	MA4_SPDZP_04	516,625	548,637	1	516,625	(32,012)	0	548,637	0	0	0	0	0	294
					1	0	0	0	0	0	0	0	0	0	
		Sub	2,919,993	3,656,917		3,374,672	(282,245)	157,834	887,675	2,317,855	293,553	0	0	0	
PHASE IV															
MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	SPDZP	MA1_SPDZP_05	265,803	252,239	1	265,803	13,564	0	252,239	0	0	0	0	0	285
MA1	SPDZP	MA1_SPDZP_06	69,663	69,182	1	69,663	481	0	69,182	0	0	0	0	0	278
MA1	SPDZP	MA1_HWDZP_02	18,889	10,889	1	18,889	8,000	0	10,889	0	0	0	0	0	104
MA2	HWFEL	MA2_HWFEL_01	716,877	708,633	1.25	896,096	187,463	0	0	708,633	0	0	0	0	3,537
MA3	SPDZP	MA3_SPDZP_01	211,479	305,423	1	211,479	(93,944)	0	305,423	0	0	0	0	0	362
MA3	SPDZP	MA3_SPDZP_02	171,388	140,514	1	171,388	30,874	0	140,514	0	0	0	0	0	324
MA4	SPDZP	MA4_SPDZP_05	309,603	284,741	1	309,603	24,862	0	284,741	0	0	0	0	0	311
MA4	SPDZP	MA4_SPDZP_06	1,004,696	1,024,822	1	1,004,696	(20,126)	0	1,024,822	0	0	0	0	0	279
MA4	SPDZP	MA4_SPDZP_07	143,766	171,879	1	143,766	(28,113)	0	171,879	0	0	0	0	0	208
					1	0	0	0	0	0	0	0	0	0	
		Sub	2,912,164	2,968,322		3,091,383	123,061	0	2,259,689	708,633	0	0	0	0	

PHASE V

MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	SPDZP	MA1_SPDZP_07		7,348	5,098	1	7,348	2,250	0	5,098	0	0	0	0	91
MA2	HWDZP	MA2_HWDZP_03	119,216	171,503	1.25	149,020	(22,483)	171,503	0	0	0	0	0	0	317
MA2	HWFEL	MA2_HWFEL_01	1,712,613	1,772,329	1.25	2,140,766	368,437	0	0	1,772,329	0	0	0	0	3,019
MA4	SPDZP	MA4_SPDZP_08	72,437	60,092	1	72,437	12,345	0	60,092	0	0	0	0	0	224
MA4	HWDZP	MA4_HWDZP_02	957,252	1,129,060	1.25	1,196,565	67,505	1,129,060	0	0	0	0	0	0	402
						1	0	0	0	0	0	0	0	0	
						1	0	0	0	0	0	0	0	0	
						1	0	0	0	0	0	0	0	0	
						1	0	0	0	0	0	0	0	0	
		Sub	2,868,866	3,138,082		3,566,136	428,054	1,300,563	65,190	1,772,329	0	0	0	0	

PHASE VI

MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	HWFEL	MA1_HWFEL_02	501,494	703,246	1.25	626,868	(76,379)	0	0	703,246	0	0	0	0	3,621
MA2	HWDZP	MA2_HWDZP_04	386,773	508,000	1.25	483,466	(24,534)	508,000	0	0	0	0	0	0	308
MA2	HWDZP	MA2_SPFEL_02	635,885	668,916	1.25	794,856	125,940	668,916	0	0	0	0	0	0	738
MA4	HWDZP	MA4_HWDZP_03	246,466	277,472	1.25	308,083	30,611	277,472	0	0	0	0	0	0	247
MA4	HWFEL	MA4_HWFEL_01	100,621	791,642	1.25	125,776	(665,866)	0	0	791,642	0	0	0	0	3,221
		Sub	1,871,239	2,949,276		2,339,049	(610,227)	1,454,388	0	1,494,888	0	0	0	0	

PHASE VII

MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA1	HWDZP	MA1_HWDZP_03	210,475	269,845	1.25	263,094	(6,751)	269,845	0	0	0	0	0	0	242
MA2	SPDZP	MA2_SPDZP_02	137,521	131,079	1	137,521	6,442	0	131,079	0	0	0	0	0	290
MA4	HWFEL	MA4_HWFEL_02	519,646	507,156	1.25	649,558	142,402	0	0	507,156	0	0	0	0	1,474
MA4	HWDZP	MA4_HWDZP_04	55,830	65,294	1.25	69,788	4,494	65,294	0	0	0	0	0	0	344
MA4	SPDZP	MA4_SPDZP_09	59,423	30,172	1	59,423	29,251	0	30,172	0	0	0	0	0	251
		Sub	982,895	1,003,546		1,179,383	175,837	335,139	161,251	507,156	0	0	0	0	

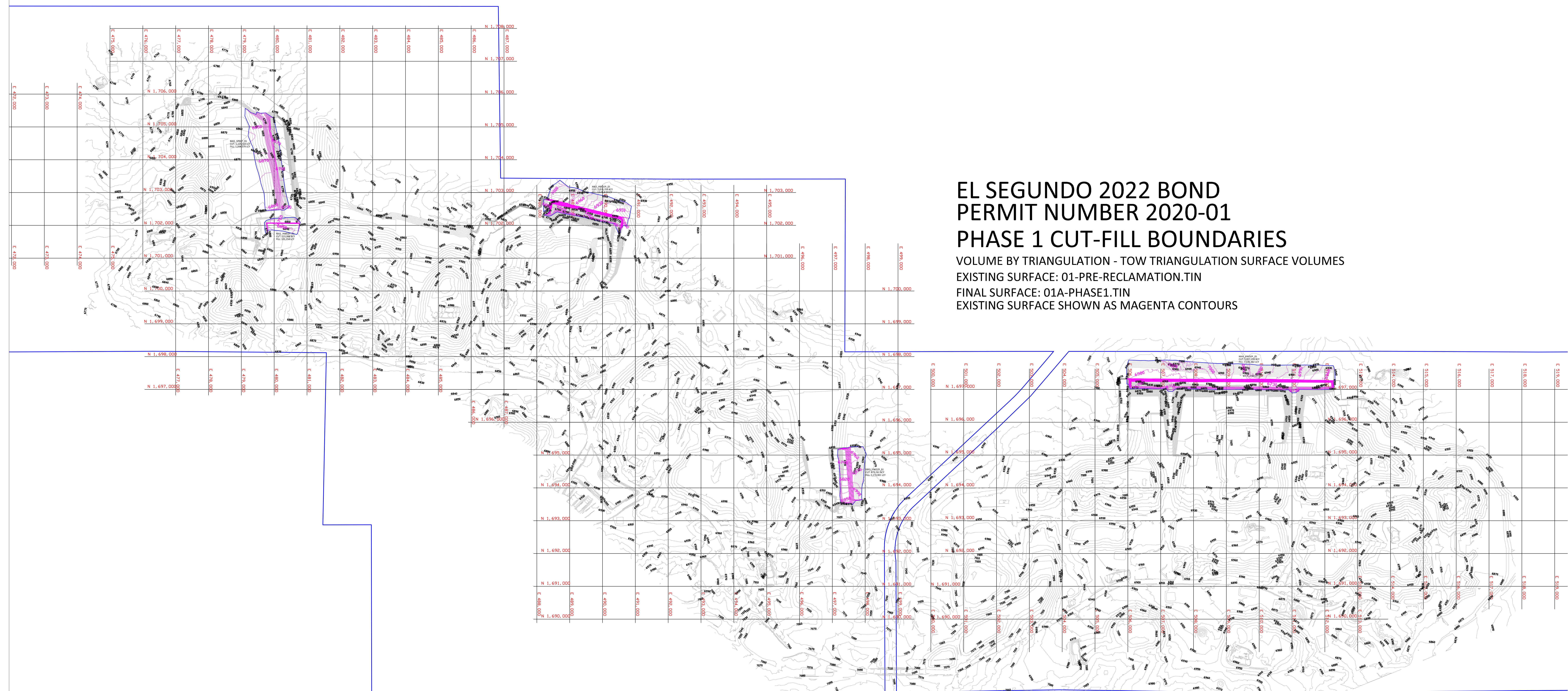
PHASE VIII

MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA4	HWDZP	MA4_HWDZP_05	235,525	268,936	1.25	294,406	25,470	268,936	0	0	0	0	0	0	355
MA4	SPFEL	MA4_SPFEL_01	612,959	709,128	1	612,959	(96,169)	0	0	0	709,128	0	0	0	965
						1	0	0	0	0	0	0	0	0	
		Sub	848,484	978,064		907,365	(70,699)	268,936	0	0	709,128	0	0	0	

PHASE IX

MA	EQ	SOLID NAME	C	F	Swell	C-Swelled	C-F Balance	D11 HW	D11 SP	FEL HW	FEL SP	Import	Import	DZP DIST (ft)	HAUL DIST (ft)
MA4	HWDZP	MA4_HWDZP_06	33,668	60,684	1.25	42,085	(18,599)	60,684	0	0	0	0	0	0	285
MA4	SPDZP	MA4_SPDZP_10	11,671	13,001	1	11,671	(1,330)	0	13,001	0	0	0	0	0	165
MA4	SPDZP	MA4_SPDZP_11	200,208	199,427	1	200,208	781	0	199,427	0	0	0	0	0	160
		Sub	245,547	273,112		253,964	(19,148)	60,684	212,428	0	0	0	0	0	
			26,962,934	31,975,347		31,451,379	(523,969)	15,073,427	8,211,324	7,687,915	1,002,681	0	0	0	

	D11 HW	D11SS	LOADER	HW Dozer Push			SS Dozer Push			Loader				
				Avg. Push (ft)	D11 Prod'y	D11 Hours	Avg. Push	D11 Prod'y	D11 Hours	Avg. Haul	992 Hours	Cycle	777 Fleet	777 Hours
MA1	460,999	2,877,840	3,021,101	205	1,636	282	301	1,772	1,624	3,706	2,381	6.91	2.7	6,326
MA2	4,146,765	954,337	2,774,515	219	1,558	2,661	293	1,816	525	3,089	2,186	6.55	2.5	5,506
MA3	1,328,735	445,937	887,054	280	1,265	1,051	350	1,562	285	1,170	699	5.43	2.1	1,461
MA4	9,136,928	3,933,210	2,007,926	279	1,268	7,205	277	1,910	2,059	1,611	1,582	5.72	2.2	3,480



**EL SEGUNDO 2022 BOND
PERMIT NUMBER 2020-01
PHASE 1 CUT-FILL BOUNDARIES**

VOLUME BY TRIANGULATION - TOW TRIANGULATION SURFACE VOLUMES
EXISTING SURFACE: 01-PRE-RECLAMATION.TIN
FINAL SURFACE: 01A-PHASE1.TIN
EXISTING SURFACE SHOWN AS MAGENTA CONTOURS

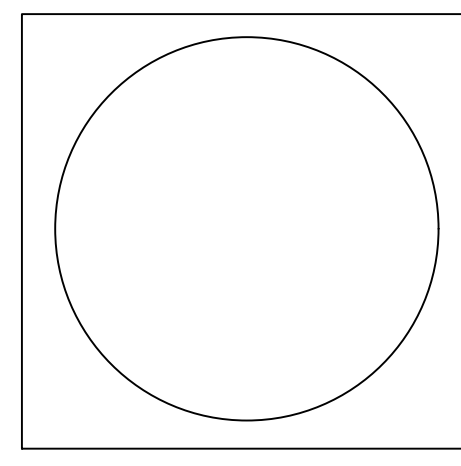
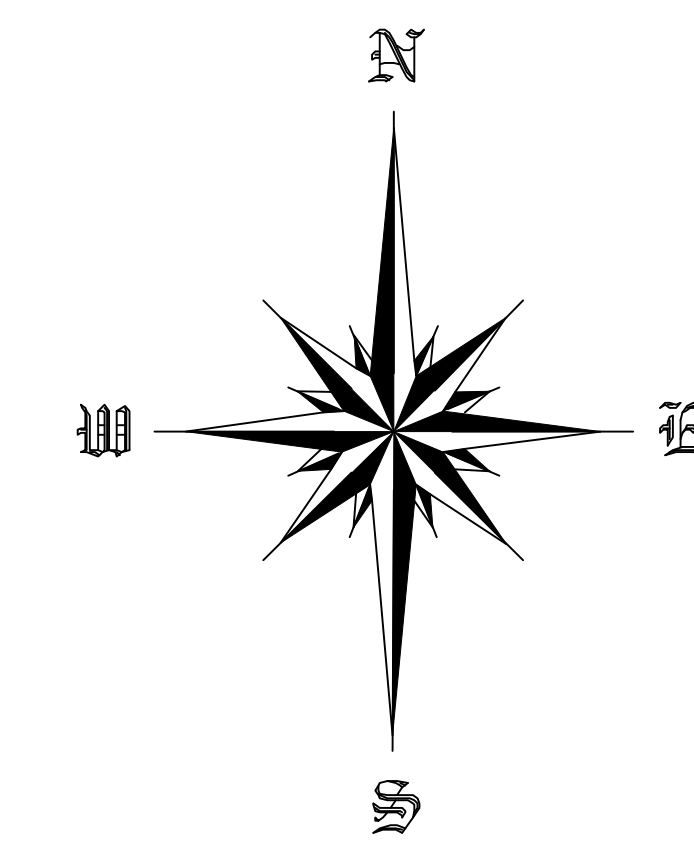
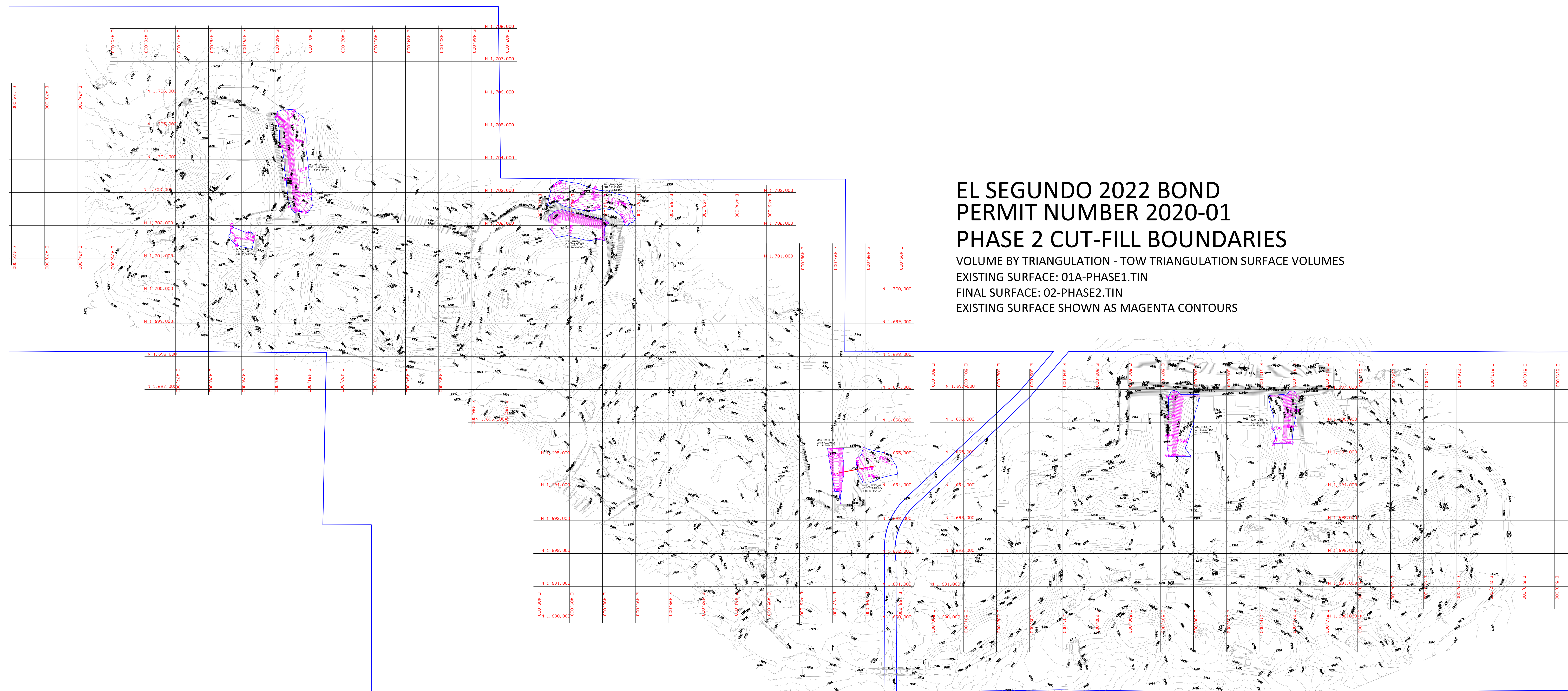


Figure 2



 EL SEGUNDO MINE McKinley County, New Mexico	
Phase 1 Reclamation Volume Map 2022 El Segundo Bond Proposal Figure 2 Permit No. 2020-01	
DATE: 8/18/2022 SCALE: 1" = 1000'	DRAWN BY: CJS CHECKED BY: CJS
PEABODY NATURAL RESOURCES COMPANY P.O. BOX 757 GRANTS, NM 87020	



**EL SEGUNDO 2022 BOND
PERMIT NUMBER 2020-01
PHASE 2 CUT-FILL BOUNDARIES**
 VOLUME BY TRIANGULATION - TOW TRIANGULATION SURFACE VOLUMES
 EXISTING SURFACE: 01A-PHASE1.TIN
 FINAL SURFACE: 02-PHASE2.TIN
 EXISTING SURFACE SHOWN AS MAGENTA CONTOURS

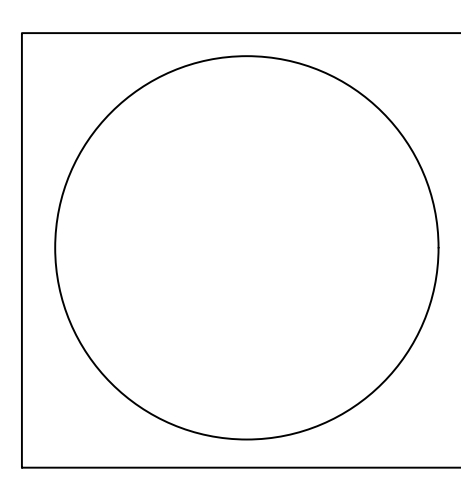
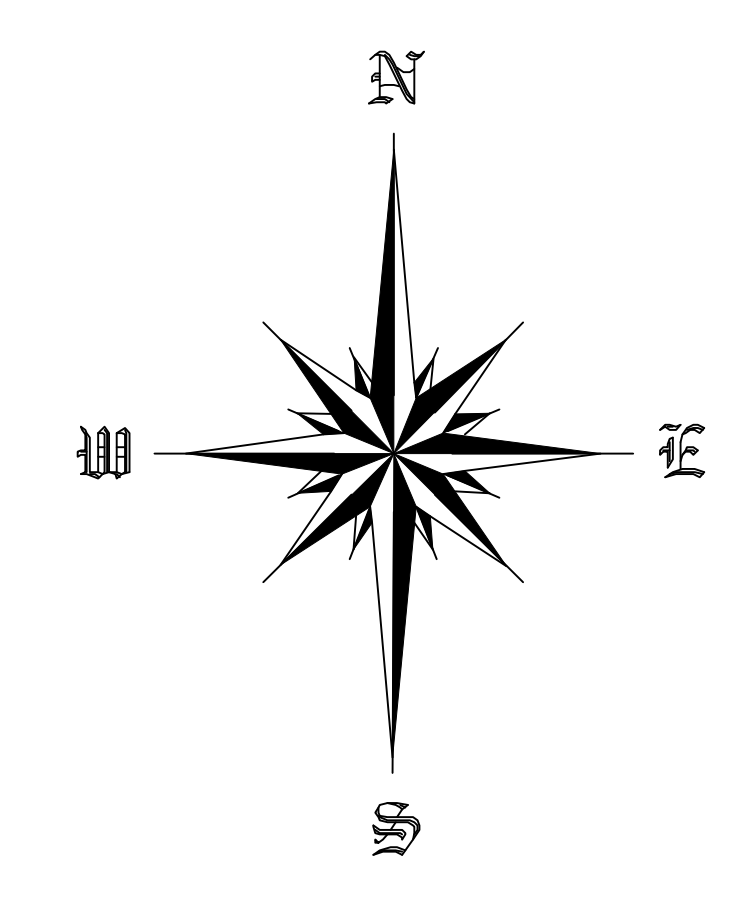
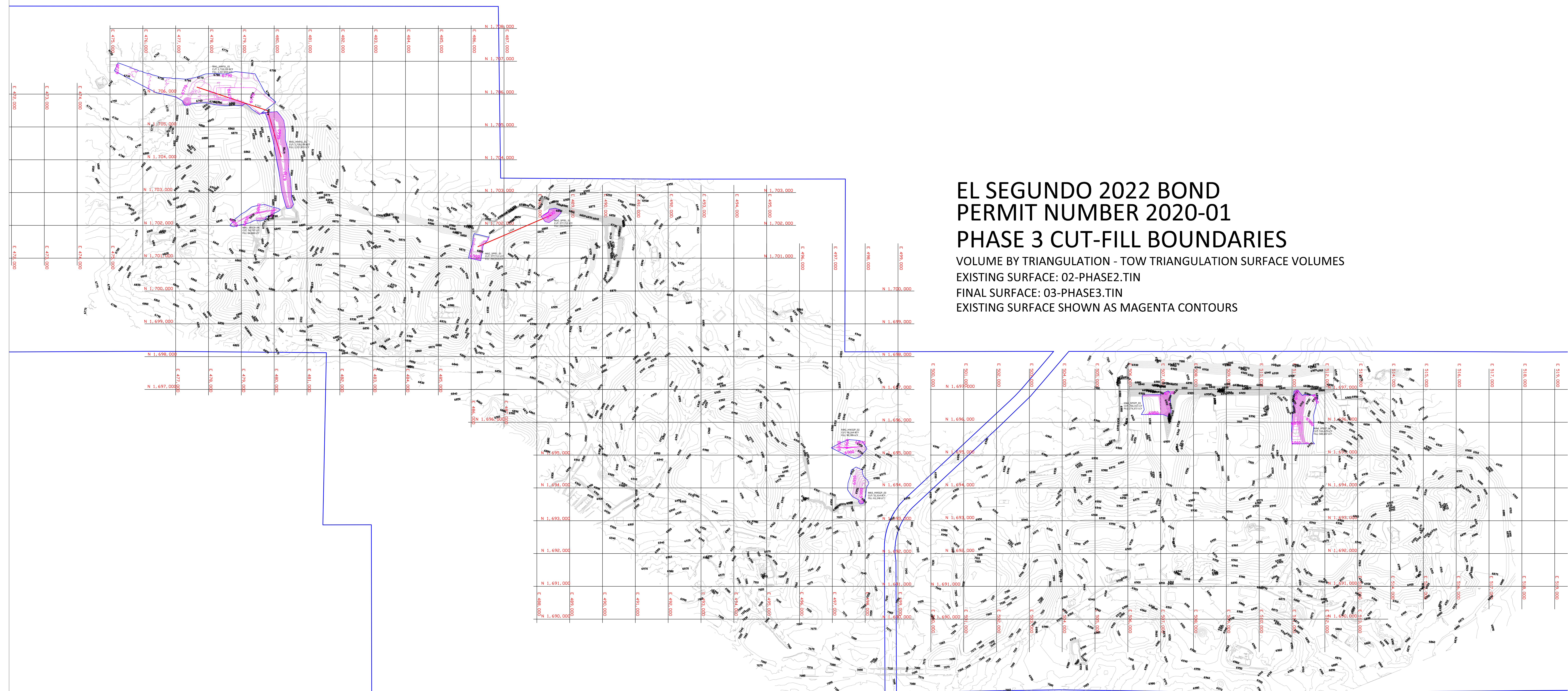


Figure 3



 EL SEGUNDO MINE McKinley County, New Mexico Phase 2 Reclamation Volume Map 2022 El Segundo Bond Proposal Figure 3 Permit No. 2020-01	
DATE: 8/18/2022 SCALE: 1" = 1000'	DRAWN BY: CJS CHECKED BY: CJS
PEABODY NATURAL RESOURCES COMPANY P.O. BOX 757 GRANTS, NM 87020	



**EL SEGUNDO 2022 BOND
PERMIT NUMBER 2020-01
PHASE 3 CUT-FILL BOUNDARIES**

VOLUME BY TRIANGULATION - TOW TRIANGULATION SURFACE VOLUMES
EXISTING SURFACE: 02-PHASE2.TIN
FINAL SURFACE: 03-PHASE3.TIN
EXISTING SURFACE SHOWN AS MAGENTA CONTOURS

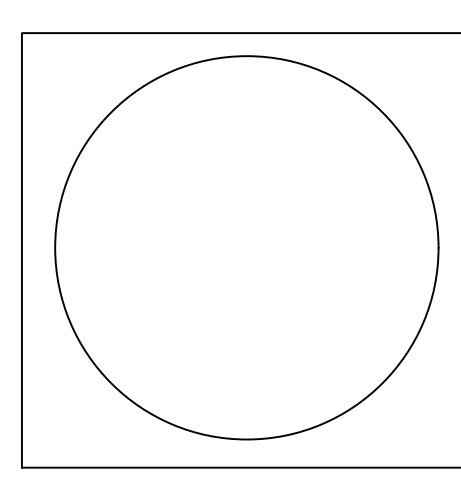
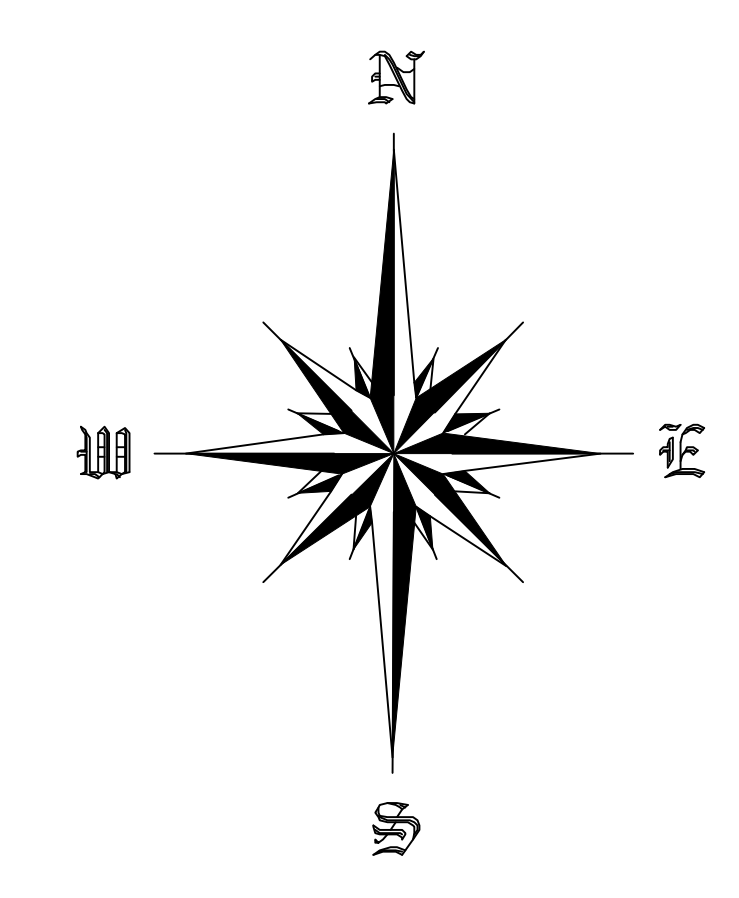
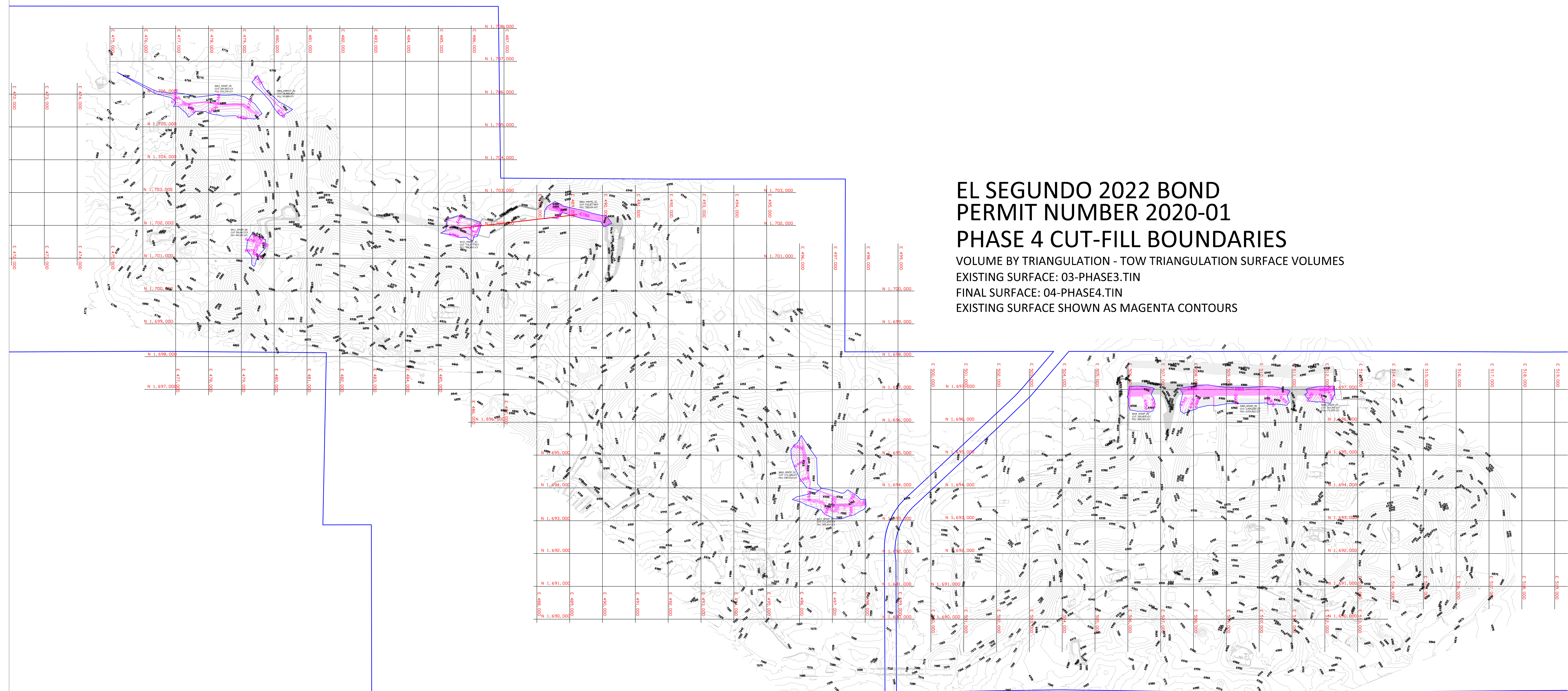


Figure 4



 EL SEGUNDO MINE McKinley County, New Mexico	
Phase 3 Reclamation Volume Map 2022 El Segundo Bond Proposal Figure 4 Permit No. 2020-01	
DATE: 8/18/2022 SCALE: 1" = 1000'	DRAWN BY: CJS CHECKED BY: CJS
PEABODY NATURAL RESOURCES COMPANY P.O. BOX 757 GRANTS, NM 87020	



**EL SEGUNDO 2022 BOND
PERMIT NUMBER 2020-01
PHASE 4 CUT-FILL BOUNDARIES**

VOLUME BY TRIANGULATION - TOW TRIANGULATION SURFACE VOLUMES
EXISTING SURFACE: 03-PHASE3.TIN
FINAL SURFACE: 04-PHASE4.TIN
EXISTING SURFACE SHOWN AS MAGENTA CONTOURS

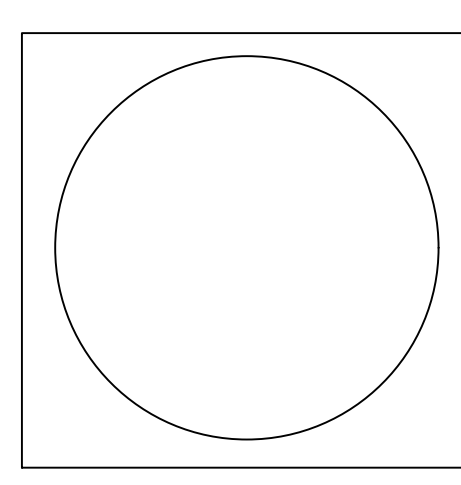
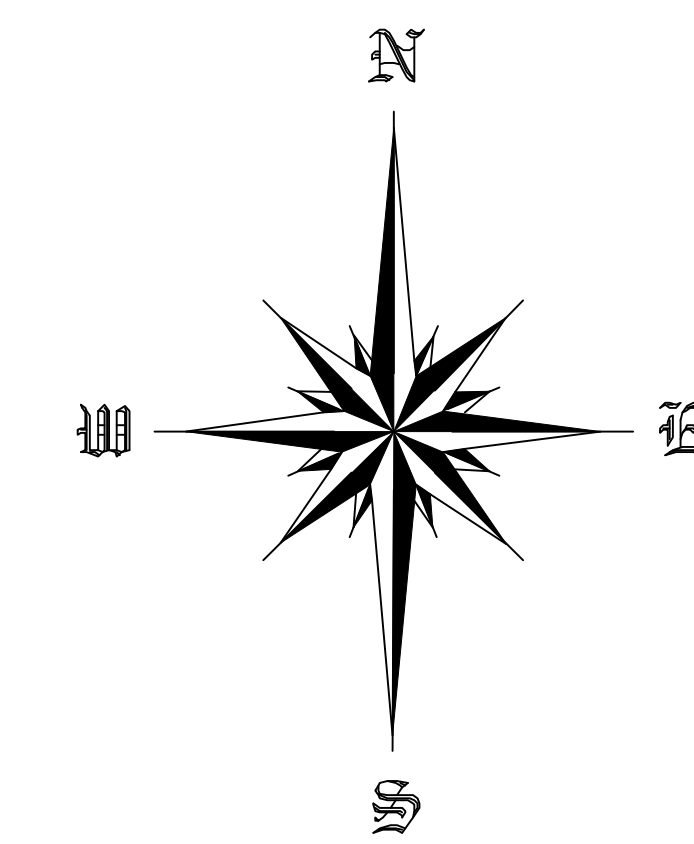


Figure 5



 EL SEGUNDO MINE McKinley County, New Mexico	
Phase 4 Reclamation Volume Map 2022 El Segundo Bond Proposal Figure 5 Permit No. 2020-01	
DATE: 8/18/2022 SCALE: 1" = 1000'	DRAWN BY: CJS CHECKED BY: CJS
PEABODY NATURAL RESOURCES COMPANY P.O. BOX 757 GRANTS, NM 87020	