

**LEGEND:**

- PROJECT BOUNDARY
- EXISTING FENCELINE
- AREA LIMITS
- 100' OFFSET FROM ESHA
- ESHA OUTSIDE PROJECT BOUNDARY (SHOWN FOR INFORMATION ONLY)
- UNDISTURBED ESHA (ORANGE)
- DISTURBED ESHA (ORANGE/ GREEN OVERLAP) SEE TABLE BELOW, THIS SHEET
- EXISTING DISTURBED (GREEN)
- EXTENT OF OPERATIONAL COKE STOCKPILE IN ESHA, WITHIN FENCELINE

- GENERAL NOTES:**
- AS INDICATED ON PLANS, SOME ROADWAYS INCLUDE A 10' SHOULDER THAT WILL BE DISTURBED ESHA AREA.
  - TOTAL POTENTIAL AREA OF DISTURBANCE = **177.26** ACRES
  - AREAS OF POTENTIAL GROUND DISTURBANCE ARE PRELIMINARY FOR PLANNING PURPOSES. ACTUAL DISTURBANCE LOCATIONS WILL BE DETERMINED DURING SITE CHARACTERIZATION.

**DISTURBED ESHA BREAKDOWN:**

LOCATION	ACRES
	0.11
	4.63
	0.33
	0.27
	0.10
	2.40
	0.34
	0.03
	0.06
	16.87
	0.47
	0.05
	0.85
<b>TOTAL AREA</b>	<b>26.51</b>

1. "AREA MISC" INCLUDES ADJACENT TO ROADWAYS AT VARIOUS LOCATIONS.

CIVIL AND TRANSPORTATION ENGINEERING  
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 WATER RESOURCES

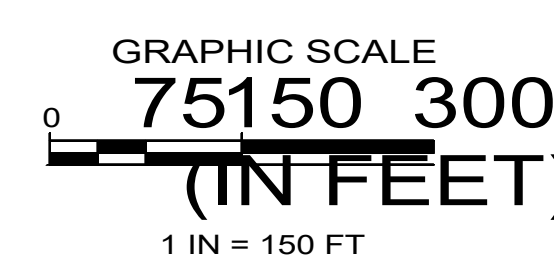
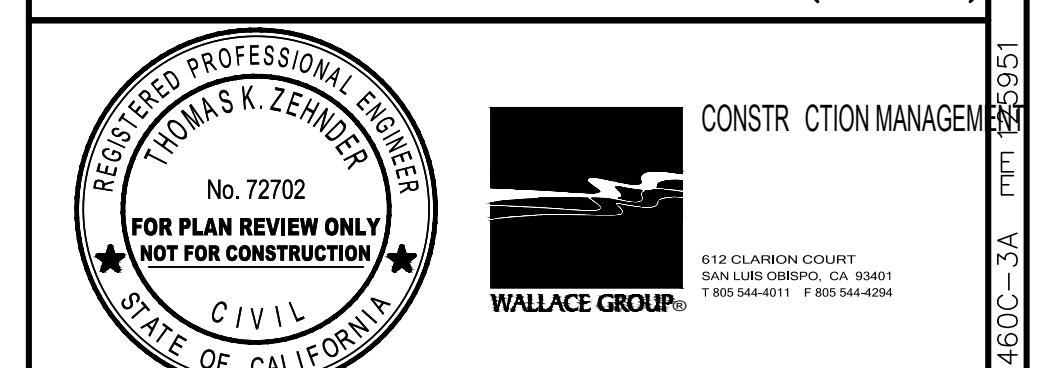
REV	DATE	DESCRIPTION	CHECKED	APPROVED
4	10-13-23	UPDATED PROJECT INFORMATION	TKZ	JOA
3	09-20-23	UPDATED PROJECT INFORMATION	TKZ	JOA
2	09-07-23	UPDATED PROJECT INFORMATION	TKZ	JOA
1	08-22-23	UPDATED FOR PERMITTING	TKZ	JOA
0	02-15-23	ISSUE FOR PERMITTING	TKZ	JOA

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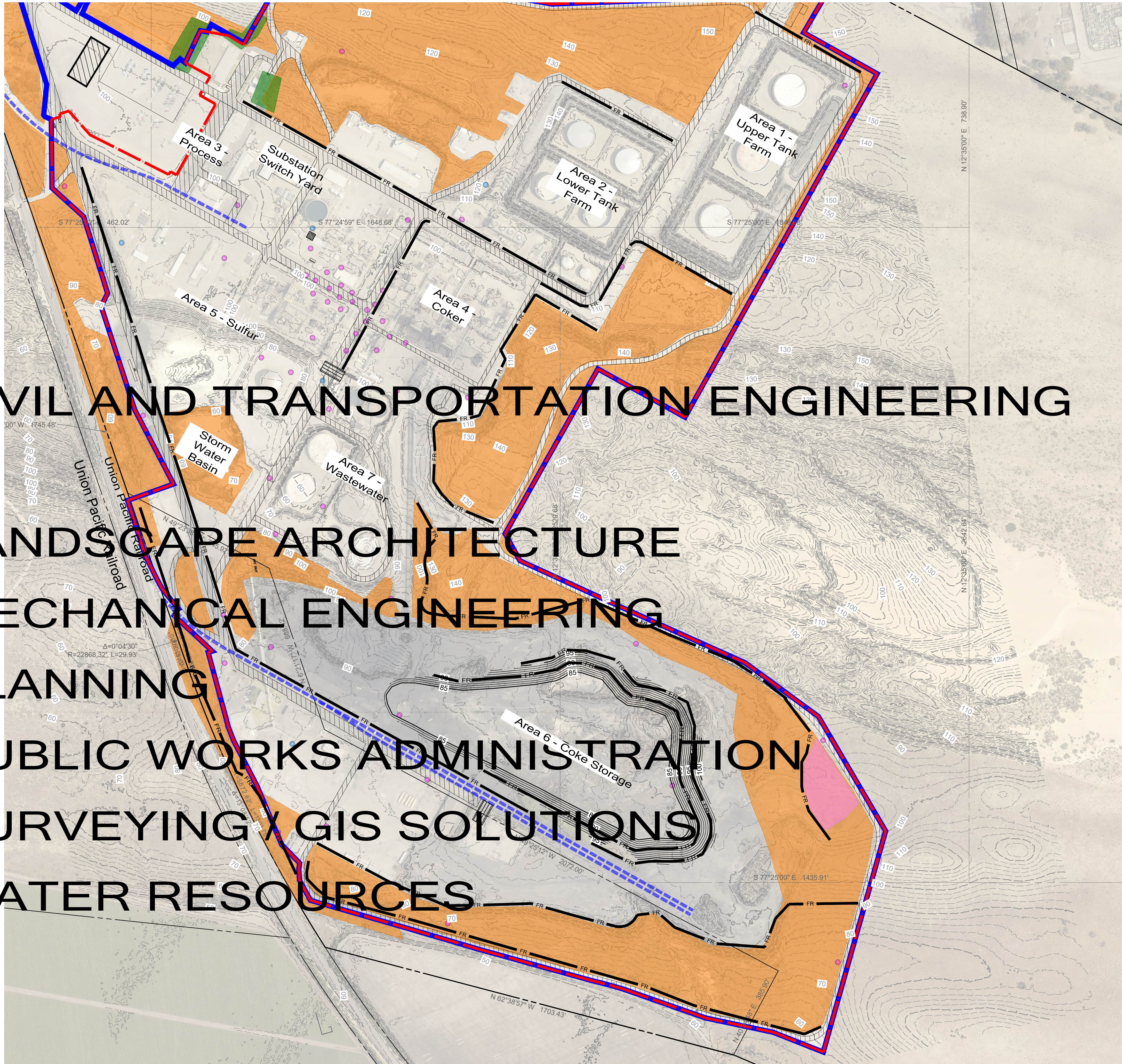
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BY: _____ DATE: _____	CHECKED: _____ APPROVED: _____
DESIGNED: RMS DRAWN: RMS	CHECKED: TKZ APPROVED: JOA



PHILLIPS 66 - SANTA MARIA REFINERY  
 POST REMEDIATION PRELIMINARY GRADING PLAN  
 AREA OF SITE DISTURBANCE PLAN(SOUTH)



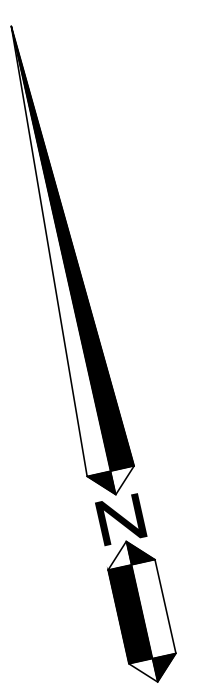
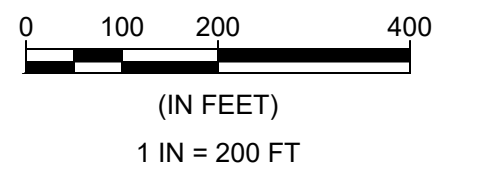
SCALE	DRAWING NUMBER	REVISION
AS SHOWN	EIR-GP-EXT-017A	4
DATE	PROPOSED PROJECT	
09/20/23		



**EROSION CONTROL NOTES**

1. SEDIMENT AND EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP) SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND SHALL INCLUDE: POLLUTANT SOURCE CONTROL, PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF ALL DISTURBED AREAS, PROTECTION OF SITE ACCESS POINTS, AND PERIMETER CONTAINMENT MEASURES.
2. APPROPRIATE BMP SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF GRADING AND SITE DISTURBANCE ACTIVITIES. THE INTENT OF THE BMP SHALL BE TO PREVENT DISTURBED SEDIMENT FROM ENTERING DRAINAGE CONVEYANCES, GENERATING FUGITIVE DUST, OR MIGRATING ONTO ADJACENT PROPERTIES OR THE PUBLIC RIGHT-OF-WAY.
3. SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL BMP AND EROSION CONTROL MEASURES SHALL BE CONDUCTED AND DOCUMENTED THROUGHOUT CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAIN EVENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL BMP AS SPECIFIED BY THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE BY THE COUNTY OR UNTIL THE CALIFORNIA CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGE NOTICE OF TERMINATION IS APPROVED BY THE STATE WATER RESOURCES CONTROL BOARD.
5. EROSION CONTROL BMP MAY BE RELOCATED, MODIFIED, OR ADDED DEPENDING ON FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION. ADDITIONAL BMP SHALL BE INSTALLED AT THE DISCRETION OF THE SITE SUPERINTENDENT, ENGINEER OF WORK, COUNTY INSPECTOR, QUALIFIED SWPPP PRACTITIONER (QSP), OR STATE WATER RESOURCES CONTROL BOARD. GUIDELINES FOR INSTALLING APPROPRIATE EROSION CONTROL DEVICES SHALL BE INCLUDED IN THE PLANS WITH ADDITIONAL MEASURES/DEVICES NOTED.
6. SEDIMENT AND EROSION CONTROL BMP SHALL BE AVAILABLE, INSTALLED, AND/OR APPLIED PRIOR TO COMMENCEMENT OF CONSTRUCTION, INSTALLED APPROPRIATELY AS CONSTRUCTION PROGRESSES, AND MAINTAINED IN OPERABLE CONDITION UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. SEDIMENT AND EROSION CONTROL BMP ARE REQUIRED YEAR-ROUND.
7. WET WEATHER PREPARATION: THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE TO REVIEW THE CONDITION OF THE PROJECT SITE PRIOR TO OCTOBER 15 (RAINY SEASON) AND TO COORDINATE AN ENHANCED BMP IMPLEMENTATION PLAN FOR WET WEATHER CONDITIONS. A LOCALLY BASED STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 15 THROUGH APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCK PILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID MAINTENANCE OR REPAIR OF THE BMP THROUGHOUT THE RAINY SEASON.
8. IN THE EVENT OF A FAILURE, THE DEVELOPER AND/OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR CLEANUP AND ALL ASSOCIATED COSTS OR DAMAGE. IN THE EVENT THAT DAMAGE OCCURS WITHIN THE RIGHT-OF-WAY AND THE COUNTY IS REQUIRED TO PERFORM CLEANUP, THE OWNER SHALL BE RESPONSIBLE FOR COUNTY REIMBURSEMENT OF ALL ASSOCIATED COSTS OR DAMAGE.
9. IN THE EVENT OF REPEATED FAILURE AND/OR LACK OF PERFORMANCE BY THE DEVELOPER AND/OR CONTRACTOR TO CORRECT SEDIMENT AND EROSION CONTROL RELATED PROBLEMS, THE DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS. THE COUNTY MAY ISSUE A WRITTEN NOTICE OR STOP WORK ORDER IN ACCORDANCE WITH THE LAND USE ORDINANCE. DAILY PENALTIES MAY BE ASSESSED BY COUNTY CODE ENFORCEMENT FOR FAILURE TO COMPLY.
10. THE COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) MAY HAVE ADDITIONAL PROJECT SPECIFIC EROSION CONTROL REQUIREMENTS. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE FOR MAINTAINING SELF-REGULATION OF THESE REQUIREMENTS.
11. IF CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGE ENROLLMENT IS NECESSARY, THE DEVELOPER (OR LEGALLY RESPONSIBLE AGENT) SHALL SUBMIT THE REQUIRED PERMIT REGISTRATION DOCUMENTS TO THE STATE WATER RESOURCES CONTROL BOARD AND PROVIDE PROOF OF ENROLLMENT TO THE COUNTY PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE PROJECT WASTE DISCHARGE IDENTIFICATION NUMBER (WDID#) IS: TBD.

**GRAPHIC SCALE**



CIVIL AND TRANSPORTATION ENGINEERING

LANDSCAPE ARCHITECTURE

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**REFERENCE NOTES**

SYMBOL	TEMPORARY EROSION CONTROL
101	FIBER ROLL PER CALTRANS BMP SC-5 AND T56, SHEET C-8.1. INSTALL PER FIBER ROLL INSTALLATION GUIDELINES TABLE SHEET 018A
102	TEMPORARY DRAINAGE INLET PROTECT TYPE 3B PER CALTRANS BMP SC-10 AND T62, SHEET C-8.1
103	TEMPORARY CONSTRUCTION ENTRANCE PER CALTRANS T58, SHEET C-8.1
104	TEMPORARY CONSTRUCTION STAGING AREA (EQUIPMENT, STORAGE, HAZARDOUS MATERIALS, WASTE, AND STOCKPILES) PER DETAIL 1, SHEET C-8.1
105	TEMPORARY FENCE (SILT FENCE) PER CALTRANS BMP T51, SHEET C-8.1

**FIBER ROLL INSTALLATION GUIDELINES**

SLOPE PERCENTAGE	SHEET FLOW LENGTH NOT TO EXCEED
0%-25%	20 FEET
25%-50%	15 FEET
>50%	10 FEET

**CONSTRUCTION NOTES:**

1. ALL NON-LANDSCAPED FINISHED-GRADE DISTURBED AREAS ARE TO BE HYDRO-SEEDED AS SOON AS POSSIBLE, FOR PERMANENT EROSION CONTROL, AND TO ENSURE ADEQUATE STABILIZATION (VEGETATION) COVER IN ORDER TO QUALIFY FOR RELEASE FROM STATE SWPPP PERMIT VIA A NOTICE OF TERMINATION (NOT) AT THE END OF THE PROJECT.

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ISSUED FOR CONSTRUCTION	CUSTOMER APPROVAL
BY: _____ DATE: _____	BY: _____ DATE: _____
DESIGNED: RMS	DRAWN: RMS
CHECKED: TKZ	APPROVED: JOA

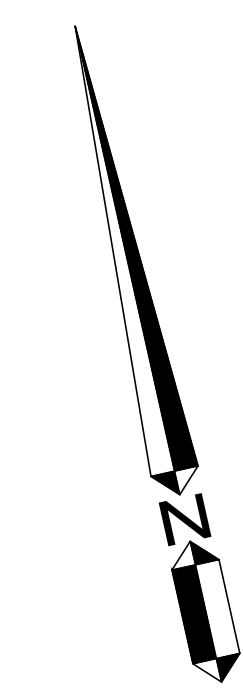
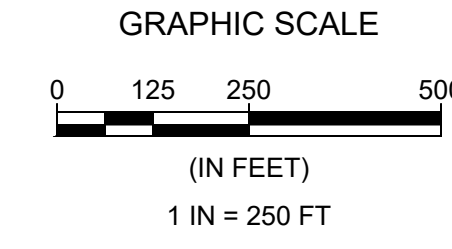


PHILLIPS 66 - SANTA MARIA REFINERY  
POST REMEDIATION PRELIMINARY GRADING PLAN  
PRELIMINARY EROSION CONTROL PLAN - PROP. GRADING

REGISTERED PROFESSIONAL ENGINEER  
THOMAS K. ZENDER  
No. 72702  
FOR PLAN REVIEW ONLY  
NOT FOR CONSTRUCTION  
CIVIL  
STATE OF CALIFORNIA

CONSTRUCTION MANAGEMENT  
WALLACE GROUP  
810 CLARION COUNTY  
SAN LUIS OBISPO, CA 94901  
805 544-0111 F 805 544-0261

SCALE	DRAWING NUMBER	REVISION
AS SHOWN	EIR-GP-EXT-018A	4
DATE: 09/20/23	PROPOSED PROJECT	



**LEGEND:**

- PROJECT BOUNDARY
- EXISTING FENCELINE
- ESHA OUTSIDE PROJECT BOUNDARY (SHOWN FOR INFORMATION ONLY).
- VEGETATION UNMAPPED ESHA AREA
- ASPHALT SURFACED ROADS & PARKING AREAS
- CONCRETE OR STRUCTURES ON CONCRETE
- BASE/ ASPHALT SLURRY SURFACES
- NATIVE SOIL (NON-ESHA)
- NATIVE SOIL BORROW PIT AREA (NON-ESHA)

**REFINERY AREA BREAKDOWN: POST-REMEDATION**

AREA TYPE	AREA LOCATION	
	INSIDE FENCELINE (AC)	OUTSIDE FENCELINE (AC)
ASPHALT SURFACED ROADS AND PARKING AREAS	40.73	6.39
CONCRETE SURFACED OR REMAINING STRUCTURES ON CONCRETE SLAB	15.30	0.00
BASE/ASPHALT SLURRY SURFACED	46.00	3.13
VEGETATION (UNMAPPED ESHA)	67.37	N/A
NATIVE SOIL (NON-ESHA)	23.16	N/A
NATIVE SOIL BORROW PIT AREA (NON-ESHA)	15.66	N/A
<b>SUBTOTAL</b>	<b>208.22</b>	<b>9.52</b>
<b>TOTAL AREA WITHIN PROJECT BOUNDARY</b>	<b>217.74</b>	

**NOTES:**

1. HARDSCAPE OUTSIDE FENCELINE INCLUDES PARKING LOT AND ROAD HIGHWAY 1.
2. AREA 6 ACREAGE BREAKDOWN
  - 2.1. HARDSCAPE = 16.80 AC
  - 2.2. NON-HARDSCAPE = 62.63 AC
3. ESHA AREAS THAT MAY BE DISTURBED DURING REMEDIATION ARE SHOWN AND RESTORED TO ESHA.

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2	10-31-23	UPDATED PROJECT INFORMATION	TKZ	JOA
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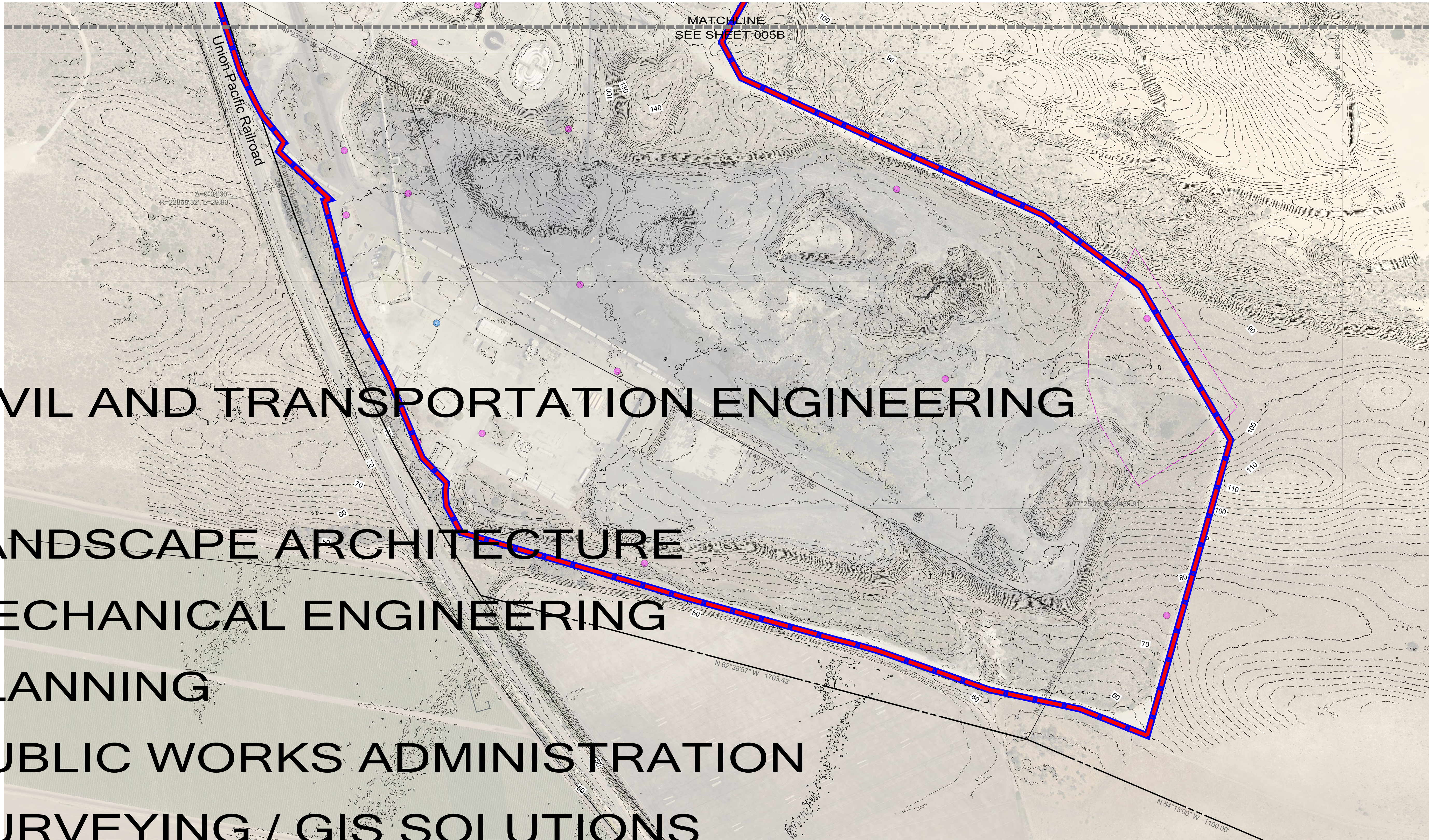
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DESIGNED	DRAWN	CHECKED	APPROVED
RMS	RMS	TKZ	TAA



PHILLIPS 66 – SANTA MARIA REFINERY  
 POST. REMEDIATION PRELIMINARY GRADING PLAN  
 POST REMEDIATION GROUND SURFACES

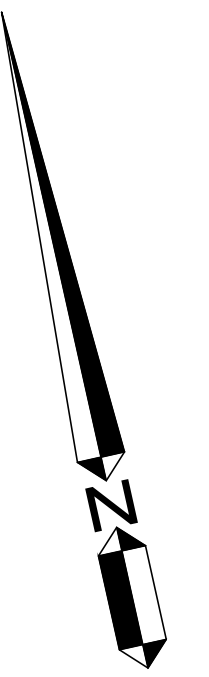
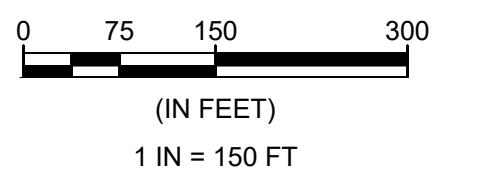
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CIVIL AND TRANSPORTATION ENGINEERING  
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GRAPHIC SCALE



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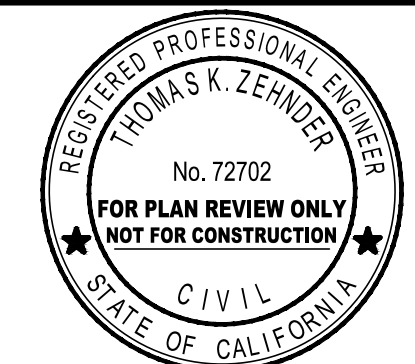
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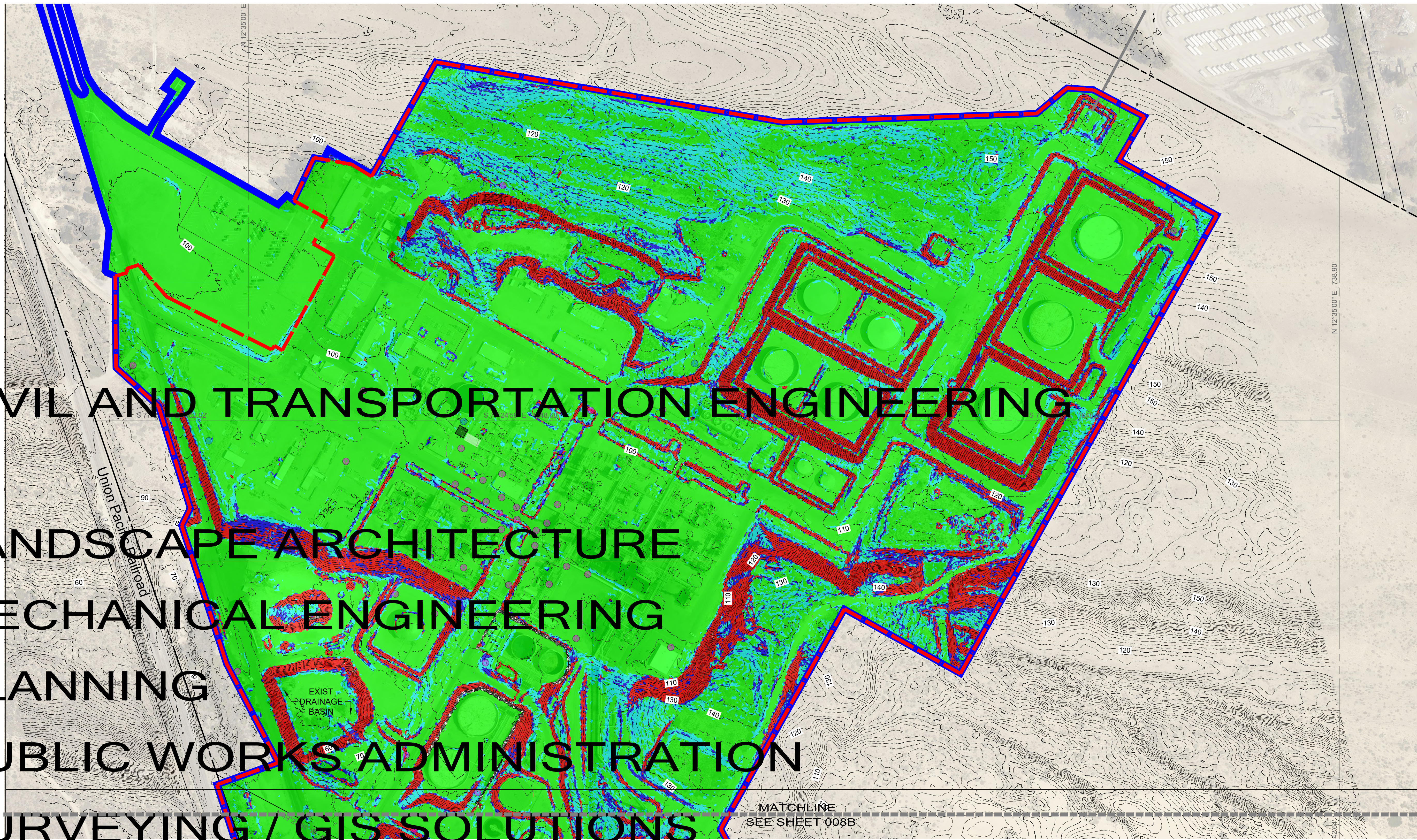
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PHILLIPS 66 – SANTA MARIA REFINERY  
 POST REMEDIATION PRELIMINARY GRADING PLAN  
 EXISTING TOPOGRAPHY PLAN (SOUTH)



SCALE	DRAWING NUMBER	REVISION
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CIVIL AND TRANSPORTATION ENGINEERING

LANDSCAPE ARCHITECTURE

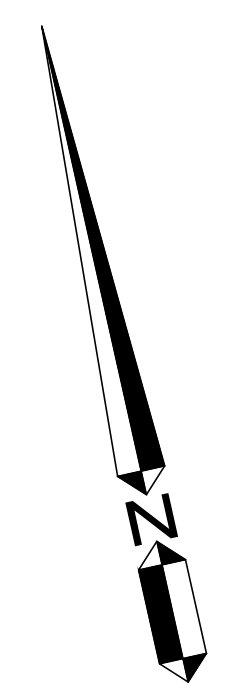
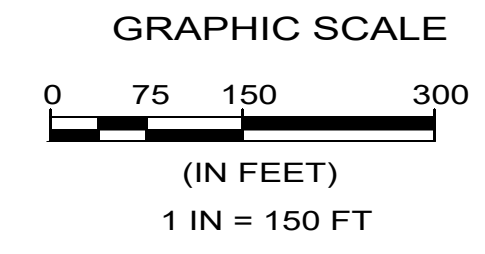
MECHANICAL ENGINEERING

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Slopes Table				
Number	Minimum Slope	Maximum Slope	Area	Color
1	0.00%	10.00%	144.37	Green
2	10.00%	20.00%	32.90	Cyan
3	20.00%	30.00%	11.48	Blue
4	30.00%	100.00%	26.33	Red

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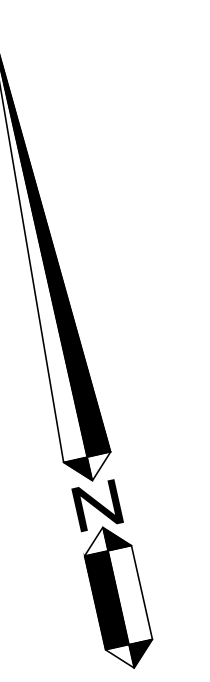
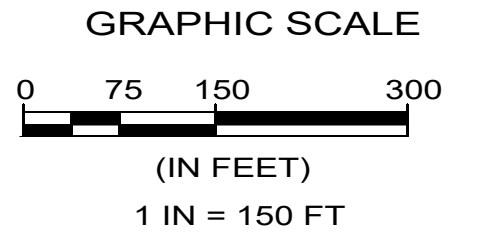
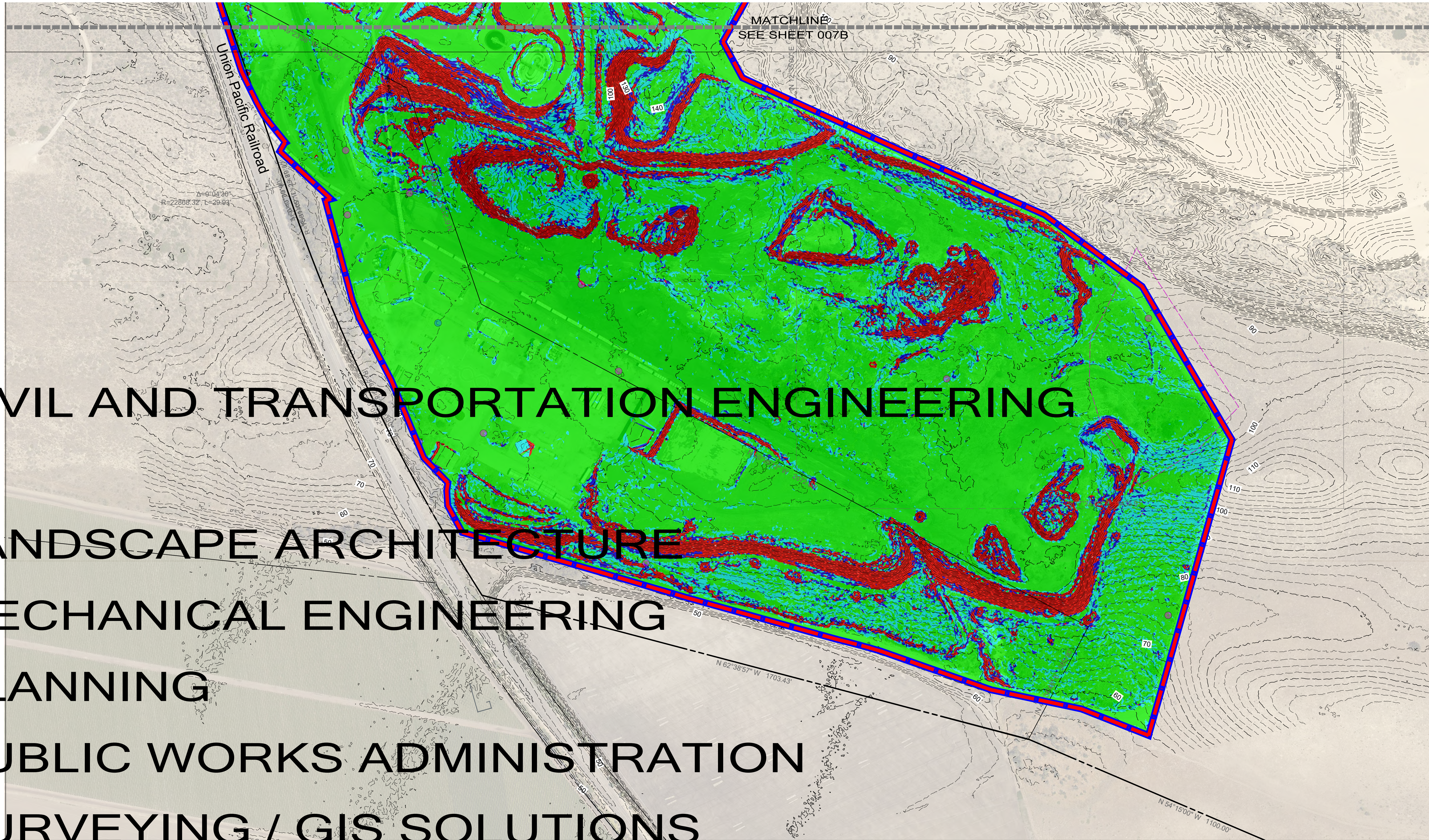


PHILLIPS 66 – SANTA MARIA REFINERY  
POST REMEDIATION PRELIMINARY GRADING PLAN  
EXISTING TOPO SLOPE MAP (NORTH)

REGISTERED PROFESSIONAL ENGINEER  
THOMAS K. ZERNER  
No. 72702  
FOR PLAN REVIEW ONLY  
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CIVIL  
STATE OF CALIFORNIA

CONSTRUCTION MANAGEMENT  
WALLACE GROUP  
810 CLARION COURT  
SAN LUIS OBISPO, CA 94901  
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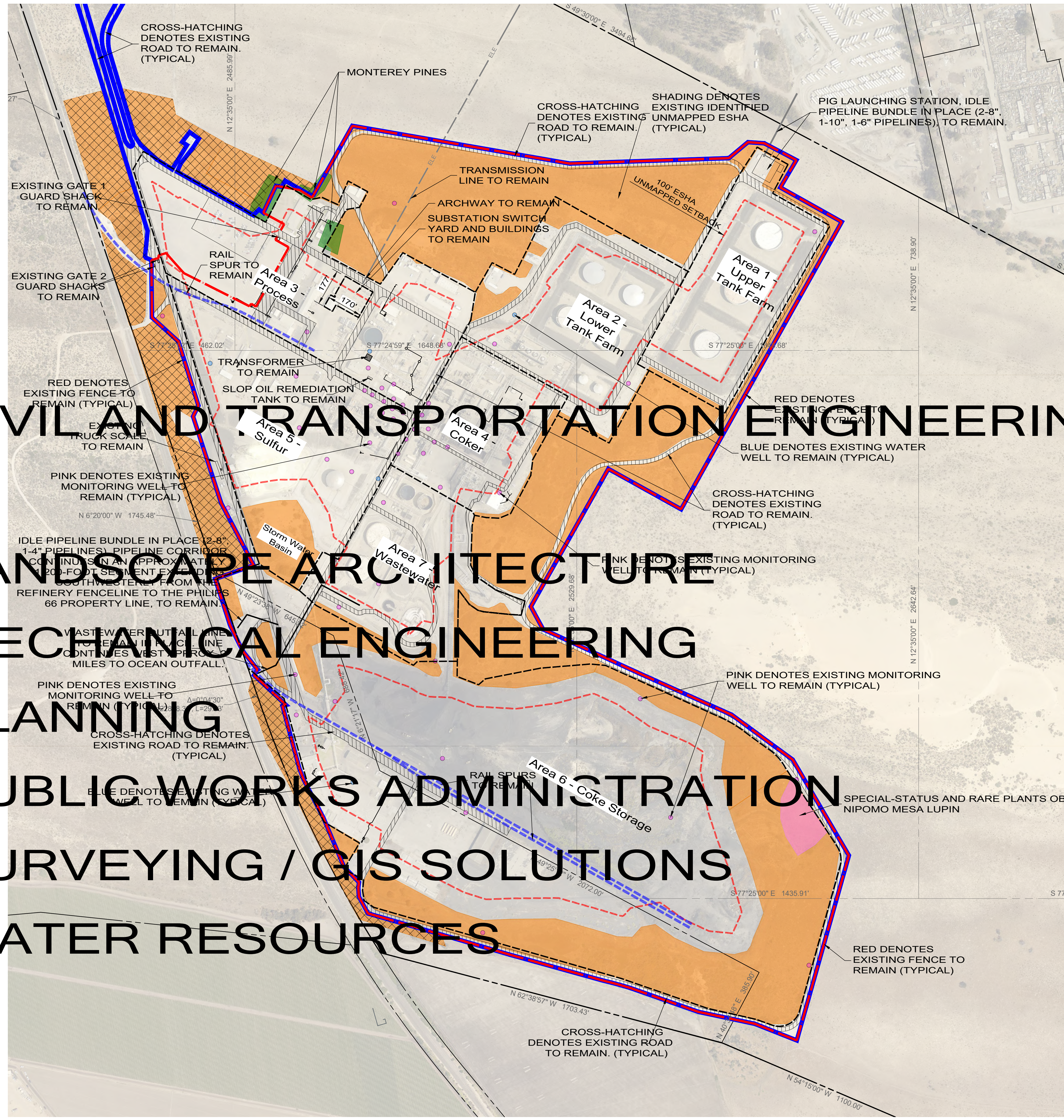
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PHILLIPS 66 – SANTA MARIA REFINERY  
 POST REMEDIATION PRELIMINARY GRADING PLAN  
 EXISTING TOPO SLOPE MAP (SOUTH)



SCALE	DRAWING NUMBER	REVISION
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CIVIL AND TRANSPORTATION ENGINEERING

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 EXISTING INFRASTRUCTURE TO REMAIN

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 THOMAS K. ZERNER  
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 STATE OF CALIFORNIA

CONSTRUCTION MANAGEMENT  
 WALLACE GROUP  
 812 CLARION COURT  
 SAN LUIS OBISPO, CA 94901  
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SCALE	DRAWING NUMBER	REVISION
AS SHOWN	EIR-GP-EXT-009B	4
DATE	CONSERVATIVE ALTERNATIVE	
09/20/23		