

CIVIL AND TRANSPORTATION ENGINEERING

LANDSCAPE ARCHITECTURE

MECHANICAL ENGINEERING

PLANNING

PUBLIC WORKS

SURVEYING

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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BY	DATE	CHECKED	APPROVED
RMS		TKZ	JOA

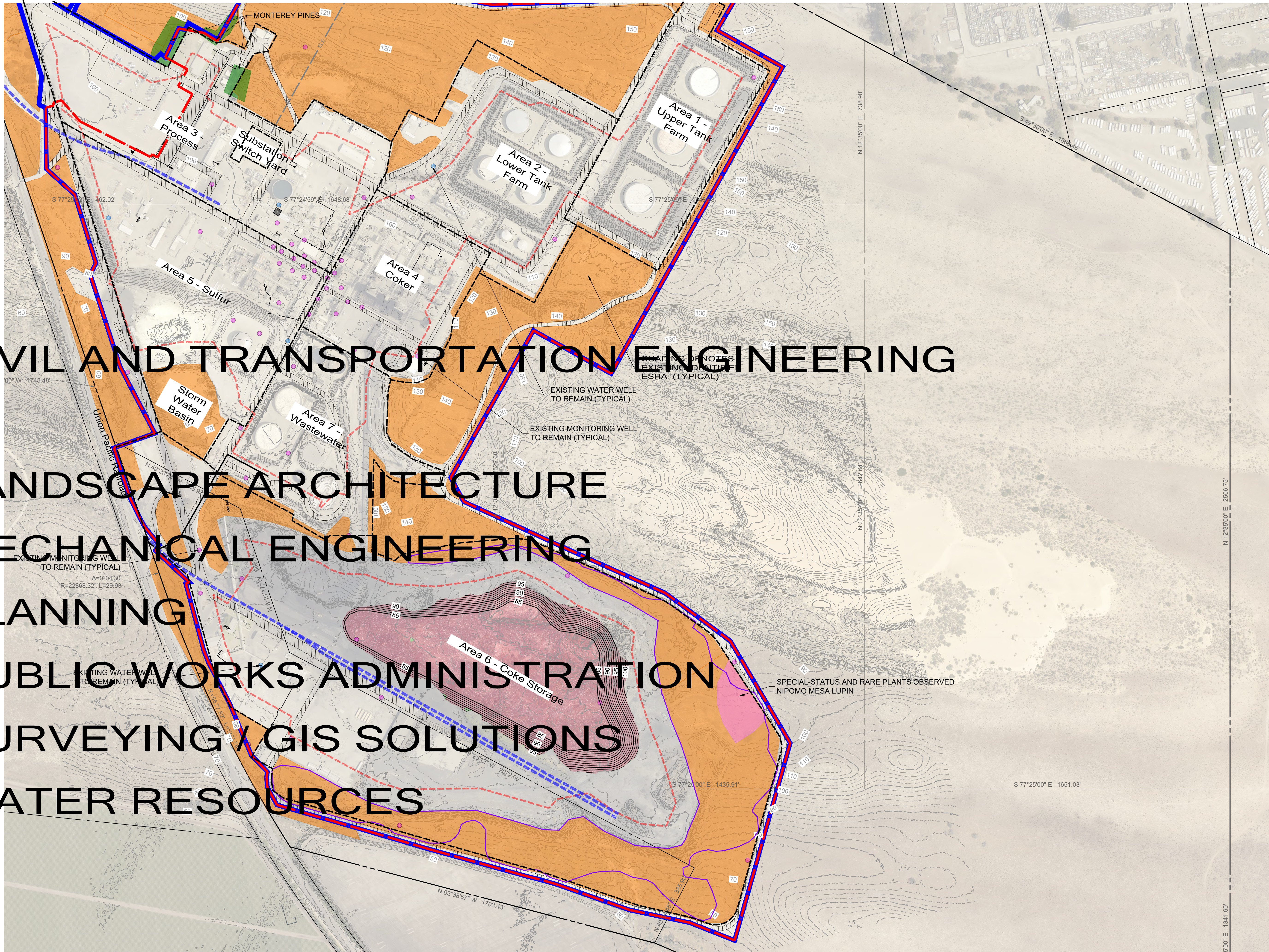


PHILLIPS 66 - SANTA MARIA REFINERY  
 POST REMEDIATION PRELIMINARY GRADING PLAN  
 EXISTING INFRASTRUCTURE TO REMAIN

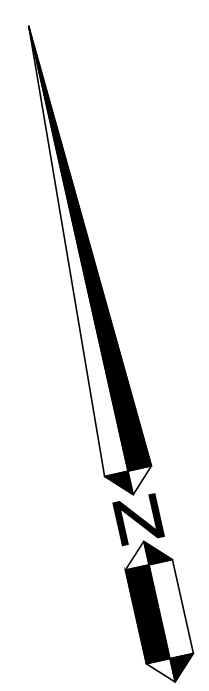
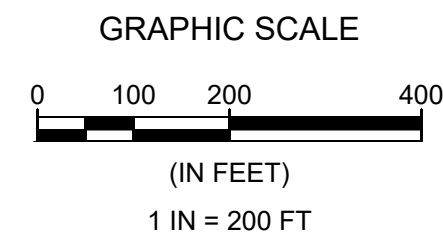
REGISTERED PROFESSIONAL ENGINEER  
 THOMAS K. ZERNER  
 No. 72702  
 FOR PLAN REVIEW ONLY  
 NOT FOR CONSTRUCTION  
 CIVIL  
 STATE OF CALIFORNIA

CONSTRUCTION MANAGEMENT  
 WALLACE GROUP  
 810 CLARION COURT  
 SAN LUIS OBISPO, CA 94901  
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SCALE	DRAWING NUMBER	REVISION
AS SHOWN	EIR-GP-EXT-009A	4
DATE	PROPOSED PROJECT	
09/20/23		



CIVIL AND TRANSPORTATION ENGINEERING  
 LANDSCAPE ARCHITECTURE  
 MECHANICAL ENGINEERING  
 PLANNING  
 PUBLIC WORKS ADMINISTRATION  
 SURVEYING / GIS SOLUTIONS  
 WATER RESOURCES



**LEGEND:**

- RED DENOTES AREA OF EARTHWORK CUT
- GREEN DENOTES AREA OF EARTHWORK FILL
- ORANGE DENOTES EXISTING IDENTIFIED UNMAPPED ESHA
- EXTENT OF OPERATIONAL COKE STOCKPILE IN ESHA

**GENERAL NOTE:**

IN THE PROPOSED CASE, THERE ARE NO CUT SLOPES OTHER THAN AT THE COKE STORAGE AREA. REMEDIATION EXCAVATION AND ASSOCIATED EARTHWORK BACKFILL LOCATIONS COULD OCCUR AT ANY LOCATION. SUCH POTENTIAL LOCATIONS WILL BE DETERMINED DURING SITE CHARACTERIZATION

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5	10-13-23	UPDATED PROJECT INFORMATION	TKZ	JOA
4	09-20-23	UPDATED PROJECT INFORMATION	TKZ	JOA
3	09-07-23	UPDATED PROJECT INFORMATION	TKZ	JOA
2	08-22-23	UPDATED FOR PERMITTING	TKZ	JOA
1	05-15-23	ADDITION OF LEGEND	TKZ	JOA
0	02-15-23	ISSUE FOR PERMITTING	TKZ	JOA

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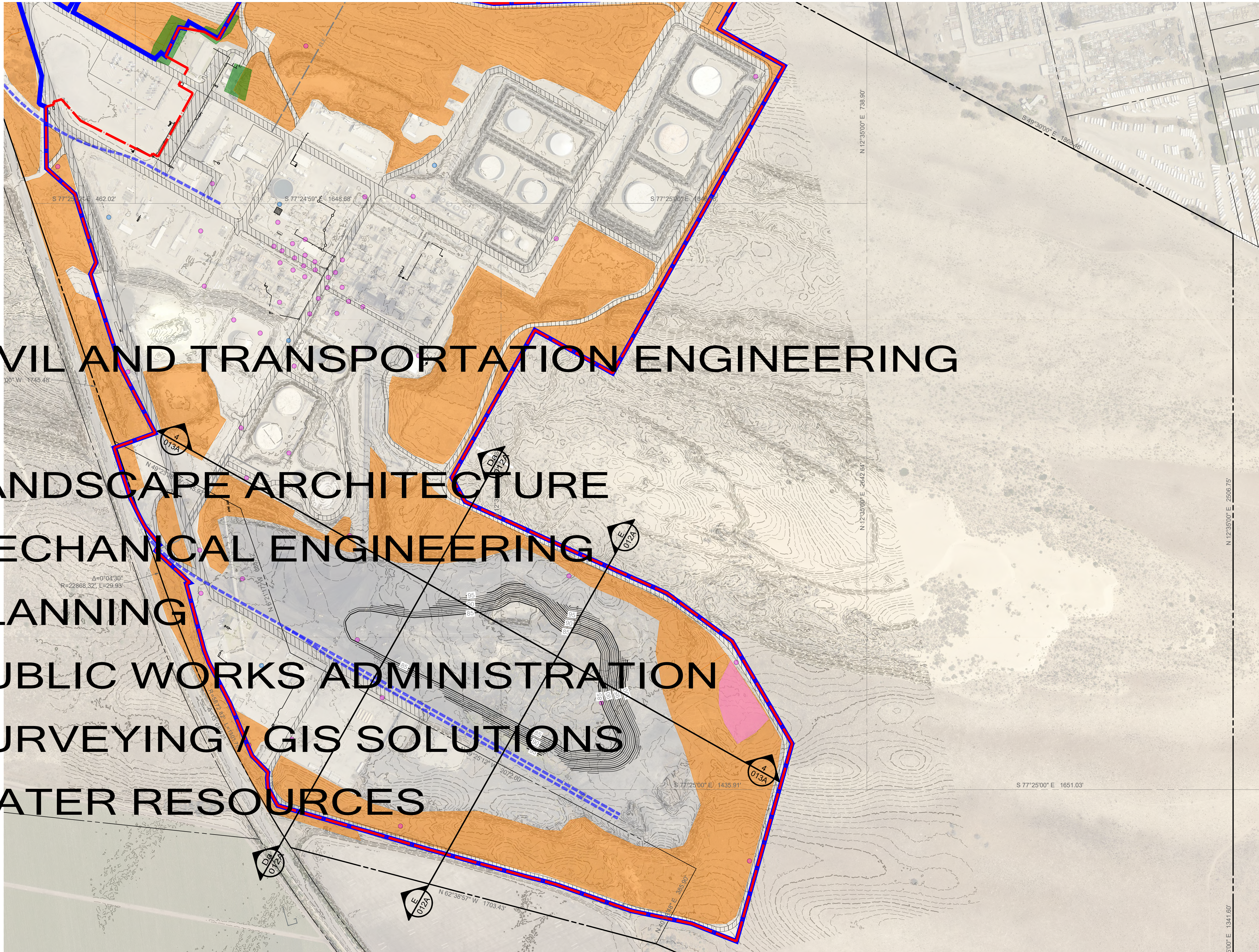


PHILLIPS 66 – SANTA MARIA REFINERY  
 POST REMEDIATION PRELIMINARY GRADING PLAN  
 PRELIM. GRADING AND EARTHWORK PLAN – PROP. GRADING

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DATE	PROPOSED PROJECT	
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CIVIL AND TRANSPORTATION ENGINEERING

LANDSCAPE ARCHITECTURE

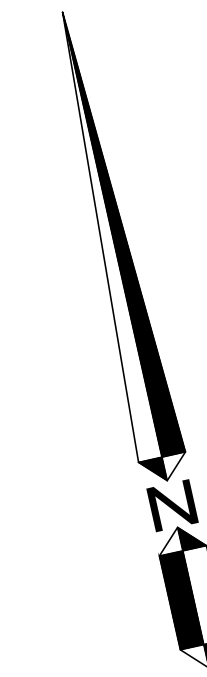
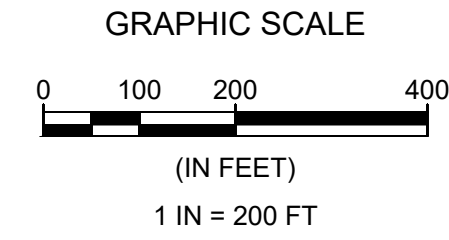
MECHANICAL ENGINEERING

PLANNING

PUBLIC WORKS ADMINISTRATION

SURVEYING / GIS SOLUTIONS

WATER RESOURCES



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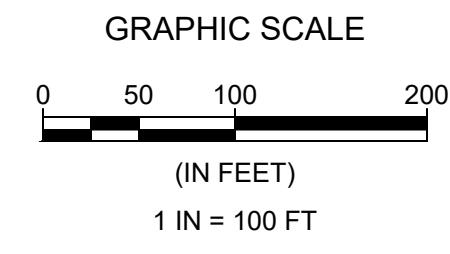


PHILLIPS 66 - SANTA MARIA REFINERY  
POST REMEDIATION PRELIMINARY GRADING PLAN  
CROSS SECTION INDEX - PROP. GRADING

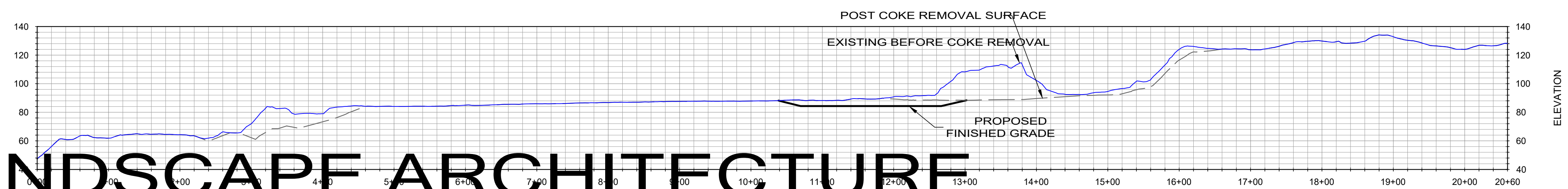
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AS SHOWN	EIR-GP-EXT-011A	4
DATE	PROPOSED PROJECT	
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# CIVIL AND TRANSPORTATION ENGINEERING



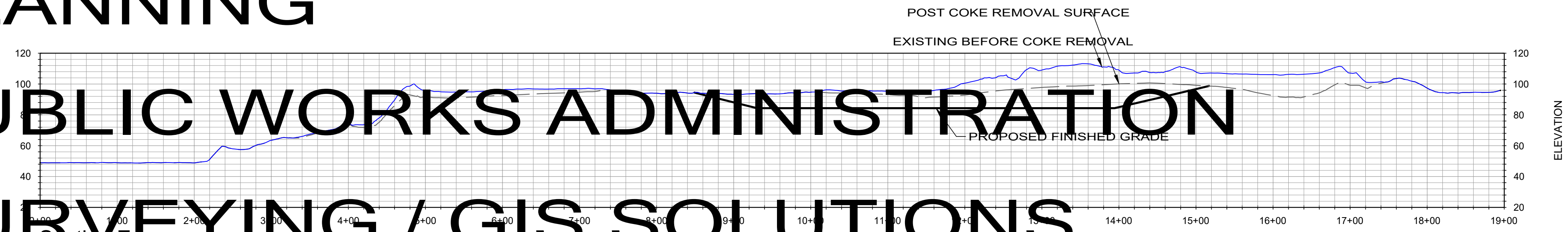
Section D

# LANDSCAPE ARCHITECTURE

# MECHANICAL ENGINEERING

# PLANNING

# PUBLIC WORKS ADMINISTRATION



Section E

Cross Sections

# SURVEYING / GIS SOLUTIONS

# WATER RESOURCES

Scale: Horiz. 1"= 100'; Vert. 1"= 50'

REV	DATE	DESCRIPTION	CHECKED	APPROVED
3	10-13-23	UPDATED PROJECT INFORMATION	TKZ	JOA
2	09-20-23	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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DESIGNED	DRAWN	CHECKED	APPROVED
RMS	RMS	TKZ	JOA

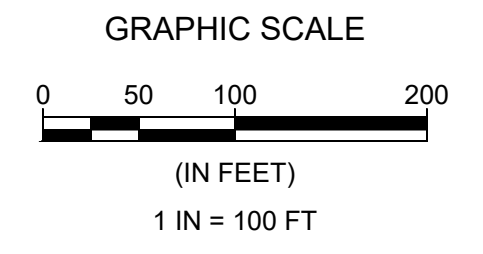


PHILLIPS 66 – SANTA MARIA REFINERY  
POST REMEDIATION PRELIMINARY GRADING PLAN  
CROSS SECTIONS – PROP. GRADING

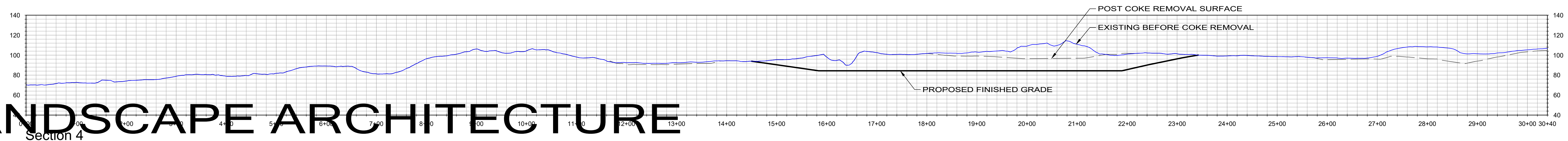
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STATE OF CALIFORNIA

CONSTRUCTION MANAGEMENT  
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SCALE	DRAWING NUMBER	REVISION
AS SHOWN	EIR-GP-EXT-012A	3
DATE	PROPOSED PROJECT	
09/20/23		



# CIVIL AND TRANSPORTATION ENGINEERING



Section 4  
Cross Sections

Scale: Horz. 1"= 100'; Vert. 1"= 50'

# LANDSCAPE ARCHITECTURE

# MECHANICAL ENGINEERING

# PLANNING

# PUBLIC WORKS ADMINISTRATION

# SURVEYING / GIS SOLUTIONS

# WATER RESOURCES

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

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RMS	RMS	TKZ	JOA

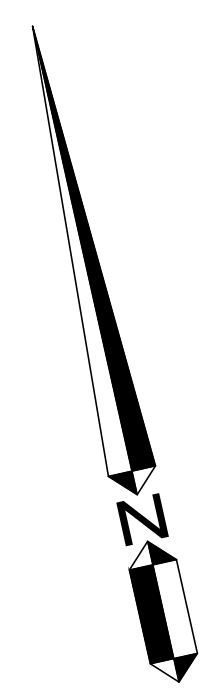
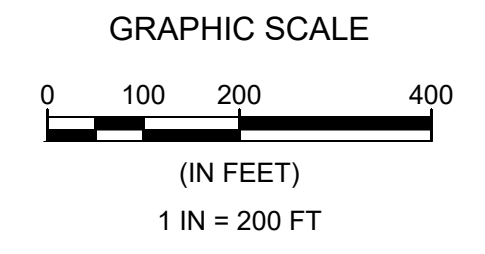
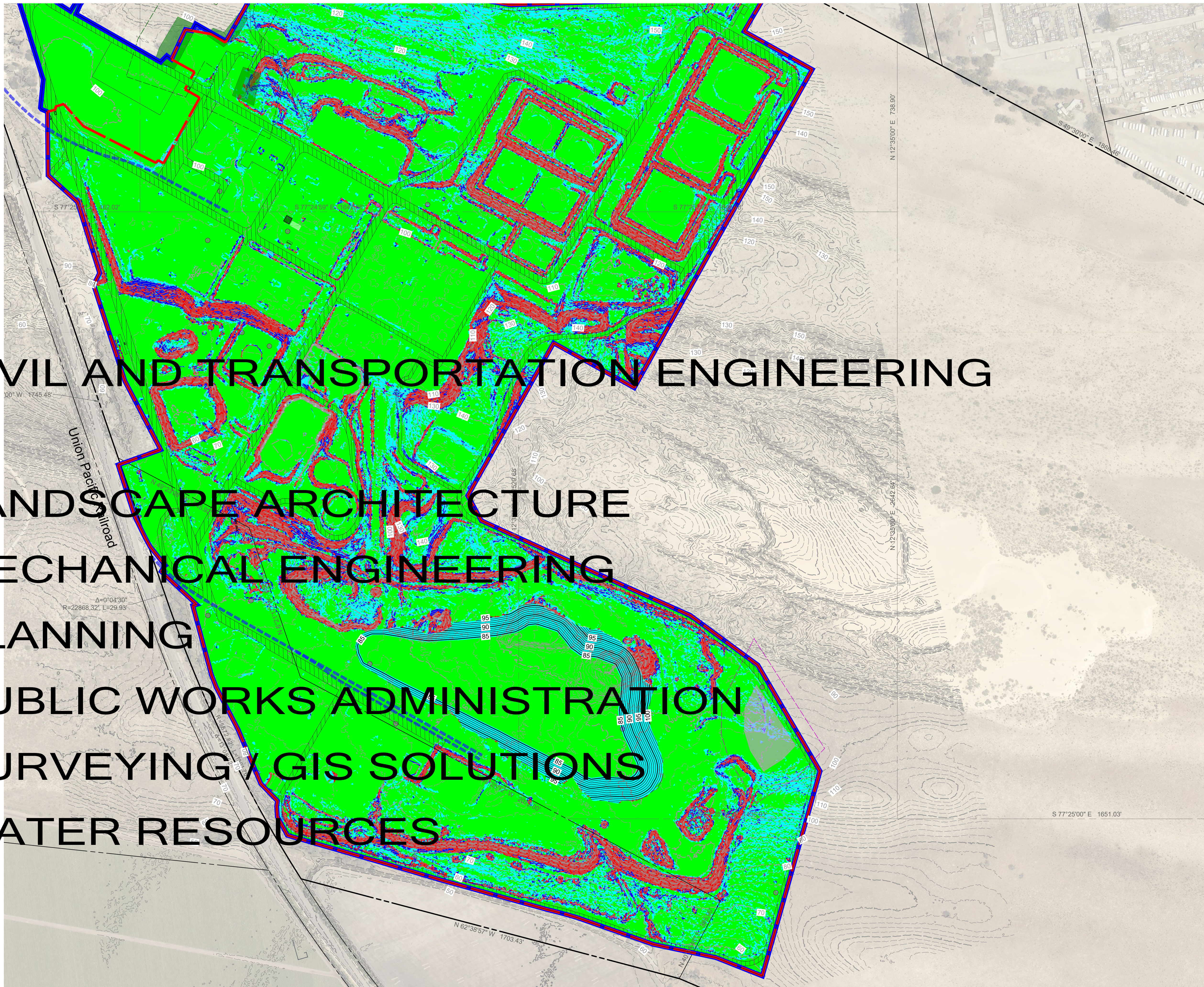


PHILLIPS 66 – SANTA MARIA REFINERY  
POST REMEDIATION PRELIMINARY GRADING PLAN  
CROSS SECTIONS – PROP. GRADING

REGISTERED PROFESSIONAL ENGINEER  
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SCALE	DRAWING NUMBER	REVISION
AS SHOWN	EIR-GP-EXT-013A	3
DATE	PROPOSED PROJECT	
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Slopes Table				
Number	Minimum Slope	Maximum Slope	Area	Color
1	0.00%	10.00%	142.93	Green
2	10.00%	20.00%	36.34	Cyan
3	20.00%	30.00%	10.80	Blue
4	30.00%	100.00%	24.99	Red

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4	10-13-23	UPDATED PROJECT INFORMATION	TKZ	JOA
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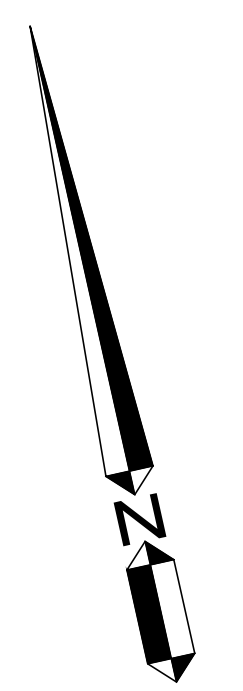
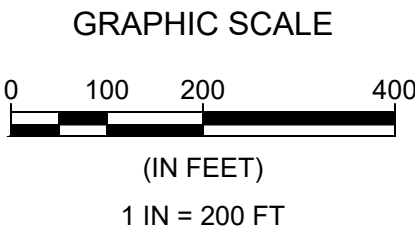
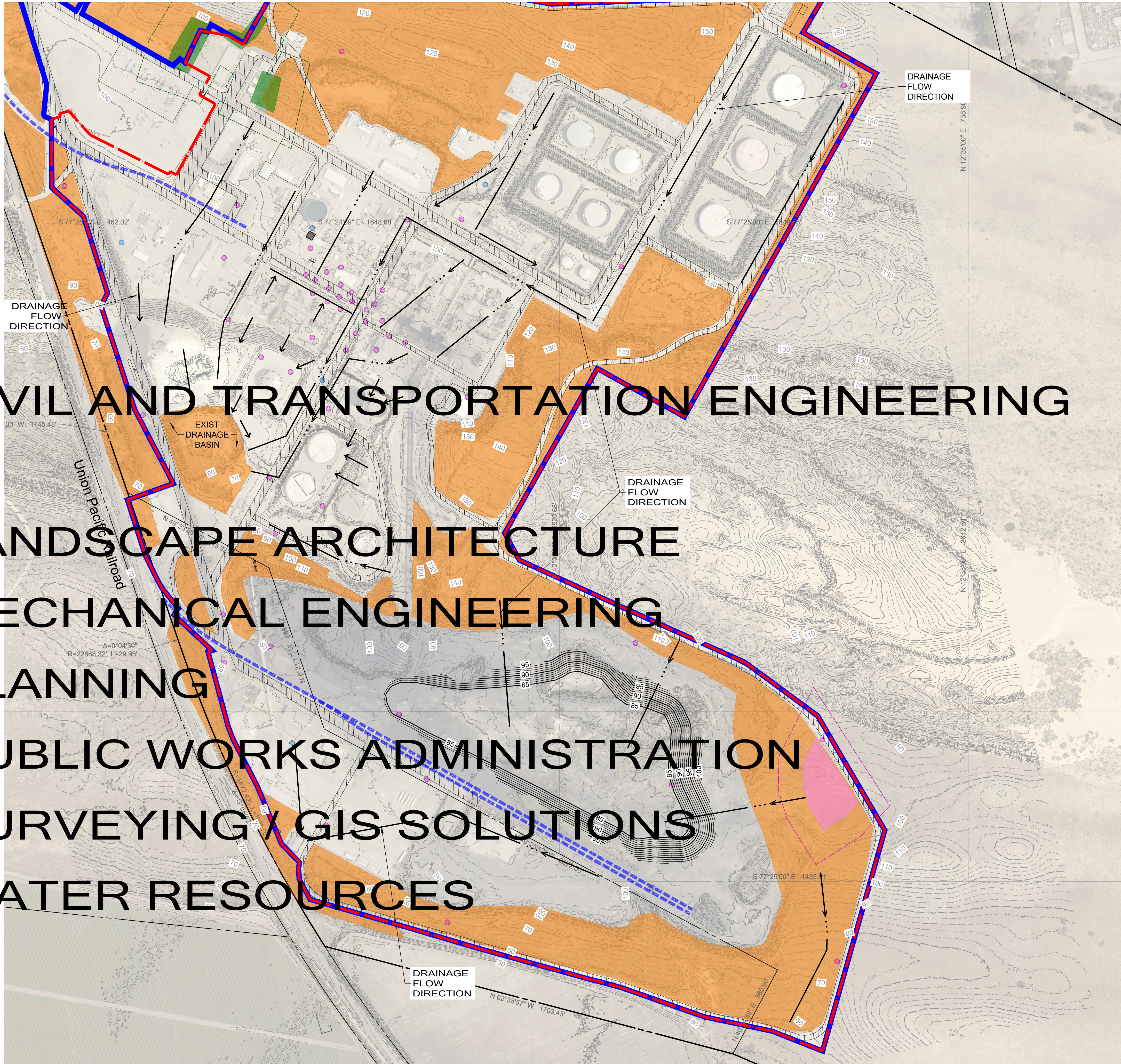


PHILLIPS 66 - SANTA MARIA REFINERY  
POST REMEDIATION PRELIMINARY GRADING PLAN  
PROPOSED SLOPE MAP - PROP. GRADING

REGISTERED PROFESSIONAL ENGINEER  
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**CIVIL AND TRANSPORTATION ENGINEERING**

**LANDSCAPE ARCHITECTURE**

**MECHANICAL ENGINEERING**

**PLANNING**

**PUBLIC WORKS ADMINISTRATION**

**SURVEYING / GIS SOLUTIONS**

**WATER RESOURCES**

REV	DATE	DESCRIPTION	CHECKED	APPROVED
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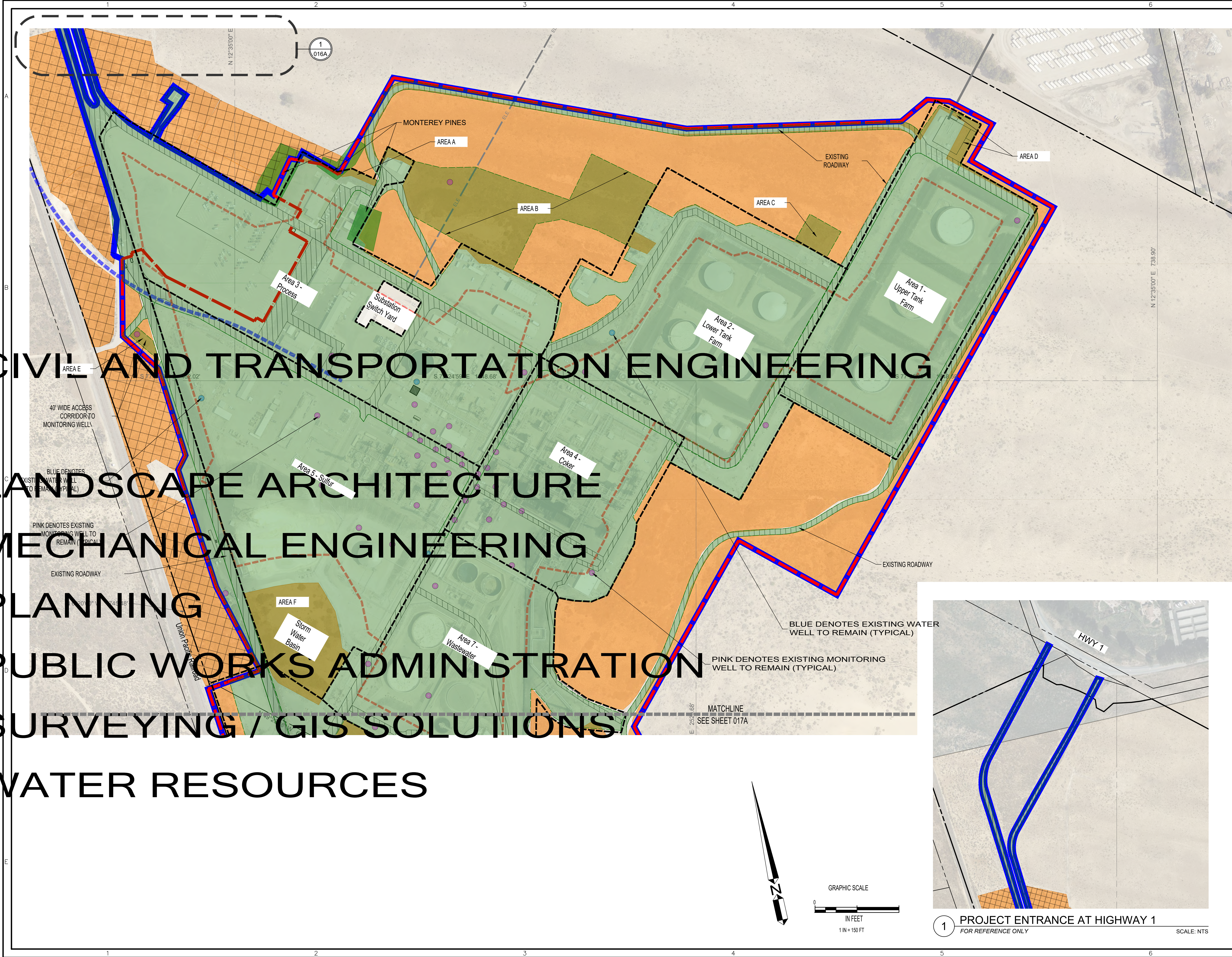
ISSUED FOR CONSTRUCTION		CUSTOMER APPROVAL	
BY	DATE	CHECKED	APPROVED
DESIGNED	RMS	DRAWN	RMS
		CHECKED	TKZ
		APPROVED	JOA



PHILLIPS 66 – SANTA MARIA REFINERY  
 POST REMEDIATION PRELIMINARY GRADING PLAN  
 DRAINAGE PLAN – PROP. GRADING



SCALE	DRAWING NUMBER	REVISION
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**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.

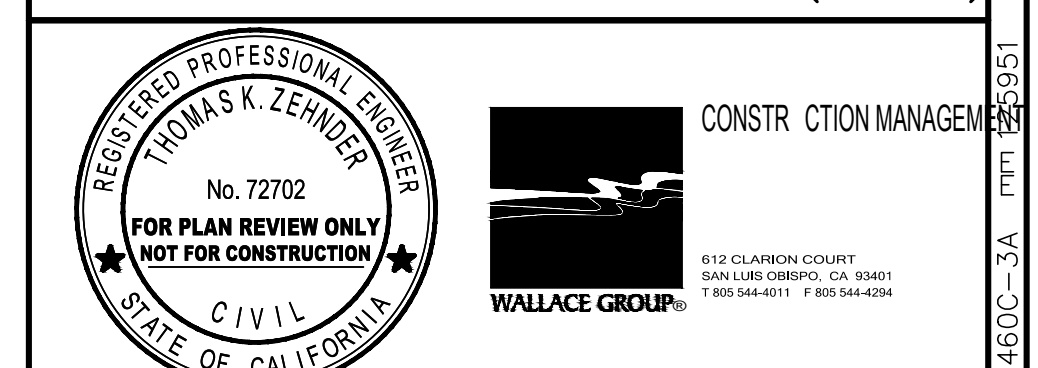
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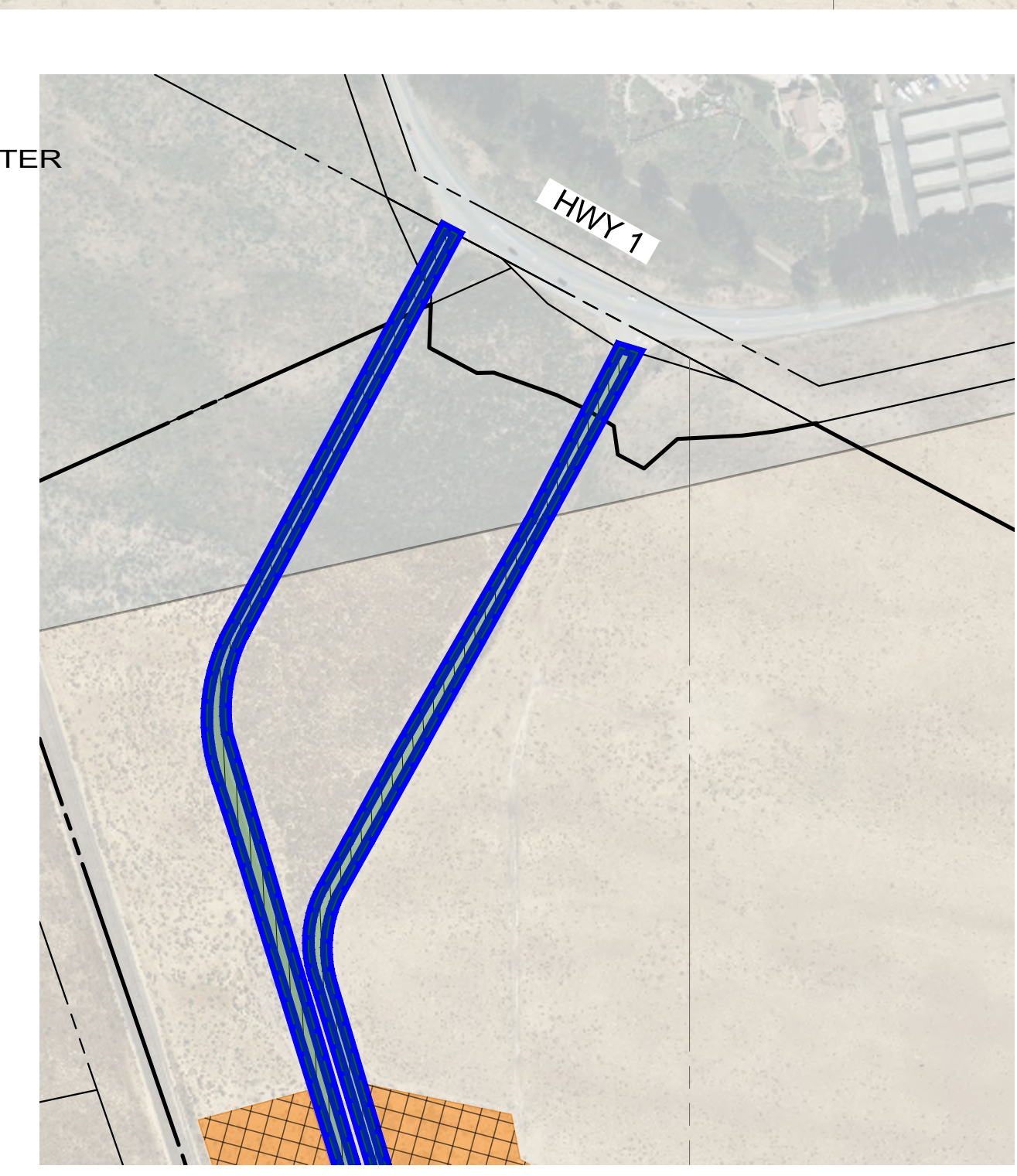
DESIGNED	DATE	DRAWN	CHECKED	APPROVED
RMS		RMS	TKZ	JOA



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



SCALE	DRAWING NUMBER	REVISION
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