

CIVIL AND TRANSPORTATION ENGINEERING

LANDSCAPE ARCHITECTURE

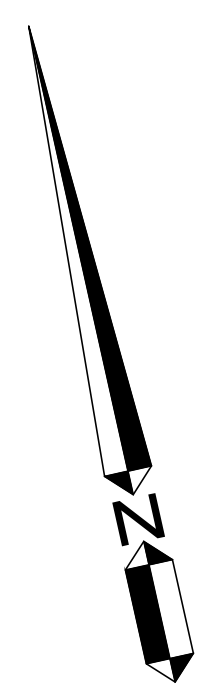
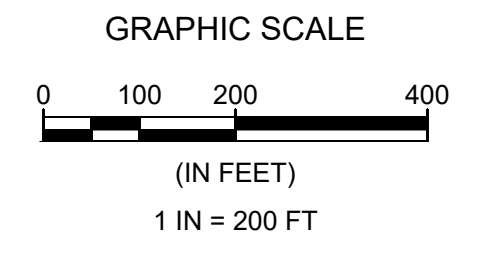
MECHANICAL ENGINEERING

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

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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BY	DATE	CHECKED	APPROVED
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RMS	RMS	TKZ	JOA

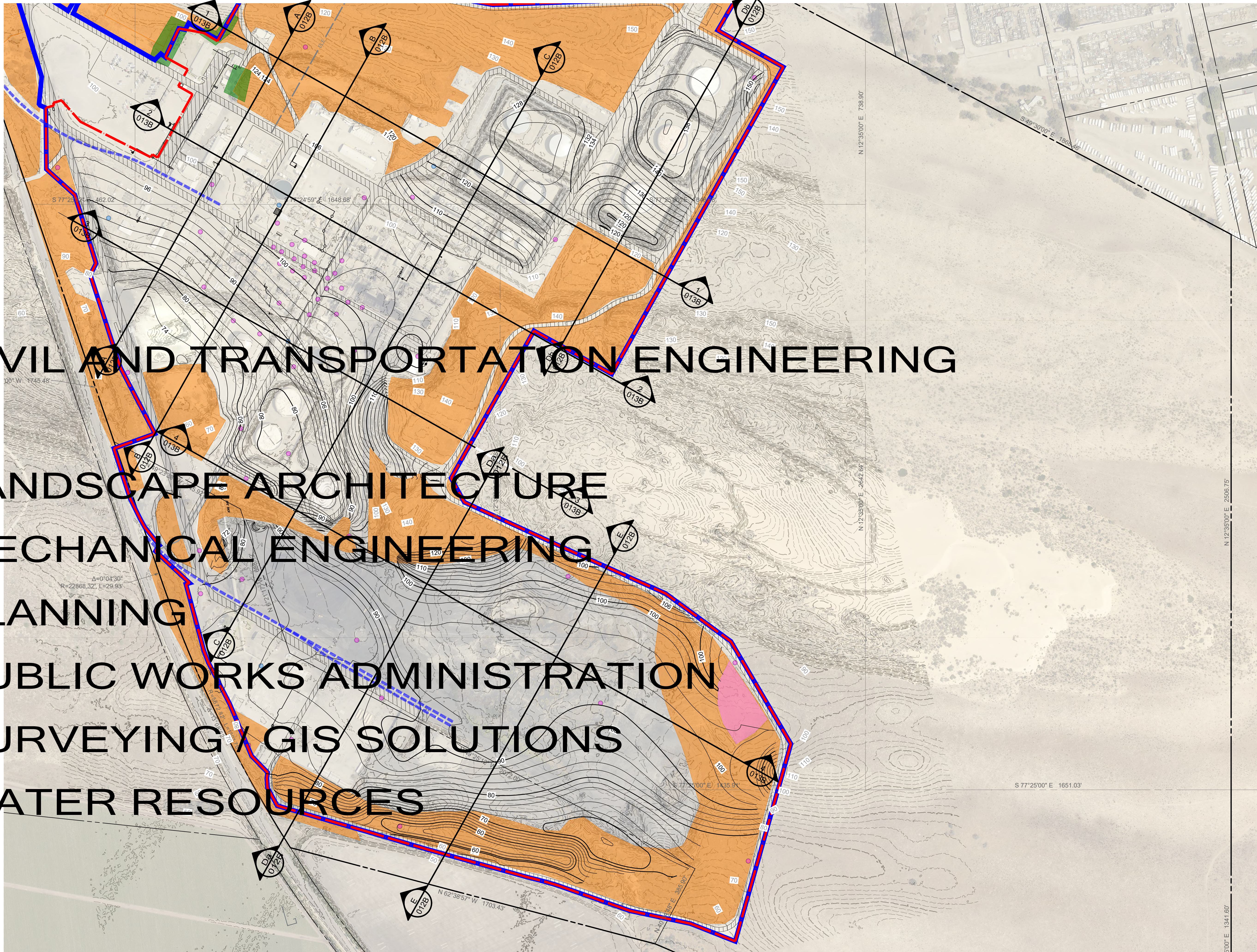


PHILLIPS 66 – SANTA MARIA REFINERY
 POST REMEDIATION PRELIMINARY GRADING PLAN
 PRELIM. GRADING AND EARTHWORK PLAN – CONS. GRADING

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 COURT
 SAN LUIS OBISPO, CA 94901
 P 805 544-0111 F 805 544-0261

SCALE	DRAWING NUMBER	REVISION
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DATE	CONSERVATIVE ALTERNATIVE	
09/20/23		



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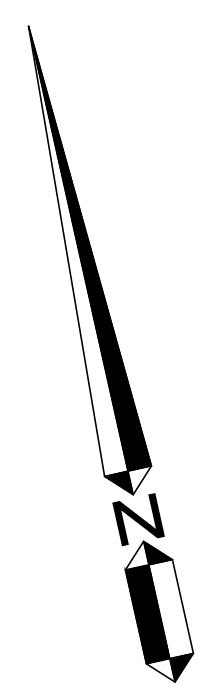
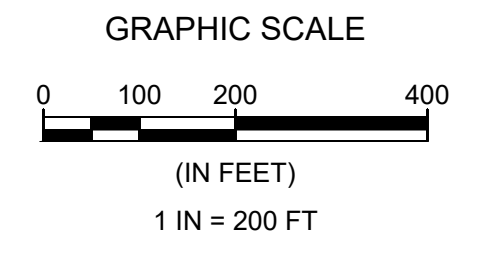
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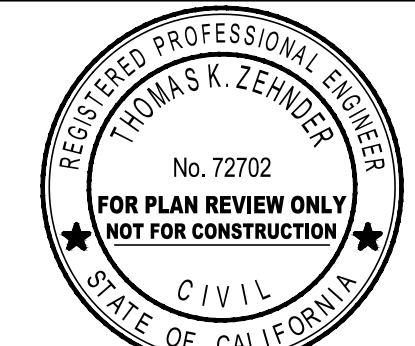
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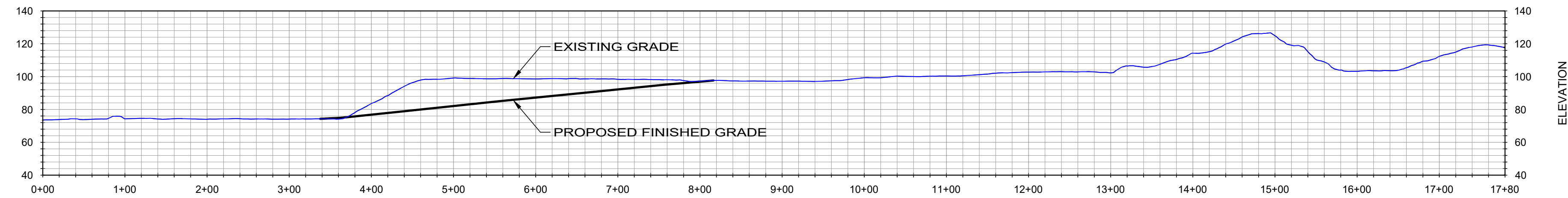
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		APPROVED	JOA



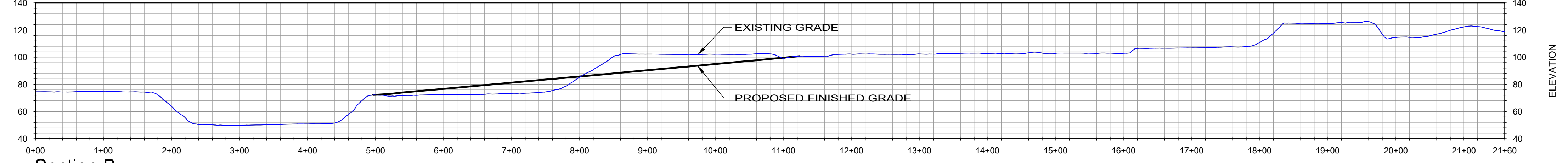
PHILLIPS 66 - SANTA MARIA REFINERY
POST REMEDIATION PRELIMINARY GRADING PLAN
CROSS SECTION INDEX - CONS. GRADING



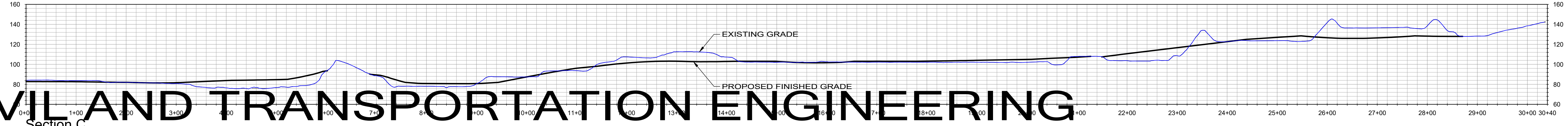
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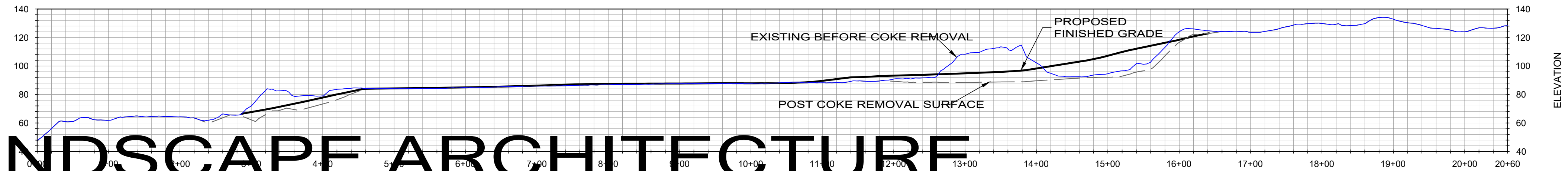
Section A



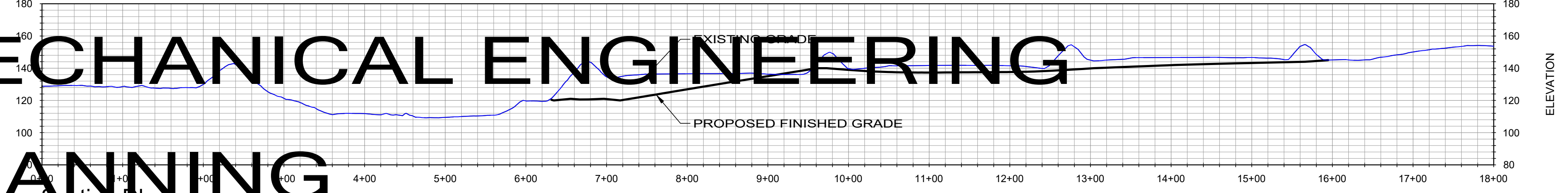
Section B



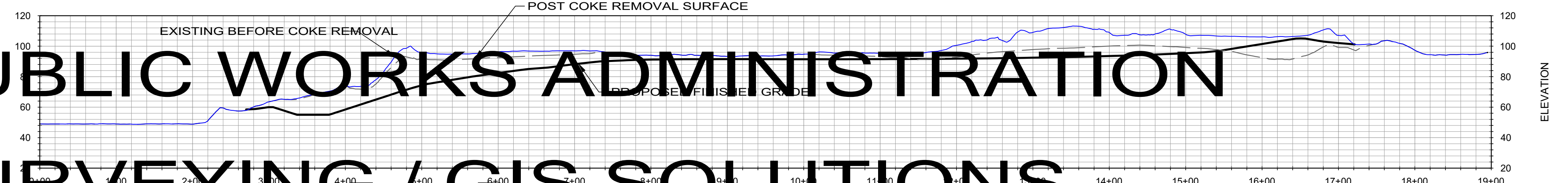
Section C



Section Da



Section Db



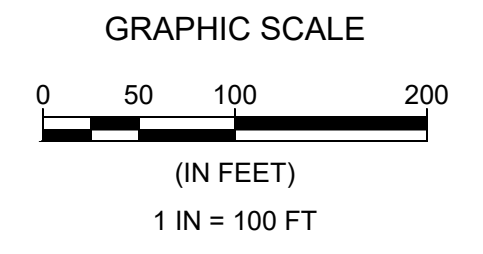
Section Dc



Section E

Cross Sections

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



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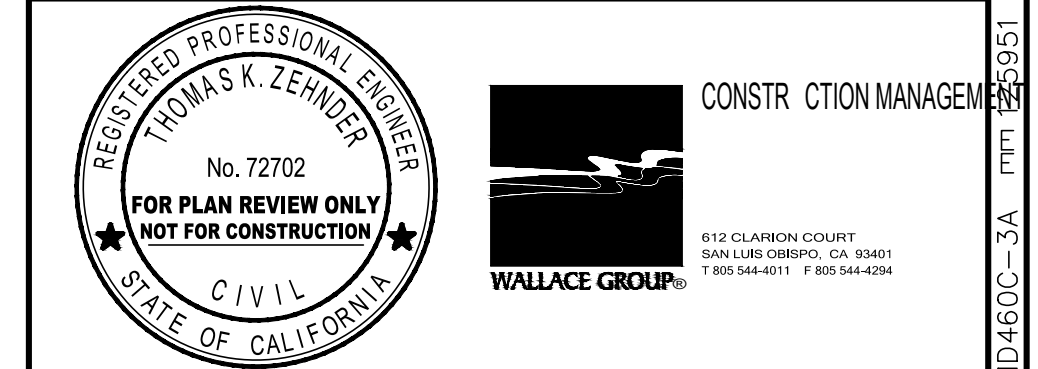
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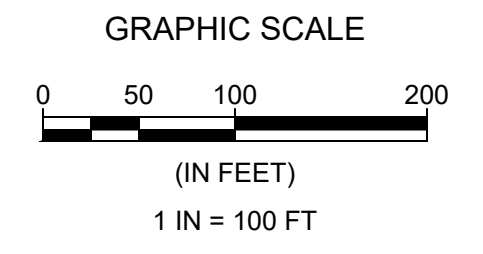
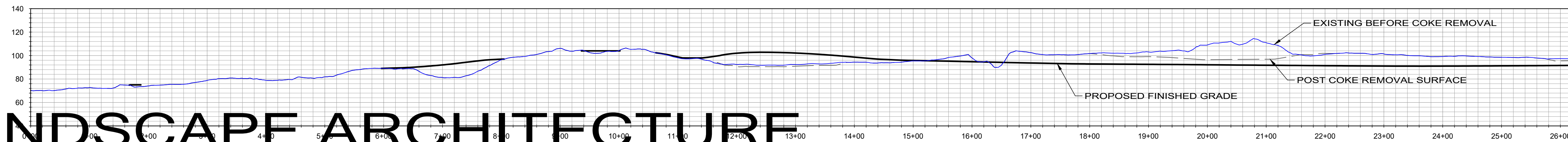
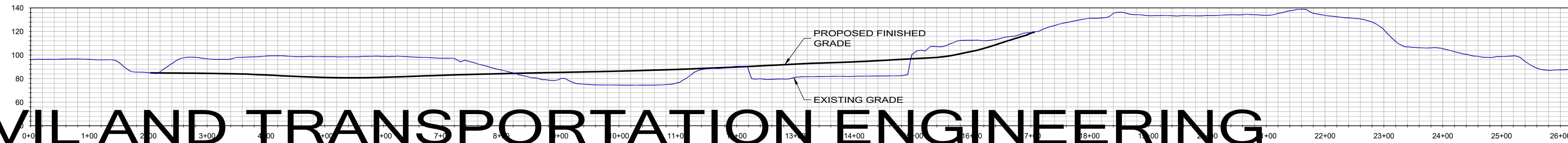
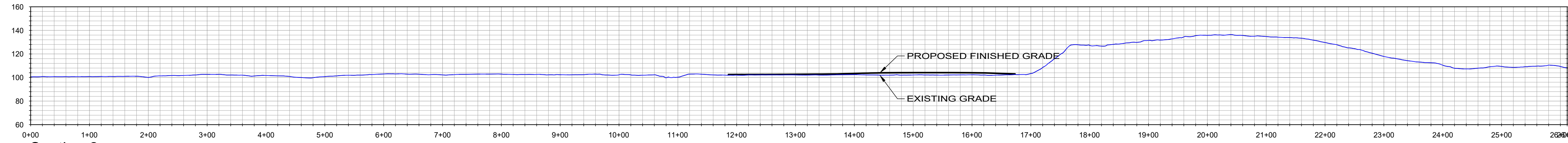
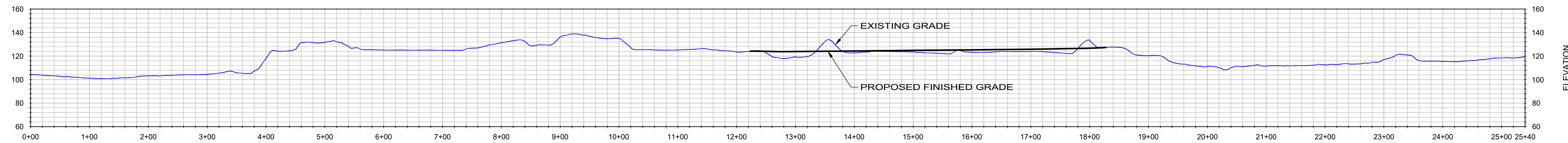
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PHILLIPS 66 – SANTA MARIA REFINERY
POST REMEDIATION PRELIMINARY GRADING PLAN
CROSS SECTIONS – CONS. GRADING



SCALE	DRAWING NUMBER	REVISION
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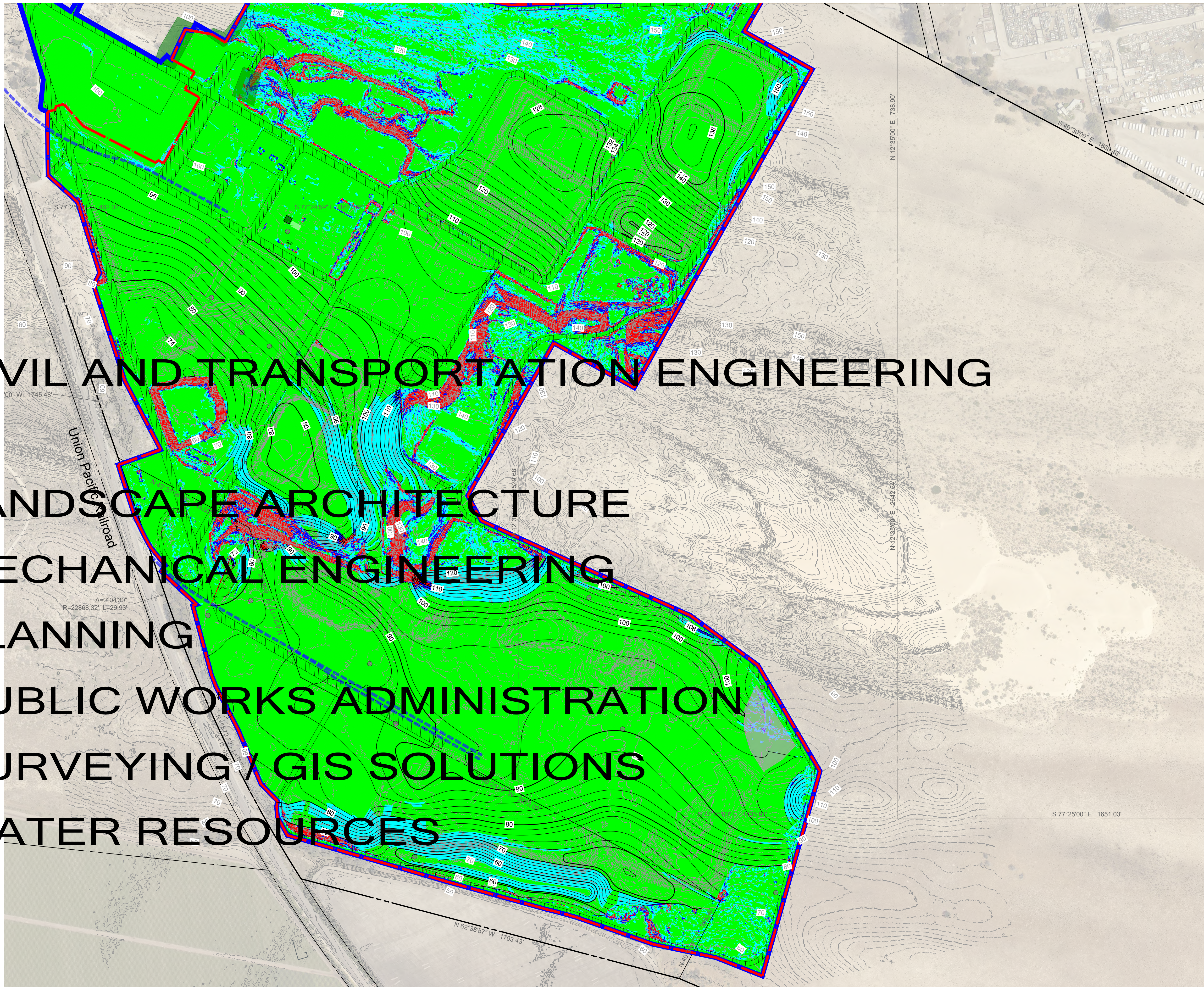


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CROSS SECTIONS – CONS. GRADING

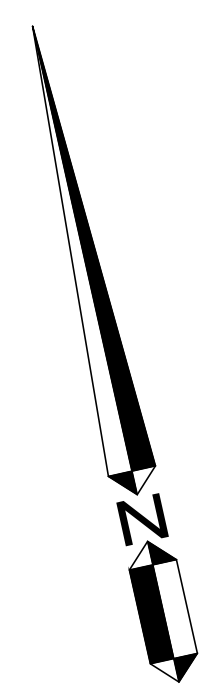
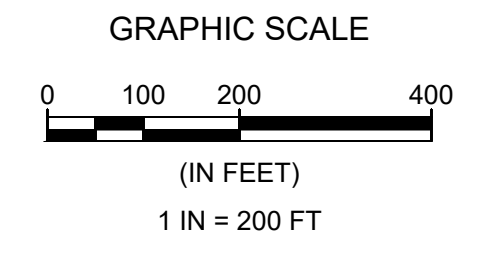
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Slopes Table				
Number	Minimum Slope	Maximum Slope	Area	Color
1	0.00%	10.00%	171.71	Green
2	10.00%	20.00%	29.44	Cyan
3	20.00%	30.00%	5.46	Blue
4	30.00%	100.00%	8.85	Red

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PHILLIPS 66 – SANTA MARIA REFINERY
 POST REMEDIATION PRELIMINARY GRADING PLAN
 PROPOSED SLOPE MAP – CONS. GRADING



SCALE	DRAWING NUMBER	REVISION
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