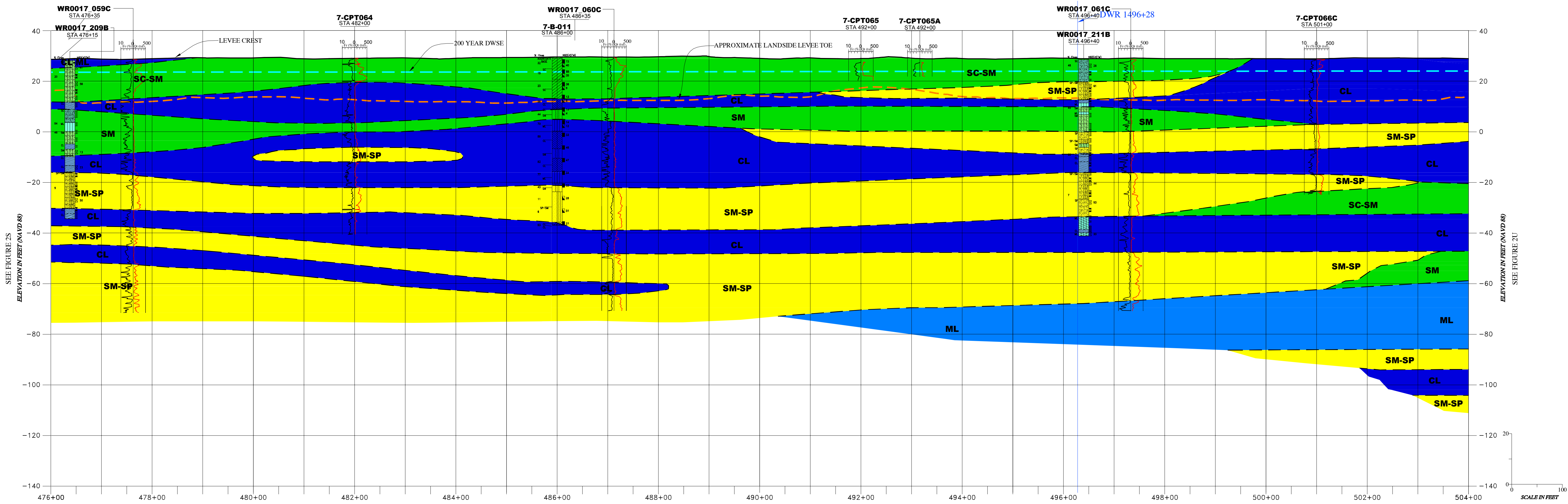


SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

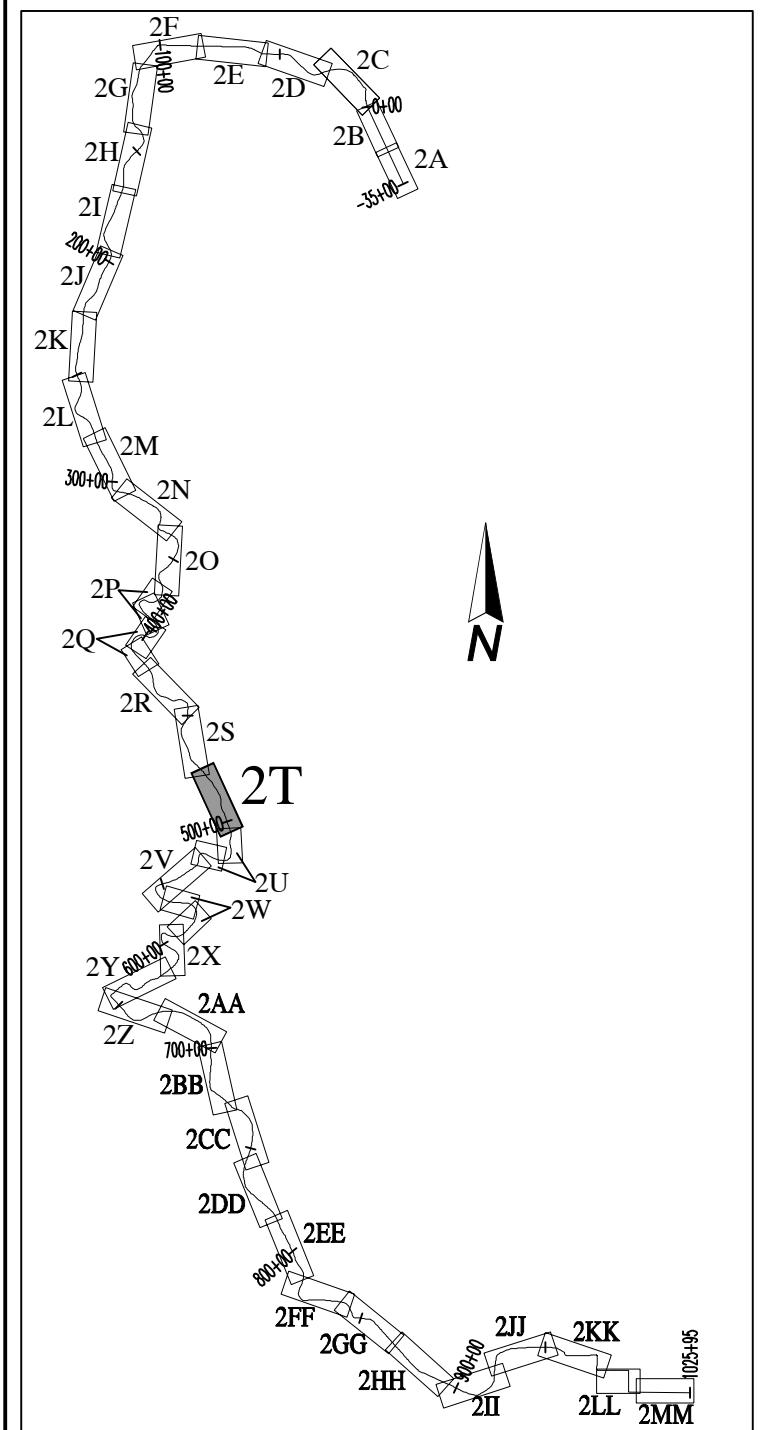


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION

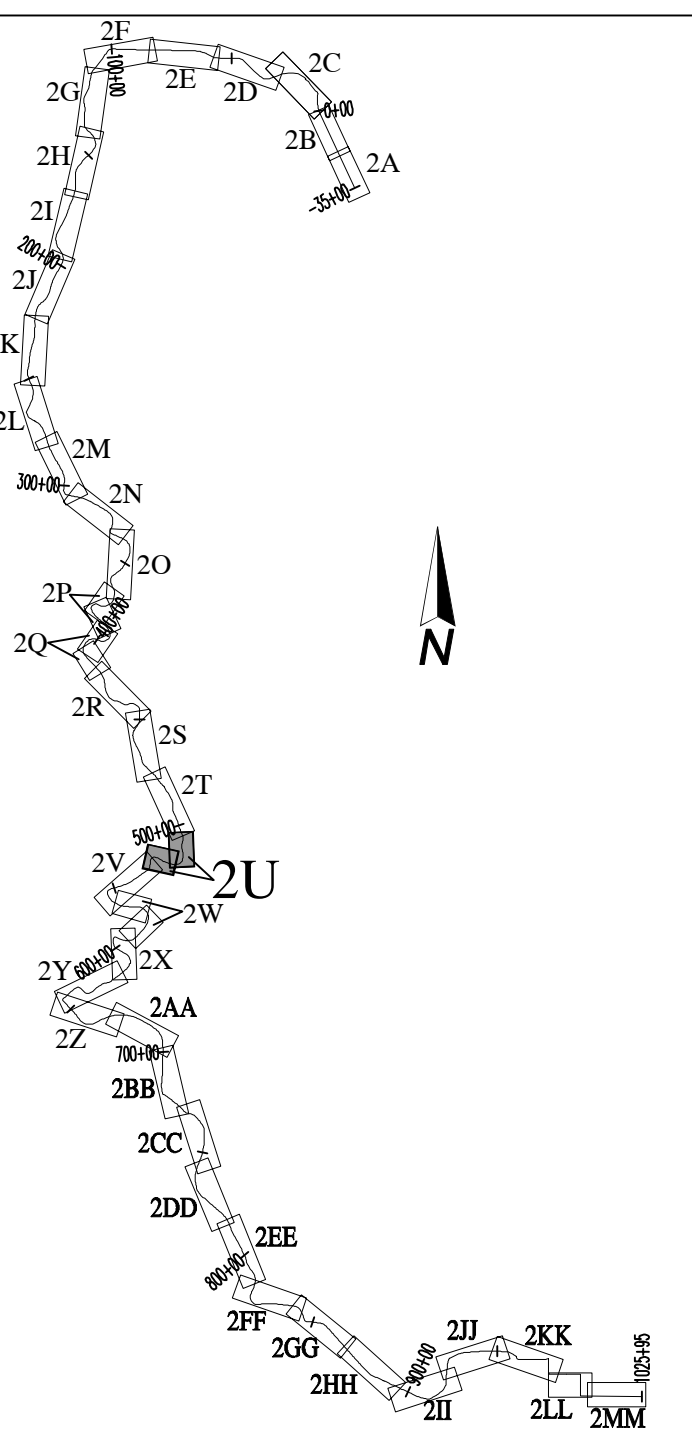
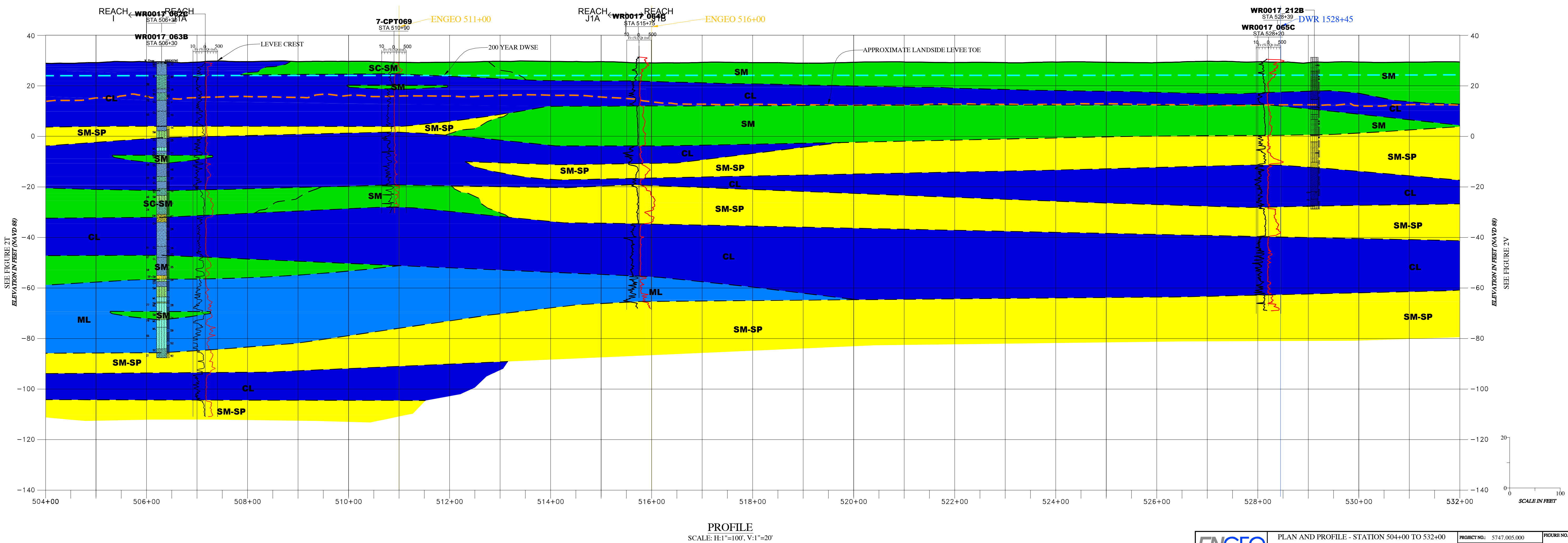
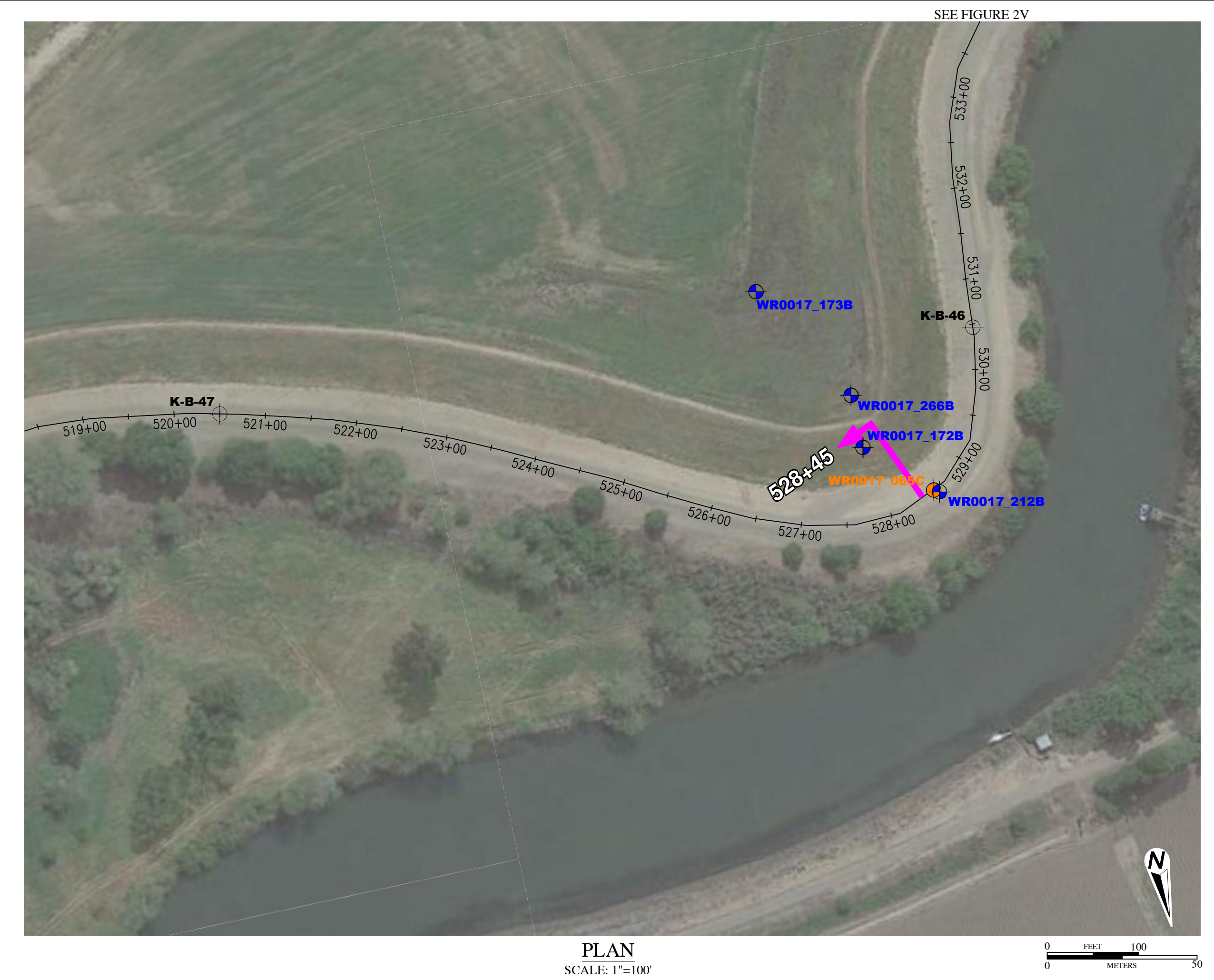
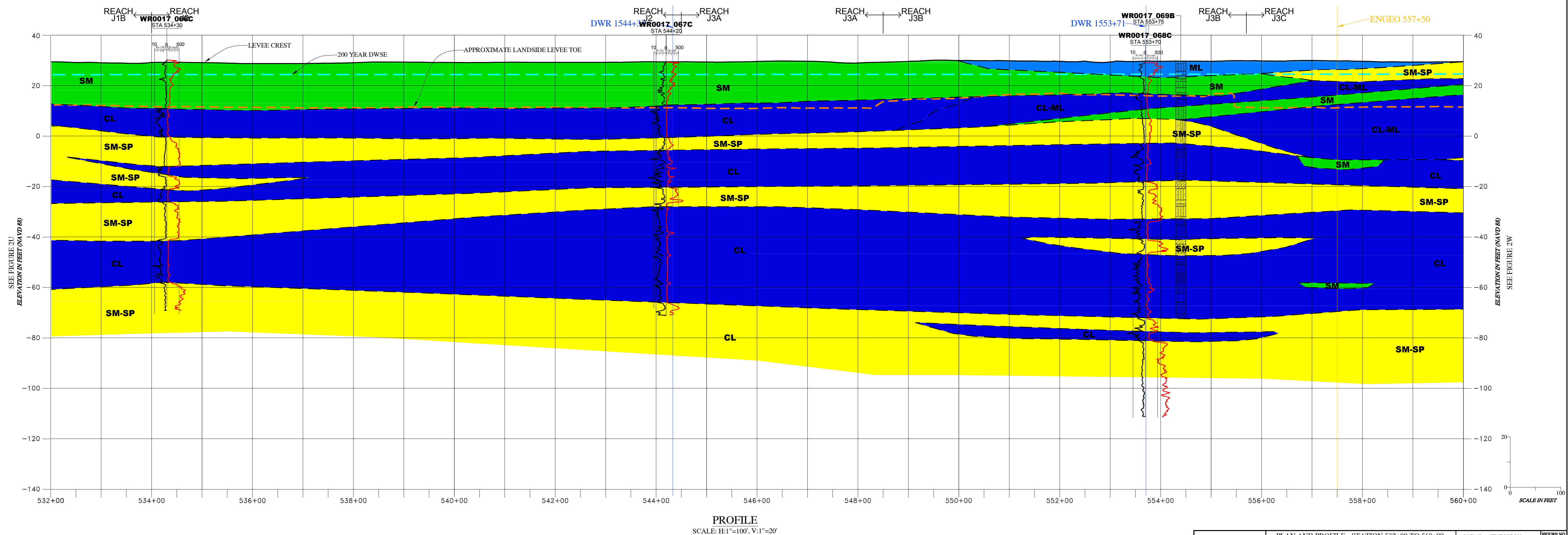


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

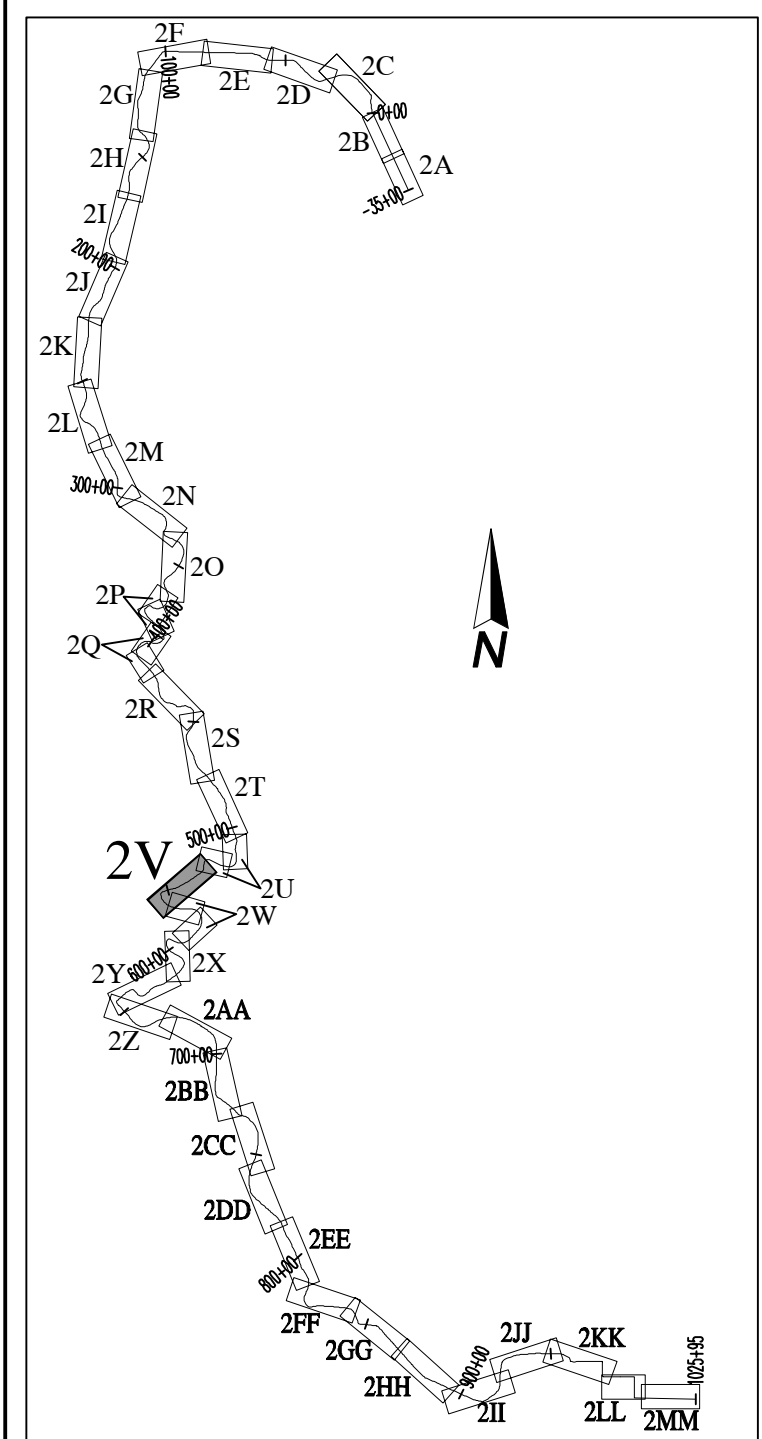
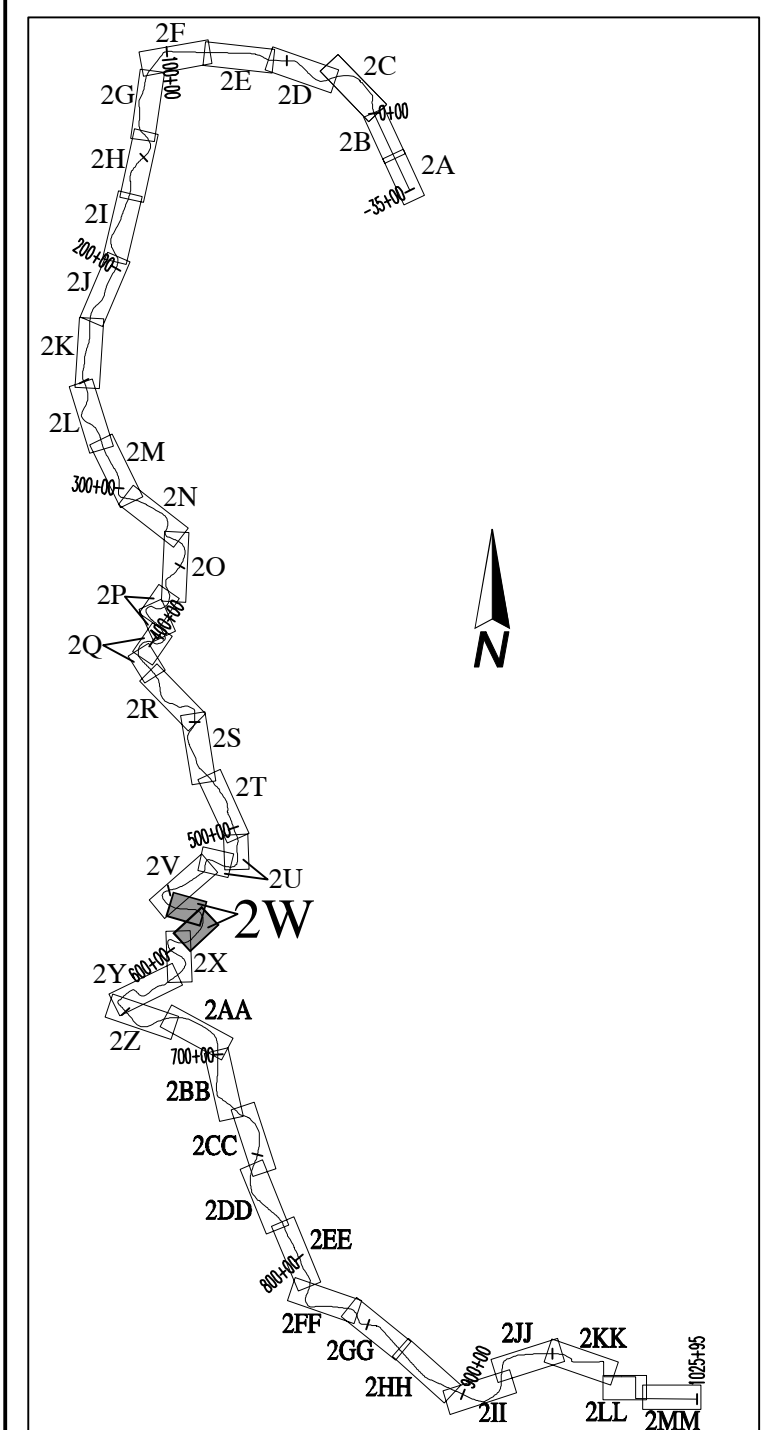
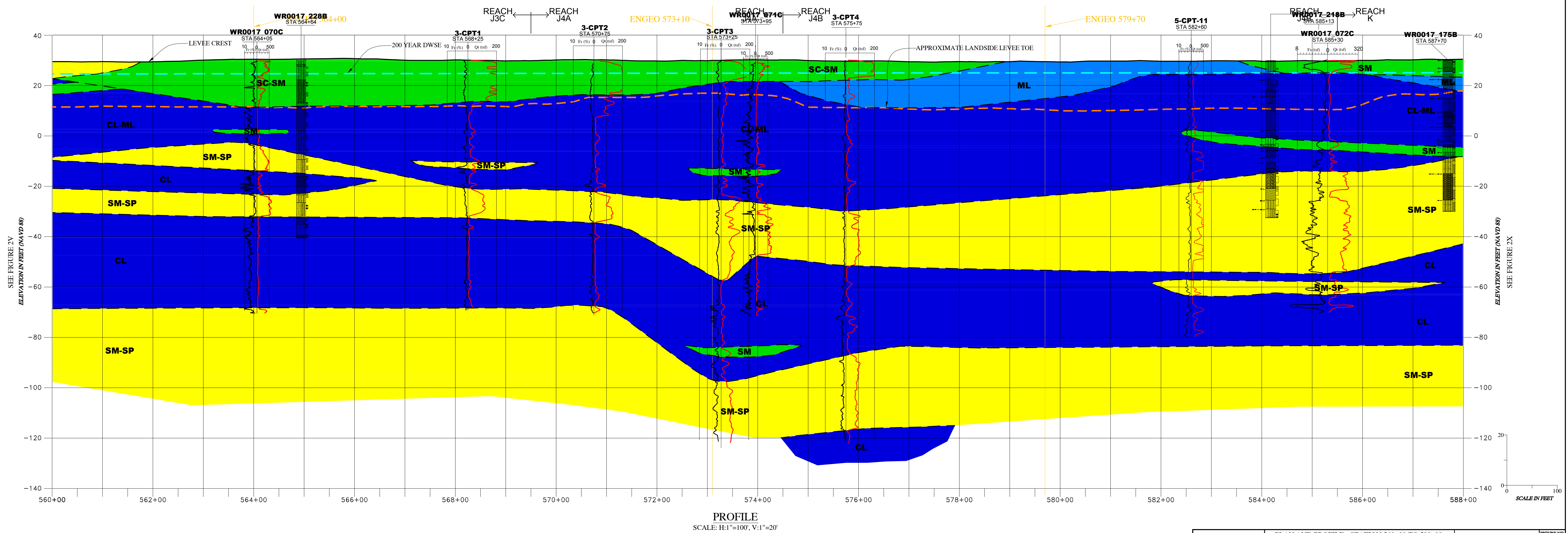
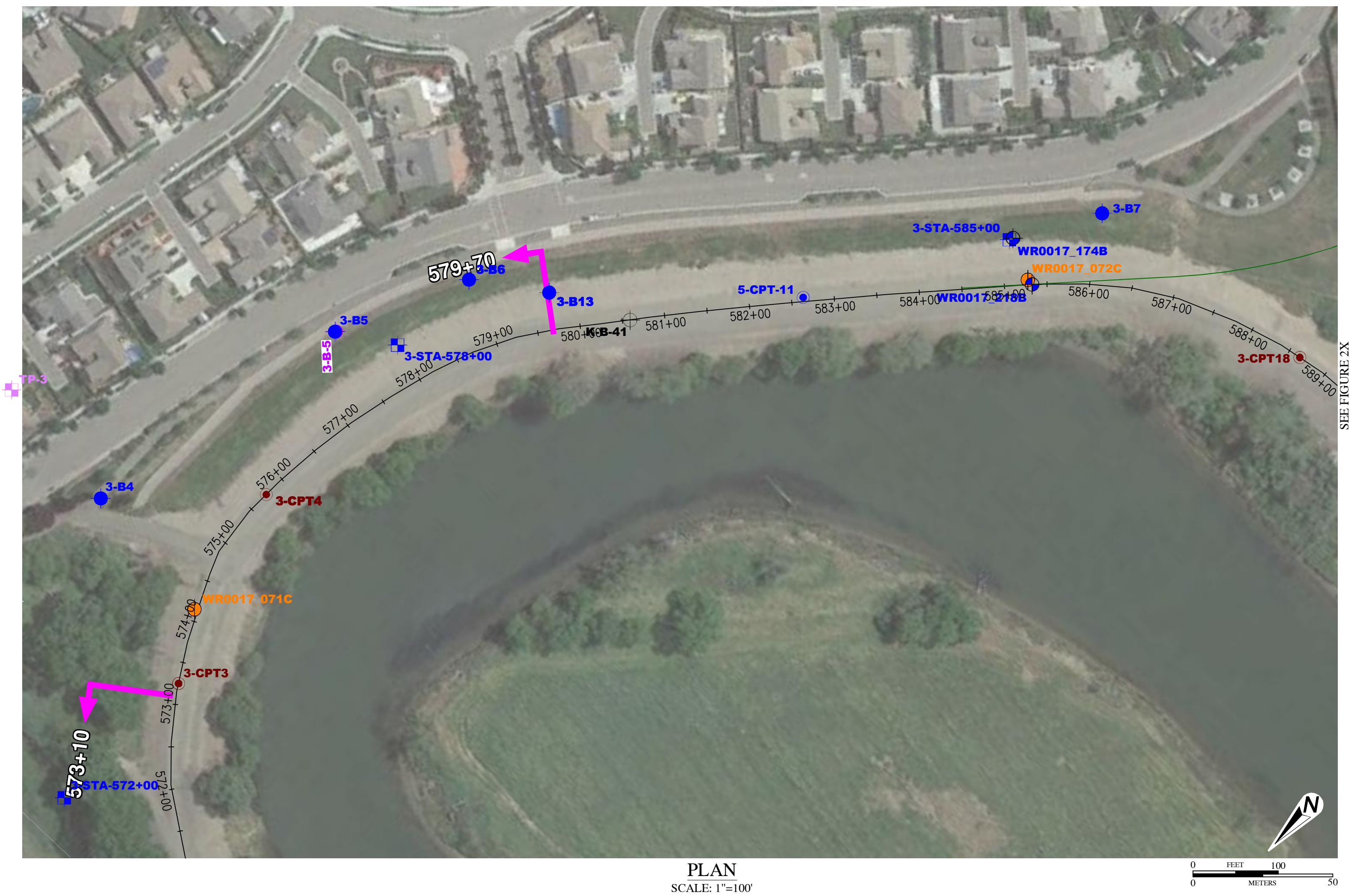
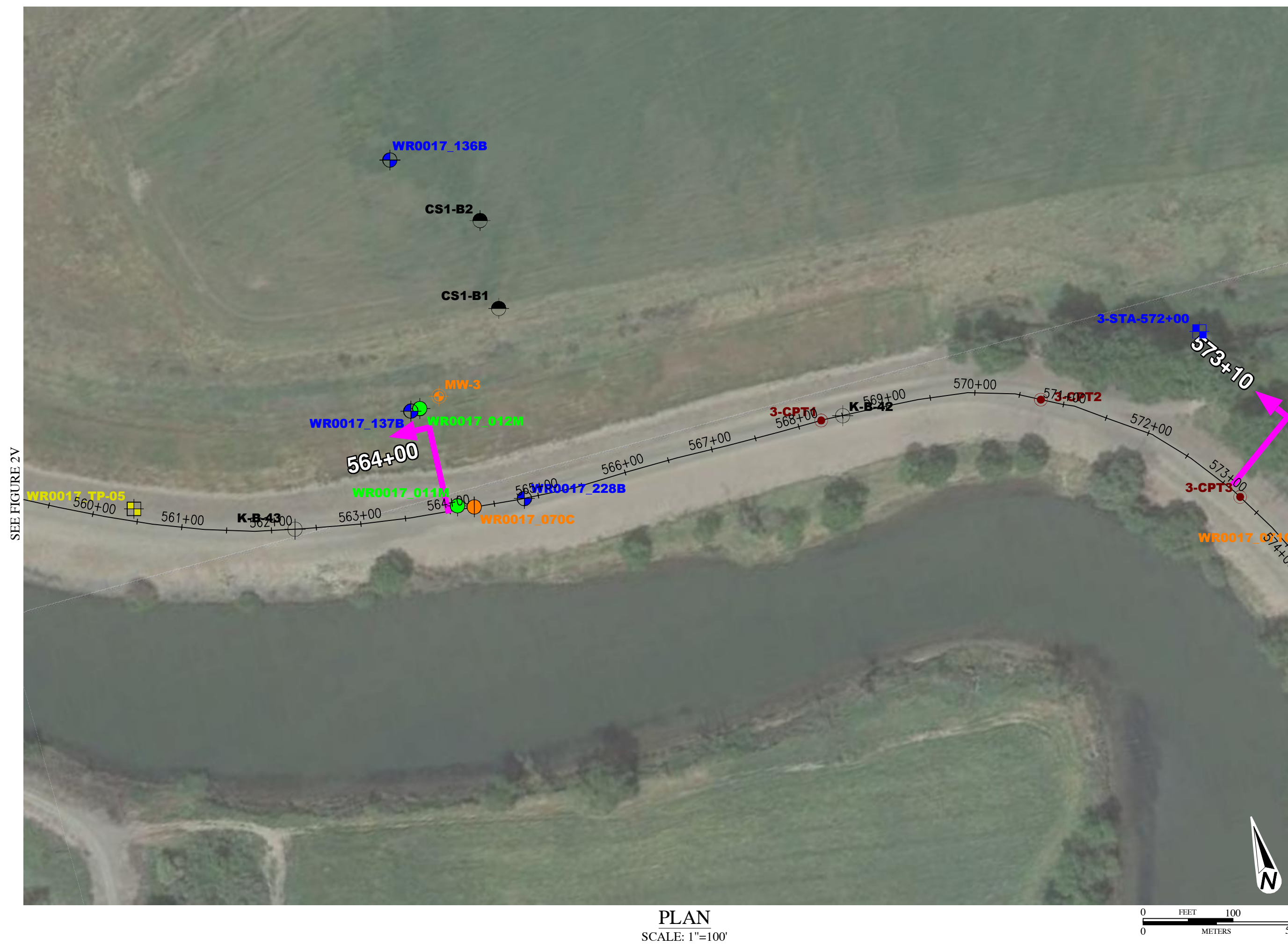
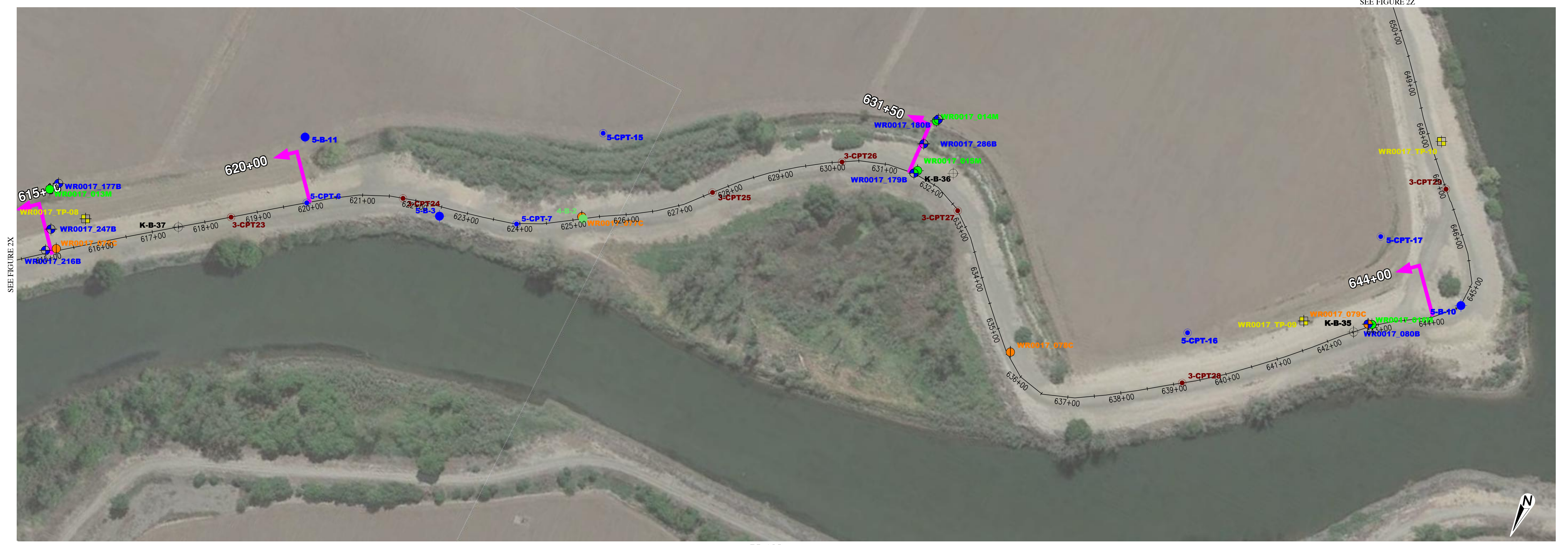


FIGURE LAYOUT
NO SCALE

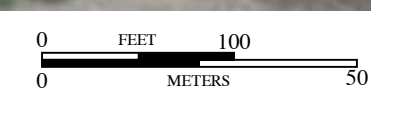
SEE FIGURE 1
FOR EXPLANATION



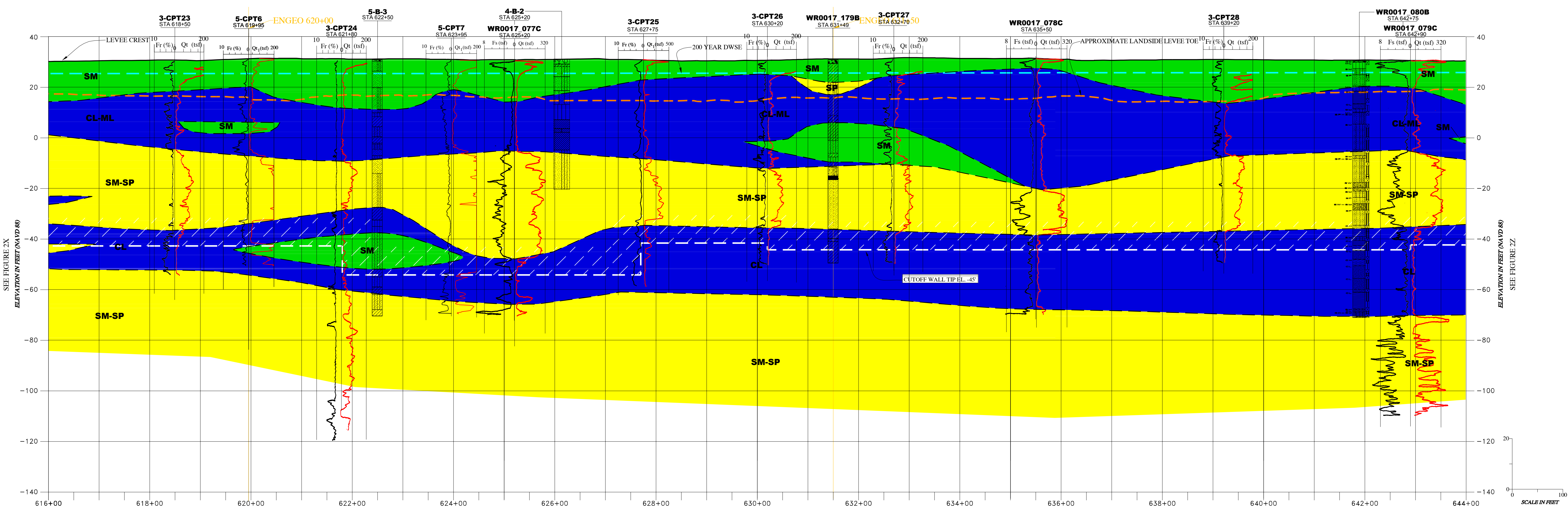
SEE FIGURE 2Z



PLAN
SCALE: 1"=100'



SEE FIGURE 1
FOR EXPLANATION



PROFILE
SCALE: H:1"=100', V:1"=20'

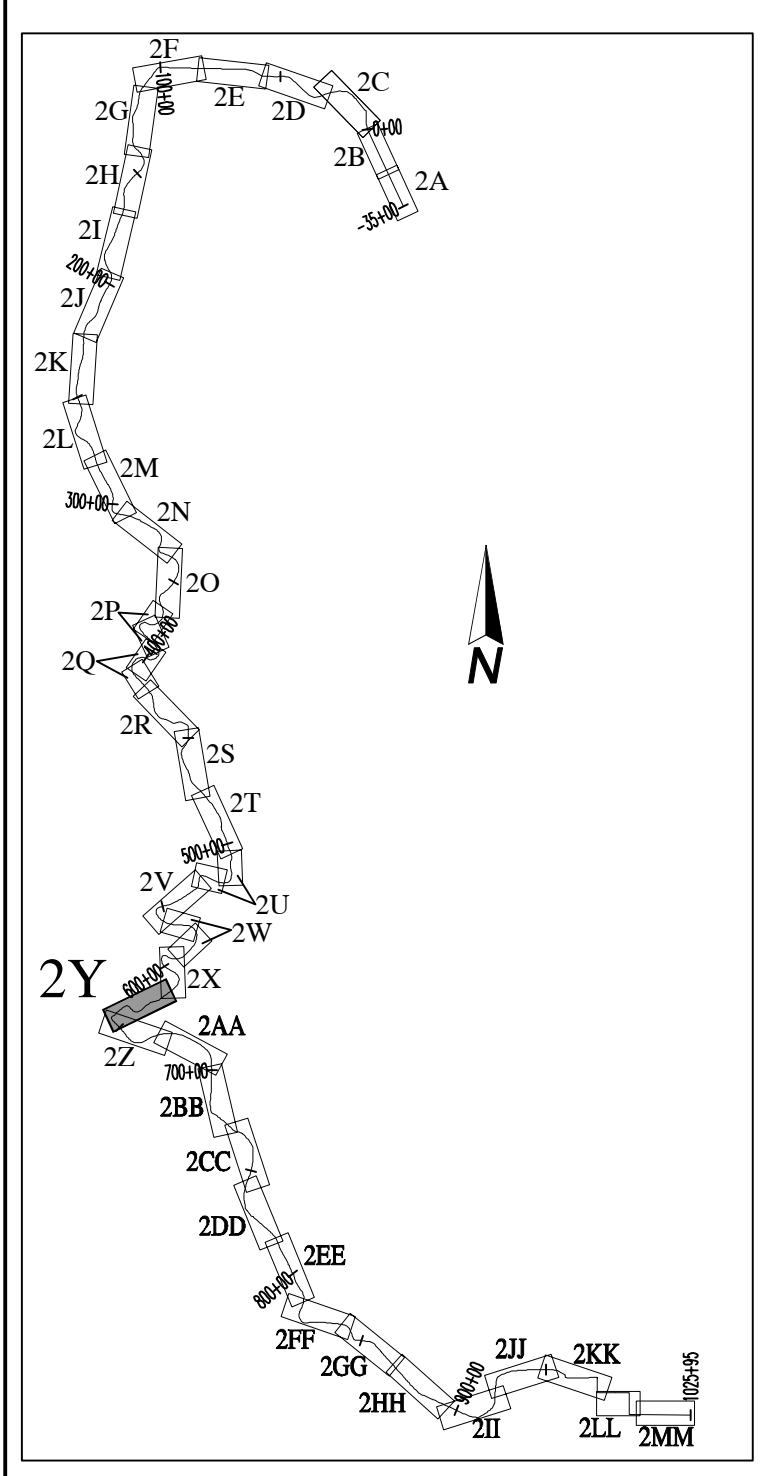


FIGURE LAYOUT
NO SCALE

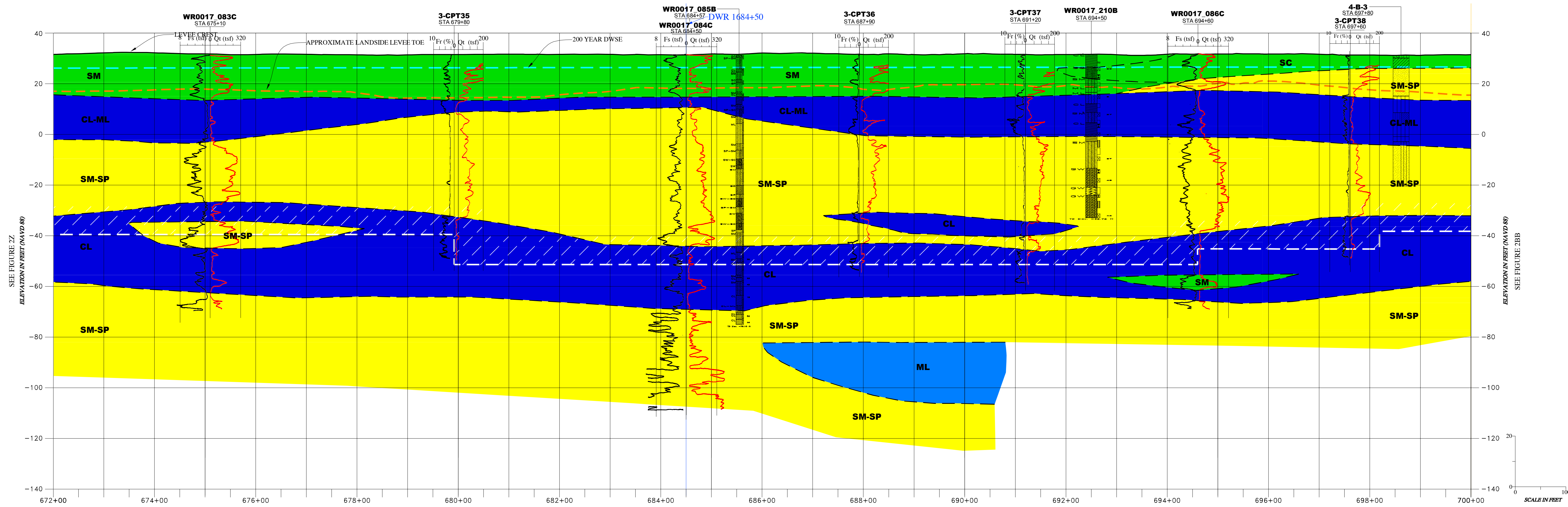
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SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'

SEE FIGURE 2BB
0 100 200
FEET METERS



PROFILE
SCALE: H:1"=100', V:1"=20'

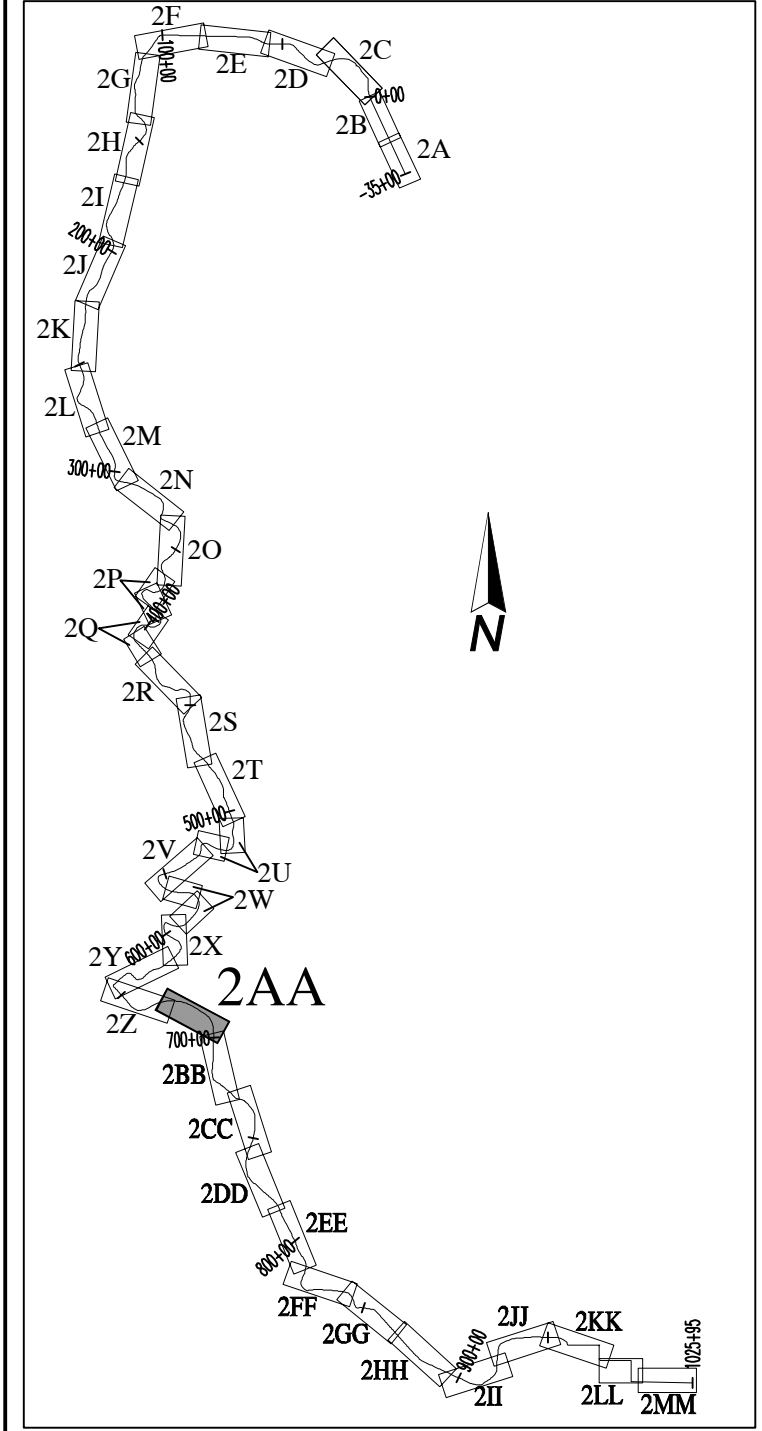
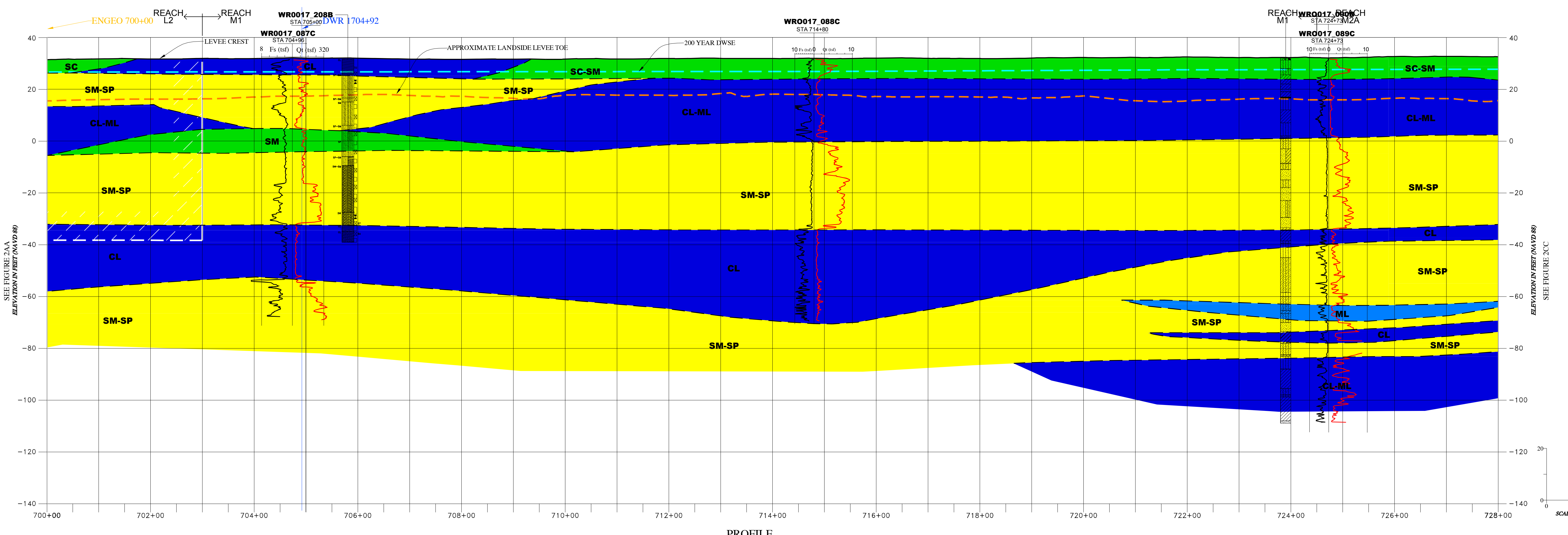


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1 FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

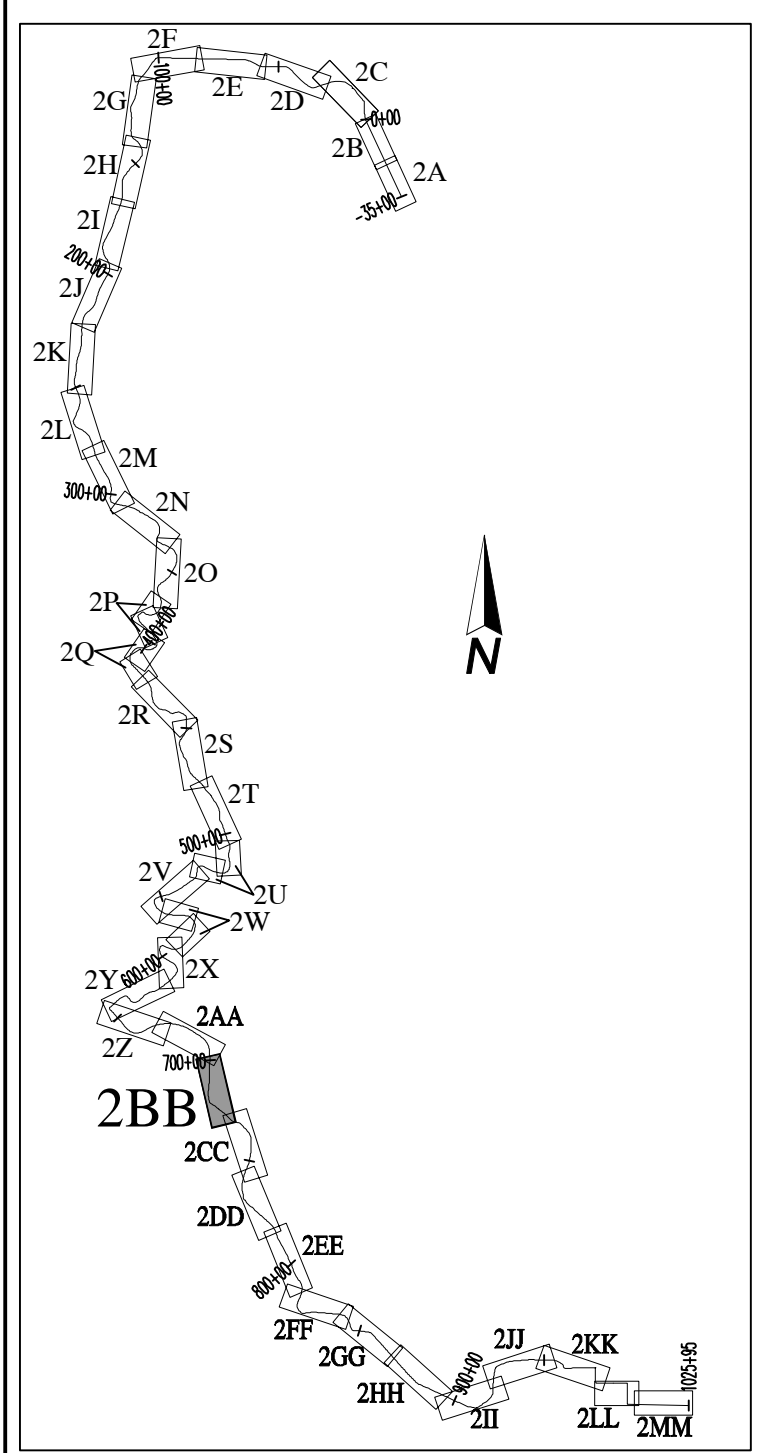
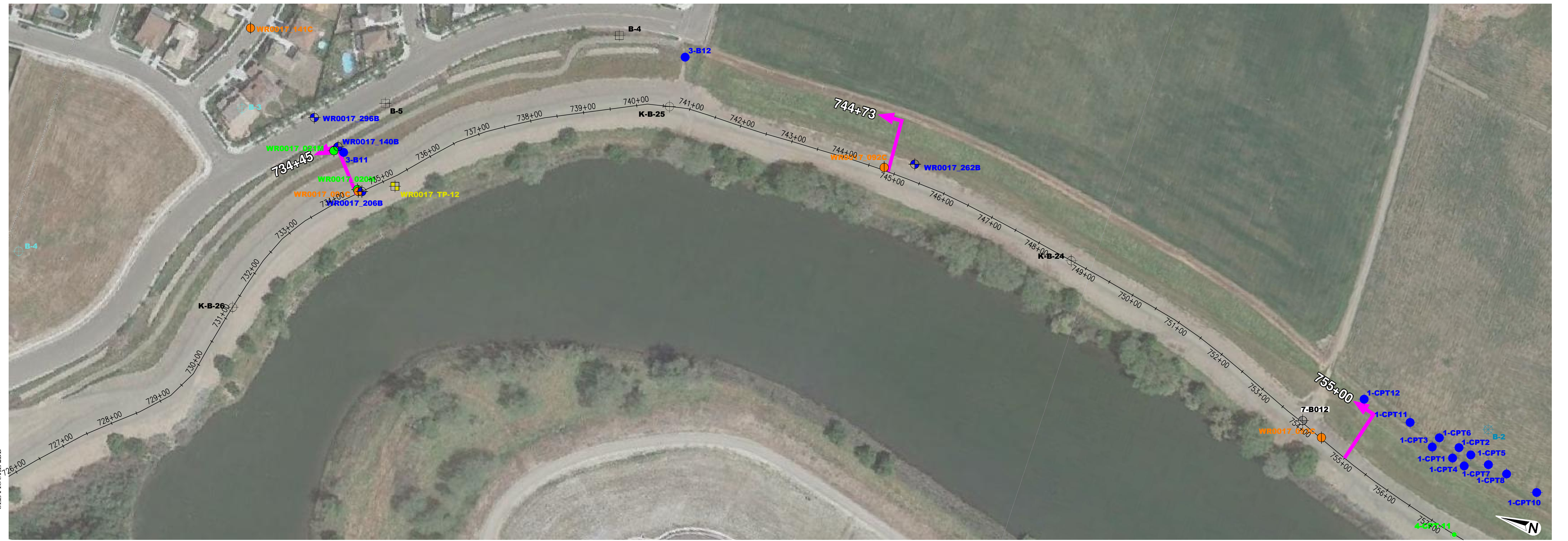


FIGURE LAYOUT
NO SCALE

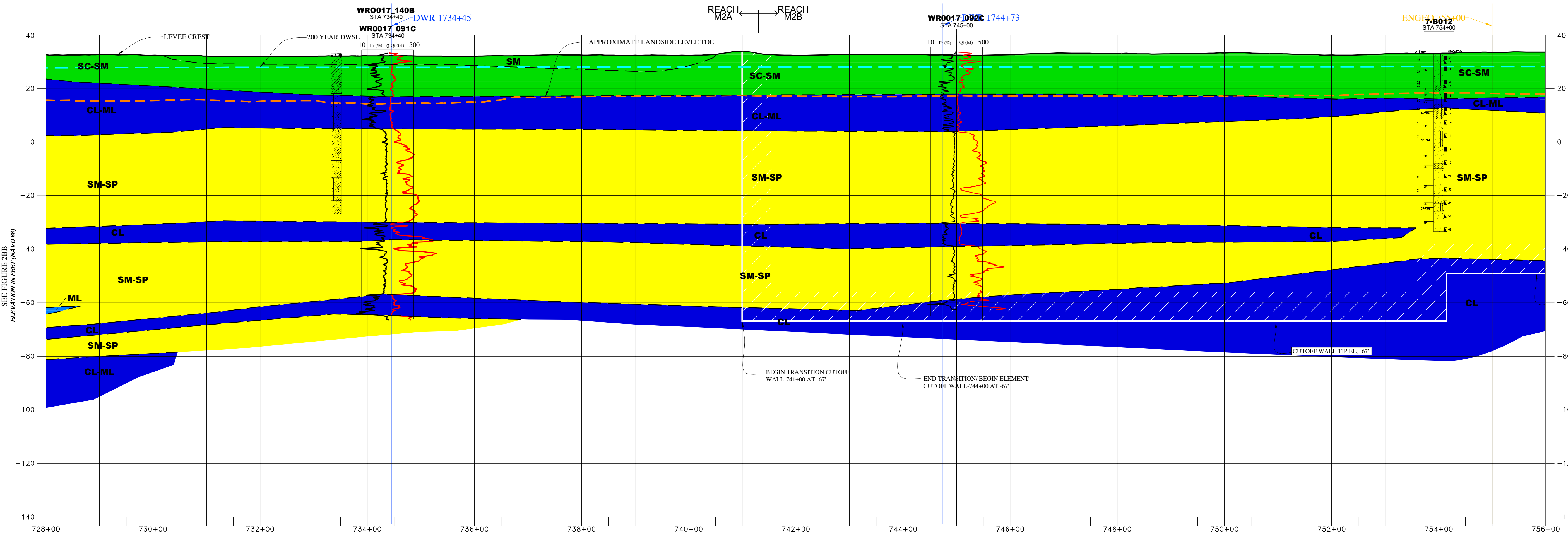
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SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'

SEE FIGURE 2DD
0 100
METERS



PROFILE
SCALE: H:1"=100', V:1"=20'

SEE FIGURE 2BB
ELEVATION IN FEET (NAVD 89)

ELEVATION IN FEET (NAVD 89)
SEE FIGURE 2DD

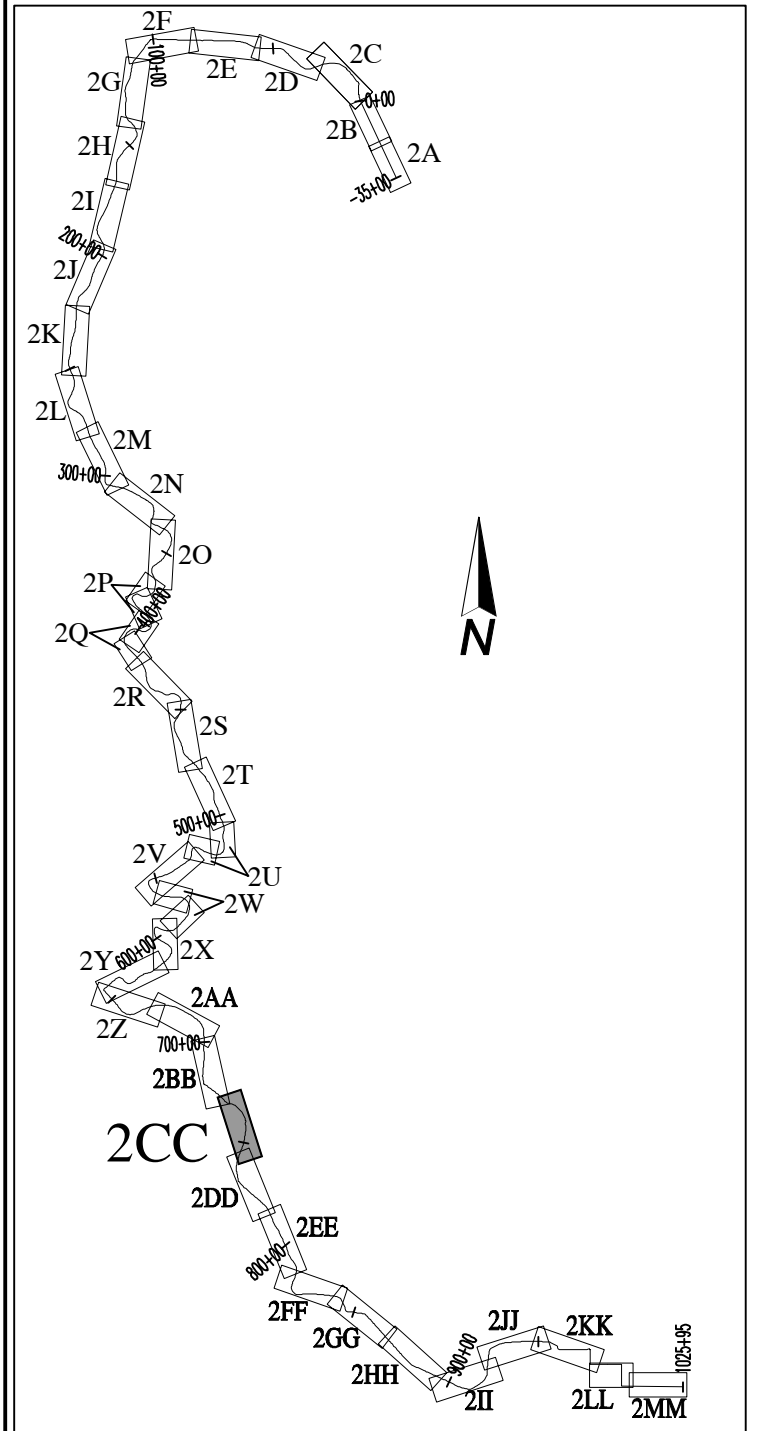
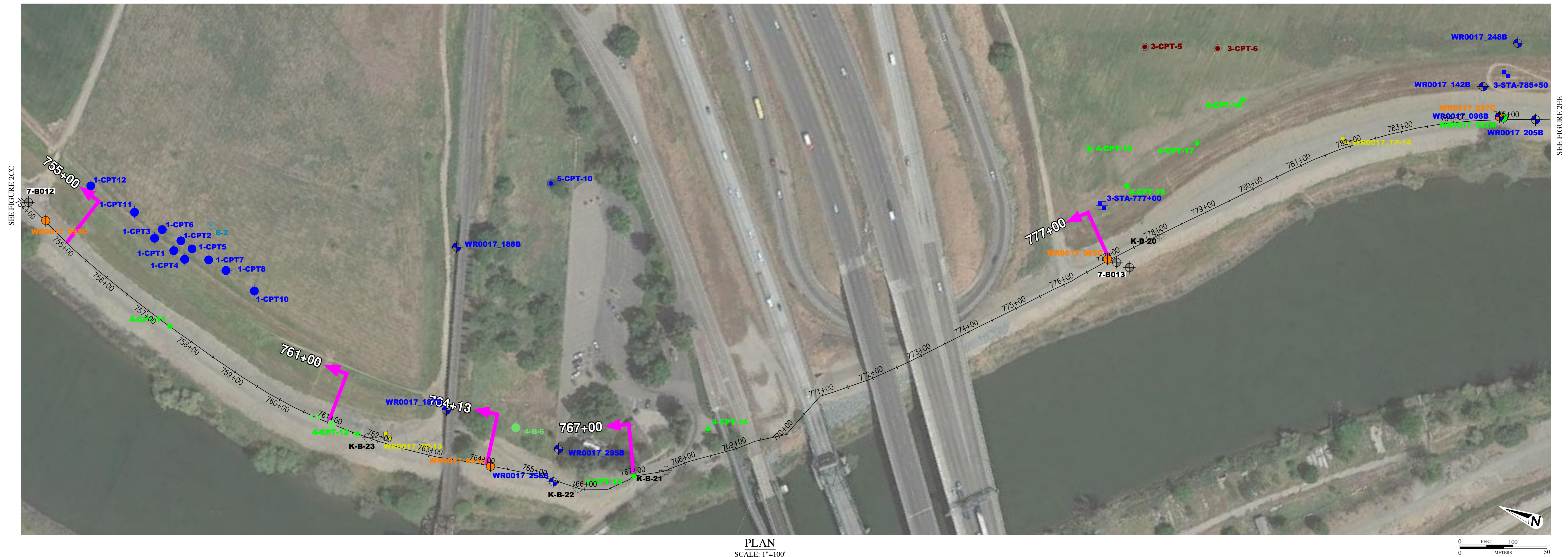
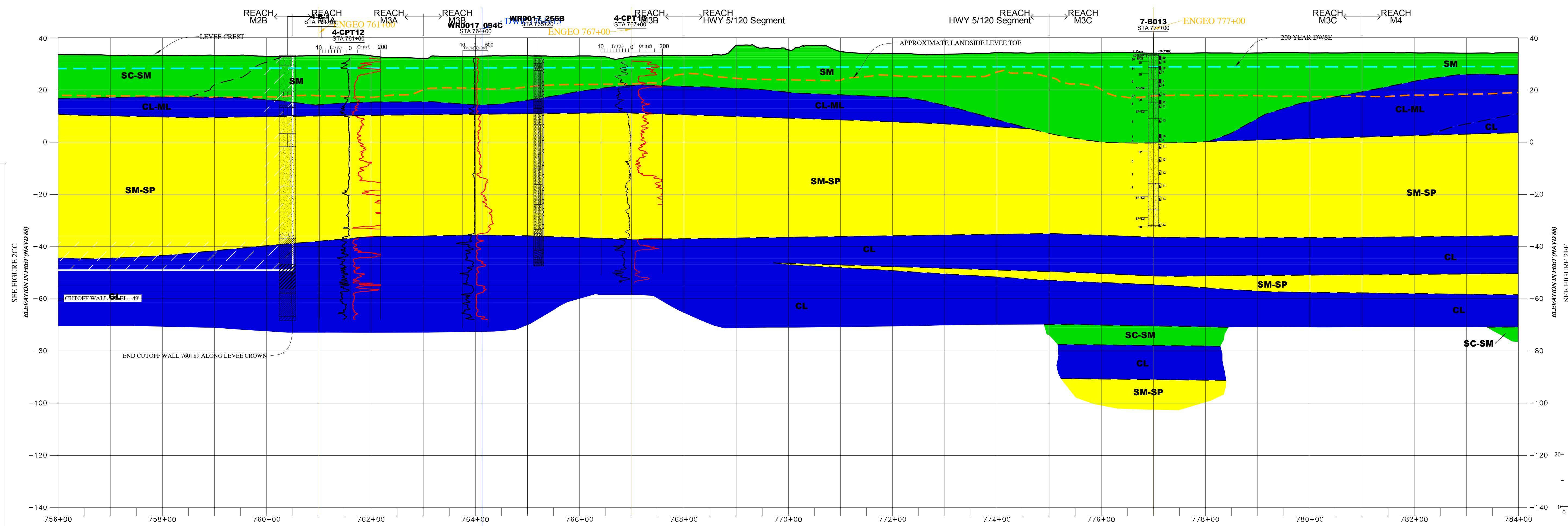


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

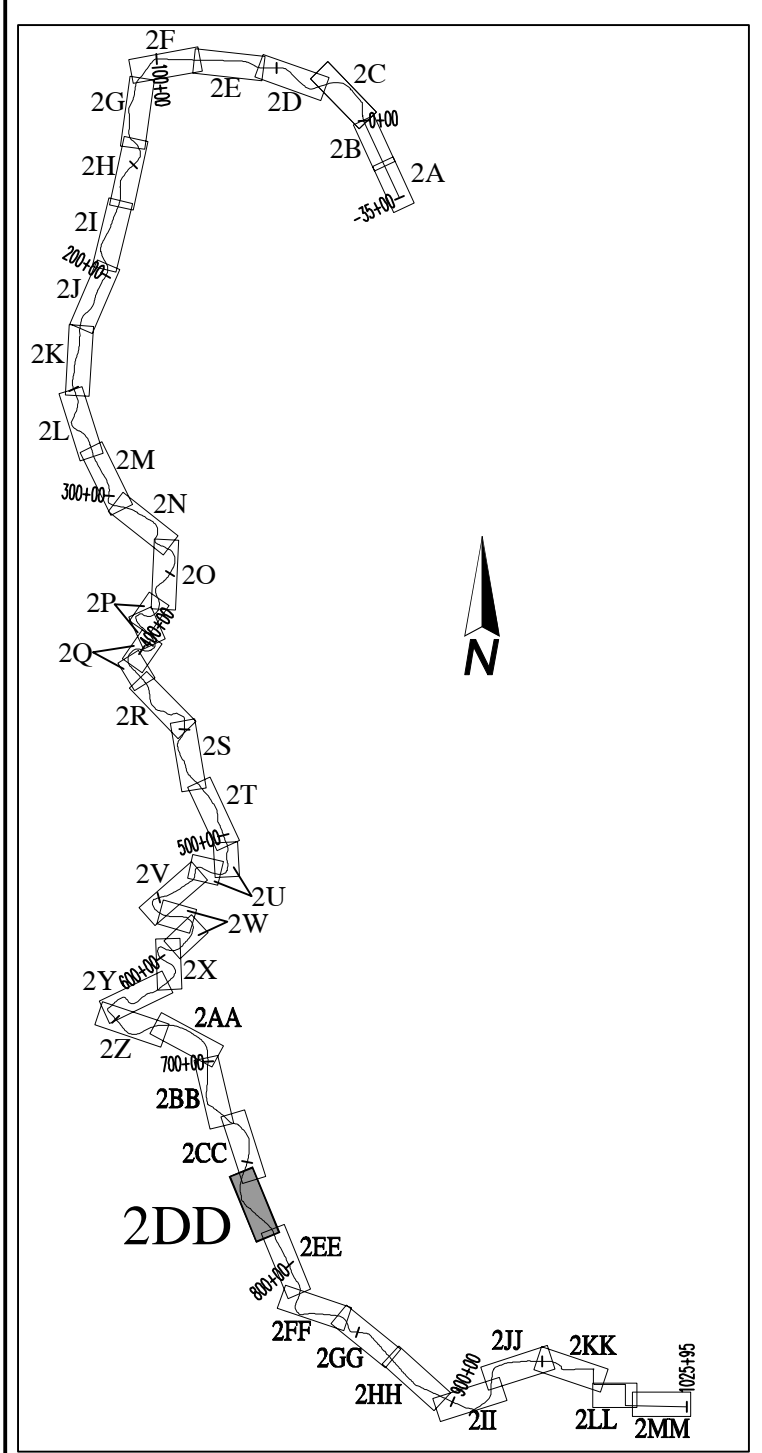
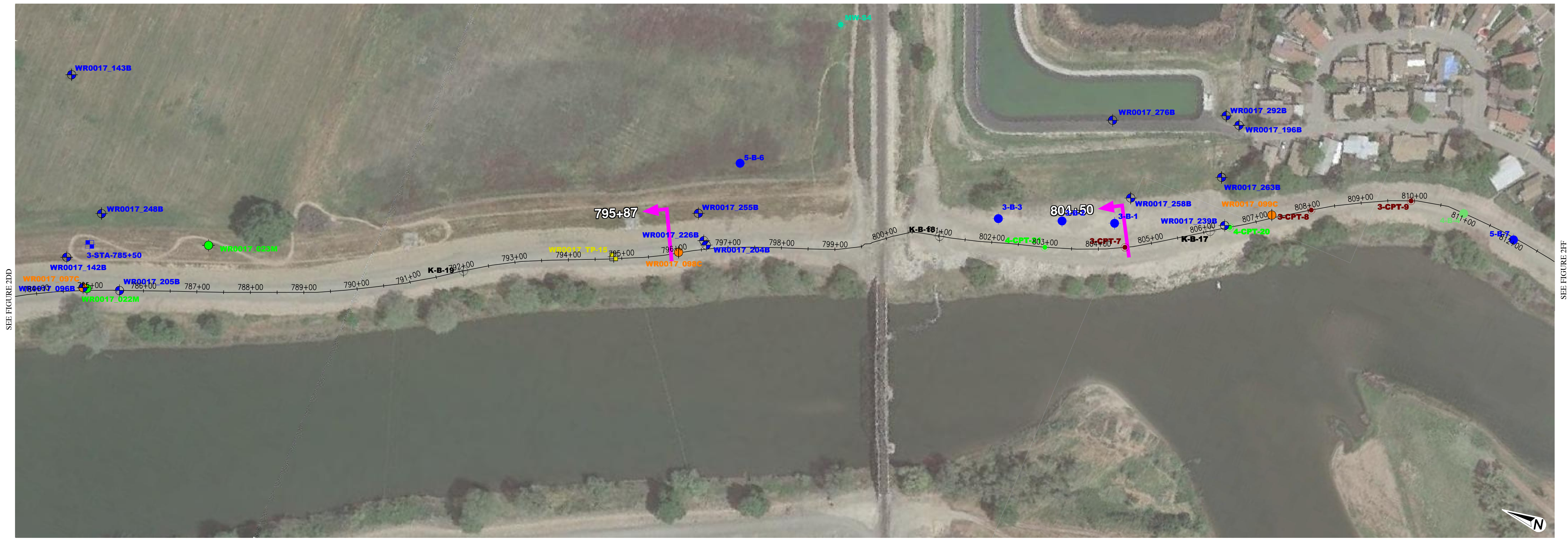
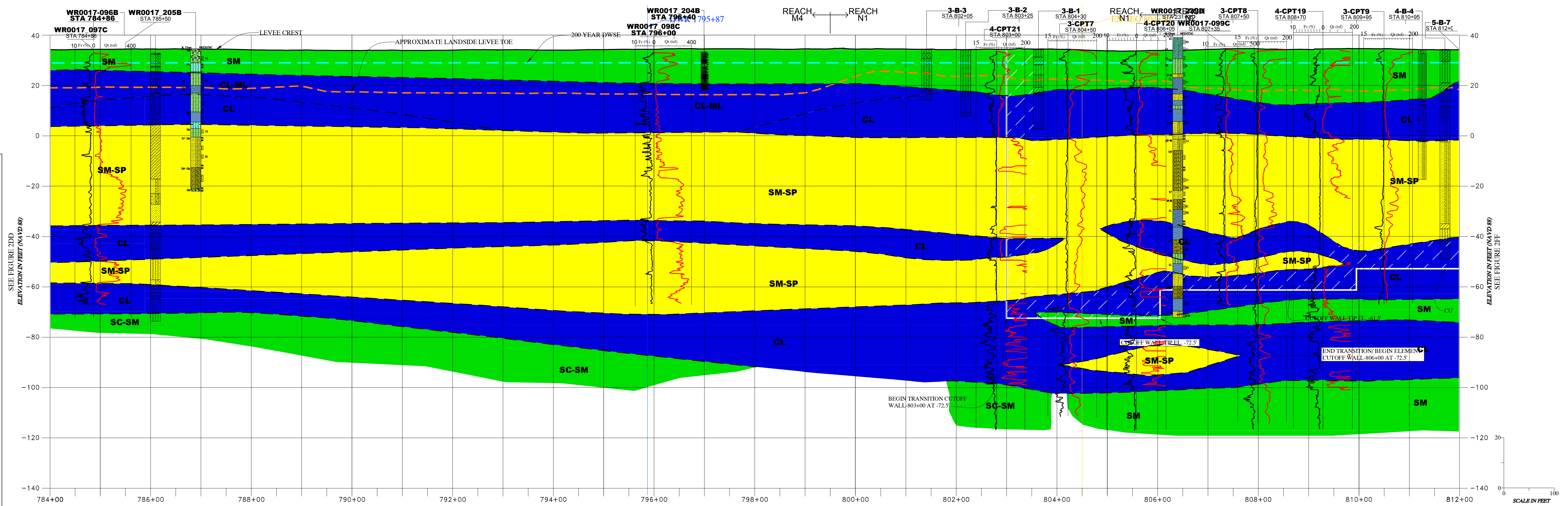


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

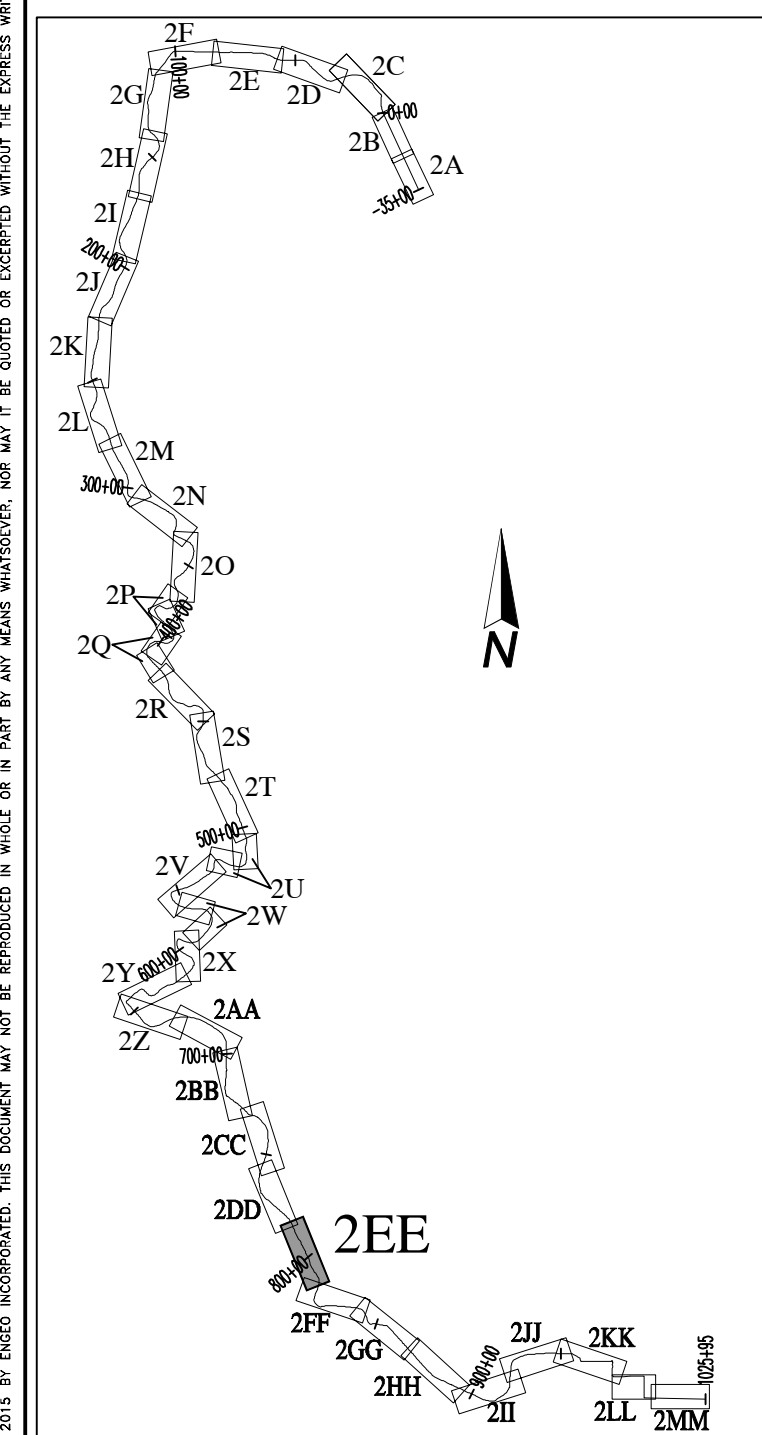
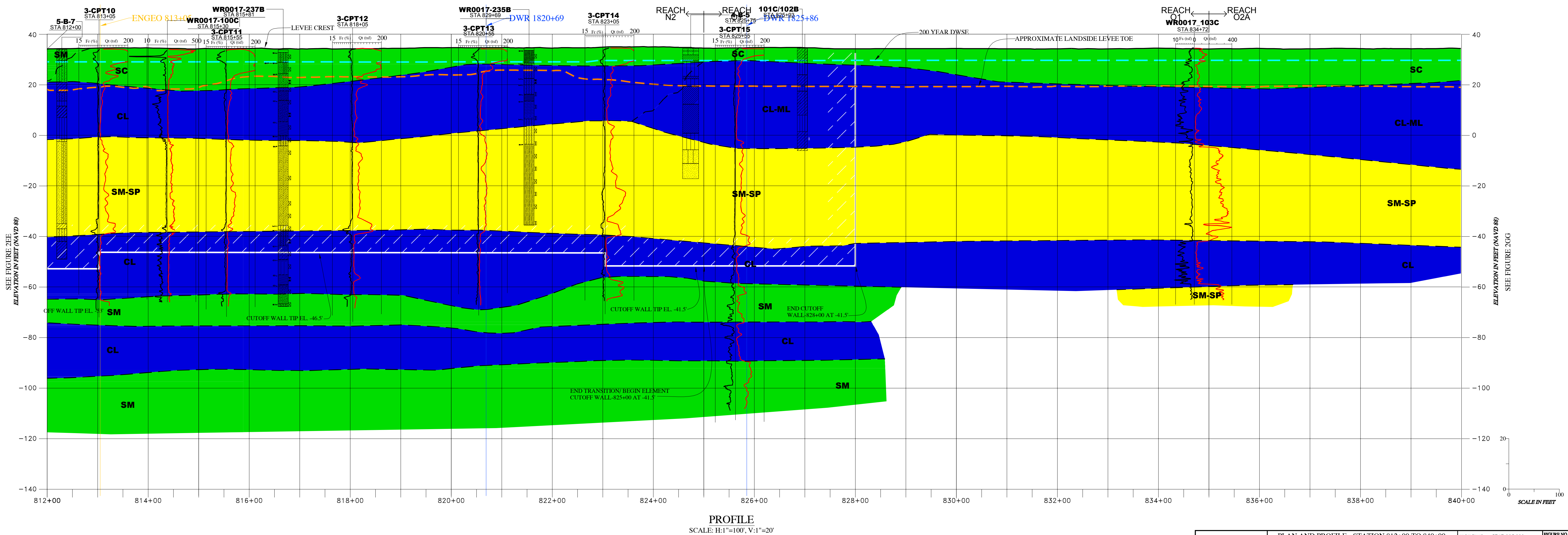


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

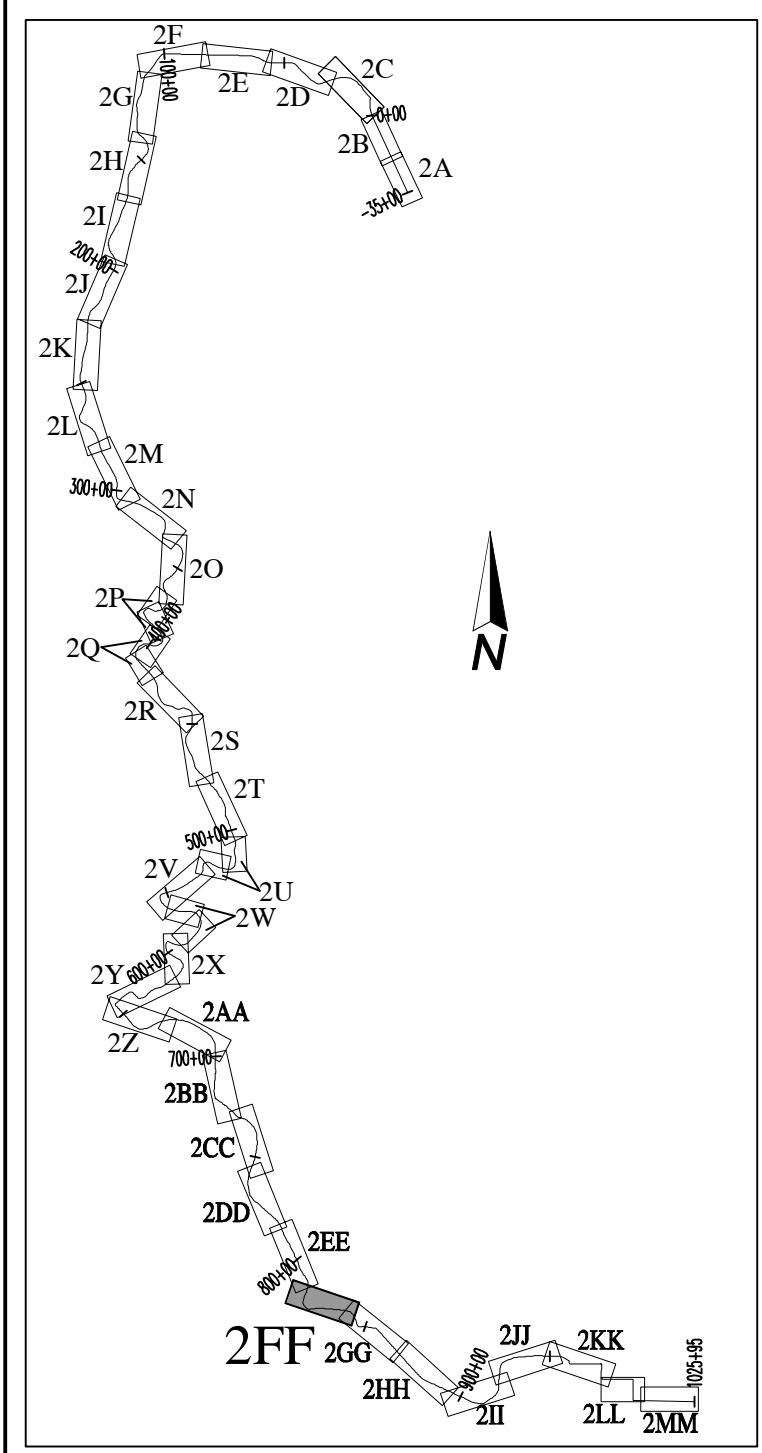
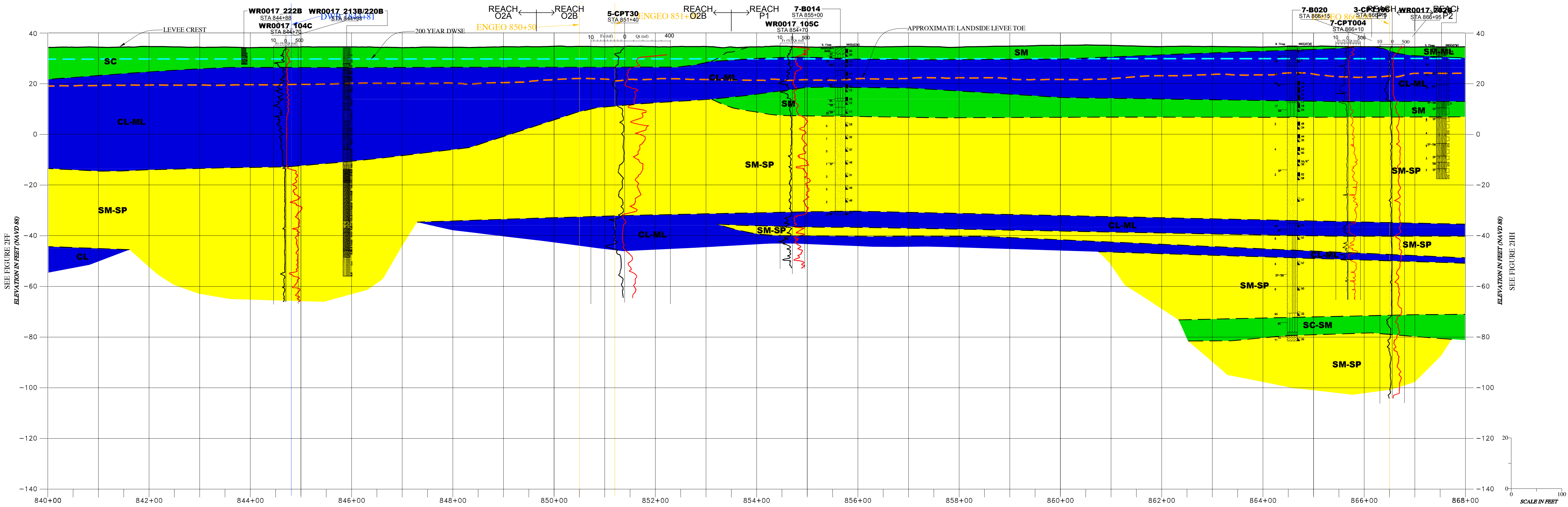


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

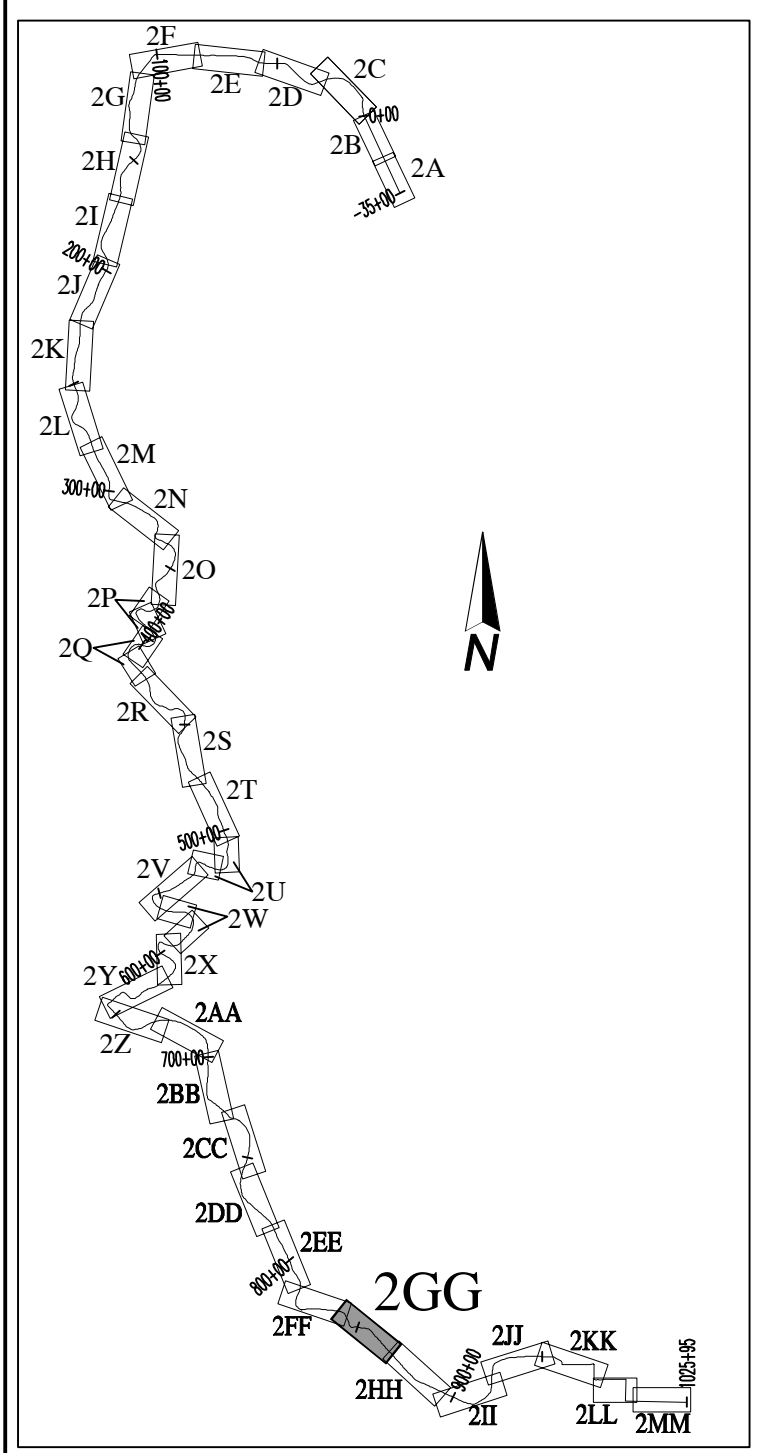
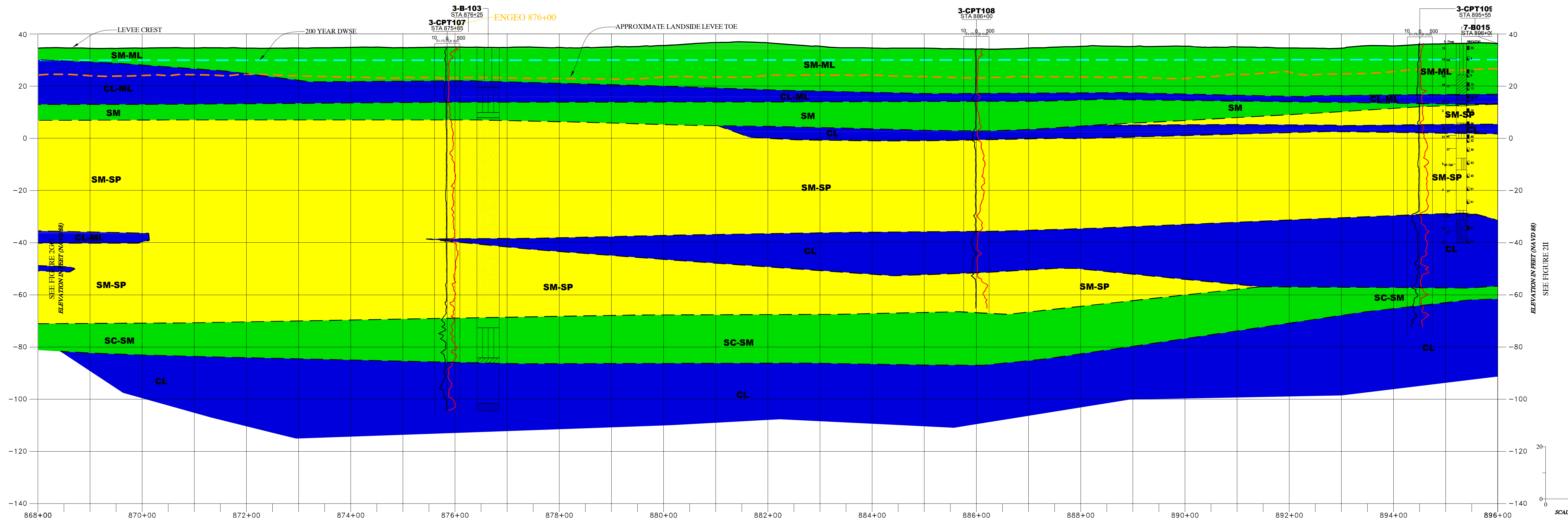


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

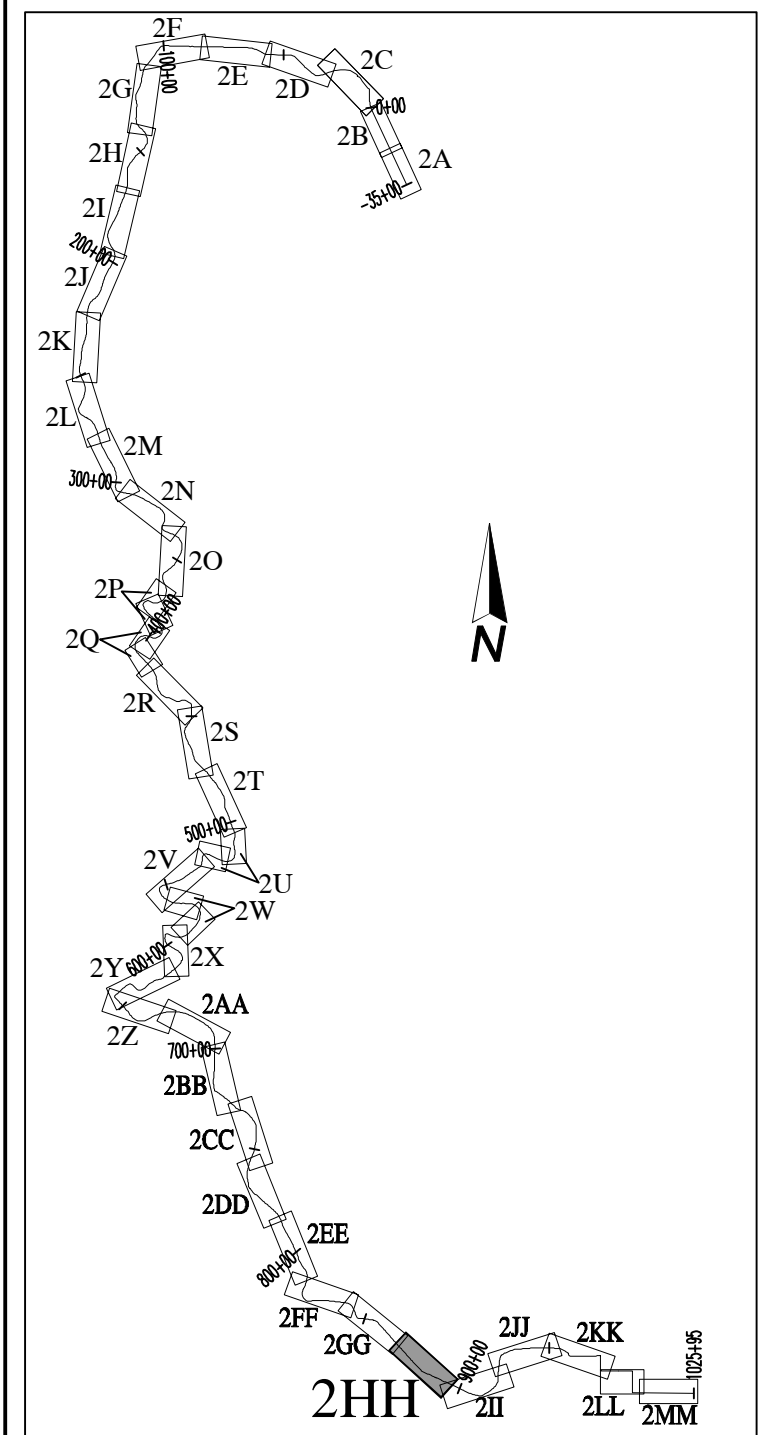
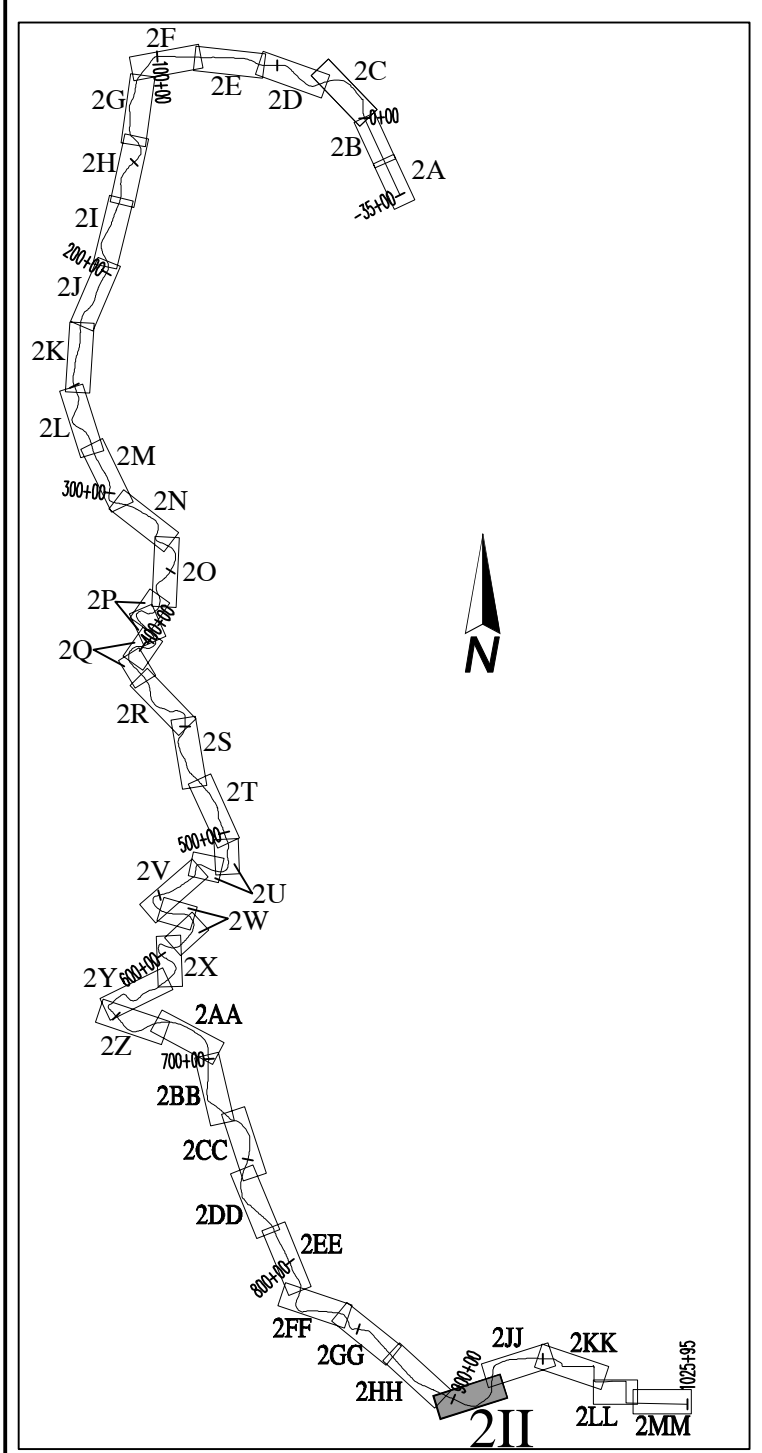
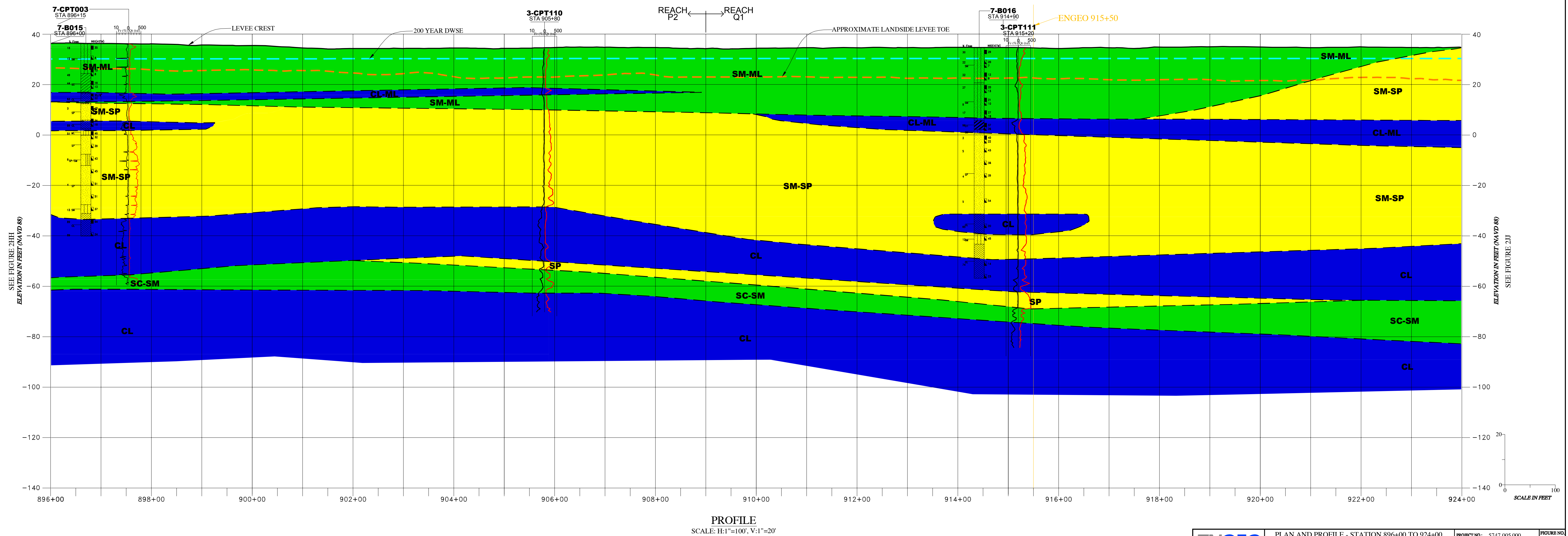


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



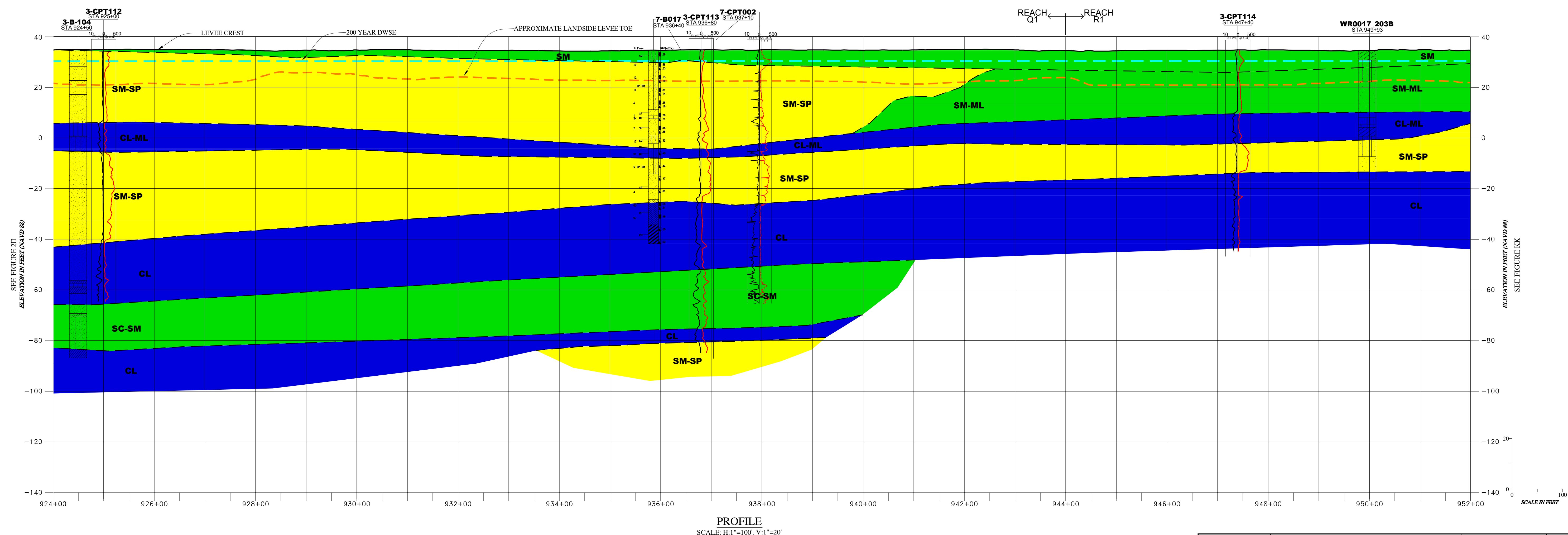
SEE FIGURE 1
FOR EXPLANATION



SEE FIGURE 2II

PLAN
SCALE: 1"=100'

SEE FIGURE 2KK



PROFILE
SCALE: H:1"=100', V:1"=20'

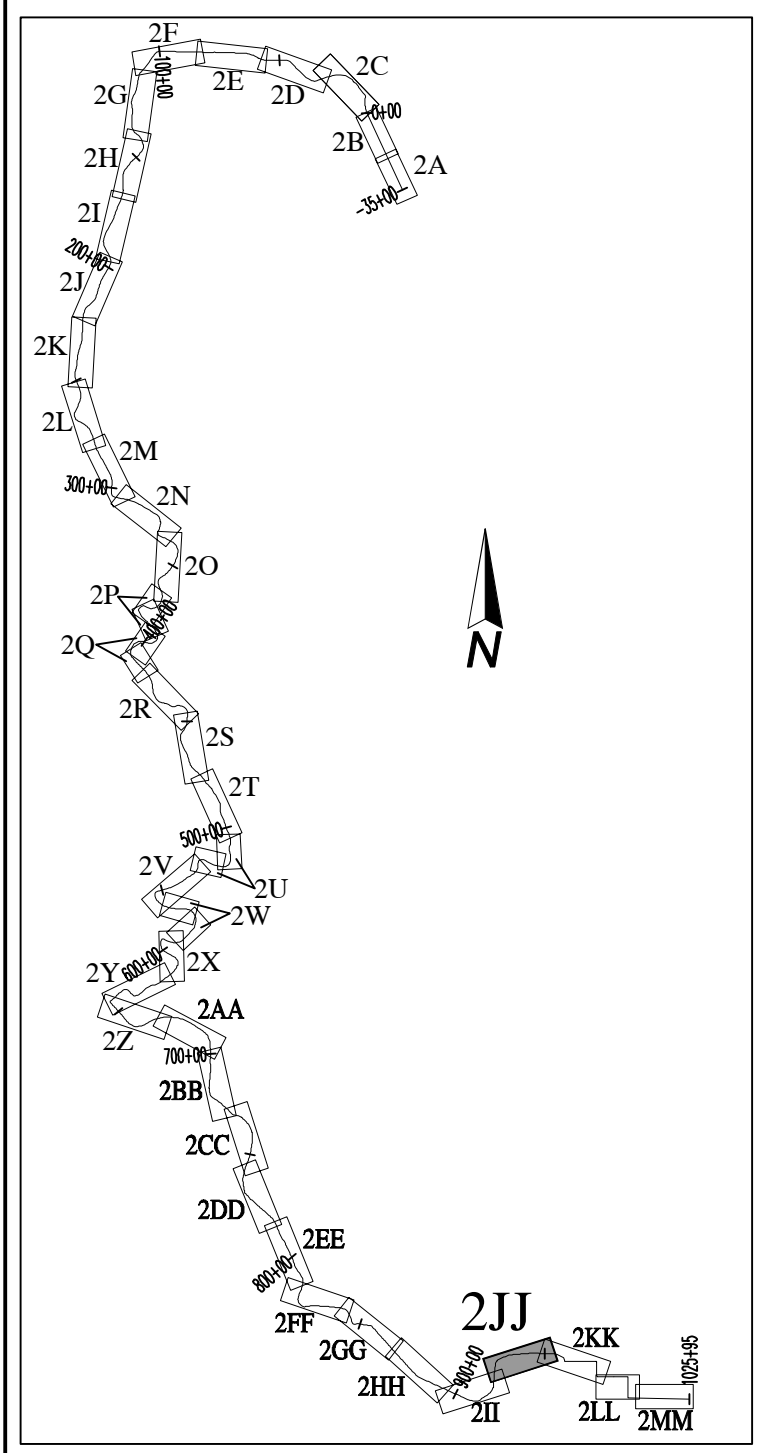
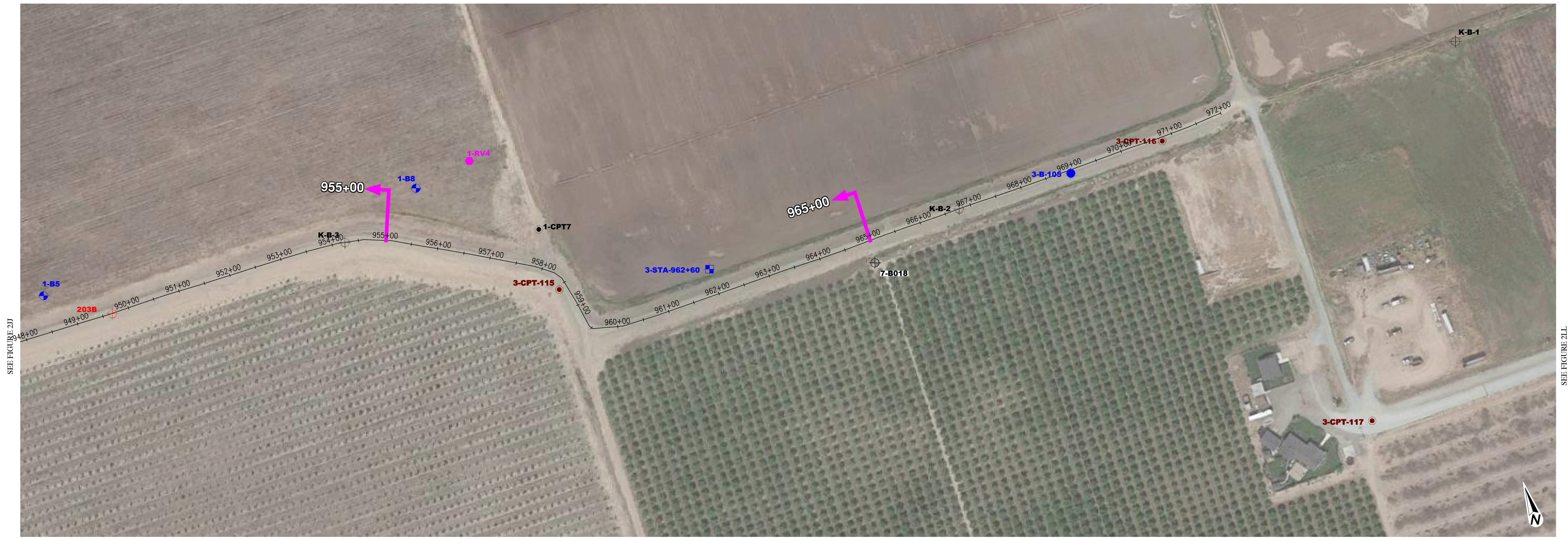
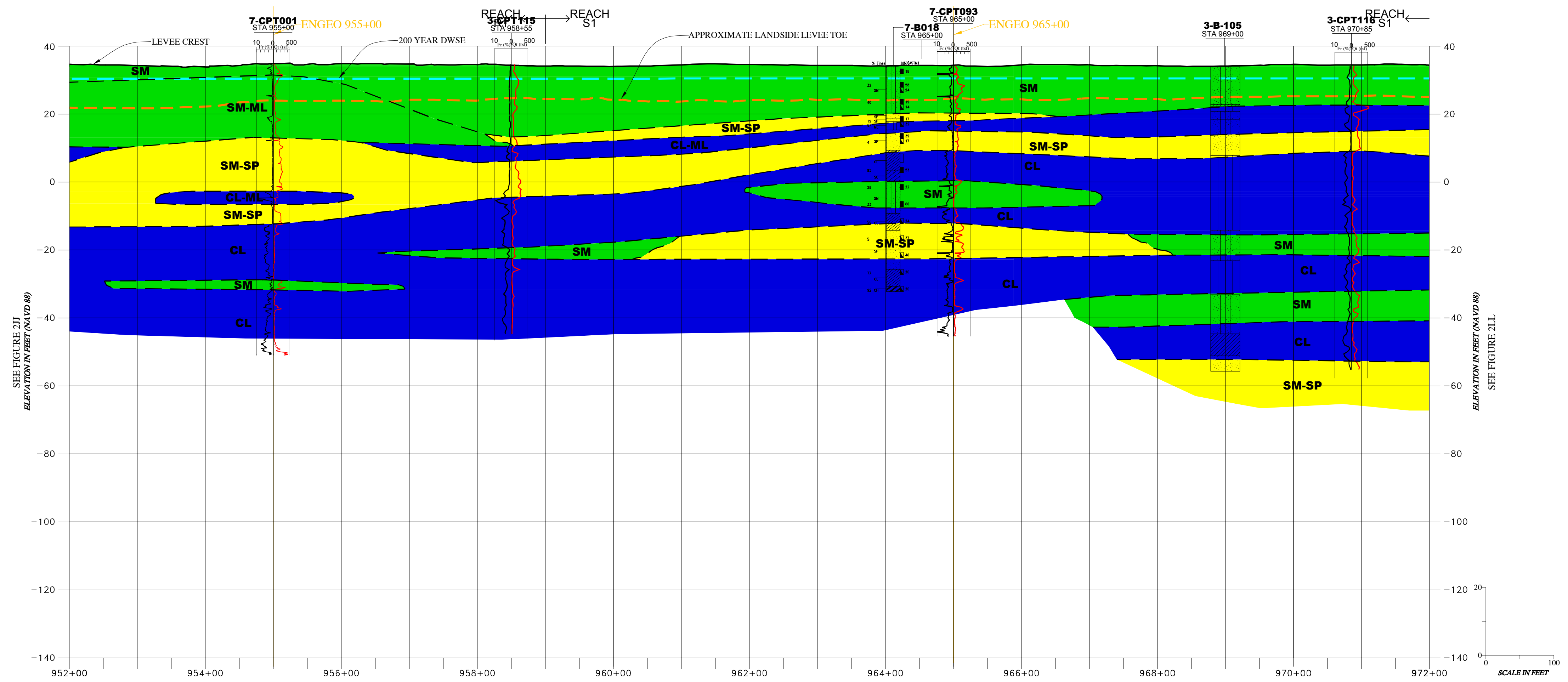


FIGURE LAYOUT
NO SCALE

SEE FIGURE 1
FOR EXPLANATION



PLAN
SCALE: 1"=100'



PROFILE
SCALE: H:1"=100', V:1"=20'

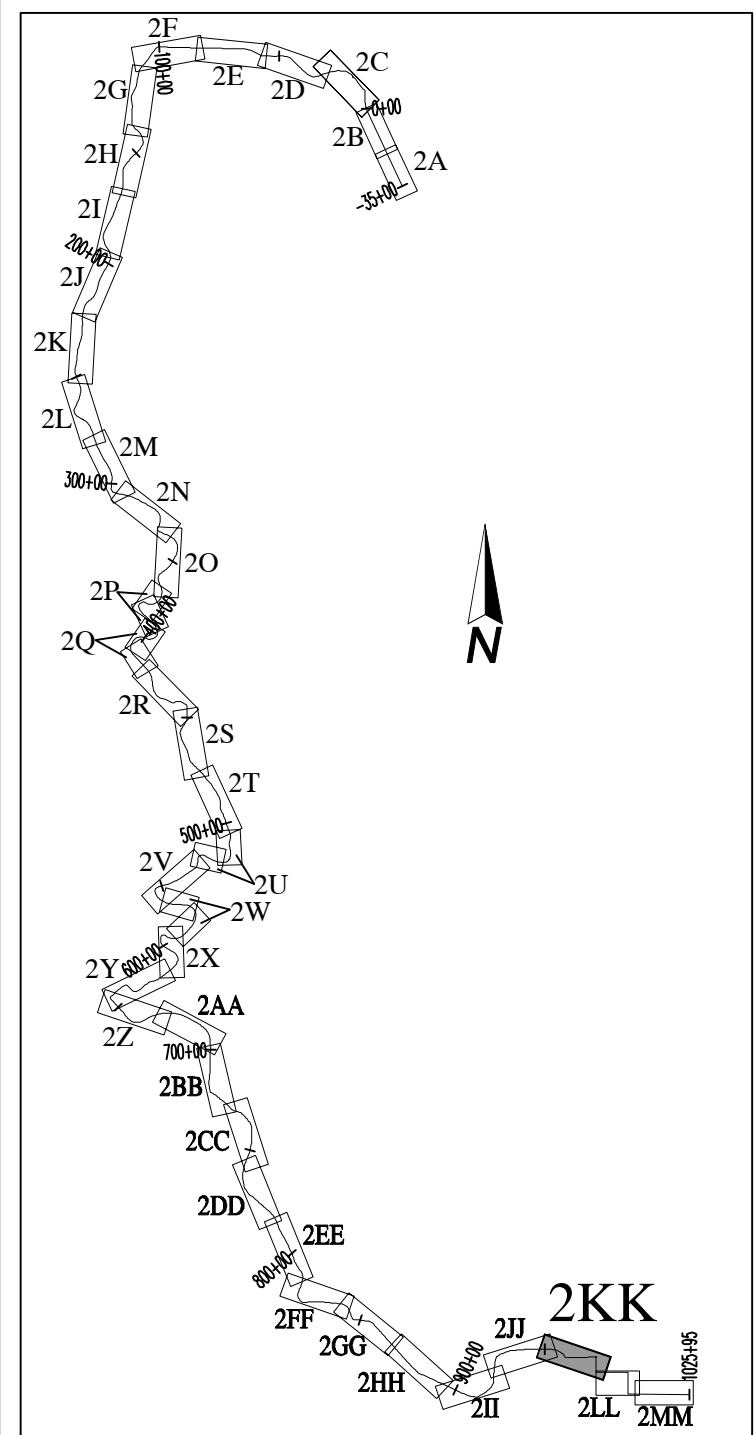


FIGURE LAYOUT
NO SCALE

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SEE FIGURE 1
FOR EXPLANATION

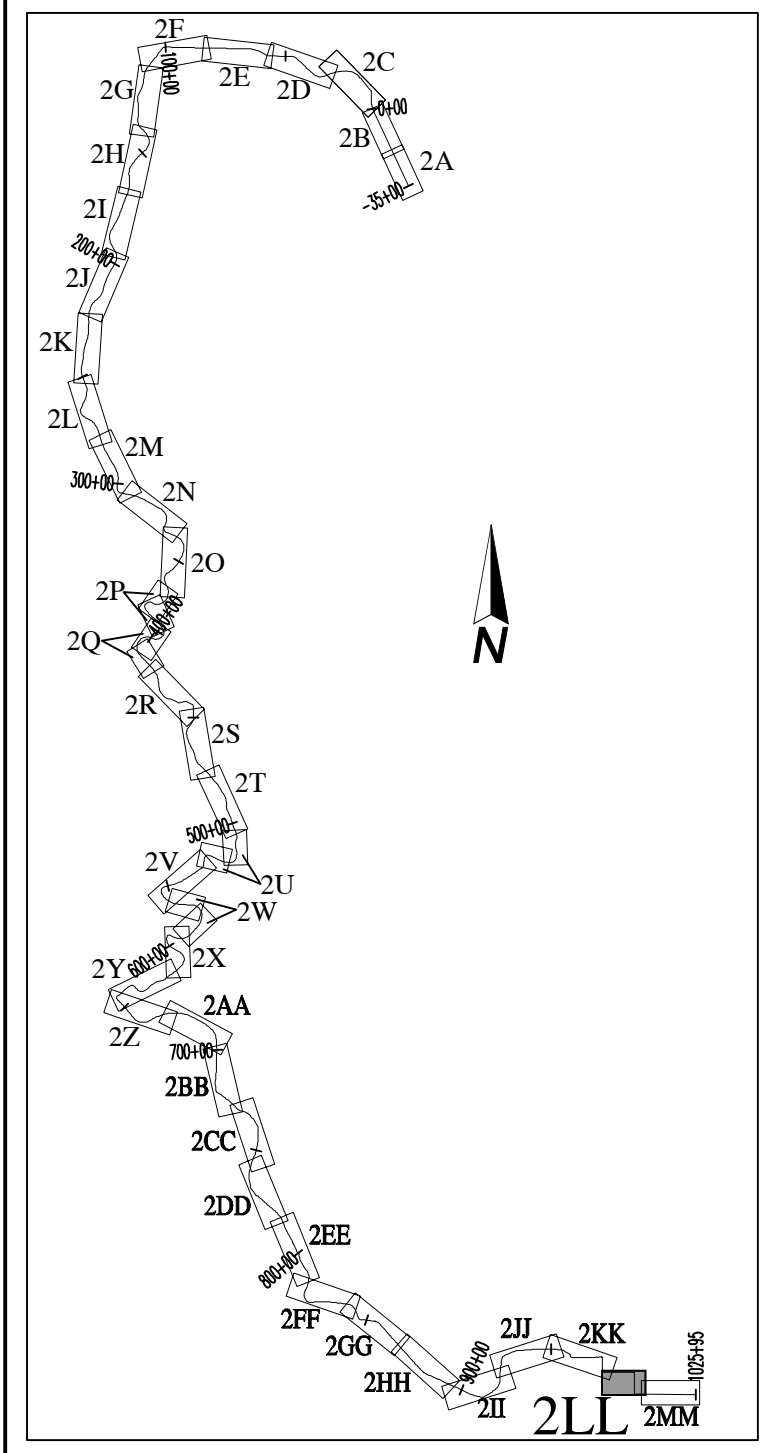


FIGURE LAYOUT
NO SCALE



PLAN
SCALE: 1"=100'



SEE FIGURE 2KK

SEE FIGURE 2MM

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SEE FIGURE 1
FOR EXPLANATION

SEE FIGURE 2LL



PLAN
SCALE 1"=100'

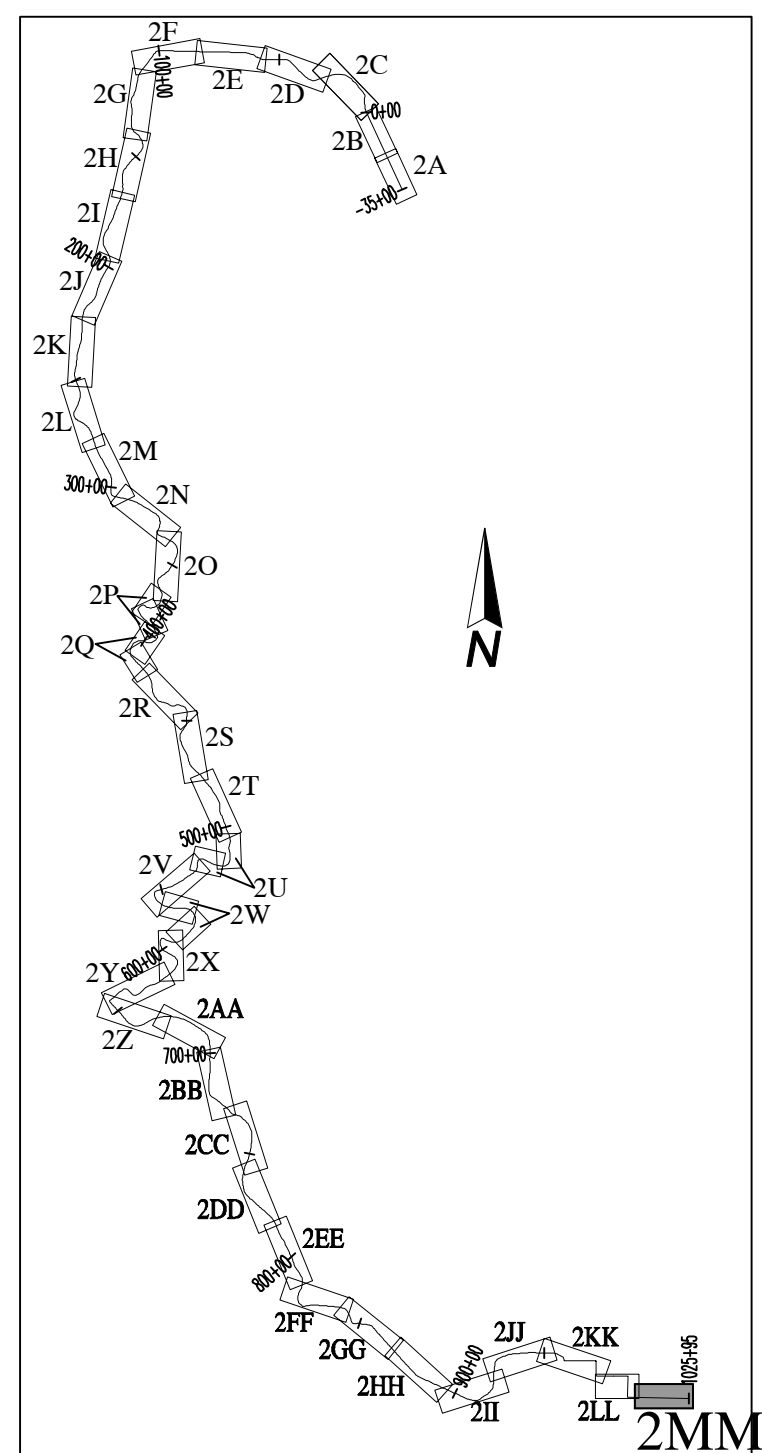
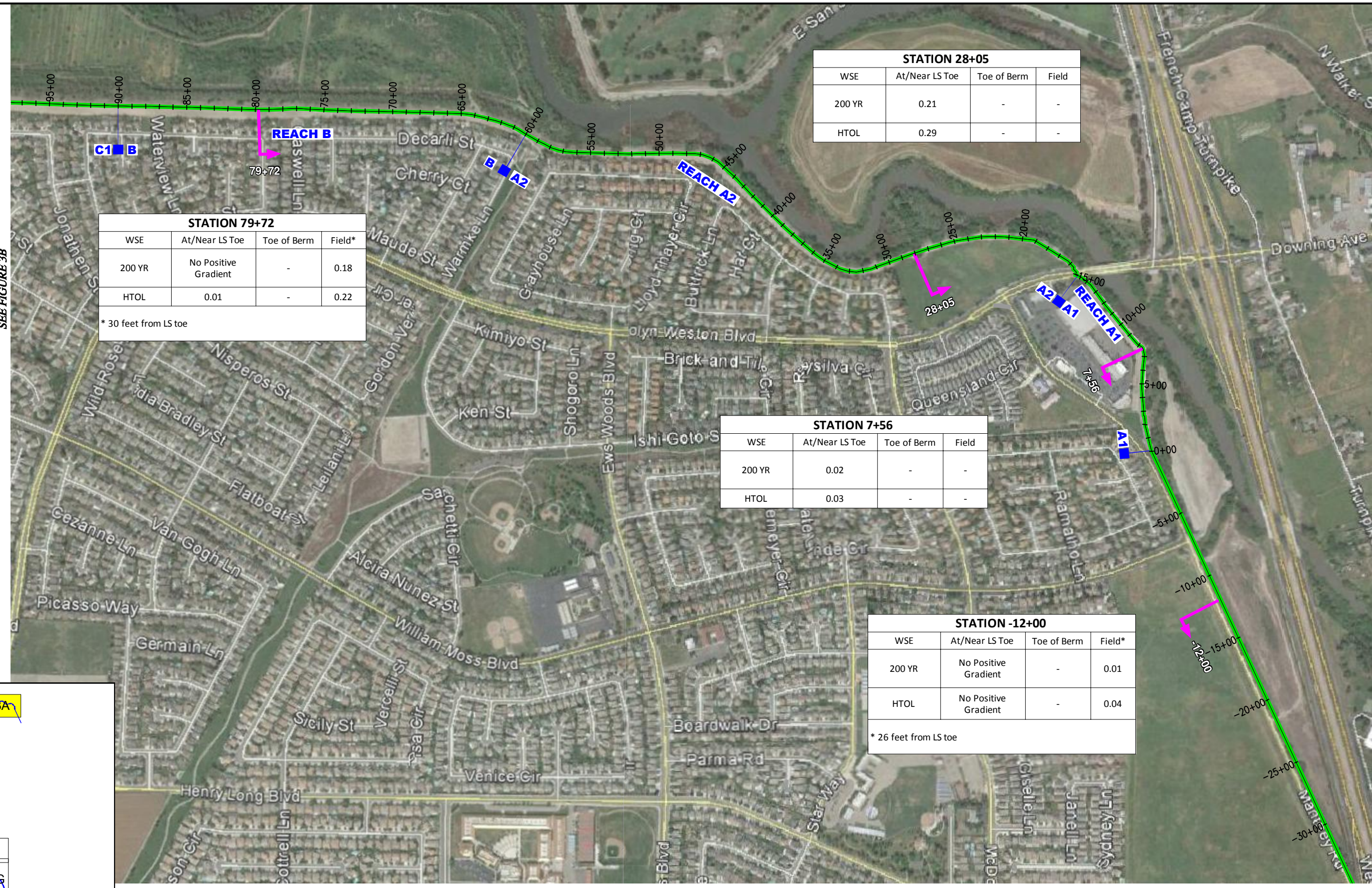


FIGURE LAYOUT
NO SCALE

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SEE FIGURE 3B



| STATION 79+72 | | | |
|---------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | - | 0.18 |
| HTOL | 0.01 | - | 0.22 |

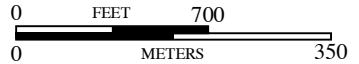
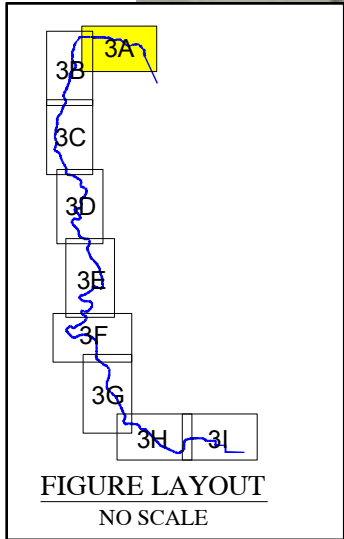
* 30 feet from LS toe

| STATION 28+05 | | | |
|---------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.21 | - | - |
| HTOL | 0.29 | - | - |

| STATION 7+56 | | | |
|--------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.02 | - | - |
| HTOL | 0.03 | - | - |

| STATION -12+00 | | | |
|----------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | - | 0.01 |
| HTOL | No Positive Gradient | - | 0.04 |

* 26 feet from LS toe



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

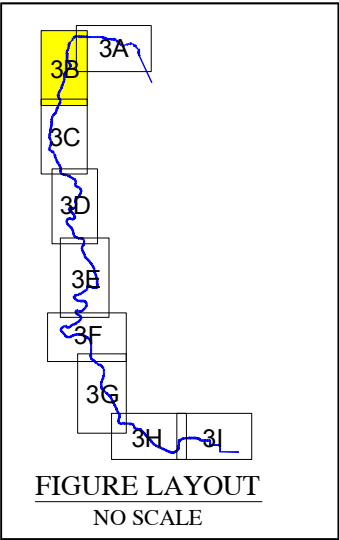


UNDER SEEPAGE EVALUATION SUMMARY
 ULDC EVALUATION - RD 17
 SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | LL |
| CHECKED BY: | JJT |

FIGURE NO.
3A

C:\Drawing\DRIFTING\DWG\5747\005\ULDC 2015\Evaluation Summary Figures\5747005001-3-Under Seepage\VolSummary-0815.dwg Plot Date: 8-20-15 dporde



| STATION 100+10 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.03 | - | 0.02 |
| HTOL | 0.05 | - | 0.02 |

* 134 feet from LS toe

| STATION 130+85 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.00 | - | 0.06 |
| HTOL | 0.01 | - | 0.06 |

* 42 feet from LS toe

| STATION 138+25 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.38 | - | 0.35 |
| HTOL | 0.44 | - | 0.40 |

* 96 feet from LS toe

| STATION 158+00 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.20 | - | - |
| HTOL | 0.23 | - | - |

| STATION 150+99 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.60 | - | 0.76 |
| HTOL | 0.77 | - | 0.86 |

* 17 feet from LS toe

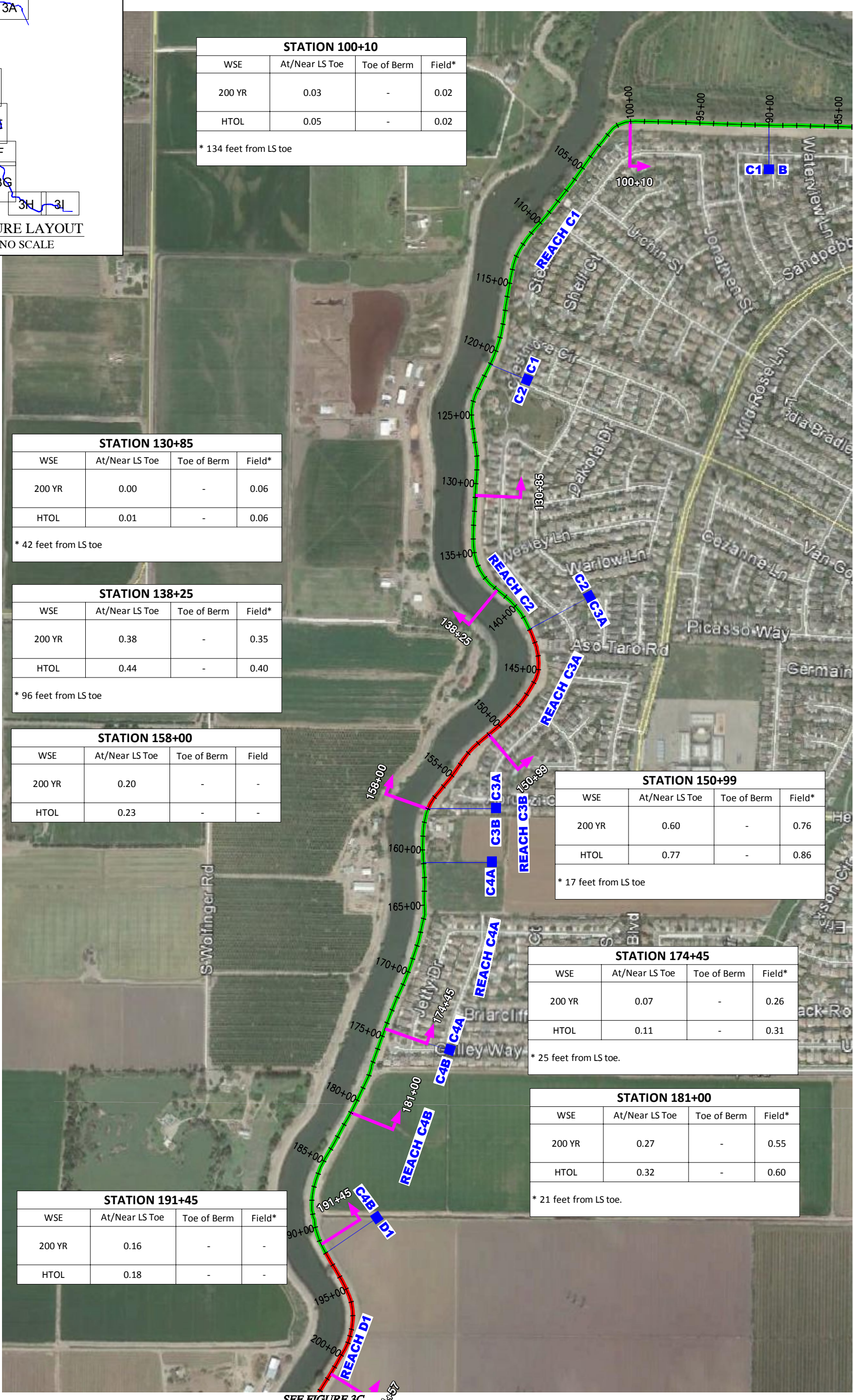
| STATION 174+45 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.07 | - | 0.26 |
| HTOL | 0.11 | - | 0.31 |

* 25 feet from LS toe.

| STATION 181+00 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.27 | - | 0.55 |
| HTOL | 0.32 | - | 0.60 |

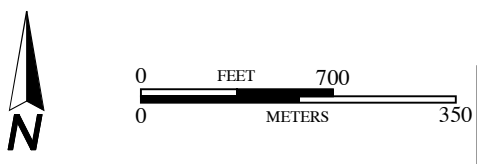
* 21 feet from LS toe.

| STATION 191+45 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.16 | - | - |
| HTOL | 0.18 | - | - |



SEE FIGURE 3C

SEE FIGURE 3A



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



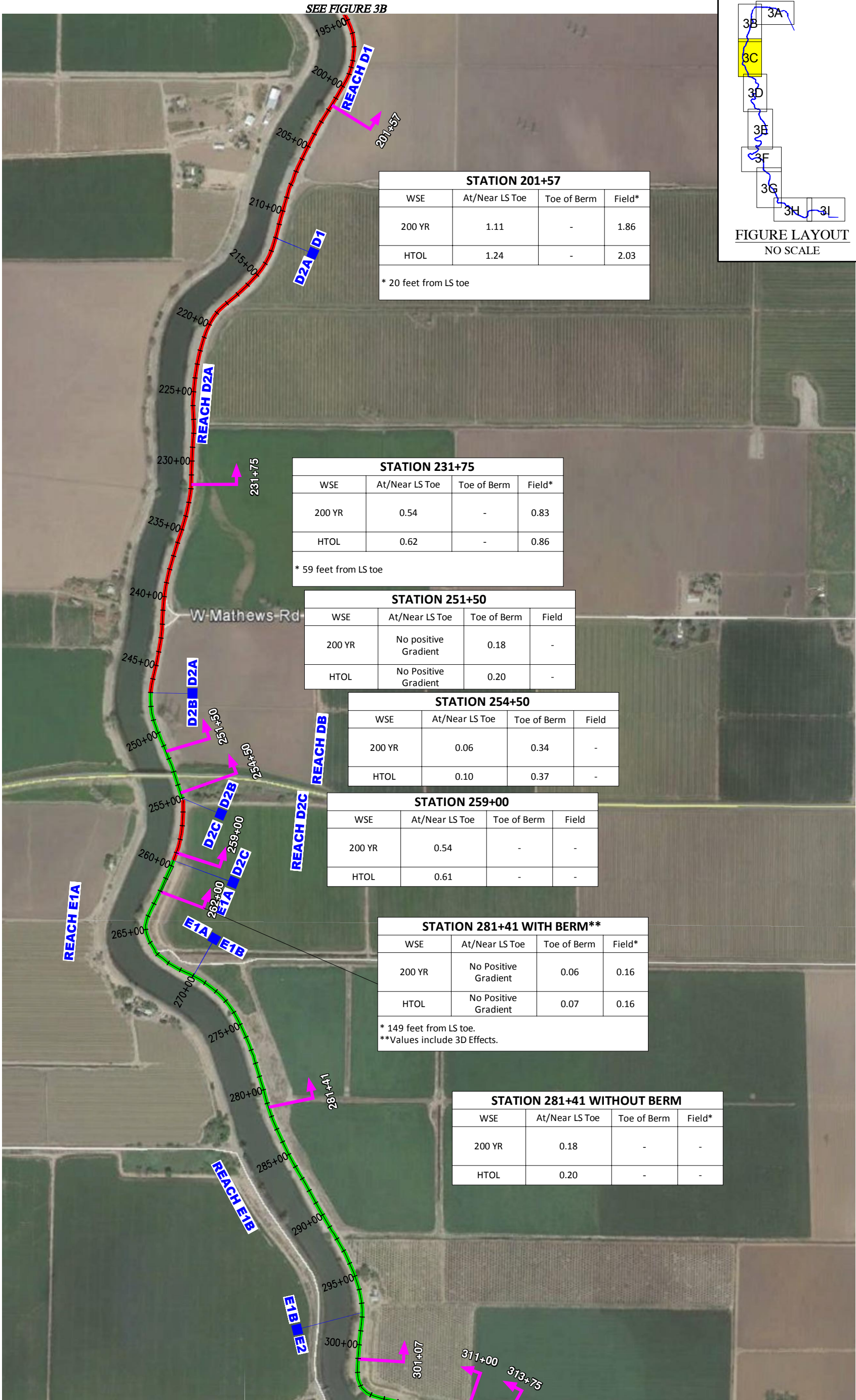
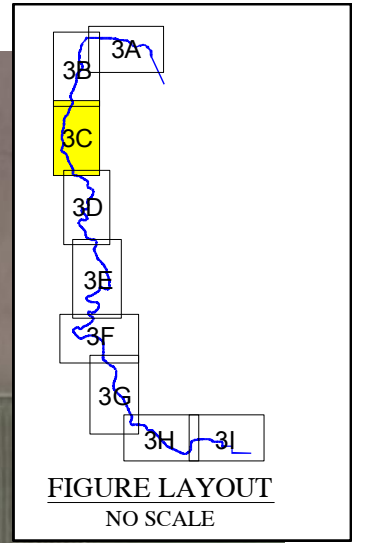
UNDER SEEPAGE EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | LL |
| CHECKED BY: | JJT |

FIGURE NO.
3B

ORIGINAL FIGURE PRINTED IN COLOR

C:\Drafting\DRIFTING2\Drawg\5747\005\ULDC\2015\Evaluation Summary Figures\5747005001-3-Under Seepage\VolSummary-0815.dwg Plot Date: 8-20-15 dporde



STATION 201+57

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 1.11 | - | 1.86 |
| HTOL | 1.24 | - | 2.03 |

* 20 feet from LS toe

STATION 231+75

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 0.54 | - | 0.83 |
| HTOL | 0.62 | - | 0.86 |

* 59 feet from LS toe

STATION 251+50

| WSE | At/Near LS Toe | Toe of Berm | Field |
|--------|----------------------|-------------|-------|
| 200 YR | No positive Gradient | 0.18 | - |
| HTOL | No Positive Gradient | 0.20 | - |

STATION 254+50

| WSE | At/Near LS Toe | Toe of Berm | Field |
|--------|----------------|-------------|-------|
| 200 YR | 0.06 | 0.34 | - |
| HTOL | 0.10 | 0.37 | - |

STATION 259+00

| WSE | At/Near LS Toe | Toe of Berm | Field |
|--------|----------------|-------------|-------|
| 200 YR | 0.54 | - | - |
| HTOL | 0.61 | - | - |

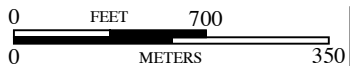
STATION 281+41 WITH BERM**

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------------|-------------|--------|
| 200 YR | No Positive Gradient | 0.06 | 0.16 |
| HTOL | No Positive Gradient | 0.07 | 0.16 |

* 149 feet from LS toe.
** Values include 3D Effects.

STATION 281+41 WITHOUT BERM

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 0.18 | - | - |
| HTOL | 0.20 | - | - |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



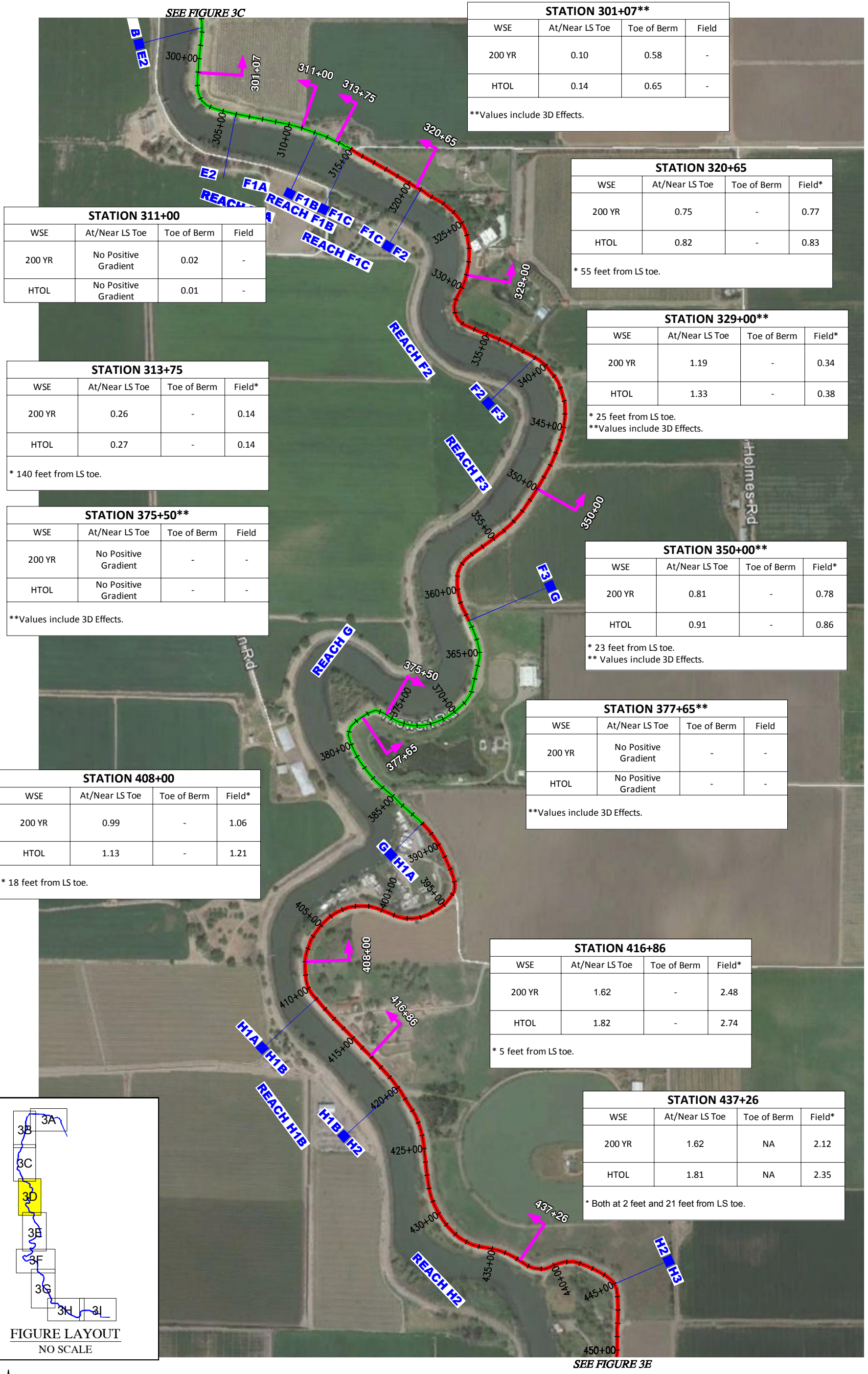
UNDER SEEPAGE EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | LL |
| CHECKED BY: | JJT |

FIGURE NO.
3C

ORIGINAL FIGURE PRINTED IN COLOR

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| STATION 301+07** | | | |
|------------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.10 | 0.58 | - |
| HTOL | 0.14 | 0.65 | - |

**Values include 3D Effects.

| STATION 320+65 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.75 | - | 0.77 |
| HTOL | 0.82 | - | 0.83 |

* 55 feet from LS toe.

| STATION 311+00 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.02 | - |
| HTOL | No Positive Gradient | 0.01 | - |

| STATION 313+75 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.26 | - | 0.14 |
| HTOL | 0.27 | - | 0.14 |

* 140 feet from LS toe.

| STATION 375+50** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | - | - |
| HTOL | No Positive Gradient | - | - |

**Values include 3D Effects.

| STATION 408+00 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.99 | - | 1.06 |
| HTOL | 1.13 | - | 1.21 |

* 18 feet from LS toe.

| STATION 329+00** | | | |
|------------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 1.19 | - | 0.34 |
| HTOL | 1.33 | - | 0.38 |

* 25 feet from LS toe.
**Values include 3D Effects.

| STATION 350+00** | | | |
|------------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.81 | - | 0.78 |
| HTOL | 0.91 | - | 0.86 |

* 23 feet from LS toe.
** Values include 3D Effects.

| STATION 377+65** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | - | - |
| HTOL | No Positive Gradient | - | - |

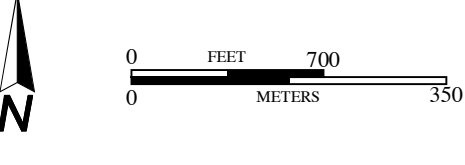
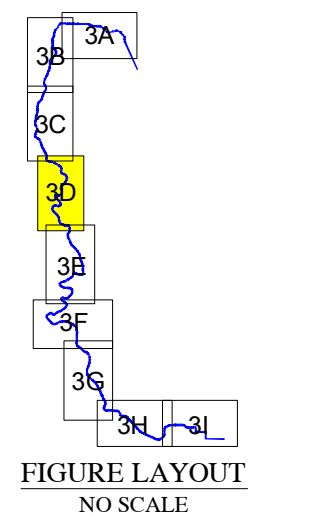
**Values include 3D Effects.

| STATION 416+86 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 1.62 | - | 2.48 |
| HTOL | 1.82 | - | 2.74 |

* 5 feet from LS toe.

| STATION 437+26 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 1.62 | NA | 2.12 |
| HTOL | 1.81 | NA | 2.35 |

* Both at 2 feet and 21 feet from LS toe.



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



UNDER SEEPAGE EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
DRAWN BY: LL
CHECKED BY: JJT

FIGURE NO.
3D

ORIGINAL FIGURE PRINTED IN COLOR

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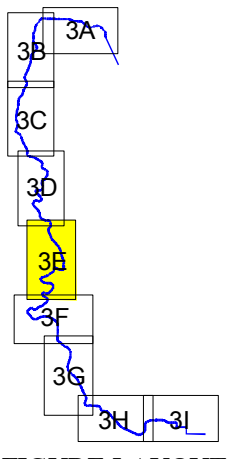


FIGURE LAYOUT
NO SCALE

| STATION 511+00 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.41 | - | - |
| HTOL | 0.49 | - | - |

| STATION 516+00 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.14 | - |
| HTOL | No Positive Gradient | 0.14 | - |

| STATION 544+33 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.11 | 0.45 | 0.47 |
| HTOL | 0.16 | 0.50 | 0.53 |

* 96 feet from LS toe.

| STATION 557+50** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.09 | - |
| HTOL | No Positive Gradient | 0.11 | - |

**Values include 3D Effects.

| STATION 564+00** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.32 | - |
| HTOL | No Positive Gradient | 0.36 | - |

**Values include 3D Effects.

| STATION 528+45** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.47 | - |
| HTOL | No Positive Gradient | 0.51 | - |

**Values include 3D Effects.

| STATION 553+71** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.46 | - |
| HTOL | No Positive Gradient | 0.50 | - |

**Values include 3D Effects.

| STATION 455+55 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.17 | - | - |
| HTOL | 0.21 | - | - |

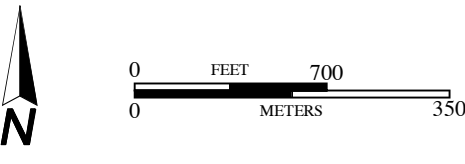
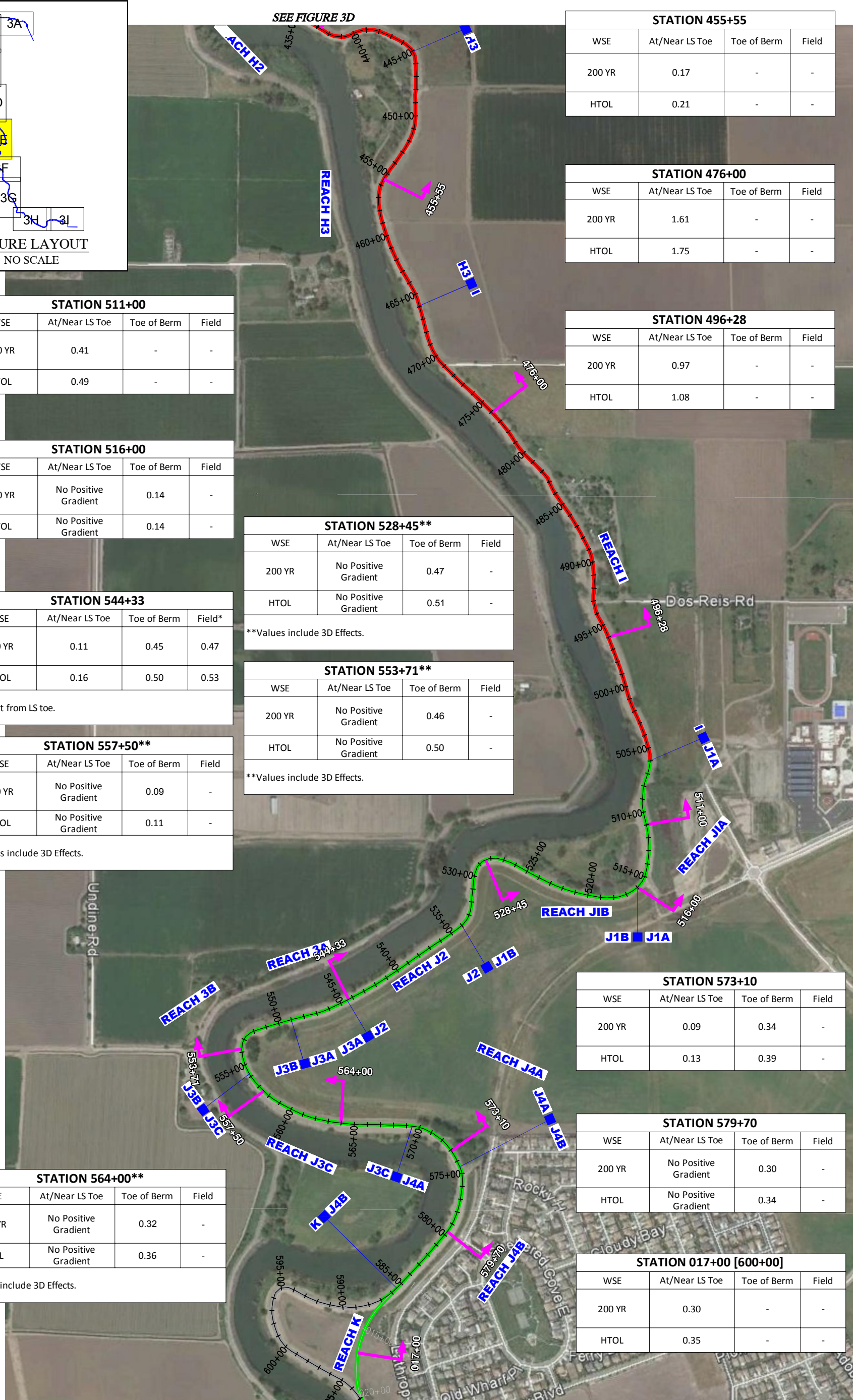
| STATION 476+00 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 1.61 | - | - |
| HTOL | 1.75 | - | - |

| STATION 496+28 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.97 | - | - |
| HTOL | 1.08 | - | - |

| STATION 573+10 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.09 | 0.34 | - |
| HTOL | 0.13 | 0.39 | - |

| STATION 579+70 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.30 | - |
| HTOL | No Positive Gradient | 0.34 | - |

| STATION 017+00 [600+00] | | | |
|-------------------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.30 | - | - |
| HTOL | 0.35 | - | - |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



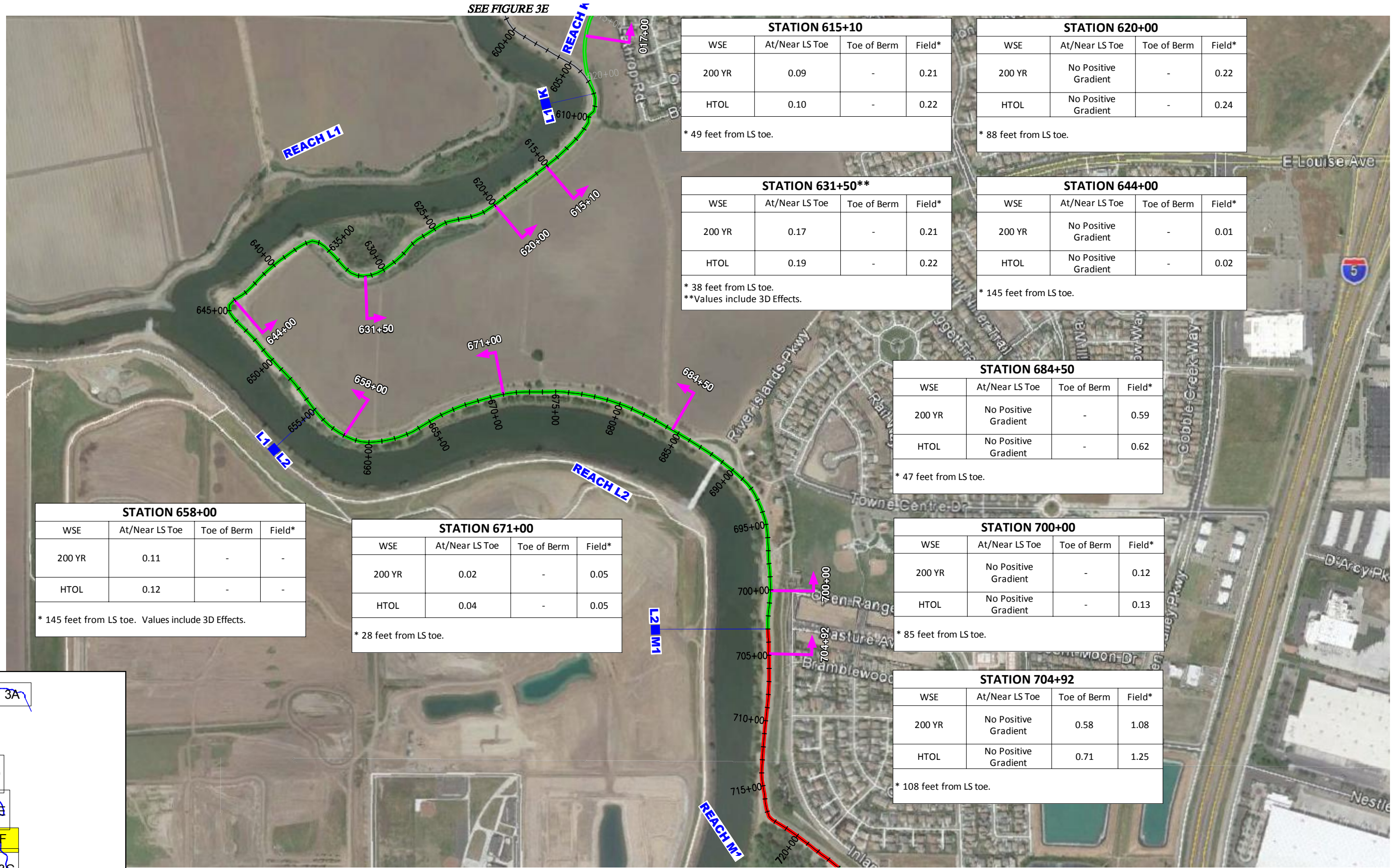
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ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
DRAWN BY: LL CHECKED BY: JJT

FIGURE NO.
3E

ORIGINAL FIGURE PRINTED IN COLOR

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STATION 615+10

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 0.09 | - | 0.21 |
| HTOL | 0.10 | - | 0.22 |

* 49 feet from LS toe.

STATION 620+00

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------------|-------------|--------|
| 200 YR | No Positive Gradient | - | 0.22 |
| HTOL | No Positive Gradient | - | 0.24 |

* 88 feet from LS toe.

STATION 631+50**

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 0.17 | - | 0.21 |
| HTOL | 0.19 | - | 0.22 |

* 38 feet from LS toe.
**Values include 3D Effects.

STATION 644+00

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------------|-------------|--------|
| 200 YR | No Positive Gradient | - | 0.01 |
| HTOL | No Positive Gradient | - | 0.02 |

* 145 feet from LS toe.

STATION 658+00

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 0.11 | - | - |
| HTOL | 0.12 | - | - |

* 145 feet from LS toe. Values include 3D Effects.

STATION 671+00

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------|-------------|--------|
| 200 YR | 0.02 | - | 0.05 |
| HTOL | 0.04 | - | 0.05 |

* 28 feet from LS toe.

STATION 684+50

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------------|-------------|--------|
| 200 YR | No Positive Gradient | - | 0.59 |
| HTOL | No Positive Gradient | - | 0.62 |

* 47 feet from LS toe.

STATION 700+00

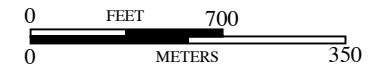
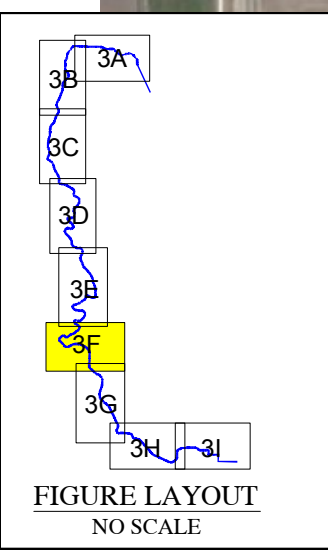
| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------------|-------------|--------|
| 200 YR | No Positive Gradient | - | 0.12 |
| HTOL | No Positive Gradient | - | 0.13 |

* 85 feet from LS toe.

STATION 704+92

| WSE | At/Near LS Toe | Toe of Berm | Field* |
|--------|----------------------|-------------|--------|
| 200 YR | No Positive Gradient | 0.58 | 1.08 |
| HTOL | No Positive Gradient | 0.71 | 1.25 |

* 108 feet from LS toe.



SEE FIGURE 3G

BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

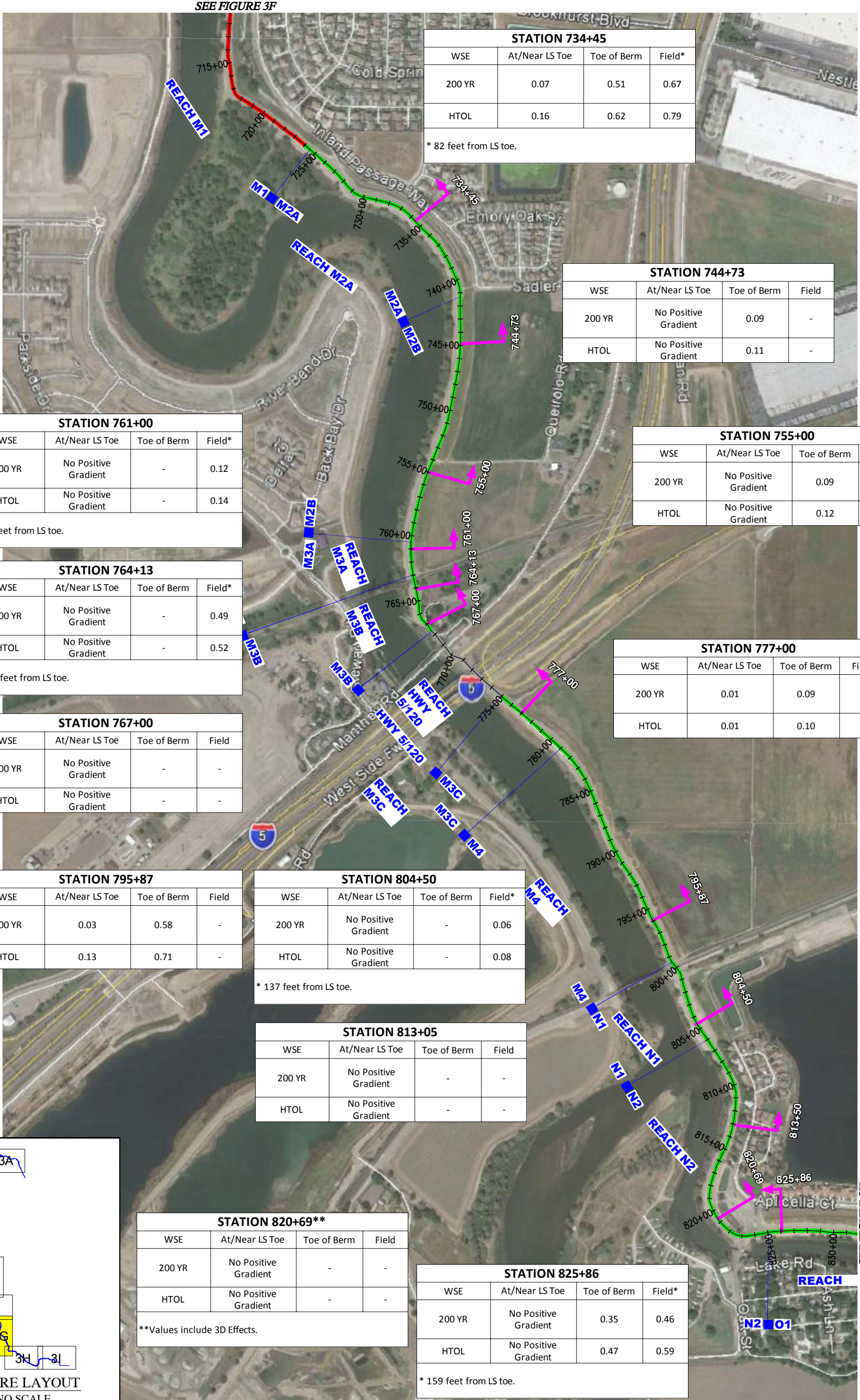


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| DRAWN BY: | LL |
| CHECKED BY: | JJT |

FIGURE NO.
3F

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SEE FIGURE 3F

| STATION 734+45 | | | |
|----------------|----------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | 0.07 | 0.51 | 0.67 |
| HTOL | 0.16 | 0.62 | 0.79 |

* 82 feet from LS toe.

| STATION 744+73 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.09 | - |
| HTOL | No Positive Gradient | 0.11 | - |

| STATION 761+00 | | | |
|----------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | - | 0.12 |
| HTOL | No Positive Gradient | - | 0.14 |

* 68 feet from LS toe.

| STATION 755+00 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.09 | - |
| HTOL | No Positive Gradient | 0.12 | - |

| STATION 764+13 | | | |
|----------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | - | 0.49 |
| HTOL | No Positive Gradient | - | 0.52 |

* 196 feet from LS toe.

| STATION 777+00 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.01 | 0.09 | - |
| HTOL | 0.01 | 0.10 | - |

| STATION 767+00 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | - | - |
| HTOL | No Positive Gradient | - | - |

| STATION 795+87 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.03 | 0.58 | - |
| HTOL | 0.13 | 0.71 | - |

| STATION 804+50 | | | |
|----------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | - | 0.06 |
| HTOL | No Positive Gradient | - | 0.08 |

* 137 feet from LS toe.

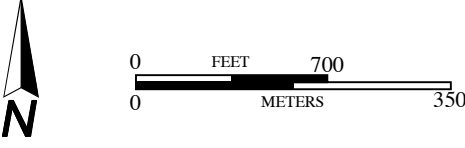
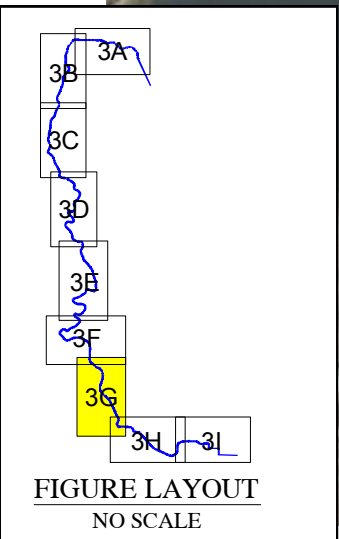
| STATION 813+05 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | - | - |
| HTOL | No Positive Gradient | - | - |

| STATION 820+69** | | | |
|------------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | - | - |
| HTOL | No Positive Gradient | - | - |

**Values include 3D Effects.

| STATION 825+86 | | | |
|----------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | 0.35 | 0.46 |
| HTOL | No Positive Gradient | 0.47 | 0.59 |

* 159 feet from LS toe.



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

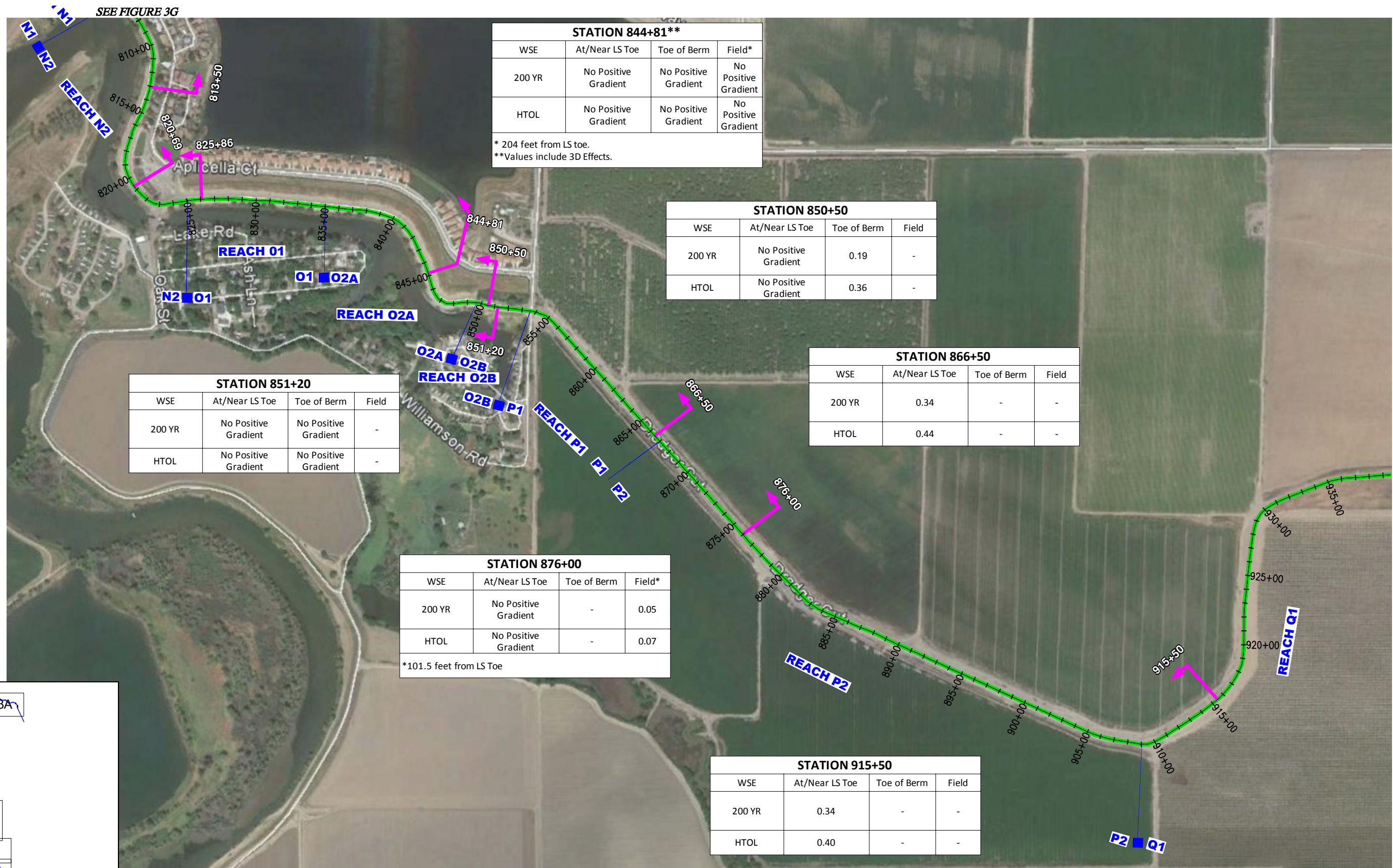


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ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
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FIGURE NO.
3G

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| STATION 844+81** | | | |
|------------------|----------------------|----------------------|----------------------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | No Positive Gradient | No Positive Gradient |
| HTOL | No Positive Gradient | No Positive Gradient | No Positive Gradient |

* 204 feet from LS toe.
**Values include 3D Effects.

| STATION 850+50 | | | |
|----------------|----------------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | 0.19 | - |
| HTOL | No Positive Gradient | 0.36 | - |

| STATION 866+50 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.34 | - | - |
| HTOL | 0.44 | - | - |

| STATION 851+20 | | | |
|----------------|----------------------|----------------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | No Positive Gradient | No Positive Gradient | - |
| HTOL | No Positive Gradient | No Positive Gradient | - |

| STATION 876+00 | | | |
|----------------|----------------------|-------------|--------|
| WSE | At/Near LS Toe | Toe of Berm | Field* |
| 200 YR | No Positive Gradient | - | 0.05 |
| HTOL | No Positive Gradient | - | 0.07 |

*101.5 feet from LS Toe

| STATION 915+50 | | | |
|----------------|----------------|-------------|-------|
| WSE | At/Near LS Toe | Toe of Berm | Field |
| 200 YR | 0.34 | - | - |
| HTOL | 0.40 | - | - |

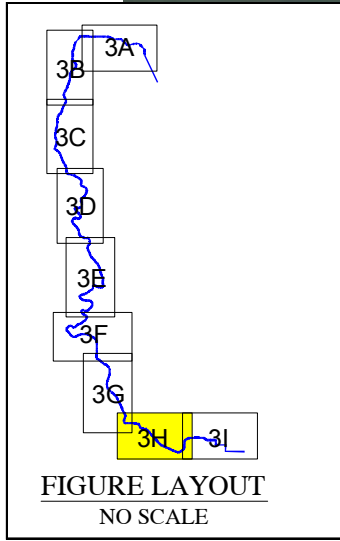
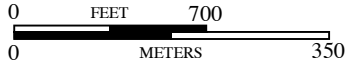


FIGURE LAYOUT
NO SCALE



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

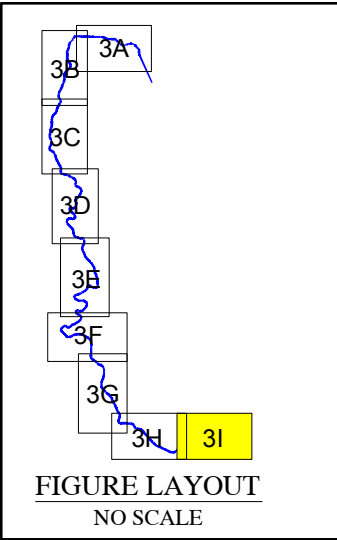
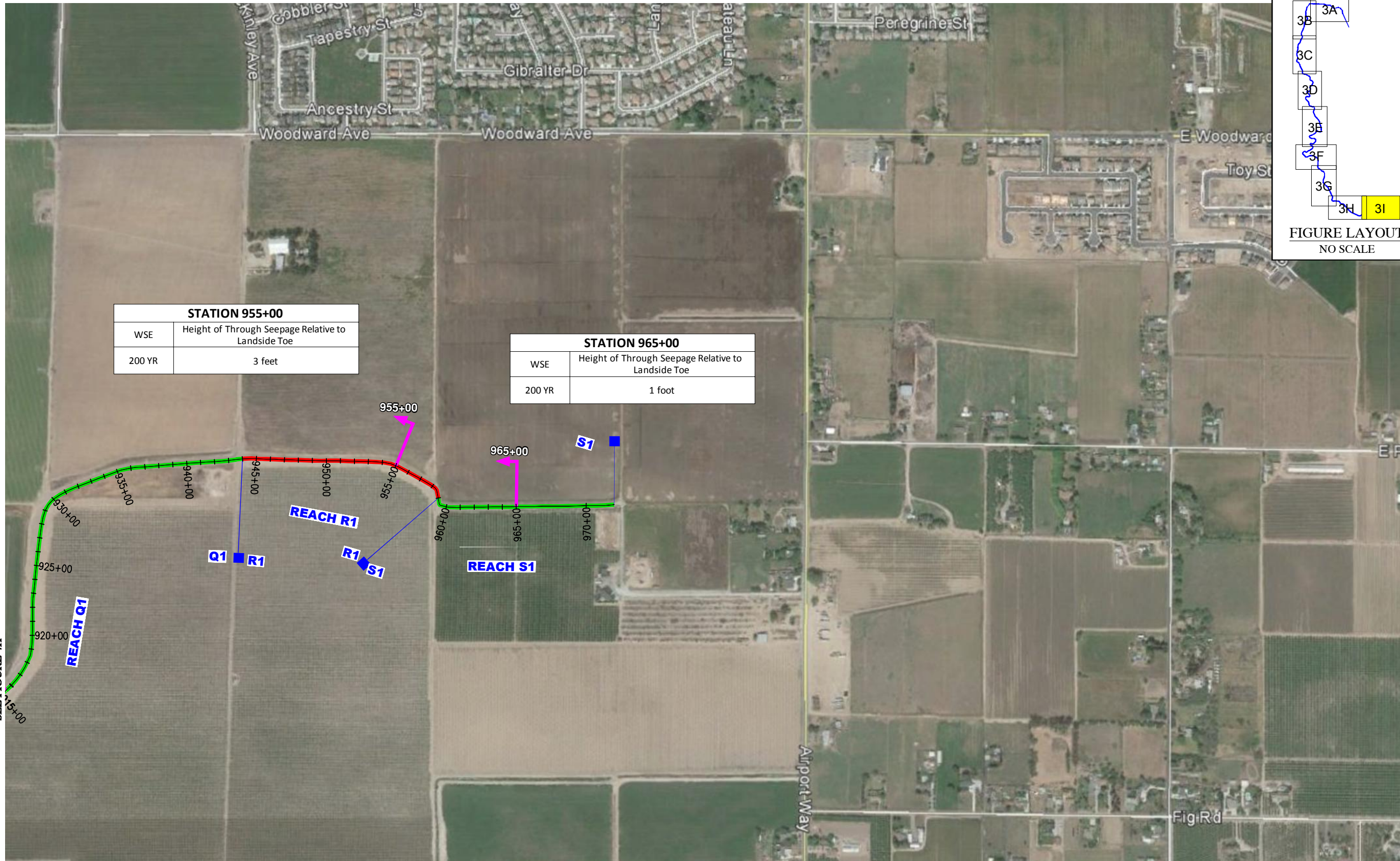


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SAN JOAQUIN COUNTY, CALIFORNIA

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| DRAWN BY: | LL |
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FIGURE NO.
3H

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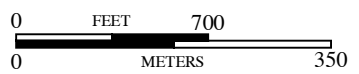
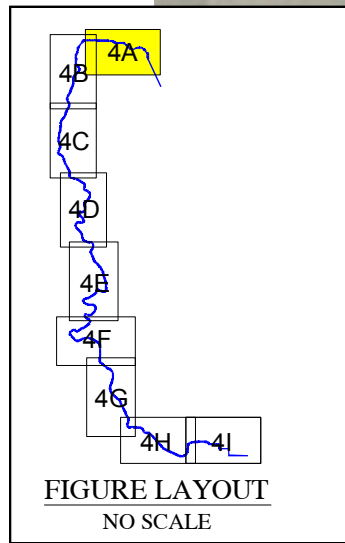
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FIGURE NO
3I

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SEE FIGURE 4B



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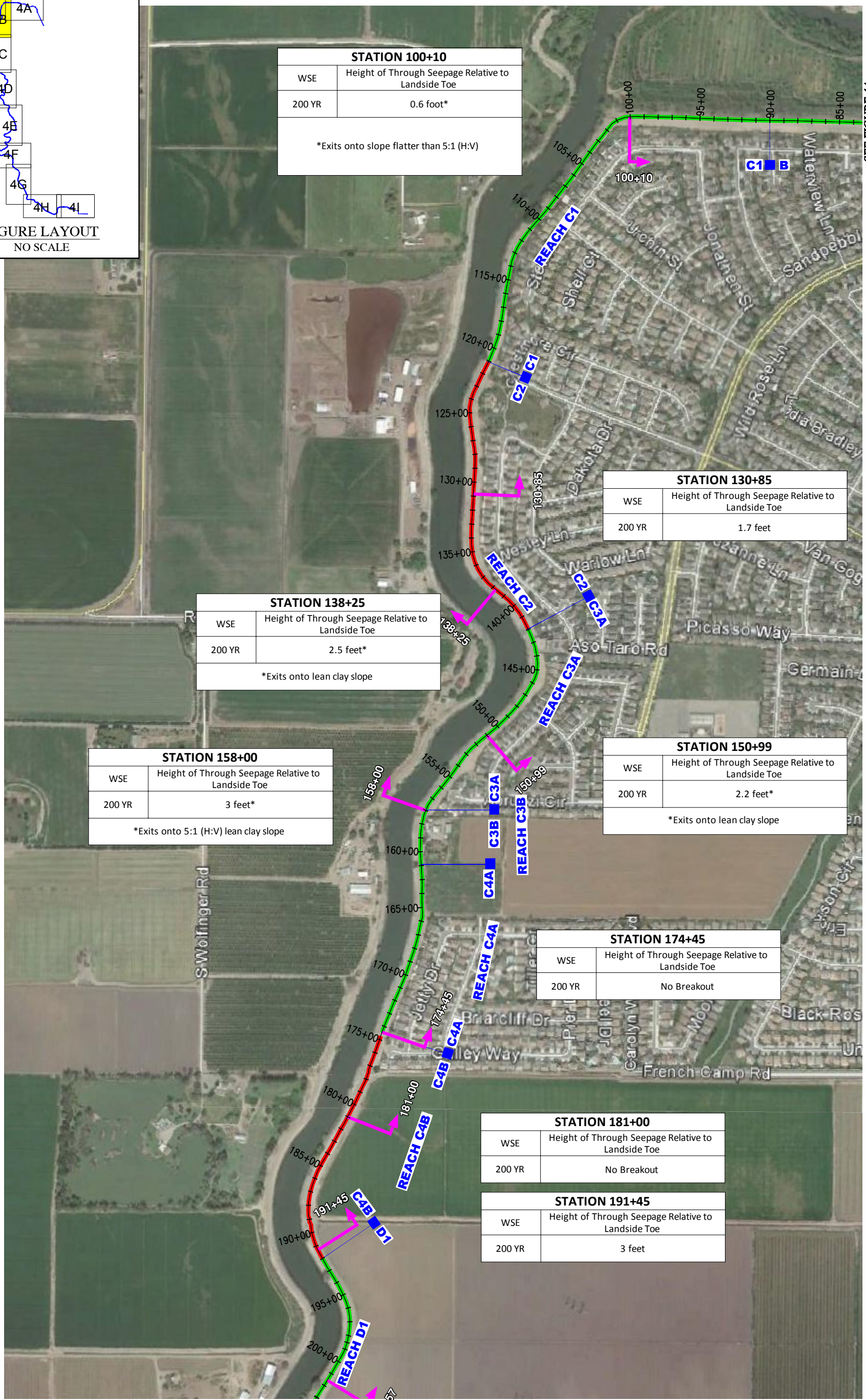
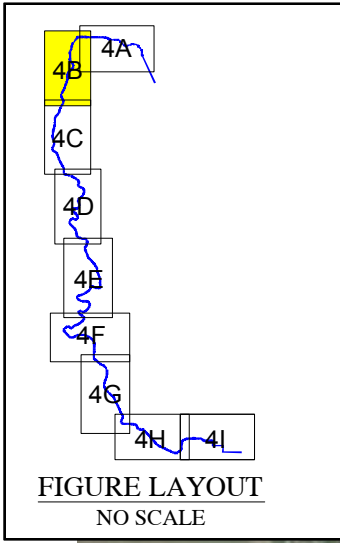


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ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

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| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | LL |
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FIGURE NO.
4A

G:\Drafting\DRAF\IN\251\Draw\5747\005\ULDC\2015\Evaluation Summary Figures\5747005001-4 Through Seepage Eval Summary-0815.dwg Plot Date: 8-20-15 dborde



| STATION 100+10 | |
|--|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 0.6 foot* |
| *Exits onto slope flatter than 5:1 (H:V) | |

| STATION 130+85 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 1.7 feet |

| STATION 138+25 | |
|-----------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 2.5 feet* |
| *Exits onto lean clay slope | |

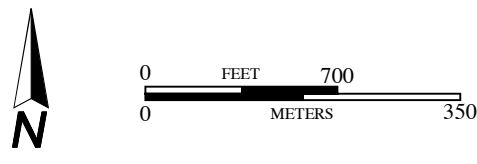
| STATION 158+00 | |
|---------------------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 3 feet* |
| *Exits onto 5:1 (H:V) lean clay slope | |

| STATION 150+99 | |
|-----------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 2.2 feet* |
| *Exits onto lean clay slope | |

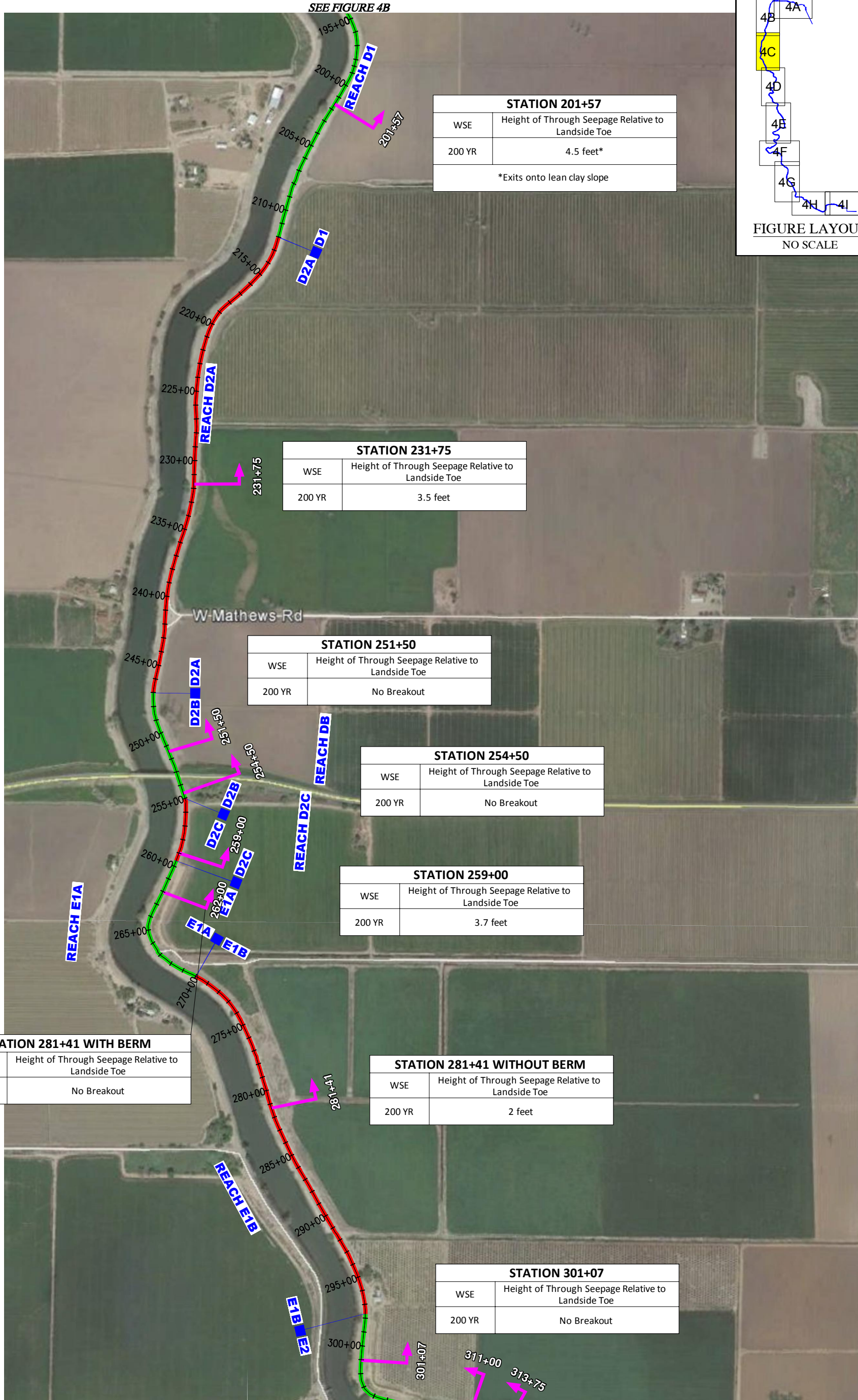
| STATION 174+45 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 181+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 191+45 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 3 feet |



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| STATION 201+57 | |
|-----------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 4.5 feet* |
| *Exits onto lean clay slope | |

| STATION 231+75 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 3.5 feet |

| STATION 251+50 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

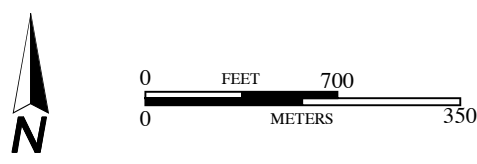
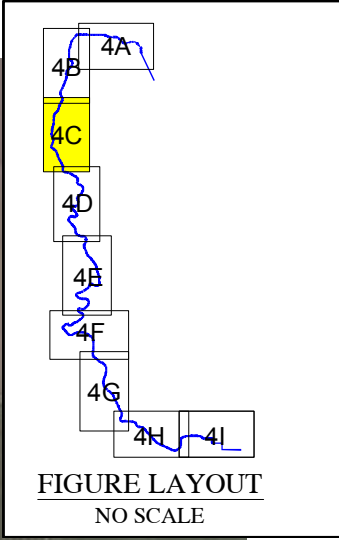
| STATION 254+50 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 259+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 3.7 feet |

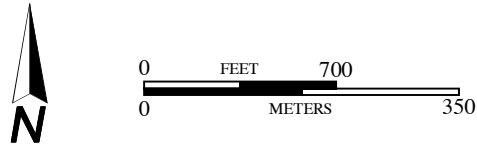
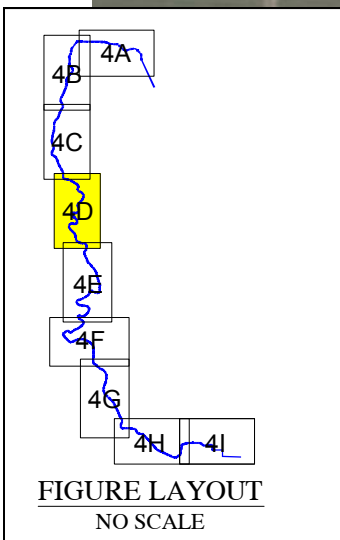
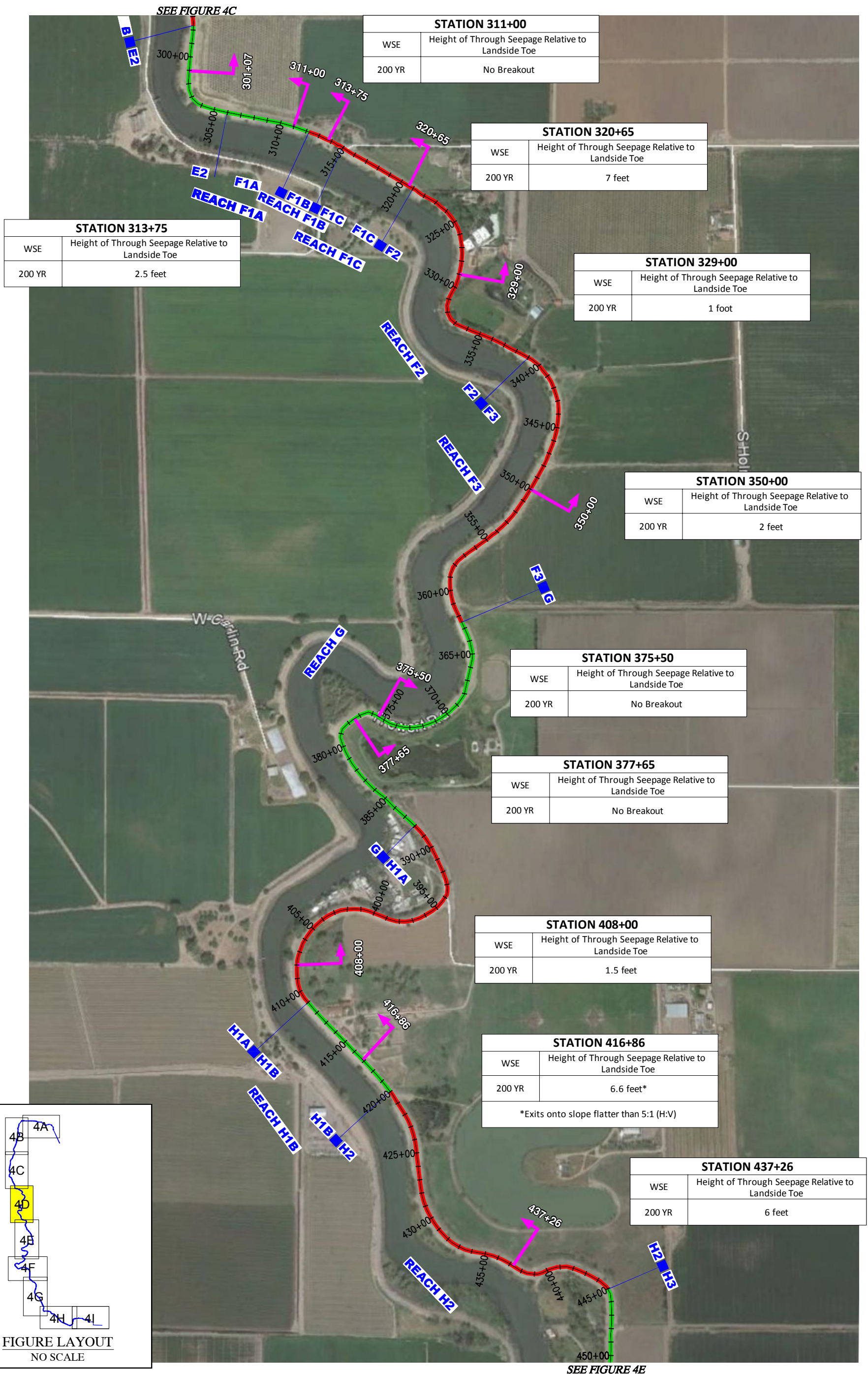
| STATION 281+41 WITH BERM | |
|--------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 281+41 WITHOUT BERM | |
|-----------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 2 feet |

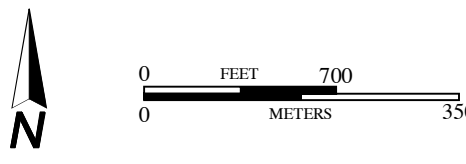
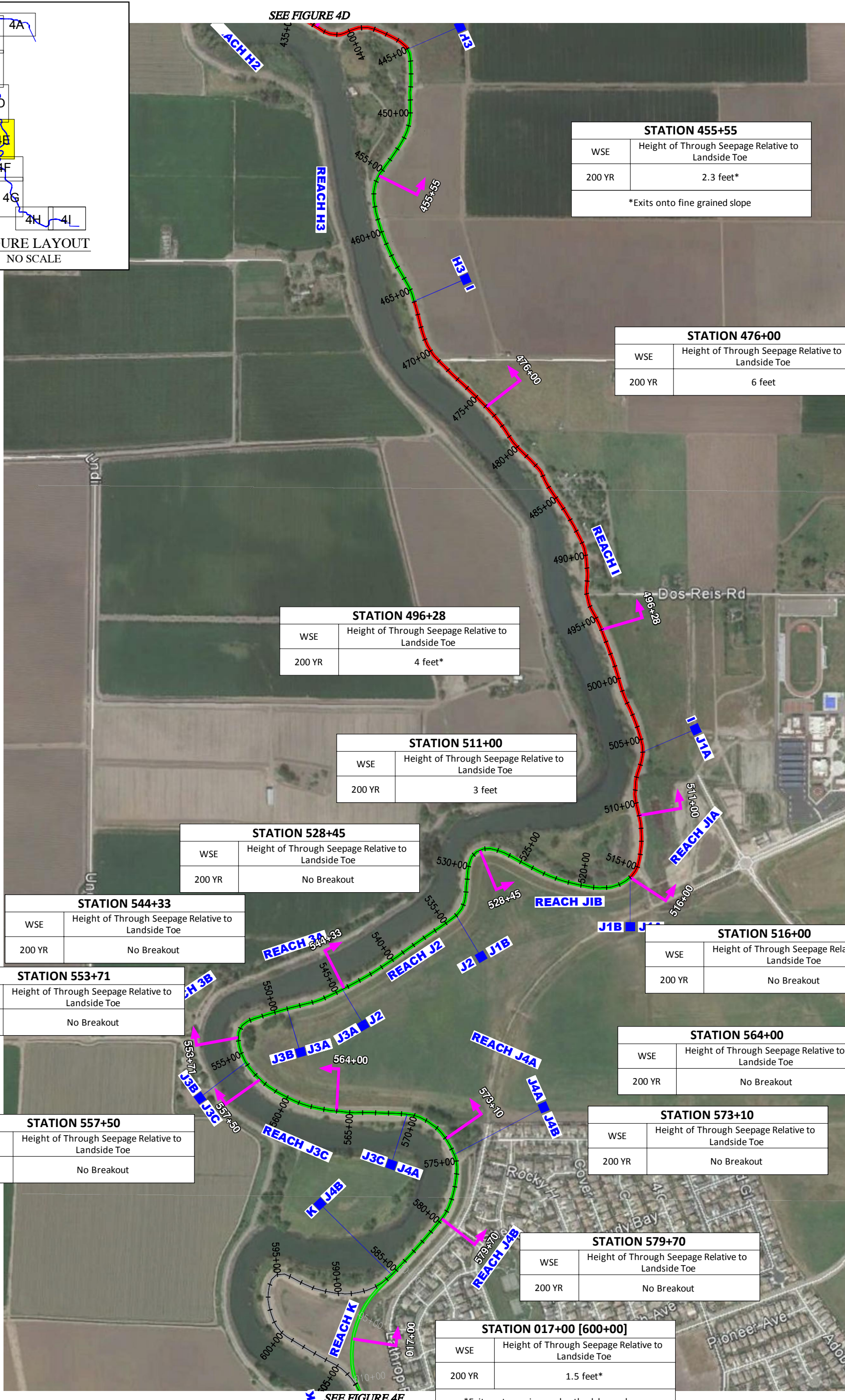
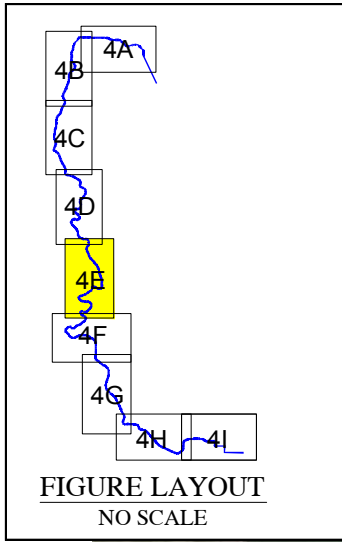
| STATION 301+07 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |



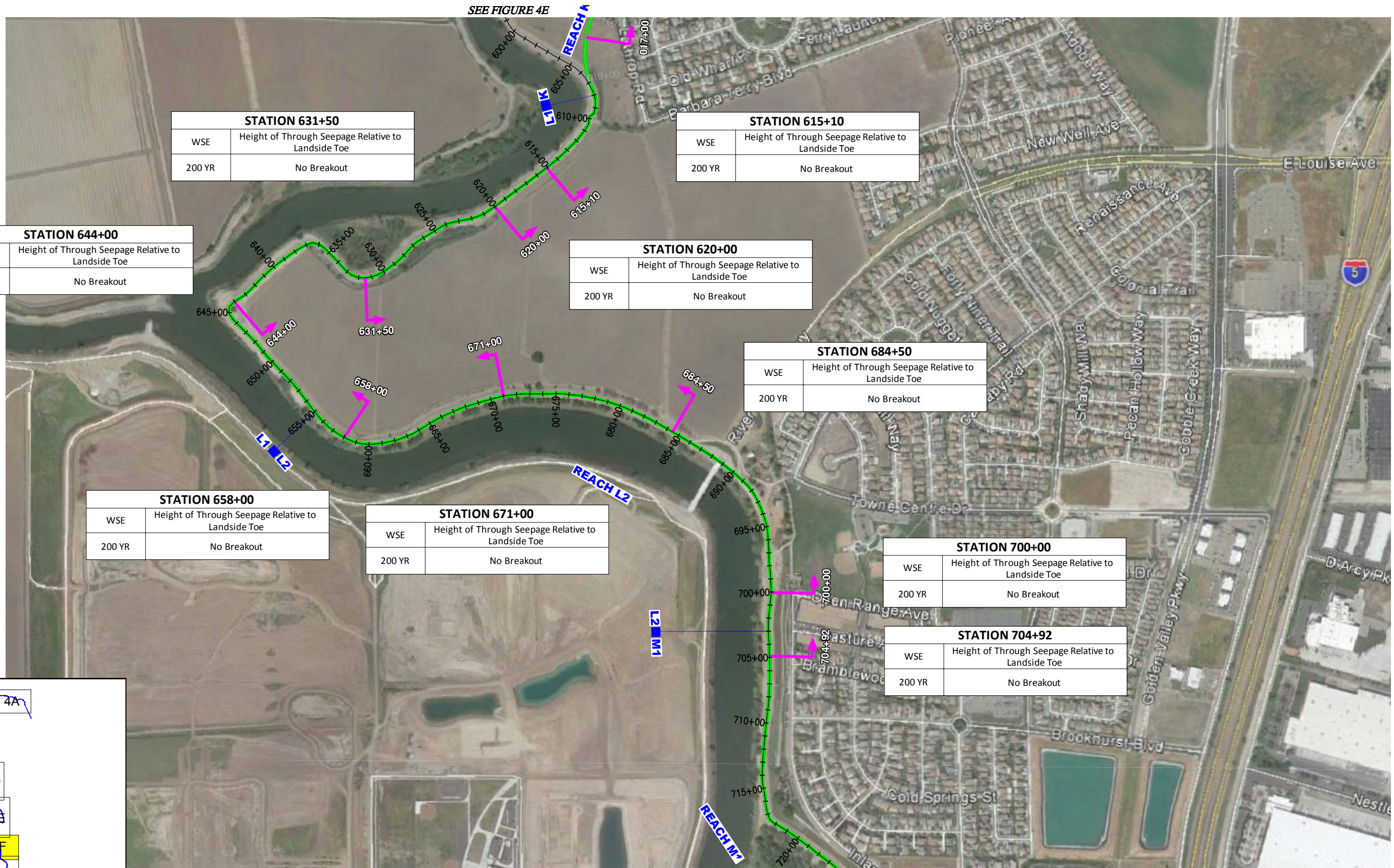
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G:\Drafting\DRF\110221\DWG\5747\005\ULDC\2015\Evaluation Summary Figures\5747005001-4-ThroughSeepage\Summary-0815.dwg Plot Date: 8-20-15 dborde



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SEE FIGURE 4E

SEE FIGURE 4G

| STATION 631+50 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 615+10 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 644+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 620+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

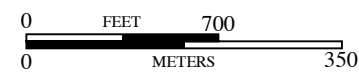
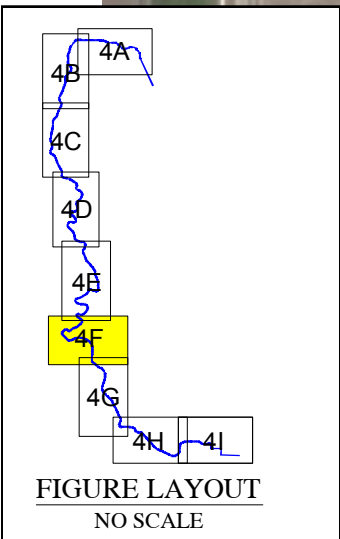
| STATION 684+50 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 658+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 671+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 700+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 704+92 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



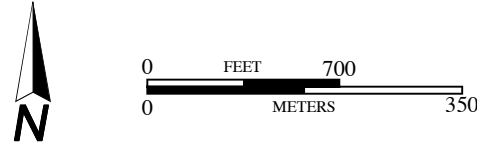
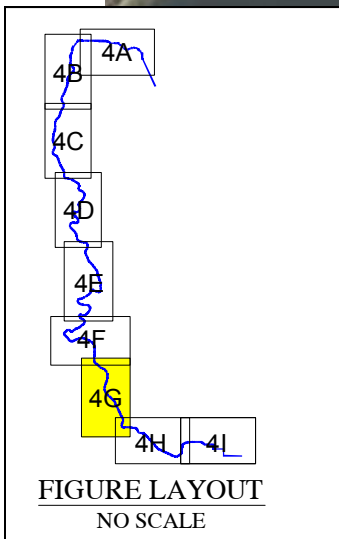
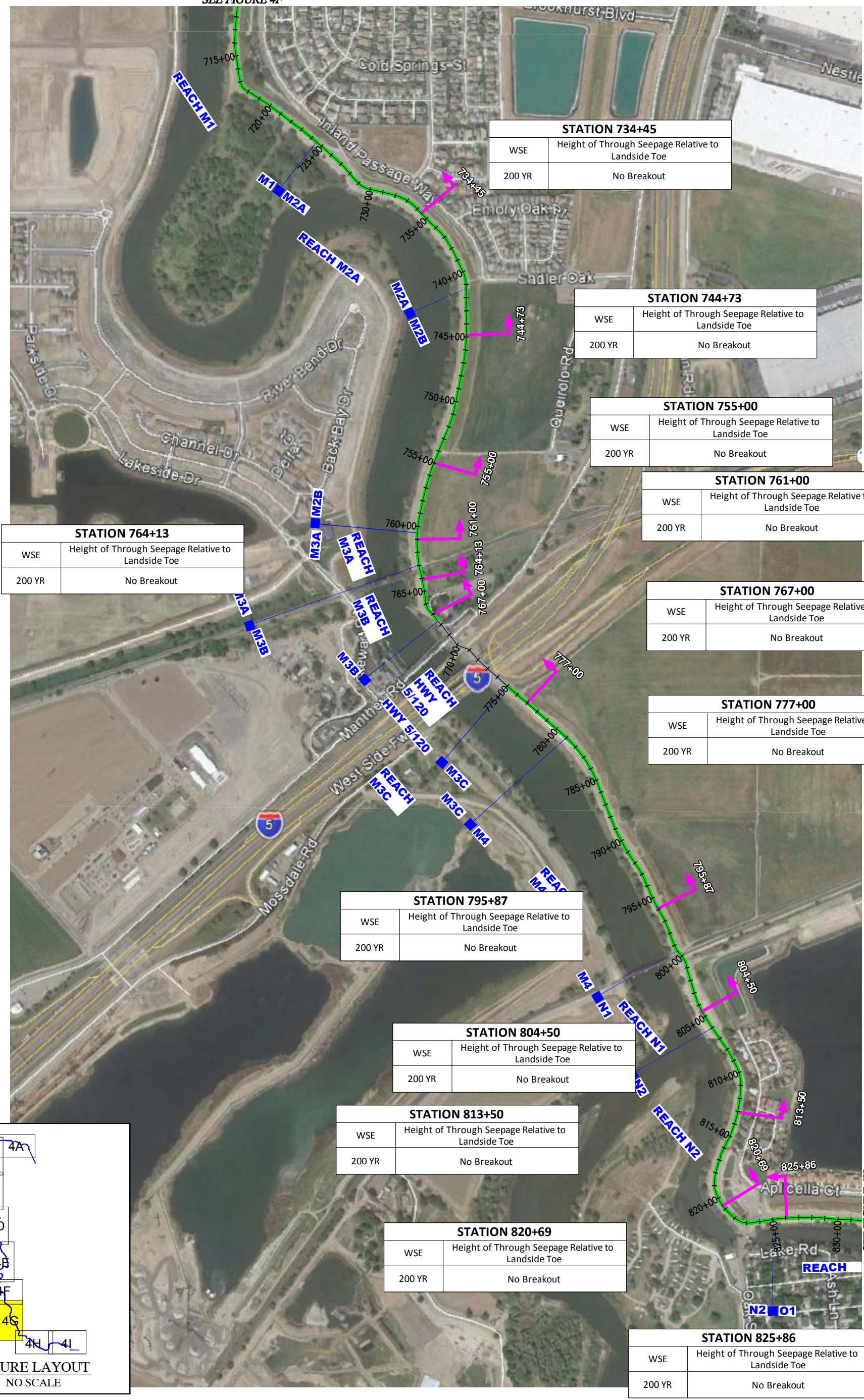
THROUGH SEEPAGE EVALUATION SUMMARY
 ULDC EVALUATION - RD 17
 SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
 SCALE: AS SHOWN
 DRAWN BY: SRP CHECKED BY: JJT

FIGURE NO
4F

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SEE FIGURE 4F



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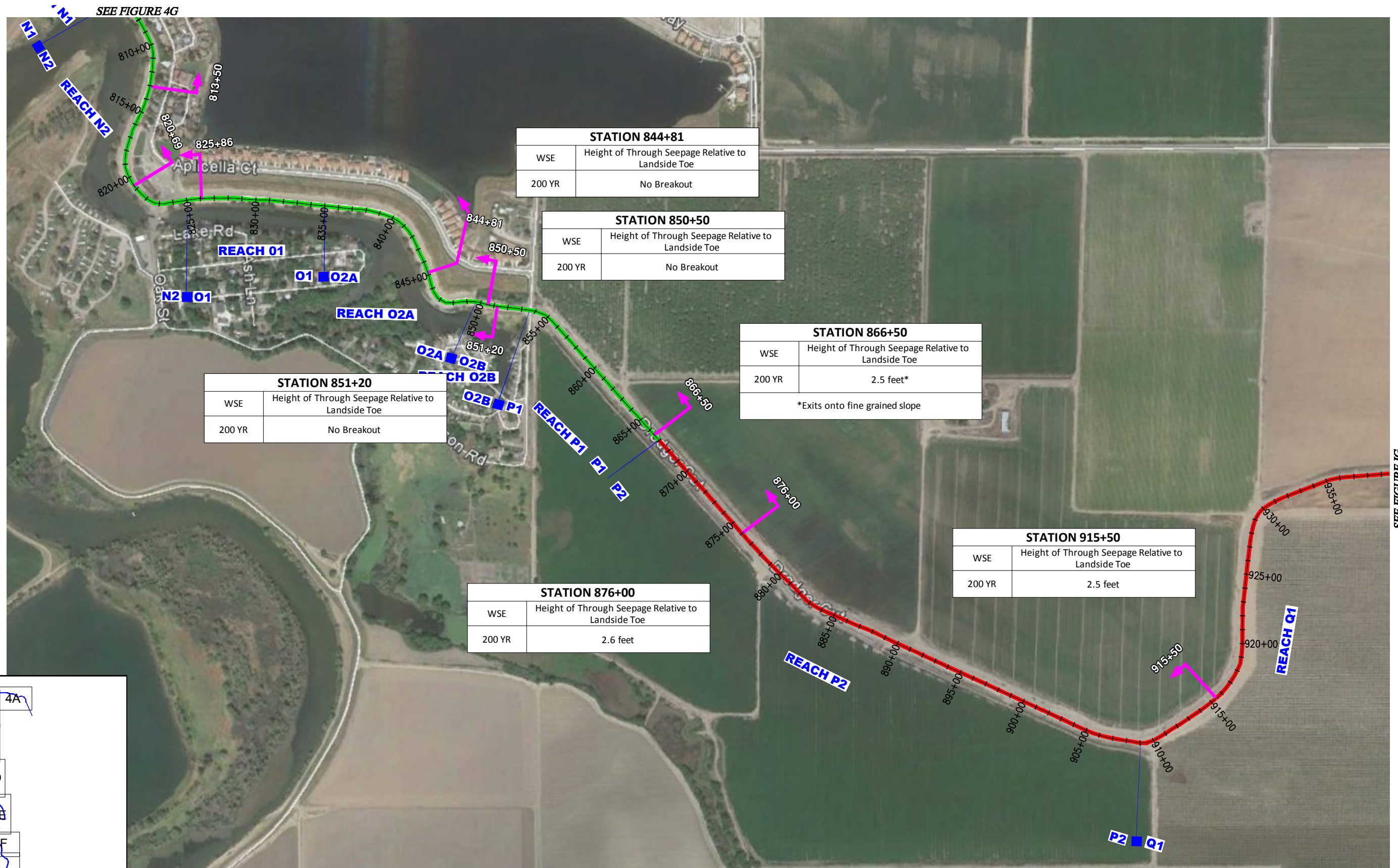


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| PROJECT NO.: | 5747.005.000 |
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FIGURE NO.
4G

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| STATION 844+81 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

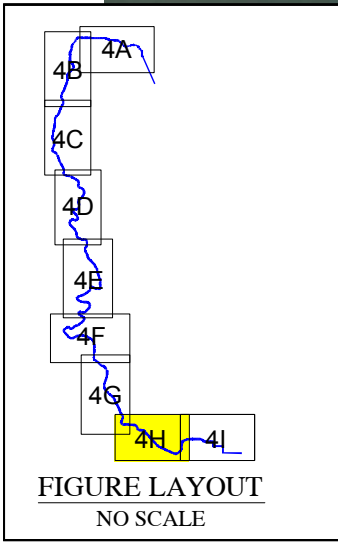
| STATION 850+50 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 866+50 | |
|--------------------------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 2.5 feet* |
| *Exits onto fine grained slope | |

| STATION 851+20 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | No Breakout |

| STATION 876+00 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 2.6 feet |

| STATION 915+50 | |
|----------------|--|
| WSE | Height of Through Seepage Relative to Landside Toe |
| 200 YR | 2.5 feet |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

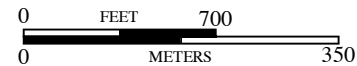
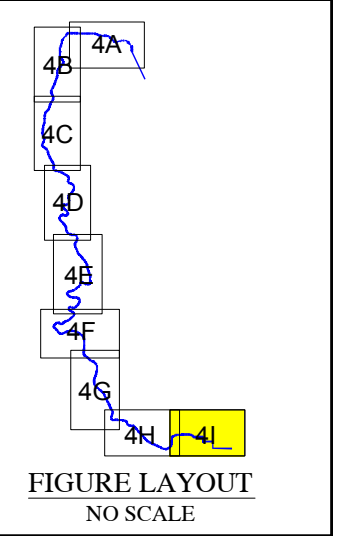
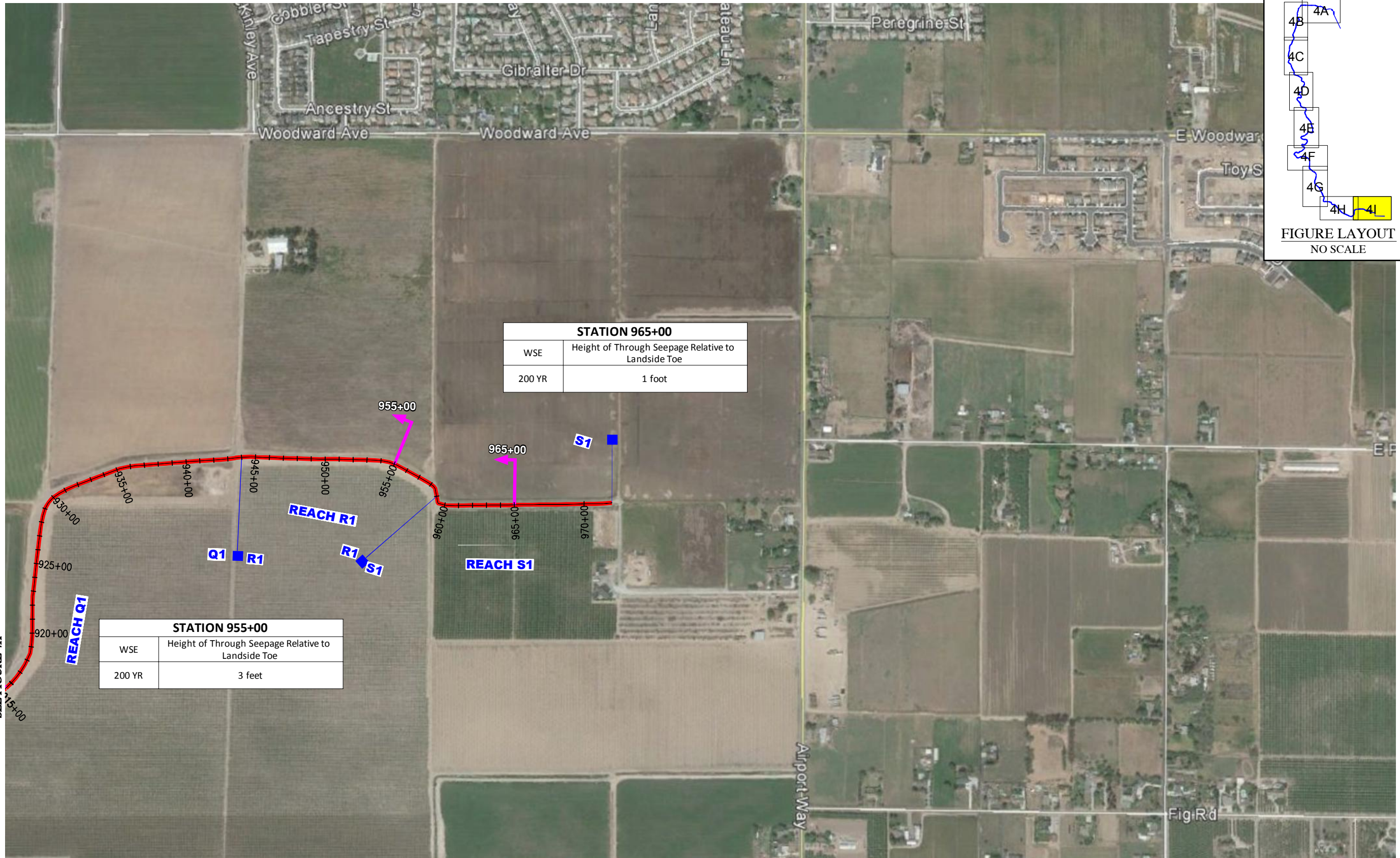


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FIGURE NO.
4H

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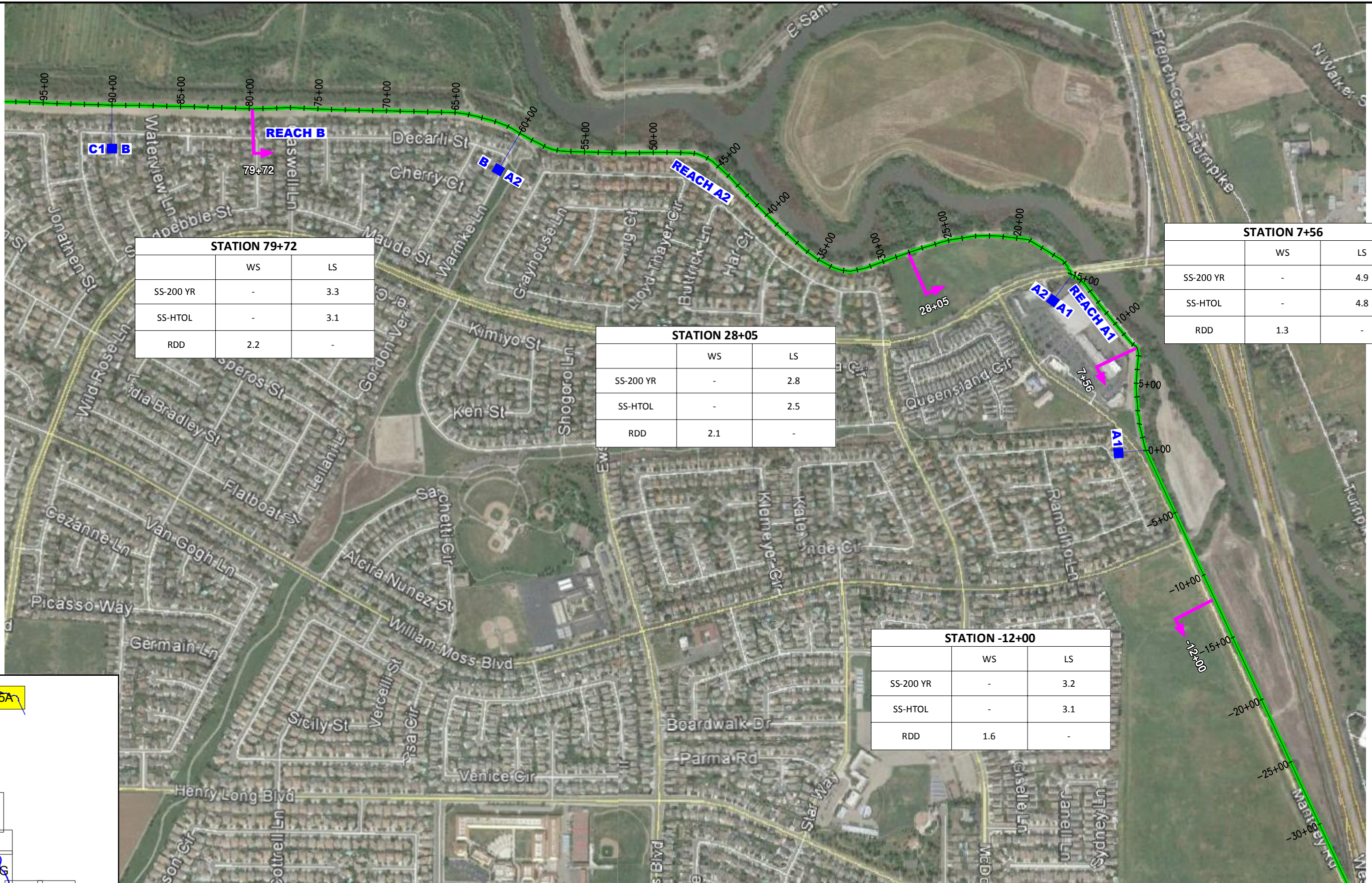


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ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
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FIGURE NO
4I

SEE FIGURE 4B



| | WS | LS |
|-----------|-----|-----|
| SS-200 YR | - | 3.3 |
| SS-HTOL | - | 3.1 |
| RDD | 2.2 | - |

| | WS | LS |
|-----------|-----|-----|
| SS-200 YR | - | 2.8 |
| SS-HTOL | - | 2.5 |
| RDD | 2.1 | - |

| | WS | LS |
|-----------|-----|-----|
| SS-200 YR | - | 3.2 |
| SS-HTOL | - | 3.1 |
| RDD | 1.6 | - |

| | WS | LS |
|-----------|-----|-----|
| SS-200 YR | - | 4.9 |
| SS-HTOL | - | 4.8 |
| RDD | 1.3 | - |

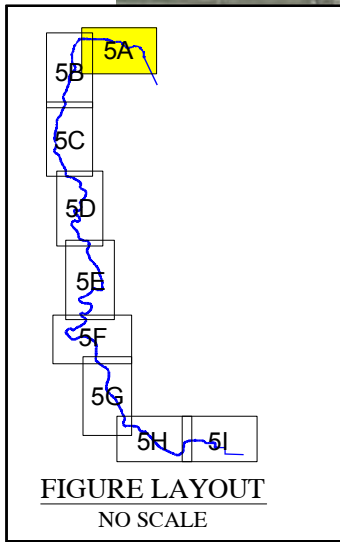


FIGURE LAYOUT
NO SCALE



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

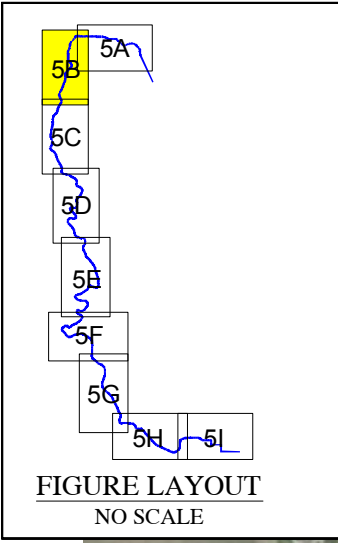


SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
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FIGURE NO
5A

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| STATION 100+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 3.2 |
| SS-HTOL | - | 3.1 |
| RDD | 1.8 | - |

| STATION 130+85 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.6 |
| SS-HTOL | - | 1.5 |
| RDD | 1.7 | - |

| STATION 138+25 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.7 |
| SS-HTOL | - | 1.6 |
| RDD | 1.4 | - |

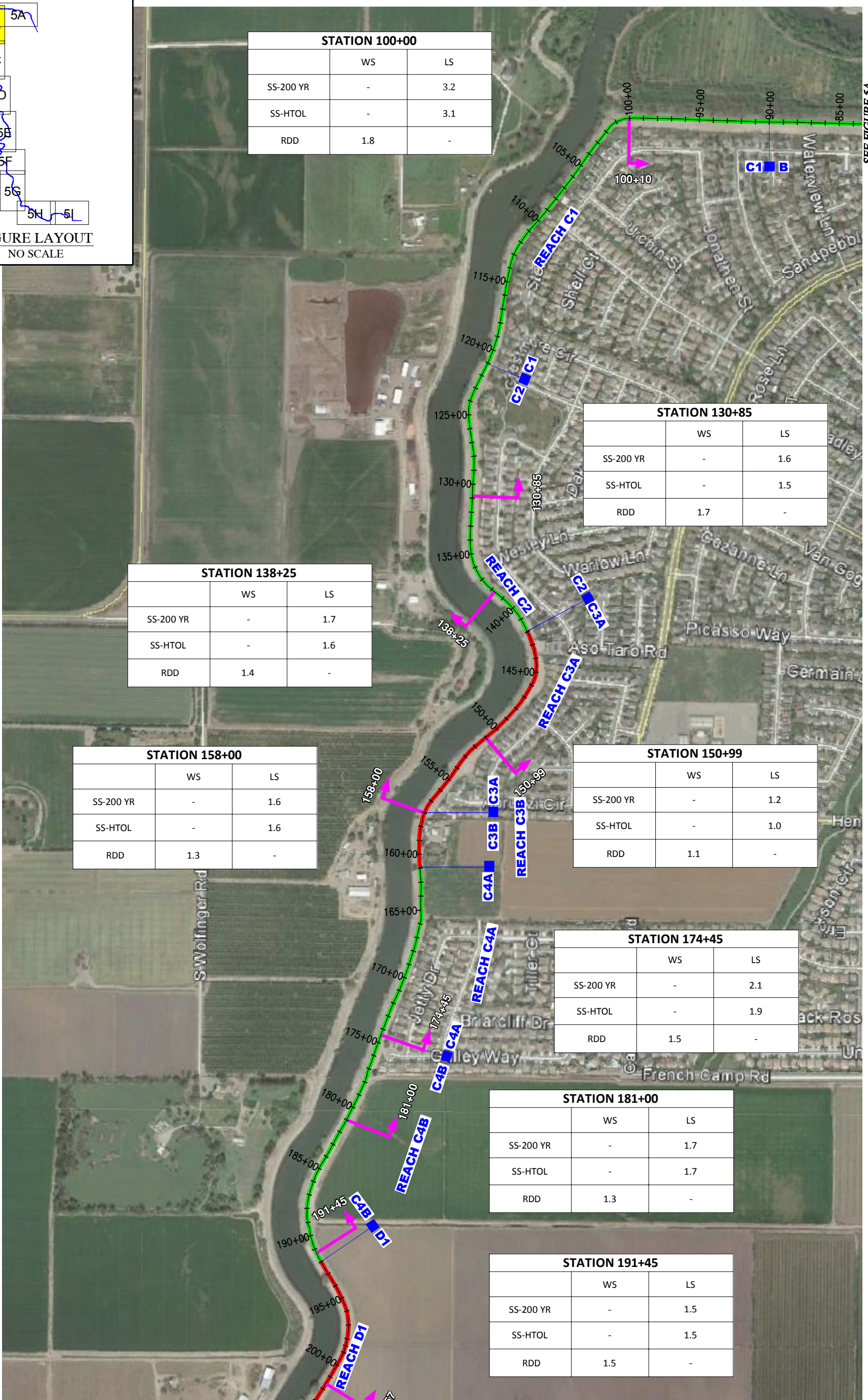
| STATION 150+99 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.2 |
| SS-HTOL | - | 1.0 |
| RDD | 1.1 | - |

| STATION 158+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.6 |
| SS-HTOL | - | 1.6 |
| RDD | 1.3 | - |

| STATION 174+45 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.1 |
| SS-HTOL | - | 1.9 |
| RDD | 1.5 | - |

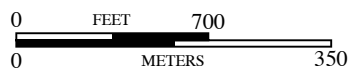
| STATION 181+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.7 |
| SS-HTOL | - | 1.7 |
| RDD | 1.3 | - |

| STATION 191+45 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.5 |
| SS-HTOL | - | 1.5 |
| RDD | 1.5 | - |



SEE FIGURE 5A

SEE FIGURE 5C



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



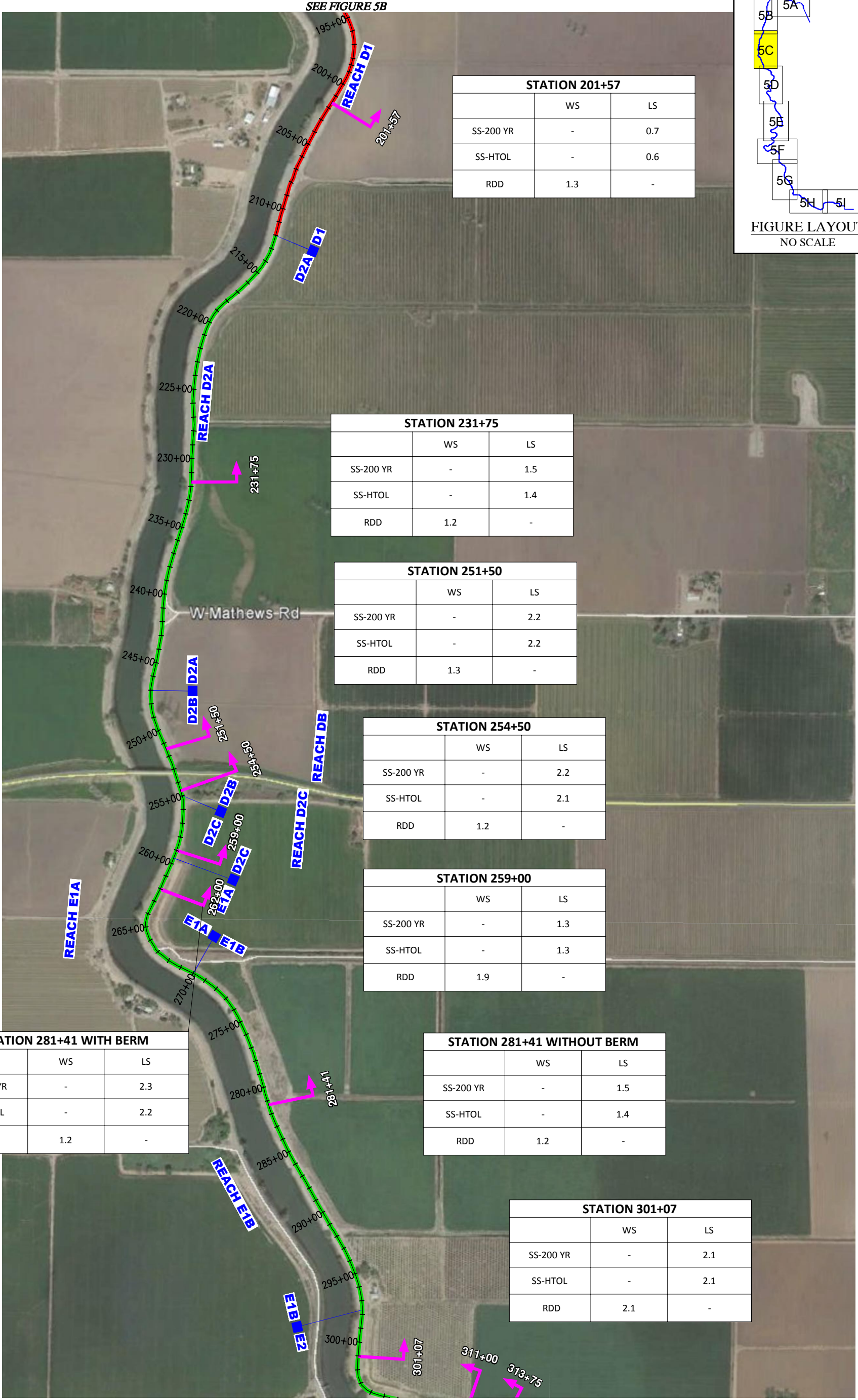
SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
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FIGURE NO.
5B

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| STATION 201+57 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 0.7 |
| SS-HTOL | - | 0.6 |
| RDD | 1.3 | - |

| STATION 231+75 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.5 |
| SS-HTOL | - | 1.4 |
| RDD | 1.2 | - |

| STATION 251+50 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.2 |
| SS-HTOL | - | 2.2 |
| RDD | 1.3 | - |

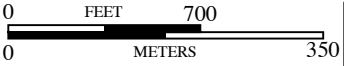
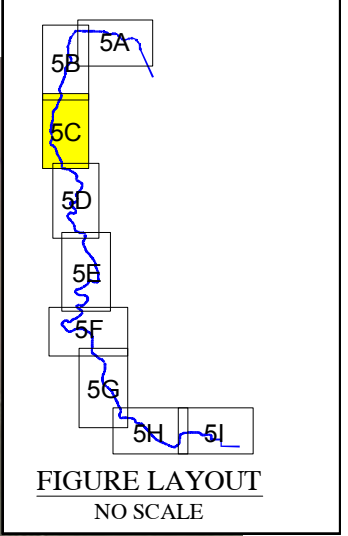
| STATION 254+50 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.2 |
| SS-HTOL | - | 2.1 |
| RDD | 1.2 | - |

| STATION 259+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.3 |
| SS-HTOL | - | 1.3 |
| RDD | 1.9 | - |

| STATION 281+41 WITH BERM | | |
|--------------------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.3 |
| SS-HTOL | - | 2.2 |
| RDD | 1.2 | - |

| STATION 281+41 WITHOUT BERM | | |
|-----------------------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.5 |
| SS-HTOL | - | 1.4 |
| RDD | 1.2 | - |

| STATION 301+07 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.1 |
| SS-HTOL | - | 2.1 |
| RDD | 2.1 | - |

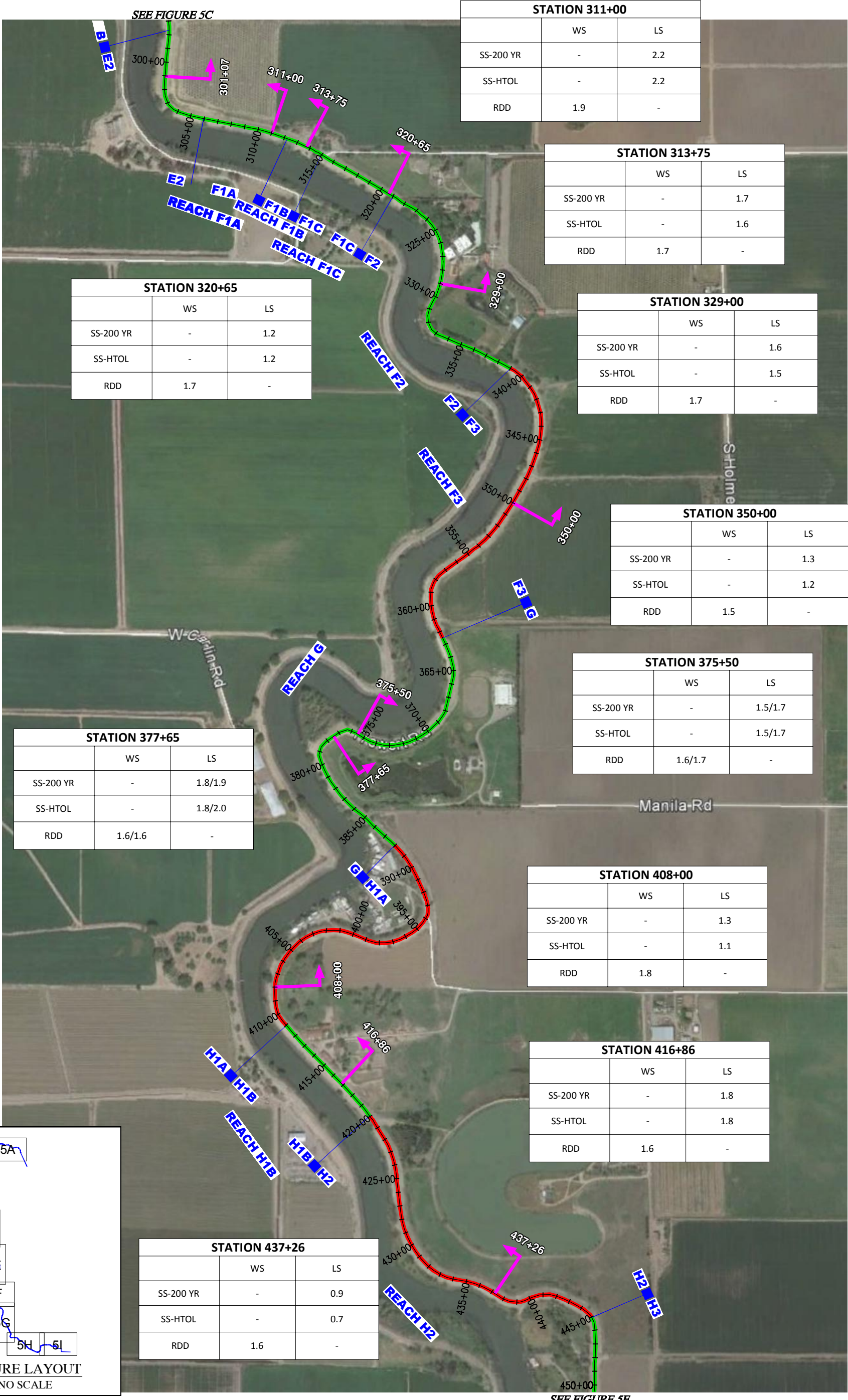


BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING
SLOPE STABILITY EVALUATION SUMMARY
 ULDC EVALUATION - RD 17
 SAN JOAQUIN COUNTY, CALIFORNIA

| | |
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| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
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FIGURE NO.
5C

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| STATION 311+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.2 |
| SS-HTOL | - | 2.2 |
| RDD | 1.9 | - |

| STATION 313+75 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.7 |
| SS-HTOL | - | 1.6 |
| RDD | 1.7 | - |

| STATION 320+65 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.2 |
| SS-HTOL | - | 1.2 |
| RDD | 1.7 | - |

| STATION 329+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.6 |
| SS-HTOL | - | 1.5 |
| RDD | 1.7 | - |

| STATION 350+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.3 |
| SS-HTOL | - | 1.2 |
| RDD | 1.5 | - |

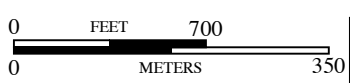
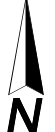
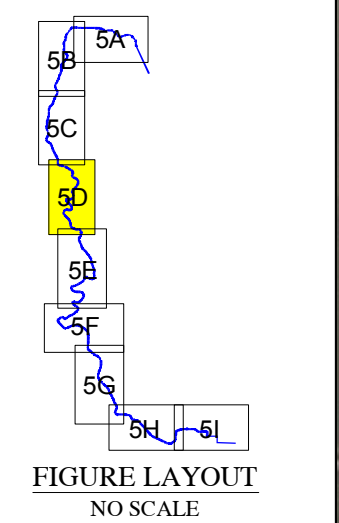
| STATION 377+65 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.8/1.9 |
| SS-HTOL | - | 1.8/2.0 |
| RDD | 1.6/1.6 | - |

| STATION 375+50 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.5/1.7 |
| SS-HTOL | - | 1.5/1.7 |
| RDD | 1.6/1.7 | - |

| STATION 408+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.3 |
| SS-HTOL | - | 1.1 |
| RDD | 1.8 | - |

| STATION 416+86 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.8 |
| SS-HTOL | - | 1.8 |
| RDD | 1.6 | - |

| STATION 437+26 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 0.9 |
| SS-HTOL | - | 0.7 |
| RDD | 1.6 | - |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

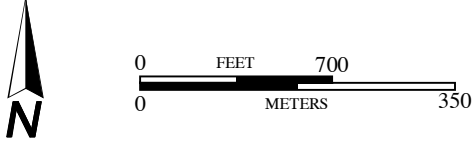
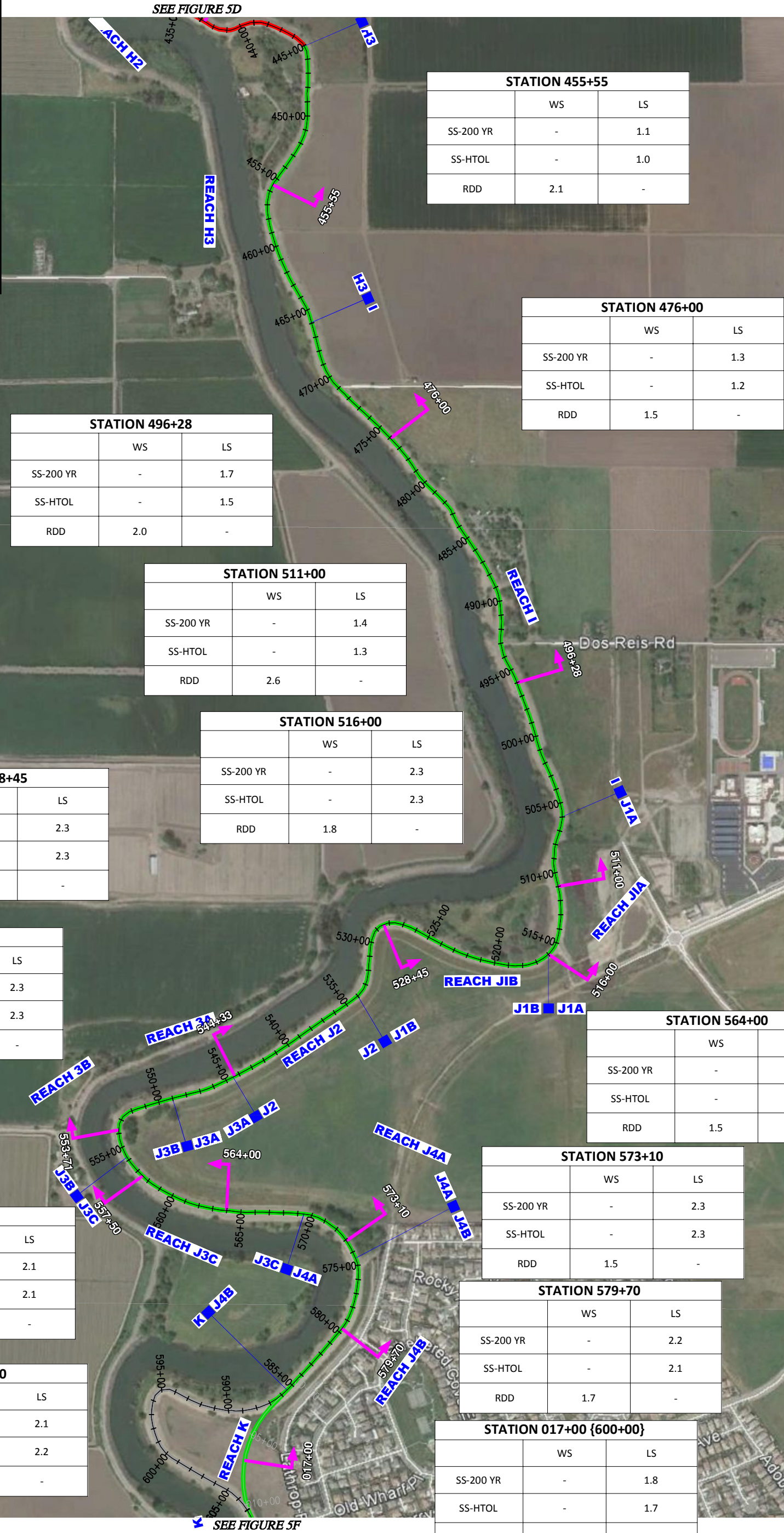
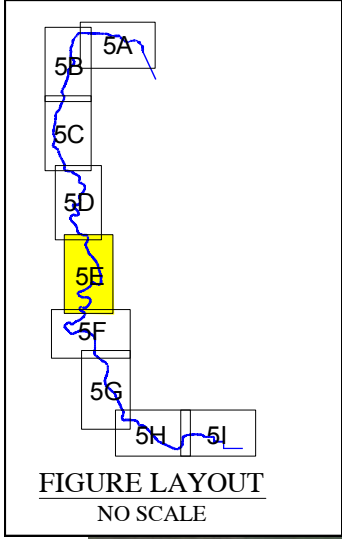


SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
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| CHECKED BY: | JJT |

FIGURE NO.
5D

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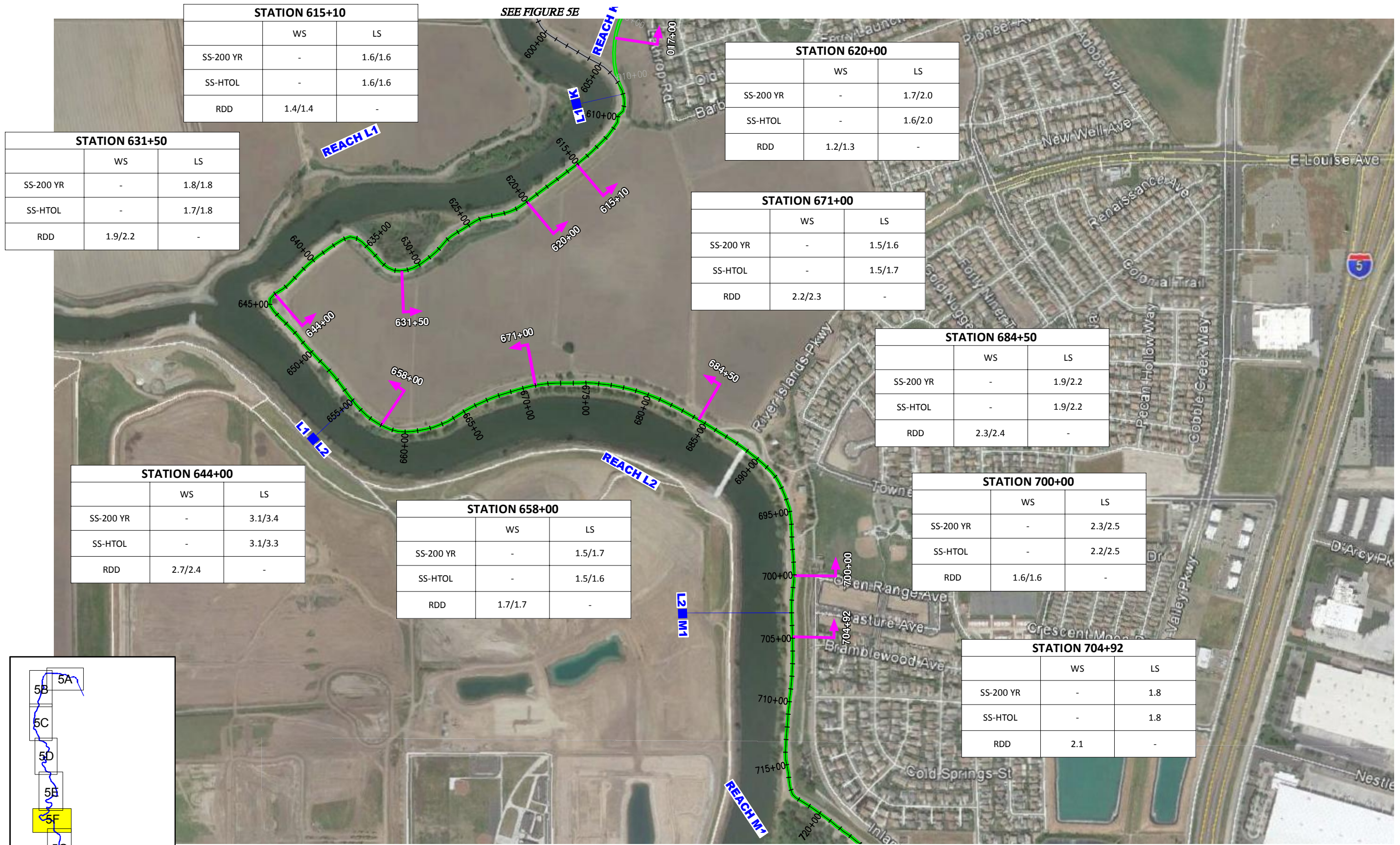
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SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
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| STATION 615+10 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.6/1.6 |
| SS-HTOL | - | 1.6/1.6 |
| RDD | 1.4/1.4 | - |

| STATION 620+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.7/2.0 |
| SS-HTOL | - | 1.6/2.0 |
| RDD | 1.2/1.3 | - |

| STATION 631+50 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.8/1.8 |
| SS-HTOL | - | 1.7/1.8 |
| RDD | 1.9/2.2 | - |

| STATION 671+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.5/1.6 |
| SS-HTOL | - | 1.5/1.7 |
| RDD | 2.2/2.3 | - |

| STATION 684+50 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.9/2.2 |
| SS-HTOL | - | 1.9/2.2 |
| RDD | 2.3/2.4 | - |

| STATION 644+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 3.1/3.4 |
| SS-HTOL | - | 3.1/3.3 |
| RDD | 2.7/2.4 | - |

| STATION 658+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.5/1.7 |
| SS-HTOL | - | 1.5/1.6 |
| RDD | 1.7/1.7 | - |

| STATION 700+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 2.3/2.5 |
| SS-HTOL | - | 2.2/2.5 |
| RDD | 1.6/1.6 | - |

| STATION 704+92 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.8 |
| SS-HTOL | - | 1.8 |
| RDD | 2.1 | - |

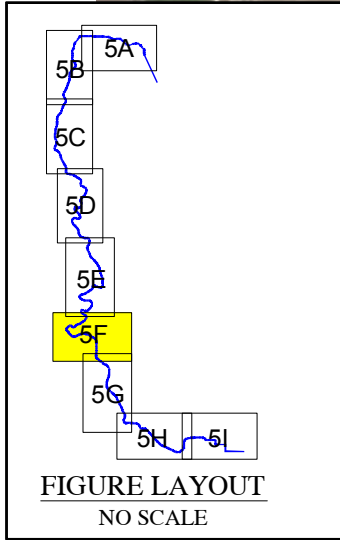
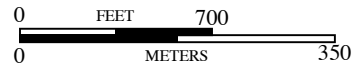


FIGURE LAYOUT
NO SCALE



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



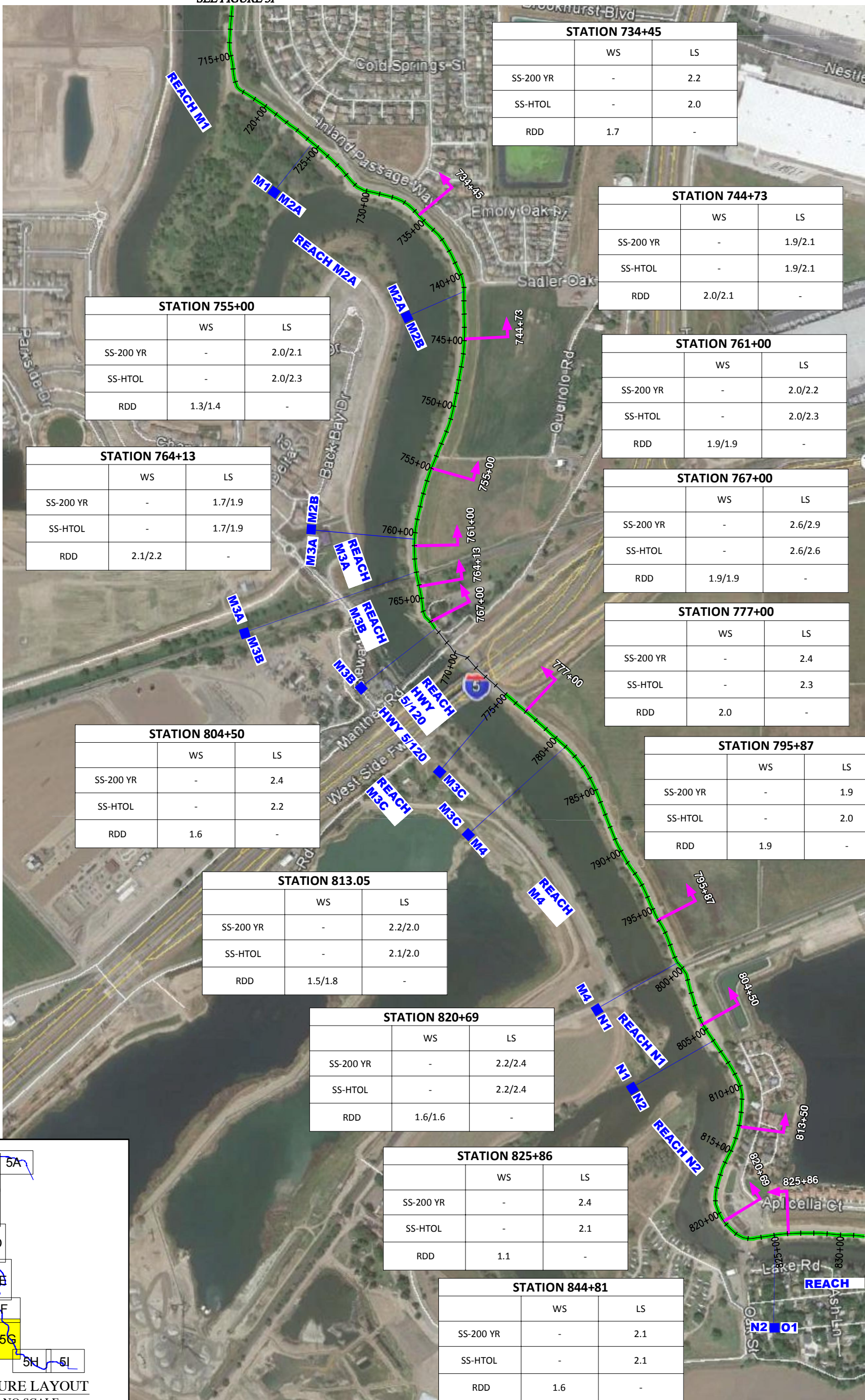
SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | SRP |
| CHECKED BY: | JJT |

FIGURE NO.
5F

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SEE FIGURE 5F



| STATION 734+45 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.2 |
| SS-HTOL | - | 2.0 |
| RDD | 1.7 | - |

| STATION 744+73 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.9/2.1 |
| SS-HTOL | - | 1.9/2.1 |
| RDD | 2.0/2.1 | - |

| STATION 755+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 2.0/2.1 |
| SS-HTOL | - | 2.0/2.3 |
| RDD | 1.3/1.4 | - |

| STATION 761+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 2.0/2.2 |
| SS-HTOL | - | 2.0/2.3 |
| RDD | 1.9/1.9 | - |

| STATION 764+13 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 1.7/1.9 |
| SS-HTOL | - | 1.7/1.9 |
| RDD | 2.1/2.2 | - |

| STATION 767+00 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 2.6/2.9 |
| SS-HTOL | - | 2.6/2.6 |
| RDD | 1.9/1.9 | - |

| STATION 777+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.4 |
| SS-HTOL | - | 2.3 |
| RDD | 2.0 | - |

| STATION 804+50 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.4 |
| SS-HTOL | - | 2.2 |
| RDD | 1.6 | - |

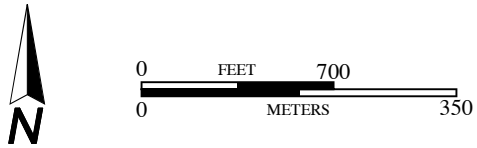
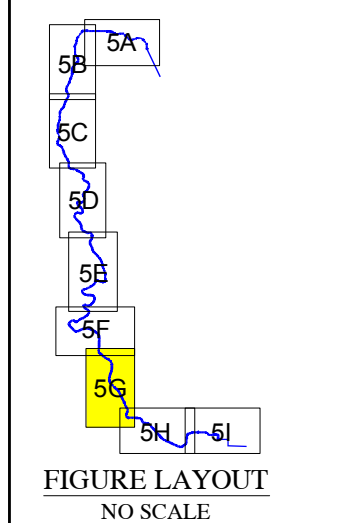
| STATION 795+87 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.9 |
| SS-HTOL | - | 2.0 |
| RDD | 1.9 | - |

| STATION 813.05 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 2.2/2.0 |
| SS-HTOL | - | 2.1/2.0 |
| RDD | 1.5/1.8 | - |

| STATION 820+69 | | |
|----------------|---------|---------|
| | WS | LS |
| SS-200 YR | - | 2.2/2.4 |
| SS-HTOL | - | 2.2/2.4 |
| RDD | 1.6/1.6 | - |

| STATION 825+86 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.4 |
| SS-HTOL | - | 2.1 |
| RDD | 1.1 | - |

| STATION 844+81 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.1 |
| SS-HTOL | - | 2.1 |
| RDD | 1.6 | - |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

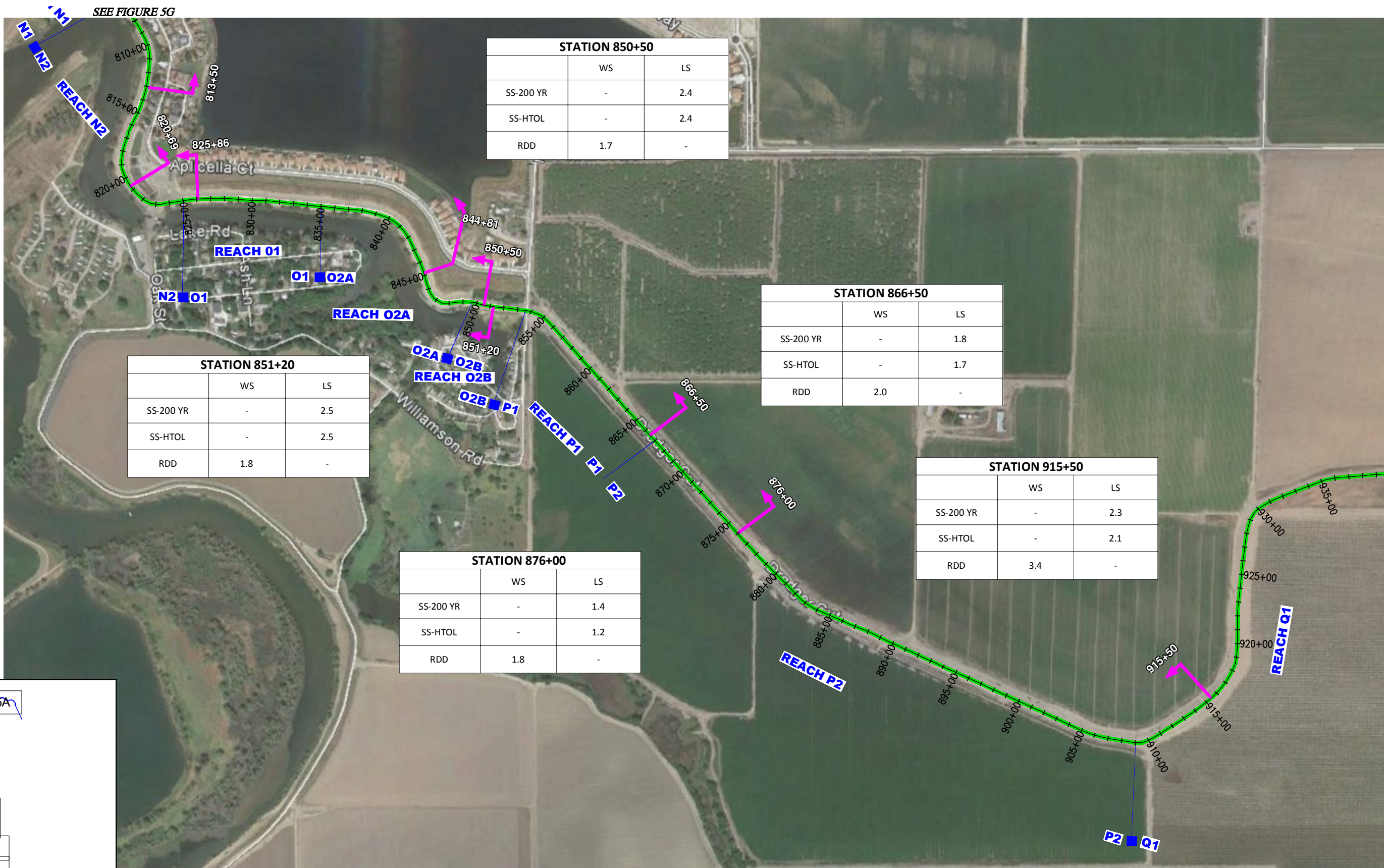
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SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

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| SCALE: | AS SHOWN | |
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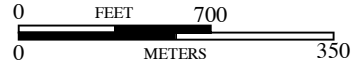
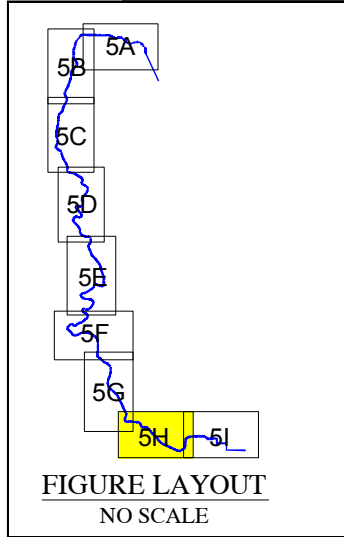
| STATION 851+20 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.5 |
| SS-HTOL | - | 2.5 |
| RDD | 1.8 | - |

| STATION 876+00 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.4 |
| SS-HTOL | - | 1.2 |
| RDD | 1.8 | - |

| STATION 850+50 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.4 |
| SS-HTOL | - | 2.4 |
| RDD | 1.7 | - |

| STATION 866+50 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 1.8 |
| SS-HTOL | - | 1.7 |
| RDD | 2.0 | - |

| STATION 915+50 | | |
|----------------|-----|-----|
| | WS | LS |
| SS-200 YR | - | 2.3 |
| SS-HTOL | - | 2.1 |
| RDD | 3.4 | - |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

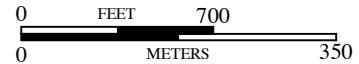
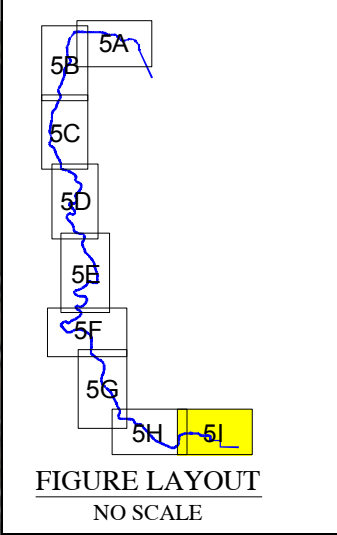
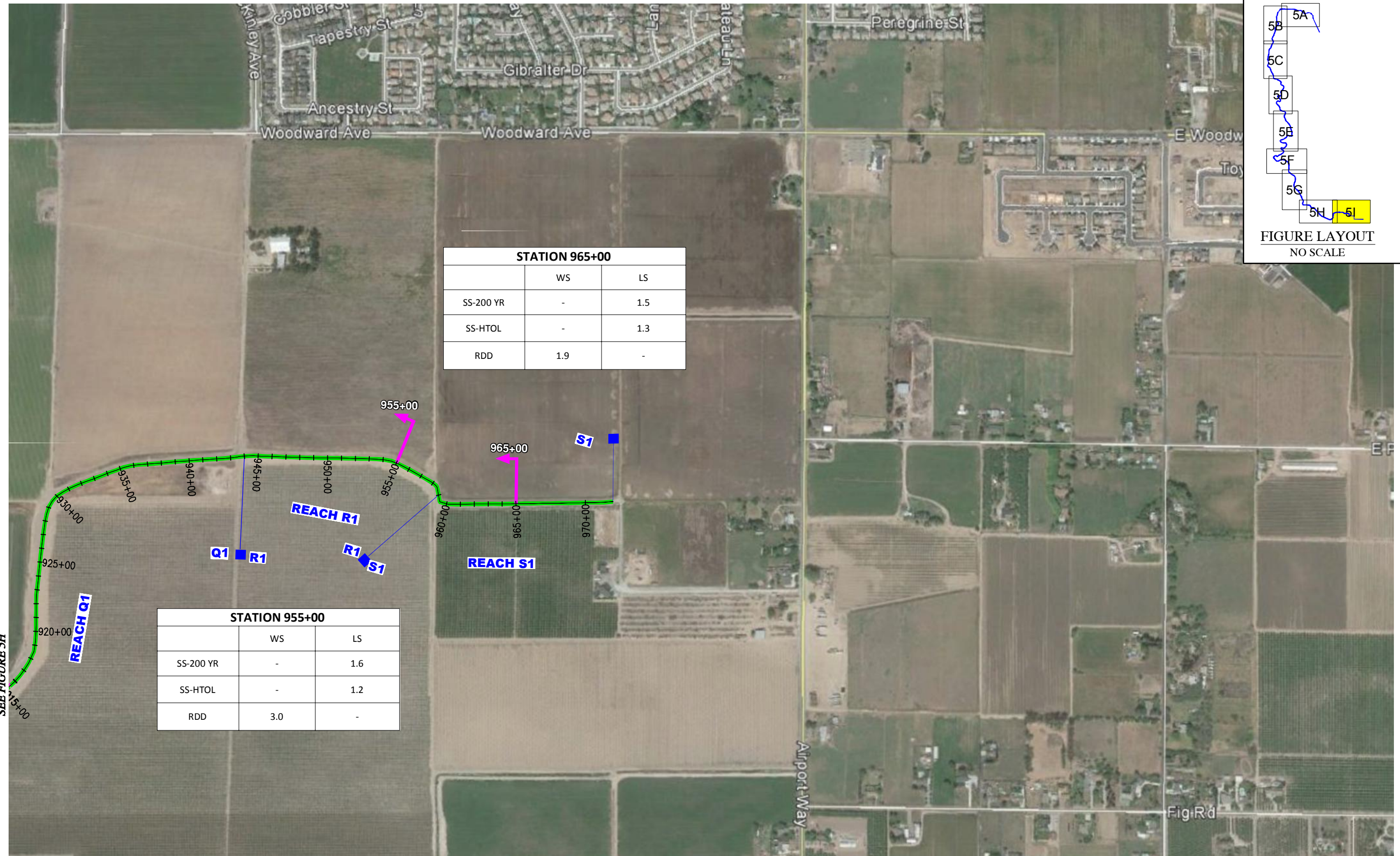


SLOPE STABILITY EVALUATION SUMMARY
 ULDC EVALUATION - RD 17
 SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
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FIGURE NO.
5H

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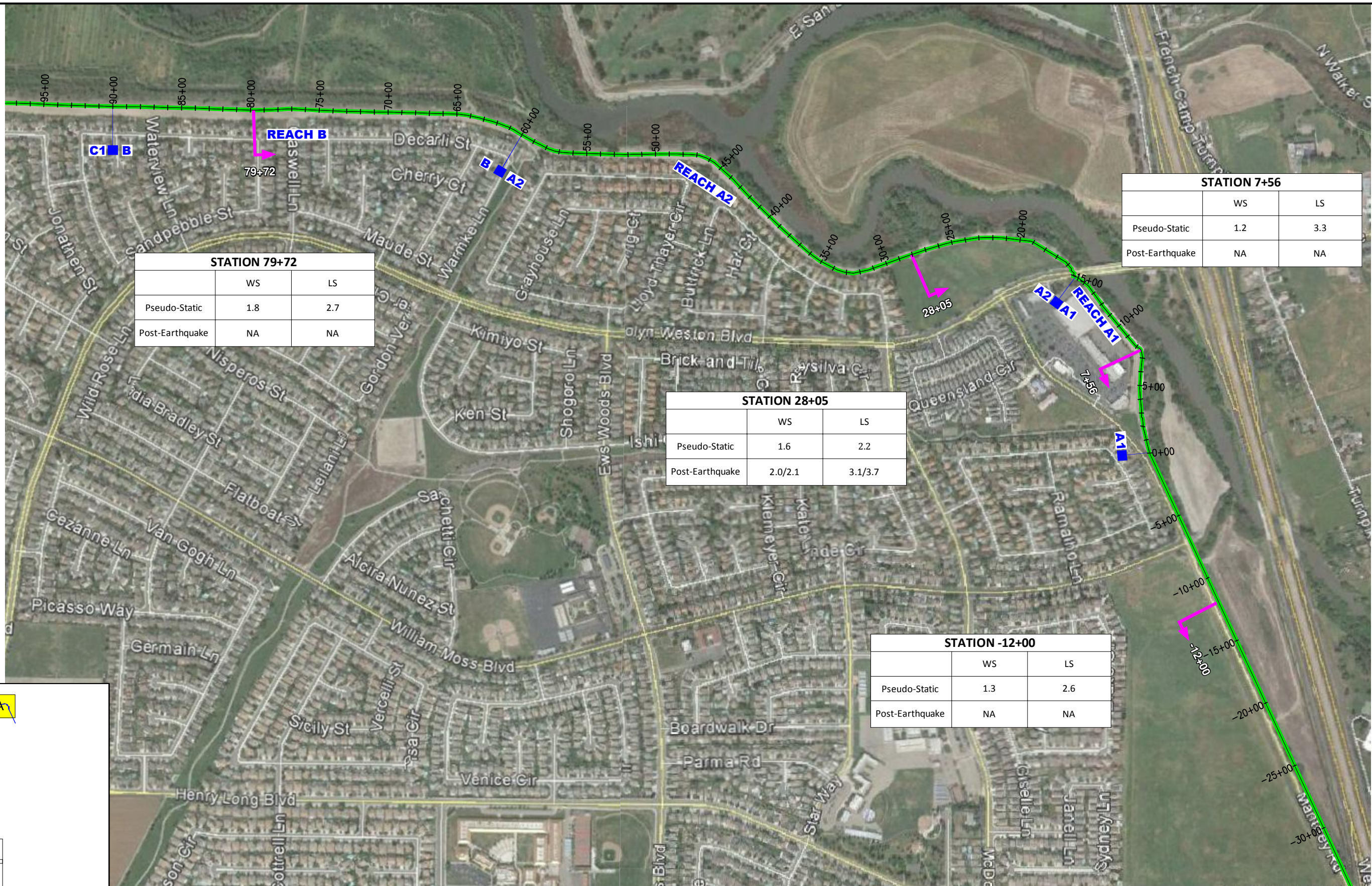
SLOPE STABILITY EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
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| CHECKED BY: | JJT |

FIGURE NC
5I

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SEE FIGURE 6B



| STATION 79+72 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.8 | 2.7 |
| Post-Earthquake | NA | NA |

| STATION 28+05 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.6 | 2.2 |
| Post-Earthquake | 2.0/2.1 | 3.1/3.7 |

| STATION -12+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.3 | 2.6 |
| Post-Earthquake | NA | NA |

| STATION 7+56 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.2 | 3.3 |
| Post-Earthquake | NA | NA |

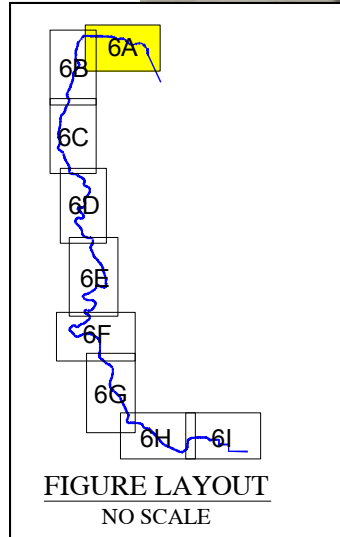
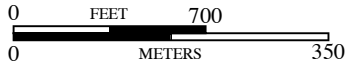


FIGURE LAYOUT
NO SCALE



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

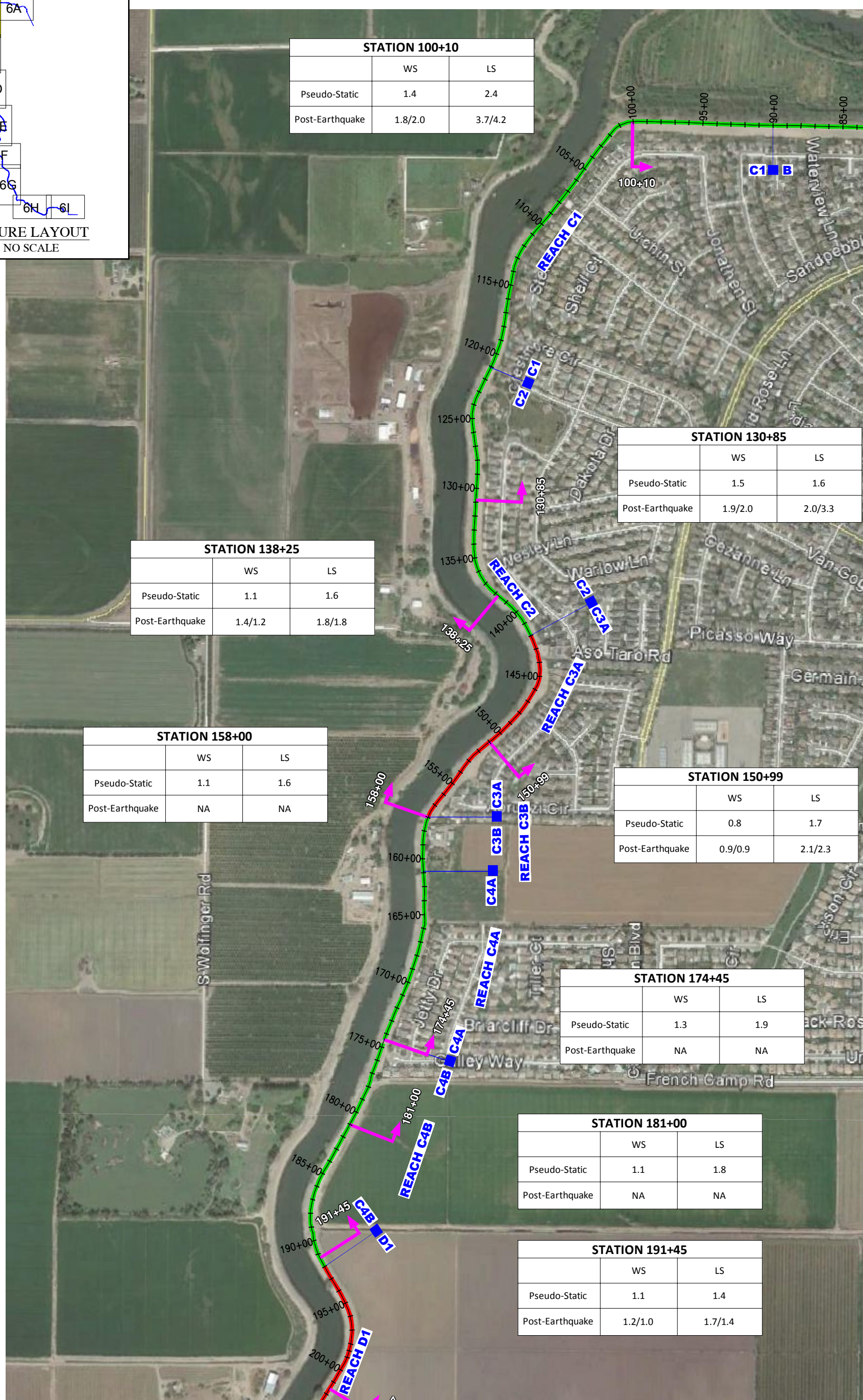
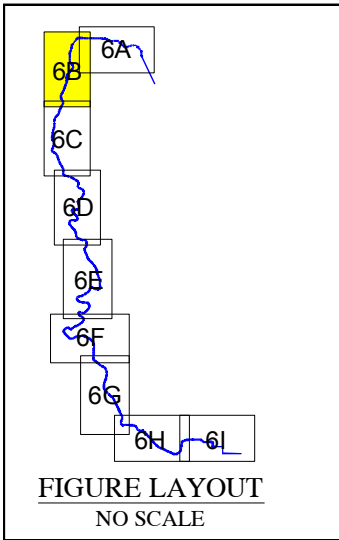


SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
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FIGURE NO.
6A

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| STATION 100+10 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.4 | 2.4 |
| Post-Earthquake | 1.8/2.0 | 3.7/4.2 |

| STATION 130+85 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.5 | 1.6 |
| Post-Earthquake | 1.9/2.0 | 2.0/3.3 |

| STATION 138+25 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.6 |
| Post-Earthquake | 1.4/1.2 | 1.8/1.8 |

| STATION 158+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.6 |
| Post-Earthquake | NA | NA |

| STATION 150+99 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 0.8 | 1.7 |
| Post-Earthquake | 0.9/0.9 | 2.1/2.3 |

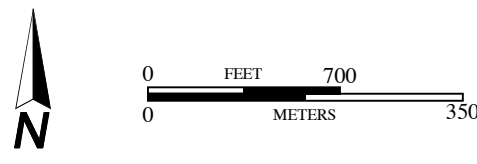
| STATION 174+45 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.3 | 1.9 |
| Post-Earthquake | NA | NA |

| STATION 181+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.8 |
| Post-Earthquake | NA | NA |

| STATION 191+45 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.4 |
| Post-Earthquake | 1.2/1.0 | 1.7/1.4 |

SEE FIGURE 6A

SEE FIGURE 6C



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

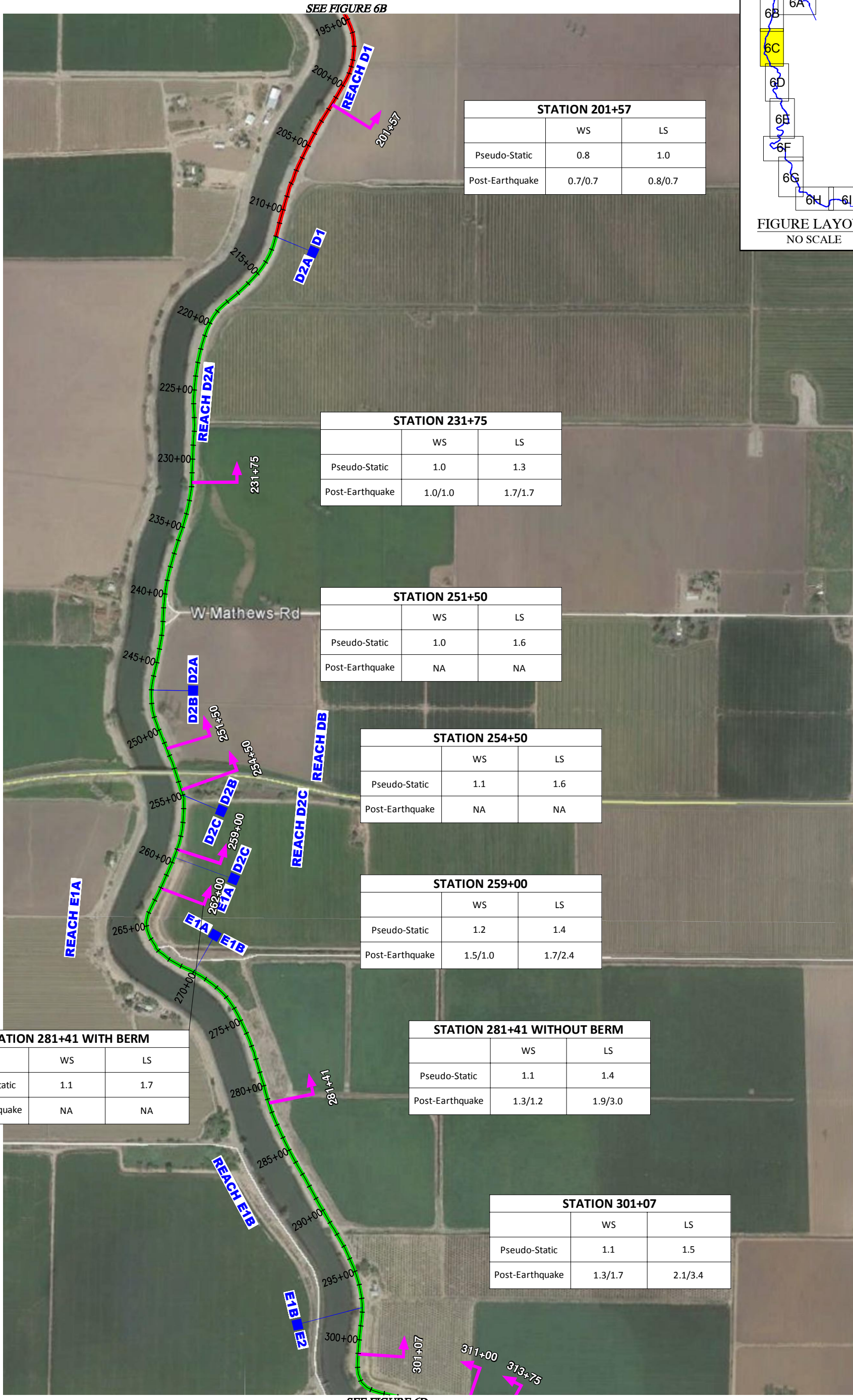


SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

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| STATION 201+57 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 0.8 | 1.0 |
| Post-Earthquake | 0.7/0.7 | 0.8/0.7 |

| STATION 231+75 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.0 | 1.3 |
| Post-Earthquake | 1.0/1.0 | 1.7/1.7 |

| STATION 251+50 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.0 | 1.6 |
| Post-Earthquake | NA | NA |

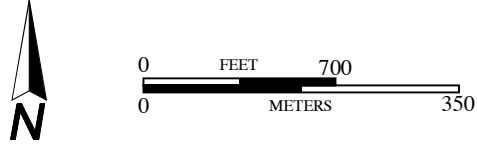
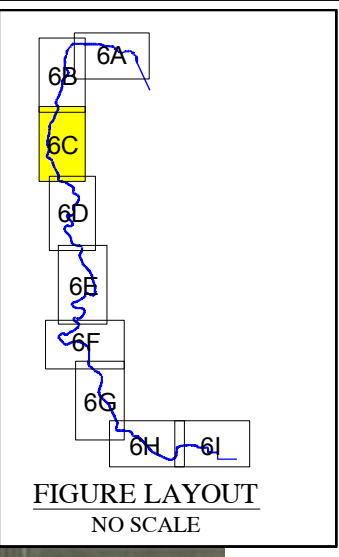
| STATION 254+50 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.6 |
| Post-Earthquake | NA | NA |

| STATION 259+00 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.2 | 1.4 |
| Post-Earthquake | 1.5/1.0 | 1.7/2.4 |

| STATION 281+41 WITH BERM | | |
|--------------------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.7 |
| Post-Earthquake | NA | NA |

| STATION 281+41 WITHOUT BERM | | |
|-----------------------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.4 |
| Post-Earthquake | 1.3/1.2 | 1.9/3.0 |

| STATION 301+07 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.5 |
| Post-Earthquake | 1.3/1.7 | 2.1/3.4 |

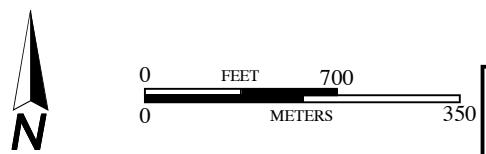
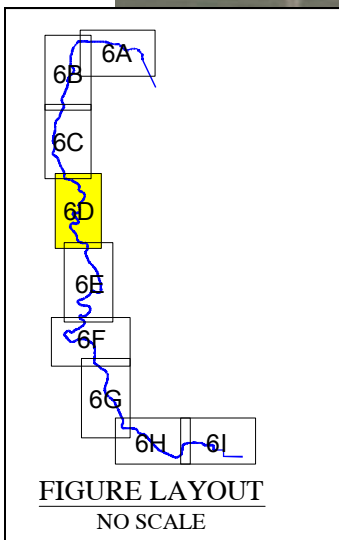
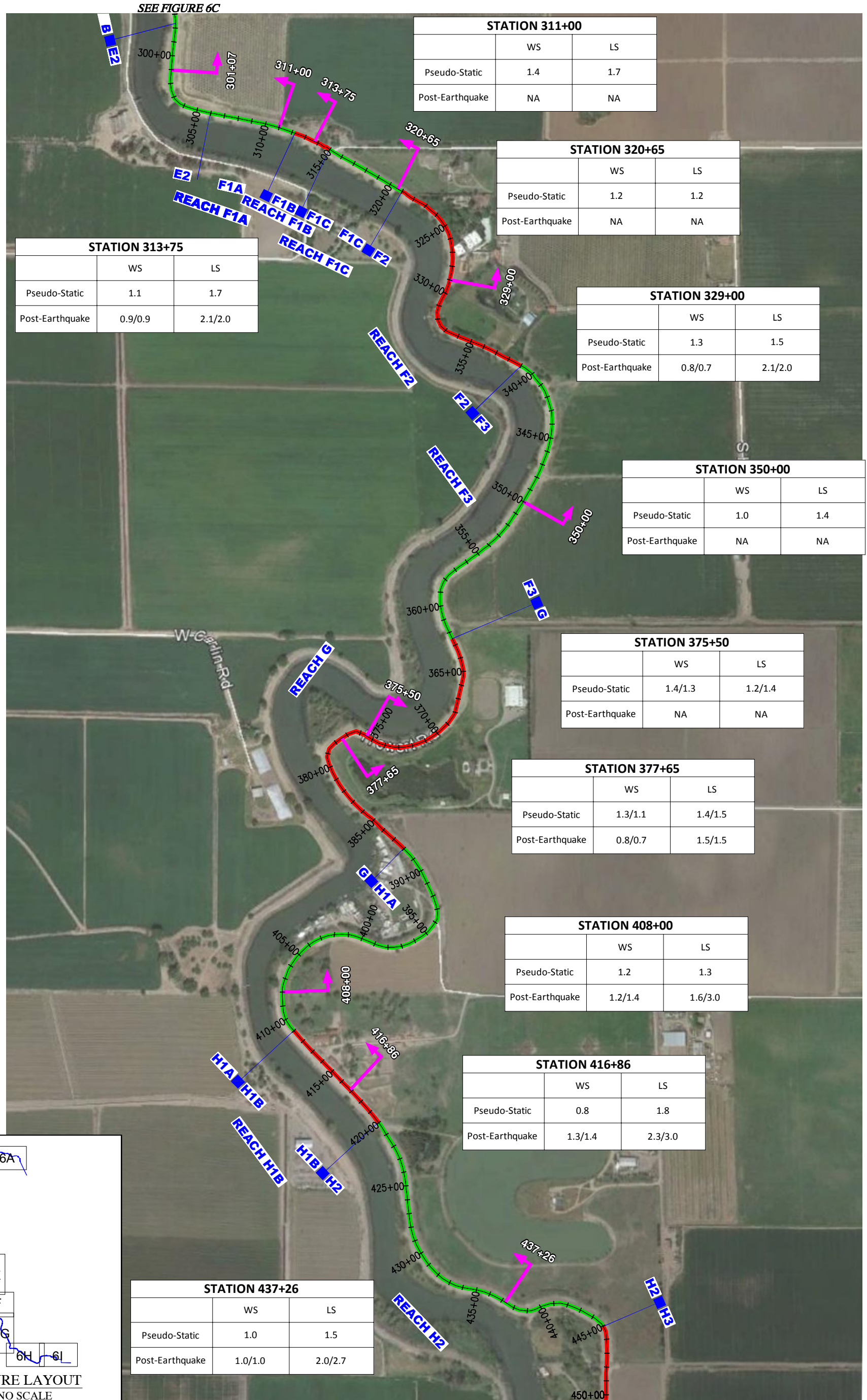


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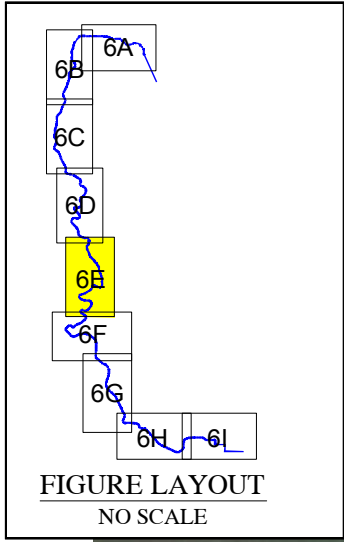
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| | SEISMIC EVALUATION SUMMARY | | PROJECT NO.: 5747.005.000 | 6C |
| | ULDC EVALUATION - RD 17 | | SCALE: AS SHOWN | |
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SEE FIGURE 6D

| STATION 455+55 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.7 | 1.5 |
| Post-Earthquake | 1.8/0.9 | 1.2/1.1 |

| STATION 476+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.4 |
| Post-Earthquake | NA | NA |

| STATION 496+28 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.2 | 1.9 |
| Post-Earthquake | NA | NA |

| STATION 511+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 2.2 | 1.5 |
| Post-Earthquake | NA | NA |

| STATION 516+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.4 | 1.7 |
| Post-Earthquake | NA | NA |

| STATION 544+33 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 0.7 | 1.4 |
| Post-Earthquake | NA | NA |

| STATION 528+45 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.7 |
| Post-Earthquake | 1.1/1.1 | 2.3/3.0 |

| STATION 553+71 | | |
|-----------------|---------|---------|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.5 |
| Post-Earthquake | 1.3/1.3 | 1.9/3.0 |

| STATION 564+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.3 | 1.6 |
| Post-Earthquake | NA | NA |

| STATION 557+50 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.1 | 1.4 |
| Post-Earthquake | NA | NA |

| STATION 573+10 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.2 | 1.8 |
| Post-Earthquake | NA | NA |

| STATION 017+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.8 | 1.8 |
| Post-Earthquake | NA | NA |

| STATION 579+70 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.2 | 1.5 |
| Post-Earthquake | NA | NA |

SEE FIGURE 6F



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

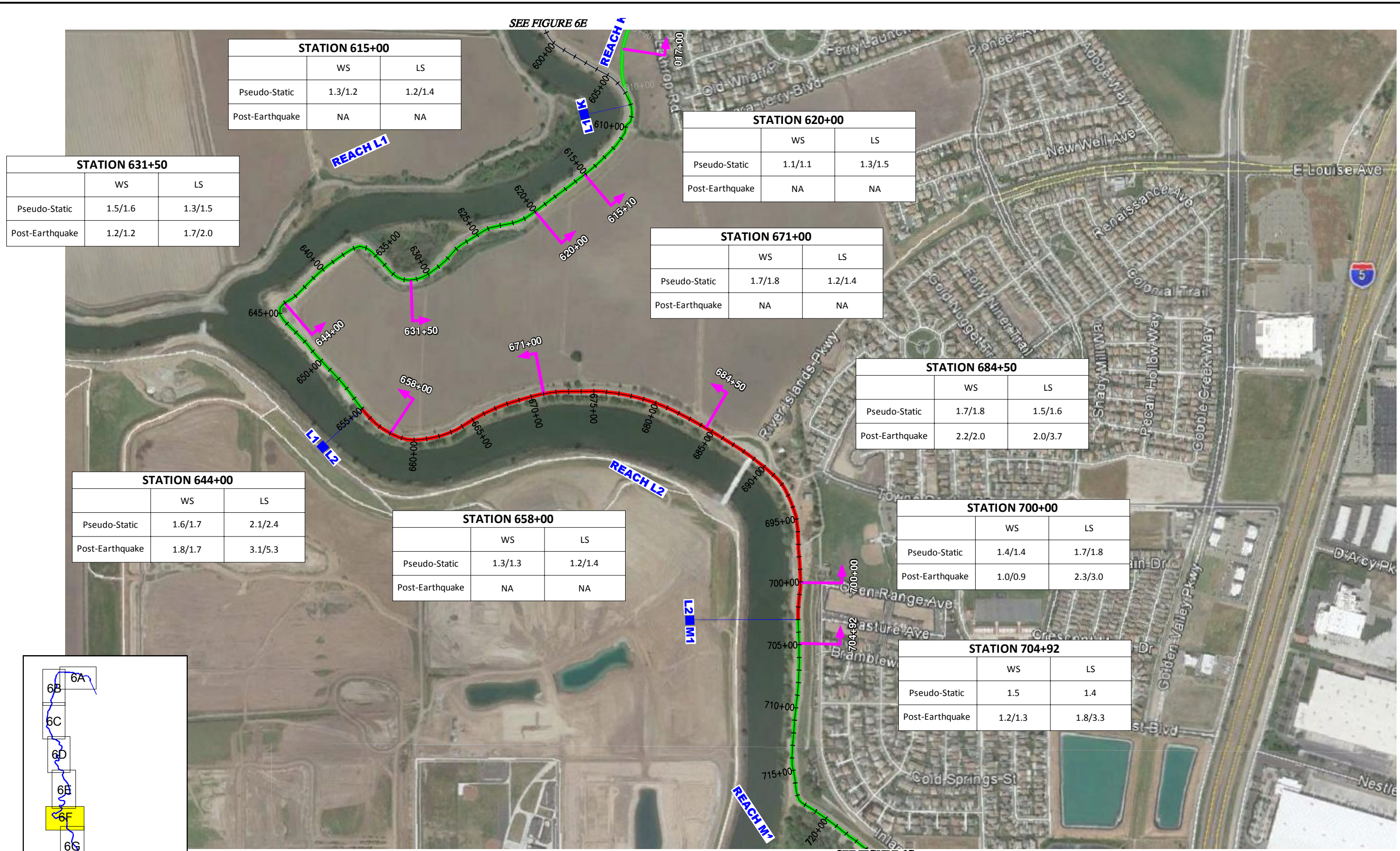
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| PROJECT NO.: | 5747.005.000 |
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FIGURE NO.

6E

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SEE FIGURE 6E

SEE FIGURE 6G

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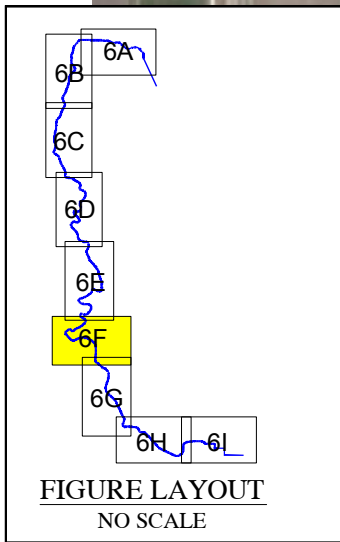
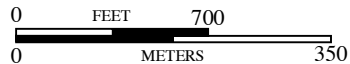


FIGURE LAYOUT
NO SCALE



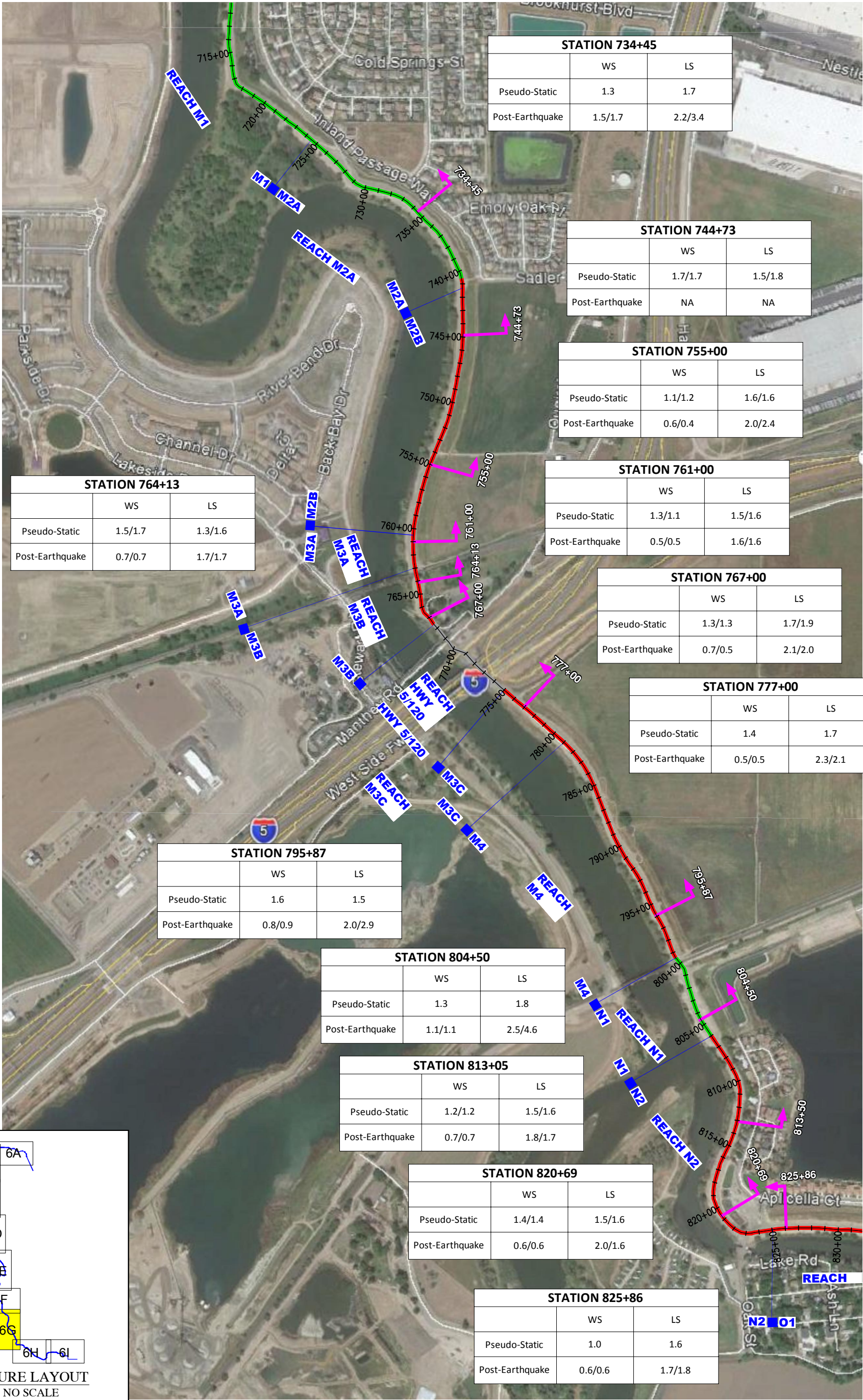
SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
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FIGURE NO
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SEE FIGURE 6F



STATION 764+13

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.5/1.7 | 1.3/1.6 |
| Post-Earthquake | 0.7/0.7 | 1.7/1.7 |

STATION 734+45

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.3 | 1.7 |
| Post-Earthquake | 1.5/1.7 | 2.2/3.4 |

STATION 744+73

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.7/1.7 | 1.5/1.8 |
| Post-Earthquake | NA | NA |

STATION 755+00

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.1/1.2 | 1.6/1.6 |
| Post-Earthquake | 0.6/0.4 | 2.0/2.4 |

STATION 761+00

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.3/1.1 | 1.5/1.6 |
| Post-Earthquake | 0.5/0.5 | 1.6/1.6 |

STATION 767+00

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.3/1.3 | 1.7/1.9 |
| Post-Earthquake | 0.7/0.5 | 2.1/2.0 |

STATION 777+00

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.4 | 1.7 |
| Post-Earthquake | 0.5/0.5 | 2.3/2.1 |

STATION 795+87

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.6 | 1.5 |
| Post-Earthquake | 0.8/0.9 | 2.0/2.9 |

STATION 804+50

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.3 | 1.8 |
| Post-Earthquake | 1.1/1.1 | 2.5/4.6 |

STATION 813+05

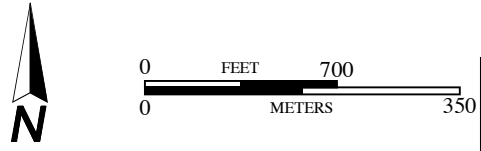
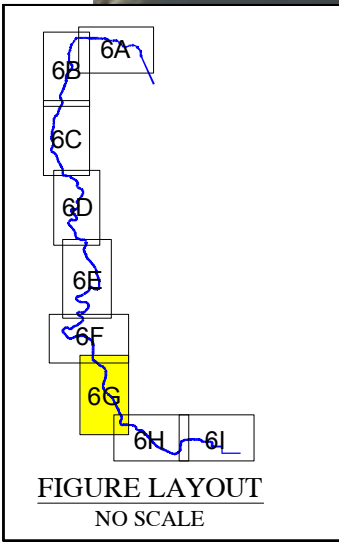
| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.2/1.2 | 1.5/1.6 |
| Post-Earthquake | 0.7/0.7 | 1.8/1.7 |

STATION 820+69

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.4/1.4 | 1.5/1.6 |
| Post-Earthquake | 0.6/0.6 | 2.0/1.6 |

STATION 825+86

| | WS | LS |
|-----------------|---------|---------|
| Pseudo-Static | 1.0 | 1.6 |
| Post-Earthquake | 0.6/0.6 | 1.7/1.8 |



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING



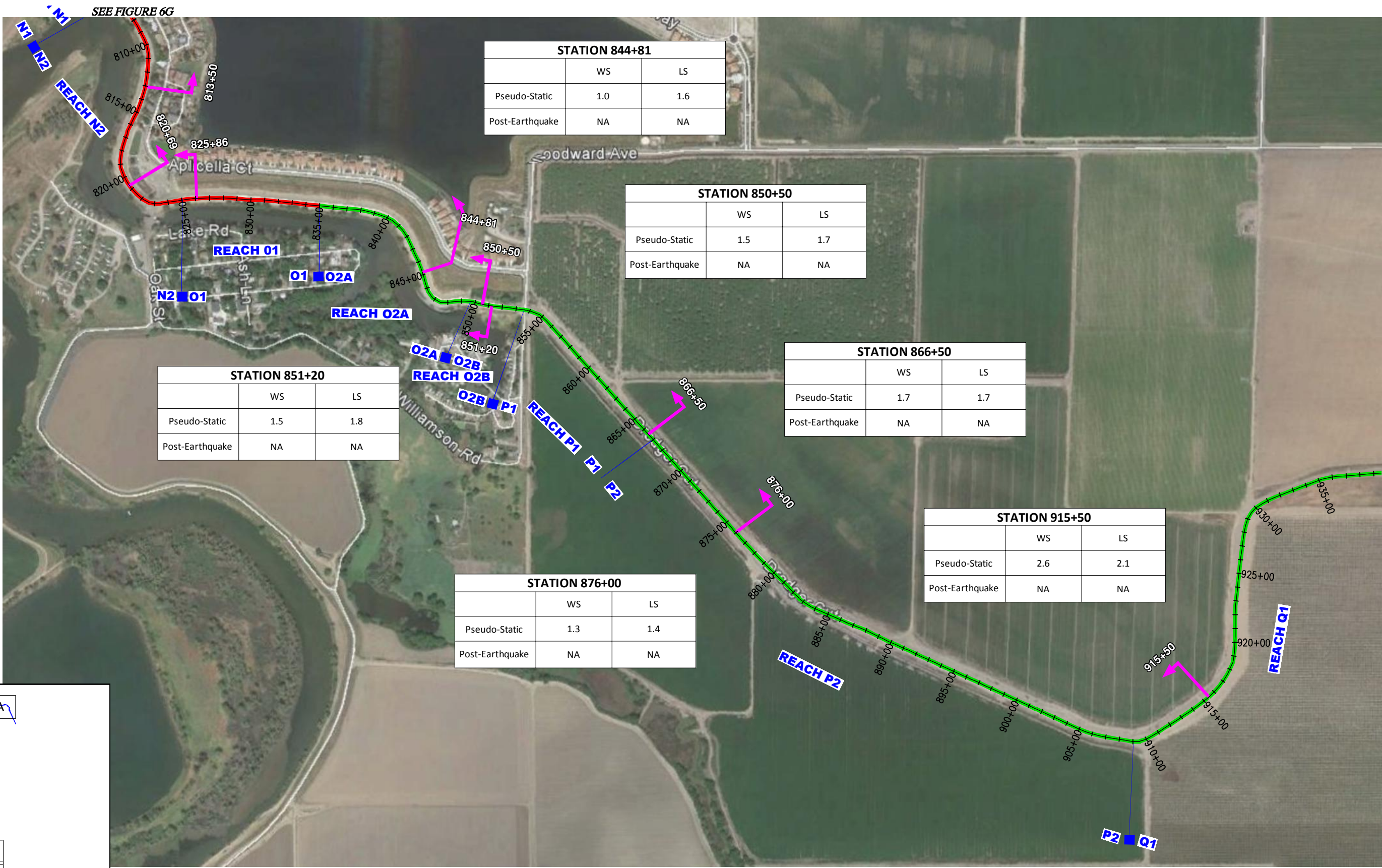
SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

PROJECT NO.: 5747.005.000
SCALE: AS SHOWN
DRAWN BY: SRP CHECKED BY: JJT

FIGURE NO.
6G

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| STATION 851+20 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.5 | 1.8 |
| Post-Earthquake | NA | NA |

| STATION 844+81 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.0 | 1.6 |
| Post-Earthquake | NA | NA |

| STATION 850+50 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.5 | 1.7 |
| Post-Earthquake | NA | NA |

| STATION 866+50 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.7 | 1.7 |
| Post-Earthquake | NA | NA |

| STATION 876+00 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 1.3 | 1.4 |
| Post-Earthquake | NA | NA |

| STATION 915+50 | | |
|-----------------|-----|-----|
| | WS | LS |
| Pseudo-Static | 2.6 | 2.1 |
| Post-Earthquake | NA | NA |

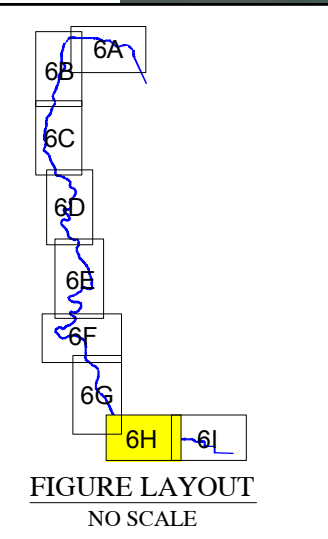
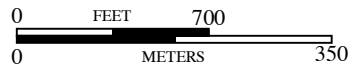


FIGURE LAYOUT
NO SCALE



BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

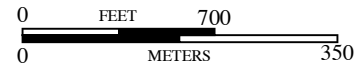
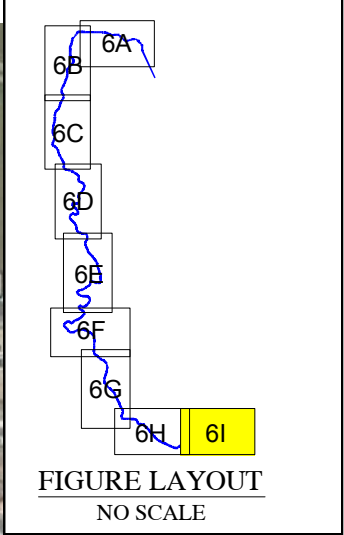
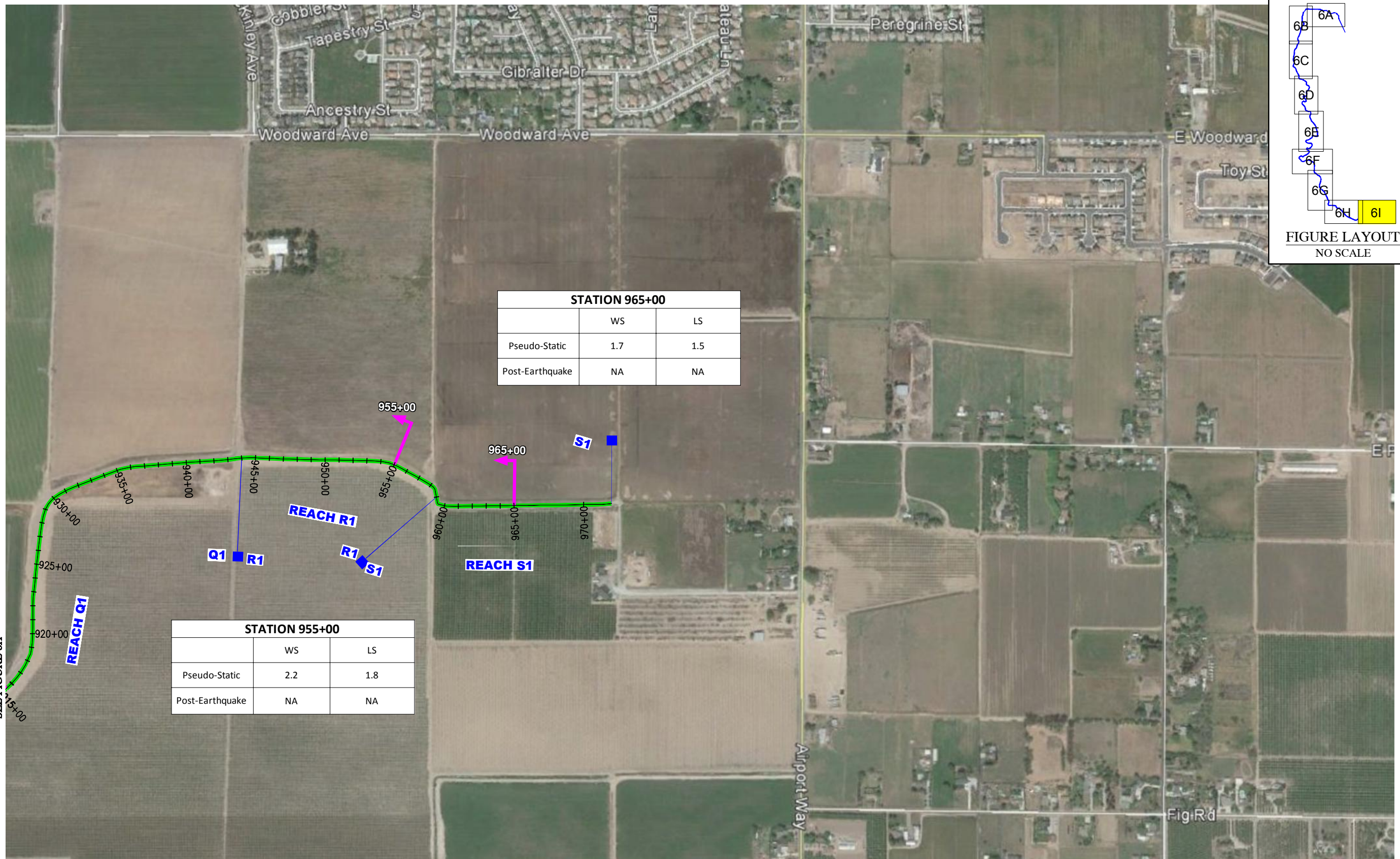


SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | LL |
| CHECKED BY: | JJT |

FIGURE NO
6H

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BASE MAP SOURCE: MACKAY & SOMPS CIVIL ENGINEERING

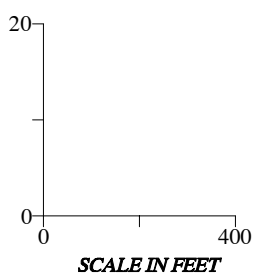
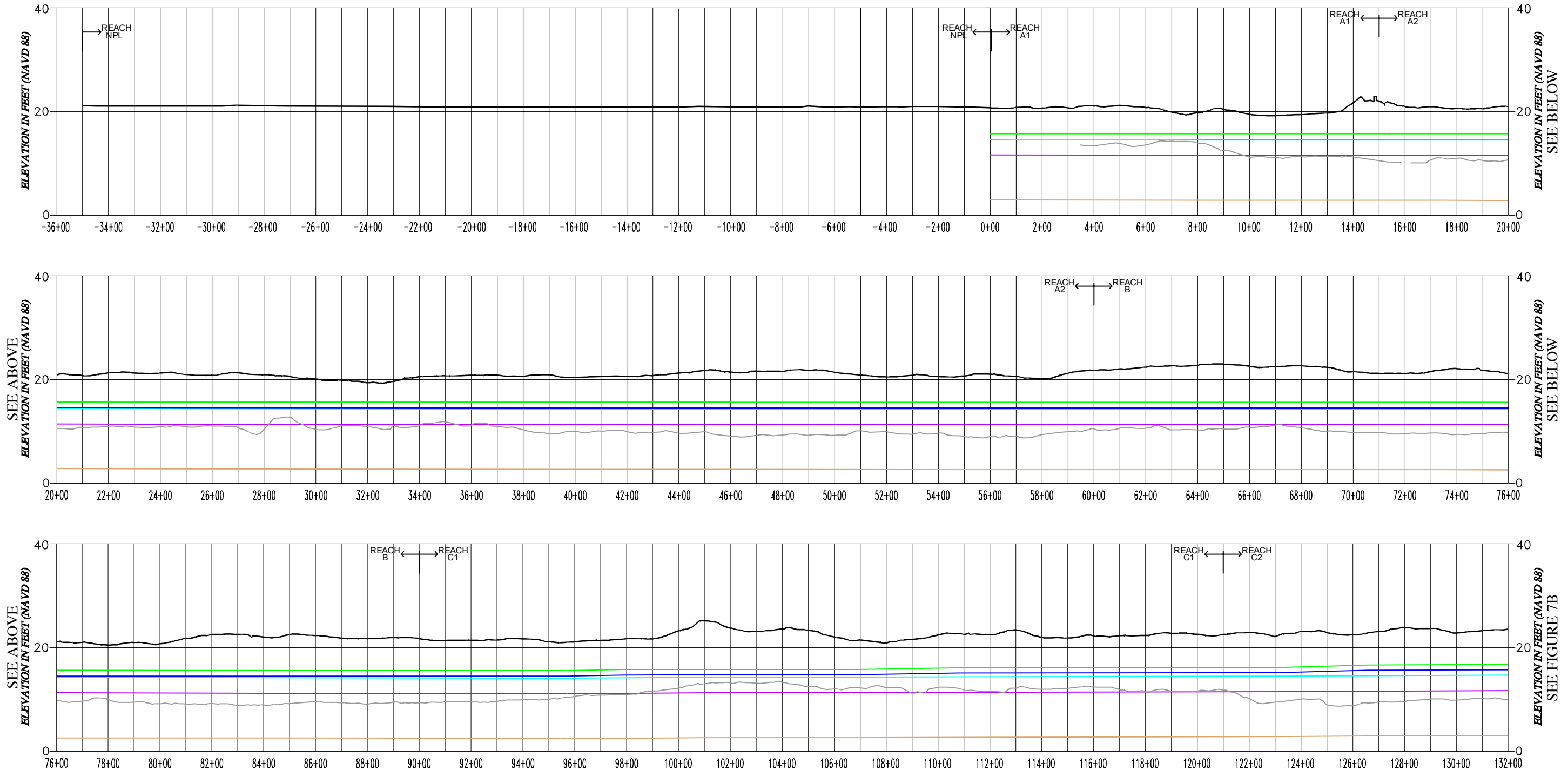


SEISMIC EVALUATION SUMMARY
ULDC EVALUATION - RD 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|--------------|--------------|
| PROJECT NO.: | 5747.005.000 |
| SCALE: | AS SHOWN |
| DRAWN BY: | SRP |
| CHECKED BY: | JJT |

FIGURE NO.
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EXPLANATION
ALL LOCATIONS ARE APPROXIMATE

| | |
|---|------------------------|
| — LEVEE CROWN | — 10 YEAR WSE + 3 FEET |
| — HTOL | — 10 YEAR WSE |
| — 200 YEAR DWSE | — LANDSIDE TOE |
| — ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT | — SEISMIC WSE |

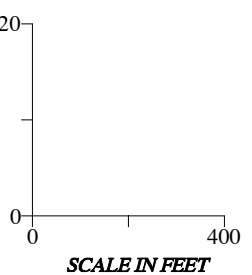
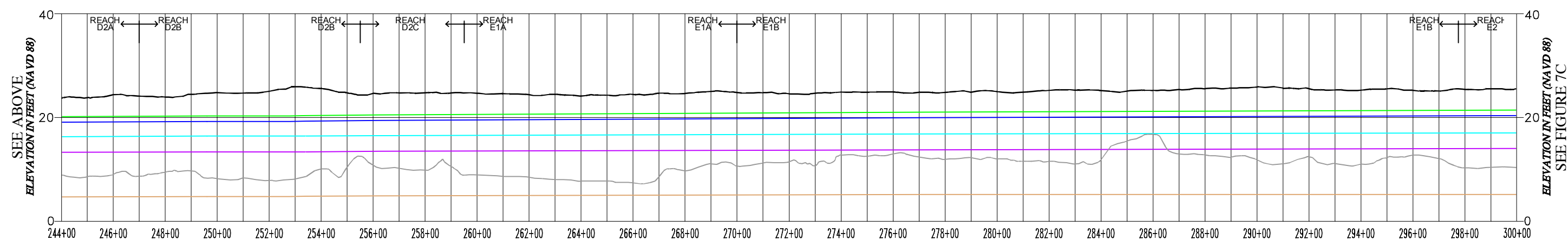
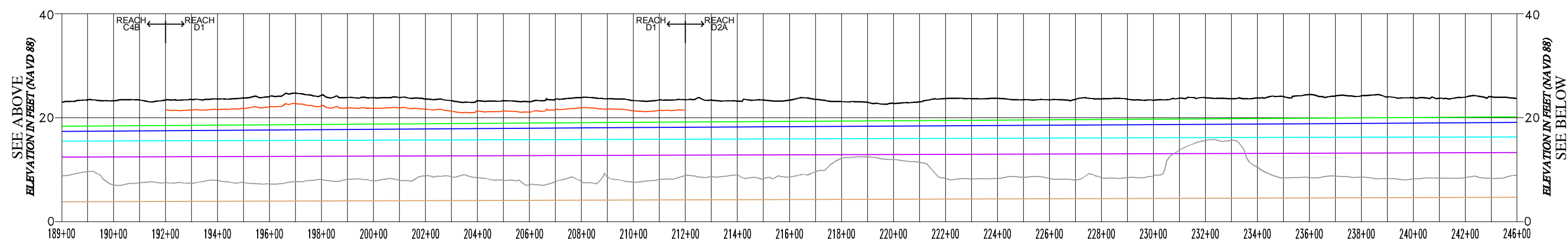
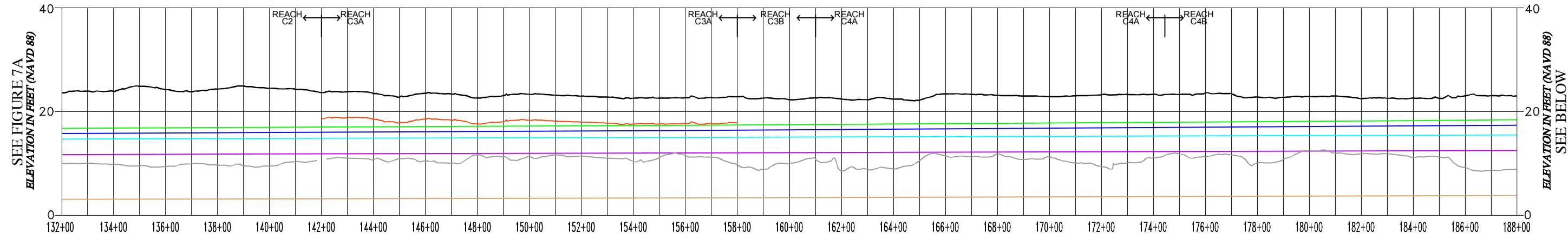


WATER SURFACE PROFILES
ULDC EVALUATION - RECLAMATION DISTRICT NO. 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|---------------------------|-----------------|
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| SCALE: AS SHOWN | |
| DRAWN BY: DLB | CHECKED BY: JJT |

FIGURE NO.
7A

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EXPLANATION
ALL LOCATIONS ARE APPROXIMATE

| | |
|---|----------------------|
| LEVEE CROWN | 10 YEAR WSE + 3 FEET |
| HTOL | 10 YEAR WSE |
| 200 YEAR DWSE | LANDSIDE TOE |
| ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT | SEISMIC WSE |

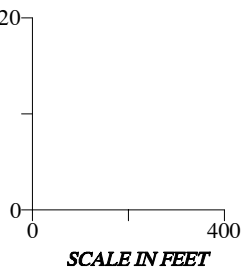
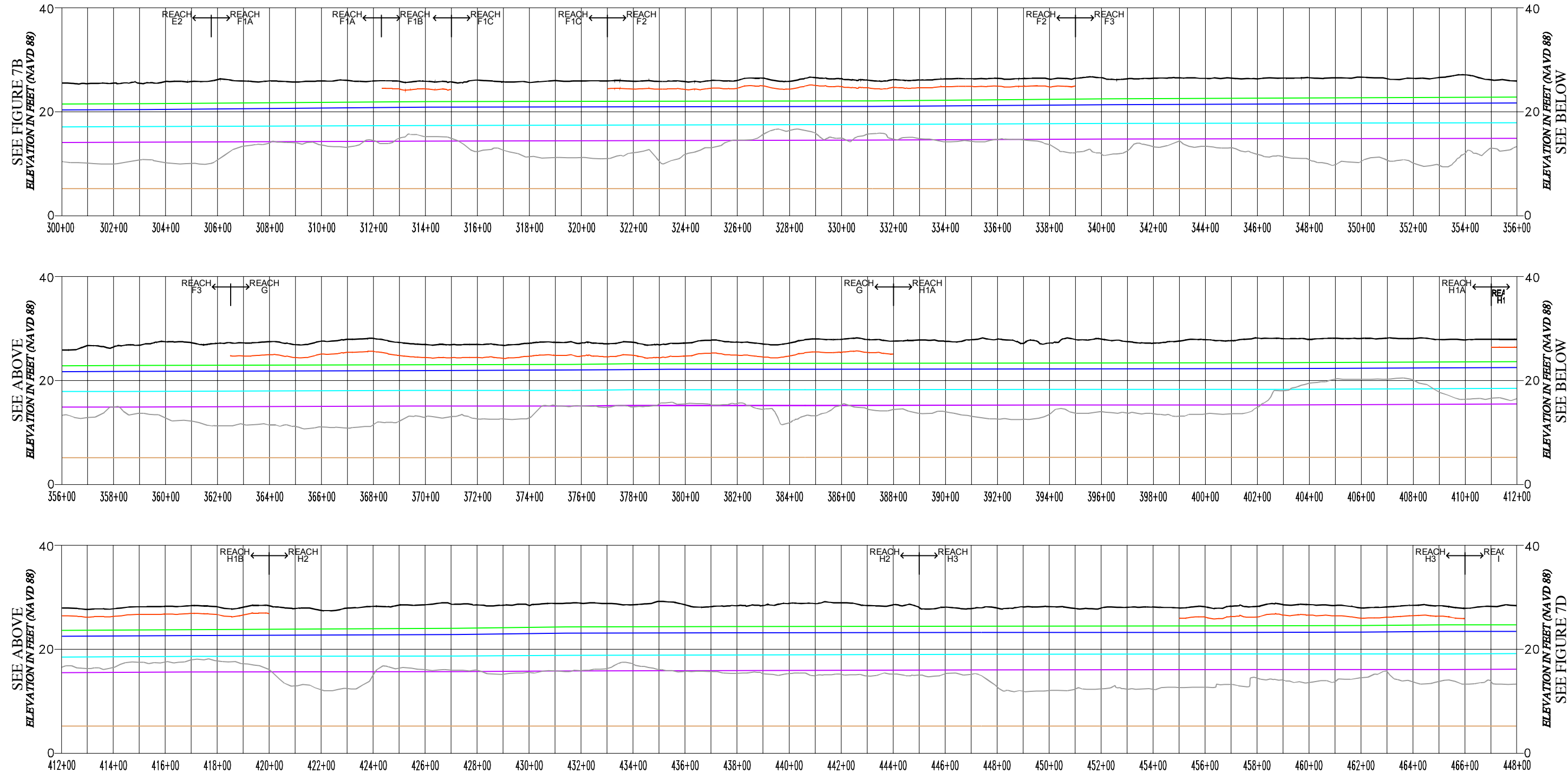


WATER SURFACE PROFILES
ULDC EVALUATION - RECLAMATION DISTRICT NO. 17
SAN JOAQUIN COUNTY, CALIFORNIA

| | |
|----------------------------------|-----------|
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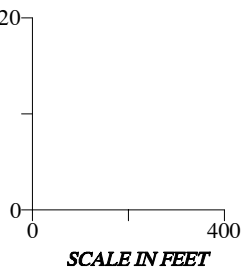
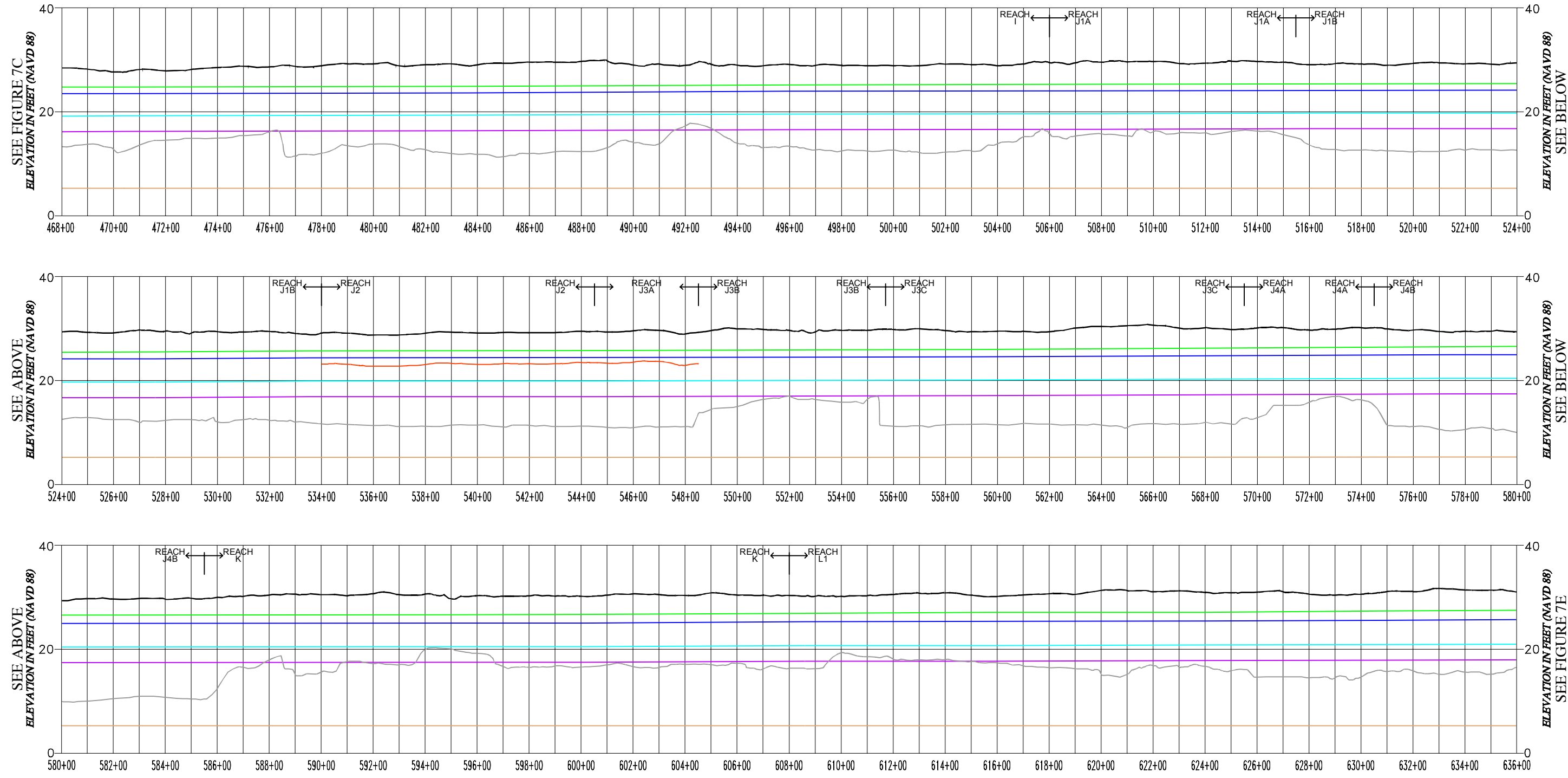


EXPLANATION
ALL LOCATIONS ARE APPROXIMATE

| | |
|---|----------------------|
| LEVEE CROWN | 10 YEAR WSE + 3 FEET |
| HTOL | 10 YEAR WSE |
| 200 YEAR DWSE | LANDSIDE TOE |
| ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT | SEISMIC WSE |

| | | | | |
|--|--|---------------|---------------------------|--|
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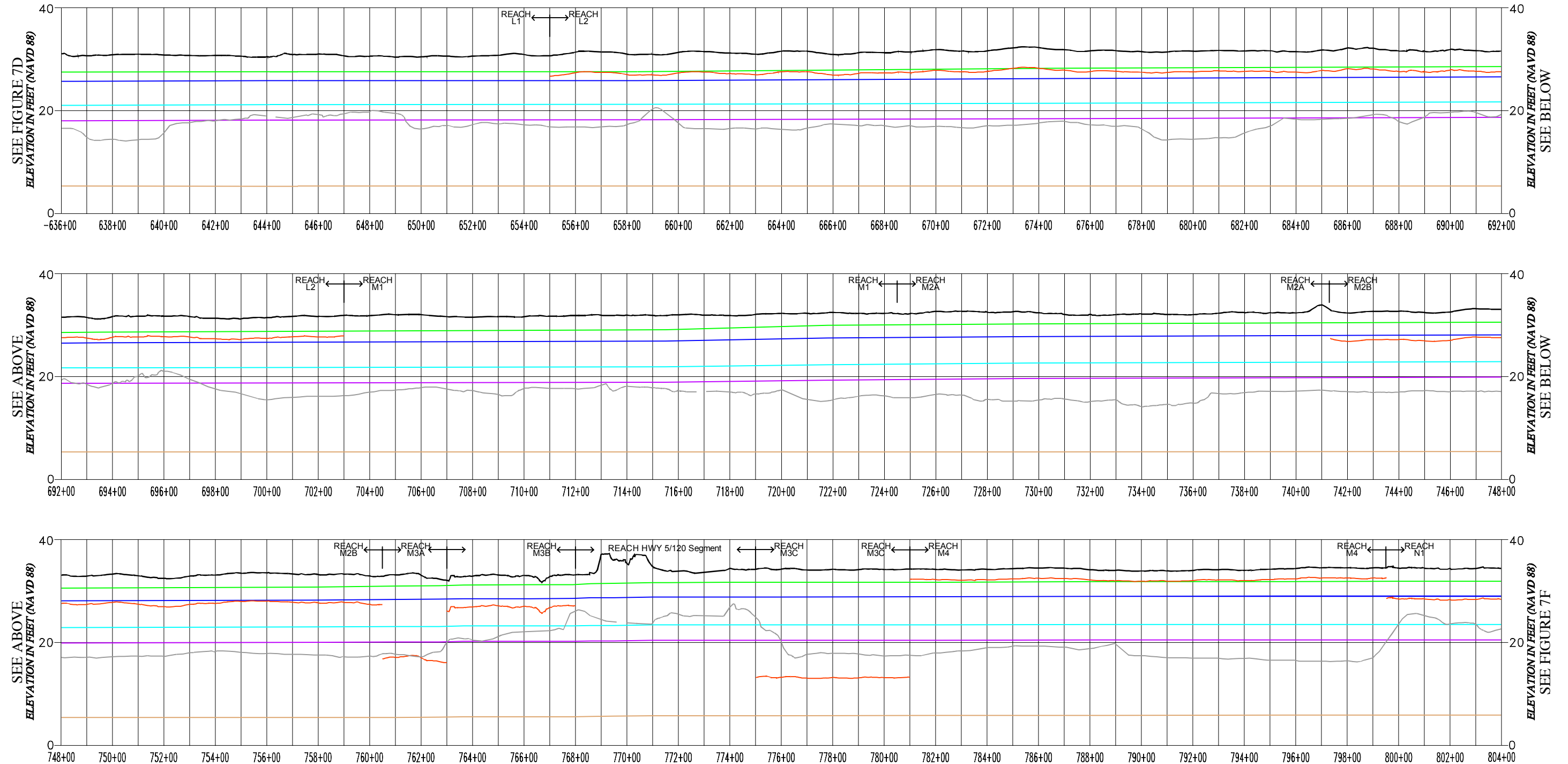


EXPLANATION
ALL LOCATIONS ARE APPROXIMATE

| | |
|---|----------------------|
| LEVEE CROWN | 10 YEAR WSE + 3 FEET |
| HTOL | 10 YEAR WSE |
| 200 YEAR DWSE | LANDSIDE TOE |
| ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT | SEISMIC WSE |

| | | | | |
|--|--|-----------------|---------------------------|-----------|
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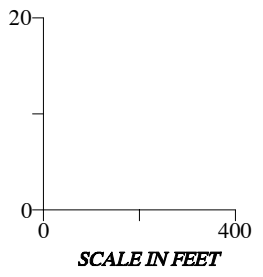
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EXPLANATION

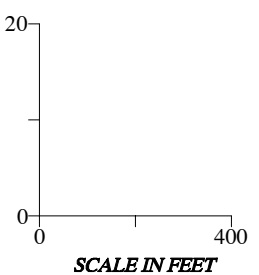
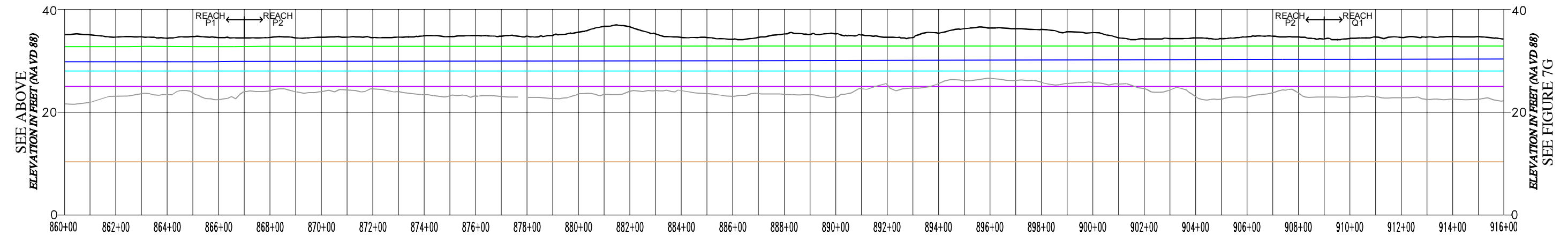
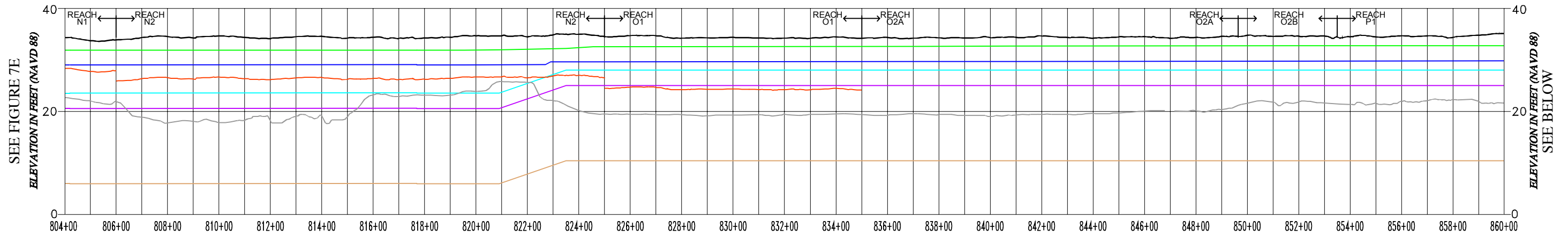
ALL LOCATIONS ARE APPROXIMATE

- LEVEE CROWN
- HTOL
- 200 YEAR DWSE
- ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT
- 10 YEAR WSE + 3 FEET
- 10 YEAR WSE
- LANDSIDE TOE
- SEISMIC WSE



| | | | | |
|--|--|--|--|-------------------------|
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EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- LEVEE CROWN
- HTOL
- 200 YEAR DWSE
- ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT
- 10 YEAR WSE + 3 FEET
- 10 YEAR WSE
- LANDSIDE TOE
- SEISMIC WSE

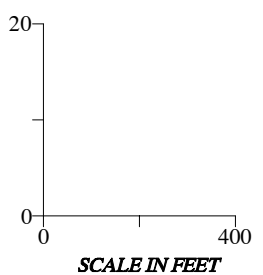
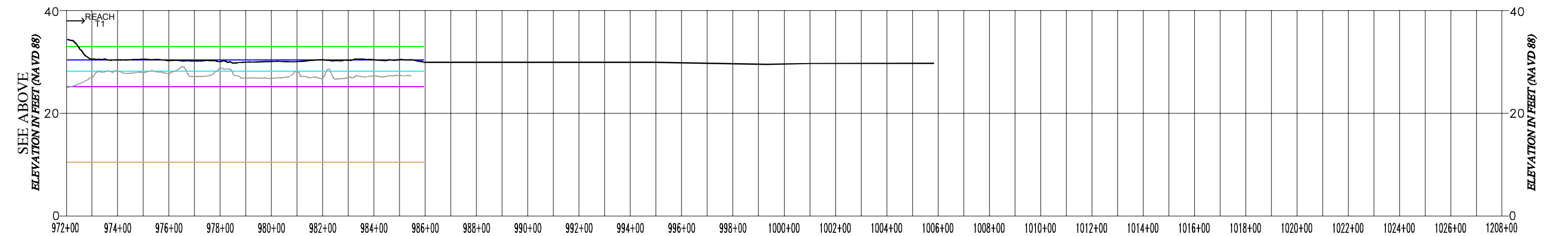
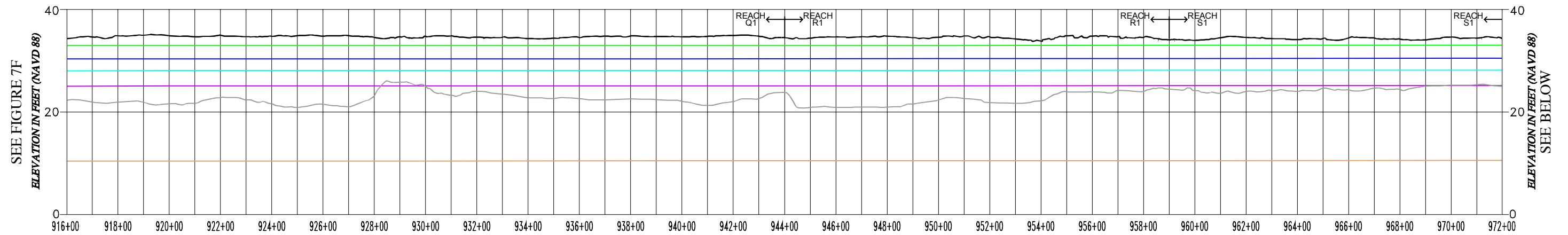


WATER SURFACE PROFILES
 ULDC EVALUATION - RECLAMATION DISTRICT NO. 17
 SAN JOAQUIN COUNTY, CALIFORNIA

| | |
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FIGURE NO.
7F

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EXPLANATION
ALL LOCATIONS ARE APPROXIMATE

| | |
|---|------------------------|
| — LEVEE CROWN | — 10 YEAR WSE + 3 FEET |
| — HTOL | — 10 YEAR WSE |
| — 200 YEAR DWSE | — LANDSIDE TOE |
| — ESTIMATED VERTICAL DISPLACEMENT FROM 200 YEAR SEISMIC EVENT | — SEISMIC WSE |

| | | | | |
|--|--|-----------------|---------------------------|--|
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