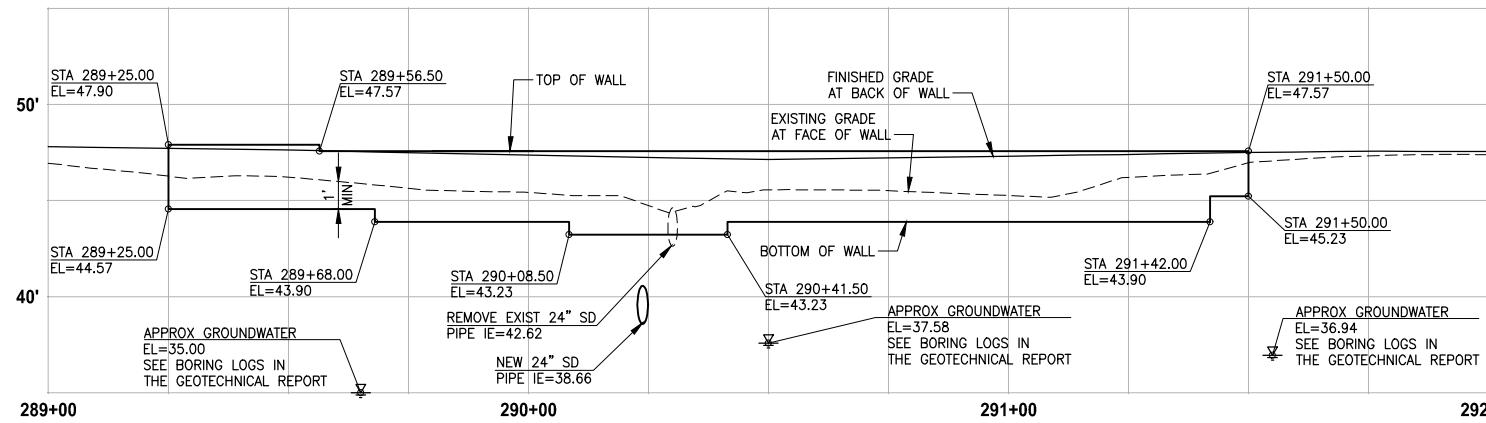
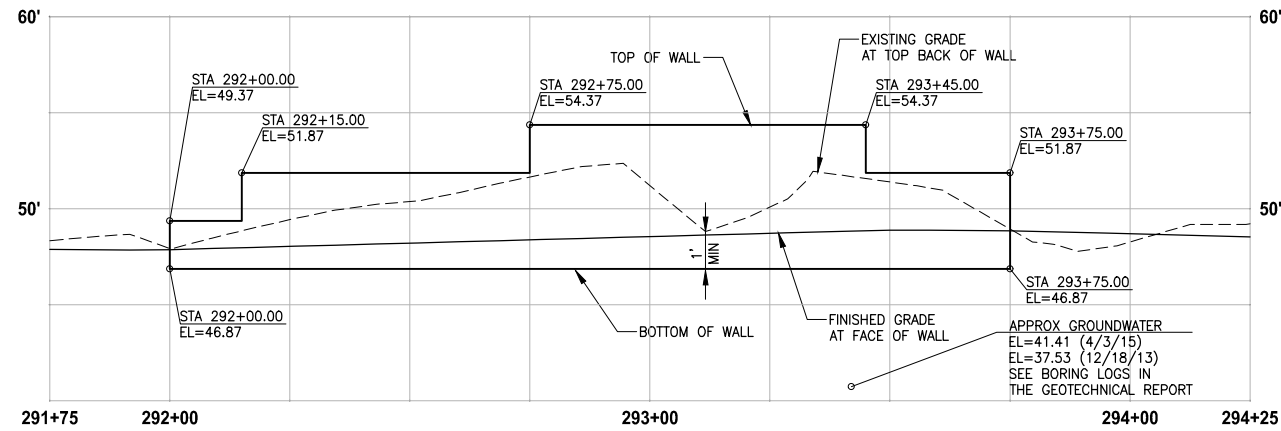


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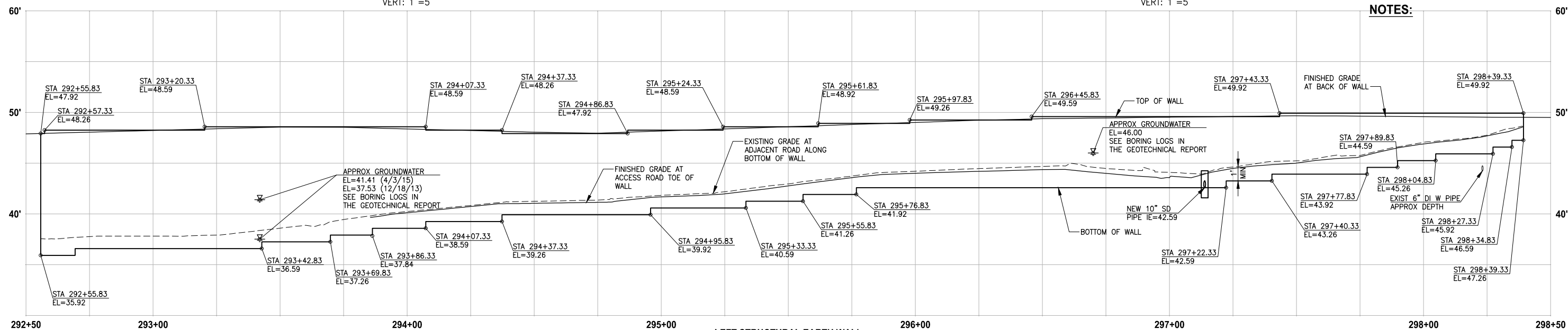
LEFT STRUCTURAL EARTH WALL  
WALL #1 (FILL) B-LINE

HORIZ: 1"=20'  
VERT: 1"=5'



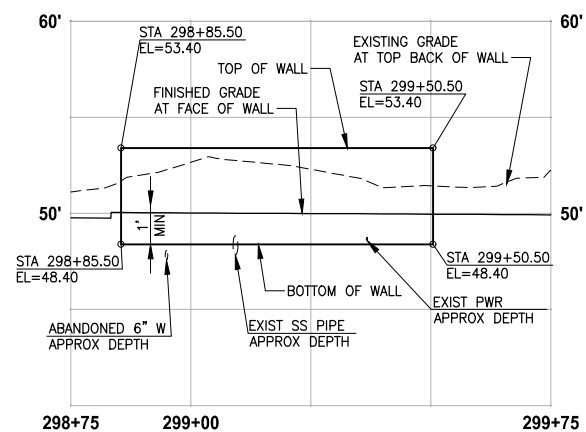
RIGHT GRAVITY BLOCK WALL  
WALL #2 (CUT) B-LINE

HORIZ: 1"=20'  
VERT: 1"=5'



LEFT STRUCTURAL EARTH WALL  
WALL #3B (FILL) B-LINE

HORIZ: 1"=20'  
VERT: 1"=5'

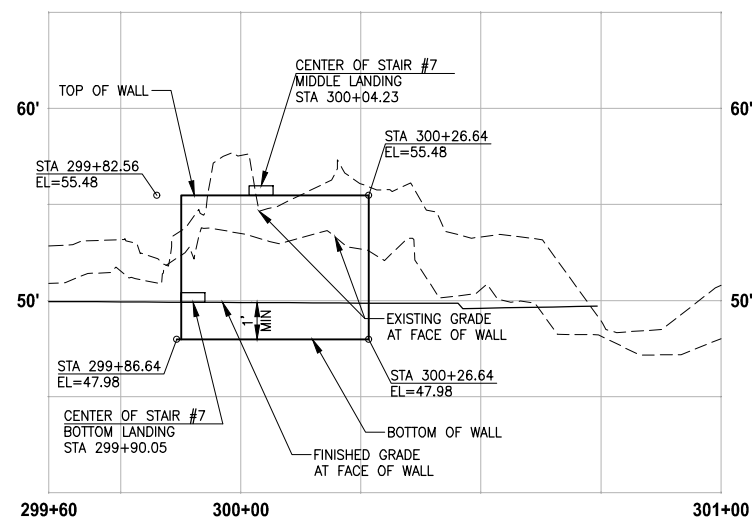


RIGHT GRAVITY BLOCK WALL  
WALL #3C (CUT) B-LINE

HORIZ: 1"=20'  
VERT: 1"=5'

#### NOTES:

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RIGHT REDIROCK WALL  
WALL #3D (CUT) B-LINE

HORIZ: 1"=20'  
VERT: 1"=5'

| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

|                                                      |
|------------------------------------------------------|
| ONE INCH AT FULL SCALE.<br>IF NOT, SCALE ACCORDINGLY |
| FILE NAME<br>BL1521075P19T03WP-01                    |
| JOB No.<br>554-1521-075 P19 T03                      |
| DATE<br>AUGUST 2019                                  |



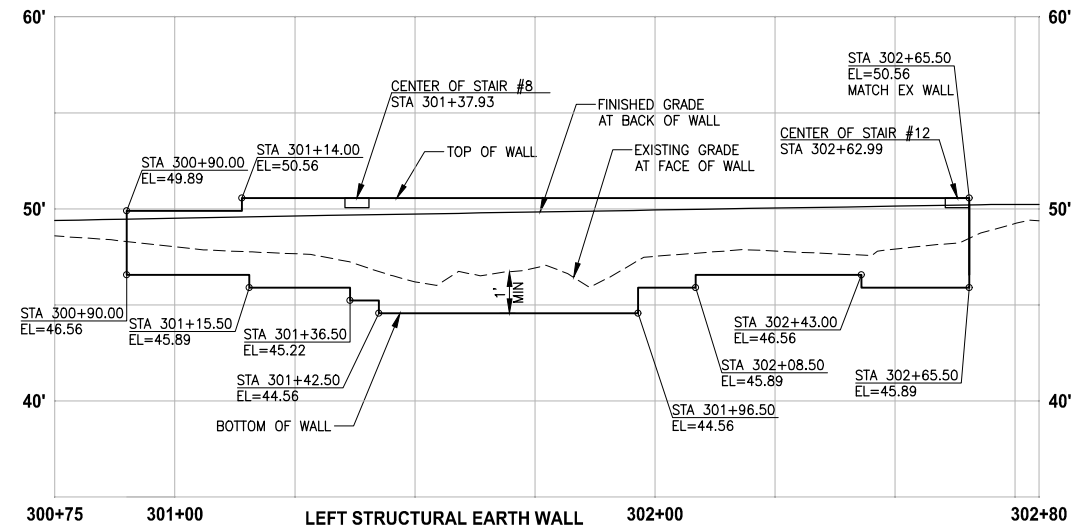
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PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**WALL PROFILES**

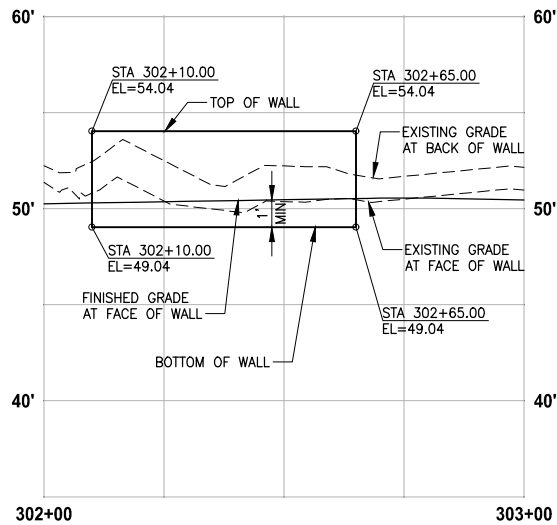
SHEET NO.  
194 OF 276  
**WP1**

PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgahan DATE: Friday, August 2, 2019 5:25:32 PM LAYOUT: WP2



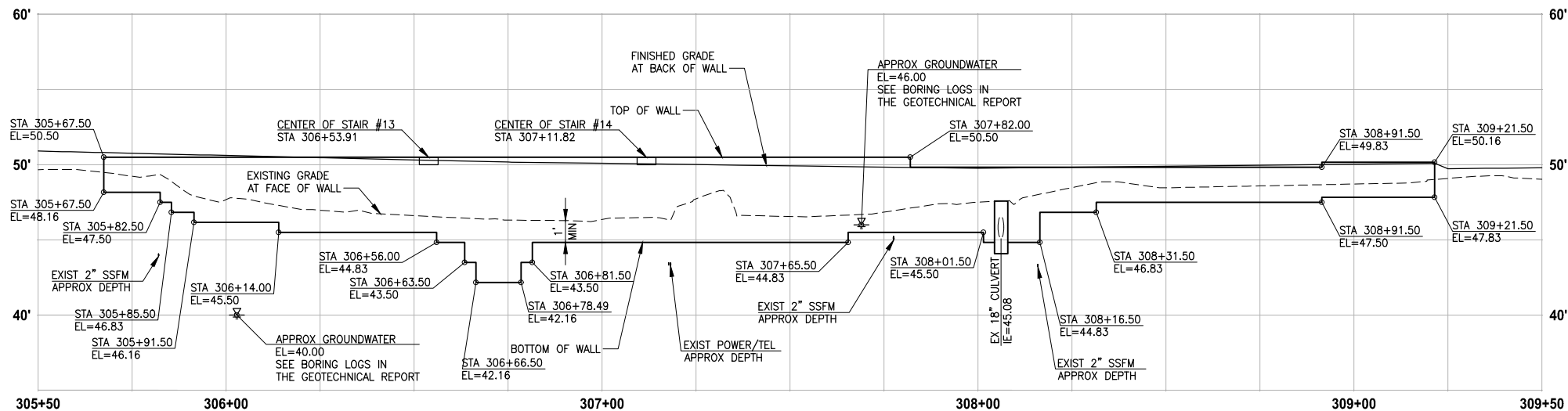
**LEFT STRUCTURAL EARTH WALL  
WALL #4 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



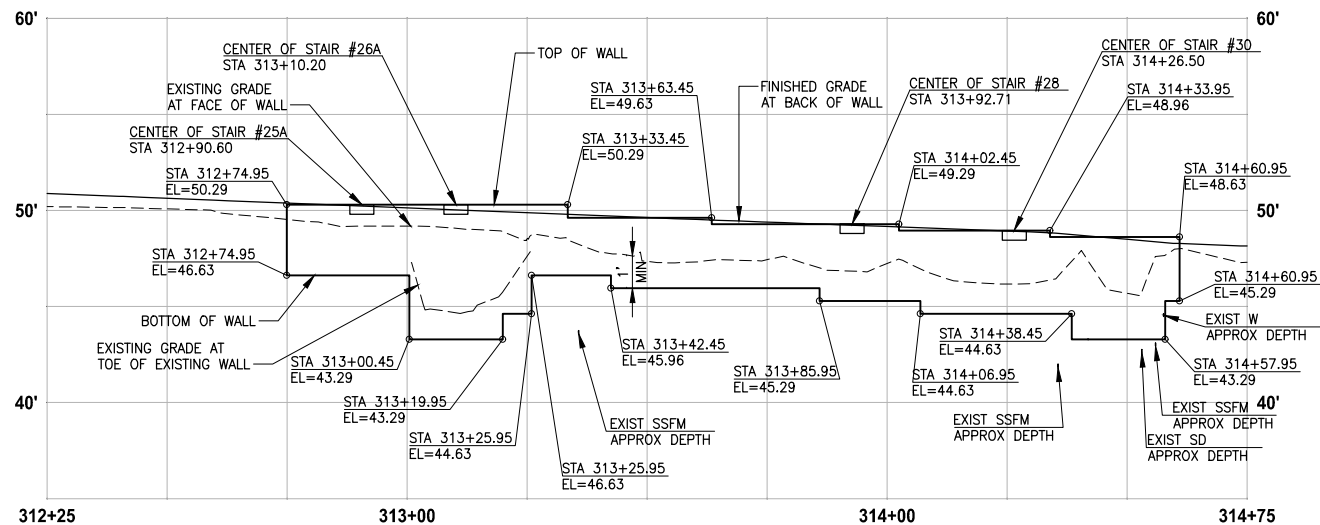
**RIGHT GRAVITY BLOCK WALL  
WALL #4A (CUT) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #5 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #8 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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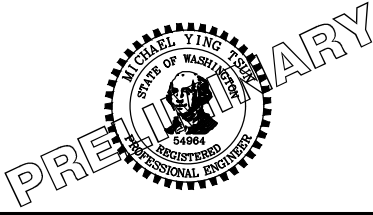
| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
BL1521075P19T03WP-01

JOB No.  
554-1521-075 P19 T03

DATE  
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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**

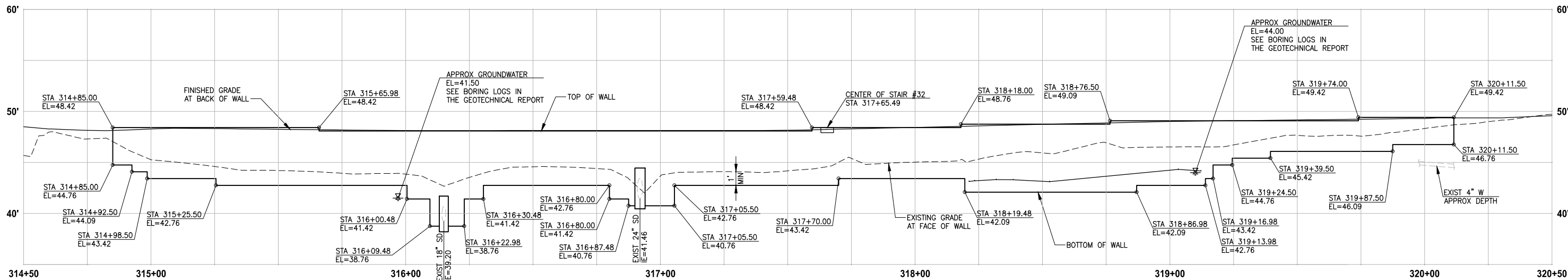
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
195 OF 276

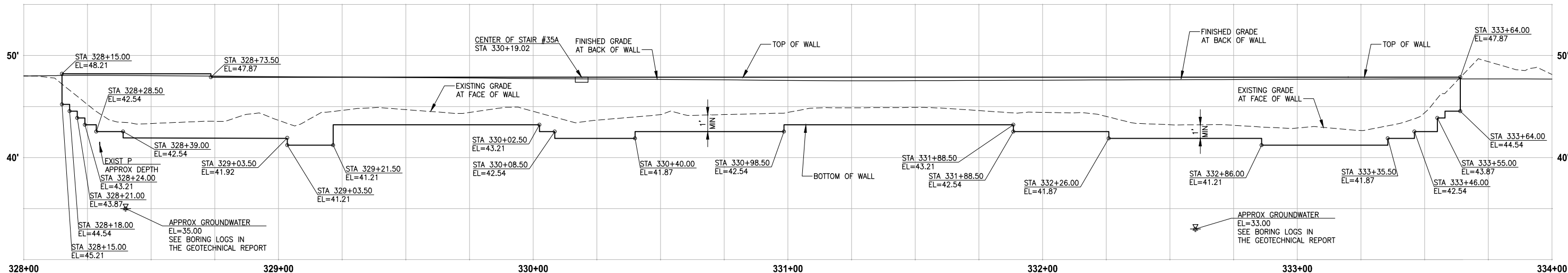
**WP2**

PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgahan DATE: Friday, August 2, 2019 5:26:04 PM LAYOUT: WP3



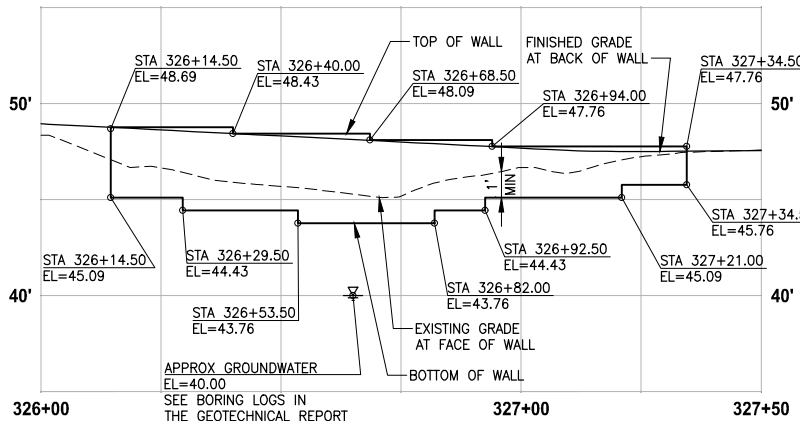
**LEFT STRUCTURAL EARTH WALL  
WALL #9 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



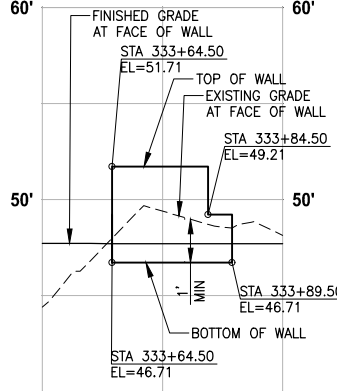
**RIGHT STRUCTURAL EARTH WALL  
WALL #11 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



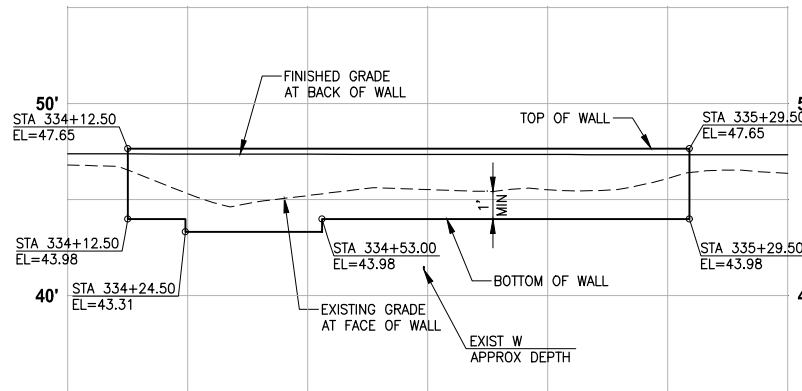
**LEFT STRUCTURAL EARTH WALL  
WALL #10 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



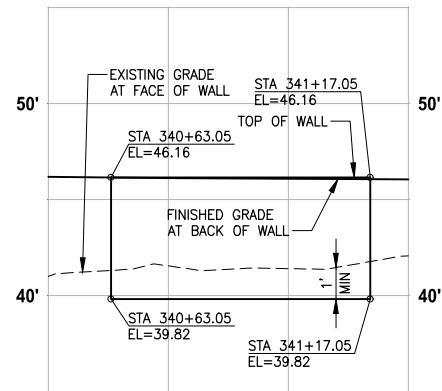
**RIGHT GRAVITY BLOCK WALL  
WALL #11A (CUT) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #12A (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #12B (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

NOTE:  
SEE SHEET AL13 FOR WALLS  
#12C AND #12D ELEVATIONS.

**NOTES:**

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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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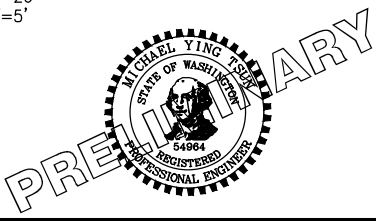
| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

**ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY**

FILE NAME  
BL1521075P19T03WP-01

JOB No.  
554-1521-075 P19 T03

DATE  
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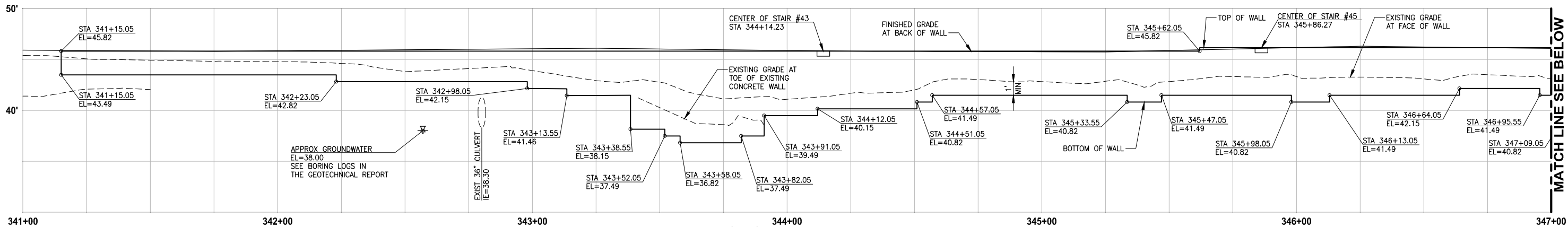
PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
196 OF 276

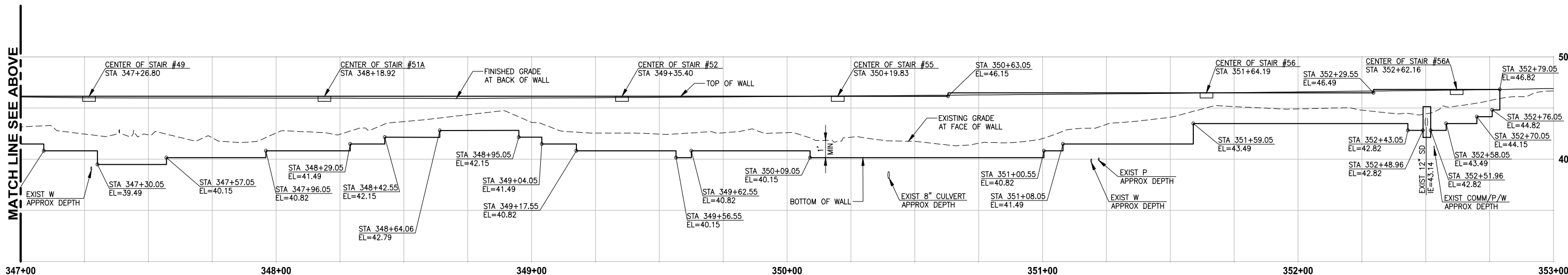
**WP3**

PATH: U:\PSO\Projects\Clients\1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgahan DATE: Friday, August 2, 2019 5:26:23 PM LAYOUT: WP4



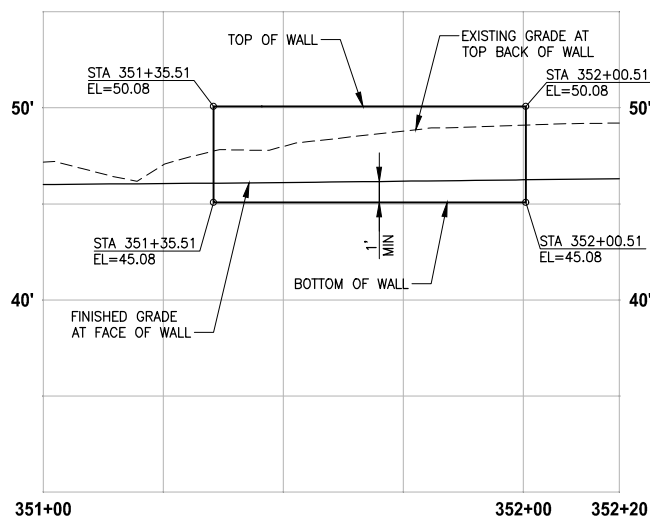
**LEFT STRUCTURAL EARTH WALL  
WALL #13 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



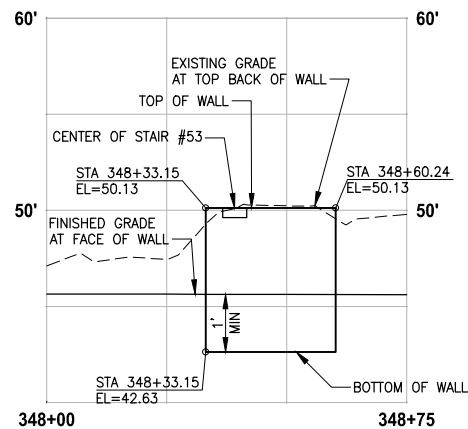
**LEFT STRUCTURAL EARTH WALL  
WALL #13 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



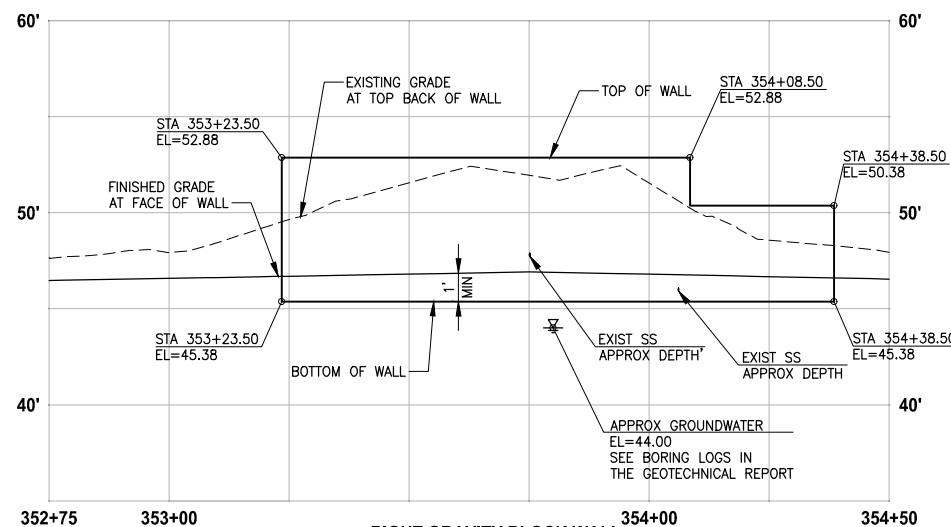
**RIGHT GRAVITY BLOCK WALL  
WALL #13A (CUT) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**RIGHT GRAVITY BLOCK WALL  
WALL #13B (CUT) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**RIGHT GRAVITY BLOCK WALL  
WALL #14 (CUT) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

**NOTES:**

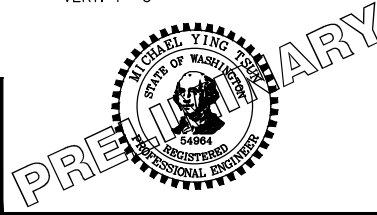
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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

|                                                      |
|------------------------------------------------------|
| ONE INCH AT FULL SCALE.<br>IF NOT, SCALE ACCORDINGLY |
| FILE NAME<br>BL1521075P19T03WP-01                    |
| JOB No.<br>554-1521-075 P19 T03                      |
| DATE<br>AUGUST 2019                                  |



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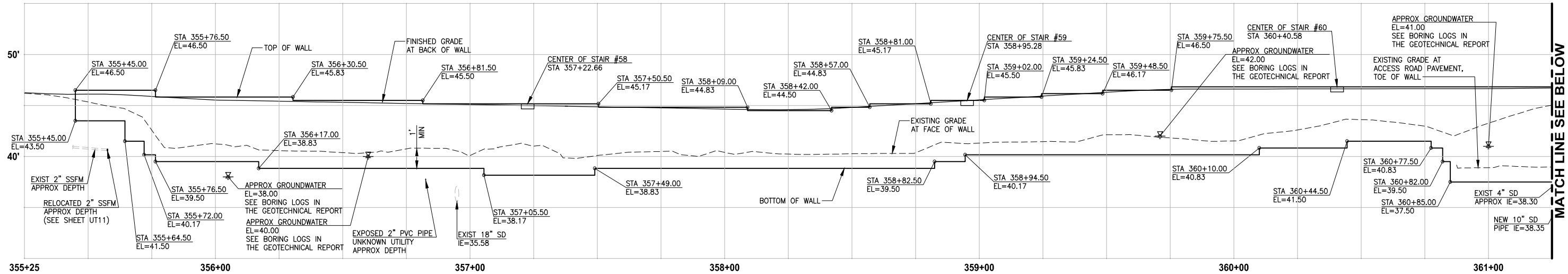
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PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**WALL PROFILES**

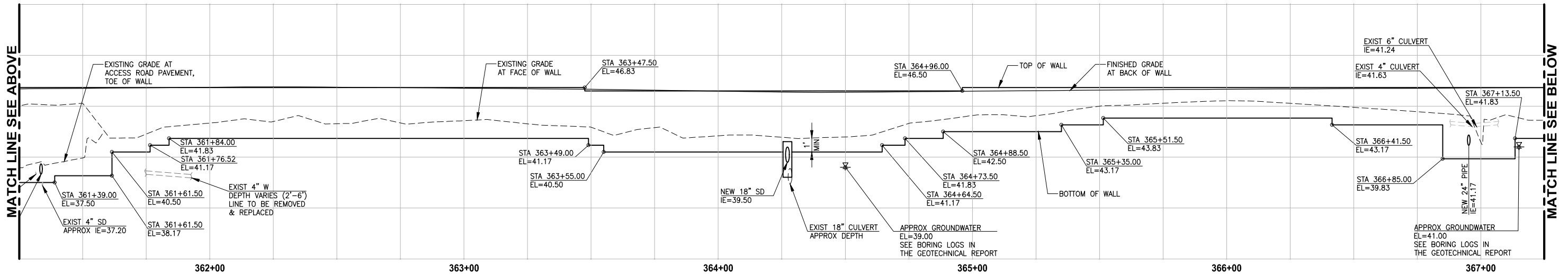
SHEET NO.  
197 OF 276  
**WP4**

PATH: U:\PSO\Projects\Clients\1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgaban DATE: Friday, August 2, 2019 5:26:40 PM LAYOUT: WP5



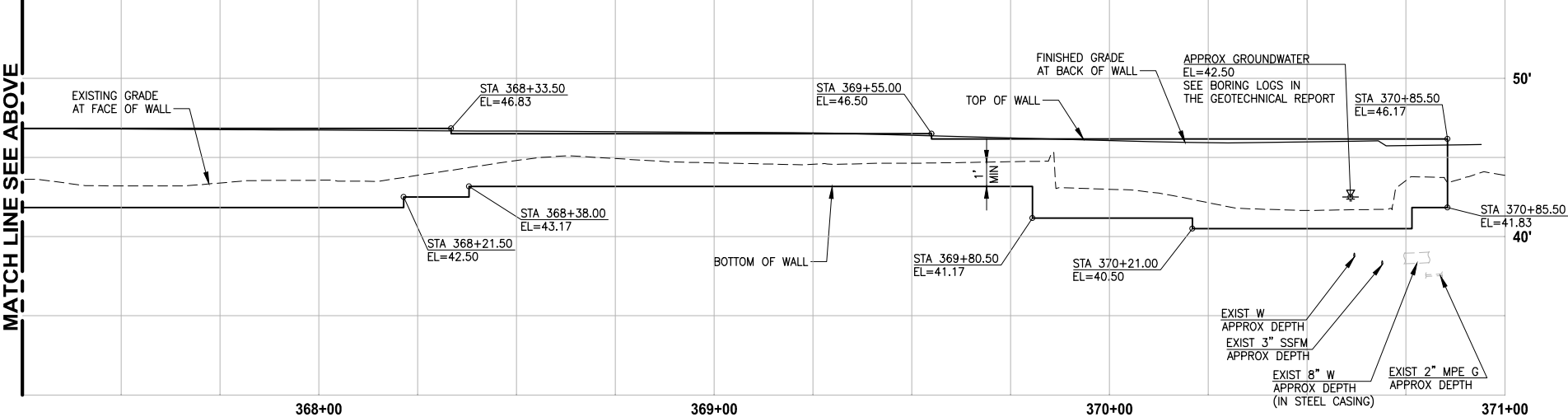
**LEFT STRUCTURAL EARTH WALL  
WALL #15 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #15 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #15 (FILL) B-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
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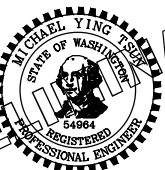
| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**

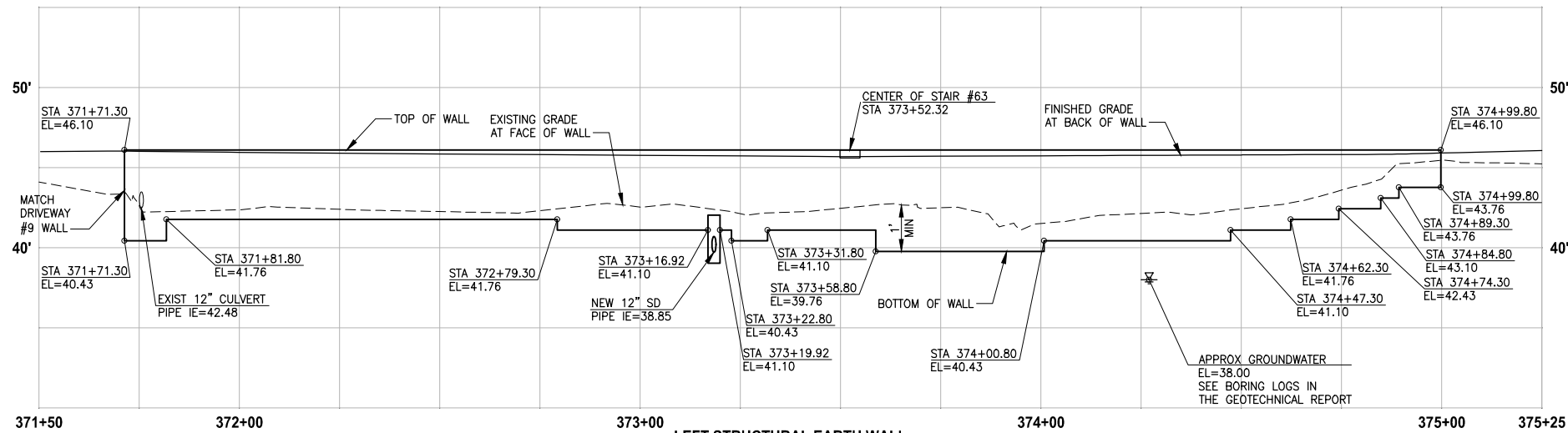
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
198 OF 276

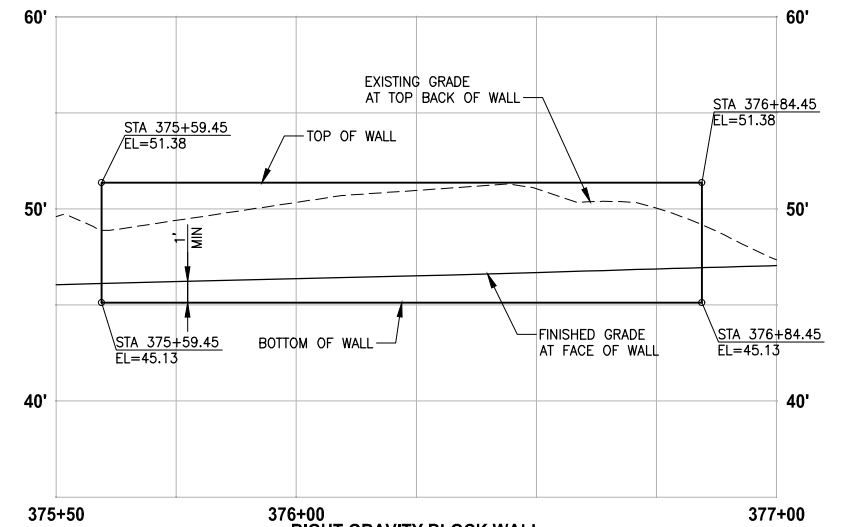
**WP5**

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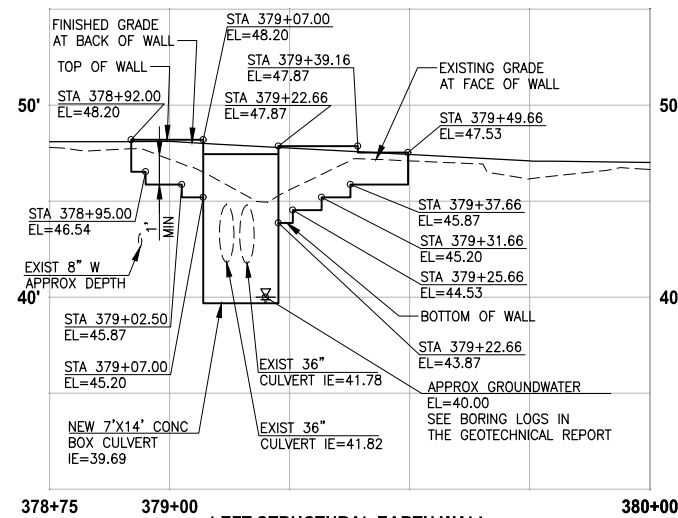
**LEFT STRUCTURAL EARTH WALL  
WALL #16 (FILL) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



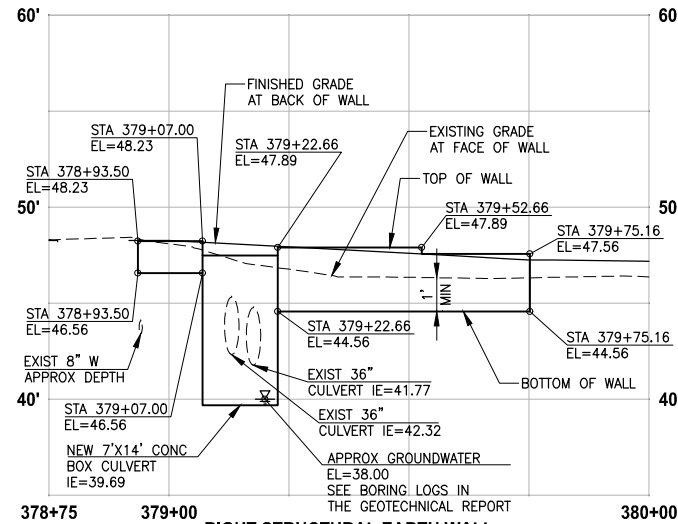
**RIGHT GRAVITY BLOCK WALL  
WALL #17 (CUT) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



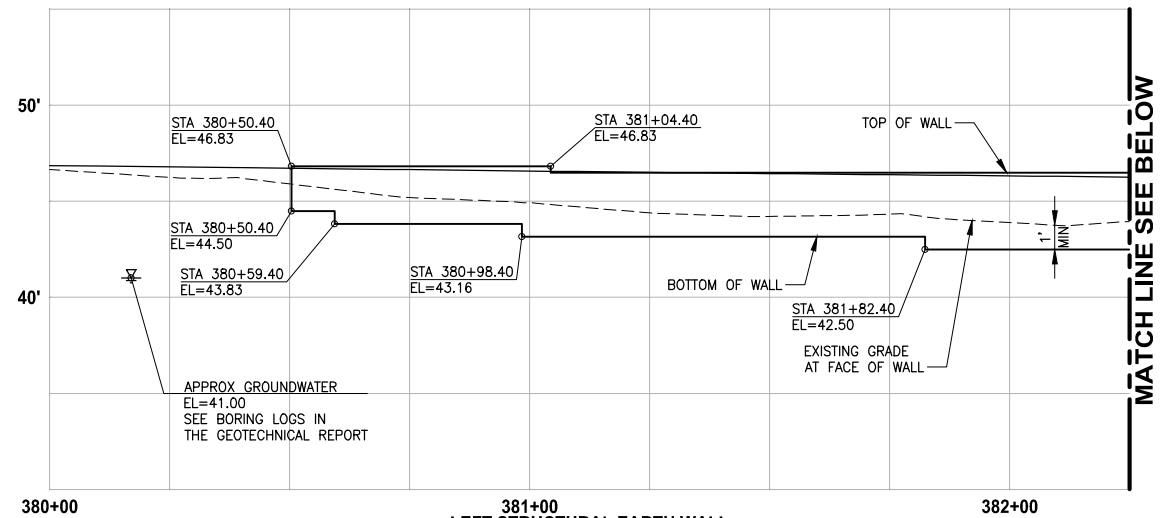
**LEFT STRUCTURAL EARTH WALL  
WALL #18 (FILL) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



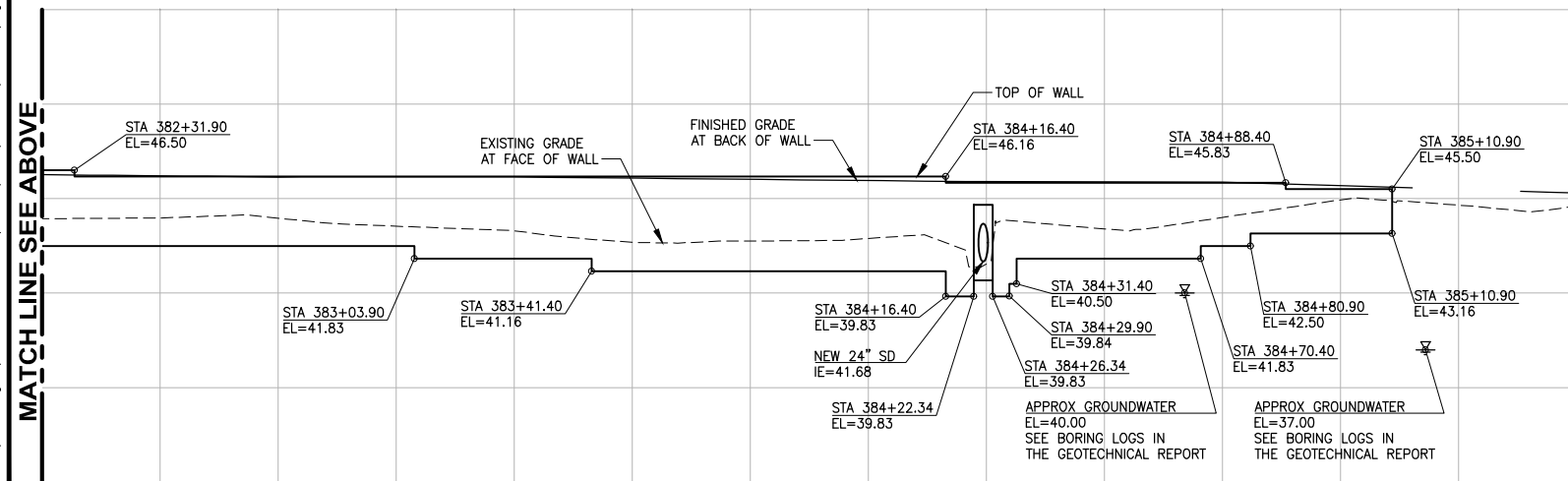
**RIGHT STRUCTURAL EARTH WALL  
WALL #19 (FILL) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



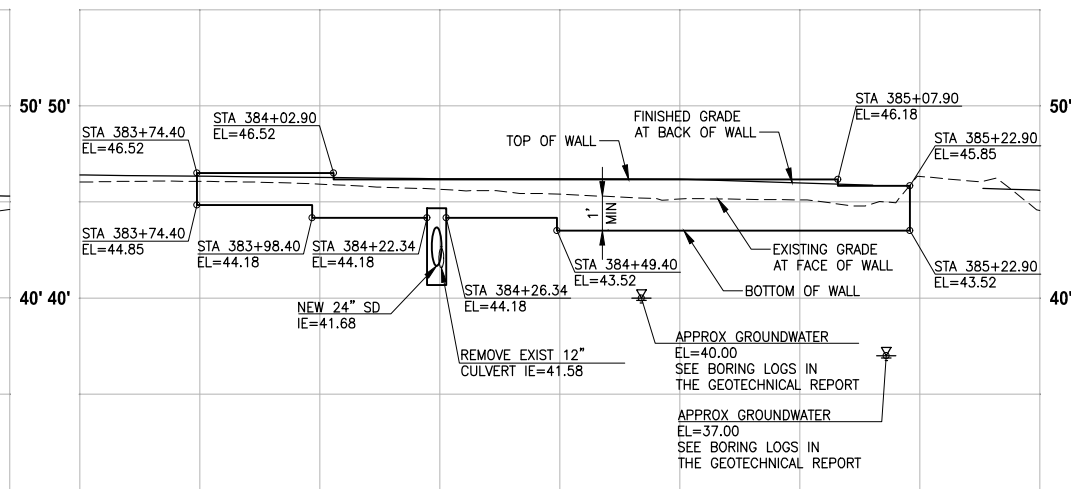
**LEFT STRUCTURAL EARTH WALL  
WALL #20 (FILL) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #20 (FILL) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**RIGHT STRUCTURAL EARTH WALL  
WALL #21 (FILL) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

**NOTES:**

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- SEE DETAIL OF CONCRETE HEADWALL FOR STORM PIPE/CULVERTS THROUGH STRUCTURAL EARTH WALL ON SHEET DD1.
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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

**95 % REVIEW SUBMITTAL  
NOT FOR CONSTRUCTION**

| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

| ONE INCH AT FULL SCALE.<br>IF NOT, SCALE ACCORDINGLY |
|------------------------------------------------------|
| FILE NAME                                            |
| BL1521075P19T03WP-01                                 |
| JOB No.                                              |
| 554-1521-075 P19 T03                                 |
| DATE                                                 |
| AUGUST 2019                                          |



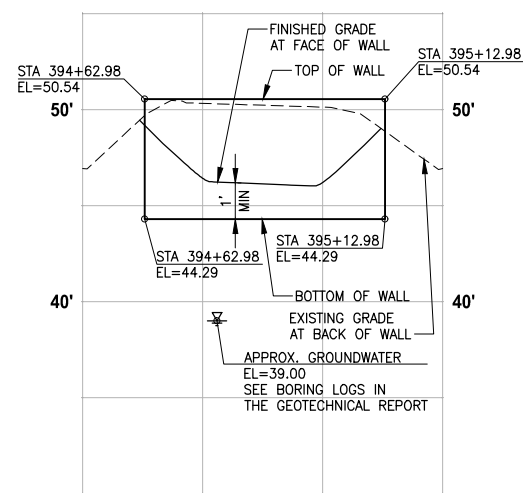
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PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**WALL PROFILES**

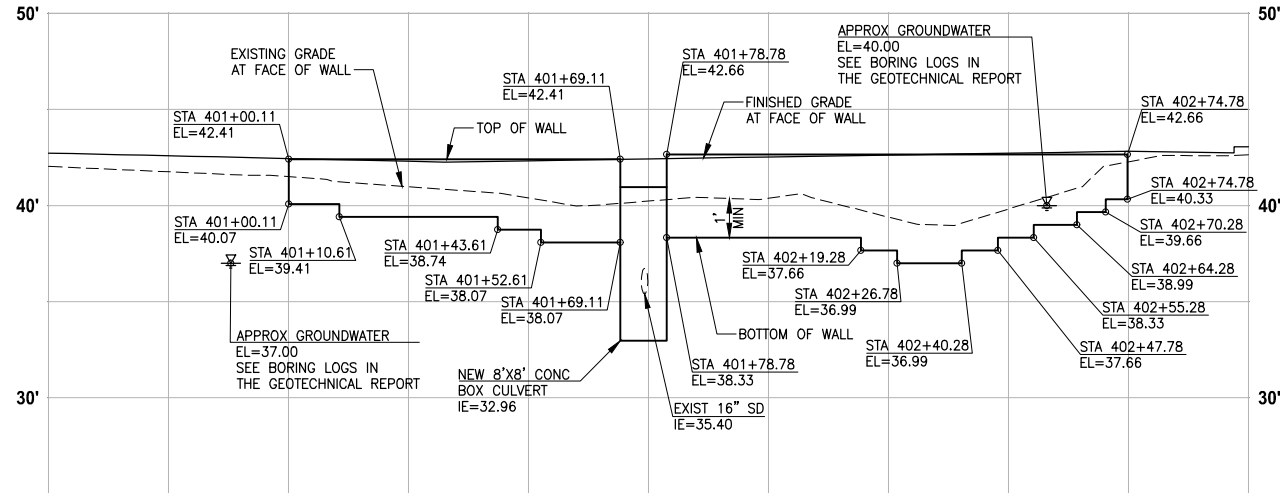
SHEET NO.  
199 OF 276  
**WP6**

PATH: U:\PSO\Projects\Clients\1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgahan DATE: Friday, August 2, 2019 5:27:37 PM LAYOUT: WP7



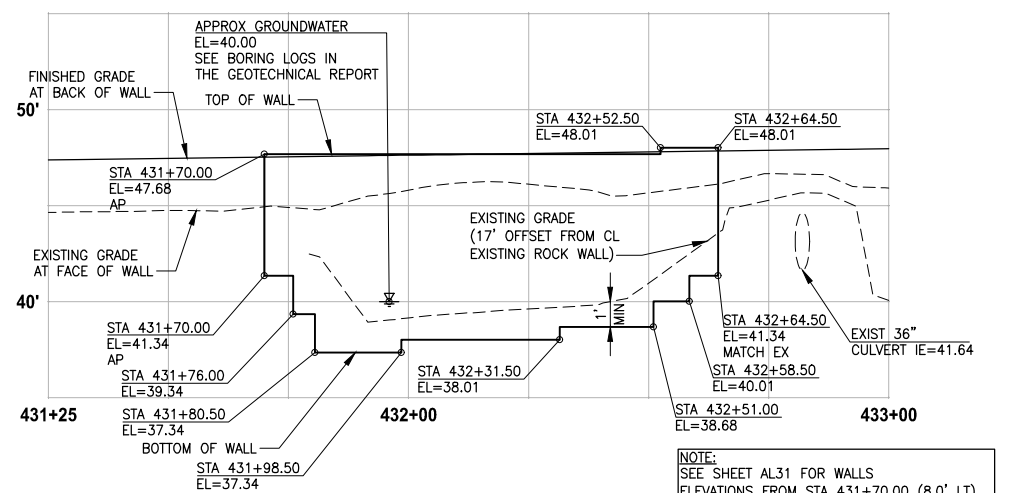
**RIGHT GRAVITY BLOCK WALL  
WALL #21A (CUT) C-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**RIGHT STRUCTURAL EARTH WALL  
WALL #22 (FILL) C-LINE**

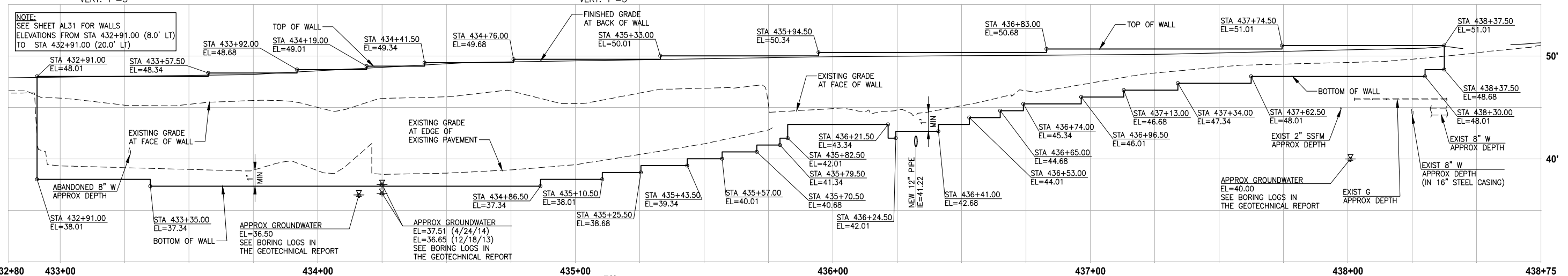
HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #29 (FILL) D-LINE**

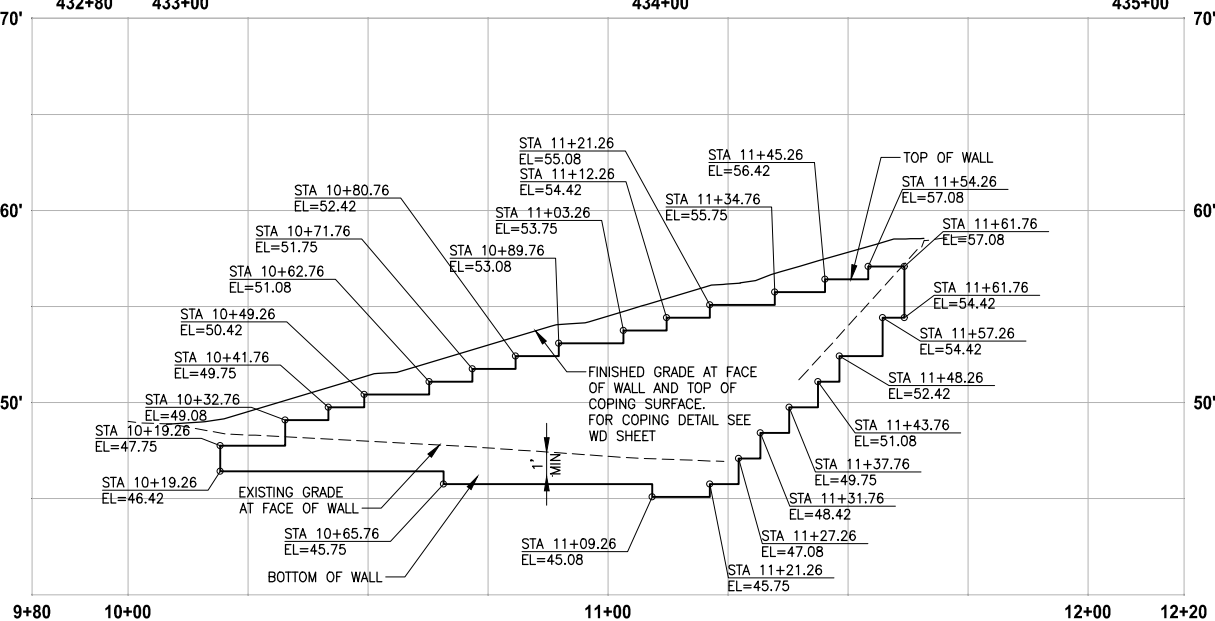
HORIZ: 1"=20'  
VERT: 1"=5'

NOTE:  
SEE SHEET AL31 FOR WALLS  
ELEVATIONS FROM STA 431+70.00 (8.0' LT)  
TO STA 431+70.00 (23.3' LT) AND  
STA 432+64.50 (8.0' LT) TO STA 432+64.50  
(18.5' LT)



**LEFT STRUCTURAL EARTH WALL  
WALL #30 (FILL) D-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**RIGHT STRUCTURAL EARTH WALL  
WALL #31A (FILL) D2-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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|           |      |    | M. TSUN     |
|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

ONE INCH AT FULL SCALE.  
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JOB No.  
554-1521-075 P19 T03

DATE  
AUGUST 2019



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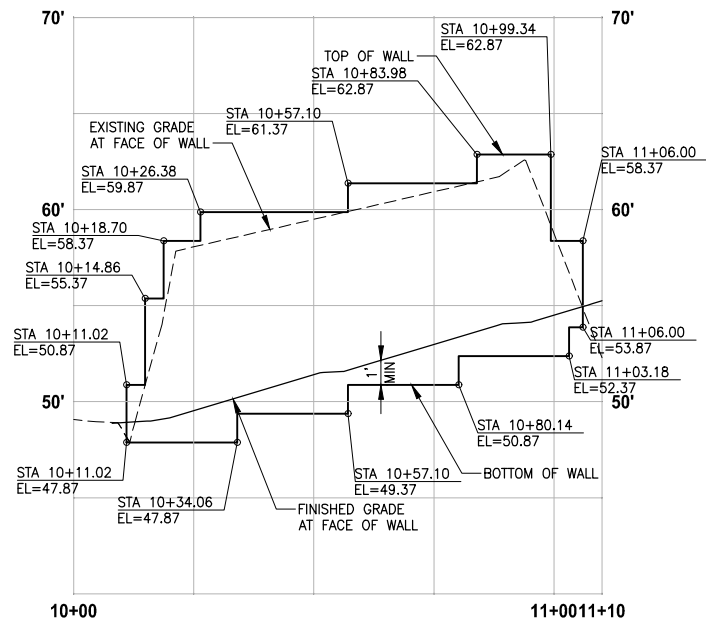
PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
200 OF 276

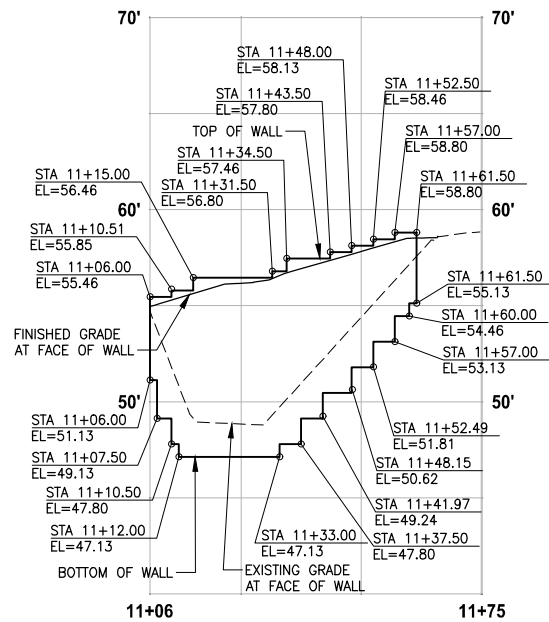
**WP7**

PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\99Sect\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgaban DATE: Monday, August 5, 2019 9:41:34 AM LAYOUT: WP8



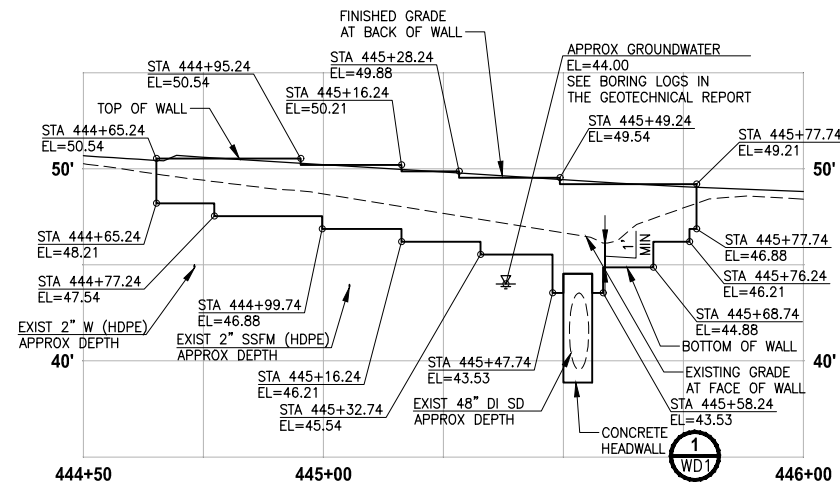
**LEFT REDIROCK WALL  
WALL #31B (CUT) D2-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



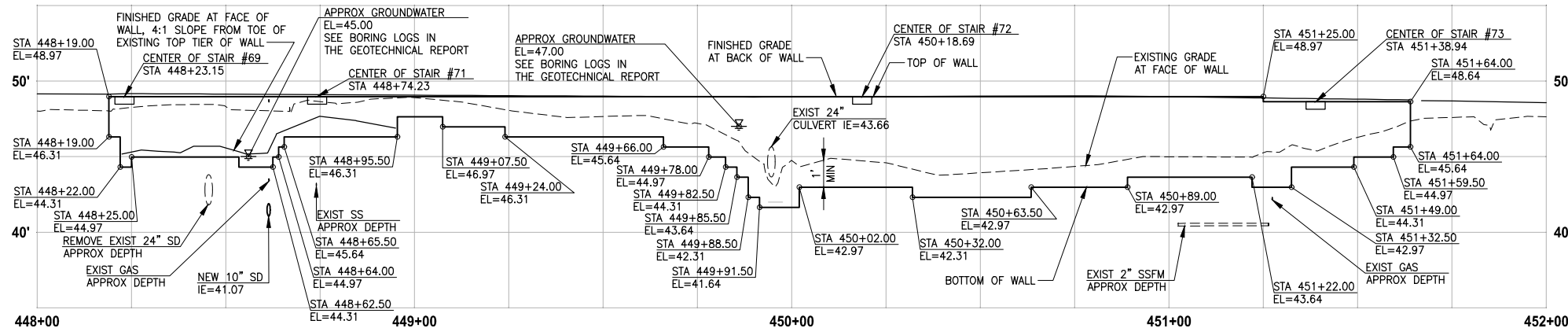
**LEFT STRUCTURAL EARTH WALL  
WALL #31C (FILL) D2-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



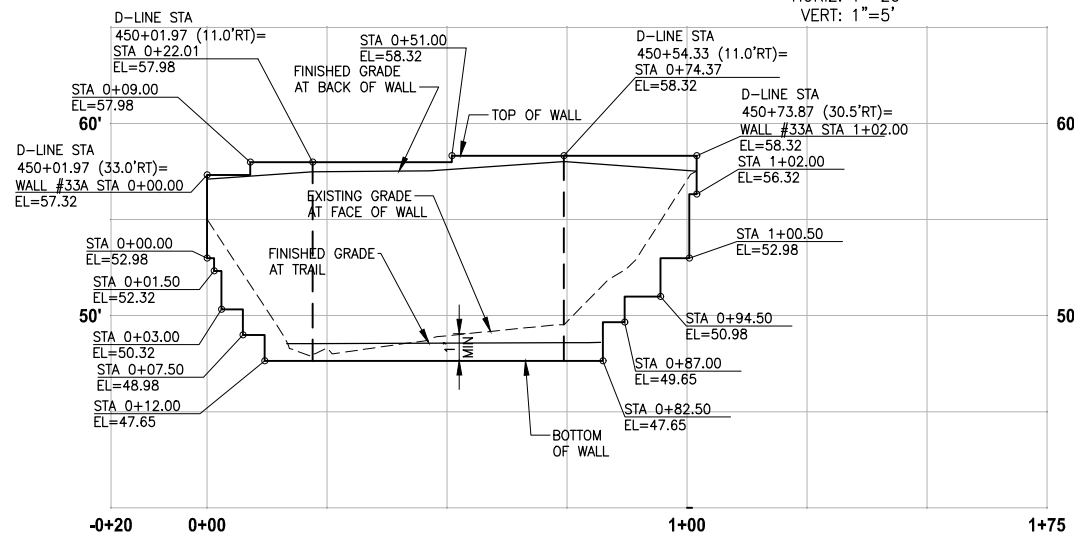
**LEFT STRUCTURAL EARTH WALL  
WALL #32 (FILL) D-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**LEFT STRUCTURAL EARTH WALL  
WALL #33 (FILL) D-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'



**RIGHT STRUCTURAL EARTH WALL  
WALL #33A (FILL) W-LINE**

HORIZ: 1"=20'  
VERT: 1"=5'

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| CITY OF SAMMAMISH APPROVAL |      |
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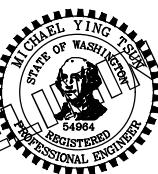
| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

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FILE NAME  
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JOB No.  
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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**

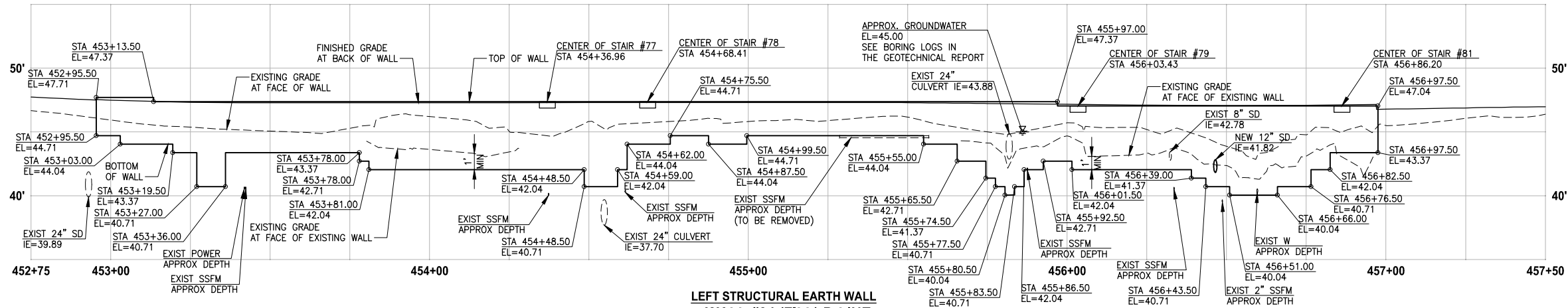
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
201 OF 276

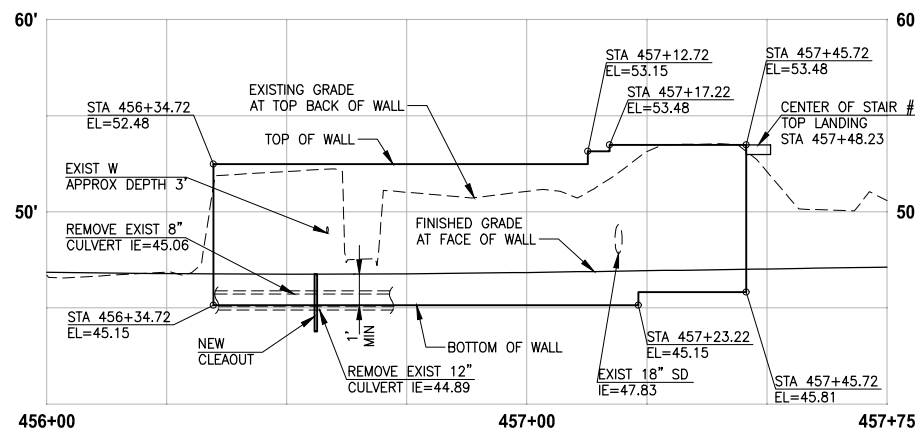
**WP8**

PATH: U:\PSO\Projects\Clients\1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgahan DATE: Friday, August 2, 2019 5:28:07 PM LAYOUT: WP9



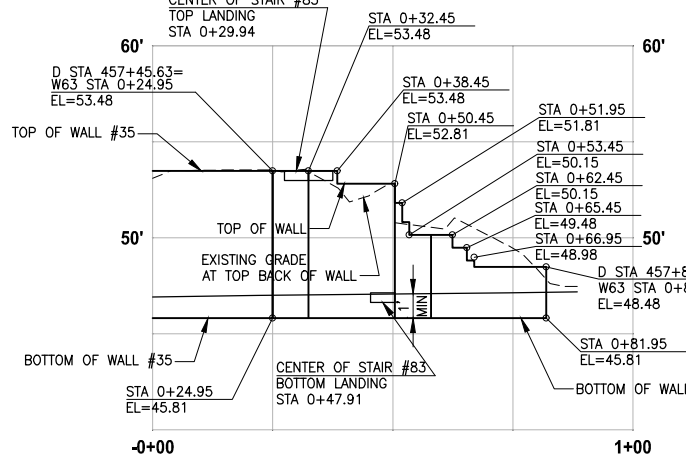
LEFT STRUCTURAL EARTH WALL  
WALL #34 (FILL) D-LINE

HORIZ: 1"=20'  
VERT: 1"=5'  
CENTER OF STAIR #83  
TOP LANDING  
STA 0+29.94



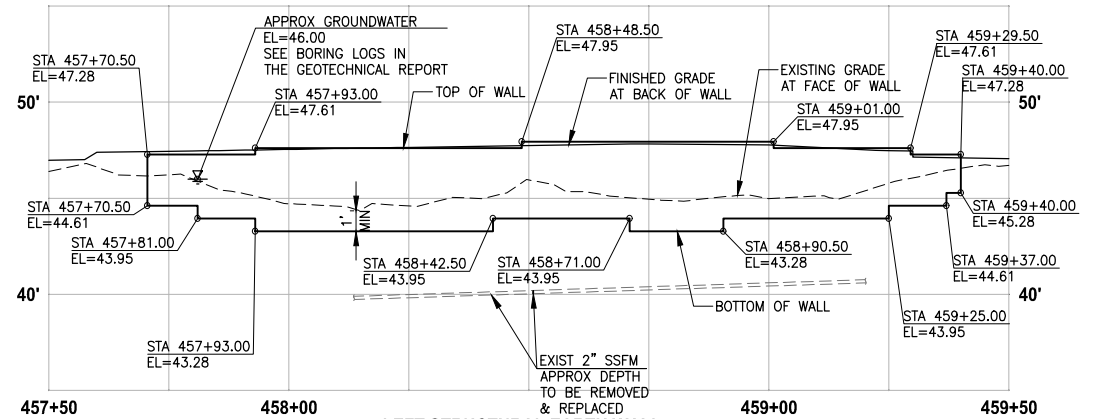
RIGHT STRUCTURAL EARTH WALL  
WALL #35 (CUT) D-LINE

HORIZ: 1"=20'  
VERT: 1"=5'



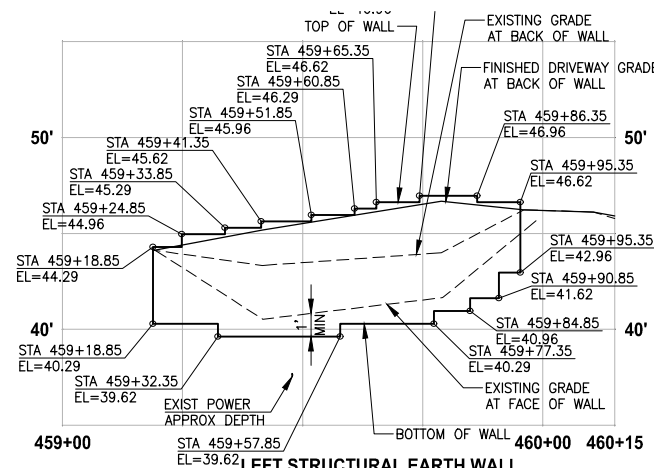
RIGHT STRUCTURAL EARTH WALL  
WALL #36 (CUT) D-LINE REFERENCE

HORIZ: 1"=20'  
VERT: 1"=5'



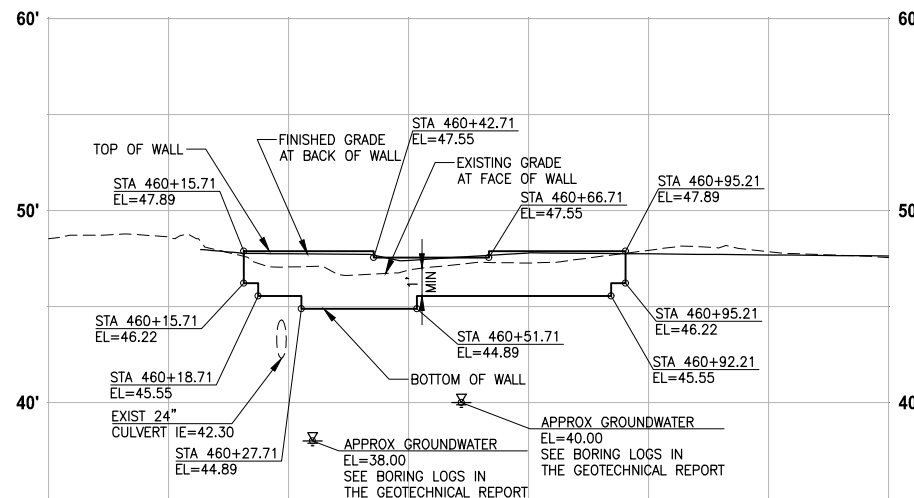
LEFT STRUCTURAL EARTH WALL  
WALL #37 (FILL) D-LINE

HORIZ: 1"=20'  
VERT: 1"=5'



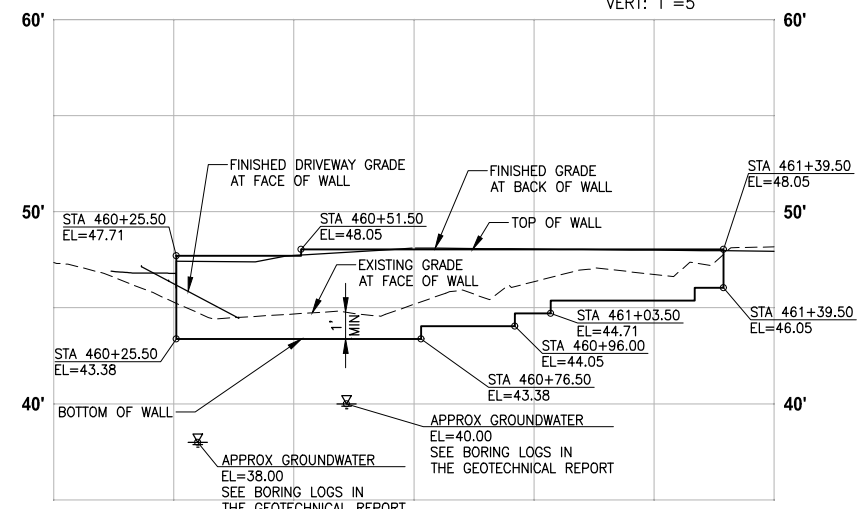
LEFT STRUCTURAL EARTH WALL  
WALL #38 (FILL) D-LINE

HORIZ: 1"=20'  
VERT: 1"=5'



RIGHT STRUCTURAL EARTH WALL  
WALL #39 (FILL) D-LINE

HORIZ: 1"=20'  
VERT: 1"=5'



LEFT STRUCTURAL EARTH WALL  
WALL #40 (FILL) D-LINE

HORIZ: 1"=20'  
VERT: 1"=5'

#### NOTES:

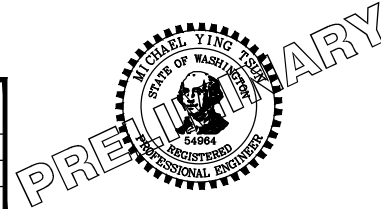
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| CITY OF SAMMAMISH APPROVAL |      |
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| City Engineer              | Date |
| Community Development      | Date |

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| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

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| FILE NAME                                            |
| BL1521075P19T03WP-01                                 |
| JOB No.                                              |
| 554-1521-075 P19 T03                                 |
| DATE                                                 |
| AUGUST 2019                                          |



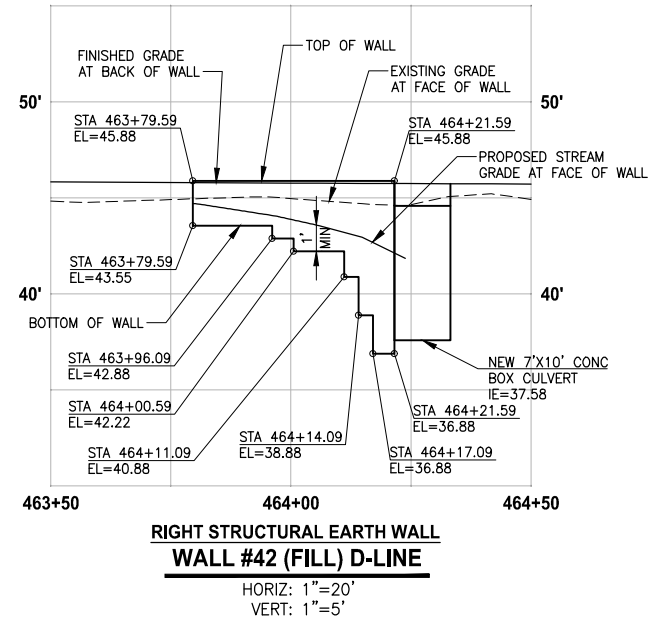
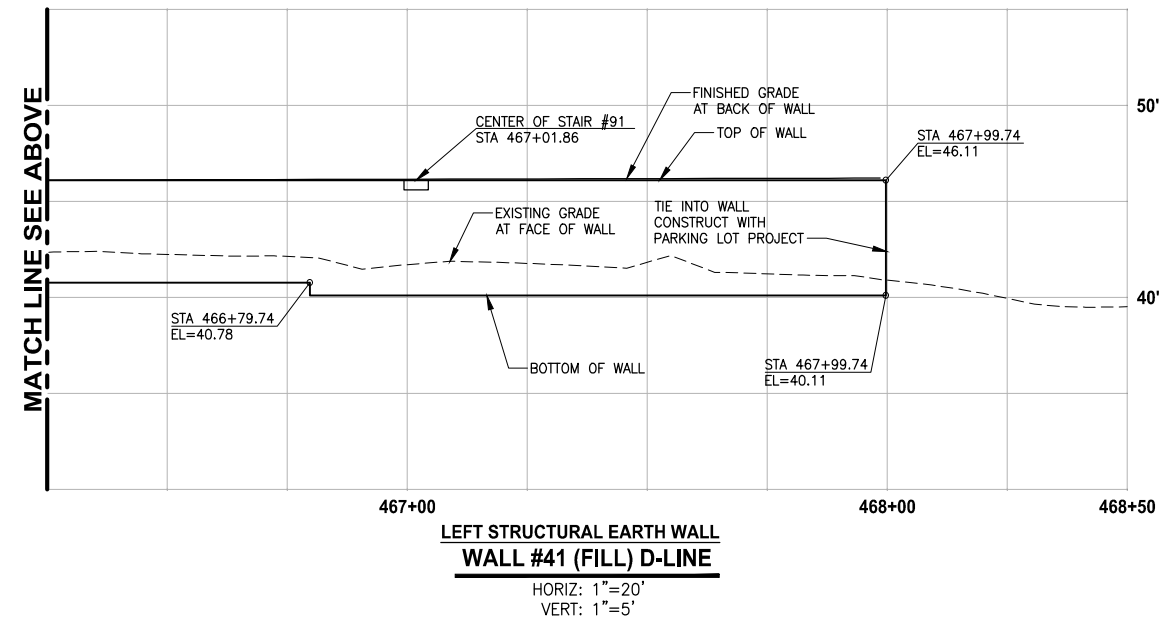
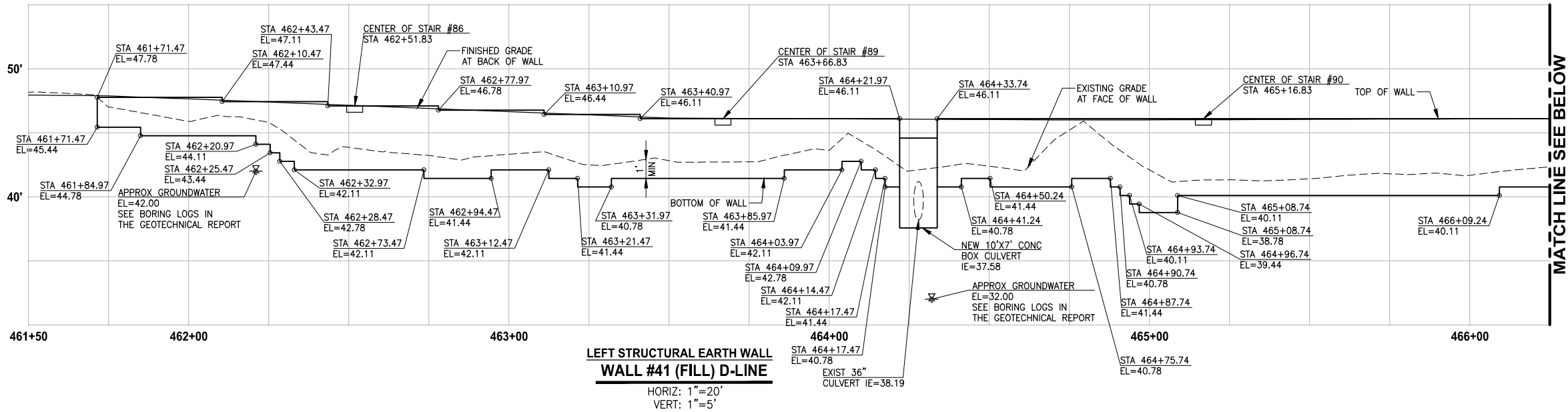
|                                                                                       |
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|                                                                                        |
|----------------------------------------------------------------------------------------|
| PROJECT NAME                                                                           |
| EAST LAKE SAMMAMISH<br>MASTER PLAN TRAIL<br>SOUTH SAMMAMISH SEGMENT B<br>SAMMAMISH, WA |

|               |
|---------------|
| WALL PROFILES |
|---------------|

|                         |
|-------------------------|
| SHEET NO.<br>202 OF 276 |
| WP9                     |

PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\995vca\CADD\Phase 1\03 Civil\Draw\ PLOTTED BY: purgubut DATE: Friday, August 2, 2019 5:28:18 PM LAYOUT: WP10



#### NOTES:

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|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
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|           |      |    | APPROVED    |
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PROJECT NAME

**EAST LAKE SAMMAMISH  
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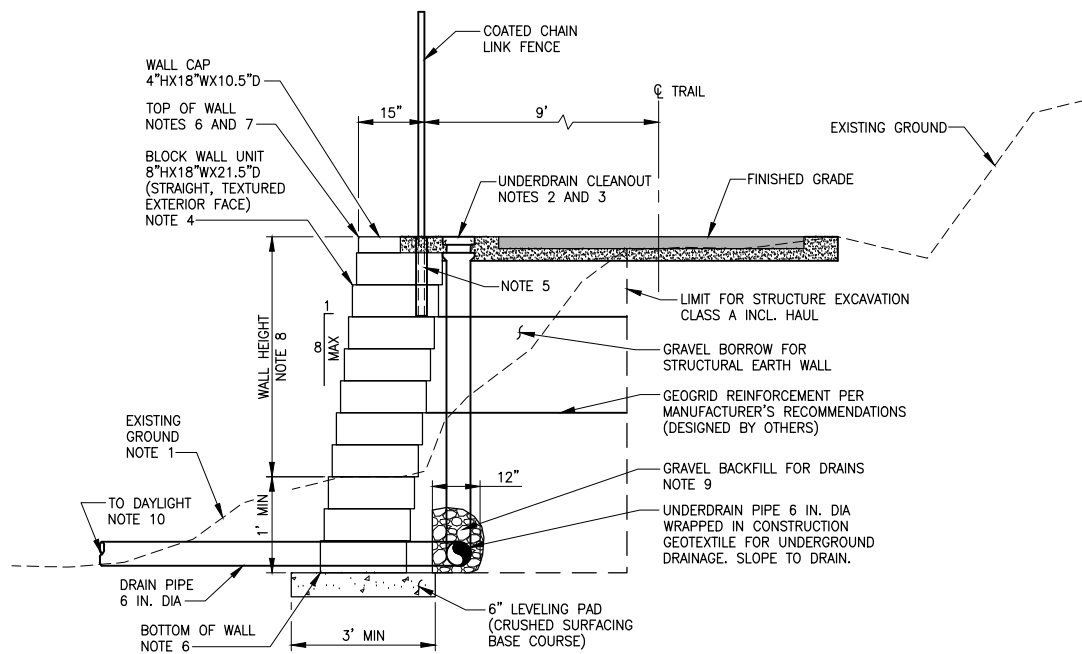
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
203 OF 276

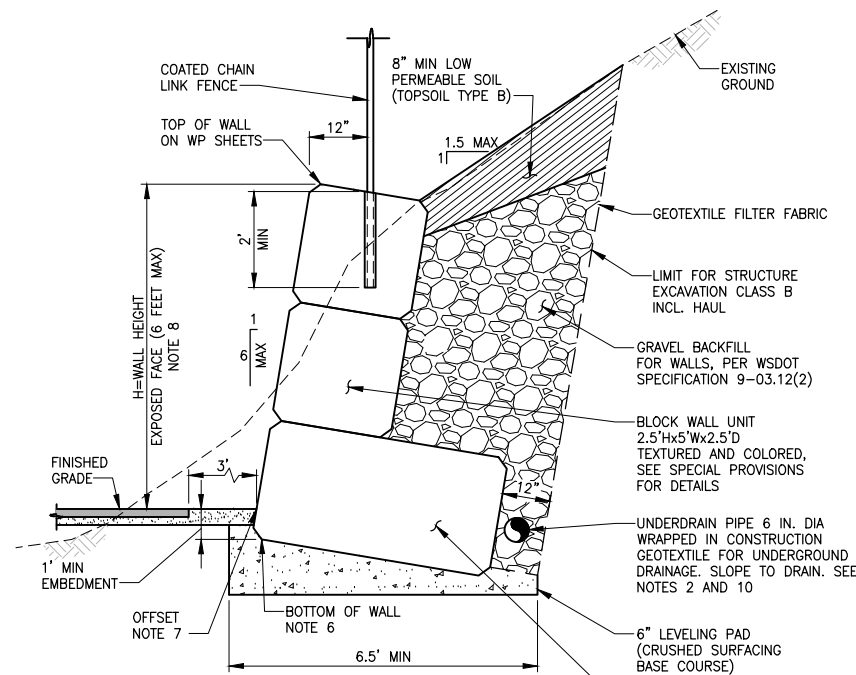
**WP10**

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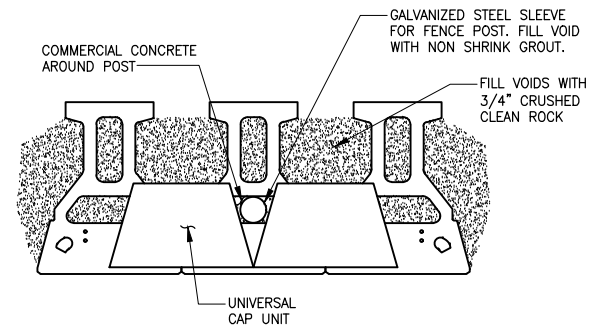
STRUCTURAL EARTH WALL - FILL WALL  
DETAIL 1

NOT TO SCALE



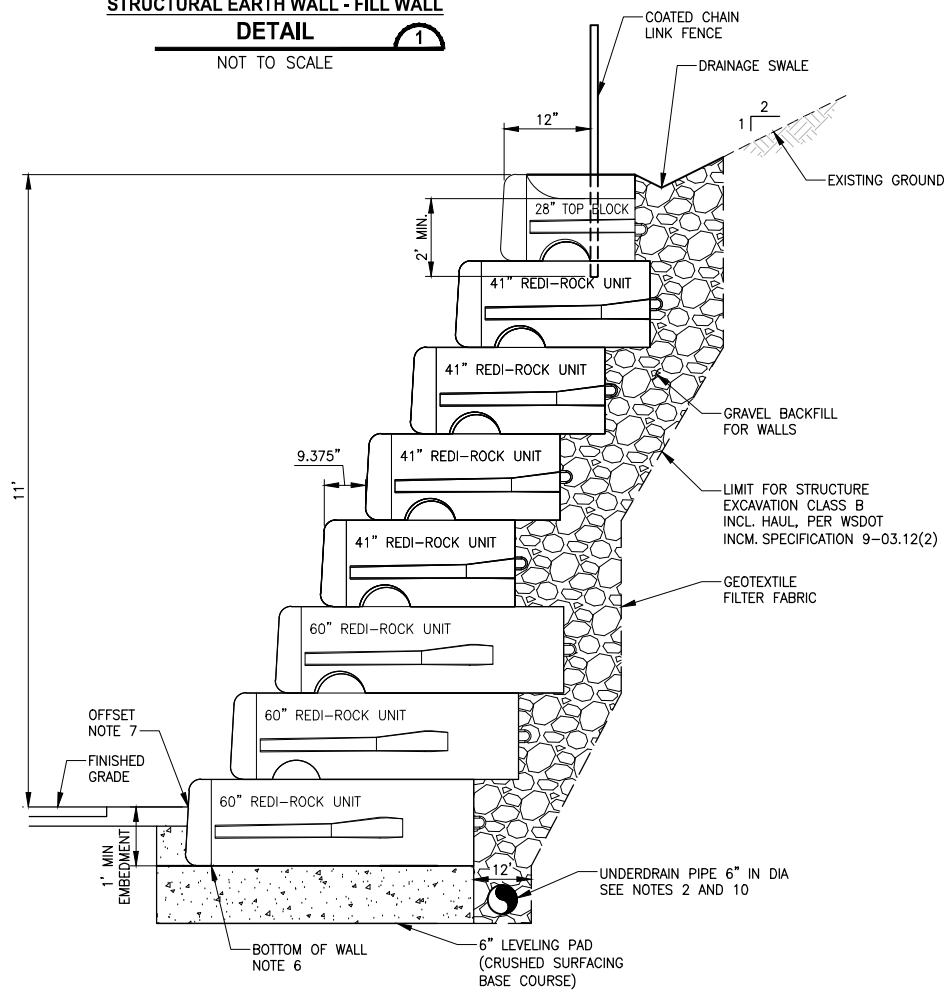
GRAVITY BLOCK WALL - CUT WALL (4' < H ≤ 6')  
DETAIL 2

NOT TO SCALE



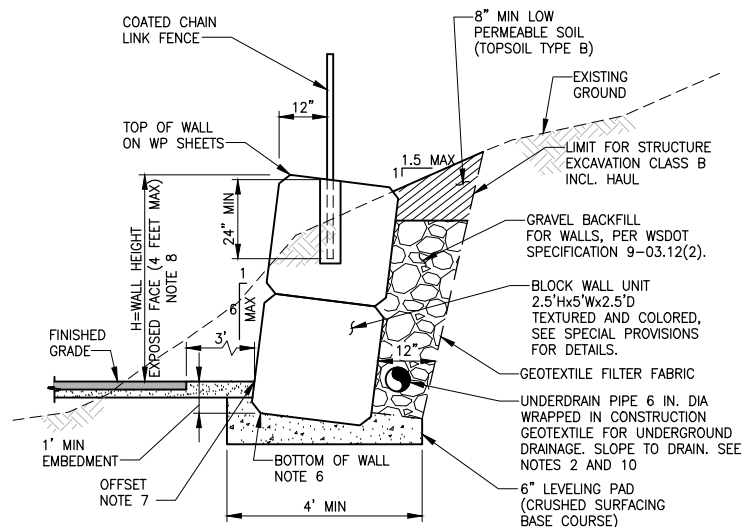
FENCE POST LOCATION  
DETAIL 3

NOT TO SCALE



REDI-ROCK WALL AT STA 434+00  
DETAIL 4

NOT TO SCALE



GRAVITY BLOCK WALL - CUT WALL (H ≤ 4')  
DETAIL 5

NOT TO SCALE

#### NOTES:

- RESTORE DISTURBED EXISTING GROUND WITH NATIVE SOIL BACKFILL AND SEEDING, ANY LANDSCAPING SHALL BE OFFSET 2 FEET MIN FROM FACE OF WALL. SEE SHEET LD1 FOR ADDITIONAL SETBACK REQUIREMENTS.
- SEE UNDERDRAIN CLEANOUT DETAIL 6 ON SHEET DD1.
- UNDERDRAIN CLEANOUT LIDS SHALL BE INSTALLED ALONG THE BACK OF WALL BLOCK AND SHALL NOT BE IN TRAIL HMA PAVEMENT.
- FILL BLOCK UNITS WITH UNIT DRAINAGE FILL. SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS. ALL CONSTRUCTION MUST CONFORM TO MANUFACTURER'S SPECIFIC REQUIREMENTS.
- POST SHALL HAVE MIN 24" DEPTH. SEE DETAIL 3 THIS SHEET FOR FENCE POST PLACEMENT.
- SEE WP SHEETS FOR TOP AND BOTTOM OF WALL ELEVATIONS.
- FOR FILL WALLS, OFFSET DISTANCE IS AT THE OUTSIDE EDGE OF THE CAP BLOCK PER DETAIL 1. FOR CUT WALLS, OFFSET DISTANCE IS AT THE BOTTOM OF EXPOSED WALL FACE PER DETAIL 2 THIS SHEET.
- SEE WALL SCHEDULE ON SHEET WD3.
- GRAVEL BACKFILL FOR DRAINS MUST BE CLEAN AND FREE DRAINING, PER WSDOT SPECIFICATION 9-03.12(4).
- SEE UT SHEETS FOR WALL DRAIN OUTFALL LOCATIONS.
- SEE DD SHEET FOR CONCRETE HEADWALL AND SLEEVE FOR UTILITY PIPES.

#### DESIGN LOAD FOR FILL WALLS

|                       |         |
|-----------------------|---------|
| LIVELOAD FOR TRAIL    | 100 PSF |
| LIVELOAD FOR DRIVEWAY | 250 PSF |
| DEADLOAD              | NONE    |

|                            |      |
|----------------------------|------|
| CITY OF SAMMAMISH APPROVAL |      |
| City Engineer              | Date |
| Community Development      | Date |

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| REVISIONS | DATE | BY | DESIGNED           |
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|           |      |    | M. TSUN            |
|           |      |    | B. PURGANAN        |
|           |      |    | CHECKED Y. HO      |
|           |      |    | APPROVED J. BAILEY |

|                                                      |
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| FILE NAME<br>BL1521075P19T03WD-01                    |
| JOB No.<br>554-1521-075 P19 T03                      |
| DATE<br>AUGUST 2019                                  |



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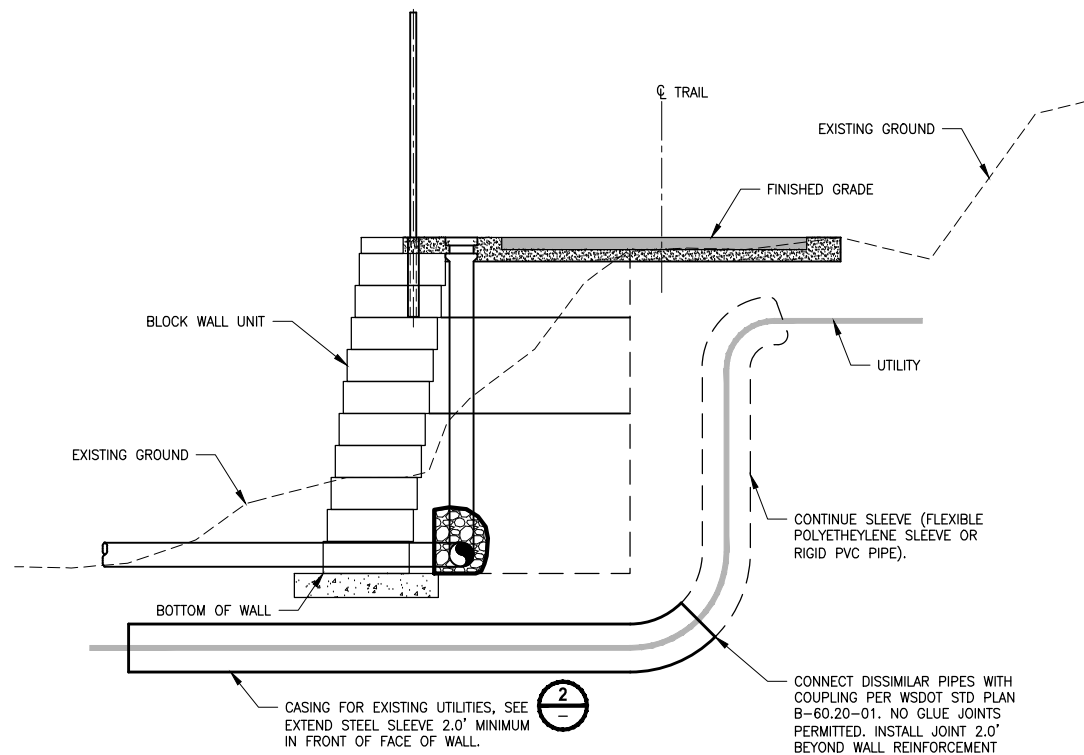
|                                                                                        |
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| PROJECT NAME                                                                           |
| EAST LAKE SAMMAMISH<br>MASTER PLAN TRAIL<br>SOUTH SAMMAMISH SEGMENT B<br>SAMMAMISH, WA |

## STRUCTURAL EARTH WALL DETAILS

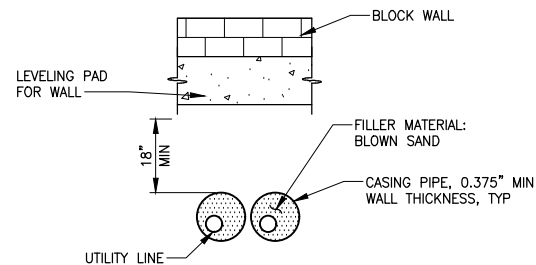
SHEET NO.  
204 OF 276

WD1

PATH: U:\PSO\Projects\Clients\KingCo\554-1521-075-ELST\99Sees\CADD\Phase 19\T03 Civil\DWG\ PLOTTED BY: purgubut DATE: Friday, August 2, 2019 5:28:28 PM LAYOUT: WD2

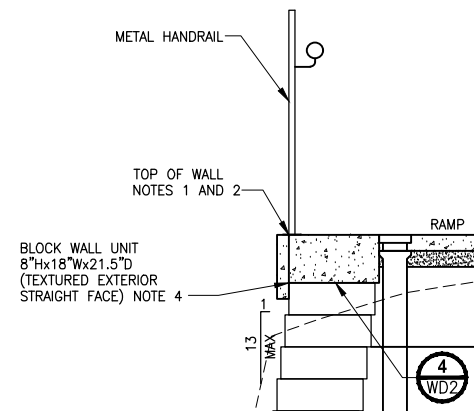


**CASING/SLEEVE OF EXISTING UTILITIES UNDER WALLS**  
**DETAIL 1**  
NOT TO SCALE



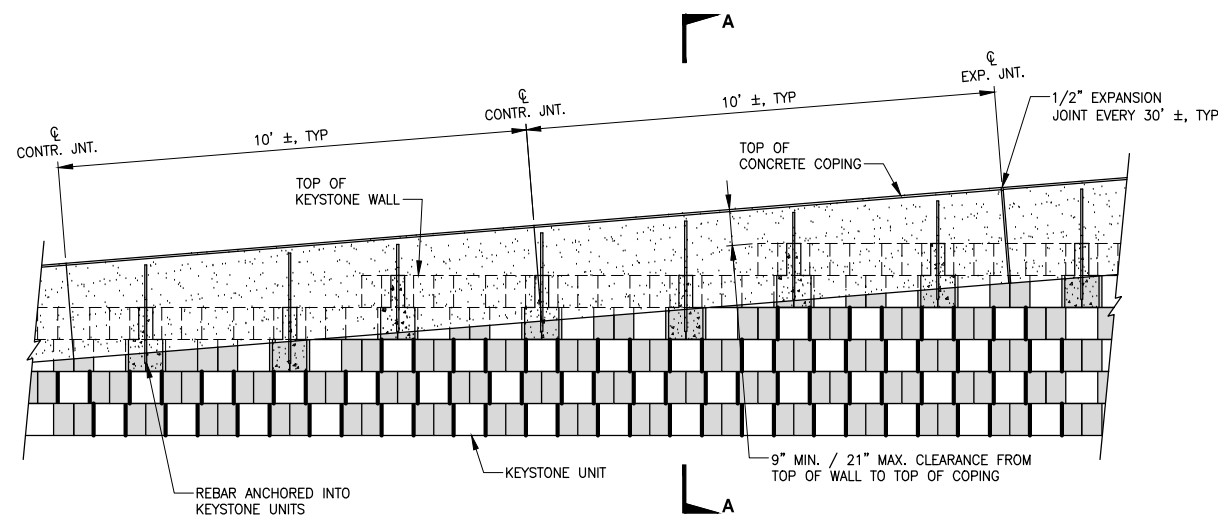
- NOTES:**
1. CASING REQUIRED FOR WATER, SEWER AND GAS LINES SHALL BE SMOOTH GRADE C STEEL, COMPLY WITH ASTM A139, AND HAVE MIN 36,000 PSI YIELD.
  2. FOR UTILITY PIPE LINES LESS THAN 6" DIA., INSIDE DIAMETER OF CASING PIPE SHALL EXCEED THE OUTSIDE DIAMETER OF THE UTILITY PIPE JOINTS OR COUPLINGS BY 2". FOR UTILITY PIPE LINE EQUAL OR OVER 6" DIA., INSIDE DIAMETER OF CASING PIPE SHALL EXCEED THE OUTSIDE DIAMETER OF THE UTILITY BY 4".
  3. PROVIDE A WRAP AROUND END SEAL WITH STAINLESS STEEL BANDS ON BOTH ENDS.

**CROSS SECTION FOR CASING/SLEEVE OF EXISTING UTILITIES UNDER WALLS**  
**DETAIL 2**  
NOT TO SCALE



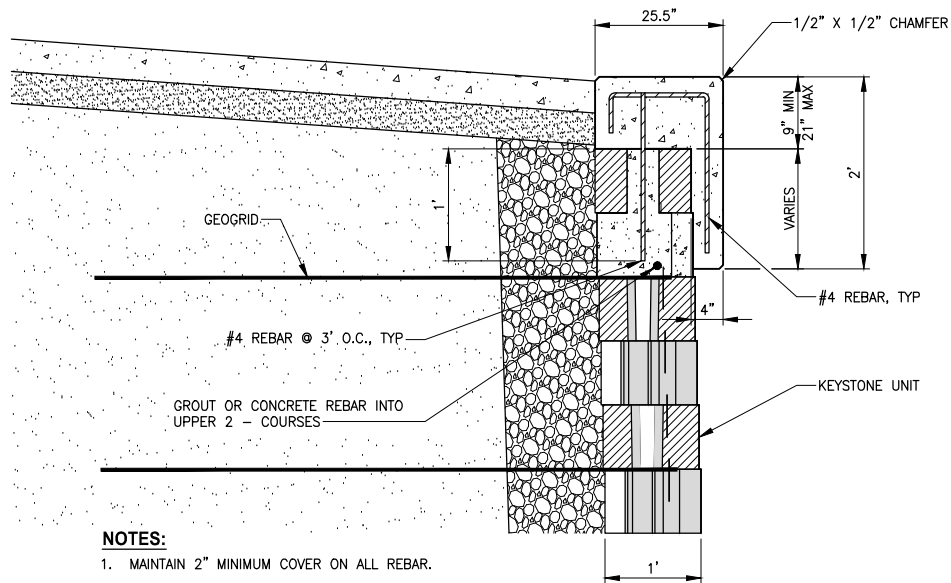
**C.I.P. CONCRETE COPING FOR D2-LINE FILL WALL**  
**DETAIL 3**  
NOT TO SCALE

- NOTES:**
1. SEE WP SHEETS FOR TOP AND BOTTOM OF WALL ELEVATIONS.
  2. FOR FILL WALLS, OFFSET DISTANCE IS AT THE OUTSIDE EDGE OF THE CAP BLOCK PER DETAIL 1. FOR CUT WALLS, OFFSET DISTANCE IS AT THE BOTTOM OF EXPOSED WALL FACE PER DETAIL 2 THIS SHEET.



**ELEVATION**

**PARTIAL C.I.P. CONCRETE COPING**  
**DETAIL 4**  
NOT TO SCALE



- NOTES:**
1. MAINTAIN 2" MINIMUM COVER ON ALL REBAR.
  2. FULL EXPANSION JOINTS SHALL BE PLACED EVERY 3RD JOINT AND AT ALL WALL RADIUS AND BEND POINTS.
  3. ENSURE THAT ALL TOP OF WALL STEPS ARE COMPLETELY COVERED BY OVERHANG OF CONCRETE COPING (3" MIN).

**SECTION A-A**

| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

**95 % REVIEW SUBMITTAL**  
**NOT FOR CONSTRUCTION**

| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | M. TSUN     |
|           |      |    | DRAWN       |
|           |      |    | B. PURGANAN |
|           |      |    | CHECKED     |
|           |      |    | Y. HO       |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

|                                                      |
|------------------------------------------------------|
| ONE INCH AT FULL SCALE.<br>IF NOT, SCALE ACCORDINGLY |
| FILE NAME                                            |
| BL1521075P19T03WD-01                                 |
| JOB No.                                              |
| 554-1521-075 P19 T03                                 |
| DATE                                                 |
| AUGUST 2019                                          |



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PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**STRUCTURAL EARTH WALL  
DETAILS**

SHEET NO.  
205 OF 276

**WD2**

LAYOUT: WD3      PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\985res\CADD\Phase 19\T03 Civil\DWG\      PLOTTED BY: purgebut      DATE: Friday, August 2, 2019 5:28:33 PM

WALL SCHEDULE

| WALL #   | ALIGNMENT   | BEGIN STA | END STA   | SIDE | EXPOSED WALL HEIGHT RANGE | FILL/CUT | TYPE         | NOTE                                 |
|----------|-------------|-----------|-----------|------|---------------------------|----------|--------------|--------------------------------------|
| WALL 1   | B-LINE      | 289+25    | 291+50    | LT   | 0.9-3.2'                  | FILL     | SEW          |                                      |
| WALL 2   | B-LINE      | 292+00    | 293+75    | RT   | 0'-5.4'                   | CUT      | GBW          | TEMPORARY SHORING                    |
| WALL 3A  | B-LINE      | 294+96.06 | 298+13.41 | RT   | 1.5'-11.5'                | CUT      | SOLDIER PILE | SOLDIER PILE WALL                    |
| WALL 3B  | B-LINE      | 292+55.83 | 298+39.33 | LT   | 1.3'-10.7'                | FILL     | SEW          | TEMPORARY SHORING                    |
| WALL 3C  | B-LINE      | 298+85.50 | 299+50.50 | RT   | 3.0'-3.6'                 | CUT      | GBW          | TEMPORARY CUT SLOPE 1H:1V            |
| WALL 3D  | B-LINE      | 299+87.5  | 300+22.5  | RT   | 3.0'-4'                   | CUT      | REDIROCK     | STAIR #7, SHORING                    |
| WALL 4   | B-LINE      | 300+90    | 302+65.50 | LT   | 1.7'-4.6'                 | FILL     | SEW          |                                      |
| WALL 4A  | B-LINE      | 302+10    | 302+65    | RT   | 3.5'-3.7'                 | CUT      | GBW          | TEMPORARY CUT SLOPE 1H:1V            |
| WALL 5   | B-LINE      | 305+67.50 | 309+21.50 | LT   | 1.0'-4.2'                 | FILL     | SEW          |                                      |
| WALL 6   | B-LINE      | 310+59.36 | 313+64.03 | RT   | 1.0'-10.5'                | CUT      | SOLDIER PILE | SOLDIER PILE WALL                    |
| WALL 8   | B-LINE      | 312+74.95 | 314+60.95 | LT   | 0.6'-5.7'                 | FILL     | SEW          |                                      |
| WALL 9   | B-LINE      | 314+85    | 320+11.50 | LT   | 0.8'-6.1'                 | FILL     | SEW          |                                      |
| WALL 10  | B-LINE      | 326+14.50 | 327+34.50 | LT   | 0.3'-3.2'                 | FILL     | SEW          |                                      |
| WALL 11  | B-LINE      | 328+15    | 333+64.50 | RT   | 0.1'-5.2'                 | FILL     | SEW          |                                      |
| WALL 11A | B-LINE      | 333+64.50 | 333+89.50 | RT   | 1.5'-4.0'                 | CUT      | GBW          |                                      |
| WALL 12A | B-LINE      | 334+12.50 | 335+29.50 | LT   | 1.1'-3.0'                 | FILL     | SEW          |                                      |
| WALL 12B | B-LINE      | 340+63.05 | 341+15.05 | LT   | 4.4'-4.9'                 | FILL     | SEW          | REST STOP                            |
| WALL 12C | B-LINE      | 340+63.05 | 340+63.05 | LT   | 0.3'-4.9'                 | FILL     | SEW          | REST STOP, WALL LEG                  |
| WALL 12D | B-LINE      | 341+15.05 | 341+15.05 | LT   | 0.6'-4.4'                 | FILL     | SEW          | REST STOP, WALL LEG                  |
| WALL 13  | B-LINE      | 341+15.05 | 352+79.05 | LT   | 0.6'-7.3'                 | FILL     | SEW          |                                      |
| WALL 13A | B-LINE      | 351+35.51 | 352+00.51 | RT   | 2.8'-4.0'                 | CUT      | GBW          | TEMPORARY SHORING                    |
| WALL 13B | B-LINE      | 348+33.15 | 348+60.24 | RT   | 6.5'                      | CUT      | GBW          | STAIR #53, TEMPORARY CUT SLOPE 1H:1V |
| WALL 14  | B-LINE      | 353+23.50 | 354+38.50 | RT   | 6.0'-6.2'                 | CUT      | GBW          | TEMPORARY CUT SLOPE 1H:1V            |
| WALL 15  | B-LINE      | 355+45    | 370+85.50 | LT   | 0.9'-7.7'                 | FILL     | SEW          |                                      |
| WALL 16  | C-LINE      | 371+71.30 | 374+99.80 | LT   | 0.7'-4.0'                 | FILL     | SEW          |                                      |
| WALL 17  | C-LINE      | 375+59.45 | 376+84.45 | RT   | 4.2'-5.1'                 | CUT      | GBW          | TEMPORARY CUT SLOPE 1.5H:1V          |
| WALL 18  | C-LINE      | 378+92    | 379+49.66 | LT   | 0.3'-2.6'                 | FILL     | SEW          |                                      |
| WALL 19  | C-LINE      | 378+93.50 | 379+75.16 | RT   | 0'-1.6'                   | FILL     | SEW          |                                      |
| WALL 20  | C-LINE      | 380+50.40 | 385+10.90 | LT   | 0.5'-4.5'                 | FILL     | SEW          |                                      |
| WALL 21  | C-LINE      | 383+74.40 | 385+22.90 | RT   | 0'-1.1'                   | FILL     | SEW          |                                      |
| WALL 21A | C-LINE      | 394+62.98 | 395+12.98 | RT   | 1.4'-4.5'                 | CUT      | GBW          | REST STOP, TEMPORARY CUT SLOPE 1H:1V |
| WALL 22  | C-LINE      | 401+00.11 | 402+74.78 | RT   | 0.4'-3.7'                 | FILL     | SEW          |                                      |
| WALL 29  | D-LINE      | 431+58.00 | 432+64.50 | LT   | 5.5'-10.4'                | FILL     | SEW          |                                      |
| WALL 30  | D-LINE      | 432+86.50 | 438+37.5  | LT   | 1.0'-10.4'                | FILL     | SEW          |                                      |
| WALL 31A | D2-LINE     | 10+19.26  | 11+61.76  | RT   | 2'-11'                    | FILL     | SEW          | WALKWAY                              |
| WALL 31B | D2-LINE     | 10+11.02  | 11+06     | LT   | 2'-10.5'                  | CUT      | REDIROCK     | WALKWAY, TEMPORARY CUT SLOPE 0.5H:1V |
| WALL 31C | D2-LINE     | 11+06     | 11+61.5   | LT   | 3.7'-9.4'                 | FILL     | SEW          | WALKWAY                              |
| WALL 32  | D-LINE      | 444+65.24 | 445+77.74 | LT   | 0.8'-3.1'                 | FILL     | SEW          |                                      |
| WALL 33  | D-LINE      | 448+19    | 451+64    | LT   | 1.0'-6.0'                 | FILL     | SEW          |                                      |
| WALL 33A | D-LINE REF. | 450+01.97 | 450+73.87 | RT   | 1.6'-11'                  | FILL     | SEW          | PARKING, REFERENCE ALIGNMENT         |
| WALL 34  | D-LINE      | 452+95.50 | 456+97.50 | LT   | 1.6'-5.8'                 | FILL     | SEW          |                                      |
| WALL 35  | D-LINE      | 456+34.72 | 457+45.72 | RT   | 5.5'-5.7'                 | CUT      | SEW          |                                      |
| WALL 36  | D-LINE REF. | 457+45.63 | 457+89.99 | RT   | 1.3'-6.5'                 | CUT      | SEW          | STAIR #83, REFERENCE ALIGNMENT       |
| WALL 37  | D-LINE      | 457+70.50 | 459+40    | LT   | 0.7'-3.3'                 | FILL     | SEW          |                                      |
| WALL 38  | D-LINE      | 459+18.85 | 459+95.35 | LT   | 0'-5.3'                   | FILL     | SEW          | DRIVEWAY #24                         |
| WALL 39  | D-LINE      | 460+15.71 | 460+95.21 | RT   | 0'-1.5'                   | FILL     | SEW          |                                      |
| WALL 40  | D-LINE      | 460+25.50 | 461+39.50 | LT   | 0.3'-3.5'                 | FILL     | SEW          |                                      |
| WALL 41  | D-LINE      | 461+71.47 | 467+99.74 | LT   | 0'-5.0'                   | FILL     | SEW          |                                      |
| WALL 42  | D-LINE      | 463+79.59 | 464+21.59 | RT   | 0.8'-1.3'                 | FILL     | SEW          |                                      |

\* FOR FILL WALLS, OFFSET DISTANCE FOR WALLS IS AT THE OUTSIDE OF WALL FOR THE CAP BLOCK PER FOR CUT WALLS, OFFSET DISTANCE IS AT BOTTOM OF WALL. PER 

1WD1

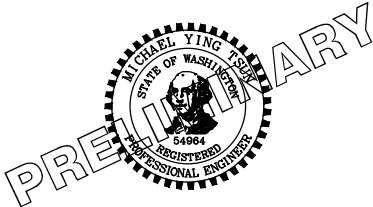
2WD1

|                            |      |
|----------------------------|------|
| CITY OF SAMMAMISH APPROVAL |      |
| City Engineer              | Date |
| Community Development      | Date |

95 % REVIEW SUBMITTAL  
NOT FOR CONSTRUCTION

| REVISIONS | DATE | BY | DESIGNED<br>M. TSUN   |
|-----------|------|----|-----------------------|
|           |      |    | DRAWN<br>B. PURGANAN  |
|           |      |    | CHECKED               |
|           |      |    | APPROVED<br>J. BAILEY |

|                                                      |
|------------------------------------------------------|
| ONE INCH AT FULL SCALE.<br>IF NOT, SCALE ACCORDINGLY |
| FILE NAME<br>BL1521075P19T03WD-01                    |
| JOB No.<br>554-1521-075 P19 T03                      |
| DATE<br>AUGUST 2019                                  |



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PROJECT NAME

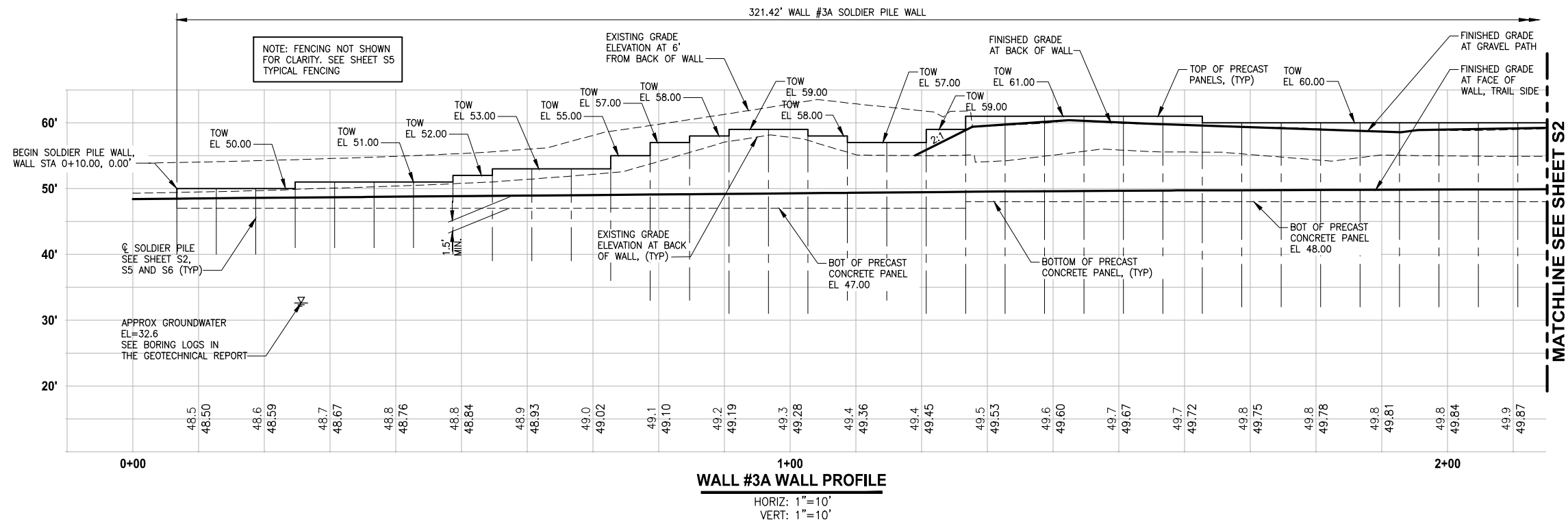
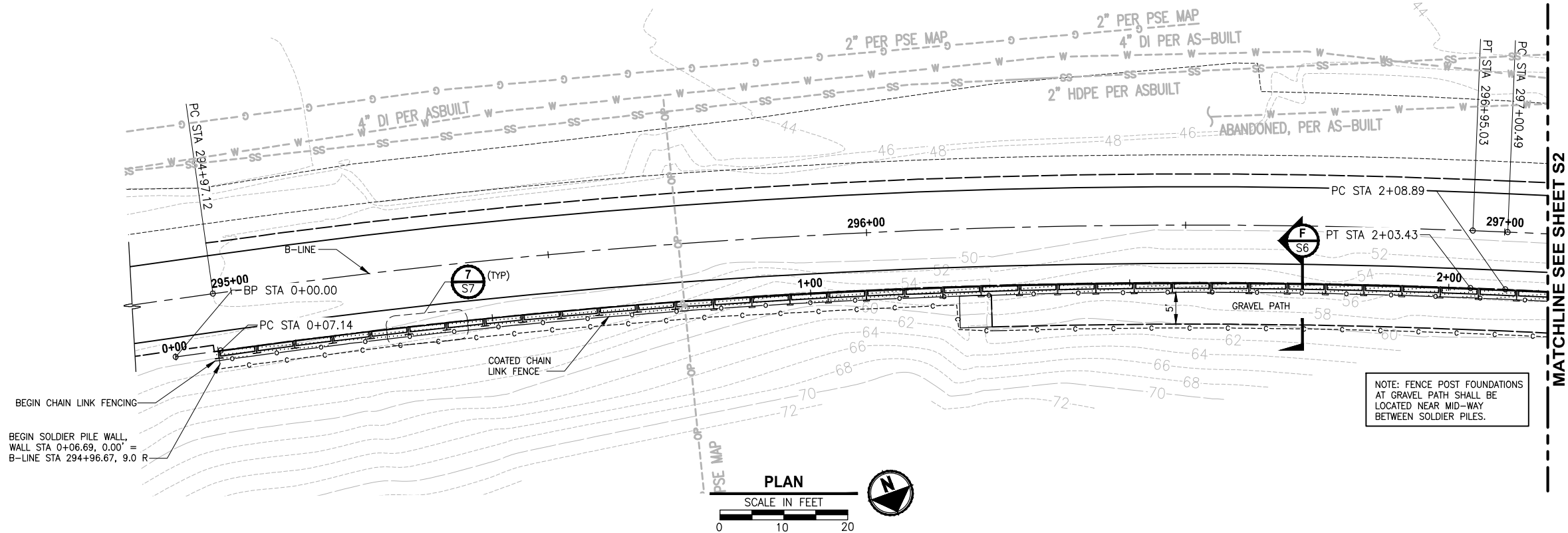
EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B  
SAMMAMISH, WA

STRUCTURAL EARTH WALL  
SCHEDULE

SHEET NO.  
206 OF 276

WD3

U:\P50\Projects\Civil\1521-075-ELST\955va\cadd\Phase 19\T03\_Civil\DWG\ PLOTTED BY: purgubut DATE: Friday, August 2, 2019 5:28:52 PM



# CIVIL CONSTRUCTION NOTES:

1. INSTALL STAIR, (TYP) SEE S8

| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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NOT FOR CONSTRUCTION

| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | A. MENDOZA  |
|           |      |    | A. VALENCIA |
|           |      |    | R. MURRAY   |
|           |      |    | J. BAILEY   |

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME  
BL1521075P19T03S-01

JOB No.  
554-1521-075 P19 T03

DATE  
AUGUST 2019



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PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**WALL #3A SOLDIER PILE WALL**

SHEET NO.  
207 OF 276

**S1**

CIVIL CONSTRUCTION NOTES:

1 INSTALL STAIR, (TYP) SEE S8

PILE SCHEDULE:

| EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMAMISH SEGMENT B SOLDIER PILE LAYOUT WALL #3A |                                   |                  |                  |               |             |              |             |                      |
|---------------------------------------------------------------------------------------------|-----------------------------------|------------------|------------------|---------------|-------------|--------------|-------------|----------------------|
| STATION OFFSET B-LINE AT CL STEEL PILE                                                      | WALL STATION #3A AT CL STEEL PILE | TOP OF WALL ELEV | BOT OF WALL ELEV | PILE TIP ELEV | PILE LENGTH | PILE SECTION | WALL HEIGHT | PRECAST PANEL LENGTH |
| 294+96.67, 9.00 R                                                                           | 0+06.69                           | 50.00            | 47.00            | 40.00         | 10          | HP14x117     | 3.00        | 5'-8"                |
| 295+02.72, 9.00 R                                                                           | 0+12.69                           | 50.00            | 47.00            | 40.00         | 10          | HP14x117     | 3.00        | 5'-6"                |
| 295+08.77, 9.00 R                                                                           | 0+18.69                           | 50.00            | 47.00            | 40.00         | 10          | HP14x117     | 3.00        | 5'-6"                |
| 295+14.82, 9.00 R                                                                           | 0+24.69                           | 51.00            | 47.00            | 41.00         | 10          | HP14x117     | 4.00        | 5'-6"                |
| 295+20.87, 9.00 R                                                                           | 0+30.69                           | 51.00            | 47.00            | 41.00         | 10          | HP14x117     | 4.00        | 5'-6"                |
| 295+26.92, 9.00 R                                                                           | 0+36.69                           | 51.00            | 47.00            | 41.00         | 10          | HP14x117     | 4.00        | 5'-6"                |
| 295+32.97, 9.00 R                                                                           | 0+42.69                           | 51.00            | 47.00            | 41.00         | 10          | HP14x117     | 4.00        | 5'-6"                |
| 295+39.02, 9.00 R                                                                           | 0+48.69                           | 52.00            | 47.00            | 40.00         | 12          | HP14x117     | 5.00        | 5'-6"                |
| 295+45.07, 9.00 R                                                                           | 0+54.69                           | 53.00            | 47.00            | 39.00         | 14          | HP14x117     | 6.00        | 5'-6"                |
| 295+51.12, 9.00 R                                                                           | 0+60.69                           | 53.00            | 47.00            | 39.00         | 14          | HP14x117     | 6.00        | 5'-6"                |
| 295+57.16, 9.00 R                                                                           | 0+66.69                           | 53.00            | 47.00            | 39.00         | 14          | HP14x117     | 6.00        | 5'-6"                |
| 295+63.21, 9.00 R                                                                           | 0+72.69                           | 55.00            | 47.00            | 36.00         | 19          | HP14x117     | 8.00        | 5'-6"                |
| 295+69.26, 9.00 R                                                                           | 0+78.69                           | 57.00            | 47.00            | 33.00         | 24          | HP14x117     | 10.00       | 5'-6"                |
| 295+75.31, 9.00 R                                                                           | 0+84.69                           | 58.00            | 47.00            | 33.00         | 25          | W18x211      | 11.00       | 5'-6"                |
| 295+81.36, 9.00 R                                                                           | 0+90.69                           | 59.00            | 47.00            | 31.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 295+87.41, 9.00 R                                                                           | 0+96.69                           | 59.00            | 47.00            | 31.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 295+93.46, 9.00 R                                                                           | 1+02.69                           | 59.00            | 47.00            | 31.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 295+99.51, 9.00 R                                                                           | 1+08.69                           | 58.00            | 47.00            | 33.00         | 25          | W18x211      | 11.00       | 5'-6"                |
| 296+05.56, 9.00 R                                                                           | 1+14.69                           | 57.00            | 47.00            | 33.00         | 24          | HP14x117     | 10.00       | 5'-6"                |
| 296+11.61, 9.00 R                                                                           | 1+20.69                           | 59.00            | 47.00            | 31.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+17.66, 9.00 R                                                                           | 1+26.69                           | 61.00            | 47.00            | 31.00         | 30          | W18x211      | 14.00       | 5'-6"                |
| 296+23.71, 9.00 R                                                                           | 1+32.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 296+29.76, 9.00 R                                                                           | 1+38.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 296+35.81, 9.00 R                                                                           | 1+44.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 296+41.86, 9.00 R                                                                           | 1+50.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 296+47.91, 9.00 R                                                                           | 1+56.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 296+53.96, 9.00 R                                                                           | 1+62.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 296+60.01, 9.00 R                                                                           | 1+68.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+66.06, 9.00 R                                                                           | 1+74.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+72.10, 9.00 R                                                                           | 1+80.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+78.15, 9.00 R                                                                           | 1+86.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+84.20, 9.00 R                                                                           | 1+92.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+90.25, 9.00 R                                                                           | 1+98.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 296+96.29, 9.00 R                                                                           | 2+04.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 297+02.31, 9.00 R                                                                           | 2+10.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 297+08.37, 9.00 R                                                                           | 2+16.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 297+14.43, 9.00 R                                                                           | 2+22.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 297+20.49, 9.00 R                                                                           | 2+28.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+26.55, 9.00 R                                                                           | 2+34.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+32.61, 9.00 R                                                                           | 2+40.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+38.67, 9.00 R                                                                           | 2+46.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+44.73, 9.00 R                                                                           | 2+52.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+50.79, 9.00 R                                                                           | 2+58.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+56.85, 9.00 R                                                                           | 2+64.69                           | 61.00            | 48.00            | 31.00         | 30          | W18x211      | 13.00       | 5'-6"                |
| 297+62.91, 9.00 R                                                                           | 2+70.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 297+68.97, 9.00 R                                                                           | 2+76.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 5'-6"                |
| 297+75.03, 9.00 R                                                                           | 2+82.69                           | 60.00            | 48.00            | 32.00         | 28          | W18x211      | 12.00       | 4'-0"                |
| 297+75.65, 15.00 R                                                                          | 2+89.30                           | 59.40            | 48.40            | 34.40         | 25          | W18x211      | 11.00       | 4'-9"                |
| 297+81.03, 15.00 R                                                                          | 2+94.60                           | 59.40            | 48.40            | 34.40         | 25          | W18x211      | 11.00       | 4'-9"                |
| 297+86.39, 15.00 R                                                                          | 2+99.87                           | 59.40            | 48.40            | 34.40         | 25          | W18x211      | 11.00       | 4'-9"                |
| 297+91.76, 15.00 R                                                                          | 3+01.86                           | 58.40            | 48.40            | 34.40         | 24          | HP14x117     | 10.00       | 4'-9"                |
| 297+97.12, 15.00 R                                                                          | 3+05.14                           | 58.40            | 48.40            | 34.40         | 24          | HP14x117     | 10.00       | 4'-9"                |
| 298+02.48, 15.0 R                                                                           | 3+10.42                           | 58.40            | 48.40            | 34.40         | 24          | HP14x117     | 10.00       | 5'-6"                |
| 298+08.27, 12.07 R                                                                          | 3+22.18                           | 57.40            | 48.40            | 35.40         | 22          | HP14x117     | 9.00        | 5'-6"                |
| 298+14.03, 9.00 R                                                                           | 3+28.73                           | 55.40            | 48.40            | 38.40         | 17          | HP14x117     | 7.00        | END                  |

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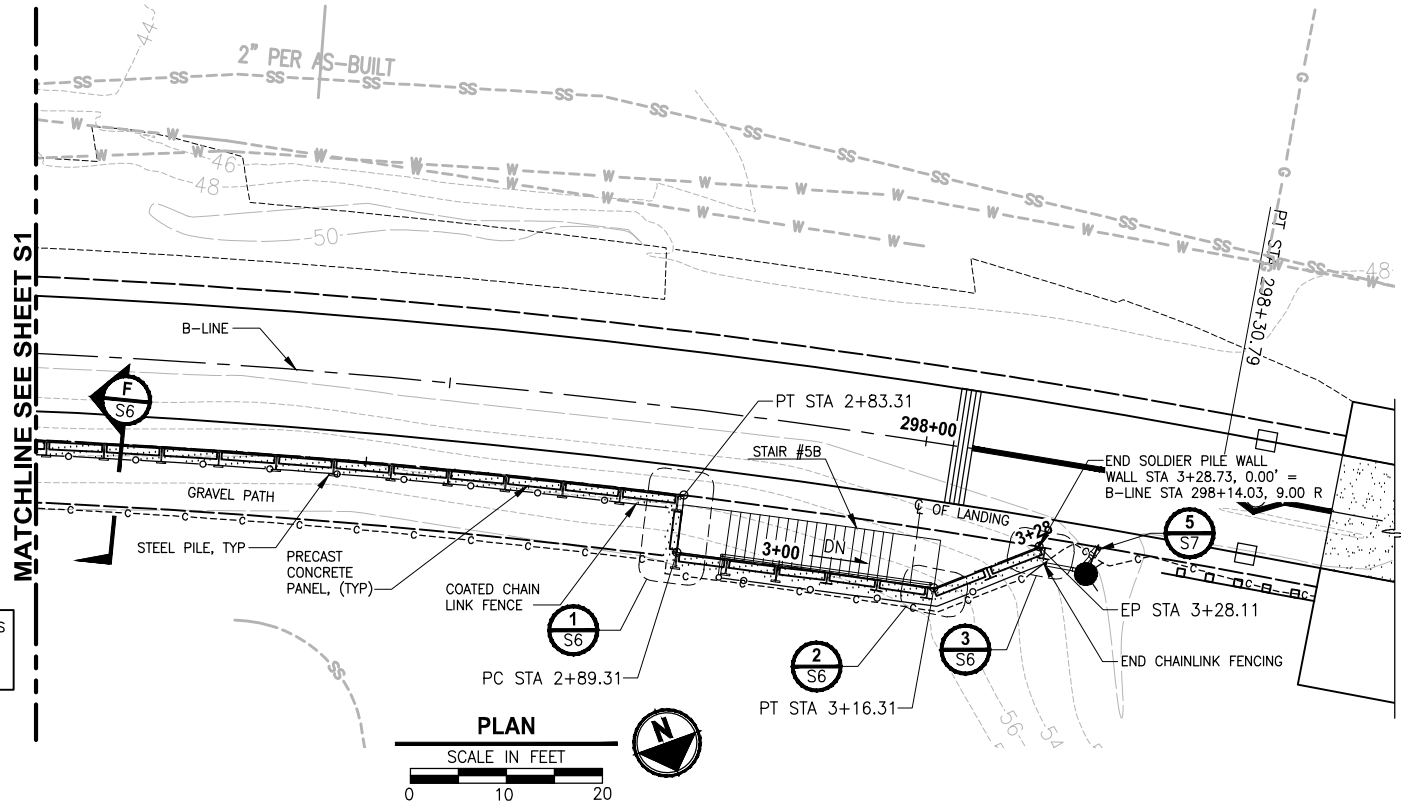
City Engineer \_\_\_\_\_ Date \_\_\_\_\_  
Community Development \_\_\_\_\_ Date \_\_\_\_\_

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WALL #3A SOLDIER PILE WALL

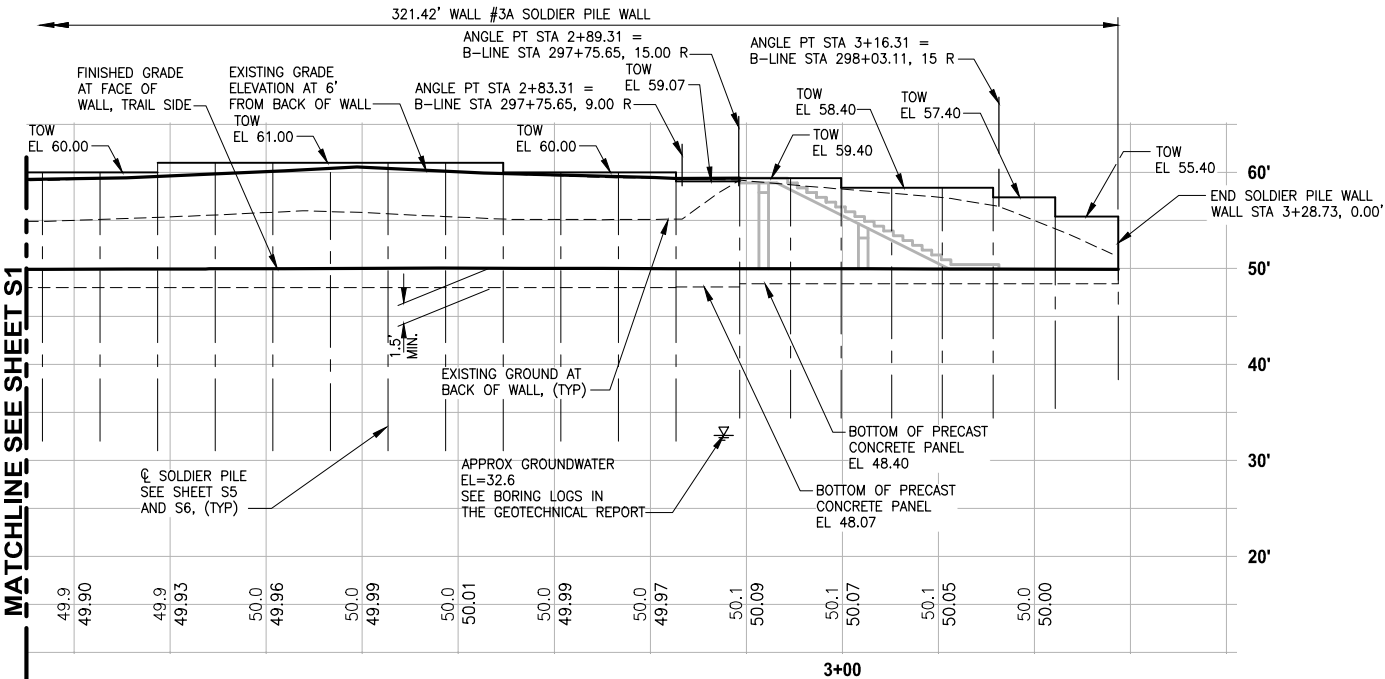
SHEET NO.  
208 OF 276

S2



NOTE: FENCE POST FOUNDATIONS AT GRAVEL PATH SHALL BE LOCATED NEAR MID-WAY BETWEEN SOLDIER PILES.

NOTE: FENCING NOT SHOWN FOR CLARITY. SEE SHEET S5 TYPICAL FENCING

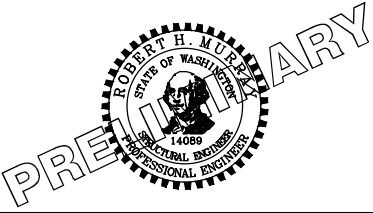


WALL #3A WALL PROFILE

HORIZ: 1"=10'  
VERT: 1"=10'

| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | A. MENDOZA  |
|           |      |    | A. VALENCIA |
|           |      |    | R. MURRAY   |
|           |      |    | J. BAILEY   |

|                                                   |
|---------------------------------------------------|
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| FILE NAME<br>BL1521075P19T03S-01                  |
| JOB NO.<br>554-1521-075 P19 T03                   |
| DATE<br>AUGUST 2019                               |



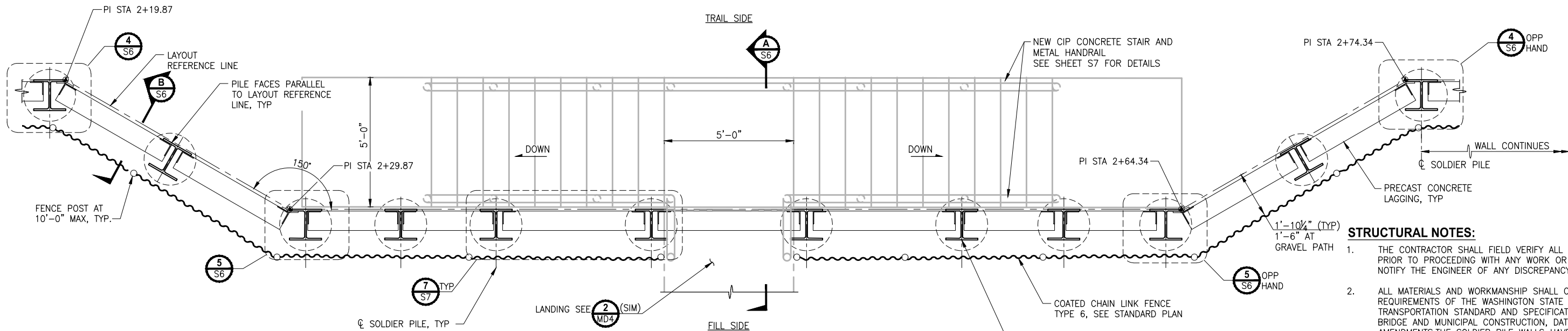
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PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA





PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\995\ca\CADD\Phase 19 T03 Civil\Drawg\ PLOTTED BY: purgabat DATE: Friday, August 2, 2019 5:29:33 PM LAYOUT: S5

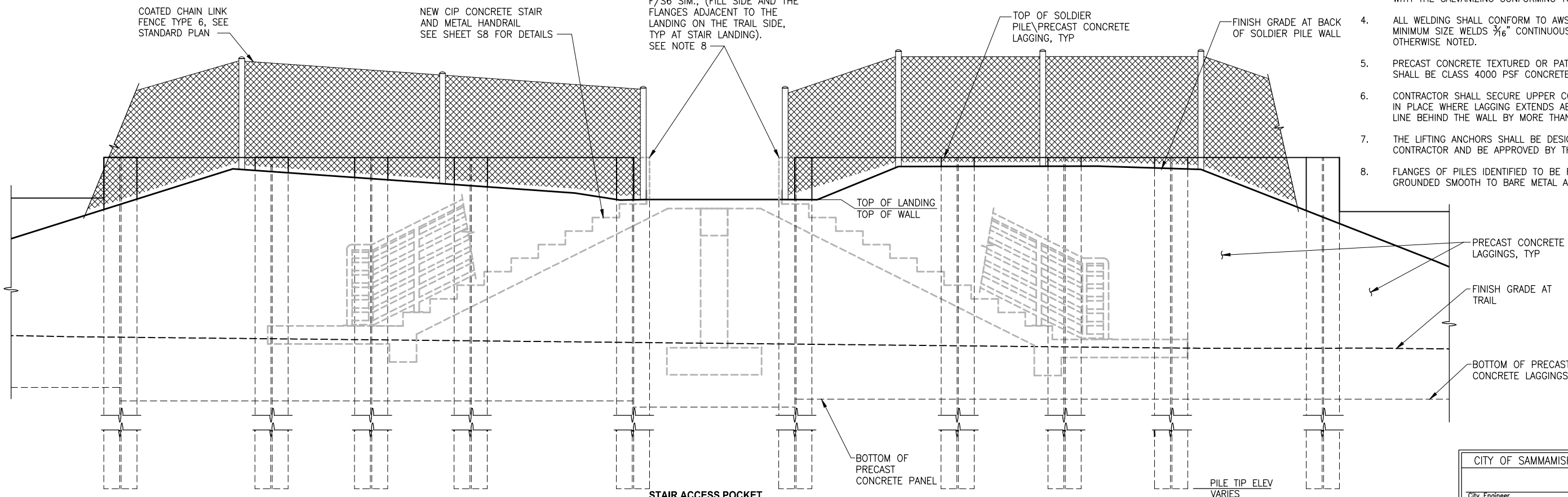


STAIR ACCESS POCKET (STAIRS 25 & 26 SHOWN, OTHERS SIMILAR)

PLAN

1/2"=1'-0"

PILE FLANGES TO BE CUT, SEE F/S6 SIM., (FILL SIDE AND THE FLANGES ADJACENT TO THE LANDING ON THE TRAIL SIDE, TYP AT STAIR LANDING). SEE NOTE 8



STAIR ACCESS POCKET ELEVATION

1/2"=1'-0"

STRUCTURAL NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. NOTIFY THE ENGINEER OF ANY DISCREPANCY.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD AND SPECIFICATION FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, DATED 2018, AND AMENDMENTS. THE SOLDIER PILE WALLS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RETAINING WALL PROVISIONS OF THE 8TH EDITION OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
3. ALL HP 14x117 AND W18x211 STEEL PILES SHALL BE ASTM A572 GR50, AND ALL OTHER STRUCTURAL STEEL SHALL BE ASTM A36 OR ASTM A992. ALL STEEL SHALL BE GALVANIZED WITH THE GALVANIZING CONFORMING TO ASTM 153.
4. ALL WELDING SHALL CONFORM TO AWS D1.1 WELDING CODE. MINIMUM SIZE WELDS  $\frac{3}{16}$ " CONTINUOUS FILLET, UNLESS OTHERWISE NOTED.
5. PRECAST CONCRETE TEXTURED OR PATTERNED FACE PANELS SHALL BE CLASS 4000 PSF CONCRETE.
6. CONTRACTOR SHALL SECURE UPPER COURSES OF LAGGING IN PLACE WHERE LAGGING EXTENDS ABOVE THE GROUND LINE BEHIND THE WALL BY MORE THAN 1'-0".
7. THE LIFTING ANCHORS SHALL BE DESIGNED BY THE CONTRACTOR AND BE APPROVED BY THE ENGINEER.
8. FLANGES OF PILES IDENTIFIED TO BE FIELD CUT SHALL BE GROUNDED SMOOTH TO BARE METAL AND COLD GALVANIZED.

| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
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| Community Development      | Date |

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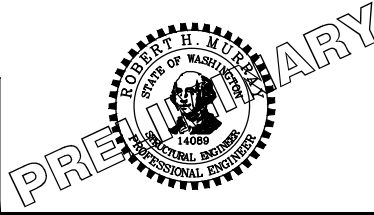
| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | A. MENDOZA  |
|           |      |    | DRAWN       |
|           |      |    | A. VALENCIA |
|           |      |    | CHECKED     |
|           |      |    | R. MURRAY   |
|           |      |    | APPROVED    |
|           |      |    | J. BAILEY   |

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MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**

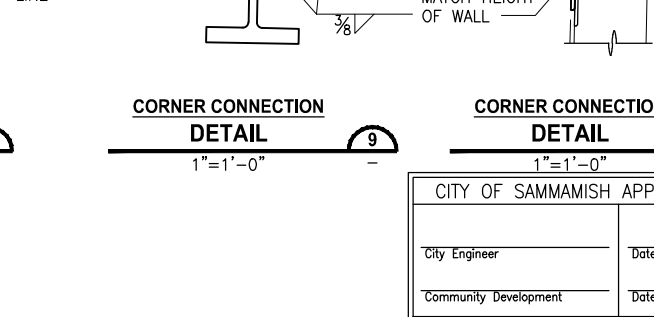
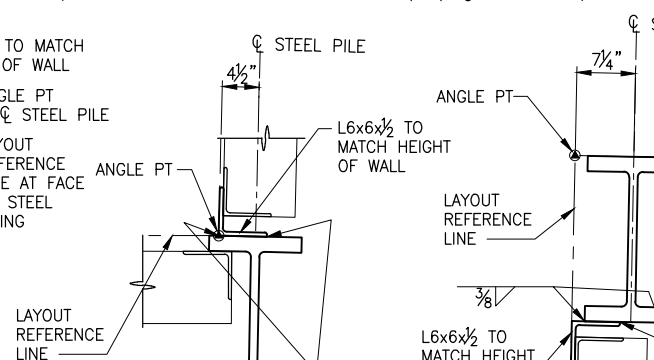
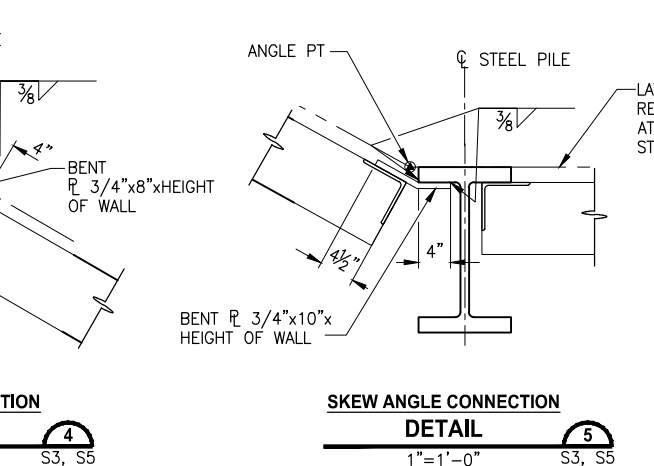
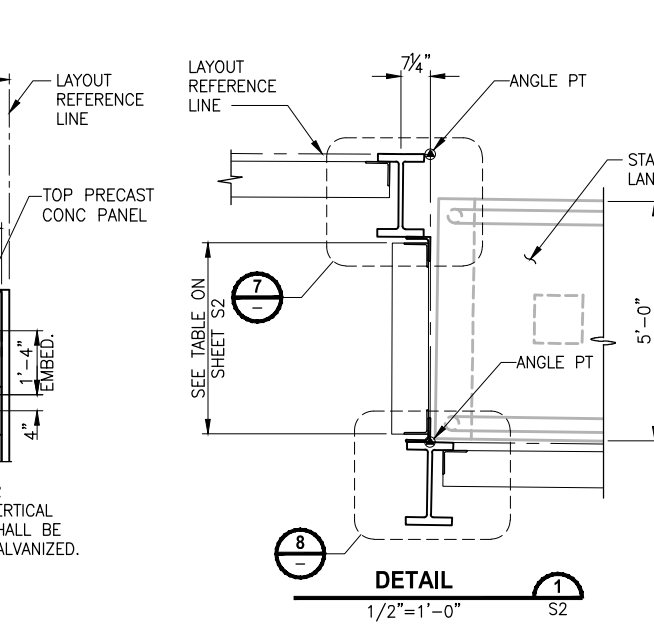
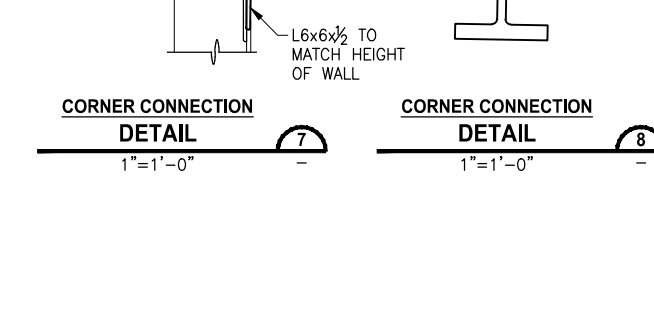
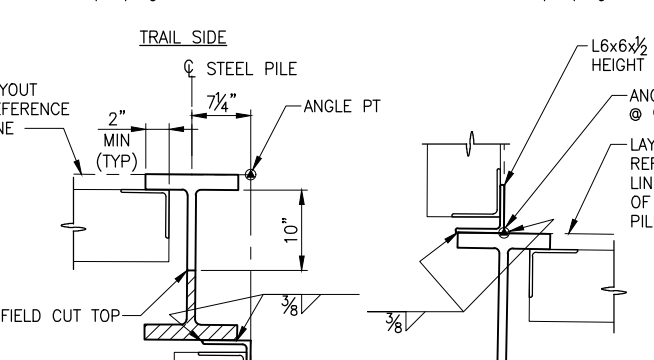
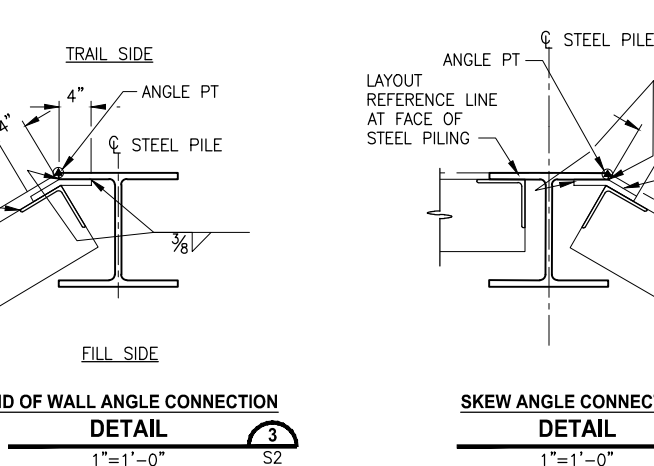
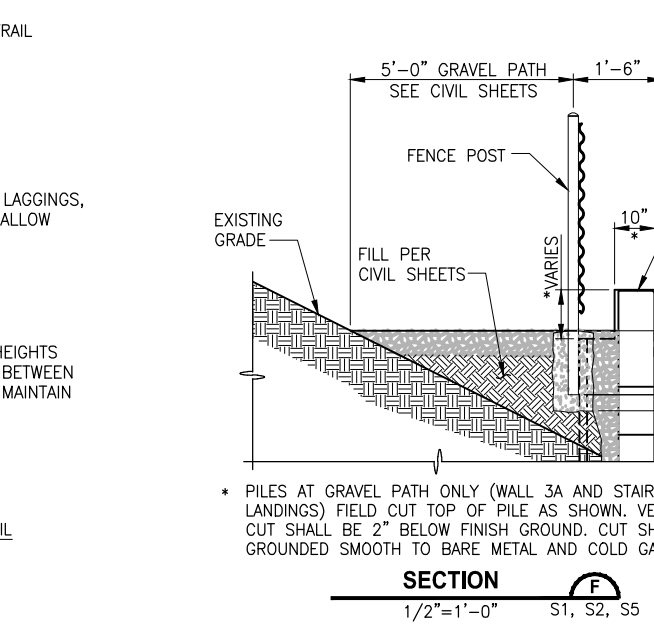
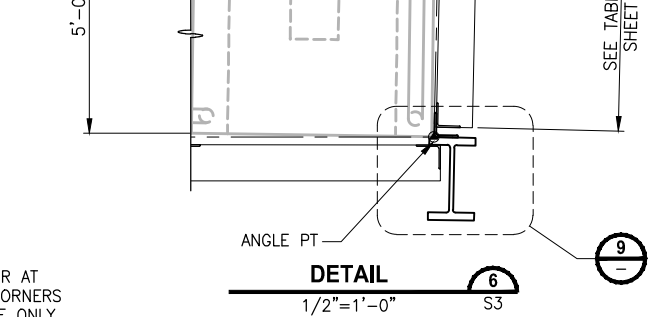
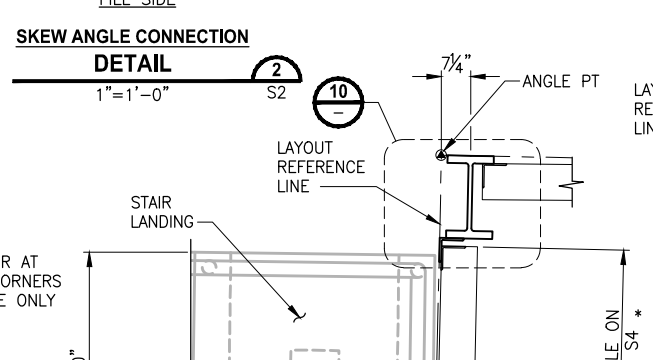
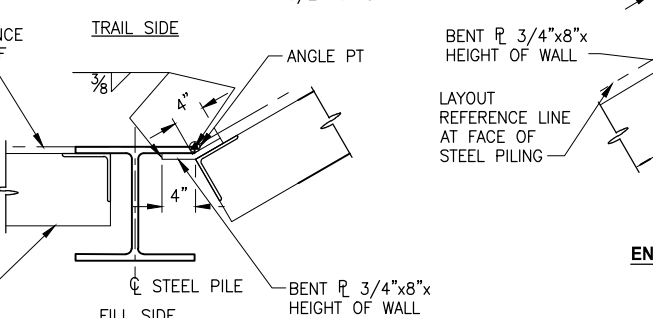
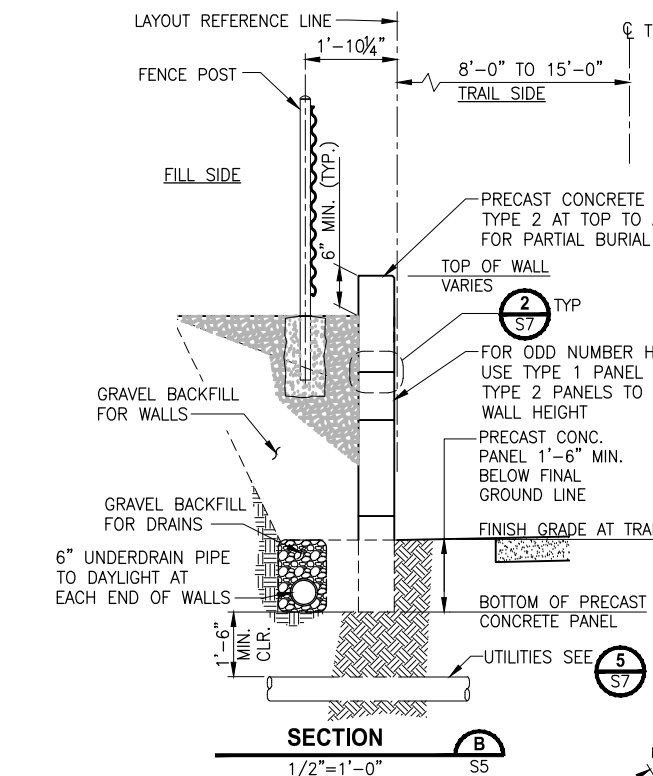
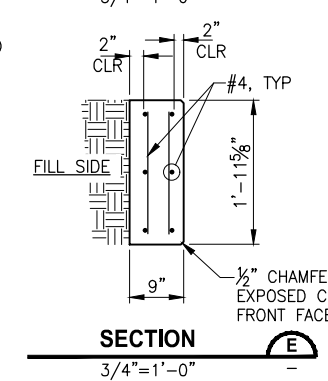
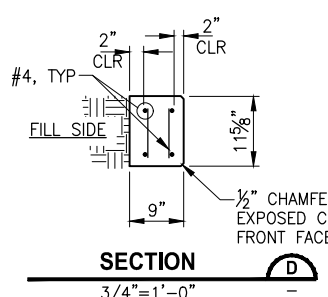
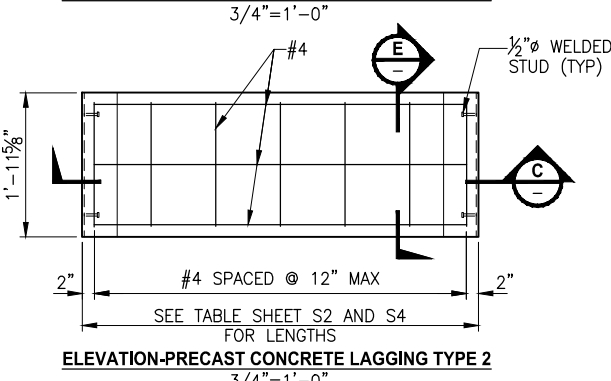
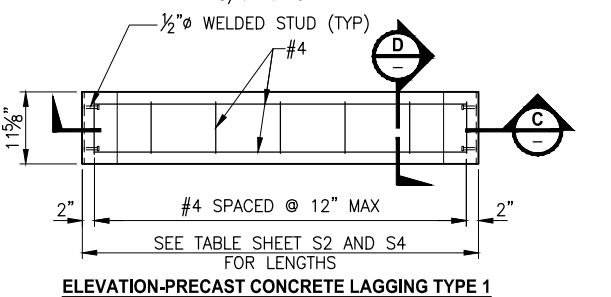
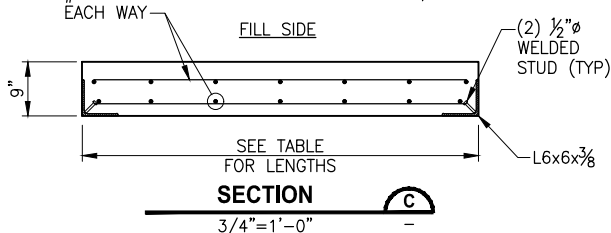
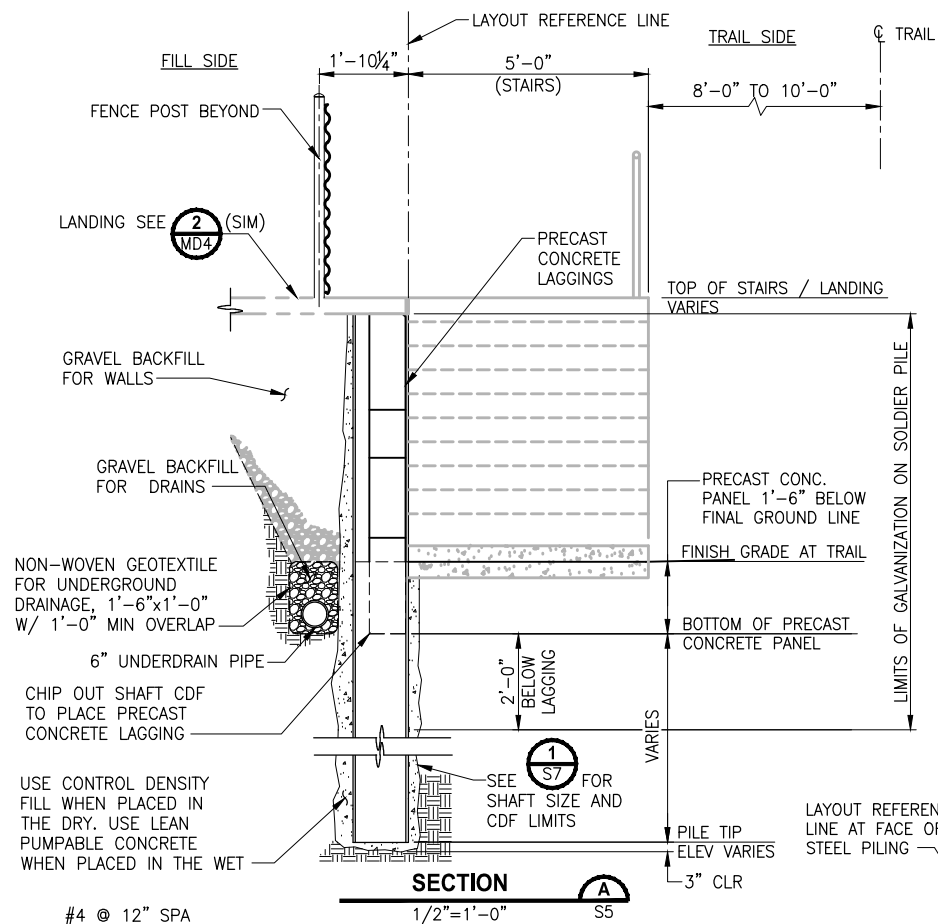
SAMMAMISH, WA

**SOLDIER PILE WALL DETAILS**

SHEET NO.  
211 OF 276

**S5**

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| City Engineer         | Date |
| Community Development | Date |

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| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | A. MENDOZA  |
|           |      |    | A. VALENCIA |
|           |      |    | R. MURRAY   |
|           |      |    | J. BAILEY   |

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FILE NAME  
BL1521075P19T03S-02

JOB No.  
554-1521-075 P19 T03

DATE  
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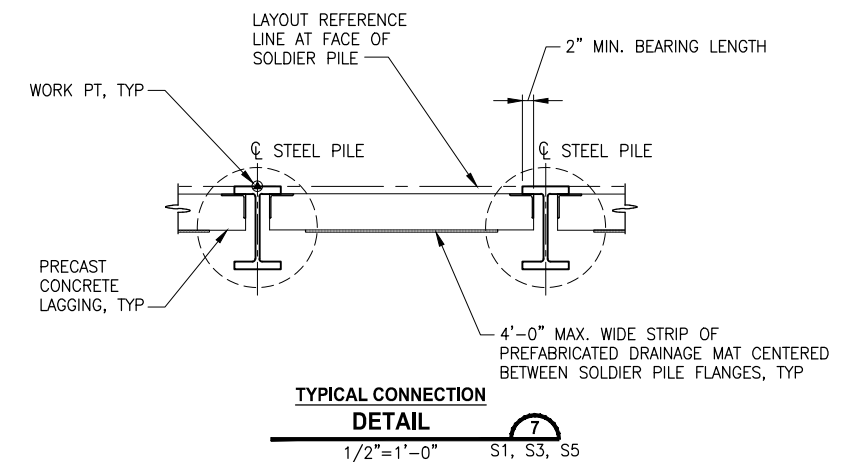
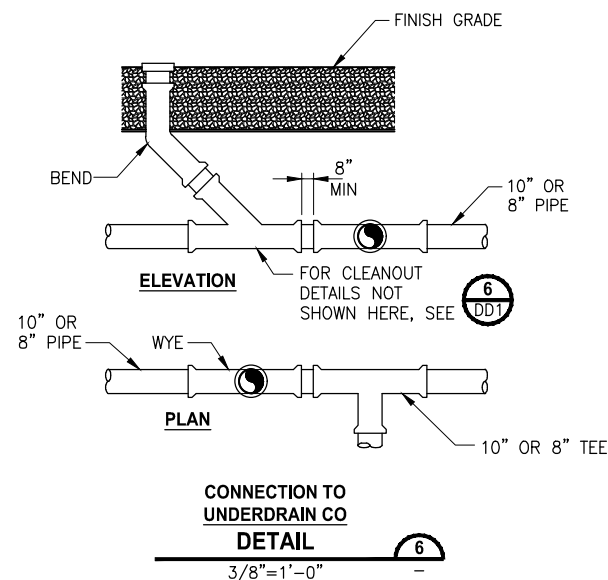
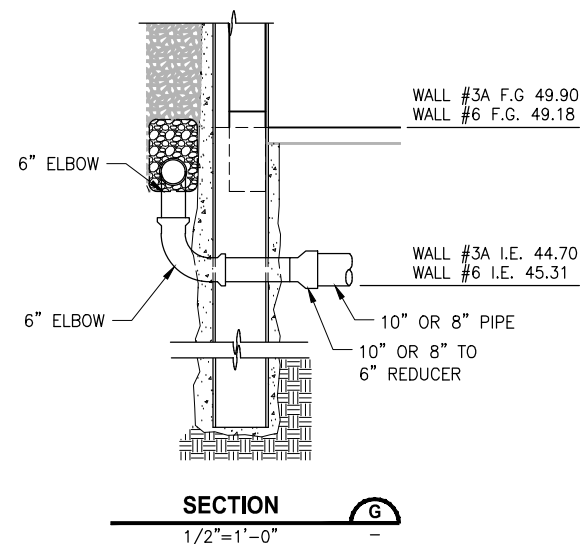
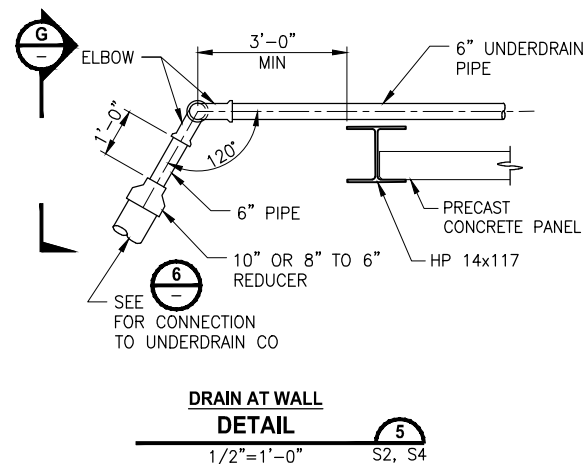
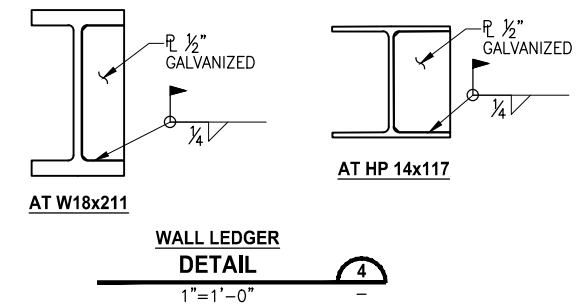
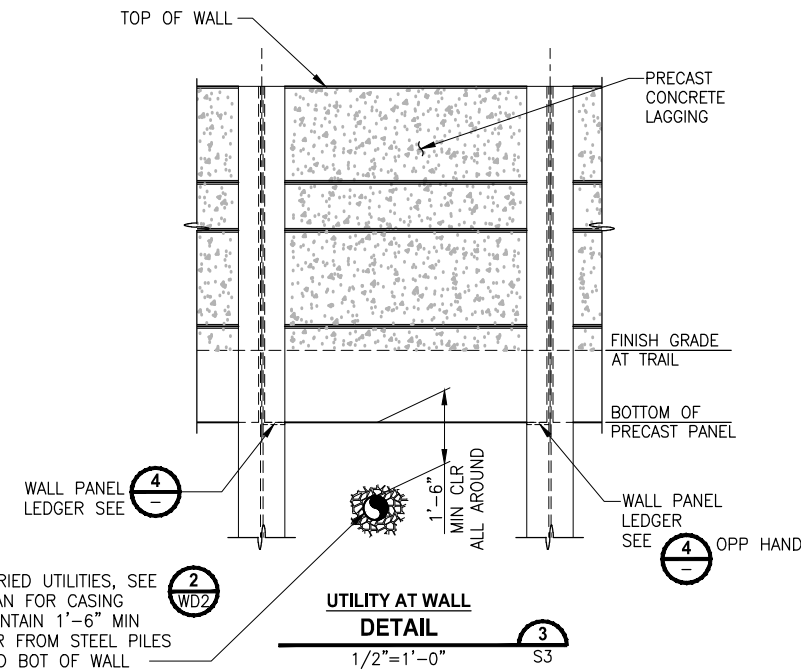
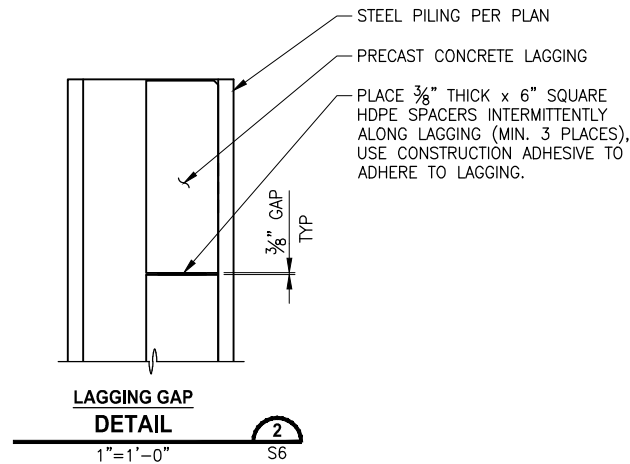
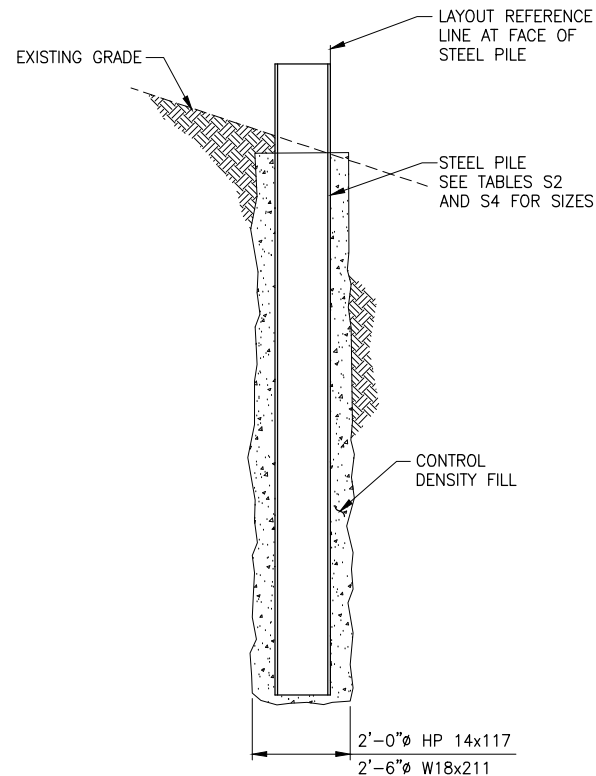
PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**SOLDIER PILE WALL DETAILS**

SHEET NO.  
212 OF 276

**S6**

PLotted BY: purgabut DATE: Friday, August 2, 2019 5:29:43 PM  
LAYOUT: S7  
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| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

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| REVISIONS | DATE | BY | DESIGNED           |
|-----------|------|----|--------------------|
|           |      |    | A. MENDOZA         |
|           |      |    | DRAWN A. VALENCIA  |
|           |      |    | CHECKED R. MURRAY  |
|           |      |    | APPROVED J. BAILEY |

|                                                   |
|---------------------------------------------------|
| ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY |
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| JOB No. 554-1521-075 P19 T03                      |
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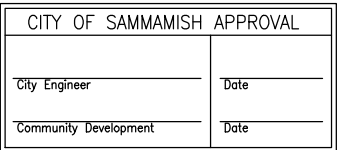
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**

SAMMAMISH, WA

**SOLDIER PILE WALL DETAILS**

SHEET NO.  
213 OF 276

**S7**



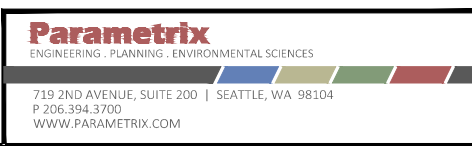
**S8**

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FILE NAME  
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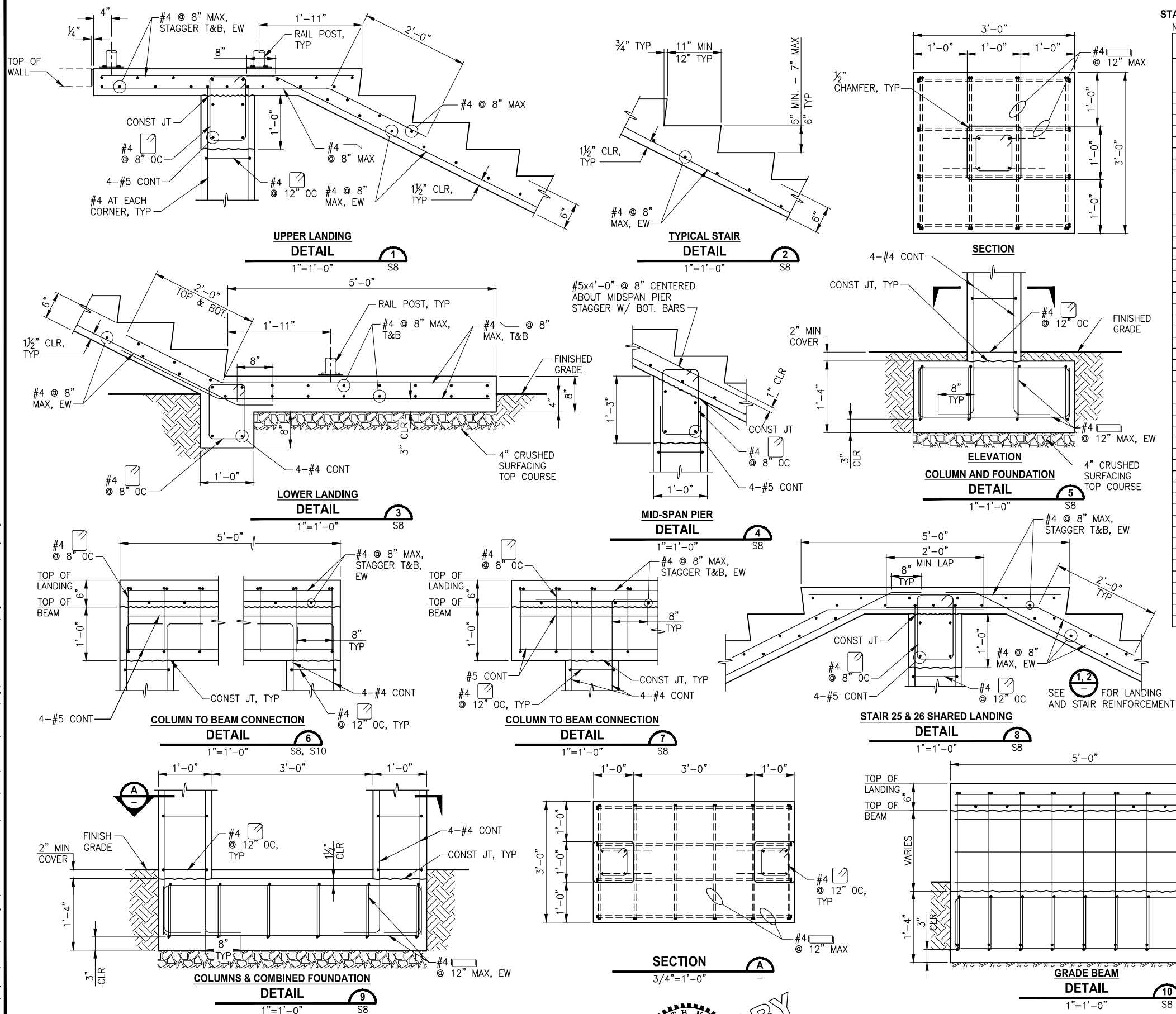
JOB No.  
554-1521-075 P19 T03

DATE  
AUGUST 2019



## CIP CONCRETE STAIR DETAILS

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# STAIR SCHEDULE:

NOTE: RISER COUNT DOES NOT INCLUDE LOWER LANDING

| Stair No. | Type                  | Number Risers | "L"          | Landing Centerline at Trail | Reference Detail | DESCRIPTION                                                                                                |
|-----------|-----------------------|---------------|--------------|-----------------------------|------------------|------------------------------------------------------------------------------------------------------------|
| 7         | "L" SHAPE (PICKERING) | 23            | L1=8' L2=12' | 299+90.05                   | 1/S10            | L Shape with 3 landings, lower part is raised and the second half is on grade (11" threads with 7" risers) |
| 8         | Parallel              | 8             | 7'           | 301+37.82                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 12        | Parallel              | 6             | 5'           | 302+63.00                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 13        | "L"                   | 22            | L1=7' L2=13' | 306+53.90                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 14        | Parallel              | 5             | 4'           | 307+11.82                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 15        | Perpendicular         | 4             | 3'           | 308+84.40                   | 2/S8, 6/S8       | Hill side short run on grade                                                                               |
| 22        | Parallel SP WALL      | 22            | 21'          | 311+75.80                   | 1/S8, 5/S8       | Straight with two landings                                                                                 |
| 23        | Parallel SP WALL      | 21            | 20'          | 312+16.88                   | 1/S8, 5/S8       | Straight with two landings                                                                                 |
| 25        | Parallel SP WALL      | 10            | 9'           | 312+74.42                   | S5, 1/S8, 8/S9   | Straight with two landings, one being shared with 26                                                       |
| 26        | Parallel SP WALL      | 11            | 10'          | 313+03.42                   | S5, 1/S8, 8/S9   | Straight with two landings, one being shared with 25                                                       |
| 28        | Parallel              | 3             | 2'           | 312+92.71                   | 1/S8, 6/S8       | Lake side next to structural earth wall                                                                    |
| 30        | "L"                   | 11            | L1=3' L2=7'  | 314+26.49                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 32        | Parallel              | 6             | 5'           | 317+65.50                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 43        | "L"                   | 13            | L1=5' L2=6'  | 344+14.23                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 45        | Parallel              | 6             | 5'           | 345+86.27                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 49        | Parallel              | 10            | 9'           | 347+26.80                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 52        | Parallel              | 9             | 8'           | 349+35.34                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 53        | "L"                   | 21            | L1=8' L2=11' | 348+52.18                   | 4/S8             | Hill side next to gravity block wall                                                                       |
| 55        | "L"                   | 18            | L1=11' L2=6' | 350+19.83                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 56        | "L"                   | 20            | L1=13' L2=5' | 351+64.19                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 57        | "L"                   | 20            | L1=12' L2=6' | 350+19.83                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 58        | Parallel              | 10            | 9'           | 357+22.66                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 59        | Parallel              | 9             | 8'           | 358+95.20                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 60        | Parallel              | 7             | 6'           | 360+40.59                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 63        | Parallel              | 9             | 8'           | 373+52.32                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 64        | Parallel              | 5             | 4'           | 375+03.43                   | 1/S8             | Lake side next to structural earth wall (extended landing)                                                 |
| 69        | Perpendicular         | 17            | 16'          | 448+23.21                   | 2/S8, 5/S8       | Lake side next to structural earth wall                                                                    |
| 71        | Parallel              | 3             | 2'           | 448+74.23                   | 1/S8, 6/S8       | Lake side next to structural earth wall                                                                    |
| 72        | Parallel              | 9             | 8'           | 450+18.69                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 73        | Parallel              | 8             | 7'           | 451+38.94                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 77        | Perpendicular         | 6             | 5'           | 454+36.96                   | 2/S8             | Lake side next to structural earth wall                                                                    |
| 78        | "L"                   | 13            | L1=1' L2=10' | 454+68.41                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 79        | Perpendicular         | 9             | 8'           | 456+03.43                   | 2/S8             | Lake side next to structural earth wall                                                                    |
| 80        | Perpendicular         | 5             | 4'           | 456+22.92                   | 2/S8             | Hill side short run on grade                                                                               |
| 81        | Parallel              | 13            | 12'          | 456+79.20                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 83        | Parallel              | 12            | 11'          | 457+64.00                   | 1/S8             | Straight with two landings on grade                                                                        |
| 86        | "L"                   | 11            | L1=3' L2=6'  | 462+51.83                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 89        | "L"                   | 12            | L1=5' L2=5'  | 463+66.83                   | 3/S8             | On hill side on grade next to SEW wall                                                                     |
| 90        | Parallel              | 11            | 10'          | 465+16.82                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 91        | "L"                   | 15            | L1=5' L2=8'  | 467+01.85                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 25A       | Parallel              | 4             | 3'           | 312+90.60                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 26A       | "L"                   | 10            | L1=5' L2=3'  | 313+09.96                   | 4/S8             | Lake side next to structural earth wall                                                                    |
| 35A       | Parallel              | 8             | 7'           | 330+19.12                   | 1/S8             | On hill side on grade next to SEW wall                                                                     |
| 51A       | Parallel              | 7             | 6'           | 348+18.92                   | 1/S8             | Lake side next to structural earth wall                                                                    |
| 56A       | Perpendicular         | 3             | 2'           | 352+62.32                   | 2/S8, 6/S8       | Lake side next to structural earth wall                                                                    |
| 58        | Parallel SP WALL      | 18            | 17'          | 298+00.49                   | 1/S8, 5/S8       | Straight with two landings                                                                                 |

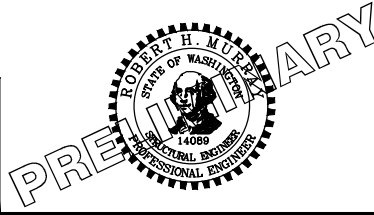
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| CITY OF SAMMAMISH APPROVAL |      |
| City Engineer              | Date |
| Community Development      | Date |

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NOT FOR CONSTRUCTION

| REVISIONS | DATE | BY | DESIGNED           |
|-----------|------|----|--------------------|
|           |      |    | A. MENDOZA         |
|           |      |    | A. VALENCIA        |
|           |      |    | CHECKED R. MURRAY  |
|           |      |    | APPROVED J. BAILEY |

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY

FILE NAME: BL1521075P19T03S-10  
JOB No.: 554-1521-075 P19 T03  
DATE: AUGUST 2019



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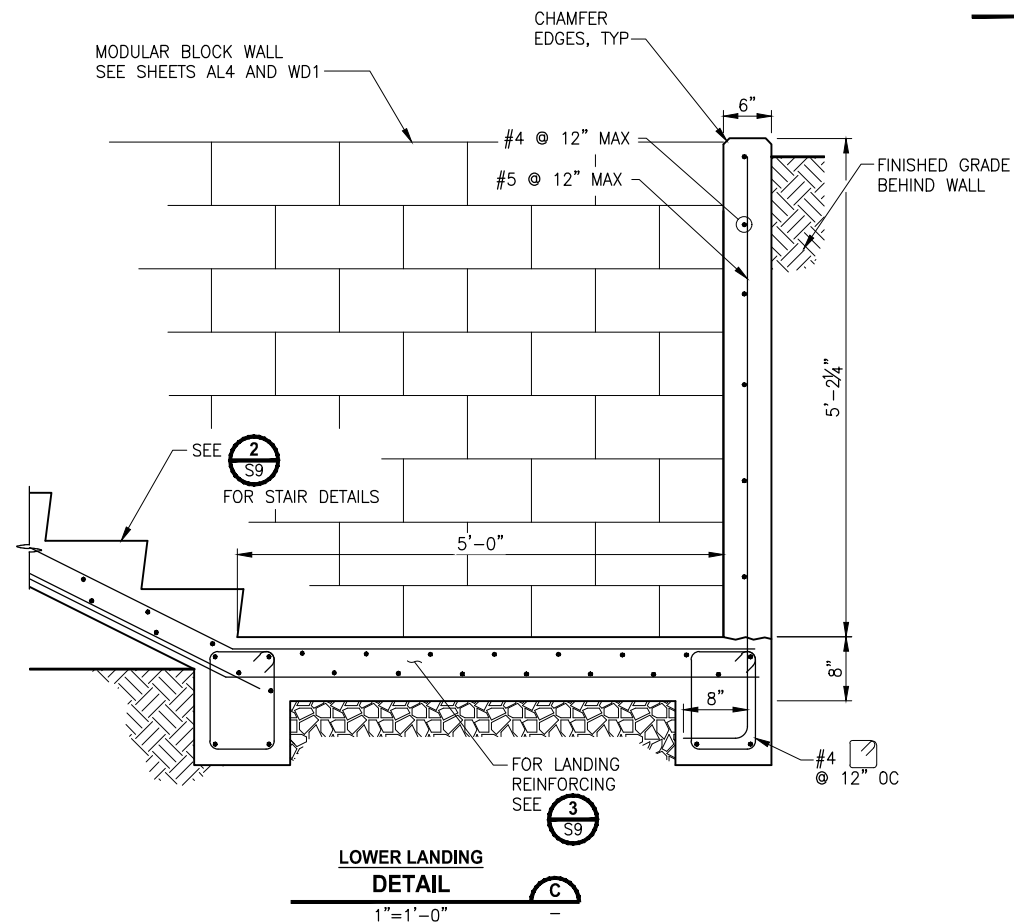
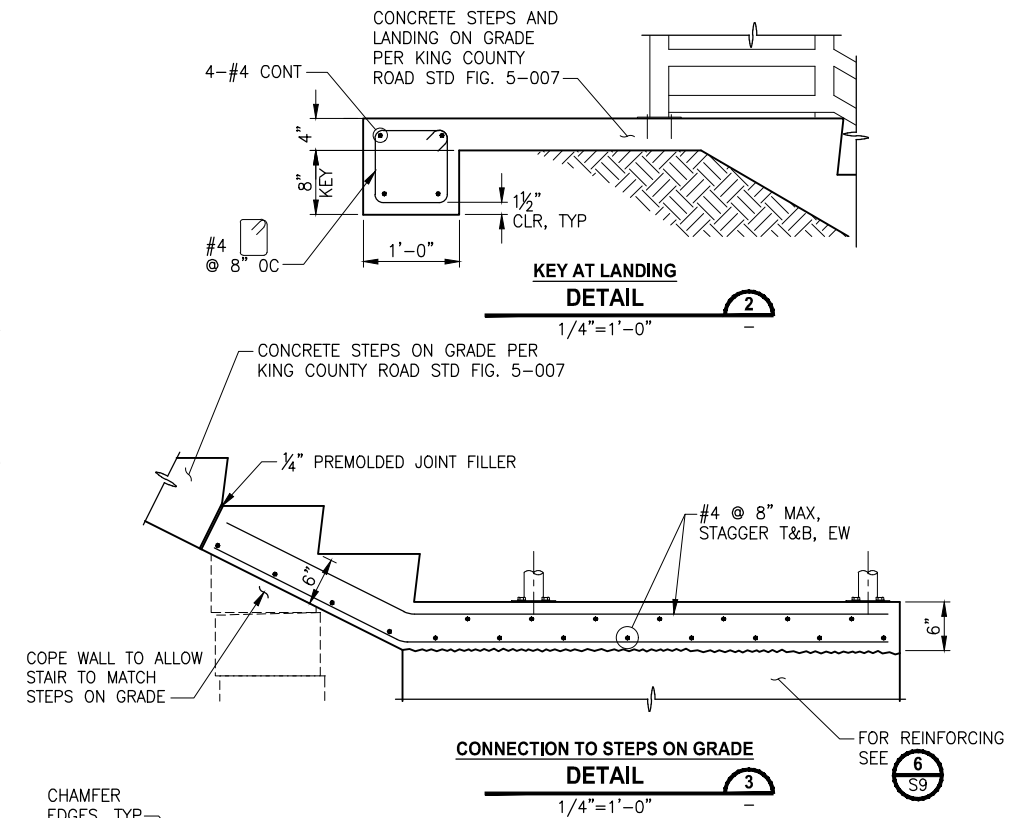
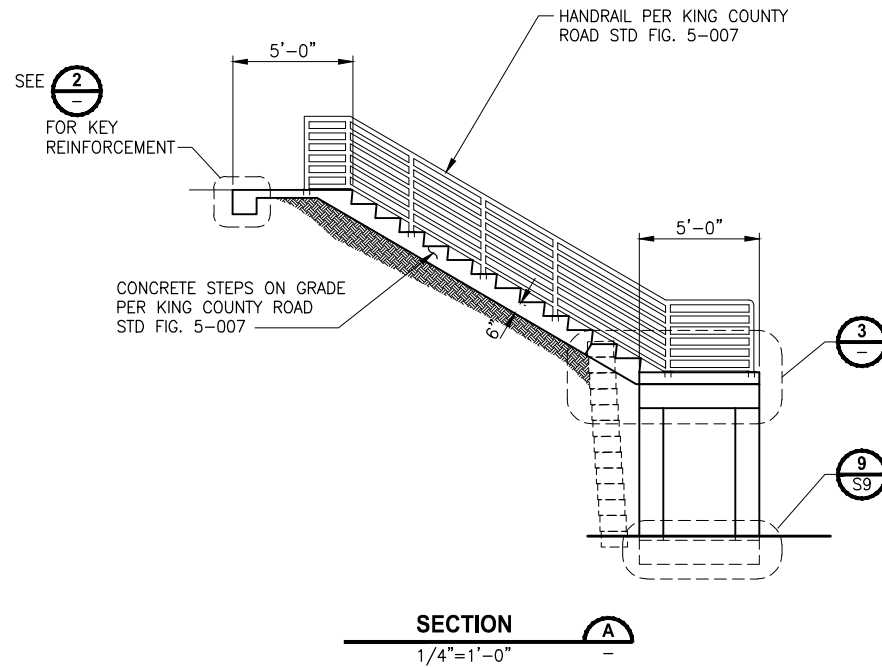
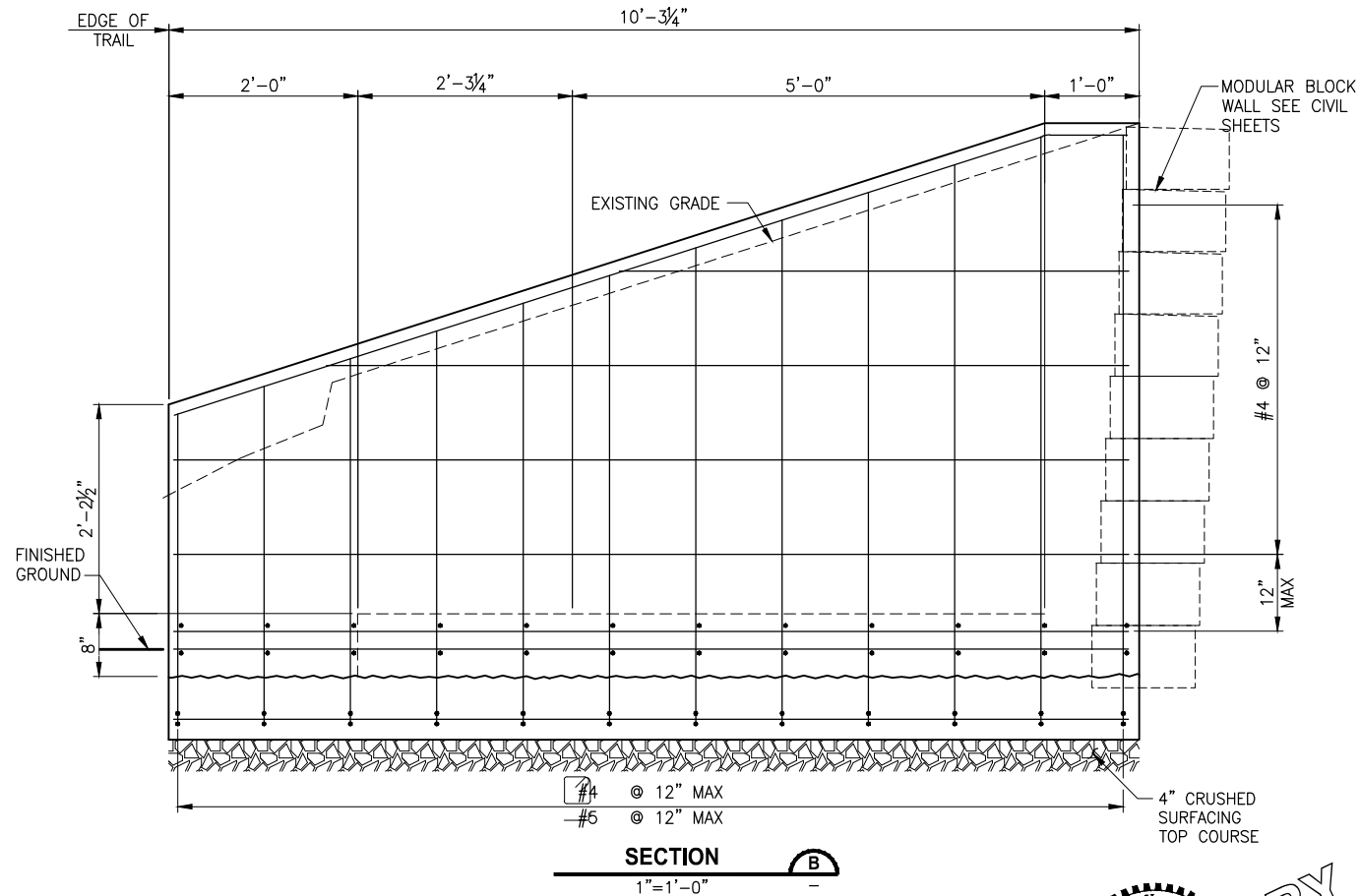
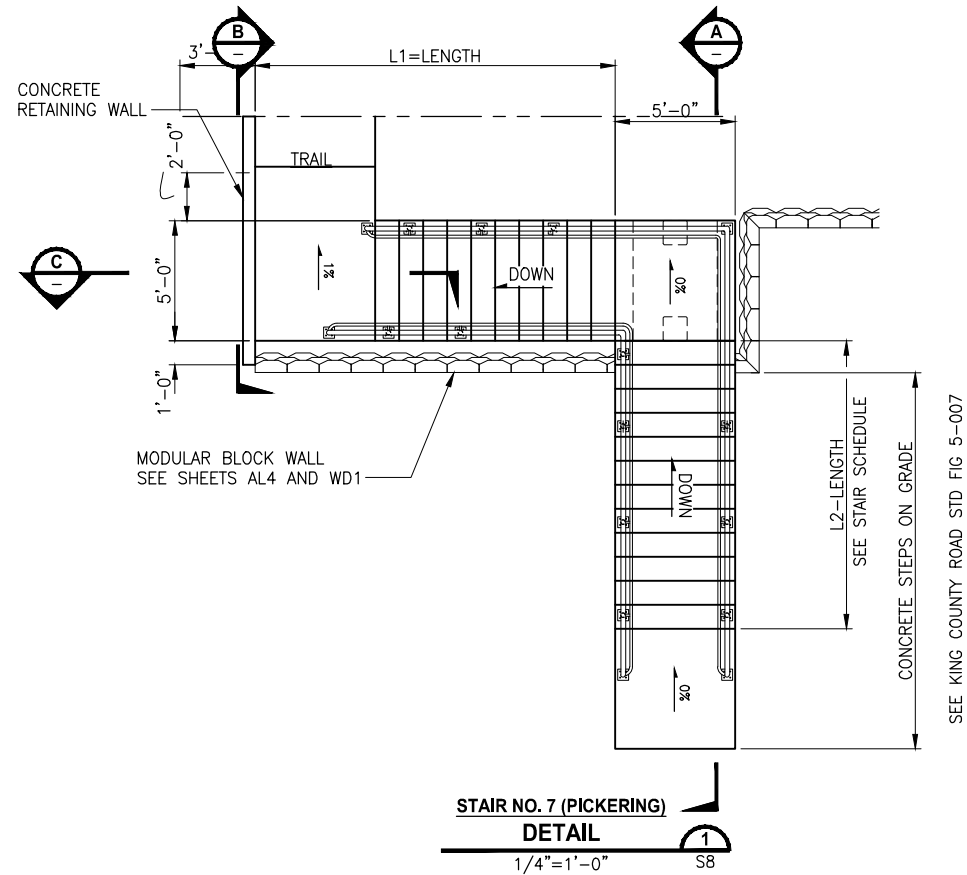
PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**CIP CONCRETE STAIR DETAILS**

SHEET NO.  
215 OF 276

**S9**

PATH: U:\P50\Projects\Clients\1521-KingCo\554-1521-075-ELST\985\EST\CADD\Phase 19\T03\_Civil\DWG\ PLOTTED BY: purgebut DATE: Friday, August 2, 2019 5:30:03 PM LAYOUT: S10



| CITY OF SAMMAMISH APPROVAL |      |
|----------------------------|------|
| City Engineer              | Date |
| Community Development      | Date |

95 % REVIEW SUBMITTAL  
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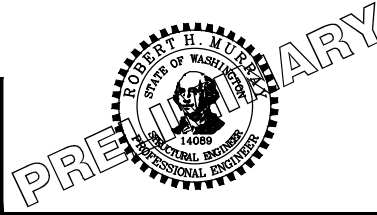
| REVISIONS | DATE | BY | DESIGNED    |
|-----------|------|----|-------------|
|           |      |    | A. MENDOZA  |
|           |      |    | A. VALENCIA |
|           |      |    | R. MURRAY   |
|           |      |    | J. BAILEY   |

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PROJECT NAME  
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MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B**  
SAMMAMISH, WA

**STAIR NO. 7 DETAILS**

SHEET NO.  
216 OF 276

**S10**