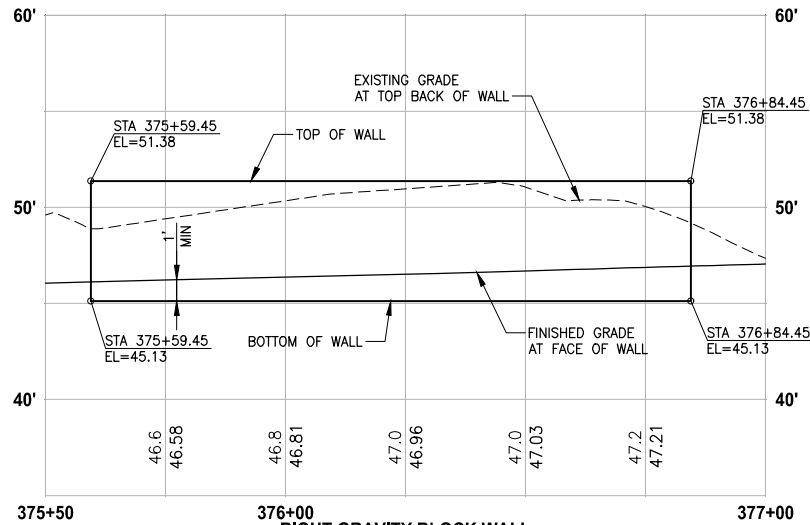
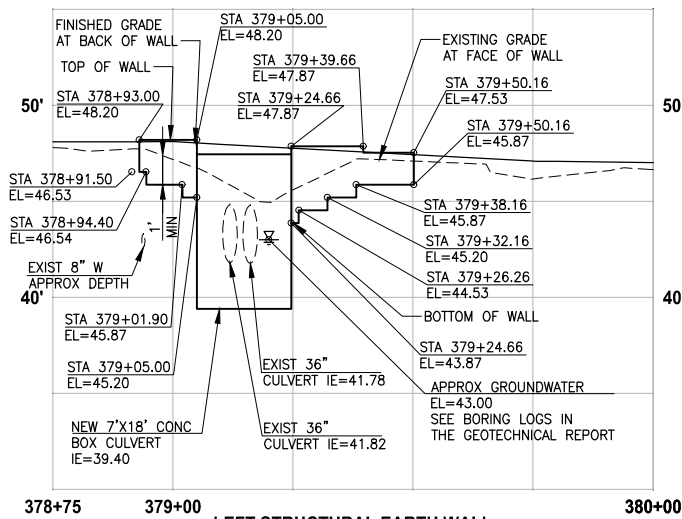


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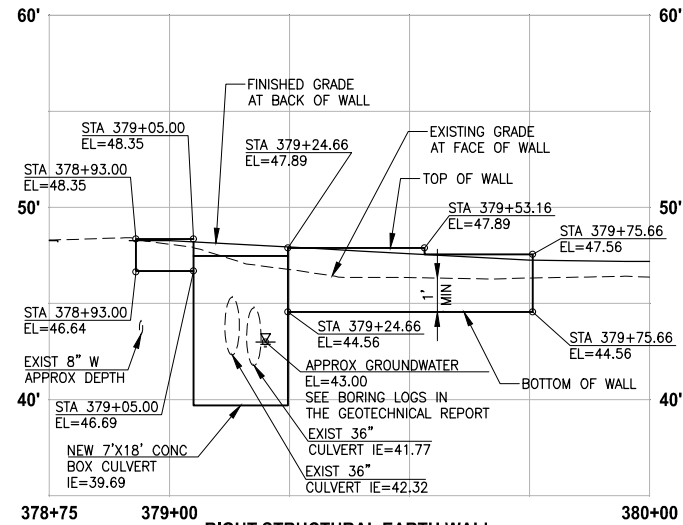
**RIGHT GRAVITY BLOCK WALL  
WALL #17 (CUT) C-LINE**

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



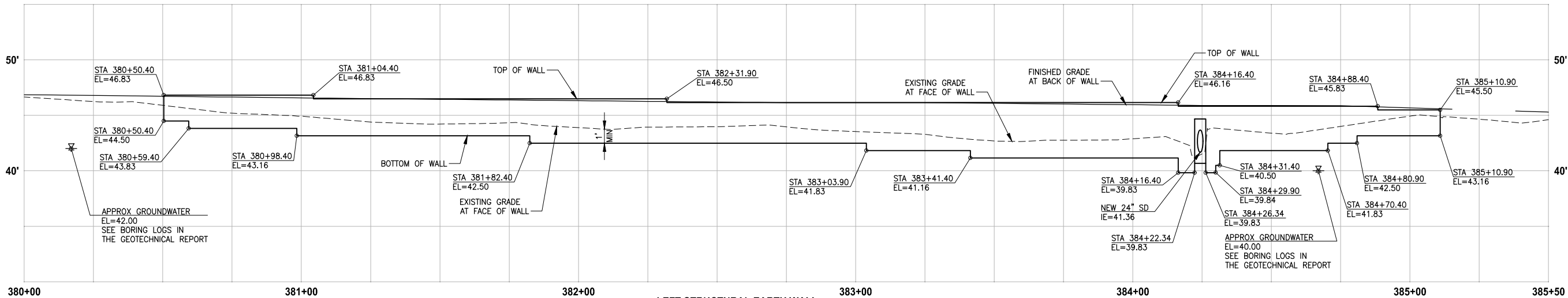
**LEFT STRUCTURAL EARTH WALL  
WALL #18 (FILL) C-LINE**

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



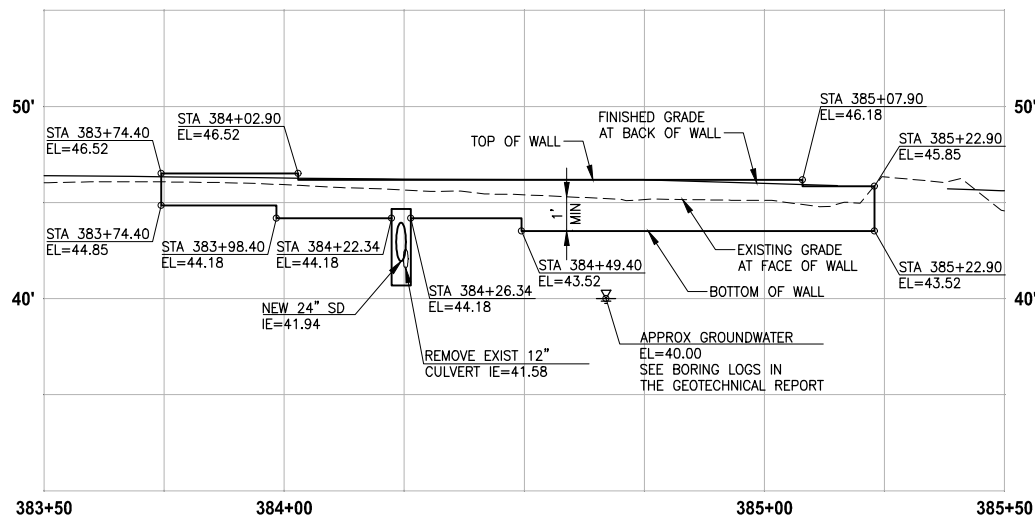
**RIGHT STRUCTURAL EARTH WALL  
WALL #19 (FILL) C-LINE**

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



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

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



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

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

#### NOTES:

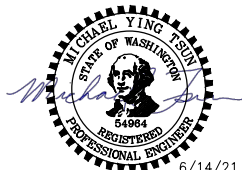
- EXISTING UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORD DRAWINGS. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTH AS AUTHORIZED BY THE ENGINEER.
- SEE SHEET WD2 FOR DETAIL OF CASING/SLEEVES FOR EXISTING UTILITIES BENEATH WALLS.
- SEE DETAIL OF CONCRETE HEADWALL FOR STORM PIPE/CULVERTS THROUGH STRUCTURAL EARTH WALL ON SHEET DD1.
- ELEVATIONS AT STAIRS ALONG FACE OF FILL WALL ARE 4" LOWER THAN THE TOP OF THE FILL WALL ELEVATION. SEE AL SHEETS FOR STAIR TOP AND BOTTOM ELEVATIONS.
- CONTRACTOR MUST OBTAIN A BUILDING PERMIT PRIOR TO START OF WALL CONSTRUCTION ACTIVITY. SEE SPECIAL PROVISIONS.
- SEE UT AND SD SHEETS FOR UNDERDRAIN PIPES AND CLEANOUT LOCATIONS AND PROFILES.
- EXISTING PRIVATE OWNER UTILITIES LOCATIONS SHOWN ON UT SHEETS ARE APPROXIMATE AND BASED ON OWNER COMMENTS. THERE IS NO VERTICAL ELEVATION INFORMATION. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH AS AUTHORIZED BY THE ENGINEER.

#### CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW

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17 February 2022

CONFORMED DRAWINGS



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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2**

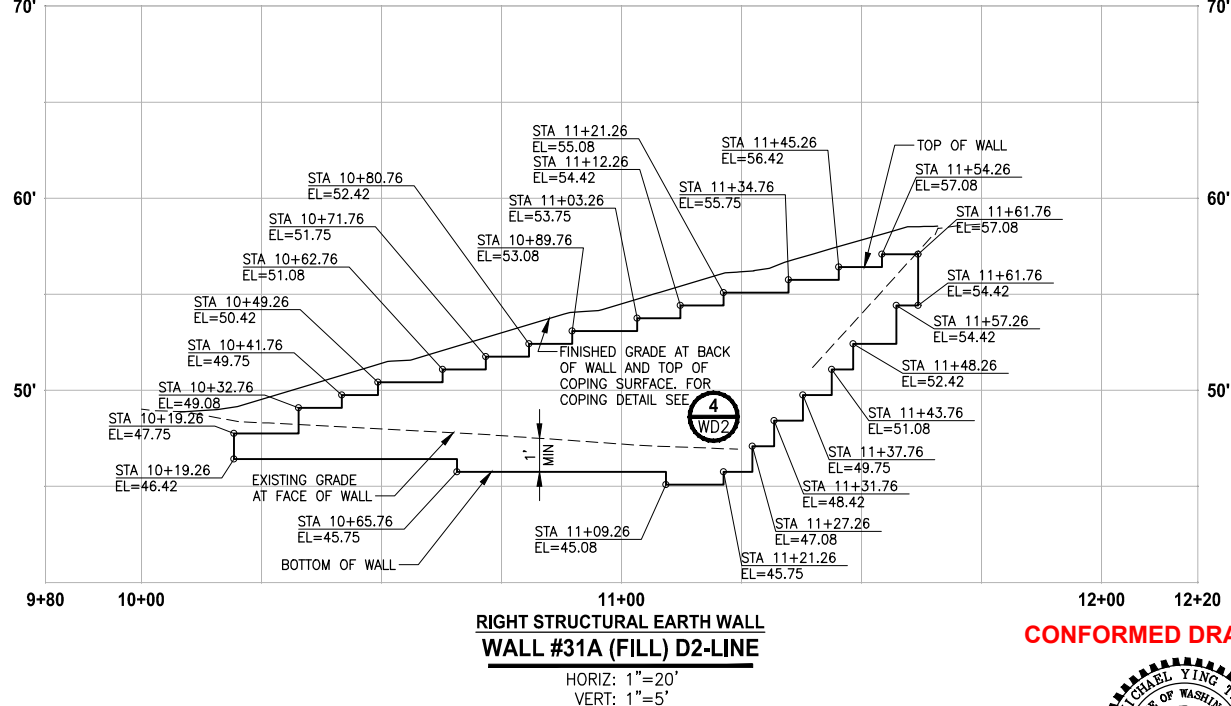
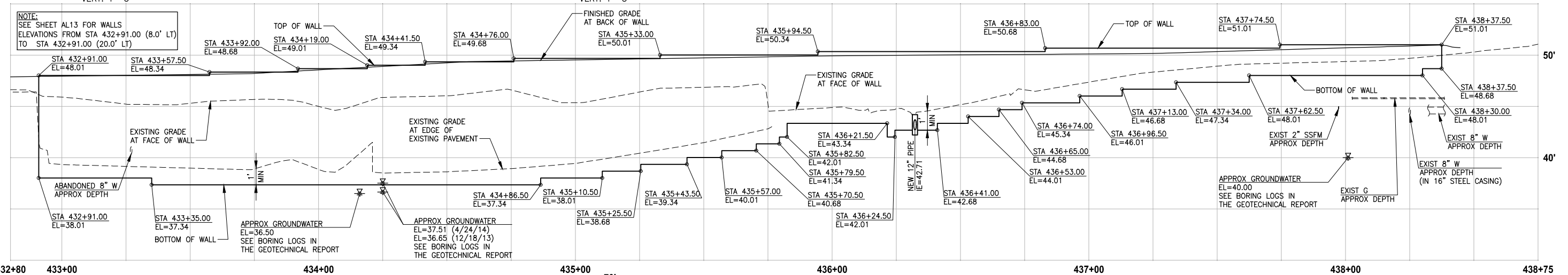
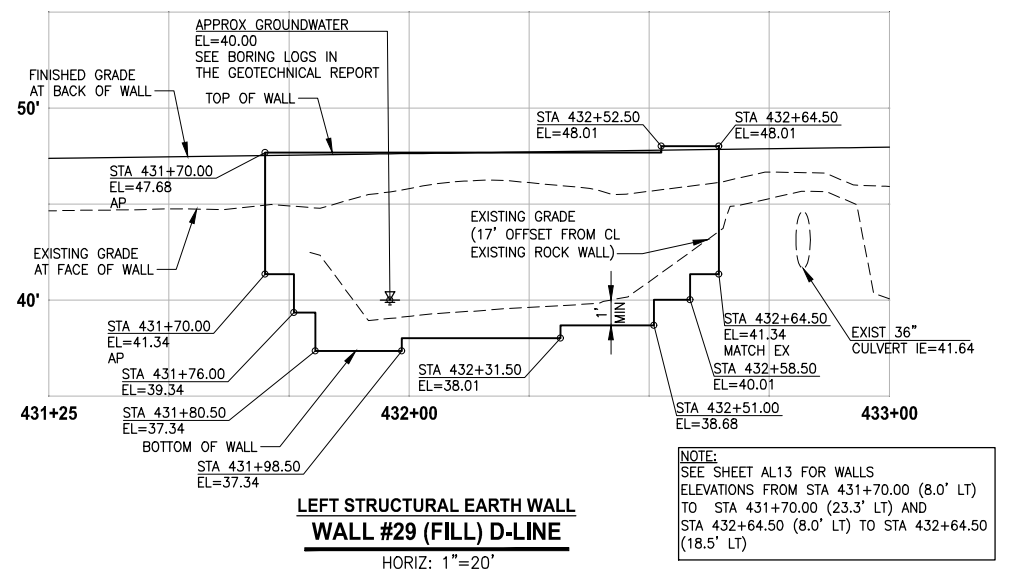
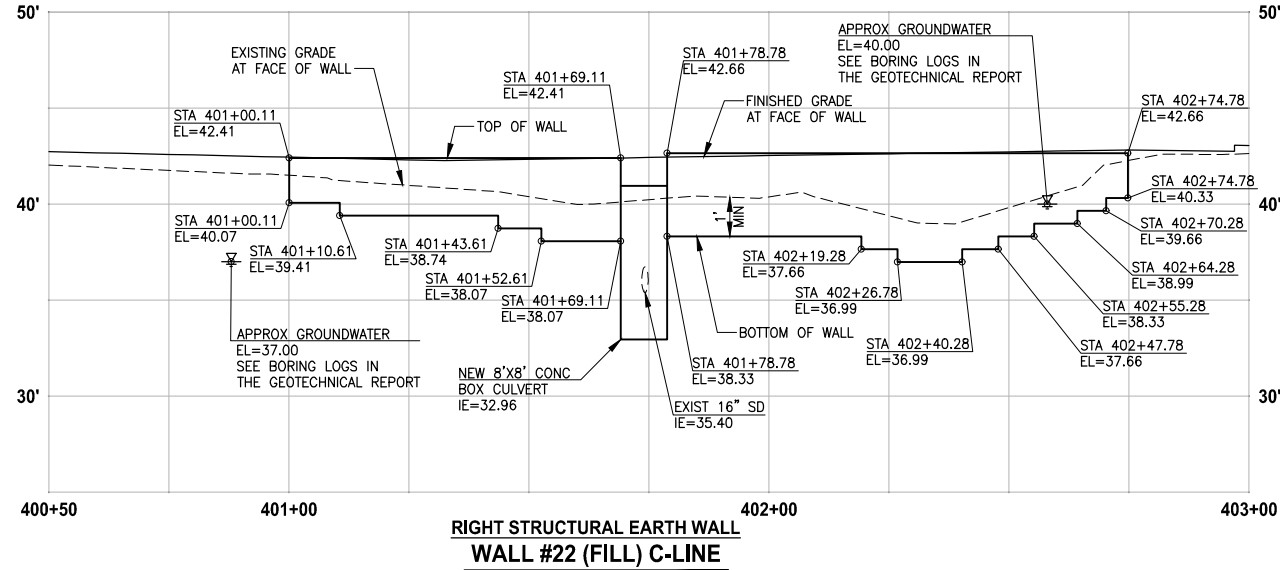
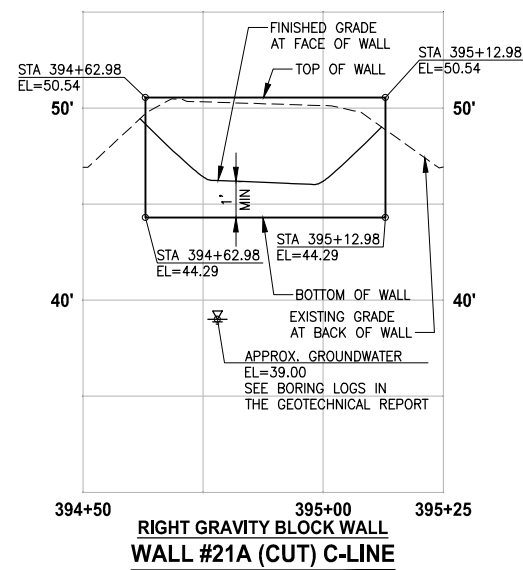
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
110 OF 213

**WP1**

PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\99Sec\CADD\Phase 19\T03 Civil\Wg-Phase2\ PLOTTED BY: purgaban DATE: Monday, June 14, 2021 5:36:15 PM LAYOUT: WP2



#### NOTES:

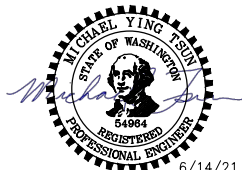
- EXISTING UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE RECORD DRAWINGS. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTH AS AUTHORIZED BY THE ENGINEER.
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17 February 2022

CONFORMED DRAWINGS



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FILE NAME: BL1521075P19T03WP-01  
JOB No.: 554-1521-075 P19 T03  
DATE: JUNE 2021

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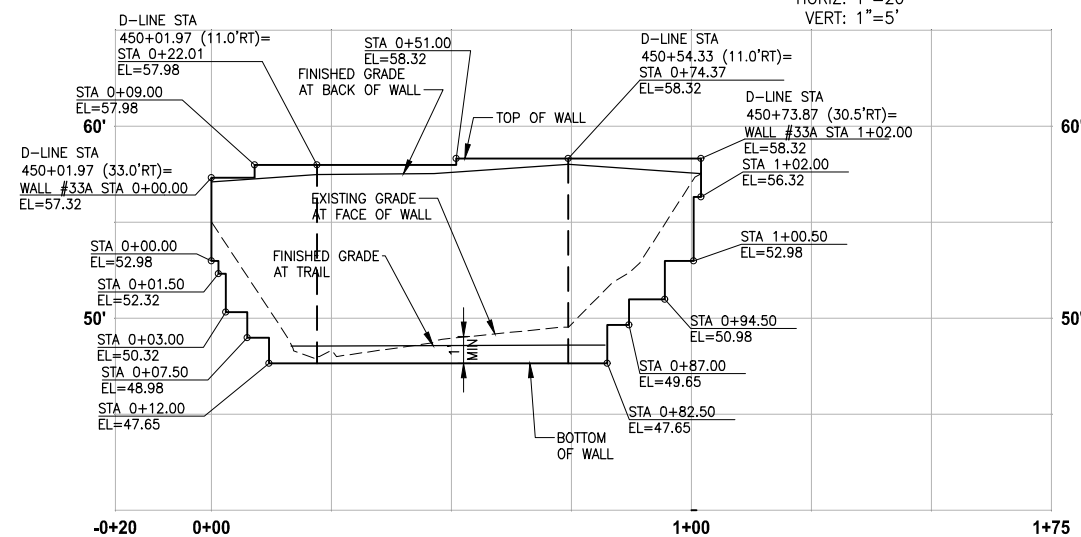
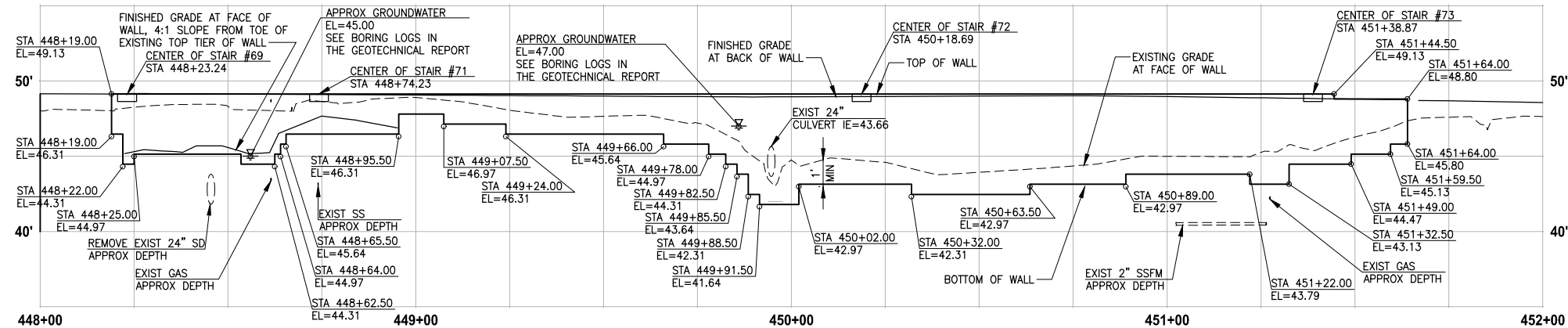
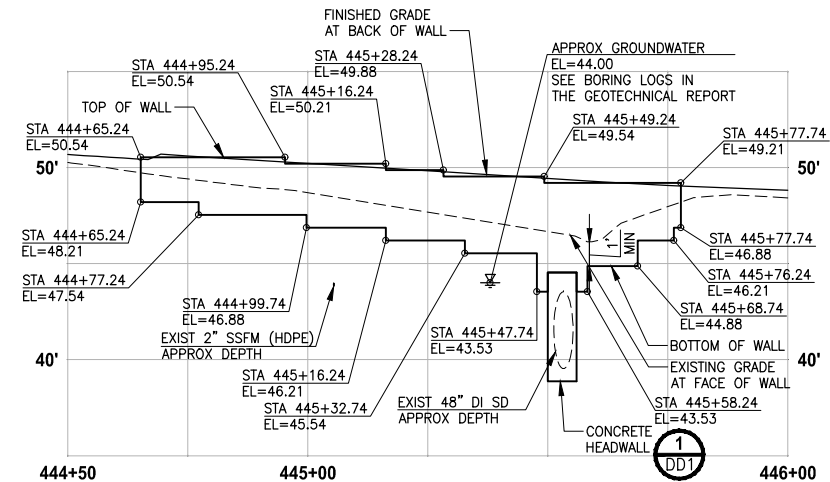
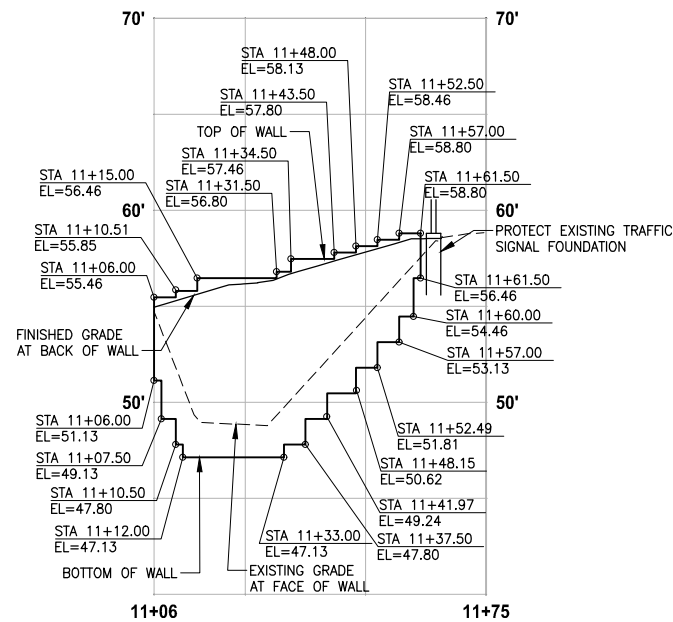
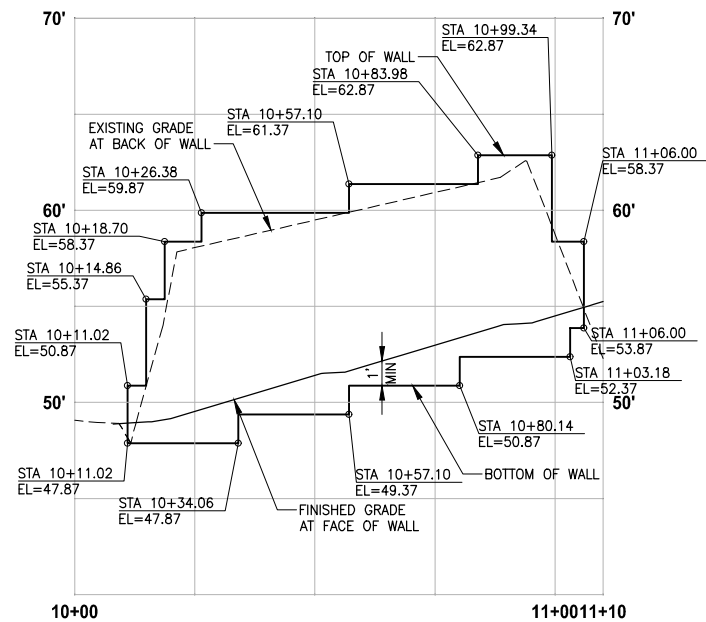
PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2**  
SAMMAMISH, WA

**WALL PROFILES**

SHEET NO.  
111 OF 213

**WP2**



## CONFORMED DRAWINGS



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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2**

CITY OF SAMMAMISH PUBLIC WORKS  
DEVELOPMENT REVIEW

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CITY OF SAMMAMISH APPROVAL

City Engineer

ate

Community Development

ate

## WALL PROFILES

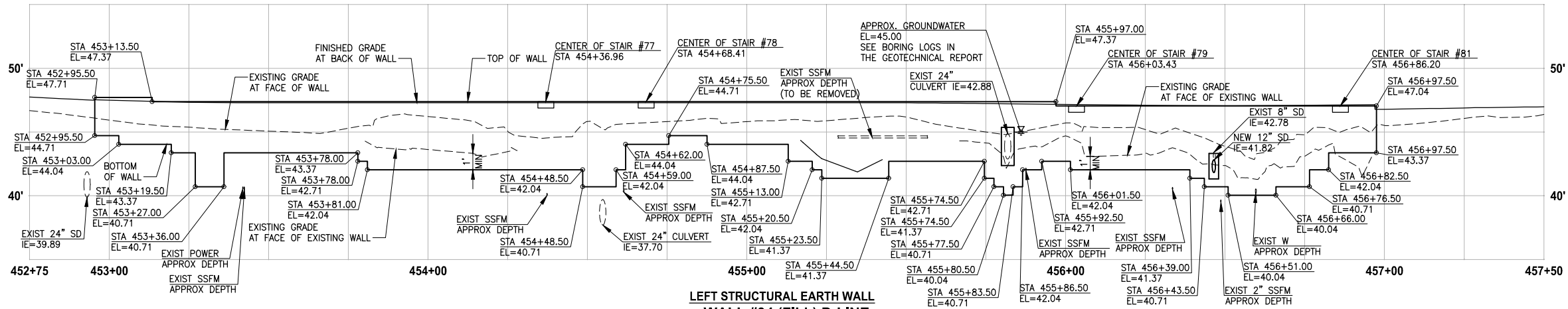
SHEET NO.  
12 OF 213

### NP3

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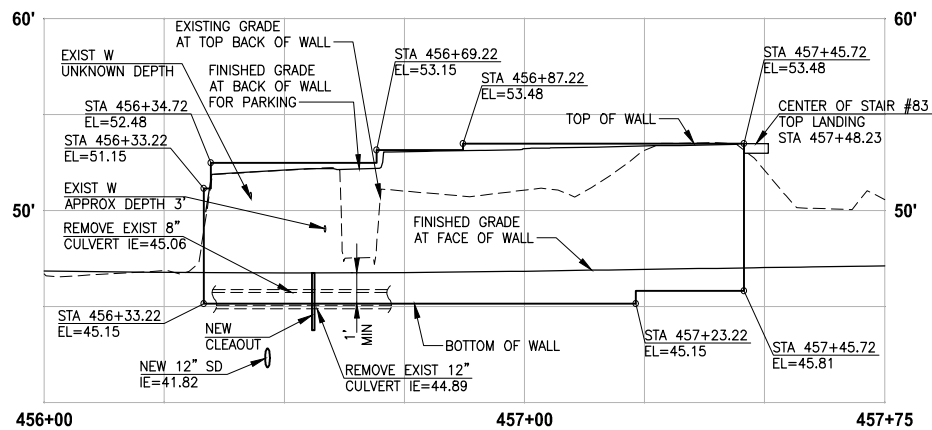


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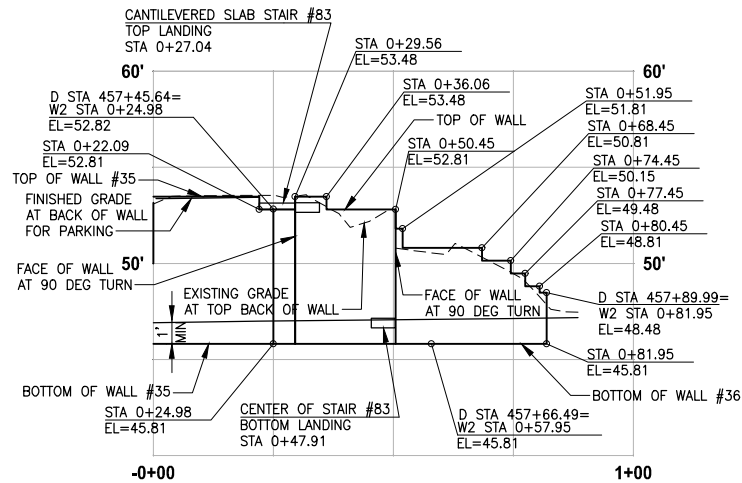
LEFT STRUCTURAL EARTH WALL  
WALL #34 (FILL) D-LINE

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



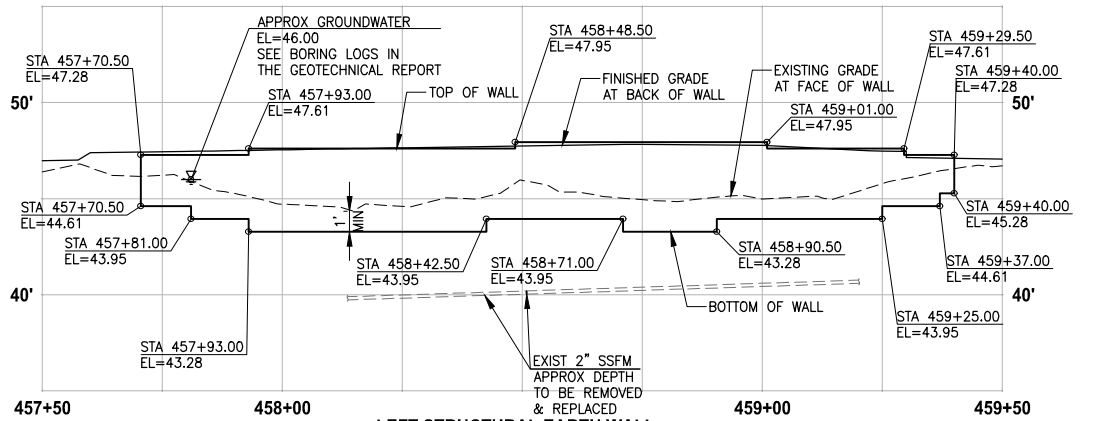
RIGHT STRUCTURAL EARTH WALL  
WALL #35 (FILL) D-LINE

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



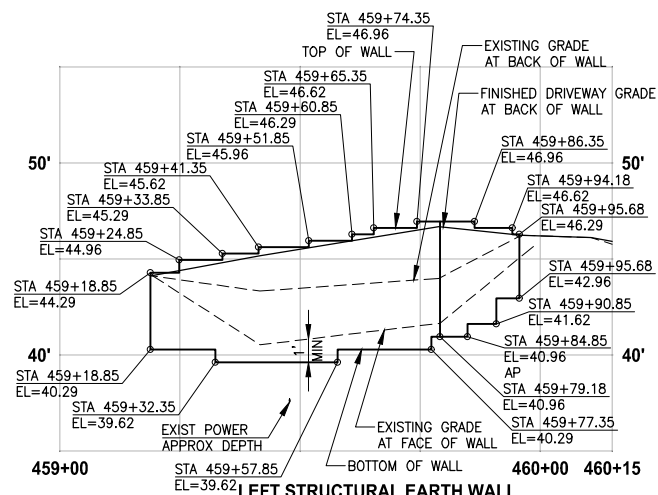
RIGHT STRUCTURAL EARTH WALL  
WALL #36 (FILL) D-LINE REFERENCE

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



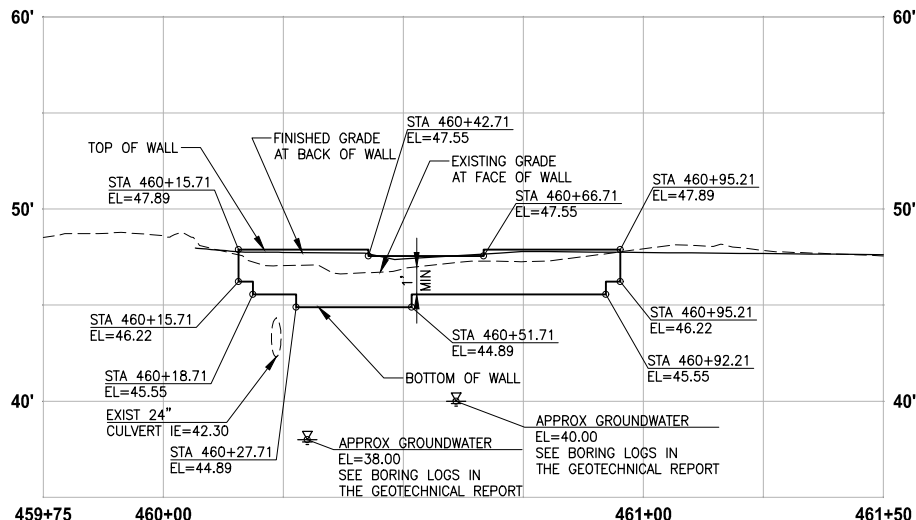
LEFT STRUCTURAL EARTH WALL  
WALL #37 (FILL) D-LINE

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



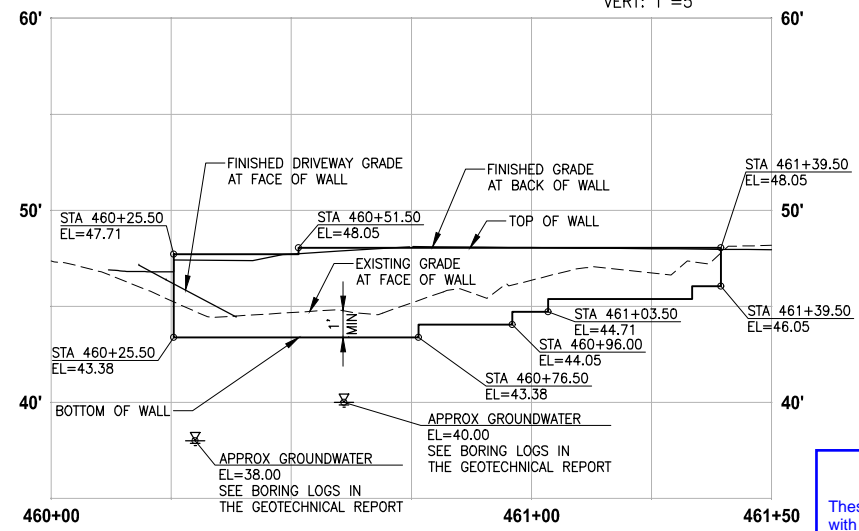
LEFT STRUCTURAL EARTH WALL  
WALL #38 (FILL) D-LINE

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 PUBLIC WORKS  
DEVELOPMENT REVIEW

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17 February 2022

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

ONE INCH AT FULL SCALE.  
IF NOT, SCALE ACCORDINGLY  
FILE NAME  
BL1521075P19T03WP-01  
JOB No.  
554-1521-075 P19 T03  
DATE  
JUNE 2021



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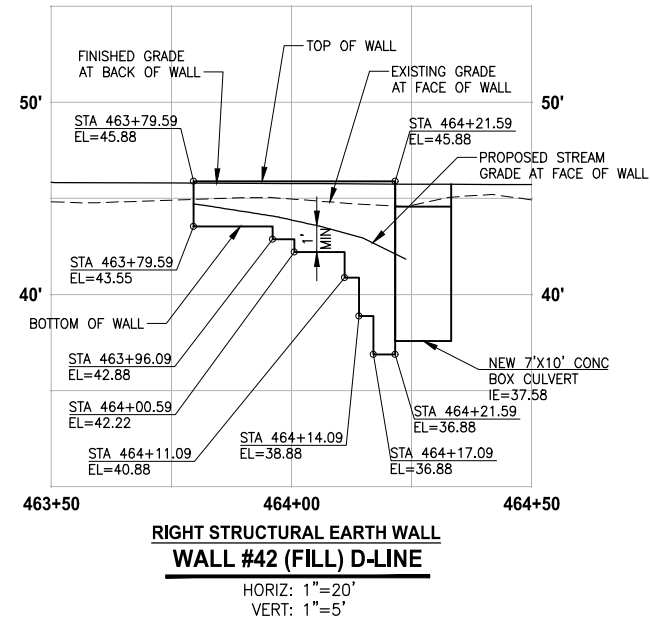
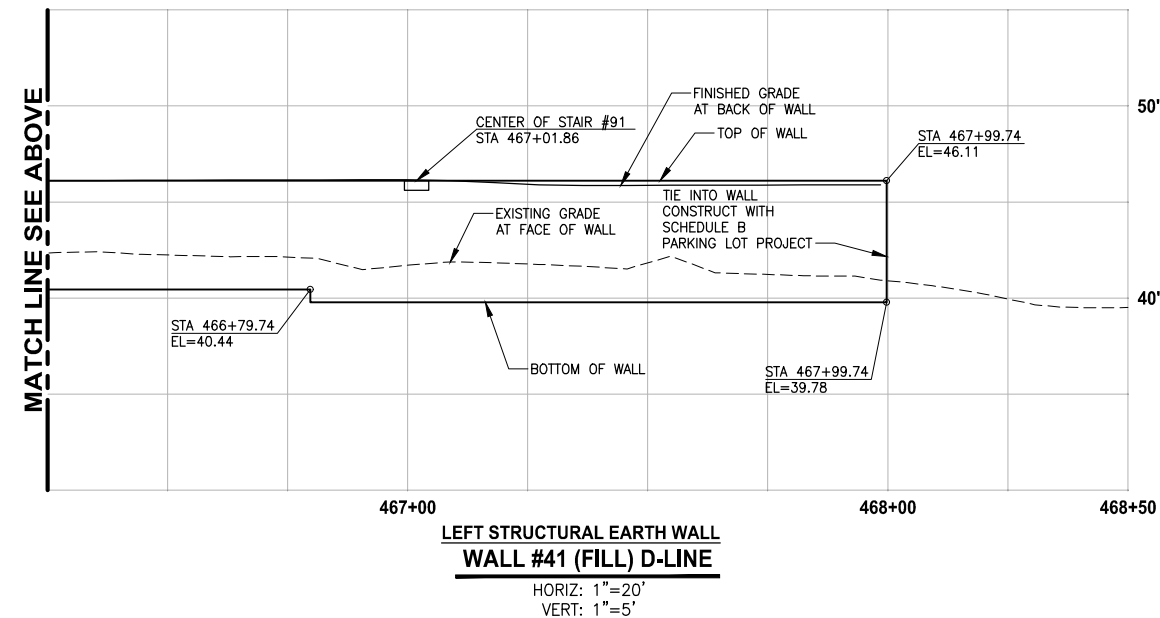
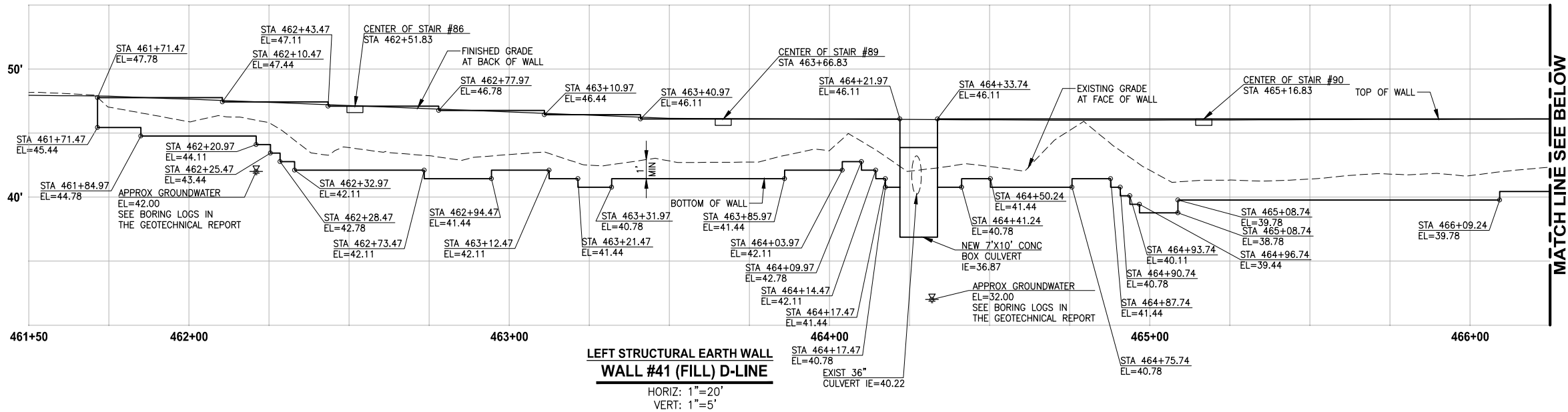
PROJECT NAME  
EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2  
SAMMAMISH, WA

WALL PROFILES

SHEET NO.  
113 OF 213

WP4

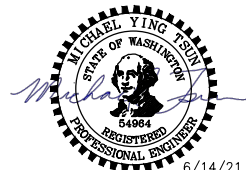
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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2**  
SAMMAMISH, WA

#### CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW

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17 February 2022

#### CITY OF SAMMAMISH APPROVAL

City Engineer

Date

Community Development

Date

**WALL PROFILES**

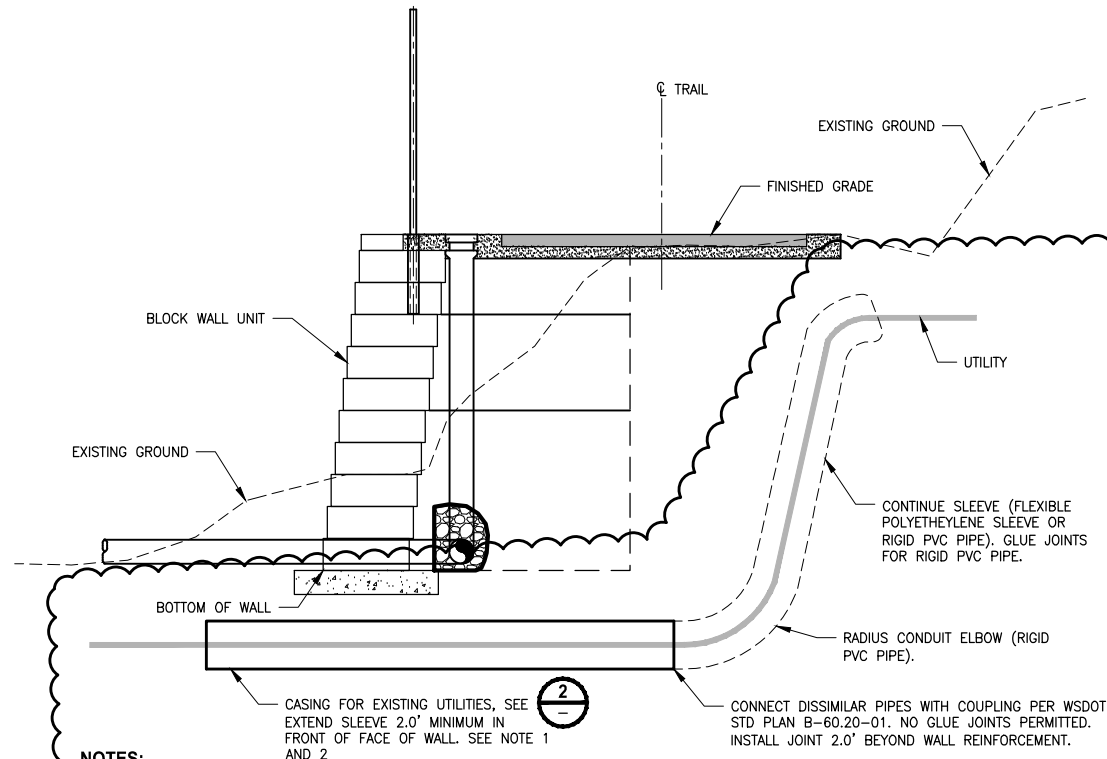
SHEET NO.  
114 OF 213

**WP5**





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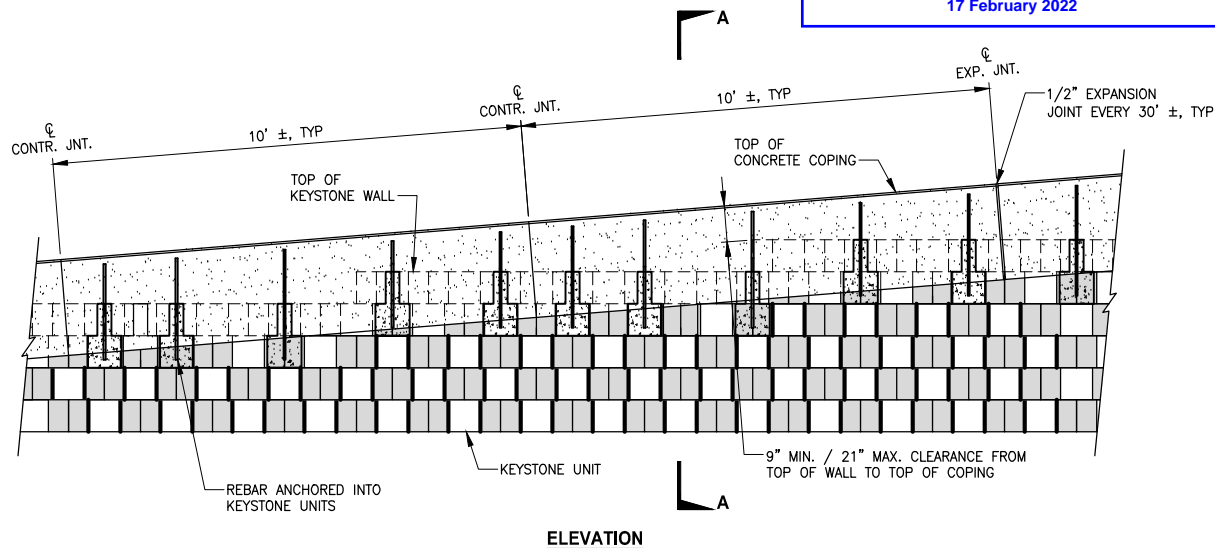
- NOTES:**
1. ACCEPTABLE CASING FOR GAS, POWER, AND PRIVATE SEWER LINES SHALL BE POLYETHYLENE OR RIDGED PVC.
  2. CASING FOR PRIVATE WATER LINE SHALL BE STEEL CASING BELOW THE WALL AND 2.0' BEYOND THE WALL REINFORCEMENT, CONTINUE CASING WITH POLYETHYLENE OR RIDGED PVC.

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

**CITY OF SAMMAMISH PUBLIC WORKS DEVELOPMENT REVIEW**

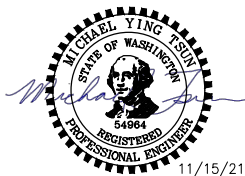
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**ELEVATION**

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



**CONFORMED DRAWINGS**

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

FILE NAME  
BL1521075P19T03WD-01

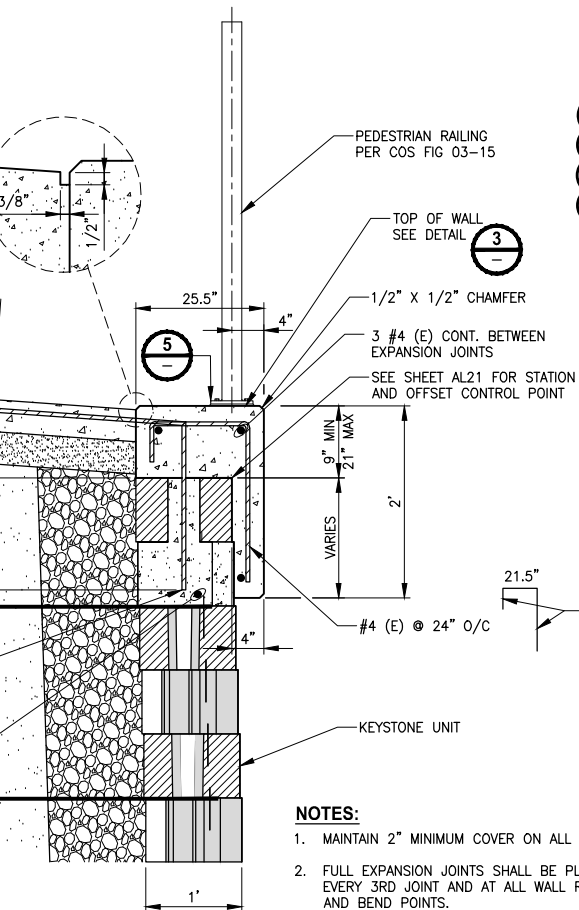
JOB No.  
554-1521-075 P19 T03

DATE  
JUNE 2021

REVISIONS	DATE	BY	DESIGNED
1	ADDENDUM 2	11/15/21	MT
			M. TSUN
			B. PURGANAN
			Y. HO
			J. BAILEY

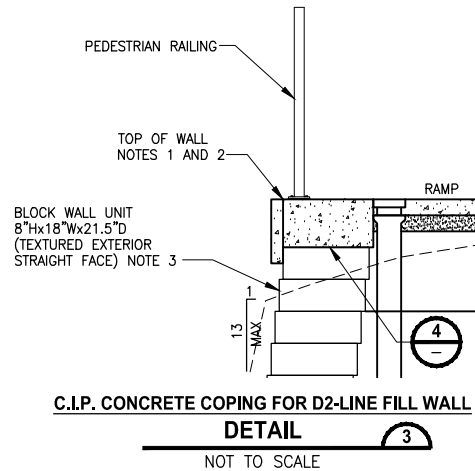
- NOTES:**
1. CASING REQUIRED FOR DISTRICT OWNED WATER, SEWER SHALL BE SMOOTH GRADE C STEEL, COMPLY WITH ASTM A139, AND HAVE MIN 36,000 PSI YIELD. CASING DETAILS PER DETAILS 6 AND 7 OF THIS SHEET.
  2. USE SPLIT STEEL CASING SLEEVE IF EXISTING LINE CROSSING THAT DOES NOT REQUIRE VERTICAL/HORIZONTAL ADJUSTMENTS. USE STEEL CASING IF ADJUSTMENT IS REQUIRED FOR THE EXISTING LINE.
  3. 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".
  4. PROVIDE A WRAP AROUND END SEAL WITH STAINLESS STEEL BANDS ON BOTH ENDS.
  5. ADHERE TO THE DEPARTMENT OF ECOLOGY AND DEPARTMENT OF HEALTH PIPELINE SEPARATION DESIGN AND INSTALLATION REFERENCE GUIDE.

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



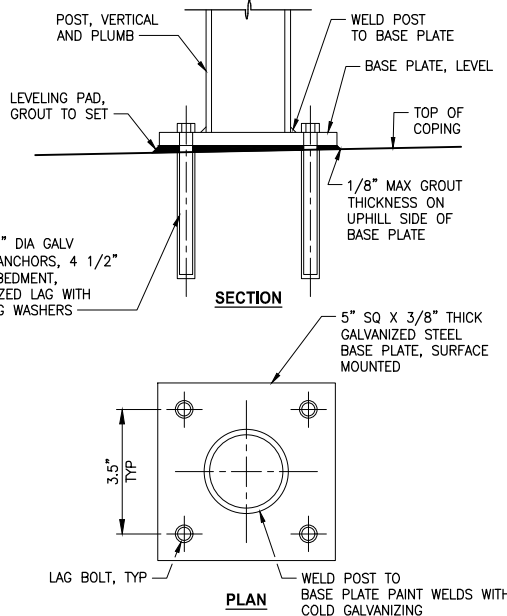
**SECTION A-A**

- 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).

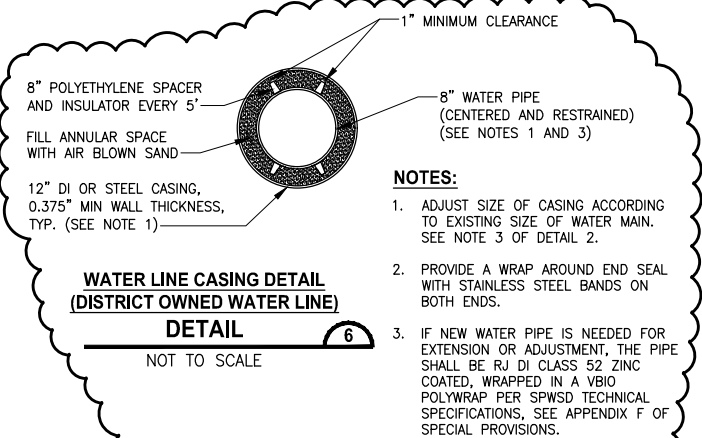


**C.I.P. CONCRETE COPING FOR D2-LINE FILL WALL**  
**DETAIL 3**  
NOT TO SCALE

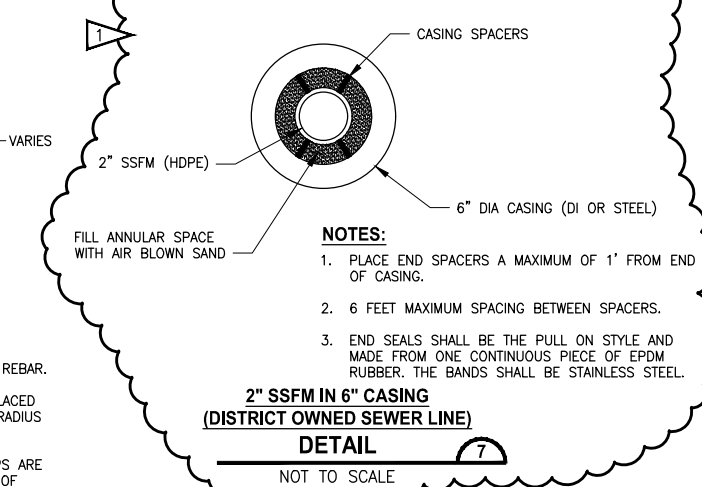
- NOTES:**
1. SEE WP SHEETS FOR TOP AND BOTTOM OF WALL ELEVATIONS.
  2. FOR FILL WALLS, OFFSET DISTANCE IS AT THE OUTSIDE EDGE OF THE CAP BLOCK PER DETAIL 1 ON SHEET WD1.
  3. FILL BLOCK UNITS WITH UNIT DRAINAGE FILL. SEE SPECIAL PROVISIONS FOR WALL DESIGN REQUIREMENTS. ALL CONSTRUCTION MUST CONFORM TO MANUFACTURER'S SPECIFIC REQUIREMENTS.



**PEDESTRIAN RAILING SURFACE MOUNT**  
**SECTION 5**  
NOT TO SCALE



**WATER LINE CASING DETAIL (DISTRICT OWNED WATER LINE)**  
**DETAIL 6**  
NOT TO SCALE



**2" SSFM IN 6" CASING (DISTRICT OWNED SEWER LINE)**  
**DETAIL 7**  
NOT TO SCALE

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

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PROJECT NAME

**EAST LAKE SAMMAMISH MASTER PLAN TRAIL**  
**SOUTH SAMMAMISH SEGMENT B - PHASE 2**  
SAMMAMISH, WA

**WALL DETAILS**  
Addendum 2

SHEET NO.  
116 OF 213

**WD2**

LAYOUT: WD3      PATH: U:\PSO\Projects\Clients\1521-KingCo\554-1521-075-ELST\99Sect\CADD\Phase 19\T03 Civil\Dwg-Phase2      PLOTTED BY: purgebut      DATE: Monday, June 14, 2021 5:37:53 PM

WALL SCHEDULE

WALL #	ALIGNMENT	BEGIN STA	END STA	SIDE	EXPOSED WALL HEIGHT RANGE	FILL/CUT	TYPE	NOTE
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+93	379+49.66	LT	0.3'-2.6'	FILL	SEW	
WALL 19	C-LINE	378+93	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 1.5H:1V
WALL 22	C-LINE	401+00.11	402+74.78	RT	0.4'-3.7'	FILL	SEW	
WALL 29	D-LINE	431+70	432+64.50	LT	5.5'-10.4'	FILL	SEW	
WALL 30	D-LINE	432+91	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+33.22	457+45.72	RT	5.5'-5.7'	FILL	SEW	
WALL 36	D-LINE REF.	457+45.63	457+89.99	RT	1.3'-6.5'	FILL	SEW	STAIR #83, W2-LINE 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	

CONFORMED DRAWINGS



REVISIONS	DATE	BY	DESIGNED
			M. TSUN
			DRAWN B. PURGANAN
			CHECKED
			APPROVED J. BAILEY

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FILE NAME BL1521075P19T03WD-01
JOB No. 554-1521-075 P19 T03
DATE JUNE 2021

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PROJECT NAME

EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2  
Sammamish, WA

WALL SCHEDULE

SHEET NO.  
117 OF 213

WD3

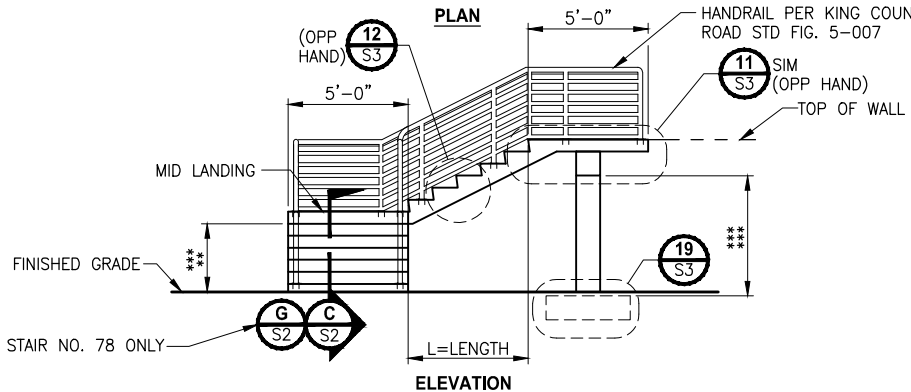
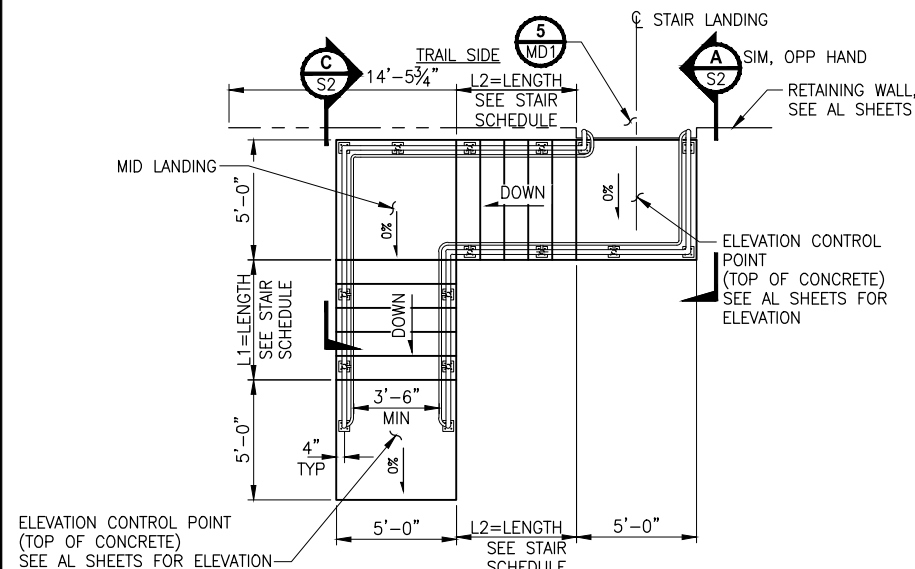
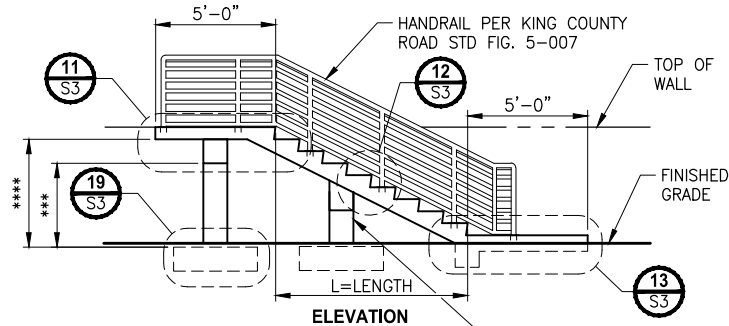
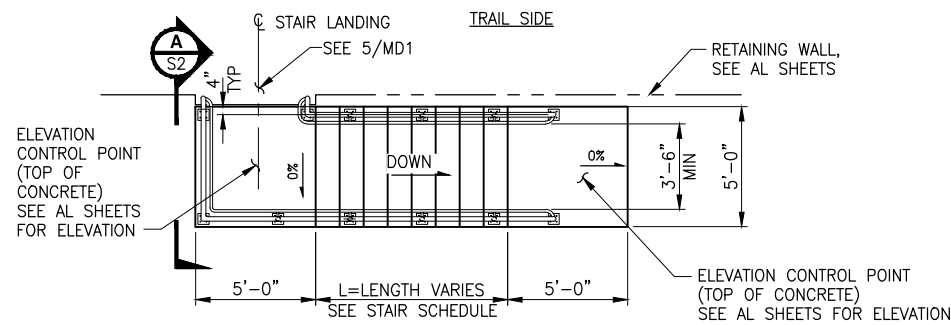
CITY OF SAMMAMISH PUBLIC WORKS  
DEVELOPMENT REVIEW

These drawings have been reviewed for compliance with City of Sammamish Clearing and Grading and Stormwater requirements and also in accordance with the requirements as established in the Settlement Agreement between King County vs. City of Sammamish No. C17-0921 JCC and King County vs. City of Sammamish No. 17-2-29922-7 SEA and have been deemed ACCEPTABLE. The reviewer accepts no responsibility for any errors and/or omissions made by the preparer of these drawings.  
17 February 2022

CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date



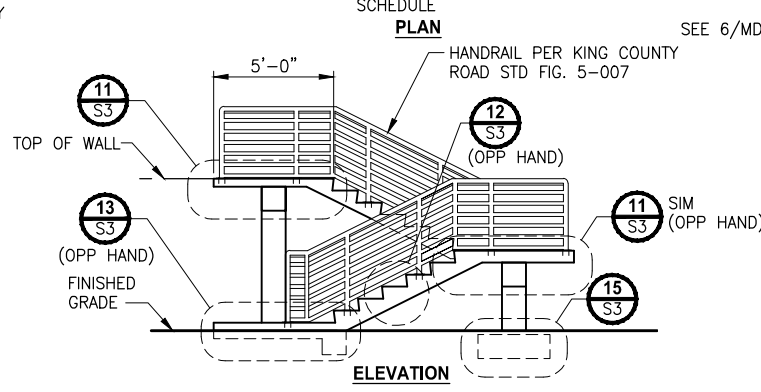
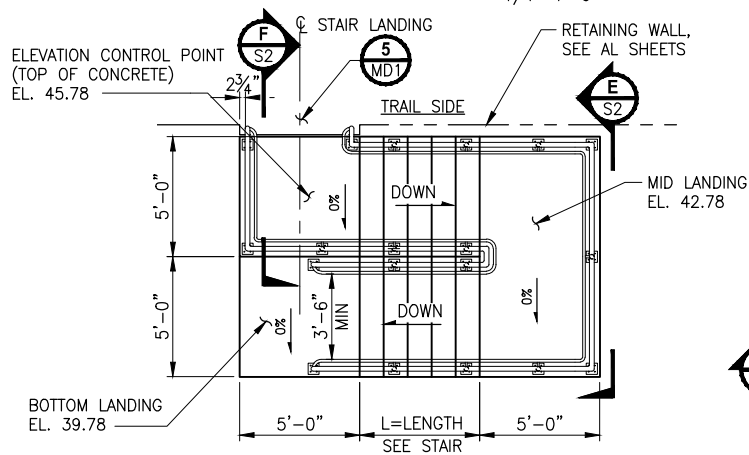
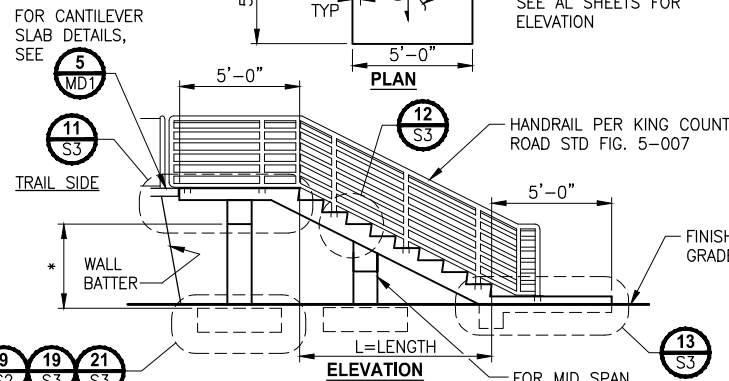
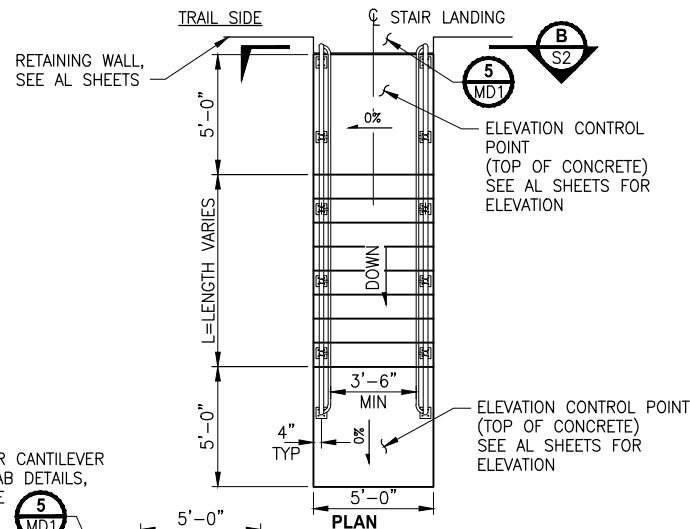
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\* COLUMN HEIGHT VARIES. USE AN AVERAGE COLUMN HEIGHT OF 5'-6" FOR PERPENDICULAR STAIRS (2 LOCATIONS) (DOES NOT INCLUDE STAIR #80).

\*\*\*COLUMN HEIGHT VARIES. USE AN AVERAGE COLUMN HEIGHT OF 4'-3 3/8" FOR PARALLEL STAIRS (5 LOCATIONS) (THIS INCLUDES STAIR #83).

\*\*\*\*GRADE BEAM HEIGHT VARIES. USE AN AVERAGE GRADE BEAM HEIGHT OF 1'-6" (1 LOCATION).



CONFORMED DRAWINGS



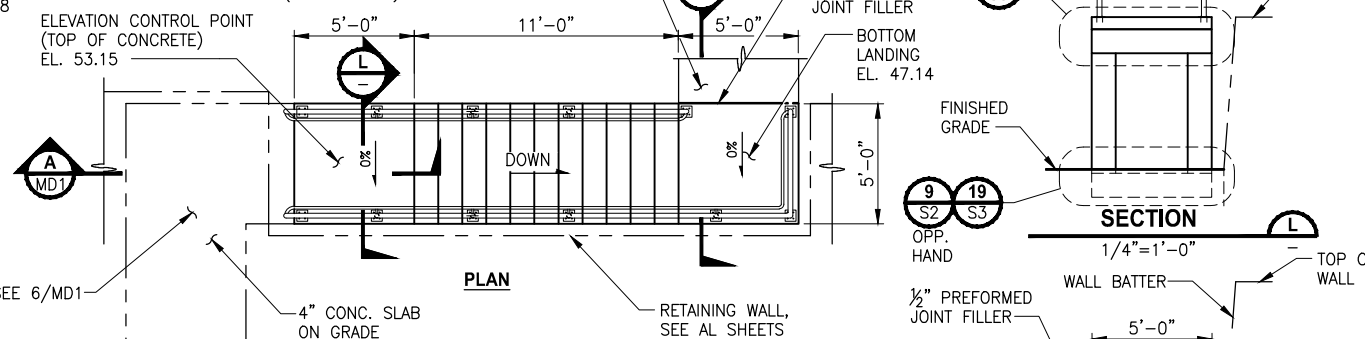
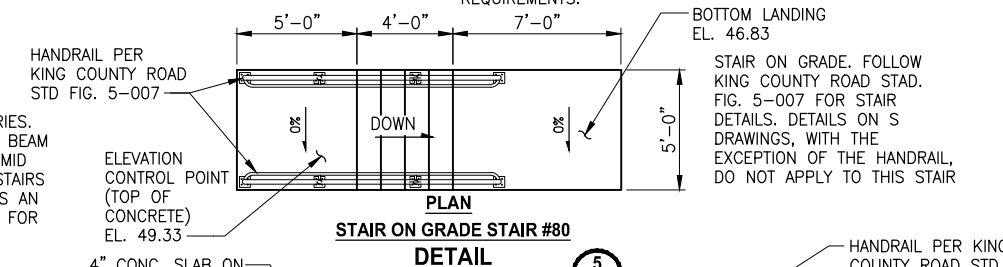
#### STAIR SCHEDULE:

NOTE: RISER COUNT DOES NOT INCLUDE LOWER LANDING

Stair No.	Type	Number Risers	"L"	Landing Centerline at Trail	Reference Detail	DESCRIPTION
69	Perpendicular	17	16'	448+23.21	2/S1	Lake side next to structural earth wall
71	Parallel	3	2'	448+74.23	1/S1	Lake side next to structural earth wall
72	Parallel	9	8'	450+18.69	1/S1	Lake side next to structural earth wall
73	Parallel	9	8'	451+38.94	1/S1	Lake side next to structural earth wall
77	"L"	17	L1=8' L2=8'	454+27.16	10/S2	Lake side next to structural earth wall
78	"L"	13	L1=1' L2=10'	454+68.41	4/S1 Opp. Hand, G/S2	Lake side next to structural earth wall
79	Perpendicular	9	8'	456+03.43	2/S1	Lake side next to structural earth wall
80	Slab on Grade	5	4'	456+22.92	5/S1	Hill side short run on grade
81	Parallel	13	12'	456+79.20	1/S1	Lake side next to structural earth wall
83	Parallel	12	11'	457+63.92	6/S1	Trail side next to structural earth wall
86	"L"	11	L1=3' L2=6'	462+51.83	4/S1	Lake side next to structural earth wall
89	"U"	12	L1=5' L2=5'	463+66.83	3/S1	Lake side next to structural earth wall
90	Parallel	12	11'	465+16.82	1/S1	Lake side next to structural earth wall
91	"L"	15	L1=5' L2=8'	467+01.85	4/S1	Lake side next to structural earth wall

#### NOTES:

- CONCRETE: CONCRETE CLASS 4000.
- ALL STEPS: UNIFORM DIMENSIONS, WITHIN 3/8" MAX. VARIATION WITHIN SINGLE FLIGHT. STAIRS DESIGNED FOR 6" RISER AND 12" TREADS.
- RISERS: 7 IN. MAX., 5 IN. MIN. DEPTH
- TREADS: 12 IN. MAX. 11 IN. MIN.
- METAL HANDRAIL REQUIRED AT ALL STEPS.
- REINFORCING BARS SHALL MEET THE REQUIREMENTS OF ASTM A-615, GRADE 60.
- MAX. VERTICAL DISTANCE BETWEEN LANDINGS IS 12 FT.
- MAX. RUN WITHOUT A MID-SPAN PIER IS 12'-0".
- ALL CONCRETE WALKING SURFACES SHALL HAVE A NON-SLIP BROOM FINISH.
- SEE SPECIAL PROVISIONS 6-02 FOR WORKING DRAWING REQUIREMENTS.



CITY OF SAMMAMISH APPROVAL	
City Engineer	Date
Community Development	Date

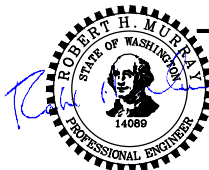
REVISIONS	DATE	BY	DESIGNED
			A. MENDOZA
			A. VALENCIA
			CHECKED R. MURRAY
			APPROVED J. BAILEY

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FILE NAME: BL1521075P19T03S-10

JOB No. 554-1521-075 P19 T03

DATE: JUNE 2021



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PROJECT NAME

**EAST LAKE SAMMAMISH MASTER PLAN TRAIL SOUTH SAMMAMISH SEGMENT B - PHASE 2**

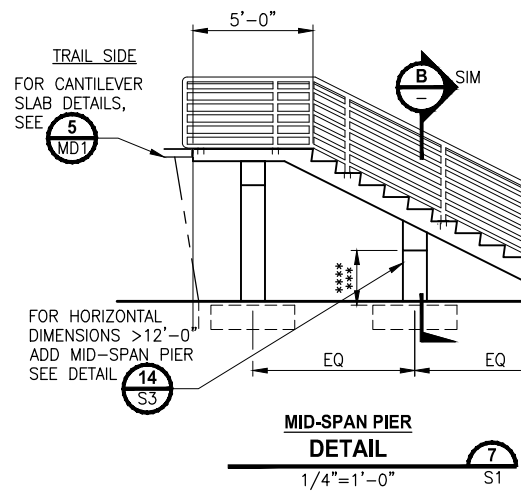
SAMMAMISH, WA

**CIP CONCRETE STAIR DETAILS**

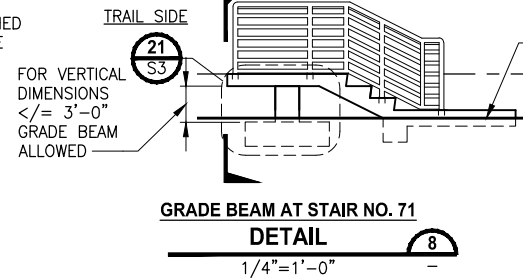
SHEET NO. 118 OF 213

**S1**

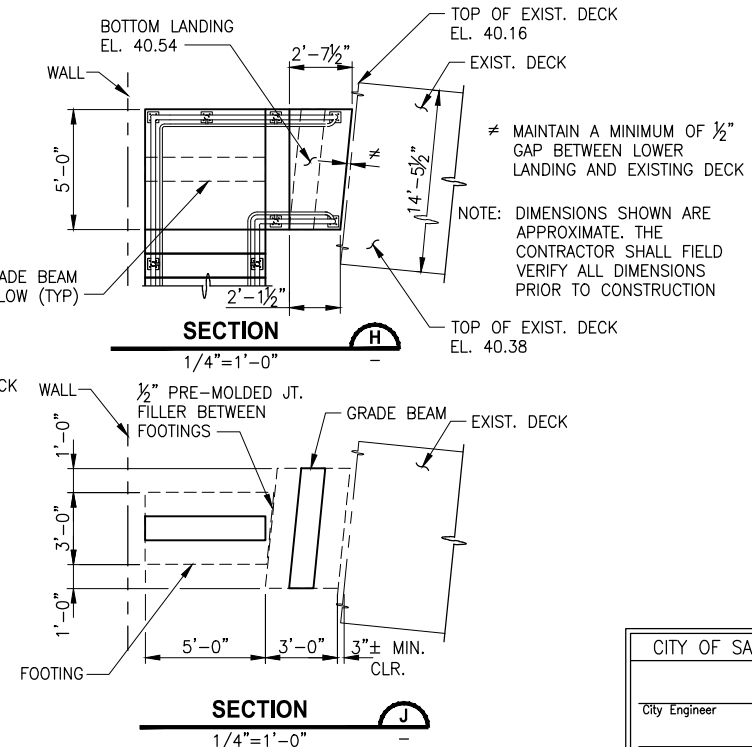
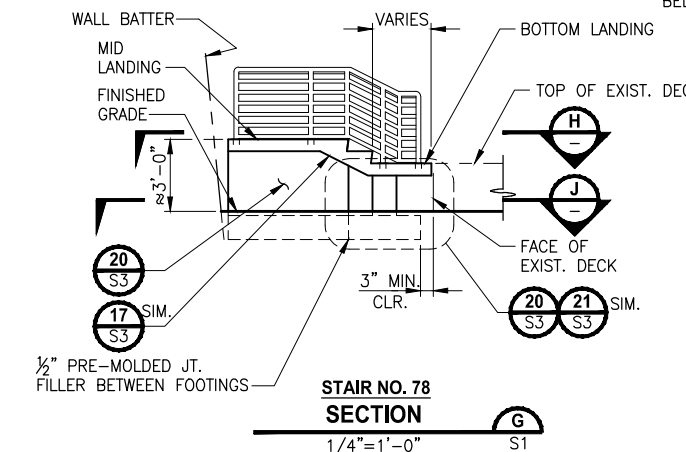
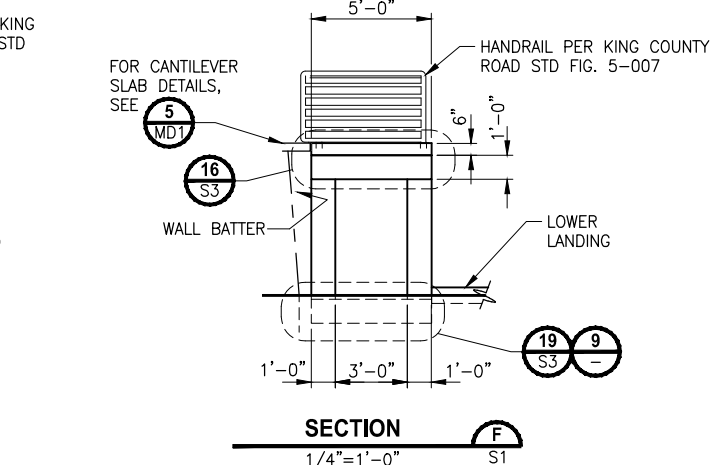
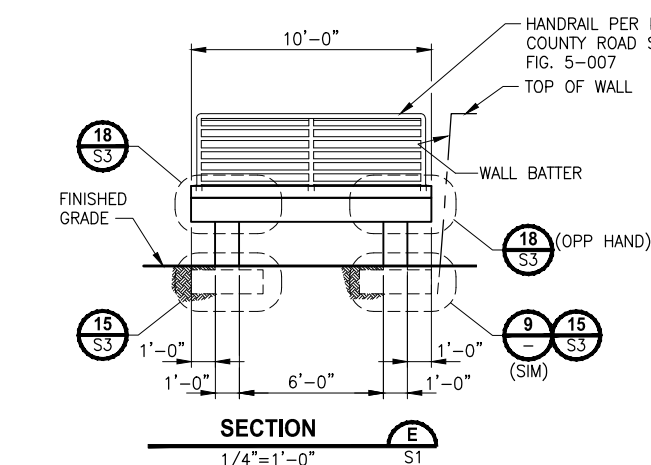
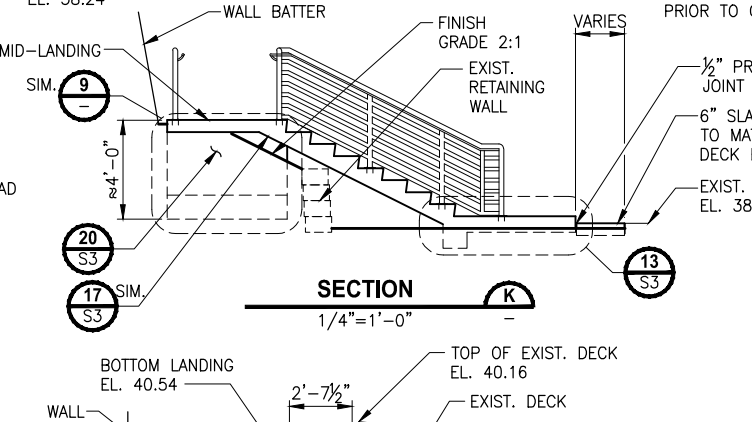
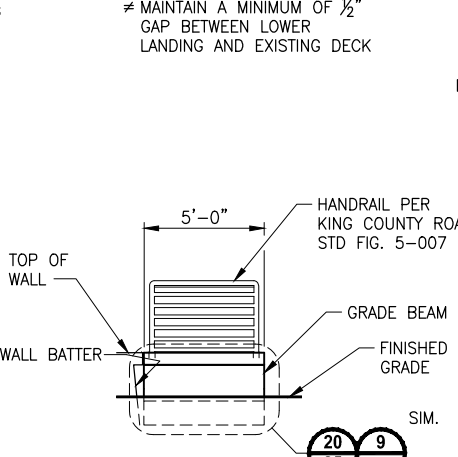
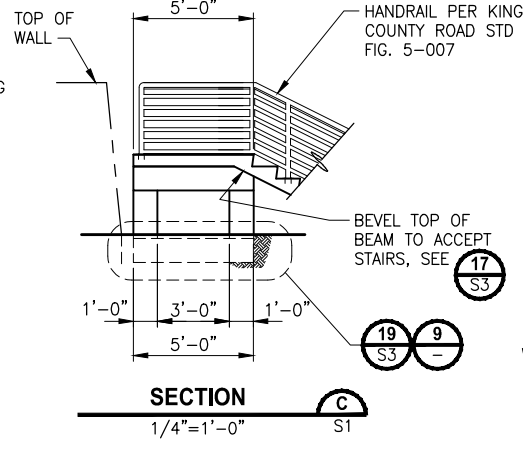
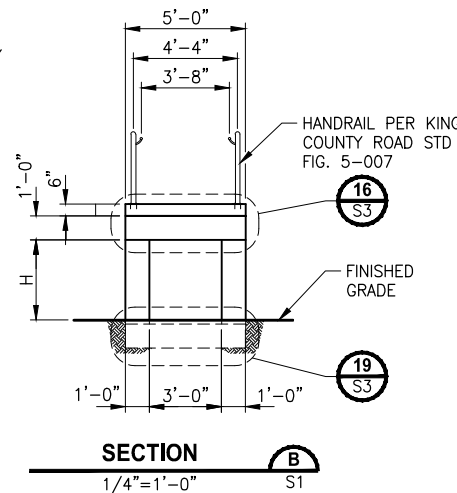
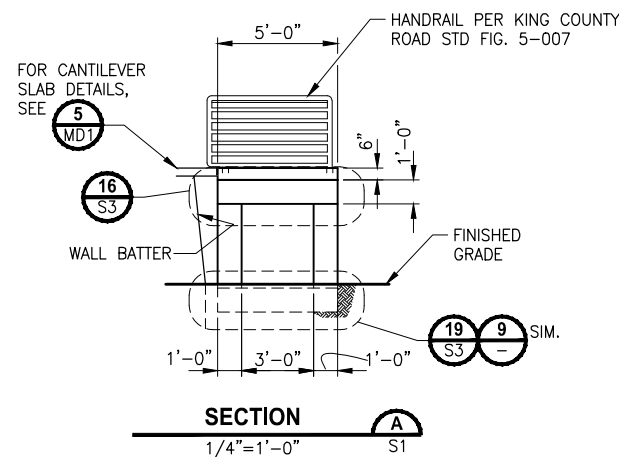
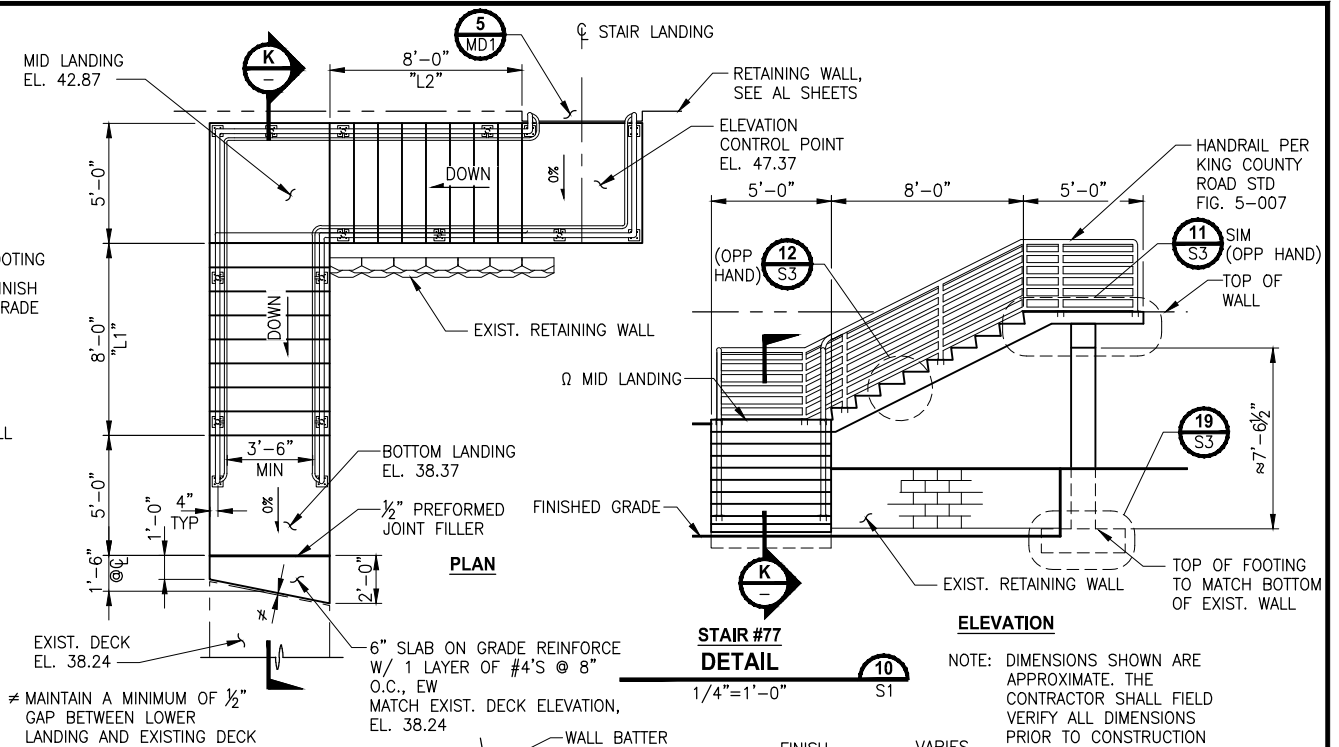
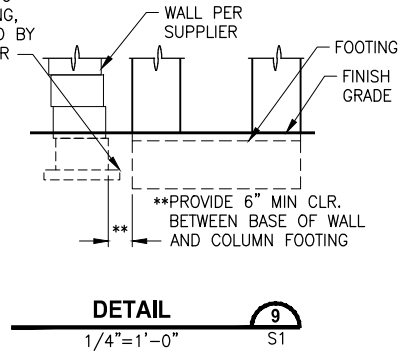
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\*\*\* COLUMN HEIGHT VARIES.  
USE AN AVERAGE COLUMN  
HEIGHT OF 3'-1 1/2" FOR MID  
SPAN PIERS (2 LOCATIONS).



CUT BACK CSBC  
UNDER WALL AS  
NECESSARY TO  
AVOID FOOTING,  
AS APPROVED BY  
THE ENGINEER



CONFORMED DRAWINGS



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FILE NAME  
BL1521075P19T03S-10

JOB No.  
554-1521-075 P19 T03

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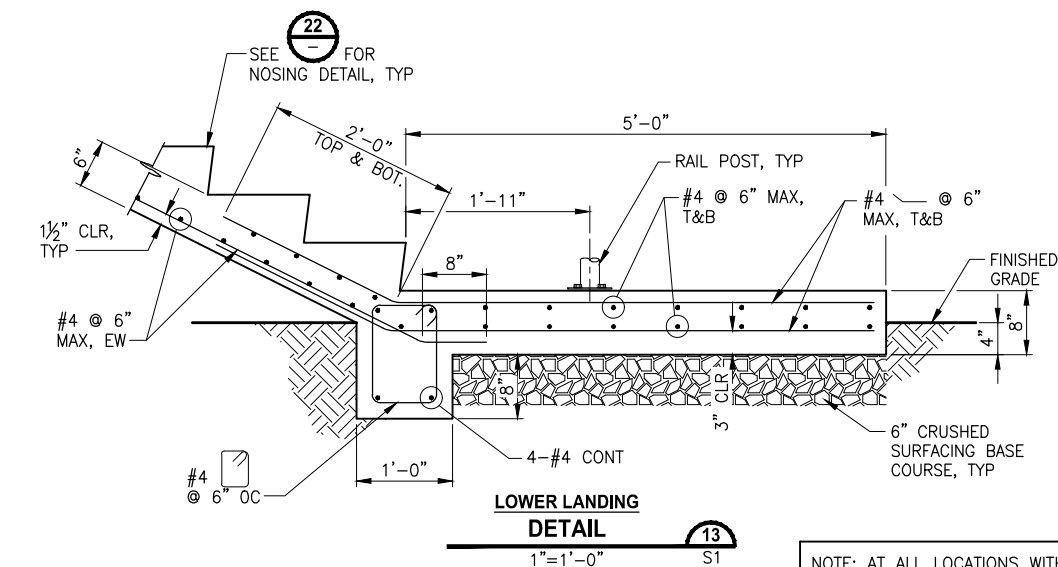
PROJECT NAME  
**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2**  
SAMMAMISH, WA

**CIP CONCRETE STAIR  
DETAILS AND SECTIONS**

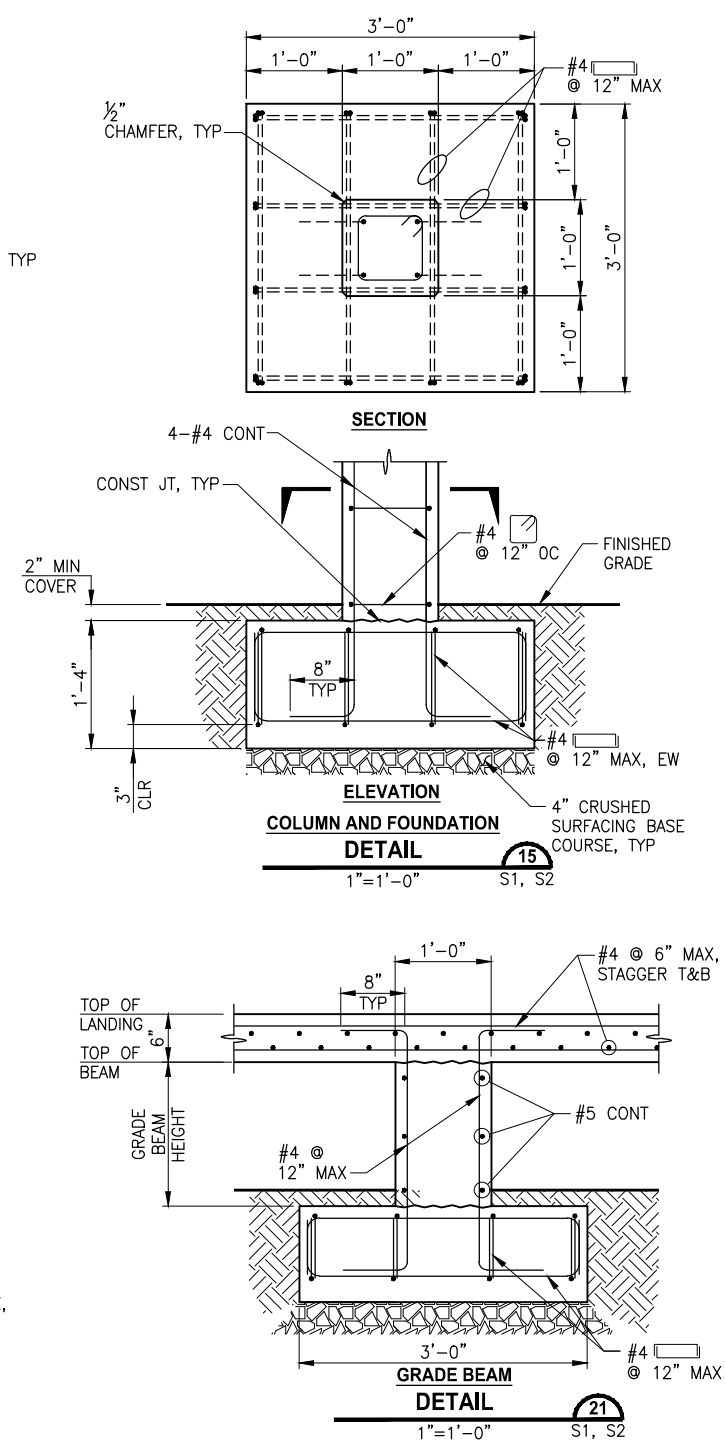
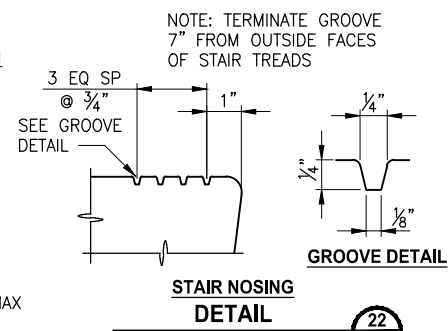
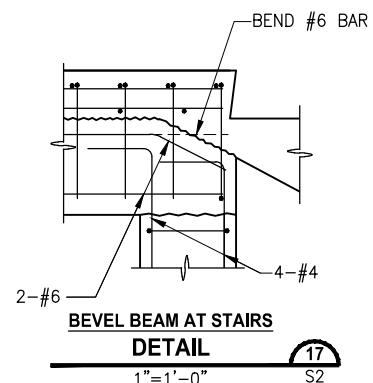
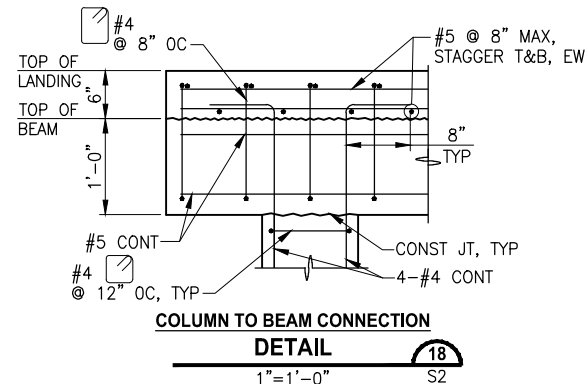
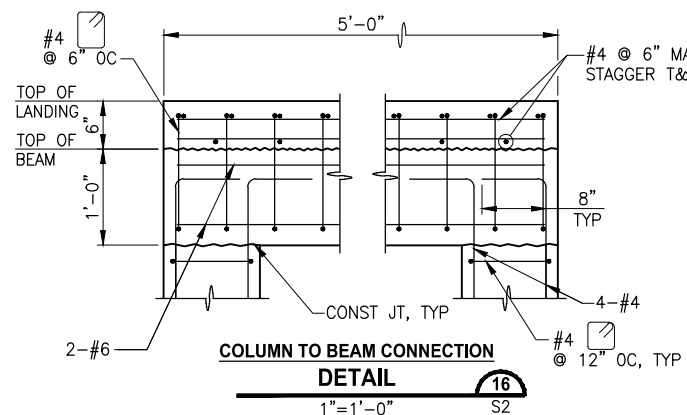
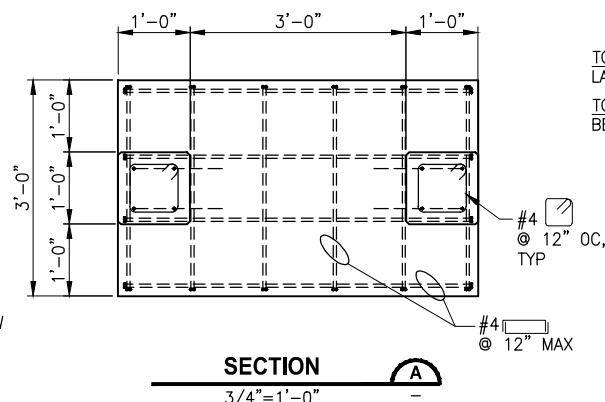
SHEET NO.  
119 OF 213


**S2**

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City Engineer	Date
Community Development	Date



NOTE: AT ALL LOCATIONS WITH TWO LAYERS OF REINFORCEMENT, WITH THE EXCEPTION OF THE LANDING ON GRADE, TOP AND BOTTOM TRANSVERSE BARS SHALL BE STAGGERED.



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

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JUNE 2021

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PROJECT NAME

**EAST LAKE SAMMAMISH  
MASTER PLAN TRAIL  
SOUTH SAMMAMISH SEGMENT B - PHASE 2**

SAMMAMISH, WA

## CIP CONCRETE STAIR DETAILS

SHEET NO.  
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**S3**