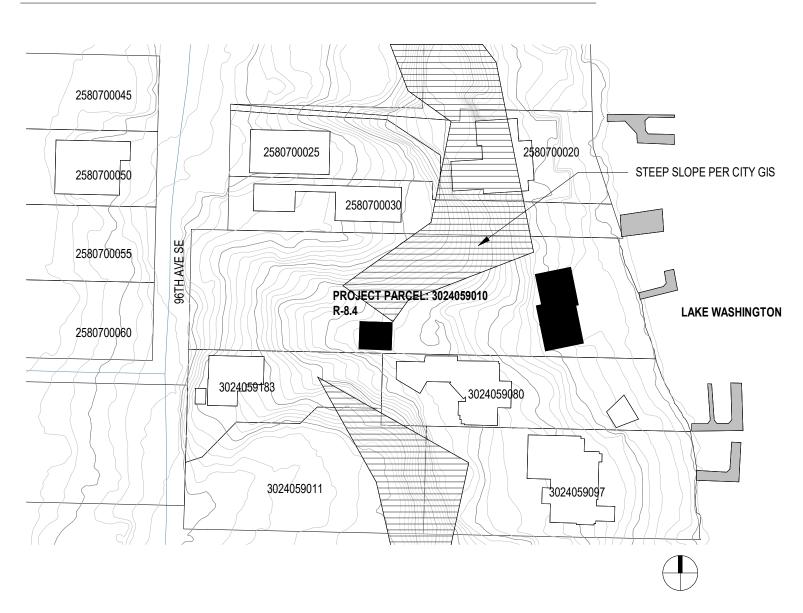


MERCER ISLAND HOUSE: CASCADE

100% CONSTRUCTION DOCUMENTS

MERCER ISLAND, WA FEBRUARY 24, 2023

VICINITY MAP - ADJACENT PARCELS



PROJECT INFO	302405-9010
JURISDICTION	CITY OF MERCER ISLAND
PERMIT NUMBER	LAND USE: CAO21-007, SHL21-042, SEP21-027 BUILDING PERMIT: 2205-199
LEGAL DESCRIPTION	SOUTH 100 FEET OF THE NORTH 400 FEET OF GOVERNMENT LOT 2, SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M. TOGETHER WITH SECOND CLASS SHORELANDS ADJOINING SAID PREMISES
YEAR BUILT:	1934
YEAR RENOVATED:	1970
ZONE: LOT SIZE: CRITICAL AREAS:	2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2018 INTERNATIONAL FUEL GAS CODE (IFGC) 2018 UNIFORM PLUMBING CODE (UPC) 2018 INTERNATIONAL FIRE CODE (IFC) 2018 INTERNATIONAL EXISTING BUILDING CODE 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE 2018 WASHINGTON STATE ENERGY CODE (WSEC) ICC/ANSI A117.1-09, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES WITH STATEWIDE AND CITY AMENDMENTS R-8.4 SINGLE FAMILY 37427 SQUARE FEET PER SURVEY DATED 8/6/21 STEEP SLOPE PER SURVEY, LANDSCAPE HAZARDS, SEISMIC HAZARDS
	AND EROSION HAZARDS PER GEOTECH. WETLAND DELINEATION PER ECOLOGIST
ACCESS:	PRIVATE DRIVEWAY FROM 96TH AVE SE
EASEMENTS:	UTILITY EASEMENT: PUGET SOUND POWER AND LIGHT COMPANY, ELECTRIC TRANSMISSION AND DISTRUBUTION LINE, 11' FROM WEST PROPERTY LINE
	UTILITY EASEMENT: MERCER ISLAND SEWER DISTRICT, IN LAKE WASHINGTON
<u>RECORDINGS</u>	NOT AN ADU AFFIDAVIT: 20220929000290 SITE SUBDIVISION COVENANT: 20221025000362
ADDITIONAL INFORMATION	ADDITIONAL CODE ANALYSIS AND PROJECT INFORMATION ON G100

PROJECT DESCRIPTION

THE PROJECT SITE IS A WATERFRONT SITE ON THE SOUTHEAST SIDE OF MERCER ISLAND. THE SLOPED SITE RUNS PRIMARILY WEST-EAST, ACCESSED VIA 96TH AVENUE SE AND DESCENDS TO THE LAKE WASHINGTON SHORELINE. THREE STRUCTURES CURRENTLY OCCUPY THE SITE: A PRIMARY TWO-STORY RESIDENCE, A TWO CAR GARAGE AND A SMALL POTTING SHED. THE HOUSE, GARAGE AND SHED ARE IN POOR STATE OF REPAIR AND WILL BE DEMOLISHED FOR THE CONSTRUCTION OF THE NEW RESIDENCE.

THERE ARE SEVERAL SENSITIVE AND ENVIRONMENTALLY CRITICAL AREAS ON THE SITE. THE ENTIRE PROPERTY IS CHARACTERIZED BY RELATIVE STEEPNESS AS THERE IS A FREQUENT CHANGE IN GRADE ACROSS THE FULL SPAN OF THE PARCEL. CITY OF MERCER ISLAND CRITICAL AREAS MAPPING INDICATES THAT THE CENTRAL REGION OF THE SITE IS A DESIGNATED STEEP SLOPE AREA AND NEARLY THE ENTIRE PROPERTY IS LOCATED IN A PROTECTED STEEP SLOPE AREA. IN ADDITION, THE WHOLE SITE IS MAPPED AS A LANDSLIDE HAZARD AREA. OTHER ENVIRONMENTAL HAZARDS IDENTIFIED OVER THE ENTIRE SITE INCLUDE POTENTIAL SLIDE AND EROSION HAZARD AREAS. THE EASTERN REGION OF THE PROPERTY IS LOCATED WITHIN A DESIGNATED SEISMIC HAZARD AREA.

THE NEW RESIDENCE WILL BE A THREE-STORY STRUCTURE AND NEW DETACHED GARAGE. A MAJORITY OF T PROPOSED FOOTPRINT IS LOCATED WITHIN THE EXISTING BUILDING PAD. THE FIRST TWO STORIES ARE LOCATED NEAR THE WATER, WITH THE THIRD STORY EXTENDING WEST TOWARD THE EXISTING PARKING PAI THE THIRD STORY CONNECTS TO THE PARKING PAD WITH AN ELEVATED COVERED WALKWAY WHICH WILL ALLOW THE NEW RESIDENTS TO AGE-IN-PLACE AT THIS HOME.

A CENTRAL EXTERIOR STAIRWAY WILL CONNECT THE UPPER PARKING PAD TO THE WATERFRON LANDSCAPING FEATURES WILL BE INCLUDED THROUGHOUT.

PROJECT TEAM

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BERGER PARTNERSHIP
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KIRKLAND, WA 98033
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CONTACT: NELL LUND

ENVELOPE CONSULTANT

4EA BUILDING SCIENCE

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SEATTLE, WA 98125

TEL: 206.728.2358

CONTACT: JEFF SPEERT

MERCER ISLAND HOUSE: CASCADE

MILLER HUL

The Miller Hull Partnership, LLI Architecture and Planning

Polson Building 71 Columbia, Sixth Floor Seattle, WA 98104

Contact: Name

STAMP

Phone: 206.682.6837

6838 96TH AVE SE MERCER ISLAND, WA 98040

SUBMITTAL

100% CONSTRUCTION DOCUMENTS

FEBRUARY 24, 2023

INLVI	310113	
No.	Description	Date
1	Building Permit Resubmittal	10/27/22
2	Building Permit Resubmittal 2	1/6/23
3	Building Permit Resubmittal 3	2/24/23
В	PERMIT REVISION	12/08/23

Drawn: AN
Checked: AN

M|H Proj No.: A20.0085.00

Issue Date: FEBRUARY 24, 2023

SHEET

SHEET INDEX & PROJ INFO G000

SHEET INDEX

	NO.	SHEET NAME
	CLIDVEV	
	SURVEY	CLID)/EV
	SURVET	SURVEY
	GENERAL	
	G000	SHEET INDEX & PROJ INFO
	G100	SITE PLAN
	G101	SITE PLAN
7	G102	SITE SECTIONS
	G200	CODE DIAGRAMS
	G201	CODE DIAGRAMS
	CIVIL	
	C100	TESC AND DEMOLITION PLAN
7	C101A	TREE RETENTION PLAN A - REMOVAL
	C101B	TREE RETENTION PLAN B - PROPOSED
	C102	TESC DETAILS
	C200A	GRADING PLAN
	C200B	DRAINAGE PLAN
	C300	UTILITIES & PAVING PLAN
	C400	DETAILS
	C401	DETAILS
	C402	DETAILS
	LANDSCAPE L100	COMPOSITE SITE PLAN
	L100	LAYOUT & MATERIAL PLAN
	L101	LANDSCAPE ENLARGEMENTS
	L102	LANDSCAPE ENLARGEMENTS
	L103	ROOF LAYOUT & MATERIAL PLAN & DETAILS
	L301	SITE SECTIONS
	L302	SITE SECTIONS
	L401	SITE DETAILS - PAVING & STAIRS
	L402	SITE DETAILS - SPINE / RUNNEL
	L403	SITE DETAILS - SPINE / RUNNEL
	L404	SITE DETAILS - SPINE / RUNNEL
	L405	SITE DETAILS
	L405	SITE DETAILS
	L400	SITE DETAILS - ECA WALL
	L407	SITE DETAILS - ECA WALL
	L601	PLANTING PLAN
	L602	ROOF PLANTING PLAN & DETAILS
	L603	PLANTING SCHEDULE
	L003	I LANTINO SOFILDULL

NO.	SHEET NAME	
L604	PLANTING DETAILS	
L605	PLANTING SCHEDULE, DETAILS & NOTES	
ARCHITECT	TURAL	
A001	LEGENDS, NOTES & ABBREVIATIONS	
A010	ASSEMBLIES	
A030	DOORS, LOUVERS & FINISH LEGEND	
A050	FRAME ELEVATIONS	
A111	LEVEL 1 - FLOOR PLAN	
A113	LEVEL 1 - REFLECTED CEILING PLAN	
A121	LEVEL 2 - FLOOR PLAN	
A123	LEVEL 2 - REFLECTED CEILING PLAN	
A131	LEVEL 3 - FLOOR PLAN	
A133	LEVEL 3 - REFLECTED CEILING PLAN	
A141	ROOF PLAN	
A151	GARAGE PLANS	
A152	GARAGE ELEVATIONS, SECTIONS	
A161	COVERED WALKWAY PLANS	
A162	COVERED WALKWAY ELEV, SECTIONS	
A171	SHED PLANS, ELEV, SECTION	
A201	BUILDING ELEVATIONS	
A202	BUILDING ELEVATIONS	
A203	BUILDING ELEVATIONS	
A301	BUILDING ELEVATIONS / SECTIONS	
A302	BUILDING SECTIONS	
A303	BUILDING SECTIONS	
A350	FENCE ELEVATIONS	
A410	VERTICAL TRANSPORTATION	
A411	VERTICAL TRANSPORTATION	
A412	VERTICAL TRANSPORTATION	
CTDI IOTI ID	Al	
STRUCTUR S000	COVER SHEET	
S001	GENERAL NOTES	
S002	GENERAL NOTES	
S003	GENERAL NOTES	
S004	GENERAL NOTES	
S005	GENERAL NOTES	
S110	PLAN NOTES	
<u> </u>	1. 2.1.1.0120	

PILE PLAN

PILE PLAN

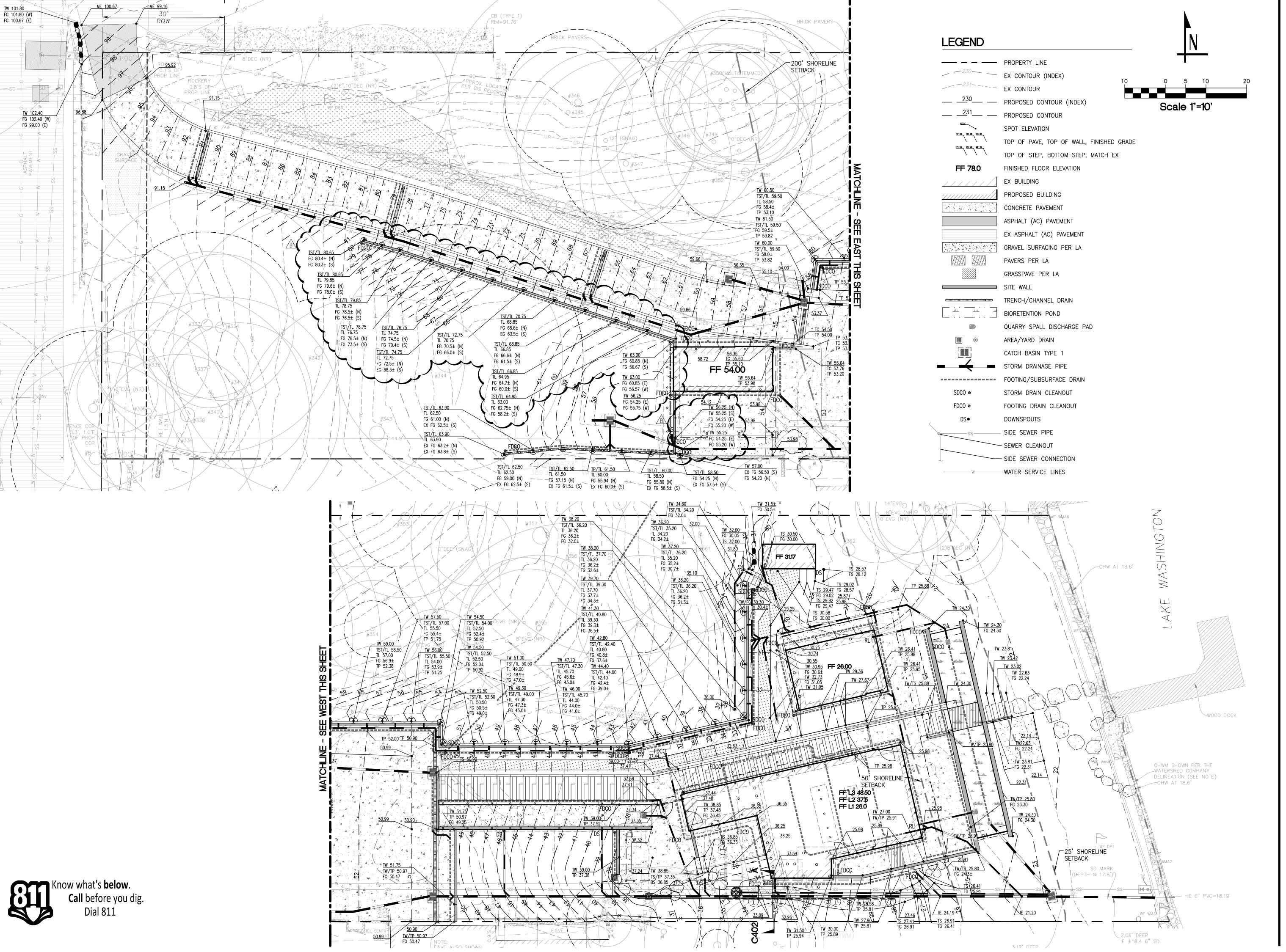
LEVEL 1 - FOUNDATION PLAN

S111b

S121	LEVEL 2 - FLOOR FRAMING PLAN
S121P	LEVEL 2 - FLOOR FRAMING PENETRATION PLAN
S131	LEVEL 3 - FLOOR FRAMING PLAN
S131P	LEVEL 3 - FLOOR FRAMING PENETRATION PLAN
S141	ROOF - FRAMING PLAN
S151	GARAGE AND SHED PLANS
S161	COVERED WALKWAY PLANS
S301	SLAB-ON-GRADE DETAILS
S302	FOUNDATION DETAILS
S303	FOUNDATION DETAILS
S304	FOUNDATION DETAILS
S305	FOUNDATION DETAILS
S400	SOLDIER PILE WALL PLAN
S401	SHORING WALL ELEVATIONS
S402	SHORING WALL ELEVATIONS
S403	SHORING DETAILS
S410	TEMPORARY SHORING WALL PLANS & ELEVATIONS
S 411	TEMPORARY SHORING WALL DETAILS
S420	GARAGE SHORING WALL ELEVATION & DETAILS 🁌
S501	STEEL FRAMING DETAILS
S701	WOOD FRAMING DETAILS B
S702	WOOD FRAMING DETAILS
S703	WOOD FRAMING DETAILS
S704	WOOD FRAMING DETAILS
S705	WOOD FRAMING DETAILS
S706	WOOD FRAMING DETAILS
S707	WOOD FRAMING DETAILS
S708	WOOD FRAMING DETAILS
S709	WOOD FRAMING DETAILS
S710	WOOD FRAMING DETAILS
103	

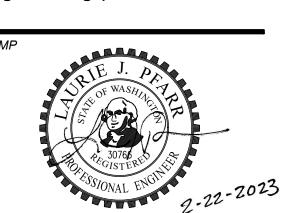
SHEET NAME

NO.









MERCER ISLAND HOUSE: CASCADE

6838 96TH AVE SE MERCER ISLAND, WA 98040

SUBMITTAL

100% CONSTRUCTION DOCUMENTS

FEBRUARY 24, 2023

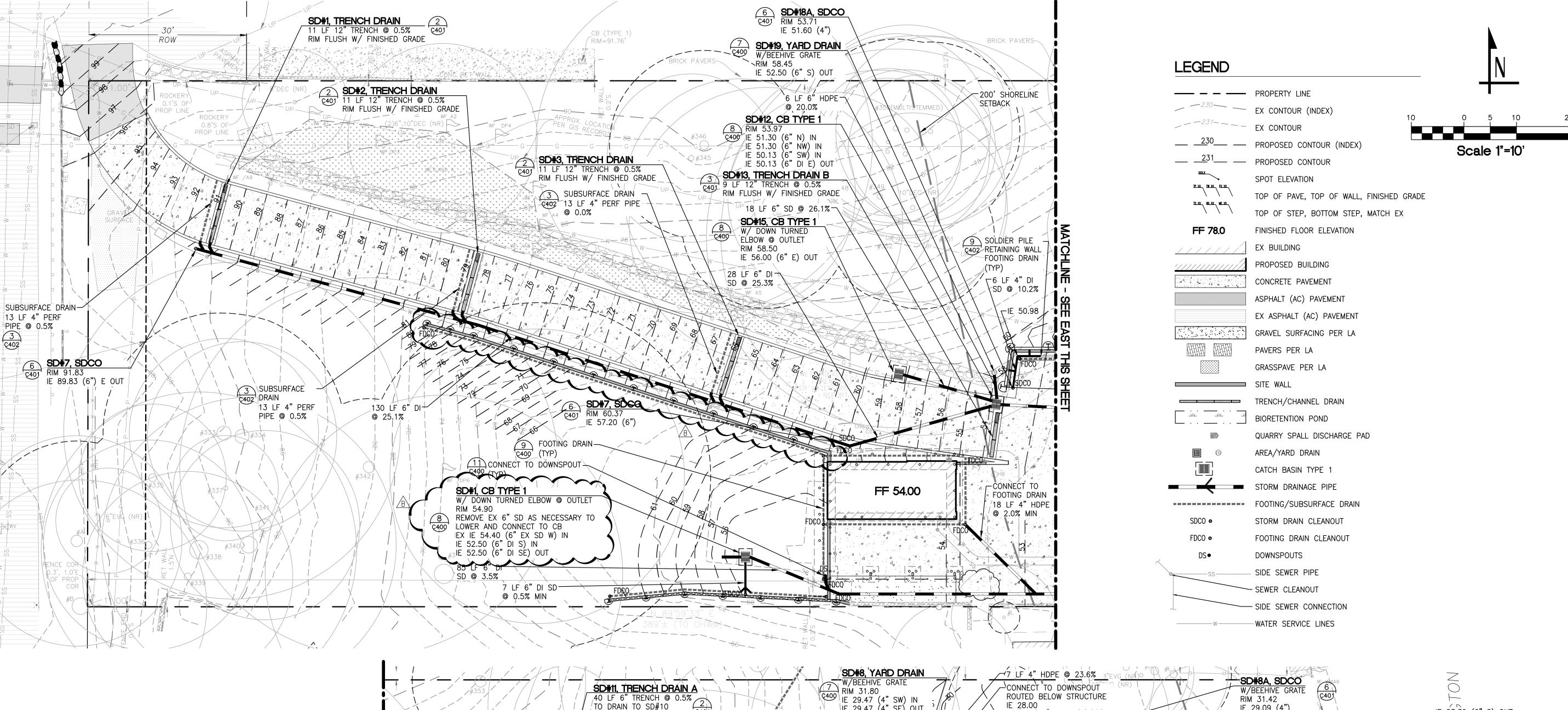
Ņо.	Description	Date
À	CA REVISION	
B	PERMIT REVISION	12/08/23

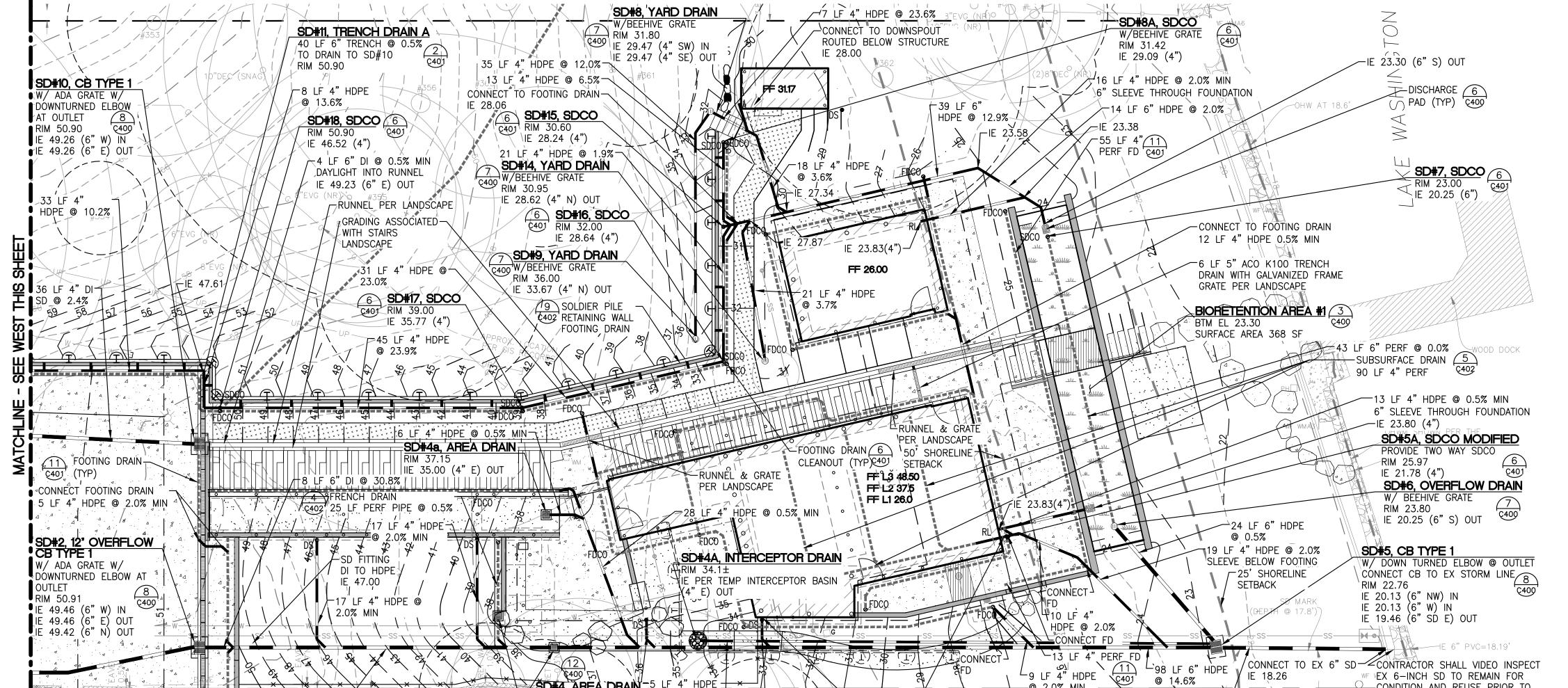
Drawn: EVW
Checked: ACW
M|H Proj No.: A20.0085.00

Issue Date: FEBRUARY 24, 2023

GRADING PLAN

C200A





DOWNSPOU"

5 LF 4" HDPE (TYP) 11 @ 2.0% MIN

∠7± LF 4" HDPE @ 2.0% MIN

SLEEVE UNDER FOOTING

PROVIDE 45° BENDS TO EXTEND BELOW FOOTING

ZŠD#4, AREA DRAIN -5 LF 4" HDPÉ

IE 34.44 (6" W) IN 77 LF 4" HDPE IE 34.44 (6" E) OUT @ 1.0% MIN #G

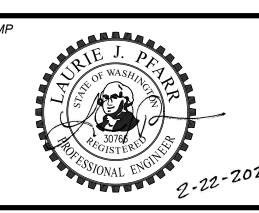
@ 2.0% MIN

SD#3, AREA DRAIN
RIM 37.20
C400 IE 34.84 (4" N/S) IN/OUT









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VEX 6-INCH SD TO REMAIN FOR

CONNECTION. PROVIDE VIDEO TO

PENGINEER TO REVIEW FOR ANY

IE ±18.4 6'REQUIRED REPAIRS OR REPLACEMENT

-CONDITION AND REUSE PRIOR TO

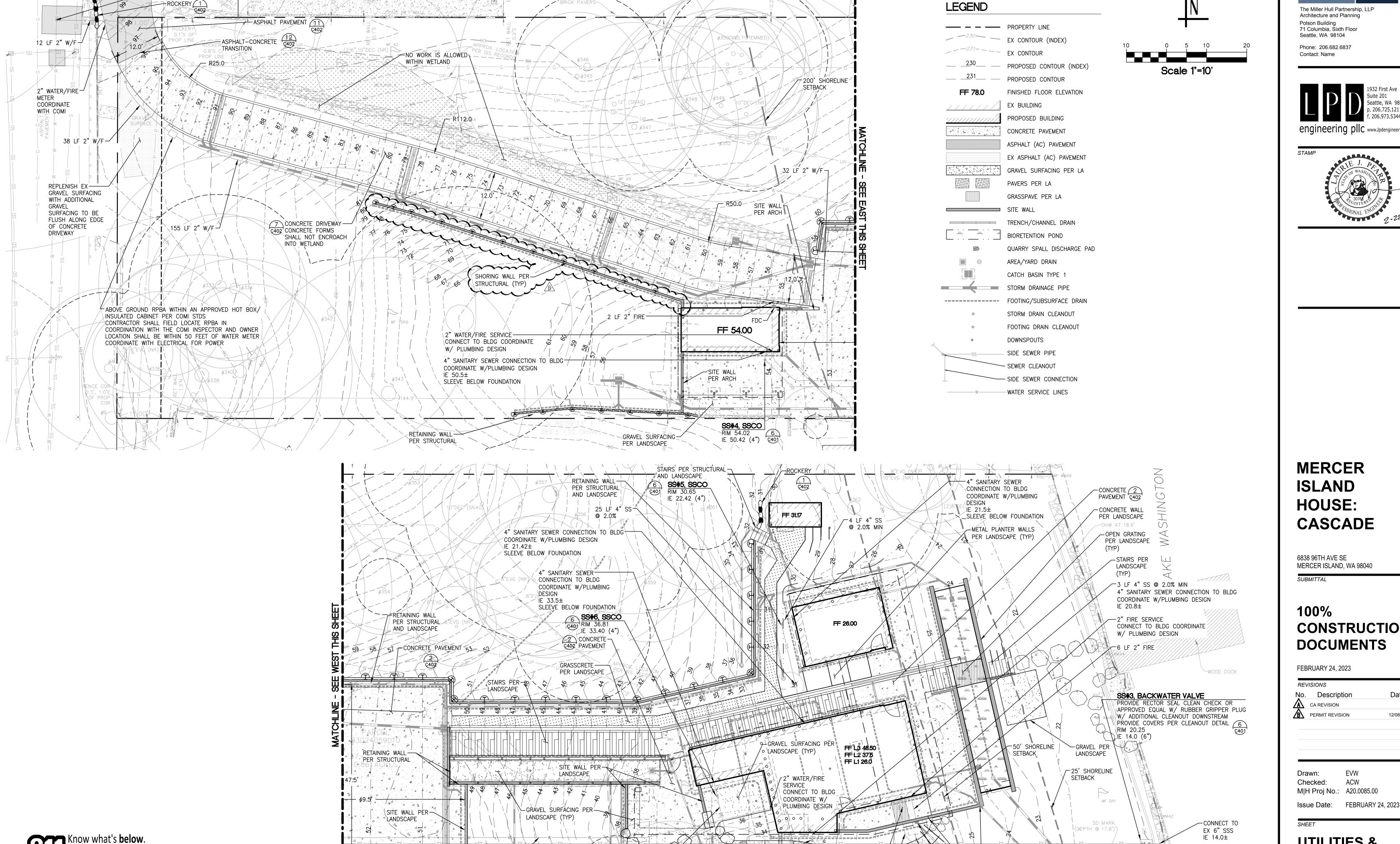
HDPE

[∠]24 LF 6" HDPE \ 2.08' DEE

DRAINAGE PLAN

C200B





SS#2, SHOWER AREA DRAIN

IE 22.5 (4" S) OUT

IE 20.74(4")

@ 2.0% MIN

SITE WALL PER

LANDSCAPE

2.08' DEEP

IE ±18.4 6" SD

CB (TYPE 1)

_143 LF 4" SS 🖳

RIM=91.76'

' WATER/FIRE SERVICE COORDINATE CONNECTION

COMI TO MAKE TAP

ALL OTHER ASSOCIATED

WORK BY CONTRATOR

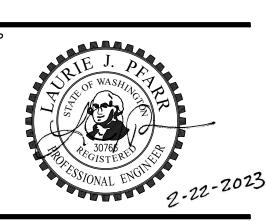
√WITH COMI

Call before you dig.

Dial 811







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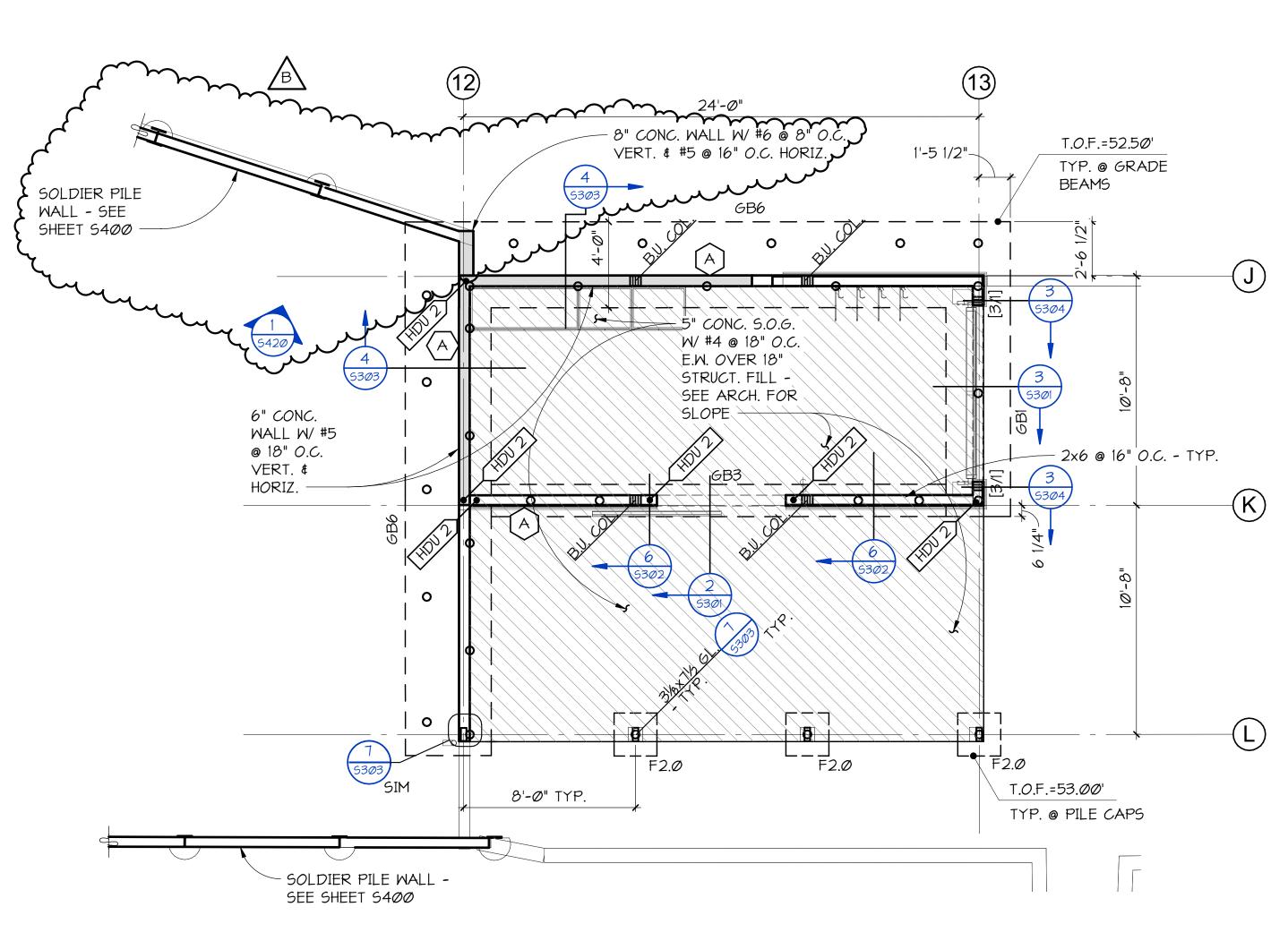
100% CONSTRUCTION **DOCUMENTS**

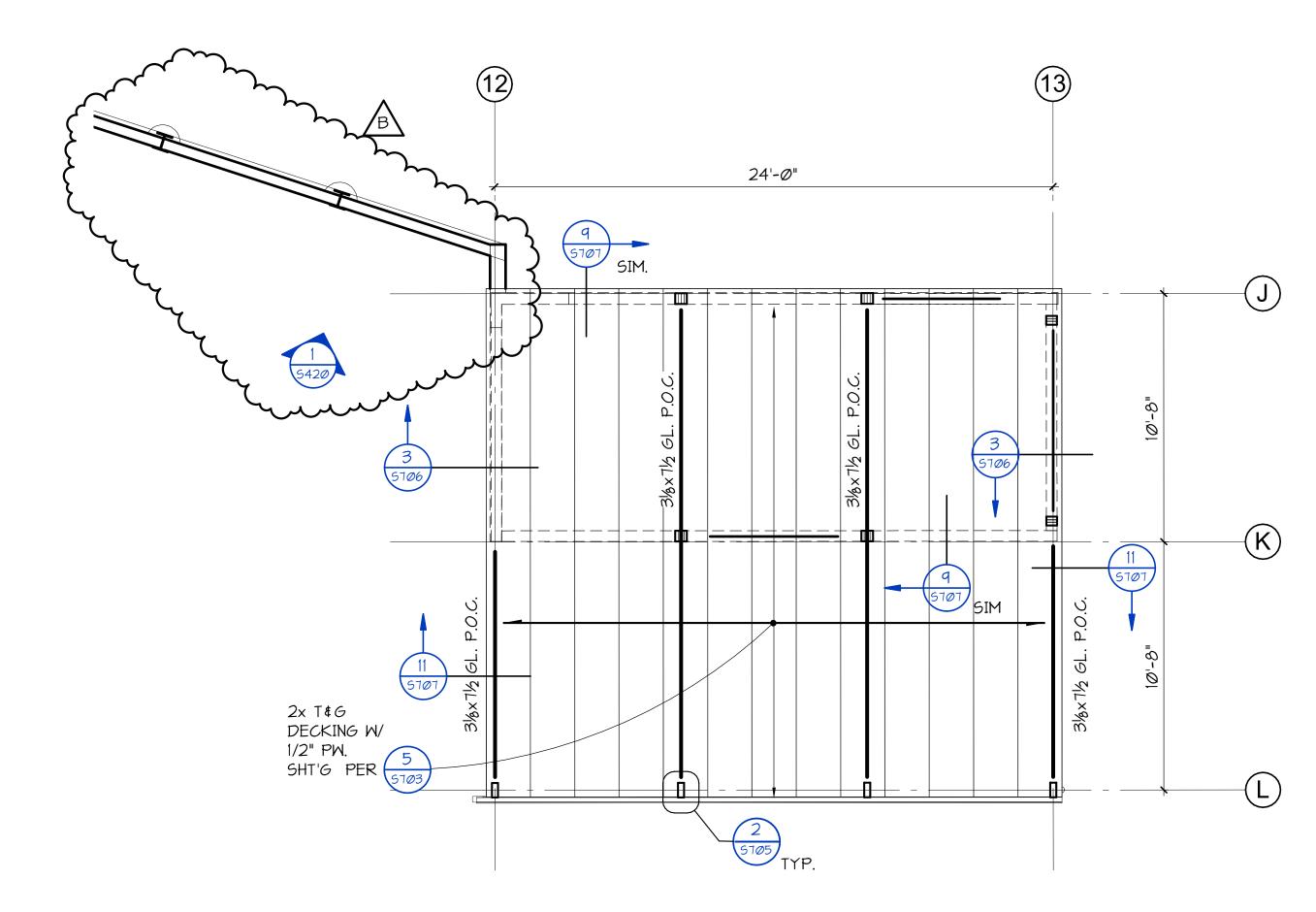
FEBRUARY 24, 2023

Ŋo.	Description	Date
À	CA REVISION	
<u>B</u>	PERMIT REVISION	12/08/23

EVW ACW Checked: M|H Proj No.: A20.0085.00

UTILITIES & PAVING PLAN C300



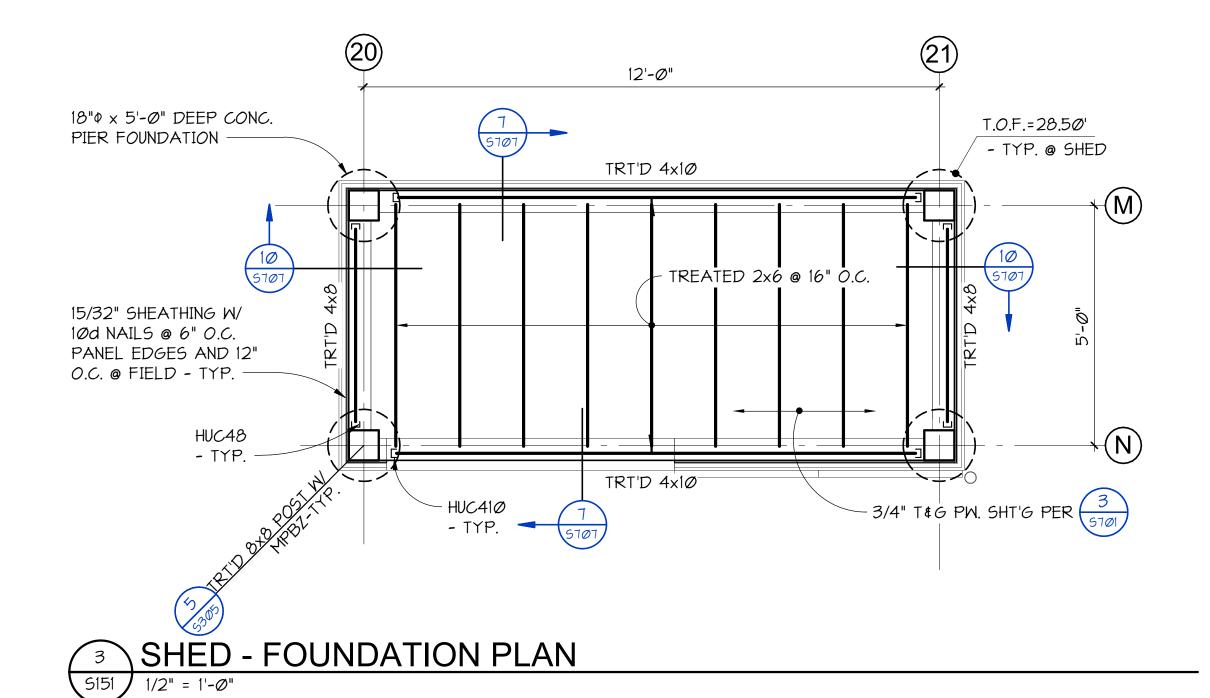


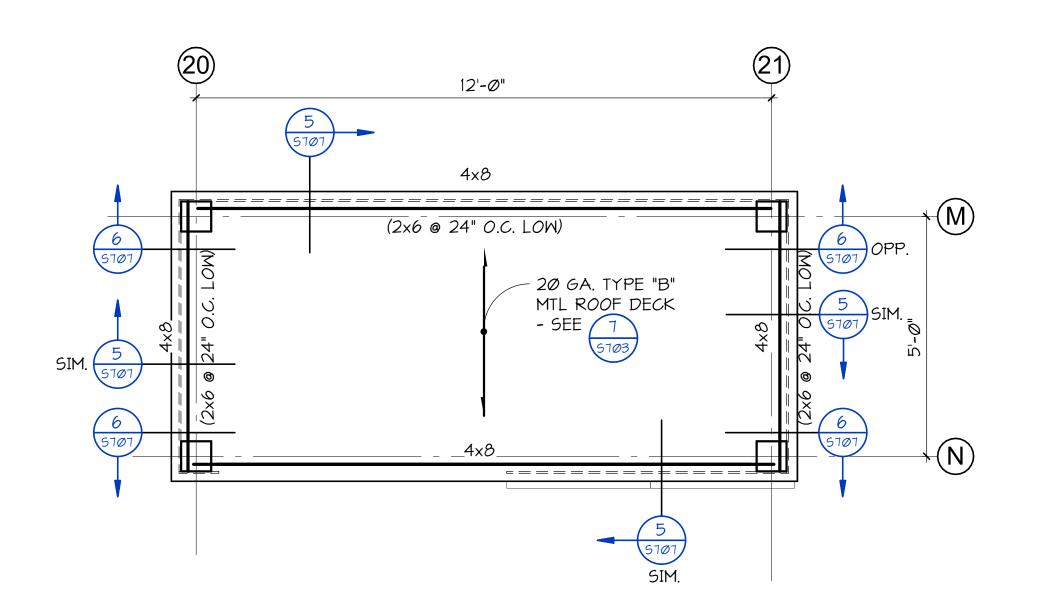
GARAGE - FOUNDATION PLAN

| S151 | 1/4" = 1'-0"

GARAGE - ROOF FRAMING PLAN

| S151 | 1/4" = 1'-0"





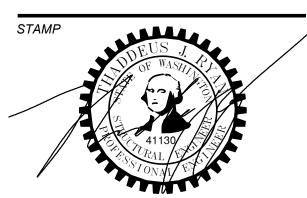
SHED - ROOF FRAMING PLAN

| S151 | 1/2" = 1'-0"

The Miller Hull Partnership, LLP
Architecture and Planning
Polson Building
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Phone: 206.682.6837
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6838 96TH AVE SE MERCER ISLAND, WA 98040

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February 24, 2023

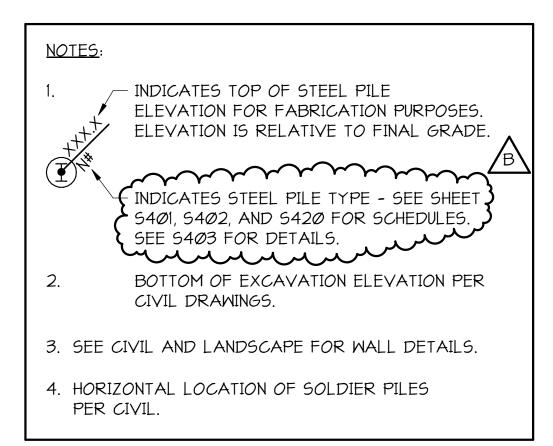
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No.	Description	Date
Α	CA REVISION	
В	PERMIT REVISION	12/8/23

Drawn: SMS
Checked: TJR
M|H Proj No.: A20.0085.00
Issue Date: February 24, 2023

CHEET

GARAGE AND SHED PLANS S151



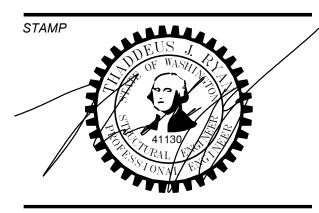




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February 24, 2023

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Issue Date: February 24, 2023

CHEET

PLAN
S400

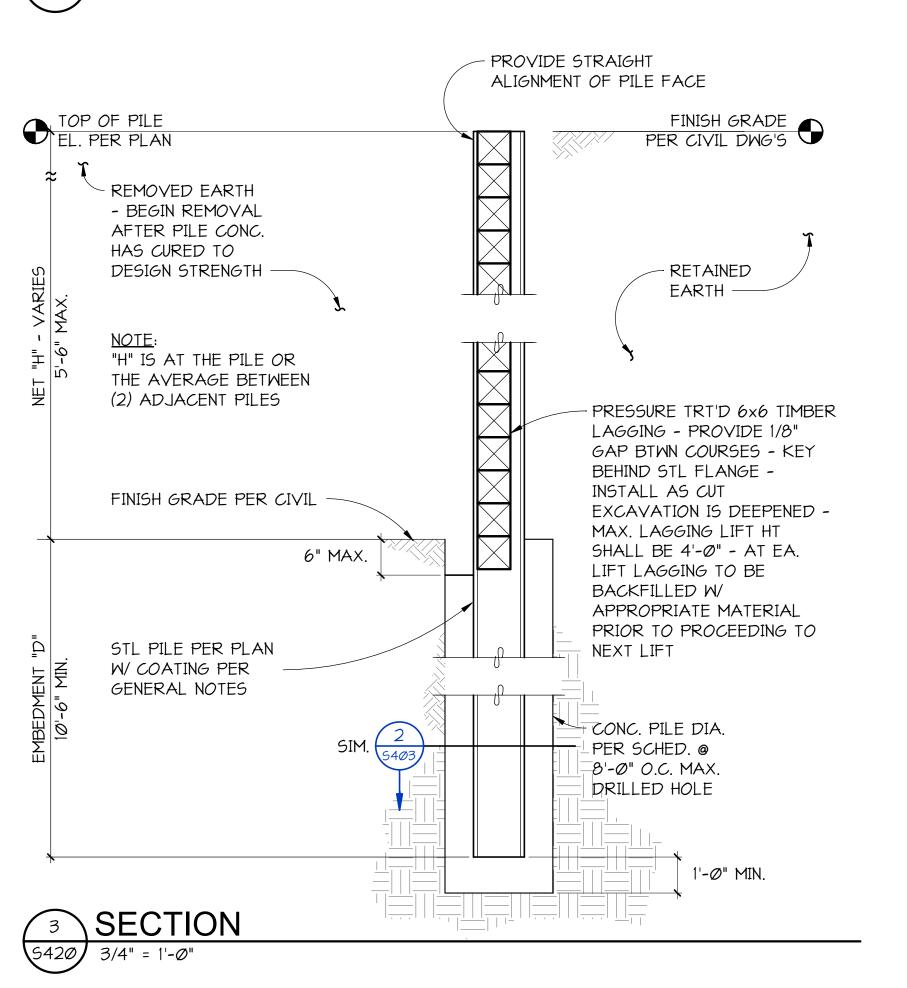
S420 3/4" = 1'-0"

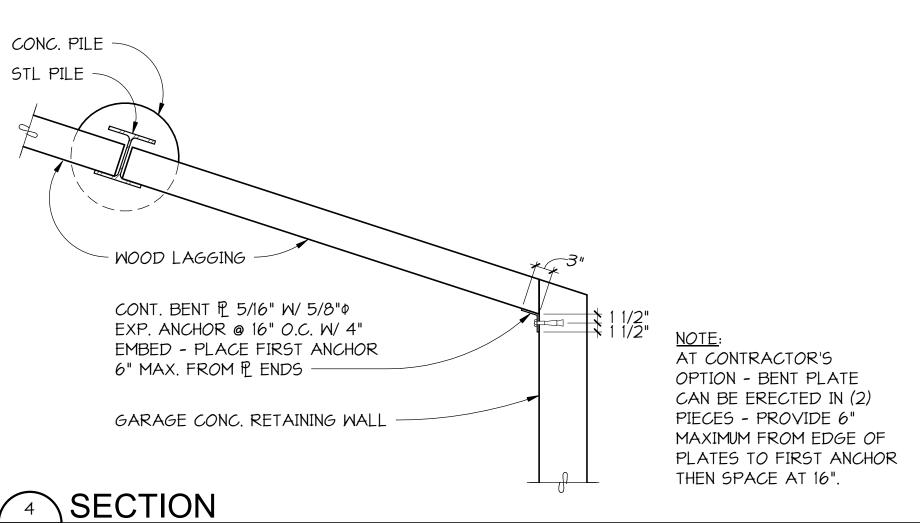
	SOI	DIER PILE S	CHEDULE	E - DRIVEWAY V	VALL	
	PILE		TOP OF	BOT. OF EXCAVATION	_ ,	BOT. OF
PILE#	SIZE	DIAMETER	PILE (1)	(2)	D (FT.)	PILE
D1	W8x40	18"	80.65'	80.30'	14'	66.30'
D2	W8x40	18"	80.65'	78.00'	14'	64.00'
D3	W8x40	18"	79.85'	76.50'	14'	62.50'
D4	W8x40	18"	78.75'	73.50'	14'	59.50'
D5	W8x40	18"	76.75'	70.40'	14'	56.40'
D6	W8x40	18"	74.75'	68.30'	14'	54.30'
D7	W8x40	18"	72.75'	66.00'	14'	52.00'
D8	W8x40	18"	70.75'	63.50'	14'	49.50'
D9	W8x40	18"	68.85'	61.50'	14'	47.50'
D10	W8x40	18"	66.85'	60.00'	14'	46.00'
D11	W8x40	18"	64.95'	58.20'	14'	44.20'

- 1. CONTRACTOR TO VERIFY TOP OF PILE ELEVATION WITH CIVIL
- 2. CONTRACTOR TO VERIFY BOTTOM OF EXCAVATION WITH CIVIL DRAWINGS.

2 SOLDIER PILE SCHEDULE

WALL ELEVATION





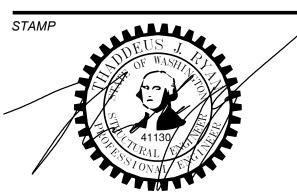
MILLER HULI The Miller Hull Partnership, LLF Architecture and Planning

Polson Building 71 Columbia, Sixth Floor Seattle, WA 98104

Phone: 206.682.6837

Contact: Name

Seattle | Tacoma | Portland www.pcs-structural.com



MERCER ISLAND HOUSE: CASCADE

6838 96TH AVE SE MERCER ISLAND, WA 98040

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December 8, 2023

Vo.	Description	Date
4	CA REVISION	
В	PERMIT REVISION	12/8/23

SMS Drawn: AED Checked: M|H Proj No.: A20.0085.00

Issue Date: December 8, 2023

GARAGE SHORING WALL ELEVATION & **DETAILS**