## LORENZINI SFR

ON-SITE DETENTION DESIGN FOR PROJECTS BETWEEN 500 SF AND 9,500 SF NEW PLUS REPLACED IMPERVIOUS SURFACE AREA									
Impervious Surface Area (sf)	Detention Pipe Diameter (in)	B soils	C soils						
500 to 1,000 sf	36"	30	22	0.5	0.5	2.2	2.0	0.5	0.8
	48"	18	11	0.5	0.5	3.3	3.2	0.9	0.8
	60"	11	7	0.5	0.5	4.2	3.4	0.5	0.6
1,001 to 2,000 sf	36"	66	43	0.5	0.5	2.2	2.3	0.9	1.4
	48"	34	23	0.5	0.5	3.2	3.3	0.9	1.2
	60"	22	14	0.5	0.5	4.3	3.6	0.9	0.9
2,001 to 3,000 sf	36"	90	66	0.5	0.5	2.2	2.4	0.9	1.9
	48"	48	36	0.5	0.5	3.1	2.8	0.9	1.5
	60"	30	20	0.5	0.5	4.2	3.7	0.9	1.1
3,001 to 4,000 sf	36"	120	78	0.5	0.5	2.4	2.2	1.4	1.6
	48"	62	42	0.5	0.5	2.8	2.9	0.8	1.3
	60"	42	26	0.5	0.5	3.8	3.9	0.9	1.3
4,001 to 5,000 sf	36"	134	91	0.5	0.5	2.8	2.2	1.7	1.5
	48"	73	49	0.5	0.5	3.6	2.9	1.6	1.5
	60"	46	31	0.5	0.5	4.6	3.5	1.6	1.3

EX. CB TYPE 1 RIM=292.76 12" DI=291.06(E)

12" CONC=291.06(W)

#### GENERAL NOTES:

1. SITE PLAN PROVIDED BY CLIENT ON APRIL 22, 2022. . WALL/FOOTING/LAWN UNDERDRAIN DRAINAGE SYSTEM AND ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED UNLESS SUCH CONNECTION IS MADE AT LEAST ONE FOOT BELOW THE WALL/FOOTING/ UNDERDRAIN DRAINAGE SYSTEM AND

DETENTION TANK. 3. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES SHOWN, OR NOT SHOWN IN THEIR PROPER LOCATION.

DOWN SLOPE OF THE WALL/BUILDING FOUNDATION AND DOWNSTREAM OF THE

- 4. CONTRACTOR SHALL POT-HOLE LOCATION OF EXISTING UTILITIES TO BE RECONNECTED PRIOR TO BEGINNING CONSTRUCTION. NOTIFY ENGINEER OF ANY CONFLICTS. 5. CONTRACTOR TO VERIFY CONDITION AND GOOD WORKING ORDER OF ALL EXISTING UTILITIES TO BE RECONNECTED OR RE-USED PRIOR TO START OF CONSTRUCTION.
- 6. SOILS ON THE SITE CONSISTS OF KITSAP SILT LOAM (KpB) PER THE NRCS WEB SOIL

#### AREA BREAKDOWN:

LOT SIZE: 11,523 S.F. (0.265 AC.) EX. HARD SURFACES ON LOT: NONE NEW HARD SURFACES ON LOT: 2,867 S.F. 1,771 S.F. MAIN HOUSE ROOF: DRIVEWAY: WALKS & PATIOS 4,678 S.F. (40.6%) TOTAL NEW ON LOT:

**NEW HARD SURFACES:** 4,678 S.F. LOT PERVIOUS: 6,845 S.F. OFFSITE DRIVEWAY: TOTAL PROJECT HARD SURFACES: 4,775 S.F. TOTAL P.G.H.S.:

### LAWN AND LANDSCAPE AREA NOTE:

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

#### SOIL AMENDMENT NOTE:

AREA (A) ENCOMPASSES THE ENTIRE SITE OUTSIDE OF HARD SURFACÉS. SEE LANDSCAPE PLANS FOR TURF AND PLANTING BED AREAS. STOCKPILE SITE DUFF AND TOPSOIL FOR ALL DISTURBED PERVIOUS AREAS AND REAPPLY WITH SOIL AMENDMENT AFTER GRADING AND CONSTRUCTION. MINIMUM SCARIFICATION DEPTH 8-INCHES. PROVIDE A TOTAL OF 167 C.Y. OF AMENDMENT FOR AN AREA OF 6,752 S.F. (AREAS FOR TURF AND PLANTING BEDS TO BE DETERMINED)

#### STORM DRAINAGE NOTES:

- . FRAME AND GRATE FOR CONTROL STRUCTURE SHALL BE SET DIRECTLY OVER THE LADDER AND OFFSET SO THAT THE OVERFLOW PIPE SHALL BE VISIBLE AT THE EDGE OF THE ACCESS OPENING. 2. THE FLOW CONTROL MANHOLE SHALL BE A STANDARD TYPE II CATCH BASIN. LADDER RUNS SHALL BE UNIFORMLY SPACED 12" TO 16 1/2
- 3. ALL STEEL PIPE AND PARTS SHALL BE GALVANIZED.
- 4. THE STORAGE PIPE SHALL GENERALLY HAVE A MINIMUM OF 2 FEET OF
- 5. 6" & 8" PVC PIPE SHALL MEET ASTM D3034 SDR-35 6. FOOTING/ WALL DRAINAGE SYSTEM AND ROOF DOWNSPOUT SYSTEM SHALL NOT BE INTERCONNECTED UNLESS SUCH CONNECTION IS MADE AT LEAST ONE FOOT BELOW THE FOOTING/ WALL DRAINAGE SYSTEM AND DOWN SLOPE OF THE BUILDING FOUNDATION. PROVIDE BACKWATER VLAVES WHERE NOTED. A PUMP MAY BE REQUIRED FOR THE POOL FOOTING
- 7. APPLICANTS ARE REQUIRED TO CALL FOR INSPECTIONS. IF THE WORK DOES NOT CONFORM TO THE APPROVED PLANS, OR THE INSPECTION REVEALS OTHER CONDITIONS THAT REQUIRE MODIFICATIONS OR ADDITIONAL INFORMATION, THAT PORTION OF THE WORK WILL BE STOPPED. NO FINAL OCCUPANCY SHALL BE PERMITTED UNTIL ALL ON—SITE STORMWATER MANAGEMENT BMPS AND OTHER DRAINAGE CONTROL FACILITIES ARE
- COMPLETED, INSPECTED AND APPROVED. 8. APPLICANTS MAY BE REQUIRED TO OBTAIN A STREET OPENING PERMIT IF DRAINAGE WORK IS TO BE DONE IN THE CITY'S RIGHT-OF-WAY. IF THE

NORTH

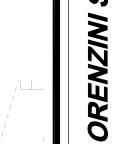
**GRAPHIC SCALE** 

1 INCH = 10 FT.

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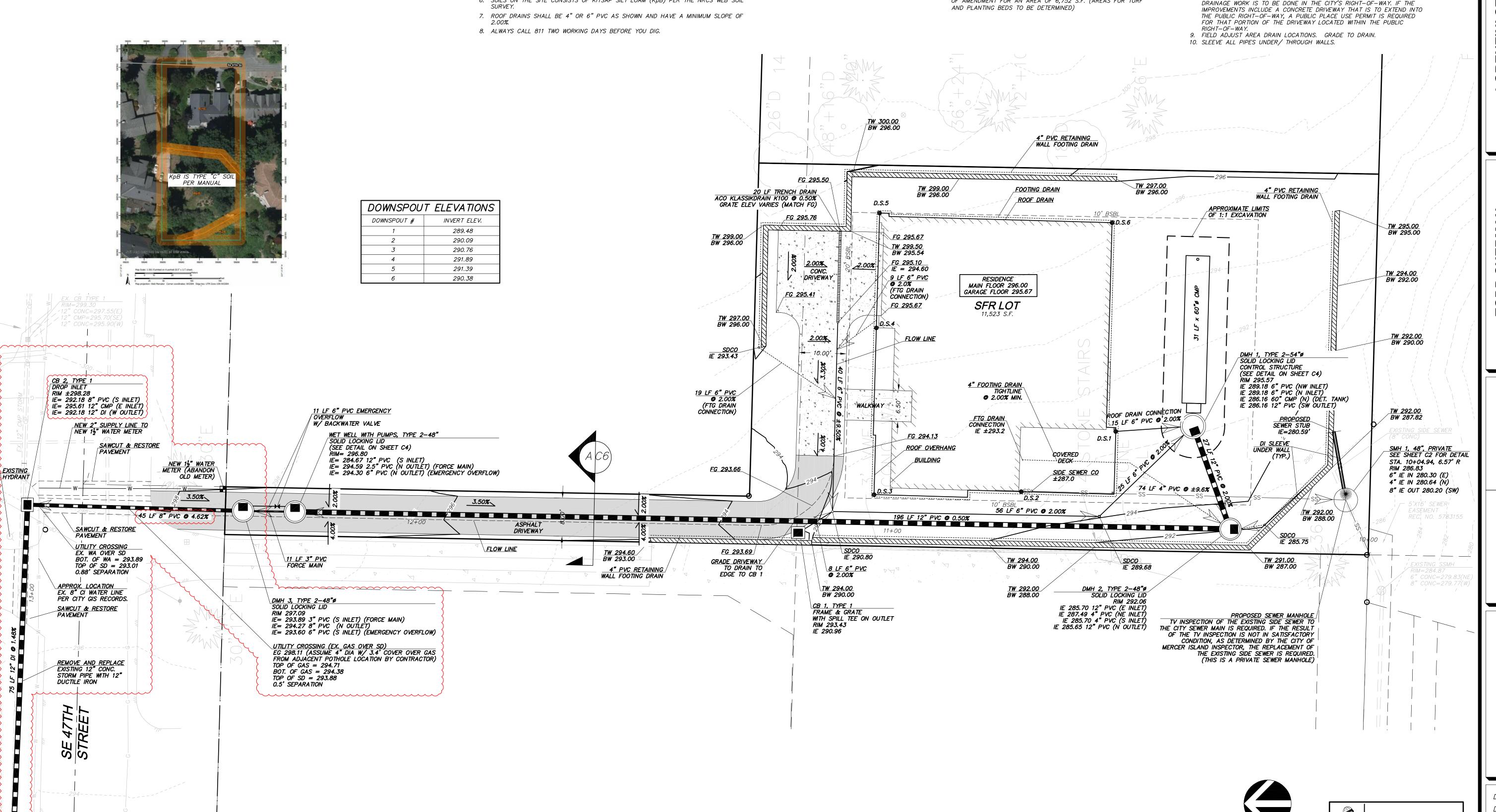
TODD SHERMAN SIGN BUILT HOM



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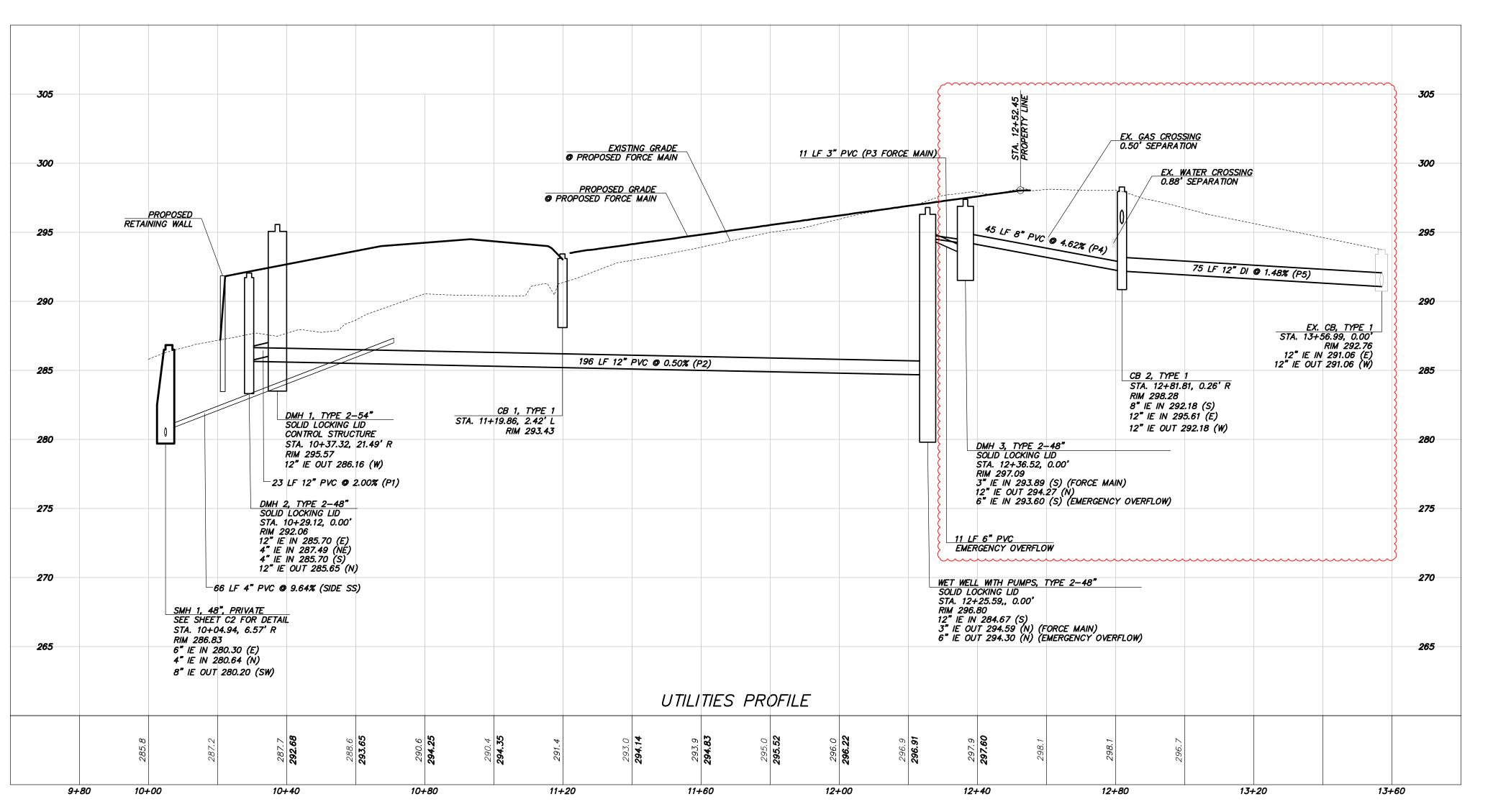
DRAFTED BY: **JSE** DESIGNED BY: JSE PROJECT ENGINEER: MAJ DATE: **07.01.22** PROJECT NO.: **21071** 

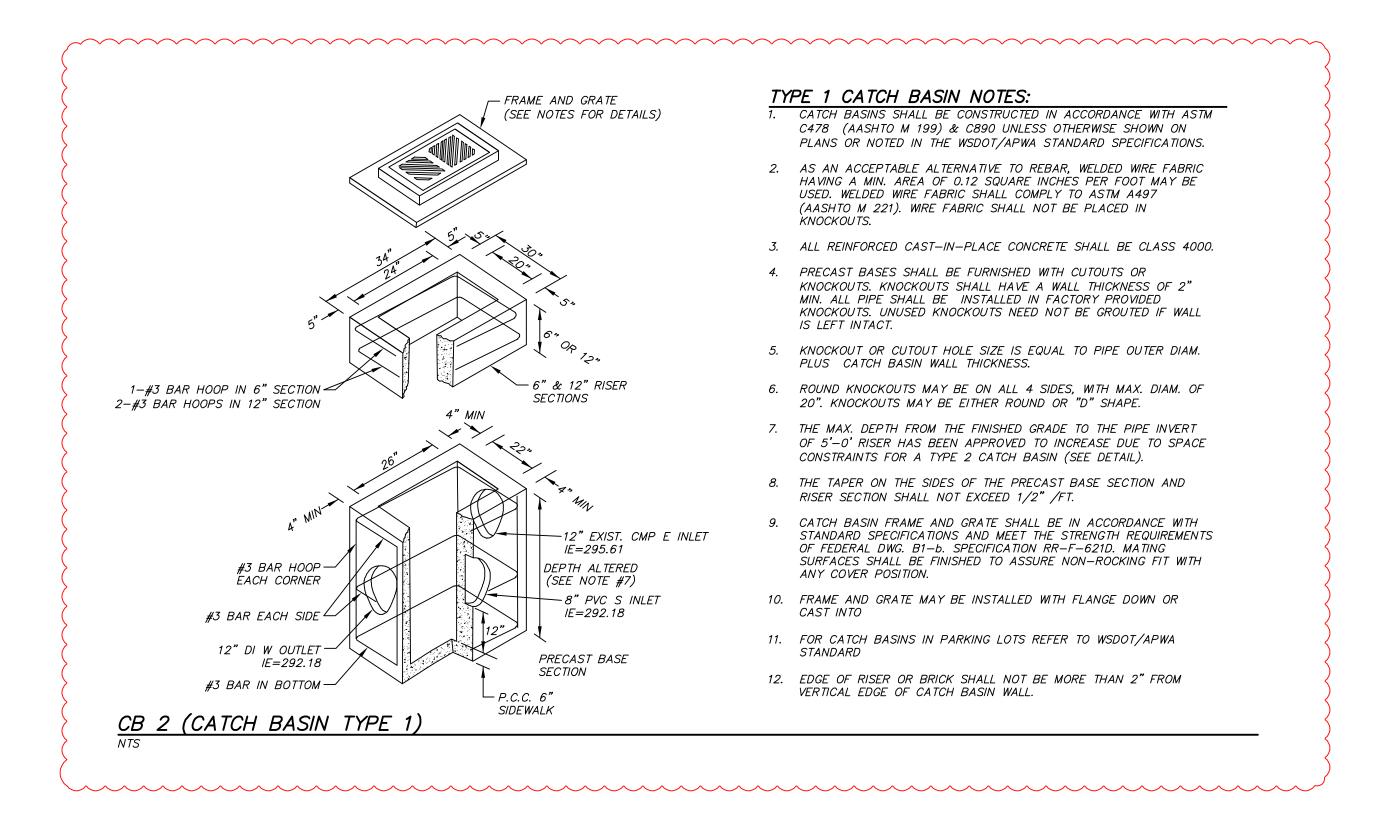
DRAWING: C4 SHEET: **4** OF **6** 



### NE 1/4 SECTION 18, TOWNSHIP 24 N, RANGE 5 E, W.M.

# LORENZINI SFR







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RENZINI SFR

1 OKIM DRAINAGE PROI 8427 SE 47TH STREE MERCER ISLAND WASHINGON 98040 PARCEL NO. 75981004

TODD SHERMAN DESIGN BUILT HOMES



REVISION

REVS. PER AGENCY COMMENTS MAJ
INVERT EDITS
STORM OUTLET REVISIONS
MAJ

DRAFTED BY: JSE

DESIGNED BY: JSE

PROJECT ENGINEER: MAJ

DATE: 07.01.22

PROJECT NO.: 21071

DRAWING: **C5**SHEET: **5** OF **6** 

