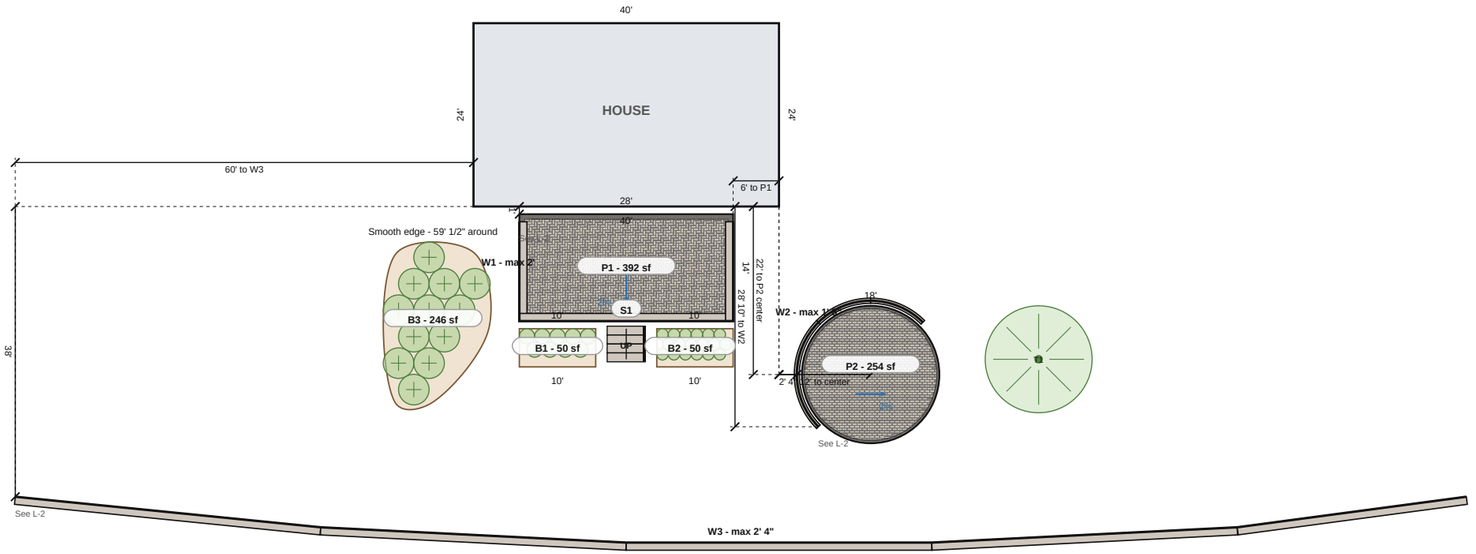


1 **SITE PLAN**

SCALE: 1" = 20'-0"

0 20'

N

GENERAL NOTES

1. Verify all dimensions, grades and property lines in the field. Call 811 for utility locates at least 2 business days before digging.
2. Paver construction per CMHA Tech Bulletin PAV-TEC-002: compacted base to 98% standard Proctor, 1" bedding sand, joints 1/16" to 3/16" filled and compacted.
3. Slope all hardscape at least 1.5% (2% preferred) away from buildings. Edge restraint on all paver edges not held by a structure.
4. Retaining walls per the block manufacturer: 6" compacted leveling pad, buried course of 6" or 10% of height, 12" clean drain stone with a 4" perforated pipe to daylight.
5. Walls holding back more than 4 ft of soil, walls over 2 ft with a surcharge (drive, patio, building or slope above), and tiered walls closer than twice the lower wall height need an engineered design (IRC R404.4). Walls over 4 ft from the bottom of the footing, or holding a surcharge, need a permit (IRC R105.2 and local amendments).
6. Guards at least 36" high where a walking surface is more than 30" above the grade below within 36" (IRC R312.1). Handrails on steps with 4 or more risers (IRC R311.7.8).
7. Topsoil and mulch depths as scheduled. Plant spacing is on center.

LEGEND

- Pavers or hardscape
- Wall or steps
- Planting bed
- Lawn
- Building
- Drain line
- Surface slope, drains this way
- Plant, drawn at mature spread
- Location dimension from the house, to stake from

PREPARED BY

Sample Contracting Co.
100 Main St, Anytown

PROJECT

Backyard terrace
Client: Sample client
123 Example St

NOTICE

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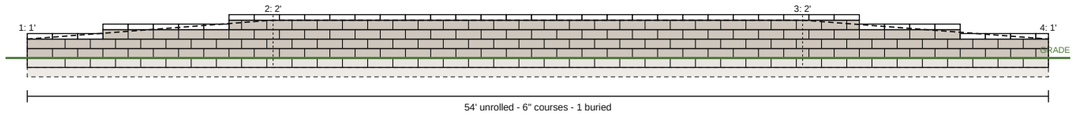
SCALE
1" = 20'-0"

DRAWN BY
SC

SHEET SIZE
ANSI B (11" x 17")

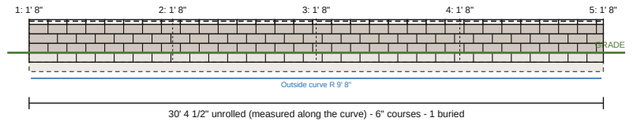
SHEET TITLE
SITE PLAN & NOTES

L-1



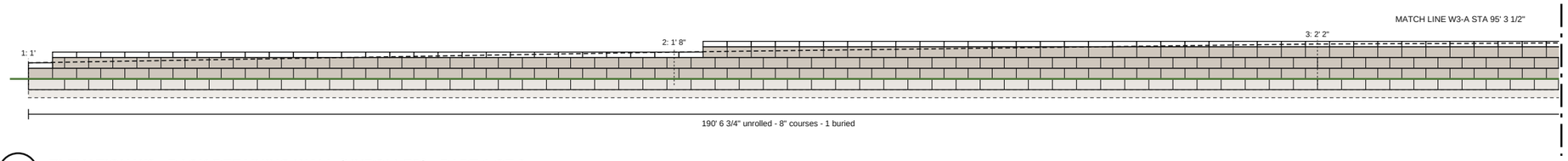
W1 ELEVATION W1 - TERRACE WALL (UNROLLED)

SCALE: 1/8" = 1'-0"



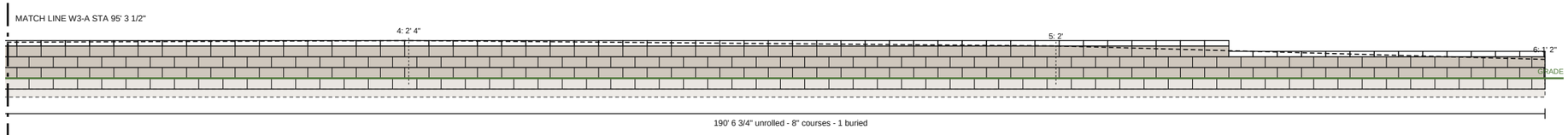
W2 ELEVATION W2 - SEAT WALL (UNROLLED)

SCALE: 1/8" = 1'-0"



W3 ELEVATION W3 - BACK RETAINING WALL (UNROLLED) - PART 1 OF 2

SCALE: 1/8" = 1'-0"



W3 ELEVATION W3 - BACK RETAINING WALL (UNROLLED) - PART 2 OF 2

SCALE: 1/8" = 1'-0"

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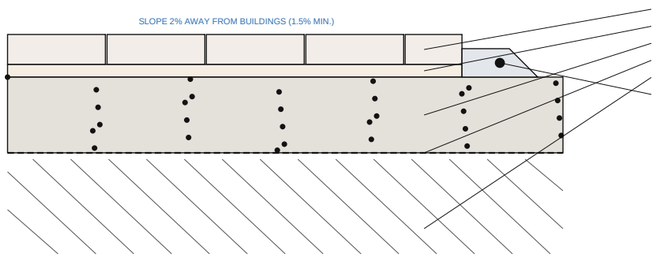
SCALE
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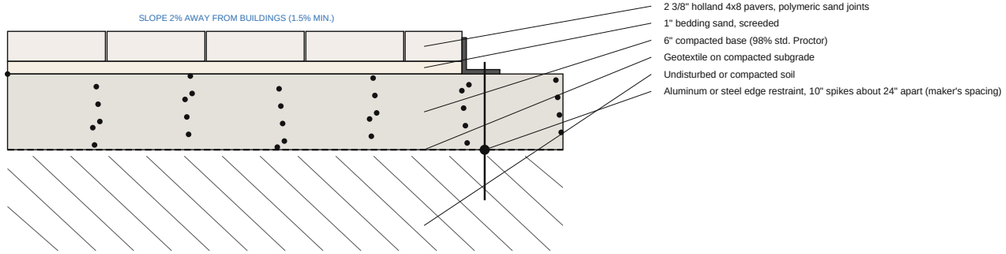
SHEET TITLE
WALL ELEVATIONS

L-2



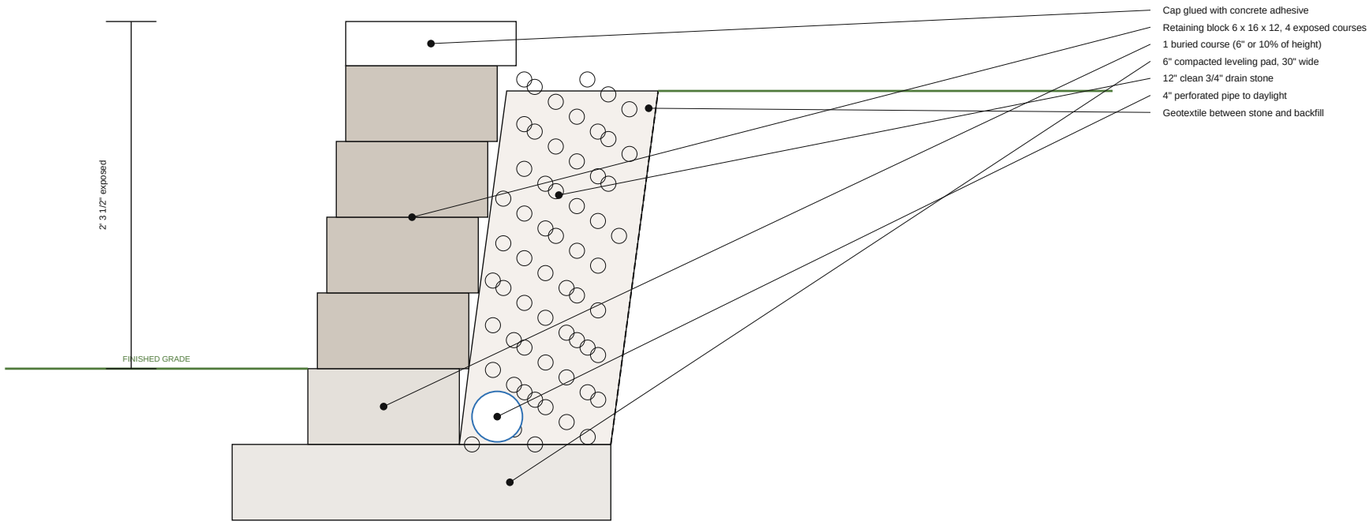
D1 PATIO SECTION

SCALE: 1" = 1'-0"
At P1



D2 PATIO SECTION

SCALE: 1" = 1'-0"
At P2



D3 RETAINING WALL SECTION

SCALE: 1" = 1'-0"
At W1

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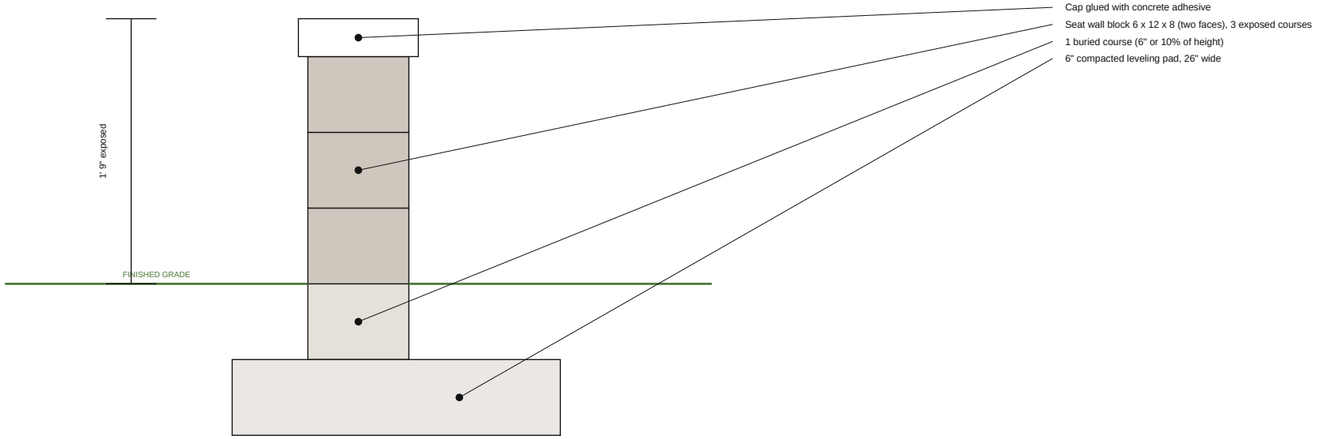
SCALE
As noted

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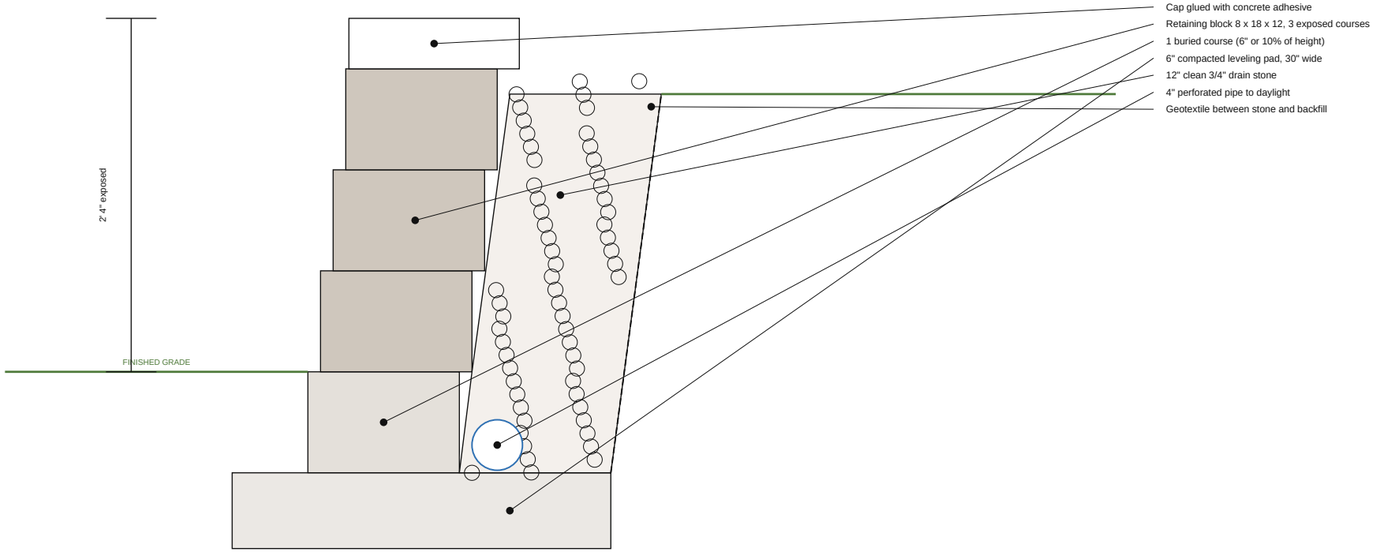
SHEET TITLE
TYPICAL SECTIONS

L-3



D4 SEAT WALL SECTION

SCALE: 1" = 1'-0"
At W2



D5 RETAINING WALL SECTION

SCALE: 1" = 1'-0"
At W3

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SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
TYPICAL SECTIONS

L-4

SCHEDULES & BUY LIST

TAG / QTY	NAME	BUILD	SIZE	BASE / HEIGHT	QUANTITIES
AREAS, WALLS, BEDS AND LAWN					
P1	Terrace	Concrete pavers, Holland 4x8, Herringbone 90°, soldier border	392 sf	6" base, dig 9 3/8"	2173 pcs, 173 cuts; 30 LF edge, concrete toe
W1	Terrace wall	Retaining block 6 x 16 x 12	54' long	max 2', avg 1' 9"	190 block, 43 caps
S1	Terrace steps	Retaining block 6 x 16 x 12	4 steps, 60" wide	6" rise, 14" tread, handrail one side	42 block, 16 caps
P2	Fire pit patio	Concrete pavers, Holland 4x8, Running bond, sailor border	254 sf	6" base, dig 9 3/8"	1383 pcs, 234 cuts; 55 LF edge, aluminum or steel
W2	Seat wall	Seat wall block 6 x 12 x 8 (two faces), freestanding	30' 4 1/2" long	max 1' 8", avg 1' 8"	128 block, 22 caps
B1	Bed below the wall	Bark 3" over 6" topsoil	50 sf	30 LF edging	9 ornamental grass, 1 gal
B2	Bed below the wall, east	Bark 3" over 6" topsoil	50 sf	30 LF edging	18 perennial, 1 gal
B3	Corner bed	Bark 3" over 6" topsoil	246 sf	59 LF edging	12 shrub, 5 gal
W3	Back retaining wall	Retaining block 8 x 18 x 12	190' 6 3/4" long	max 2' 4", avg 1' 10 1/4"	490 block, 134 caps
PLANT SCHEDULE					
9	Ornamental grass, 1 gal	perennial	2' spread		$162
18	Perennial, 1 gal	perennial	1' 6" spread		$324
12	Shrub, 5 gal	shrub	4' spread		$660
1	Deciduous tree, 2 in. caliper	tree	14' spread		$350

BUY LIST

SEL.	ITEM	QTY	NOTE (ALLOWANCE, CONVERSION)	COST
L1	Pavers, Holland 4x8	778 sf	7.5 pallets at 105 sf; laid area plus cut pieces and border courses from the paver layout, P1, P2	$3,307
	Base gravel, crushed (D-1)	42.1 ton	= 31.2 CY (15 paver areas, 15.7 walls, 0.5 steps); compacted depth x 1.25 for compaction, at 1.35 ton per CY	$1,347
	Bedding sand, concrete sand	2.7 ton	= 2 CY; 1 in. screeded bedding layer, at 1.35 ton per CY	$108
	Geotextile fabric	1560 sf	+10% for overlaps: under the base, behind walls	$390
	Edge restraint spikes, 10 in.	28 ea	one per 2 ft of aluminum or steel	$13
	Polymeric sand	14 bag	about 50 sf per bag, check the label	$448
L4	Retaining block 6 x 16 x 12	190 ea	W1, 5% extra	$1,235
L5	Seat wall block 6 x 12 x 8 (two faces)	128 ea	W2, 5% extra; courses on curves counted on their own radius	$768
L6	Retaining block 8 x 18 x 12	490 ea	W3, 5% extra	$4,410
L7	Caps for retaining block 6 x 16 x 12	43 ea	W1, 5% extra	$366
L8	Caps for seat wall block 6 x 12 x 8 (two faces)	22 ea	W2, 5% extra; taper-cut on curves	$264
L9	Caps for retaining block 8 x 18 x 12	134 ea	W3, 5% extra	$1,474
L10	Retaining block 6 x 16 x 12 for steps	42 ea	S1, 5% extra	$273
L10	Step caps for retaining block 6 x 16 x 12	16 ea	S1, 5% extra	$136
	Cap adhesive, 10 oz	20 tube	one tube per 15 LF of capped wall	$180
	Drain rock, clean 3/4 in.	31.3 ton	= 22.4 CY (22.4 walls); at 1.4 ton per CY	$1,189
	Perforated drain pipe, 4 in.	265 LF	wall length + 10 ft outlet to daylight per retaining wall	$424
	Topsoil, screened	6.4 CY	depths as scheduled, in place	$288
L12	Bark mulch	3.2 CY	depth as scheduled	$144
	Landscape fabric (beds)	381 sf	+10% for overlaps	$95
L11	Steel or aluminum edging	120 LF	bed edges not held by paving, walls or buildings	$300
L13	Ornamental grass, 1 gal	9 ea		$162
L14	Perennial, 1 gal	18 ea		$324
L15	Shrub, 5 gal	12 ea		$660
L16	Deciduous tree, 2 in. caliper	1 ea		$350
	Concrete mix, 80 lb bags (edge restraint), concrete toe	6 bag	P1 concrete toe 6 x 2 1/4 in. (30 LF); 0.6 cf per bag, +10%	$45
	Paver edge restraint, aluminum or steel	55 LF	about 7 pieces of 8 ft; 55 LF on curves: bend it to the curve, spikes closer together	$248
	MATERIAL TOTAL			$18,947

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SHEET TITLE
SCHEDULES & BUY LIST

L-5