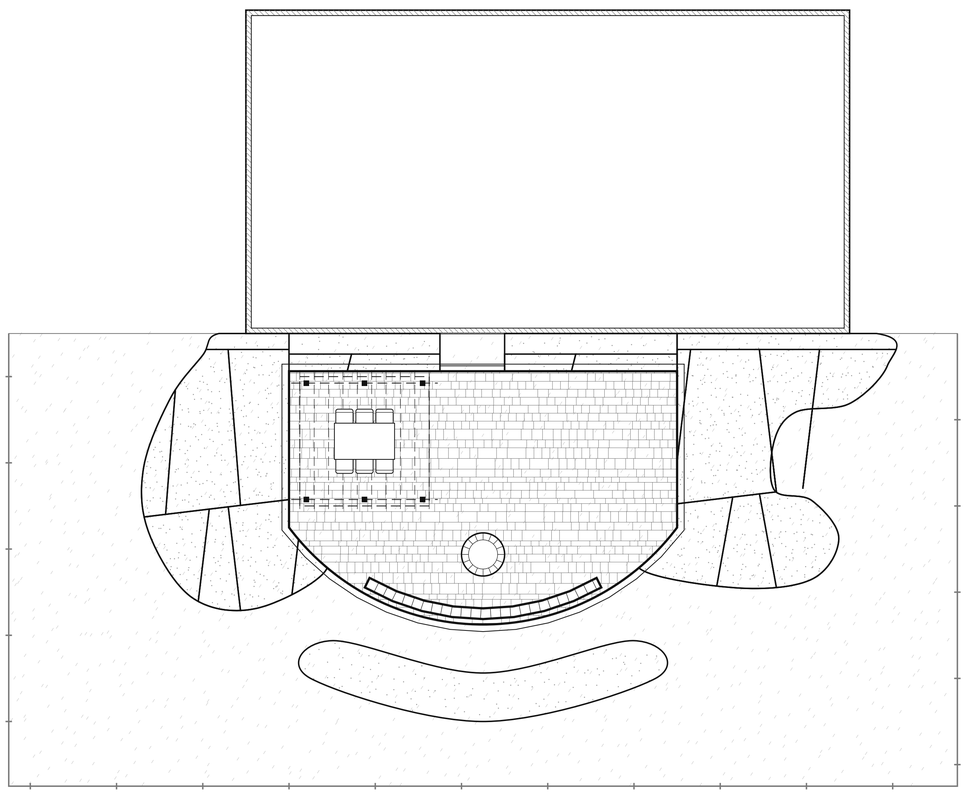
Fire pit terrace and gardens

Quillfeather residence · 2417 Quillwort Ln, Larkfield, OH

Prepared for permit submittal

Landscape and hardscape improvements · version 1 · 10/24/26

Key plan



Sheet index

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L-101	Concept
L-102	Layout and dimension plan
L-103	Hardscape plan
L-104	Grading and drainage plan
L-105	Planting plan and schedule
L-106	Lighting plan
L-107	Irrigation plan
L-501	Construction details

The house



1 / L-001 **House, south elevation**

1/8" = 1'-0". Two storeys, lap siding, slate shingles at 8 in 12.

Walls

Seat wall round the fire pit, 1'-8" above grade, freestanding (it retains no soil); under 4 ft from the bottom of its base to its top, the company's engineering line, so built to the details in this set.

Not to scale: each plan sheet is drawn at its own scale, noted on the sheet, with its own graphic scale.

General notes

Call 811 at least 48 hours before digging. Verify site conditions, property lines and utilities before work starts; report differences to the designer. Work to the codes and permits of the authority having jurisdiction. Changes to this set need the designer's and the customer's approval in writing.

Larkfield Grounds & Design
(614) 555-0142
office@larkfieldgrounds.example
Licence Sample
Grounds cared for, gardens built to last.

Project

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Quillfeather residence

2417 Quillwort Ln, Larkfield, OH

Prepared for permit submittal

10/24/26. For the building department's review.

Revisions

No.	Date	Description
1	10/24/26	First design

Drawn: TD

Sales: MR

Date: 10/24/26

Scale: As noted

Cover and sheet index

L-001



Materials

- Unilock Richcliff, Pebble Taupe, random, mixed sizes
- Polycor (Indiana Limestone Company) 6" Landscape Steps (Indiana Limestone), Indiana Limestone - Full Color Blend
- Unilock Estate Wall, Granite
- Double-shredded hardwood mulch

General notes

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Drawn
TD

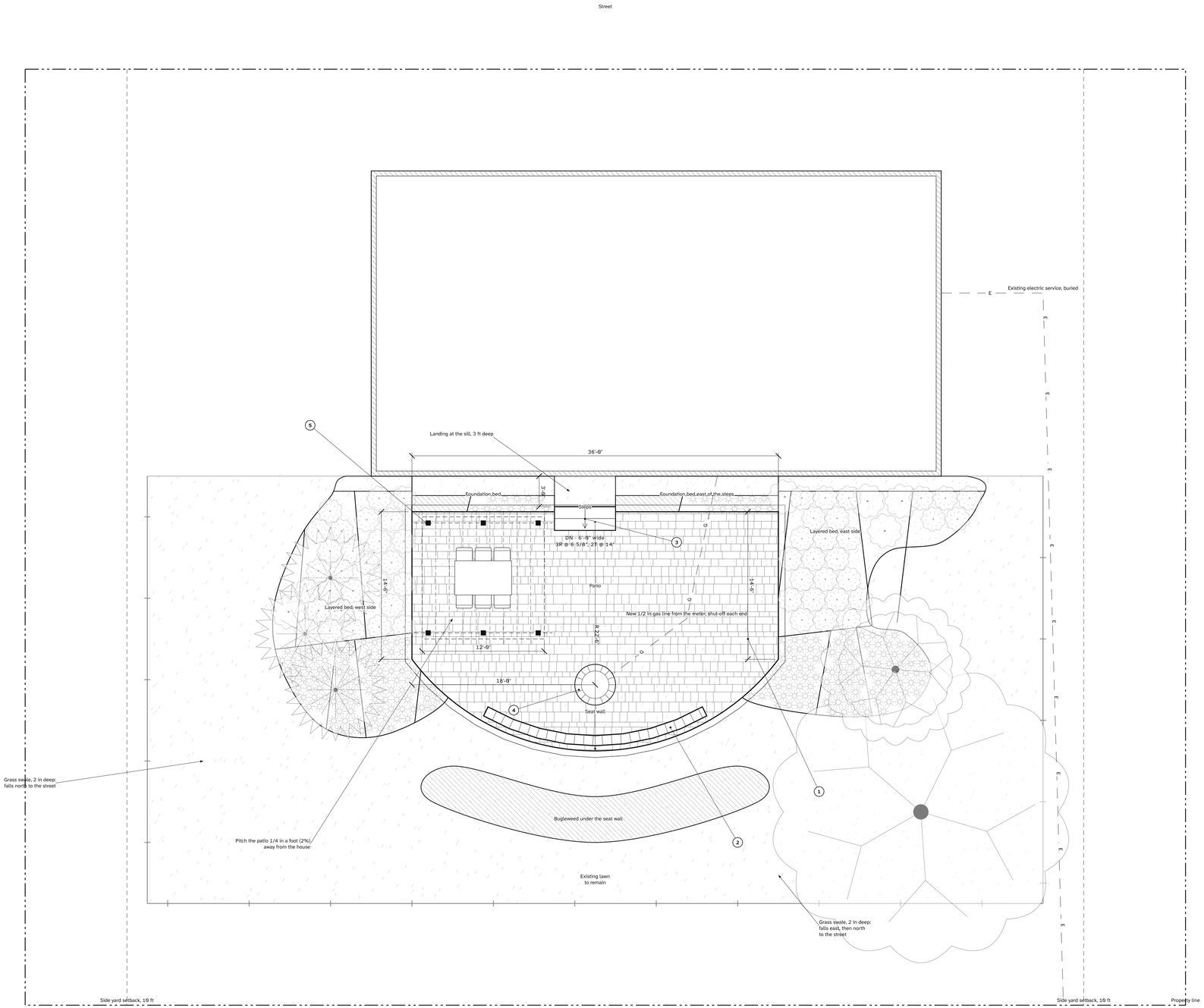
Sales
MR

Date
10/24/26

Scale
1/4" = 1'-0"

Concept

L-101



Construction notes

1. **Curved paver patio with a soldier border.** Unilock Richcliff, Pebble Taupe, 11.875 × 8.875 in, random, mixed sizes. Border: Unilock Copthorne, Basalt, soldier course. Build-up: paver thickness 2 3/8 in, bedding sand 1 in, base depth 4 in, dig depth 7 3/8 in. Detail 1/L-501.
2. **Seat wall round the fire pit.** Seat 20 in above the patio. Unilock Estate Wall, Granite. Build-up: 1'-8" above grade, block height 6 in, buried at least 6 in, base width 18 in, base depth 7 5/8 in, 5 courses. Details 2/L-501, 3/L-501.
3. **Low-voltage lighting: seat wall, steps, paths and trees.**
4. **Fire pit.** Fire pit, 4 × 4 ft: Gas fire pit, 44 in round, block to match the wall. A 44 in round natural-gas fire pit in the seat wall's block: a listed stainless burner ring and pan with lava rock and a key valve, on a compacted base. The price includes the 1/2 in gas line from the meter, with shut-offs at the house and at the pit, run by a licensed plumber under its own permit.
5. **Pergola.** Pergola, 12 × 12 ft: Cedar pergola over the dining end, 12 × 12 ft. A 12 × 12 ft western red cedar pergola on six 6 × 6 posts (three a side, 6 ft apart) on 12 in concrete piers below the frost depth, with doubled 2 × 10 beams spanning 6 ft between posts, 2 × 10 rafters at 16 in, and a 45° knee brace each way at every post; members to the IRC span tables (IRC R507.5 and R507.6).

Legend

- Paving
- Steps
- Wall
- Planting bed
- Existing electric service, buried
- New 1/2 in gas line from the meter; shut-off each end
- Existing, to remain

Details

- Gas fire pit section: 6/L-501
- Pergola post footing: 7/L-501

General notes

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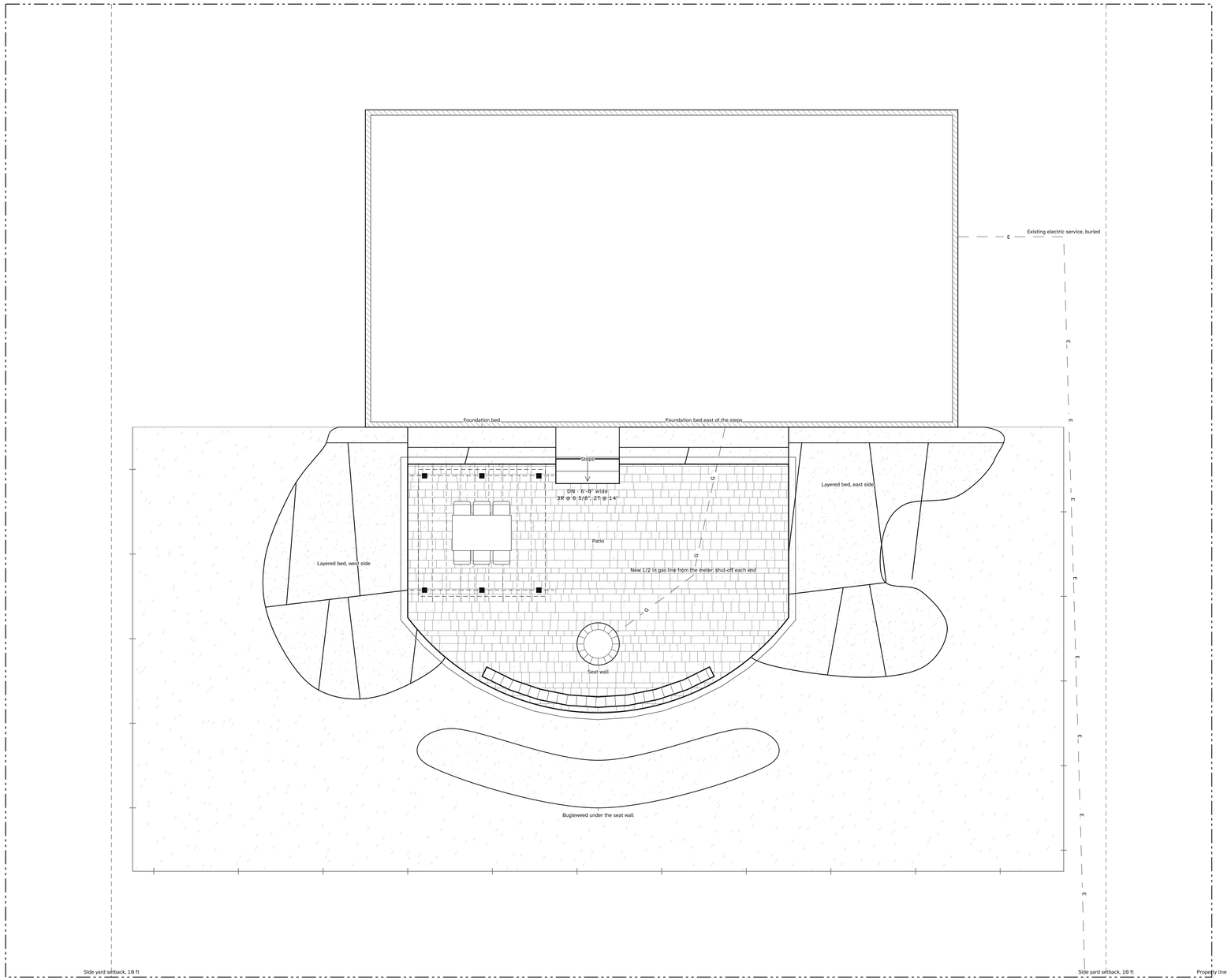
Revisions

No.	Date	Description
1	10/24/26	First design

Drawn: TD
Sales: MR
Date: 10/24/26
Scale: 3/16" = 1'-0"

Layout and dimension plan

L-102



N

0 4 8 ft

3/16" = 1'-0"

Materials

- Unilock Richcliff, Pebble Taupe, random, mixed sizes
- Polycor (Indiana Limestone Company) 6" Landscape Steps (Indiana Limestone), Indiana Limestone - Full Color Blend
- Unilock Estate Wall, Granite
- Double-shredded hardwood mulch

Dimensions: see L-102.

Walls

Seat wall round the fire pit, 1'-8" above grade, freestanding (it retains no soil): under 4 ft from the bottom of its base to its top, the company's engineering line, so built to the details in this set.

Legend

- Paving
- Steps
- Wall
- Planting bed
- Existing electric service, buried
- New 1/2 in gas line from the meter; shut-off each end
- Existing, to remain

Details

- Paver section: 1/L-501
- Seat wall section: 2/L-501
- Wall elevation: 3/L-501
- Steps and landing section: 4/L-501
- Steps elevation: 5/L-501
- Gas fire pit section: 6/L-501
- Pergola post footing: 7/L-501

Hardscape notes

Install pavers, walls and steps to the manufacturer's installation guide and the details in this set. Base compacted to 98% standard Proctor in 4–6 in lifts. Joints swept with polymeric sand and misted. Tolerance: 3/8 in under a 10 ft straightedge.

General notes

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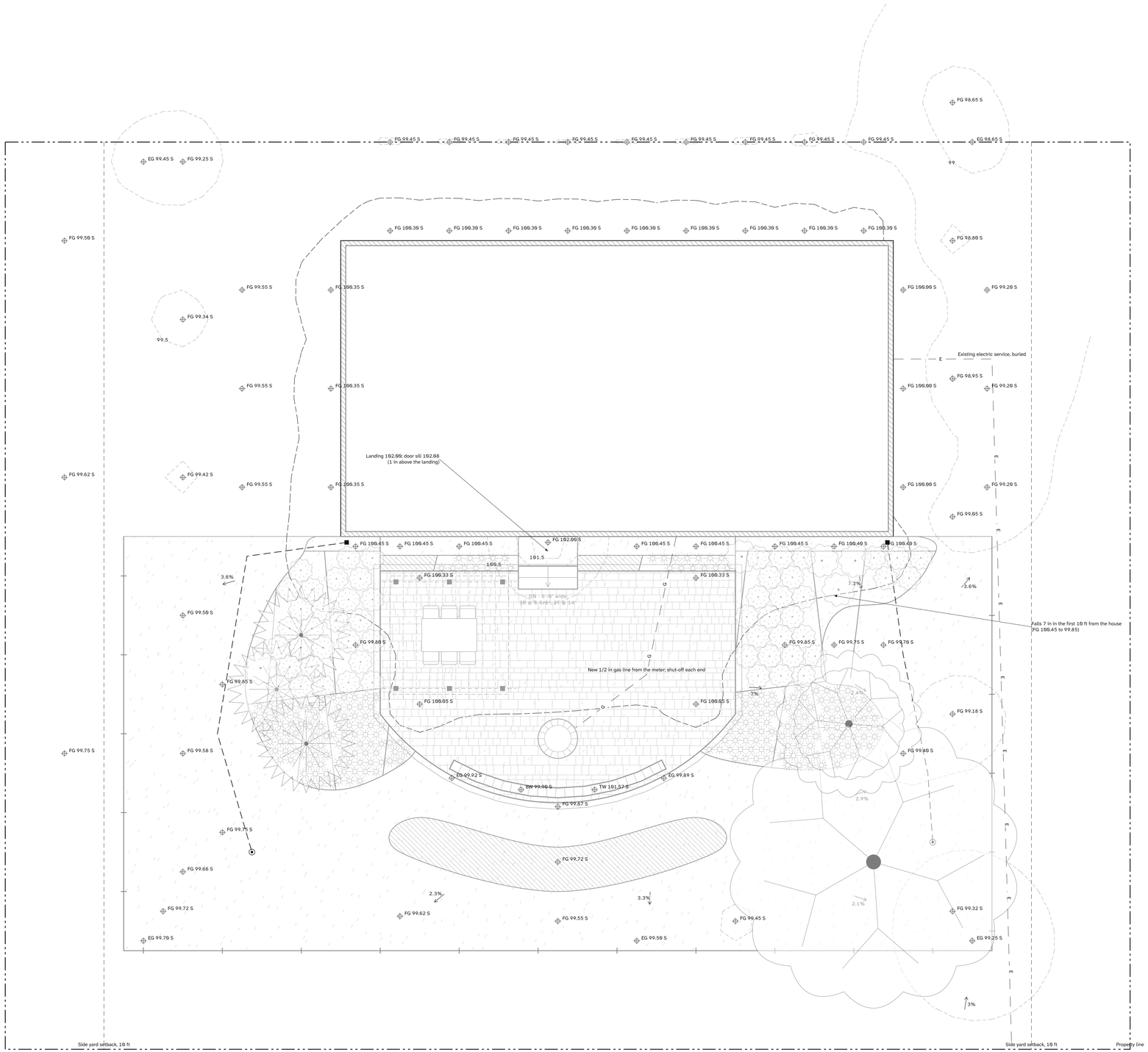
Revisions

No.	Date	Description
1	10/24/26	First design

Drawn: TD
Sales: MR
Date: 10/24/26
Scale: 3/16" = 1'-0"

Hardscape plan

L-103



N

0 4 8 ft

3/16" = 1'-0"

Grading legend

- Contour, every 0.5 ft, with its elevation
- Down the slope, with the slope
- ◆ FG — Spot grade: FG finished, EG existing, TW / BW top and bottom of wall, TC top of curb, in feet to 0.01
- S — After a spot grade, where it came from: S survey
- Drain line
- Catch basin
- Downspout
- Pop-up emitter at the pipe's end

No benchmark on the plan: elevations are not tied to a point on site.

Contours from the 78 spot grades on the plan (finished, else existing). Check grades on site before building.

Finished grade falls away from the house at least 5% (6 in in the first 10 ft), 2% for paving within 10 ft (IRC R401.3). Patios fall 1–2% (1/8–1/4 in a ft) away from the house (CMHA/ICPI). Drains fall at least 1% to a free outlet.

Services

- E — Existing electric service, buried
- G — New 1/2 in gas line from the meter; shut-off each end

Details

- Downspout line section: 8/L-501

Grading and drainage notes

Finished grade falls away from the house at least 6 in in the first 10 ft. Keep existing drainage paths open. Silt fence or wattles below disturbed ground until it is stabilized. Compact fill in 6 in lifts. Water leaves the lot where it does today; no new flow onto a neighbor's property. Seed and cover disturbed slopes steeper than 10% with erosion-control blanket until the grass is established.

General notes

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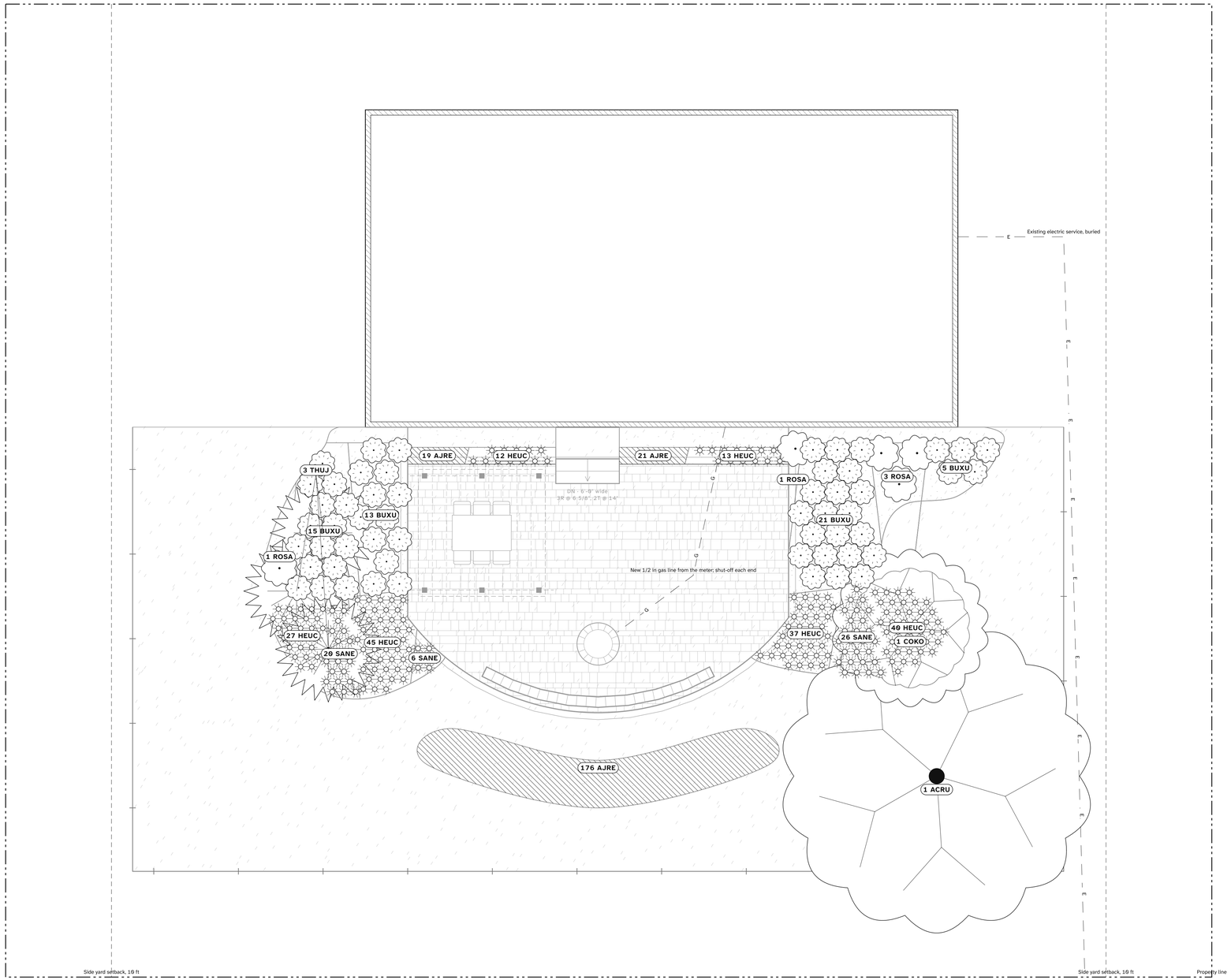
Revisions

No.	Date	Description
1	10/24/26	First design

Drawn: TD
Sales: MR
Date: 10/24/26
Scale: 3/16" = 1'-0"

Grading and drainage plan

L-104



N

0 4 8 ft

3/16" = 1'-0"

Plant schedule

Code	Qty	Botanical name	Common name	Size	Spacing
Deciduous trees					
COKO	1	*Cornus kousa*	Kousa dogwood	2 in caliper B&B	As shown
ACRU	1	*Acer rubrum*	Red maple	2 in caliper B&B	As shown
Evergreen trees					
THUJ	3	*Thuja* 'Green Giant'	Arborvitae 'Green Giant'	6 ft B&B	As shown
Evergreen shrubs					
BUXU	54	*Buxus* 'Green Velvet'	Boxwood 'Green Velvet'	3 gal	30 in o.c., triangular
Shrubs					
ROSA	5	*Rosa Knock Out® Group*	Knock Out rose	3 gal	42 in o.c., triangular
Perennials					
HEUC	174	*Heuchera* 'Palace Purple'	Coral bells 'Palace Purple'	1 gal	14 in o.c., triangular
SANE	52	*Salvia nemorosa*	Meadow sage	1 gal	15 in o.c., triangular
Groundcovers					
AJRE	216	*Ajuga reptans*	Bugleweed	1 qt	12 in o.c., triangular
Plants	**506**				

Quantities are the estimate's. Plant at the spacing and sizes listed; substitutions need the designer's approval.

Services

E Existing electric service, buried

G New 1/2 in gas line from the meter; shut-off each end

Details

- Tree planting: 9/L-501

General notes

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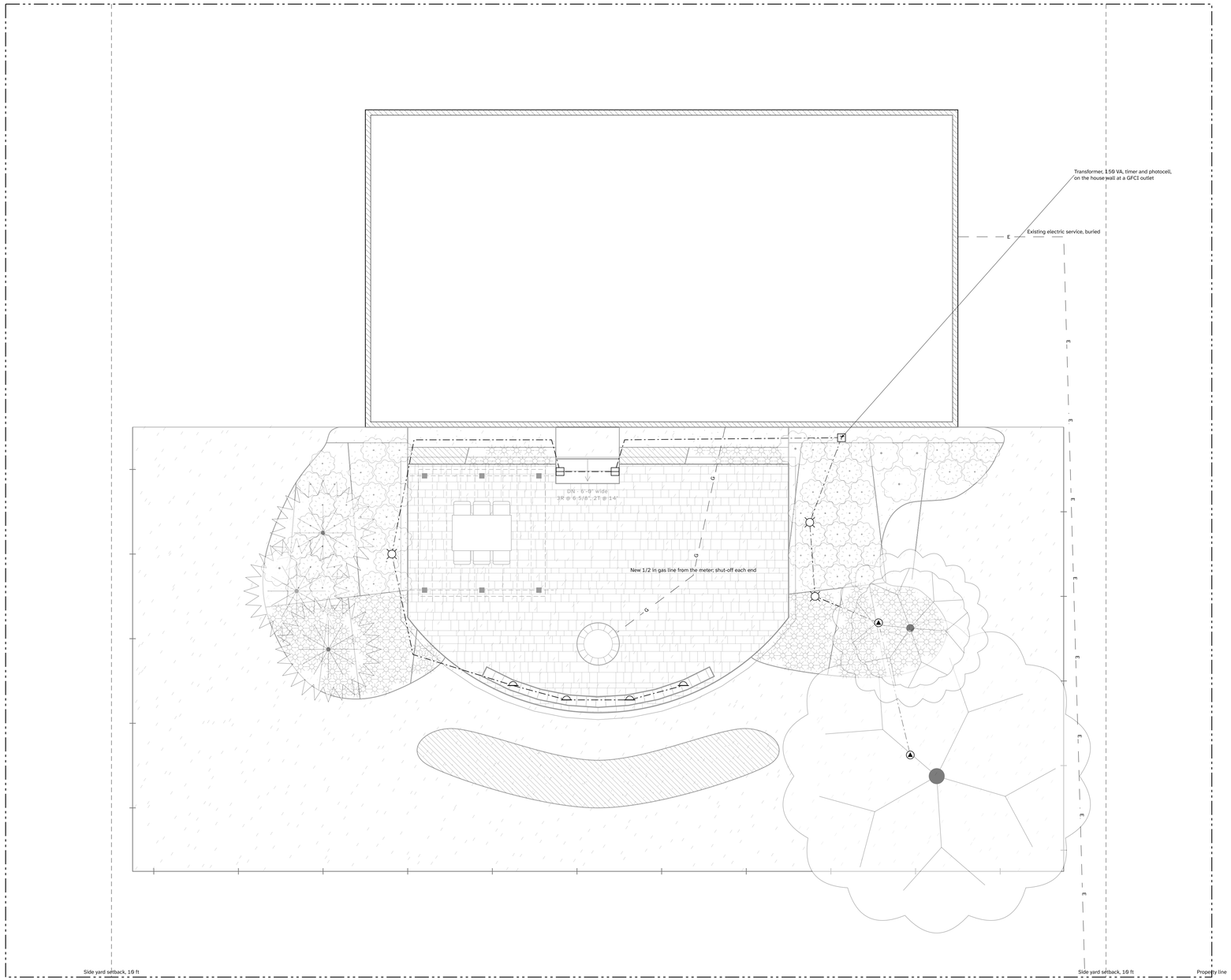
No.	Date	Description
1	10/24/26	First design

Drawn: TD
Sales: MR
Date: 10/24/26
Scale: 3/16" = 1'-0"

Planting plan and schedule

L-105

Sheet 6 of 9



N

0 4 8 ft

3/16" = 1'-0"

Lighting schedule

Fixture	Qty	Each
Cap light, LED, 2700 K	4	5 W
Step light, LED, 2700 K	2	5 W
Path light, LED, 2700 K	3	5 W
Up light, LED, 2700 K	2	5 W
Low-voltage transformer, 150 VA, multi-tap 12–15 V, timer and photocell	1	150 VA
12 AWG direct-burial cable, 2 runs	127 ft drawn	

Load: 11 fixtures × 5 W = 55 W (VA), 37% of the 150 VA transformer (keep it under 80%). Longest run 92 ft carrying 35 W: about 0.9 V lost on 12 AWG, so 11.1 V at its last fixture from the 12 V tap; wire it from the 12 V tap so every fixture sees 10.5–12 V.

Low-voltage, 12 V. Fixtures are aimed on site at night with the customer.

Legend

- Cap light
- Step light
- Path light
- Up light (spot)
- Transformer
- Wire run
- Existing electric service, buried
- New 1/2 in gas line from the meter; shut-off each end

Lighting notes

Low-voltage (12 V) lighting on a plug-in transformer with a timer or photocell. 12 AWG direct-burial cable, 6 in deep in beds and lawn, in conduit under paving. The transformer's outdoor outlet (GFCI, in-use cover) by a licensed electrician where none exists (not in this price).

General notes

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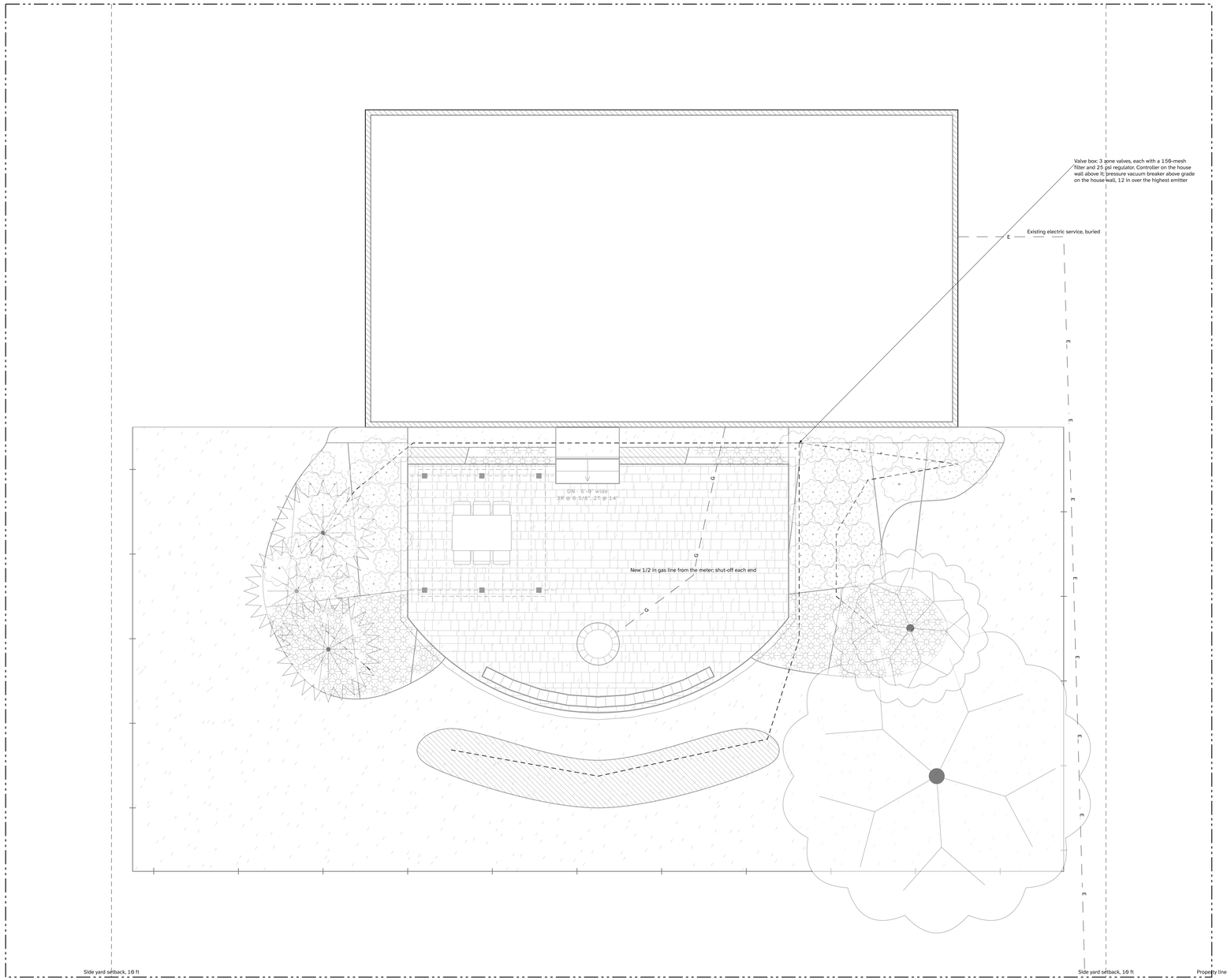
Revisions

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1	10/24/26	First design

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Sales: MR
Date: 10/24/26
Scale: 3/16" = 1'-0"

Lighting plan

L-106



N

0 4 8 ft

3/16" = 1'-0"

Irrigation schedule

Zone	Waters	Area	Drip line	Supply drawn
Zone 1, drip	west bed	302 sq ft	223 ft	64 ft
Zone 2, drip	east bed	330 sq ft	243 ft	43 ft
Zone 3, drip	south and foundation beds	257 sq ft	189 ft	59 ft

Item	Qty
Zone valve, 1 in, in the valve box noted on the plan	3
Drip zone kit: 150-mesh filter and 25 psi regulator after each valve	3
Controller, on the house wall by the valve box (one station a zone)	1
Backflow preventer: pressure vacuum breaker on the supply, 12 in above the highest emitter (or the assembly the water purveyor requires)	1

Drip line: the priced length for each bed. Supply drawn: the 3/4 in polyethylene from the valve box to the bed, 6–8 in deep, in sleeves under paving. In the beds, 1/2 in drip line with 0.9 gph emitters at 12 in, rows 18 in apart, staked on grade under the mulch, an air-relief valve at each zone's high point and a flush cap at each end. The connection to the water supply and its backflow preventer as the local code requires.

Legend

- Irrigation line
- Existing electric service, buried
- New 1/2 in gas line from the meter; shut-off each end

General notes

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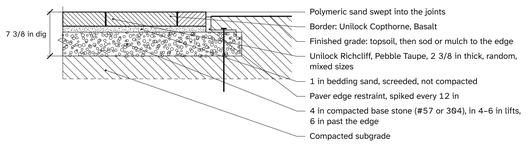
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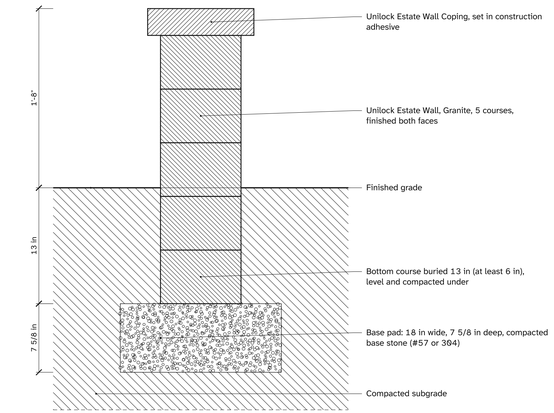
Drawn: TD
Sales: MR
Date: 10/24/26
Scale: 3/16" = 1'-0"

Irrigation plan

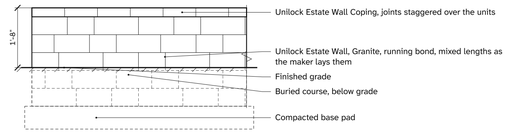
L-107



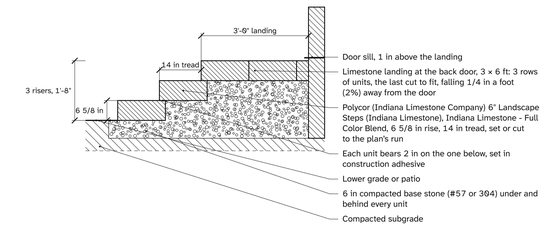
1 L-501 **Paver section**
1" = 1'-0". Curved paver patio with a soldier border



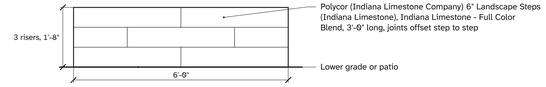
2 L-501 **Seat wall section**
1-1/2" = 1'-0". Seat wall round the fire pit



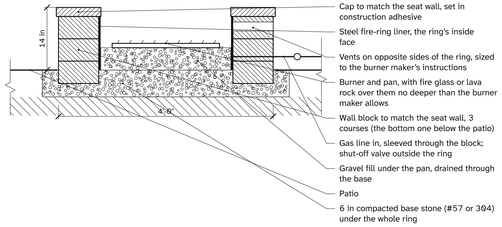
3 L-501 **Wall elevation**
1/2" = 1'-0". Seat wall round the fire pit: a typical 6'-0" of 22'-6"



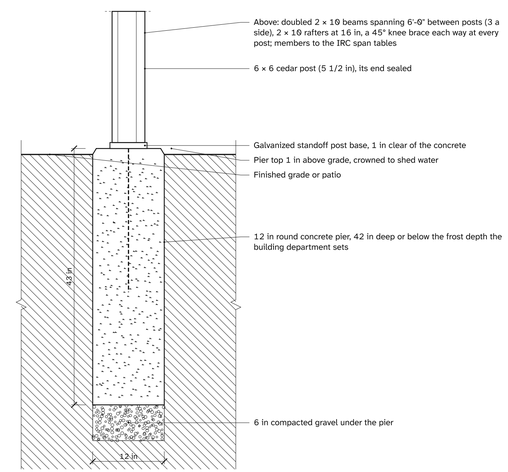
4 L-501 **Steps and landing section**
1/2" = 1'-0". Limestone steps up to the back door; Limestone landing at the back door, 3 × 6 ft



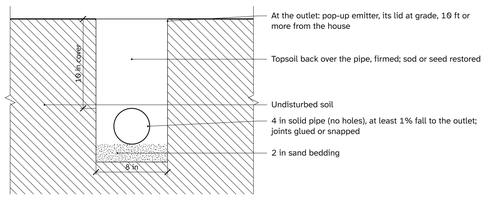
5 L-501 **Steps elevation**
1/2" = 1'-0". Limestone steps up to the back door



6 L-501 **Gas fire pit section**
3/4" = 1'-0". Gas fire pit, 44 in round, block to match the wall. Burner maker's instructions; gas line by a licensed plumber under its own permit



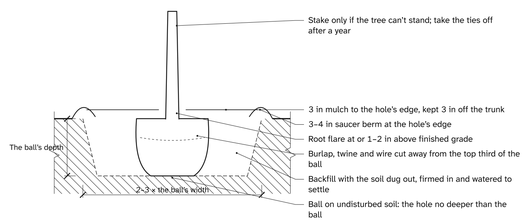
7 L-501 **Pergola post footing**
1" = 1'-0". Cedar pergola over the dining end, 12 × 12 ft. 144 sq ft, freestanding: submitted with this set for the building department's permit or its written exemption



8 L-501 **Downspout line section**
1-1/2" = 1'-0". Downspouts piped to pop-up emitters. Drain makers' practice

General notes

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9 L-501 **Tree planting**
1/2" = 1'-0". Iowa State Extension planting practice and ANSI A300 Part 6 (planting and transplanting); 3 in mulch

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Guillfeather residence
2417 Guillwort Ln, Larkfield, OH

Prepared for permit submittal
10/24/26. For the building department's review.

Revisions

No.	Date	Description
1	10/24/26	First design

Drawn
TD
Sales
MR
Date
10/24/26
Scale
As noted

Construction details
L-501