

NARI Minnesota 2022-23 CoTY Awards

Project: Cedar Lake Mid-Century

Category: Residential Landscape Design/Outdoor Living over \$250,000

Our clients owned this prime property perched high above the western side of Cedar Lake in Minneapolis. After living in the home for many years they decided to undergo a major renovation project with the help of an architect and builder. Because of our reputation and previous work experience with the architecture firm they selected, we were hired to develop a site plan for them to obtain the building permits. From project conception to completion this project took nearly three years.

Project Goals/Challenges

- The only access to home is via alley along west side of property.
- Limited access because of existing detached garage (which was originally intended to remain) visually blocks entry to home.
- New home needed a design solution to connect front entry to the auto court. Guest access as well as the aesthetic connection, topography and impermeable surface calculations all where considerations.
- Need to create additional guest parking where old garage exists. Therefore though design, it was proved that the old garage structure needed to be demolished to allowed for three additions off street parking spots.
- Preserve desirable views and screen neighbors homes for privacy.
- All hardscape areas are to be permeable to minimize runoff.
- Maintain/promote strong aesthetic connection between inside and outside of the home.
- Green and sustainable where all considerations and implemented for this project. Solar panels are used to power the home as well as nearly all the rainwater remains onsite. .



Auto Court Area

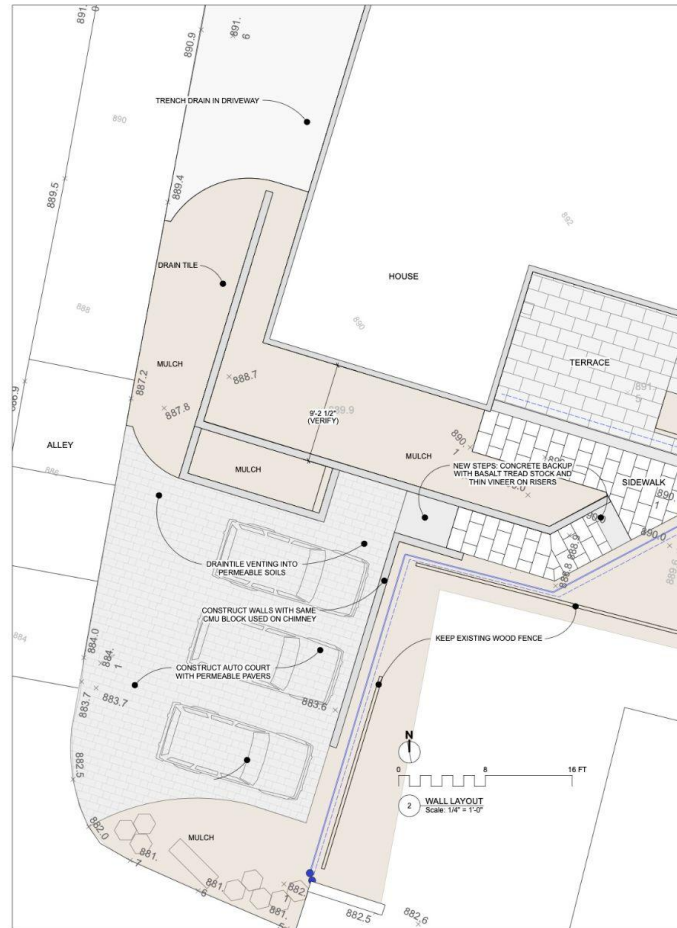
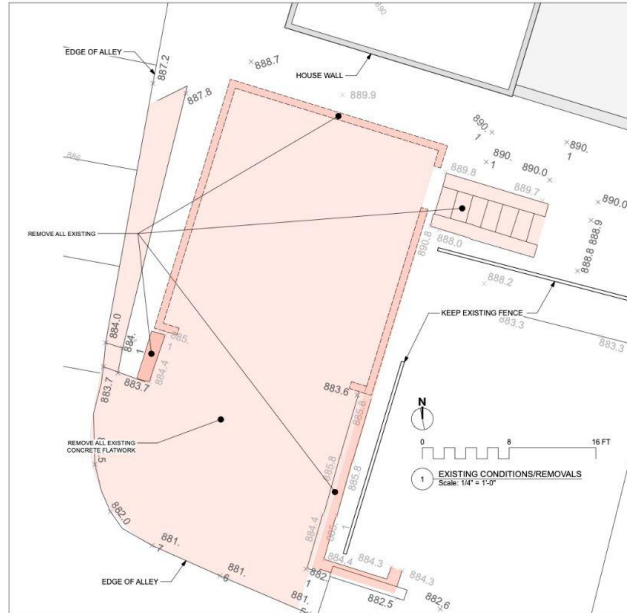
The images to the right are “before & after” images showing how we dealt with the two main challenges of this home.

1. Creating a front entry experience that is inviting and connected properly to the home.
2. Creation of much needed additional parking.
3. Permeable paving keeps all the rain water on the property.
4. Ample landscape lighting creates ambiance and a safe place to park.
5. Topography allowed the vehicles to be neatly tucked in below the sight lines of the home.



KEY CHANGES WITH REVISED LAYOUT:

- AUTO COURT ELEVATION RAISED TO DECREASE AMOUNT OF STEPS
- UPPER STEPS NEAR TERRACE ARE ANGLED TO ALIGN WITH ENTRY DOOR
- ELIMINATED SIDEWALK & STEPS ALONG GARAGE WALL
- PREVIOUS ALLOWS FOR MORE SUNNY GARDEN SPACE
- ADDED PERMEABLE PAVERS IN AUTO COURT AREA





LEFT: Images are “before” images showing the extent of the proper foundation work needed to construct masonry walls and planters.

TOP: The image above shows how nicely the masonry steps lead guests to the front door and entry patio area. Note how the masonry walls repeat the exact aesthetic and material used for the chimney.



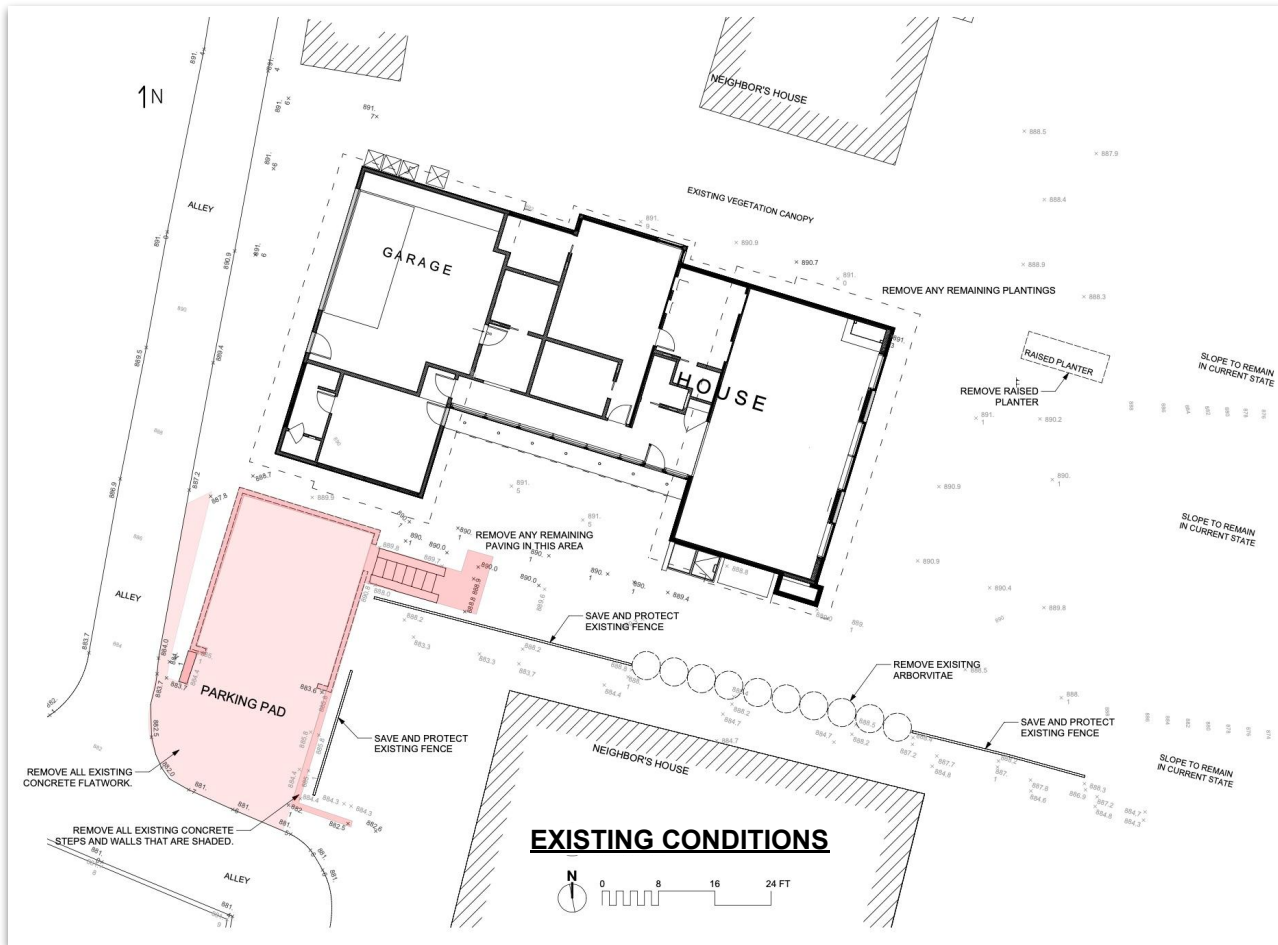
LEFT: Images are “before” images showing the entry patio area. Permitting required that the patio and sidewalk be constructed as permeable hardscapes..

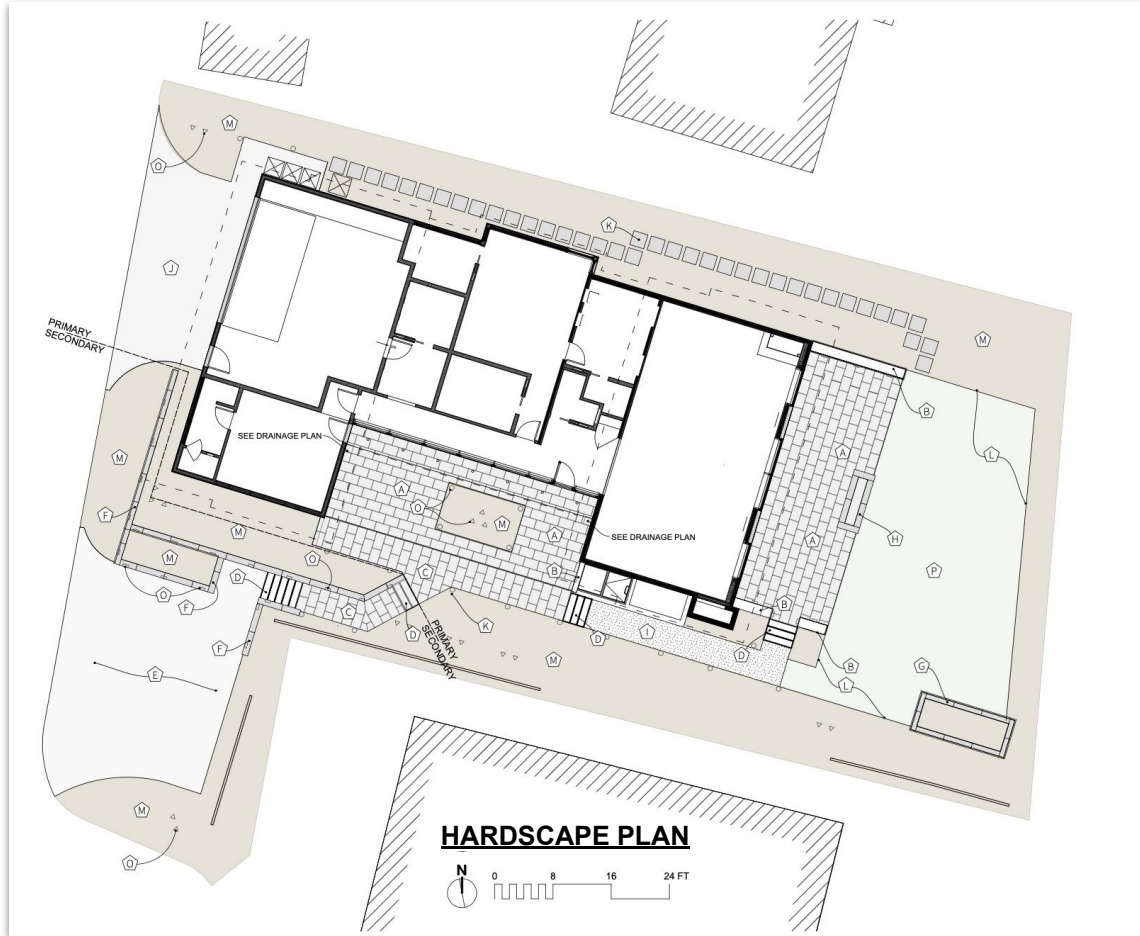
TOP: The image shows how permeable paving areas are constructed with “clear” base rock that is void of fines to allow water to drain between pavers and through the base material and it is therefore, permeable. A concrete step with footings was constructed as foundation for our permeable patio and the basalt treads that are mortared into place.



TOP & RIGHT: Images show undeniable connection between the inside and outside spaces. The stone tiles selected by the client are flamed and brushed basalt and are the same inside and outside the home. The inside tiles are installed with a 3/16" grout joint whereas when outside they were installed with a 3/16" wide open joint to allow permeability.

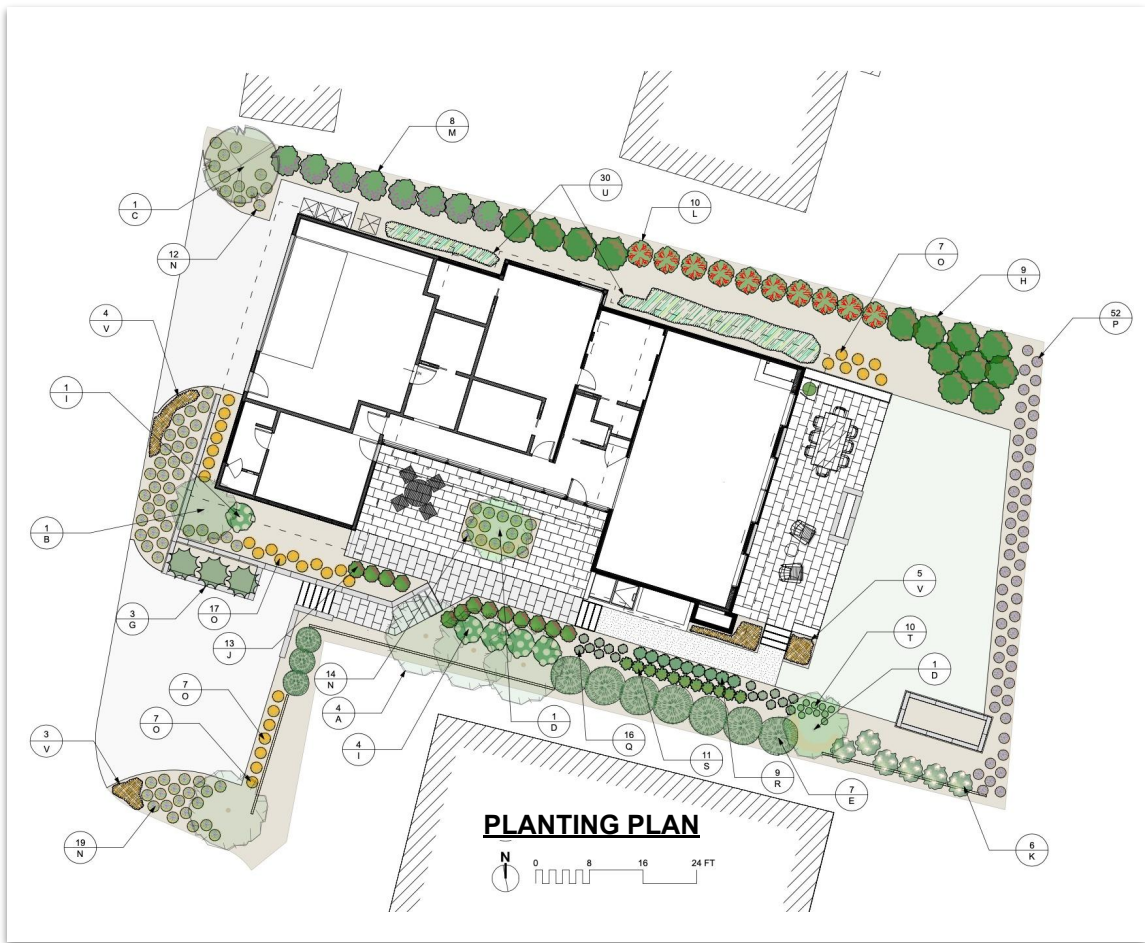






MATERIAL SPECIFICATIONS

KEY	ITEM	MATERIALS
A	RAISED TERRACE:	BASALT PAVING, FLAMED AND BRUSHED FINISH INSTALLED AS PERMEABLE PAVING WITH OPEN JOINTS. EDGES OF TERRACE TO BE CONSTRUCTED WITH POURED CONCRETE BACK-UP AND MORTARED TREAD AND RISER. TREADS ARE 16"x24" X 2" THICK.
B	SEAT WALLS:	BASALT VENEER OVER 8" CMU BLOCK ON FROST FOOTINGS WITH INDIANA LIMESTONE CAPS SANDED TOP AND EDGES, 2" THICK. (150 BLOCK & 44 SF CAP)
C	WALK PAVING:	BASALT PAVING, FLAMED AND BRUSHED FINISH DRYLaid WITH GREY POLYMERIC SANDSWEPT JOINTS (227 SF)
D	STEPS:	BLUESTONE TREADS WITH SANDED AND THERMAL FINISH 2" THICK (8) OVER POURED CONCRETE WITH BASALT PAVING, FLAMED AND BRUSHED FINISH WITH 3/4"x8"x24" TILE VENEER (22 PIECES) ON RISERS.
E	PARKING AREA:	COUNTY MATERIALS H20 CONCRETE PERMEABLE PAVERS IN MAJESTIC OR TIMELESS WITH 3/8" DRESSER ROCK IN JOINTS. (750 SF) SECONDARY
F	RETAINING WALLS:	CMU BLOCK FROM COUNTY MATERIALS THAT IS BURNISHED AND SANDBLASTED W/ BLUESTONE CAPS WITH SAWN AND THERMAL FINISH 2" THICK. (320 SF/105 LF CAP) SECONDARY
G	RAISED PLANTER:	CMU BLOCK FROM COUNTY MATERIALS THAT IS BURNISHED AND SANDBLASTED WITH BLUESTONE CAPS WITH SAWN AND THERMAL FINISH, 2" THICK. (80 BLOCK & 36 SF CAP)
H	FIRE FEATURE:	CMU BLOCK FROM COUNTY MATERIALS THAT IS BURNISHED AND SANDBLASTED WITH BLUESTONE CAPS WITH SAWN AND THERMAL FINISH, 2" THICK. NATURAL GAS BURNERS ARE TWO MODEL # FFB-36LTS-N (FIRE GEAR) CONTROLLED BY REMOTE CONTROL. (20 BLOCK/22 SF CAP)
I	AGGREGATE PAVING:	COMPACTED AGGREGATE WITH FINES, FABRIC AND EDGING. (110 SF)
J	PAVING BY GARAGE:	FORMED REINFORCED CONCRETE WITH FORMED JOINTS. (460 SF)
K	STEPPER PATH	24" SQUARE PLAIN CONCRETE STEPPERS
L	PLANTBED EDGING:	BROWN POWDER COATED ALUMINUM. (75 LF)
M	SOFTSCAPE:	COMPOSTED ORGANIC SOILS, ORGANICALLY STAINED DARK BROWN SHREDED HARDWOOD MULCH AND SOD FOR LAWN AREA. (2800 SF PHASE 1 & 800 SF PHASE 2)
N	IRRIGATION:	POP UPS IN LAWN, DRIP SYSTEM IN PLANT BEDS AND ZIRRIGATION IN RAISED PLANTER.
O	LIGHTING:	LANDSCAPE LIGHTING PER DETAILS (SHEET L5). SECONDARY
P	LAWN:	SODDED LAWN. (1100 SF)



Plant Schedule			
ID	Qty	Common Name	Scheduled Size
A	4	Dakota Pinnacle Birch	3" BB
B	1	Nannyberry Viburnum	2" BB
C	1	Autumn Brilliance Serviceberry	7" BB
D	2	Ice Dragon Korean Maple	#18 CONT
E	7	Pyramidal Arborvitae	8" BB
F	3	North Pole Arborvitae	7" BB
G	3	Prince Of Wales Juniper	#5 CONT
H	13	Gro-Low Sumac	#2 CONT
I	5	Incrediball Hydrangea	#5 CONT
J	13	Tom Thumb Coloneaster	#2 CONT
K	6	Little Quick Fire® Hydrangea	#5 CONT
L	10	Arctic Fire Dogwood	#5 CONT
M	8	Dwarf Korean Lilac	#2 CONT
N	80	Prairie Dropseed	#1 C
O	31	Karl Foerster Feather Reed Grass	#1 C
P	52	Little Bluestem	#1 CONT
Q	15	Mr. Goodbud Sedum	#1 C
R	9	Kil Karl Nepeta	#1 C
S	11	Butterfly Flower	#1 CONT
T	10	Max Frei Geranium	#1 C
U	30	Pachysandra	6-pak
V	12	'Kamtschaticum' Sedum	6-pak

LIGHTING: LANDSCAPE LIGHTING PER DETAILS (SHEET L5).

(L1) 27 - UNDER CAP LIGHTS

(L2) 18 - UP LIGHTS

(L3) 18 - PATH LIGHTS

2 - 300W TRANSFORMER AND PHOTOCELL W/TIMER
LOCATION TO BE DETERMINED ON SITE

NOTE: OUTLET TO BE PROVIDED BY HOMEOWNER

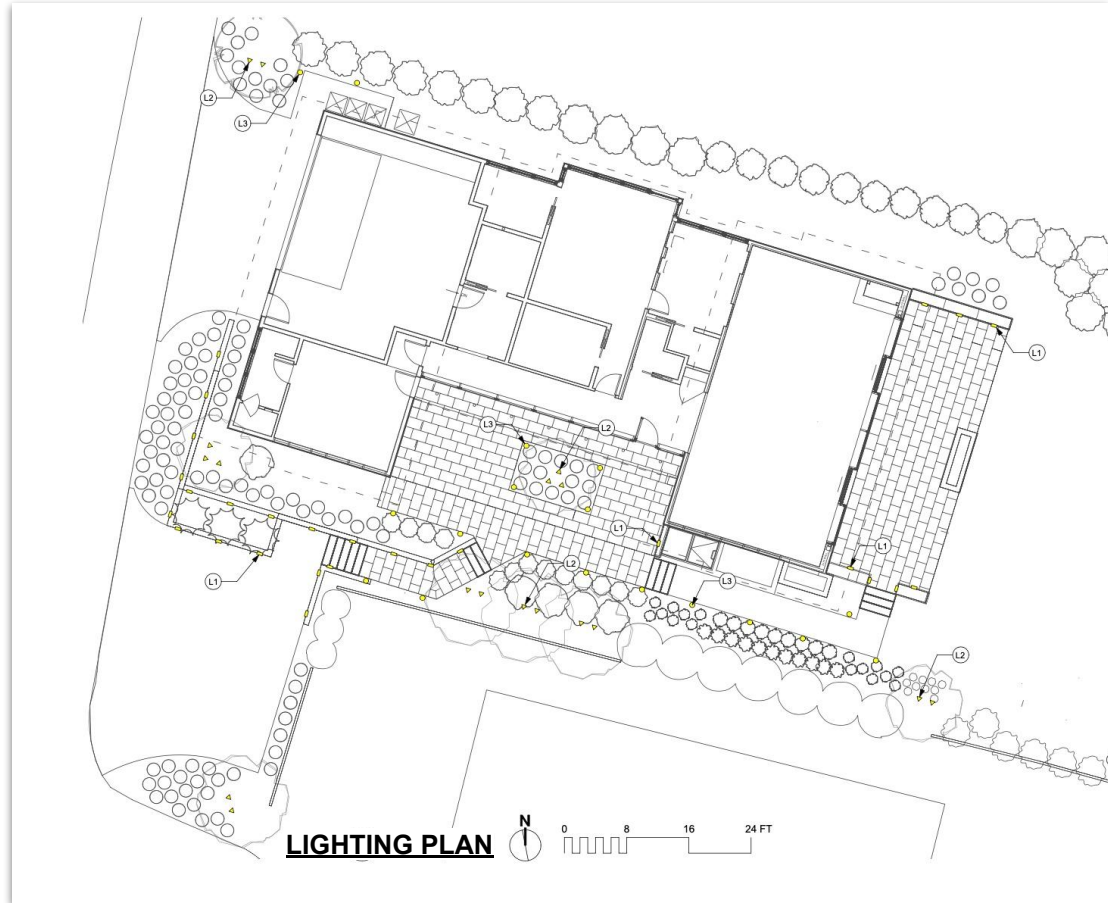
(L1)



(L2)






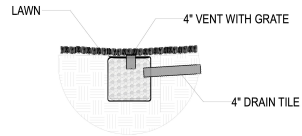
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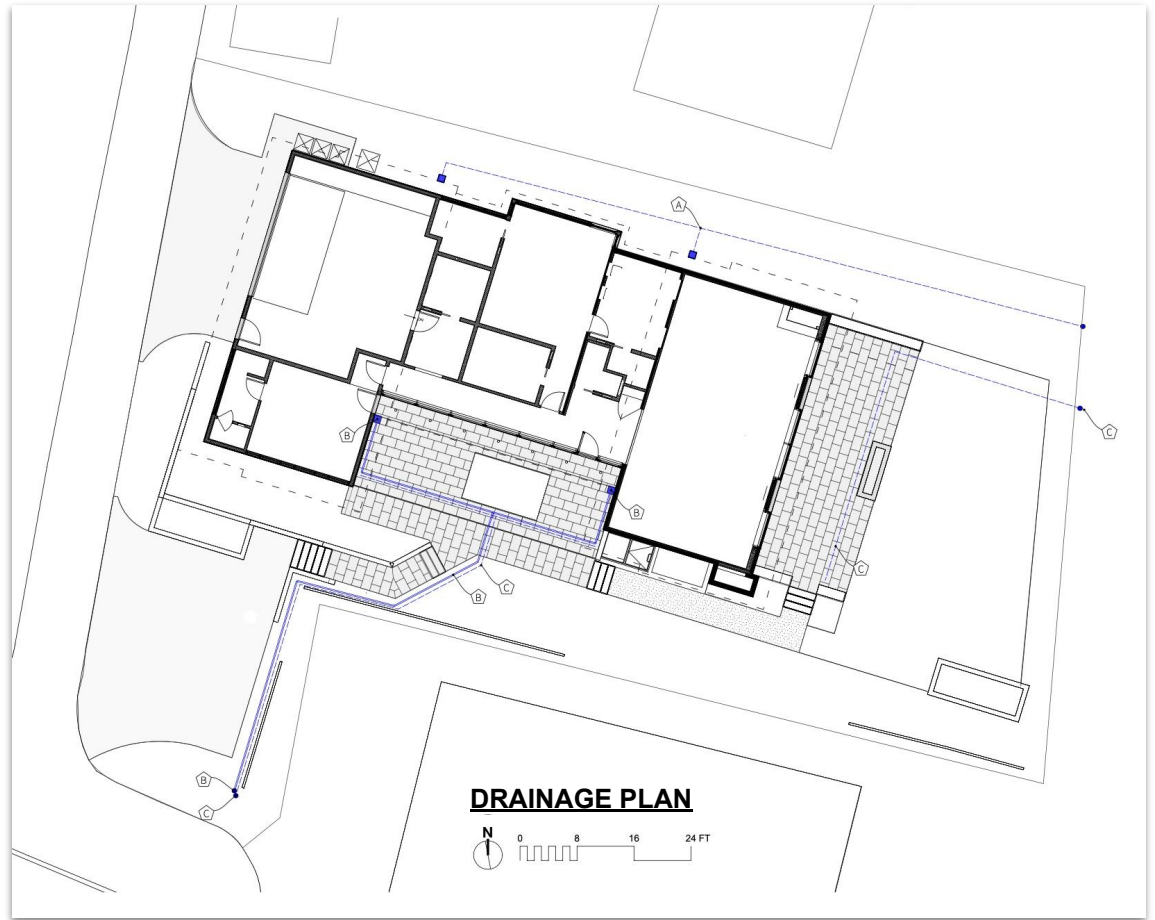
LIGHTING PLAN

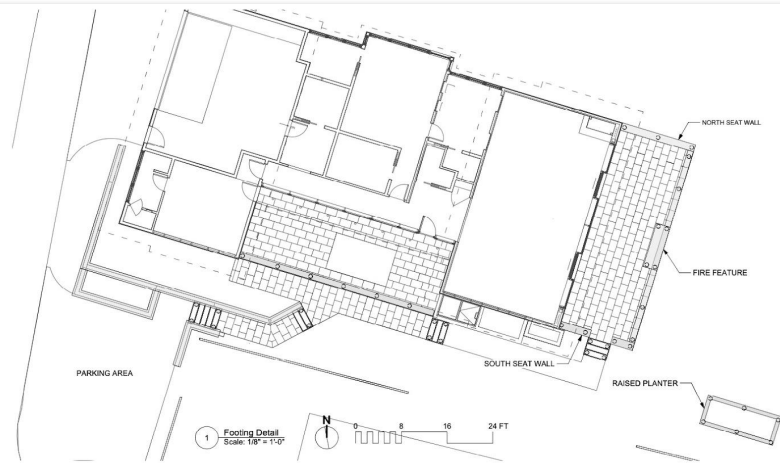
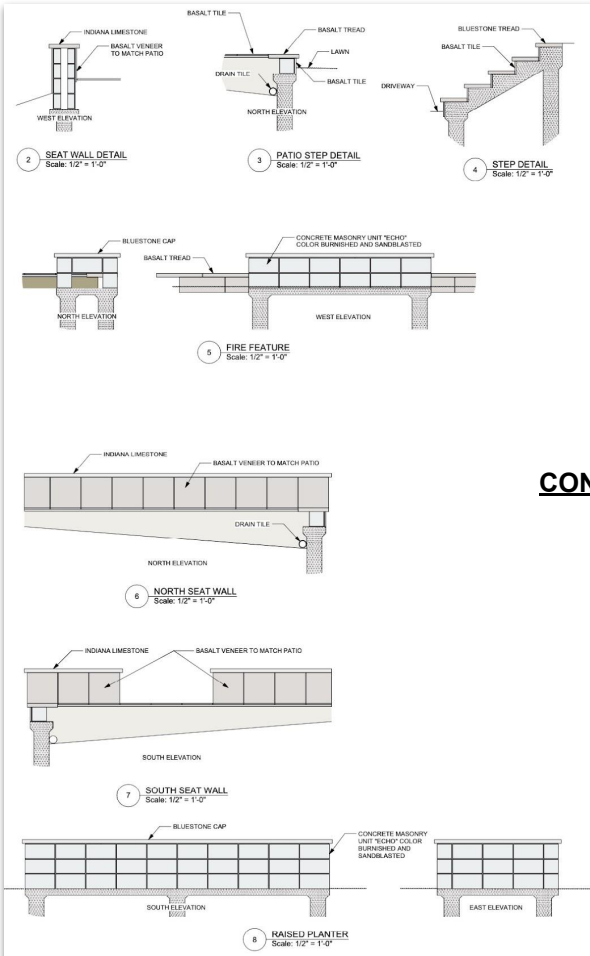
DRAINAGE PLAN KEY

-  PERFORATED DRAIN TILE (105 LF) WITH (2) 9" CATCH BASINS TERMINATING WITH A DRY-WELL.
-  SOLID DRAIN TILE (95 LF) WITH (2) 9" CATCH BASINS TERMINATING WITH A DRY-WELL.
-  PERFORATED DRAIN TILE (150 LF) WITH (2) 9" CATCH BASINS TERMINATING WITH (2) DRY-WELLS.

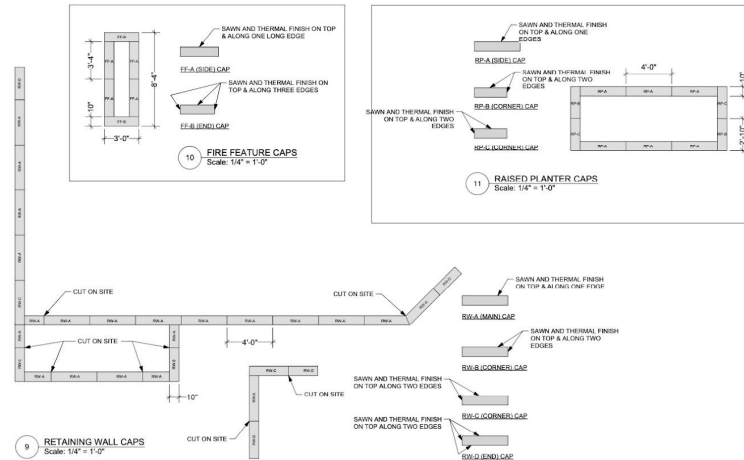


DRY WELL SECTION VIEW





CONSTRUCTION DETAILS





LEFT TOP: "Before" image showing the east patio area overlooking Cedar Lake.

LEFT BOTTOM: Image from inside home looking out over Cedar Lake and onto the basalt stone permeable patio with a custom built-in gas fire pit.

TOP: The image shows the impressive wall of windows connecting to inside of the home to the outside living and dining rooms complete with a large nearly 7' long custom fabricated natural gas fire feature that is built into the raised permeable patio.







