

L1	xxxx
L2	exterior stone landscape privacy wall, 4 ft height, level top, dry-laid over a bedding course & compact fill, 2" x 8" x 47 1/4", smooth-cut face & top
L3	existing power pole at alley, protect from damage during construction, field-cut new pavers around pole
L4	existing manhole cover at alley, protect from damage during construction, field-cut new pavers around manhole
L5	existing asphalt alley, protect from damage during construction
L6	new 48" tall perforated-aluminum storage box to cover and secure recycling and garbage bins and screen electrical service transformer, bottom open to pavers, walls fastened to concealed concrete piers, painted aluminum finish same as building "roof hat"
L7	existing concrete city sidewalk, protect from damage during construction
L8	exterior stone paver driveway, 1/4" aggregate joint, dry-laid over bedding course and compacted fill, 2" x 2" x 47 1/4", rough-cut face upward, installation creates a "tined" type of a slip-resistant surface.
L9	untreated cast-iron trench assembly, light-duty, flat-grated cover, 1 ft wide x 10 ft long, NEENAH #R-4995-A1
L10	permeable decorative aggregate, ENVIROMODE #2-#3, recycled crushed porcelain
L11	exterior stone steps, dry-laid over bedding course and compact fill, 2" x 11 3/4" x 11 3/4"
L12	exterior stone pavers with permeable aggregate open corners and 1/4" joint, dry-laid over bedding course and compact fill, 2" x 11 3/4" x 11 3/4"
L13	thornless cockspur hawthorn (crataegus crus-galli inermis), 10 ft spacing, 10 ft spread, 9 ft height, quantity = 10
L14	single-stem whitespire birch (betula populifolia whitespire), 8 ft spacing, 9 ft spread, 30 ft height, quantity = 5
L15	tamarack (larix laricina), 8 ft spacing, 9 ft spread, 22 ft height, quantity = 15
L16	pyramidal white cedar (thuja occidentalis pyramidalis), 4 ft spacing, 4 ft spread, 14 ft height, quantity = 16
L17	wood landscape mulch, brown color-enhanced, double-shredded, non-toxic
L18	karl forester feather reedgrass (calamagrostis), 2 ft spacing, 1.5 ft spread, 5 ft height, quantity = 486 plugs
L19	blue fescue (festuca glauca), 2 ft spacing, 1 ft spread, 1 ft height, quantity = 480 plugs
L20	japanese forestgrass (hakonechloa macra aureola), 2 ft spacing, 1.5 ft spread, 2ft height, quantity = 400 plugs
L21	casacade hops (humulus lupulus), 8 ft spacing, 30ft height, quantity = 11, single rhizome grown in removable tray concealed in aggregate zone around building with vine trained to grow on sunshade structure vertical cable and horizontal grating, vines cut down and trays removed in October, trays kept in greenhouse over winter and placed back on-site in April.
L33	double-washed No.8 pea rock bedding course, free of fines, 2" deep
L34	double-washed N.57 rock compacted fill, free of fines, 1 1/2" size
L35	permeable landscape fabric, TEXEL TEX-R membrane with SpinOut (copper hydroxide) coating for root, weed, and pest control
L38	exterior stone retaining wall, dry-laid over a bedding course and compact fill, 2" x 8" x 47 1/4", smooth-cut face, pavers on top
L39	perforated PVC drain pipe with filter fabric sock, 4" dia
L40	metal landscape edging

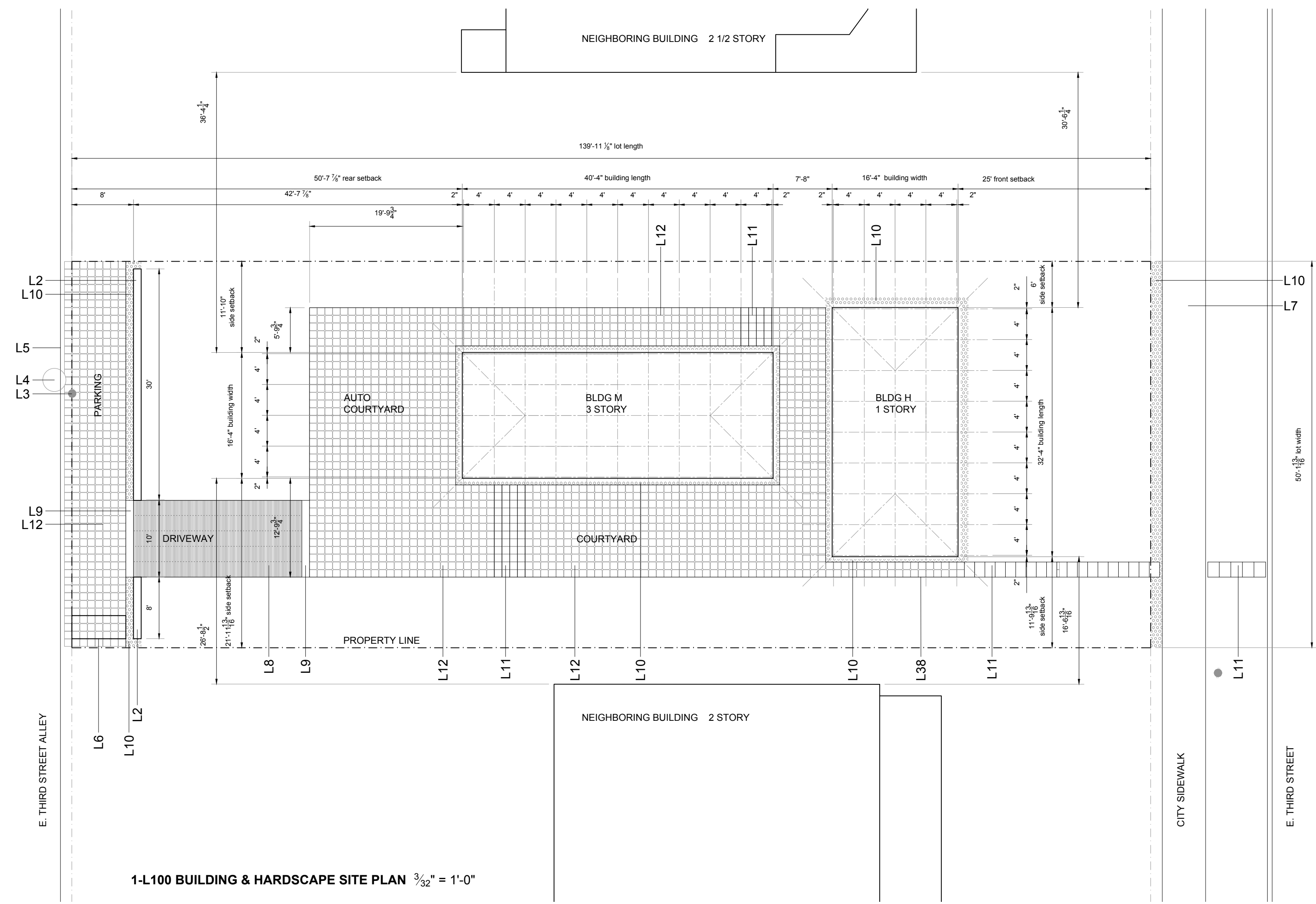
ISSUED 11.01.14

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Architect under the laws of the State of Minnesota.

CARLY KAY COULSON *Carly Coulson* DATE: 11.01.2014 LICENSE NO: 42559

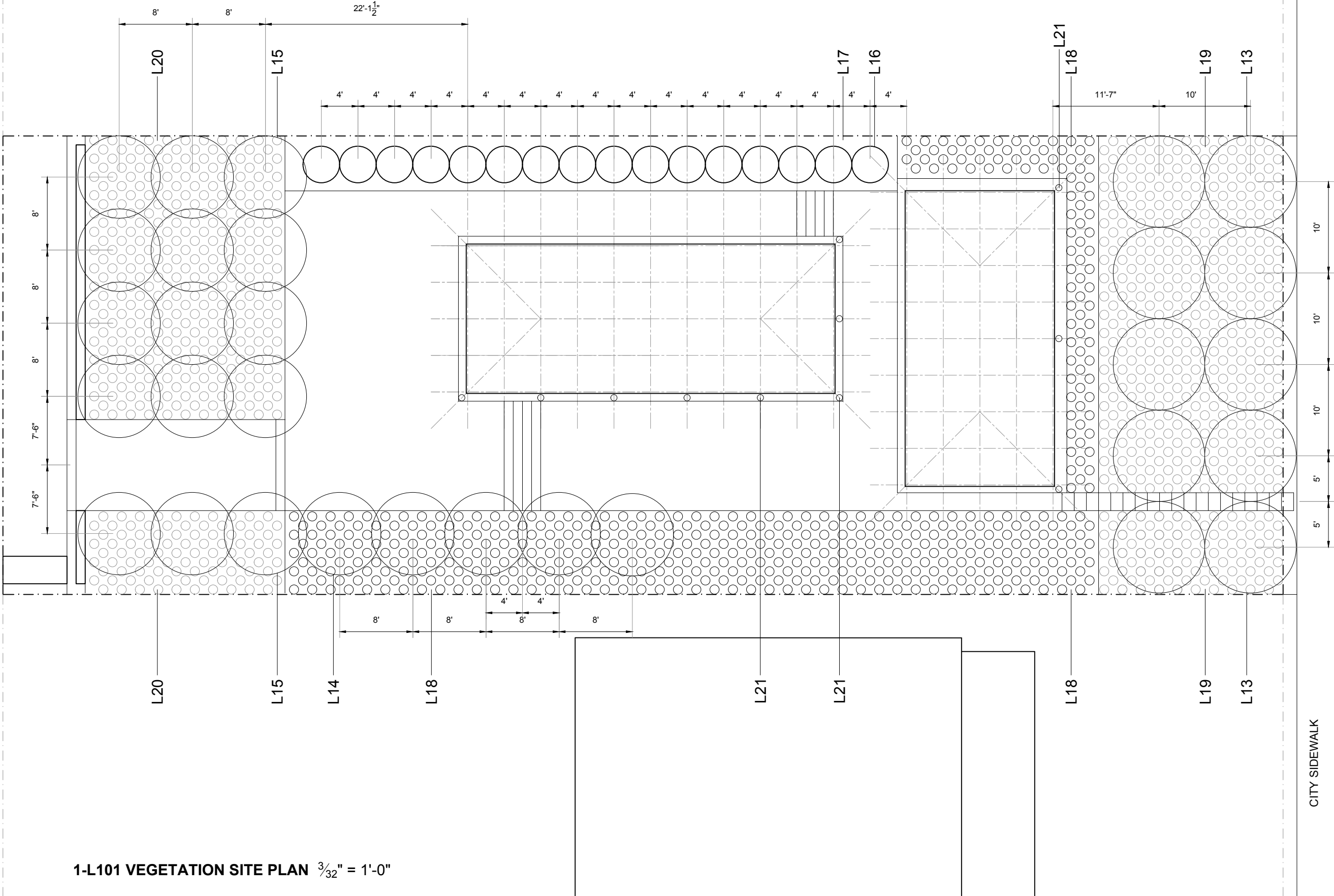
Landscape Key + Notes

MH HOUSE 215 E. 3rd St. Duluth MN 55802



E. THIRD STREET ALLEY

1-L101 VEGETATION SITE PLAN 3/32" = 1'-0"



CITY SIDEWALK

E. THIRD STREET

L101

Landscape Site Plan
MH HOUSE 215 E. 3rd St. Duluth MN 55802

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COULSON
10 W 1st St #105
Duluth MN 55802
612.384.8661

BENCHMARK IS TOP RIM MANHOLE EL = 768.93 FT (NAVD 88)

—758— NEW CONTOUR

— EXISTING CONTOUR TO REMAIN

-----758----- EXISTING CONTOUR TO BE REMOVED

	750	749

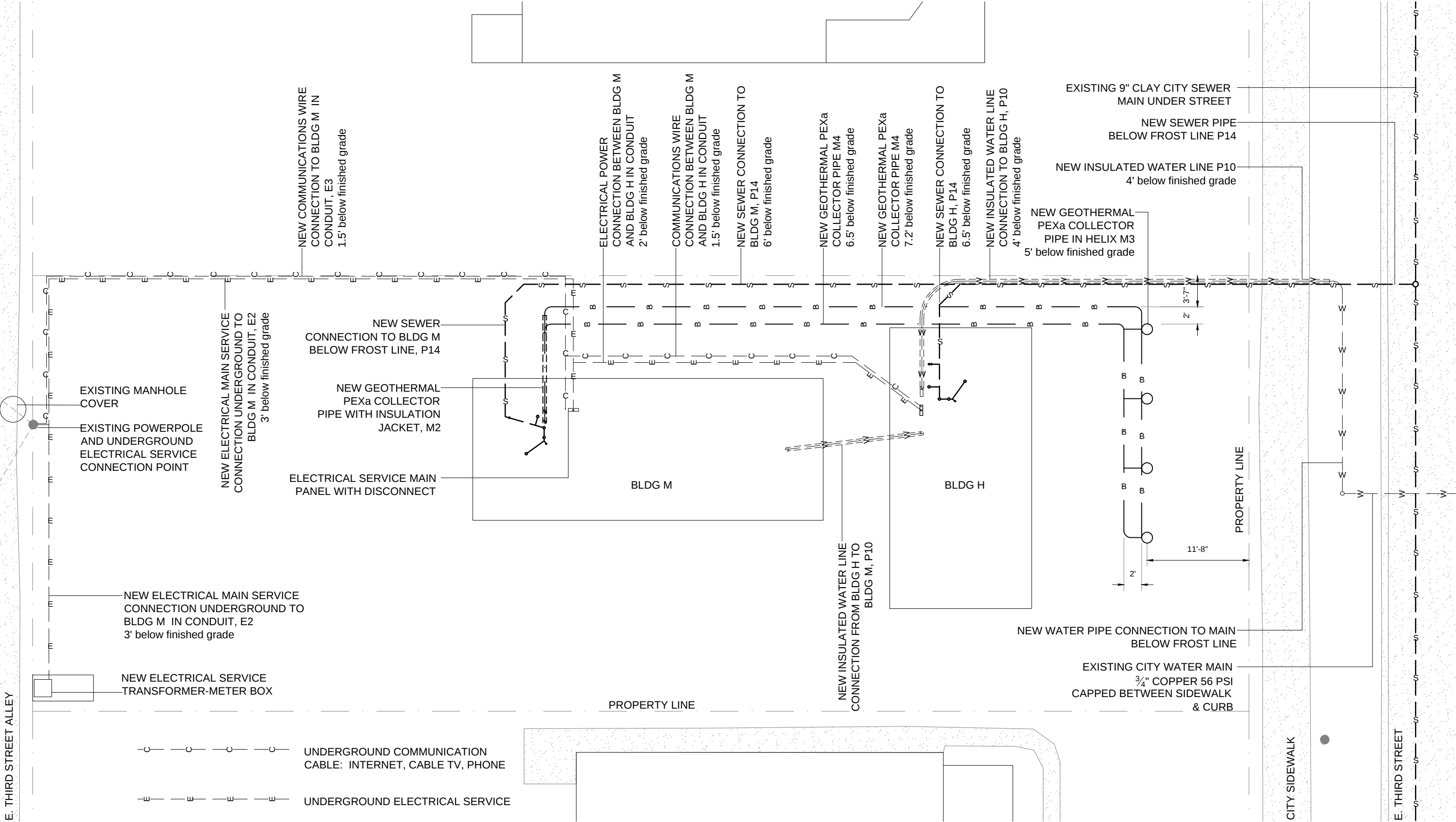

L10

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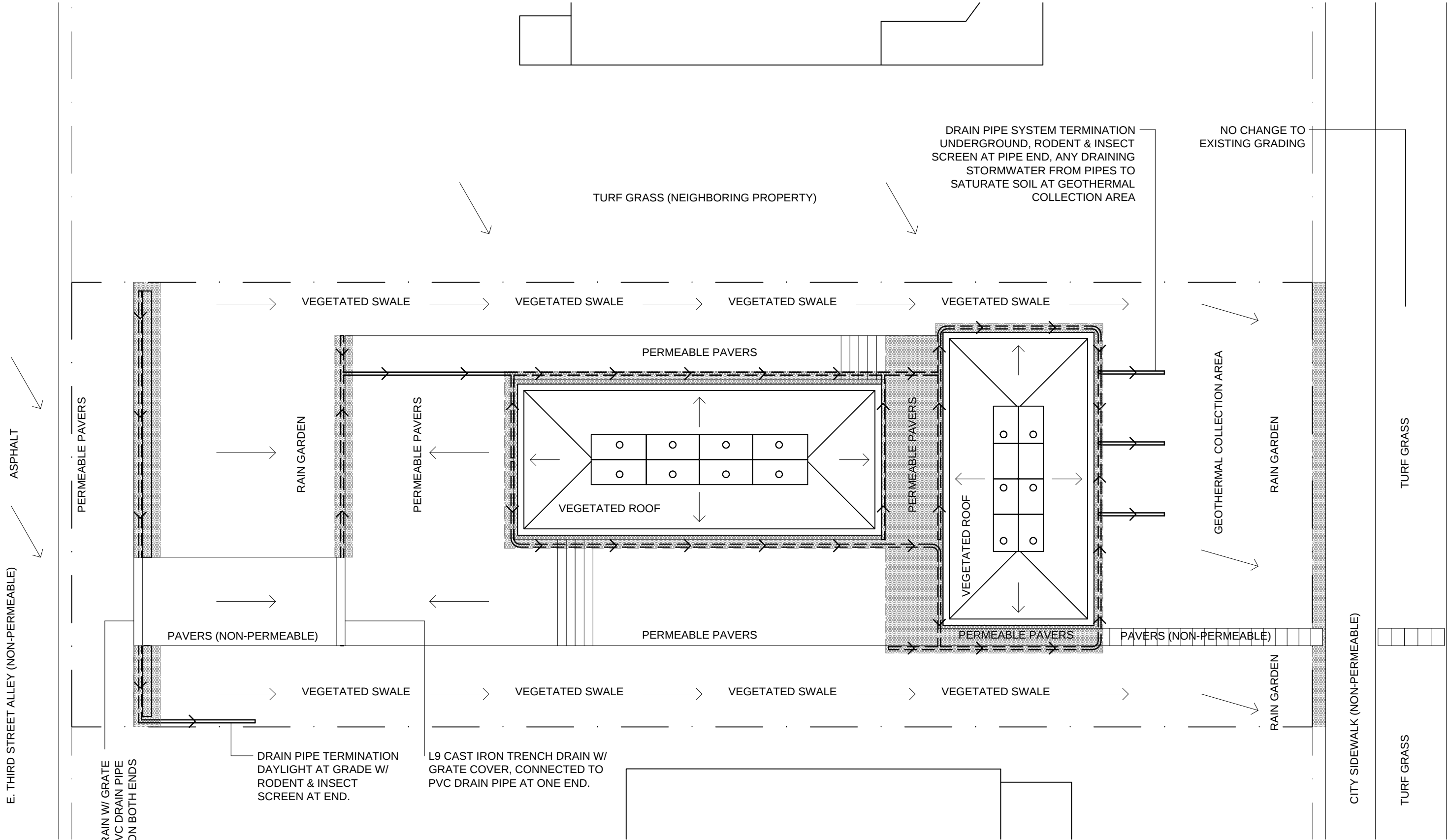
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General Notes

- Refer to the Architectural Building Sections, Exterior Elevations, and Enlarged Floor Plans for additional details of all underground pipes.
- Refer to Mechanical, Electrical, and Plumbing sheets for additional details of all underground utilities pipes.
- All connections into buildings are below-grade and thru the concrete slab. Refer to sheet S104 for waterproofing, air sealing, and sleeves around pipes at slab.



- > DIRECTION OF SURFACE DRAINAGE
- FRENCH DRAIN TRENCH FILLED WITH DOUBLE-WASHED NO.57 ROCK FILL, FREE OF FINES, 1 ½" SIZE
- 4" NON-PERFORATED PVC DRAIN PIPE, ARROW SHOWS DRAINAGE DIRECTION
- 4" PERFORATED PVC DRAIN PIPE WITH FILTER FABRIC SOCK, ARROW SHOWS DRAINAGE DIRECTION

1-L105 STORMWATER SITE PLAN 3/32" = 1'-0"

General Notes

- Refer to the Architectural Building Sections, Exterior Elevations, and Construction Details for additional details of stormwater components.
- Refer to sheet L102 for specific surface drainage flow, sheet L100 for specific hardscape details, and sheet L101 for specific vegetation details.
- Refer to sheet A104 & A105 Roof Plans for specific roof drainage.
- There is no new stormwater drainage onto surrounding properties.
- There is no connection to city stormwater system.
- There are no gutters or downspouts from roofs. Roofs drainage is equal and continuous along entire roof edge.
- All stormwater is treated passively on site with vegetative roofs, rain garden, vegetative swales, permeable pavement, and french drains to hold 100% of stormwater quantity for 24 hours for a 100 year storm.
- 2" deep No.8 bedding course and 12" deep No.57 compact fill under all permeable paver areas