

ADDENDUM #1

Job #: 241829 **Project Title** The Commons at Highland Heights
Client: City of Highland Heights

Issue Date: November 17, 2025
Bid Date: November 25, 2025

THIS IS TO CERTIFY THAT YOU ARE IN RECEIPT OF ADDENDUM #1 FOR THE ABOVE-MENTIONED PROJECT.

PLEASE SIGN AND RETURN BY VIA EMAIL TO: pbellew@verdantas.com.

Name / Title:

Company:

Date:

CLARIFICATION:

Please see the revised section on Unit Paving (attached) and the specific revised plan sheet (attached).

Attachments:

Revised Unit Paving Rev. 1

Revised Plan Sheet (Page 25)

**SECTION 32 14 16
UNIT PAVING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Large Pavers
- B. Paver Band

1.02 RELATED REQUIREMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this Section.

1.03 SUBMITTALS

- A. Product Data: For the following:
 - 1. Unit pavers (clay brick and concrete pavers).
 - 2. Bituminous setting materials.
 - 3. Polymeric sand joint material
 - 4. Color chart for polymeric sand available colors
- B. Samples for Verification: Full-size units of each type of unit paver indicated; in sets for each color, texture, and pattern specified, showing the full range of variations expected in these characteristics.
- C. Qualification Data: For firms and person specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed unit paver installations similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Source Limitations: Obtain each type of unit paver, joint material, and setting material from one source with resources to provide materials and products of consistent quality in appearance and physical properties.
- C. Mockups: Before installing unit pavers, build mockups for each form and pattern of unit pavers required to verify selections made under sample Submittals and to demonstrate aesthetic effects and qualities of materials and execution. Build mockups to comply with the following requirements, using materials indicated for the completed Work, including same base construction, special features for expansion joints, and contiguous work as indicated:
 - 1. Build mockups in the location and of the size indicated, or if not indicated, as directed by Landscape Architect. Mock-ups should be a minimum of 4'x4'.
 - 2. Notify Landscape Architect seven days in advance of dates and times when mockups will be constructed.
 - 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 - 4. Obtain Landscape Architect and Owner's approval of mockups before starting unit paver installation.
 - 5. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
 - 6. Demolish and remove mockups when directed.
 - 7. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Do not change source or brands of brick, mortar, or grout material during the course of the work.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver mortar, grout and additive materials in manufacturer's unopened and undamaged containers with labels intact and legible. Store off the ground and protect from weather damage and deterioration.
- B. Protect aggregate during storage and construction against soiling or contamination from earth and other materials.
 - 1. Store loose granular materials in a well-drained area on a solid surface to prevent mixing with foreign materials.
- C. Protect unit pavers during shipping, storage and construction against damage, chipping, and soiling or contamination from earth and other materials.
 - 1. Cover pavers with plastic or use other packaging materials that will prevent rust marks from steel strapping.
- D. Store asphalt cement and other bituminous materials in tightly closed containers.

1.06 PROJECT CONDITIONS

- A. Establish and maintain required levels and grade elevations. Review installation procedures and coordinate paving work with other work affected by the unit paving work.
- B. Cold-Weather Protection: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen subgrade or setting beds. Remove and replace unit paver work damaged by frost or freezing.
- C. Weather Limitations for Bituminous Setting-Bed: Comply with the following requirements:
 - 1. Apply asphalt adhesive when ambient temperature is above 50 deg. F and when temperature has not been below 35 deg. F for 12 hours immediately before application. Do not apply when base is wet or contains excess moisture.
 - 2. Install bituminous setting-bed only when atmospheric temperature is above 40 deg. F and when base is dry.
- D. Protect partially completed brick paving against weather damage when work is not in progress.
- E. Provide temporary barricades and warning lights as required for protection of project work and public safety.
- F. Protect adjacent work from damage, soiling and staining during paving operations.

PART 2 PRODUCTS

3.01 SIZES, COLORS, TEXTURES

- A. Subject to compliance with requirements, provide the following products for areas as detailed on Hardscape Plans:
 - 1. Large Pavers
 - a. Basis of Design Manufacturer: Nitterhouse Masonry
Phone: 717.268.4137
Website: nitterhousemasonry.com
Style: Architectural Paver
Color: PG-27
Size: 24" x 36"
 - 2. Paver Band:
 - a. Basis of Design Manufacturer: Belden Brick Company
Phone: 330.456.0031
Website: beldenbrick.com
Style: CityLine Series Pavers
Color: Wheatfield
Size: 4" x 8" x 2.25"

- B. Initial order to include 10% addition for attic stock.
- C. Contractor to coordinate attic stock storage locations with representatives from the City of Highland Heights.
- D. For radii, pavers to be field cut.

3.02 PAVER EDGE RESTRAINT

- A. Install where indicated per detail. Provide aluminum edge restraint by Permaloc or approved equal. Provide product data to Landscape Architect and Owner for review.

3.03 JOINT MATERIAL

- A. Sand for Joints: Gator XP Sand Bond, Polymeric Sand or approved equal.
- B. Color: Provide available color samples from manufacturer for color selection by Landscape Architect and Owner. Color to be coordinated with paver sample.

3.04 PAVER SEALER

- A. Per paver manufacturer recommendation.

PART 3 EXECUTION

5.01 EXAMINATION

- A. Installation constitutes acceptance of existing conditions and responsibility for satisfactory performance.
- B. Examine areas indicated to receive paving, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

5.02 INSTALLATION, GENERAL

- A. Do not use unit pavers with chips, cracks, voids, discoloration, and other defects that might be visible or cause staining in finished work.
- B. Mix pavers from several pallets or cubes, as they are placed, to produce uniform blend of colors and textures.
- C. Cut unit pavers with motor-driven masonry saw equipment to provide clean, sharp, unchipped edges. Cut units to provide pattern indicated and to fit adjoining work neatly. Use full units without cutting where possible. Hammer cutting is not acceptable. Maintain half paver minimum.
- D. Joint Pattern: As indicated.
- E. Tolerances: Do not exceed 1/32 - inch unit-to-unit offset from flush (lippage) nor 1/8 - inch in 10 feet from level, or indicated slope, for finished surface of paving.

5.03 BITUMINOUS SETTING-BED APPLICATIONS

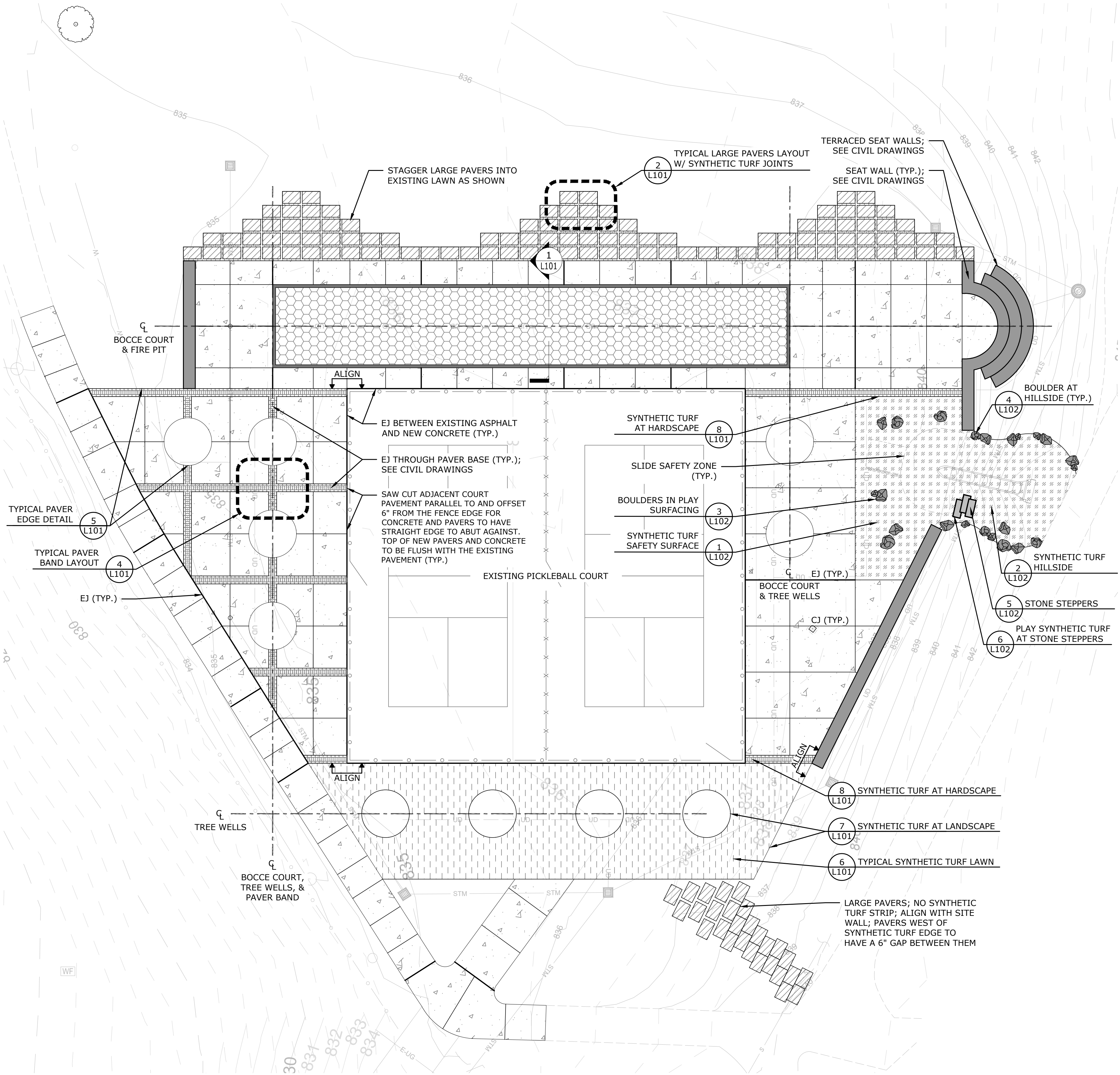
- A. Apply primer to concrete slab or binder course immediately before placing setting bed.
- B. Prepare for setting-bed placement by locating ¾-inch deep control bars approximately 11 feet apart and parallel to one another, to serve as guides for striking board. Adjust bars to subgrades required for accurate setting of paving units to finished grades indicated.
- C. Place bituminous setting-bed where indicated, in panels, by spreading bituminous material between control bars. Strike setting bed smooth, firm, even, and not less than ¾ inch thick. Add fresh bituminous material to low, porous spots after each pass of striking board. After each panel is completed, advance first control bar to next position in readiness for striking adjacent panels. Carefully fill depressions that remain after removing depth-control bars.
 - 1. Roll setting bed with power roller to a nominal depth of ¾ inch while still hot. Adjust thickness as necessary to allow accurate setting of unit pavers to finished grades indicated.

2. Apply neoprene-modified asphalt adhesive to cold setting bed by squeegeeing or troweling. If troweled on, use trowel with serrations not exceeding 1/16 inch. Proceed with setting of paving units only after adhesive is dry to the touch.
- D. Place pavers carefully by hand in straight courses, maintaining accurate alignment and uniform top surface. Protect newly laid pavers with plywood panels on which workers can stand. Advance protective panels as work progresses, but maintain protection in areas subject to continued movement of materials and equipment to avoid creating depressions or disrupting alignment of pavers. If additional leveling of paving is required, and before treating joints roll paving with power roller after sufficient heat has built up in the surface from several days of hot weather.
- E. Joint Treatment: Place unit pavers with hand-tight joints. Fill joints with a polymeric sand/cement mix by sweeping over paved surface until joints are filled.

5.04 REPAIR, CLEANING AND PROTECTION

- A. Remove and replace unit pavers that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units as intended. Provide new units to match adjoining units and install in same manner as original units, with same joint treatment and with no evidence of replacement.
- B. Cleaning: Remove excess sand/cement mix from exposed paver surfaces; wash and scrub clean.

END OF SECTION 32 14 16



1
L100
HARDSCAPE MATERIALS PLAN
SCALE: 1" = 10'-0"

GENERAL NOTES

1. BASE INFORMATION PROVIDED BY CT CONSULTANTS, 4420 COOPER ROAD, SUITE 200, BLUE ASH, OHIO 45242, 513.791.1700.
2. CONTRACTOR SHALL LOCATE ALL UTILITIES, STRUCTURES, PAVEMENT AND VEGETATION TO REMAIN, AND TAKE THE NECESSARY PRECAUTIONS FOR THEIR PROTECTION DURING CONSTRUCTION. ANY FIELD ADJUSTMENTS REQUIRED SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO IMPLEMENTATION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS, ORDINANCES, RULES AND REGULATIONS DURING THE COURSE OF THIS PROJECT, INCLUDING BUT NOT LIMITED TO OSHA REQUIREMENTS FOR PUBLIC AND WORKER SAFETY.
4. CONTRACTOR SHALL COORDINATE WITH THE WORK OF OTHER TRADES TO ENSURE PROPER AND TIMELY EXECUTION OF THE WORK.
5. THESE NOTES APPLY TO ALL L SERIES SHEETS.

HARDSCAPE NOTES

1. SEE CIVIL ENGINEER DRAWINGS FOR ALL PAVING CROSS SECTIONS AND BASE REQUIREMENTS AND JOINTING TYPES. JOINTING LOCATIONS AS SHOWN ON HARDSCAPE PLAN.
2. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.
3. 4'x4' MOCK-UP REQUIRED FOR ALL PAVING TYPES. MOCK-UP MAY ULTIMATELY BE PART OF FINISHED PAVED AREA IF APPROVED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. DIGITAL LAYOUT INFORMATION PROVIDED BY CIVIL ENGINEER. SEE CIVIL ENGINEER'S DRAWINGS FOR MORE INFORMATION.
5. COORDINATE ALL ELECTRICAL UTILITIES & DRAINAGE STRUCTURES WITH HARDSCAPE ELEMENTS; CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS AND RESOLVE ISSUES IN THE FIELD.
6. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL CONTROL JOINTING. ALL JOINTS TO BE SAWCUT. EXPANSION JOINT MATERIAL AT RIGHT-OF-WAY.
7. 1/2" EXPANSION JOINTS TO BE PLACED AT BUILDING EDGES, ALL FIXED FOUNDATIONS OR OBJECTS AND WHERE SHOWN ON PLAN.
8. ALL SYNTHETIC TURF AREAS WILL HAVE UNDERDRAINS AND TIED INTO THE STORM SYSTEM, COORDINATE WITH CIVIL ENGINEER'S DRAINAGE PLANS.
9. ALL UNIT PAVERS THAT MEET SOFT LANDSCAPE EDGE, RATHER THAN BUILDING, WALL OR CONCRETE SHALL REQUIRE EDGING AS SPECIFIED AND SHOWN IN HARDSCAPE DETAILS.
6. PROVIDE OWNER WITH 10% OF PAVERS IN PROJECT FOR ATTIC STOCK.

HARDSCAPE AND MATERIALS SCHEDULE

KEY	ITEM	FINISH/ PRODUCT	COLOR	SUPPLIER (BASIS OF DESIGN OR APPROVED EQUAL)
	CONCRETE	SAW CUT JOINTS; LIGHT BROOM FINISH; NO TOOL MARKS	STANDARD	N/A
	SYNTHETIC TURF SAFETY SURFACE	PLAYGROUND GRASS ULTRA	GREEN	FOREVERLAWN KENTUCKIANA 10319 IN-62, Charlestown, IN 47111 CONTACT: Kerri Vaughn 502.379.1180 kerri@kyin.foreverlawn.com
	SYNTHETIC TURF BOCCETRASS COURT	BOCCETRASS COURT	GREEN	FOREVERLAWN KENTUCKIANA 10319 IN-62, Charlestown, IN 47111 CONTACT: Kerri Vaughn 502.379.1180 kerri@kyin.foreverlawn.com
	SYNTHETIC TURF LAWN	FUSION ELITE	GREEN	FOREVERLAWN KENTUCKIANA 10319 IN-62, Charlestown, IN 47111 CONTACT: Kerri Vaughn 502.379.1180 kerri@kyin.foreverlawn.com
	LARGE PAVERS	24"x36" ARCHITECTURAL PAVER	PAVERS: PG-27	NITTERHOUSE MASONRY PRODUCTS 859 Cleveland Ave., Chambersburg, PA 17201 717.268.4137 nitterhousesmasonry.com
	PAVER BAND	CITY LINE SERIES; STANDARD 4"x8"x2.25" W/ CHAMFER & LUGS; WIRE CUT FINISH	WHEATFIELD	BELDEN BRICK COMPANY 700 Tuscarawas St W, Canton, OH 44702 330.456.0031 beldenbrick.com
	BOULDERS	GLACIAL GRANITE	SIZE: 24" - 48" LA TO SELECT BOULDERS AT SUPPLIER	SEMCO OUTDOOR 11864 Chesterdale Rd, Cincinnati, OH, 45246 937-464-9094 www.semcooutdoor.com
	STONE STEPS	CANYON GRAY	SIZE: VARIES 6"-8" THICK; 3' LONG	SEMCO OUTDOOR 11864 Chesterdale Rd, Cincinnati, OH, 45246 937-464-9094 www.semcooutdoor.com
	SEAT WALL	SEE CIVIL DRAWINGS		



ISSUED FOR:	BID SET	NO	REVISION	DATE
11/14/23	11/17/25	1	REVISION 1	11/17/25
SCALE:	AS SHOWN	JR	JR	ND
DESIGNED BY:				
DRAWN BY:				
CHECKED BY:				

THE COMMONS AT HIGHLAND HEIGHTS
CENTRAL COMMONS IMPROVEMENTS
HIGHLAND HEIGHTS, KY

HARDSCAPE

PROJECT NO.	241829
DISCIPLINE	LANDSCAPE
SHEET NAME	L100
SHEET	OF
25	31