

Cambodia Town Project Updates

Department of Planning
and Development

September 19, 2024



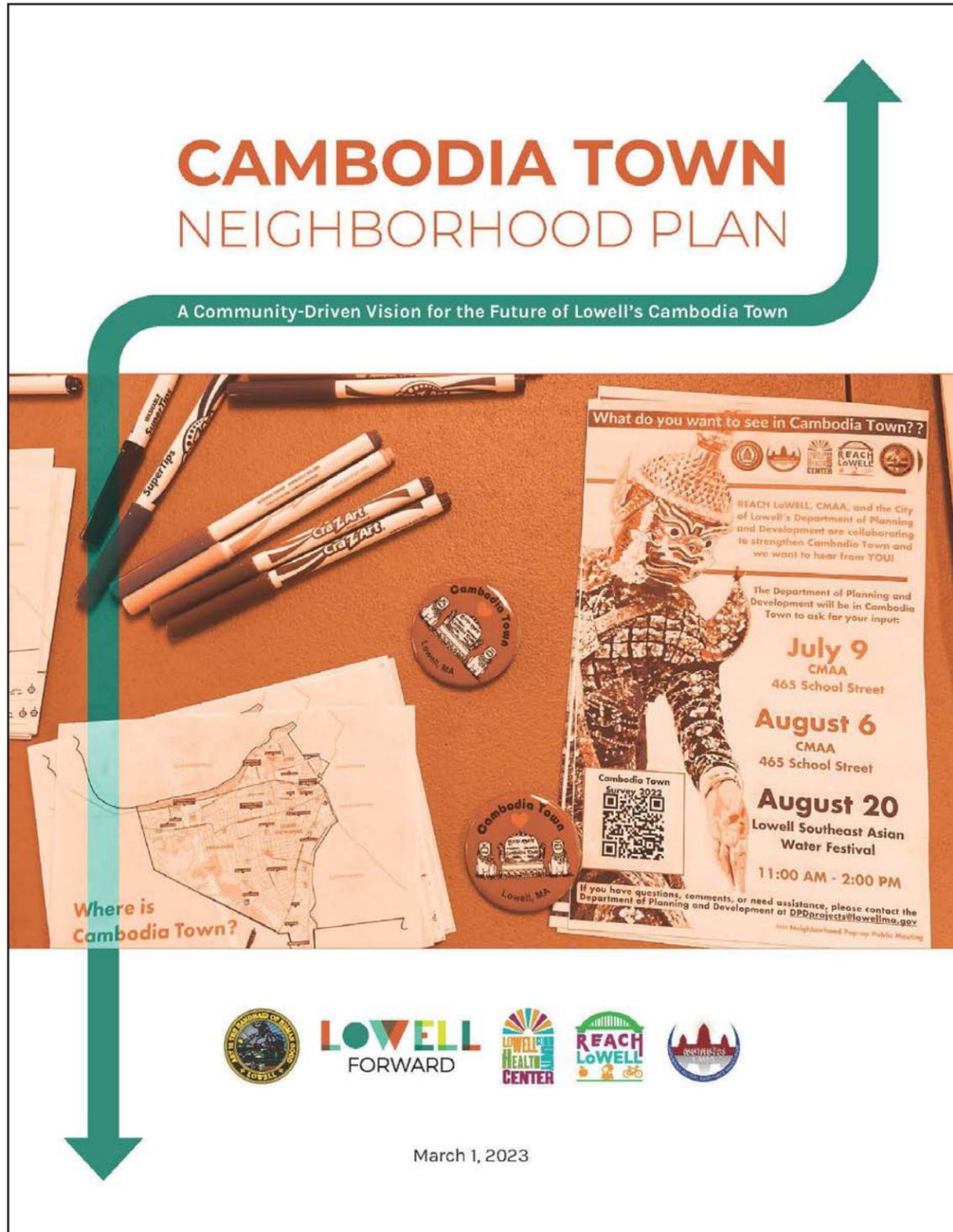
LOWELL
FORWARD



AGENDA

1. Opening Remarks
2. Cambodia Town Neighborhood Plan Implementation Progress
3. **MOBILITY + CONNECTIVITY** Updates
4. **CULTURAL IDENTITY** Updates
5. **SUSTAINABILITY + ENVIRONMENT** Updates
6. **ECONOMIC DEVELOPMENT** Updates
7. Closing Remarks

CAMBODIA TOWN NEIGHBORHOOD PLAN IMPLEMENTATION PROGRESS



#	Action	ANTICIPATED TIMELINE								
		2023	2024	2025	2026	2027	2028	2029	2030	
MOBILITY + CONNECTIVITY										
1	Redesign Branch Street x Middlesex Street Intersection	✓								
2	Improve Safety of Pedestrian Crossing and Bus Stop in front of Boys and Girls Club	*								
3	Road Safety Audit	✓								
4	Repaint Existing Crosswalks and Install New Crosswalks Where Needed	✓								
5	Replace Movable A-Frame Pedestrian Crossing Signs with Permanent Signage	✓								
6	2023 Roadway Pavement and Sidewalk Reconstruction	✓								
7	Implement Shared Streets Pilot Projects									
8	Work with LRTA to Improve Bus Service + Stops									
9	Expand Bicycle Infrastructure									
CULTURAL IDENTITY										
10	Cambodia Town Gateway Arch									
11	Funding Public Art + Events									
SUSTAINABILITY + ENVIRONMENT										
12	Clemente Park Renovation									
13	Armory Park Splash Pad									
14	Greening the Gateway Cities									
ECONOMIC DEVELOPMENT										
15	ARPA Storefront Improvement Program									
16	Support Businesses by Implementing Mobility + Connectivity, Cultural Identity, and Environment + Sustainability Actions									

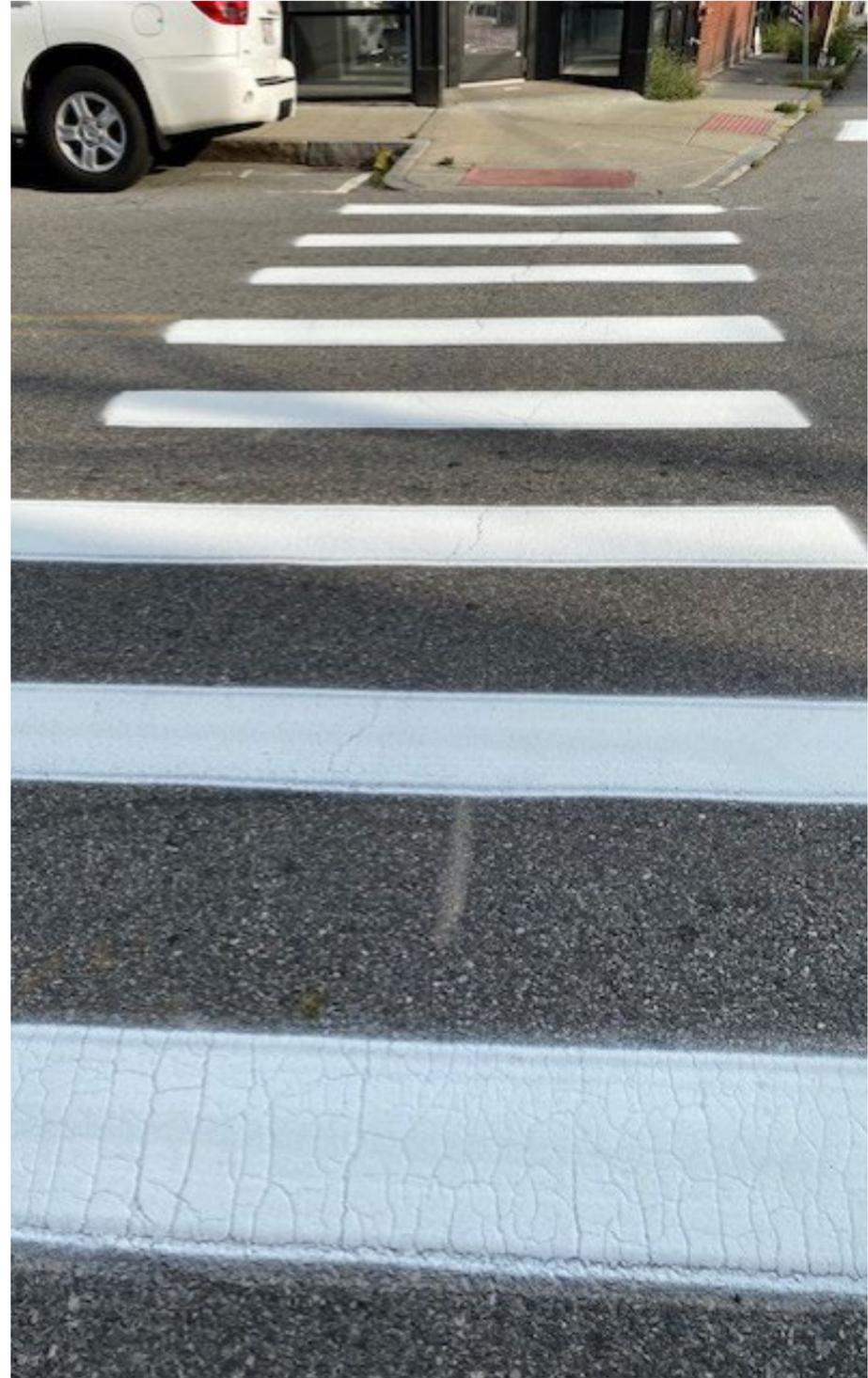
- *
- *
- ✓
- ✓
- ✓
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- ✓
- ✗
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✓ COMPLETED
 * IN PROGRESS
 ○ NOT YET STARTED
 ✗ NOT BEING PURSUED AT THIS TIME

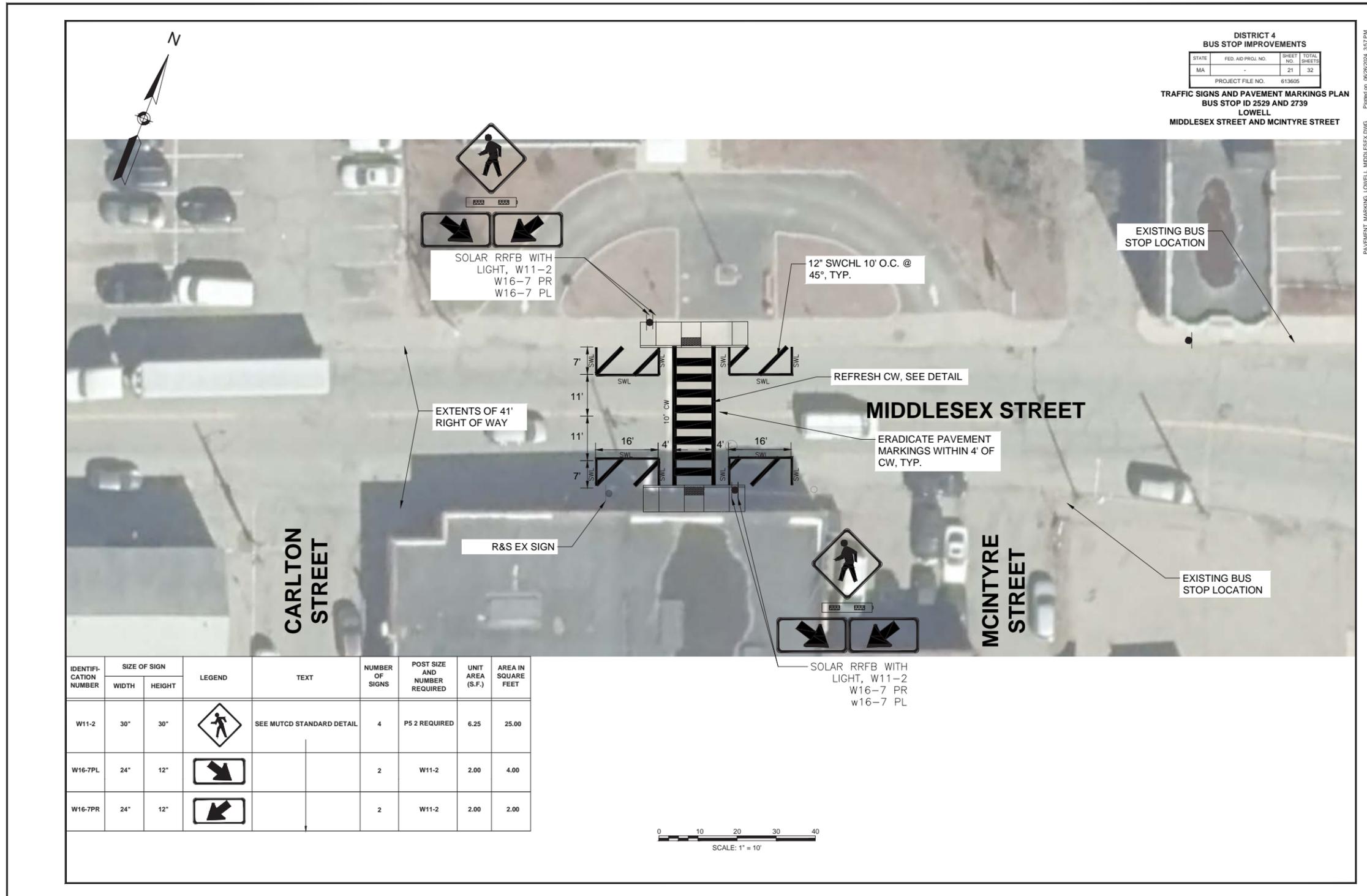


MOBILITY + CONNECTIVITY UPDATES

CROSSWALK / SIDEWALK IMPROVEMENTS; ROAD STRIPING - COMPLETED 2023 - 2024



BOYS & GIRLS CLUB CROSSWALK IMPROVEMENT - 2025 CONSTRUCTION



ACTION 2

BRANCH X MIDDLESEX STREET INTERSECTION RECONFIGURATION - 2025 CONSTRUCTION

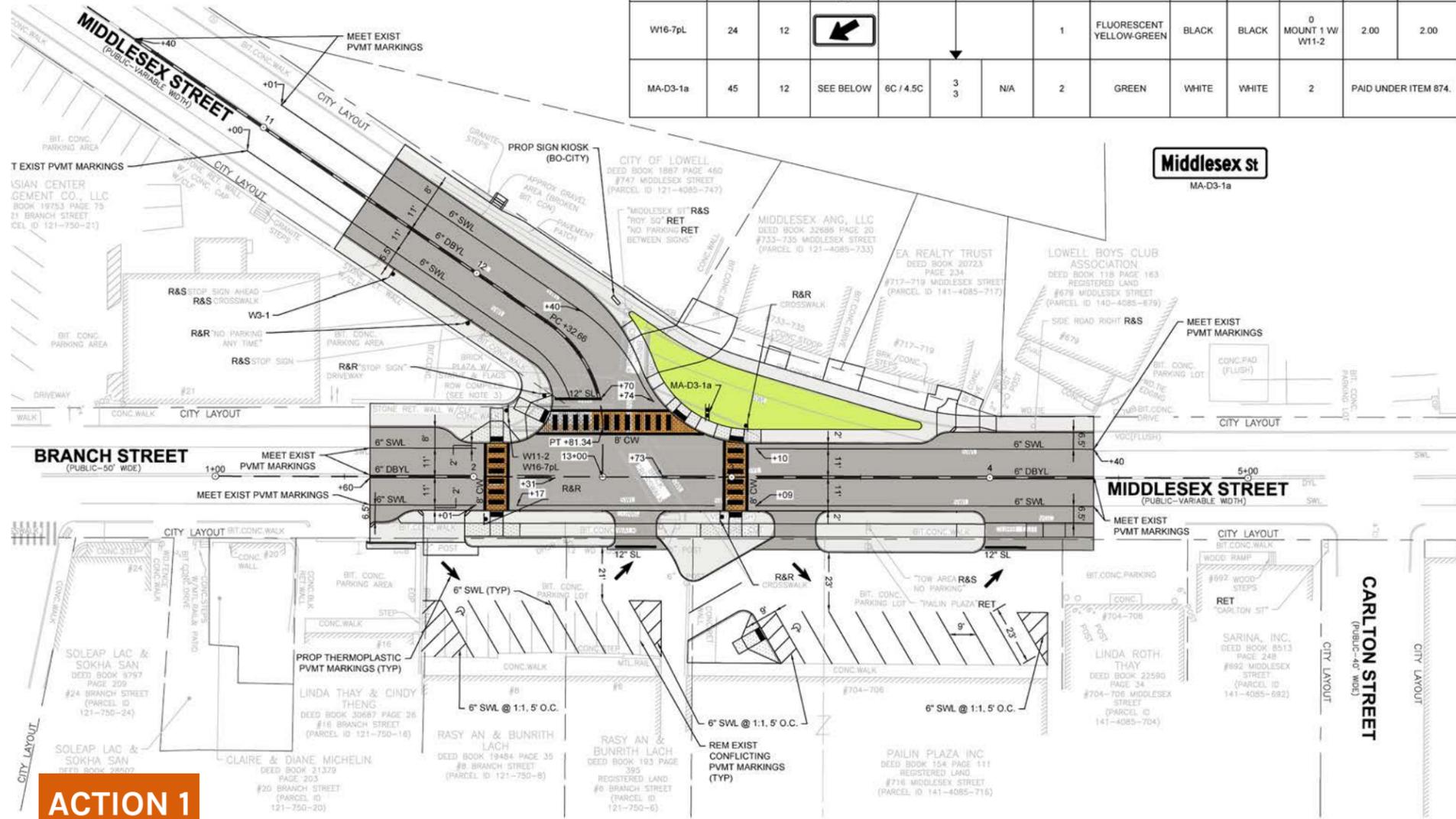
NOTES:

1. THE MINIMUM MOUNTING HEIGHT OF POST-MOUNTED SIGNS, MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE TOP OF CURB OR SIDEWALK, OR THE ELEVATION OF THE NEAR EDGE OF TRAVEL WAY, SHALL BE 7 FEET UNLESS OTHERWISE SPECIFIED.
2. A MINIMUM 4'-0" PATH OF TRAVEL CLEARANCE, EXCLUDING CURB, IS REQUIRED WHEN PLACING SIGNS. SIGNS SHALL BE INSTALLED SUCH THAT THE NEAREST EDGE SHALL BE OFFSET A MINIMUM OF 18" FROM THE EDGE OF ROADWAY.
3. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE RETAINED UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
4. ALL PAVEMENT MARKINGS WITHIN THE LIMITS OF WORK SHALL BE THERMOPLASTIC MATERIALS UNLESS OTHERWISE NOTED.
5. ALL EXISTING PAVEMENT MARKINGS WITHIN DIRECT CONFLICT OF NEW PAVEMENT MARKINGS SHOULD BE ERADICATED BY APPROVED METHODS.

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN (in)		LEGEND	TEXT DIMENSIONS (in)			NUMBER OF SIGNS REQUIRED	COLOR			NUMBER OF POSTS REQUIRED	UNIT AREA (SF)	TOTAL AREA (SF)
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR		BACK-GROUND	LEGEND	BORDER			
W3-1	30	30		SEE 2023 MUTCD			1	YELLOW	RED	BLACK	1	6.25	6.25
W11-2	30	30		SEE 2023 MUTCD			1	FLUORESCENT YELLOW-GREEN	BLACK	BLACK	1	6.25	6.25
W16-7pL	24	12		SEE 2023 MUTCD			1	FLUORESCENT YELLOW-GREEN	BLACK	BLACK	0 MOUNT 1 W/ W11-2	2.00	2.00
MA-D3-1a	45	12	SEE BELOW	6C / 4.5C	3 / 3	N/A	2	GREEN	WHITE	WHITE	2	PAID UNDER ITEM 874.	

LOWELL
BRANCH STREET & MIDDLESEX STREET
TRAFFIC SIGN & PAVEMENT MARKING P
SHEET 8 OF 20



ACTION 1



Draft Recommendation Plan

The Road Safety Audit completed in 2022 led to a successful Safe Routes to School Grant application by the City. The grant resulted in recommendations for pedestrian safety improvements which MassDOT is currently reviewing as part of their design process.

LEGEND:

PROPOSED SWEL	
PROPOSED DYCL	
PROPOSED PEDESTRIAN RAMP	
PROPOSED CROSSWALK	
PROPOSED SHARED USE PATH	
PROPOSED RRFB	
PROPOSED PEDESTRIAN SIGNAL W/ POST AND PUSH BUTTON	
PROPOSED FULL INTERSECTION SIGNAL UPGRADE*	
EXISTING UTILITY POLE	
EXISTING FIRE HYDRANT	

* INCLUDES REPLACEMENT OF ALL SIGNAL EQUIPMENT: MAST ARMS, TRAFFIC SIGNAL POSTS, TRAFFIC SIGNAL INDICATORS, PEDESTRIAN SIGNAL POSTS, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, AND TRAFFIC SIGNAL CONTROLLER



ACTION 3+



CULTURAL IDENTITY UPDATES

CAMBODIA TOWN NIGHT MARKET PILOT - COMPLETED 2023

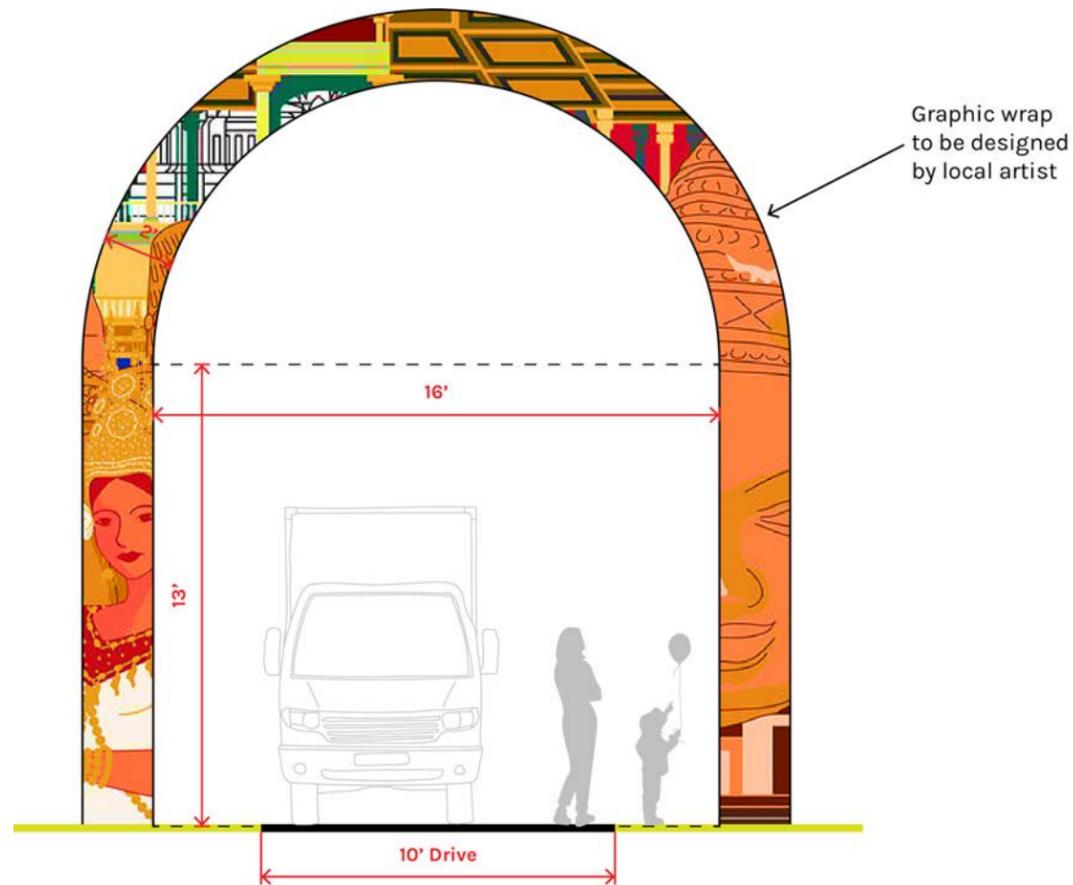


ACTION 11

CAMBODIA TOWN PUBLIC ART PROJECT - 2025 INSTALLATION

CASE plans to work with a local artist to design an entrance arch into Clemente Park. The image shown here is an example and is not the final design.

This is different from the Cambodia Town Gateway Arch project, which is in the early planning stages.



ACTION 11

CAMBODIA TOWN BANNERS - 2026 INSTALLATION (FOLLOWING 2025 CONSTRUCTION)





SUSTAINABILITY + ENVIRONMENT UPDATES

CLEMENTE PARK BOCCE COURT - COMPLETED 2022



CLEMENTE PARK PHASE 1 - 2025 CONSTRUCTION

EXISTING CONDITIONS



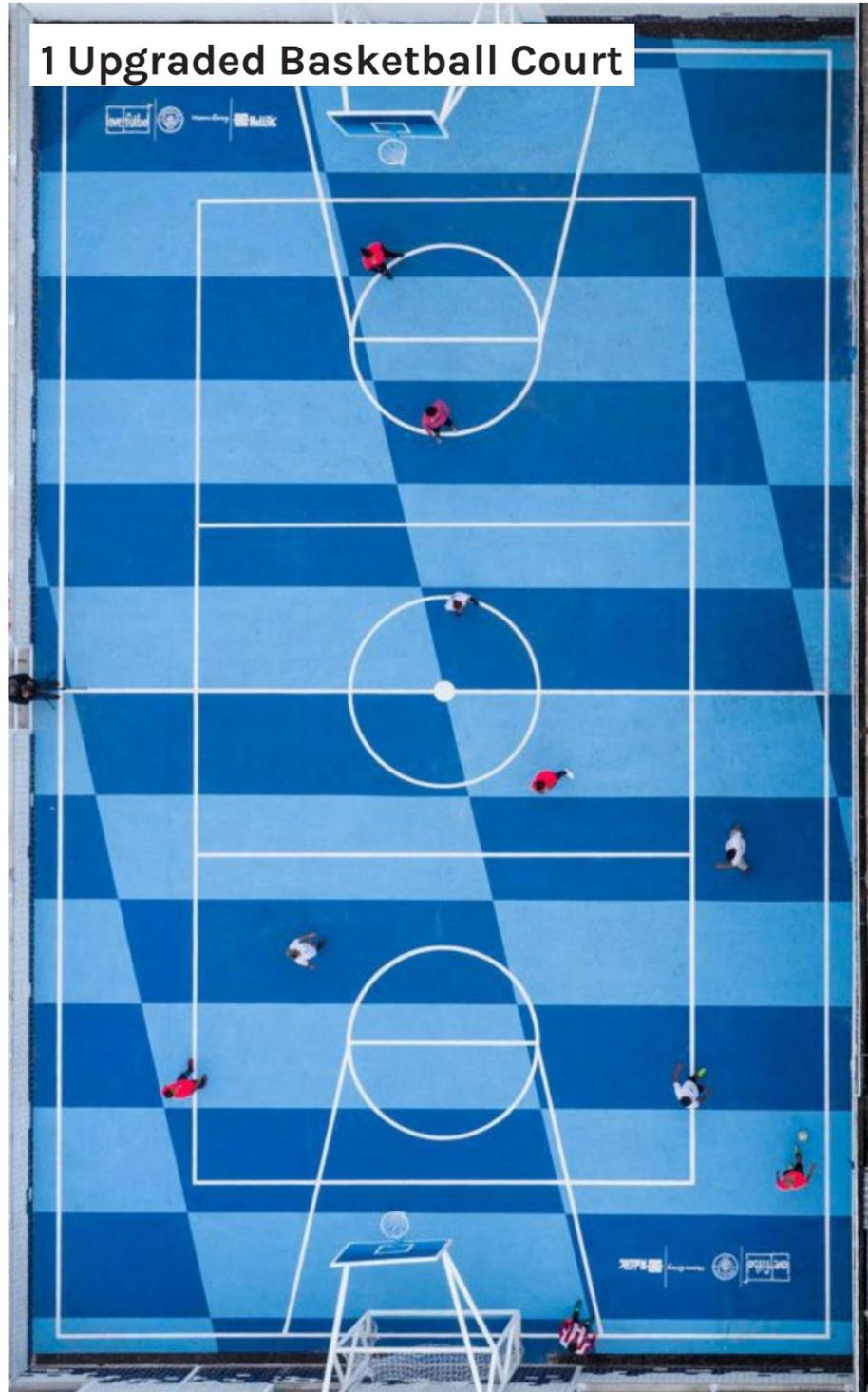
PHASE 1 FINAL DESIGN



ACTION 12

CLEMENTE PARK PHASE 1 - 2025 CONSTRUCTION

1 Upgraded Basketball Court



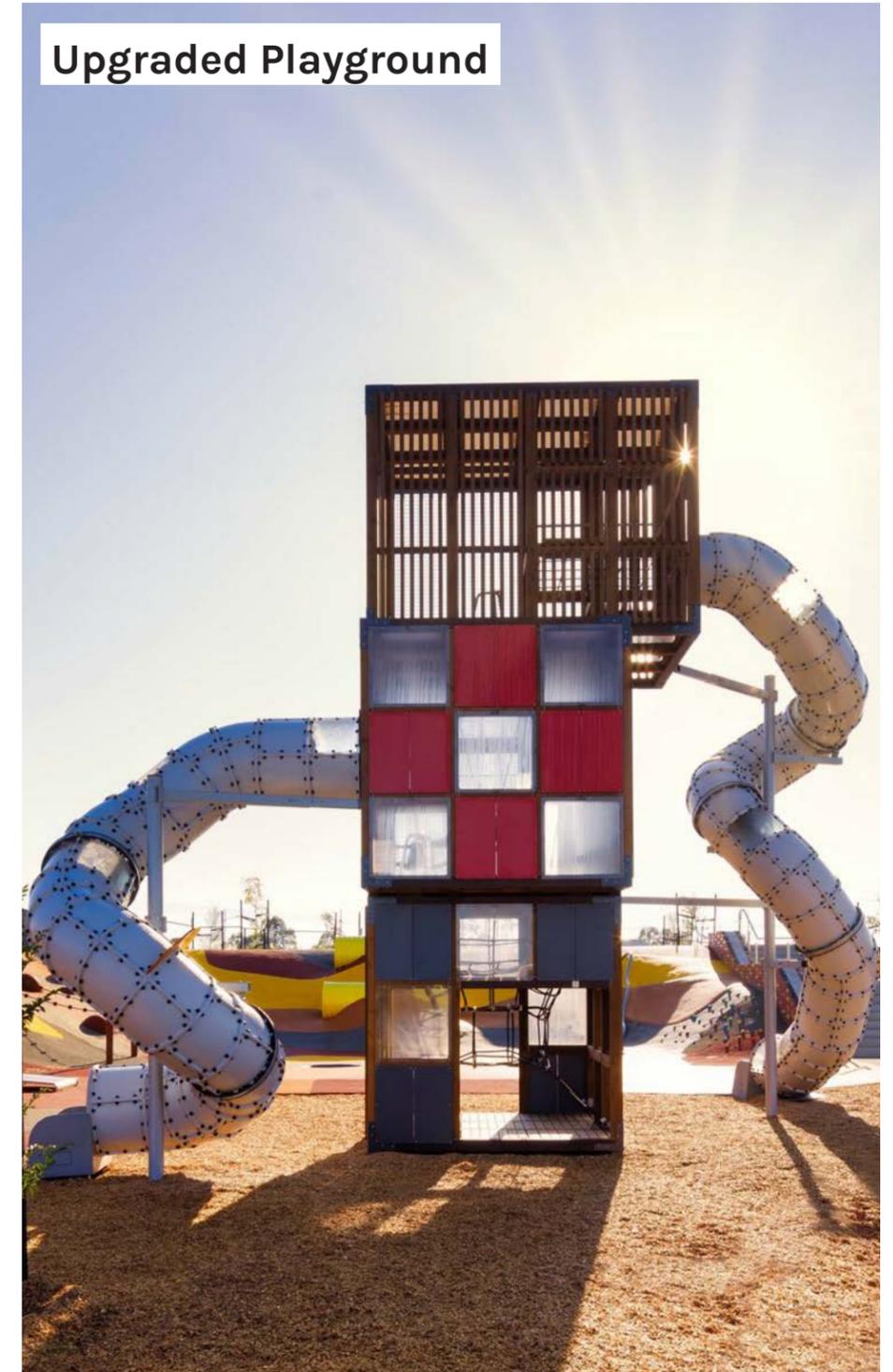
8 Upgraded Volleyball Courts



Circular Event Lawn



Upgraded Playground



CLEMENTE PARK PHASE 1 - PLAYGROUND

Saucer Swing

Halo Cubic Tower with Slides

Play Planetarium

Tilted Whirlwind Seat

Swings

Hillside Double Zip Slide

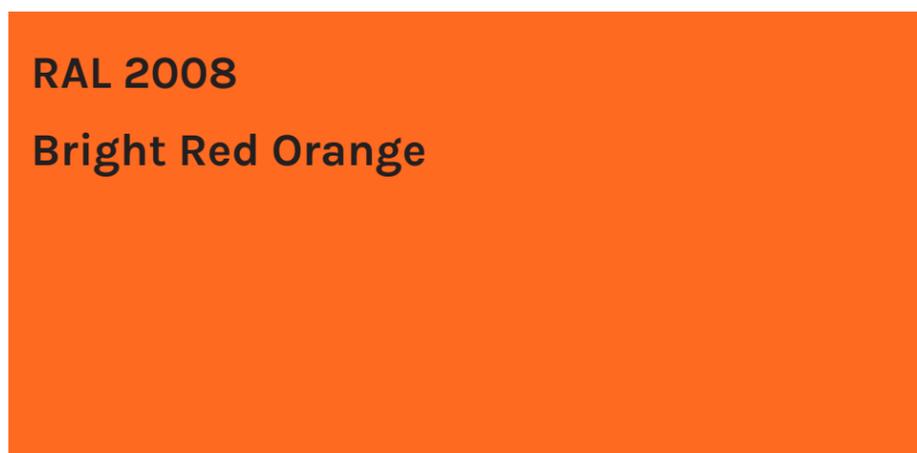
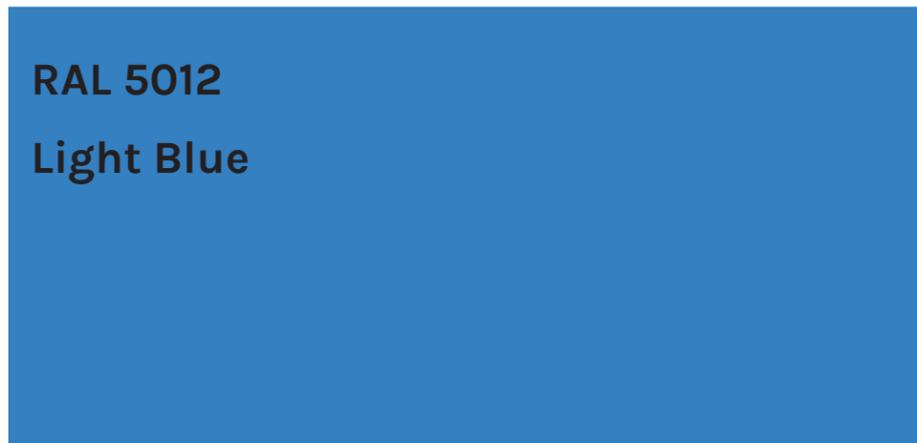
Hillside Roller Slide

Sensory Wave Seat

Example of embankment slide with handholds

Colors are different than shown

CLEMENTE PARK PHASE 1 - SITE FURNISHINGS (IF BUDGET ALLOWS)



CLEMENTE PARK PHASE 1 - BASE BID VS. ADD/ALTS

BASE BID:

- ▶ (1) New Basketball Court
- ▶ (8) New Volleyball Courts
- ▶ (1) Upgraded Playground
- ▶ (4) New Trash Receptacles
- ▶ (1) Collapsible Bollard
- ▶ New Paths and Landscaping (Circular Event Lawn with Vehicular Access)

ADD/ALTERNATES (IF BUDGET ALLOWS):

1. (2) New Acrylic Backboards for Basketball
2. (1) Bicycle Rack (5 Bikes)
3. (1) Lap Marker
4. (7) Backed Benches
5. (18) Backless Benches
6. (5) Additional Trash Receptacles
7. (9) Cafe Tables with Seats
8. (1) Drinking Fountain
9. (1) Dog Waste Receptacle
10. (2) Wheelchair-Accessible Picnic Tables
11. (1) Mid-Park Stair Entrance off Middlesex Street
12. (1) Ramped Entrance at Western Corner of Park
13. Additional Landscaping

The Base Bid is the minimum improvements that the City will build.

Add/alternates are additional improvements that the City will build if they fit within the budget.

Any add/alternates that are not able to fit within the budget for phase 1 will be included in the phase 2 scope of work.

ARMORY PARK SPLASH PAD - COMPLETION ANTICIPATED SEPTEMBER 2024

Design renderings by Kyle Zick Landscape Architects



ARMORY PARK SPLASH PAD - COMPLETION ANTICIPATED SEPTEMBER 2024

9/10/2024



GREENING THE GATEWAY CITIES - ONGOING



អត្ថប្រយោជន៍នៃដើមឈើ

មានអត្ថប្រយោជន៍ជាច្រើនក្នុងការបន្ថែមដើមឈើនៅក្នុងទីក្រុងរបស់អ្នក! ស្វែងយល់បន្ថែមអំពីអត្ថប្រយោជន៍របស់ដើមឈើខាងក្រោម ហើយចុះឈ្មោះដើម្បីទទួលបានដើមឈើដោយឥតគិតថ្លៃនៅថ្ងៃនេះ! សូមចូលទៅគេហទំព័រ MAUrbanCanopy.org ដើម្បីទទួលបានព័ត៌មានបន្ថែម!



បន្ថយកំដៅផែនដី
ដើមឈើទប់ទល់នឹងកំដៅផែនដីដោយស្រូបយកកាបូនឌីអុកស៊ីតពីលើអាកាស។

សម្អាតខ្យល់
ដើមឈើជួយក្រុងយកផ្លូវចេញ និងស្រូបយកខ្យល់ពុលពីបរិយាកាស។

ផ្តល់នូវអុកស៊ីសែន
ដើមឈើបញ្ចេញអុកស៊ីសែនឱ្យយើងដកដង្ហើម។

ទប់ស្កាត់គ្រោះទឹកជំនន់
ដើមឈើអាចកាត់បន្ថយព្យុះភ្លៀងប្រចាំឆ្នាំបានពី ២-៧% ។

ទប់ស្កាត់ការស៊ីករិចរិលដី (PREVENT EROSION)
ឫសដើមឈើជួយអោយដីម្រាលដីដែលចោតមានស្ថេរភាពដោយបន្ថយល្បឿនទឹកហូរ ធ្វើឱ្យដីនៅកន្លែងរបស់វា។

បង្កើតជម្រកសត្វ
បក្សីនិងសត្វជាច្រើន យកដើមឈើធ្វើជាអាហារនិងទីជម្រក។

ផ្តល់ភាពត្រជាក់
ឥទ្ធិពលនៃភាពត្រជាក់ពីដើមឈើដែលមានសុខភាពល្អ គឺស្មើនឹងម៉ាស៊ីនត្រជាក់ដែលប្រើនៅក្នុងទំហំ ១០ បន្ទប់ដំណើរការ ២០ ម៉ោងក្នុងមួយថ្ងៃ។

ការកាត់បន្ថយស្ទុកសម្លេង
តាមដងផ្លូវដែលមានដើមឈើ កាត់បន្ថយការបំពុលសំលេង ដោយស្រូបយកសំលេងនិងបន្ថយល្បឿនចរាចរណ៍។

លើកកម្ពស់គុណភាពជីវិត
ដើមឈើលម្អតំបន់រស់នៅ និងកាត់បន្ថយខ្លាចក្រីក្រ វាធ្វើអោយប្រសើរឡើងនូវគុណភាពជីវិត។

លើកកម្ពស់សុខភាព
កុមារដែលរស់នៅក្នុងតំបន់មានដើមឈើជាច្រើន មានអត្រា ADHD ទាបជាងតំបន់ផ្សេងៗ។

បន្ថែមតម្លៃ
ដើមឈើនិងទេសភាពអាចបង្កើនតម្លៃទ្រព្យសម្បត្តិរហូតដល់ ២០% ។

សន្សំថ្លៃប្រាក់
ម្លប់របស់ដើមឈើនៅក្នុងតំបន់របស់អ្នក អាចកាត់បន្ថយការចំណាយលើម៉ាស៊ីនត្រជាក់នៅរដូវក្តៅបាន ៣០-៤០%។

ផ្តល់ជាម្ចាស់
ដើមឈើការពារអ្នកពីការស្លៀកខ្លាញ់ដែលអាចបណ្តាលឱ្យកើតជំងឺមហារីកស្បែក វាជាទម្រង់មហារីកដែលកើតមានទូទៅបំផុតនៅសហរដ្ឋអាមេរិក។

កាត់បន្ថយអំពើហិង្សា
ការសិក្សាស្រាវជ្រាវបានបង្ហាញថា តំបន់រស់នៅដែលមានដើមឈើ មានអត្រាខ្លាចក្រីក្រកម្រិតទាបជាងតំបន់ដែលកើតឡើងទាប។

បន្ថយល្បឿន
ដើមឈើនៅតាមដងផ្លូវ កាត់បន្ថយល្បឿនរបស់អ្នកបើកបរយានយន្ត ដែលអាចជួយការពារកូនៗរបស់អ្នកឱ្យមានសុវត្ថិភាព។

ACTION 14



Visit maurbancanopy.org to request a free tree!



ECONOMIC DEVELOPMENT UPDATES

ARPA STOREFRONT IMPROVEMENT PROGRAM - COMPLETED 2023



Signarama The way to grow your business. Customer: Simply Khmer Contact: _____
 Date: 1.16.24 Proof: 1 Design: Justin
 7 Summer St. Unit 29 - Chelmsford MA. 01824 • p: (978) 459-6088 f: (978) 459-6099 • signarama-chelmsford.com
 Note: Actual colors may not be correctly represented by computer monitors or printed proofs. Colors are defined by the digital file used for final production.
 Matching of specific colors is also available for an additional fee. Up to 3 proofs are provided free of charge, additional proofs are available for \$25 per proof.
 Sign-A-Rama will prepare your order according to your specifications. The customer is solely responsible for proofreading.
 By approving the proof, you engage contract and approve of its content.



Back Panel Height:34.5"

Back Panel Width:104.25"

Qty:1
 104.25"W x 34.5"H
 Lightbox, Polycarbonate Panel & DP W/
 Install &
 Permit Service
 Total & Return Colors Black

SMALL BUSINESS EXPANSION PROGRAM

The City can provide zero-interest, forgivable loans to support expenses associated with the company's expansion or relocation to Lowell. These loans, funded through our federal Community Development Block Grant program allocation, require no monthly payments and are forgivable if the company remains in Lowell for a minimum of three years and can provide proof of job creation in the form of payroll documentation.

RESTAURANT AND RETAIL TECHNICAL ASSISTANCE

The City has hired expert consultants from the restaurant and retail entrepreneurship professions to work with businesses who need specialized advice. Business owners can apply for assistance and be paired with a consultant who can analyze their needs and develop a work plan for them to reach their goals.

