

II. PLANNING PROGRESS

The Office Park Master Plan is created in response to the Elks Lodge needing to develop its property to its potential in order to preserve the Portland chapter. Two tenants have entered into an agreement with Northland Enterprises, LLC to develop their own buildings on the site with shared infrastructure. One building will house a collection of medical practices, while the second will be for an insurance office. The goal is to create a site plan that allows the Elks Lodge, and two new structures, to be compatible with each other and the surrounding neighborhood, and for the development's character to appear unified by those viewing the site as they travel on Congress Street and from within the development.

The design team approached the planning of the property through a traditional design process, beginning with an analysis of the site context, studying the property's opportunities and constraints, preparing organizational diagrams, and then developing site planning options for the three buildings and their related components. With that information in place, the design team then developed this Master Plan, the Design Guidelines, and the project recommendations.

*Refer to: Exhibits 4 through 7 - Site Analysis
Exhibits 8 through 15 - Development Options
Exhibits 17 through 27 - Recommendations*

III. PROPERTY MASTER PLAN OVERVIEW

As set forth in the City's Codes of Ordinances, an Office Park Planned Unit Development (OPPUD) must be designed as an integrated, cohesive project guided by a Master Plan. The structure siting and facilities layout has to be thoughtful and appropriate to the context and environmental conditions of the parcel; there needs to be a consistent and considered architectural treatment; the traffic management, parking and circulation plans must be fully integrated with the uses and adjoining public ways; and the site improvements and landscape treatment need to be designed for the entire property, not on a piecemeal, building by building basis.

A. Goals:

Based upon guidance from the City staff and Planning Board, the program from Northland Enterprises, LLC, and input from the future tenants and the design team, the goals for the redevelopment of 1945 Congress were established, and include the following:

1. Preserve the original portion of the Elks structure and appropriate parking for the Lodge's use;
2. Design a project that is sensitive to the neighborhood concerns regarding context and compatibility;
3. Create two (2) new building envelopes and associated site improvements, designed to meet the specific needs of Clark Insurance and Dr. Bedecs's Medical Group;
4. Preserve existing wetlands, steep slopes and the mature vegetation on the property;
5. Prepare a design response for the site that unifies the grounds and landscape character and appropriately buffers neighboring uses;
6. Develop comprehensive design guidelines for the treatment of the existing Elks Lodge building to be retained, and the new structures to be built on the parcel based upon building locations and relationships to the site features.

B. The components of the Master Plan include the following:

1. Identify defined building windows for three (3) structures; including one around the Elks building sized for a future replacement building which would likely be office use;
2. Plan for the required infrastructure for the entire parcel including: drainage and stormwater treatment systems, utilities, drives and parking, walks, lighting, signage/wayfinding, amenities, and gathering spaces;
3. Prepare design guidelines for the common areas that will include outdoor buffer areas, greenspaces/gathering spaces, and connections to trails/paths;
4. Define the circulation systems including site access and egress, internal vehicular circulation, pedestrian systems, loading areas, and parking appropriately sized for the uses;
5. Create guidelines for the architectural character, including restrictions to ensure compatibility of the new buildings with each other, for the two (2) new buildings with respect to compatible materials, colors and forms, treatment strategies for the Elks building, similarly detailed building entrances, and utilization of common site elements for the exterior of the buildings;
6. Create private development restrictions through an Association formed for joint maintenance which will review and enforce conformance with design guidelines for any future changes to building or site. These will include all structures, lighting, and planting.

Refer to: Exhibit 7 - Site Analysis: Development Considerations

IV. DESIGN, PLANNING, AND DETAILS

A. Design relationship to site:

The proposed project is planned to be developed to leave the original, circa 1964 portion of the Elks building in place. With that as a point of beginning for organizing the development on the property, the following were identified as critical for establishing a sound relationship on this site:

- Preserve a significant amount of greenspace on Congress Street;
- Create visual and acoustic buffers for the adjacent residential uses;
- Retain the mature planting on UNUM Drive;
- Protect the steep slopes on the north side of the lot.

These factors combine to define the buildable area on this parcel.

*Refer to: Exhibit 4 - Site Analysis: Existing Conditions
Exhibit 6 - Site Analysis*

B. Preservation of Natural Features:

The existing site is developed with a building, parking for approximately 253 vehicles, and lawns which cover approximately 4.3 of the 7.0 acres. There is a wetland and ravine on the adjoining UNUM lot with natural vegetation defining the northern edge of the property which will be preserved. There is a limited amount of existing deciduous and evergreen vegetation to the east adjacent to the existing residences, along with a substantial stand of invasive Japanese knotweed. The on-site knotweed will be eradicated, and the mature trees will be preserved. There are street plantings along Congress Street and the UNUM access road, the majority of which will be retained. Removals and pruning will take place for the proposed entrance driveway as well as for visibility and safety.

*Refer to: Exhibit 4 - Site Analysis: Existing Conditions
Exhibit 6 - Site Analysis
Exhibit 7 - Site Analysis: Development Considerations
Exhibit 18 - Conceptual Site Plan*

C. Building Design:

As noted elsewhere in this Master Plan, a portion of the Elks Lodge structure will be retained, and the building exterior renovated. The types of materials and trim details to be used on that structure will be different than those used on the other two buildings given the scale, massing, and location of the Elks structure in the lot. The exterior of the Elks Lodge will be covered with an EIFS-type surface (i.e. Dryvit) and treated with an appropriately scaled trim and details.

For new construction on the site, the building forms should be simple, contemporary New England in style, and designed so that they share a common material on part, or all, of the building facades (e.g. brick). Natural colors are desired with simple, clean, modern fenestration and detailing.

The building closest to Congress Street must be two stories in height, with an entrance facing Congress Street as well as into the property. This structure can have a flat or a sloped roof, but if it is sloped, the pitch should be in the New England vernacular with a minimum pitch of 10 in 12. The building is sited on the Master Plan to be 58 feet away from the right of way (at its closest point), and 70 feet off the east lot line to create an appropriate green space around the structure and to help block direct sight lines to the Elks Lodge Structure from Congress Street.

The new building closer to UNUM Drive, and any future structures, can be one or two stories, with the main entrances facing into the site. The structures can have flat or sloped roofs, but the roof pitch, if sloped, should be 10 in 12 or greater. As with the building on Congress Street, these structures need to be simple, and well-conceived in their massing, with thoughtful detailing.

Within the site, all three structures shall have common entrance treatments to emphasize the main entry points of all of the buildings. These can take the form of canopies, free standing trellises, or applied overhangs. The detailing, materials, and colors should be similar for all three (3) uses to create visual coherence within the development.

Refer to: Exhibit 7 - Site Analysis: Development Considerations
Exhibit 18 - Conceptual Site Plan
Exhibit 23 - Design Guidelines: Site Improvements

D. Landscaping:

In general, the existing rear and side yard vegetation to be preserved is quite naturalized in character, and it is recommended that the on-site landscape treatment be naturalized in character to the north and east, and become more formal in appearance closer to Congress Street and UNUM Drive. As previously noted, invasive species shall be removed, and the planting and tree preservation shall follow the standards set forth in the City's Technical Manual.

Well developed buffers and screening of side yard areas adjacent to the residential uses will separate the on-site parking lots and driveways from public and abutter views. To improve the separation from the adjacent residential uses, there will be a dense deciduous and evergreen edge created with trees, shrubs, and fencing. The landscape treatment plan will retain the mature vegetation where it exists; remove invasive species, and create a minimum 35' deep buffer adjacent to the two residences. Integral with the planting will be a 4' to 6' high, solid board fence. On Congress Street and on the project edge against UNUM Drive, there shall be new plantings including evergreens, ornamental deciduous trees, and shrubs.

*Refer to: Exhibit 18 - Conceptual Site Plan
 Exhibit 19 - Section At Buffer
 Exhibit 20 - Section at Congress Street*

E. Traffic and Parking:

The access and egress to the property will continue to be from the UNUM access road, but the existing separated driveways will be combined at the location of the existing exit driveway. This change will enlarge the greenspace at the project entrance and addresses issues noted by the City of Portland's Traffic Engineer including creating a longer vehicular stacking length between the driveway entrance and Congress Street for incoming vehicles. The interior vehicular circulation allows for several opportunities to loop internally, and avoids long dead end parking areas. Bus parking for four (4) buses will be provided on-site.

Based upon research by Mohr & Seregin and Pinkham & Greer, the parking requirements vary for each building's occupants. Clark Associates, an insurance business, has 82 employees (with plans for an additional 12) who work regular business hours. They also have a number of business training events per week that receive six (6) to twenty plus (20+) attendees, and several board meetings per year that receive ten (10) to thirty-eight (38) attendees. Clark Associates' present office has one hundred seven (107) spaces which isn't sufficient for their events, and

forces them to hold their training events off-site. The proposed site plan allocates one hundred two (102) parking spaces and twenty (20) shared spaces to be used by Clark Associates.

The Elks Lodge at present has approximately two hundred fifty-four (254) parking spaces. The Lodge has agreed to reduce their parking spaces to eighty-one (81), plus having access to twenty (20) shared spaces on the parcel. This will suffice for the majority of their needs during business hours and for public events. During weekends and evening, if necessary, their parking can overflow into the spaces not being used by the insurance or medical offices.

The medical offices are currently planned to include five (5) separate practices with approximately fourteen (14) providers and twenty-four (24) support staff. The new building will include thirty-two (32) to thirty-six (36) exam rooms (about 2.5 exam rooms per provider). Typical maximum occupants of the building at any one time is estimated to be eighty-eight (88) (38 employees + 36 patients in exam rooms + 14 in waiting room). The site plan allocates sixty (60) parking spaces for this use, and plans for use of the twenty (20) shared spaces, with short term overflow into the adjacent spaces if needed.

The site plan proposes a total of two hundred sixty-three (263) spaces for cars, of which twenty (20) will be shared by the three uses on the lot. There will also be four (4) spaces for buses, eleven (11) spaces for motorcycles and four (4) bike racks. The sidewalk connections to Congress Street will provide access for pedestrians, and for the METRO bus uses coming from the terminal stop on the Jetport Access Drive.

Northland Enterprises, LLC will work with the three (3) building occupants on the parcel to develop a parking management plan which will accommodate on-site tenants, meetings, and functions. This will assure that the proposed parking is appropriately utilized, and parking demand will be managed with practices such as car pooling, staggered, and off-hours use, and utilization of alternative means of transportation.

Refer to: Exhibit 16 - Site Analysis: Parking
Exhibit 26 - Parking Table
Exhibit 27 -- Parking Plan

F. Lighting Design:

A comprehensive lighting plan has been developed for the project to assure appropriate lighting levels and uniform character. The lighting plan includes LED light fixtures for the parking lots at 20 foot heights, and a separate light system for the walkways. There will be LED accent lighting at the building entrances.

The lighting shall be designed in general conformance with the City's Technical Standards. The proposed average lighting level will be 1.1 to 1.25 foot candles which is lower than the required 1.5 foot candles. This is being done to reflect the context, and the adjoining residential uses.

All of the light fixtures will be installed with backlight shields, and will be dark sky compliant. The site lights will be controlled by a management system which will dim the lights after 8:00pm, and have an auto-shut-off mode with a motion detection override between the hours of 11:00pm and 6:00am.

*Refer to: Exhibit 21 - Lighting Concept
 Exhibit 22 - Design Guidelines: Lighting*

G. Stormwater Treatment and Management:

The existing stormwater runoff on the lot is managed through sheet drainage, with flows directed to the north or to the west into established, stable drainage ways. The proposed storm drainage will need to be sheet flows directed to the north or west to avoid concentrating runoff in an enclosed system. To achieve the necessary runoff treatment, it is recommended that underdrained soil filters, tree well treatment systems, advanced infiltration systems (e.g. Filtera), or some combination of these strategies be used on the northern edge of the proposed parking areas.

H. Signage:

An integrated signage plan is proposed which coordinates the sign types proposed for the project on Congress Street. The signage will include:

1. Property Identification Sign will be a joint identification sign. (on the corner of Congress Street and UNUM Drive): Shall be sited in the same general area as the existing Elks Club sign so as to be visible from both directions on Congress Street and from Jetport Boulevard, and a smaller sign placed at the new drive intersection within UNUM Drive. It shall be similar to other signs in the Stroudwater neighborhood in size and scale, and shall contain the address on the top with the list of businesses below in a smaller font and color. The sign will be lit from above or from below and shall not be internally lit.
2. Business Identification Signs: Each business will have building mounted signage that is visible from the public way and from the parking areas as needed. The signs may be individualized and contain the business logos as appropriate. If the medical building contains more than one medical practice, each individual tenant will be allowed a sign per ordinance that is visible from the public way.
3. Wayfinding Signs: There shall be intermediate scaled signs located where necessary to direct people to the entry / exit driveway, parking areas, and individual buildings.
4. Regulatory Signs: Will be uniformly sized and mounted on identical painted metal posts. These signs shall conform to the Standards of the City's Technical Manual.

*Refer to: Exhibit 18 - Conceptual Site Plan
 Exhibit 24 - Design Guidelines: Site Improvements
 Exhibit 25 – Signage Diagram*

V. SITE IMPROVEMENTS

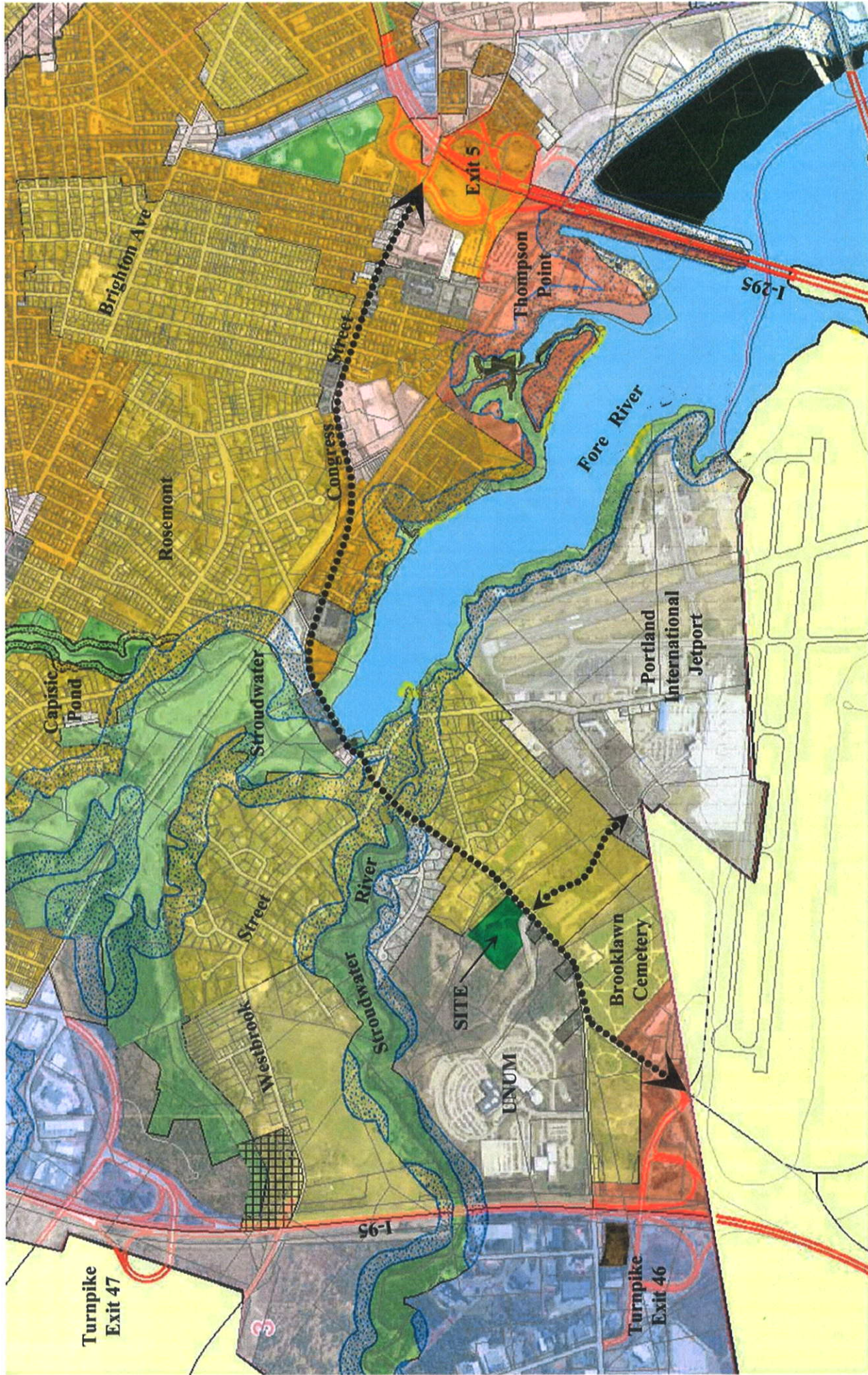
An integrated system of site improvements will be used throughout the development to achieve a cohesive appearance and grounds aesthetics. The site improvements should be high quality, and durable with a simple design that compliments the building's character. They will be selected to belong to the same design family with common materials and colors and shall include:

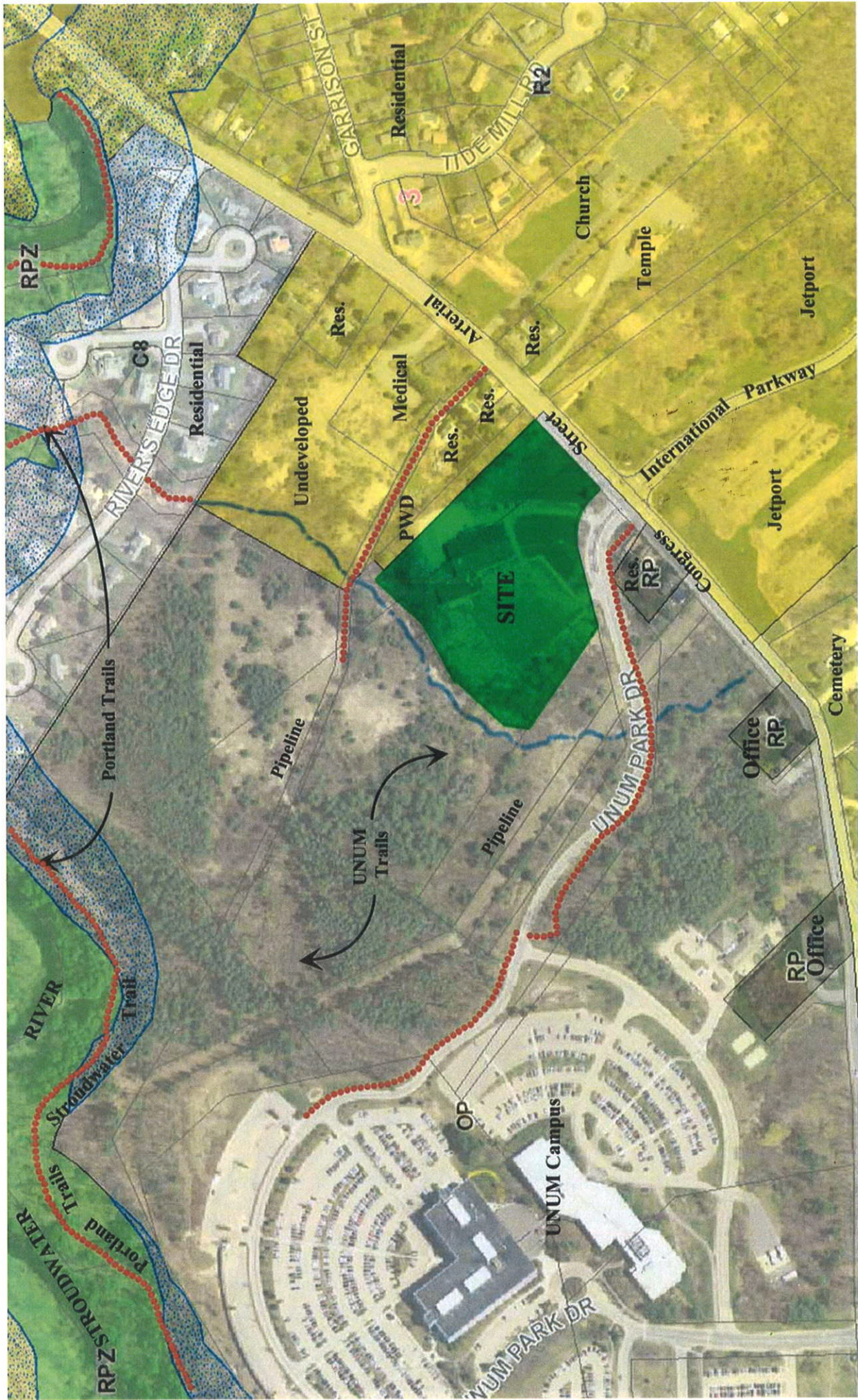
1. Benches: At building entrances, gathering spaces, and walkway nodes; preferably metal.
2. Bike Racks: At building entrances. They should be metal and painted to coordinate with the buildings and other site improvements.
3. Pavilions: Covered seating or picnic tables to serve as outdoor lunch/break places for employees and as resting places for trail users. They should be placed close to buildings adjacent to landscape areas, or at the connection to Portland Trails.
4. Trash Receptacles: If used, they should be adjacent to the seating areas and should have similar materials and detailing as the benches.
5. Placement of the Elk Sculpture: Located in the greenspace in front of the Elks structure.

*Refer to: Exhibit 18 - Conceptual Site Plan
 Exhibit 23 - Design Guidelines: Site Improvements
 Exhibit 24 - Design Guidelines: Site Improvements*

VI. LIST OF EXHIBITS

1. City Context Plan
2. Neighborhood Context Plan
3. Project Site Aerial
4. Site Analysis: Existing Conditions
5. Site Analysis: Regulatory Restrictions
6. Site Analysis
7. Site Analysis: Development Considerations
8. Site Organization Option A
9. Site Organization Option B
10. Site Organization Option C
11. Site Plan Option A
12. Site Plan Option B
13. Site Plan Option C
14. Site Plan Option D
15. Site Plan Option E
16. Site Analysis: Parking
17. Site Development Diagram
18. Conceptual Site Plan
19. Section at Buffer
20. Section at Congress Street
21. Lighting Concept
22. Design Guidelines: Lighting
23. Design Guidelines: Site Improvements
24. Design Guidelines: Site Improvements
25. Signage Diagram
26. Parking Table
27. Parking Plan







1945 Congress Street
Project Site Aerial
Northland Enterprises, LLC



1945 Congress Street
 Site Analysis: Existing Conditions
 Northland Enterprises, LLC

BUILDING SETBACKS

	Steep Slopes
Front	50'
Rear	50'
Side	25'
Side (About Res.)	40'

USDA
NPS
DRAFT REGULATORY RESTRICTIONS
DATE: 03-10-16

Building to be
Removed

Existing ELKS Lodge
To Remain.

Building Envelope:
Zoning Setback/ PWD
Easement

Parking
Setback 15'

50' Rear
Setback

PWD Easement

25' Natural
Resource Buffer

Wetland

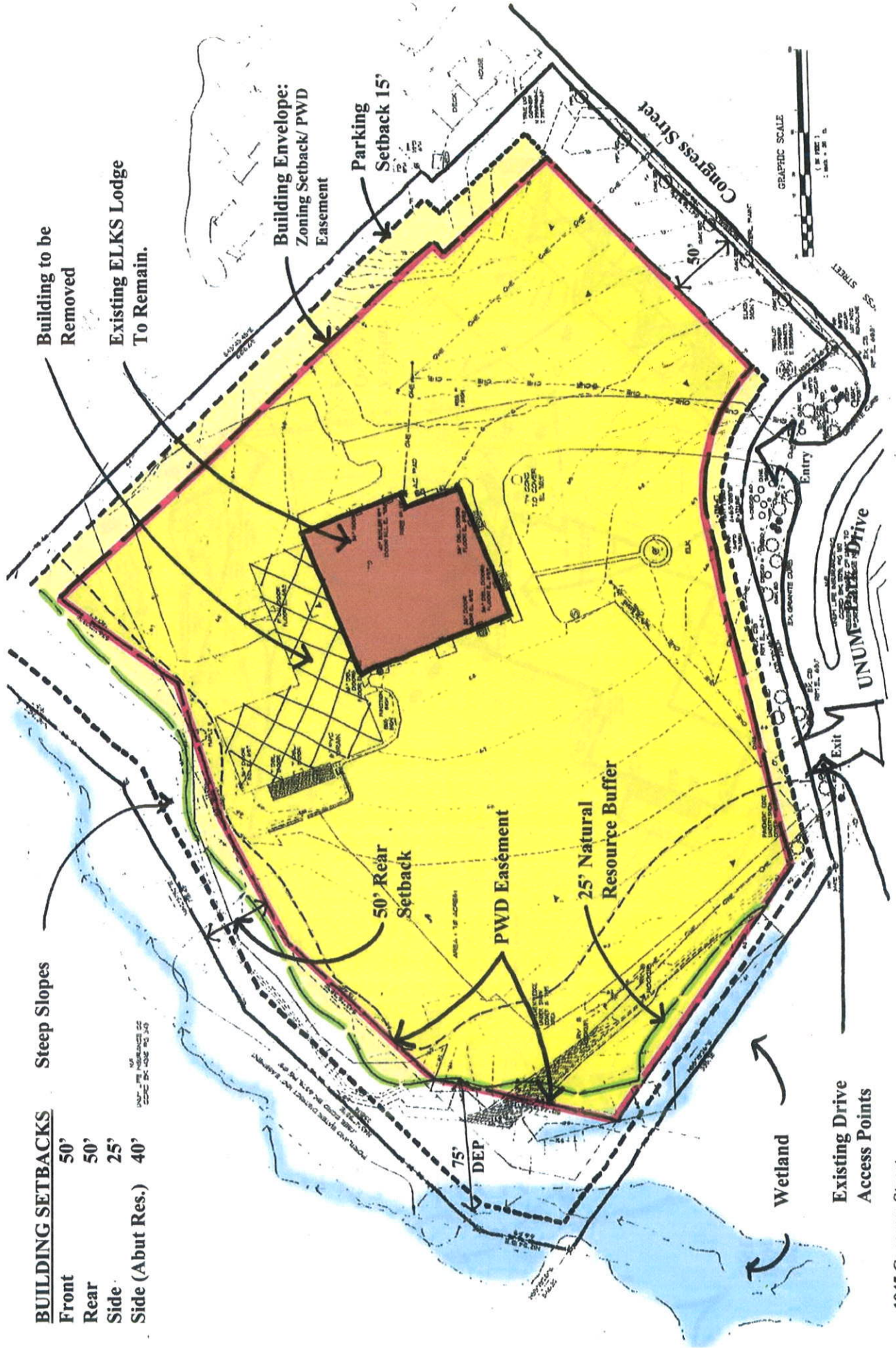
Existing Drive
Access Points

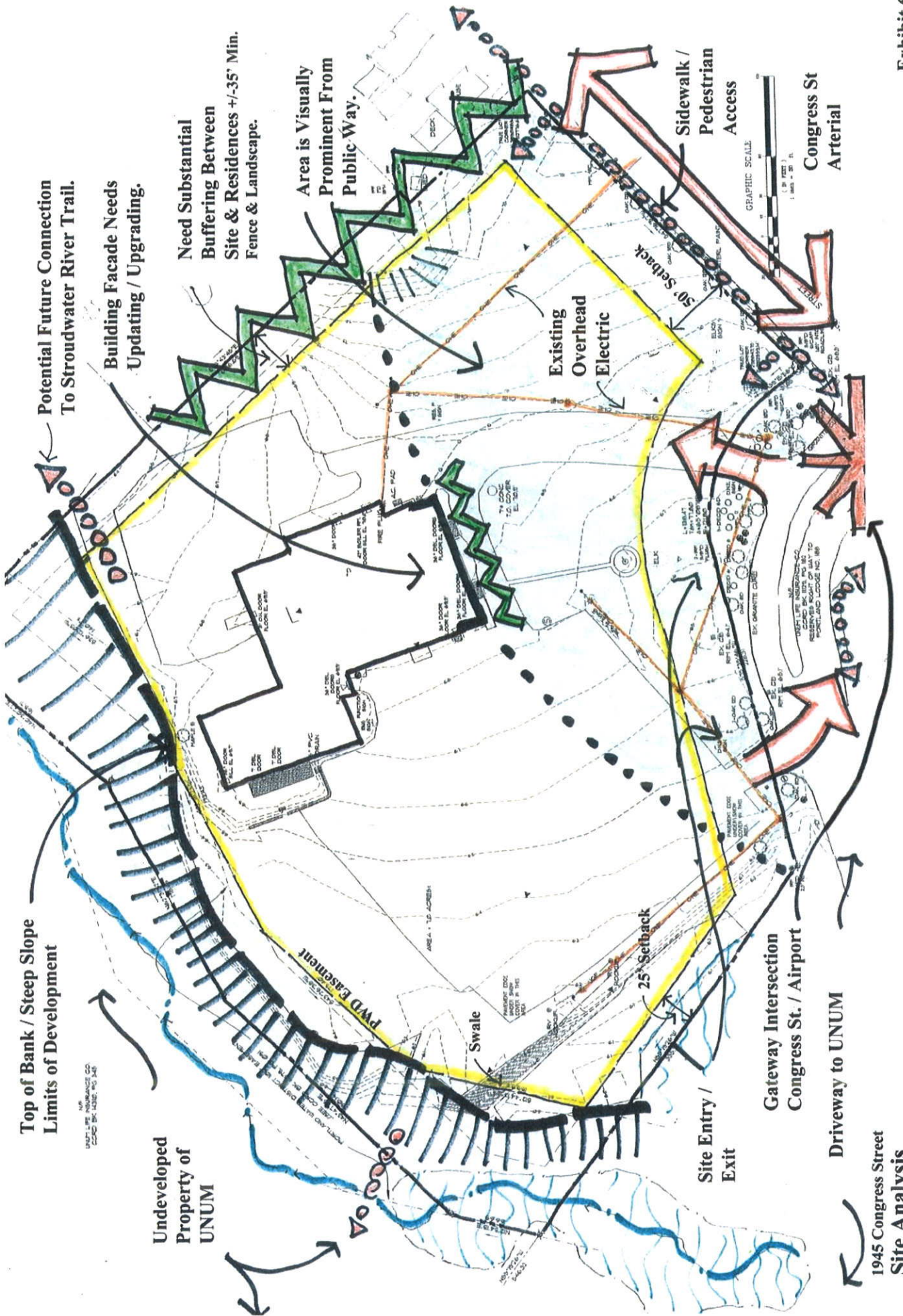
1945 Congress Street

Site Analysis: Regulatory Restrictions

Northland Enterprises, LLC

Exhibit 5
March, 2016





1945 Congress Street
 Site Analysis
 Northland Enterprises, LLC

Exhibit 6
 March, 2016

1. EXISTING BUILDING

Public facade needs updating & upgrading, needs to be visually compatible with new development.
Future building: 1.5 to 3 stories, maintain compatibility with rest of campus.

2. POTENTIAL BUILDING

Has strong connection to Congress St. Visual & pedestrian access should be compatible with Congress St. Development facade should be high quality with usual interest. 1.5 to 2.5 stories.

3. POTENTIAL BUILDING

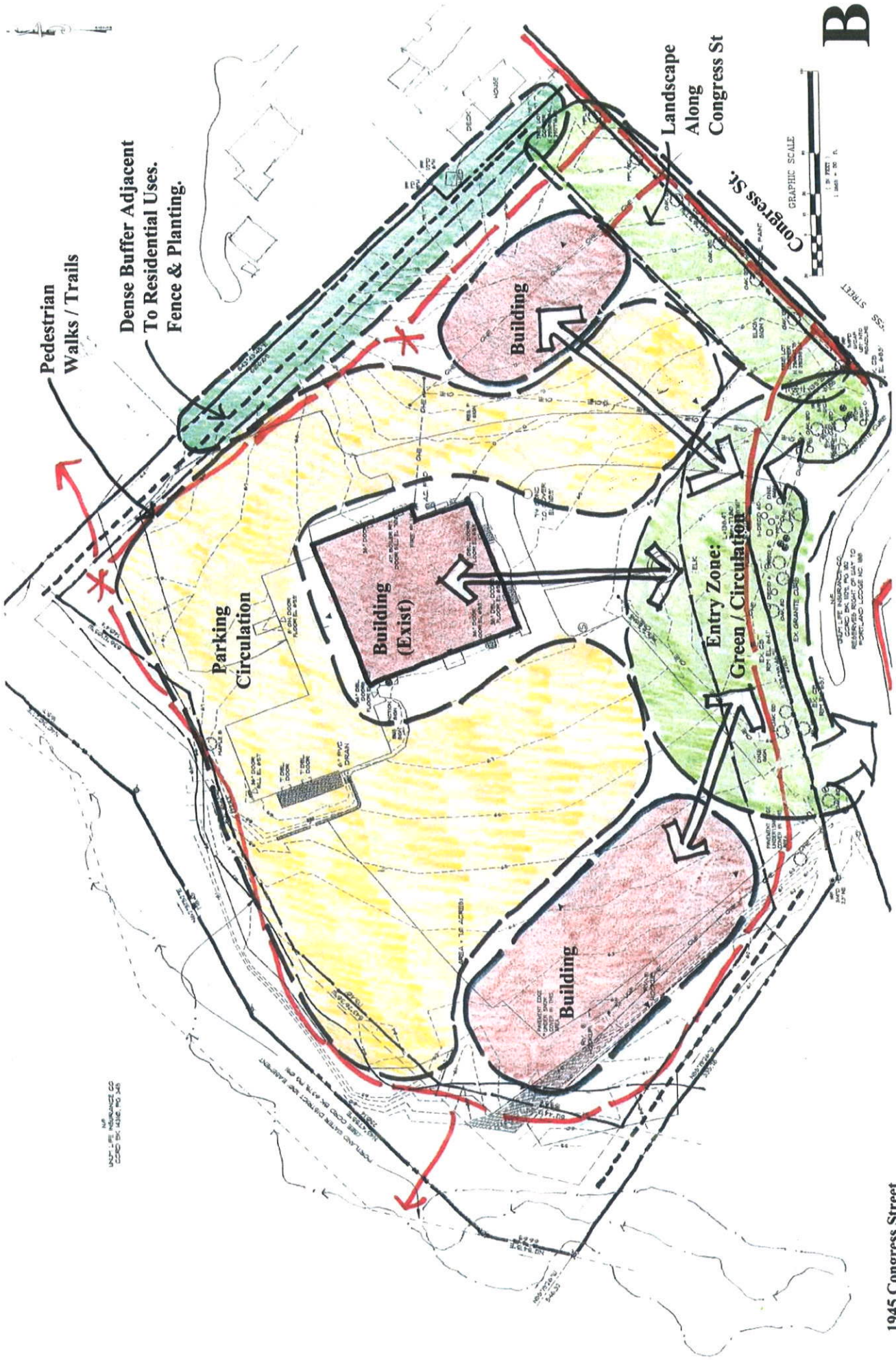
Can be larger scaled building - Public facade should be compatible / integrated with rest of campus. 1 to 3 stories.





1945 Congress Street
Site Organization Option A
 Northland Enterprises, LLC

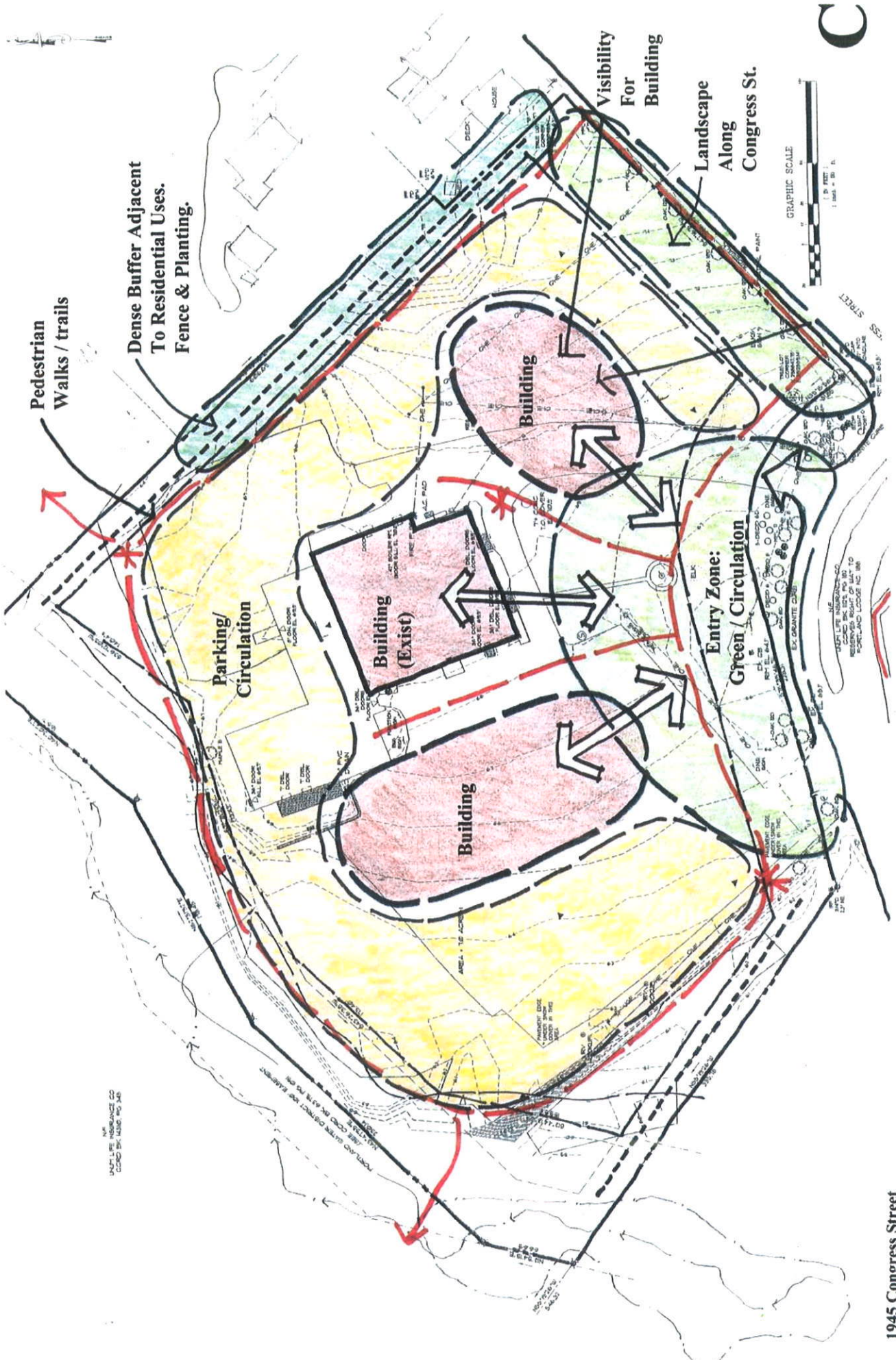
Exhibit 8
 March, 2016



B

Exhibit 9
March, 2016

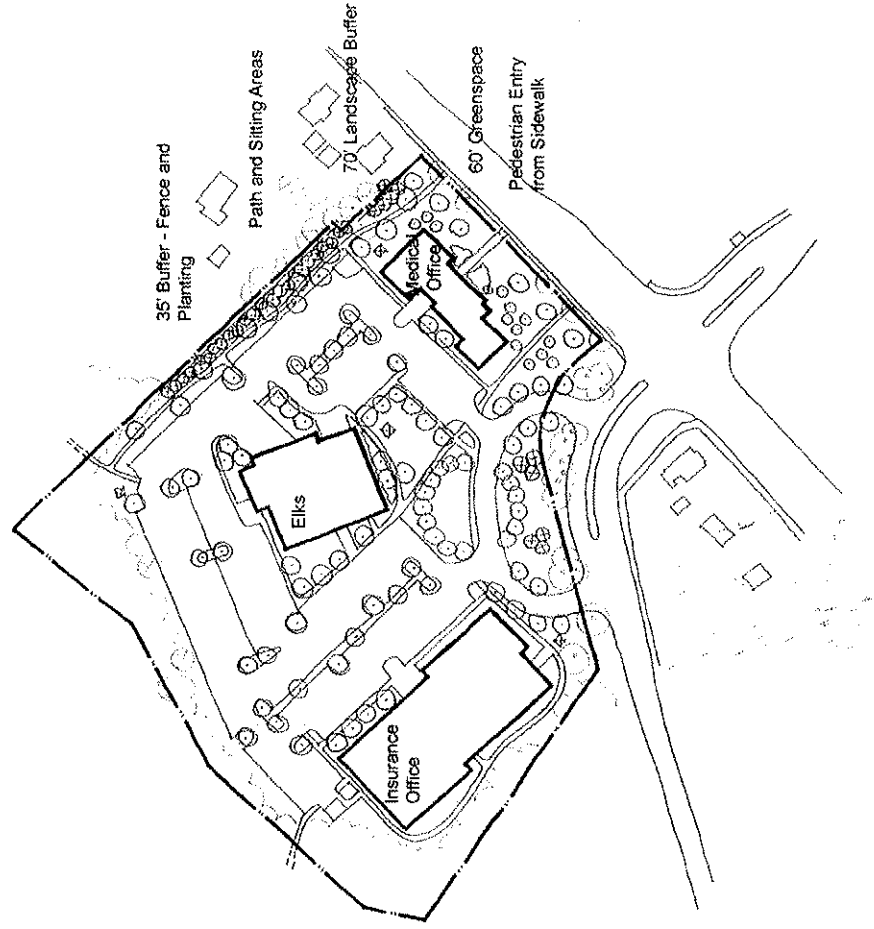
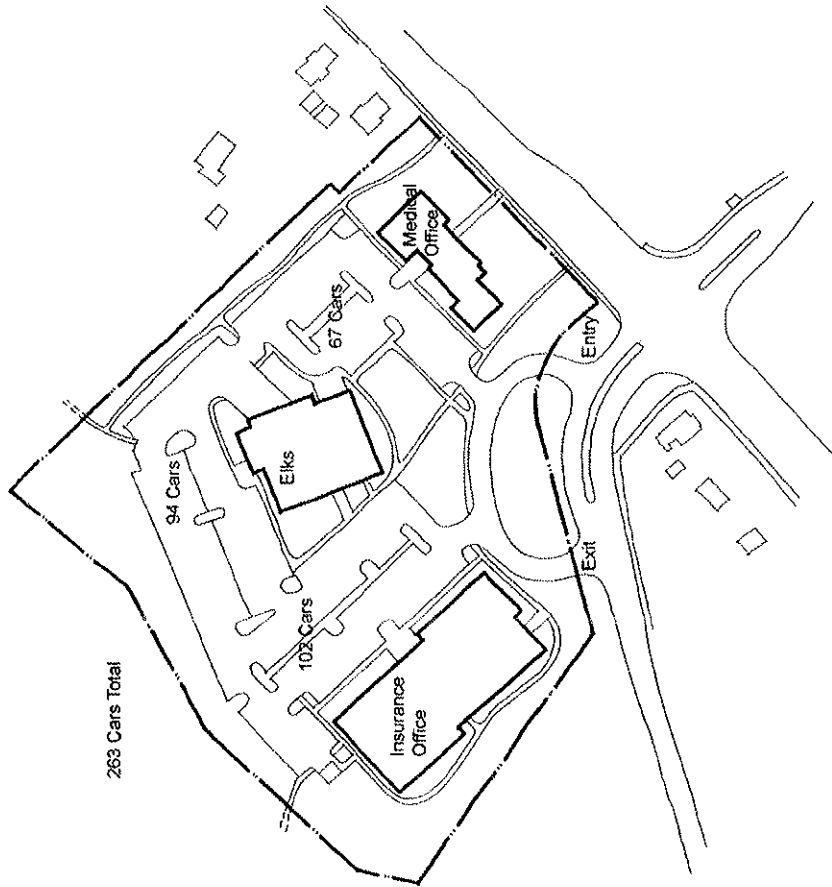
1945 Congress Street
Site Organization Option B
 Northland Enterprises, LLC

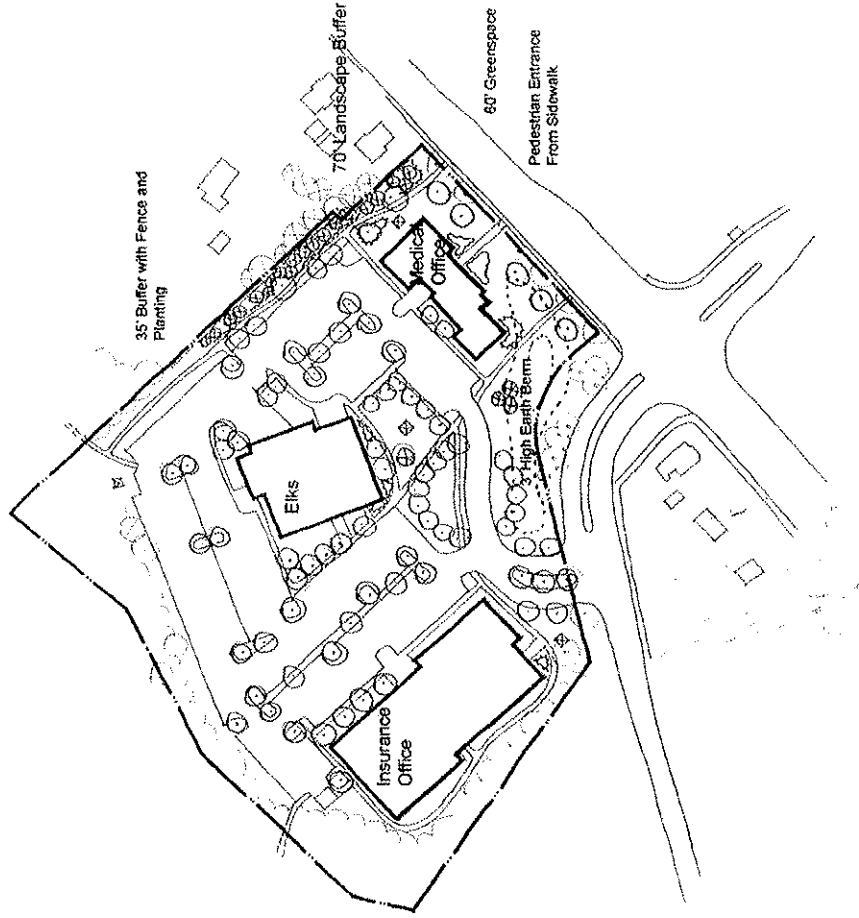
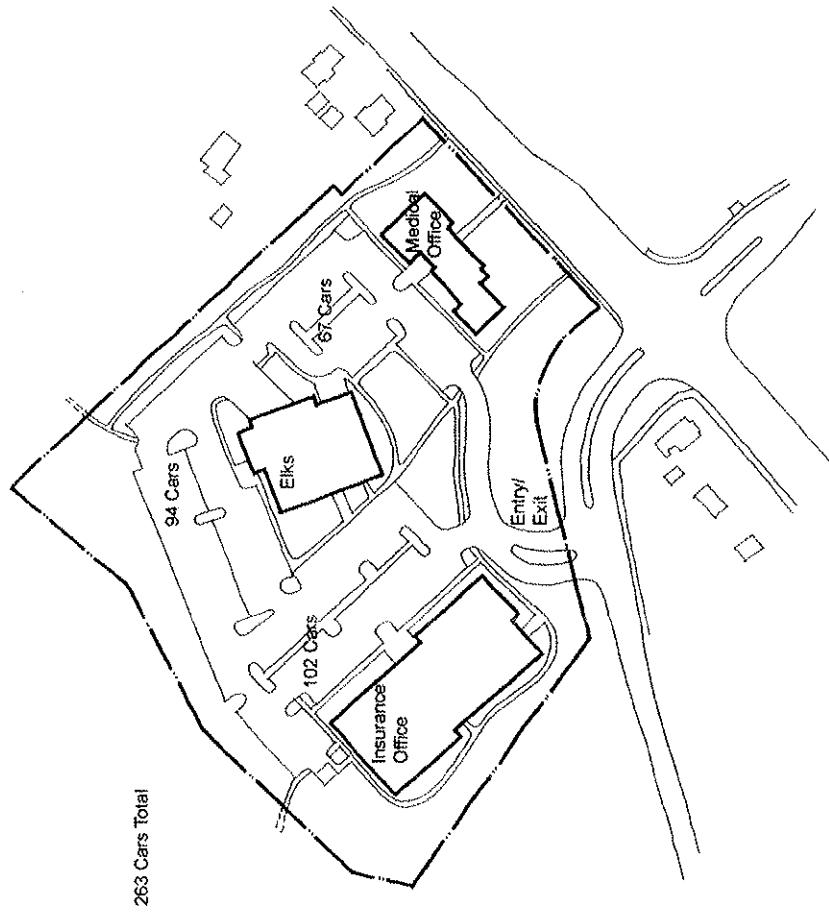


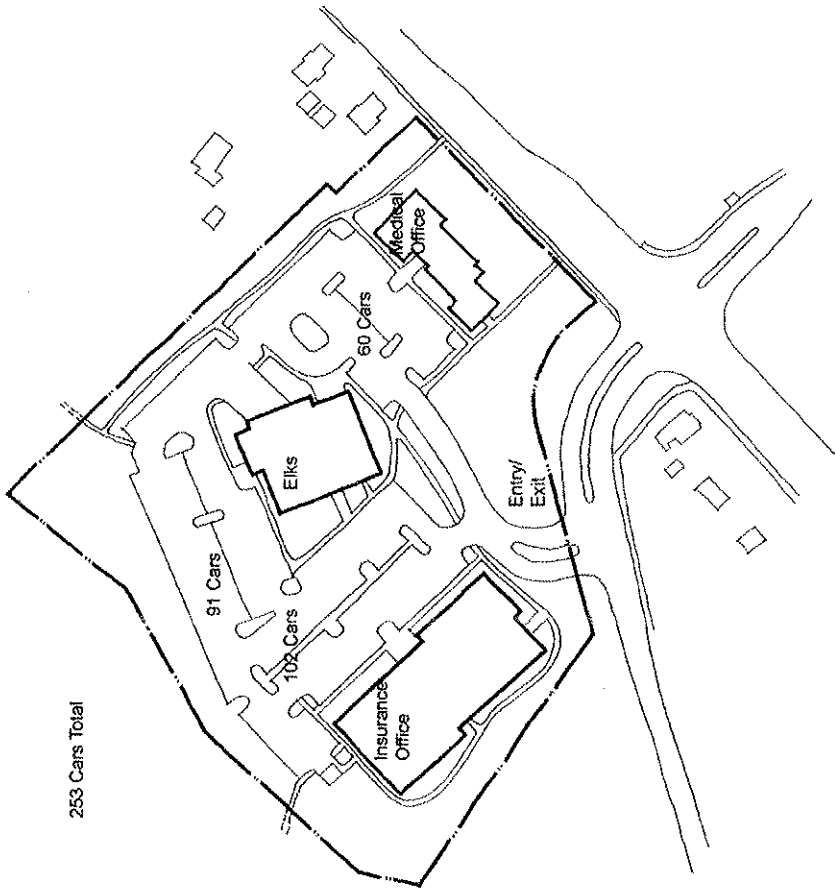
1945 Congress Street
Site Organization Option C
 Northland Enterprises, LLC

Exhibit 10
 March, 2016

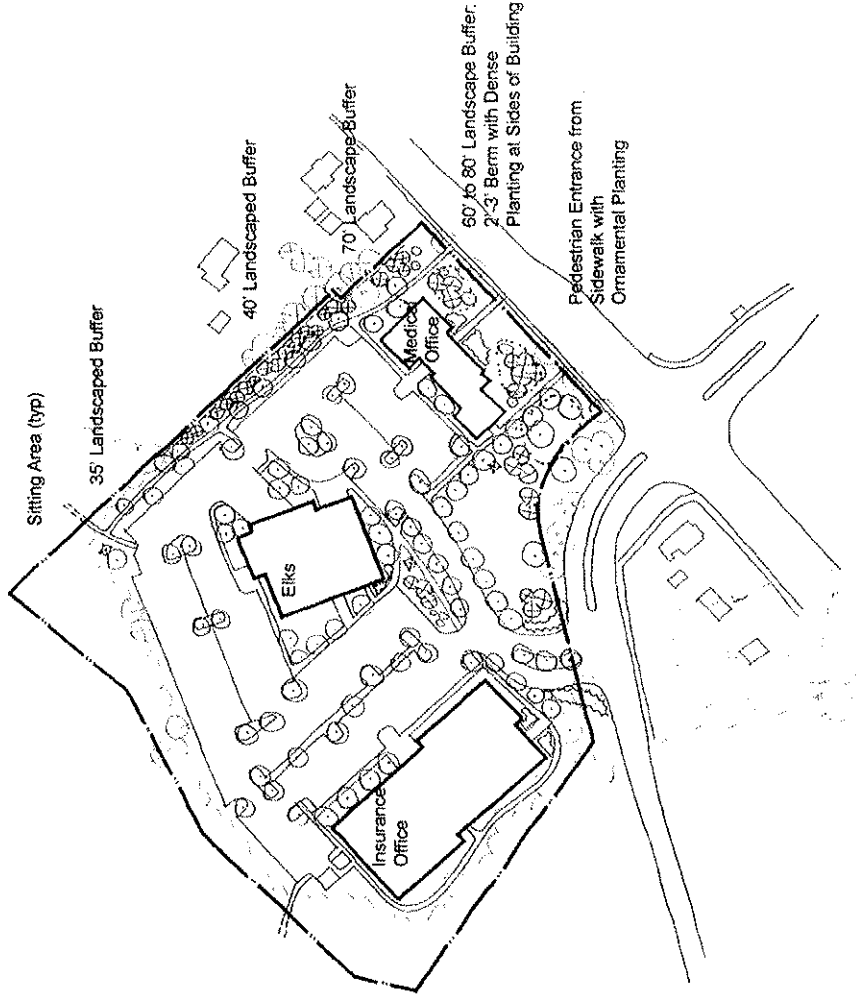


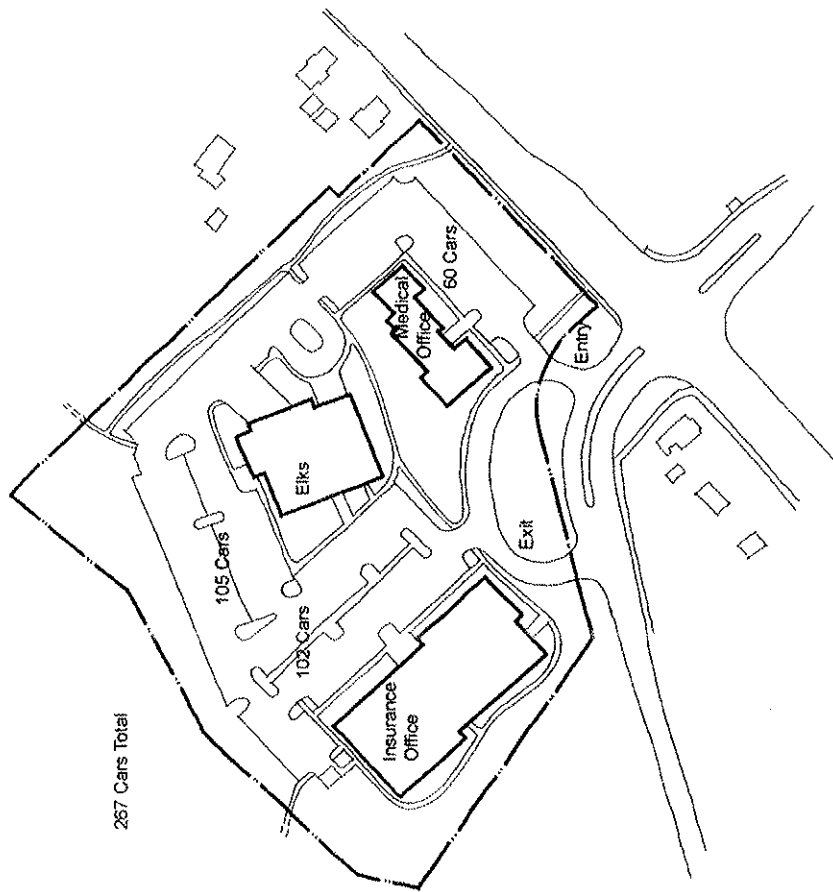
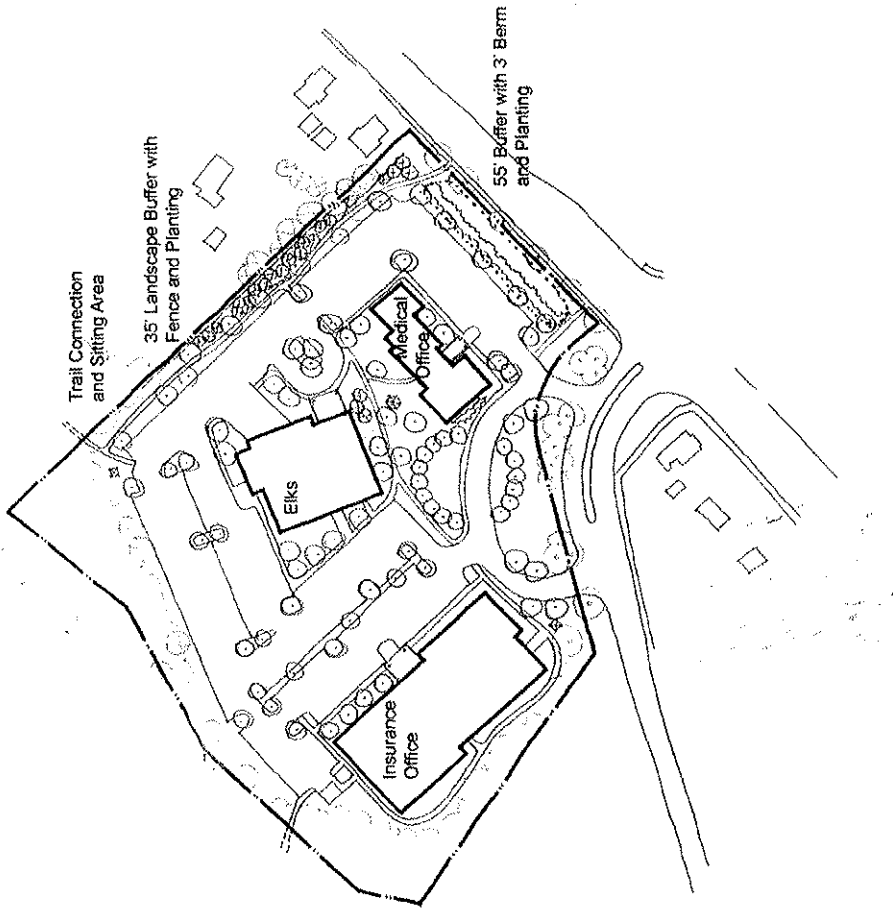


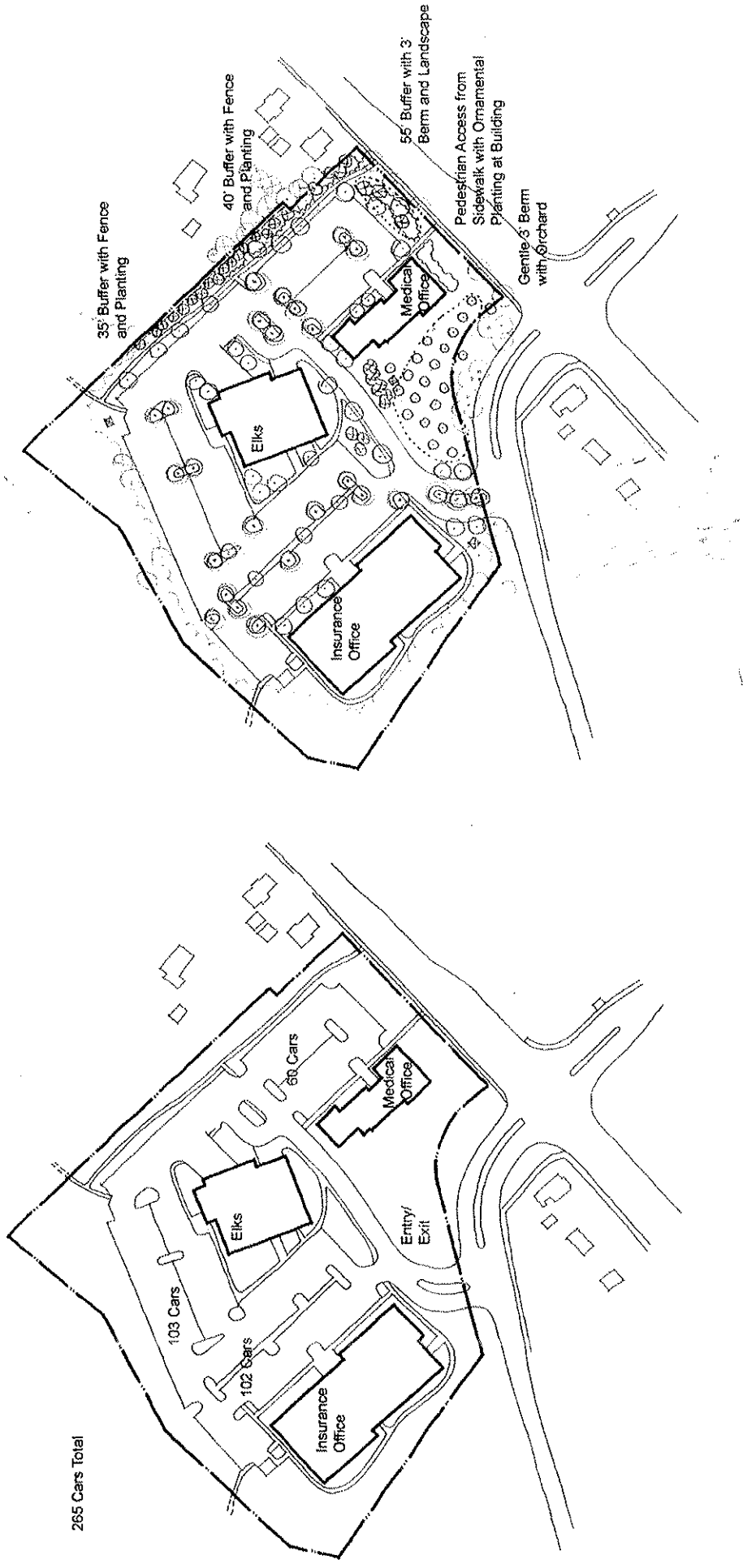




253 Cars Total







265 Cars Total

103 Cars

102 Cars

Insurance Office

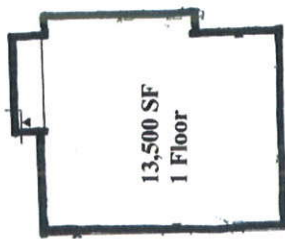
Elks

60 Cars

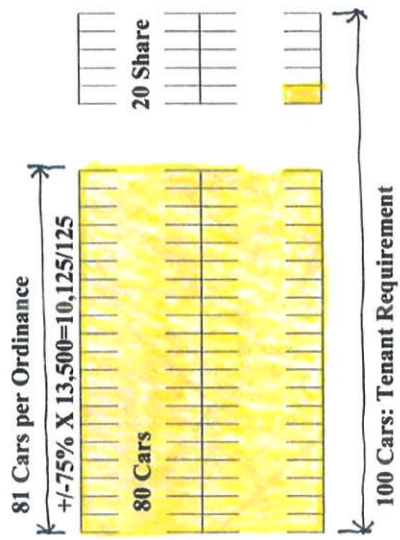
Medical Office

Entry/Exit

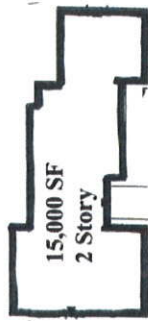
ELKS LODGE



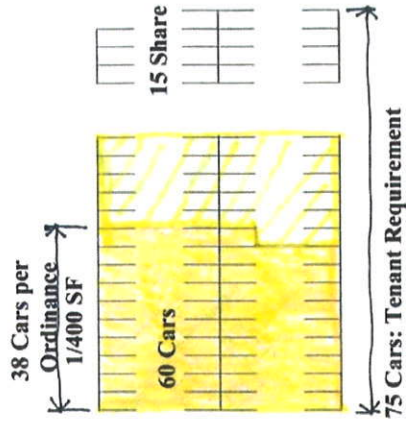
Existing Building



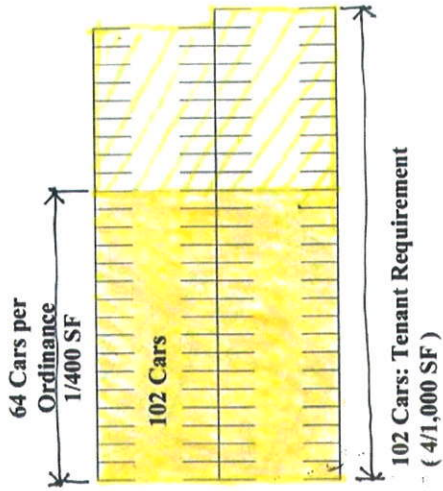
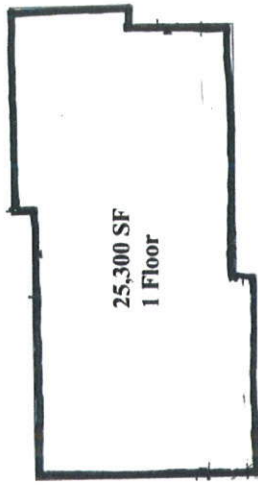
MEDICAL OFFICE

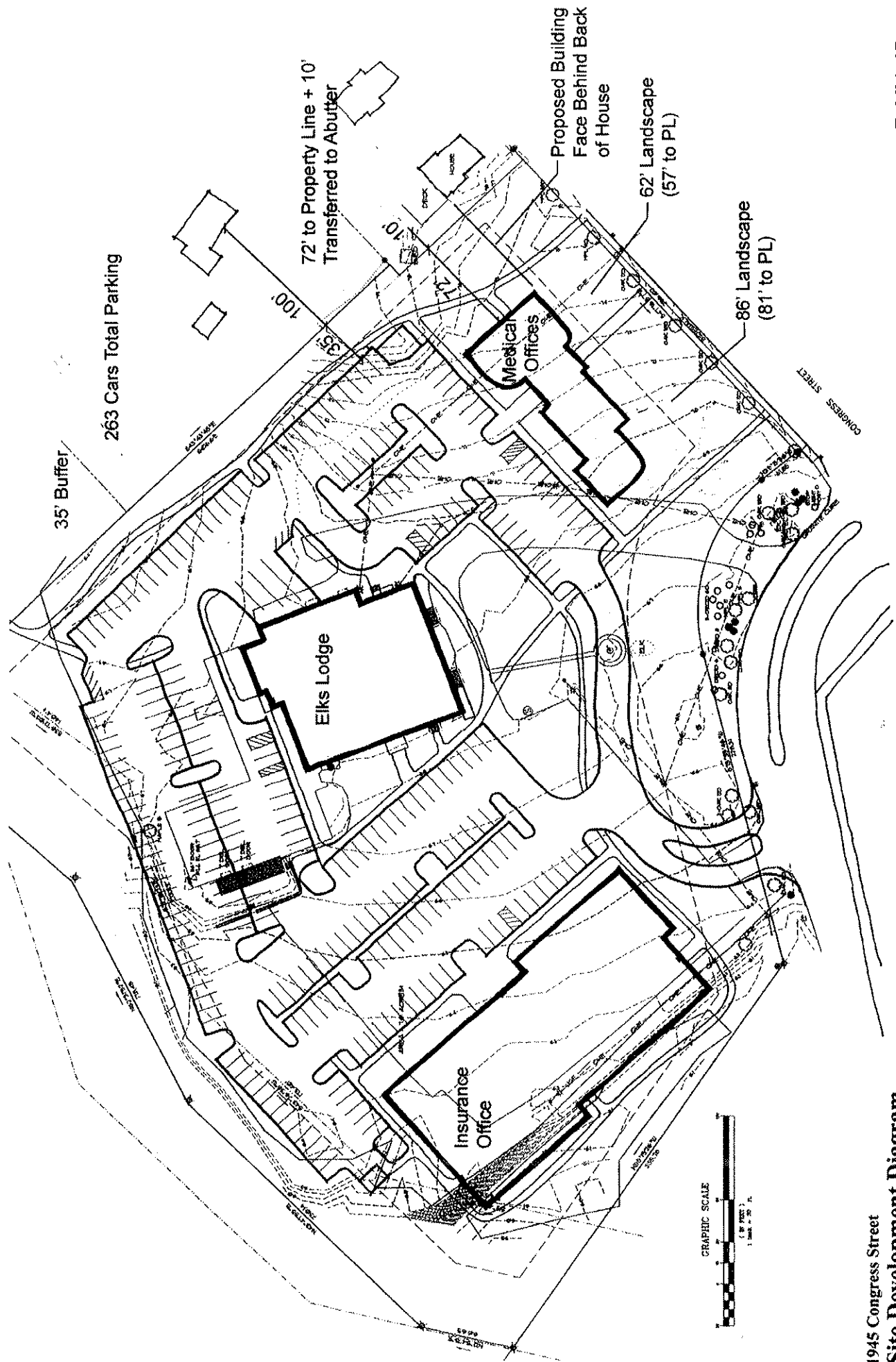


Requires Visibility From Congress St.

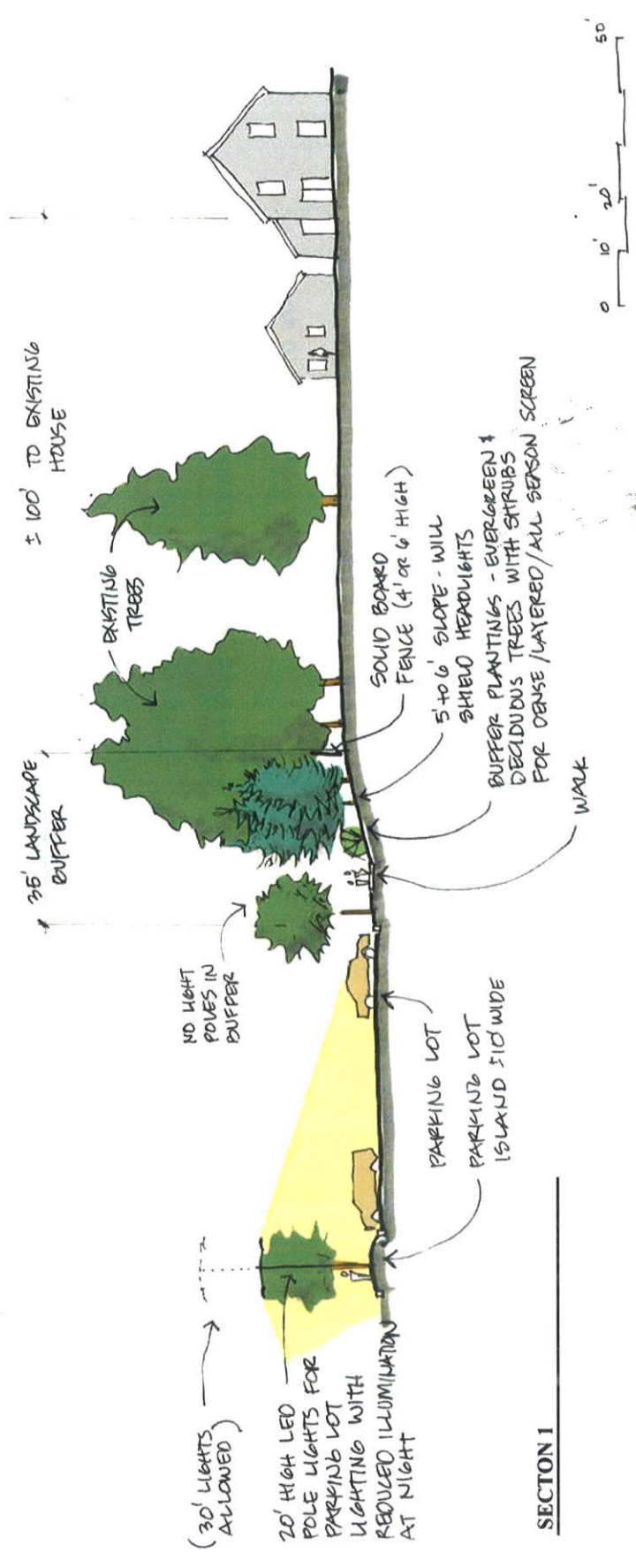


INSURANCE OFFICE

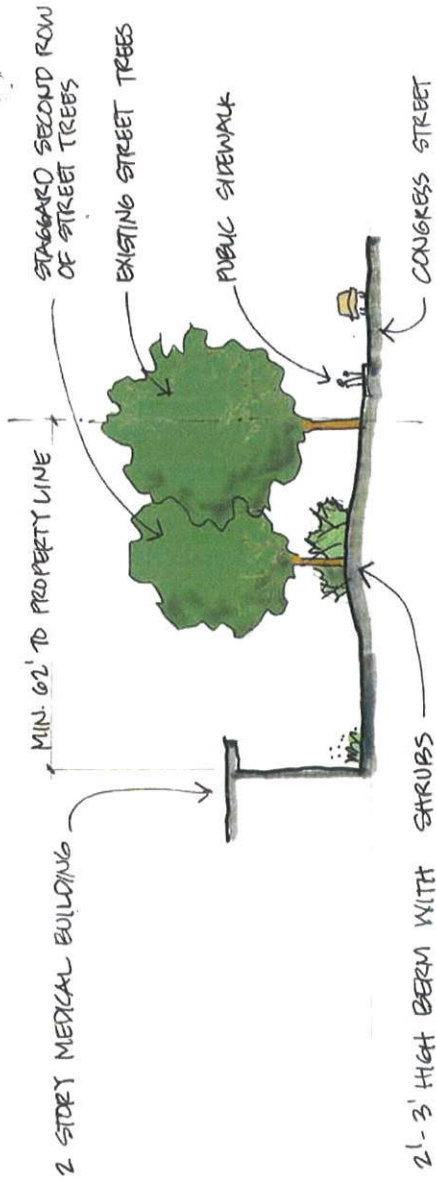




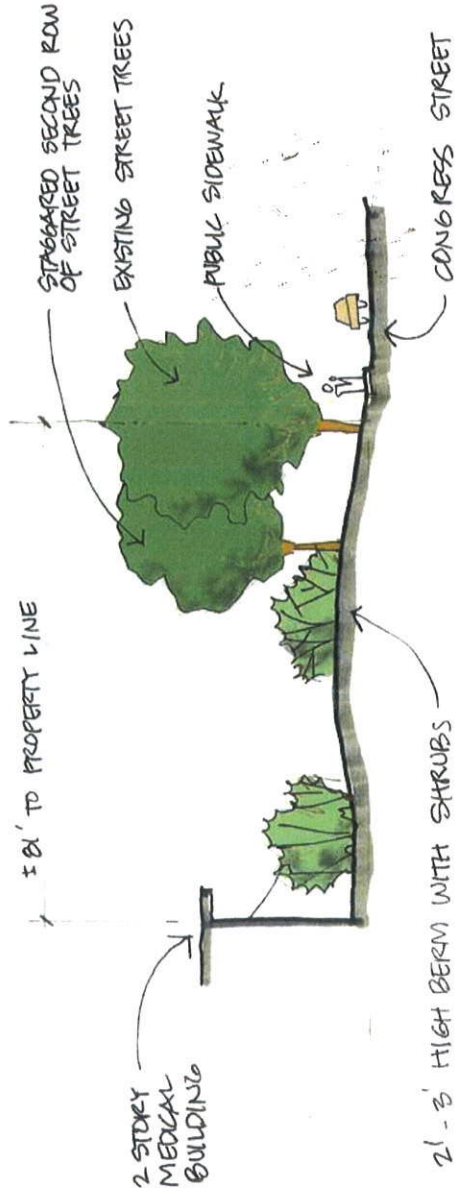




SECTION I



SECTION 2



SECTION 3

LIGHTING SCHEDULE

- Type A ● BUILDING MOUNTED DOWNLIGHT
HEIGHT 9 FEET
- Type B ◆ PATHWAY FOLE LIGHT - CREE EDGE
2X LED, 350mA, 2M OPTIC
MOUNTING HEIGHT 8 FEET
- Type C-1 ■ SINGLE PARKING AREA LIGHT - CREE EDGE
12X LED, 525mA, 2M OPTIC
MOUNT HEIGHT 20 FEET
- Type C-2 ■■ DOUBLE PARKING AREA LIGHT - CREE EDGE
12X LED, 525mA, 2M OPTIC
MOUNTING HEIGHT 20 FEET

NOTES:
 1. CENTRAL CONTROLLER WITH TIMER AND AUTO-DIM / MOTION CONTROLS
 AVERAGE ILLUMINATION WILL BE 1.1 TO 1.2 FOOT CANDLES. CITY REQUIRES 1.5. WAIVER WILL BE REQUIRED

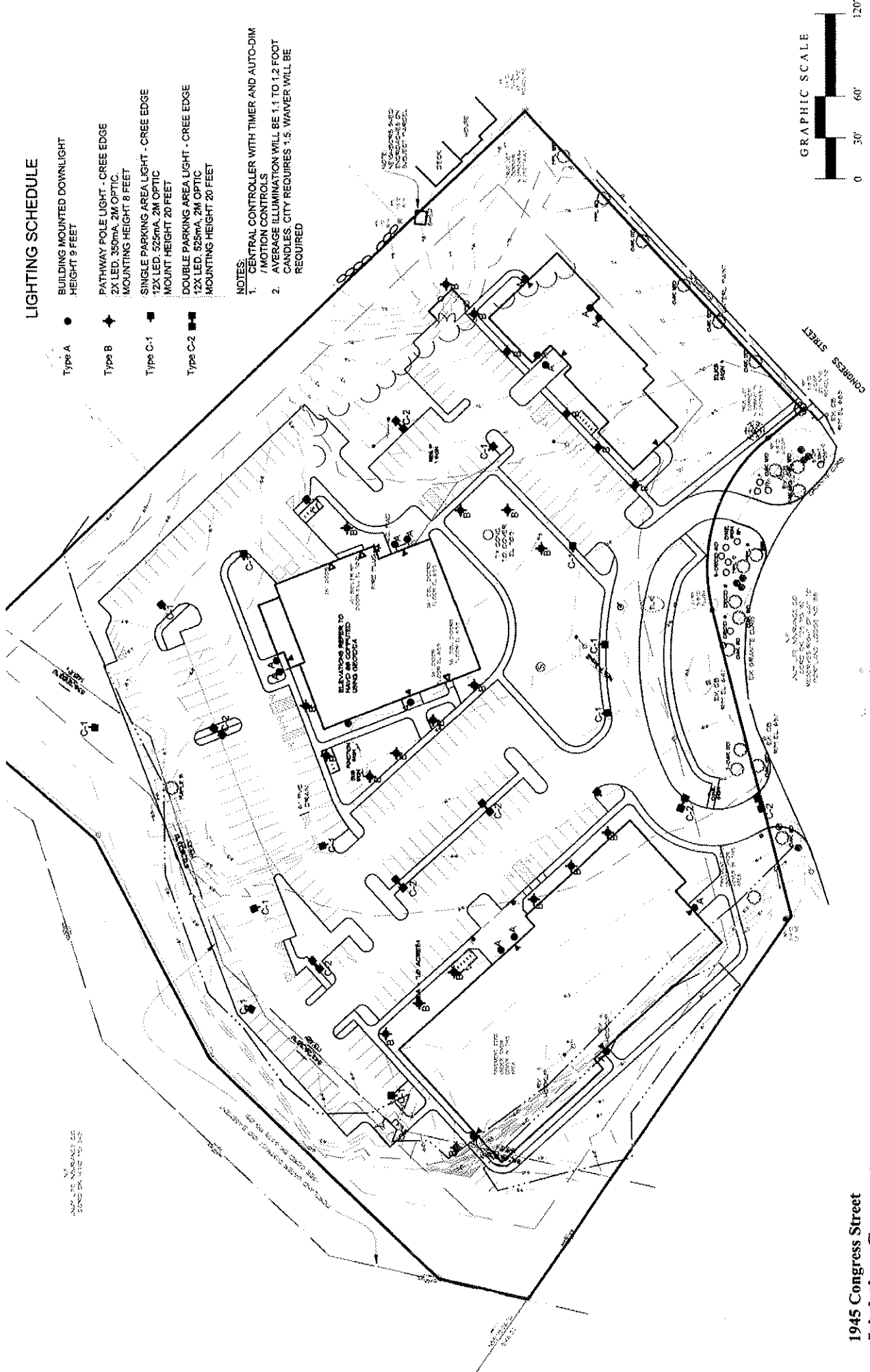
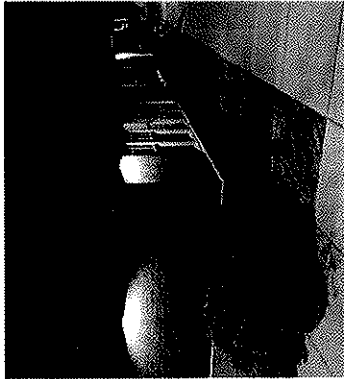
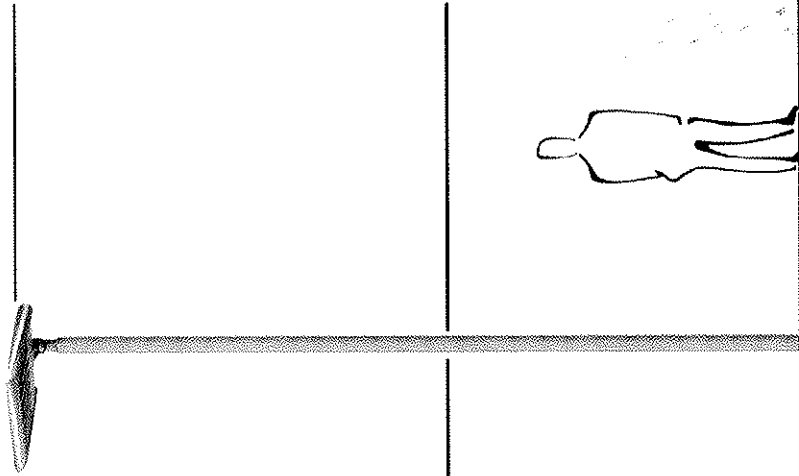


Exhibit 21
 March, 2016

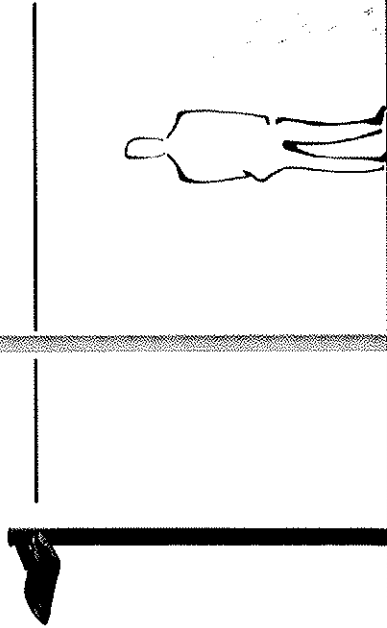
Building Mounted Down Light
15-20 Watt Shielded LED Luminaire



PARKING AREA LIGHTING:
20' Height Pole Mounted Light
130 Watt Shielded LED Luminaire

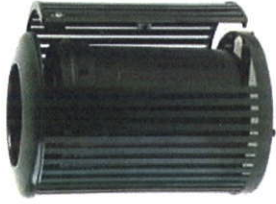


WALKWAY LIGHTING:
8' Height Pole Mounted Light
25 Watt Shielded LED luminaire

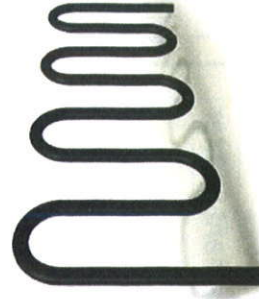




Building Entry Canopy:
Develop a common entry theme to be used for all three buildings



Site Improvements:
Simple, contemporary forms with coordinating designs





Pavilion or Covered Picnic Table:
 Colors and materials to be coordinated with other site improvements

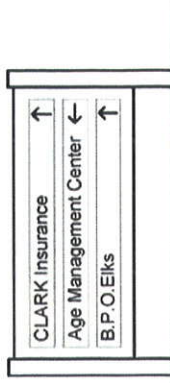


**1945 Congress Street
 Design Guidelines: Site Improvements**
 Northland Enterprises, LLC

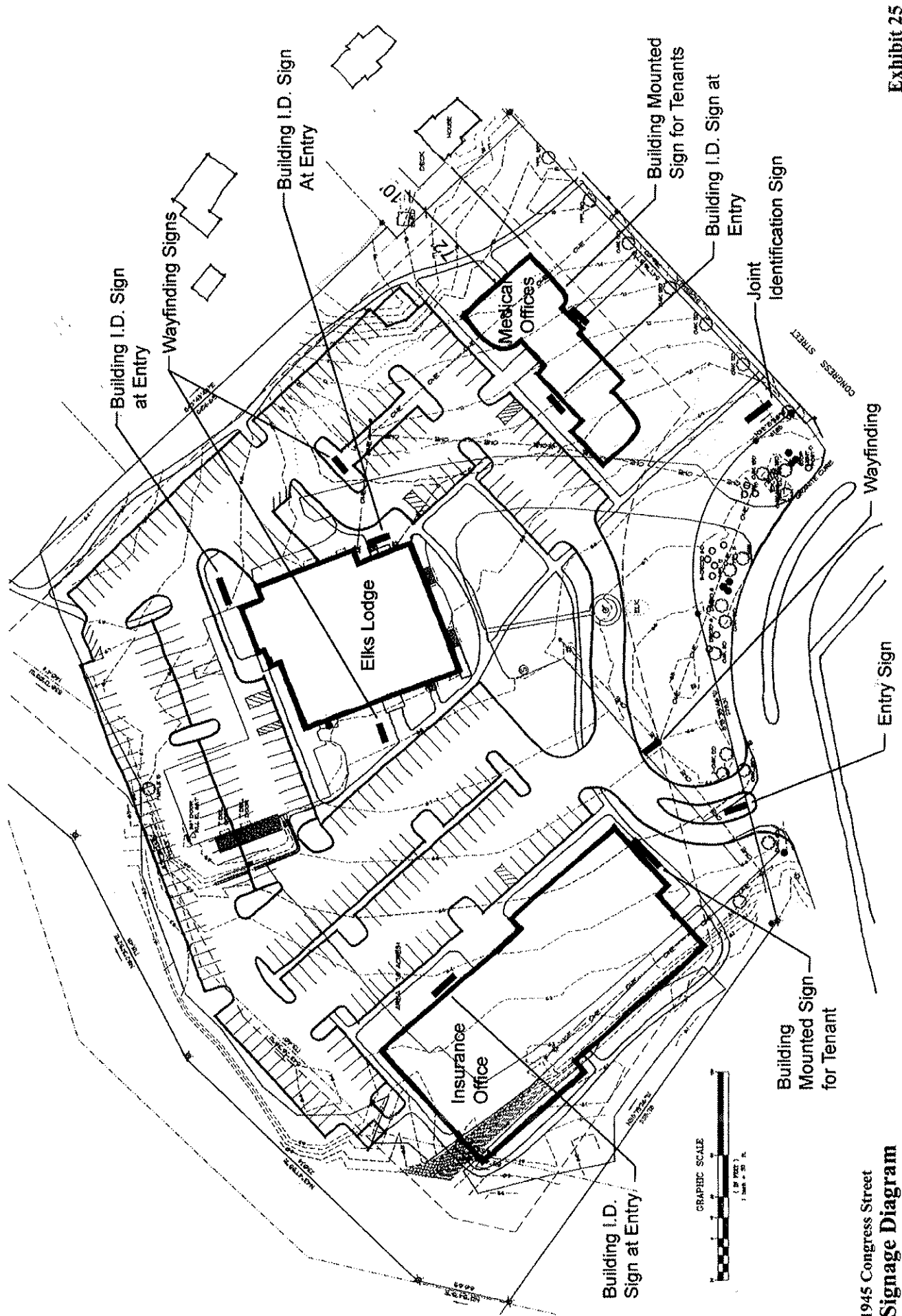


Property Identification Sign:
 Steel posts and painted sign panel
 Approximately 5' high x 8' wide
 Colors to coordinate with buildings

Interior Wayfinding Signs:

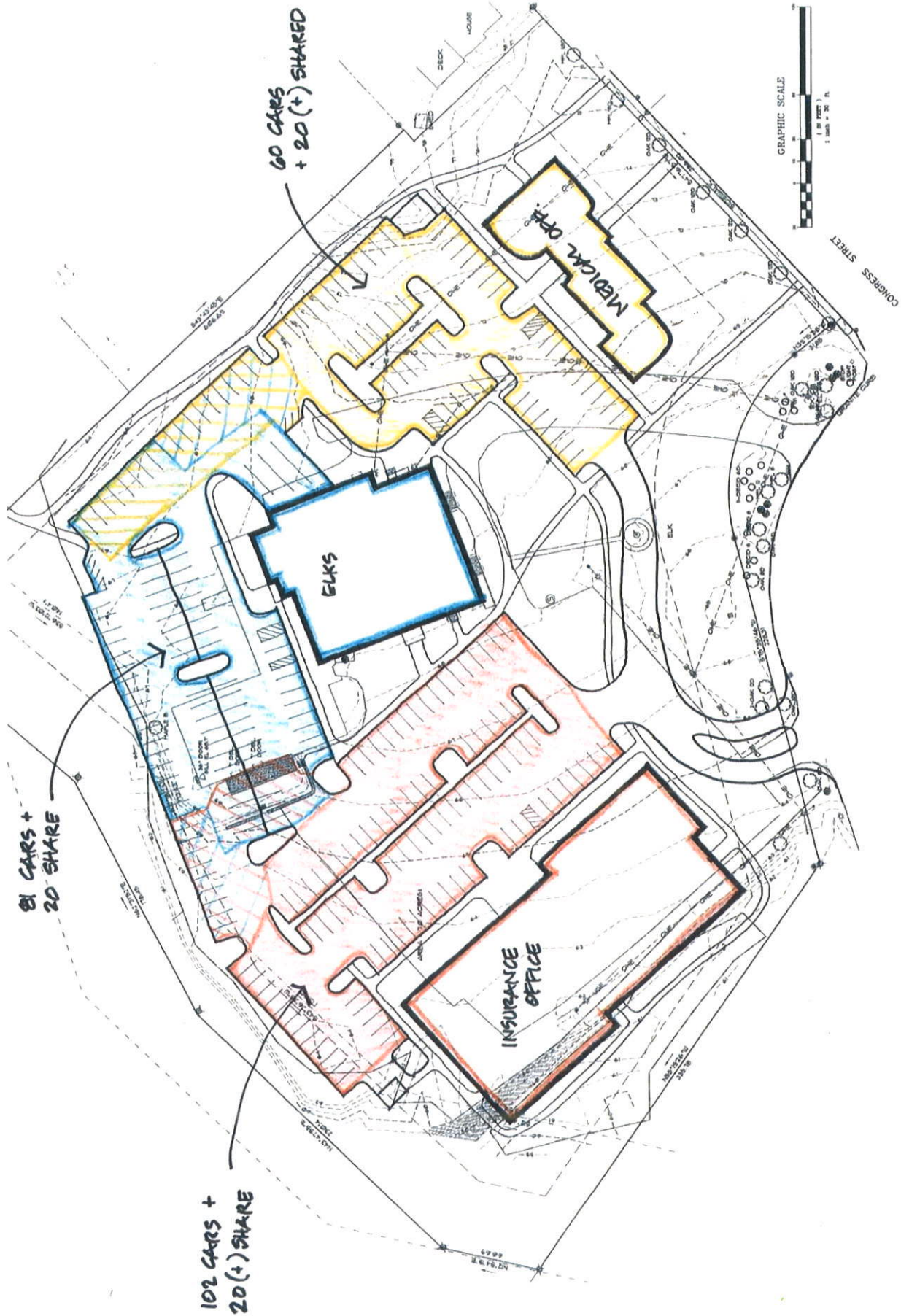


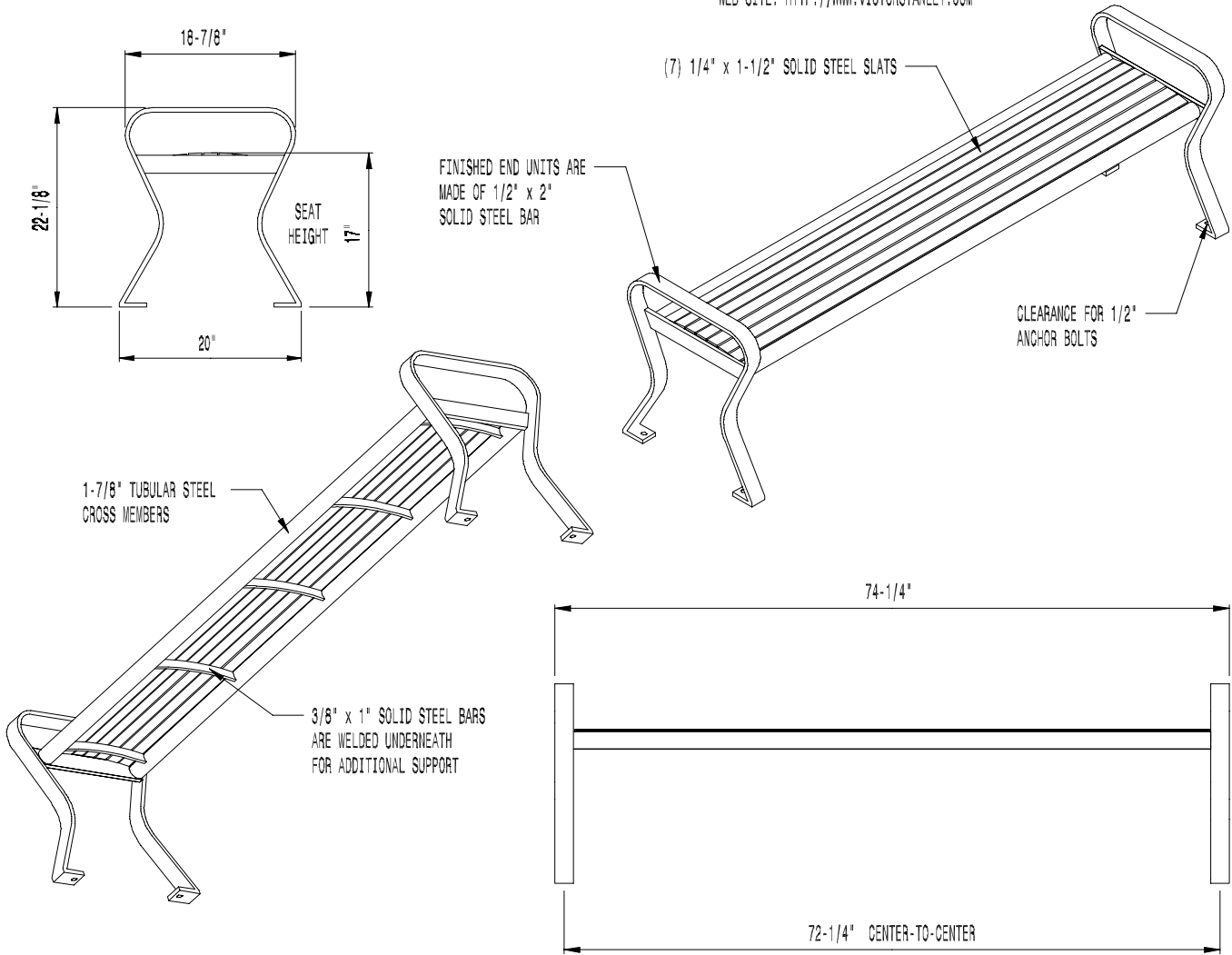
Steel posts and painted sign panel
 Approximately 2' high x 3' wide
 Colors to coordinate with buildings



Parking Table: 1945 Congress Street

	City Parking Requirement	Existing	Tenant Requirement	Proposed Parking
Building 1: Elks Club 13,500 sf to remain 300 guest function room	Private club and fraternal hall: 1/125 sf excluding bathrooms, storage, etc.= 13,500 x 75% = 10,125 sf = 81 spaces Future 32,000 sf office building at 1/400 = 80 spaces	Exist bldg: 23,090 sf, includes 30' x 50' pool 201 paved parking + ± 53 gravel overflow= 254 spaces 1/90 sf	100 spaces requested 4 bus spaces (64 spaces agreed 2/10/14)	81 spaces 4 bus spaces + use of 20 shared spaces
Building 2: Medical Office 15,000 sf 4 Practices: 38 employees 34 exam rooms + wait room (14)	Office: 1/400 sf = 38 spaces	4,344 sf Building (5 employees) 17 parking spaces+ on street parking 1/255 sf + on-street pkg	75 spaces (5/1000 sf, or 1/250sf) (60 spaces agreed 2/10/14)	1 space / 250 sf 60 spaces + use of 20 shared spaces
Building 3: Insurance Office 25,300 sf 82 employees + 12 future + customer parking (6-10) Board meetings: Frequency = 4x per year 18 to 30 attendees Client education: 6 to 20 attendees 6 to 12 x per week	Office: 1/400 sf = 64 spaces	16,637 sf 107 spaces = 1/156 sf	102 spaces (4/1,000 sf per contract)	1 space / 250 sf 102 spaces + use of 20 shared spaces
Total	183	N/A	277 cars + 4 bus (226 spaces agreed)	243 + 20 share = 263 cars (includes 10 accessible) 4 bus spaces 13 motorcycle spaces





AVAILABLE OPTIONS:

POWDER COATING

10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

INTERMEDIATE & CENTER ARMRESTS

4', 6', & 8' AVAILABLE WITH OPTIONAL ARMREST

CENTER SUPPORT LEG (STANDARD FOR 8' LENGTHS)

LENGTHS

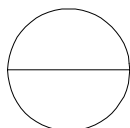
STANDARD 4'

STANDARD 6' LENGTH SHOWN

STANDARD 8'

NOTES:

1. DRAWING NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH COAT AVERAGES 8-10 MILS (200-250 MICRONS).
3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
5. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



RBF-12

STEELITES™ RB SERIES

STANDARD ALL STEEL BACKLESS BENCH
SHOWN: STANDARD 6-FOOT LENGTH

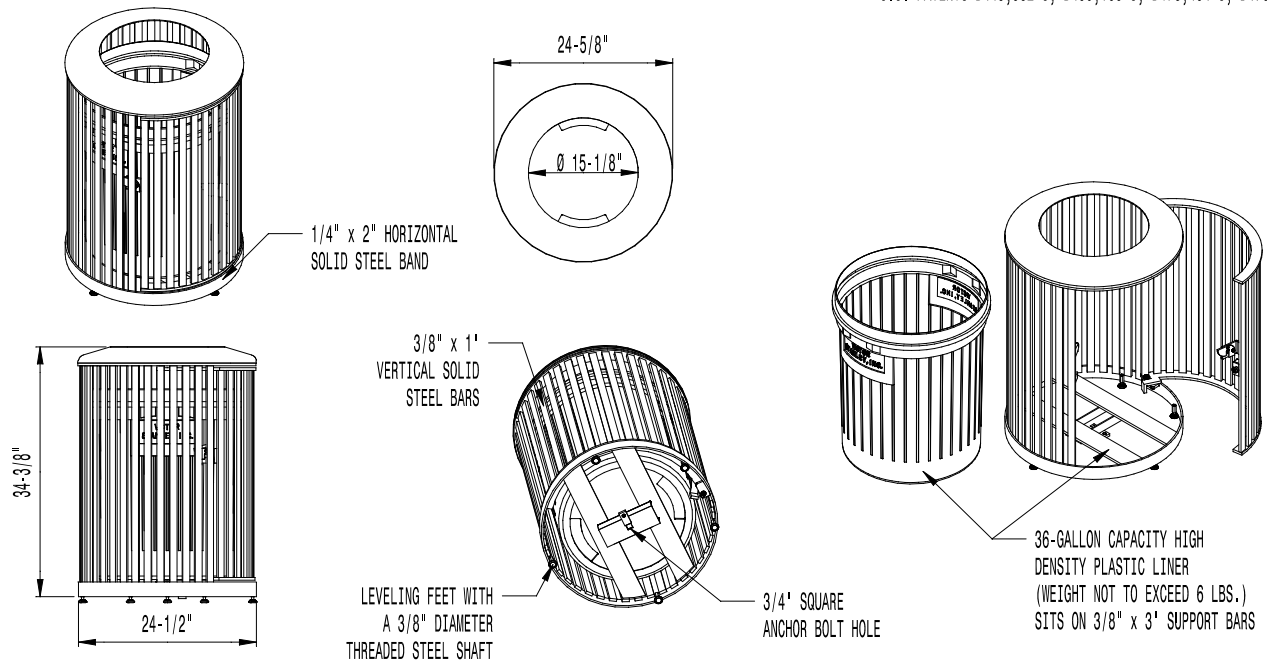
Standard Color: BLACK
(14) Required



P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
 TOLL FREE: (800) 368-2573 (USA & CANADA)
 TEL (301) 853-8300 - FAX (410) 257-7579
 WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

THIS PRODUCT IS COVERED BY ONE OR MORE OF THE FOLLOWING
 U.S. PATENTS D445,982 S; D450,166 S; D476,454 S; D476,455 S

* ALL DIMENSIONS ARE IN INCHES *



AVAILABLE OPTIONS:

POWDER COATING

10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,
 CUSTOM COLORS (INCLUDING THE RAL RANGE)

CUSTOM PLAQUES & DECALS

AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE
 VINYL OUTDOOR DECALS.

LIDS

STANDARD CONVEX BOLTED LID (AS SHOWN). AVAILABLE WITH OPTIONAL
 FORMED DOME LID, FORMED DOME LID WITH STAINLESS STEEL ASHTRAY,
 RAIN BONNET LID, RAIN BONNET LID WITH STAINLESS STEEL ASHTRAY,
 AND RECYCLE LIDS. ASHTRAYS AVAILABLE WITH OPTIONAL
 ASHTRAY COVER.

SECURITY

STANDARD WITH INTERIOR LATCH (AS SHOWN). AVAILABLE WITH OPTIONAL KEYED LOCK BOX.
 LID BOLTED IN PLACE. AVAILABLE WITH OPTIONAL MOUNT WITH 3 IN-LINE ANCHOR
 HOLES AND OPTIONAL BOTTOM PLATE COVER.

NOTES:

1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYED LOCK ASSEMBLY.
4. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
5. VICTOR STANLEY, INC., PLASTIC INNER LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
6. ANCHOR BOLT NOT PROVIDED BY VICTOR STANLEY, INC.
7. FOR HIGH SALT ABUSIVE CLIMATES, HOT-DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH; THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
8. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
9. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



36-GALLON SIDE-DOOR-OPENING LITTER RECEPTACLE
SHOWN: STANDARD CONVEX BOLTED LID
STANDARD INTERIOR LATCH

Standard Color: BLACK

Cree Edge™ Series

LED Area/Flood Luminaire

PARKING LIGHTS

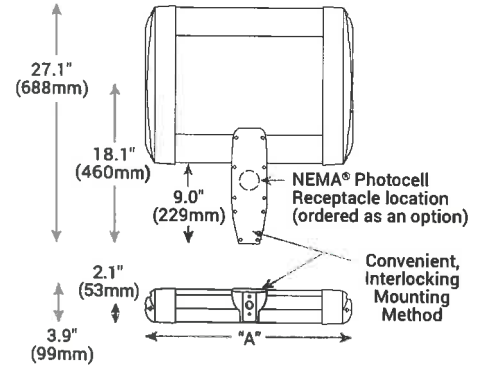
1 OF 3

Product Description

The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

DA Mount



Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See www.cree.com/lighting/products/warranty for warranty terms

Accessories

Field-Installed	
Bird Spikes XA-BRDSPK	Backlight Control Shields XA-20BLS-4
Hand-Held Remote XA-SENSREM	- Four-pack - Unpainted stainless steel
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	

LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

AA/DL/SA Mount - see page 22 for weight & dimensions

Product	Optic	Mounting*	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options																					
ARE-EDG	2M Type II Medium	3MB Type III Medium w/BLS	4MP Type IV Medium w/Partial	AA Adjustable Arm	02	E	UL Universal 120-277V	BK Black	350 350mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current	PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt																		
				DA Direct Arm	04							BZ Bronze	525 525mA																
				DL Direct Long Arm	06							SV Silver	700 700mA																
	2MB Type II Medium w/BLS	3MP Type III Medium w/Partial	5M Type V Medium	SA Side Arm	08							UH Universal 347-480V	WH White	700mA - Available with 20-60 LEDs	F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - When code dictates fusing, use time delay fuse	PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt													
				DL Direct Long Arm	10												SV Silver	700 700mA											
				SA Side Arm	12												SV Silver	700 700mA											
	2MP Type II Medium w/Partial BLS	4M Type IV Medium	5S Type V Short	- Available with 20-60 LEDs	14												UH Universal 347-480V	WH White	700mA - Available with 20-60 LEDs	HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included	R NEMA® Photocell Receptacle - Intended for downlight applications with maximum 45° tilt - Photocell by others - Refer to ML spec sheet for availability with ML options								
				DL Direct Long Arm	16																	SV Silver	700 700mA						
				SA Side Arm	16																	SV Silver	700 700mA						
	FLD-EDG	25 25' Flood	70 70' Flood	N6 NEMA® 6	SA Side Arm																	14	UH Universal 347-480V	WH White	700mA - Available with 20-60 LEDs	ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt	40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire		
					DL Direct Long Arm																	16						SV Silver	700 700mA
					SA Side Arm																	16						SV Silver	700 700mA
FLD-EDG	40 40' Flood	SN Sign	N6 NEMA® 6	SA Side Arm	14	UH Universal 347-480V	WH White	700mA - Available with 20-60 LEDs	P Photocell - Refer to ML spec sheet for availability with ML options - Available with UL voltage only	40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire																			
				DL Direct Long Arm	16						SV Silver											700 700mA							
				SA Side Arm	16						SV Silver											700 700mA							

* Reference EPA and pole configuration suitability data beginning on page 19
NOTE: Price adder may apply depending on configuration



US: www.cree.com/lighting

T (800) 236-6800 F (262) 504-5415

Rev. Date: V3 10/15/2015

Canada: www.cree.com/canada



T (800) 473-1234 F (800) 890-7507

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard² finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- Weight: See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified. Exceptions apply when ordered with full backlight control or 3MP optic with 20 LEDs. Please refer to www.designlights.org/QPL for most current information
- Meets Buy American requirements within ARRA

Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
14	158	1.32	0.77	0.68	0.62	0.47	0.35
16	179	1.49	0.87	0.77	0.68	0.53	0.39
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
10	171	1.43	0.83	0.74	0.66	0.50	0.38
12	202	1.69	0.98	0.86	0.77	0.59	0.44
14	232	1.94	1.12	0.98	0.87	0.68	0.50
16	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

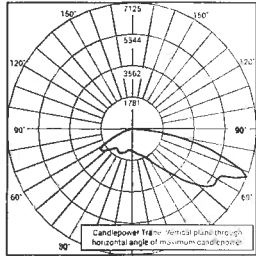
¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)
³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip)



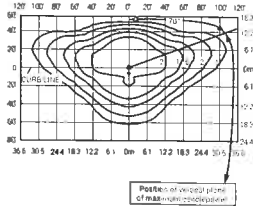
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool

2M



CSA Test Report #: 6371
 ARE-EDG-2M-**-06-E-UL-700-40K
 Initial Delivered Lumens: 10,985



ARE-EDG-2M-**-12-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 17,710
 Initial FC at grade

Type II Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G1	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B2 U0 G2	10,947	B2 U0 G2
12	12,650	B2 U0 G2	13,137	B3 U0 G3
14	14,665	B3 U0 G3	15,229	B3 U0 G3
16	16,760	B3 U0 G3	17,405	B3 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G1	6,216	B2 U0 G1
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B2 U0 G2	12,290	B2 U0 G2
10	14,759	B3 U0 G3	15,326	B3 U0 G3
12	17,710	B3 U0 G3	18,391	B3 U0 G3
14	20,531	B3 U0 G3	21,321	B3 U0 G3
16	23,464	B3 U0 G3	24,367	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B2 U0 G2	11,259	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight Uplight Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf
 Valid with no tilt

PAR LIGHTS

10F3

Cree Edge™ Series

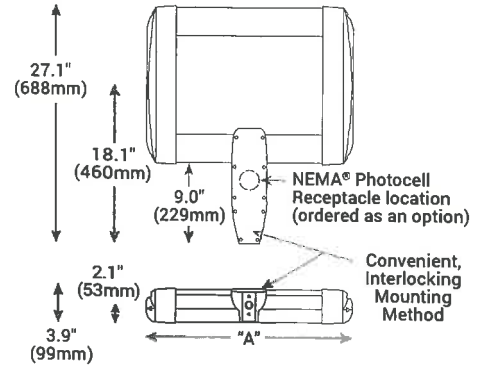
LED Area/Flood Luminaire

Product Description

The Cree Edge™ Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

DA Mount



Performance Summary

Patented NanoOptic® Product Technology

Made in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

* See www.cree.com/lighting/products/warranty for warranty terms

Accessories

Field-Installed	
Bird Spikes XA-BRDSPK	Backlight Control Shields XA-20BLS-4
Hand-Held Remote XA-SENSREM	- Four-pack - Unpainted stainless steel
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	

LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

AA/DL/SA Mount - see page 22 for weight & dimensions

Product	Optic			Mounting*	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
ARE-EDG	2M Type II Medium	3MB Type III Medium w/BLS	4MP Type IV Medium w/Partial BLS	AA Adjustable Arm	02	E	UL Universal 120-277V	BK Black	350 350mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current F Fuse - Refer to ML spec sheet for availability with ML options - Available with UL voltage only - When code dictates fusing, use time delay fuse HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included ML Multi-Level - Refer to ML spec sheet for details - Intended for downlight applications at 0° tilt P Photocell - Refer to ML spec sheet for availability with ML options - Available with UL voltage only
				DA Direct Arm	04		UH Universal 347-480V	BZ Bronze	525 525mA	
				DL Direct Long Arm	06		SV Silver	700 700mA		
				SA Side Arm	08		WH White	700mA		
				- Available with 20-60 LEDs	10			- Available with 20-60 LEDs		
					12					
					14					
					16					
				FLD-EDG	25	70	N6			
25' Flood	70' Flood	NEMA® 6								
40	SN									
40' Flood	Sign									

* Reference EPA and pole configuration suitability data beginning on page 19
NOTE: Price adder may apply depending on configuration



Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard[®] finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified. Exceptions apply when ordered with full backlight control or 3MP optic with 20 LEDs. Please refer to www.designlights.org/QPL for most current information
- Meets Buy American requirements within ARRA

Electrical Data*							
LED Count (x10)	System Watts 120-480V	Total Current					
		120V	208V	240V	277V	347V	480V
350mA							
02	25	0.21	0.13	0.11	0.10	0.08	0.07
04	46	0.36	0.23	0.21	0.20	0.15	0.12
06	66	0.52	0.31	0.28	0.26	0.20	0.15
08	90	0.75	0.44	0.38	0.34	0.26	0.20
10	110	0.92	0.53	0.47	0.41	0.32	0.24
12	130	1.10	0.63	0.55	0.48	0.38	0.28
14	158	1.32	0.77	0.68	0.62	0.47	0.35
16	179	1.49	0.87	0.77	0.68	0.53	0.39
525mA							
02	37	0.30	0.19	0.17	0.16	0.12	0.10
04	70	0.58	0.34	0.31	0.28	0.21	0.16
06	101	0.84	0.49	0.43	0.38	0.30	0.22
08	133	1.13	0.66	0.58	0.51	0.39	0.28
10	171	1.43	0.83	0.74	0.66	0.50	0.38
12	202	1.69	0.98	0.86	0.77	0.59	0.44
14	232	1.94	1.12	0.98	0.87	0.68	0.50
16	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA							
02	50	0.41	0.25	0.22	0.20	0.15	0.12
04	93	0.78	0.46	0.40	0.36	0.27	0.20
06	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%.

Recommended Cree Edge™ Series Lumen Maintenance Factors (LMF) ¹					
Ambient	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
5°C (41°F)	1.04	0.99	0.97	0.95	0.93
10°C (50°F)	1.03	0.98	0.96	0.94	0.92
15°C (59°F)	1.02	0.97	0.95	0.93	0.91
20°C (68°F)	1.01	0.96	0.94	0.92	0.90
25°C (77°F)	1.00	0.95	0.93	0.91	0.89

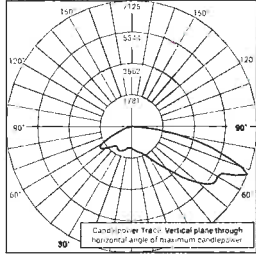
¹ Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
² In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6x) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip
³ In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6x) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip



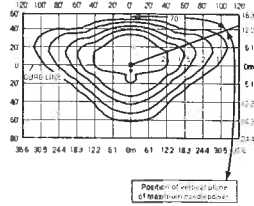
Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: www.cree.com/Lighting/Tools-and-Support/Exterior-IES-Configuration-Tool

2M



CSA Test Report #: 6371
 ARE-EDG-2M-**-06-E-UL-700-40K
 Initial Delivered Lumens: 10,985



ARE-EDG-2M-**-12-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 17,710
 Initial FC at grade

Type II Medium Distribution				
LED Count (x10)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	2,138	B1 U0 G1	2,220	B1 U0 G1
04	4,276	B1 U0 G1	4,440	B1 U0 G1
06	6,340	B2 U0 G1	6,584	B2 U0 G2
08	8,454	B2 U0 G2	8,779	B2 U0 G2
10	10,542	B2 U0 G2	10,947	B2 U0 G2
12	12,650	B2 U0 G2	13,137	B3 U0 G3
14	14,665	B3 U0 G3	15,229	B3 U0 G3
16	16,760	B3 U0 G3	17,405	B3 U0 G3
525mA				
02	2,993	B1 U0 G1	3,108	B1 U0 G1
04	5,986	B2 U0 G1	6,216	B2 U0 G1
06	8,876	B2 U0 G2	9,218	B2 U0 G2
08	11,835	B2 U0 G2	12,290	B2 U0 G2
10	14,759	B3 U0 G3	15,326	B3 U0 G3
12	17,710	B3 U0 G3	18,391	B3 U0 G3
14	20,531	B3 U0 G3	21,321	B3 U0 G3
16	23,464	B3 U0 G3	24,367	B3 U0 G3
700mA				
02	3,656	B1 U0 G1	3,796	B1 U0 G1
04	7,311	B2 U0 G2	7,593	B2 U0 G2
06	10,842	B2 U0 G2	11,259	B2 U0 G2

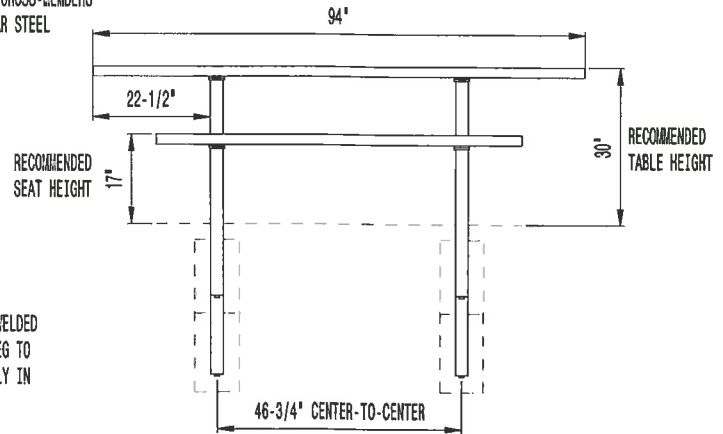
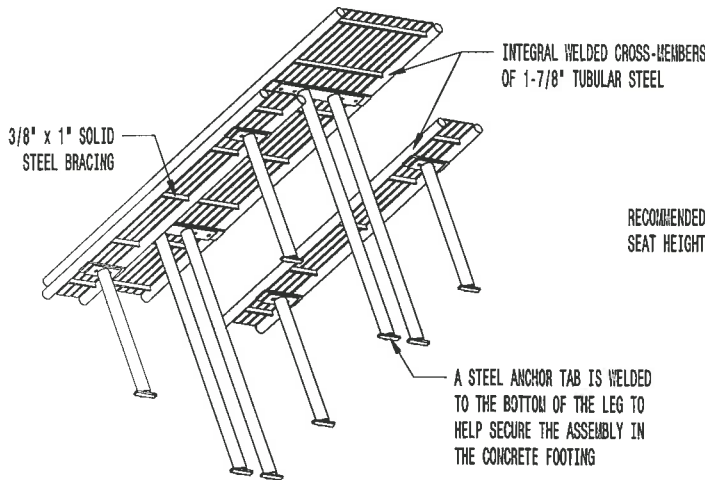
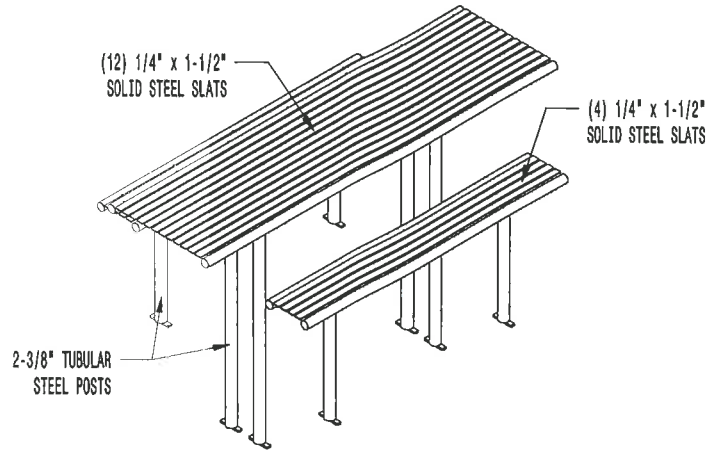
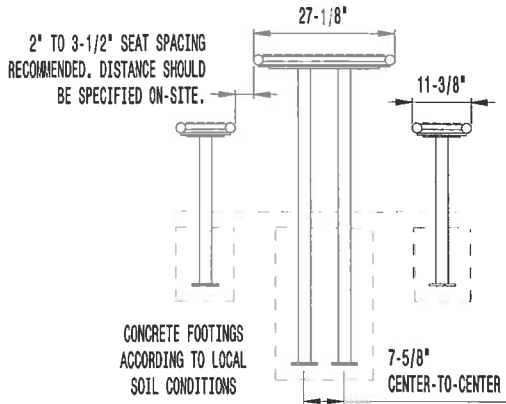
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf
 Valid with no tilt



P.O. DRAWER 330 - DUNKIRK, MD 20754 USA
 TOLL FREE: (800) 368-2573 (USA & CANADA)
 TEL (301) 855-8300 - FAX (410) 257-7579
 WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

* ALL DIMENSIONS ARE IN INCHES *

THIS PRODUCT IS COVERED BY THE FOLLOWING
 US PATENTS: D578,783 S, D581,173 S, D581,188 S;
 CANADIAN PATENTS: 126319, 126320, 126321



AVAILABLE OPTIONS:

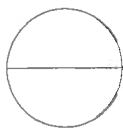
POWDER COATING
 12 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

MOUNTING
 STANDARD SURFACE AND IN-GROUND
 AVAILABLE WITH ADA COMPLIANT LEG POSITIONING
 (ADA COMPLIANT TABLE/BENCH CONFIGURATION: 8' TABLE WITH 6' BENCHES)

LENGTHS
 STANDARD 6'
STANDARD 8' LENGTH SHOWN

NOTES:

1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
5. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
6. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.



FBF-56

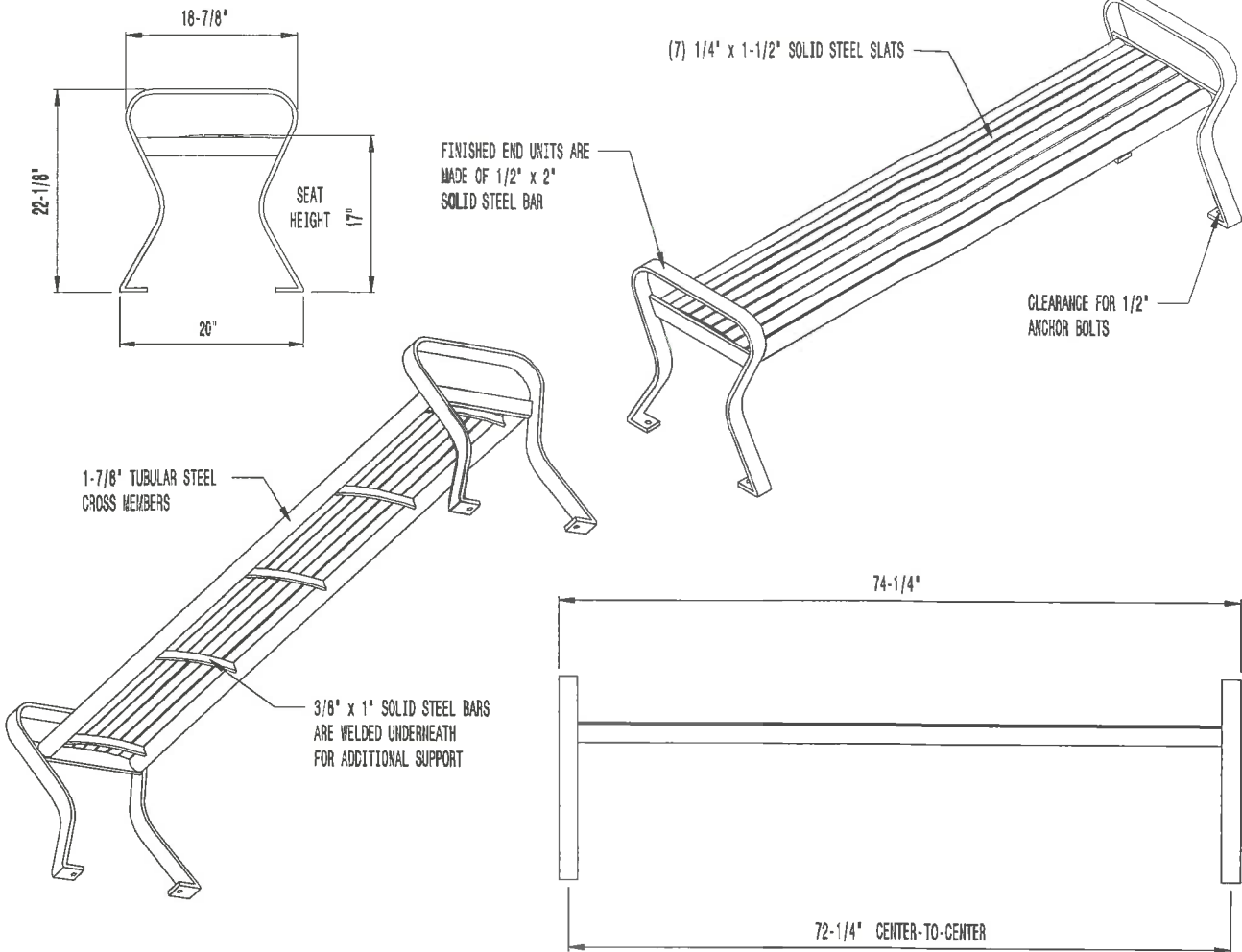
STREETSITES SERIES™

STANDARD ALL STEEL TABLE
SHOWN: STANDARD 8-FOOT LENGTH (ADA COMPLIANT)
STANDARD IN-GROUND MOUNT

Standard Color: BLACK
() Required



P.O. DRAWER 330 · DJUNKIRK, MD 20754 USA
 TOLL FREE: (800) 368-2573 (USA & CANADA)
 TEL (301) 855-8300 · FAX (410) 257-7579
 WEB SITE: HTTP://WWW.VICTORSTANLEY.COM



AVAILABLE OPTIONS:

POWDER COATING

10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)

INTERMEDIATE & CENTER ARMRESTS

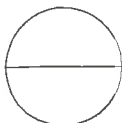
4', 6', & 8' AVAILABLE WITH OPTIONAL ARMREST
 CENTER SUPPORT LEG (STANDARD FOR 8' LENGTHS)

LENGTHS

STANDARD 4'
STANDARD 6' LENGTH SHOWN
 STANDARD 8'

NOTES:

- DRAWING NOT TO SCALE. DO NOT SCALE DRAWINGS.
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH COAT AVERAGES 8-10 MILS (200-250 MICRONS).
- IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
- ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
- FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
- THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



RBF-12

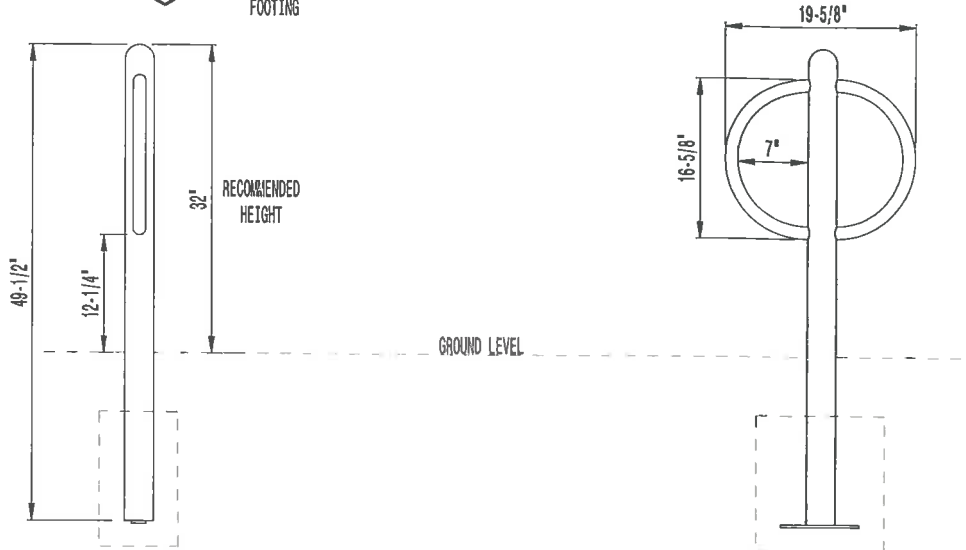
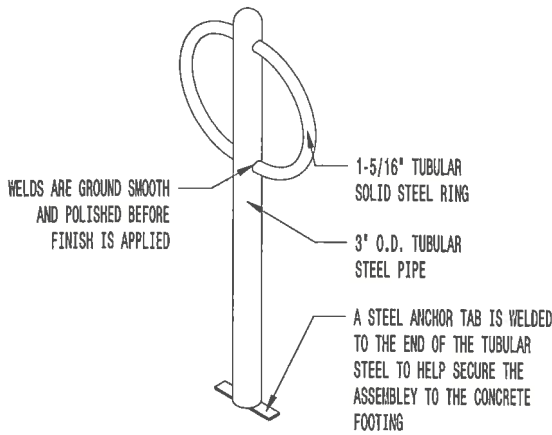
STEEL SITES™ RB SERIES

STANDARD ALL STEEL BACKLESS BENCH
SHOWN: STANDARD 6-FOOT LENGTH

SECURE SITE DESIGN™ L.L.C.
 (a VICTOR STANLEY, INC.® affiliate)

* ALL DIMENSIONS ARE IN INCHES *

TOLL FREE (USA & CANADA): 1-888-ANTI-RAM (888-268-4726)
 410-286-3375 : FAX 410-479-0175
 P.O. BOX 307, DUNKIRK, MD 20754 U.S.A.
 INFO@SECURESITEDESIGN.COM
 WWW.SECURESITEDESIGN.COM



AVAILABLE OPTIONS:
 POWDER COATING

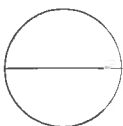
- 10 AVAILABLE COLORS, 2 OPTIONAL METALLIC
- CUSTOM COLORS (INCLUDING THE RAL RANGE AT AN ADDITIONAL COST)
- (ALL POWDER COAT FINISHES ARE DONE AT VICTOR STANLEY, INC. (VSI) TO MATCH THE VSI PRODUCT LINE)
- OTHER FINISHES: GALVANIZED (SPECIAL QUOTE NEEDED)

Mounting

STANDARD IN-GROUND (AS SHOWN) AND SURFACE

NOTES:

1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. THIS SECURE SITE DESIGN, LLC. PRODUCT MUST BE PERMANENTLY AFFIXED IN THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
5. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



BRBS-103

CYCLE SENTRY™ SERIES

BIKE RACK
 SHOWN: STANDARD IN-GROUND MOUNT

**Standard Color: Black
 (20) Required**

Turfstone™

For erosion control and supported turf.

Turfstone has long been a favorite of landscape architects and engineers for areas requiring a supported turf. Its filigree design makes it an attractive and permanent solution for emergency access areas, embankments, spillways, and environmentally sensitive parking areas. Turfstone has the option of being filled with grass or aggregates depending on the project's drainage requirements.



Colors



Natural

Shapes & Sizes



Standard

60 cm x 40 cm x 8 cm

23.5" x 15.75" x 3.25"

Features

Applications

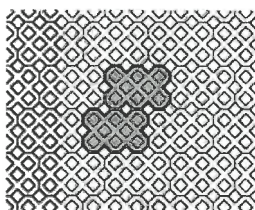
Commercial Vehicular

Residential Vehicular

Surface Texture

Standard

Patterns



Turfstone A
standard (100%)

Packaging

	Unit Thickness	Sq. Ft. Bndl.	Units Sq. Ft.	Lbs Bndl.	Units Bndl.
Standard	8	72	0.39	1748	28

Additional Turfstone™ Information

Sold in full bundles only. Product is shipped on refundable skids. Turfstone 10cm is not a stock item. Contact your territory manager for lead time.

Important Information

Turfstone has long been a favorite of landscape architects and engineers for areas requiring a supported turf. Its filigree design makes it an attractive and permanent solution for emergency access areas, embankments, spillways, and environmentally sensitive parking areas. Voids are filled with grass or colored aggregates.

Base Requirement & Bedding Course – standard paver base specification.

Handling and Installation – Do not compact with a large compactor. Care must be taken to avoid tossing stones so that they bang against each other. Damage to the surface appearance can happen if handled too rough.

Jointing Material and Joint Stabilization

- Soil and grass seed.

All measurements are nominal

Colors, product data, and availability are subject to change without notice. Please confirm all details with your local Unilock Dealer or call 1-800-UNILOCK (1-800-864-5625) for availability in your area. The colors shown should only be used as a guide. Final color selections should always be made from actual samples.

