

City of Augusta
Development Review Application
 Bureau of Planning, Department of Development Services

Address of Proposed development: Leighton Road		
Zone(s): Contract Zone to Industrial District (IA) including Government Services as a use		
Project Name: North Augusta Fire Station		
Existing Building (sq. ft.): 0	Proposed Building (sq. ft.): 9,803 SF	
Existing Impervious (sq. ft.): 0	Proposed Impervious (sq. ft.): 41,093 SF	
Proposed Total Disturbed Area of the Site: 68,500 SF		
Proposed disturbance of greater than one acre requires a Chapter 500, Stormwater Management Permit from the Maine Department of Environmental Protection (DEP).		
Owner's Name/Address: City of Augusta 16 Cony St. Augusta, ME 04330 Phone #: (207) 626-2300 Cell #: e-mail: William.bridgeo@augustamaine.gov	Applicant's Name/Address: (same) Phone #: Cell #: e-mail:	Consultant's Name/Address: Ames Associates, LLC 128 Broadway Bangor, ME 04401 Phone #: (207) 974-3028 Cell #: e-mail:
Tax Map #: 5 Lot #: 109	Lot Size (acres): 28.70 Frontage (Feet): 484.88 feet	Form for Evidence of Standing (deed, purchase and sale agreement, other): Deed
For Staff Use		
Fee Calculation: Major Development max fee is \$4,000; Minor Development max fee is \$1,000 Major Development: \$2,000 + (number of sq ft over 25,000 x \$0.15) = Minor Development: \$250 + (number of sq ft over 5,000 x \$0.15) = All Development: Number of Abutters x (1oz First Class postage fee + \$0.15) = Total Fee: (Fees waived)		
Signatures		
Applicant: 	Date: 12/2/15	
Owner: _____	Date: _____	
Agent: _____	Date: _____	

Checklist. The checklist below must be completed by the applicant. The required material or a written waiver request must be provided.

Information Required on Plan(s) See Augusta Land Use Ordinance for greater detail	Included	Waiver Requested
a. Name of Site Plan (Sec 4.5.2.1 of the Land Use Ordinance)	X	
b. Owner(s) name and address (4.5.2.2)	X	
c. Deed reference to subject parcel (4.5.2.3)	X	
d. Engineer's name, address, signature and seal (4.5.2.4)	X	
e. Surveyor's name, address, signature and seal (4.5.2.5)	X	
f. Scale, both in graphic and written form (4.5.2.6)	X	
g. Date and Revision box (4.5.2.7)	X	
h. Zoning designation(s) (4.5.2.8)	X	
i. North Arrow (true and magnetic, dated or grid) (4.5.2.9)	X	
j. Ownership, location and present use of abutting land (4.5.2.11)	X	
k. Location map (4.5.2.12)	X	
l. Streets, existing & proposed, with curve data (4.5.2.13 & 4.6.2.5)	X	
m. Drainage and erosion control (4.5.2.14)	X	
n. Utilities, existing and proposed (4.5.2.15)	X	
o. Topography, 2 foot contours (4.5.2.16)	X	
p. Parcel boundaries and dimensions (4.5.2.17)	X	
q. Proposed Use of the property (4.5.2.18)	X	
r. Proposed public or common areas (4.5.2.19)	X	
s. Boundary Survey and associated information (4.5.2.20)	X	
t. Traffic controls, off-street parking and facilities (4.5.2.21)	X	
u. Proposed fire protection plans or needs (4.5.2.22)	X	
v. Landscaping and buffering (4.5.2.23)	X	
w. Outdoor lighting plan (4.5.2.24)	X	
x. Freshwater wetlands (4.4.1.14)	X	
y. River, stream or brook (4.4.1.15)	X	
Information Required in Written Project Narrative See Augusta Land Use Ordinance for greater detail	Included	Waiver Requested
a. Pollution – Undue water or air pollution (4.4.1.1)	X	
b. Water – Sufficient potable water (4.4.1.2)	X	
c. Municipal Water – is there adequate supply (4.4.1.3)	X	
d. Soil Erosion – unreasonable soil erosion (4.4.1.4)	X	
e. Road congestion and safety (4.4.1.5 & 4.5.2.21)	X	
f. Sewage waste disposal – adequate provisions (4.4.1.6)	X	
g. Solid waste – adequate provisions (4.4.1.7)	X	
h. Aesthetic, cultural, and natural values (4.4.1.8)	X	
i. Conformity with city ordinances and plans (4.4.1.9)	X	
j. Financial and technical ability (4.4.1.10)	X	
k. Surface water, shoreland, outstanding rivers (4.4.1.11)	X	
l. Ground water – negative impact (4.4.1.12)	X	
m. Flood areas (4.4.1.13)	X	
n. Freshwater wetlands – description of impact (4.4.1.14)	X	
o. Stormwater – management plans (4.4.1.16)	X	
p. Access to direct sunlight (4.4.1.17)	X	
q. State Permits – description of requirements (4.4.1.18)	X	
r. Outdoor lighting – description of lighting plans (4.4.1.20)	X	

Additional Information Required in Written Narrative See Augusta Land Use Ordinance for greater detail Where the items below duplicate the items above, identical responses are permitted and encouraged.	Included	Waiver Requested
s. Neighborhood Compatibility – description per ordinance (6.3.4.1)	X	
t. Compliance with Plans and Policies (6.3.4.2)	X	
u. Traffic Pattern, Flow, and Volume analysis (6.3.4.3)	X	
v. Public facilities – Utilities including stormwater (6.3.4.4)	X	
w. Resource protection and the environment (6.3.4.5)	X	
x. Performance Standards (6.3.4.6)	X	
y. Financial and Technical Ability (6.3.4.7)	X	

Application Materials

The application materials that are required for a complete application are listed below:

Paper Copies	Included	Waiver Requested
10 copies of the application form and narrative	X	
10 copies of the deed, Purchase & Sale agreement, or other document to show standing	X	
3 copies of any stormwater report	X	
2 copies of any traffic report		X
6 reduced-sized copies of the complete plan set on 11" x 17" size paper	X	
4 full-sized copies of the complete plan set on ANSI D or E size paper	X	
10 copies of a letter authorizing the agent to represent the applicant	X	
Payment in full of application fee (Note: an abutter notification fee will be assessed after the application is determined to be complete. The fee is \$0.15 plus the cost of first class postage for each abutter that will be notified as required by the ordinance.)	N/A	
Electronic Copy		
1 CD that includes each of the application documents in Adobe PDF format	X	

For Official Use:			
\$ _____	Application Fee Paid.	Received By (Initials): _____	Date: _____
\$ _____	Abutter Notification Fee Paid.	Received By (Initials): _____	Date: _____

Development Review Attachments

- (1) Narrative
- (2) USGS Location Map
- (3) Assessor's Map
- (4) Flood Zone Map
- (5) Aquifer Map
- (6) Warranty Deed
- (7) Council Order
- (8) Exterior Lighting
- (9) Letter – Maine Historic Preservation Commission
- (10) Letter – Penobscot Nation
- (11) Letter – Maine Department of Inland Fisheries and Wildlife
- (12) Memorandum – Maine Natural Areas Program

Development Review Narrative

- (1) *4.4.1.1 Pollution*
 - a. The project is outside the 100-year floodplain.
 - b, c, d, e. The project will be served by public sewer.
- (2) *4.4.1.2 Sufficient Water*

The fire station will be served by public water.
- (3) *4.4.1.3 Municipal Water Supply*

The fire station will be served by public water.
- (4) *4.4.1.4 Soil Erosion*

An erosion and sedimentation control plan is included in the application.
- (5) *4.4.1.5 & 4.5.2.21 Highway or Public Road Congestion and Safety*

Staff will primarily travel to the fire station. The new fire station will not cause unreasonable public road congestion.
- (6) *4.4.1.6 Sewage Waste Disposal*

Sewage will be disposed of in the public sewer.
- (7) *4.4.1.7 Solid Waste*

The City of Augusta will haul solid waste to the municipal facility.
- (8) *4.4.8.8 Aesthetic, Cultural and Natural Values*

The fire station is proposed in a location buffered from neighboring residences and Leighton Road. An industrial park is across Leighton Road on Anthony Avenue. Letters received from the Maine Department of Inland Fisheries and Wildlife and the State Historic Preservation Commission confirm that no wildlife or historic sites will be affected by the development.
- (9) *4.4.1.9 Conformity with City Ordinances and Plans*

The application conforms with the City Ordinances and the 2007 Comprehensive Plan.
- (10) *4.4.1.10 Financial and Technical Capacity*

See financial and technical ability (Section 25).
- (11) *4.4.1.11 Surface Waters; Outstanding River Segments*

The project is not in the watershed of a pond or lake or within 250 feet of the natural resources specified. Not applicable.
- (12) *4.4.1.12 Ground Water*

The proposal is not expected to adversely affect the quality or quantity of groundwater.

- (13) *4.4.1.13 Flood Areas*
The project is not in the 100-year floodplain.
- (14) *4.4.1.14 Freshwater Wetlands*
The wetlands are identified on the plans. The wetlands impacted at the stream crossing will be permitted by the Maine DEP and the Army Corps of Engineers.
- (15) *4.4.1.16 Stormwater*
A Maine DEP Stormwater Permit will be applied for because site disturbance is over 1 acre.
- (16) *4.4.1.17 Access to Direct Sunlight*
The proposal will not block abutters' access to sunlight.
- (17) *4.4.1.18 State Permits*
The proposal is not regulated by the Site Location of Development Act.
- (18) *4.4.1.20 Outdoor Lighting*
Utility pole mounted cobrahead lighting is proposed on the access drive, to be leased from Central Maine Power. Two pole mounted lights are in the parking lot and other site lighting is mounted on the building. Due to the secluded location of the building, no light trespass will occur. Pole mounted and building mounted fixtures will be full cutoff.
- (19) *6.3.4.1 Neighborhood Compatibility*
- (a) *Is the proposal compatible with and sensitive to the character of the site and neighborhood relative to:*
- (i) *Land Uses;*
The site is undeveloped. There is an industrial park on the opposite side of Leighton Road. The lots that abut the parcel have residences on them or are undeveloped land. A wooded buffer exists between residences and the proposed building.
- (ii) *Architectural Design;*
The building has a concrete block façade facing north, a mix of concrete block and metal siding facing east to Leighton Road and the other two façades have metal siding. Colors are tans and grays. The design matches the use of the building.
- (iii) *Scale, Bulk and Building Height;*
At the peak of the façade, the building is 33 feet high. The scale and bulk are consistent with a fire station.
- (iv) *Identity and Historical Character;*
The lot is located in north Augusta which has been changing from a rural area to a more developed area over the past few decades. As a result of the

development, a fire station is needed in this area. The building is set 300 feet from the Leighton Road right of way with an existing wooded buffer along a brook.

(v) *Disposition and Orientation of Buildings on the Lot; and*
The fire station will be located in the southeast area of the lot. It is proposed in this area because it is close to Leighton Road. This will minimize the length of the access drive and its associated cost. It will also minimize the distance the emergency vehicles need to travel on the lot when responding to an emergency.

(vi) *Visual Integrity?*
The building is screened from Leighton Road with vegetation, but will be visible across fields from Mount Vernon Road.

(b) *Are the elements of the site plan (e.g., buildings, circulation, open space and landscaping) designed and arranged to maximize the opportunity for privacy by the residents of the immediate area?*

The driveway entrance is aligned with Anthony Avenue, minimizing traffic disturbance. The long driveway and wooded lot perimeter ensure privacy for residents in the immediate area.

(c) *Will the proposal maintain safe and healthful conditions within the neighborhood? This criterion shall not be limited to the standards affecting safety and health as outlined in this land use ordinance. Additional regulations may be found in the City of Augusta Code of Ordinances as amended.*

In 2008 the City of Augusta hired an independent consultant to determine the fire facility needs. North Augusta was identified as a high priority in the area in order to reduce emergency response times. The fire station will provide reductions in fire insurance premiums for the North district.

(d) *Will the proposal have a significant detrimental effect on the value of adjacent properties (which could be avoided by reasonable modifications of the plan)? In determining whether this criterion has been met, the Planning Board may require the applicant to submit an appraisal prepared by a State of Maine certified appraiser.*

The proposal is not expected to have a significant detrimental effect on the value of adjacent properties. It would have a favorable affect in terms of shortened response time for emergency responders.

(20) *6.3.4.2 Plans and Policies: Is the proposal in accordance with the adopted elements of the 2007 Comprehensive Plan?*

The project site is on the boundary between the Economic Growth Area and the Rural Northwest District which are described in the 2007 Comprehensive Plan.

(21) 6.3.4.3 *Traffic Pattern, Flow and Volume*

(a) *Is the proposal designed so that the additional traffic generated does not have a significant negative impact on surrounding neighborhood?*

The traffic associated with the site will mainly consist of City of Augusta employees who will work at the fire station. The largest shift would have 5 employees.

(b) *Will safe access be assured by providing proper sight distance and minimum width curb cuts for safe entering and exiting? See City of Augusta Technical Standards Handbook.*

The access road is 28 feet wide, meets sight distances and complies with the Technical Standards. It is directly across from Anthony Avenue, providing for a safe intersection design. Actuated lighting will flash on Leighton Road when emergency responders are exiting the station to warn approaching traffic.

(c) *Does the proposal provide access for emergency vehicles and for persons attempting to render emergency services?*

The proposed project is a fire station and therefore emergency services will be on site. The design includes adequate space for fire trucks, ambulances, and other emergency vehicles to maneuver.

(d) *Does the entrance and parking system provide for the smooth and convenient movement of vehicles both on and off the site? Does the proposal satisfy the parking capacity requirements of the city and provide adequate space suited to the loading and unloading of persons, materials and goods?*

The entrance and parking lot have been designed to allow for smooth and convenient movement of vehicles on the site. Sufficient parking and unloading space is provided. The largest shift at the station would have 5 employees, who would park at the rear (south) side of the building. Spaces in the front (north) of the building are designated for visitors. The parking requirements are for 3 spaces per 1000 SF of Gross Floor Area PLUS 1 space per employee on the largest shift. The building is 9,803 SF (9.8 times 3 = 29.4 spaces) PLUS 5 employees = 35 Spaces. The site plan has 18 spaces. Over half of the building is parking for the firetrucks, therefore a waiver is requested to reduce the number of parking spaces required by half.

(22) 6.3.4.4 *Public Facilities: Is the proposal served by utilities with adequate capacity or have arrangements been made for extension and augmentation of the following services:*

(a) *Water Supply (both domestic and fire flow);*

The fire station will be connected to public water with a 6" service. A hydrant is proposed on the property.

(b) *Sanitary Sewer/subsurface waste disposal system;*

The fire station will be connected to the public sewer with an 8" service.

(c) *Electricity/Telephone;*

Electric power and telephone service will be extended from Leighton Road overhead to a generator pad, then underground to the building.

(d) *Storm Drainage?*

Catchbasins are located throughout the site, primarily to collect runoff from the parking lot. Water will flow into the brook through the storm drainage system, or through existing field and wooded buffers.

(23) 6.3.4.5 *Resource protection and environment*

(a) *If the proposal contains known sensitive areas such as erodible or shallow soils, wetlands, aquifers, aquifer recharge areas, floodplain or steep slopes (over fifteen (15) percent, what special engineering precautions will be taken to overcome these limitations?*

The site is not in the 100-year floodplain, see attached map. The aquifer recharge area is not at the development site. There is a stream to the southeast of the proposed building. Permits will be obtained from MDEP and the Army Corps of Engineers for stream crossing and wetland impact.

(b) *Does the proposal conform to applicable local, State DEP and Federal EPA air quality standards including but not limited to odor, dust, fumes or gases which are noxious, toxic or corrosive, suspended solid or liquid particles, or any air contaminant which may obscure an observer's vision?*

The proposal will conform to state and federal government air quality standards.

(c) *Does the proposal conform to applicable local, State DEP and Federal EPA water quality standards, including but not limited to erosion and sedimentation, runoff control, and solid wastes and hazardous substances?*

Permits will be obtained from MDEP and the Army Corps of Engineers for stream crossing, wetland impact and stormwater. Erosion and sedimentation control standards will be met. Solid waste will be hauled by the City of Augusta to the municipal facility.

(d) *Will all sewage and industrial wastes be treated and disposed of in such a manner as to comply with applicable federal, state and local standards?*

Sewage will be disposed of in the public sewer. An oil/water separator is proposed for floor drains within the building. No industrial waste will be produced.

(e) *Shoreland and Wetland Districts:*

There is a SP50 zone to either side of the stream. The shoreland zone is 25 feet wide on each side of the stream. The entrance to the site crosses the stream and the SP50 zone.

Will the proposal:

- i. *Maintain safe and healthful conditions;*
All permitting requirements will be met.
- ii. *Not result in water pollution, erosion or sedimentation to surface waters;*
Stormwater runoff will be treated in buffers and erosion and sedimentation control standards will be used during construction.
- iii. *Adequately provide for the disposal of all wastewater;*
Public sewer services will be used.
- iv. *Not have an adverse impact on spawning grounds, fish, aquatic life, bird or other wildlife habitat;*
The Maine Department of Inland Fisheries and Wildlife has reviewed the proposed project and does not have concerns.
- v. *Conserve shore cover and visual, as well as actual points of access to inland and coastal waters;*
Buffers along the stream will be maintained.
- vi. *Protect archaeological and historic resources as designated in the 1988 Growth Management Plan;*
A letter to the State Historic Preservation Commission notes that no historic properties will be affected by the project.
- vii. *Avoid problems associated with flood plain development and use; and*
Not applicable. The project is not within the flood plain.
- viii. *Conforms with the provisions of Section 5.3.1, Special Shoreland Standards.*
Standards have been met.

(24) 6.3.4.6 *Performance standards*

(a) *Does the proposal comply with all applicable performance and dimensional standards as outlined in this ordinance?*

The proposal meets applicable setback and lot area requirements. Parking spaces meet the standards necessary.

(b) *Can the proposed land use be conducted so that noise generated shall not exceed the performance levels specified in the performance standards section of this ordinance?*

Detailed plans for the elimination of objectionable noises may be required before the issuance of a building permit.

Sirens from emergency response equipment will not be activated until the vehicle enters Leighton Road.

- (c) *If the proposal involves intense glare or heat, whether direct or reflected, is the operation conducted within an enclosed building or with other effective screening in such a manner as to make such glare or heat completely imperceptible from any point along the property line? Detailed plans for the elimination of intense glare or heat may be required before issuance of a building permit. Temporary construction is excluded from this criterion.*

No intense glare or heat is proposed.

- (d) *Is the exterior lighting, except for overhead street lighting and emergency warning or traffic signals, installed in such a manner that the light source will be sufficiently obscured to prevent excessive glare on public streets and walkways or into any residential area?*

Cobrahead lights will be installed on the utility poles bringing power onto the property. Two pole mounted lights are proposed in the parking lot and building mounted lighting is proposed. No glare will extend to public streets or residential areas. Full cutoff fixtures are proposed.

- (e) *Does the landscaping screen the parking areas, loading areas, trash containers, outside storage areas, blank walls or fences and other areas of low visual interest from roadways, residences, public open space (parks) and public view?*

No landscaping is proposed due to the fact that the building is set a minimum of 300 feet from property lines and a wooded buffer surrounds 3 sides of the site which would have the highest visibility.

- (f) *Are all the signs in the proposal in compliance with provisions of this ordinance?*

The only sign proposed is a freestanding sign along Leighton Road at the entrance to the station. This sign will meet the standards of the Sign Ordinance.

(25) *6.3.4.7 Financial and technical ability*

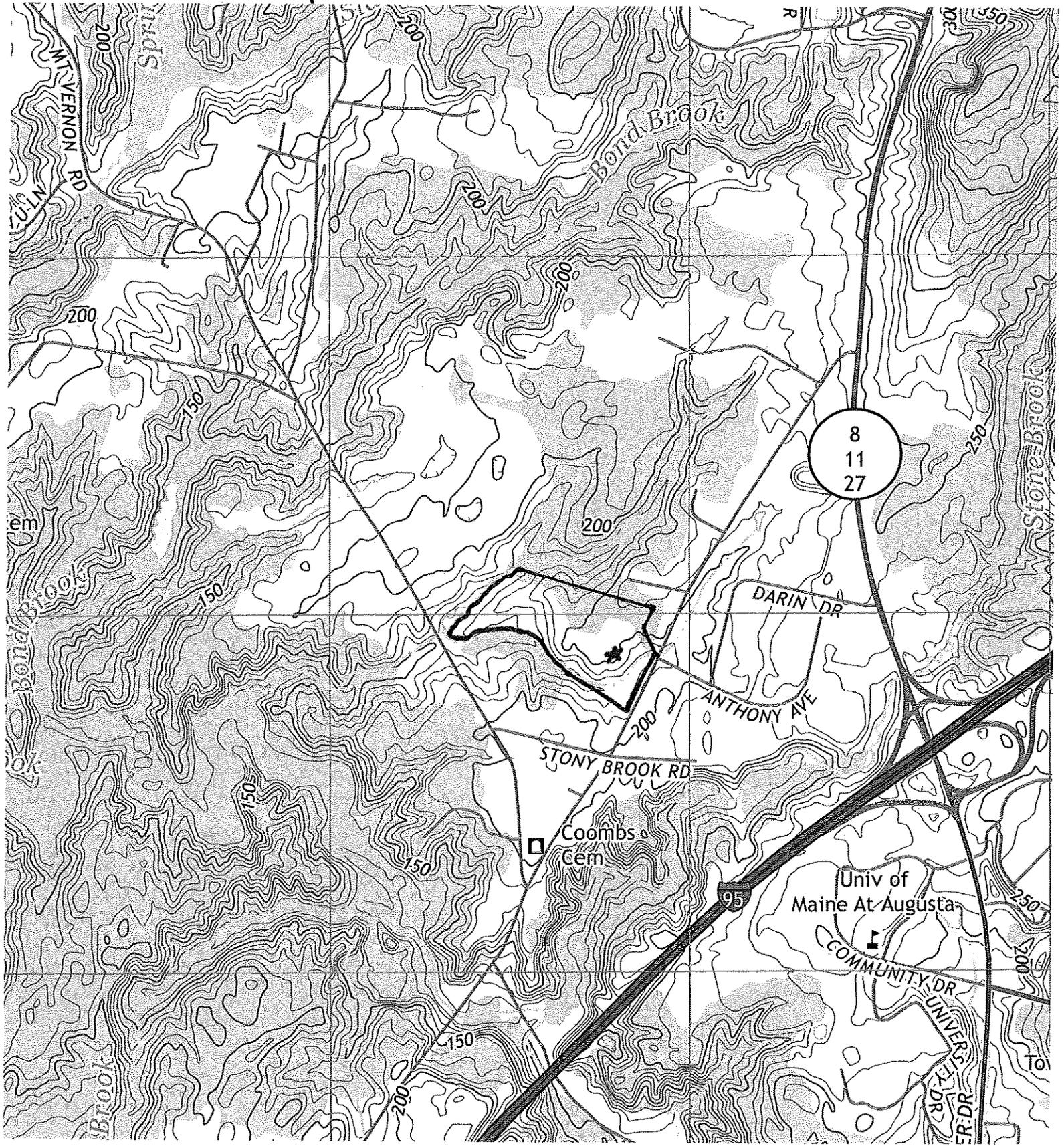
- (a) *Does the Applicant have adequate technical ability to meet the terms of the Ordinance?*

Ames Engineering provided the engineering services. City staff prepared the application materials. We have the technical ability to meet the terms of the ordinance.

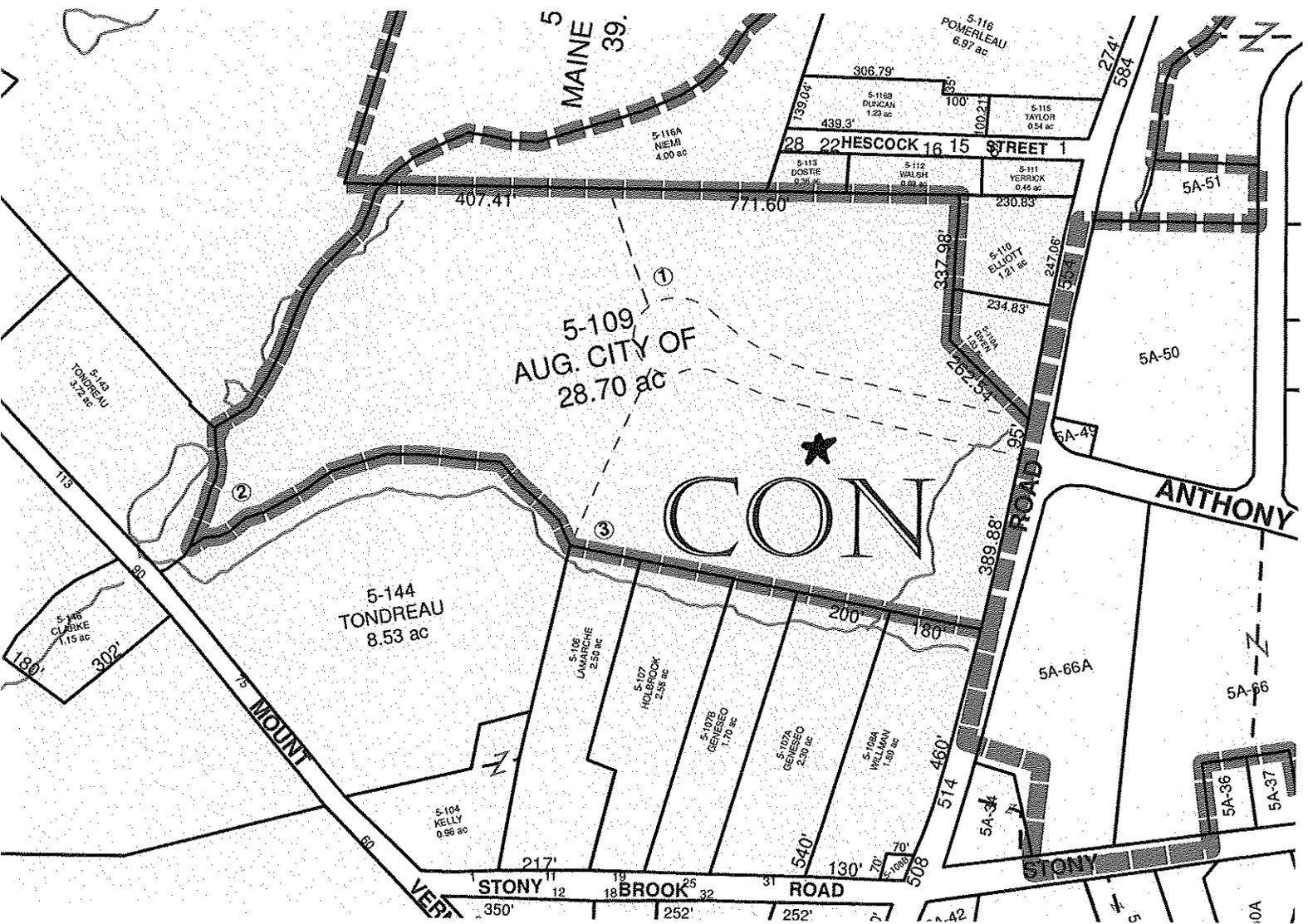
- (b) *Does the Applicant have adequate financial ability to construct the development in compliance with the terms of the Ordinance?*

A bond was approved in 2014 to use TIF dollars to fund the project.

USGS Map

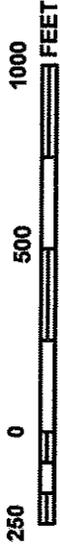


Assessor's Map





MAP SCALE 1" = 500'



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0506D

FIRM
FLOOD INSURANCE RATE MAP
KENNEBEC COUNTY,
MAINE
(ALL JURISDICTIONS)

PANEL 506 OF 775
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:
COMMUNITY NUMBER 230087
AUGUSTA, CITY OF

PANEL NUMBER 0506
SUFFIX D

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



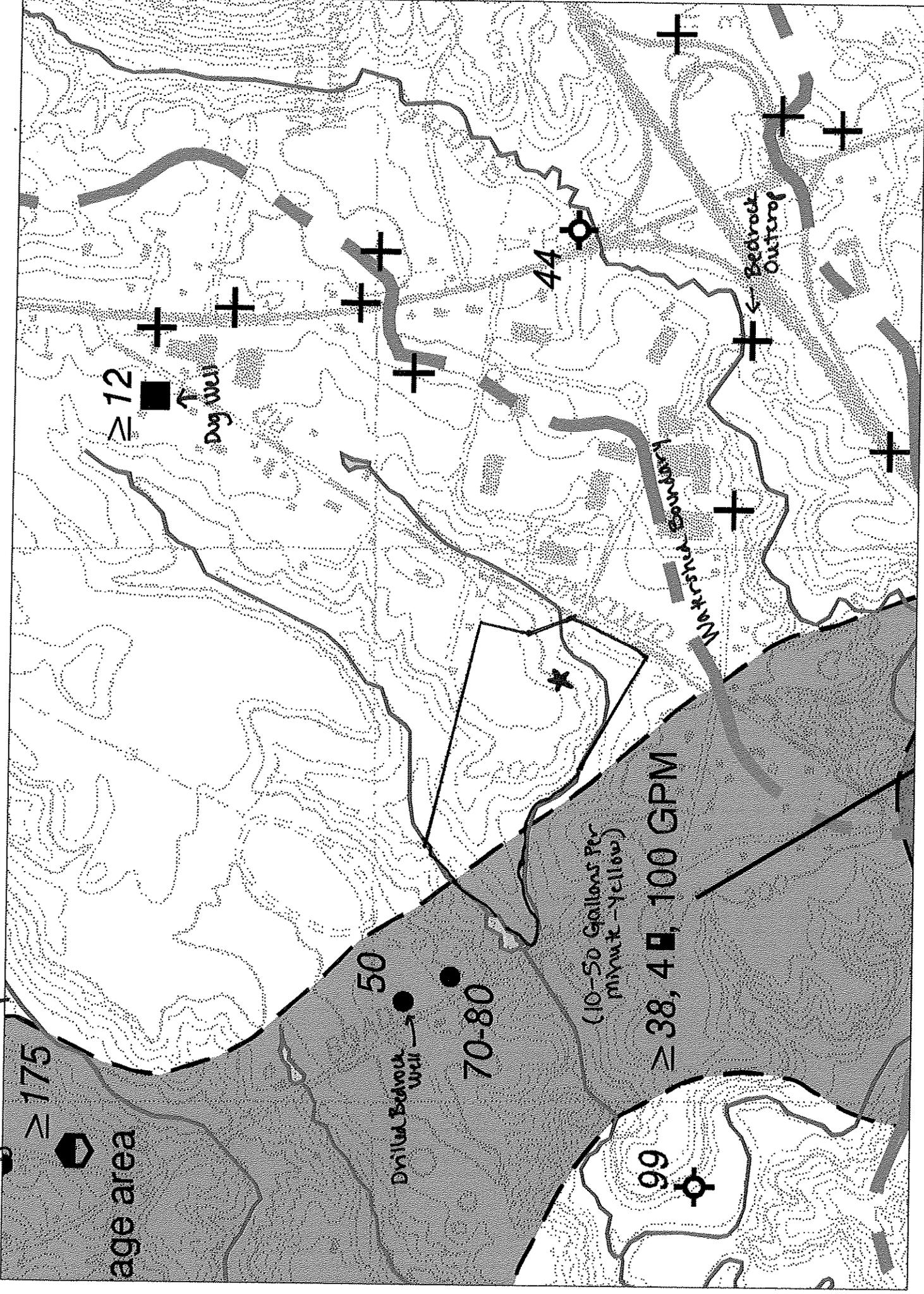
MAP NUMBER
23011C0506D
EFFECTIVE DATE
JUNE 16, 2011

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-IRM On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



Aquifer Map



≥ 175



age area

≥ 12



Dug Well

50



Drilled Bedrock Well

70-80

44



99



$\geq 38, 4$

(10-50 Gallons Per minute - yellow)

Mankin Creek

Bedrock Outcrop

TRANSFER
TAX
PAID

5-109

WARRANTY DEED
013335

KNOW ALL MEN BY THESE PRESENTS, that CECIL D. QUIMBY, Grantor, whose mailing address is 443 Civic Center Drive, Augusta, County of Kennebec, State of Maine, for valuable consideration paid by the CITY OF AUGUSTA, a Maine Municipal Corporation, whose mailing address is 16 Cony Street, Augusta, Maine, the receipt whereof he does acknowledge, does hereby give, grant, bargain, sell and convey, with Warranty Covenants, unto the said CITY OF AUGUSTA, its successors and assigns forever:

A certain lot or parcel of land located in Augusta and bounded and described as follows:
See "Schedule A" attached hereto.

Meaning and intending to convey Parcel 7 of a deed to Cecil D. Quimby and Shirley A. Quimby recorded in the Kennebec County Registry of Deeds in Book 1315, Page 91. See also a deed from Shirley A. Quimby to Cecil D. Quimby recorded in said Registry, Book 2249, Page 315.

IN WITNESS WHEREOF, CECIL D. QUIMBY, has hereunto set his hand and seal this 13th day of June, in the year of our Lord two thousand.

SIGNED, SEALED AND DELIVERED
IN PRESENCE OF

Beatrice Dostie
WITNESS

Cecil D. Quimby
CECIL D. QUIMBY

STATE OF MAINE
COUNTY OF KENNEBEC

Personally appeared the above-named CECIL D. QUIMBY and acknowledged the above instrument to be his free act and deed. Dated this 13th day of June, 2000.

Before me,

Beatrice Dostie
Notary Public/Attorney-at-Law

BEATRICE DOSTIE
NOTARY PUBLIC, MAINE
MY COMMISSION EXPIRES MAY 25, 2006

Printed Name _____



Linda Gifford (3)

"Schedule A"

A certain lot or parcel of land situate on the northwesterly side of Oakland Road, so-called, in the City of Augusta, Kennebec County, State of Maine, and being bounded and described as follows:

Beginning on the northwesterly right-of-way line of said Oakland Road at a ½-inch iron rod found and the easterly corner of land now or formerly of one Murphy, reference deed recorded in Kennebec County Registry of Deeds in Book 2568, Page 258, all as shown on a plan entitled "Plan of Standard Boundary Survey, Cecil D. Quimby, Oakland Road, Augusta, Maine", dated May 31, 2000, by Thayer Engineering Company, Inc., Farmingdale, Maine, recorded or to be recorded in Kennebec County Registry of Deeds;

thence N 39° 44' 06" E along the northwesterly right-of-way line of said Oakland Road a distance of 484.88 feet to the southerly corner of land now or formerly of one Given, reference deed recorded in said Registry of Deeds in Book 1289, Page 156, said corner being N 35° 13' 19" W and 1.03 feet from a ¾-inch iron rod found capped "ECJ 509", said corner also being N 26° 06' 38" W and 4.69 feet from a ¾-inch iron rod found;

thence N 26° 06' 38" W along the southwesterly line of said land of Given a distance of 262.59 feet to a ¾-inch iron rod found capped "RLS 419";

thence N 41° 54' 08" E along the northwesterly line of said land of Given a distance of 337.98 feet to the northerly corner of said land of Given and the southwesterly line of land now or formerly of one Benoit Poulin and Marie Rose Poulin, Trustees of the Poulin Family Trust, reference deed recorded in said Registry of Deeds in Book 4687, Page 328, said corner being N 41° 54' 08" E and 0.21 feet from a ¾-inch iron pipe found;

thence N 60° 57' 17" W along the southwesterly line of said land of Poulin and along the southwesterly line of land now or formerly of one Dostie, reference deed recorded in said Registry of Deeds in Book 1266, Page 308, a distance of 430.86 feet to a 2-inch iron pipe found and a southerly corner of land now or formerly of one Ruby, reference deed recorded in said Registry of Deeds in Book 1374, Page 1;

thence continuing N 60° 57' 17" W along the southwesterly line of said land of Ruby a distance of 748.15 feet to a point on the southeasterly bank of a brook and a southeasterly line of land now or formerly of one Tondreau, reference deed recorded in said Registry of Deeds in Book 3298, Page 234, said point being S 29° 02' 43" W and 0.68 feet from a 1 ¼-inch iron pipe found;

thence in a general southwesterly direction along the southeasterly line of said land of Tondreau and along the southeasterly bank of said brook and along a wire fence a distance of 360 feet, more or less, to a ¾-inch iron rod set capped "Thayer Engineering Company" at an angle in said wire fence, said iron rod being S 79° 28' 37" W and 338.58 feet from the last mentioned point;

thence continuing in a general southwesterly direction along the southeasterly line of said land of Tondreau and along said wire fence a distance of 624 feet, more or less, to a ¾-inch iron rod set capped "Thayer Engineering Company" at an angle in said wire

fence, said iron rod being S 57° 40' 59" W and 623.21 feet from the last mentioned iron rod;

thence N 76° 02' 53" W along a southerly line of land of said Tondreau and along said wire fence a distance of 46.58 feet to a ¼-inch iron rod set capped "Thayer Engineering Company" in said wire fence;

thence continuing N 76° 02' 53" W along a southerly line of land of said Tondreau and said wire fence a distance of 6 feet, more or less, to the center of a gully and brook;

thence in a general southeasterly direction along the center of said gully and brook, being along a northeasterly line of said land of Tondreau and along the northeasterly line of land now or formerly of one Ruth H. Tondreau, reference deed recorded in said Registry of Deeds in Book 6143, Page 95, a distance of 1,097 feet, more or less, to the easterly corner of said land of Ruth H. Tondreau and the northerly corner of land now or formerly of one LaMarche, reference deed recorded in said Registry of Deeds in Book 4309, Page 239;

thence continuing in a general southeasterly direction along the center of a brook, being along the northeasterly line of said land of LaMarche, along the northeasterly line of land now or formerly of one Marlene M. Geneseo, reference deed recorded in said Registry of Deeds in Book 4809, Page 166, and along the northeasterly line of land now or formerly of one Tony J. Geneseo and Melanie A. Geneseo, reference deed recorded in said Registry of Deeds in Book 4872, Page 201, a distance of 660 feet, more or less, to a point which is N 50° 28' 53" W and 121 feet, more or less, from a ¼-inch iron rod found capped "ECJ 509" and the easterly corner of said land of Tony J. Geneseo and Melanie A. Geneseo;

thence S 50° 28' 53" E along the northeasterly line of said land of Tony J. Geneseo and Melanie A. Geneseo a distance of 121 feet, more or less, to said ¼-inch iron rod found capped "ECJ 509" and the northerly corner of said land of Murphy, said iron rod being S 55° 02' 21" E and 1,661.40 feet from the last mentioned iron rod set;

thence S 57° 48' 01" E along the northeasterly line of said land of Murphy a distance of 181.75 feet to the point of beginning, containing 28.7 acres, more or less.

Bearings are based upon a May 2000 magnetic north observation.

Reference is made to said plan entitled "Plan of Standard Boundary Survey, Cecil D. Quimby, Oakland Road, Augusta, Maine", dated May 31, 2000, by Thayer Engineering Company, Inc., Farmingdale, Maine, recorded or to be recorded in Kennebec County Registry of Deeds.

Being the same premises described as the seventh parcel in a deed of Earl C. Wyman and Lena H. Wyman to Cecil D. Quimby and Shirley A. Quimby, dated September 3, 1963, recorded in Kennebec County Registry of Deeds in Book 1315, Page 90.

RECEIVED KENNEBEC SS.

2000 JUN 15 AM 9:00

May 31, 2000

Page 2 of 2

ATTEST: *Norma Ruth Mann*
REGISTER OF DEEDS

000240 BD1



CITY COUNCIL
City of Augusta, Maine

July 17, 2000

TITLE **Quimby Lot Re-Zone to Industrial District**

BE IT ORDAINED, By the City Council of the City of Augusta, Maine that in concurrence with the unanimous recommendation of the Planning Board, that the parcel of land shown as Lot 109 on Augusta Tax Map 5 be contractually re-zoned to ~~IA (Industrial District)~~ for the following six (6) land uses: Business Services; Professional Services; ~~Government Services~~; Business and Professional Associations; Finance, Insurance, Real Estate Services; and Research, Experimental and Testing Laboratories.

⁴¹¹
Introduced By

Nye

Mayo-Wescott

Moved By

Seconded By

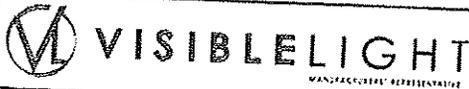
Passed August 7, 2000

Augusta Fire Station

Exterior lighting

11/12/15

Submitted by:



Job Name:

AUGUSTA FIRE STATION-EXTERIOR
under front canopy

Catalog Number:

LED8

Type:

1

RECESSED

architectural

LED 8" lensed

1100, 1500, 2000 or 3000 lumens

Project _____
Type _____
Catalog number _____

frame-in kit

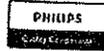
- This fixture offered in 120V (1) or 277V (2), and in 347V (3) using a step down transformer. Also available in 220V (4) and 240V (5).
- Prewired and grounded junction box with galvanized snap-on covers. Listed for through branch circuit wiring.
- Universal mounting brackets provide tool-less adjustability and will accept the supplied hanger bars or optional #517 and #520 Caddy bars. Also accepts C channel.
- Electrogalvanized plated steel hanger bars are included as factory standard. Bars extend to 24" and offer self-nailing and additional mounting features.

Philips Fortimo DLM LED Module

- Remote phosphor technology
- Superior quality white LED light
- 80+ CRI
- Rated Life: 50,000 hours at 70% lumen maintenance (L70) when maintained in a 45°C ambient environment with open air flow. Ambient temperatures lower than 45°C may extend life of module. 5-year warranty.

Philips Xitanium Electronic LED Driver

- Dimmable, instant 100% light (5%-100%) via: 0-10V protocol
- FCC 47 CFR Part 15 / Class A



Passive Heat Sink

- Black anodized aluminum
- Designed for maximum heat dissipation

This LED fixture is intended for non-IC applications, insulation must be kept 3" away from fixture on all sides. Not for use within enclosures.

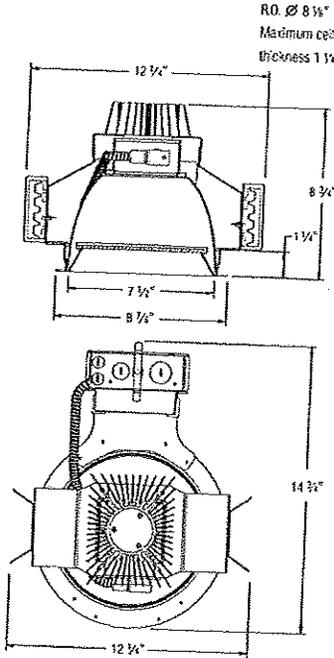
Listed for Wet Location under covered ceiling. Tested and Listed by ETL to UL1598 and CSA C22.2 #250. Tested to LM79. ENERGY STAR® qualified (120V/277V and with standard driver only). Air Tight certified to ASTM E283-04 with AT trim option. Photometrics at atlantic-lighting.com.

Specifications and dimensions subject to change without notice.



ATLANTIC LIGHTING

T: 508 678-5411 | F: 508 678-5408 www.atlantic-lighting.com



TRIM KIT

lensed reflector

- 8LEDPR Prismatic lens
- 8LEDFR Frosted lens

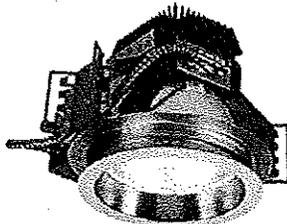


baffled lensed reflector

- 8LED11PR Black baffled splay & prismatic lens
- 8LED11FR Black baffled splay & frosted lens
- 8LED12PR White baffled splay & prismatic lens
- 8LED12FR White baffled splay & frosted lens



Precision spun .064 aluminum reflector with a specular clear finish. The self-flanged splay has a white painted trim flange and includes safety chain. Optional polished flange will match the splay finish (not available on baffled splay).



ordering data

FRAME-IN KIT

SERIES: LE08 Architectural 8" LED LENS LENS

LUMENS*

DLM11	1100 lumen module
DLM15	1500 lumen module
DLM20	2000 lumen module
DLM30	3000 lumen module

COLOR TEMPERATURE

27K	2700K
3K	3000K
35K	3500K
4K	4000K

VOLTAGE

1	120V
2	277V
3	347V Step down transformer

DIMMING

0-10V DC standard, leave box blank
L3D Lutron® EcoSystem® and 3-wire (100%-1%)
L7E Lutron® 2-wire forward-phase (100%-1%) (120V only)

OPTIONS

LEM Emergency Pack (Specify Voltage) Bodine #BSL17C-C2 or equivalent Class 2 Rated. Requires large frame.

TRIM KIT

Refer to left for part numbers. Specify finish & other below. Finishes and polished flange not available on baffled splay.

Finishes

CL	Specular clear
SB	Semi-specular clear
HZ	Haze clear (etched)
WH	Matte white

Other

PF	Polished flange
AT	Air Tight

Lumens* Temp Watts*

1100	2700K	10.3W
1100	3000K	10.1W
1100	3500K	9.6W
1100	4000K	9.2W
1500	2700K	15.4W
1500	3000K	14.5W
1500	3500K	13.6W
1500	4000K	13.2W

Lumens* Temp Watts*

2000	2700K	22.3W
2000	3000K	20.9W
2000	3500K	19.9W
2000	4000K	18.9W
3000	2700K	39.1W
3000	3000K	37.1W
3000	3500K	35.6W
3000	4000K	34.6W

*Listed lumens and wattages are component measurements. See photometrics for fixture values. GEM4

P/N Example: LE08-DLM11-27K-1/8LEDPR-CL

LE08-DLM11-27K-1 /8LEDPR-CL

series lumens voltage temp options trim kit finish other

7/17/14 NP14-009

Submitted by:	Job Name:	Catalog Number:	Type:
VISIBLE LIGHT MANUFACTURED BY REPRESENTATIVE	AUGUSTA FIRE STATION-EXTERIOR <i>over Doors-Entry</i>	DSXW1	2



D-Series Size 1 LED Wall Luminaire



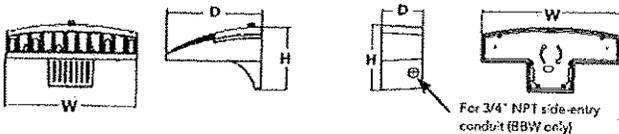
d"series

Specifications Luminaire

Width:	13-3/4" (34.9 cm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

Back Box (BBW, ELCW)

Width:	13-3/4" (34.9 cm)	BBW Weight:	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	ELCW Weight:	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Catalog Number
Notes
Type

For the full description visit the page to see all dimensions elements

Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options	Other Options	Finish (required)
DSXW1LED	10C 10 LEDs (one engine)	350 350 mA 530 530 mA	30K 3000 K 40K 4000 K	T2S Type II Short	MVOLT ¹ 120 ¹	Shipped Included (black) Surface mounting bracket	Shipped Installed PE Photodiode cell, button type ⁴	Shipped Installed SF Single fuse (120, 277 or 347V) ⁷	DDBTXD Dark bronze
	20C 20 LEDs (two engines)	700 700 mA 1000 1000 mA (1 A)	50K 5000 K AMBPC Amber phosphor converted	T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFIM Forward Throw Medium ASYDF Asymmetric diffuse	208 ¹ 240 ¹ 277 ¹ 347 ² 480 ²				
							ELCW Emergency battery backup (includes external component enclosure) ⁹	Shipped separately BSW Bird-deterrent spikes WG Wire guard VG Vandal guard DDL D-fused drop lens	

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- 2 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- 3 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- 4 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- 5 PIR specifies the Sensor Switch SBGR-10-ODP control; PIRH specifies the Sensor Switch SBGR-6-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocontrol). Dimming driver standard. Not available with 20 LED/1000 mA configuration (DSXW1 LED 20C 1000).
- 6 Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
- 7 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option. Not available with ELCW.
- 8 Also available as a separate accessory; see Accessories information.
- 9 See the electrical section on page 3 for more details.

Accessories

Ordered and shipped separately.

DSXWNS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXWVG U	Wire guard accessory
DSXWVG U	Vandal guard accessory



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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.98

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	108V	240V	277V	347V	480V
10C	350	14W	0.13	0.07	0.06	0.06	-	-
	530	20W	0.19	0.11	0.09	0.08	-	-
	700	27W	0.25	0.16	0.13	0.11	-	-
	1000	40W	0.37	0.21	0.19	0.16	-	-
20C	350	25W	0.23	0.13	0.12	0.10	-	-
	530	36W	0.33	0.19	0.17	0.14	-	-
	700	47W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	75W	0.69	0.40	0.35	0.30	0.23	0.17

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW1 LED 20C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-60-08 and projected per IESNA TM-21-11).

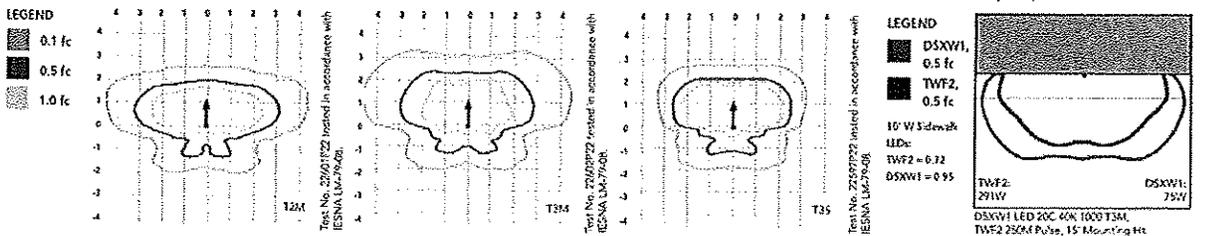
To calculate LM, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

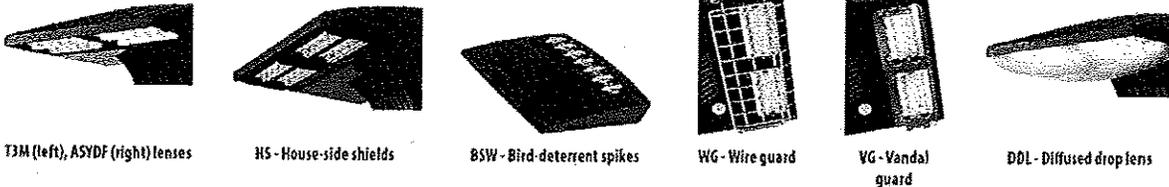
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

Isocandela plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Options and Accessories



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (60 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficiency LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L80/100,000 hrs at 25°C). Class 1 electronic drivers have a

power factor >90%, THD <20%, and a minimum 2.5kV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.



Submitted by: VISIBLELIGHT <small>MANUFACTURED REPRESENTATIVE</small>	Job Name: AUGUSTA FIRE STATION-EXTERIOR <i>Flag pole light - Mounted on Building</i>	Catalog Number: DSXF1	Type: <i>JA</i>
--	--	--------------------------	--------------------



d-series

D-Series Size 1 LED Flood Luminaire



Catalog Number
Notes
Type

Get the full range of products visit www.visiblelight.com

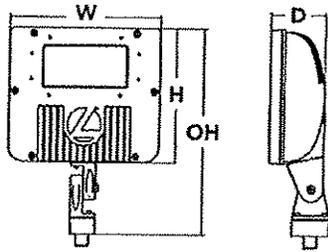
Introduction

The D-Series Size 1 Flood features precision optics to beautifully illuminate a variety of applications while its sleek, compact styling blends seamlessly with the environment.

The D-Series Flood reflector systems and cutting-edge chip-on-board LED technology produce low field-to-beam ratios for minimal spill light and incredible photometric performance. It's the ideal long-life replacement for 50 - 150W metal halide floods, with typical energy savings of 72% and expected service life of over 100,000 hours.

Specifications

EPA:	0.6 ft ² (0.05 m ²)
Depth:	3-1/8" (8.0 cm)
Width:	8-7/8" (22.4 cm)
Height:	7-3/4" (19.8 cm)
Overall Height:	12" (30.5 cm)
Weight:	7.2 lbs (3.3 kg)



Ordering Information

EXAMPLE: DSXF1 LED 2 A530/40K MSP MVOLT THK DDBXD

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options	Finish/Accessories
DSXF1 LED	1 One COB engine 2 Two COB engines	530 mA options: A530/30K 3000K A530/40K 4000K A530/50K 5000K	NSP Narrow spot MSP Medium spot MFL Medium flood FL Flood WFL Wide flood WFR Wide flood, rectangular HMF Horizontal flood	MVOLT ¹ 120 ¹ 208 ¹ 240 ¹ 277 ¹	Shipped Included THK Knuckle with 1/2" NPS threaded pipe IS Integral slip fitter (fits 2-3/8" O.D. teron) Shipped separately? DSXF1/2IS Teron slip fitter (2-3/8" O.D. THK required)	Shipped Installed PE Photocontrol, button style ³ SF Single fuse (120, 277V) ⁴ Shipped separately? UBV Upper/bottom visor (universal) FV Full visor VG Vandal guard	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White

Stock configurations are offered for shorter lead times:

Order Part Number	Stock Part Number
DSXF1 LED 1 A530/40K WFL MVOLT THK DDBXD	DSXF1 LED 1 40K
DSXF1 LED 1 A530/50K WFL MVOLT THK DDBXD	DSXF1 LED 1 50K
DSXF1 LED 2 A530/40K WFL MVOLT THK DDBXD	DSXF1 LED 2 40K
DSXF1 LED 2 A530/50K WFL MVOLT THK DDBXD	DSXF1 LED 2 50K

Accessories

Ordered and shipped separately

DSXF1/IS DDBXD U	Slip fitter for 1-1/4" to 2-1/8" O.D. teron, uses with 1/2" threaded rod (not by itself)
ISFB DDBXD U	Flat base bracket, 2-3/8" O.D. teron (not by itself)
ISPB DDBXD U	Steel square pole bracket, 2-1/8" O.D. teron (not by itself)
DSXF1UBV DDBXD U	Upper/bottom visor (universal) (specify finish)
DSXF1FV DDBXD U	Full visor (specify finish)
DSXF1VG U	Vandal guard (specify finish)

For more mounting options, visit our www.visiblelight.com website.

NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF option) or photocontrol (PE).
- Also available as separate accessories; see Accessories information at left.
- Photocontrol (PE) requires 120, 208, 240 or 277 voltage option.
- Single fuse (SF) requires 120 or 277 voltage option.



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Submitted by:	Job Name:	Catalog Number:	Type:
 VISIBLE LIGHT <small>MANUFACTURED BY LITHONIA</small>			JA

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 Hood reflects the embedded high performance LED technology. It is ideal for landscape, signage and accent lighting in many commercial and residential applications.

CONSTRUCTION

Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.6 ft) for optimized wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior field-to-beam ratios, uniformity and spacing. Light engines are available in 3000K (70 CRI min), 4000K (70 CRI min) or 5000K (70 CRI min) configurations. Optional visors offer additional versatility.

ELECTRICAL

Light engine(s) consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs, L80). Single-engine unit uses a Class 2 electronic driver, dual-engine unit uses a Class 1 electronic driver. Both drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours. Surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Integral adjustable knuckle with 1/2-14NPS threaded pipe, tenon slipfitter, or integral slipfitter, facilitates quick and easy installation to a variety of mounting accessories. This secure connection enables the D-Series Size 1 to withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com. Customer service phone and conditions apply.

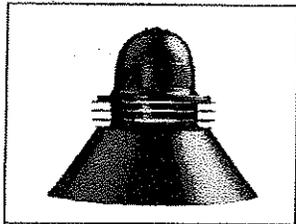
Note: Specifications subject to change without notice.



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DSXF1-LED
 Rev. 10/02/14

over garage doors



GALLERY 1970LED

The 1970LED Gallery series is large scale, decorative downlight fixture with a spun aluminum shade. The dome is available with two types of shades: straight (S) and flared (F) styles. The luminaire shall measure 24" outside diameter and 16 3/8" overall height. The luminaire shall have a hinged door for tool-less driver and LED access. The luminaire shall be supplied with the line-ground, line neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. The luminaire shall be U.L. or E.T.L. listed in U.S. and Canada.



SternbergLighting
ESTABLISHED 1923 / EMPLOYEE OWNED

PROJECT: _____

TYPE: GA

ORDERING EXAMPLE: 1A-1970LED-FGW-EZ-FG-6ARC35T2-F-MDH03-R-HSS-FHD/UBKT

MOUNT CON-FIG.	SERIES Large Scale Downlight		GLOW RINGS ¹	MOUNT OPTIONS	LENS	NO. OF LEDES	COLOR TEMP K	DISTR. TYPE	DISTR. ORIENT.	DRIVER	CONTROLS	HOUSE SIDE SHIELD	DUAL FUSE & HOLDER	OPTIONAL FINAL ^{1,2}	COLOR	
	1970LED-S BF	1970LED-S GW ³													UBKT	BK
1A	1970LED-F BF	1970LED-F GW ³	GREEN	HS-H	SG	6ARC	35(00) K	T2	F	MDL03		HSS	FHD	B	UBT	WH
2A	1970LED-S BT	1970LED-S HW ³	RED	HS-C	FSG	6ARC	45(00) K	T3R	L		R1 ⁴			S	ULBT	PG
2A90	1970LED-F BT	1970LED-F HW ³	CLEAR	SH-44	SV1 ⁴	4ARC		T4	S		PEC				USLT	ABZ
3A	1970LED-S CW ³	1970LED-S BTR		CH-44	SV2 ⁴			T5							UWHT	DB
3A90	1970LED-F CW ³	1970LED-F BTR													UCHS	OI
4A	1970LED-S GR ³	1970LED-S GTR ³													UBK	RT
	1970LED-F GR ³	1970LED-F GTR ³													UB	WBR
															ULB	GD
															USL	WBK
															UWH	TT
															BKT	VG
															WHT	SI
															PGT	OWGT
															ABZT	
															DBT	

¹Only available with HS-H and HS-C mounting. ²Not available with Twist-lock photocell. ³Illuminated LED glow option. ⁴Only available with 1970LED-S GR and 1970LED-F GR.

Product Specs

Optical

- IP65 rated. BUG rating of U-0.
- Utilizes high output, high brightness LEDs.
- Operates at -40°C (-40°F) to +50°C (122°F) ambient air temperature range.
- Minimum CRI of 70, CCT 2700, 3500, and 4500K. Call factory for other CCT.
- LM-79 and LM-80 tests in accordance with IESNA standards.
- Lumen depreciation rating L70 > 200,000 hrs. Projected per TM-21 guideline and based on 350mA drive current.
- RoHS Compliant.

Electrical

- 120-277 volt standard and 347-480 volt option available.
- Minimum drivers power factor: >0.9.
- Electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines (10kV).
- UL or ETL listed in U.S. and Canada.

Colors

- Illuminated LED glow options are provided with 12 LEDs in the upper housing and will increase system wattage 12W.⁵

⁵Will contribute uplight and will be a BUG rating of U-1.

Mechanical

- A large scale decorative downlight fixture. The housing is a spun aluminum bell shade attached to a cast aluminum top.
- The luminaire shall be supplied with an aluminum door frame and lens with tool-less access.
- The fixture is offered with many different hang/straight mounting options to accommodate a variety of installations. See mounting options section.
- Luminaire housing is IP65 rated (BF version only).

Controls

- Optional Twist-lock receptacle only R1.
- Optional Twist-lock receptacle with photocell R1⁴.
- Optional electronic button photocell: PEC (120-277V).⁶

⁶Eliminates IP rating fixture.

Finish

- Durable, color retentive powder coat finish.

Warranty & Standards

LED Systems and Drivers - 7 years. All fixtures shall

be free from all defects in materials and workmanship for a period of 7 years from the date of manufacture. The luminaire manufacturer shall warrant the LED boards/system, during the stated warranty period, against failure defined as more than 10 percent of non-operating LEDs.

Drivers

(0-10V dimming):

MDL03: 350mA, 120-277V MDH03: 350mA, 347-480V

Lens:

- FG - Clear Flat Glass Lens
- SG - Clear Sag Glass Lens
- FSG - Frosted Sag Glass Lens

Soft Vue (coming September 2014):

- SV1* - Flat Medium Diffuse Acrylic Lens
- SV2** - Flat Heavy Diffuse Acrylic Lens

* Provides moderate reduction in Brightness while only a minimal reduction in lumen output.

** Provides maximum reduction in Brightness while only a nominal reduction in lumen output. Consult photometric files for exact lumen performance.

Urbanline Finishes

- UBKT - Urban Black Textured
- UBT - Urban Bronze Textured
- ULBT - Urban Light Bronze Textured
- USLT - Urban Silver Textured
- UWHT - Urban White Textured

UCHS - Urban Champagne Satin Smooth

- UBK - Urban Black Matte
- UB - Urban Bronze Matte
- ULB - Urban Light Bronze Matte
- USL - Urban Silver Matte
- UWH - Urban White Matte

Standard Finishes

- BKT - Black Textured
- BK - Black
- WHT - White Textured
- WH - White
- PGT - Park Green Textured
- PG - Park Green
- ABZT - Architectural Medium Bronze Textured

ABZ - Architectural Medium Bronze

- DBT - Dark Bronze Textured
- DB - Dark Bronze
- Custom Finishes
- OI - Old Iron
- RT - Rust
- WBR - Weathered Brown

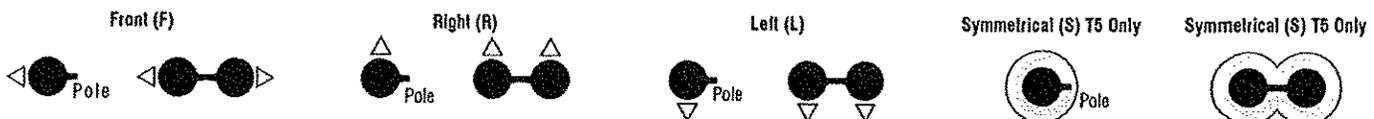
CD - Cedar

- WBK - Weathered Black
- TT - Two Tone

Sternberg Select Finishes

- VG - Verde Green
- SI - Swedish Iron
- OWGT - Old World Gray Textured

Distribution Orientation

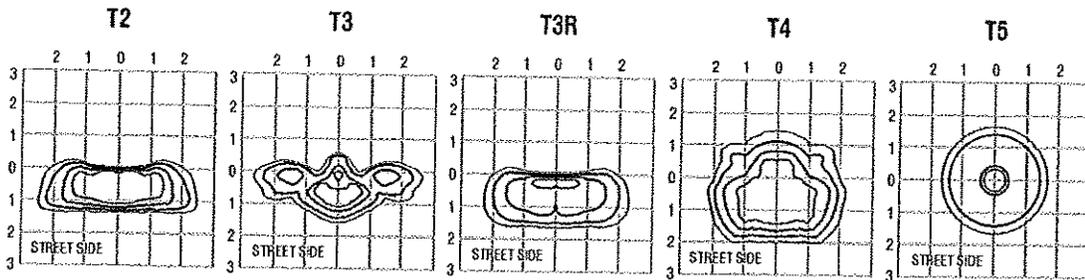


GA

Performance (Based on FG Lens)

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T3R DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
4ARC27	4905	74.3	4575	69.3	4940	74.8	4810	72.9	4740	71.8	66
4ARC35	5595	84.8	5220	79.1	5630	85.3	5480	83.0	5405	81.9	66
4ARC45	5965	90.4	5560	84.2	6000	90.9	5840	88.5	5760	87.3	66
6ARC27	7105	73.2	6760	69.7	6895	71.1	6770	69.8	6725	69.3	97
6ARC35	8105	83.6	7705	79.4	7865	81.1	7720	79.6	7670	79.1	97
6ARC45	8635	89.0	8215	84.7	8380	86.4	8230	84.8	8170	84.2	97
8ARC27	9465	74.5	9085	71.5	9230	72.1	9055	71.3	8870	69.8	127
8ARC35	10790	85.0	10360	81.6	10525	82.9	10325	81.3	10115	79.6	127
8ARC45	11500	90.6	11040	86.9	11215	88.3	11000	86.6	10780	84.9	127
10ARC27	11530	72.1	11105	69.4	11330	70.8	11080	69.3	10965	68.5	160
10ARC35	13145	82.2	12665	79.2	12920	80.8	12635	79.0	12505	78.2	160
10ARC45	14010	87.6	13495	84.3	13770	86.1	13465	84.2	13325	83.3	160

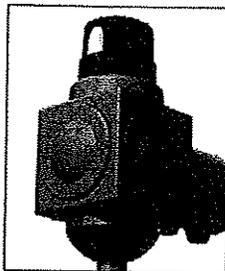
ISO Footcandle Plots



All published luminaire photometric testing performed to IESNA LM-79 standards by NVLAP, certified laboratory. ISO footcandle plots demonstrate the GALLERY 1970LED light patterns only. Not for total fixture output. For complete specifications and IES files, see website.

Other Options

Twist-lock receptacle with photocell

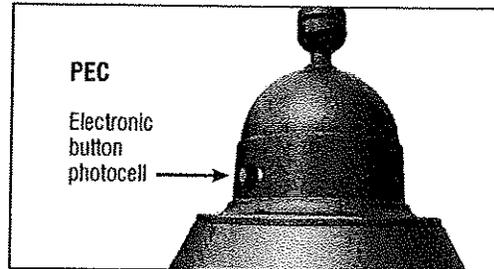


R1



PEC

Electronic button photocell



Under front entry canopy

ANTIQUE STREET LAMPS

EML17 LED MUNICH PENDANT

CATALOG #

PROJECT

60

TYPE



This European shaped pendant or wall mount luminaire consists of a driver housing and skirt with an internal light engine with a choice of two lens options.

- Choice of a flat or sag glass lens
- Stainless steel hardware
- Driver and Light engine assembly mount on a removable assembly plate and are furnished with quick-disconnect plugs for ease of installation and maintenance
- CSA listed and labeled as suitable for wet locations
- TGIC powder coat finish
- Mounts via swivel nipple to the Urban 4" or 5" diameter arms (specify PNIP3 option when ordering 5" arm); see arm specification sheets for details on mounting options.



Max EPA: 0.86 sq feet
Max Height: 19-1/2" (49.5cm)
Max Width: 17" (43.2cm)
Max Weight: 45 lbs (20.4 kg)
Listing: CSA listed for wet locations

Sample Catalog number:

EML17	ST	49LED 350MA	3K	GCF	MVOLT	R3	SF	DBL
Fixture	Base	Source & Wattage	Color Temp	Lens Option	Voltage	Distrib.	Options	Finish

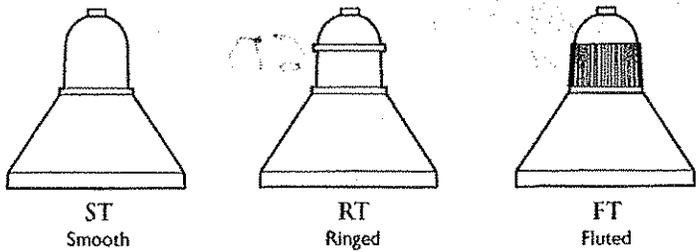
Ordering Guide:

Fixture	Base	Source & Wattage	Color Temp	Lens Option	Voltage	Distribution	Options	Finish
EML17	ST RT FT	49LED 350MA 49LED 525MA 63LED 350MA 63LED 525MA	3K 4K 5K	GCF GCSG	MVOLT 120 208 240 277 347 480	R2 R3 R4 R5	SF DF SPD	DBL DDB DNA DWH CS CM ANBK ANDB ANDG ANVG

Data is considered accurate as of the revision date shown. Antique Street Lamps reserves the right to modify specifications without notice.

EML17 LED

BASE

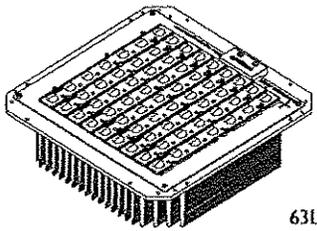


SELECT YOUR OPTIONS FROM

- ST Smooth Ballast Housing
- RT Ringed Ballast Housing
- FT Fluted Ballast Housing

Notes:
Must select ST, RT, or FT style; optional IDS feature can be specified in addition to any selection (ex: EHL16 GCF ST IDS)

SOURCE AND WATTAGE



63LED light engine module

SELECT YOUR CHOICE FROM

- 49LED 350MA 49 chips, 350 mA
- 49LED 525MA 49 chips, 525 mA
- 63LED 350MA 63 chips, 350 mA
- 63LED 525MA 63 chips, 525 mA

Performance Package	Lens Type	Dist.	Input Watts	3000K CCT (opt)			4000K CCT (opt)			5000K CCT (opt)			L70 Lf ₈₀ (hrs) @ 25°C
				Delivered Lumens	Efficacy (LPW)	CRI	Delivered Lumens	Efficacy (LPW)	CRI	Delivered Lumens	Efficacy (LPW)	CRI	
63LED 350mA	GCSG	R3	72.7	6421	88.32	66	6421	88.32	66	6421	88.32	66	70000
		R4	72.5	6272	86.51	66	6272	86.51	66	6272	86.51	66	70000
		R5	72.4	6657	91.95	66	6657	91.95	66	6657	91.95	66	70000

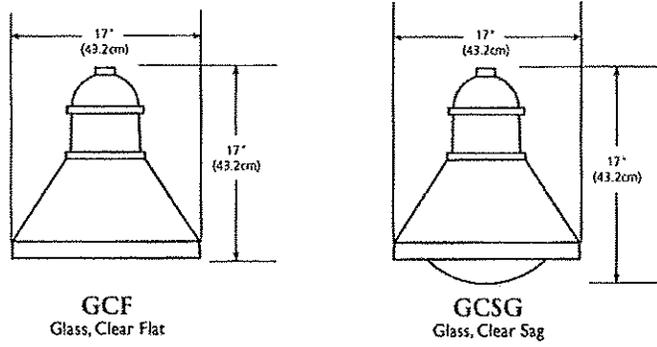
Data is considered accurate as of the revision date, shown in the highest operating temperature available. Antique Street Lamps reserves the right to modify specifications without notice.

COLOR TEMP

SELECT YOUR OPTIONS FROM

- 3K 3000K
- 4K 4000K
- 5K 5000K

LENS OPTION



SELECT YOUR OPTIONS FROM

- GCF Glass, Clear Flat (Standard)
- GCSG Glass, Clear Sag



Notes:
Nighttime Friendly™ distributions available with GCF lens only.

EML17 LED

VOLTAGE

SELECT YOUR OPTIONS FROM

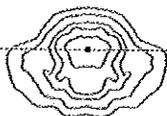
- MVOLT MVOLT
- 120 120V
- 208 208V
- 240 240V
- 277 277V
- 347 347V
- 480 480V

DISTRIBUTION

House Side
Street Side



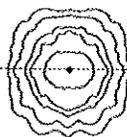
R2
Type II
Distributes light slightly ahead of luminaire location with significant lateral spread.



R3
Type III
Provides light farther ahead of the luminaire than a Type II pattern but maintains a significant lateral spread.



R4
Type IV
Sharp Cutoff
Distributes light almost exclusively forward with an emphasis on eliminating light trespass and spill light behind the pole.



R5
Type V
Provides improved uniformity with a variance of the Type V distribution with a slightly square pattern compared to the regular Type V.

SELECT YOUR OPTIONS FROM

- R2 Type II
- R3 Type III
- R4 Type IV
- R5 Type V

OPTIONS

SELECT YOUR OPTIONS FROM

(Fuse Not Included)

- SF Single Fuse
- DF Double Fuse
- SPD Surge Protection Device

FINISH

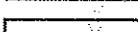
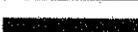
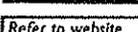
The luminaire has a powder coat finish utilizing a premium TGIC polyester powder. The finish is a three-stage process which consists of drying, powder application and curing. Before coating, the parts are treated with a five-stage pretreatment process, consisting of a heated alkaline cleaner, rinse, phosphate coating, rinse and sealant.

For a complete listing of colors, visit:
www.acuitybrandslighting.com/architecturalcolors

Notes:
* Consult factory for CM option.

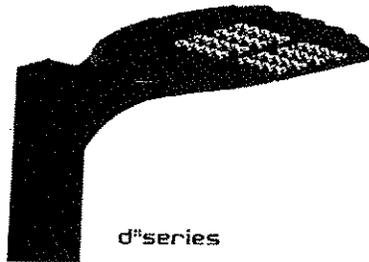
Data is considered accurate as of the revision date shown.
Antique Street Lamps reserves the right to modify specifications without notice.

SELECT YOUR OPTIONS FROM

- DBL Black 
- DDB Dark Bronze 
- DNA Natural Aluminum 
- DWH White 
- CS Custom Select (RAL colors)
- CM Custom Match
- ANBK ASL Black 
- ANDB ASL Dark Bronze 
- ANDG ASL Dark Green 
- ANVG ASL Verde Green 

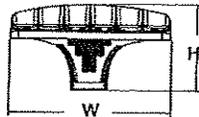
Refer to website

Submitted by:	Job Name:	Catalog Number:	Type:
 VISIBLELIGHT MANUFACTURER REPRESENTATIVE	AUGUSTA FIRE STATION-EXTERIOR <i>Parking Light</i> & pole light	DSX0	7



d-series

D-Series Size 0 LED Area Luminaire



Specifications

EPA:	0.8 ft ² (0.7 m ²)
Length:	26" (660 mm)
Width:	13" (330 mm)
Height:	7" (178 mm)
Weight (max):	16 lbs (7.25 kg)

Catalog Number	
Notes	
Typ	

For the full range of options, please refer to the product literature.

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Drive current	Color Temperature	Distribution	Voltage	Mounting	
DSX0 LED	Forward optics	530 530 mA	30K 3000K	T15 Type I short	TFTM Forward throw medium	MVOLT*	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adapter† RPUMBA Round pole universal mounting adapter† Shipped separately † KMAB DDBXD U Mast arm mounting bracket adaptor (specify finish)
	20C 20 LEDs (one engine)	700 700 mA	40K 4000K	T25 Type II short		120*	
	40C 40 LEDs (two engines)	1000 1000 mA (1 A)†	50K 5000K	T2M Type II medium	TSV5 Type V very short	208*	
	Rotated optics‡		AMBPC Amber phosphor converted‡	T35 Type III short	T55 Type V short	240*	
	30C 30 LEDs (one engine)			T3M Type III medium	T5M Type V medium	277*	
				T4M Type IV medium	TSW Type V wide	347‡	
						480‡	

Control options

Control options	Other options	Finish
Shipped installed PER NEMA twist-lock receptacle only (no controls) † PER5 Five-wire receptacle only (no controls) † PER7 Seven-wire receptacle only (no controls) † DMG 0-10V dimming driver (no controls) ‡ DCR Dimmable and controllable via ROAM® (no controls) † PIR Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1k ‡ PIRH Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5k ‡	Shipped installed HS House-side shield † SF Single fuse (120, 277, 347V) † DF Double fuse (208, 240, 480V) † L90 Left rotated optics † R90 Right rotated optics † DDL Diffused drop lens †	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Controls & Shields

DL127F 1.5 RJ	PhotoCell - 5ft twist-lock (120-277V) †
DL137F 1.5 QUL RJ	PhotoCell - 5ft twist-lock (347V) †
DL148F 1.5 QUL RJ	PhotoCell - 5ft twist-lock (480V) †
SCU	Starting cap †
OS20S 20C U	House-side shield for 20 LED unit †
OS20S 30C U	House-side shield for 30 LED unit †
OS20S 40C U	House-side shield for 40 LED unit †
DSX0DL U	Diffused drop lens (polycarbonate) †
FLV3KA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMAB DDBXD U	Mast arm mounting bracket adaptor (specify finish) †

NOTES

- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
- 1000mA not available with AMBPC.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (20C, 30C or 30C 530). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U, 1.5 G (vibration load rating per ANECI C136-31).
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- PhotoCell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
- If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.

- Specifies a ROAM® enabled luminaire with 0-10V dimming capability. PER option required. Additional hardware and services required for ROAM® deployment, must be purchased separately. Call 1-800-242-6745 or email sales@acuitybrands.net. N/A with PER5, PER7, BL30, BL50 or PNMT options.
- PIR and PIRHFC3V specify the SensorSwitch SEGR-16-GDP control. PIRH and PIRHFC3V specify the SensorSwitch SEGR-6-GDP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Requires an additional switched circuit.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Accessories

Ordered and shipped separately.

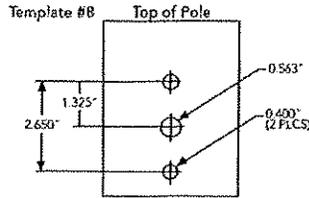
For more control options, visit www.lithonia.com and www.acuitybrands.com online.



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DSX0-LED
 Rev. 10/27/15
 Page 1 of 4

Drilling



DSX0 shares a unique drilling pattern with the ALPIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90°*
DM28AS	2 at 180°	DM39AS	3 at 90°**
DM49AS	4 at 90°**	DM12AS	3 at 120°**

Example: SSA 20 4C DM19AS (DSX0)

Visit Lithonia Lighting's website for more information on pole accessories and electrical loads.
 *Fixed pole top must be 3.25' or minimum.
 **For fixed pole mounting only.

Tenon Mounting Slipfitter**

Platform	Slipfitter	2 x 1 1/2"	2 x 2"	2 x 2 1/2"	2 x 3"	2 x 3 1/2"	4"
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490	
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490	
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490	

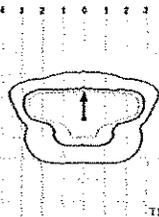
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area homepage.

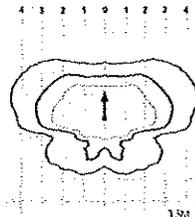
Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (Z0).

LEGEND

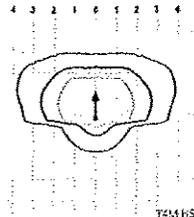
	0.1 fc
	0.5 fc
	1.0 fc



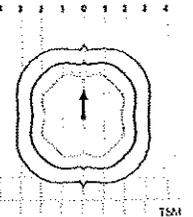
Test No. LT122051925 tested in accordance with IESNA LM-79-09.



Test No. LT122051925 tested in accordance with IESNA LM-79-09.



Test No. LT122051925 tested in accordance with IESNA LM-79-09.



Test No. LT122051925 tested in accordance with IESNA LM-79-09.

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40C (32-104F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Platform	Power (W)	Power (VA)	Current (A)					
			120	108	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	-	-
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.35	0.35	0.26
30C	530	52	0.51	0.31	0.28	0.25	-	-
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.13	0.64	0.56	0.49	0.42	0.31
40C	530	68	0.71	0.41	0.35	0.33	0.23	0.19
	700	91	0.94	0.55	0.48	0.42	0.31	0.24
	1000	138	1.43	0.81	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor		DSX0 LED 40C 1000		
	1	0.98	0.96	0.93
		DSX0 LED 40K 1000		
	1	0.98	0.95	0.90
	DSX0 LED 40C 760			
1	0.99	0.99	0.99	



Performance Data

L90 and R90 Rated Optics																											
Type	Dish Cutoff (ft)	System Watts	Dist Type	4000K (4000K/4000K)						5000K (5000K/5000K)						6000K (6000K/6000K)						AMPC (Amps/Phase/Conductor)					
				CR	THD	PF	THD	PF	THD	PF	THD	PF	THD	PF	THD	PF	THD	PF	THD	PF	THD	PF					
30C (30 LEDs)	530mA	52W	T1S	6.130	2	0	2	118	6.383	2	0	2	127	6.624	2	0	2	127	3.841	2	0	2	74				
			T2S	6.321	2	0	2	122	6.787	2	0	2	131	6.830	3	0	3	131	3.912	2	0	2	75				
			T2M	6.176	2	0	2	119	6.632	3	0	3	128	6.673	3	0	3	128	3.837	2	0	2	74				
			T3S	6.168	2	0	2	119	6.624	3	0	3	127	6.665	3	0	3	128	3.865	2	0	2	74				
			T3M	6.224	3	0	3	120	6.684	3	0	3	129	6.726	3	0	3	129	3.904	2	0	2	75				
			T4M	6.309	3	0	3	121	6.775	3	0	3	130	6.817	3	0	3	131	3.834	2	0	2	75				
			T13M	6.215	3	0	3	120	6.673	3	0	3	128	6.715	3	0	3	129	3.839	2	0	2	74				
			TS1S	6.565	2	0	0	126	7.050	2	0	0	136	7.094	2	0	0	136	4.005	2	0	0	77				
			T5S	6.613	2	0	0	127	7.102	2	0	0	137	7.145	2	0	0	137	4.065	2	0	0	78				
			T5M	6.625	3	0	1	127	7.114	3	0	1	137	7.159	3	0	1	138	4.017	2	0	1	77				
			T5W	6.528	3	0	1	126	7.030	3	0	2	135	7.054	3	0	2	136	4.025	3	0	1	77				
			700mA	70W	T1S	7.785	2	0	2	111	8.361	3	0	3	119	8.413	3	0	3	120	4.783	2	0	2	68		
	T2S	8.028			2	0	2	115	8.620	3	0	3	123	8.674	3	0	3	124	4.873	2	0	2	70				
	T2M	7.844			3	0	3	112	8.423	3	0	3	120	8.476	3	0	3	121	4.779	2	0	2	68				
	T3S	7.834			3	0	3	112	8.413	3	0	3	120	8.465	3	0	3	121	4.815	2	0	2	69				
	T3M	7.905			3	0	3	113	8.489	3	0	3	121	8.542	3	0	3	122	4.862	3	0	3	69				
	T4M	8.013			3	0	3	114	8.604	3	0	3	123	8.658	3	0	3	124	4.837	3	0	3	69				
	T13M	7.893			3	0	3	113	8.426	3	0	3	121	8.529	3	0	3	122	4.781	3	0	3	68				
	TS1S	8.338			2	0	0	119	8.954	3	0	0	128	9.010	3	0	0	129	4.988	2	0	0	71				
	T5S	8.600			2	0	0	120	9.020	3	0	1	129	9.076	3	0	1	130	5.063	2	0	0	72				
	T5M	8.414			3	0	1	120	9.026	3	0	2	129	9.092	3	0	2	130	5.063	3	0	1	71				
	T5W	8.291			3	0	2	118	8.803	3	0	2	127	8.959	3	0	2	128	5.013	3	0	1	72				
	1000mA	104W			T1S	10.648	3	0	3	102	11.434	3	0	3	110	11.506	3	0	3	111							
			T2S	10.979	3	0	3	106	11.789	3	0	3	111	11.863	3	0	3	114									
			T2M	10.727	3	0	3	103	11.519	3	0	3	111	11.591	3	0	3	111									
			T3S	10.714	3	0	3	103	11.505	3	0	3	111	11.577	3	0	3	111									
			T3M	10.812	3	0	3	104	11.610	4	0	4	112	11.682	4	0	4	112									
			T4M	10.958	3	0	3	105	11.767	3	0	3	113	11.841	3	0	3	114									
			T13M	10.795	3	0	3	104	11.592	3	0	3	111	11.664	4	0	4	112									
			TS1S	11.404	3	0	0	110	12.245	3	0	1	118	12.322	3	0	1	118									
			T5S	11.487	3	0	1	110	12.336	3	0	1	119	12.413	3	0	1	119									
			T5M	11.508	3	0	2	111	12.357	4	0	2	119	12.434	4	0	2	120									
			T5W	11.339	4	0	2	109	12.176	4	0	2	117	12.252	4	0	2	118									

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L90/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated, luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492.5. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at www.designlights.org/Products/Support/SupportFiles/WarrantyTerms.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



City of Augusta, Maine
DEPARTMENT OF DEVELOPMENT SERVICES

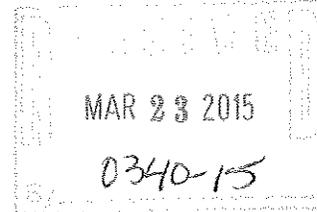
AUGUSTA STATE AIRPORT
CODE ENFORCEMENT
ECONOMIC DEVELOPMENT



ENGINEERING
FACILITIES & SYSTEMS
PLANNING

March 19, 2015

Kirk F. Mohney
Maine Historic Preservation Commission
65 State House Station
Augusta, Maine 04333-0065



**RE: City of Augusta
Leighton Road
Tax Map 5, Lot 109**

Dear Mr. Mohney,

The City of Augusta owns a parcel of land off the Leighton Road in Augusta. It is identified as Tax Map 5, Lot 109, is approximately 28.7 acres, and is located on the west side of the road. I have enclosed a map for reference. The City proposes to construct a fire station on the parcel.

Would you please comment on whether there are any significant historic, architectural, or archeological resources on the project site?

Please let me know if you have any questions. Thank you for your assistance.

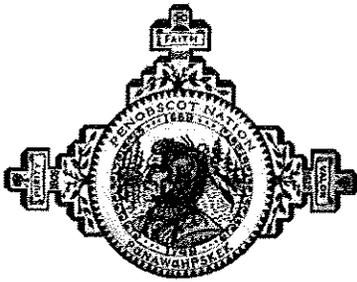
Sincerely,

Susan Redmond
Assistant Planner

Based on the information submitted, I have concluded that there will be no historic properties affected by the proposed undertaking, as defined by Section 106 of the National Historic Preservation Act. Consequently, pursuant to 36 CFR 800.4(d)(1), no further Section 106 consultation is required unless additional resources are discovered during project implementation pursuant to 36 CFR 800.13.

Kirk F. Mohney,
Deputy State Historic Preservation Officer
Maine Historic Preservation Commission

3/26/15
Date



PENOBSCOT NATION
CULTURAL & HISTORIC PRESERVATION DEPARTMENT
12 WABANAKI WAY, INDIAN ISLAND, ME 04468
CHRIS SOCKALEXIS – TRIBAL HISTORIC PRESERVATION OFFICER
E-MAIL: chris.sockalexis@penobscotnation.org FAX: 207-817-7450

NAME	Susan Redmond
ADDRESS	City of Augusta, Maine Department of Development Services 16 Cony Street Augusta, ME 04330
OWNER'S NAME	City of Augusta
TELEPHONE	(207) 626-2365
FAX	(207) 626-2520
EMAIL	susan.redmond@augustamaine.gov
PROJECT NAME	Construction of a fire station, parking lot and access road
PROJECT SITE	Augusta, ME
DATE OF REQUEST	June 26, 2015
DATE REVIEWED	July 17, 2015

Thank you for the opportunity to comment on the above referenced project. This project appears to have no impact on a structure or site of historic, architectural or archaeological significance to the Penobscot Nation as defined by the National Historic Preservation Act of 1966, as amended.

If Native American cultural materials are encountered during the course of the project, please contact my office at (207) 817-7471. Thank you for consulting with the Penobscot Nation on this project.

CHRIS SOCKALEXIS, THPO
Penobscot Nation



PAUL R. LEPAGE
GOVERNOR

STATE OF MAINE
DEPARTMENT OF
INLAND FISHERIES & WILDLIFE
284 STATE STREET
41 STATE HOUSE STATION
AUGUSTA ME 04333-0041

CHANDLER E. WOODCOCK
COMMISSIONER

March 25, 2015

Susan Redmond
City of Augusta
Department of Development Services
16 Cony Street
Augusta, ME 04330

RE: Information Request - Leighton Road Fire Station, Augusta

Dear Susan:

Per your request received March 24, 2015, we have reviewed current Maine Department of Inland Fisheries and Wildlife (MDIFW) information for known locations of Endangered, Threatened, and Special Concern species; designated Essential and Significant Wildlife Habitats; and fisheries habitat concerns within the vicinity of the *Leighton Road Fire Station Project* in Augusta.

Our information indicates no locations of Endangered, Threatened, or Special Concern species within the project area. Additionally, our Department has not mapped any Essential Habitats that would be directly affected by your project.

Significant Wildlife Habitat

At this time, MDIFW Significant Wildlife Habitat (SWH) maps indicate no known presence of SWHs within the project area, which include Waterfowl and Wading Bird Habitats, Deer Wintering Areas, Seabird Nesting Islands, Shorebird Areas, and Significant Vernal Pools. However, a comprehensive statewide inventory for Significant Vernal Pools has not been completed. Therefore, surveys for vernal pools will need to be conducted within the forested areas of the project boundary prior to final project design to determine whether there are Significant Vernal Pools, or the critical terrestrial habitat from any adjacent pools, present in the area. Once surveys are completed, our Department will need to verify vernal pool data sheets prior to final determination of significance.

Fisheries Habitat

Without details, it is difficult to know what impacts your project may have on the mapped streams within the search area. That being said, MDIFW makes the following general recommendations as they pertain to streams.

We recommend that a 100-foot undisturbed vegetated buffer be maintained along these streams. Buffers should be measured from the edge of stream or associated fringe and floodplain wetlands. Maintaining buffers along coldwater fisheries is critical to the protection of water temperatures, water quality, and

Letter to City of Augusta
Comments RE: Augusta, Leighton Road Fire Station
March 24, 2015

inputs of coarse woody debris necessary to support conditions required by brook trout. If a stream crossing is necessary, or an existing crossing needs to be modified, it should be designed to provide adequate fish passage. Small streams, including intermittent streams, can provide crucial rearing habitat, cold water for thermal refugia, and abundant food for juvenile salmonids on a seasonal basis and undersized crossings may inhibit these functions. Generally, MDIFW recommends that all new, modified, and replacement stream crossings be sized to span 1.2 times the bankfull width of the stream. In addition, we generally recommend that stream crossings be open bottomed (i.e. natural bottom), although embedded structures which are backfilled with representative streambed material have been shown to be effective in not only providing habitat connectivity for fish but also for other aquatic organisms. We encourage you to contact our Region B Fisheries staff (207-547-5316) for crossing design recommendations that best maintain fish passage. Construction Best Management Practices should be closely followed to avoid erosion, sedimentation, alteration of stream flow, and other impacts to stream habitat. In addition, we recommend that any necessary instream work or work within 100 feet of streams occur between July 15 and October 1.

This consultation review has been conducted specifically for known MDIFW jurisdictional features and should not be interpreted as a comprehensive review for the presence of other regulated features that may occur in this area. Prior to the start of any future site disturbance we recommend additional consultation with the municipality, and other state resource agencies including the Maine Natural Areas Program and Maine Department of Environmental Protection in order to avoid unintended protected resource disturbance.

Please feel free to contact my office if you have any questions regarding this information, or if I can be of any further assistance.

Best regards,



John Perry
Environmental Review Coordinator

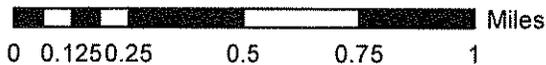


Environmental Review of Fish and Wildlife Observations and Priority Habitats

Project Name: Augusta, Leighton Road Fire Station (Version 1)



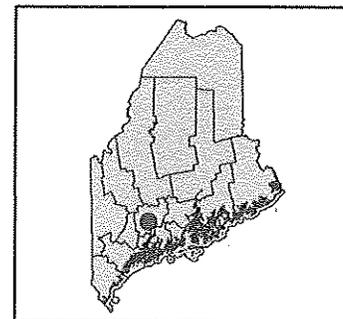
Maine Department of
Inland Fisheries and Wildlife



Projection: UTM, NAD83, Zone 19N

Date: 3/25/2015

ProjectPoints	Deer Winter Area	Roseate Tern
ProjectLines	LURC p-fw	Piping Plover/Least Tern
ProjectPolys	Cooperative DWAs	Aquatic ETSc (2.5 mi review)
ProjectSearchAreas	Seabird Nesting Islands	Rare Mussels (5 mi review)
	Shorebird Areas	Maine Heritage Fish Waters
	Inland Waterfowl/Wading Bird	Arctic Charr Habitat
	Shoreland Zoning_lwwh	E. Brook Trout Joint Venture Subwatershed Classification
	Tidal Waterfowl/Wading Bird	Redfin Pickerel/Swamp Darter Habitats (buffer100ft)
	Significant Vernal Pools	Special Concern-occupied habitats(100ft buffer)
	Environmental Review Polygons	Wild Lake Trout Habitats



MEMORANDUM

Maine Natural Areas Program

17 Elkins Lane
State House Station #93
Augusta, Maine 04333

Date: March 23, 2015
To: Susan Redmond, City of Augusta
From: Don Cameron, Ecologist
Re: Rare and exemplary botanical features, Map 5 Lot 109, Proposed Fire Station, Leighton Road, Augusta, Maine.

I have searched the Natural Areas Program's Biological and Conservation Data System files for rare or unique botanical features in the vicinity of the proposed site in response to your request received March 23, 2015 for our agency's comments on the project.

According to our current information, there are no rare botanical features that will be disturbed within the project site. This finding is available and appropriate for preparation and review of environmental assessments, but it is not a substitute for on-site surveys. Comprehensive field surveys do not exist for all natural areas in Maine, and in the absence of a specific field investigation, the Maine Natural Areas Program cannot provide a definitive statement on the presence or absence of unusual natural features at this site. You may want to have the site inventoried by a qualified field biologist to ensure that no undocumented rare features are inadvertently harmed.

The Natural Areas Program is continuously working to achieve a more comprehensive database of exemplary natural features in Maine. We welcome the contribution of any information collected if a site survey is performed.

Thank you for using the Natural Areas Program in the environmental review process. Please do not hesitate to contact our office if you have further questions about the Natural Areas Program or about rare or unique botanical features at this site.