

Major Application Project Narrative - Addendum

1. Neighborhood Compatibility

(a)(ii) Architectural Design

The Architectural design has taken into consideration that the proposed project will fit into the character of the neighborhood. Please see the photos and architectural elevations included in the original submission which show buildings on some of the surrounding properties, photos of recently completed Kingdom Hall projects and architectural elevations of the proposed building. These items show that the proposed building is compatible with the surrounding neighborhood with regard to height, roof type, finishes, window size and overall scale.

(a)(iv) Identity and Historical Character

The neighborhood has typically supported low rise, small scale development. This includes residential homes, churches, and minor commercial structures. The proposed project is similar in style, scale and character to a typical residential home, albeit slightly larger in length. The submitted photos and architectural elevations show that the proposed building is similar in identity to other structures in the neighborhood. The scale of the building as well as the construction type are similar to that of the surrounding properties. Although the use of this building is for religious services, there will be no steeple or tall spire on the building which will also help it fit in with the identity and character of the neighborhood.

(a)(v) Disposition and Orientation of Buildings on the Lot

The location of the proposed building was carefully selected during the design process. The building was located between required landscaped buffers with the main entrance of the building being located as far away from adjacent property uses as practical. The parking lot was also carefully located to maximize the privacy for the adjacent property owners. Care will be taken during construction to preserve as much natural vegetation around the perimeter of the site as possible. In addition to that, landscaped buffers will be created, as required in the ordinance, to provide screening and privacy between the development and adjacent properties. Exterior lighting was also considered, all lighting fixtures will be full cut-off fixtures and lighting levels at the property lines were 0.0 foot-candles as shown on the Lighting Plan.

(a)(vi) Visual Integrity

Buffers, both existing and proposed, will remain on the site to shield it from view and maintain visual integrity from adjacent properties and roadways. The building itself is one story with a 5/12 pitch roof. No steeple or tall features will project beyond the vertical plane of what a typical residential or low rise

commercial structure would typically present. The project is purposely nestled into the site to be unobtrusive. The intent is to provide a simple, attractively landscaped facility that is restful and tranquil in nature to reflect the peacefulness of the religious activity.

(b) Are the elements of the site plan designed and arranged to maximize the opportunity for privacy by the residents of the immediate area?

The location of the proposed building was carefully selected during the design process. The building was located between required landscaped buffers with the main entrance of the building being located as far away from adjacent property uses as practical. The parking lot was also carefully located to maximize the privacy for the adjacent property owners by shielding it from the closest neighbor with building itself. Care will be taken during construction to preserve as much natural vegetation around the perimeter of the site as possible. In addition to that, landscaped buffers will be created to provide screening and privacy between the development and adjacent properties. The building has been sited to provide the maximum opportunity for privacy which could be developed in a reasonable manner for this project on this parcel of land.

(c) Will the proposal maintain safe and healthful conditions within the neighborhood?

The use of this development fits in with typical use patterns and does not include any production facilities that could produce excessive air, light, fume or noise production that would affect the neighborhood. Solid waste from the area will be similar to that of a typical size residential house, and removal will easily be cared for by a private contractor. Sewage will be treated on site with a state approved disposal system. Traffic impact on the neighborhood will be minimal and is within reasonable volumes for the area. The proposed use is intended to provide for quiet, peaceful religious instruction for people who live in the community. The facility will be used to promote strong family values including; honesty, service to community, love of neighbor and acknowledgment of the Creator.

(d) Will the proposal have a significant detrimental effect on the value of adjacent properties?

The development is situated inside of the required buffers to adjacent properties. The development is a place of worship that will be used primarily on weekends and two nights per week, although it will be used by small groups throughout the week. All activities will take place inside the building, with no loud or disturbing activities that would negatively affect the value of surrounding properties.

Additionally the project will create a peaceful, well landscaped atmosphere and will be kept in good repair. A primary concern of the congregation is that the facility reflects their strong belief in a future paradise being restored to the earth. That firm belief informs the care and concern they provide in building and maintaining an attractive and peaceful place of worship. The proposed facility will thus be beautifully landscaped and well cared for. Kingdom Halls of similar size and layout have been built across the United States in similar locations with no negative impact on property values. Typically, these Kingdom Halls contribute to the value of adjacent properties because of their stability, landscaping and well maintained property.

3. Traffic Pattern, flow and Volume

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

AutoTURN templates for an ambulance and a large fire truck were run through the parking lot and there is adequate turning and circulation space for anticipated vehicular movement within the site or while entering or exiting the access drive. Attached are sketches showing fire truck and ambulance circulation thru the site.

5. Resource protection and the environment.

(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 gasses which are noxious, toxic or corrosive, suspended solid or liquid particles, or any air contamination which may obscure an observer's vision?

The development will comply with all State, Federal and Local requirements and will not create any excessive odor, dust, fumes, gasses, suspended solid or liquid particles or any air contamination.

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

The development will comply with all State, Federal and Local requirements in regards to water quality standards, erosion and sedimentation control, runoff control, solid wastes and hazardous substances. A MDEP Permit-by-rule will be submitted for the project to comply with State requirements. Erosion and sedimentation control notes and details have been provided on the plans and will also be submitted with the PBR.

(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?

A septic system has been designed by Maine-Land Development Consultants, Inc. This system complies with all federal, state and local codes. A plumbing permit will be obtained prior to the start of construction. There will be no industrial wastes from the use of this facility. Attached is a copy of the HHE-200 form prepared by Maine-Land.

(e) Shoreland and Wetland Districts: Will the proposal

Not applicable as there are no wetlands or shoreland on the portion of the site to be developed.

Survey Waiver Request

We are requesting a waiver of Section 4.5.2.20 of the Land Use Ordinance which requires a "Boundary survey and description provided by a registered land surveyor of entire contiguous holdings (such survey

shall have been within the past five (5) years). The surveyor shall provide at least two (2) reference points to the Maine Coordinate System in accordance with technical standards, street design standards, survey control.”

We have included in our application a detailed survey of the area immediately surrounding the area to be developed. This critical section of the survey was performed utilizing survey grade GPS equipment and was prepared and sealed by a registered land surveyor. The section of the plan showing the rear of the property relies on recorded plans prepared by other surveyors rather than field verification by our surveyor. This was in order to minimize the amount of time spent by our survey department volunteer who provides this work on a pro bono basis for the applicant.

Additionally, the coordinates provided on the survey are referenced to the Universal Transverse Mercator System rather than the Maine Coordinate System. This is in large part so the surveyor could more easily reference the GIS data available free of charge from the State of Maine.

Lighting Cut Sheets:

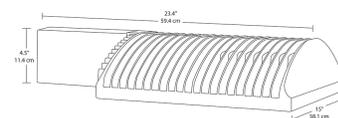
ALED4T78N

Luminaire A-2

Specification Grade Area lights available in IES Type IV distributions. For use in parking lots, roadways, pathways and general area lighting. Mounts to 4" square steel poles at 15-25'. Designed to replace 250W Metal Halide Area Lights. Patent Pending thermal management system. 5 Year Warranty.

Color: Bronze

Weight: 32.0 lbs



LED Info

Watts: 78W
 Color Temp: 4000K (Neutral)
 Color Accuracy: 82
 L70 Lifespan: 100000
 LM79 Lumens: 6,673
 Efficacy: 84 LPW

Driver Info

Type: Constant Current
 120V: 0.66A
 208V: 0.41A
 240V: 0.35A
 277V: 0.30A
 Input Watts: 79W
 Efficiency: 98%

Main parking lot lights

Technical Specifications

UL Listing:

Suitable for wet locations as a downlight.

Lumen Maintenance:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Effective Projected Area:

EPA = 0.75

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs.

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

THD:

4.4% at 120V, 12.8% at 277V

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Surge Protection:

4kV

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management:

Superior heat sinking with external Air-Flow fins.

Housing:

Die cast aluminum housing, lens frame and mounting arm.

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High temperature silicone gaskets.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Surge Protector:

ALED78 is available with a 6kV surge protector (SP6). SP6 available .

Green Technology:

Mercury and UV free.

ALED4T78N - continued

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Replacement:

The ALED78 replaces 250W Metal Halide Area Lights.

California Title 24:

ALED78 complies with California Title 24 building and electrical codes.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.



PS4-11-25D2

Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

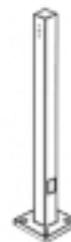
Weight: 168.0 lbs

Lamp Info

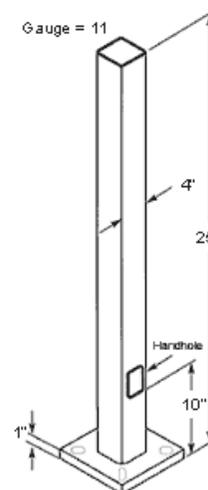
Type: N/A
 Watts: 0W
 Shape/Size: N/A
 Base: N/A
 ANSI: N/A
 Hours: 0
 Lamp Lumens: 0
 Efficacy: N/A

Ballast Info

Type: N/A
 120V: N/A
 208V: N/A
 240V: N/A
 277V: N/A
 Input Watts: 0W
 Efficiency: N/A



For use with Luminaire A-2



Technical Specifications

CSA Listed:

Suitable for wet locations.

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover.

Base Plates:

36,000 p.s.i. minimum yield.

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage.

Color:

Bronze powder coating.

Terms of Sale:

Pole Terms of Sale is available .

Height:

25 FT.

Weight:

168 lbs.

Gauge:

11

Wall Thickness:

1/8".

Shaft Size:

4".

Hand Hole Dimensions:

3" x 6".

Bolt Circle:

9".

Base Dimension:

10".

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available .

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge.

MaxEPA's/Max Weights:

70MPH 4.5 ft_/135 lb

80MPH 2.3 ft_/80 lb

90MPH 0.8 ft_/35 lb.

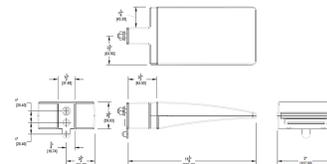
ALED13N

ALED Area Light mounts to 4" square steel poles at 15-20'. 1 to 4 ALEDs can be mounted to each pole. IESNA Full Cutoff, Fully shielded optics. 5 year warranty.

Luminaire B-1

Color: Bronze

Weight: 3.3 lbs



LED Info

Watts: 13W
 Color Temp: 4000K (Neutral)
 Color Accuracy: 86
 L70 Lifespan: 100000
 LM79 Lumens: 673
 Efficacy: 45 LPW

Driver Info

Type: Constant Current
 120V: 0.13A
 208V: 0.08A
 240V: 0.07A
 277V: 0.06A
 Input Watts: 15W
 Efficiency: 87%

For driveway lights to be installed at owner's option.

Technical Specifications

UL Listing:

Suitable for wet locations.

Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

IES Classification:

The Type III distribution is ideal for roadway, general parking, and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. See our full warranty .

Housing:

Precision die cast aluminum housing, lens frame.

Gaskets:

High temperature silicone.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

RAB LEDs are Mercury and UV free.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Effective Projected Area:

EPA = 0.2

Ambient Temperature:

Suitable for use in 50°C (122°F) ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Driver:

Multi-chip 13W high output long life LED Driver
 Constant Current, Class 2 100V - 277V, 50/60 Hz.

Surge Protection:

4KV

Patents:

The design of the ALED is protected by patents pending in Canada, U.S., China and Taiwan.

ALED13N - continued

Equivalency:

The ALED13 is Equivalent in delivered lumens to a 50W Metal Halide Area Light.

HID Replacement Range:

The ALED13 can be used to replace 35 - 70W Metal Halide Area Lights based on delivered lumens.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

PS4-11-10D2

Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

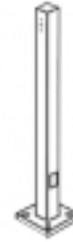
Weight: 73.0 lbs

Lamp Info

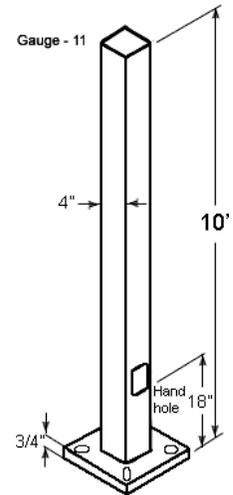
Type: N/A
Watts: 0W
Shape/Size: N/A
Base: N/A
ANSI: N/A
Hours: 0
Lamp Lumens: 0
Efficacy: N/A

Ballast Info

Type: N/A
120V: N/A
208V: N/A
240V: N/A
277V: N/A
Input Watts: 0W
Efficiency: N/A



For Luminaire B-1



Technical Specifications

CSA Listed:

Suitable for wet locations.

Shaft:

46,000 p.s.i. minimum yield.

Hand Holes:

Reinforced with grounding lug and removable cover.

Base Plates:

Slotted base plates 36,000 p.s.i.

Shipping Protection:

All poles are shipped in individual corrugated cartons to prevent finish damage.

Color:

Bronze powder coating.

Terms of Sale:

Pole Terms of Sale is available .

Height:

10 FT.

Weight:

73 lbs.

Gauge:

11

Wall Thickness:

1/8".

Shaft Size:

4".

Hand Hole Dimensions:

3" x 5".

Bolt Circle:

8-9".

Base Dimension:

8".

Anchor Bolt:

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

Anchor Bolt Templates:

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available .

Pre-Shipped Anchor Bolts:

Bolts can be pre-shipped upon request for additional freight charge.

MaxEPA's/Max Weights:

70MPH 27.6 ft_/690 lb
80MPH 21.1 ft_/530 lb
90MPH 16.4 ft_/410 lb
100MPH 13.1 ft_/330 lb
110MPH 10.5 ft_/265 lb
120MPH 8.6 ft_/215 lb
130MPH 7.0 ft_/175 lb
140MPH 5.8 ft_/145 lb
150MPH 4.8 ft_/120 lb.

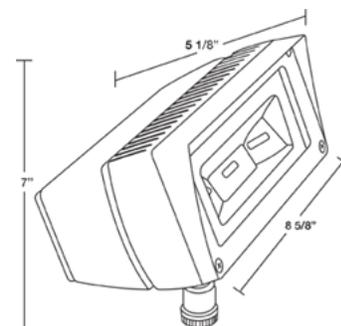
FFLED18YW

Rectangular shaped LED floodlight designed to replace 70W Metal Halide. Patent Pending airflow technology ensures long LED and driver lifespan. Use for building facade lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Luminaire C

Color: White

Weight: 4.8 lbs



Floodlight to be installed under carport; will be shielded by carport structure.

LED Info

Watts: 18
 Color Temp: 3000K (Warm)
 Color Accuracy: 85
 L70 Lifespan: 0
 LM79 Lumens: 1,075
 Efficacy: 49 LPW

Driver Info

Type: Constant Current
 120V: 0.2 A
 208V: 0.15 A
 240V: 0.13 A
 277V: 0.11 A
 Input Watts: 22W
 Efficiency: 82%

Technical Specifications

NEMA Type:

7H x 6V Beam Spread

Airflow:

Patent pending Airflow technology heat sink for superior cooling

LEDs:

18 Watt high performance LEDs

Driver:

Constant Current, Class 2, 100 - 277V, 50 - 60 Hz, 100 - 277VAC 0.4 Amps

Input Watts:

22

Fixture Efficacy:

48 Lumens per Watt

Surge Protection:

6 KV

Ambient Temperature:

Suitable for use in 40C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40F/-40C.

Heatsink Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Heavy-duty mounting arm with O ring seal & stainless steel screw

Color Stability:

RAB LEDs exceed industry standards for chromatic stability.

Color Accuracy:

85 CRI

Color Temperature (Nominal CCT):

3000K

Color Uniformity:

RABs range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2008.

Reflector:

Semi-specular anodized aluminum

Gaskets:

High-temperature silicone gaskets

Finish:

Chip and fade resistant polyester

Green Technology:

Mercury and UV free

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy Lighting Facts label.

California Title 24:

FFLED18 complies with California Title 24 building and electrical codes.

Warranty:

RAB LED fixtures give you peace of mind because both the fixture and light engine components are backed by RAB's 5 Year Warranty. For more information,

RAB
LIGHTING

Tech Help Line: 888 RAB-1000

Email: sales@rabweb.com

On the web at: www.rabweb.com

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Note: Specifications are subject to change without notice

Page 1 of 2

FFLED18YW - continued

Patents:

The FFLED18 design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

UL Listing:

Suitable For Wet Locations. Suitable for mounting within 1.2M(4FT) of the ground.



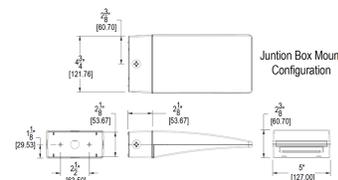
WPLED10Y

LED 10W & 13 Wallpacks. Patent Pending thermal management system. 100,000 hour L70 lifespan. 5 Year Warranty.

Luminaire D

Color: Bronze

Weight: 3.3 lbs



LED Info

Watts: 10W
 Color Temp: 3000K (Warm)
 Color Accuracy: 64
 L70 Lifespan: 100000
 LM79 Lumens: 410
 Efficacy: 31 LPW

Driver Info

Type: Constant Current
 120V: 0.21A
 208V: 0.14A
 240V: 0.12A
 277V: N/A
 Input Watts: 13W
 Efficiency: 76%

Technical Specifications

UL Listing:

Suitable for Wet Locations as a Downlight. Suitable for Damp Locations as an Uplight. Wall Mount only. Suitable for Mounting within 4ft. of ground.

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated color temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2008.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Driver:

Multi-chip 10W high output long life LED Driver
 Constant Current, Class II, 120V-240V, 50/60/ Hz, 350mA.

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The LPACK is designed for cool operation, most efficient output and maximum LED life by minimizing LED junction temperature.

Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation.

Housing:

Precision die cast aluminum housing, lens frame.

Mounting:

Junction box.

California Title 24:

LPACK complies with California Title 24 building and electrical codes.

Green Technology:

RAB LEDs are Mercury, Arsenic and UV free.

Patents:

The LPACK design is protected under patents in the U.S. Pat. D608,040, Canada Pat. 130,243, China Pat. 200930183252.2, and pending patents in Taiwan and Mexico.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

For use on LEED Buildings:

IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution Reduction.



WPLED10Y - continued

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Gaskets:

High Temperature Silicone.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Equivalency:

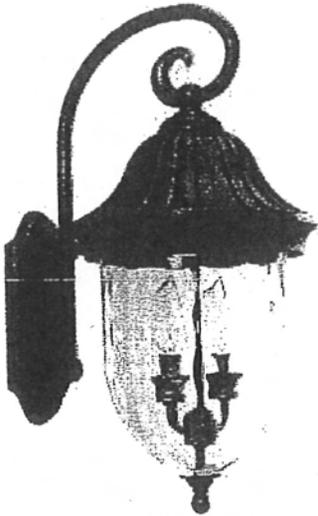
The WPLED10 is Equivalent in delivered lumens to a 70W Metal Halide Wallpack.

HID Replacement Range:

The WPLED10 can be used to replace 35-100W Metal Halide Wallpacks based on delivered lumens.



You can do it. We can help.™



[Zoom View](#)

Average Customer Rating

★★★★☆ 4 out of 5

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Progress Lighting Coventry Collection Textured Black 2-light Wall Lantern

Model P5829-31

\$107.64/EA Each

Quantity:

[ADD TO CART](#)

Check Your Local Store

Add to My List

Add to My Registry

For decorative use near building doors.

Description

Classically styled, the Coventry Collection features a fluted dome housing with clear, hammered glass diffuser suspended from a traditional scroll arm.

- Textured Black finish
- Hammered glass
- 9-3/4 In. Width x 20-1/2 In. Height
- Uses (2) 60-watt candelabra bulbs
- MFG Brand Name : Progress Lighting
- MFG Model # : P5829-31
- MFG Part # : P5829-31
- Outdoor Lighting Application : Other

Specifications

- **ADA Compliant** : False
- **Assembled Depth (In Inches)** : 12.5 In.
- **Assembled Height (In Inches)** : 20.5 In.
- **Assembled Weight (In LBS)** : 9.37
- **Assembled Width (In Inches)** : 9.75 In.
- **CircleEFriendly** : False
- **Energy Star Compliant** : False
- **EnergyPlus** : False
- **Hardwired or Plug-In** : Hardwired
- **Maximum Bulb Wattage** : 60 Watt

- Number of Lights/Bulbs : 2
- Shade/Glass Type : Clear optic
- Width : 9.75 In.

Product Reviews

Review This Product
<p>Overall Rating: ☆☆☆☆ 4 out of 5</p> <p>Beautiful, November 30, 2007 By Brenda2007 from Henly, Texas (read all my reviews)</p> <p>"The lamps are absolutely beautiful. Although the glass appears fragile, it survived shipping intact. We have not yet hung them--building a new house and it's not quite time for light installation--but look forward to seeing the light interact w/the hammered glass. I will add to this review after it's been up for a while."</p> <p>Was this review helpful to you? Yes No (Report Inappropriate Review)</p>

Warranty

Warranty

For warranty information on this product, please call our Internet Customer Service Center at 1-800-435-4654.

Purchase Information

Internet/Catalog # 100088834

Store SKU# 150853

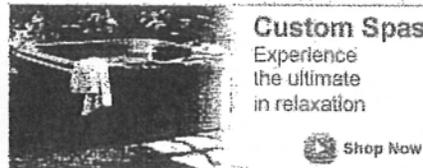
Most orders ship out in 2-3 business days. Allow an additional 3-7 days for Standard Ground Delivery.

Learn More

Blinds.homedepot.com
 Design your custom blinds & shades online for quick and easy delivery



Custom Spas
 Experience the ultimate in relaxation



Shop Now

Outdoor Power
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† Local store prices may vary from those displayed. Products shown as available are normally stocked but inventory levels cannot be guaranteed.

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MAIN-LAND

DEVELOPMENT
CONSULTANTS, INC.

ENGINEERS, SURVEYORS, SCIENTISTS

P.O. BOX Q LIVERMORE FALLS, ME 04254
TEL: (207) 897-6752/FAX: (207) 897-5404
WWW.MAIN-LANDDCI.COM

Site Evaluation Services Enclosed Subsurface Wastewater Disposal System Application Form HHE-200

The enclosed HHE-200 Form is the first document required by most towns in Maine in order to get a permit to install a septic system and a permit to build a home.

Your steps from here:

1. Sign each set of forms on the first page, in the upper left portion of the page. We have enclosed four sets of forms.
2. Meet with the town's Local Plumbing Inspector (LPI) to obtain the permit to install a septic system. Your town office will give you the LPI's name.
3. The LPI will keep two sets of the HHE-200 Form – one for the town and one for the State. You keep the set with the LPI's signature, and you have one extra set for the contractor (if you have one) who will install the system. Feel free to make additional copies if needed.
4. The permit is good for two years. If work on the system has not started within that time, the permit can be renewed after review by me or another Site Evaluator to ensure that the design is still in compliance with current State and local rules.
5. The LPI will conduct two inspections of the system while under construction. Either you or your contractor will contact the LPI for these inspections – one is conducted after the site has been prepared for the system installation, and the second comes when you or the contractor is ready to cover the system and complete the work.
6. If you or your contractor have any questions, please feel free to contact me:
Ken Stratton at Main-Land Development Consultants, Inc.
207-897-6752 or 207-491-1146
ken@main-landdci.com

It's been our pleasure to help you with this step of the process.

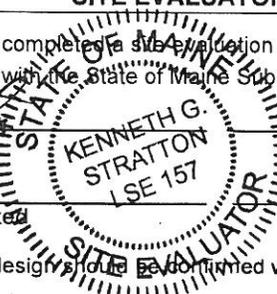
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

PROPERTY LOCATION		>> CAUTION: LPI APPROVAL REQUIRED <<	
City, Town, or Plantation	<u>Augusta</u>	Town/City _____	Permit # _____
Street or Road	<u>North Belfast Ave. (Rt. 3) and Cross Hill Road</u>	Date Permit Issued <u> </u> / <u> </u> / <u> </u>	Fee: \$ _____ Double Fee Charged []
Subdivision, Lot #	<u>N/A</u>	Local Plumbing Inspector Signature _____	L.P.I. # _____
OWNER/APPLICANT INFORMATION		CAUTION: INSPECTION REQUIRED	
Name (last, first, MI)	<u>Augusta Kingdom Hall</u> <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant	The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.	
Mailing Address of Owner/Applicant	<u>c/o Euro Medefine PO Box 668 Ellsworth, ME 04605</u>	Municipal Tax Map # _____	Lot # _____
Daytime Tel. #	<u>207-664-0930</u>	I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
OWNER OR APPLICANT STATEMENT		(1st) date approved _____	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		Local Plumbing Inspector Signature _____ (2nd) date approved _____	
Signature of Owner or Applicant _____ Date _____			

PERMIT INFORMATION			
TYPE OF APPLICATION <input checked="" type="checkbox"/> First Time System 2. Replacement System Type replaced: _____ Year installed: _____ 3. Expanded System a. <25% Expansion b. >25% Expansion 4. Experimental System 5. Seasonal Conversion	THIS APPLICATION REQUIRES <input checked="" type="checkbox"/> No Rule Variance 2. First Time System Variance a. Local Plumbing Inspector Approval b. State & Local Plumbing Inspector Approval 3. Replacement System Variance a. Local Plumbing Inspector Approval b. State & Local Plumbing Inspector Approval 4. Minimum Lot Size Variance 5. Seasonal Conversion Permit	DISPOSAL SYSTEM COMPONENTS <input checked="" type="checkbox"/> Complete Non-engineered System 2. Primitive System (graywater & alt. toilet) 3. Alternative Toilet, specify: _____ <input type="checkbox"/> 4. Non-engineered Treatment Tank (only) <input type="checkbox"/> 5. Holding Tank, _____ gallons <input type="checkbox"/> 6. Non-engineered Disposal Field (only) <input type="checkbox"/> 7. Separated Laundry System <input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more) <input type="checkbox"/> 9. Engineered Treatment Tank (only) <input type="checkbox"/> 10. Engineered Disposal Field (only) <input type="checkbox"/> 11. Pre-treatment, specify: _____ <input type="checkbox"/> 12. Miscellaneous Components	TYPE OF WATER SUPPLY - Proposed <input checked="" type="checkbox"/> Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private <input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other
SIZE OF PROPERTY <u>10⁺</u> SQ. FT. <input checked="" type="checkbox"/> ACRES	DISPOSAL SYSTEM TO SERVE 1. Single Family Dwelling Unit, No. of Bedrooms: _____ 2. Multiple Family Dwelling, No. of Units: _____ <input checked="" type="checkbox"/> Other: <u>Church + 2-bdym apt.</u> (specify) Current Use Seasonal Year Round <input checked="" type="checkbox"/> Undeveloped		
SHORELAND ZONING Yes <input checked="" type="checkbox"/> No			

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> Regular b. Low Profile 2. Plastic 3. Other: _____ CAPACITY: <u>1,500</u> GAL.	DISPOSAL FIELD TYPE & SIZE <input checked="" type="checkbox"/> Stone Bed <input type="checkbox"/> 2. Stone Trench 3. Proprietary Device a. cluster array c. Linear b. regular load d. H-20 load 4. Other: <u>2, 20' x 70' beds</u> SIZE: <u>2,800</u> X sq. ft. lin. ft.	GARBAGE DISPOSAL UNIT <input checked="" type="checkbox"/> No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe If Yes or Maybe, specify one below: <input type="checkbox"/> a. multi-compartment tank <input type="checkbox"/> b. _____ tanks in series <input type="checkbox"/> c. increase in tank capacity <input type="checkbox"/> d. Filter on Tank Outlet	DESIGN FLOW <u>820</u> gallons per day BASED ON: <input checked="" type="checkbox"/> Table 4A (dwelling unit(s)) and <input checked="" type="checkbox"/> Table 4C (other facilities) SHOW CALCULATIONS for other facilities <u>160 seat church @ 49gpcd. = 640</u> <u>2-bdym apt. = 180</u> 3. Section 4G (meter readings) <u>820</u> ATTACH WATER METER DATA <u>9pd</u>
SOIL DATA & DESIGN CLASS PROFILE CONDITION <u>3 / B</u> at Observation Hole # <u>TP2</u> Depth <u>30</u> " of Most Limiting Soil Factor	DISPOSAL FIELD SIZING - 1. Medium---2.6 sq. ft. / gpd <input checked="" type="checkbox"/> 2. Medium---Large 3.3 sq. ft. / gpd - 3. Large---4.1 sq. ft. / gpd - 4. Extra Large---5.0 sq. ft. / gpd	EFFLUENT/EJECTOR PUMP <input checked="" type="checkbox"/> Not Required <input type="checkbox"/> 2. May Be Required <input type="checkbox"/> 3. Required Specify only for engineered systems: DOSE: _____ gallons	LATITUDE AND LONGITUDE at center of disposal area Lat. <u>44</u> d <u>20</u> m <u>11.90</u> s N Lon. <u>69</u> d <u>41</u> m <u>15.60</u> s W if g.p.s, state margin of error: _____

SITE EVALUATOR STATEMENT			
I certify that on <u>1/30/14</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).			
Site Evaluator Signature <u>Kenneth G. Stratton</u>		SE # <u>157</u>	Date <u>4/10/14</u>
Site Evaluator Name Printed <u>Kenneth G. Stratton</u>	Telephone Number <u>207-491-1146</u>	E-mail Address <u>ken@main-landdci.com</u>	
Note : Changes to or deviations from the design should be confirmed with the Site Evaluator.			

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
 Division of Environmental Health
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Augusta

Street, Road, Subdivision

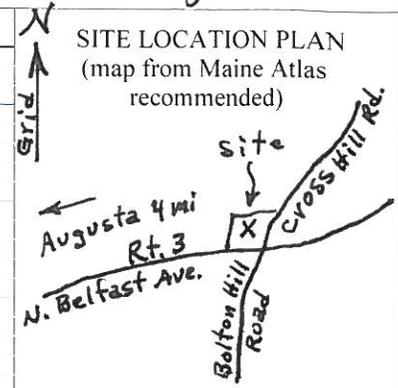
*North Belfast Avenue
 and Cross Hill Road*

Owner's Name

Augusta Kingdom Hall

SITE PLAN

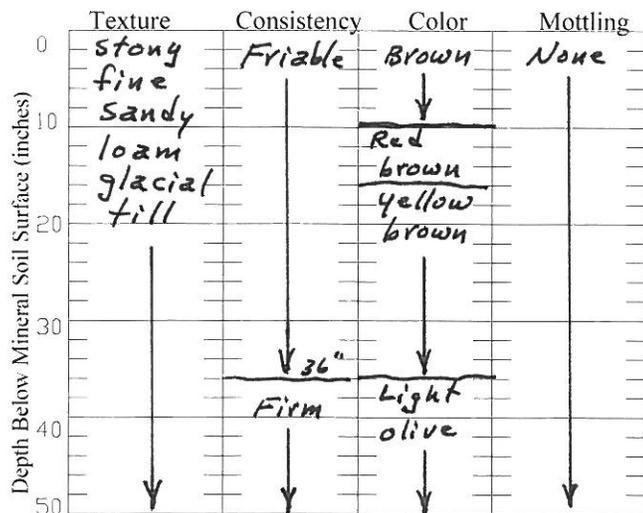
Scale 1" = 30 ft. or as shown



**See Attached Page 2A -
 Section of Total Site Plan**

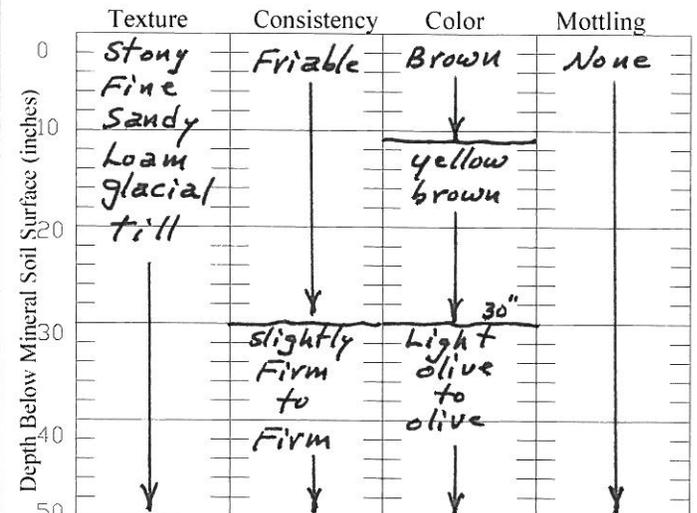
SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP-1 Test Pit Boring
2 " Depth of Organic Horizon Above Mineral Soil



Soil Classification <u>3</u> <u>B</u> Profile Condition	Slope <u>3-4</u> %	Limiting Factor <u>36</u> "	<input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
---	-----------------------	--------------------------------	--

Observation Hole TP-2 Test Pit Boring
2 " Depth of Organic Horizon Above Mineral Soil



Soil Classification <u>3</u> <u>B</u> Profile Condition	Slope <u>4-5</u> %	Limiting Factor <u>30</u> "	<input type="checkbox"/> Ground Water <input checked="" type="checkbox"/> Restrictive Layer <input type="checkbox"/> Bedrock <input type="checkbox"/> Pit Depth
---	-----------------------	--------------------------------	--

Kenneth G. Stratta
 Site Evaluator Signature

157
 SE #

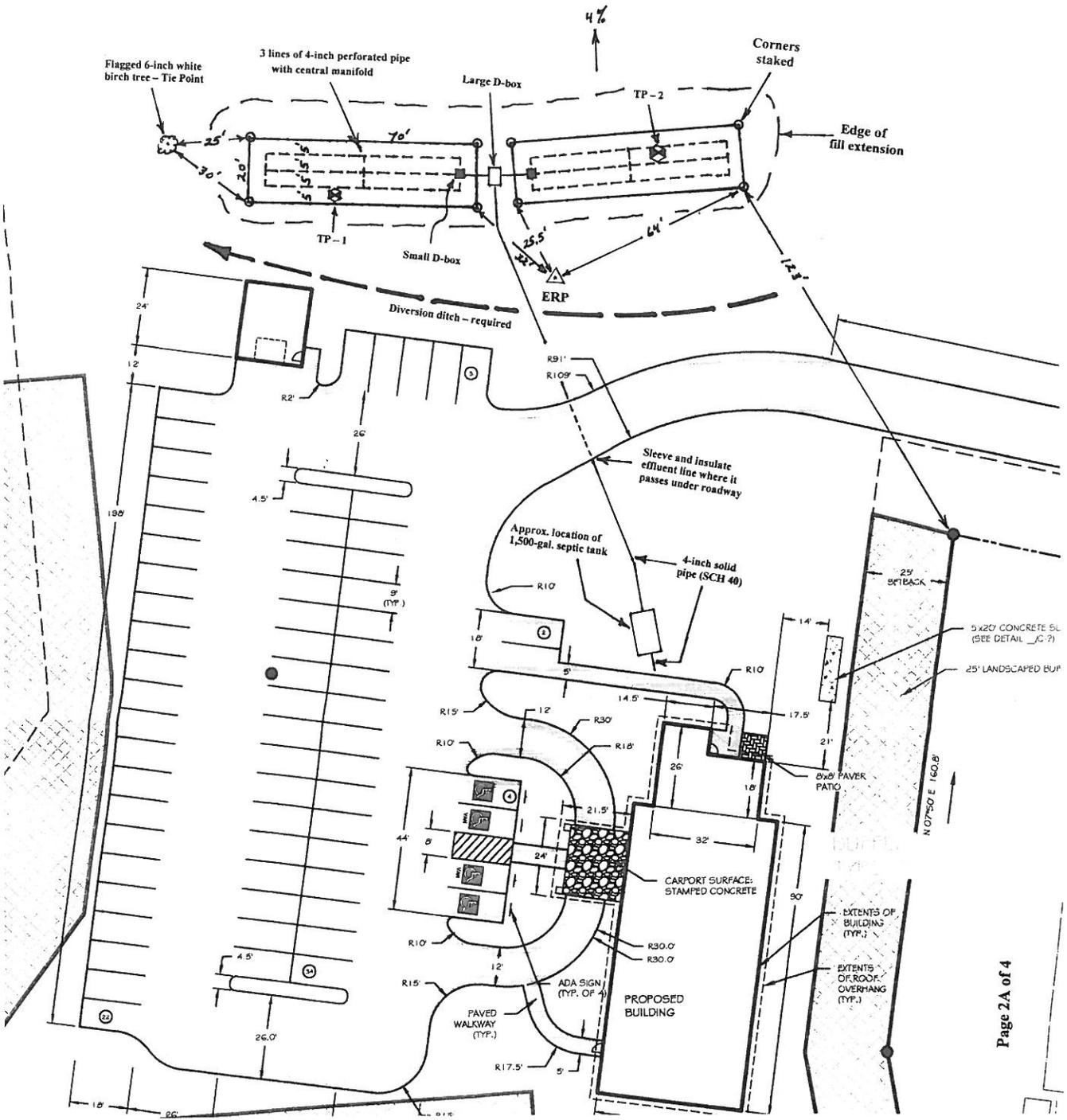
4/10/14
 Date

SITE PLAN AND SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = 30'



Note: This design requires installation of 2, 20' x 70' stone beds fed equally by a regular D-box. Elevations apply to both beds.



SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
 Division of Environmental Health
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation
 Augusta

Street, Road, Subdivision
 North Belfast Avenue and
 Cross Hill Road

Owner's Name
 Augusta Kingdom Hall

SUBSURFACE WASTEWATER DISPOSAL PLAN

0
 SCALE: 1" = 20 FT.

See Attached Page 2A -
 Section of Total Site Plan

FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Depth of Fill (Upslope) 6"
 Depth of Fill (Downslope) 16"

Finished Grade Elevation -34"
 Top of Distribution Pipe or Proprietary Device -45"
 Bottom of Disposal Area -58"

Flagged nail in a 8-inch white pine tree
 located southeasterly of disposal site.
 Nail is 15 1/2" up on tree. ERP = 0"

DISPOSAL AREA CROSS SECTION

Scale

Horizontal 1" = 5 ft.
 Vertical 1" = 5 ft.

See Attached Page 4 -
 Disposal Area Cross Section

Kenneth G. Stratta

157

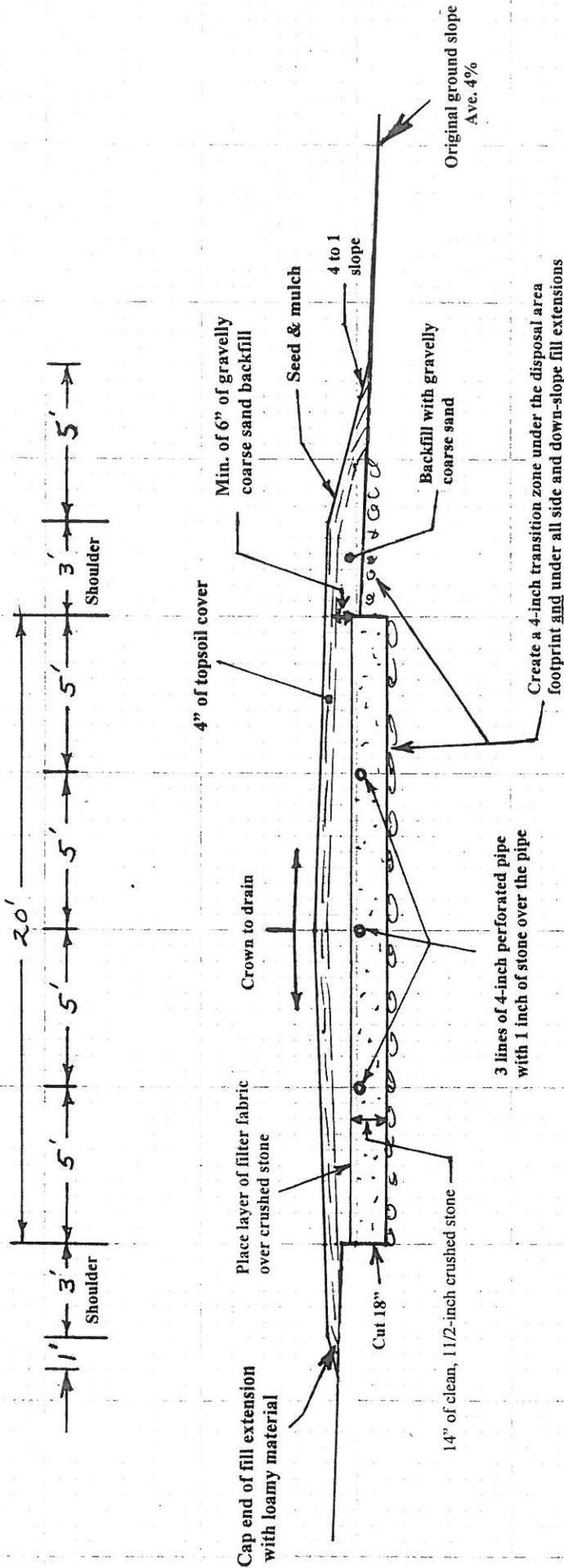
4/10/14

Site Evaluator Signature

SE #

Date

Attachment to Form HHE-200



NOTE: "Backfill" means gravelly coarse sand

Depth of fill upslope = $\frac{6"}{16"}$

ELEVATIONS

Note: ERP = 0"

Finished Grade: - 34"

Top of Distribution Pipe: - 45"

Bottom of Disposal Area: - 58"

DISPOSAL AREA CROSS SECTION

SCALE: 1" = 5' (both horizontal & vertical)



SECTION 11
QUALITY ASSURANCE AND QUALITY CONTROL

A. INSTALLATION

1. General: On sites with fine soil textures, excavations that expose the bottom and sidewall area of the disposal field must not be carried out when the soil moisture content is above the plastic limit, and except when correcting a nuisance, there is no practical alternative, the LPI agrees, and special construction techniques are used. The absolute plastic limit can be estimated by rolling the soil with the fingers. If the soil forms a wire or rod 1/8th of an inch in diameter and does not crumble when handled, the soil moisture content is too high to proceed with the excavation. Septic systems should not be installed when the seasonal water table is high, except in the circumstances listed within this subsection.
2. Dig Safe Law: The "Dig Safe Law" 23 M.R.S. § 3360-A places certain notification requirements on any person doing excavations. Excavation is broadly defined to mean any operation in which earth, rock or other material on or below the ground is moved or otherwise displaced by means of power tools, power equipment or explosives and including grading, trenching, digging, ditching, drilling, auguring, tunneling, scraping and cable or pipe driving, except tilling of the soil and gardening or agricultural purposes.
3. For a free Dig Safe in Maine information kit, contact the Maine Public Utilities Commission: 1-800-452-4699 <http://www.state.me.us/mpuc> or by email: maine.puc@maine.gov. (Contact information is accurate as of the effective date of these Rules.)

B. SITE PREPARATION

1. Site preparation requirements: Prior to the placement of any backfill material, the ground surface must be prepared as follows:
 - (a) Soil erosion and sediment control: In areas adjacent to a water body or wetlands, preventative erosion and sediment control measures must be employed consistent with Section 11(M).
 - (b) Clearing: Vegetation must be cut and removed from the area where backfill material is to be placed.
2. Grubbing: The area under the disposal area must have the organic soil horizon removed including but not limited to all stumps and roots.
3. Scarify the site: The area under the disposal area must be thoroughly roughened. If plowing is used, it must be done parallel to the topographic contour in such a direction that each plow furrow will be thrown up-slope. The soil should be broken up to a depth of 6 to 8 inches. Alternatively, a rototiller or the teeth of a backhoe or frost tooth may be used.
4. Transitional horizon: On sites where the backfill material is coarser than the original soil, a minimum of 4 inches of backfill material must be mixed into the original soil to form a transitional horizon beneath the disposal area.
5. Fill large holes: If large holes are left as a result of stump and/or stone and/or any removal of the "A" or "Ap" (plow layer) soil horizon these holes must be filled with suitable backfill material that meets the requirements of Section 11(E).

C. EXCAVATION

1. Excavation requirements: Any excavation required for the installation of a disposal field must comply with all the requirements in this Section.

2. Bottom of disposal field: The bottom of each disposal field must be installed at the elevation specified on the permit. It must be maintained to a level grade no greater than 2 inches within 100 feet. Note: The bottom of a disposal field serves as the final stage of the distribution network.
3. Avoid unnecessary compaction: Excavation must be carried out in a manner that will avoid unnecessary compaction of both sidewalls and bottom area. Heavy equipment, especially rubber-tired vehicles such as front-end loaders, should not be driven over the exposed bottom of the disposal field. Excavation should be carried out when possible, by a back-hoe operating from outside the perimeter of the previously excavated portions of the disposal fields.
4. Reopen smeared or compacted bottom or sidewall surfaces: If any portion of the bottom or sidewalls becomes smeared or compacted, that portion must be scarified to reopen soil pores. Roto-tilling may be necessary to reach the limit of compacted soil depth.
5. Weather conditions: Work should be scheduled so that excavated areas are not exposed to rainfall or wind-blown silt. Any loose soil or debris that is washed or otherwise deposited within the excavation must be carefully removed prior to backfilling. Additionally, disposal fields should not be installed in frozen ground or when the ambient air temperature is below freezing, especially if construction will take place over several days.

D. CONSTRUCTION

1. Construction: The installer of the system must make certain that the system and all its component parts are installed in conformance with the requirements of these Rules, the plan prepared by the site evaluator, and with any special engineering design requirements approved or required by the Department, pursuant to an approved variance.
2. Soil and backfill material: The installer of the system must make certain that the construction and installation are performed without adversely affecting the capacity of the soil or backfill material to adequately absorb or treat the septic tank effluent.

E. BACKFILL PLACEMENT FOR DISPOSAL AREAS INCLUDING FILL EXTENSIONS

1. General: Selection and placement of backfill must comply with the requirements of this Section.
2. Backfill standards: The backfill material must be gravelly coarse sand which meets the requirements of Table 11A or 11(E)(2)(a) below, as approved by the Department or LPI:

**TABLE 11A
Backfill Textural Gradation**

Sieve Size	Percent Passing by Weight
3 inches	100
#4	75-100
#10	50-100
#60	10-50
#100	2-20
#200	2-8
Clay Fraction	0-2

- (a) Field determination of backfill: Due to the difficulty of obtaining sieve analyses and the variability of backfill material, the following procedures can be used in the field to determine the suitability of backfill material. The backfill is suitable if the soil texture is loose single grains, the individual sand grains can be readily seen (similar to salt or sugar grains) and felt, and the following conditions are observed: If squeezed in the hand when dry, it will fall apart when the pressure is released but has enough fines to stain the lines in the palm of the hand; or, if squeezed when moist, it will form a cast that will crumble when

touched and bears very careful handling; and it does not form a ribbon between the thumb and forefinger but has enough fines to stain the lines in the palm of the hand.

- (b) Coarser material beneath or beside disposal system: Stone meeting the requirements of Section 11(F)(2) may be placed immediately adjacent to the disposal field, provided that the rest of the backfill material meets the requirements of Section 11(E). If used beneath the disposal field, it must be considered part of the disposal field for determining the separation between the limiting factor and the bottom of the disposal system.
 - (c) Fill material placement above disposal system: Immediately above the filter fabric, hay or proprietary devices, fill is required as specified on the plans. It must be a minimum of 8 inches in thickness (including cover material).
 - (d) Cover material: Immediately above the backfill or fill material, at least 4 inches of soil or soil and soil amendment mix, suitable for establishment of a good vegetative cover, must be placed over the entire disturbed soil area, including fill extensions.
3. Disposal fields installed completely in the original ground: If the disposal field is completely installed in original ground, the backfill material must completely cover the disposal fields. The disposal field must be adequately crowned on level disposal fields (3 percent minimum grade) to allow for settling so that surface water will be allowed to drain from the site without ponding.
4. Disposal fields installed partially in the original ground: Disposal fields partially installed in the original ground must meet the following requirements:
- (a) Extent of backfill material: The fill layer must include any backfill beneath the disposal field, the shoulders, and the backfill material extensions surrounding the disposal field on all sides.
 - (b) Shoulder width and slope: The minimum required shoulder width is 3 feet. The finished grade of the shoulder must be sloped at 3 percent away from the disposal field or conform to the slope of the finish grade of the disposal field.
 - (c) Backfill material extension: At the outside edge of the shoulder, the backfill material must be terminated by sloping the top of the backfill layer downward at a slope specified in Tables 11A and 11B, to the original ground if possible, or a man-made retaining wall, provided the retaining wall is no more than 24 inches in height and the horizontal distance from the outer edge of the fill shoulder to the retaining wall is at least 10 feet.

F. DISPOSAL FIELDS

1. Installation requirements: Disposal fields which include in a trench configuration, must be installed in compliance with all the requirements in this Section and Section 6(N) .
- (a) Pitch of distribution pipes or proprietary disposal devices: Maximum tolerance of distribution pipes or proprietary disposal devices must be no more than 2 inches in 100 feet.
 - (b) Spacing between distribution pipes: The space between distribution pipes for low pressure distribution must be from 75 to 80 percent of the hole spacing. Spacing must be equal and uniform.
 - (c) Holes in low pressure distribution pipes: The holes in low pressure distribution pipes must be equal and uniform. The holes must be aligned, so that holes in adjacent distribution pipes are offset by 50 percent of the hole spacing.
 - (d) Proprietary devices: Proprietary disposal devices approved by the Department as substitutes for disposal field stone and perforated distribution pipes, must be installed, per the manufacturer's instructions.

2. Disposal field stone: The stone used in disposal fields must meet the following requirements:
- (a) General: Where used, the stone must cover the distribution pipes and extend the full width and length of the disposal field.
 - (b) Thickness: The disposal field stone depth for beds must extend at least 7 inches beneath the bottom of the distribution pipes and must extend at least 1 inch above the top of the distribution pipes. For disposal trenches, disposal field stone depth must extend at least 12 inches beneath the bottom of the distribution pipes and must extend at least 1 inch above the top of the distribution pipes.
 - (c) The disposal field stone must be clean, uniform in size and free of fines, dust, ashes, or clay. It must conform to one of the nominal stone sizes listed in Table 11B.
 - (a) Stone specifications: A site evaluator may define a more stringent standard for stone size for any particular system.
 - (d) The disposal field stone may be loaded onto the disposal field site, using a back-hoe, front-end loader, or dump truck. This operation must be carried out from the sides of the disposal field, rather than by driving onto the prepared area of the disposal field. In the case of large disposal fields, tracked equipment may be operated within the disposal field. This equipment must not exert a ground pressure in excess of eight pounds per square inch. The disposal field stone must be pushed in front of the vehicle, such that a minimum of one foot of stone is maintained beneath the vehicle track and the original soil surface.

TABLE 11B
Maximum Percent passing by weight

Sieve Size	Nominal Stone Size	
	1 ½ inches	¾ inches
2 inches	100	100
1 ½ inches	95 - 100	100
¾ inches	0 - 40	90 - 100
½ inches	0 - 20	0 - 55
3/8 inches	0 - 8	0 - 25
#4	0 - 5	0 - 10
#200	0 - 2	0 - 2

3. Covering the disposal field stone: The disposal field stone must be covered with a layer of filter fabric or 2 inches of hay, as the laying of the distribution pipes progresses.
4. Covering the stone with filter fabric:
- (a) Overlapping filter fabric sheets: Edges of adjacent sheets of fabric must be overlapped by a minimum of 6 inches; and
 - (b) Fabric requirements: The filter fabric specified in the system design must have: adequate tensile strength to prevent ripping during installation and backfilling, adequate air permeability to allow free passage of gases; and adequate particle retention to prevent downward migration of soil particles into the disposal field. The minimum physical properties for the fabric must be 4.0 ounces/square yard (per ASTM D-3776).

5. Covering the stone with hay: In order to prevent the movement of fine particles into the stone, hay must be evenly placed in 2-inch layers over the entire surface above the stone.
6. Waterproof paper prohibited: The use of waterproof paper to cover a disposal field is prohibited.

G. FINAL GRADING

1. General: Final grading for vegetative stabilized disposal areas must be carried out in compliance with the requirements of this Section.
2. Cover material: At least 4 inches of soil or soil/soil amendment mix, suitable for establishment of a good vegetative cover must be placed over the entire filled area including the fill material extensions.
3. Final grading: Final grading must be completed in such a manner that surface water will not collect over the disposal field.
4. Erosion control: Immediately after completion of final grading, the fill material surface must be stabilized by mulching and seeding, or sodding, to establish a good vegetative cover to prevent erosion.
5. Vegetative covers: Grass, clover, trefoil, vetch, perennial wild flowers, or other herbaceous perennials may be utilized for disposal field surfaces.
6. Other covers: Bark chips, woodchips, and other organic materials may be used as cover material when specified by the designer.
7. Woody shrubs and trees: Woody shrubs or trees are unacceptable on disposal field surfaces. Woody shrubs may be used in conjunction with a hardy perennial ground cover on backfill material extensions only.

H. CURTAIN DRAINS

1. Requirements: Curtain drains, when required, must be up-slope of the disposal field, approximately perpendicular to the flow of ground water, intercepting and diverting groundwater away from the disposal field.
2. Setbacks: The minimum distance between the disposal field and a curtain drain must be as follows:
 - (a) Setback up-slope: A minimum setback distance of 10 feet must be maintained between a curtain drain and the up-slope edge of a disposal field. The curtain drain must be located beyond the toe of the uphill fill extension, if the uphill extension is greater than 10 feet and constructed so that the curtain drain is located to prevent any under drain of the disposal field.
 - (b) Setback cross-slope: A minimum setback distance of 15 feet must be maintained between a curtain drain and the ends of a disposal field and constructed, so that the curtain drain is located to prevent any under drain of the disposal field.
 - (c) Free-flowing outlets: Free-flowing outlets must be provided down-slope of the curtain drain extensions. Outlets must meet the following requirements:
 - i. Discharge point: Outlets may empty into a drainage swale discharging to a surface water body, a groundwater recharge basin, or a gravel bed;
 - ii. Outlet design: Outlets must be designed, installed, located, and maintained in a manner that does not cause soil erosion, surface flooding, or damage to adjacent properties, does not create a public nuisance, and does not violate any applicable Federal, State, or local laws or regulations; ~~and~~
 - (d) Rodent control: Adequate measures must be taken to protect each outlet from the entry of rodents or other small animals.

(e) Fill requirements: Fill material over the curtain drain discharge pipes must be ~~of earth~~ of a texture that is similar to, or coarser than, that found at the site and free of large stones, stumps, broken masonry, or other waste construction material.

I. INSPECTIONS

1. Required: It is the duty of the LPI to enforce the provisions of these Rules and to make such inspections as may be required by this Section.
2. Required inspections: Any violations of the approved plans and disposal system permit must be noted. The holder of the disposal system permit must be notified of any such discrepancies.
3. LPI's right of entry: In the discharge of duties, the LPI, with the consent of the property owner, occupant, or owner's agent, shall have the authority to enter at any reasonable hour, any structure or premises in the jurisdiction to enforce the provisions of these Rules. See 30-A M.R.S. § 4213. If entry is refused, the LPI can seek a court order for entry.
4. Department official's right of entry: In the discharge of duties, Department officials, with the consent of the property owner, occupant, or owner's agent, shall have the authority to enter at any reasonable hour any structure or premises to enforce the provisions of these Rules. If entry is refused, the Department can seek a court order for entry.
5. Inspection required: The LPI must make 2 inspections as follows:
 - (a) After site preparation: An inspection must be made after site preparation to ascertain that the vegetation has been cut and removed in the disposal field area, the area under the disposal field and backfill extensions has been roughened, a transitional horizon has been established, and the erosion and sedimentation control measures are in place.
 - (b) Prior to covering the system: An inspection must be made after installation of the system components, including stone, pipes or proprietary devices, tanks, hay, filter fabric, and fill beneath and beside of the disposal area but before backfill is placed above the disposal system components. This inspection must include any curtain drains, diversion ditches, berms or other measures outlined on the design to improve the function of the system.
6. Notification required: The LPI must be notified at least 24 hours before the system is ready to be inspected.
7. Preparation for inspection: When a system is ready for inspection, the installer must make such arrangements as will enable the LPI to inspect all parts of the system. The installer must have present the proper apparatus and equipment for conducting the inspection and shall furnish such assistance as may be necessary in making a proper inspection.
8. Covering of work: No part of a system may be backfilled until it has been inspected and approved. If any part is covered before being inspected and approved, it must be uncovered at the discretion of LPI and at the expense and risk of the owner.
9. Defects in materials and workmanship: If inspection discloses defective material, design, siting, or poor construction that does not conform to the requirements of these Rules, the nonconforming parts must be removed, replaced, and re-inspected.
10. Installer's statement of compliance: The Department will provide a form for the LPI to be given to the homeowner, or the homeowner's agent, at the time of issuing the permit. This form will allow for the Site Evaluator, installer or inspector, or in the case of an engineered system or a multi-user system a Professional Engineer, to provide a written statement to the owner, or agent, that the system was installed in compliance with these Rules and the conditions of the permit, with approval from the LPI.
11. Inspection checklist. The Department will prepare a form that can be used by the LPI and the disposal system installer (contractor) to aid in the proper installation of the disposal system.

J. CERTIFICATE OF APPROVAL

1. Approval: After the required inspection, or, in the case of multiple inspections, when the final inspection indicates the work complies in all respects with these Rules and the permit application, a certificate of approval

will be issued by the LPI. This approval may be accomplished either by the LPI signing and dating the permit, or by issuing a separate document.

2. 30-day temporary use: Upon request of the holder of a disposal system permit, the LPI may issue a 30-day temporary authorization of use before the entire work covered by the disposal system permit has been completed. This authorization may be given only if such portion or portions of the system may be put into service safely, prior to full completion without endangering health or public welfare.

K. WORKMANSHIP

All work must be performed, installed, and completed in a workmanlike and acceptable manner, commensurate with the specific requirements of these Rules, or generally accepted practices, if not specifically addressed by these Rules, and the standards referenced herein.

L. ENFORCEMENT AND VIOLATIONS

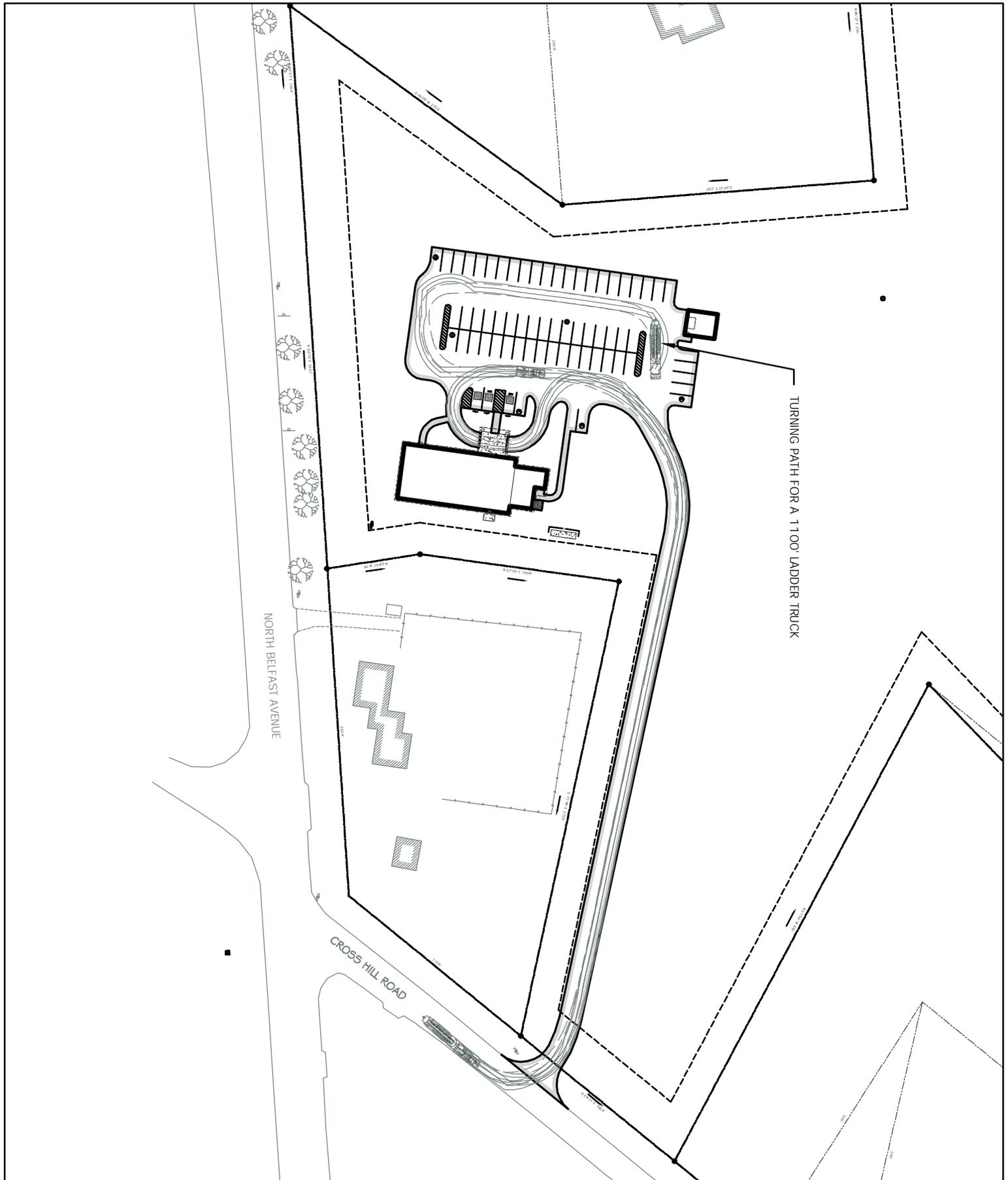
1. Unlawful acts: It is unlawful to install, extend, alter, repair, or maintain systems, except in conformity with these Rules.
2. Notice of violation: The LPI must serve a notice of violation and order on the person responsible for the installation of work:
 - (a) in violation of the provisions of these Rules;
 - (b) in violation of a detailed statement or a plan approved there-under; or
 - (c) in violation of a disposal system permit or certificate issued under the provisions of this code these Rules. Such orders must direct the discontinuance of the illegal action or condition and the abatement of the violation.
3. Prosecution: If the notice of violation and order are not complied with promptly, the LPI must the legal counsel of the jurisdiction to institute the appropriate proceedings at law or in equity to:
 - (a) restrain, correct, or abate such violation; (b) to require removal or termination of the unlawful use of any system in violation of the provisions of these Rules; or
 - (c) of the order or direction made pursuant thereto.
4. Penalties: Any person who violates a provision of these Rules, or who fails to comply with any of the requirements thereof, or who installs work in violation of an approved plan or directive of the LPI, or of a disposal system permit issued under the provisions of these Rules, shall be subject to the penalties in 30-A M.R.S. § 4452(3).

M. WORK ADJACENT TO WETLANDS AND WATER BODIES

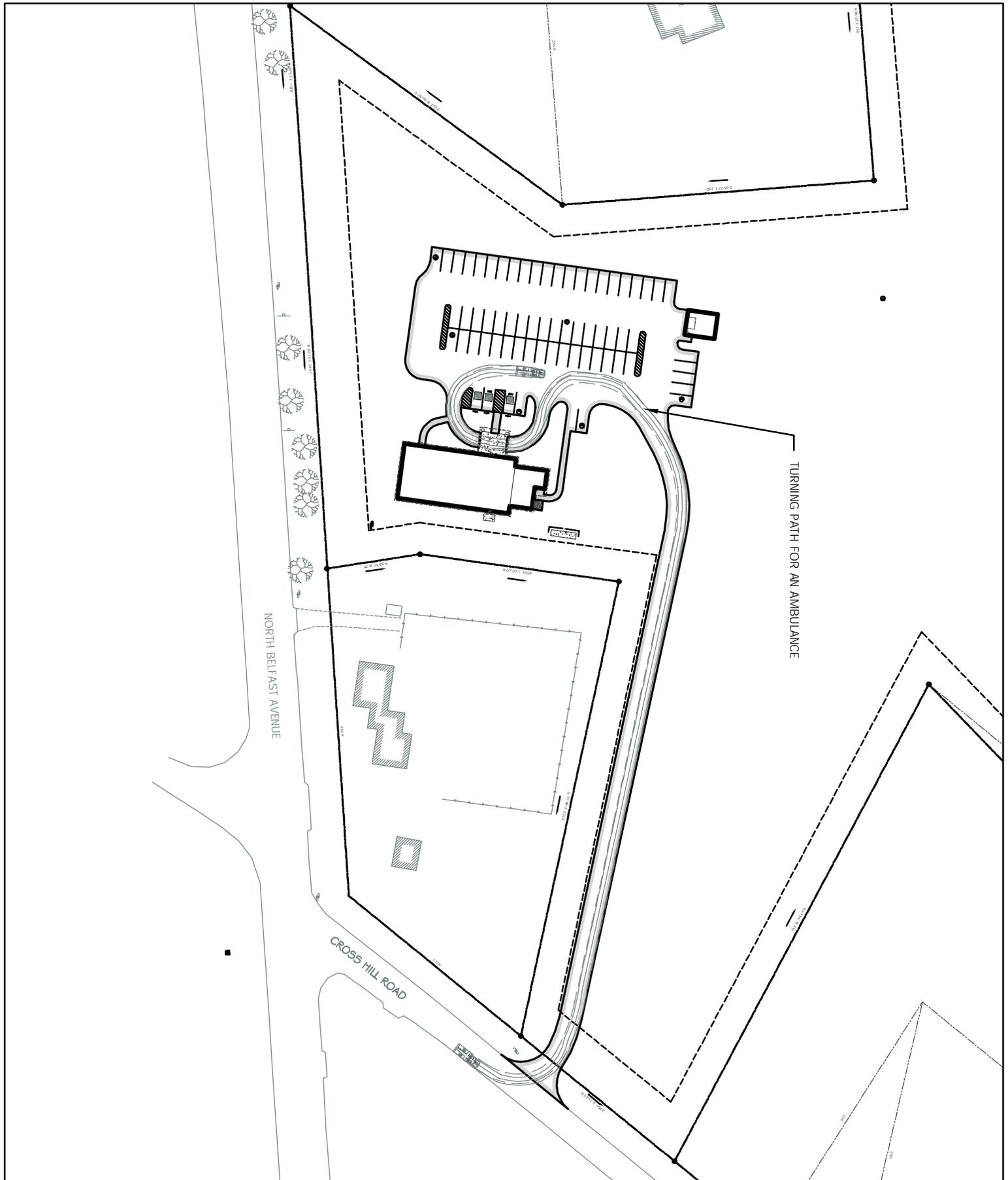
1. Erosion and sediment control measures: Erosion and sediment control measures must be in accordance with the March 2003 edition of the Maine DEP Handbook "*Maine Erosion and Sediment Control BMPS*" (DEPLW0588),
2. Erosion control barriers: Prior to the start of a soil disturbance activity, erosion control measures such as staked hay bales, silt fence or erosion control mulch berms must be properly installed and maintained for the duration of the project, to prevent sedimentation of the resource. Silt fence installed within a wetland shall not be trenched but shall have the fabric anchored down by placing stone on it.
3. Runoff Diverted: Upland surface water runoff must be diverted around all soil disturbance activities.
4. Temporary erosion control measures: Mulch or other temporary erosion control measures must be applied within 7 days of exposing the soil or prior to any storm event and must be maintained until site work commences again or until permanent stabilization measures are applied.
5. Time Limit: All soil disturbance activities must be stabilized as soon as practical, upon activity completion.
6. Wetland and Buffer Area Disturbance: Wetland and/or buffer vegetation must not be destroyed or permanently removed, unless authorized by these Rules. If unauthorized wetland vegetation is disturbed

during the project, it must be re-established immediately upon completion of the work and must be maintained. This standard does not apply to fill or disposal areas required for replacement of wastewater disposal systems.

7. Stream and wetland crossings: Stream and wetland crossings necessary for the installation of a subsurface wastewater disposal system must be done in accordance with this subsection.
- (a) Sewer lines or effluent lines crossing a stream must be placed within a conduit or sleeve to prevent the need to re-excavate the stream in order to make repairs.
 - (b) The trench in and adjacent to a wetland must be refilled with the material that was removed during excavation in the order in which it was removed (topsoil and sod or organic duff on top). If the natural organic mat is not sufficient to prevent erosion and sedimentation, erosion control mulch must be applied to the trench surface. Residual excavated material must be removed from the wetland (except where wetland filling is allowed) or waterbody and properly stabilized. Pipe bedding material such as stone or sand may be used, provided that clay dams or synthetic boots are used as appropriate to prevent the wetland draining through the bedding material.
 - (c) Any trench excavation that occurs within a stream must be performed either during a period when no water is flowing, or utilize a dry crossing method such as diverting water flows by a coffer dam and pumping around the area of excavation. The trench width in any natural resources must be no wider than necessary to install the pipe.
 - (d) Wheeled or tracked equipment may not operate in the water. Equipment operating on the shore may reach out into the water with a bucket or a similar extension. Equipment must cross streams on rock, gravel or ledge bottoms or a constructed crossing such as a temporary bridge for soft stream bottoms.
 - (e) Unless adequate natural conditions are present (tree roots, stumps, surface stoniness or dry conditions), provisions shall be made to prevent rutting of wetland soils and destruction of wetland vegetation (except for wetland areas that are lawns or fields) such as by the use of timber mats, blasting mats, logs, pallets or slash.
 - (f) Any debris or excavated material must be stockpiled either outside of the non-lawn or field wetland or on mats or platforms within the wetland.
 - (g) Temporary roads constructed of fill are not allowed in the resource (except for lawn or field wetlands) except that fill may be used on top of mats or platforms for equipment access.



SK-4.16.14a PHASE PERMITTING	Maine Regional Building Committee MRBC		PROJECT: Kingdom Hall of Jehovah's Witnesses	SHEET TITLE: AUTOTURN SKETCH
			ADDRESS: Cross Hill Road Augusta, Maine	DRAWN: RC APPROVED: EH
				SCALE: NTS
				DATE: 4/16/2014



PHASE PERMITTING SK-4.16.14b	Maine Regional Building Committee MRBC		PROJECT: Kingdom Hall of Jehovah's Witnesses	SHEET TITLE: AUTOTURN SKETCH
			ADDRESS: Cross Hill Road Augusta, Maine	DRAWN: RC APPROVED: EH
				SCALE: NTS
				DATE: 4/16/2014