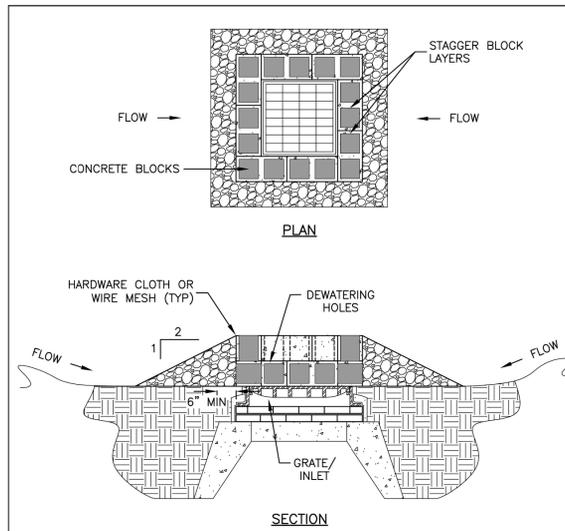


NOTES:

1. DUE TO UV STABILITY OF FABRIC, SILT FENCE MAY NOT BE USED FOR A PERIOD LONGER THAN ONE (1) YEAR.
2. SILT FENCE NOT TO BE USED IN AREAS OF CONCENTRATED FLOW (E.G. SWALES/DITCHES)
3. WIRE FENCE SUPPORT (14 GAGE W/6" MESH OPENING MIN) IS REQUIRED FOR INSTALLATIONS WITHIN 100 FEET OF STREAMS, RIVERS, OR OTHER WATERS OF THE STATE.
4. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
5. ENDS OF FILTER CLOTH SHALL BE OVERLAPPED BY SIX INCHES, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
6. APPROVED PREFABRICATED FENCING INCLUDES ENVIROFENCE, GEOFAB, MIRAFI 100X. OTHERS MAY BE SUITABLE BUT SUBJECT TO ENGINEER'S APPROVAL.
7. INSPECT FENCE REGULARLY FOR DAMAGE DUE TO ANIMALS, EQUIPMENT, AND WIND
8. REMOVE ACCUMULATED SEDIMENT WHEN LEVEL REACHES 1/2 THE HEIGHT OF FENCE

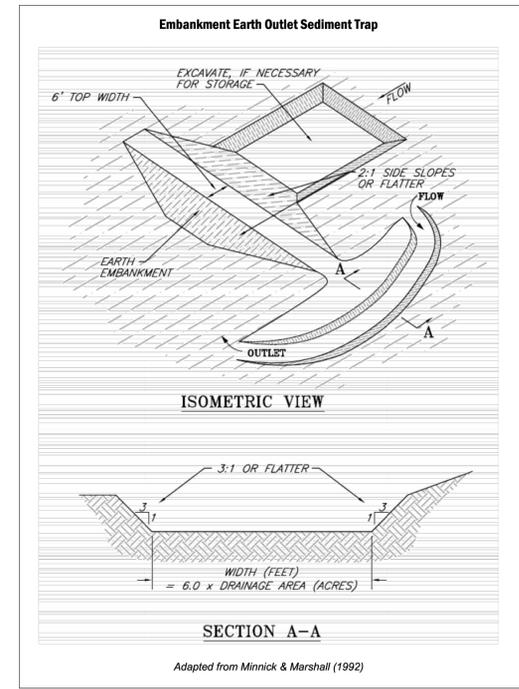
**SILT FENCE DETAIL**

NOT TO SCALE



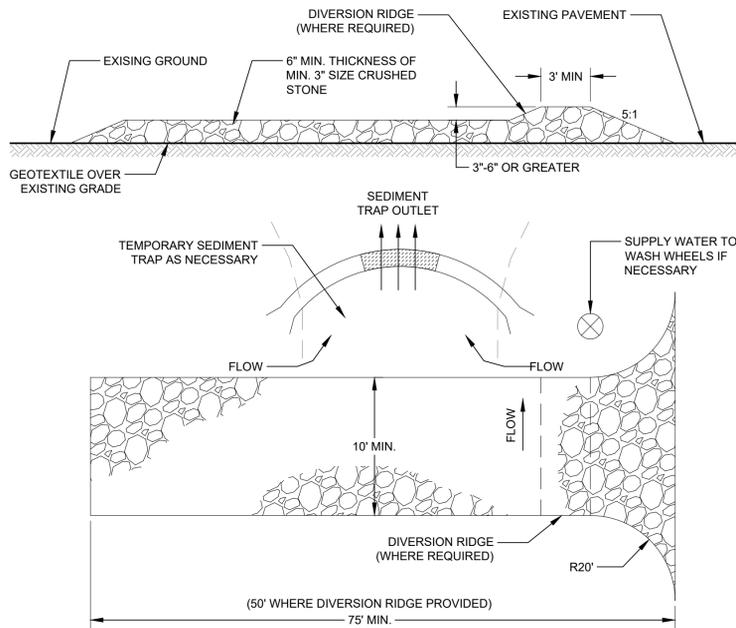
- CONSTRUCTION REQUIREMENTS**
1. LAY FIRST COURSE OF BLOCK ON ITS SIDE FOR DEWATERING. PLACE BLOCKS AGAINST FRAME FOR SUPPORT.
  2. PLACE HARDWARE CLOTH OR WIRE MESH OVER BLOCK OPENINGS TO SUPPORT STONE.
  3. PLACE STONE ON A 2:1 OR FLATTER SLOPE UP TO THE TOP OF BLOCK.
  4. REMOVE STONE AND BLOCKS, AS DIRECTED, WHEN NO LONGER NEEDED. BEFORE STONE AND BLOCKS ARE REMOVED, STABILIZE ANY SEDIMENT WHICH IS PERMITTED TO STAY IN PLACE WITH VEGETATION.

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION:	EPSC
---	---	---	<b>STONE &amp; BLOCK GRATE INLET PROTECTION DETAILS</b>	DRAWING	E-2
---	---	NO.		DATE:	01/09
---	---	DATE:		PAGE:	1
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**SEDIMENT TRAP DETAIL**

NOT TO SCALE

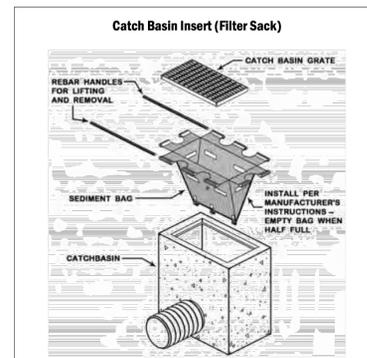


**STABILIZED CONSTRUCTION ENTRANCE**

NOT TO SCALE

NOTES:

1. STONE SIZE - USE MINIMUM 3 INCH CRUSHED STONE.
2. LENGTH - NOT LESS THAN 75 FEET (50 FEET MAY BE ALLOWED WHERE A DIVERSION RIDGE IS PROVIDED).
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - 10 FOOT MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE FILTER FABRIC MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.



**CATCH BASIN INSERT - INLET PROTECTION DETAIL**

NOT TO SCALE

- REVISION HISTORY
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)
  2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/19/2025)
  3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

ISSUED FOR  
**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**  
137 MANCHESTER ST  
CONCORD, NH 03301

SITE  
**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**  
234 AIRPORT ROAD  
CONCORD, NH 03301

**MBLU: 782/Z/8**

DRAWING TITLE  
**EROSION CONTROL DETAILS**

SCALE: N.T.S. DATE: 11/19/2025

DRAFTED BY: KAD CHECKED BY: ERL PROJECT MGR: ERL PROJECT NO.: BACC0005

STATE OF NEW HAMPSHIRE  
ERIN R. LAMBERT  
No. 11057  
LICENSED PROFESSIONAL ENGINEER  
**C5.4**  
ENGINEER: ERIN R. LAMBERT  
NH P.E. #11057  
SHEET NO.: 13 OF 16

REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/08/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/19/2025)  
3. NO CHANGE (02/17/2028)

ISSUED FOR

**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER

**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**

**137 MANCHESTER ST CONCORD, NH 03301**

**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**

**234 AIRPORT ROAD CONCORD, NH 03301**

**MBLU: 782/Z/8**

DRAWING TITLE  
**WILDLIFE PROTECTION NOTES**

SCALE	N.T.S.	DATE	11/19/2025
DRAFTED BY	KAD	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	BACC0005

SHEET NO.  
**C7.1**  
14 OF 16

**NEW HAMPSHIRE SPECIES OF CONCERN**

**WOOD TURTLE**

**Report Sightings:** Contact Wildlife Biologist Josh Megyesy at (603) 271 – 1125 or the Wildlife Division at (603) 271 – 2461. Observation reports can be sent to RAARP@wildlife.nh.gov. Photographs and exact locations are strongly encouraged.



**Specific Information:**

- Adults are 5 – 8 inches long.
- Neck and front limbs are orange.
- Associated with streams and rivers where they hibernate. Use surrounding fields, forests, and floodplains extensively during active period.
- Turtles are frequently concealed by leaves and undergrowth and may not be easily visible.
- Turtles are most active from April 15 – October 15.
- During nesting season (May 15 – July 15) turtles are attracted to disturbed ground.



This species is protected under Fis 1400. Thank you for reporting any observations.

**PLEASE DO NOT DISTURB OR HANDLE WILDLIFE**

**NEW HAMPSHIRE STATE THREATENED**

**SPOTTED TURTLE**

**Report Sightings:** Contact Wildlife Biologist Josh Megyesy at (603) 271 – 1125 or the Wildlife Division at (603) 271 – 2461. Observation reports can be sent to RAARP@wildlife.nh.gov. Photographs and exact locations are strongly encouraged.



**Specific Information:**

- Adults are 3 – 5 inches long
- Shell is black or brown, fairly flat, and with yellow spots.
- Uses variety of wetlands and moves extensively over land.
- Turtles are frequently concealed by leaves and undergrowth and may not be easily visible.
- Turtles are most active from April 15 – October 15.
- During nesting season (May 15 – July 15) turtles are attracted to disturbed ground.



This species is protected under RSA 212-A and Fis 1000. Thank you for reporting any observations.

**PLEASE DO NOT DISTURB OR HANDLE WILDLIFE**

**NEW HAMPSHIRE STATE ENDANGERED**

**EASTERN HOGNOSE SNAKE**

**Report Sightings:** Contact Wildlife Biologists Melissa Winters at (603) 479 – 1129 and Brendan Clifford at (603) 944 – 0885 immediately. Group text is preferred. Or, if during business hours, contact the Wildlife Division at (603) 271 – 2461. Photographs and exact locations are encouraged.



**Species Information:**

- Thick snake, 20 – 40 inches long.
- Darkly colored – often olive, gray, or brown – and patterned in appearance.
- Shovel-like upturned snout with curled tail.
- May puff up, hiss, strike, flatten neck, or play dead if threatened.
- Found in variety of habitats like meadows, wooded areas, forests, and wetlands.
- Nests in sandy and gravelly soils.
- Lays eggs between June and mid-July.
- Overwinters individually underground in September.
- Emerges from hibernation typically in March and April.



This species is protected under RSA 212-A and Fis 1000.

**DO NOT DISTURB OR HANDLE WILDLIFE UNLESS AUTHORIZED BY NH FISH AND GAME**

**NEW HAMPSHIRE STATE THREATENED**

**NORTHERN BLACK RACER**

**Report Sightings:** Contact Wildlife Biologists Melissa Winters at (603) 479 – 1129 and Brendan Clifford at (603) 944 – 0885 immediately. Group text is preferred. Or, if during business hours, contact the Wildlife Division at (603) 271 – 2461. Photographs and exact locations are encouraged.



**Species Information:**

- Slender snake, 33 – 65 inches in length.
- Black, smooth, and shiny body with a white chin and throat. Belly has a blue tint.
- Juveniles are light gray and patterned with dark brown blotches (see image below).
- Found in a variety of habitats; prefers open shrublands, grasslands, young forests, rocky open woodlands, and wetland edges.
- Overwinters in groups underground using mammal burrows and rocky outcrops, typically in October.
- Emerges from hibernation in March – April.
- Large home ranges and travel between suitable habitats throughout active season.



This species is protected under RSA 212-A and Fis 1000.

**DO NOT DISTURB OR HANDLE WILDLIFE UNLESS AUTHORIZED BY NH FISH AND GAME**

**NEW HAMPSHIRE STATE ENDANGERED**

**FROSTED ELFIN BUTTERFLY**

**Report Sightings:** For environmental review projects, contact the Wildlife Division at (603) 271 – 2461 or as otherwise noted in permit documents. For non-urgent reports, submit observations to iNaturalist. Photographs and exact locations are strongly encouraged.



**Species Information:**

- Small butterfly, 1 – 1.5 inch wingspan.
- Tops of wings are dark gray brown, underside are variegated. Dusting of pale scales on outer wing.
- Single black dot on hindwing.
- Found in pine barrens.
- Depend heavily on wild lupine and indigo plants to lay eggs and feed larvae. Feed only on wild lupine as caterpillars.
- Adults lay eggs in spring. Larvae pupate and remain in this form until the following year.
- Adults fly in May and early June.



This species is protected under RSA 212-A and Fis 1000.

**DO NOT DISTURB OR HANDLE WILDLIFE UNLESS AUTHORIZED BY NH FISH AND GAME**

**NEW HAMPSHIRE STATE ENDANGERED**

**KARNER BLUE BUTTERFLY**

**Report Sightings:** For environmental review projects, contact the Wildlife Division at (603) 271 – 2461 or as otherwise noted in permit documents. For non-urgent reports, submit observations to iNaturalist. Photographs and exact locations are strongly encouraged.



**Species Information:**

- Small, one inch wingspan.
- Males are silvery blue or dark blue on the upper-side of wings with thin black margins.
- Females are gray-brown, with orange patches on the hindwing.
- Underside of wings are silvery blue with iridescent blue spots and several orange spots on the hindwings.
- Found in the Concord pine barren forests and adjacent open areas.
- Do not stray far from their hatching area.
- Two broods annually in June and July.
- Adults have a short life span, between five to fourteen days.



This species is federally protected and protected under RSA 212-A and Fis 1000.

**DO NOT DISTURB OR HANDLE WILDLIFE UNLESS AUTHORIZED BY NH FISH AND GAME**

DCT25-2394 NEW HAMPSHIRE FISH AND GAME RECOMMENDED PERMIT CONDITIONS TO AVOID AND MINIMIZE IMPACTS TO NORTHERN BLACK RACER, EASTERN HOGNOSE SNAKE, FROSTED ELFIN, KARNER BLUE BUTTERFLY, SPOTTED TURTLE, AND WOOD TURTLE. PLEASE REFER TO THE FOLLOWING CONSERVATION MEASURES:

1. ALL OPERATORS AND PERSONNEL WORKING ON OR ENTERING THE SITE SHALL BE MADE AWARE OF THE POTENTIAL PRESENCE OF THESE SPECIES AND SHALL BE PROVIDED FLYERS THAT HELP TO IDENTIFY THESE SPECIES, ALONG WITH NHFG BIOLOGIST CONTACT INFORMATION. PLEASE REFER TO THE NHFG WEBSITE FOR UPDATED PROTECTED SPECIES FLYERS.
  - A. PROTECTED SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION AND REPORTING OF OBSERVATIONS, WHEN TO CONTACT THE NHFG BIOLOGISTS IMMEDIATELY) SHOULD BE COMMUNICATED DURING MEETINGS PRIOR TO WORK COMMENCEMENT THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. SEE FLYERS, THIS SHEET.
2. OBSERVATIONS OF NORTHERN BLACK RACER AND EASTERN HOGNOSE SNAKE SHALL BE REPORTED IMMEDIATELY TO NHFG WILDLIFE BIOLOGISTS MELISSA WINTERS AND BRENDAN CLIFFORD FOR FURTHER CONSULTATION - VIA GROUP TEXT PREFERRED. SEE SPECIES FLYERS, SEE PLAN SHEET C7.1 FOR CONTACT INFORMATION
3. TURTLES MAY BE ATTRACTED TO DISTURBED GROUND DURING NESTING SEASON (MAY 15<sup>TH</sup> - JULY 15<sup>TH</sup>). TURTLE NESTS ARE PROTECTED BY NH LAWS (RSA 212-B:4, FIS 1401.03). IF A NEST IS OBSERVED OR SUSPECTED, OPERATORS SHALL CONTACT JOSH MEGYESY AT NHFG IMMEDIATELY FOR FURTHER CONSULTATION. SEE SPECIES FLYERS, SEE PLAN SHEET C7.1 FOR NHFG BIOLOGIST CONTACT INFORMATION.
  - A. THE NEST OR SUSPECTED NEST SHALL BE MARKED (SURROUNDING ROPED OFF OR CONE BUFFER DEPLOYED) AND AVOIDED; THIS SHALL BE COMMUNICATED TO ALL PERSONNEL ONSITE.
  - B. SITE ACTIVITIES SHALL NOT OCCUR IN THE AREA SURROUNDING THE NEST OR SUSPECTED NEST UNTIL FURTHER GUIDANCE IS PROVIDED BY THE ECOLOGICAL REVIEW SECTION.

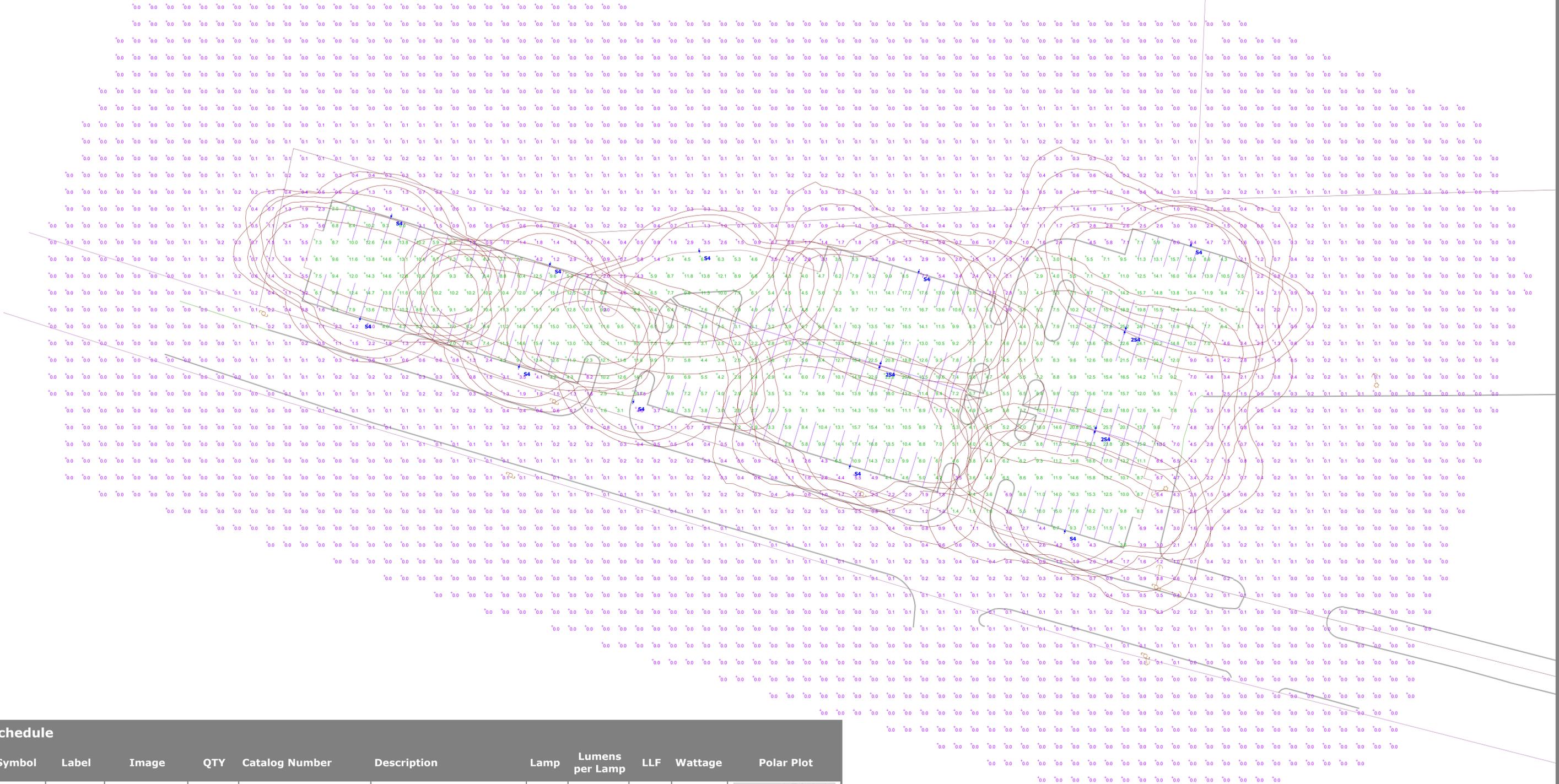
**ADDITIONAL RECOMMENDED CONSERVATION MEASURES**

1. SURVEYS FOR THE MOST PLANTS OF FROSTED ELFIN AND KARNER BLUE BUTTERFLY (WILD LUPINE) ARE THE ONLY WAY TO DETERMINE WHETHER OR NOT THESE SPECIES COULD OCCUR WITHIN THE PROPOSED PROJECT AREA. ALTHOUGH THESE SURVEYS ARE RECOMMENDED, BASED ON THE LANDSCAPE CONTEXT OF THE PROPOSED PROJECT AREA IT IS UNLIKELY FOR THESE SPECIES TO OCCUR WITHIN THE PROJECT SITE. THE SURVEY IS NOT REQUIRED AND SHOULD NOT HOLD UP THE PROJECT.
2. ALL MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS, WITH THE EXCEPTION OF TURF REINFORCEMENT MATS, UTILIZED FOR, BUT NOT LIMITED TO, SLOPE PROTECTION, RUNOFF DIVERSION, SLOPE INTERRUPTION, PERIMETER CONTROL, INLET PROTECTION, CHECK DAMS, AND SEDIMENT TRAPS SHOULD NOT CONTAIN PLASTIC, OR MULTIFILAMENT OR MONOFILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8 INCHES.
3. NATIVE SPECIES SHOULD BE USED FOR RESEEDING OR LANDSCAPING DISTURBED AREAS. LOW GROWING SEED MIXES ARE ENCOURAGED TO REDUCE THE FREQUENCY OF MOWING.
4. ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SITE SHOULD BE REPORTED IMMEDIATELY TO THE NHFG NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV, WITH THE EMAIL SUBJECT LINE CONTAINING THE DATACHECK TOOL RESULTS LETTER ASSIGNED NUMBER, THE PROJECT NAME, AND THE TERM WILDLIFE SPECIES OBSERVATION. PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHOULD BE PROVIDED TO NHFG IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE.
5. IN THE EVENT A PROTECTED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHOULD NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY THE ECOLOGICAL REVIEW SECTION.
6. THESE CONSERVATION MEASURES DO NOT CONSTITUTE COMPLIANCE WITH THE FEDERAL ENDANGERED SPECIES ACT (ESA). THERE MAY BE OCCURRENCES OF FEDERALLY LISTED SPECIES IN NEW HAMPSHIRE THAT ARE NOT INCLUDED ON THE DATACHECK LETTER. PLEASE VISIT THE US FISH AND WILDLIFE SERVICES (USFWS) INFORMATION FOR PLANNING AND CONSULTATION WEBSITE (IPAC; [HTTPS://PAC.ECOSHERE.FWS.GOV/](https://pac.ecosphere.fws.gov/)) FOR AN OFFICIAL LIST OF FEDERALLY LISTED SPECIES THAT MAY BE PRESENT IN YOUR PROJECT AREA. IF A FEDERAL AGENCY IS INVOLVED IN YOUR PROJECT THROUGH FUNDING, PERMIT, OR OTHER AUTHORIZATION, COORDINATE YOUR IPAC RESULTS WITH YOUR POINT OF CONTACT AT THE AGENCY FOR FURTHER ESA REVIEW. IF THERE IS NO FEDERAL AGENCY NEXUS TO YOUR PROJECT, AND YOU DETERMINE THROUGH IPAC, HABITAT EVALUATIONS, ETC. THAT A PROJECT MAY CAUSE TAKE OF A FEDERALLY LISTED SPECIES, WE RECOMMEND COORDINATING WITH THE USFWS' NEW ENGLAND FIELD OFFICE (NEWENGLAND@FWS.GOV; 603-223-2541).
7. THE ECOLOGICAL REVIEW SECTION, ITS EMPLOYEES AND AUTHORIZED AGENTS, SHOULD HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.





# BANKS PARKING LOT ADDITION Site Lighting Layout



Schedule										
Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Lumens per Lamp	LLF	Wattage	Polar Plot
□	S4		10	RSX4 LED P4 50K R4 MVOLT HS SPA NLTAIR2 PIRHN DDBXD with SSS 25 4G DM19AS DDBXD	RSX LED Area Fixture with P4 Output and Type R4 Distribution with HS shield; mounted at 25ft	LED	36853	0.9	430.62	
◀ ▶	2S4		3	RSX4 LED P4 50K R4 MVOLT SPA NLTAIR2 PIRHN DDBXD with SSS 25 4G DM28AS DDBXD	2 RSX Area Fixtures with P4 Output and Type R4 Distribution; mounted at 25ft	LED	56197	0.9	861.2378	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Outside of Parking Lot	+	0.3 fc	11.5 fc	0.0 fc	N/A	N/A
Parking Lot	+	9.6 fc	25.7 fc	1.2 fc	21.4:1	8.0:1

Designer  
Heidi G. Connors  
Visible Light, Inc.  
24 Stickney Terrace  
Suite 6  
Hampton, NH 03842  
Date  
11/18/2025  
Scale  
1"=30'  
Drawing No.  
Summary