



## WP-25-22

Wetlands Permitting

Status: Active

Submitted On: 8/21/2025

### Primary Location

124 LAKE ST  
Coventry, CT 06238

### Owner

COVENTRY TOWN OF  
1712 MAIN ST COVENTRY, CT 06238

### Applicant

 James Drumm  
 jdrumm@coventry-ct.gov

Applicant/Owner Information: Please note that "?" bubbles throughout the application provide additional helpful information when hovered over.

### Applicant Information

Applicant's Association to Owner:\* 

Applicant Business Name (if applicable)

Owner

### Additional Information

Additional Agent, Engineer, Contractor Information (if applicable):

Todd M. Penney, P.E., Town Engineer

## Wetlands Permitting

Type of Wetlands Application:\*

Regulated Activity Application

Regulated Activity Being Applied For: \*

Activity Within a Wetlands Upland Review Area

## Activity/Project Information

### Description of Proposed Activity(s):\*

The project proposes to execute the 2024 STEAP Grant award for playscape improvements for Patriots Park.

The application no longer includes an aerator for just outside the Patriots Park Designated Swim area.

Distance in Feet from Regulated Wetlands/Watercourse:\*

86

Square feet of Wetlands, Watercourse and/or Regulated Area Impacted:

3600SF in URA

Describe measures (if any) that will be taken to minimize the impact on wetlands, watercourses, and the regulated areas:

Erosion and Sedimentation Controls will be incorporated and maintained during the construction activities. Turf Establishment will be incorporated for all disturbed areas not paved or playscaped surface.

Any additional and/or pertinent information:

All playscape surfaces shall be 100% permeable.

Is any portion of the property on which the regulated activity is proposed located within 500 feet of an adjoining municipality?\*

No

---

# Acknowledgments

**MANDATORY PRE APPLICATION FOR ALL LAND USE, HEALTH, AND BUILDING APPLICATIONS** Except for interior work in existing buildings and exterior work that does not expand or alter the footprint of an existing building. Effective October 1, 2005 no Land Use, Health or Building application for a permit may be filed until the holder(s) of any conservation restriction or preservation restriction on the subject property has been notified. Please see the attached legislation, PA 05-124. Please provide the name of the property owner(s) and street address of the property for which one of the above applications will be submitted and complete either A or B below. Property Owner(s): Address of Permit Application: A. I hereby certify there are NO conservation easements or restrictions nor any preservation restrictions on the above referenced property. B. There ARE conservation easements or restrictions or preservation restrictions on the above referenced property. Name/Phone Number of Restriction Holder: Please attach one of the following: 1. Proof that the holder of the conservation or preservation restriction was notified by certified mail return receipt requested of the property owner's intent to apply for a Land Use, Health or Building permit in the [[orgFullName]]. 2. A letter from the conservation or preservation restriction holder verifying that the application is in compliance with the terms of the restriction.\*



The undersigned electronic signature hereby grants permission to this Agency and its Agent to conduct any necessary inspections of this property, at reasonable times, both before and after the permit in question has been granted by the Agency/Agent.\*



I HEREBY ACKNOWLEDGE AND CERTIFY THAT I'M PERSONALLY FAMILIAR WITH ALL THE INFORMATION PROVIDED IN THIS APPLICATION AND THAT ALL STATEMENTS AND REPRESENTATIONS MADE ARE TRUE TO THE BEST OF MY KNOWLEDGE. I FURTHER CERTIFY THAT I AM AWARE OF THE PENALTIES FOR OBTAINING A PERMIT THROUGH DECEPTION OR THROUGH INACCURATE OR MISLEADING INFORMATION.\*



I agree that my electronic signature below warrants the truth of all statements contained herein and in all supporting documents according to the best of the Agent &/or Owner(s) knowledge and belief, and that it is equivalent to a handwritten signature and is binding for all purposes related to this transaction.\*

 Todd M. Penney  
Aug 21, 2025



# Town of Coventry

Land Use Office - Wetlands

1712 Main Street • Coventry, CT 06238

Lindsay Beutler • Environmental Planner / Wetlands Agent

Phone: 860-531-2886 • Fax: 860 742-4059 • Email: lbeutler@coventry-ct.gov



Date: September 15, 2025

To: James Drumm, Owner/Applicant; Todd Penney, Agent

Re: 25-22W – 124 Lake Street – Patriots Park

Proposed underwater aerator to address bacteria levels in Patriots Park swimming area and playscape improvements.

Review Memorandum

---

The Inland Wetlands Agency (IWA) received your above referenced Regulated Activities Permit application at its August 27, 2025 meeting and scheduled the application to be reviewed for potential action at its September 24, 2025 regular scheduled meeting. The application is supported by a site plan prepared by Todd Penney, P.E., Patriots Park Master Plan Schematic Concept, aeration feature concept plan, and erosion control details. The application proposes:

1. Demo of existing playgrounds and stabilize area with mulch and lawn grass in upland review area and install new playground outside the upland review area
2. Attach an aerator to a mooring outside the Patriots Park swimming area to address bacteria levels in swimming area
3. Disturbances
  - Wetland Area: 0sqft
  - Upland Review Area: 3,600sqft

I reviewed the application and visited the site with your Agent, Todd Penney., on August 13, 2025, and August 25, 2025, to review the actual field conditions. Comments from my review are as follows:

- The existing playgrounds are proposed to be replaced by mulch and lawn grass, explain the change (if any) in permeability.
- The proposal for the aerators is conceptual, please provide a more concrete plan.
- Provide details concerning the operations and maintenance of aerators.
- Recommend incorporating North Central Conservation District's comments and recommendations into final proposal.

The application will be on the September 24, 2025 Regular Meeting Agenda. It would be helpful to have any responses to these comments and additional application materials submitted in writing prior to the meeting. Please note that additional comments may be required based on the responses. You can reach me at the contact information above.



AVON ▪ BLOOMFIELD ▪ BOLTON ▪ BRISTOL ▪ BURLINGTON ▪ CANTON ▪ COVENTRY ▪ EAST GRANBY ▪ EAST WINDSOR ▪ EAST HARTFORD ▪ ELLINGTON  
ENFIELD ▪ FARMINGTON ▪ GLASTONBURY ▪ GRANBY ▪ HARTFORD ▪ MANCHESTER ▪ PLAINVILLE ▪ SIMSBURY ▪ SOMERS ▪ SOUTH WINDSOR  
STAFFORD ▪ SUFFIELD ▪ WEST HARTFORD ▪ WETHERSFIELD ▪ TOLLAND ▪ VERNON ▪ WILLINGTON ▪ WINDSOR ▪ WINDSOR LOCKS

Date: September 11, 2025

To: Lindsay Beutler, Town of Coventry Wetland Agent  
Todd Penney, Town of Coventry Engineer

From: Alyssa Barroso, Natural Resource Specialist, Reviewer  
Joanna Shapiro, Executive Director, Editor

Re: Patriots Park Improvements, Coventry, Connecticut 06238

---

This letter is limited to a review of the proposed construction and erosion control plans for the Patriots Park Improvement Project.

### **Introduction & Background**

District staff inspected the site on August 25, 2025, accompanied by Town of Coventry Wetland Agent Lindsay Beutler and Town Engineer Todd Penney, and reviewed the plans prepared by the Town of Coventry, titled “Patriot’s Park – STEAP Grant” dated August 22, 2025. Prior to the on-site visit, District staff also reviewed current and historical aerial, topographic, soils, and other related maps of the site.

The proposed work includes placement of a mooring with a device to aid with lake circulation and aeration, the removal of an existing playscape and installation of an improved playscape in a different location, and creation of ADA-compliant bituminous sidewalk paths, along with associated grading. The site is public land and contains the Coventry Senior Center, a pavilion, a basketball court, playground areas, a beach area with access to Coventry Lake, various small buildings for storage and recreational uses, and a paved parking lot and paths.

Based on the Natural Resources Conservation Service Web Soil Survey, the soil throughout the project area is Canton and Charlton fine sandy loams, 3-8% and 8-15% slopes, very stony. The drainage class of this soil is rated as well drained. The erosion hazard of this soil is rated as moderate.

### **Observations & Recommendations**

There are several attributes to this application that will mitigate environmental impact. There is roughly ½ acre of site disturbance, and much of the site work is being done outside of the 150-ft upland review area established around Coventry Lake.

The installation of an aeration feature in the lake could significantly improve water quality in the beach area, and even decrease the likelihood and severity of toxic algal blooms. The Plan shows the use of several trolling motors attached to a mooring, each of which contain a quiet electric motor to gently circulate and aerate the water. Since the proposed motors are electric, there is no risk of releasing gas or other hydrocarbon-containing compounds into the lake, and they should not create enough noise to disturb humans or wildlife. The devices are also not powerful enough to stir up a significant amount of silt, as long as they are kept sufficiently above the lake bed. Overall, these devices should not disturb aquatic life or the physical properties of the lake in any detrimental way, and are likely to improve water quality in the beach area.

The current playscape area will remain mulched and the current swing set area will be converted to lawn. The area that will host the new playscape is currently lawn and will be converted to a mulch bed, i.e. there is essentially a net zero change in groundcover, with the only additional impervious surface being a bituminous sidewalk path. The longer section of this path already exists as an 8-ft wide compacted gravel drive, which will be converted to a 5-ft wide bituminous sidewalk. The only newly impervious pathway will run in front of the parking stalls. Mulch, the groundcover for the playscape area, is a very effective runoff control. It absorbs water, reduces raindrop erosion, and its porous structure promotes percolation into the ground below, more effectively than lawn in most cases.

- In steep areas (over 8% slope) and areas within 50' of the lake, a double layer of E&S controls should be installed, per the current Connecticut Guidelines for Soil Erosion and Sediment Control. This can consist of two lines of the same E&S control, such as silt fence, or lines of two different E&S controls, such as silt fence combined with a straw wattle.
- The District suggests the use of alternate erosion & sedimentation controls, such as straw wattles, in areas that are not conducive to the proper installation and entrenchment of silt fence due to steep slopes, tree roots, and/or rocky conditions.

During the site walk on August 25<sup>th</sup>, large patches of Japanese knotweed and Tree-of-heaven were noted.

- The District recommends removing the invasive plants and replacing them with native plants. Ongoing maintenance will be required to keep the invasives from recolonizing the area and outcompeting the native plants. A guide for slope plantings with recommended native plants is appended.

### Conclusion

Based on the District's assessment of the site and review of project plans, incorporation of the bulleted recommendations above will reduce impacts to both on-site and off-site wetland and watercourse resources.

Thank you for the opportunity to comment.

Sincerely,



Alyssa Barroso  
Natural Resource Specialist, Reviewer



Joanna Shapiro, Executive Director  
Executive Director, Editor

# Appendix: Planting on Slopes

(plants all native to Connecticut)

Compiled by North Central Conservation District, Ruth Klue

## General Considerations

1. Tops of slopes are generally drier than you might think, since water tends to drain downhill instead of soaking into the soil. Use plants that should be able to survive without irrigation, since soil erodes from slopes saturated with irrigation water. Study different areas of your slope to determine naturally-occurring variance of moisture and light levels.
2. Use a variety of mostly native shrubs, perennials, and grasses for the best slope protection. The varying plants will have root systems of varying depths, stabilizing more area of slope soil. Planting younger vegetation tends to result, in the long run, in more successful root systems.
3. Don't plant big trees with heavy canopies or shallow roots. There is a risk that the trees could topple, or that heavy shade from the trees could kill undergrowth, leaving bare soil susceptible to erosion. If you wish to plant trees on the slope, use smaller trees, sparingly, and keep lower vegetation growing underneath them.
4. While turf grass on slopes helps reduce raindrop-type erosion, its roots are shallow, which can lead to clumps of grass sliding downhill in wet conditions.
5. Mulch in between plants until they grow to fill in the area. Mulch helps hold the soil, and prevents growth of invasive plants.
6. Many of the recommended plants spread by rhizomes and runners, and can often colonize and stabilize a slope quite successfully. If you wish to prevent colonizing beyond the slope, contain with an edging. Make sure not to use non-native plants known to be invasive. For a list of plants invasive to our area, visit this website: <http://invasives.uconn.edu/ipane/>
7. If your slope is extremely erodible, call your local conservation district for consultation.

## Suggested Plants

### *Trees* (see above #3)

**Amelanchier species (Shadbush/Serviceberry)**

**Cersis canadensis (Redbud)**

**Cornus florida or alternifolia (Dogwood species)**

### *Shrubs*

**Aronia species (Red or Black Chokeberry)** 6' to 10' x 3' to 5', suckering, colonizing shrub with numerous, slender stems, brilliant red fall color, persistent red fall fruit eaten by birds. Fall color best in sun, but tolerates part shade, dry or wet sites, easily established, colonizes. Good in massing, useful for stabilizing banks.

**Clethra alnifolia** 5-8' upright, slowly spreading. Fluffy, bottle brush-like, extremely fragrant white flowers late summer. Glossy green leaves turn luminescent yellow in autumn. Moist to wet soil, sun to shade. Spreads slowly by rhizomes. Flowers attract butterflies and bees.

**Cornus amomum (Silky Dogwood)** 6 to 8' vigorous shrub, creamy white spring flowers, lovely blue fruits beloved by wildlife, sun to part shade, moist to wet sites.

**Cornus racemosa (Gray Dogwood)** 10-15', white spring flowers, purplish red foliage in fall, white fruits with red stems. Wet to medium dry soil in full sun to part shade. Will grow in poor soil. Spreads to form thickets.

**Cornus stolonifera (Red-osier Dogwood)** 6-10', rapid-growing, multi-stemmed, showy bright red winter stems, porcelain blue summer fruit attracts birds, reddish purple fall foliage. Moist to wet, full sun to part shade. Deep spreading roots help combat soil erosion.

**Myrica pensylvanica (Bayberry)** 6-10', glossy, grayish-green leaves, clusters of grayish-white fruits (need one male for pollination). Full sun to part shade, dry to medium wet. Good in groups or massed. Tends to sucker, and form sizeable colonies. Attractive to birds

**Potentilla fruticosa (Shrubby cinquefoil)** 2-4', attractive grey-green foliage, yellow flowers all summer. Sun to part shade, medium wet to dry, well-drained soils in full sun to part shade. Tolerates poor dry soils. Drought tolerant once established.

**Rhus aromatica (Fragrant Sumac)** 2' to 6' x 6' to 10' dense irregularly branched shrub, glossy dark green foliage, orange to reddish-purple fall color, red fruit on females. Suckering growth habit enables it to spread rapidly as groundcover. Sun to part sun, moist to dry, well-drained. Good for massing and bank cover. **Cultivar 'Gro-low'** 2'x8', tolerates difficult conditions.

**Salix discolor (Pussy Willow)** Vigorous medium-large shrub that can stabilize wet slopes and banks. Tolerates sun and shade.

**Vaccinium corymbosum (Blueberries)** 6-10', twiggy rounded shrub, dense dark green foliage, white May flowers, summer fruits, bright red or yellow fall color, wet to moderately dry, sun to part shade. Sun to part shade, but more fruit and better fall foliage in sun. Medium wet to wet, well-drained acid soils. Shallow-rooted, mulch around the roots. Attracts wildlife.

**Viburnum cassinoides (Witherod Viburnum)** 5' to 6' dense multi-stemmed shrub with arching branches, creamy white flowers in June, red to purple fall color, pink fruit changing to black. Sun to part shade, dry to fairly wet soil, easy to grow, moderate growth rate. Good in masses, attracts birds.

**Viburnum dentatum (Arrowwood)** 5' to 9' dense, multistemmed shrub, upright spreading branches, suckers profusely from base. Creamy white flowers in May/June, yellow or red-purple fall color, black fruit attracts birds. Sun to partial shade, dry to fairly wet, easy to grow, good in masses.

### ***Perennials and Ground Covers*** (preferred moisture levels after name)

#### **Sun to Part Sun:**

**Asclepias verticillata (Whorled Milkweed)**  
**Aster species** wet to dry, depending on type  
**Baptisia australis (Wild Indigo)** dry to medium  
**Eryngium yuccifolium (Rattlesnake-master)** dry to medium  
**Monarda punctata, fistulosa (Bergamot)** medium to wet  
**Rudbeckia laciniata (Green-Eyed Coneflower)** medium  
**Solidago species (Goldenrod)** dry to medium wet, depending on type  
**Verbena hastata (Blue Vervain)** dry to moist

#### **Part shade to shade:**

**Asarum canadense (Wild Ginger)** medium to wet  
**Aster divaricatus (White Wood Aster)** dry to moist  
**Aquilegia canadensis (Wild Columbine)** medium  
**Chelone glabra (Turtlehead)** medium to wet  
**Cimicifuga racemosa (Black Snakeroot)**  
**Geranium maculatum (Wild Geranium)** medium  
**Lobelia cardinalis (Cardinal Flower)** wet to moist  
**Phlox divaricata (Wild Blue Phlox)** medium  
**Polemonium reptans (Creeping Jacobs Ladder)** medium  
**Polygonatum biflorum (Solomon's Seal)** medium to wet  
**Smilacina racemosa (False Solomon's Seal)**  
**Tiarella cordifolia (Foamflower)** medium  
**Viola species (Violets)** dry to medium



# Town of Coventry

Office of the Town Engineer  
Todd M. Penney, P.E. - Town Engineer  
1712 Main Street • Coventry, CT 06238

Phone: 860 742-4078 Fax: 860 742-5467 Email: tpenney@coventry-ct.gov

*TM Penney*

Date: September 18, 2025

To: Coventry Inland Wetlands Agency (IWA)  
Via Lindsay Beutler, Environmental Planner

Re: Response to Comments  
Application: WP-25-22  
STEAP Grant: Improvements to Patriots Park

---

The IWA received the above application at its August 24, 2025, Meeting. The application covered regulated activities associated with the Town's award of 2023 Small Town Economic Assistance Program (STEAP) to improve water quality at the swimming areas, geese control and upgrading and accessibility improvements for the Park's playscapes.

The Town is removing the water quality feature (Aerator/mooring) at this time due to misunderstanding of the concept plan presented to Town Staff by GZA GeoEnvironmental. This activity will be submitted under a new application with GZA GeoEnvironmental as the Town's Agent/Expert.

No other Geese Control Measures are being considered as part of this application. Geese control will continue to be on-going under the Parks and Public Works Departments general (daily) maintenance.

Therefore, the only regulated activity to be reviewed is the ground disturbance and soil & erosion control measures within the 150-Foot upland review area of the regulatory 515 contour limit of Coventry Lake.

Said disturbances remain unchanged from the application:

- Actual Wetland/Watercourse Disturbance: 0 Square Feet
- Upland Review Area (URA) Disturbance: 3,600 Square Feet
- Closest Distance from Wetland/Watercourse to Disturbance: 86 Feet.

## **Comments on Playscape Demolition and New Installation:**

**Runoff analysis for proposed activities (inside and outside the URA):** Runoff is determined by the area of watershed, the land-use coefficient and the rainfall intensity. For our project only the land-use coefficients will be altered so I included a spreadsheet that compares the existing conditions versus the proposed. I can attest that there will be a minor change in the negative to reduce the total amount for runoff to Coventry Lake.

## **North Central Conservation District – September 11, 2025 Memo.**

### **Suggestions:**

***In steep areas (over 8% slope) and areas within 50' of the lake, a double layer of E&S Controls should be installed per the current Connecticut Guidelines for Soil Erosion and Sediment Control. This can***

September 18, 2025

Response to Comments for Application WP-25-22

*consist of two lines of the same E&S Control, such as Silt Fence, or lines of two different E&S controls, such as silt fence combined with straw wattle.* The plans have been updated to call out the installation of 9” (minimum) straw wattle backed by silt fence.

*The district suggests the use of alternate erosion & sedimentation controls, such as straw wattles, in areas that are not conducive to the proper installation and entrenchment of silt fence due to steep slopes, tree roots, and/or rocky conditions.* The Town is very flexible in the use of straw wattles for construction. At this time, we do believe we will be able to install silt fence in the appropriate entrenchment.

*The District recommends removing the invasive plants and replacing them with native plants. On-going maintenance will be required to keep the invasives from recolonizing the area and outcompeting native plants. A guide for slope plantings with recommended native plants is appended.* The specified Japanese Knotweed and Tree of Heaven are primarily located on the existing slope to the east of the existing gravel driveway where the new 5-foot bituminous concrete sidewalk is proposed. This slope will undergo excavation, to the point where all roots will be eradicated. The final 3 to 1 slope will be placed with 4” of screened topsoil and seeded with a lawn mix. A lawn seed mixture is being proposed to allow for a maximum grant fund exposure to the grant entities.

Weighted Runoff Coefficients  
Patriots Park - Playscape Construction  
IWA Permit No. WP-25-22

Swing Set Area - Existing				Existing Swing Set Area - Proposed			
Surface	Coefficient	Area	CN	Surface	Coefficient	Area	CN
Lawn	61	0.0111918	0.6826998	Lawn	61	0.051584	3.146624
Wood Mulch	20	0.0392562	0.785124	Wood Mulch	20	0	0
Bit Walk	98	0.001136	0.111328	Bit Walk	98	0	0
		0.051584	1.5791518			0.051584	3.146624
			30.61				61.00

Existing Playscape Area - Existing				Existing Playscape Area - Proposed			
Surface	Coefficient	Area	CN	Surface	Coefficient	Area	CN
Lawn	61	0	0	Lawn	61	0	0
Wood Mulch	20	0.0560147	1.120294	Wood Mulch	20	0.0560147	1.120294
Bit Walk	98	0	0	Bit Walk	98	0	0
		0.0560147	1.120294			0.0560147	1.120294
			20.00				20.00

Existing Lawn for New Playscape Area - Existing				Existing Lawn for New Playscape Area - Proposed			
Surface	Coefficient	Area	CN	Surface	Coefficient	Area	CN
Lawn	61	0.330604	20.166844	Lawn	61	0.165190854	10.07664209
Wood Mulch	20	0	0	Wood Mulch	20	0.157334711	3.146694215
Stone Wall	60	0.004722	0.28332	Retain'g walls	98	0.0097153	0.952102847
Gravel Drive	85	0.0392447	3.3357995	Gravel Drive	85	0	0
Bit Walk/Drive	98	0.0788958	7.7317884	Bit Walk/Drive	98	0.1212256	11.8801088
		0.4534665	31.5177519			0.4534665	26.05554796
			69.50				57.46

		0.5610652	34.2171977			0.5610652	30.32246596
		Weighted CN Value:	60.99			Weighted CN Value:	54.04

Proposed Weighted CN Value (54.04) is less than Existing Weighted CN Value (60.99) therefore Runoff for proposed site will be less than Existing.



MAP REFERENCES:  
 1. 2016 COVENTRY AERIAL PHOTOGRAPHY DATA LAYER BASED ON NAD 1983  
 2. 2016 STATE OF CONNECTICUT LIDAR CONTOUR DATA ON NGVD 1988.  
 3. BOUNDARY LINES DEPICTED ARE FROM A-2 BOUNDARY MAPS ON FILE IN THE COVENTRY LAND RECORDS AND COMPILED BY THE ENGINEERING DEPARTMENT.

NOTES:  
 1. REGULATORY WETLAND LIMIT LINE OF 515 WAS ESTABLISHED BY TOWN ENGINEER RECORDING WATER LEVEL AT LAKE GATE AND MEASURING LAKE LEVEL AT PAT'S PARK BEACH. IT IS ACCURATE LOCATION BY ±TWO (2) FEET HORIZONTALLY.

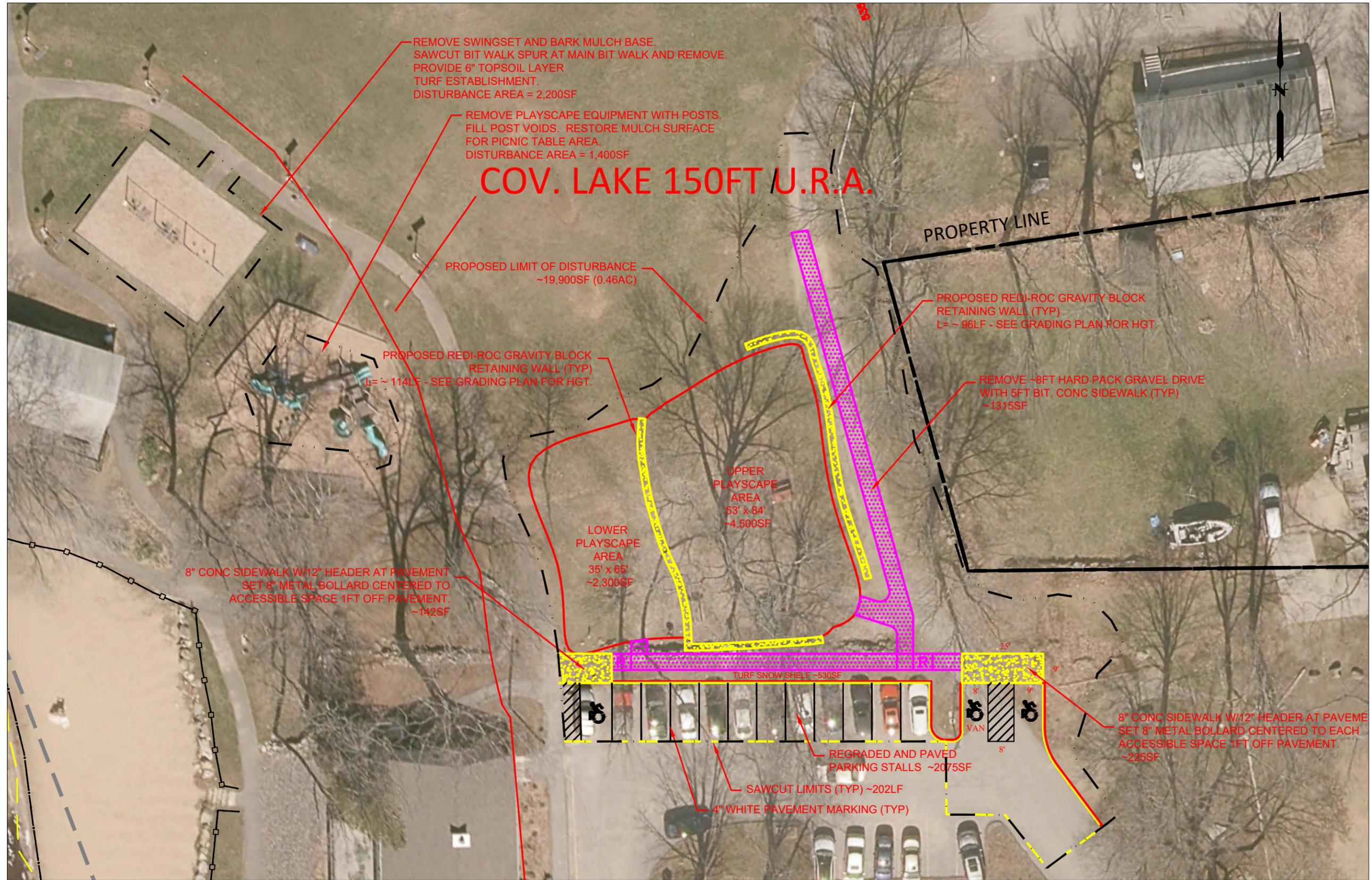
SCALE: HORIZ.: 1" = 80' VERT.: 1" = 40'		REVISIONS		SEAL		TOWN OF COVENTRY		TOWN OF COVENTRY	
DATE: 8/22/25		NUM	DATE			PATRIOT'S PARK - STEAP GRANT EXISTING CONDITIONS 124 LAKE STREET Coventry, Connecticut		OFFICE OF THE TOWN ENGINEER 1712 Main Street * Coventry, CT * 06238	
PROJECT No.: E-01		COMMENT							
DATE: 8/22/25									
GRAPHIC SCALE									



MAP REFERENCES:  
 1. 2016 COVENTRY AERIAL PHOTOGRAPHY DATA LAYER BASED ON NAD 1983  
 2. 2016 STATE OF CONNECTICUT LIDAR CONTOUR DATA ON NGVD 1988.  
 3. BOUNDARY LINES DEPICTED ARE FROM A-2 BOUNDARY MAPS ON FILE IN THE COVENTRY LAND RECORDS AND COMPILED BY THE ENGINEERING DEPARTMENT.

NOTES:  
 1. TEST HOLES PERFORMED BY PUBLIC WORKS AND ENGINEERING ON JULY 15, 2025 TO DETERMINE DEPTH OF LEDGE TO DEPTH OF EXCAVATION. NO LEDGE ENCOUNTERED.

SCALE: HORIZ.: 1" = 40' VERT.: 1" = 40'		REVISIONS		SEAL		TOWN OF COVENTRY		TOWN OF COVENTRY	
DATE: 8/22/25		NUM	DATE			OFFICE OF THE TOWN ENGINEER		1712 Main Street * Coventry, CT * 06238	
COMMENT		1	9/18/25			Patriot's Park - STEAP Grant		124 LAKE STREET	
REMOVED AERATOR						EXISTING CONDITIONS - SITES		Coventry	
DATUM: NAD 83						CONNECTICUT			
HORIZ.: NAD 83									
VERT.: NGVD 1988									
0 20 40									
GRAPHIC SCALE									
<b>E-02</b>									



REMOVE SWINGSET AND BARK MULCH BASE. SAWCUT BIT WALK SPUR AT MAIN BIT WALK AND REMOVE. PROVIDE 6" TOPSOIL LAYER TURF ESTABLISHMENT. DISTURBANCE AREA = 2,200SF

REMOVE PLAYSCAPE EQUIPMENT WITH POSTS. FILL POST VOIDS. RESTORE MULCH SURFACE FOR PICNIC TABLE AREA. DISTURBANCE AREA = 1,400SF

## COV. LAKE 150FT U.R.A.

PROPOSED LIMIT OF DISTURBANCE ~19,900SF (0.46AC)

PROPOSED REDI-ROC GRAVITY BLOCK RETAINING WALL (TYP) L= ~ 114LF - SEE GRADING PLAN FOR HGT.

PROPOSED REDI-ROC GRAVITY BLOCK RETAINING WALL (TYP) L= ~ 96LF - SEE GRADING PLAN FOR HGT.

REMOVE ~8FT HARD PACK GRAVEL DRIVE WITH 5FT BIT. CONC SIDEWALK (TYP) ~1315SF

UPPER PLAYSCAPE AREA 53' x 84' ~4,500SF

LOWER PLAYSCAPE AREA 35' x 65' ~2,300SF

8" CONC SIDEWALK W/12" HEADER AT PAVEMENT SET 8" METAL BOLLARD CENTERED TO ACCESSIBLE SPACE 1FT OFF PAVEMENT. ~142SF

TURF SNOW SHELF ~530SF

REGRADED AND PAVED PARKING STALLS ~2075SF

8" CONC SIDEWALK W/12" HEADER AT PAVEMENT SET 8" METAL BOLLARD CENTERED TO EACH ACCESSIBLE SPACE 1FT OFF PAVEMENT. ~225SF

SAWCUT LIMITS (TYP) ~202LF

4" WHITE PAVEMENT MARKING (TYP)

**MAP REFERENCES:**

- 2016 COVENTRY AERIAL PHOTOGRAPHY DATA LAYER BASED ON NAD 1983
- 2016 STATE OF CONNECTICUT LIDAR CONTOUR DATA ON NGVD 1988.
- BOUNDARY LINES DEPICTED ARE FROM A-2 BOUNDARY MAPS ON FILE IN THE COVENTRY LAND RECORDS AND COMPILED BY THE ENGINEERING DEPARTMENT.

**NOTES:**

1. DPW & ENG. DEPT TO EXECUTE ALL SITE WORK TO SUBBASE ELEVATION FOR PLAYSCAPE AREAS AND SIDEWALKS AND INSTALL REDI-ROC GRAVITY BLOCK RETAINING WALL. DPW WILL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES. DPW TO SUBCONTRACT ALL SIDEWALK, PAVEMENT, CURBING, SIGNAGE, CHAIN LINK FENCING, PAVEMENT MARKINGS, AND TURF ESTABLISHMENT.

SCALE: HORIZ.: 1" = 30'		VERT.: 1" = 15'	
REVISIONS		COMMENT	
NUM	DATE	CHANGE SHEET NUMBER	
1	9/18/25		
TOWN OF COVENTRY		OFFICE OF THE TOWN ENGINEER 1712 Main Street * Coventry, CT * 06238	
TOWN OF COVENTRY		Patriot's Park - STEAP Grant PROPOSED PLAYSCAPE IMPROVEMENTS LAYOUT	
Coventry		124 LAKE STREET Connecticut	
PROJ. No.:		DATE: 8/22/25	
P-03			



**SEDIMENT & EROSION CONTROL NARRATIVE**

THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND ANY ADJACENT WATER COURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFACE RUNOFF EROSION CONTROLS PRIOR TO THE BEGINNING OF THE PROJECT CONSTRUCTION.

**CONSTRUCTION SCHEDULE**

THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS ON OR ABOUT EARLY OCTOBER 2025 WITH COMPLETION TO BE ON OR ABOUT JUNE 2026. APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL SOIL DISTURBANCES. THE CONTRACTOR SHALL SCHEDULE THE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

**CONTINGENCY EROSION PLAN**

THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE TOWN OF COVENTRY SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

**CONSTRUCTION SEQUENCE**

THE FOLLOWING CONSTRUCTION SEQUENCE IS RECOMMENDED:

- CONTACT TOWN WETLANDS AGENT TO THE SCHEDULE A PRE-CONSTRUCTION MEETING FOR THE PROJECT A MINIMUM OF 5 BUSINESS DAYS PRIOR TO THE DISTURBANCE OF SOIL. IDENTIFY LIMITS OF WORK AND REVIEW ANTICIPATED EROSION CONTROL MEASURES AS OUTLINE IN THIS SEQUENCING.
- CALL CT "CALL BEFORE YOU DIG" AT 800-922-4455 (OR 811) TO IDENTIFY ALL UTILITIES WITHIN THE PROJECT LIMITS.
- REMOVE ALL TREES WITHIN THE PROJECT DISTURBANCE AREA. REMOVE ALL STUMPS. SAWCUT EXISTING PAVEMENT AS NOTED ON THE PLAN.
- INSTALL ALL EROSION AND SEDIMENTATION CONTROLS DEPICT ON THE GRADING PLAN SHEET. INSTALL SILT SACK AT THE LONE CATCH BASIN IN THE PARKING LOT.
- COMMENCE EARTH MOVING OPERATIONS. STRIP AND STOCKPILE EXISTING TOPSOIL IN THE LIMIT OF DISTURBANCE JUST TO THE NORTH OF THE ACTIVITY. PLACE A RING OF SILT FENCE FOR STOCKPILE. PERFORM CUT AND FILL OF SUBGRADE MATERIAL. SITE WILL PRIMARILY REQUIRE THE HAULING OF MATERIAL OFFSITE. ALL SURPLUS MATERIAL SHALL BE LEGALLY DISPOSED. TOWN OF COVENTRY WILL PERFORM WORK.
- COMMENCE CONSTRUCTION OF REDI-ROC GRAVITY BLOCK WALL TO LINE AND GRADE.
- FINE GRADE PLAYScape TO SUBGRADE ELEVATION BY THE TOWN OF COVENTRY. PLAYScape EQUIPMENT AND FINISH PERMEABLE SURFACE TO BE INSTALLED BY LICENSED CONTRACTOR.
- FINE GRADE SIDEWALKS, PAVEMENT, AND TURF AREAS TO SUBBASE GRADES BY TOWN OF COVENTRY. TOWN WILL SUBCONTRACTOR FINISH WORK FOR SIDEWALKS, PAVEMENT, PAVEMENT MARKINGS, SIGNAGE AND TURF ESTABLISHMENT TO LICENSED CONTRACTOR.
- THROUGHOUT CONSTRUCTION SEQUENCE, REMOVE SEDIMENT FROM SILT FENCES, HAY BALES AND OTHER EROSION CONTROL DEVICES, AND FROM SEDIMENTATION BASINS AND SEDIMENT TRAPS AS REQUIRED. REMOVAL SHALL BE ON A PERIODIC BASIS (EVERY SIGNIFICANT RAINFALL OF 1.0 INCH OR GREATER). INSPECTION OF EROSION CONTROL MEASURES SHALL BE ON A WEEKLY BASIS AND AFTER EACH RAINFALL OF 1.0 INCHES OR GREATER. SEDIMENT COLLECTED SHALL BE DEPOSITED AND SPREAD EVENLY UPLAND ON SLOPES DURING CONSTRUCTION.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED FOLLOWING STABILIZATION OF THE SITE UPON DIRECTION OF THE TOWN.

**INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES**

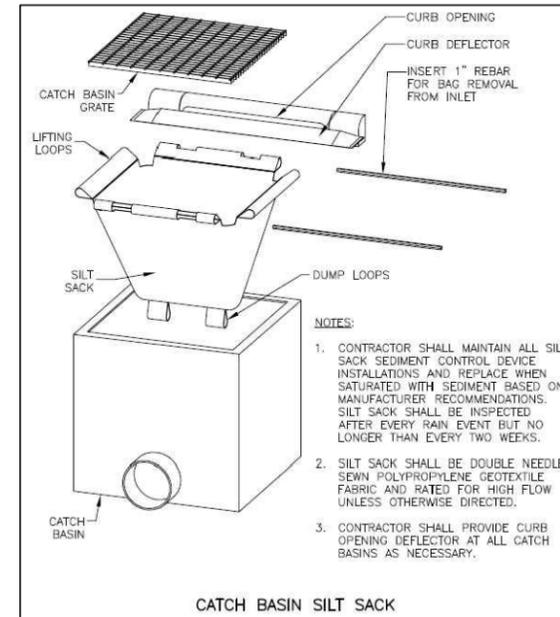
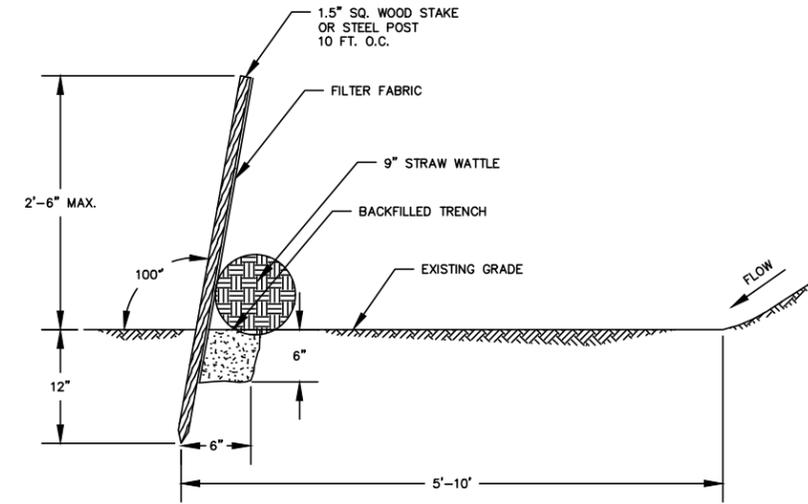
- SILT FENCE**
  - DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
  - POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
  - LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
  - BACKFILL THE TRENCH AND COMPACT.
- SILT SACKS**
  - PRIOR TO THE START OF EXCAVATION ALL CATCH BASINS SHALL BE FITTED WITH A SILT SACK.
  - GRATES SHALL BE REMOVED. SILT SACKS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDED INSTALLATION PRACTICES.
  - GRATES SHALL BE PLACED.

**OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES**

- SILTATION FENCE**
  - ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DETERIORATED FABRIC AND DAMAGED POSTS SHALL BE REPLACED AND PROPERLY REPOSITIONED IN ACCORDANCE WITH THIS PLAN.
  - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
- SILT SACKS**
  - SHALL BE INSPECTED AT THE SAME FREQUENCY OF THE SITE SILT FENCE.

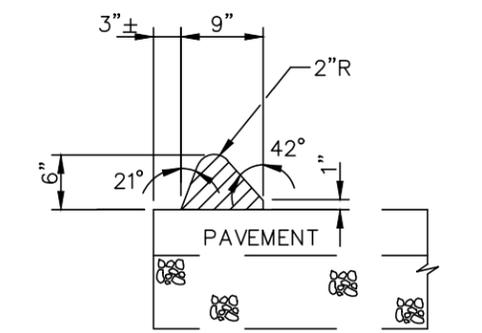
**SEDIMENT AND EROSION CONTROL NOTES**

- THE SEDIMENT AND EROSION CONTROL PLAN IS ONLY INTENDED TO DESCRIBE THE SEDIMENT AND EROSION CONTROL TREATMENT FOR THIS SITE. SEE SEDIMENT AND EROSION CONTROL DETAILS AND CONSTRUCTION SEQUENCE. REFER TO SITE PLAN FOR GENERAL INFORMATION AND OTHER CONTRACT PLANS FOR APPROPRIATE INFORMATION.
- THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THIS SEDIMENT AND EROSION CONTROL PLAN. THE CONTRACTOR SHALL PROVIDE THE TOWN WITH EMERGENCY CONTACT INFORMATION PRIOR TO CONSTRUCTION. THIS RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED WITH CONSTRUCTION ON THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, INFORMING THE GOVERNING AUTHORITY OR INLAND WETLANDS AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY, AND FOR CONVEYING A COPY OF THE SEDIMENT & EROSION CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
- VISUAL SITE INSPECTIONS SHALL BE CONDUCTED WEEKLY, AND AFTER EACH MEASURABLE PRECIPITATION EVENT OF 1.0 INCHES OR GREATER BY QUALIFIED PERSONNEL, TRAINED AND EXPERIENCED IN EROSION AND SEDIMENT CONTROL, TO ASCERTAIN THAT THE EROSION AND SEDIMENT CONTROL (E&S) BMPS ARE OPERATIONAL AND EFFECTIVE IN PREVENTING POLLUTION. A WRITTEN REPORT OF EACH INSPECTION SHALL BE KEPT, AND INCLUDE:
  - A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
  - THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION
- THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION & SEDIMENT CONTROL LATEST EDITION. LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS DIRECTED BY THE TOWN OF COVENTRY INLAND WETLANDS COMMISSION. THE CONTRACTOR SHALL KEEP A COPY OF THE GUIDELINES ON-SITE FOR REFERENCE DURING CONSTRUCTION.
- ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, ENGINEER, TOWN OF COVENTRY INLAND WETLANDS COMMISSION OR GOVERNING AGENCIES. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL IF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THE PLANS ARE PROPOSED.
- THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROLS BEFORE AND AFTER EACH STORM (1 NCHES OR GREATER RAINFALL), OR AT LEAST WEEKLY, TO VERIFY THAT THE CONTROLS ARE OPERATING PROPERLY AND MAKE REPAIRS WHERE NECESSARY.
- THE CONTRACTOR SHALL KEEP A SUPPLY OF EROSION CONTROL MATERIAL (HAY BALES, SILT FENCE, EROSION CONTROL MATTING, RIP RAP ETC.) ON-SITE FOR MAINTENANCE AND EMERGENCY REPAIRS.
- INSTALL PERIMETER SEDIMENT CONTROLS PRIOR TO CLEARING OR CONSTRUCTION. ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE LIMIT OF DISTURBANCE, WHICH SHALL BE MARKED WITH SILT FENCE, SAFETY FENCE, HAY BALES, RIBBONS, OR OTHER MEANS PRIOR TO CLEARING. CONSTRUCTION ACTIVITY SHALL REMAIN ON THE UPHILL SIDE OF THE SILT FENCE UNLESS WORK IS SPECIFICALLY CALLED FOR ON THE DOWNHILL SIDE OF THE FENCE.
- STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PADS MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED IF PILE IS TO REMAIN IN PLACE FOR MORE THAN 2 MONTHS.
- SEDIMENTATION BASINS SHALL PROVIDE 134 CUBIC YARDS OF SEDIMENT STORAGE PER DISTURBED ACRE CONTRIBUTING TO THE BASIN. PROVIDE BASIN VOLUMES FOR ALL DISTURBANCE ON SITE.
- COMPLY WITH REQUIREMENTS OF C.G.S. SECTION 22A-430B FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEP RECORD KEEPING AND INSPECTION REQUIREMENTS.
- STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY ON SITE EXCAVATION AND SHALL BE MAINTAINED DURING ALL EXCAVATION AND CONSTRUCTION ACTIVITIES.
- MINIMIZE LAND DISTURBANCES. SEED AND MULCH DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICABLE (2 WEEK MAXIMUM UNSTABILIZED PERIOD) USING PERENNIAL RYEGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY ON SLOPES WITH EROSION CONTROL BLANKETS OR JUTE CLOTH. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDDED WITH TACKIFIER.
- MAINTAIN EXISTING PAVED AREAS FOR CONSTRUCTION STAGING FOR AS LONG AS POSSIBLE. REMOVE AND REUSE BROKEN PAVEMENT LATER DURING ROUGH GRADING EARTHWORK PHASE IF INDICATED ON GRADING PLANS.
- SILT FENCE AND OTHER SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CONTRACT DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO WORK IN ANY UPLAND AREAS.

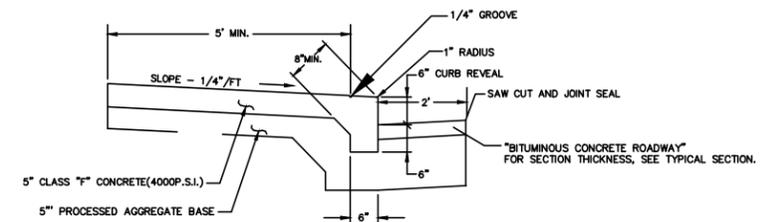
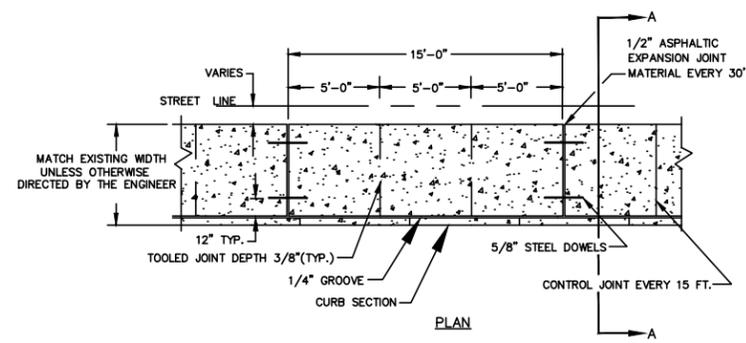


NOTES:  
1.

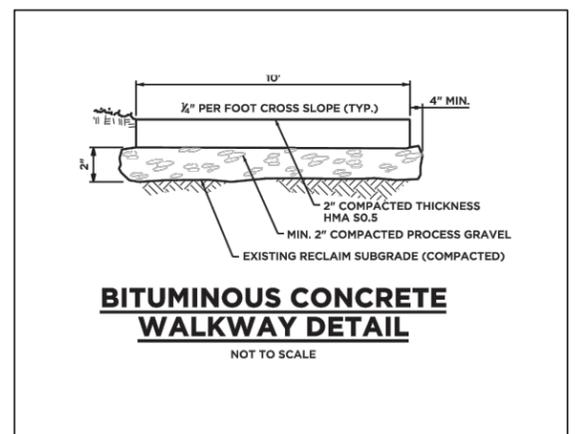
SCALE:	HORIZ.: 1" = 30'	VERT.:	
REVISIONS	NUM	DATE	COMMENT
	1	9/18/25	SHEET NUMBER, E&S DETAIL MOD.
TOWN OF COVENTRY			
OFFICE OF THE TOWN ENGINEER 1712 Main Street * Coventry, CT * 06238			
TOWN OF COVENTRY			
PATRIOT'S PARK - STEAP GRANT PROPOSED PLAYScape IMPROVEMENTS EROSION CONTROL DETAILS			
124 LAKE STREET Coventry Connecticut			
PROJ. No.:			
DATE: 8/22/25			
D-05			



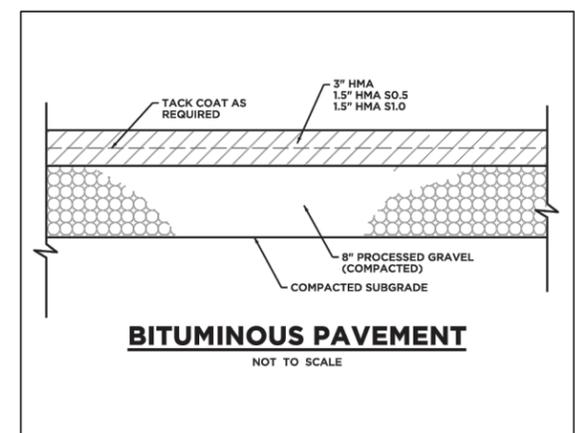
BITUMINOUS CONCRETE LIP CURB



SECTION A-A



BITUMINOUS CONCRETE WALKWAY DETAIL  
NOT TO SCALE



BITUMINOUS PAVEMENT  
NOT TO SCALE

**HANDICAP SIGN**  
NOT TO SCALE

**PARKING STALL DETAILS**  
NOT TO SCALE

NOTE: ALL STRIPING TO BE 4" WHITE

GENERAL NOTES:

- ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE.
- ACCESS AISLES (CROSS HATCH) SERVING CAR PARKING SPACES SHALL BE 60 INCHES (1525 mm) MINIMUM IN WIDTH. ACCESS AISLES SERVING VAN PARKING SPACES SHALL BE 96 INCHES (2440 mm) MINIMUM IN WIDTH. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. IF A CAR AND A VAN SPACE SHARE A COMMON ACCESS AISLE, THAT AISLE SHALL BE 96 INCHES MINIMUM IN WIDTH.
- PARKING SPACES MAY HAVE ACCESS AISLES PLACED ON EITHER SIDE OF THE CAR OR VAN PARKING SPACE. VAN PARKING SPACES THAT ARE ANGLED SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACE.

SCALE:	HORIZ.: 1" = 30'	VERT.: 1" = 30'	DATE:	9/18/25	SHEET NUMBER	1	COMMENT	
TOWN OF COVENTRY		TOWN OF COVENTRY		OFFICE OF THE TOWN ENGINEER		1712 Main Street * Coventry, CT * 06238		
TOWN OF COVENTRY		TOWN OF COVENTRY		Patriot's Park - Steap Grant		Proposed Landscape Improvements Construction Details		
Coventry		Coventry		124 LAKE STREET		Connecticut		
PROJ. No.:		DATE:		8/22/25				
D-06								