Town of Coventry, CT

August 25, 2025

WP-25-23

Wetlands Permitting
Status: Active
Submitted On: 8/22/2025

Primary Location

131 WOODLAND RD
Coventry, CT 06238

Owner

PRELLE LAURA G
131 WOODLAND RD
COVENTRY, CT 06238

Applicant

David "Kyle" Stearns
860-428-5151
dkscontracting@aol.com
2 STEARNS RD
STORRS, CT 06268

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

Applicant Information

Applicant's Association to Owner:*

Contractor

Applicant Business Name (if applicable)

D Kyle Stearns Contracting inc

Owner Information

Owner Name

David K Stearns

Owner Phone Number

(860) 450-1592

Owner Email Address

Kyle@dkylestearnscontracting.com

Owner Address

2 Stearns Rd Storrs, Ct

Additional Information

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

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):*

Install a 30' L X 5' to 6' plunge pool with 6" to 8" Riprap with 31' of 24" solid ADS discharge-
Culvert pipe continuing under existing asphalt driveway discharging into a 7' X 5' plash pad lined with 6" to 8" Riprap

Distance in Feet from Regulated Wetlands/Watercourse:*

1

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

350 to 400 Sq ft

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

Erosion Control- Silt fence - Geotextiles.

Any additional and/or pertinent information:

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 Pemit Application: A. I hereby certify there are NO conservation easements or restrictions nor any preservation restrictions on the above referenced propeerty. 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: I. 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.*

☑

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.*

☑

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 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.*

David k Stearns
Aug 20, 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: Laura Prelle, Owner; David "Kyle" Stearns, Applicant/Agent

Re: 25-23W – 131 Woodland Road
Proposed replacement of culvert pipe under paved driveway
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. from previous application in October 2024 and sketch drawn by David "Kyle" Stearns. The application proposes:

1. Install 31' of 24" solid ADS discharge culvert pipe continuing under existing asphalt driveway discharging into a 7' X 5' plash pad lined with 6" to 8" Riprap
2. Install a 30' L X 5' to 6' plunge pool with 6" to 8" Riprap
3. Disturbances
    - Wetland Area: 350-400sqft
    - Upland Review Area: TBD

I reviewed the application and visited the site with you and your Agent, David "Kyle" Stearns., on August 19, 2025. Comments from my review are as follows:

- The original plan for the drainage improvement project was created by Town Engineer, Todd Penney, P.E. and submitted under Wetlands Application #24-47. The scope of that submission included drainage improvements in Woodland Road right of way and drainage pipe replacement on private property at 131 Woodland Road. It was determined that the Town could not conduct the work on private property, so the application was withdrawn.
- The scope of wetlands application #25-23 is limited to improvements only on private property and are proposed to be completed by D Kyle Stearns Contracting Inc. During the site visit with your Agent, David "Kyle" Stearns, and Town Engineer, Todd Penney, on August 19, 2025, Todd provided his original plan to your Agent to use in this submission with the understanding that the grade calculations on the original plan need to be confirmed by your Agent.
- The original plan was reviewed by the North Central Conservation District, their review has been attached to this memo. The comments and recommendations by NCCD are still relevant to the scope of this submission.
- Provide a construction sequence and timeline for completion. Staff recommend the work be done during times of low flow. Add dewatering detail to site plan.
- Depict erosion and sedimentation controls on plan.
- If paving the driveway after drainage improvements is part of the scope, please add that activity to the application.

- The sqft of disturbance on the application states that the proposed activity will result in 350-400sqft of wetlands, watercourse, and/or regulated area impact. Please differentiate between how much of the disturbance will be in the wetlands/watercourse and how much of it will be in the upland review area.

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.

NORTH CENTRAL CONSERVATION DISTRICT, INC.
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: October 21, 2024

To: Lindsay Beutler, Town of Coventry Wetland Agent

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

Re: Drainage Improvement Plan, Woodland Road, Coventry, Connecticut 06238

This letter is limited to a review of the wetland application and related materials for the Woodland Road Drainage Improvement project.

Introduction & Background

District staff inspected the site on October 9, 2024, accompanied by Town of Coventry Wetland Agent Lindsay Beutler and Engineer Tech Mark St. Germain. District staff also reviewed the plans prepared by the Town of Coventry, titled "Town of Coventry Drainage Improvements", dated September 24, 2024, in addition to current and historical aerial, topographic, soils, and other related maps of the site.

The proposed work includes improvements to the current drainage system on the public Woodland Road, including the addition of new, and replacement of existing, culverts with added inlet protection, as well as reshaping a roadside swale, and constructing four catch basins. On 131 Woodland Road, a private residential property which contains the final outlet that discharges to Coventry Lake, one collapsed culvert will be replaced, and a riprap plunge pool, swale, and splash pad will be constructed.

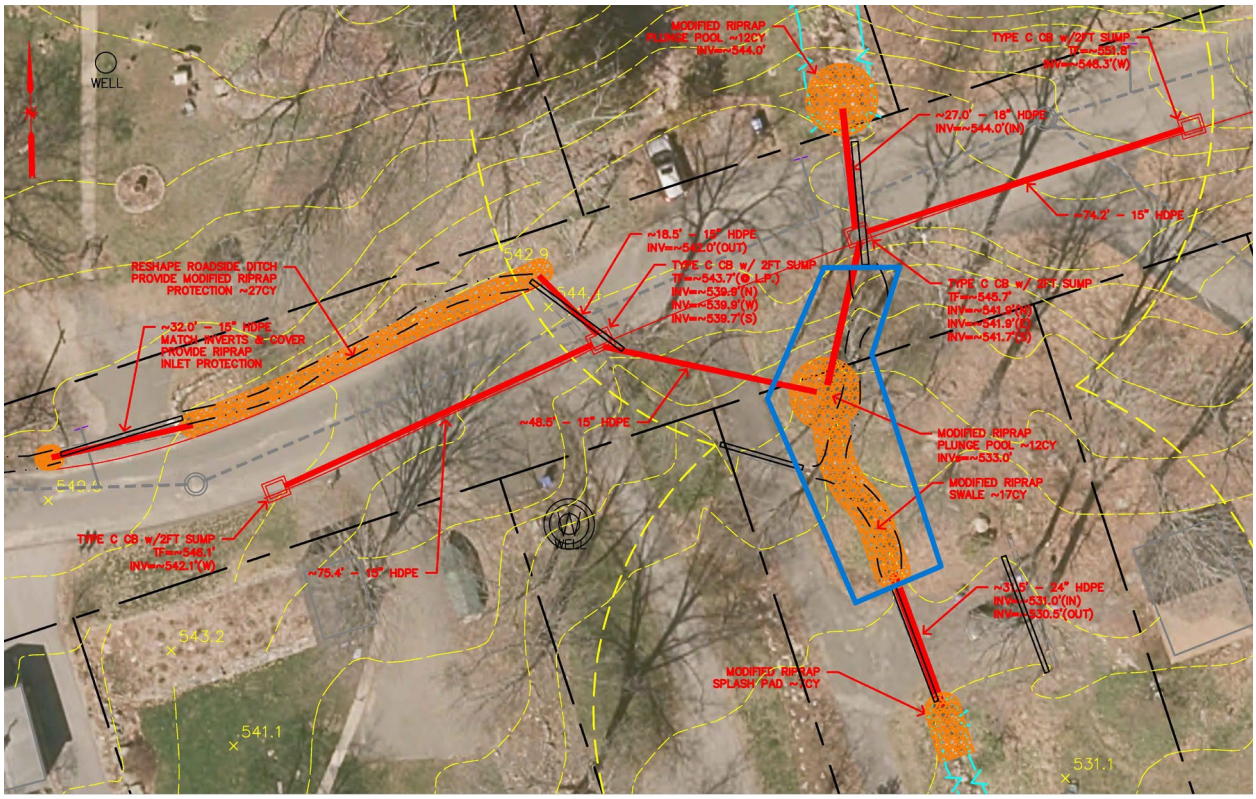
Based on the Natural Resources Conservation Service Web Soil Survey, the soil throughout the project area is the well-drained very rocky Charlton-Chatfield complex. There are sections of 0-15 percent slopes which carry a moderate erosion hazard, and sections of 15 to 45 percent slopes which carry a severe erosion hazard.

Observations & Recommendations

Based on field conditions observed during the October 9th site walk, there are several problem areas which necessitate this work. Specifically, the swale along Woodland Road has filled in with sediment and vegetation and no longer has a defined path to contain the flow of water. Also, the culvert running under the lower driveway at 131 Woodland Road has completely collapsed. There is evidence of erosion on the sides of Woodland Road and along resident driveways.

In terms of on-site resources, the District observed an apparent section of watercourse that was not mapped as such on the project plans. An intermittent watercourse runs perpendicular to Woodland Road, down the slope north of the road, crossing under the road via a culvert, and

resurfacing on 131 Woodland Road until it is piped below a driveway turnaround, and finally resurfaces again prior to its discharge to Coventry Lake. The project plans indicate that this is a watercourse north of Woodland Road, and again south of the driveway crossing, but not between the two culverts (see blue outline in image below). That segment appears likely to meet the definition of a watercourse based on field conditions, and also joins the upstream and downstream sections of the watercourse, and would generally be considered a watercourse for regulatory purposes.



To assess proposed impacts to wetlands and watercourses, it is necessary to recognize what resources are present, particularly when direct disturbance is proposed. Project plans indicate that this section of watercourse would be directly altered, the northern portion of it would be piped and filled, and the rest lined with rip-rap. Direct alternations may be warranted, yet should be made clear for the Inland Wetland Commission's consideration.

- Indicate on both project plans and the application form (calculations and narrative) that the "ditch" on 131 Woodland between two sections of watercourse is also a watercourse.

Site Plan S-02 shows the use of rip-rap in all surface drainage areas. The use of vegetation in place of rip-rap wherever feasible would enhance the ecological function of the project, increase filtration and percolation, and decrease water temperatures.

- The District recommends planting native vegetation in place of rip-rap where feasible, particularly in the more level swale and watercourse areas. A suggested plant list of native vegetation suitable for wet conditions and an option for a seed mix is appended at the end of this document.

- Additional stabilization may be necessary for the high-velocity and steep areas where roots will have trouble establishing, such as in the northernmost plunge pool. In these areas, consider use of Permanent Turf Reinforcement Mats (TRM) or similar, possibly in combination with stone check dams in specific areas, in place of a rip-rap lining. TRM may achieve the stabilization needed, while allowing vegetation to establish and provide ecological enhancements, rather than fully armoring the channels with rip-rap.

Sheet D-01 provides detailed phasing and erosion control notes, which will be employed to minimize impacts to Coventry Lake, yet locations of these measures are not indicated on the plan. In addition, based on field observations, some areas are very rocky and contain tree roots, which may preclude the proper installation of silt fence. The Wetland Application also indicates that bypass pumping will be used to dewater in case surface water is present, but a note to that effect was not apparent on project plans.

- The District recommends depicting proposed erosion and sedimentation controls on the Plan, so that site personnel are aware of the critical areas to add controls to prevent sediment movement.
- 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.
- The District suggests the use of alternate erosion & sedimentation controls, such as straw wattles or straw bales, 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 District recommends adding a note to the plan regarding dewatering if necessary, as referred to in the application form.

Conclusion

Based on the District's assessment of the site and review of project plans, incorporation of the bulleted recommendations above and use of the appended plant list and/or seed mix, or similar, 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

Joanna Shapiro, Executive Director

Appendix: Native Vegetation for use in Swales

All plants listed are native and tolerate wet soils

Works Cited: "Native Plants for New England Rain Gardens" by Cathy Neal, UNH Cooperative Extension, Lisa Loosigian, NHDES Soak Up the Rain NH, Jillian McCarthy, NHDES Soak Up the Rain NH. 2016.
https://extension.unh.edu/sites/default/files/migrated_unmanaged_files/Resource005899_Rep8265.pdf

Genus/species	Common Name	Height
Carex stricta	Tussock/Upright sedge	2-3'
Carex vulpinoidea	Common fox/Fox sedge	1-3'
Athyrium angustum	Northern lady fern	1-2'
Zizia aurea	Golden alexanders	1-2'
Lobelia siphilitica	Great blue lobelia	1.5-5'
Gentiana clausa	Closed/Meadow bottle gentian	1-3'
Chelone glabra	White turtlehead	1-4'
Caltha palustris	Marsh marigold	0.5-1'
Eupatorium perfoliatum	Common boneset	2-4'
Asclepias incarnata	Swamp milkweed	3-6'
Iris cristata (dwarf)	Dwarf crested iris	0.5-1'

Seed Mix Detail from New England Wetland Plants, Inc.

https://newp.com/product/new-england-erosion-control-restoration-mix-for-detention-basins-and-moist-sites/

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075
PHONE: 413-548-8000 FAX 413-549-4000
EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

Botanical Name	Common Name	Indicator
Elymus riparius	Riverbank Wild Rye	FACW
Schizachyrium scoparium	Little Bluestem	FACU
Festuca rubra	Red Fescue	FACU
Andropogon gerardii	Big Bluestem	FAC
Panicum virgatum	Switch Grass	FAC
Vernonia noveboracensis	New York Ironweed	FACW+
Agrostis perennans	Upland Bentgrass	FACU
Bidens frondosa	Beggar Ticks	FACW
Eupatorium maculatum (Eutrochium maculatum)	Spotted Joe Pye Weed	OBL
Eupatorium perfoliatum	Boneset	FACW
Aster novae-angliae (Symphyotrichum novae-anglia	New England Aster	FACW-
Scirpus cyperinus	Wool Grass	FACW
Juncus effusus	Soft Rush	FACW+

PRICE PER LB. $37.00 MIN. QUANITY 3 LBS. **TOTAL:** $111.00 APPLY: 35 LBS/ACRE :1250 sq ft/lb

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed-to-soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is $/bulk pound, FOB warehouse, Plus SH and applicable taxes.

Lindsay Beutler

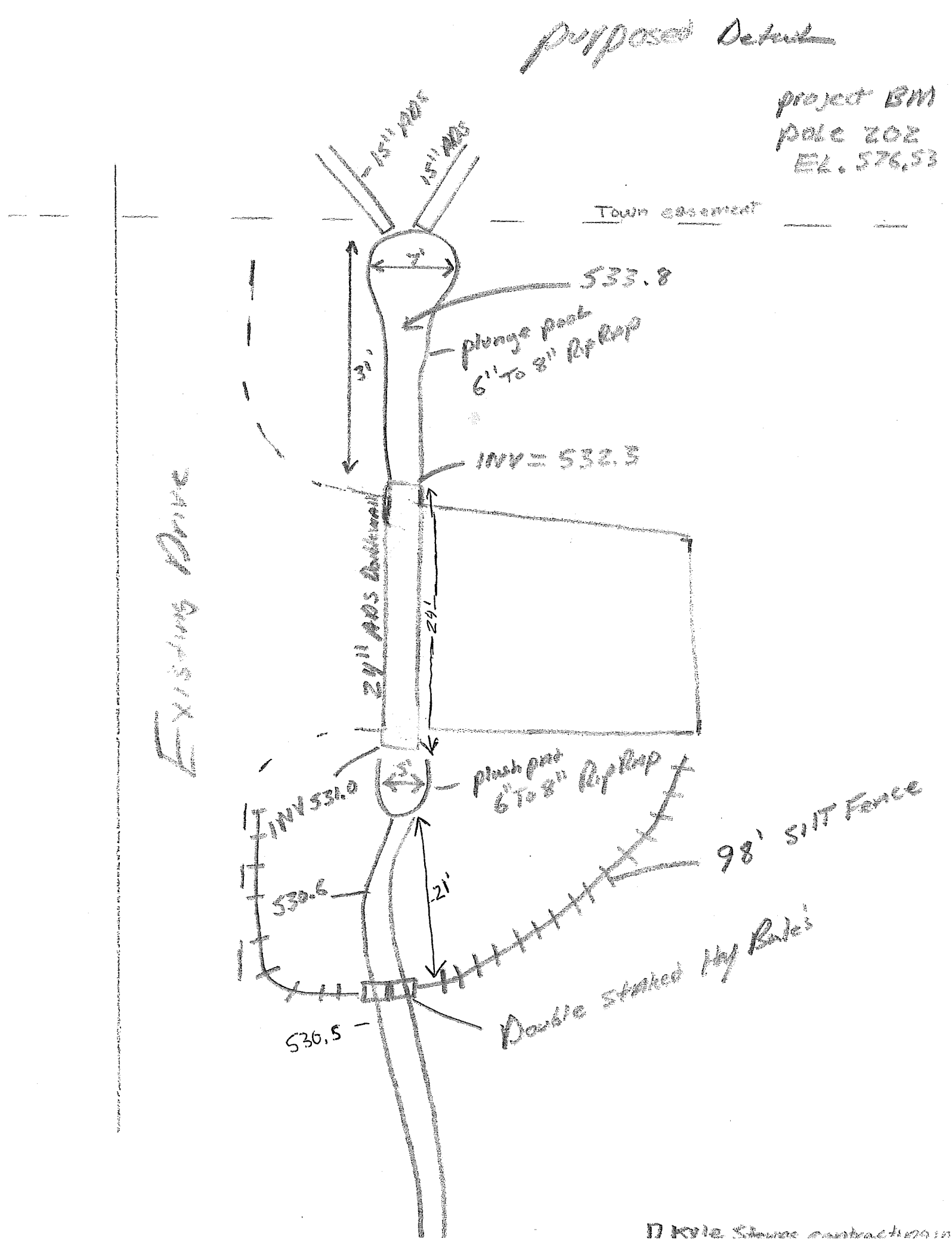
From: david K Stearns <Kyle@dkylestearnscontracting.com>
Sent: Wednesday, September 17, 2025 12:20 PM
To: Lindsay Beutler
Subject: (EXTERNAL MESSAGE)Response to email from 9/16/25 on issues with 131 Woodland rd Coventry, CT .

Good afternoon,

To address issues concerning dewatering on location of #131 Woodland road Coventry, CT for watercourse plash pond and 24" culvert installation, this outlined work will not take place on high water time lines. this work will take 3 to 4 days to complete.

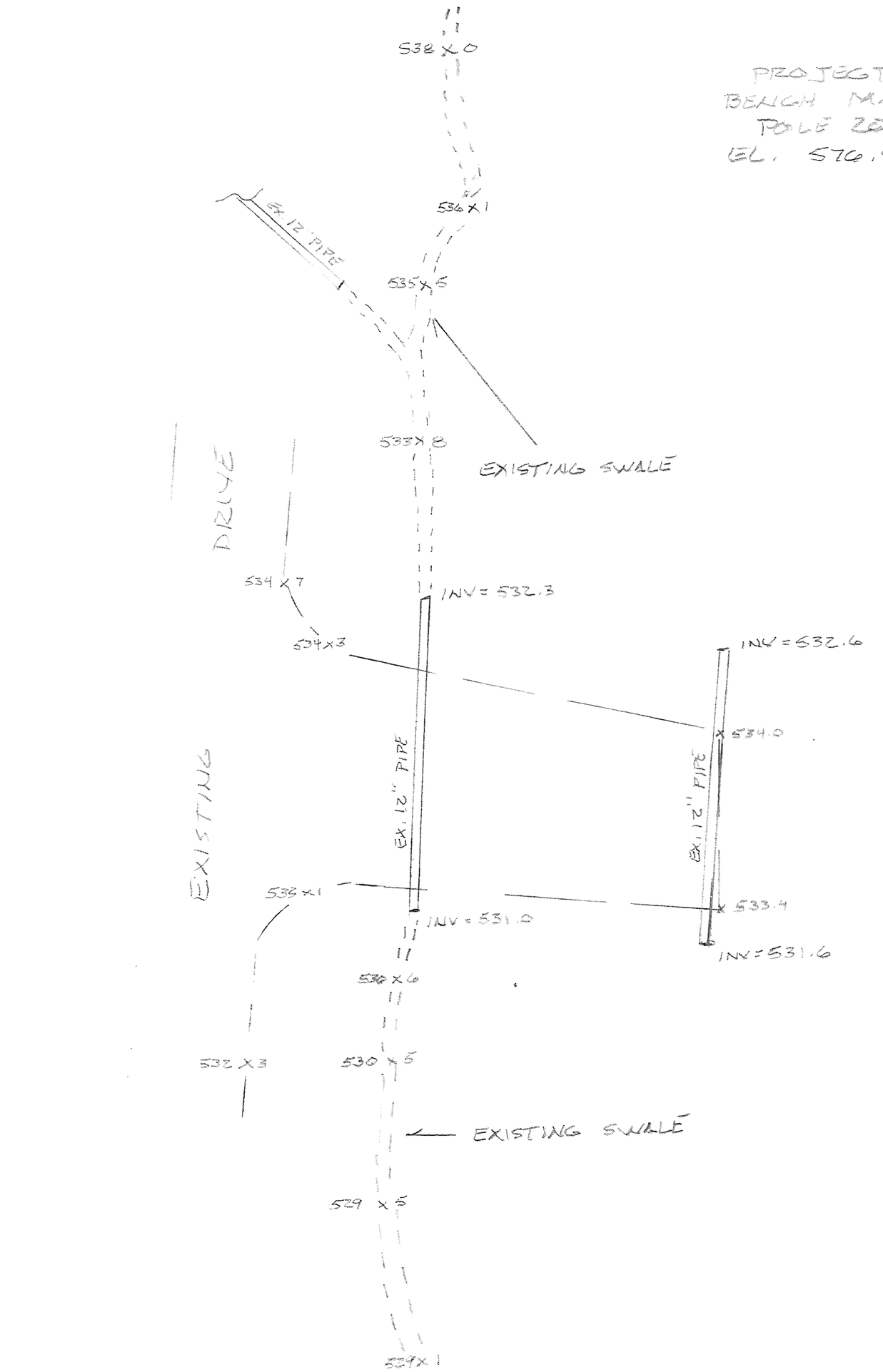
After completion of listed work a new bituminous asphalt driveway will be purposed. this driveway is to be the exact size of existing asphalt drive 2,500sq.

Thanks ~ D Kyle Stearns



D Kyle Stowe contractor

D Hyle Stevens Contracting Inc



PROJECT
BENCH MARK
POLE 202
EL. 576.53

EXISTING
HOUSE

EXISTING CONDITIONS
131 WOODLAND RD.
COVENTRY CONN.
9-12-25 1" = 10'

D HYLE STEVENS CONTRACTING INC.

MAP REFERENCES:
1. MARCH 2016 TOWN OF COVENTRY AERIAL PHOTOGRAPHY
2. TOWN OF COVENTRY, COVENTRY LAKE, COVENTRY CONNECTICUT, CONTRACT 1 – COVENTRY LAKE EXPANSION PROJECT, OCTOBER 2002, REVISED AUGUST 1, 2006 (RECORD DRAWING). FIELD SURVEY FOR MAIN STREET SIDEWALK PROJECT BY GARDENER & PETERSON, DATED 2021. AERIAL PHOTOGRAPHY AND MAPPING BY GOLDEN AERIAL. CONTOUR INTERVAL IS TWO FEET. DATE OF AERIAL PHOTOGRAPHY IS APRIL 27, 2001.
3.

NOTES:
1. CONTACT CALL BEFORE YOU DIG AT LEAST 72 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES TO IDENTIFY ANY AND ALL UNDER GROUND UTILITIES. 800-922-4455.
2. CONTRACTOR SHALL CALL FOR EROSION CONTROL MEASURES INSTALLATION INSPECTION WITH THE WETLANDS AGENT PRIOR TO THE START OF THE GRADING OPERATIONS.
3. CONTRACTOR SHALL PROTECT ALL EXISTING PAVED SURFACES & BATHROOM FACILITIES
4. PROPOSED WALL PLAN ATTACHED WITH PLAN SET.

SCALE: HORZ.: 1" = 10'
VERT.:
DATUM: HORZ.: NAD 83
VERT.: NGVD 88
0 5 10
GRAPHIC SCALE

REVISIONS
NUM | DATE | COMMENT

SEAL

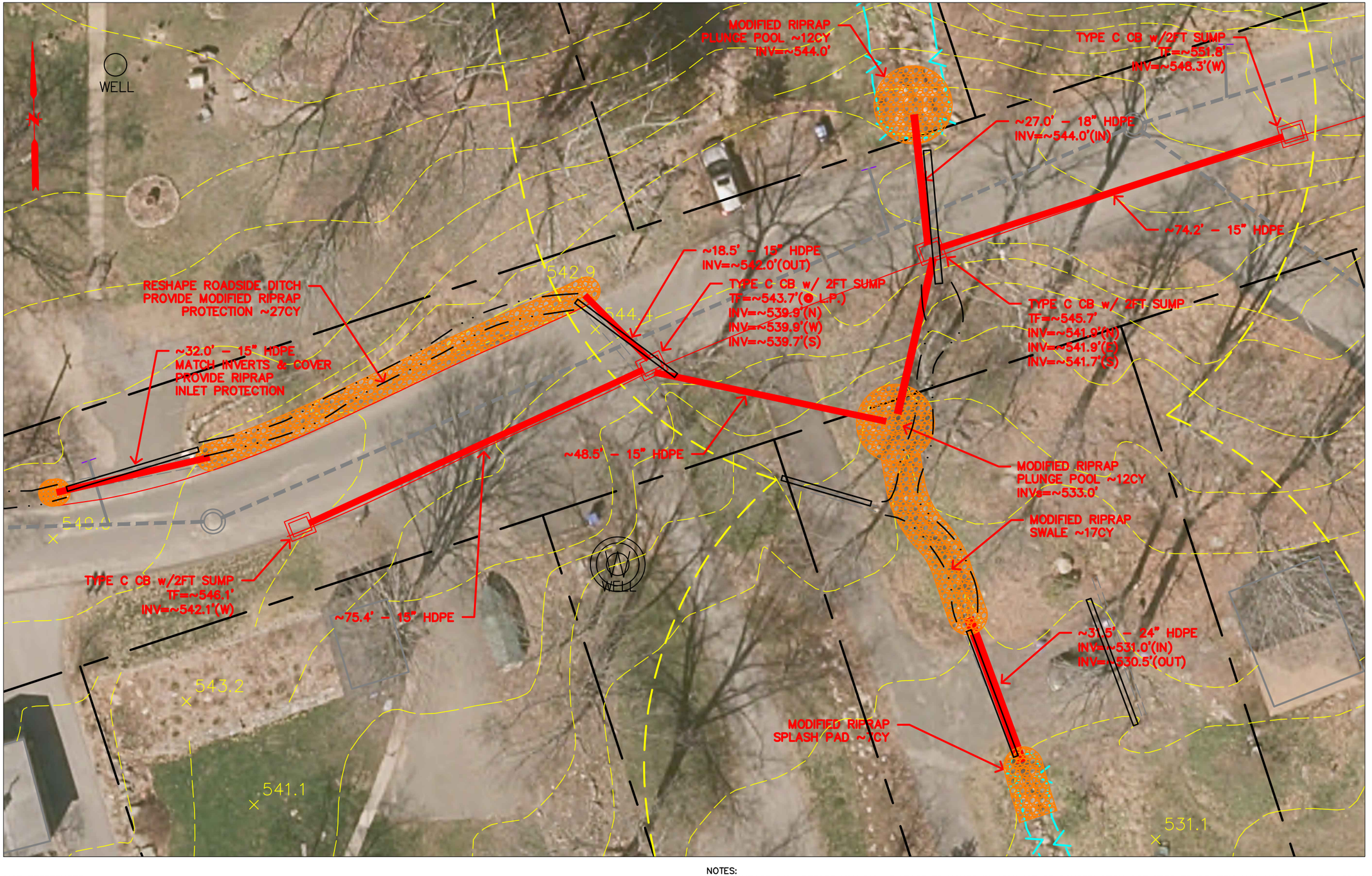
TOWN OF COVENTRY

OFFICE OF THE TOWN ENGINEER
1712 Main Street * Coventry, CT * 06238

TOWN OF COVENTRY
DRAINAGE IMPROVEMENTS
EXISTING CONDITIONS PLAN
131 WOODLAND ROAD VICINITY
Coventry Connecticut

PROJ. No.:
DATE: 9/24/2024

S-01



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SCALE: HORZ.: 1" = 10'
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0 5 10 GRAPHIC SCALE

REVISIONS
NUM | DATE | COMMENT

SEAL

TOWN OF COVENTRY

OFFICE OF THE TOWN ENGINEER
1712 Main Street * Coventry, CT * 06238

TOWN OF COVENTRY
DRAINAGE IMPROVEMENTS
PROPOSED CONDITIONS
131 WOODLAND ROAD VICINITY
Coventry Connecticut

PROJ. No.:
DATE: 9/24/2024

S-02

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 FOR PHASE 1 IS EXPECTED ON OR ABOUT LATE NOVEMBER 2024 WITH COMPLETION TO BE WITHIN 1 WEEKS. THE REMAINING PHASES WILL COMMENCE IN THE SUMMER OF 2025 WITH COMPLETION IN 4 WEEKS. FINAL PAVING WILL BE EXECUTED IN TWO DAYS. APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN, SHALL BE INSTALLED BY THE TOWN FORCES PRIOR TO THE COMMENCEMENT OF ALL SOIL DISTURBANCES. THE TOWN FORCES SHALL SCHEDULE THE WORK TO MINIMIZE THE LENGTH OF TIME THAT BARE SOIL WILL BE EXPOSED.

CONTINGENCY EROSION PLAN

THE TOWN FORCES 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:

1. CONTACT WETLANDS AGENT TO SCHEDULE A PRE-CONSTRUCTION MEETING FOR THE PROJECT. IDENTIFY LIMITS OF WORK AND REVIEW ANTICIPATED EROSION CONTROL MEASURES AS OUTLINE IN THIS SEQUENCING.

2. CALL CT "CALL BEFORE YOU DIG" AT 800-922-4455 (OR 811) TO IDENTIFY ALL UTILITIES WITHIN THE PROJECT LIMITS.

3. CLEAR & GRUB EXISTING VEGETATION IN THE IMMEDIATE AREA OF THE STEPS AND WALL TO BE REPLACED.

4. INSTALL EROSION CONTROL MEASURES COMMENSUARATE TO THE PROPOSED PHASE. COORDINATE INSPECTION WITH WETLAND AGENT.

PHASE 1

5. EXCAVATED OLD PIPE AND INSTALL NEW 24" HDPE AT DOWNSTREAM LIMITS OF THE PROJECT. INSTALL ALL NECESSARY INLET AND OUTLET RIPRAP CONTROL TO THE LIMITS DEPICTED. BACKFILL TRENCH WITH PROCESS AGGREGATE TO THE FINISH GRADE. TOTAL DURATION TO TAKE 2 DAYS.

PHASE 2

6. COMMENCING IN SUMMER OF 2025 WHEN LITTLE OR NO FLOW IS PRESENT IN DRAINAGE/INTERMITTENT WATERCOURSE, CONTINUE FROM INLET RIPRAP PROTECTION AT 24" HDPE AND CONSTRUCT NEW MODIFIED RIPRAP SWALE TO PLUNGE POOL. ALLOW FOR TEMPORARY CONNECTIONS FROM EXISTING DRAINAGE INFRASTRUCTURE. TOTAL DURATION: 2 DAYS.
7. INSTALL WESTERLY DRAINAGE RUN FROM PLUNGE POOL TO UPSTREAM INLET ON THE NORTH SIDE OF WOODLAND ROAD. PROVIDE TEMPORARY CONNECTION FROM OLD DRAINAGE TO NEWLY INSTALLED INFRASTUCTURE. INSTALL RIPRAP INLET PROTECTION AND TEMPORARY TRENCH PAVEMENT AT THE END OF THE DRAINAGE RUN. TOTAL DURATION: 5 DAYS.
8. INSTALL EASTERLY DRAINAGE RUN FROM PLUNGE POOL TO UPSTREAM INLET ON THE NORTH SIDE OF WOODLAND ROAD. PROVIDE TEMPORARY CONNECTION FROM OLD DRAINAGE TO NEWLY INSTALLED INFRASTUCTURE. INSTALL RIPRAP INLET PROTECTION AND TEMPORARY TRENCH PAVEMENT AT THE END OF THE DRAINAGE RUN. REMOVE EXISTING 12" PIPE RUN IN DRIVEWAY AND TEMPORARY PAVE TRENCH. TOTAL DURATION: 5 DAYS.
9. INSTALL WESTERLY SPUR CATCH BASIN. PROVIDE TEMPORARY PAVEMENT AT THE END OF DRAINAGE RUN. TOTAL DURATION: 2 DAYS.
10. INSTALL EASTERLY SPUR CATCH BASIN. PROVIDE TEMPORARY PAVEMENT AT THE END OF THE DRAINAGE RUN. TOTAL DURATION 2 DAYS.
11. RESHAPE AND LINE ROADSIDE DITCH AT THE NORTHERLY LIMITS OF WOODLAND ROAD. INSTALL NEW DRIVEWAY CULVERT AND PROVIDE INLET RIPRAP PROTECTION. PROVIDE TEMPORARY PAVEMENT AT DRIVEWAY APRON.
12. STRIP ALL TEMPORARY PAVEMENT, RECOMPACT PROCESS AGGREGATE BASE AND INSTALL PERMENENT PAVEMENT.
13. THROUGHOUT CONSTRUCTION SEQUENCE, PROVIDE AND REMOVE EROSION CONTROL DEVICES AND COLLECTED SEDIMENT AS NECESSARY. 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.

NSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES

A. SILT FENCE CHECK DAMS

A. DIG A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.

B. POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE), AND HAMMER THE

POST AT LEAST 12 INCHES INTO THE GROUND.

C. LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.

D. BACKFILL THE TRENCH AND COMPACT.

II. SILT SACKS

A. INSTALL SILT SACK AT NEW CATCH BASIN IF PAVING OPERATIONS ARE DELAYED MORE THAN 24 HOURS AFTER COMPLETE INSTALLATION.

B. GRATES SHALL BE REMOVED. SILT SACKS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDED INSTALLATION PRACTICES.

C. GRATES SHALL BE REPLACED.

OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES

I. SILTATION FENCE

A. 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.

B. SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.

II. SILT SACKS

A. SHALL BE INSPECTED AT THE SAME FREQUENCY OF THE SITE SILT FENCE.

SEDIMENT AND EROSION CONTROL NOTES

1. 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.

2. 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.

3. 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) A SUMMARY OF THE SITE CONDITIONS, E&S BMPS, AND COMPLIANCE; AND
   B) THE DATE, TIME, AND THE NAME OF THE PERSON CONDUCTING THE INSPECTION

5. 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. ~~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.~~

11. 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.

12. ~~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.~~

13. ~~COMPLY WITH REQUIREMENTS OF CGS SECTION 22A 430B FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND WITH DEP RECORD KEEPING AND INSPECTION REQUIREMENTS.~~

14. 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 HYDROSEEDED WITH TACKIFIER.

15. 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.

16. 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.

SCALE: HORZ.: 1" = 10'
VERT.:
DATUM: HORZ.: NAD 83
VERT.: NGVD 88
0 5 10 GRAPHIC SCALE

REVISIONS
NUM | DATE | COMMENT

SEAL

TOWN OF COVENTRY

OFFICE OF THE TOWN ENGINEER
1712 Main Street * Coventry, CT * 06238

TOWN OF COVENTRY
DRAINAGE IMPROVEMENTS
EROSION CONTROL DETAILS
131 WOODLAND ROAD VICINITY
Coventry Connecticut

PROJ. No.:
DATE: 9/24/2024

D-01