

March 8, 2024

Michael Conklin
Director of Environmental Affairs
Town of Wilton
238 Danbury Road
Wilton, CT 06897

SLR Project No.: 21543.00001

**RE: Wilton Inland Wetlands and Watercourses Agency Review
Application for a Significant Regulated Activity
Application #2904(S) ASML Acquisitions, LLC
131 Danbury Road, Wilton, Connecticut**

Dear Mr. Conklin,

SLR International Corporation (SLR) is in receipt of a letter addressed to you from Cardinal Engineering Associates in regard to the above-referenced project.

We offer the following responses to the comments:

Review comments related to the Site Plans and Engineering Reports February 29, 2024

Critical Comments

R.4: The sediment and erosion control plan has been revised and is attached. It includes a construction sequence for the storm drainage outlet as presented at the Inland Wetlands Commission meeting on March 6, 2024. Furthermore the silt fence along the river has been called out as wire mesh backed silt fence

Engineering Reports

R.CC-RPT-1: Sheet IFP – Flood Plain Earthwork has been revised and is attached.

R.CC-RPT-2: Information will be shown in the Floodplain Report in the final submission. The random boulder seating and detail has been removed from the plans. A low boulder wall detail will be added to the final plan.

R.CC-RPT-9: Roof drain internal piping has been added to sheet UT.

Engineering Plans

R.CC-1: A site demolition plan will be submitted as part of the building permit submission

R.CC-LA-4: The final plan will be revised to include a 96" shared striped aisle.

R.CC-LA-11: Photometric plan has been revised.

- R.CC-LA-23: As suggested, resident small truck and van loading signage will be added to the final plan.
- R.CC-LA-37: DOT drop ramps have been added to detail sheet SD-8. Additional callouts have been added to sheet LA.
- R.CC-LA-40: Construction of walkways outside of property is not part of scope. See note on sheet LA for coordination with adjacent property owner. Vegetation on both sides of walkway acts as barrier beyond either side of the proposed gate, see sheet LS.
- R.CC-LA-41: Sidewalk has been revised.
- R.CC-LA-42: The mountable "Cape Cod" curbs are proposed along curb radius' and will transition to traditional concrete curbs at the tangent points. Additional labels will be added to the final plan.
- R.CC-LA-43: Additional curbing callouts have been added to the final plan.
- R.CC-LS-1: A site demolition plan will be submitted as part of the building permit submission.
- R.CC-LS-3: The final limits and level of irrigation will determined at the time when a building permit application will be submitted.
- R.CC-LS-7: Sightlines and distances have been reviewed and added to sheet LS. The proposed planting does not interfere with the sight lines.
- R.CC-LS-4: Planters have been removed from the plan to decrease the amount of fill in the front of the site.
- R.CC-GR-6: Additional top of wall elevations have been added to the plan.
- R.CC-GR-8: Grading has been revised.
- R.CC-GR-9: The geotextile associated with the wall will be designed with all site features taken into account and will be engineered by a structural engineer licensed in the State of Connecticut as part of the building permit submission. The fence location has been added to the Modular Block Retaining Wall detail on sheet SD-7.
- R.CC-GR-11: An additional walk has been provided within the road right of way. Spot grades have been added and revised to show drainage.
- R.CC-GR-12: Grading has been revised.
- R.CC-GR-15: Grading has been revised.
- R.CC-GR-16: The generator pad is flush with adjacent concrete pad. A generator pad detail is shown on sheet SD-1 called "Concrete Utility Pad".



- R.CC-GR-20: Underdrain will be added to the basin in SW corner for the final submission, along with an underdrain detail. See attached detail which will be added to the final plan.
- R.CC-UT-1: Preliminary roof drain internal piping has been added to sheet UT.
- R.CC-UT-3: Comment noted.
- R.CC-UT-6: A callout has been added to the crossing and a note has been added to sheet NL with minimum separation between water and gas.
- R.CC-UT-7: Roof drain internal piping has been added to sheet UT.
- R.CC-UT-11: Footing drain location will be coordinated and determined once the foundation is designed and prior to building permit submission.
- R.CC-UT-17: A wall drain has been added to Wall #4.
- R.CC-UT-19: Pipe computations show that no hydraulic grade line issues exist under the proposed design. The system will continue to operate as designed upon reaching the orifice elevation and will not be impacted by the small amount of standing water.
- R.CC-UT-27: The location of the gas meter will be determined at the time of the building permit application and upon coordination with the gas company.
- R.CC-UT-30: Water meter on sheet UT has been coordinated to show the correct size based on the detail.
- R.CC-UT-39: MH 2 has been sized to properly handle 100% of the runoff directed to it. It is our opinion that providing an additional treatment to the “clean” stormwater does not diminish the water quality. Additionally, in the case of the “clean” stormwater from the roof, chambers provide a thermal benefit to the stormwater, allowing it to cool before discharging to the Norwalk River.
- R.CC-UT-44: Pipe will be revised to 24” HDPE on the final plans. See 8.5x11 graphic attached.
- R.CC-UT-48: MH-5 has been revised.
- R.CC-UT-50: Pipe will be revised to 24” HDPE on the final plans
- R.CC-UT-51: Invert at OVFL-3 will be revised for on the final plans.
- R.CC-UT-52: Pipe will be revised to 24” HDPE on the final plans. From the RAS modeling, the channel velocity is estimated at approximately 3 ft/sec, which isn’t highly erosive. But the final plan will be revised to increase the riprap size to intermediate riprap.



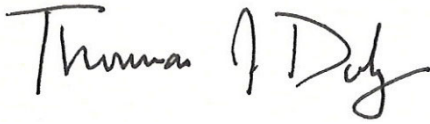
- R.CC-UT-57: A wall drain has been added to Wall #4.
- R.CC-UT-58: Gate valves have been added to the water lines.
- R.CC-UT-59: Light pole locations have been revised.
- R.CC-SE-1-4: See updated sheet SE-1 attached. Relevant details for staked coir logs, wire backed silt fence and turbidity curtain will be added to the final plans.
- R.CC-SE-1-9: See updated sheet SE-1 attached. Relevant details for staked coir logs, wire backed silt fence and turbidity curtain will be added to the final plans.
- R.CC-SD-1-1: Integral concrete sidewalk is located adjacent to the accessible parking spaces to the south of the entry drive.
- R.CC-SD-2-4: United Concrete Transformer pad detail has been added to sheet SD-1.
- R.CC-SD-3-4: Note has been added to plan.
- R.CC-SD-4-2: Pipe will be revised to 24" HDPE on the final plan.
- R.CC-SD-4-7: Note will be revised for final submission.
- R.CC-SD-5-1: Water meter on sheet UT has been coordinated to show the correct size based on the detail. Final size of water meter will be determined in coordination with Aquarion Water Company.
- R.CC-SD-5-2: Standard CTDOT trench repair detail is on sheet SD-6.
- R.CC-SD-6-1: Cleanout size shall match pipe size. Steel rebar is set below grade so as to not damage mowers.
- R.CC-SD-6-2: Water meter pit is shown on sheet SD-6. Final size of water meter will be determined in coordination with Aquarion Water Company.
- R.CC-SD-7-1: Detail has been added to sheet SD-7.

Please feel free to contact us if you have any questions on the above responses.



Regards,

SLR International Corporation

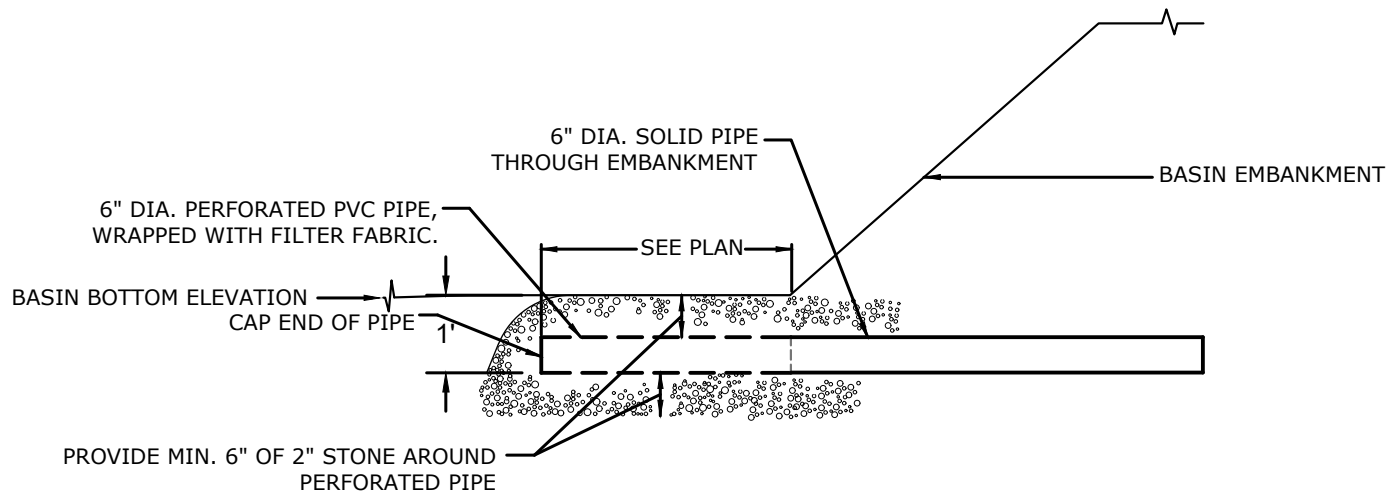


Thomas J. Daly, PE
US Manager of Civil & Structural Engineering
tdaly@slrconsulting.com

Attachments

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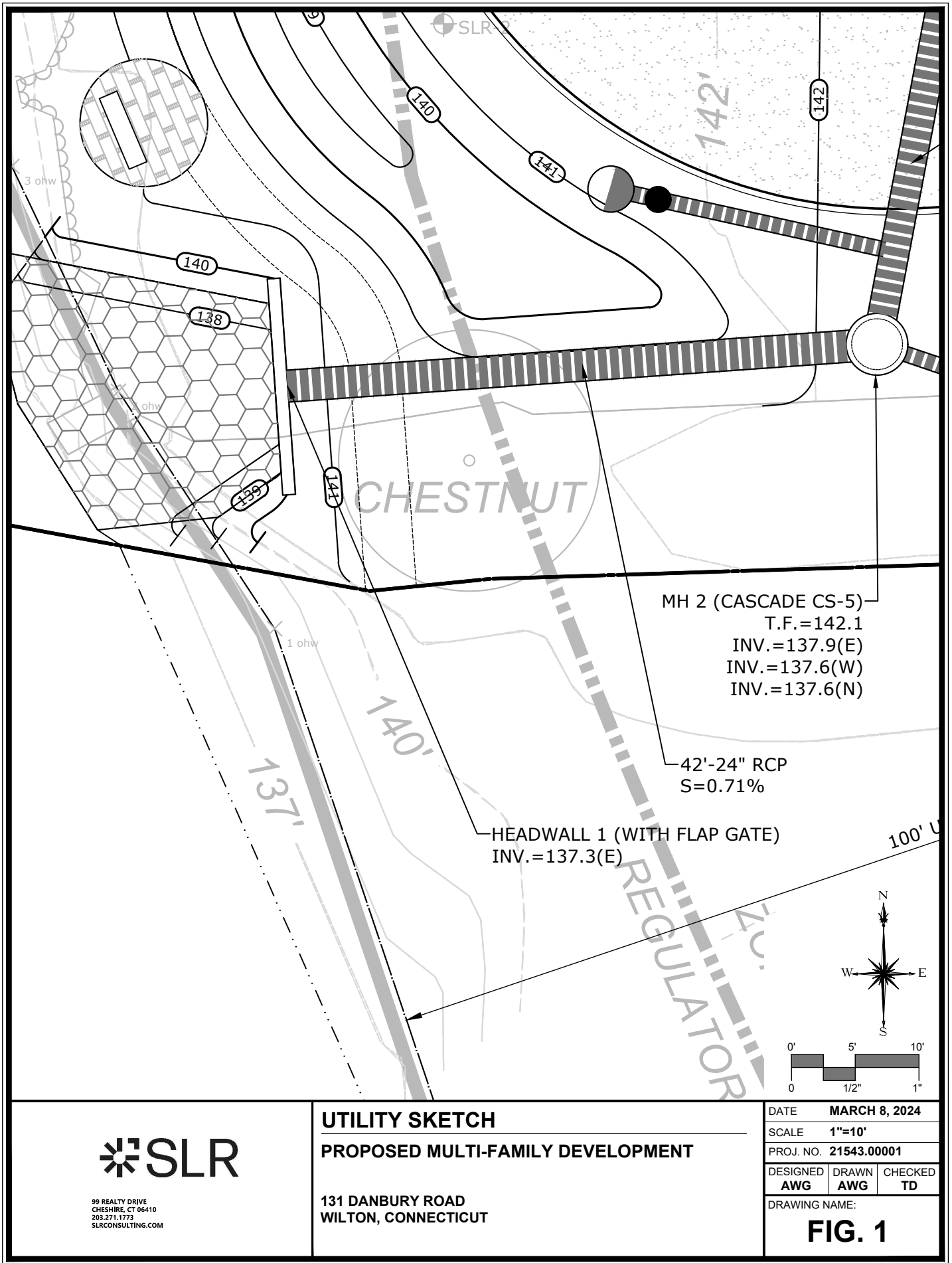


DEWATERING UNDERDRAIN

NOT TO SCALE

Drawing: W:\CAD\DESIGN\21543.00001-DE\CAD\ANSW-UTILITIES.DWG Layout Tab:8.5X11V

Plotted by: AGORALSKI On this date: Fri, 2024 March 8 - 10:36am



1. REVIEW WATER LEVEL OF RIVER AND PREDICTED WEATHER FOR THE NEXT WEEK. WORK SHALL BE SCHEDULED WHEN THE RIVER LEVEL IS LOW AND STABLE AND NO RAIN IS PREDICTED FOR THE NEXT WEEK.
 2. INSTALL TURBIDITY CURTAIN.
 3. CLEAR VEGETATION.
 4. INSTALL STAKED COIR LOGS AT RIVERS EDGE.
 5. GRUB AND STRIP TOPSOIL.
 6. INSTALL PIPE AND HEADWALL. MAINTAIN HIGH POINT BETWEEN GRADING AND RIVERS EDGE.
 7. COMPLETE GRADING.
 8. INSTALL RIP RAP.
 9. REMOVE STAKED COIR LOGS AT RIVERS EDGE AND REPLACE WITH STRAW WATTLE.
 10. TOPSOIL, SEED AND MULCH PERIMETER AREA.
 11. INSTALL STRAW WATTLE AT TOE OF SLOPE ALONG RIP RAP.
- NOTE: WORK TO BE COMPLETED IN 3-4 DAYS.

1. AFTER BUILDING IS DEMOLISHED, ALL DISTURBED AREAS TO BE SPRAYED WITH BONDED FIBER MATRIX IF TO REMAIN EXPOSED FOR MORE THAN 2 WEEKS.
2. ALL DEWATERING THAT NEEDS TO BE PUMPED FOR CONSTRUCTION SHALL BE PUMPED TO A DIRTBAG. CONTRACTOR SHALL SUBMIT DETAILED DEWATERING PLAN TO TOWN PRIOR TO THE START OF CONSTRUCTION.
3. THE BOTTOM OF THE TEMPORARY SEDIMENT TRAPS SHALL BE SET AT 1 FOOT ABOVE PROPOSED FINISHED GRADE UNTIL THE SEDIMENT TRAP IS NO LONGER NEEDED. THEN THE FULL EXCAVATION TO FINISHED GRADE CAN OCCUR
4. THE CONSTRUCTION ENTRANCE PAD IN AREAS OF FILL WILL BE REBUILT AS THE GRADE IS RAISED AND ADJUSTED DURING CONSTRUCTION AS NECESSARY.



SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2024, TOWN OF WILTON STANDARDS, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.




1. PURPOSE AND DESCRIPTION OF PROJECT
A.) CONSTRUCTION OF MULTI-FAMILY RESIDENTIAL BUILDING.
B.) DISTURBED AREA: ± 4.4 ACRES

2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
- A.) CUTS AND FILLS ASSOCIATED WITH CONSTRUCTION.
- B.) PROTECTION OF NORWALK RIVER.

- ### 3. IDENTIFICATION OF OTHER POSSIBLE PERMITS
- THE PERMITS REQUIRED FOR THE PROJECT ARE LOCAL INLAND WETLANDS AND PLANNING AND ZONING PERMITS.

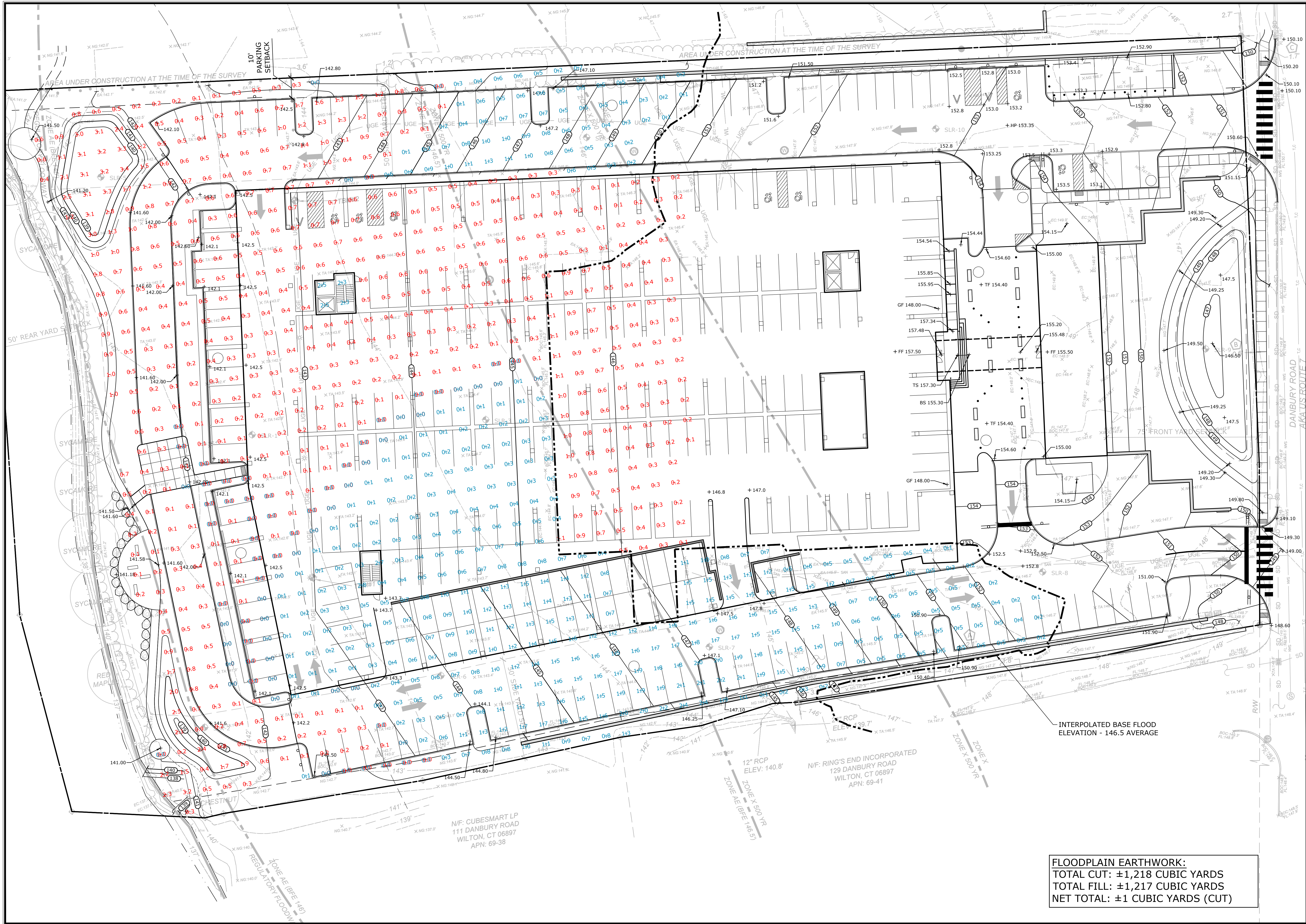
4. RESPONSIBLE PARTY
RYAN SUTHERLAND
AMS ACQUISITIONS
212-695-7585

SEDIMENT AND EROSION CONTROL PLAN			
PROPOSED MULTI-FAMILY DEVELOPMENT			
131 DANBURY ROAD WILTON, CONNECTICUT			
AWG DESIGNED	AWG DRAWN	TD CHECKED	
SCALE 1"=20'			
DATE OCTOBER 23, 2023			
PROJECT NO. 21543.00001			
SHEET NO. 09 OF 25			
SE-1			



99 BEAITY DRIVE
CHESHIRE, CT 06610
603.275.1175
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG
TOWN COMMENTS	12/17/2023	RH
PEER REVIEW COMMENTS	1/09/2024	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG
PEER REVIEW COMMENTS	3/08/2024	AWG



DESCRIPTION	DATE	BY
P&Z SUBMISSION	11/27/2023	AWG
PEER REVIEW COMMENTS	2/13/2024	AWG
PEER REVIEW COMMENTS	3/08/2024	AWG

INTERPOLATED FLOODPLAIN EARTHWORK

PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED

1"=20'

OCTOBER 23, 2023

DATE

21543.00001

PROJECT NO.

20 OF 25

SHEET NO.

IFP

SHEET NAME