

March 11, 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) AMS Acquisitions, LLC  
131 Danbury Road, Wilton, Connecticut**

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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 supplemental response to our comment response letter dated March 8, 2024:

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

**Engineering Reports**

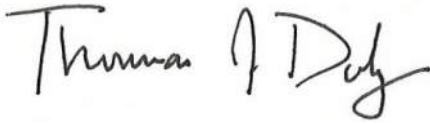
R.CC-RPT-2: The downstream reach lengths for the Corrected Effective and Existing Conditions model were obtained from the HEC-RAS hydraulic model. Note that the reach lengths did not change from Existing to Proposed conditions. See attached Table 2-2.1.

The column headings for Table 2.3 were updated to correct the error in response to this comment, however the results that were provided in the table were correct and have not changed. See attached revised Table 2.3.

The cross sectional view for the three sections that pass through the project site have been provided as requested. The sections compare Existing versus Proposed conditions geometry and resulting computed water surface elevations for the 10-year and 100-year floods.

Regards,

**SLR International Corporation**



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

Attachments

21543.00001.m1124.ltr.docx



**Table 2-2.1 Summary of HEC-RAS Model Input – Downstream Reach Lengths**  
**Corrected Effective vs. Existing Conditions**

FIS CROSS SECTION IDENTIFIER	CALIBRATED MODEL CROSS SECTION NUMBER	Downstream Reach Length* (ft)	
		Corrected Effective	Existing Conditions
O	30	160	160
	29	1630	1630
	28	772	153.6
	27.75	---	136.4
	27.5	---	187.5
	27.25	---	294.5
	27	93	93
	26	10	10
	25.5	Access Road Bridge (abandoned)	
	25	335	335
	24	471	471
	23	73	73
	22	17	17
	21.5	Arrowhead Road	
	21	61	61
	20	700	700
	19	761	761
	18	37	37
N	17	321	321
* - Downstream reach length obtained from the hydraulic model			

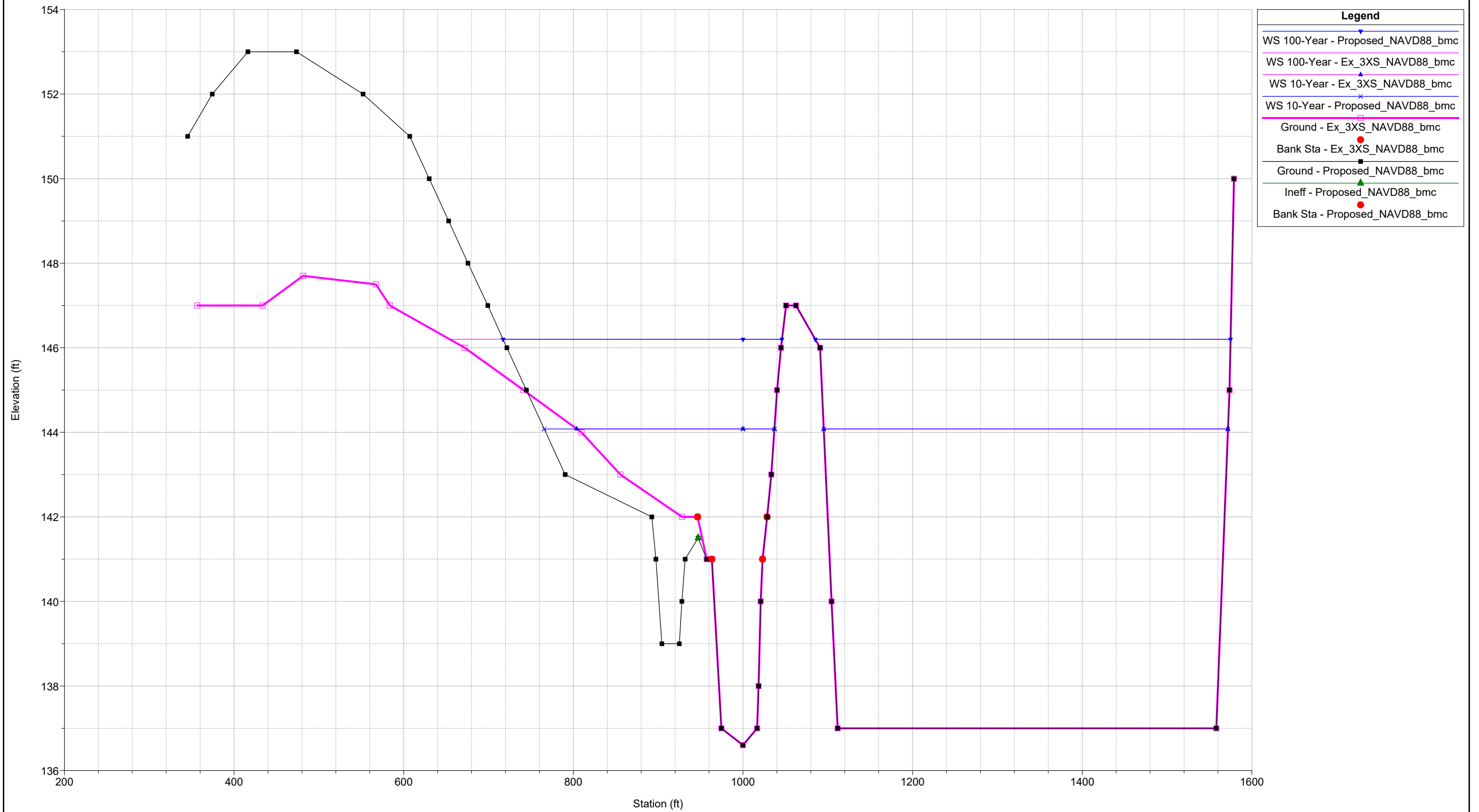


**Table 2-3 Summary of HEC-RAS Model Output**  
**Corrected Effective vs. Proposed Conditions (100-Year)**

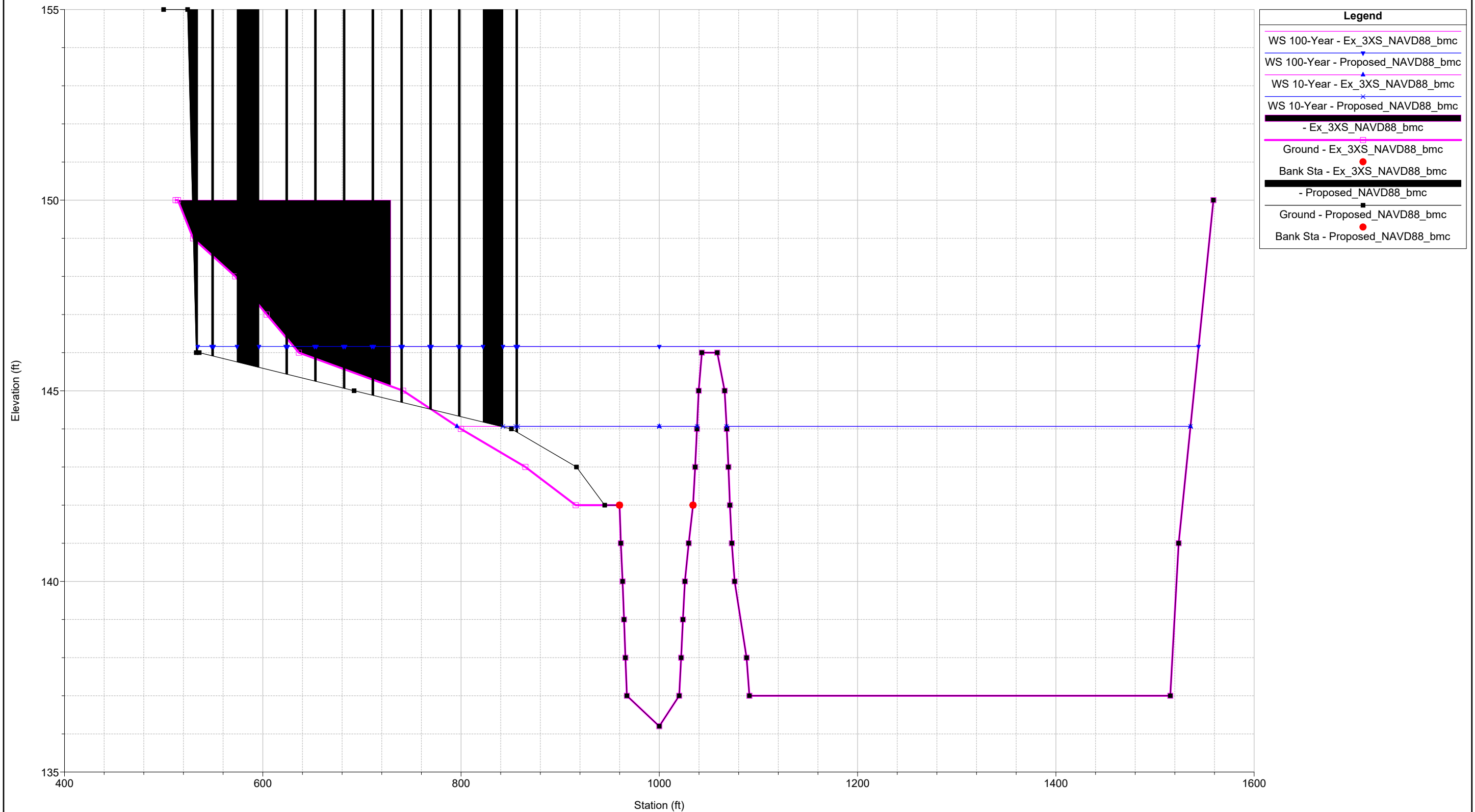
FIS CROSS SECTION IDENTIFIER	CALIBRATED MODEL CROSS SECTION NUMBER	WATER SURFACE ELEVATION (NAVD88)		
		Corrected Effective	FIS Profile Data ^	Proposed Conditions
N	17	141.20	141.2	141.20
	18	141.22		141.22
	19	141.65		141.65
	20	141.98		141.98
	21	141.92		141.92
	22	141.99		141.99
	23	142.68		142.68
	24	142.64		142.64
	25	144.58		144.58
	26	145.21		145.21
	27	146.08	146.1	146.08
	27.25 *	---	146.4	146.13
	27.5 *	---	146.5	146.16
	27.75 *	---	146.6	146.20
	28	146.67	146.7	146.67
	29	151.12		151.12
O	30	153.13	153.1	153.13
* Denotes cross section that passes through the project site at 131 Danbury Rd				
^ Flood elevation not at FEMA lettered cross sections were obtained from the profile panels in the FIS				



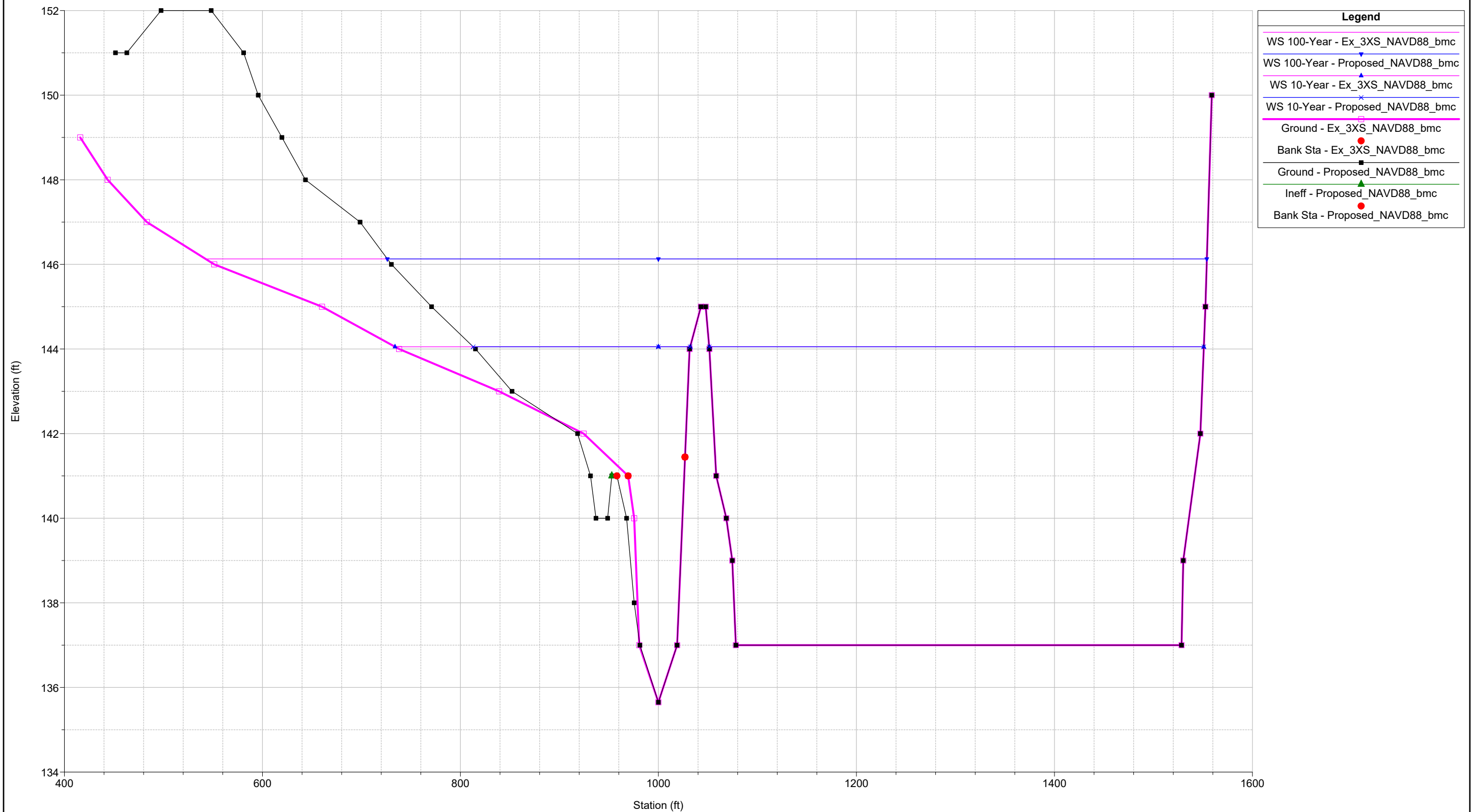
1) Proposed\_NAVD88\_bmc 2) Ex\_3XS\_NAVD88\_bmc  
Geom: Proposed\_Geom\_NAVD88\_3XS\_bmc Flow: FEMA\_Effective\_Flows\_bmc  
RS = 27.75



1) Proposed\_NAVD88\_bmc 2) Ex\_3XS\_NAVD88\_bmc  
Geom: Proposed\_Geom\_NAVD88\_3XS\_bmc Flow: FEMA\_Effective\_Flows\_bmc  
RS = 27.5



1) Proposed\_NAVD88\_bmc    2) Ex\_3XS\_NAVD88\_bmc  
Geom: Proposed\_Geom\_NAVD88\_3XS\_bmc    Flow: FEMA\_Effective\_Flows\_bmc  
RS = 27.25



March 8, 2024

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Director of Environmental Affairs  
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**RE: Wilton Inland Wetlands and Watercourses Agency Review  
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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.



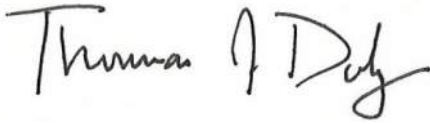
- R.CC-UT-57: A wall drain has been added to Wall #4.
- R.CC-UT-58: Gate valves have been added to the water lines.
- R.CC-UT-59: Light pole locations have been revised.
- R.CC-SE-1-4: See updated sheet SE-1 attached. Relevant details for staked coir logs, wire backed silt fence and turbidity curtain 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**

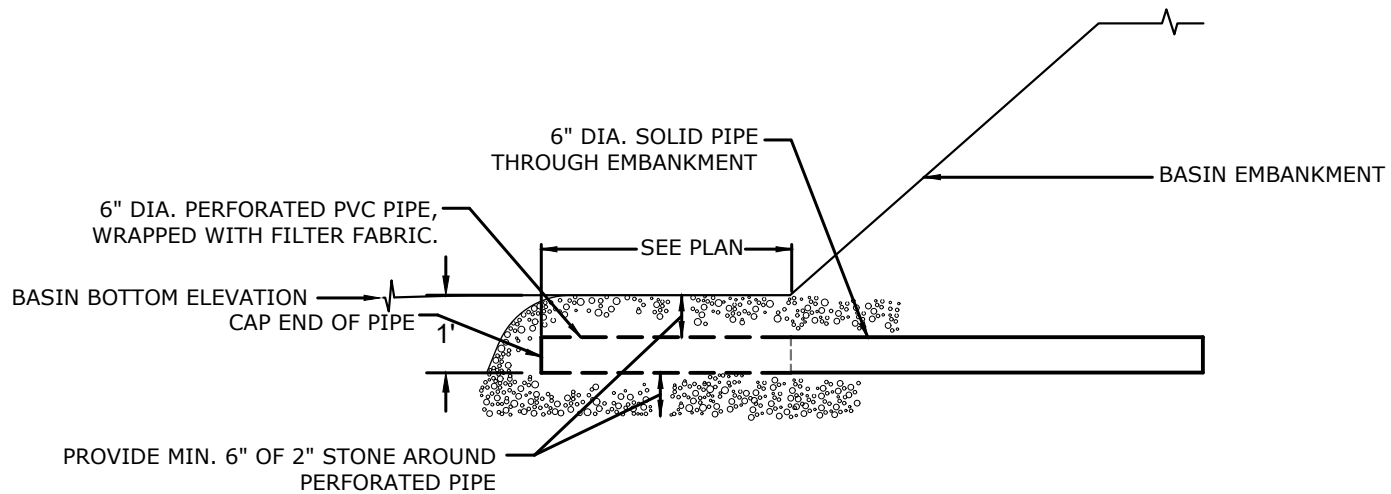


**Thomas J. Daly, PE**  
US Manager of Civil & Structural Engineering  
tdaly@slrconsulting.com

Attachments

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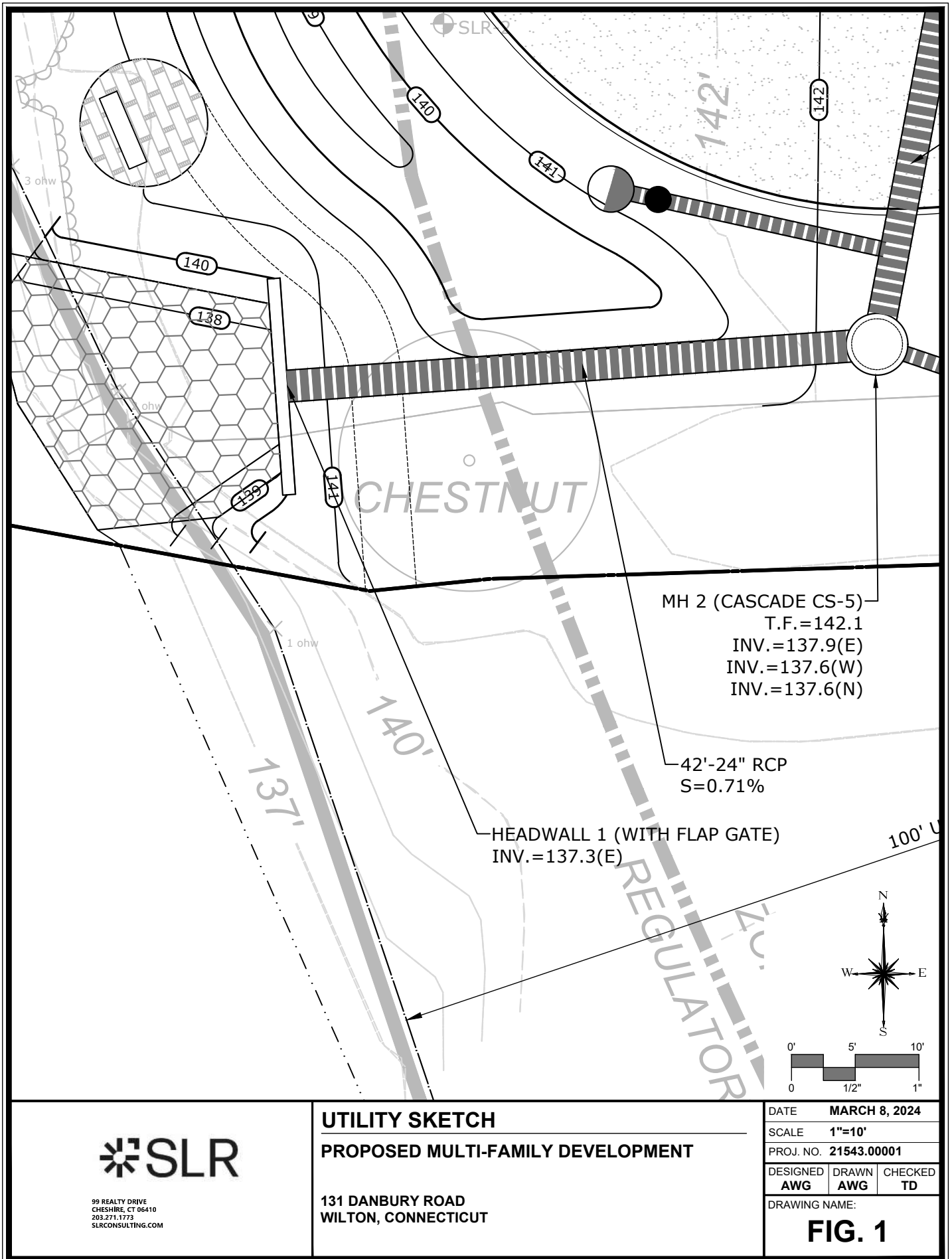


## **DEWATERING UNDERDRAIN**

**NOT TO SCALE**

Drawing: W:\CADD\DESIGN\21543.00001-DE\CAD\ANSW-UTILITIES.DWG Layout: TabB.SX11V

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



99 REALTY DRIVE  
CHESHIRE, CT 06410  
203.271.1773  
SLRCONSULTING.COM

## UTILITY SKETCH

### PROPOSED MULTI-FAMILY DEVELOPMENT

131 DANBURY ROAD  
WILTON, CONNECTICUT

DATE **MARCH 8, 2024**

SCALE **1"=10'**

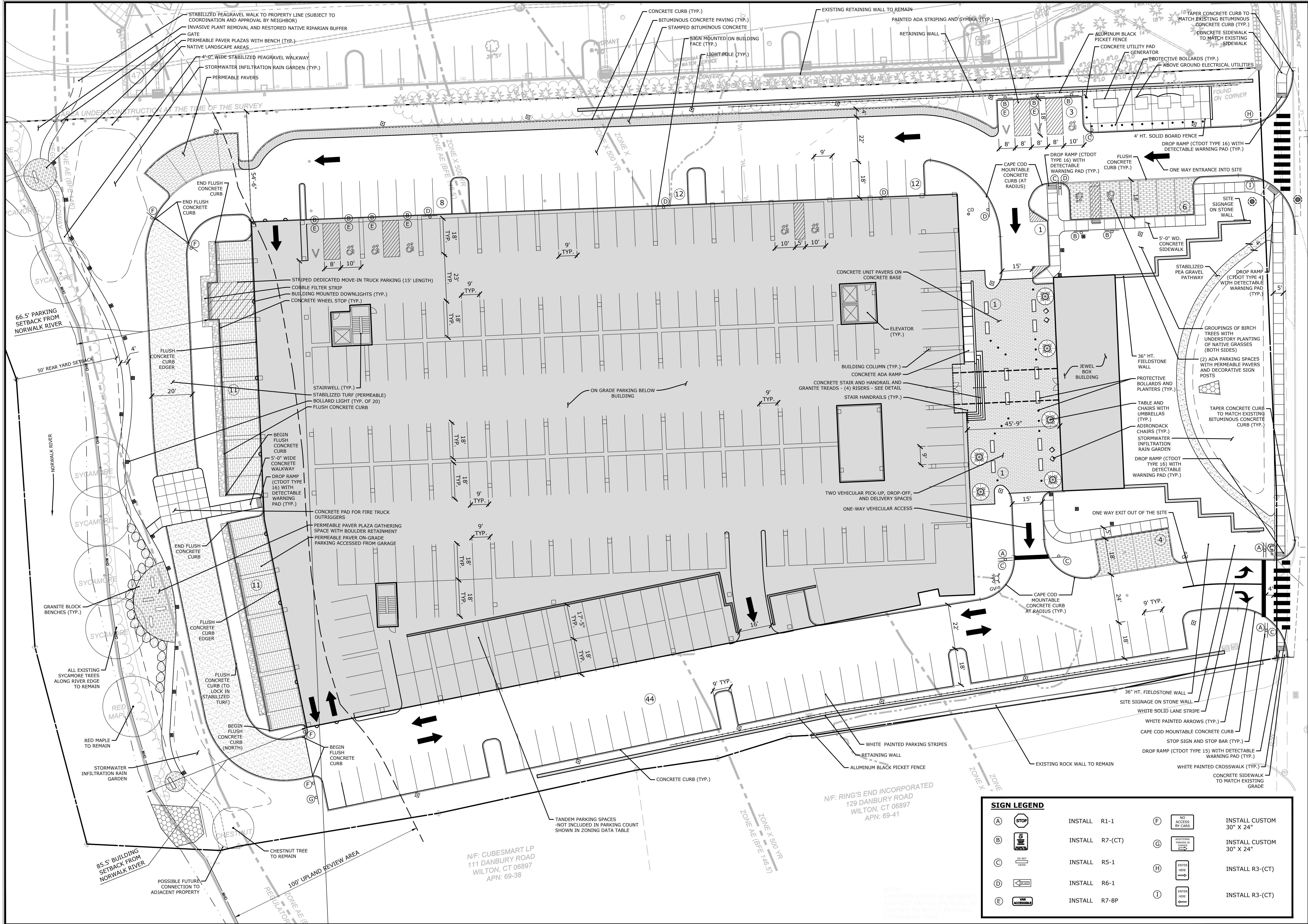
PROJ. NO. **21543.00001**

DESIGNED	DRAWN	CHECKED
AWG	AWG	TD

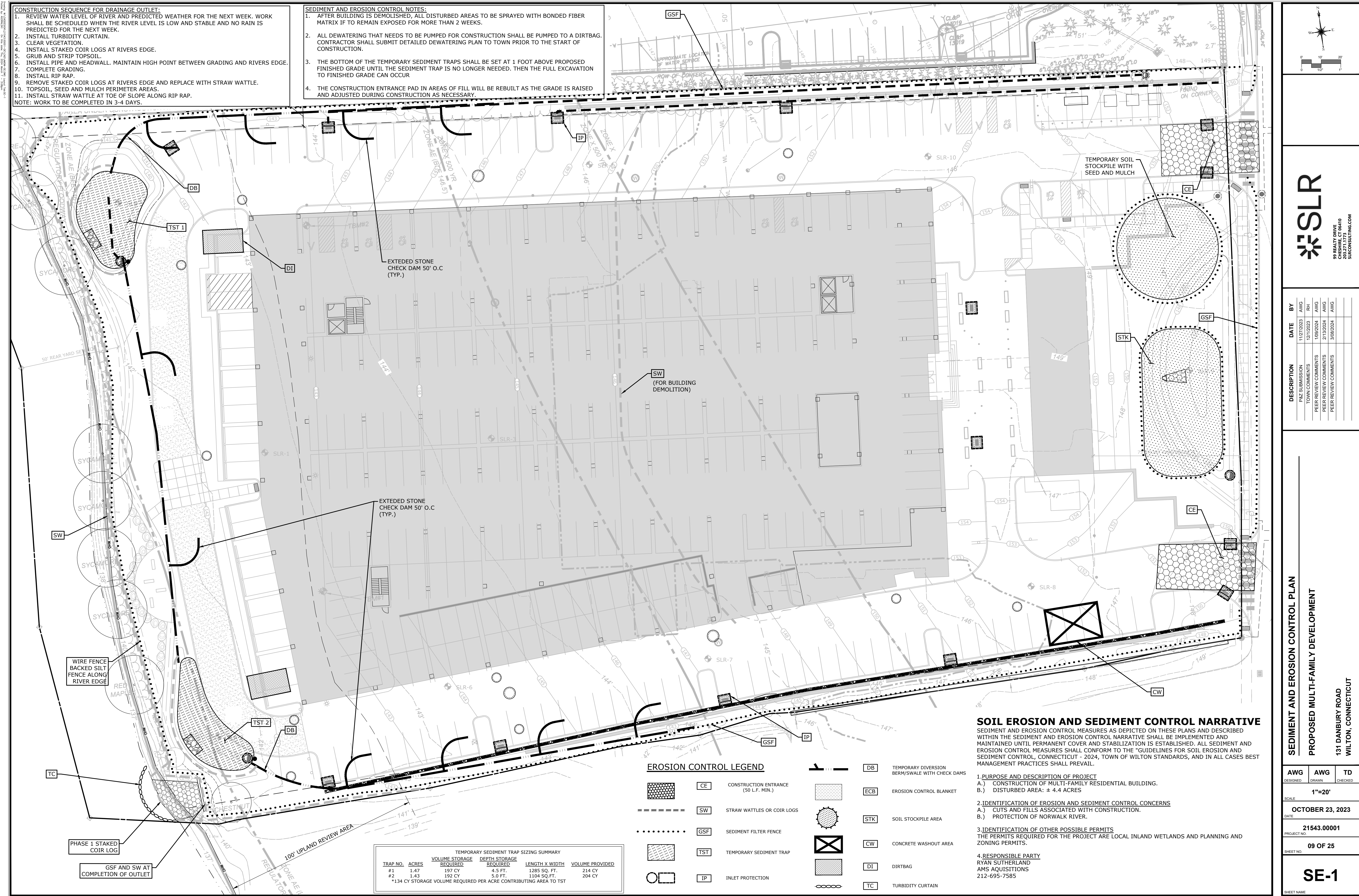
DRAWING NAME:

**FIG. 1**









0 10' 20'

99 REALTY DRIVE  
SUITE 100  
280.271.1773  
SLRCONSULTING.COM

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

SEDIMENT AND EROSION CONTROL PLAN  
PROPOSED MULTI-FAMILY DEVELOPMENT  
131 DANBURY ROAD  
WILTON, CONNECTICUT

AWG	AWG	TD
DESIGNED	DRAWN	CHECKED
SCALE 1"=20'		
OCTOBER 23, 2023 DATE		
21543.00001 PROJECT NO.		
09 OF 25		
SHEET NO.		
SE-1 SHEET NAME		



