

May 14, 2021

Mr. J. Andrew Bevilacqua, PE
Town Engineer
Town of North Haven
Memorial Town Hall
18 Church Street
North Haven, CT 06473

**Re: Site Plan – Upper Slate School
5100 Ridge Road
North Haven, Connecticut
SLR #141.16156.00003**

Dear Mr. Bevilacqua:

SLR International Corporation (SLR) is in receipt of your memorandum dated April 14, 2021, regarding the above-referenced project. We offer the following responses to the comments contained therein:

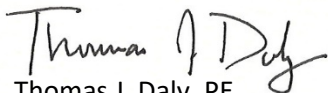
- C1. Stormwater management control has been reviewed in detail as part of the Inland Wetlands review process. Engineering's final set of comments to the Inland Wetlands Commission is attached for your reference.
- R1. Noted.**
- C2. More detail is needed on the proposed road widening including cross sections, detailed grading plans, a detailed layout plan (with dimensions), and details on the proposed pavement section, and bituminous curb. A line of silt fence should be provided downgradient of the road widening section. Coordinate relocation of the existing utility pole within the southerly road widening area.
- R2. Please see enclosed sheet SK-1.**
- C3. MH 17 should be replaced with a Gross Particle Separator in order to screen stormwater prior to entering the underground detention system.
- R3. CCB 19 diverts the stormwater runoff from the initial 1 inch of rainfall from the upper watershed (the watershed draining toward the underground detention system) to the proposed hydrodynamic separator located at MH 5. This hydrodynamic separator was sized properly to accommodate the additional first inch of runoff from the upper watershed, thus another particle separator is not necessary.**
- C4. A trash rack is needed at the stormwater management basin outlet control structure in order to protect against clogging of the 6" low level orifices.
- R4. Trash rack has been added to the plans. See details on sheet SD-4.**

- C5. Improve signage, and/or provide additional channeling islands in order to prevent vehicles entering the main parking lot from going the wrong way.
- R5. A "Do Not Enter" sign has been added to the "One Way" sign post and its location has been shifted to the southeast to align with the driver's viewshed upon entering the driveway. Additionally, a painted island has been added and a single 4" yellow line is proposed along the drive entrance.**
- C6. Provide an additional sidewalk section, handicap ramp, signage, and cross walk just west of the handicap parking spot in order to allow handicap users to safely cross the entry driveway.
- R6. See revised Layout sheet LA-1 (enclosed).**
- C7. Provide signage, gate, and/or pavement markings to restrict access to the utility access driveway.
- R7. Two "Service Vehicle Only" signs have been added at the entrance to the utility access drive.**
- C8. A fence or other means of protection should be provided at the top of retaining walls exceeding three feet in height.
- R8. Railings have been added to the retaining walls on the northwest and northeast corners of the proposed building. See sheet LA-1 (enclosed). Retaining wall guards have not been added to the walls along the southern property line as dense vegetation limits pedestrian access to them. This complies with the Amendments to the *State Building Code* section R312.1: "Retaining walls with a difference in finished grade from top of the wall to the bottom of the wall that is greater than 4 feet shall be provided with guards complying with Section R312 when there is a walking surface, parking lot, or driveway on the high side located closer than 2 feet to the retaining wall. For the purposes of this section, grass, planting beds or landscaped areas shall not be considered a walking surface."**
- C9. A site lighting plan should be provided demonstrating no light intrusion on abutting properties.
- R9. See enclosed Photometric Plan.**

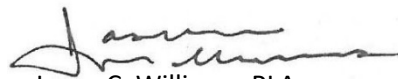
If you have any questions, please do not hesitate to reach out to me at (203) 271-1773 with any questions.

Sincerely,

SLR International Corporation



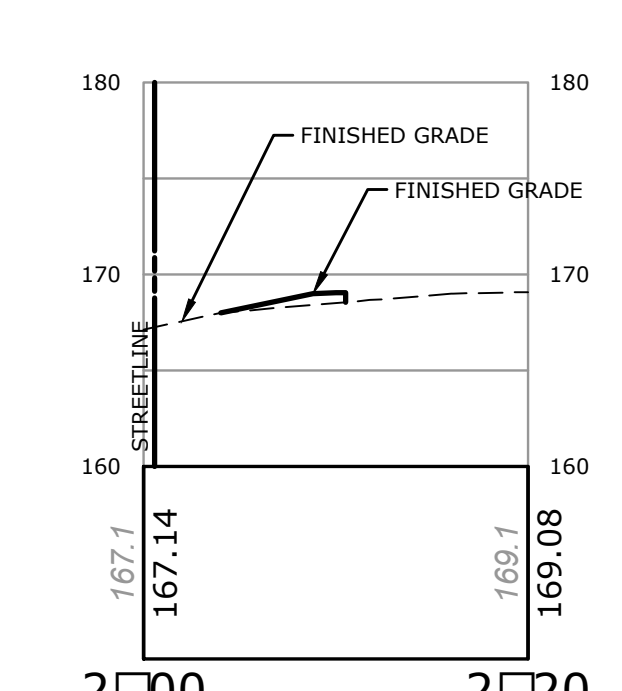
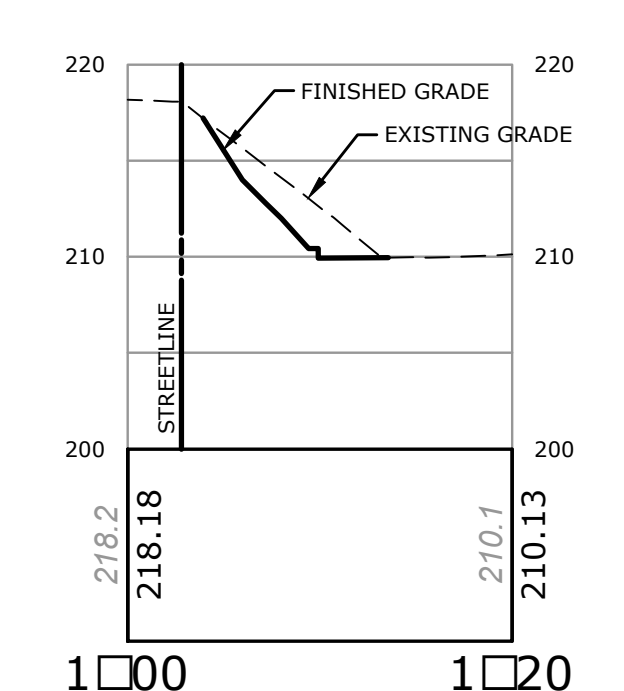
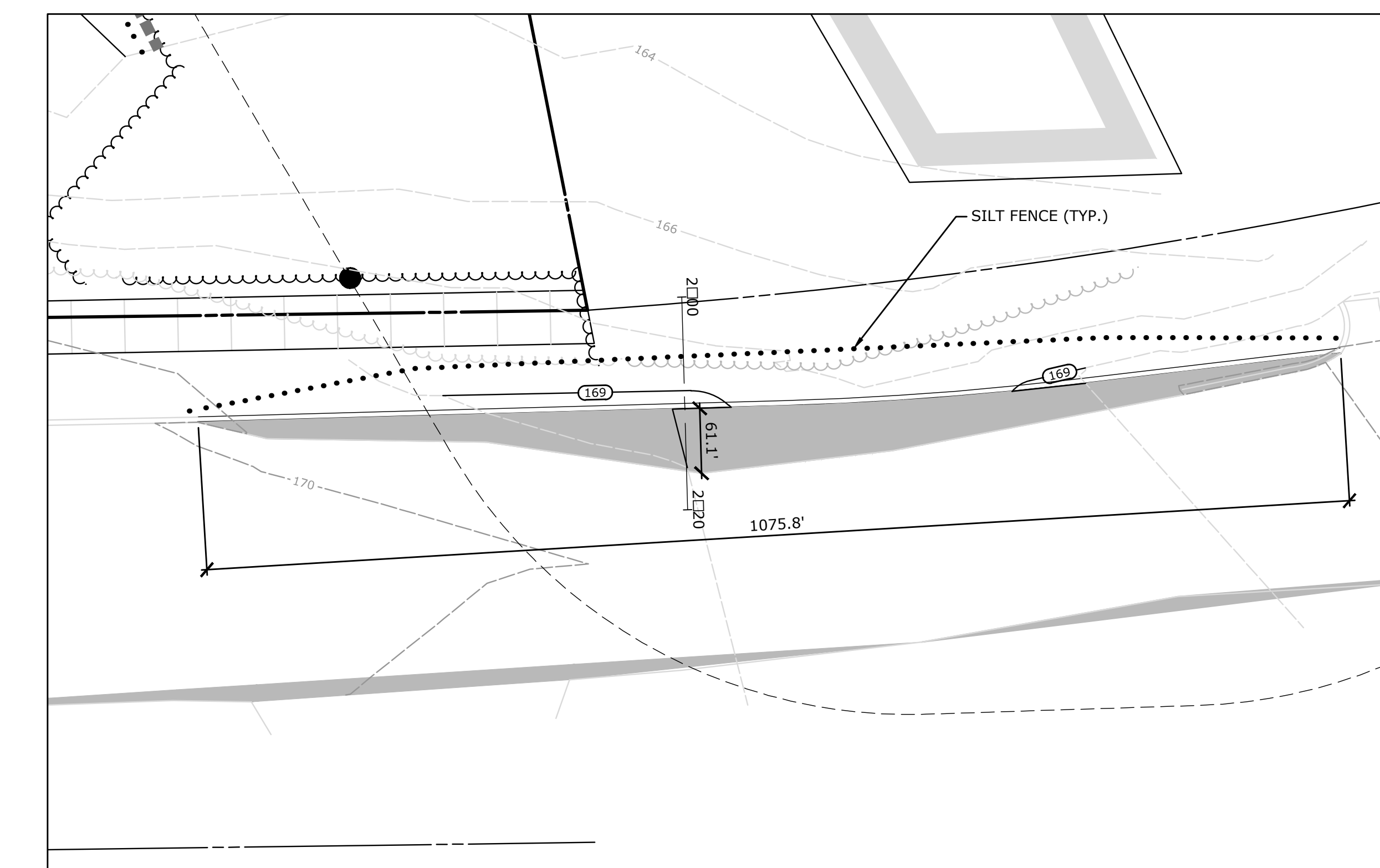
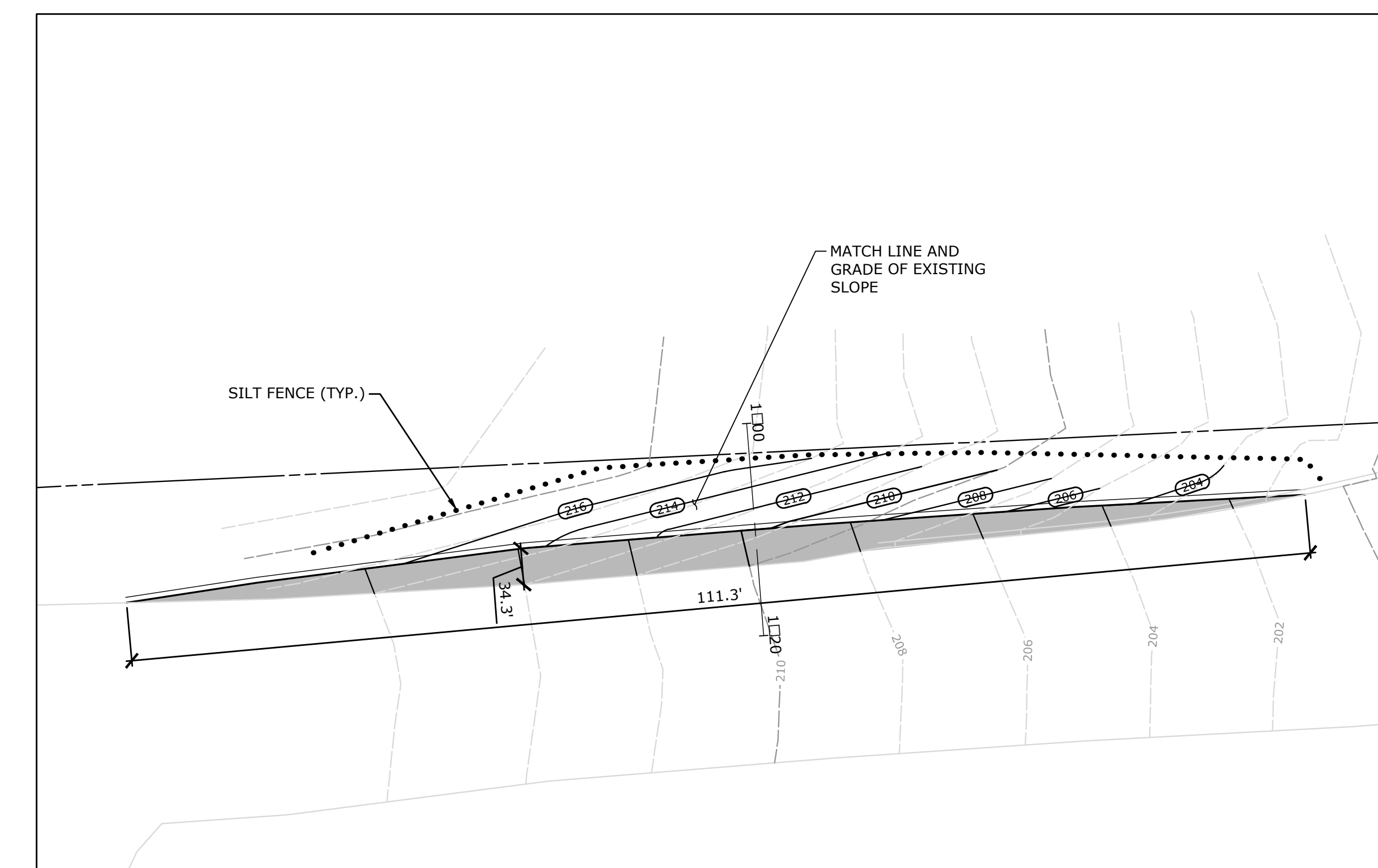
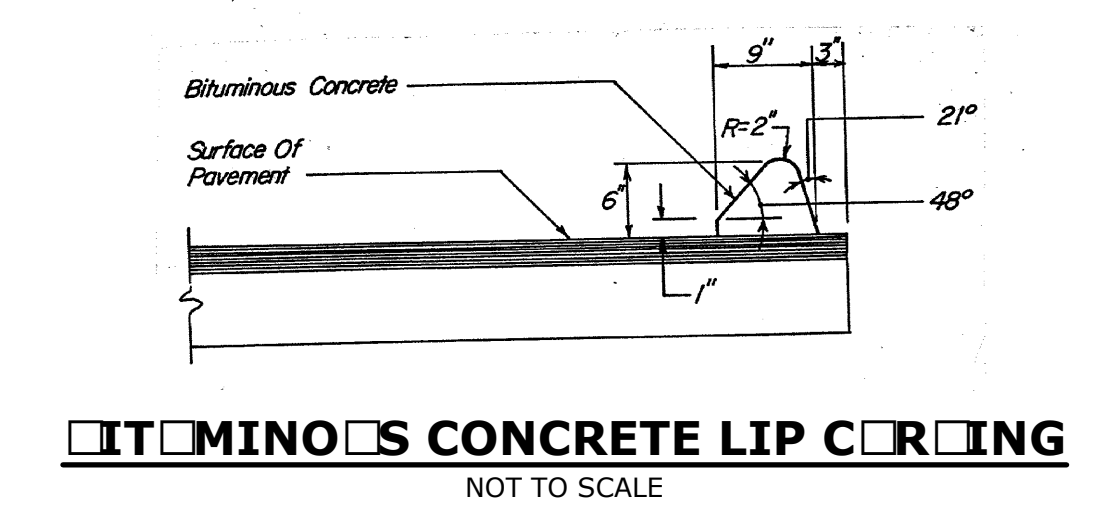
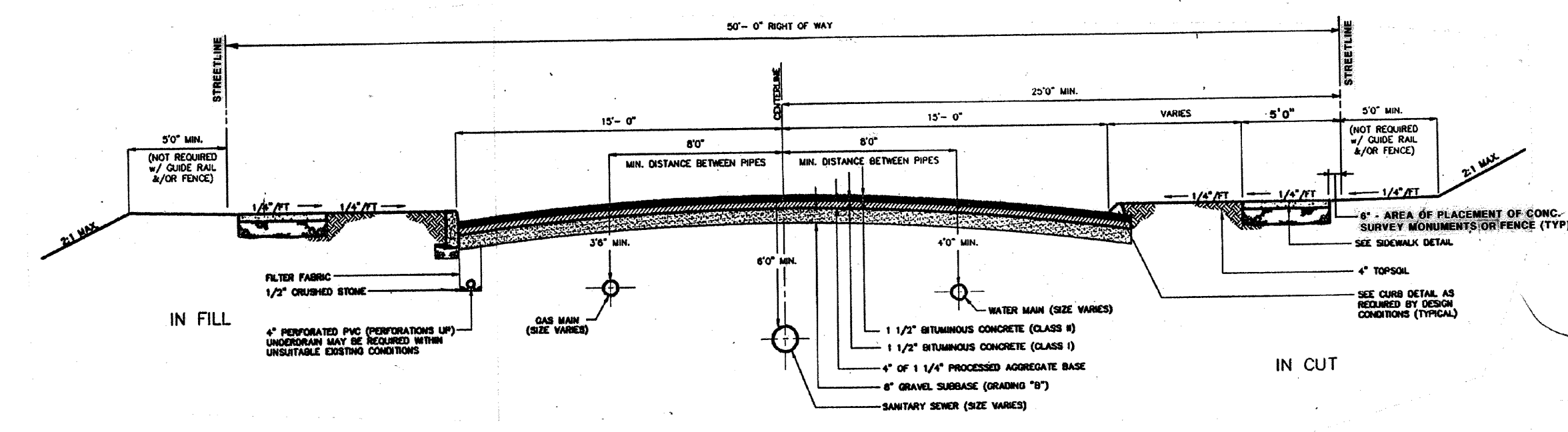
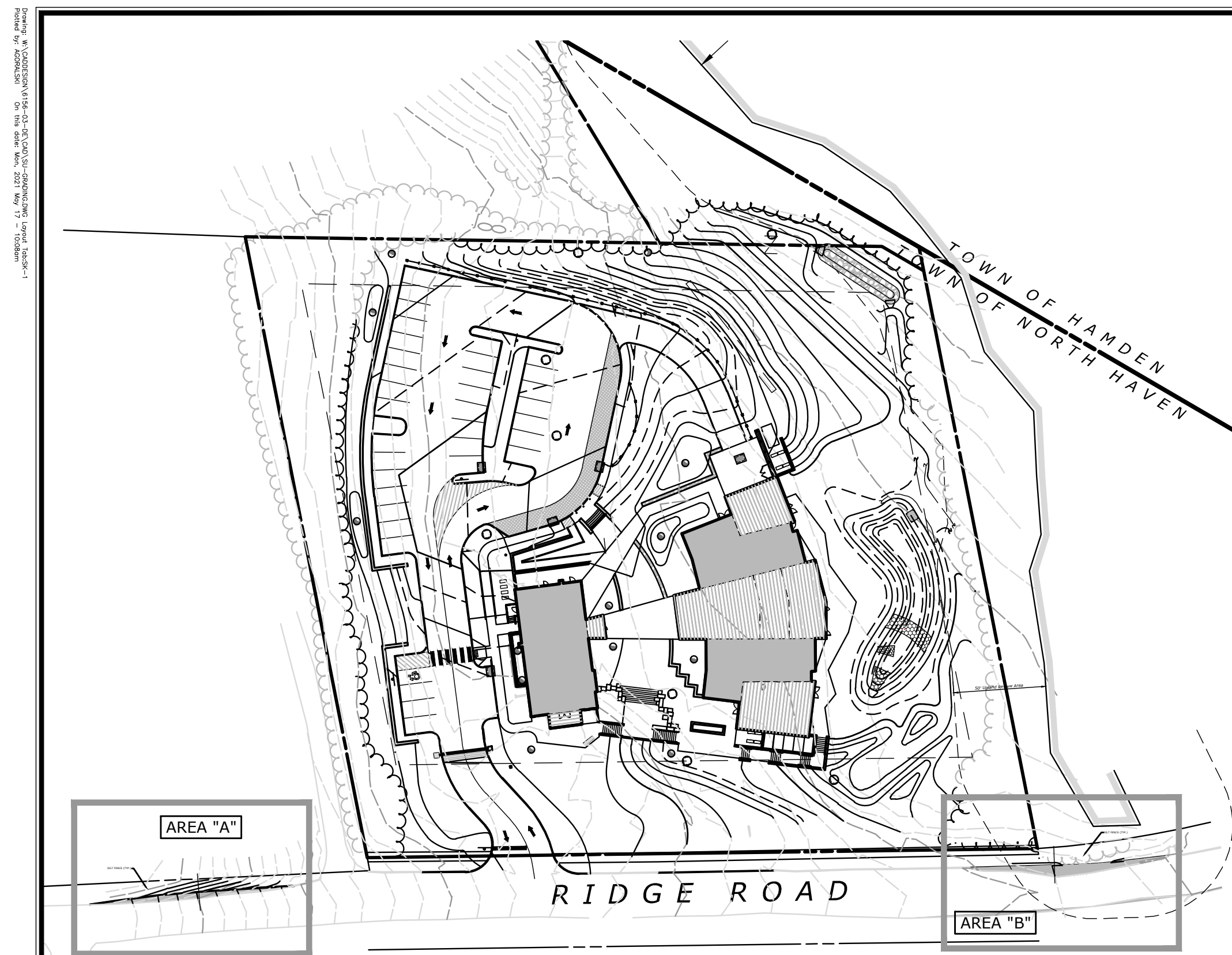
Thomas J. Daly, PE
US Manager of Civil & Structural Engineering



Jason C. Williams, PLA
Principal Landscape Architect

Enclosures

141.16156.00003.m1421.ltr



DESCRIPTION	DATE	BY

SITE PLAN - GRADING AND SECTION ENLARGEMENTS
SLATE UPPER SCHOOL
5100 RIDGE ROAD
NORTH HAVEN, CONNECTICUT

JW	AWG	JW
DESIGNED	DRAWN	CHECKED
SCALE: AS NOTED		
DATE: MAY 14, 2021		
PROJECT NO.: 6156-03		
SHEET NO.:		

SK-1

TRAFFIC SIGN LEGEND

- 1 INSTALL 31-1177
- 2 INSTALL CUSTOM 12" X 24"
- 3 INSTALL 31-0552
- 4 INSTALL 31-1119
- 5 INSTALL CUSTOM 12" X 18"

PAVER LEGEND

- A PAVER- LIGHT
- B PAVER- DARK

COLORED CONCRETE LEGEND

- C LIGHT
- D DARK

LIGHTING LEGEND

	POLE MOUNTED LIGHTING	8
	BOLLARD LIGHT	11
	STEP LIGHTS (IN WALL)	13
	LED STRIP LIGHTING	7
	HANDRAIL LIGHTING	6
	BUILDING MOUNTED LIGHTING	5
	WALL MOUNTED LIGHTING	9

MATCHLINE - SEE THIS SHEET

POLE MOUNTED LIGHTING (TYP.)

MODULAR BLOCK RETAINING WALL

PAINTED ISLAND

COLORED CONCRETE WALL

COLORED CONCRETE RAMP (5% SLOPE)

TRAFFIC SIGN- SEE LEGEND THIS SHEET

COLORED CONCRETE WALK (TYP.)

TREE UPLIGHTS (TYP.)

8% SLOPE HANDICAP RAMP WITH HANDRAILS

NEW STAIRS TO BUILDING ENTRANCE (SEE ARCHITECTURAL PLANS)

PAINTED CROSSWALK (TYP.)

CONCRETE RETAINING WALL (TYP.)

HANDICAPPED PARKING SIGN

WHITE EPOXY HANDICAP STRIPING

MODULAR BLOCK RETAINING WALL

4" SOLID YELLOW PAINTED LINE

GRANITE BELGIAN BLOCK APRON

AUTOMATED GATE AND COLUMNS

EDGE OF EXISTING ROADWAY

NEW BITUMINOUS CONCRETE CURB

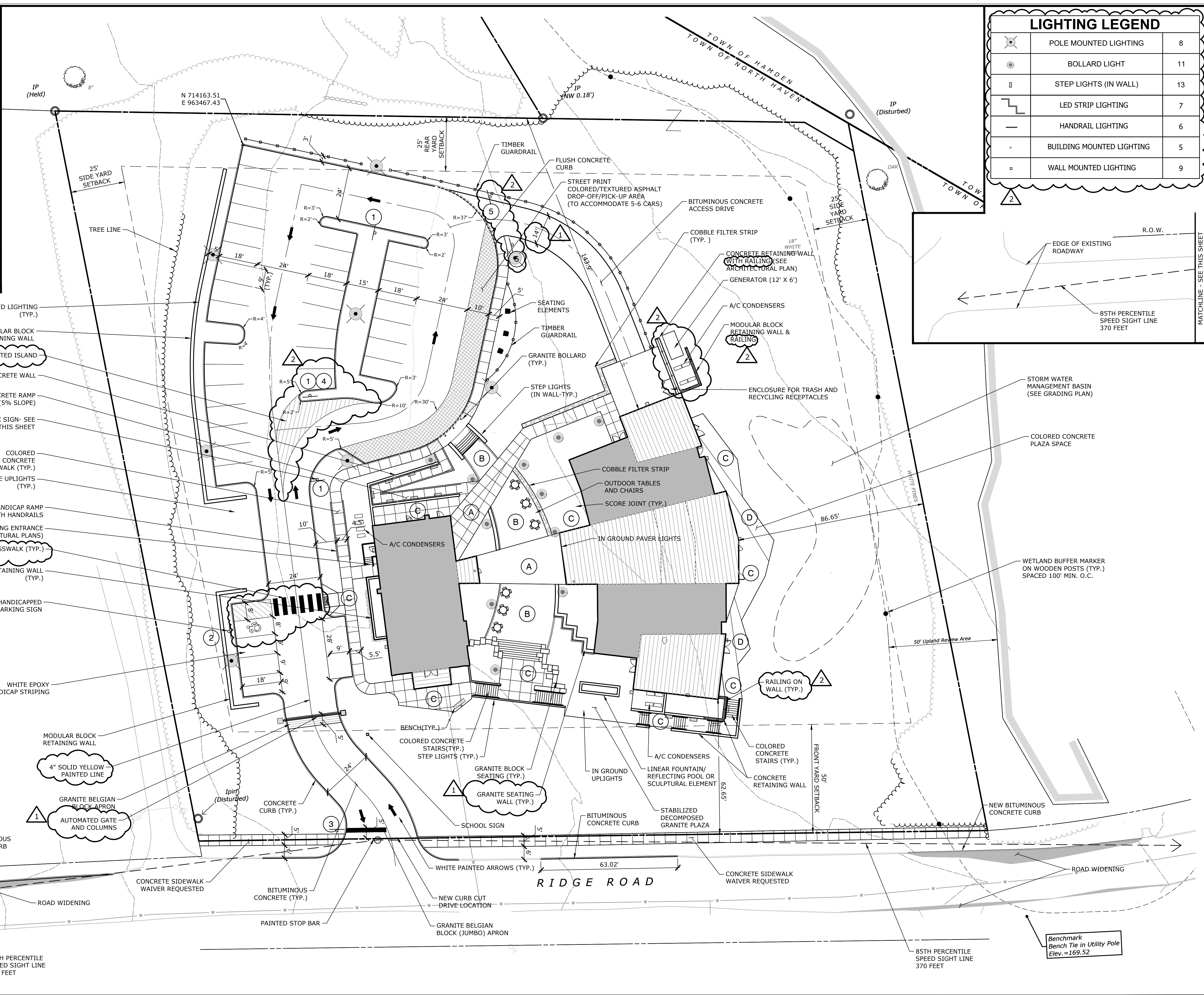
ROAD WIDENING

CONCRETE SIDEWALK WAIVER REQUESTED

BITUMINOUS CONCRETE (TYP.)

PAINTED STOP BAR

85TH PERCENTILE SPEED SIGHT LINE 370 FEET



1" = 20'

MILONE & MACBROOM

99 BEAULTY DRIVE
CHESHIRE, CT 06610
WWW.MILONE.COM

DESCRIPTION	DATE	BY
PLANNING AND ZONING	11/05/20	JW
TOWN COMMENTS	12/10/20	AWB
WETLANDS HEARING RESPONSE	02/17/21	JW
COMMENT RESPONSE LETTER PAZ	05/14/21	JW

SITE PLAN - LAYOUT

SLATE UPPER SCHOOL

5100 RIDGE ROAD
NORTH HAVEN, CONNECTICUT

JW/BK	BK	JW
DESIGNED	DRAWN	CHECKED

SCALE: 1"=20'

DATE: OCTOBER 27, 2020

PROJECT NO: 6156-03

SHEET NO: 04 OF 15

LA-1

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RIDGE ROAD

Luminaire Schedule						
Qty	Tag	Lum. Watts	LLF	Description		
1	SL3HS	85.6	0.900	AAL FH2-72L-385-3K7-3-CL-HS Mounted @ 15FT AFG		
4	SL4	85.6	0.900	AAL FH2-72L-385-3K7-4W-CL Mounted @ 15FT AFG		
1	SL4HS	85.6	0.900	AAL FH2-72L-385-3K7-4W-CL-HS Mounted @ 15FT AFG		
2	SL5	85.6	0.900	AAL FH2-72L-385-3K7-5W-CL Mounted @ 15FT AFG		
4	WP2	13.9	0.900	Hubbell QSP1-12L15-3K7-2 Mounted @ 15FT AFG		
1	WP3	28.1	0.900	Hubbell QSP1-12L30-3K7-3 Mounted @ 15FT AFG		
4	WP4	28.1	0.900	Hubbell QSP1-12L30-3K7-4 Mounted @ 15FT AFG		
11	EX-B	38	0.900	Arcluce S-OR-0-2-0-3-x-S TOF @ 39 3/8IN AFG		
7	EX-D	11.25	0.900	Beulux Flexbeam FB-D30-IP67-CT30		
18	EX-R	31.18	0.900	Cole Lightrail LRS-R1A-20-LED Mounted at 30IN AFG		
13	EX-S	6	0.900	MP L49-6W30SX30-MA Mounted @ 18IN AFG		
2	EX-T2	10	0.900	Eclipse Troy TY-20-CM-LED10-3K-DN-120-BZ Mounted @ 8FT AFG		
3	EX-T1	20	0.900	Eclipse Troy TY-20-WM-LED20-3K-UP-DN-120-BZ Mounted @ 8FT AFG		
Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Beyond Property Line	Fc	0.00	0.1	0.0	N.A.	N.A.
Site Calc	Fc	1.33	80.3	0.0	N.A.	N.A.
ADA Ramp	Fc	3.34	16.1	0.7	4.77	23.00
Parking Lot	Fc	1.98	4.3	0.3	6.60	14.33
Path of Egress Church	Fc	3.91	11.7	0.1	39.10	117.00
Path of Egress Upper Bldg	Fc	1.91	18.4	0.1	19.10	184.00

Project:
Upper Slate School

Contact:
Liza Tuttle
Specification Sales
(860) 751-4388
ltuttle@illuminatene.com

Detail: Photometric Calculation
Date: 5-13-21
Revision: ---
Scale: N.T.S.
Drawn By: ---

Drawing Number:
L-1

illuminatene
44 Sixth Road
Woburn, MA 01801
(781) 935-8500
333 Pleasant Valley Road
South Windsor, CT 06074
(860) 282-0597

Sheet 1 of 1