



PROJECT ADDRESS

PENTUCKET REGIONAL SCHOOL
24 MAIN STREET
WEST NEWBURY, MA 01985

OWNER

PENTUCKET REGIONAL SCHOOL DISTRICT
22 MAIN STREET
WEST NEWBURY, MA 01985
P: 508.822.1000

ARCHITECT

DORE & WHITTIER ARCHITECTS, INC.

260 MERRIMAC STREET
BUILDING 7, 2nd FLOOR
NEWBURYPORT, MA 01950
P: 978.499.2999
F: 978.499.2944

212 BATTERY STREET
BURLINGTON, VT 05401
P: 802.863.1428
F: 802.863.6955

CIVIL CONSULTANT

NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 0202108111
P: 617.338.0063
F: 617.338.6472

FOOD SERVICE CONSULTANT

CRABTREE McGRATH ASSOCIATES
161 WEST MAIN STREET
GEORGETOWN, MA 01833
P: 978.352.8500
F: 978.352.8588

MEP CONSULTANT

VANDERWEIL ENGINEERS
274 SUMMER STREET
BOSTON, MA 02210
P: 617.423.7423

FP CONSULTANT

VAV INTERNATIONAL
400 CUMMINGS PARK S-4700
WOBURN, MA 01801
P: 781.935.7228

ENVIRONMENTAL CONSULTANT

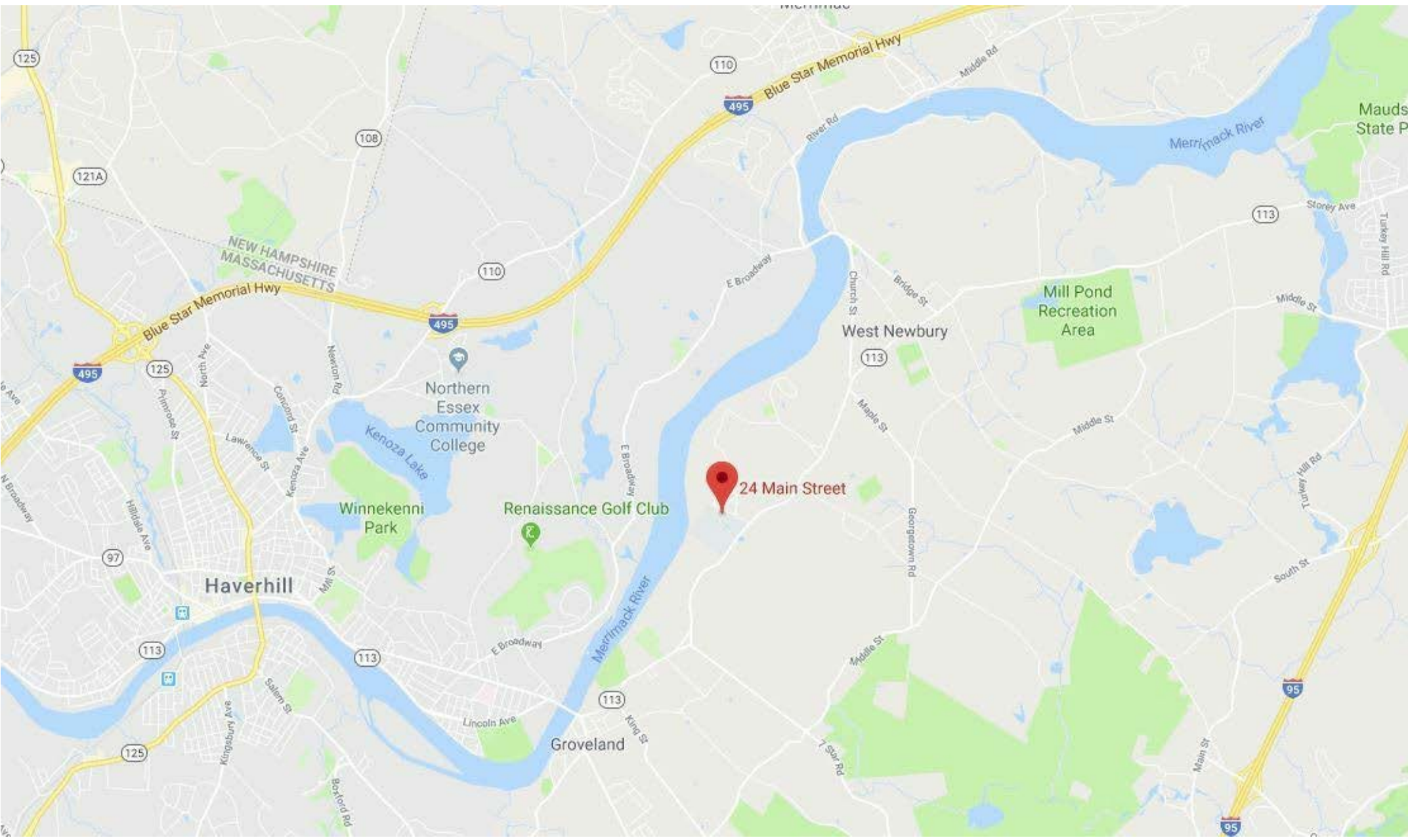
LEC ENVIRONMENTAL
0 LOWELL STREET, SUITE 101
WAKEFIELD, MA 01880
P: 781.245.2500

PENTUCKET REGIONAL SCHOOL SITE ZONING TABLE

	Minimum Lot Area	Lot Frontage	% of Required Lot area as Contiguous	Setbacks					Max Lot Cov.	Max Bldg Cov.	Max Height	
				Min Front	Min. Side	Min Rear						
Res. B/C District	40,000/20,000	200'/150'	75'	40'	20'	20'			30%/35%	25%/30%	35'	
Existing - (to be demolished)	1.7 mil. +/- / 575,000 +/-	1150' / 255'	340' / 250'	340' / 250'	72' / 28'	440' / 1000' +/-	27% / 33%	10% / 12%			40' +/-	To Be Demolished
Proposed	No Change*	No Change*	No Change *	3020' / 450'	57' / 72'	91' / 1000' +/-	35% / 36%	7% / 1%			49'7"	

	Footprint area (Sqr. Ft)	Gross Floor Area (Sqr. Ft)	Number of Stories	Floor Elevations (Ft.)	Building Height (Ft.)
Proposed	104,839.00	211,700.00	3	33'	49'7"

Existing	Middle School	115,000	115,000	1	45'	25' +/-
	High School	104,000	147,000	2	43'	40' +/-



LOCUS MAP

OWNER'S PROJECT MANAGER

THE VERTEX COMPANIES, INC.
400 LIBBEY PARKWAY
WEYMOUTH, MA 02189
P: 781.952.6000

ACOUSTICAL CONSULTANT

CAVANAUGH TOCCI ASSOCIATES
327 BOSTON POST ROAD, #F
SUDBURY, MA 01776
P: 978.443.8771

LANDSCAPE CONSULTANT

BROWN SARDINA
24 ROLAND STREET, FLR 2
BOSTON, MA 02129
P: 617.4824703

TECHNOLOGY CONSULTANT

EDVANCE TECHNOLOGY DESIGN, INC.
300 BRICKSTONE SQUARE
NORTH ANDOVER, MA 01880
P: 978.256.9900

THEATER CONSULTANT

SCHEU CONSULTING SERVICES, INC.
113 WOODBERRY LANE
FAYETTEVILLE, NY 13066
P: 315.214.4564
F: 315.266.9292

STRUCTURAL CONSULTANT

ENGINEERS DESIGN GROUP, INC.
350 MAIN ST., FLOOR 2
MALDEN, MA 02148
P: 781.396.9007
F: 781.396.9008

SUSTAINABLE DESIGN

THE GREEN ENGINEER
54 JUNCTION SQUARE DRIVE
CONCORD, MA 01742
P: 978.369.8978
F: 781.240.8003

HAZARDOUS MATERIALS

UNIVERSAL ENVIRONMENTAL CONSULTANTS
12 BREWSTER ROAD
FRAMINGHAM, MA 01702
P: 508.628.5486
F: 508.628.5488

DRAWING LIST

SURVEY
EX0.00 EXISTING CONDITIONS KEYPLAN
EX0.01 EXISTING CONDITIONS SITE PLAN
EX0.02 EXISTING CONDITIONS SITE PLAN
EX0.03 EXISTING CONDITIONS SITE PLAN

PHASING

(01/24/2020)

GP1.10 PHASING PLANS
GP1.20 PHASING PLANS
GP2.00 PHASING PLANS
GP3.00 PHASING PLANS
GP4.00 PHASING PLANS

CIVIL

(01/31/2020)

C0.01 Civil Notes, Abbreviations, and Legend
C1.00 Utility Demolition and Erosion Control Key Plan
C1.01 Site Utility Demolition and Erosion Control Plan
C1.02 Site Utility Demolition and Erosion Control Plan
C2.00 Site Vehicular Layout and Materials Key Plan
C2.01 Site Vehicular Layout and Materials Plan
C2.02 Site Vehicular Layout and Materials Plan
C2.03 Site Vehicular Layout and Materials Plan
C3.00 Site Utility Key Plan
C3.01 Site Utility Plan
C3.02 Site Utility Plan
C3.03 Site Utility Plan
C4.00 Erosion Control Details
C4.01 Site Vehicular Layout and Materials Details
C4.02 Site Utility Details
C4.03 Site Utility Details
C4.04 Site Utility Details

LANDSCAPE

(01/24/2020)

L1.00 Sheet Layout Plan - Overall
L1.01 Layout and Materials Plan - Sheet 1
L1.02 Layout and Materials Plan - Sheet 2
L1.03 Layout and Materials Plan - Sheet 3
L1.04 Materials Enlargement - Front Courtyard
L1.05 Layout Enlargement - Front Courtyard
L1.06 Layout and Materials Enlargement - Rear Courtyard
L2.01 Grading Plan - Sheet 1
L2.02 Grading Plan - Sheet 2
L2.03 Grading Plan - Sheet 3
L2.04 Grading Enlargement - Front Courtyard
L2.05 Drainage Enlargement - Front Courtyard
L2.06 Grading and Drainage Enlargement - Rear Courtyard
L3.00 Soil Disposition Plan
L3.01 Planting Plan - Sheet 1
L3.02 Planting Plan - Sheet 2
L3.03 Planting Plan - Sheet 3
L3.04 Planting Schedule and Details
L4.01 Site Details
L4.02 Site Details
L4.03 Site Details
L4.04 Site Details
L4.05 Site Details
L4.06 Site Details
L4.07 Site Details

ARCHITECTURAL

(01/24/2020)

A1.10 LEVEL 1 OVERALL PLAN
A1.20 LEVEL 2 OVERALL PLAN
A1.30 LEVEL 3 OVERALL PLAN
A4.10 OVERALL EXTERIOR ELEVATIONS
A4.11 EXTERIOR ELEVATIONS
A4.12 EXTERIOR ELEVATIONS
A4.13 EXTERIOR ELEVATIONS
A4.14 EXTERIOR ELEVATIONS
A4.15 EXTERIOR ELEVATIONS
A4.16 EXTERIOR ELEVATIONS
A4.17 EXTERIOR ELEVATIONS
A4.20 EXTERIOR ELEVATIONS

ELECTRICAL

(01/24/2020)

E0.10 SITE DETAILS SHEET 1
E0.11 SITE DETAILS SHEET 2
E0.12 SITE DETAIL SHEET 3
E0.21 LIGHTING - SITE PLAN - AREA 1
E0.22 LIGHTING - SITE PLAN - AREA 2
E0.23 LIGHTING - SITE PLAN - AREA 3
E0.02 LIGHTING FIXTURE SCHEDULE
LT1.01 SITE LIGHTING - SHEET 1 REVISED
LT1.02 SITE LIGHTING - SHEET 2 REVISED
LT1.03 SITE LIGHTING - SHEET 3 REVISED

PARKING TABLE			
	EXISTING	ITE PARKING REQUIREMENT BASED ON NUMBER OF STUDENTS	PROPOSED
STANDARD	113		412
HANDICAP	9	9	14
TOTAL	122	425	426
PLANNED NUMBER OF STUDENTS			
PROPOSED PARKING SPACES PER STUDENT			
1:45			
*West Newbury Zoning By-Law states no more than seventy-five (75) percent of the developed lot area not covered by building(s) shall be devoted to parking and loading spaces.			



PROPOSED



PROPOSED SUPERIMPOSED OVER EXISTING CONDITIONS AERIAL PHOTO



EXISTING CONDITIONS AERIAL PHOTOGRAPH

PENTUCKET REGIONAL SCHOOL DISTRICT BUILDING PROJECT

D&W PROJECT # 17-0762

24 MAIN STREET
WEST NEWBURY, MA 01985

PLANNING BOARD APPLICATION REVISED



dw
DORE + WHITTIER
DORE + WHITTIER ARCHITECTS, INC.
MASSACHUSETTS
280 MERRIMAC ST. BUILDING 7, 2ND FLOOR
NEWBURYPORT, MA 01950
P. 978-469-2809
VERMONT
212 BATTERY STREET
BURLINGTON, VT 05401
P. 802.863.1428
SURVEY PREPARED BY:
MERRIMACK ENGINEERING SERVICES
85 PARK STREET
ANDOVER, MASSACHUSETTS 01810
PHONE: (978) 475-3855 FAX: (978) 475-1448
EMAIL: MERRIMACK@AOL.COM

**PENTUCKET REGIONAL
SCHOOL DISTRICT
BUILDING PROJECT**

**24 MAIN ST.
WEST NEWBURY, MA 01985**

PROJECT NUMBER: **17-0762**

SEAL AND SIGNATURE:

Date: 12/19/19

REVISIONS:

NO.	DATE	TITLE

ISSUE TITLE AND DATE:
Survey issued 2/4/20
Original survey issued 12/19/19
KEY PLAN



- NOTES**
- SEE TOWN OF WEST NEWBURY ASSESSORS MAP 10 LOT 10, MAP 10 LOT 20 AND TOWN OF GROVELAND ASSESSORS MAP 2 LOT 8 FOR SITE.
SEE THE FOLLOWING E.S.D.R.D REFERENCES:
WEST NEWBURY
BOOK 4239 PAGE 90
LC CERT. 34462
LC PLAN 32819A
GROVELAND
BOOK 5086 PAGE 422
PLAN BOOK 287 PLAN 61
PLAN 2285 (ENGINEERS OFFICE)
PLAN 2287 (ENGINEERS OFFICE)
 - TOPOGRAPHIC DATUM BASE IS 1988 N.A.V.D. ESTABLISHED BY G.P.S. BENCHMARK IS X-CUT ON BOLT OVER MAIN OUTLET OF HYDRANT LOCATED ON MAIN STREET, WEST NEWBURY. ELEVATION=36.43. FIELDWORK WAS COMPLETED ON DECEMBER 14, 2018.
 - WETLAND SOUTH OF HIGH SCHOOL DELINEATED BY NORSE ENVIRONMENTAL SERVICES, INC., 92 MIDDLESEX ROAD-UNIT 4, TYNGSBORO, MA DATED DECEMBER 5, 2018 AND FIELD SURVEYED BY MERRIMACK ENGINEERING SERVICES ON SEPTEMBER 9, 2019.
 - LIMIT OF MERRIMACK ENGINEERING SERVICES GROUND SURVEY IS 700'± WEST OF MAIN STREET. SURVEY WEST OF THAT LIMIT PROVIDED BY DORE AND WHITTIER ARCHITECTS, INC. AND BY OTHER SURVEYORS.

ORIENTATION AND SCALE:

SHEET NUMBER:
**EXISTING
CONDITIONS
KEY PLAN**
A **EX0.00**



dw
DORÉ + WHITTIER
DORÉ + WHITTIER ARCHITECTS, INC.
MASSACHUSETTS
280 MERRIMAC ST. BUILDING 7, 2ND FLOOR
NEWBURYPORT, MA 01950
P: 978-499-2999

VERMONT
212 BATTERY STREET
BURLINGTON, VT 05401
P: 802.863.1428

SURVEY PREPARED BY:
MERRIMACK ENGINEERING SERVICES
66 PARK STREET
ANDOVER, MASSACHUSETTS 01810
PHONE: (978) 475-3553 FAX: (978) 475-1448
EMAIL: MERRIMACK@AOL.COM

**PENTUCKET REGIONAL
SCHOOL DISTRICT
BUILDING PROJECT**

24 MAIN ST.
WEST NEWBURY, MA 01985

PROJECT NUMBER: **17-0762**

SEAL AND SIGNATURE:

Date: 12/19/19

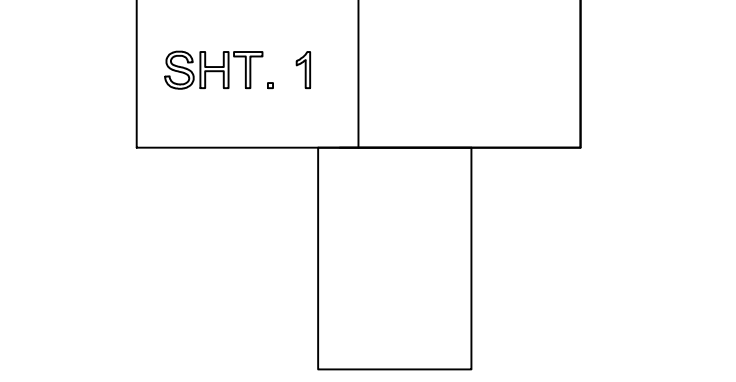
REVISIONS:

NO.	DATE	TITLE

ISSUE TITLE AND DATE:
Survey issued 2/4/20
Original survey issued 12/19/19

COPYRIGHT © 2019 by Doré & Whittier Architects, Inc. (DW). These documents are the intellectual property of DW and shall remain the property of DW. No part of these documents may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying and recording, or by any information storage or retrieval system, without prior written permission from DW.

KEY PLAN

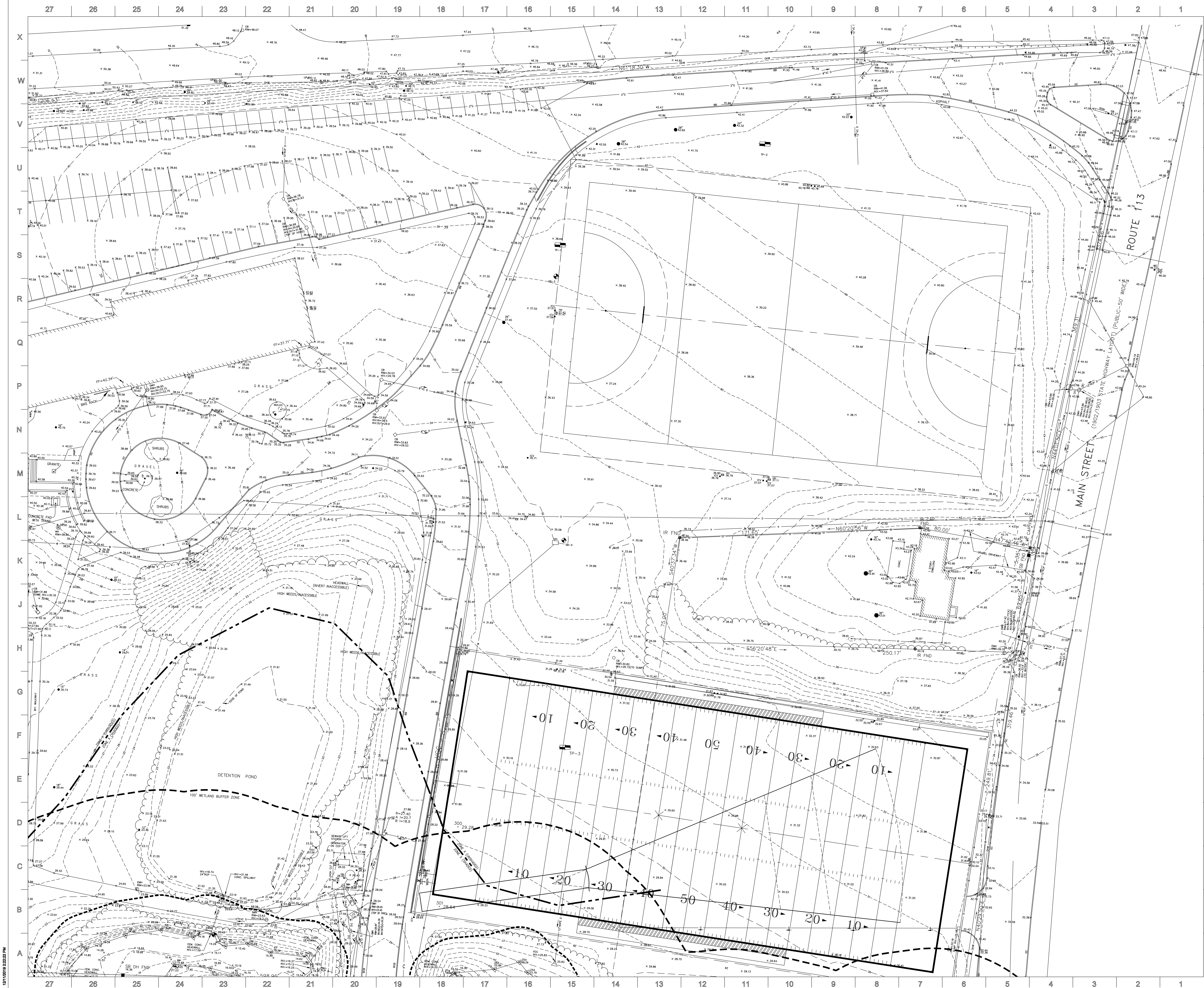


ORIENTATION AND SCALE:

SCALE: 1"=20' GRAPHIC SCALE

PROJECT NORTH
SHEET TITLE:
**EXISTING
CONDITIONS
PLAN**

SHEET NUMBER:
EX0.01



DORE + WHITTIER

DORE + WHITTIER ARCHITECTS, INC.

MASSACHUSETTS
260 MERRIMAC ST. BUILDING 7, 2ND FLOOR
NEWBURYPORT, MA 01950
P: 978-499-2999

VERMONT
212 BATTERY STREET
BURLINGTON, VT 05401
P: 802.863.1428

SURVEY PREPARED BY:

MERRIMACK ENGINEERING SERVICES
68 PARK STREET
ANDOVER, MASSACHUSETTS 01810
PHONE: (978) 475-3555 FAX: (978) 475-1448
EMAIL: MERRENG@AOL.COM

PENTUCKET REGIONAL SCHOOL DISTRICT BUILDING PROJECT

24 MAIN ST.
WEST NEWBURY, MA 01885

PROJECT NUMBER: 17-0762

SEAL AND SIGNATURE: _____



Date: 12/19/19

REVISIONS:

[illegible]

ISSUE TITLE AND DATE:

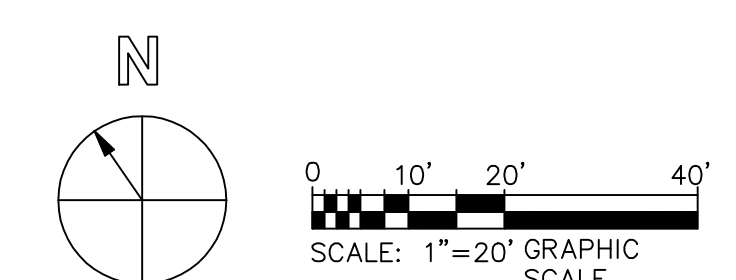
Survey issued 2/4/20
Original survey issued 12/19/19

COPYRIGHT © 2019 by Core & Whittier Architects, Inc. (D+H). These documents are D+H's instruments of service and as such, D+H retains all copyrights, common law, and statutory rights. Use of these documents without D+H's express written permission will result in copyright infringement.

KEY PLAN

SHT. 2

ORIENTATION AND SCALE:



PROJECT NORTH

SCALE

SHEET TITLE:
EXISTING
CONDITIONS
PLAN

SHEET NUMBER: _____

EX0.02



dw
DORE + WHITTIER
DORE + WHITTIER ARCHITECTS, INC.
MASSACHUSETTS
280 MERRIMAC ST. BUILDING 7, 2ND FLOOR
NEWBURYPORT, MA 01950
P: 978-499-2999
VERMONT
212 BATTERY STREET
BURLINGTON, VT 05401
P: 802-863-1426

**PENTUCKET REGIONAL
SCHOOL DISTRICT
BUILDING PROJECT**
24 MAIN ST.
WEST NEWBURY, MA 01985

PROJECT NUMBER: **17-0762**

SEAL AND SIGNATURE:

Date: 12/19/19

REVISIONS:

NO.	DATE	TITLE

ISSUE TITLE AND DATE:
Survey issued 2/4/20
Original survey issued 12/19/19

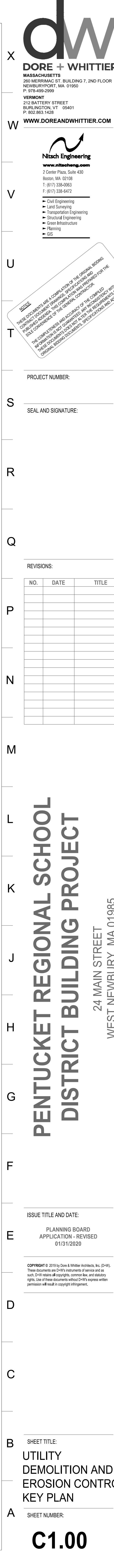
KEY PLAN

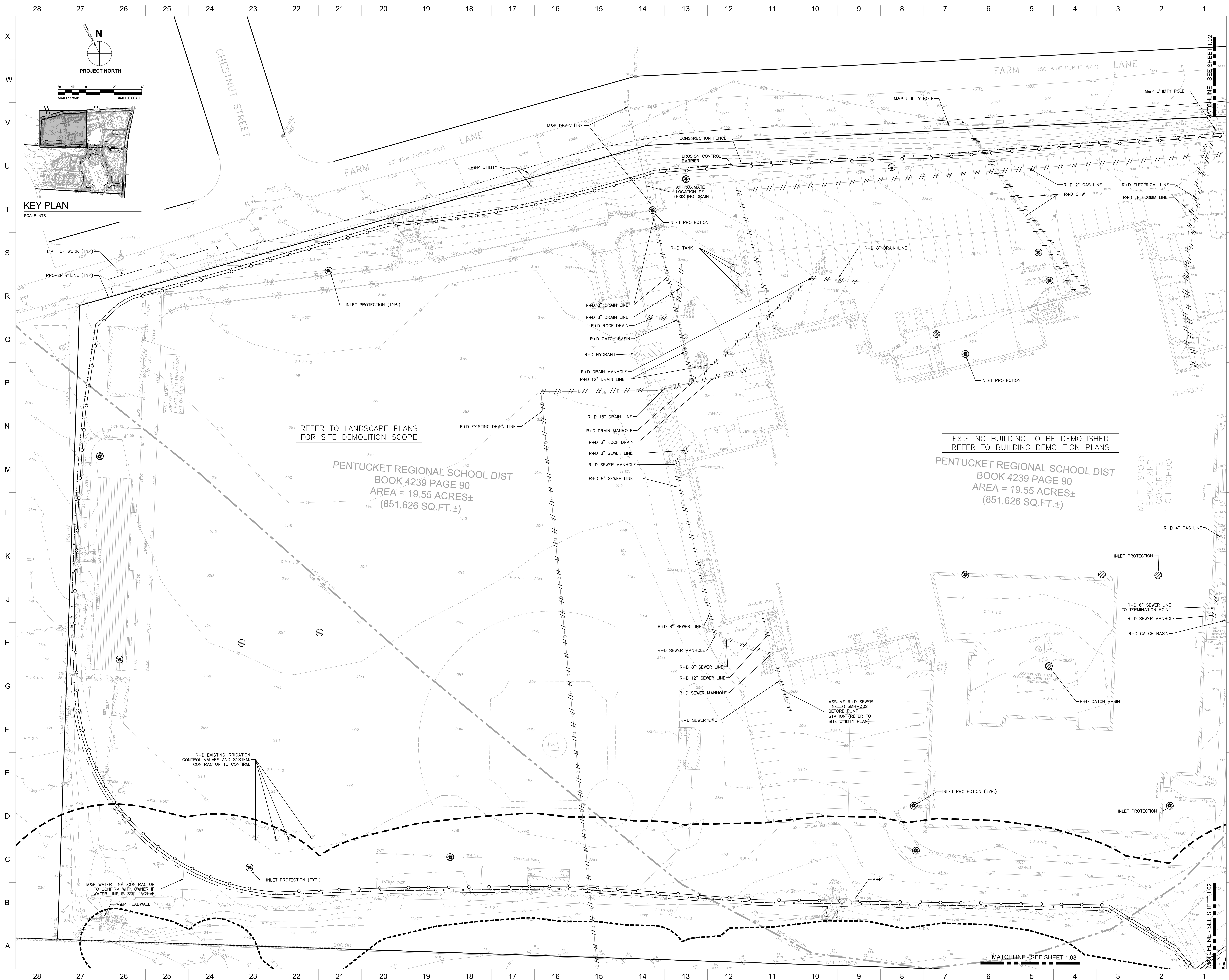
ORIENTATION AND SCALE:

SCALE: 1"=20' GRAPHIC SCALE

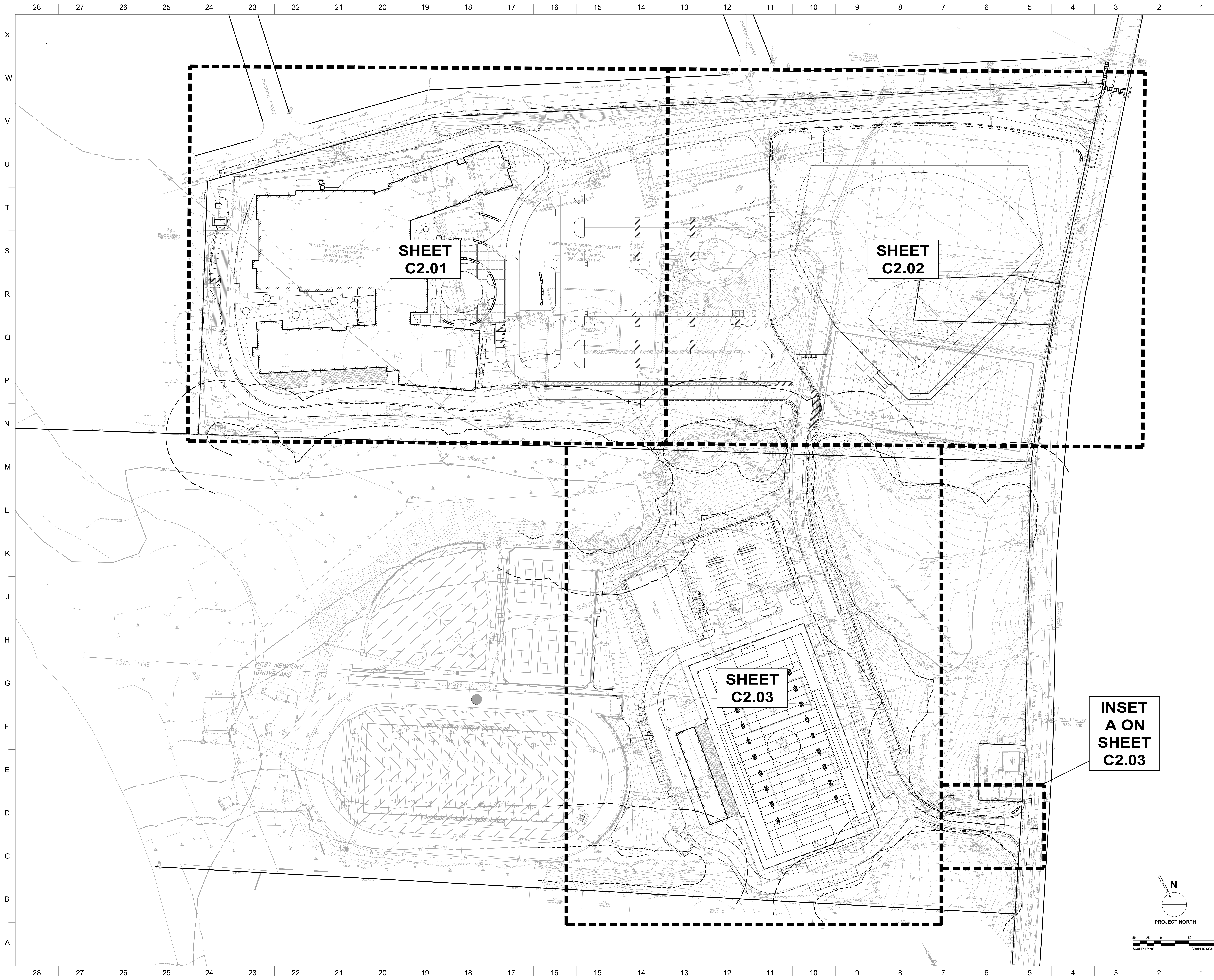
PROJECT NORTH
SHEET TITLE:
**EXISTING
CONDITIONS
PLAN**

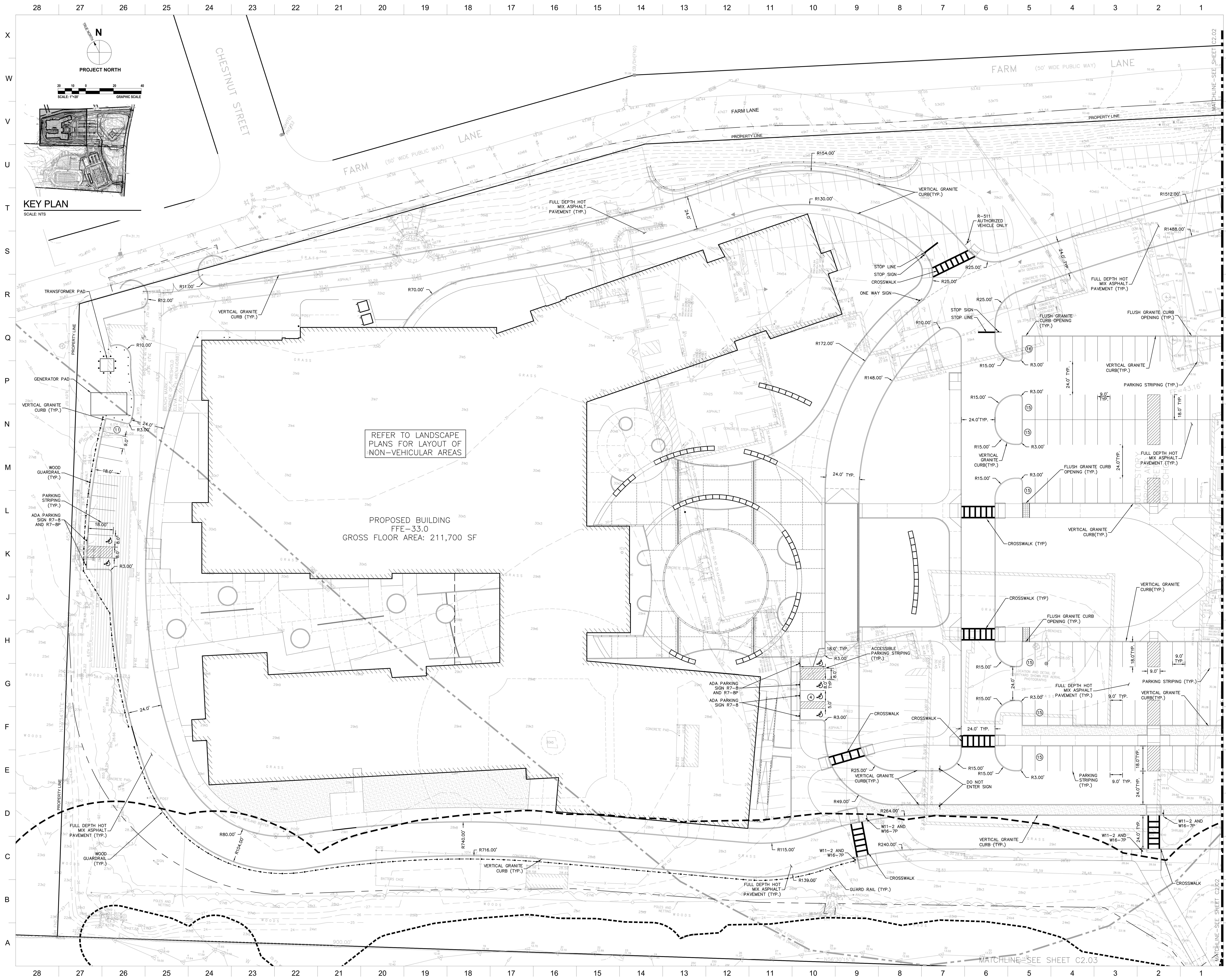
SHEET NUMBER:
EX0.03

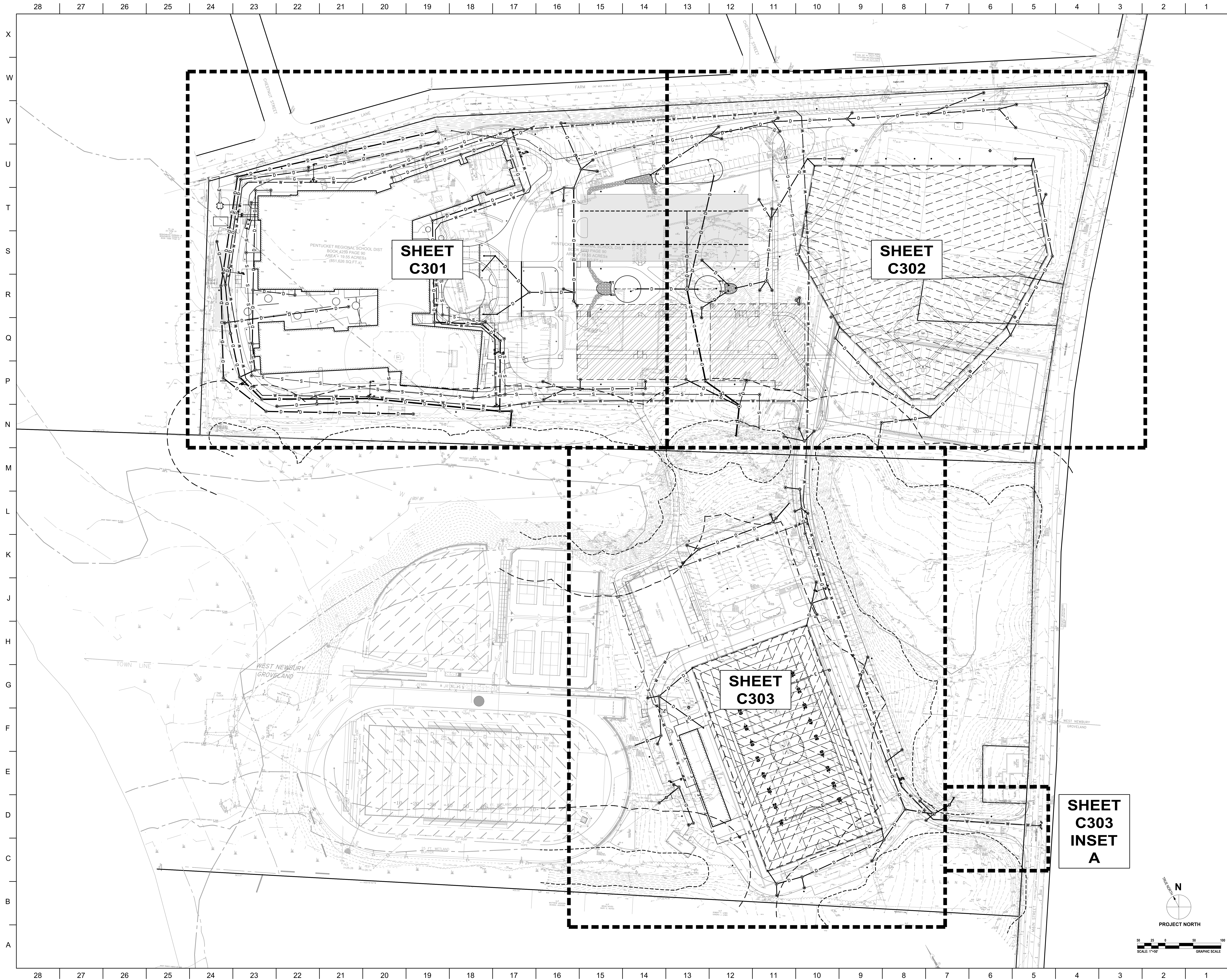












U
T

NOTES

THESE DOCUMENTS ARE A CONTRIBUTION OF THE OFFICE, BEYOND THE SCOPE OF THE CONTRACT, AND ARE NOT TO BE USED FOR THE PURPOSES OF THE CONTRACT. THE CONTRIBUTOR ASSUMES ALL LIABILITY FOR THE CONTENTS OF THE DOCUMENTS. THE CONTRIBUTOR ASSUMES ALL LIABILITY FOR THE CONTENTS OF THE DOCUMENTS. THE CONTRIBUTOR ASSUMES ALL LIABILITY FOR THE CONTENTS OF THE DOCUMENTS.

PROJECT NUMBER: _____

S _____

SEAL AND SIGNATURE:

[illegible]

M

—

LOT

CHO
JEC

K
SC
ROJ

01985

ION
ING
TREET
Y MAC

EG
ILD
AIN ST
WRI IRN

TR
BU
24 M
ST NEV

KECT

UC TRI

G

PEL

F

0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00

ISSUE TITLE AND DATE:

E PLANNING BOARD
APPLICATION - REVISED
01/31/2020

COPYRIGHT © 2013 by Dow & Whittier Architects, Inc. (D&W). These documents are D&W's instruments of service and as such, D&W retains all copyrights, common law, and statutory

D

100

c

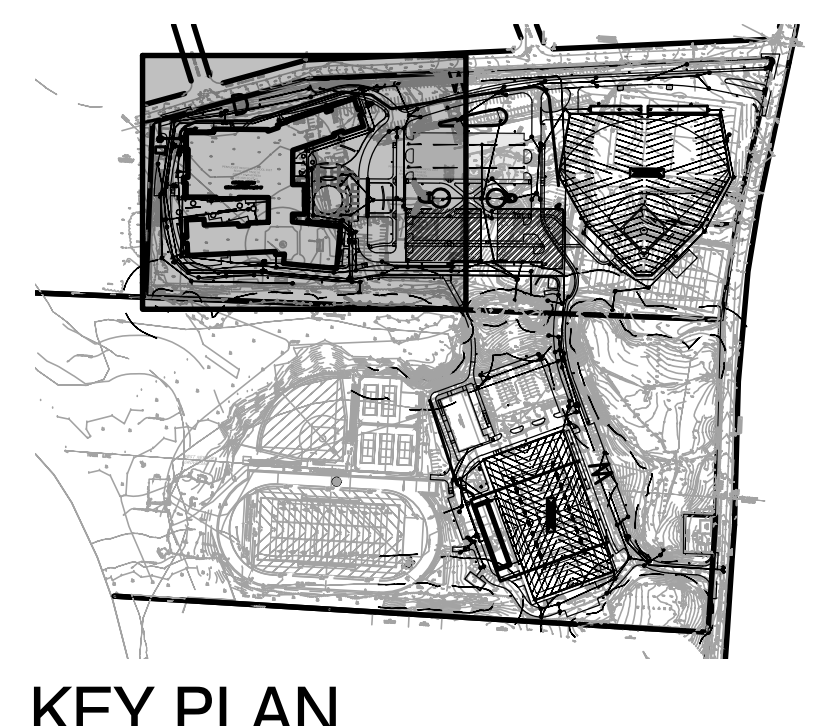
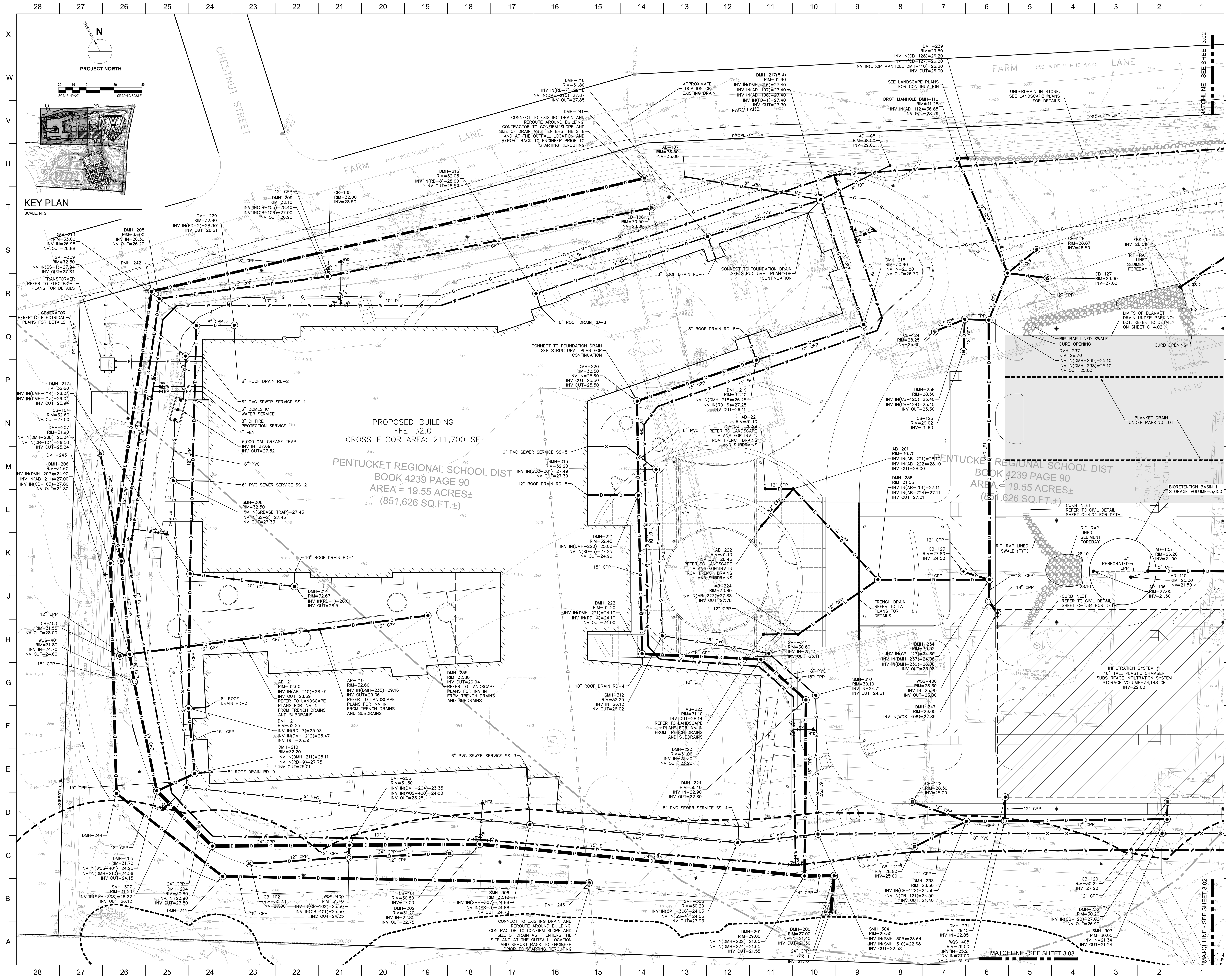
C

B SHEET TITLE:
Site Utility
Key Plan

Key Plan

A SHEET NUMBER:

C3.00

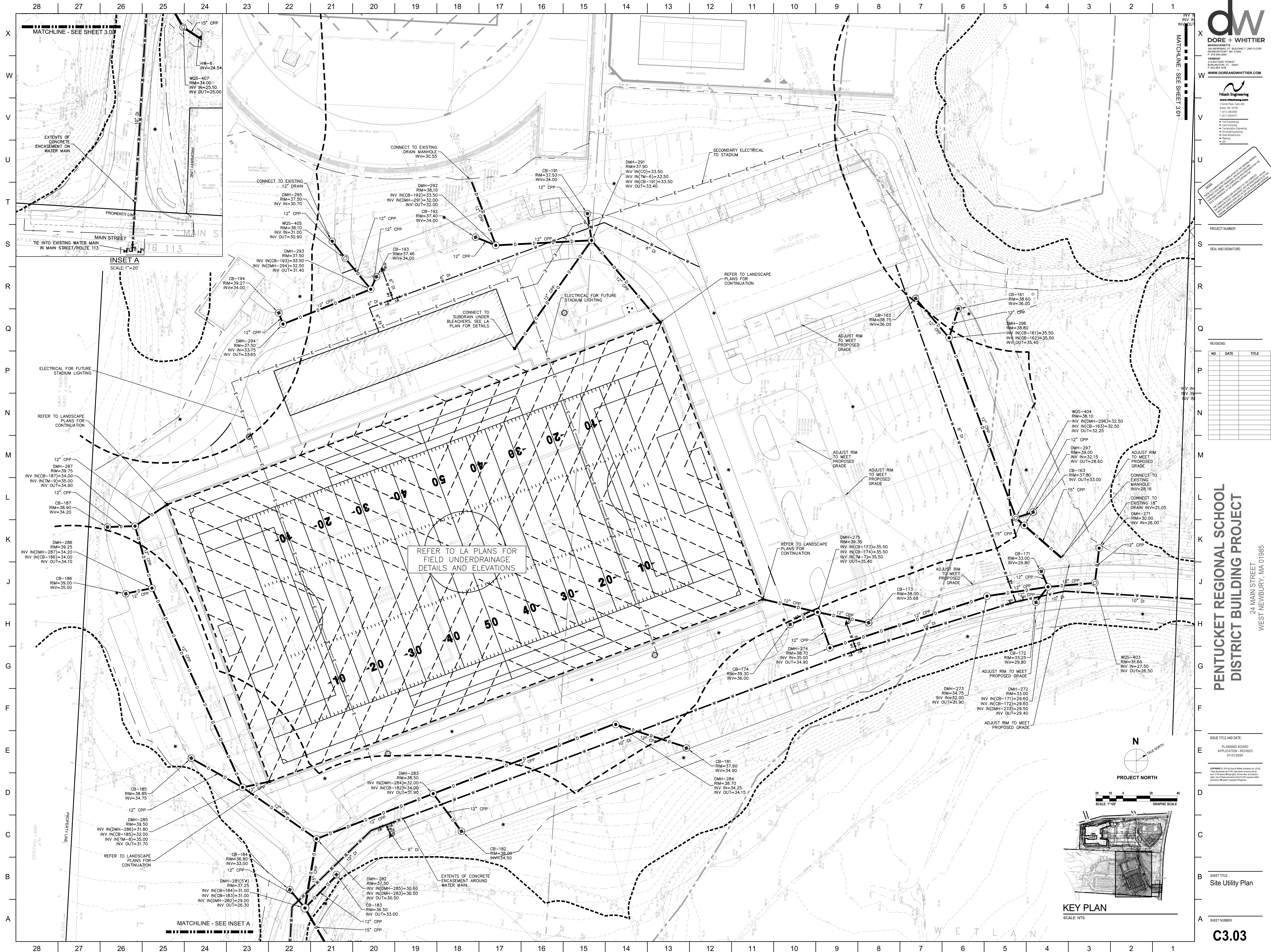


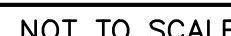
KEY PLAN

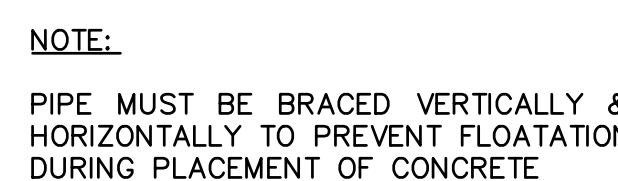
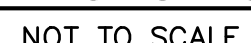
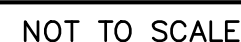
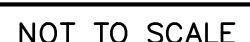
SCALE: NTS

PROPOSED BUILDING
FFE=32.0
GROSS FLOOR AREA: 211,700 SF

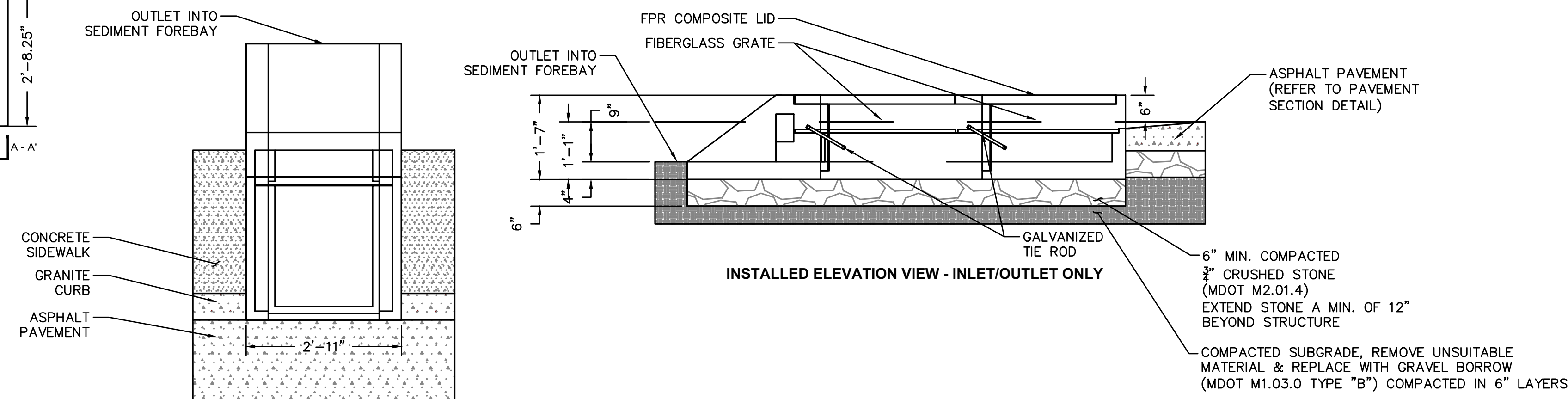
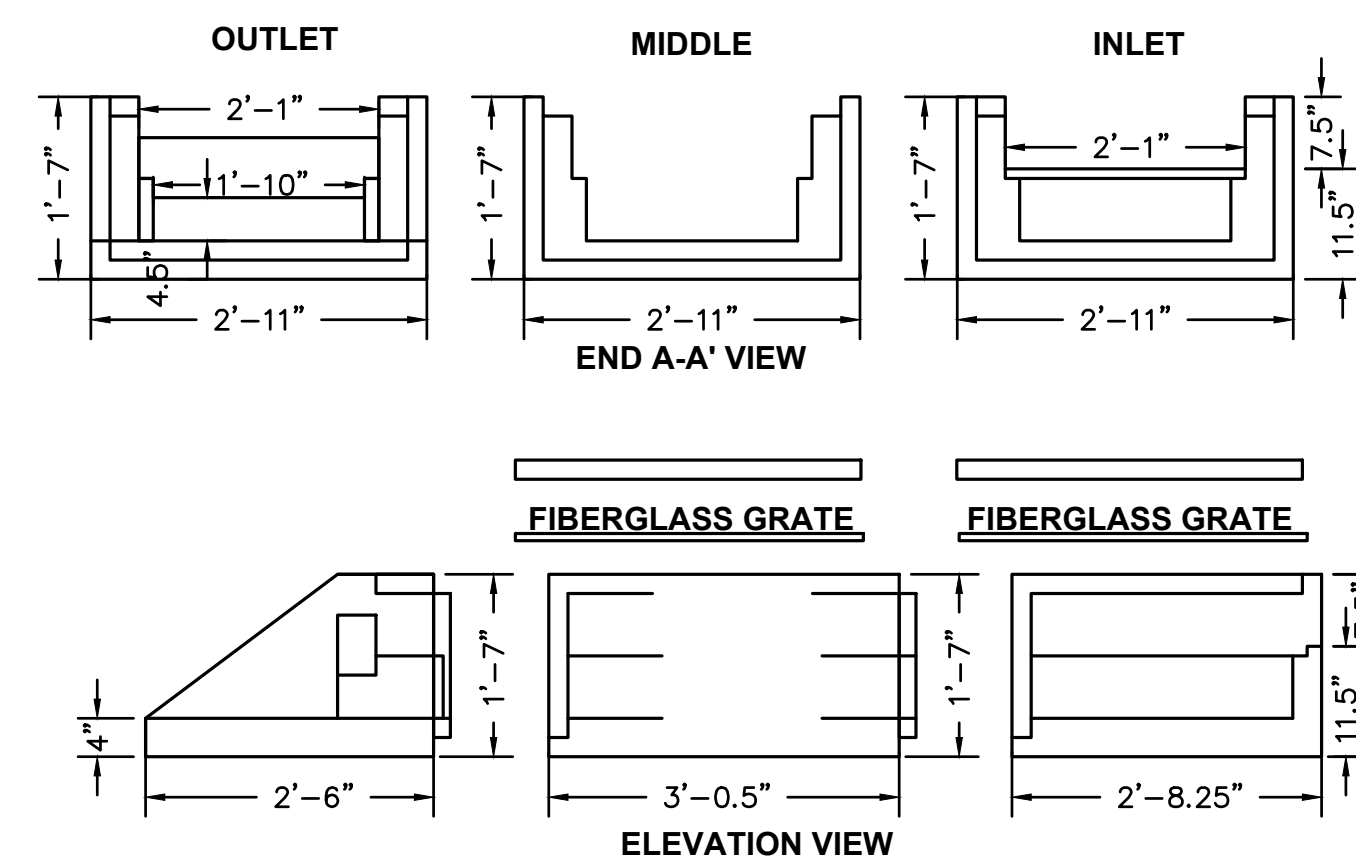
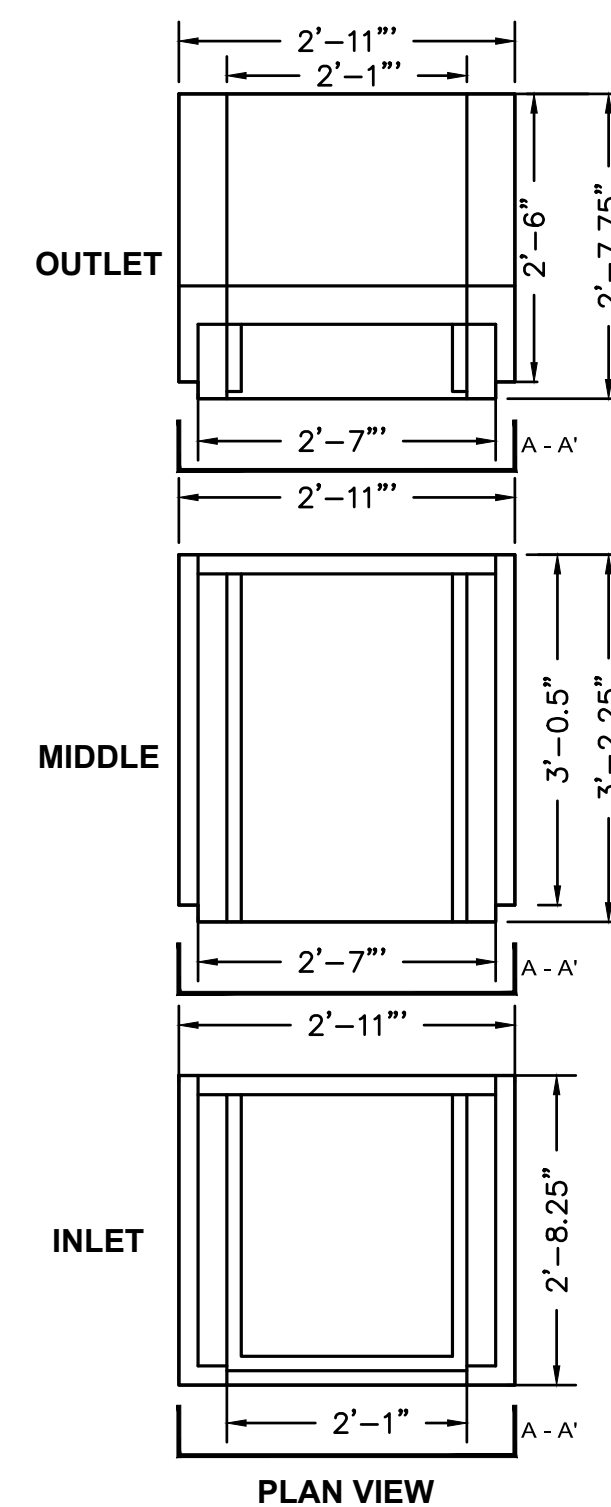
PENTUCKET REGIONAL SCHOOL DIST
BOOK 4239 PAGE 90
AREA = 19.55 ACRES±
(851,626 SQ.FT.±)



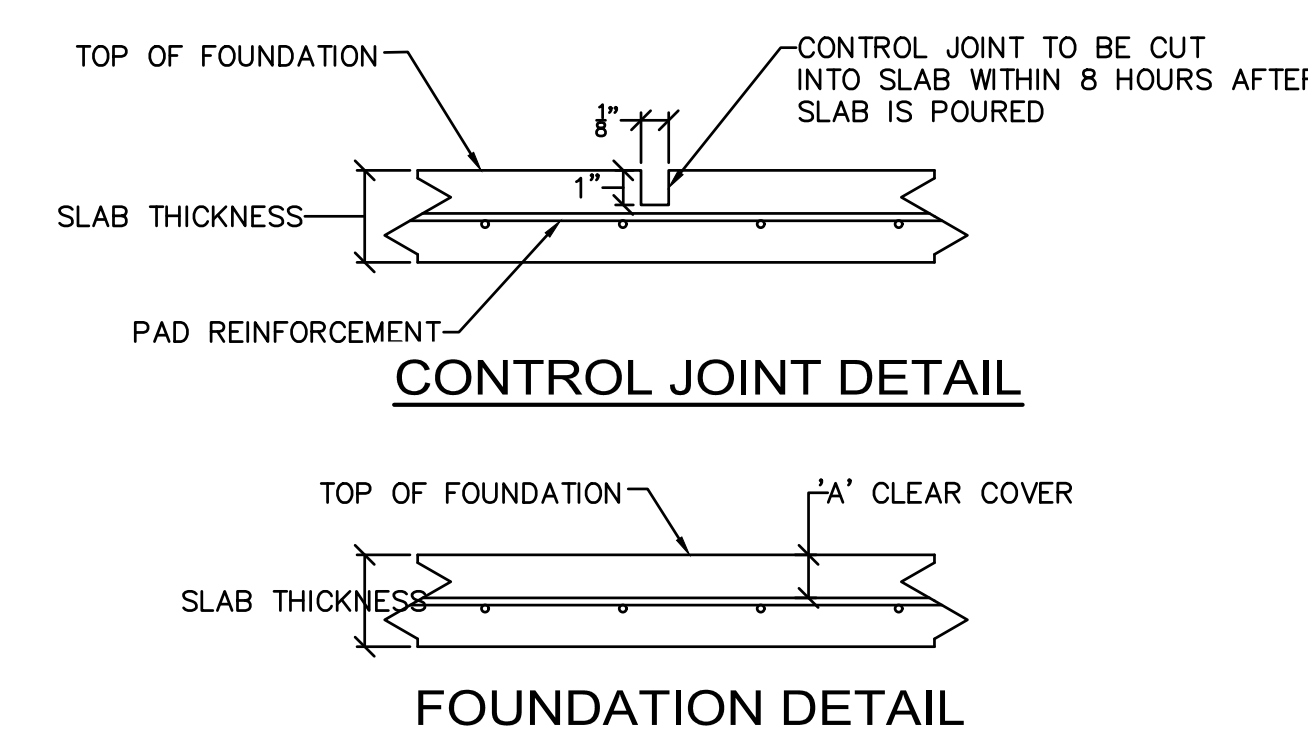
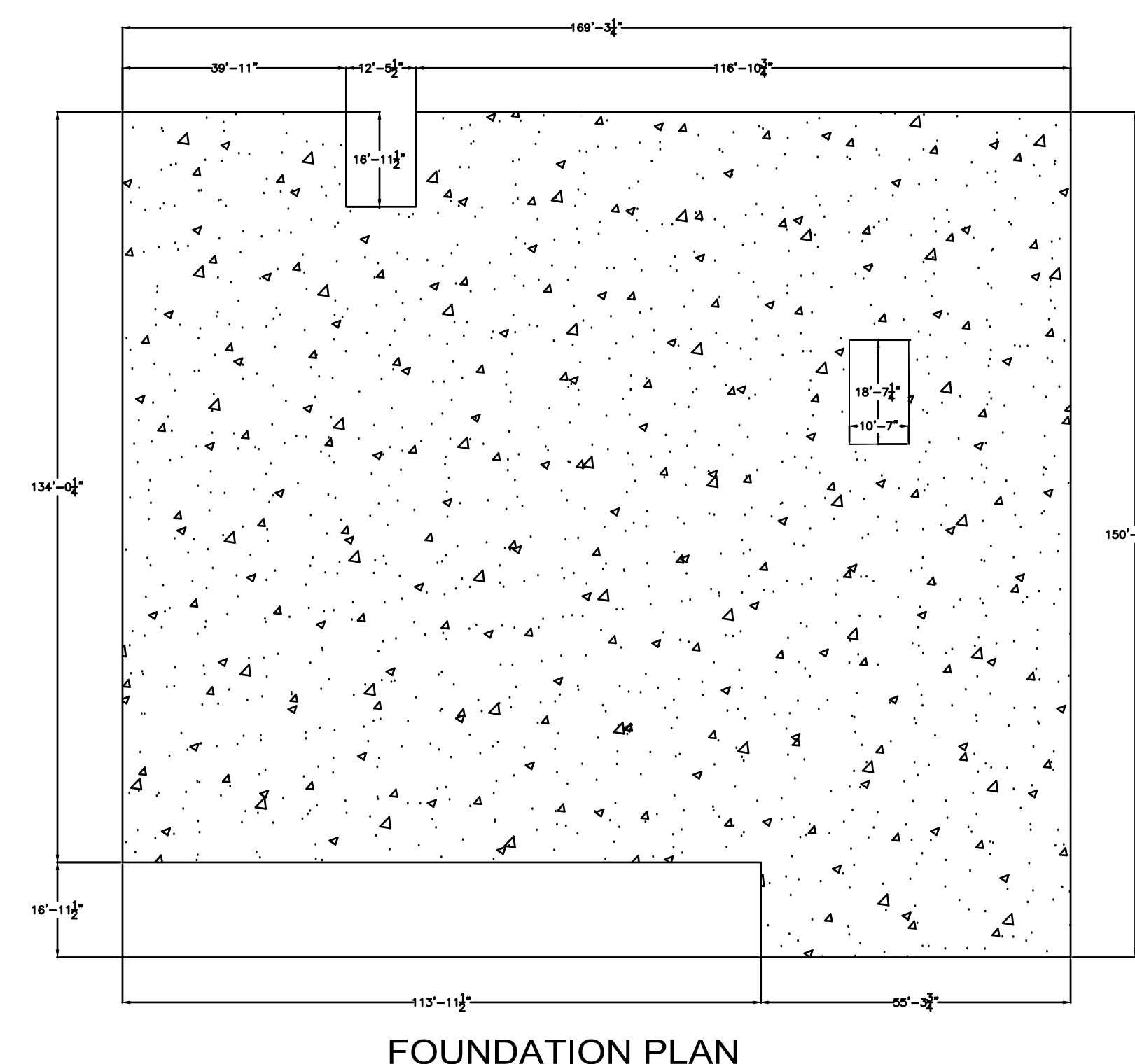
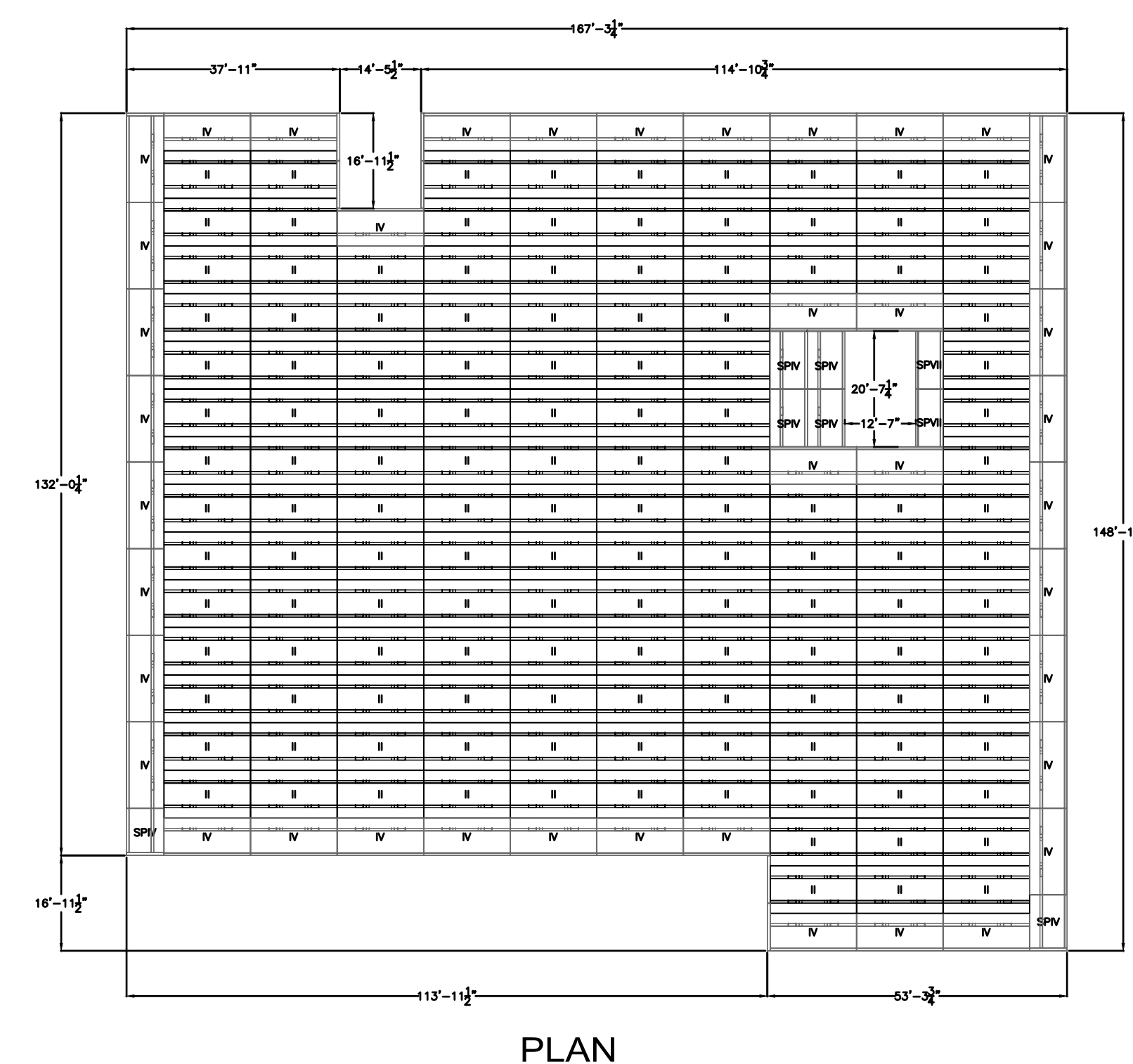
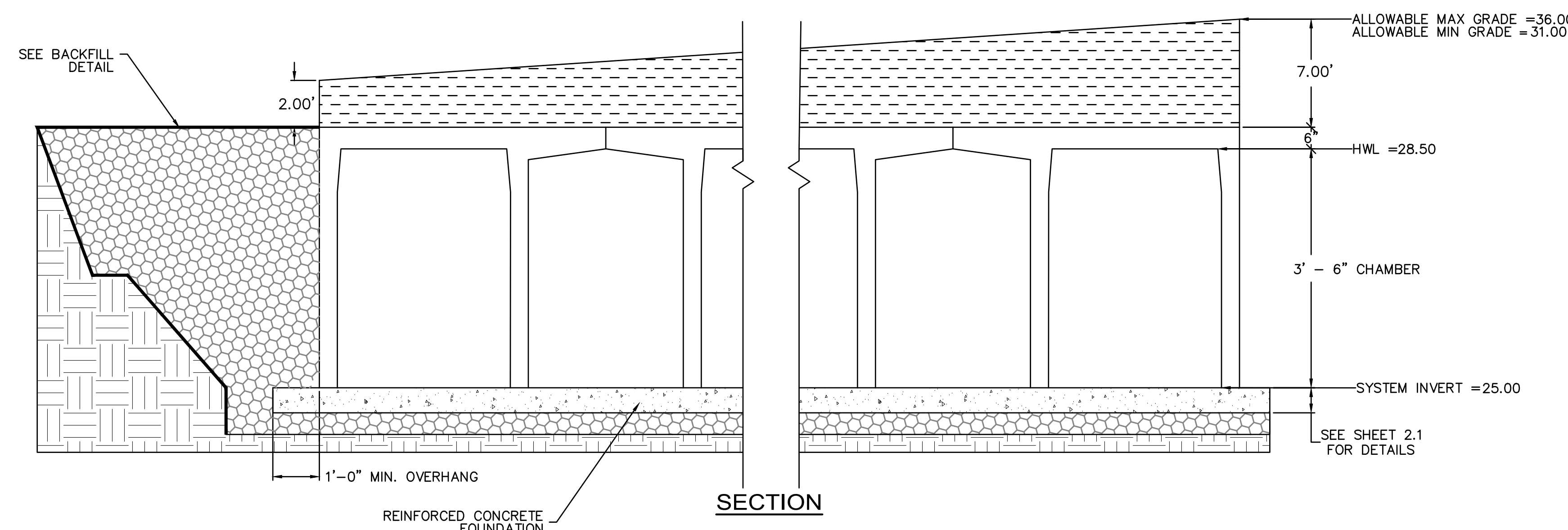




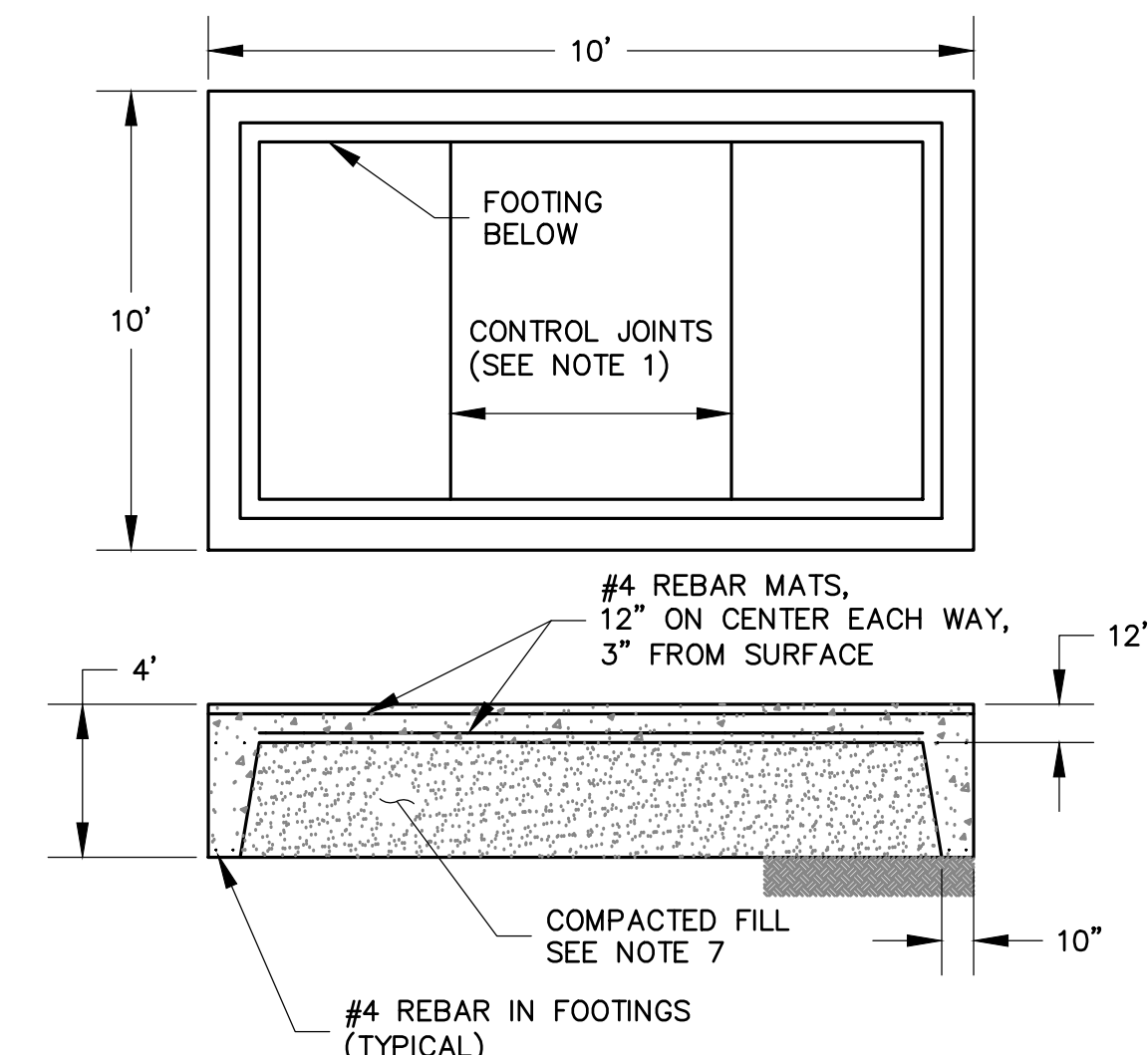
NOT TO SCALE



CURB INLET DETAIL - WITH GRATE (SEDIMENT FOREBAY, DISCHARGING TO STORMWATER SWALE)



- NOTES:
1. STRUCTURE FOR INLET TO SEDIMENT FOREBAY AND STORMWATER SWALE TO BE RAIN GUARDIAN FORMHOLE OR APPROVED EQUAL.
 2. STEEL REINFORCE, COLD JOINT CEMENT MONOLITHIC CONCRETE STRUCTURES (INLET 875 LBS, MIDLE 965 LBS, AND OUTLET 730 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINED (4% TO 8% BY WEIGHT). MIXTURED AND PLACED WITH 1/2" ASTER.
 3. 2-POINT PICK USING RECESSED FILING POCKETS WITH A STANDARD HOOK.
 4. FIBERGLASS GRATE (11 LBS/PIECE).
 5. INSTALLATION SHALL BE PERMANENT AND WITH CONCENTRATED LOAD CAPACITY OF 11,200 LBS.
 6. INSTALLATION TO BE PER MANUFACTURER RECOMMENDATIONS.



- NOTES:**
1. CONTROL JOINTS: 8' O.C. CUT 24 HRS. AFTER FINISH - 1.5"
 2. 4000 PSI CONCRETE @ 28 DAYS.
 3. 12" CONCRETE TRANSFORMER PAD ON COMPACTED FILL, MINIMUM 4" THICK FOUR.
 4. SEE GENERATOR SUBMITTALS FOR CONDUIT STUB UP DETAILS.
 5. PAD SHALL BE INSTALLED FLUSH GROUND SURFACE.
 6. FOOTING TO BE SET ON UNDISTURBED SOIL.
 7. COMPACTED TO BE PLACED & COMPACTED IN 6" LIFTS, COMPACTED TO 95% COMPACTION.

CONCRETE TRANSFORMER PAD DETAIL
NOT TO SCALE

[illegible]

PENTUCKET REGIONAL SCHOOL
DISTRICT BUILDING PROJECT

24 MAIN STREET
WEST NEWBURY, MA 01985

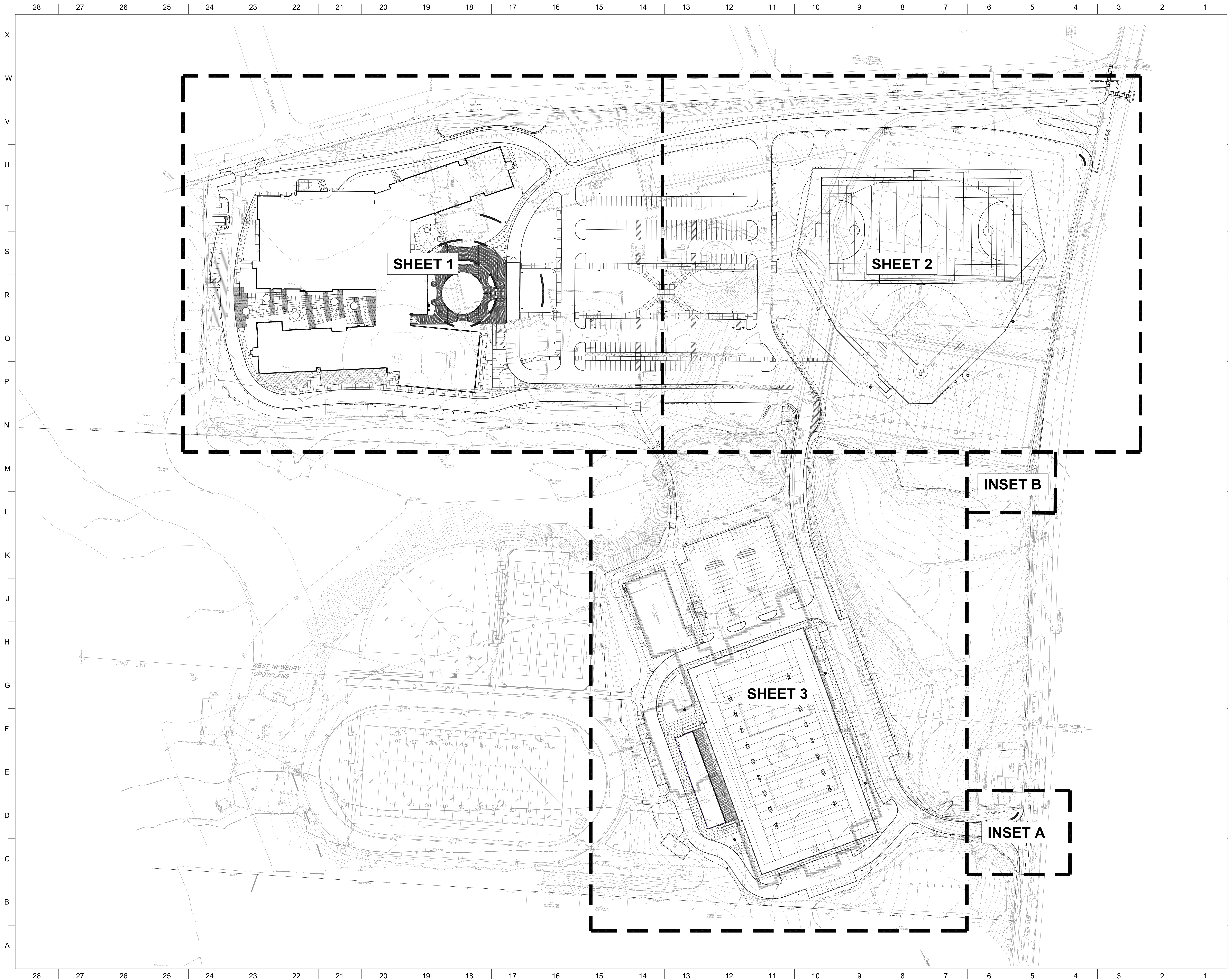
ISSUE TITLE AND DATE:
PLANNING BOARD
APPLICATION - REVISED
01/31/2020

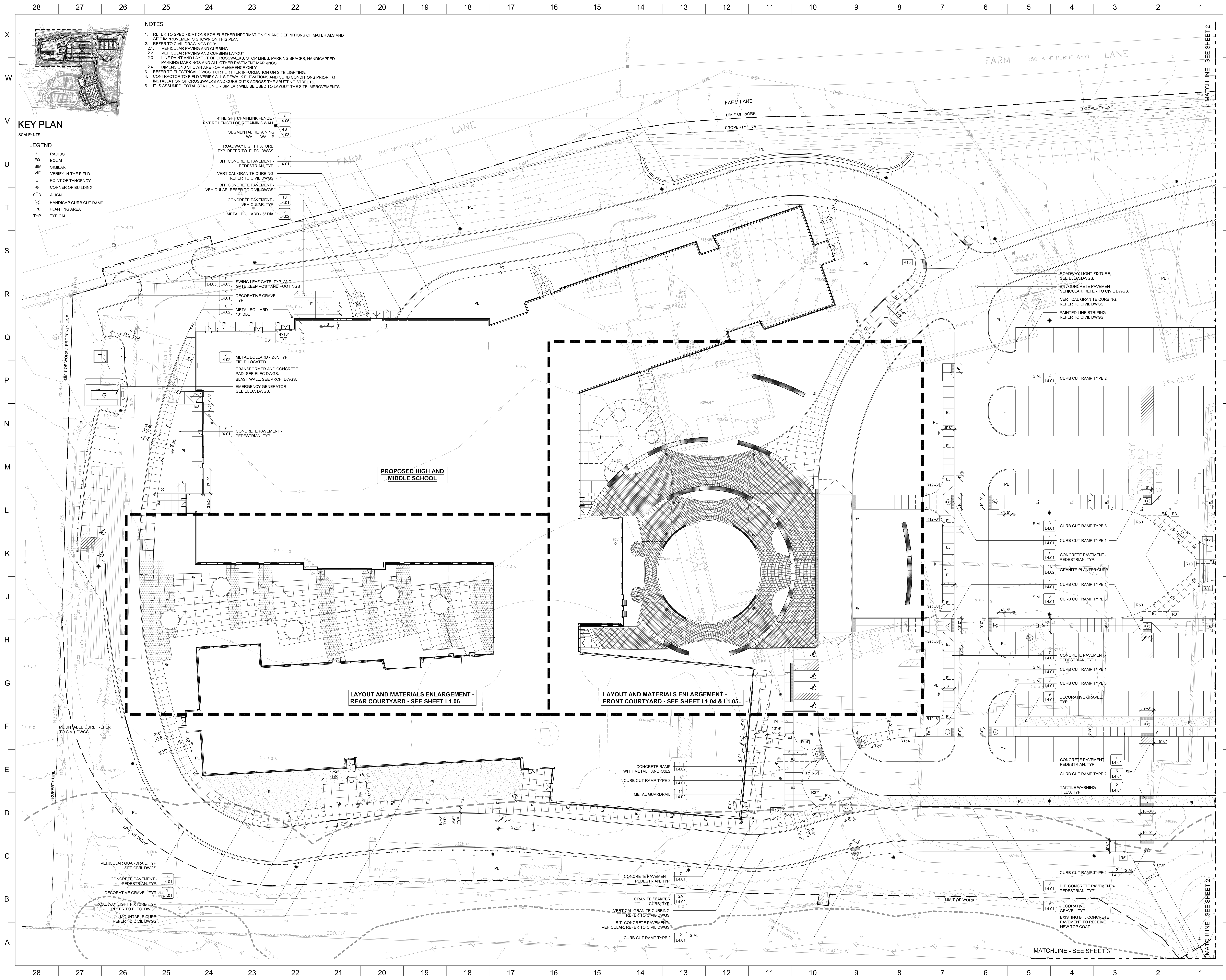
COPYRIGHT © 2019 by David S. Whittier Architects. These documents are D-SWA's instruments of service such that D-SWA retains all copyrights, common law, and rights. Use of these documents without D-SWA's express permission will result in copyright infringement.

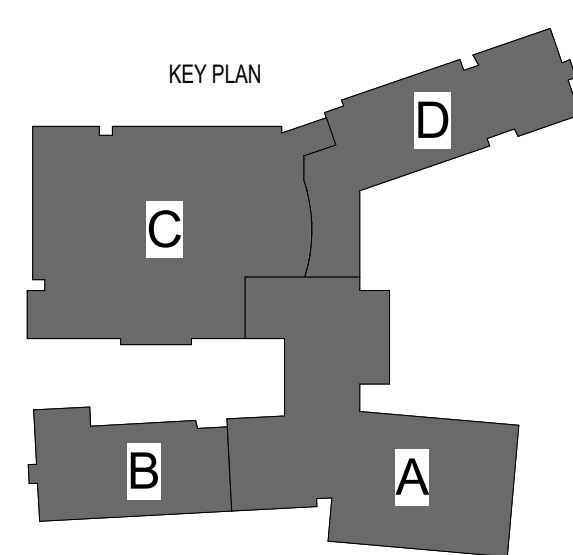
SHEET TITLE:
SITE UTILITY
DETAILS

SHEET NUMBER

C4.04





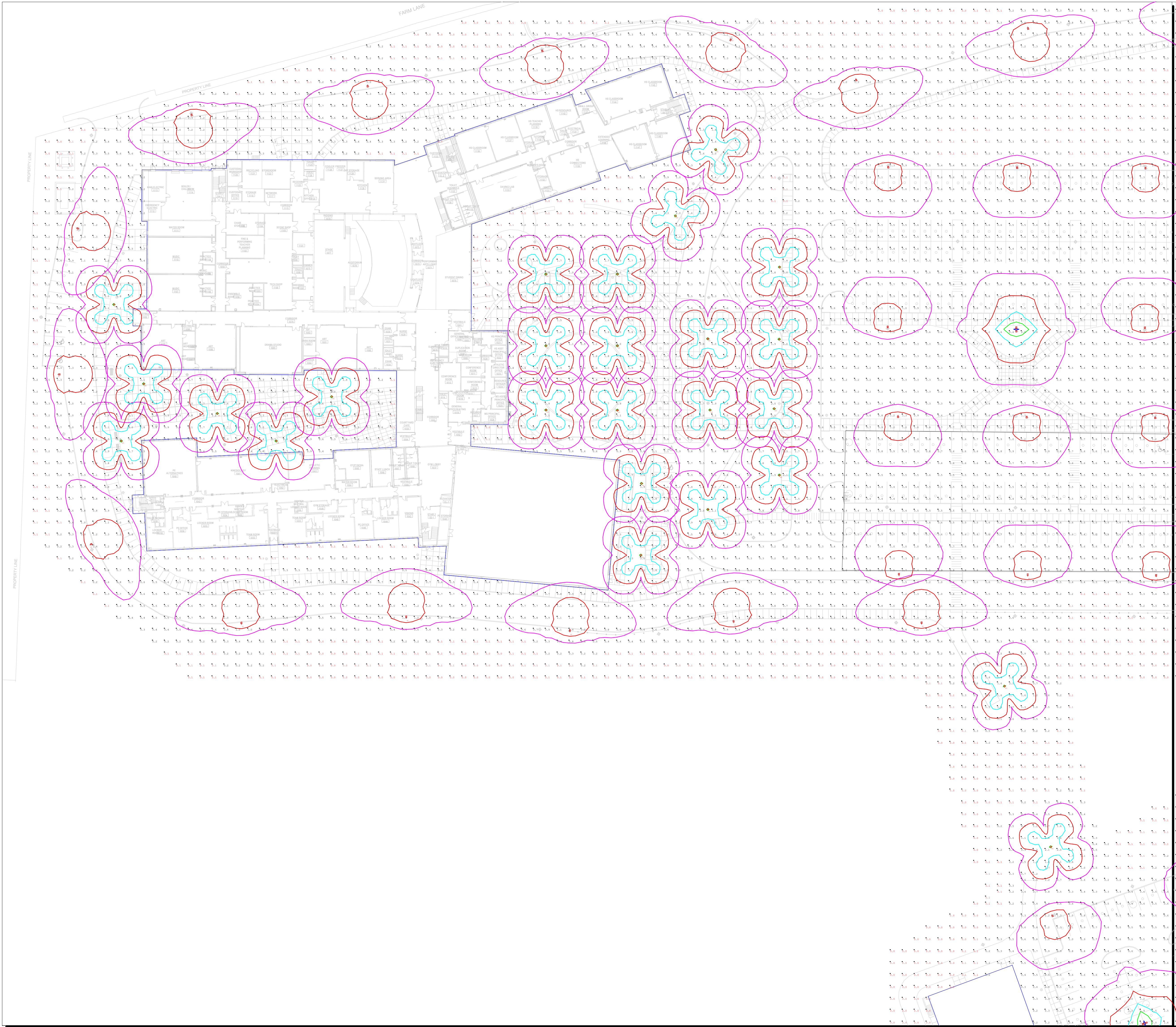


Luminaire Schedule								
Symbol	Qty	Label	Total Lamp Lumens	LLF	Description	Lum. Watts	Total Watts	Lum. Eff.(%)
○	26	G01 - US Architectural Viper	N/A	0.910	VPRP-VLED-VSQ-64LED-350mA-NW	69.4	1804.4	N/A
□	27	S1 - DSX1 LED P7 40K T4M MVOL	N/A	0.300	DSX1 LED P7 40K T4M MVOLT	183	4841	N/A
□	28	S2 - DSX1 LED P7 40K T2M MVOL	N/A	0.300	DSX1 LED P7 40K T2M MVOLT	183	5124	N/A
□	2	S3 - DSX1 LED P7 40K T4M MVOL	N/A	0.300	DSX1 LED P7 40K T4M MVOLT	183	722	N/A

PHOTOMETRIC GENERAL NOTES:

1. VANDERWEIL ENGINEERS, LLP LIGHTING CALCULATION ESTIMATES ARE PROVIDED TO ASSIST THE DESIGN TEAM IN MAKING LIGHTING DECISIONS BASED ON VARIOUS ASSUMPTIONS AND FACTORS. EFFORTS HAVE BEEN MADE TO ENSURE ACCURATE ASSUMPTIONS IN DEVELOPING THE LIGHTING MODEL.
2. LIGHTING CALCULATION BASED ON CEILING HEIGHT PROVIDED BY ARCHITECT.
3. LIGHTING CALCULATION BASED ON 80/50/20 REFLECTANCE.
4. LIGHTING CALCULATION BASED ON WORKING HEIGHT OF 30' ON GROUND.
5. LIGHTING CALCULATION BASED ON LIGHT LOSS FACTOR OF 0.8.

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
Main Courtyard	Illuminance	Fc	0.00	0.0	0.0	N.A.



Scale: 1 inch= 6 Ft.

PLANNING BOARD
APPLICATION - REVISED
01/24/2020

VANDERWEIL
R.G. Vanderweil Engineers, LLP
274 Summer Street
Boston, MA 02210
617.423.7423 TEL
617.423.7401 FAX
vanderweil.com

Scale: As Noted

Project

Site Lighting
Sheet 1
Revised

Drawing Number:

LT-101