THERMO FISHER SCIENTIFIC, INC.

SITE PLAN MODIFICATION 27 FORGE PARKWAY FRANKLIN, MASSACHUSETTS

REQUEST FOR DETERMINATION

REQUEST FOR DETERMINATION FOR PARKING FROM SECTION 185-21B (3)

REQUEST FOR DETERMINATION FOR PARKING FROM SECTION 185-21C (6)

NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF FRANKLIN STANDARDS.
- 2. THE SITE SHALL CONFORM TO ALL RULES AND REGULATIONS AND APPROVALS FROM THE BOARD OF HEALTH, DESIGN REVIEW COMMISSION, DPW, POLICE, AND FIRE DEPARTMENTS.
- 3. ALL PARKING STRIPING SHALL BE PAINTED WITH WHITE ACRYLIC PAINT
- 4. PROPERTY IS CURRENTLY ZONED INDUSTRIAL.
- 5. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
- 6. ALL EROSION CONTROL MITIGATION MEASURES SHALL BE IN PLACE PRIOR TO MAJOR CONSTRUCTION OR SOIL DISTURBANCE COMMENCING ON SITE.
- 7. IF ANY DEBRIS IS CARRIED ONTO ANY PUBLIC WAY, THE OWNER/APPLICANT AND HIS ASSIGNS SHALL BE RESPONSIBLE FOR ALL CLEANUP ON THE ROADWAY. ALL CLEANUPS SHALL OCCUR WITHIN 24 HOURS AFTER FIRST WRITTEN NOTIFICATION.
- 8. THE BUILDING OFFSETS AS SHOWN ON THIS PLAN ARE NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES OR FOR THE ESTABLISHMENT OF ANY PROPOSED
- CONSTRUCTION UNLESS SAID CONSTRUCTION IS SHOWN HEREON.). THIS PLAN WAS PREPARED FOR THE EXCLUSIVE USE AND PURPOSE OF THE PARTY STATED HEREON AND SHALL NOT BE USED BY ANY THIRD PARTY WITHOUT THE EXPRESSED WRITTEN
- 10. SEE CERTIFICATE OF VOTE DATED OCTOBER 27, 2008 BY THE FRANKLIN BOARD TO APPROVE WITH CONDITIONS A LIMITED SITE PLAN MODIFICATION FOR PARKING DETERMINATION.
- 11. SEE ABBREVIATED NOTICE OF RESOURCE AREA DELINEATION DATED JANUARY 27, 2009 PREPARED BY BEALS ASSOCIATES, INC. 98 NORTH WASHINGTON ST., BOSTON, MA.
- 12. SEE ORDER OF RESOURCE AREA DELINEATION NO. CE 159-980.
- 13. WETLANDS WERE FLAGGED BY GODDARD CONSULTING IN AUGUST 2018 AND LOCATIONS REVISED IN FEBRUARY 2019. BY GUERRIERE AND HALNON, INC.
- 14. SEE CERTIFICATE OF VOTE GRANTED BY THE FRANKLIN PLANNING BOARD DATED, JULY 14, 2009.
- 15. THIS SITE IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE, SEE FIRM NUMBER 25021C0304E EFFECTIVE DATE JULY 17, 2012.
- 16. THIS SITE IS NOT LOCATED WITHIN A WATER RESOURCE DISTRICT.
- 17. THIS SITE IS NOT LOCATED WITHIN THE NATURAL HERITAGE ENDANGERED PROTECTION ZONE.



SHT. NO.	DESCRIPTION						
T-1	TITLE SHEET, DRAWING INDEX, LOCATION MAP						
C-1	OVERALL SITE PLAN						
C-2	ENLARGED SITE PLANS						
C-3	OVERALL DRAINAGE & GRADING PLANS						
C-4	ENLARED DRAINAGE & GRADING PLAN						
C-5	EROSION & SEDIMENT CONTROL						
C-6	DETAILS						

CONSTRUCTION ON THIS LOT IS SUBJECT TO ANY EASEMENTS. RIGHTS-OF-WAY. RESTRICTIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.

"WARNING" EXISTING UTILITY LINES INDICATED OR NOTED ON THERSE DRAWINGS ARE SHOWN AS OBTAINED FROM EXISTING INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. THE CONTRACTOR SHALL TAKE CAUTION IN THESE AREAS TO AVOID DAMAGE TO EXISTING UTILITY LINES AND / OR HARM TO PERSONNEL ENGATED IN WORKING IN THESE AREAS. CALL "DIG SAFE" -888-DIG-SAFE. (1-888-344-7233). EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK,

ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILTIY LINES.

PROJECT DATA

SITE ADDRESS: 27 FORGE PARKWAY FRANKLIN, MA 02308

P.O. Box 37

27 FORGE PARKWAY LLC 27 FORGE PARKWAY FRANKLIN, MA 02038 A.M. 272 LOTS 13 &14

ZONING: INDUSTRIAL ZONE OWNER(S)/APPLICANT: A.M. 275 LOTS 13 & 21 CERTIFICATE NO. 177794

DATE:	DATE:
APPROVED DATE:	FRANKLIN PLANNING BOARD
SIGNATURE DATE:	BEING A MAJORITY

Rev	Date	Revision	Approved	Df	RAWING CONTRO	OL		
0	06/15/21	ISSUED		Designed by: N/A	Drawn by: Grant Bogue			1
1	7/6/21	PER COMMENTS		Purpose	Released by		Date	
				For Comment				
				For Approval				
				For Bid				
				For Construction				
		0 06/15/21	0 06/15/21 ISSUED	0 06/15/21 ISSUED	0 06/15/21 ISSUED Designed by: N/A 1 7/6/21 PER COMMENTS Purpose	0 06/15/21 ISSUED Designed by: N/A Drawn by: Grant Bogue 1 7/6/21 PER COMMENTS Purpose Released by - For Comment Approval For Approval For Bid - For Brown For Brown For Brown	Designed by: Drawn by: Checked Grant Bogue State S	Designed by: Drawn by: Checked by: JMP

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE. Tectonic Engineering & Surveying Consultants P.C. 70 Pleasant Hill Road Phone: (845) 534-5959

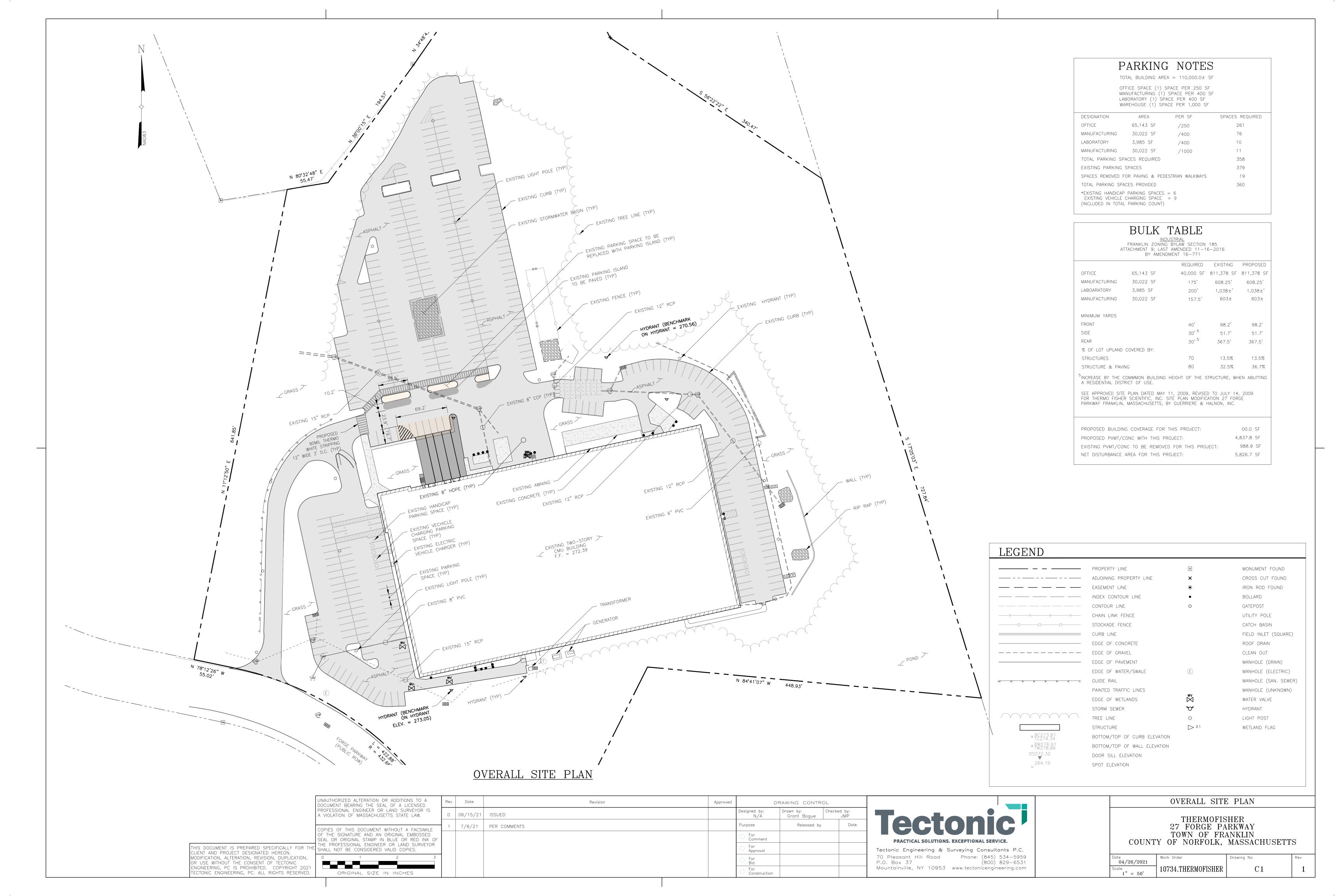
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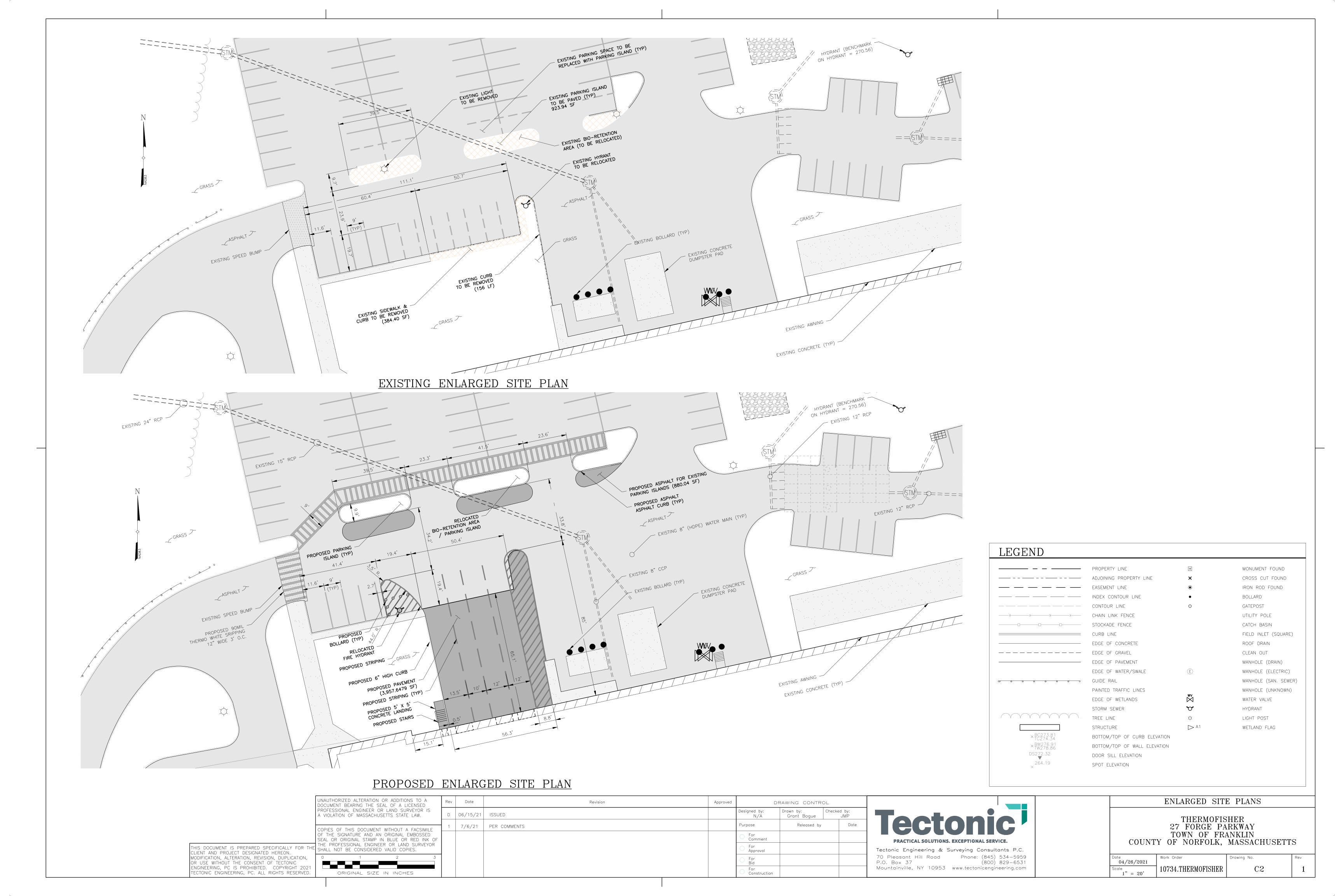
(800) 829-6531

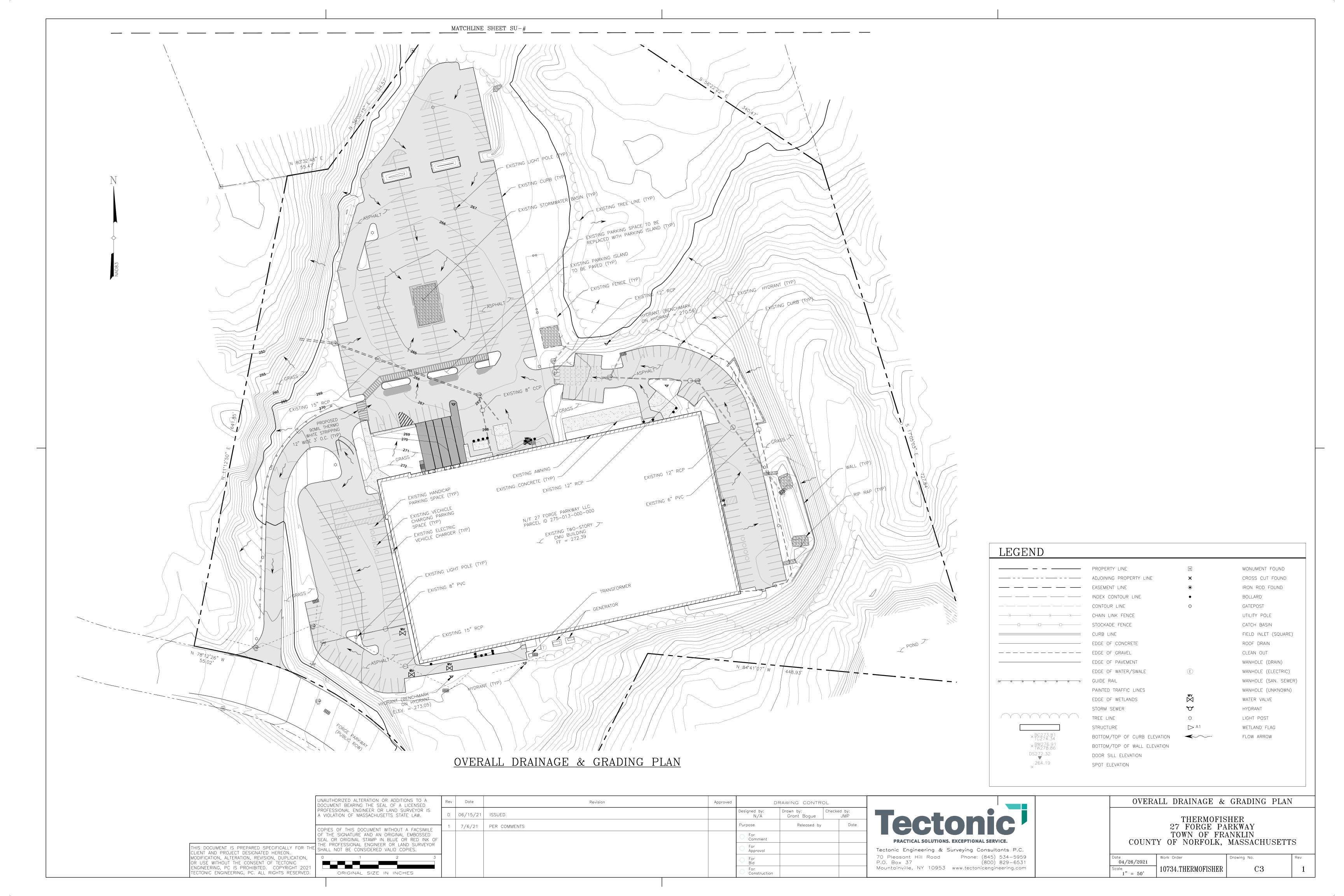
OVERALL SITE PLAN THERMOFISHER 27 FORGE PARKWAY TOWN OF FRANKLIN COUNTY OF NORFOLK, MASSACHUSETTS

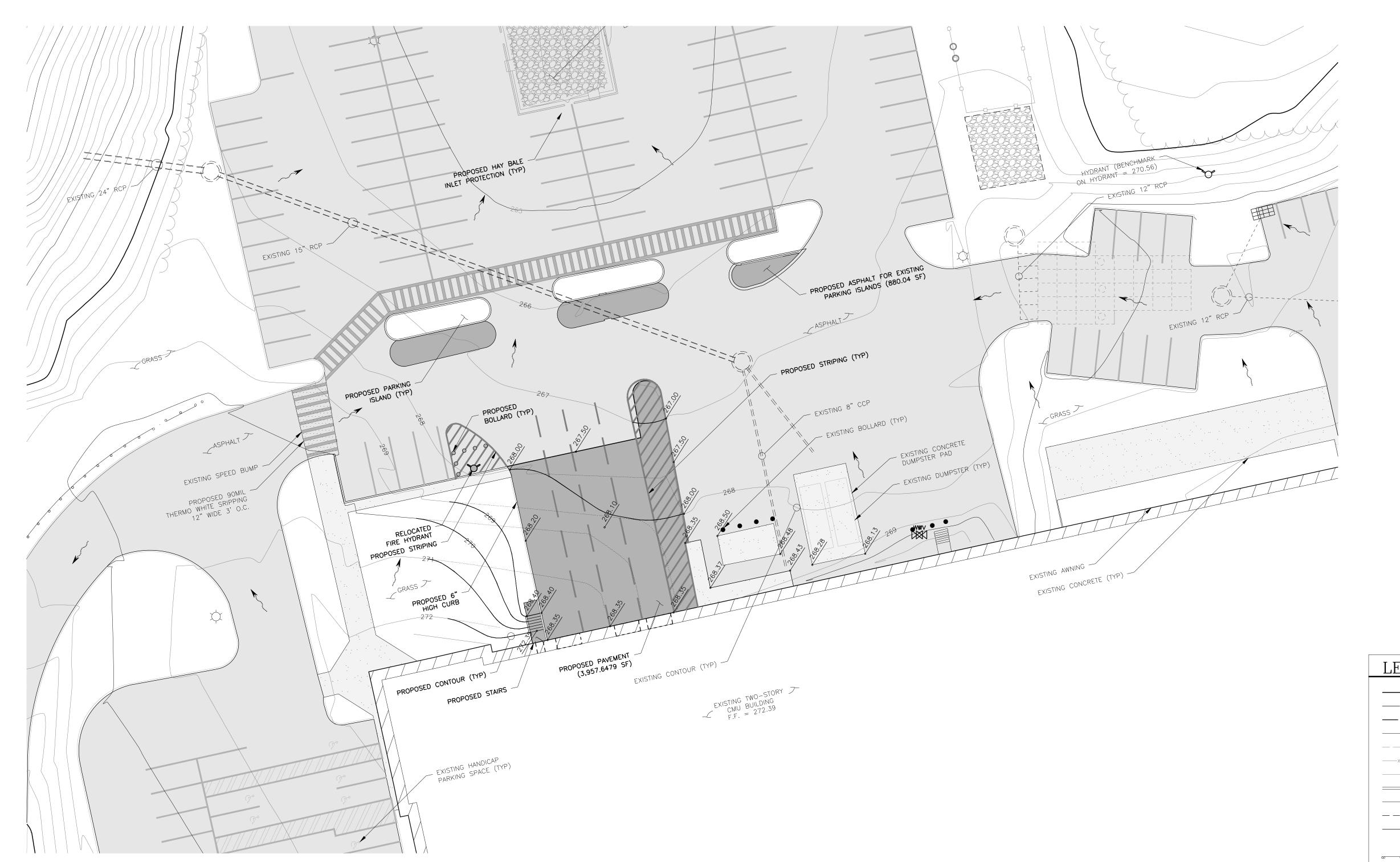
04/26/2021 10734.THERMOFISHER

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PROPOSED ENLARGED DRAINAGE & GRADING PLAN

	ADJOINING PROPERTY LINE EASEMENT LINE INDEX CONTOUR LINE CONTOUR LINE CHAIN LINK FENCE STOCKADE FENCE CURB LINE EDGE OF CONCRETE	× • •	•
	INDEX CONTOUR LINE CONTOUR LINE CHAIN LINK FENCE STOCKADE FENCE CURB LINE EDGE OF CONCRETE	•	BOLLARD GATEPOST UTILITY POLE CATCH BASIN FIELD INLET (SQUARE)
	CONTOUR LINE CHAIN LINK FENCE STOCKADE FENCE CURB LINE EDGE OF CONCRETE	•	GATEPOST UTILITY POLE CATCH BASIN FIELD INLET (SQUARE)
	CHAIN LINK FENCE STOCKADE FENCE CURB LINE EDGE OF CONCRETE	•	UTILITY POLE CATCH BASIN FIELD INLET (SQUARE)
	STOCKADE FENCE CURB LINE EDGE OF CONCRETE		CATCH BASIN FIELD INLET (SQUARE)
	CURB LINE EDGE OF CONCRETE		FIELD INLET (SQUARE)
	EDGE OF CONCRETE		·
	EDAE AE ADAVEL		ROOF DRAIN
	EDGE OF GRAVEL		CLEAN OUT
	EDGE OF PAVEMENT		MANHOLE (DRAIN)
	EDGE OF WATER/SWALE	E	MANHOLE (ELECTRIC)
ω	GUIDE RAIL		MANHOLE (SAN. SEWE
	PAINTED TRAFFIC LINES		MANHOLE (UNKNOWN)
	EDGE OF WETLANDS	₩V	WATER VALVE
:	STORM SEWER	∇	HYDRANT
	TREE LINE	\$	LIGHT POST
	STRUCTURE	→ A1	WETLAND FLAG
× BC273.81 × TC274.34	BOTTOM/TOP OF CURB ELEVATION	-	FLOW ARROW
×BW276.91 TW278.86	BOTTOM/TOP OF WALL ELEVATION		
DS272.32	DOOR SILL ELEVATION		

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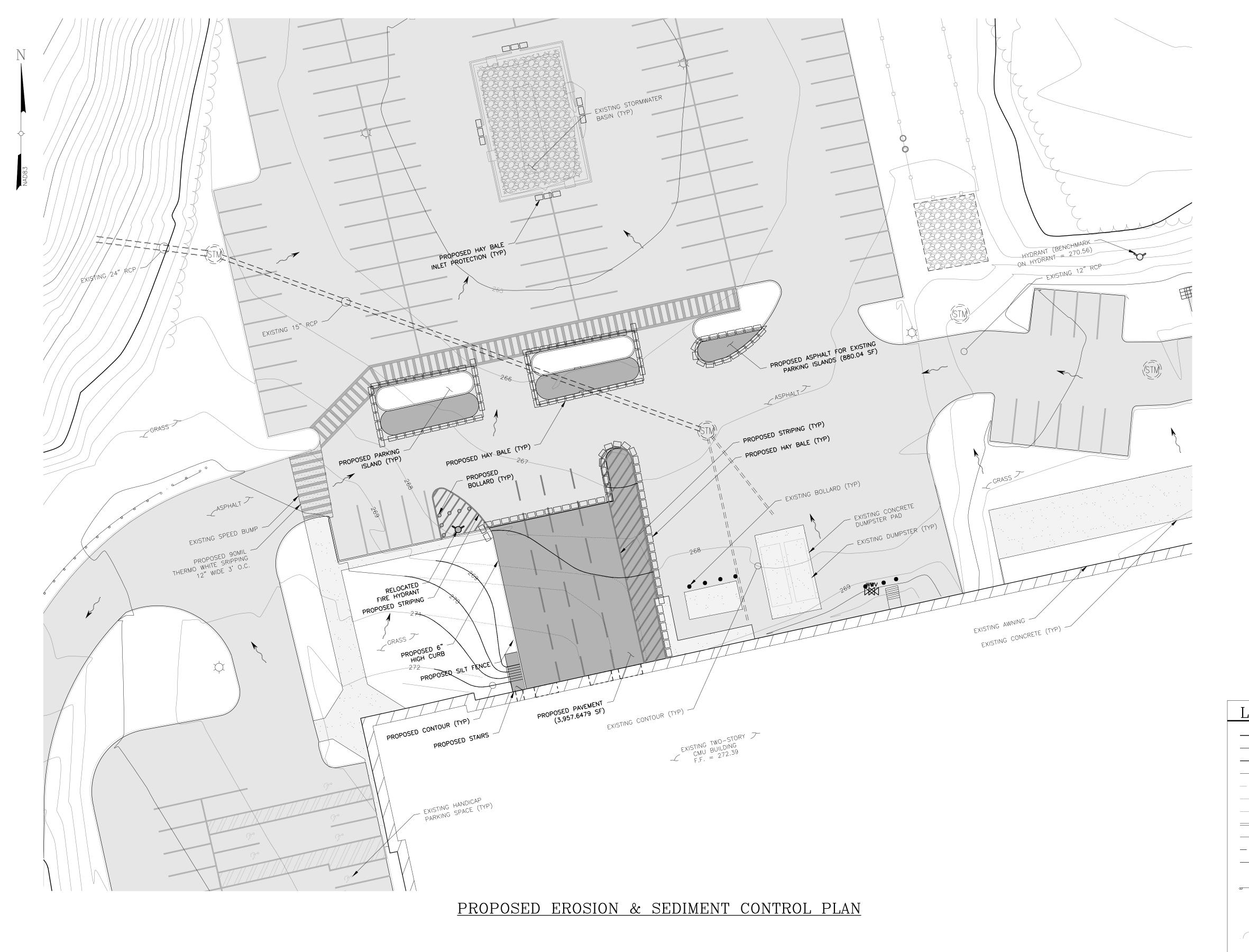
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70 Pleasant Hill Road Phone: (845) 534-5959 P.O. Box 37 (800) 829-6531

Mountainville, NY 10953 www.tectonicengineering.com

THERMOFISHER
27 FORGE PARKWAY
TOWN OF FRANKLIN
COUNTY OF NORFOLK, MASSACHUSETTS



	PROPERTY LINE	+	MONUMENT FOUND
	ADJOINING PROPERTY LINE	×	CROSS CUT FOUND
	EASEMENT LINE	•	IRON ROD FOUND
	INDEX CONTOUR LINE	•	BOLLARD
	CONTOUR LINE	0	GATEPOST
XXXXXX	CHAIN LINK FENCE		UTILITY POLE
	STOCKADE FENCE		CATCH BASIN
	CURB LINE		FIELD INLET (SQUARE)
	EDGE OF CONCRETE		ROOF DRAIN
	EDGE OF GRAVEL		CLEAN OUT
	EDGE OF PAVEMENT		MANHOLE (DRAIN)
	EDGE OF WATER/SWALE	E	MANHOLE (ELECTRIC)
0 0 0 0 0 0.	GUIDE RAIL		MANHOLE (SAN. SEWER
	PAINTED TRAFFIC LINES		MANHOLE (UNKNOWN)
	EDGE OF WETLANDS	₩v	WATER VALVE
	STORM SEWER	\checkmark	HYDRANT
	TREE LINE	\$	LIGHT POST
	STRUCTURE	→ A1	WETLAND FLAG
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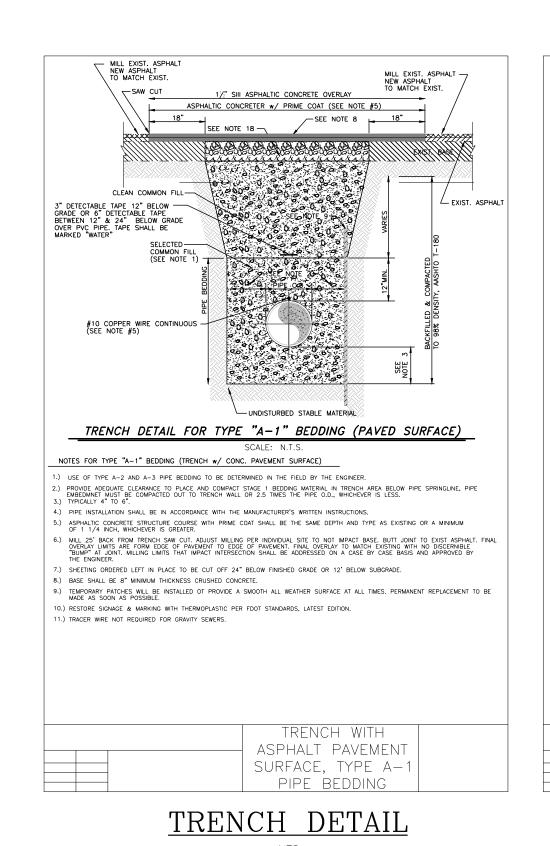
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ORIGINAL SIZE IN INCHES					O For Construction	Mountainville, NY 10953 www.tectonicengineering.com

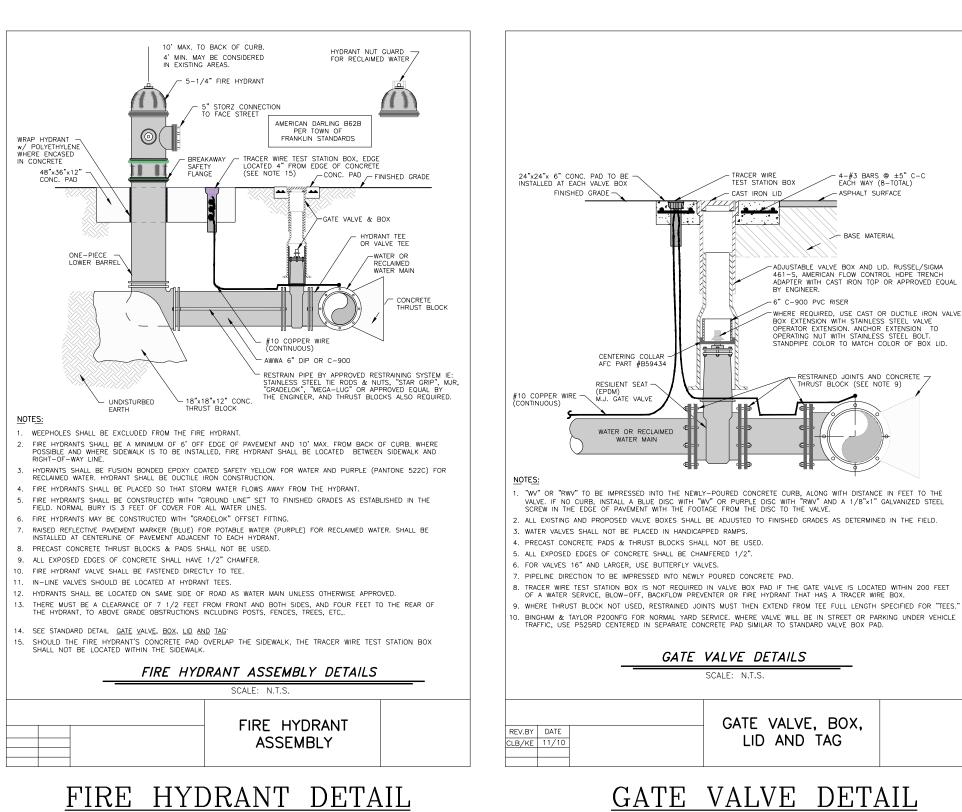
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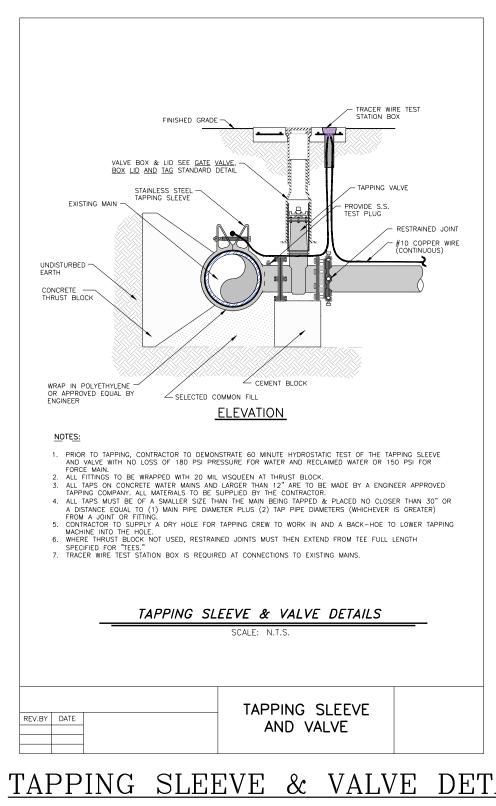
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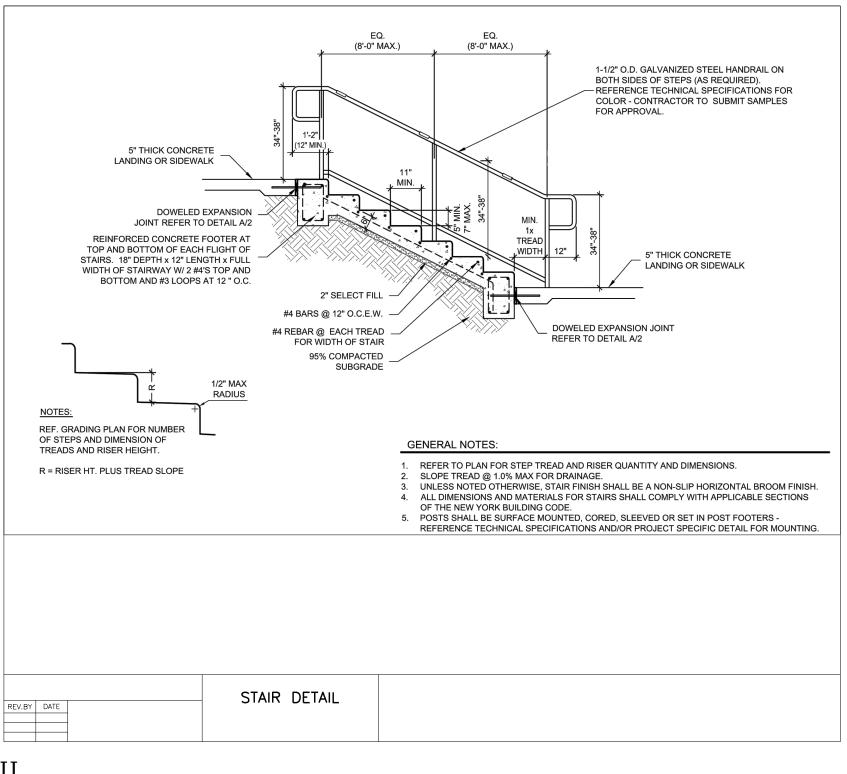
PROPOSED EROSION & SEDIMENT CONTROL PLAN THERMOFISHER 27 FORGE PARKWAY TOWN OF FRANKLIN COUNTY OF NORFOLK, MASSACHUSETTS

Date 04/26/2021	Work Order	Drawing No.	Rev
Scale 1" = 20'	10734.THERMOFISHER	C5	1









FIRE HYDRANT DETAIL

✓ ASPHALT SURFACE

BASE MATERIAL

ADJUSTABLE VALVE BOX AND LID. RUSSEL/SIGMA 461-S, AMERICAN FLOW CONTROL HOPE TRENCH ADAPTER WITH CAST IRON TOP OR APPROVED EQUAL BY ENGINEER.

WHERE REQUIRED, USE CAST OR DUCTILE IRON VALVE BOX EXTENSION WITH STAINLESS STEEL VALVE OPERATIOR EXTENSION. ANCHOR EXTENSION TO OPERATION OUT WITH STAINLESS STEEL BOLT. STANDPIPE COLOR TO MATCH COLOR OF BOX LID.

— 6" C−900 PVC RISER

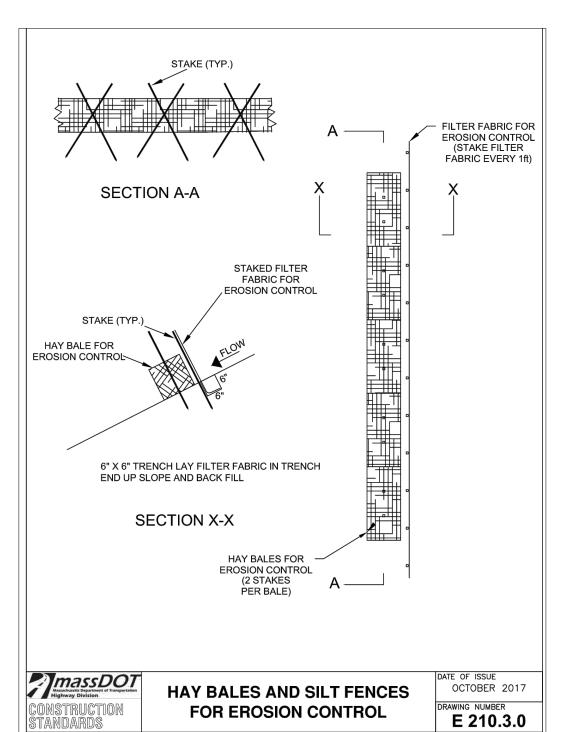
GATE VALVE, BOX,

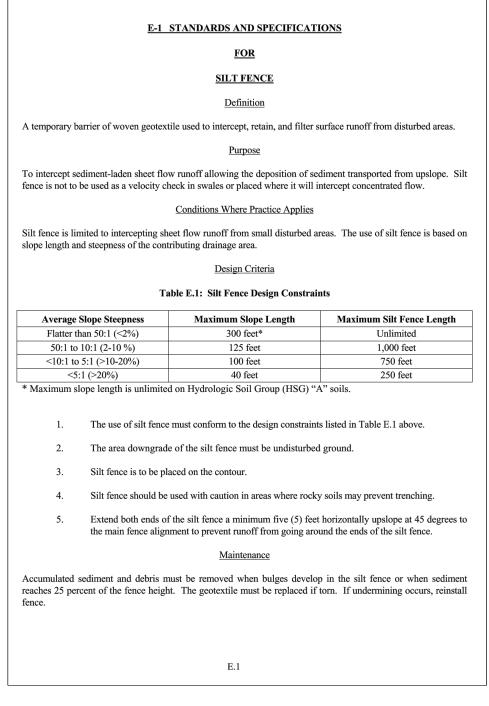
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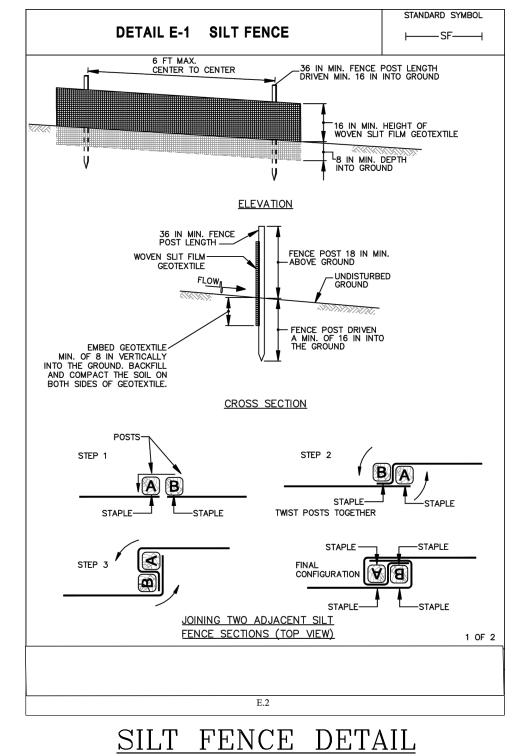
TAPPING SLEEVE & VALVE DETAIL

⊢----SF------|

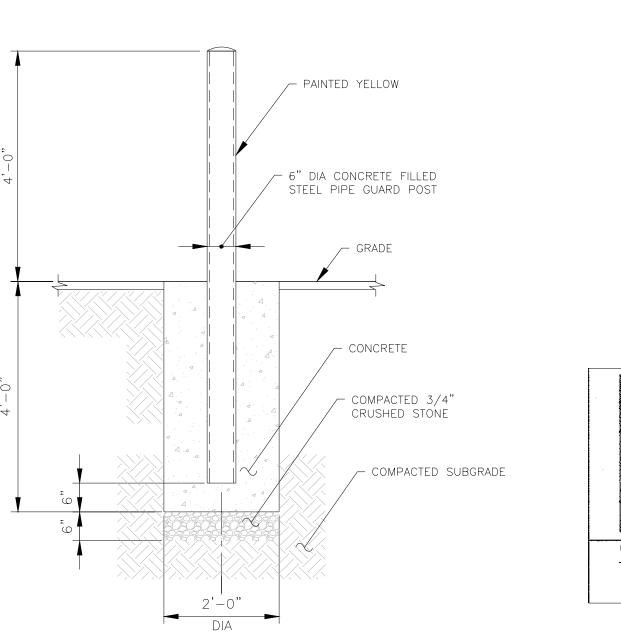
DETAIL E-1 SILT FENCE

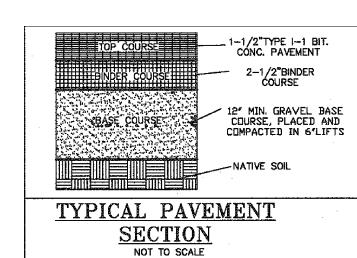






		31 — 7
	ANIGITALIAN CARGOGO ATIONS	
	INSTRUCTION SPECIFICATIONS	
1.	USE WOOD POSTS 134 X 134 \pm 36 INCH (MINIMUM) SQUARE CUT OF SOUND G AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STE LESS THAN 1 POUND PER LINEAR FOOT.	QUALITY HARDWOOD, AS EL POSTS WEIGHING NOT
2.	USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MO	DRE THAN 6 FEET APART.
3.	USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES MID-SECTION.	AND FASTEN GEOTEXTILE AT TOP AND
4.	PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVINSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED REQUIREMENTS IN SECTION H -1 MATERIALS.	
5.	EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. THE SOIL ON BOTH SIDES OF FABRIC.	BACKFILL AND COMPACT
6.	WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE ACCORDANCE WITH THIS DETAIL.	TO POST IN
7.	EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FE 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GO OF THE SILT FENCE.	
8.	REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SIL SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF REINSTALL FENCE.	
		2 0
		2 0
	E.3	





PAVEMENT DETAIL NTS

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DETAILS THERMOFISHER 27 FORGE PARKWAY TOWN OF FRANKLIN COUNTY OF NORFOLK, MASSACHUSETTS

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THERMO FISCHER **FRANKLIN** CANOPY PV SYSTEM

667.20 KW-DC SOLAR PV SYSTEM **27 FORGE PARKWAY** FRANKLIN, MASSACHUSETTS 02038

SCOPE OF WORK:

TO INSTALL A PARKING CANOPY MOUNTED SOLAR PHOTOVOLTAIC (PV) SYSTEM. THE POWER GENERATED BY THE PV SYSTEM WILL BE INTERCONNECTED WITH THE UTILITY GRID

THE PV SYSTEM DOES NOT INCLUDE STORAGE **BATTERIES**

CODES & STANDARDS:

2017 NATIONAL ELECTRICAL CODE 2015 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL FIRE CODE

LOT INFORMATION:

18.63 ACRES PARCEL ID# 275-013-000 **ZONING DISTRICT - INDUSTRIAL**

RECORD OWNER:

27 FORGE PARKWAY, LLC 600 BUISNESS CENTER DRIVE PITTSBURGH, PENNSYLVANIA 15205

RECORD APPPLICANT:

ECOGY MA VI LLC 315 FLATBUSH AVENUE #393 **BROOKLYN, NEW YORK 11217**

SYSTEM SUMMARY:

667.2 kW DC 399.9 kW-AC

TILT ANGLE = XX ° AZIMUTH = 79° & 259°

EQUIPMENT:

(1668) TALESUN TDG72M 400W MODULE

INVERTER:

(3) SOLAREDGE 66.6K-US INVERTER

RACKING:

RBI RACKING

DAS:

ECOGY ECONODE

UTILITY:

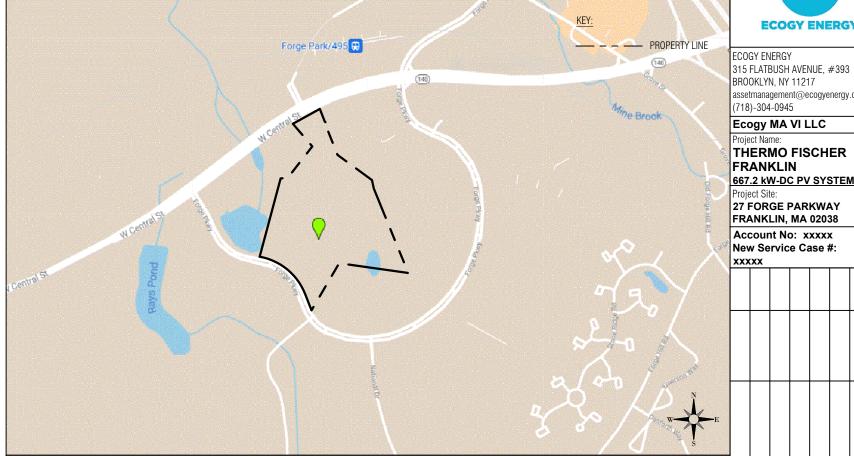
NAT GRID

DRAWING LIST DRAWING TITLE DWG. NO. G-001 TITLE SHEET PV-100 SITE PLAN ARRAY LAYOUT PV-102 PV-200 **CANOPY ELEVATION** CANOPY ELEVATION

REVIEW PLAN SET ISSUE DATE: 07/18/2020

LOCATION MAP

SCALE: NTS



SATELLITE MAP

SCALE: NTS



ECOGY ENERGY

ECOGY ENERGY 315 FLATBUSH AVENUE. #393 BROOKLYN, NY 11217 assetmanagement@ecogyenergy.com (718)-304-0945

Ecogy MA VI LLC

THERMO FISCHER FRANKLIN

27 FORGE PARKWAY FRANKLIN, MA 02038

Account No: xxxxx New Service Case #:

XXXXX



Professional Stamp

TITLE SHEET

DATE: 04/21/2021

G-001

	ARRAY LEGEND								
ARRAY	CONFIG	MODULE COUNT	SIZE kW-DC						
1	6 X 55	330	132.00						
2	6 X 72	432	172.80						
3	6 X 96	576	230.40						
4	6 X 55	330	132.00						
TOTAL		1668	667.20						

TALESON TD6G72M 400W

GENERAL NOTES:

1. EXISTING ACCESS ROAD FOR UTILITY TRANSFORMER IS 13' WIDE.

LINETYPE LEGEND:

APPROXIMATE PROPERTY LINE PROPERTY LINE SETBACK PROPOSED CHAINLINK FENCE

OVERHEAD ELECTRIC UNDERGROUND ELECTRIC

APPROXIMATE WETLAND BOUNDARY GIS

WETLAND 100' BUFFER

CUSTOMER EQUIPMENT KEY:

- AC DISCONNECT SWITCH (PV SYSTEM) AC PANELBOARD (1) SOLAREDGE INVERTER DAS (ECONODE)
 - AC DISCONNECT SWITCH (PV SYSTEM) AC COMBINER PANEL (5) 100kW SOLAREDGE INVERTER DÁS (ECONODE)
- 800A PV AC MAIN DISCONNECT ON SOUTH EXTERIOR OF BUILDING PV GENERATOR DISCONNECT (UTILITY ACCESSIBLE 24/7) FUSED AC COMBINER SMART METER
- EXISTING 2000A SWITCHBOARD WITH 2000A MAIN DISCONNECT #1 FOR BUILDING SERVICE
- EXISTING 800AMP ATS WITH 800A MAIN DISCONNECT #2 $\langle E \rangle$
- PV SYSTEM DISCONNECT SWITCH

UTILITY EQUIPMENT KEY:

- EXISTING TXFRMR 1000kVA, PAD MOUNTED PAD #21-95 (PCC)
- EXISTING BUILDING SERVICE UTILITY METER AND



ECOGY ENERGY 315 FLATBUSH AVENUE, #393 BROOKLYN, NY 11217 assetmanagement@ecogyenergy.com (718)-304-0945

Ecogy MA VI LLC

THERMO FISCHER FRANKLIN 667.2 kW-DC PV SYSTEM

Project Site:

27 FORGE PARKWAY FRANKLIN, MA 02038

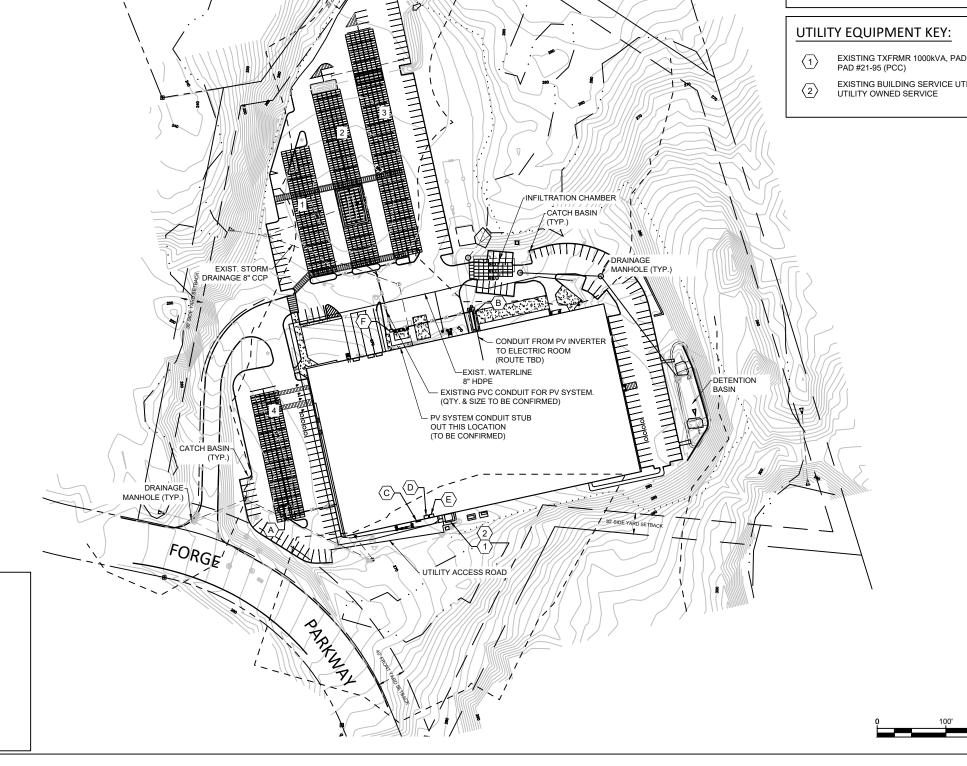
Account No: xxxxx New Service Case #: XXXXX

					908	ВУ
					1202/02/9	DATE
					RECONFIGURED ARRAY LAYOUT PER NEW LOADING DOCK	REVISION DESCRIPTION
					1	#
fessional Stamp						

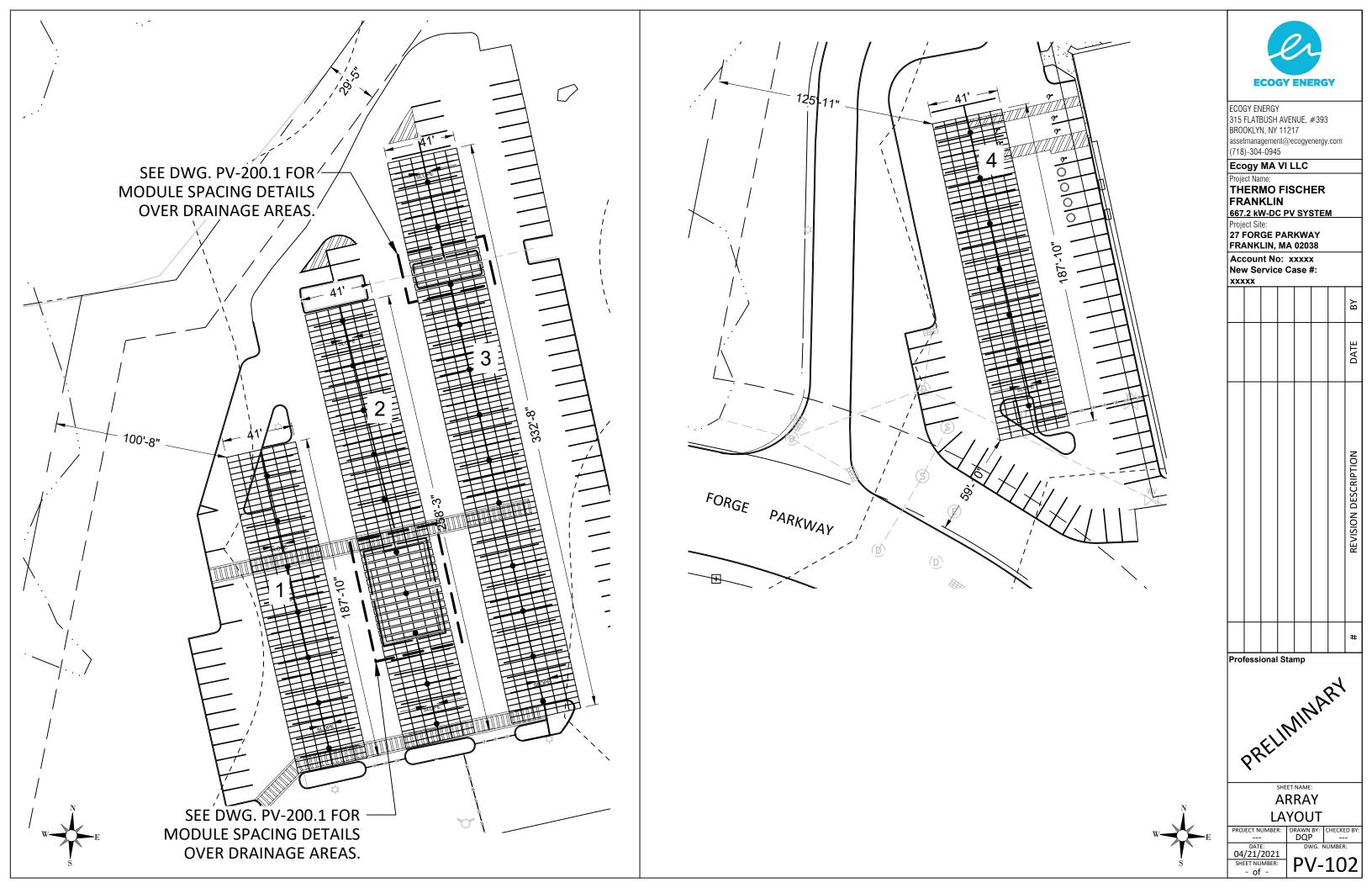
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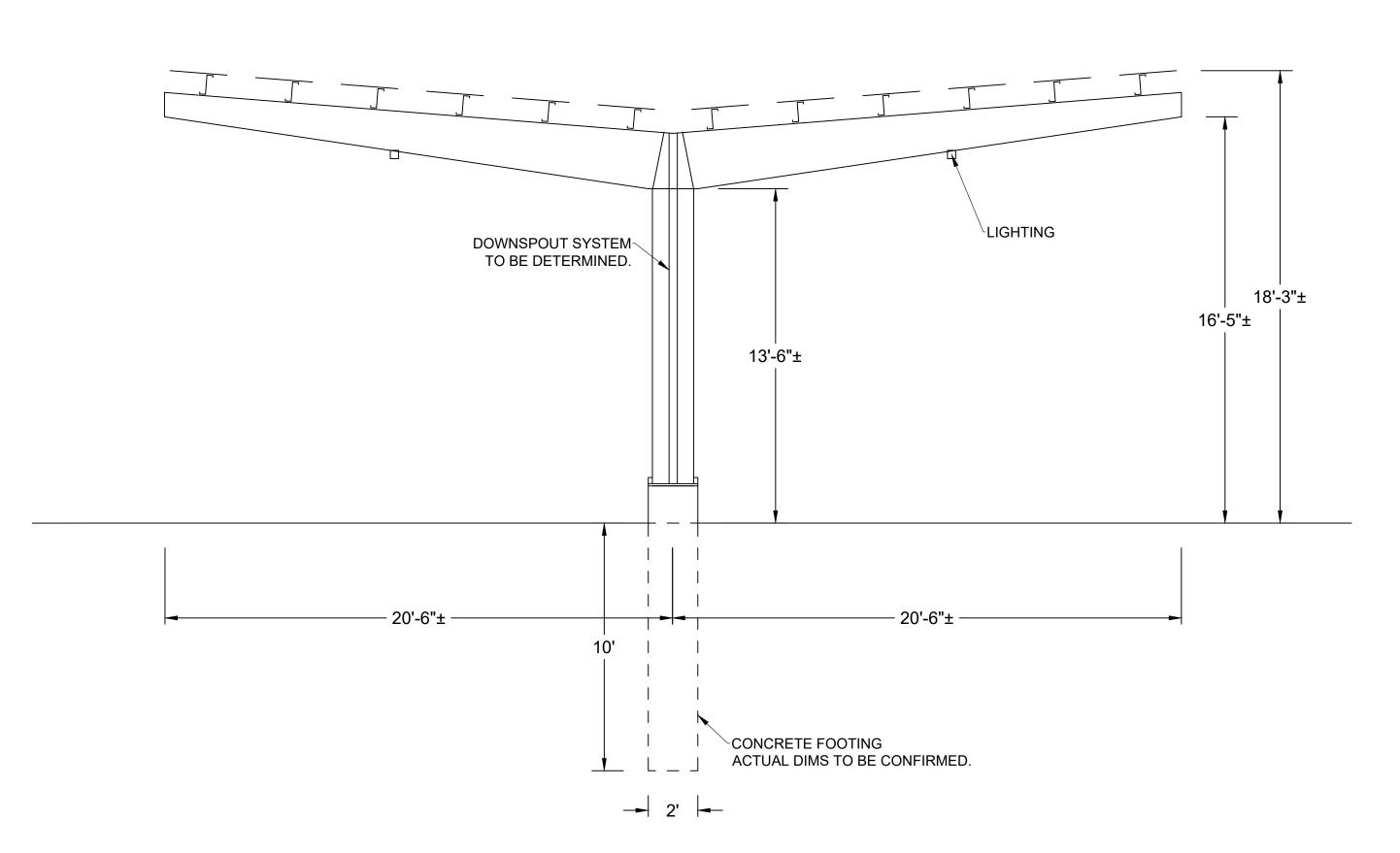
SITE MAP

PROJECT NUMBER:	DRAWN BY:	CHECKED
	SCG	
DATE:	DWG. I	NUMBER:
04/21/2021		
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/INFILTRATION CHAMBER





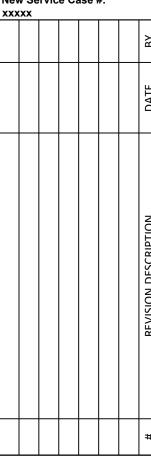


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Ecogy MA VI LLC
Project Name:
THERMO FISCHER
FRANKLIN
667.2 kW-DC PV SYSTEM

Project Site: 27 FORGE PARKWAY FRANKLIN, MA 02038

Account No: xxxxx New Service Case #:



Professional Stamp

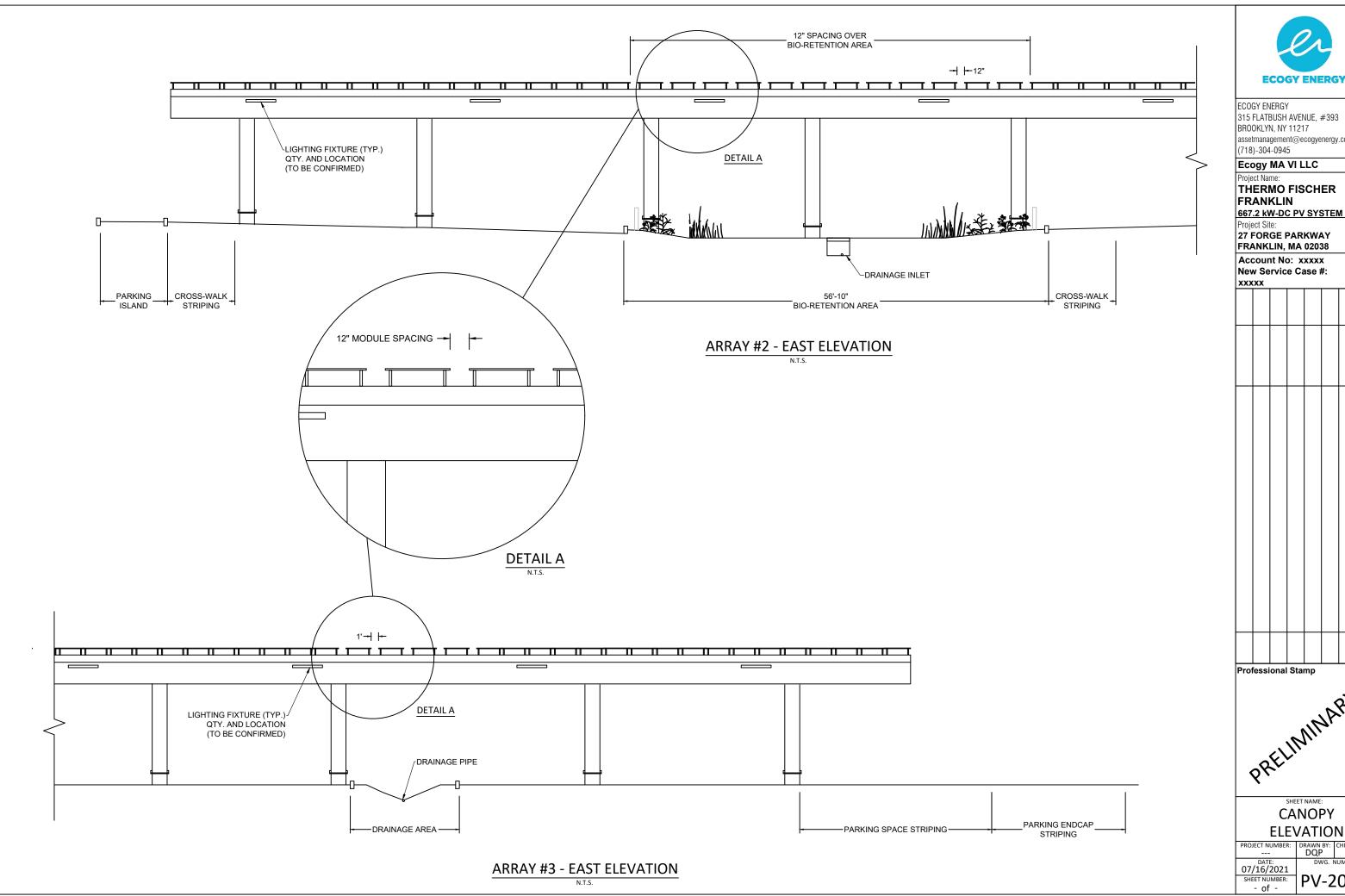
CANOPY

ELEVATION

DATE: 04/21/2021 SHEET NUMBER: - of -

MAX. ALLOWABLE ELEVATION 20 FEET.

NOTE:





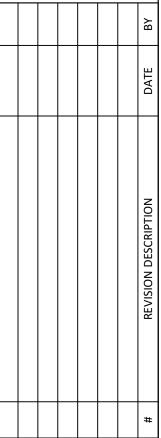
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Ecogy MA VI LLC

THERMO FISCHER

27 FORGE PARKWAY FRANKLIN, MA 02038

New Service Case #:



CANOPY

ELEVATION

DRAWN BY: CHECKED BY DQP ---PV-200.1



TOWN OF FRANKLIN

DEPARTMENT OF PUBLIC WORKS

Franklin Municipal Building 257 Fisher Street Franklin, MA 02038-3026

July 21, 2021

Mr. Anthony Padula, Chairman Members of the Franklin Planning Board 355 East Central Street Franklin, MA 02038

RE: Site Plan Modification – #27 Forge Parkway, Thermo Fisher Scientific

Dear Mr. Chairman and Members:

We have reviewed the revised materials for the subject project and offer the following comments:

- 1. The updated plans show 12" spacing between solar panels over the existing bioretention areas. As previously noted, we still recommend that the solar canopies be positioned so as to skip over the bioretention areas completely so that they may continue to be exposed to full sun.
- 2. We also note that detail for the canopy shows a downspout system that is "to be determined." Currently, the storm water runoff from the pavement is directed to the existing bioretention areas. It is unclear how the downspout system associated with proposed solar panels will affect the current drainage.
- 3. The previously noted parking lot island relocations are not shown on the current plan.

Should you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

Michael Maglio, P.E.

201

Town Engineer



FRANKLIN PLANNING & COMMUNITY DEVELOPMENT

355 EAST CENTRAL STREET, ROOM 120 FRANKLIN, MA 02038-1352 TELEPHONE: 508-520-4907

MEMORANDUM

DATE: July 20, 2021

TO: Franklin Planning Board

FROM: Department of Planning and Community Development

RE: 27 Forge Parkway

Site Plan Modification and Limited Site Plan

The DPCD has reviewed the above referenced Site Plan Modification application for the Monday, July 26, 2021 Planning Board meeting and offers the following commentary:

General:

- 1. The applicant has filed a Site Plan Modification to add solar canopies in the parking lot and has filed a Limited Site Plan Modification to remove a loading dock and 3 parking spaces.
- 2. Applicant is not required to file with the Conservation Commission.
- 3. DPCD has asked BETA to review the plan.
- 4. Mike Maglio, Town Engineer has provided a review on the Site Plan Modification.

Comments:

- 1. The Planning Board requested that the Site Plan and Limited Site Plan modifications be presented together.
- 2. The Applicant last presented at the February 22, 2021 Planning Board meeting. The Planning Board requested that Stormwater Management report be submitted. Applicant has submitted the report.
- 3. DPCD recommends Site Plans be reviewed and stamped by a professional engineer.
- 4. DPCD will refer to the Town Engineer's comments.

DPCD has no further comments.

To : DPCD

FROM: J. S. BARBIERI, DEPUTY FIRE CHIEF

DATE: 12 FEBRUARY 2021

RE: SITE PLAN MODIFICATION – 27 FORGE PARKWAY

Thank you for the opportunity to review the above referenced plan.

We have spoken with the project engineer who has assured us that the proposed structures will have adequate clearances for our vehicles. The layout provided meets our access requirements around the property.

Accordingly, we have no additional comments at this time. Please contact me should you have any questions or require any additional information.

cc: file



Thermo Fisher Scientific, Inc. 27 Forge Parkway Franklin, MA Stormwater Basin Analysis

In the 2019 stormwater design for the parking addition on the east side of the building, there was approximately 11,465 sf of existing impervious area (sub-basin EX-1) draining from their project area to the existing stormwater basin (AP-1) in the middle of the parking area. As part of the stormwater design for the parking addition and based on current survey topography; it appears that approximately 3,306 sf of that impervious area is now directed to the existing underground stormwater chamber system which discharges into the wetland to the north (AP-2), instead of the stormwater basin (AP-1) in the middle of the parking lot.

As such, there is approximately 3,306 sf of impervious area that is no longer draining to the existing stormwater basin. Accounting for this existing "credit", as well as the existing pavement that is being removed as part of this project, the net increase of impervious cover draining to the existing stormwater basin (AP-1) is 0.012 Ac (543.2 sf). This 0.5% increase is most likely to be considered deminimis relative to the +/-2.5 Ac of existing parking lot currently draining to it.

Pavement/concrete proposed with this project: 4,837.8 sf

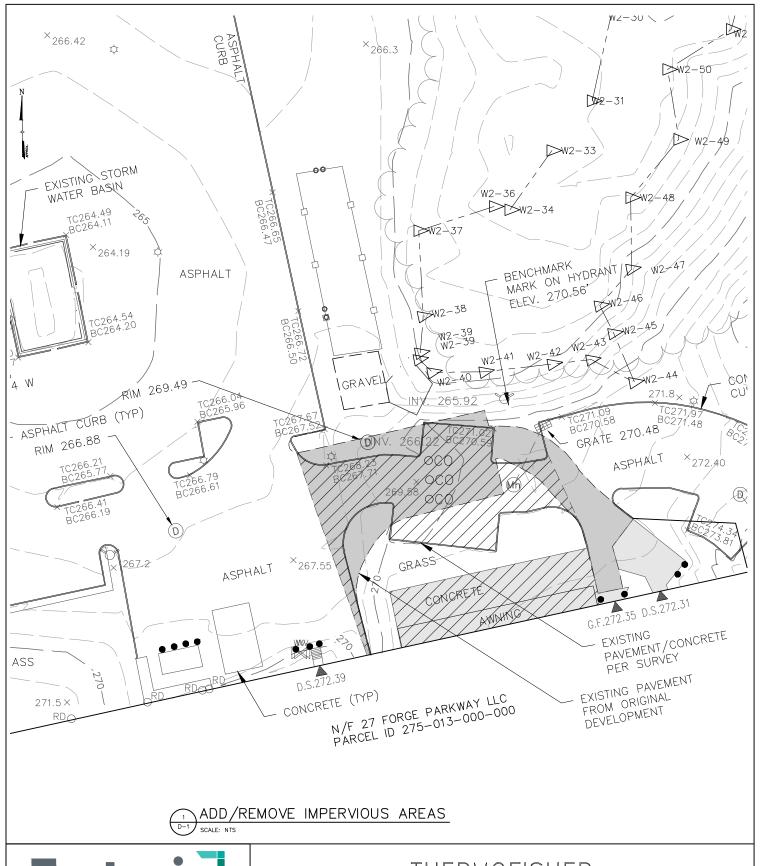
Existing pavement/concrete removed from basin area (AP-1) by previous project: 3,305.6 sf

Existing pavement/concrete to be removed as part of this project: 988.9 sf

Total net increase of impervious surface draining to the existing stormwater basin: 543.2 sf

Any inquiries or questions regarding this analysis should be directed to:

J. Mark Privette
Manager of Engineering
Tectonic Engineering and Surveying Consultants





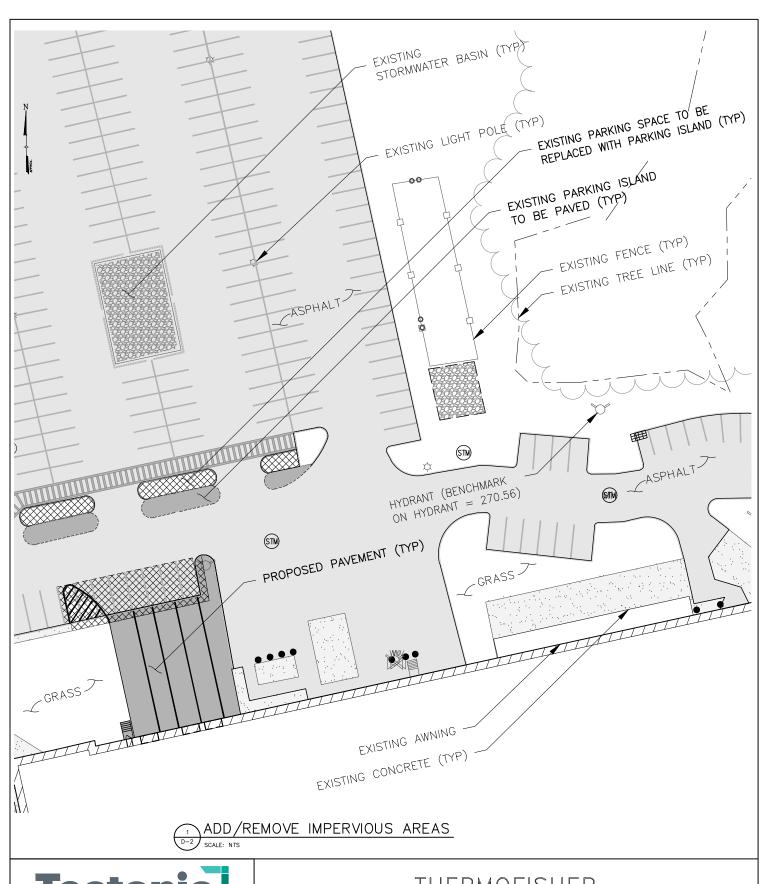
THERMOFISHER

27 FORGE PARKWAY

TOWN OF FRANKLIN

COUNTY OF NORFOLK, MASSACHUSETTS

PPE 10734.THERMOFISHER | ISSUED BY: JMP | 07/08/21 | SCALE: AS NOTED | SHEET: D-1 | REV: 0





Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. 70 Pleasant Hill Road Phone: (845) 534–5959 P.O. Box 37 (800) 829–6551 Mountainville, NY 10953 www.tectonicengineering.com

Project Contact Info 429 Lithia Pinecrest Road Brandon, FL 33511

Phone: (813) 374-9177

THERMOFISHER

27 FORGE PARKWAY

TOWN OF FRANKLIN

COUNTY OF NORFOLK, MASSACHUSETTS

PPE 10734.THERMOFISHER ISSUED BY: JMP 07/08/21 SCALE: AS NOTED SHEET: D-2 REV: 0