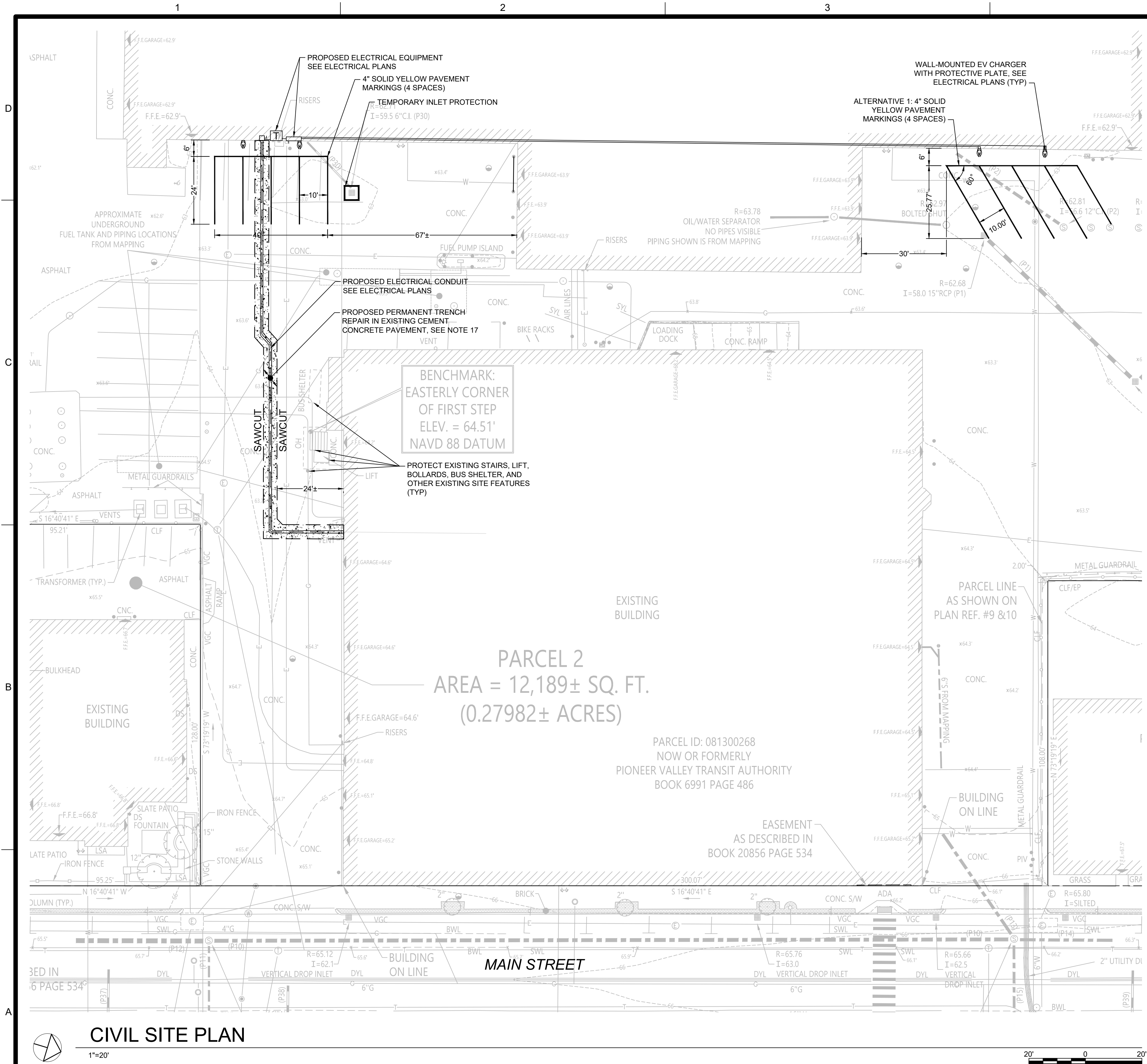


G-001

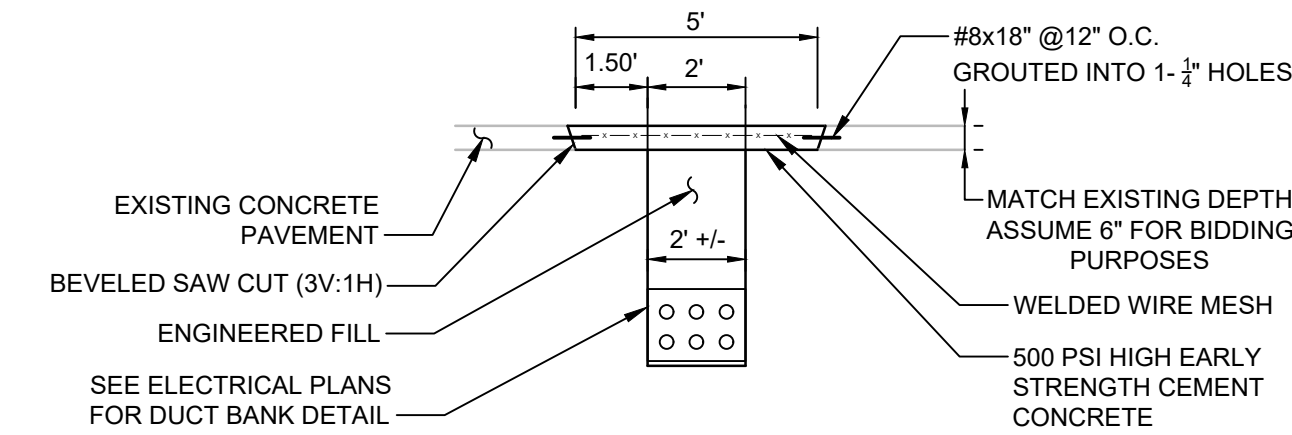


CIVIL NOTES

- CONTRACTOR SHALL PRE-MARK PROPOSED SAWCUTS AND PAVEMENT MARKINGS FOR REVIEW AND APPROVAL BY THE OWNER BEFORE SAWCUTTING CONCRETE OR INSTALLING PAVEMENT MARKINGS.
- CONTRACTOR SHALL FURNISH AND MAINTAIN BARRIERS, ROAD PLATES, TEMPORARY HMA, CHANNELIZING DEVICES, AND OTHER MEASURES AS NEEDED TO PROTECT THE WORK, PVTA PERSONNEL, AND PUBLIC.
- CONTRACTOR SHALL SEQUENCE THE WORK TO MAINTAIN ACCESS FOR EMERGENCY VEHICLES AND PVTA OPERATIONS AROUND THE WORK ZONE.
- TRENCHES SHALL BE COVERED WITH STEEL PLATES CAPABLE OF SUPPORTING HS-20 LOADING OR BACKFILLED WITH TEMPORARY BACKFILL UNTIL FINAL TRENCH REPAIR IS COMPLETED. EXCEPT FOR TRENCHES BEING ACTIVELY WORKED, IN NO CASE MAY A TRENCH REMAIN OPEN UNLESS PROTECTED BY CONCRETE BARRIERS AND AUTHORIZED BY THE ENGINEER.
- TRENCHES SHALL BE BACKFILLED AND COMPACTED WITH EXISTING SATISFACTORY SOILS OR NEW SUBBASE MATERIAL. LIFTS SHALL BE 12" (MAX) BEFORE COMPACTION AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
- SAWCUTS SHALL BE NEAT. IF THE CONCRETE SPALLS OR BREAKS, THE CONTRACTOR SHALL MAKE A NEW CUT OUTSIDE THE SAWED AREA IN SOUND CONCRETE AT THE CONTRACTOR'S EXPENSE.
- ANY UNDERMINED, DISTURBED, OR UNSTABLE SUBGRADE OR SUBBASE MATERIAL SHALL BE REMOVED. IF EXISTING CONCRETE PAVEMENT IS UNDERMINED, CONTRACTOR SHALL RECURT PAVEMENT 18" FROM EDGE OF STABLE SUBGRADE AT THE CONTRACTOR'S EXPENSE.
- EDGES OF CONCRETE PATCH SHALL NOT BE CLOSER THAN FIVE FEET FROM AN EXISTING JOINT. IF THE PATCH WILL FALL WITHIN THIS DISTANCE, ALL CONCRETE UP TO THE EXISTING JOINT SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- IMMEDIATELY BEFORE PLACING CONCRETE, CONTRACTOR SHALL BRUSH EXPOSED FACES OF EXISTING CONCRETE WITH CEMENT-WATER-SAND GROUT OR EPOXY BONDING COMPOUND.
- WELDED WIRE MESH SHALL BE PLACED AT LEAST 2-1/2" BELOW THE SURFACE. NO PHYSICAL TIE TO EXISTING WIRE MESH IS REQUIRED.
- MATCH FINISH TEXTURE OF ADJACENT EXISTING CONCRETE PAVEMENT.
- PATCH SHALL BE PROTECTED FROM TRAFFIC FOR AT LEAST 24 HOURS OR UNTIL A STRENGTH OF 2500 PSI IS ACHIEVED.
- THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON AVAILABLE RECORD PLANS. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES AND OTHER EXISTING ELEMENTS THAT MAY AFFECT THE WORK.
- CONTRACTOR SHALL CALL DIGSAFE AT 888-344-7233 AT LEAST 72 BUSINESS HOURS BEFORE EXCAVATING.
- ALL PAVEMENT MARKINGS SHALL BE WATER-BORNE TRAFFIC PAINT.
- CONTRACTOR SHALL PREVENT SEDIMENT FROM THE WORK SITE FROM BEING TRANSPORTED OFF SITE OR ENTERING THE STORMWATER SYSTEM. INSTALL INLET PROTECTION AT ALL DRAINAGE INLETS WITHIN AND DOWNGRADE OF THE WORK AREA. INSTALL SEDIMENT CONTROL BARRIERS AND SWEEP WORK AREAS AS NEEDED TO PREVENT THE TRANSPORTATION OF SEDIMENT. ADDITIONAL PROTECTION MEASURES NOT SHOWN ON THE PLAN MAY BE REQUIRED.
- LIMITS OF TRENCHING SHOWN ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LIMITS OF TRENCHING IN FIELD AND ENSURE LIMITS COVER EXISTING PATCHING OVER SPALLED CONCRETE.

PROJECT ALTERNATIVES

ALTERNATIVE 1 (ALT 1): PAVEMENT MARKINGS AT ADDITIONAL LEVEL 2 VEHICLE CHARGERS.



- NOTE:
- TRENCH AND PATCH DIMENSIONS SHOWN ARE MINIMUM. INCREASE AS NEEDED FOR FIELD CONDITIONS. SEE CIVIL NOTES 1 AND 8.
 - BURY PROP DUCT BANK WITH AT LEAST 12" CLEARANCE BETWEEN EXISTING UTILITIES.

PERMANENT TRENCH REPAIR IN EXISTING CEMENT CONCRETE PAVEMENT

NOT TO SCALE



STV Incorporated
One Financial Center
Boston, MA 02111
T: 617.482.7298
www.stvinc.com

CONSULTANTS

SEALS



Dustin J. Kersieck
2026.06.17
15:25:37-04'00'

PROJECT IDENTIFICATION

PVTA PARATRANSIT FACILITY
ELECTRIFICATION

2840 MAIN STREET
SPRINGFIELD, MA

9			
8			
7			
6			
5			
4			
3			
2			
1			
MARK	DATE	DESCRIPTION	BY

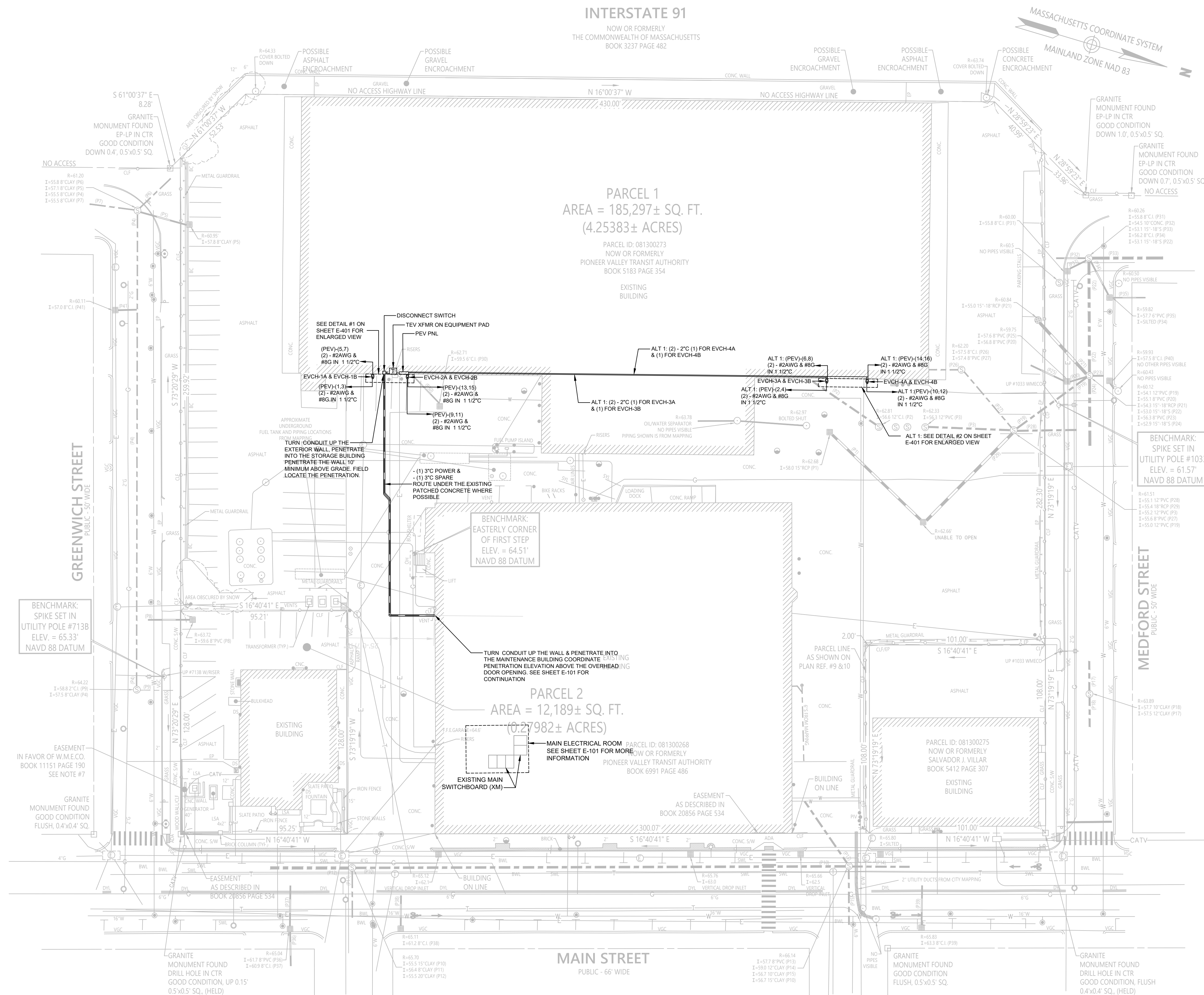
ISSUE BLOCK

PROJECT NO.: 3023168_0003
DESIGNED BY: DK
DRAWN BY: DK
CHECKED BY: AB
APPROVED BY: SP
COPYRIGHT: STV Incorporated

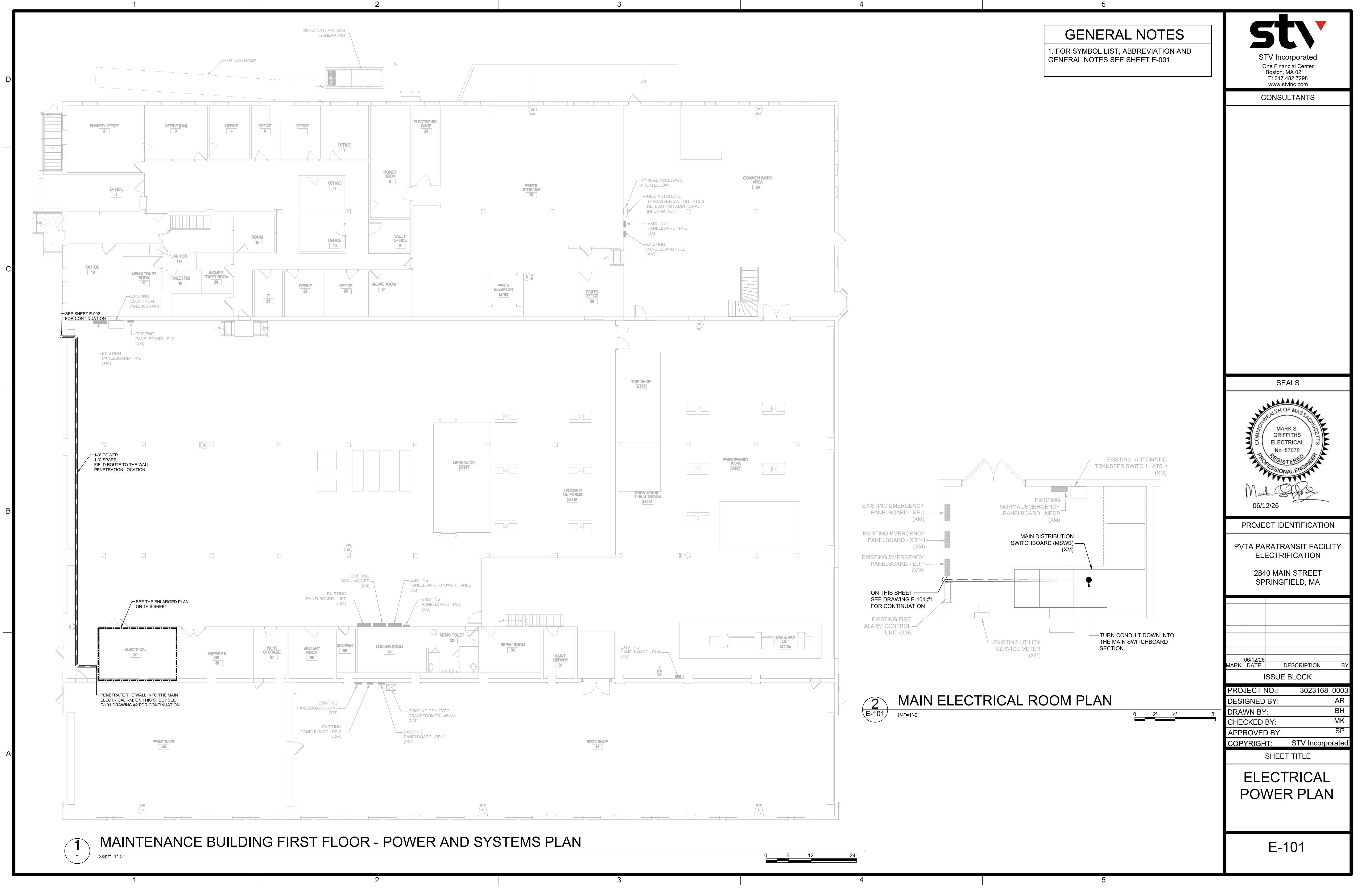
SHEET TITLE

CIVIL
SITE PLAN
& DETAILS

C-101



1 ELECTRICAL SITE PLAN



GENERAL NOTES

1. FOR SYMBOL LIST, ABBREVIATION AND GENERAL NOTES SEE SHEET E-001.

stvinc

STV Incorporated
One Financial Center
Boston, MA 02111
T: 617.482.7298
www.stvinc.com

CONSULTANTS

SEALS



PROJECT IDENTIFICATION

PVTA PARATRANSIT FACILITY
ELECTRIFICATION

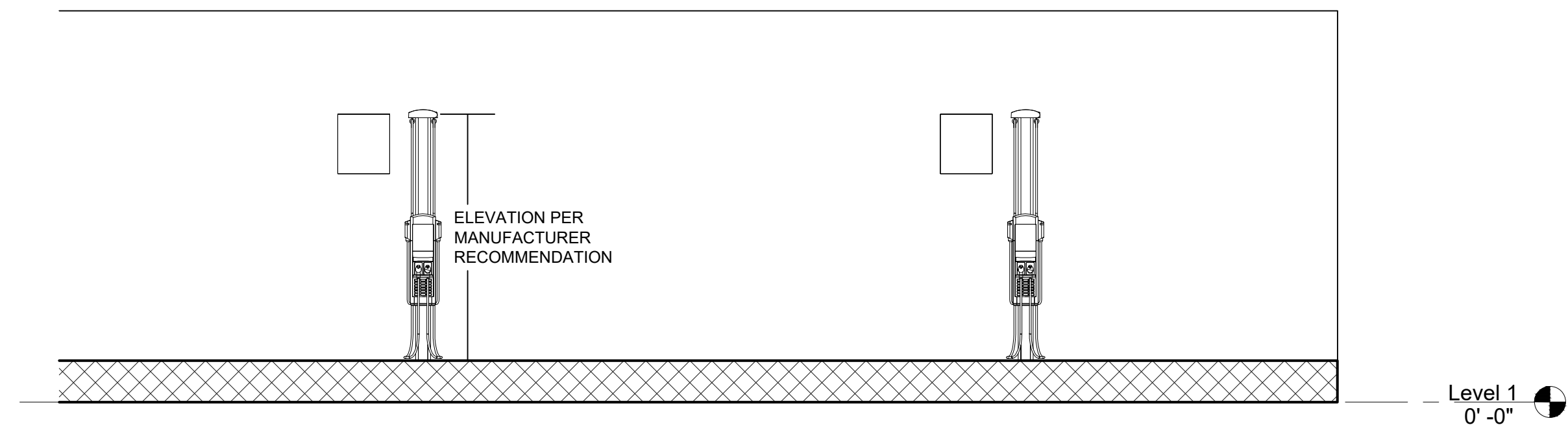
2840 MAIN STREET
SPRINGFIELD, MA

MARK	DATE	DESCRIPTION	BY
	06/12/26		
ISSUE BLOCK			
PROJECT NO.:	3023168_0003		
DESIGNED BY:	AR		
DRAWN BY:	BH		
CHECKED BY:	MK		
APPROVED BY:	SP		
COPYRIGHT:	STV Incorporated		

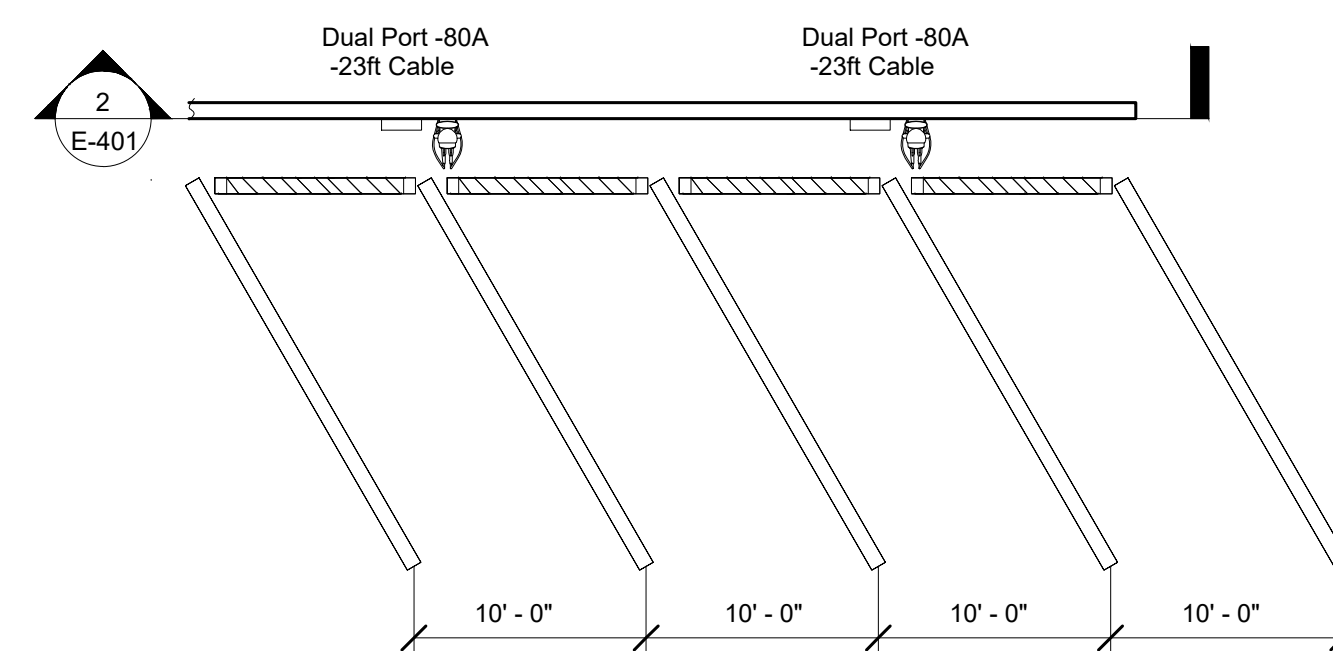
SHEET TITLE

**ELECTRICAL
POWER PLAN**

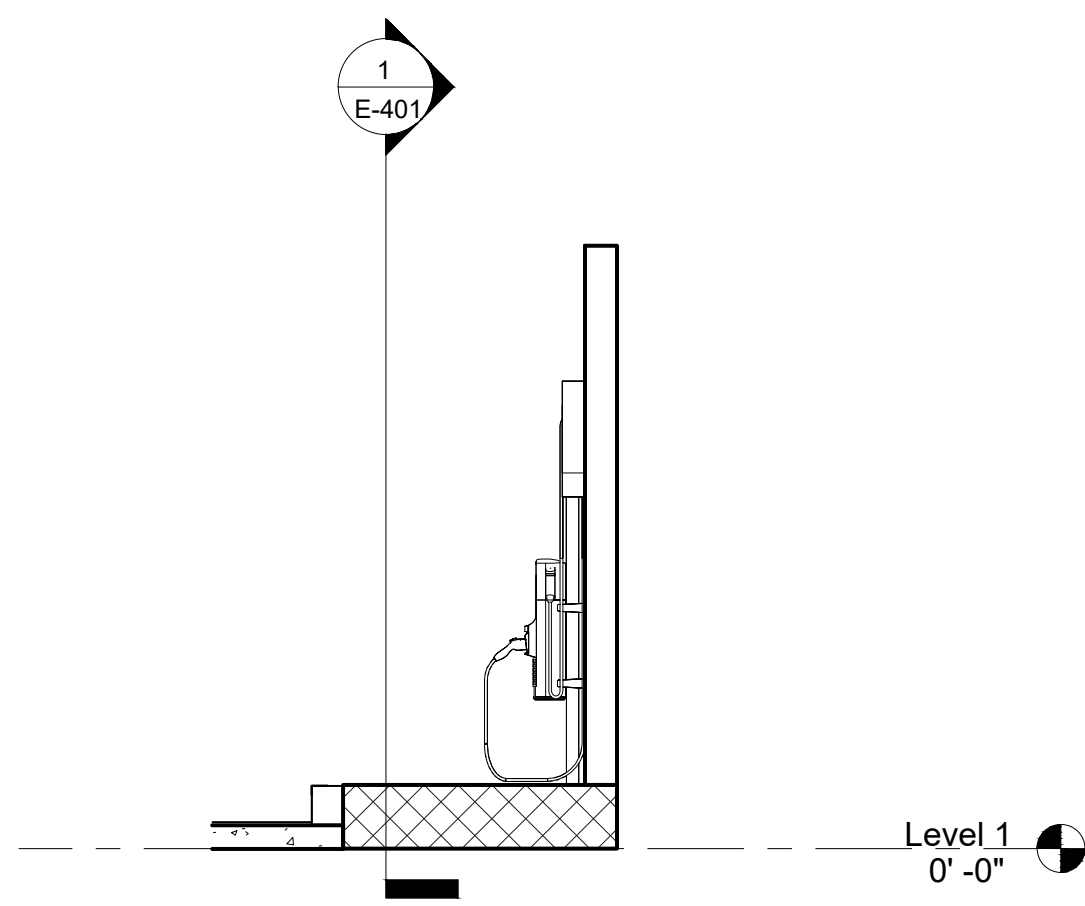
E-101



2 ALT 1: ELECTRICAL CHARGING STATION ELEVATION - VIEW #1
E-401 NOT TO SCALE



4 ALT 1: ELECTRICAL CHARGING STATION FLOOR PLAN- VIEW #2
E-401 NOT TO SCALE



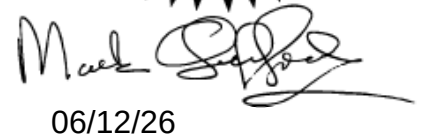
5 ELECTRICAL CHARGING STATION PROFILE ELEVATION VIEW
E-401 NOT TO SCALE

1. FOR SYMBOL LIST, ABBREVIATION AND
GENERAL NOTES SEE SHEET E-001.



CONSULTANTS

SEALS



PROJECT IDENTIFICATION

2840 MAIN STREET
SPRINGFIELD, MA

[illegible]

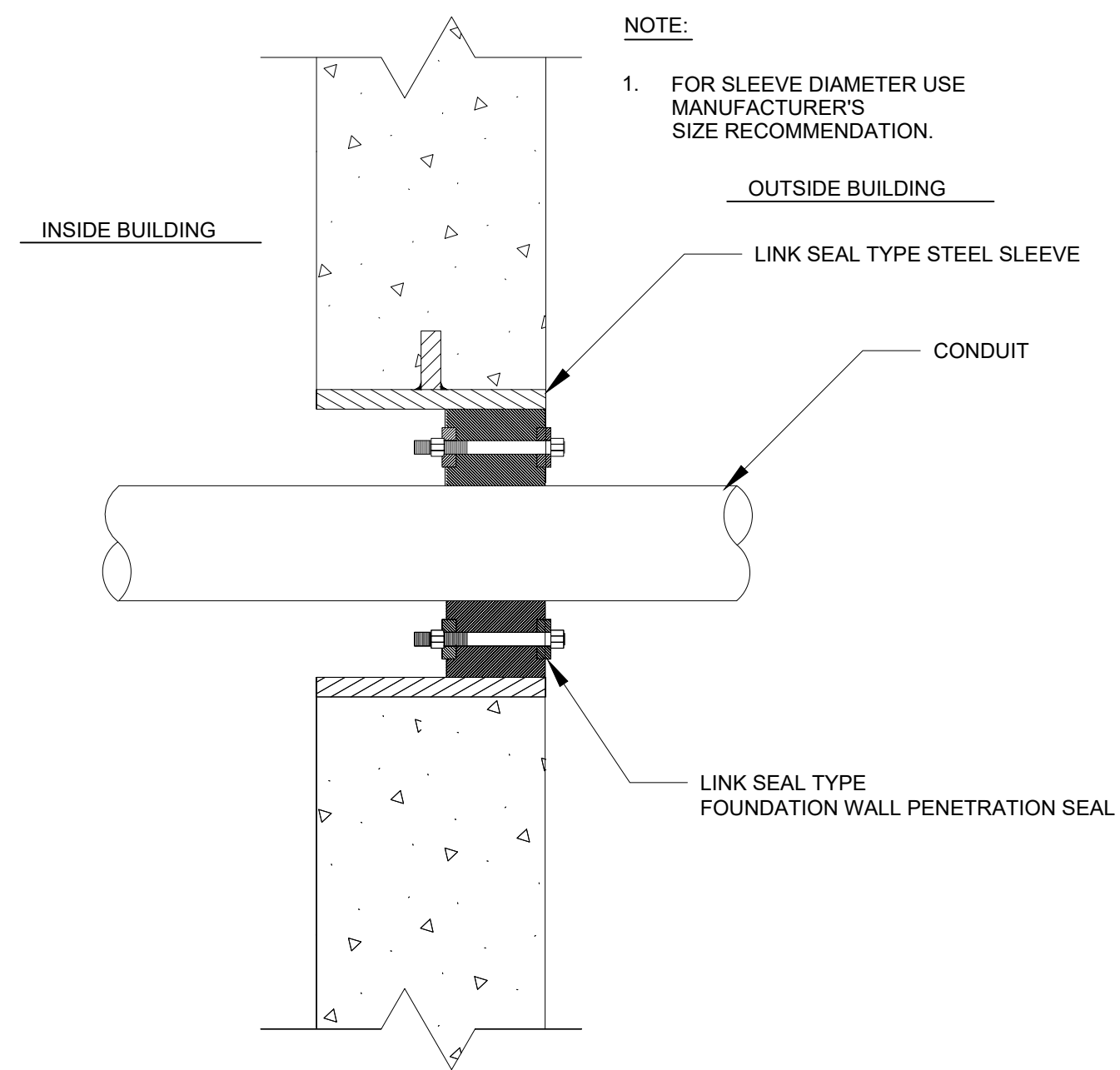
ISSUE BLOCK

PROJECT NO.:	3023168_0003
DESIGNED BY:	AR
DRAWN BY:	BH
CHECKED BY:	MK
APPROVED BY:	SP
COPYRIGHT:	STV Incorporated

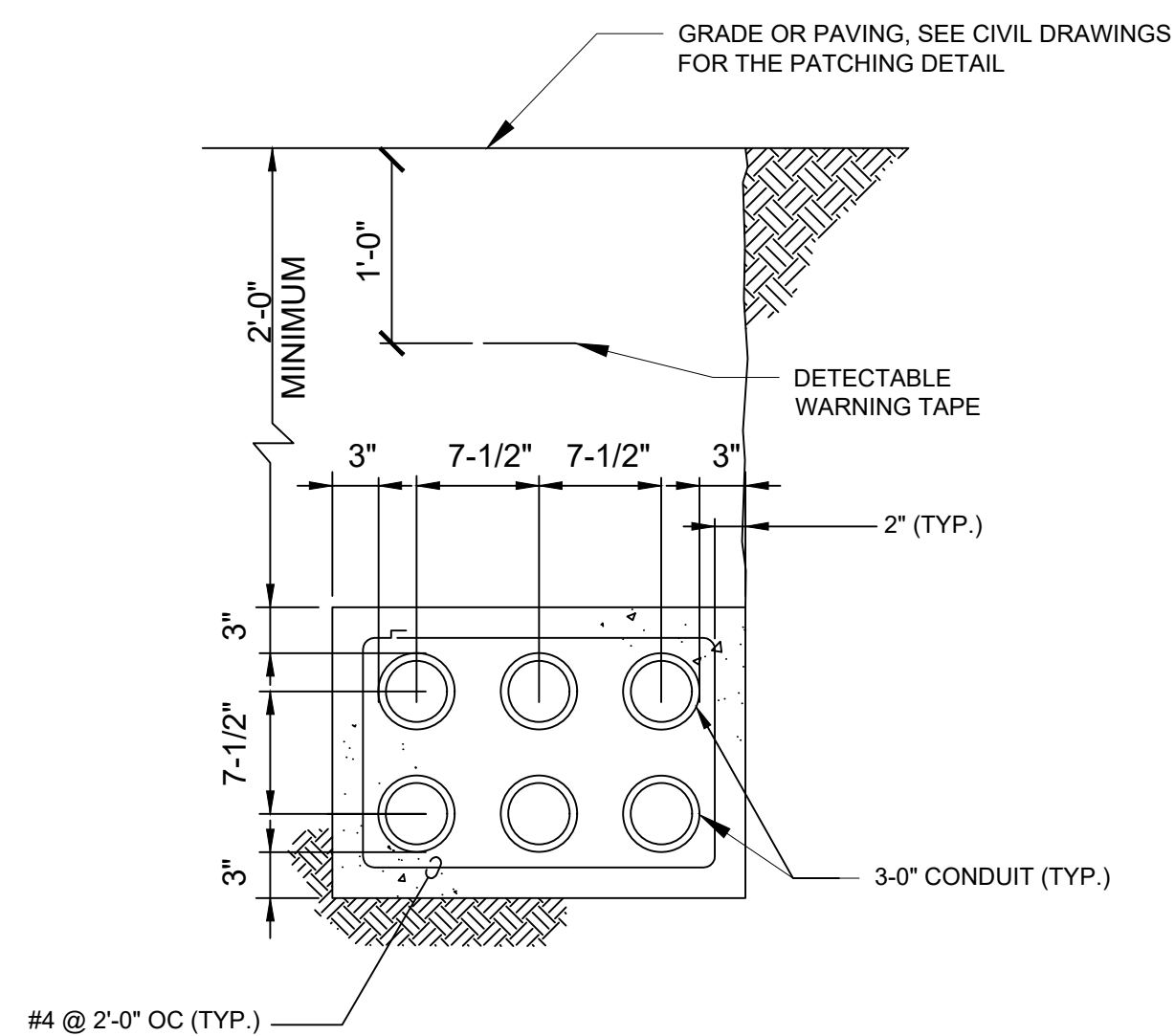
SHEET TITLE

ELECTRICAL VEHICLE CHARGER ENLARGED VIEWS

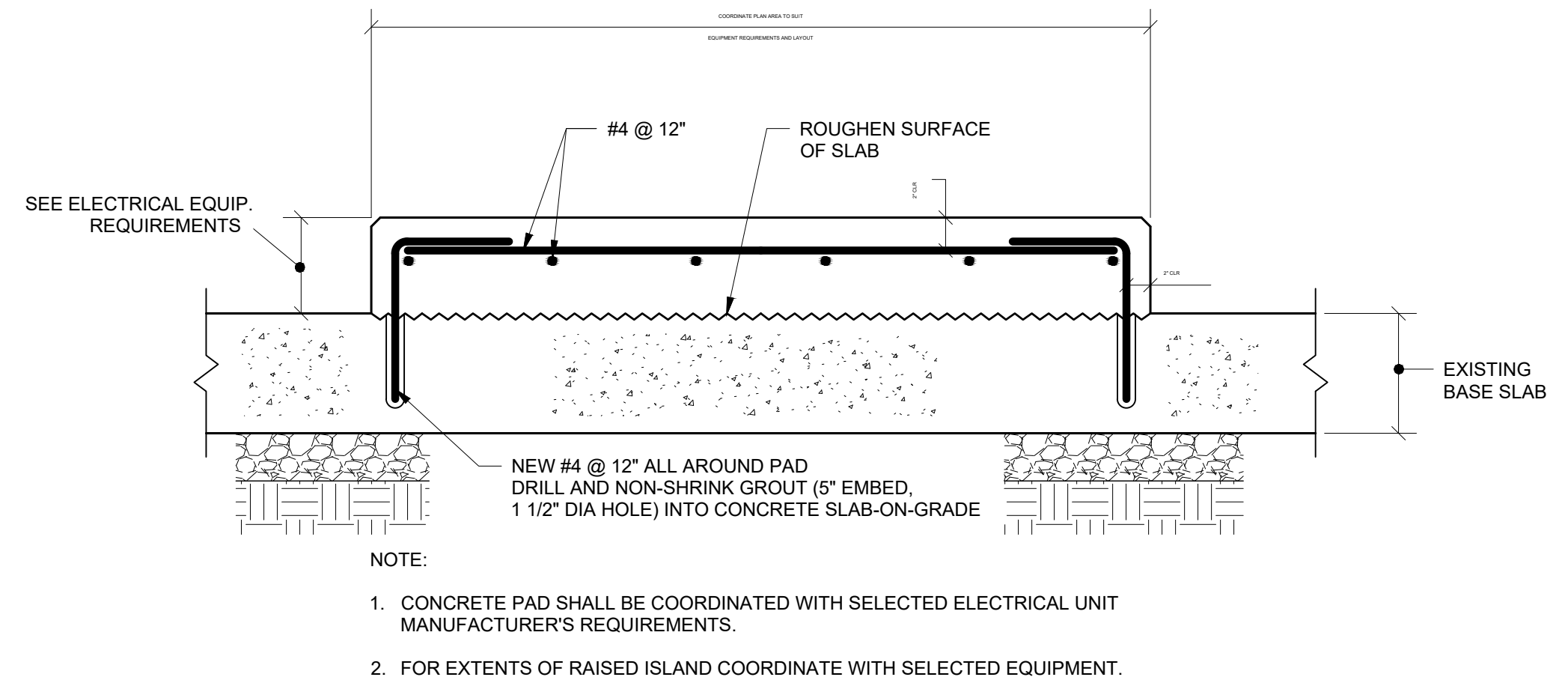
E-401



1 CONDUIT WALL PENETRATION AND SEAL DETAIL



2 TYPICAL DUCTBANK DETAIL



3 ELECTRICAL EQUIPMENT PAD DETAIL

GENERAL NOTES

1. FOR SYMBOL LIST, ABBREVIATION AND
GENERAL NOTES SEE SHEET E-001.



STV Incorporated
One Financial Center
Boston, MA 02111
T: 617.482.7298
www.stvinc.com

CONSULTANTS

SEALS



06/12/26

PROJECT IDENTIFICATION

PVTA PARATRANSIT FACILITY
ELECTRIFICATION

2840 MAIN STREET
SPRINGFIELD, MA

[illegible]

ISSUE BLOCK

PROJECT NO.:	3023168_0003
DESIGNED BY:	AR
DRAWN BY:	BH
CHECKED BY:	MK
APPROVED BY:	SP
COPYRIGHT:	STV Incorporated

SHEET TITLE

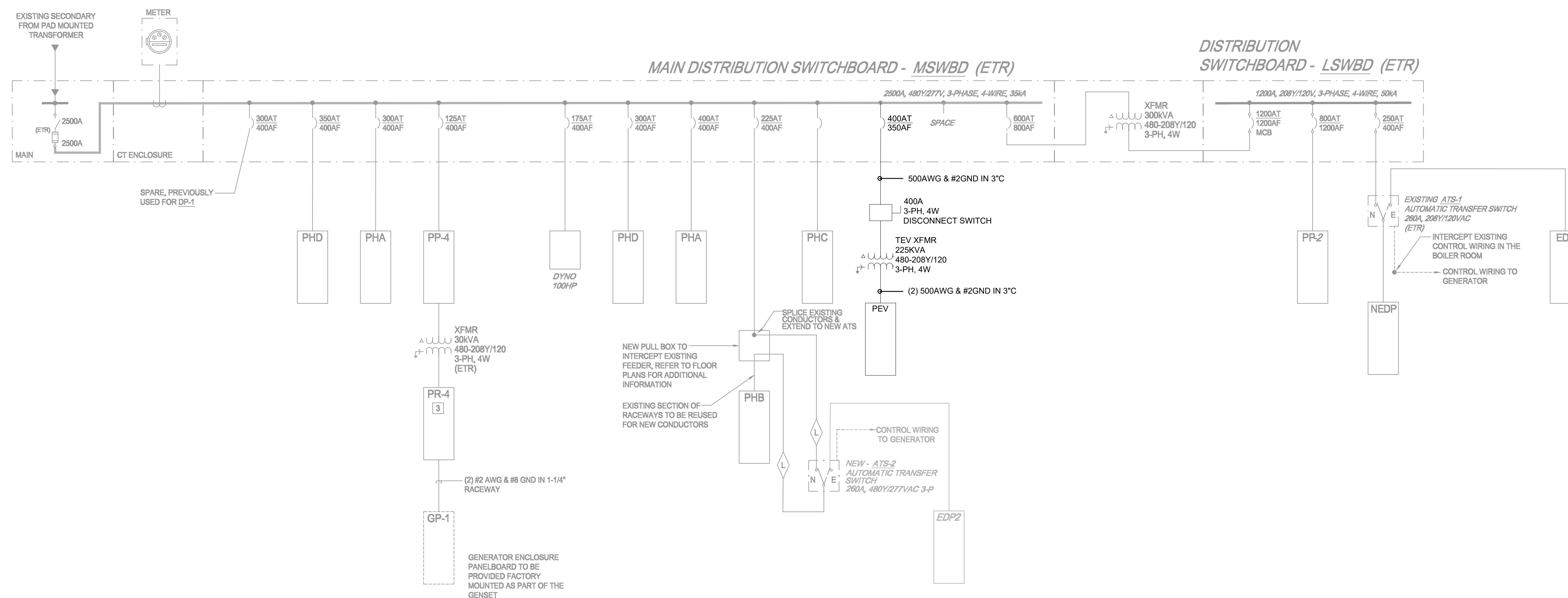
ELECTRICAL DETAIL PLAN

E-501

1. FOR SYMBOL LIST, ABBREVIATION AND GENERAL NOTES SEE SHEET E-001.

1. FOR SYMBOL LIST, ABBREVIATION AND GENERAL NOTES SEE SHEET E-001.

CONSULTANTS



SEAL



06/12/26

PROJECT IDENTIFICATION

PVTA PARATRANSIT FACILITY ELECTRIFICATION

2840 MAIN STREET
SPRINGFIELD, MA

[illegible]

ISSUE BLOC

PROJECT NO.:	3023168_0003
DESIGNED BY:	AR
DRAWN BY:	BH
CHECKED BY:	MK
APPROVED BY:	SP
COPYRIGHT:	STV Incorporated

SHEET TITLE

NEW ELECTRICAL ONLINE DIAGRAM

E-601

MAIN SWITCHBOARD (XM)									
SUPPLY FROM:									
VOLTAGE:		13.8kV	3P, 4W				MAINS:		2000A
MOUNTING:		FREE STANDING				MLO/MAIN BREAKER:		2500A	MCB
GROUND BUS:		SEE SPECIFICATIONS				AIC RATING:		200K	
CKT. NO.	DESIGNATION	LOAD (VA)	BREAKERS			REMARKS			
			FRAME	TRIP	POLE				
1	Main Breaker	0	2500A	2500A					
2	Metering	0							
3	PP-4	0	400A	125A	3				
4	DYNO	0	400A	175A	3				
5	PHD	0	400A	300A	3				
6	DP-3	0	400A	300A	3				
7	DP-1	0	400A	300A	3				
8	PHL (SPARE)	0			3				
9	DP-2	0	400A	350A	3				
10	PHC	0			3				
11	PHA	0	400A	400A	3				
12	PHB	0	400A	225A	3				
13	XFMR	0	600A		3				
14	300KVA XFMR	0			3				
15	Metering	0	-	-	3				
16	Main Breaker	0	1200A	1200A	3				
17	ATS	0	150A	150A	3				
18	XRP-1	0	50A	50A	3				
19	XRP-2	0	50A	50A	3				
19	PEV PNL VIA 225KVA XFMR	332K	400A	350A	3				
20	SPARE	0	-	-	3				
TOTAL CONNECTED KVA =		332K	DIVIDE BY:		238.8	AMPS:	0	AMPS	
TOTAL DEMAND KVA =		332K	DIVIDE BY:		238.8	AMPS:	0	AMPS	

Branch Panel: PEV													
Location: Vehicle Storage				Volts: 208/120V				A.I.C. Rating: 42kAIC					
Supply From: Main Switchboard Via XFMR				Phases: 3				Mains Type: MCB					
Mounting: Surface				Wires: 4				Mains Rating: 800A					
Enclosure: NEMA 12								MCB Rating: 800A					
CKT.	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT.
1	EVCH-1A	100A	2	8320	8320					2	100A	ALT 1: EVCH-3A	2
3						8320	8320						4
5								8320	8320				6
7	EVCH-1B	100A	2	8320	8320					2	100A	ALT 1: EVCH-3B	8
9					8320	8320			10				
11	EVCH-2A	100A	2					8320	8320				12
13	EVCH-2B	100A	2	8320	8320					2	100A	ALT 1: EVCH-4B	14
15						8320	8320						16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
Total Load:				49920	VA	49920	VA	33280	VA				
Total Amps:				240	A	240	A	160	A				
Panel Totals													
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
HVAC		0	VA		%		0	VA					
Receptacle		0	VA		%		0	VA			Total Connected Load	133120	VA
Power		0	VA		%		0	VA			Total Estimated Demand	133120	VA
Lighting		0	VA		%		0	VA			Total Connected Current	640	A
Motor		0	VA		%		0	VA			Total Estimated Demand Current	640	A
Other			VA		%		0	VA					

GENERAL NOTES

1. FOR SYMBOL LIST, ABBREVIATION AND GENERAL NOTES SEE SHEET E-001.



STV Incorporated

One Financial Center
Boston, MA 02111
T: 617.482.7298
www.stvinc.com

CONSULTANTS

SEALS



06/12/26

PROJECT IDENTIFICATION

PVTA PARATRANSIT FACILITY ELECTRIFICATION

2840 MAIN STREET
SPRINGFIELD, MA

[illegible]

ISSUE BLOCK

PROJECT NO.: 3023168 0003

DESIGNED BY:	AR
--------------	----

DRAWN BY:	BH
-----------	----

CHECKED BY:	MK
-------------	----

APPROVED BY: _____ SP

COPYRIGHT: STV Incorporated

SHEET TITLE

NEW ELECTRICAL SCHEDULE

E-901