

Wellesley DPW/RDF Administration Building

Town of Wellesley

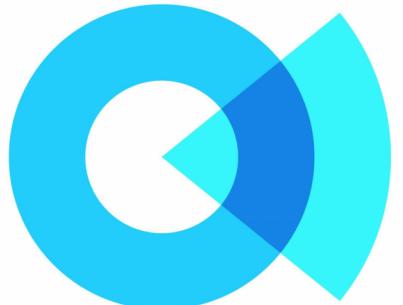
169 Great Plain Ave, Wellesley, MA
PROJECT # AE234571.2



Town of Wellesley

169 Great Plain Ave,
Wellesley, MA

Awarding Authority: Town of Wellesley
525 Washington St. 02482
(781) 400-6721



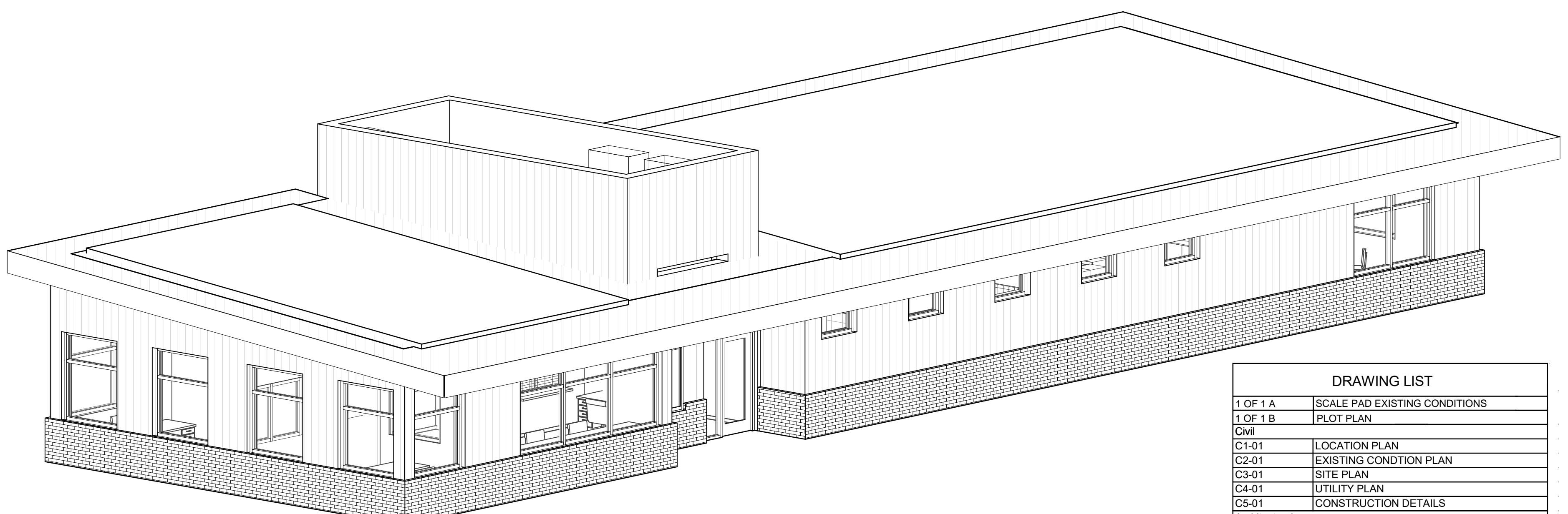
SOCOTEC

AE CONSULTING, LLC

75 HOOD PARK DR.
CHARLESTOWN, MA 02129

P: (617) 265-8977

SOCOTEC@SOCOTEC.US
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DRAWING LIST	
1 OF 1 A	SCALE PAD EXISTING CONDITIONS
1 OF 1 B	PLOT PLAN
Civil	
C1-01	LOCATION PLAN
C2-01	EXISTING CONDITION PLAN
C3-01	SOIL PLAN
C4-01	UTILITY PLAN
C5-01	CONSTRUCTION DETAILS
Architectural	
A1-00	EXIST. BUILDING DEMO & PROPOSED PLANS
A1-01	FIRST FLOOR PLAN
A1-02	ROOF PLAN
A2-01	BUILDING ELEVATIONS
A3-01	BUILDING SECTIONS
A3-10	WALL SECTIONS
Plumbing	
P1-00	UNDERGROUND PLAN
P1-01	FLOOR PLANS
Electrical	
E0-02	POWER RISER DIAGRAM & SCHEDULES
E0-04	DETAILS

SOCOTEC
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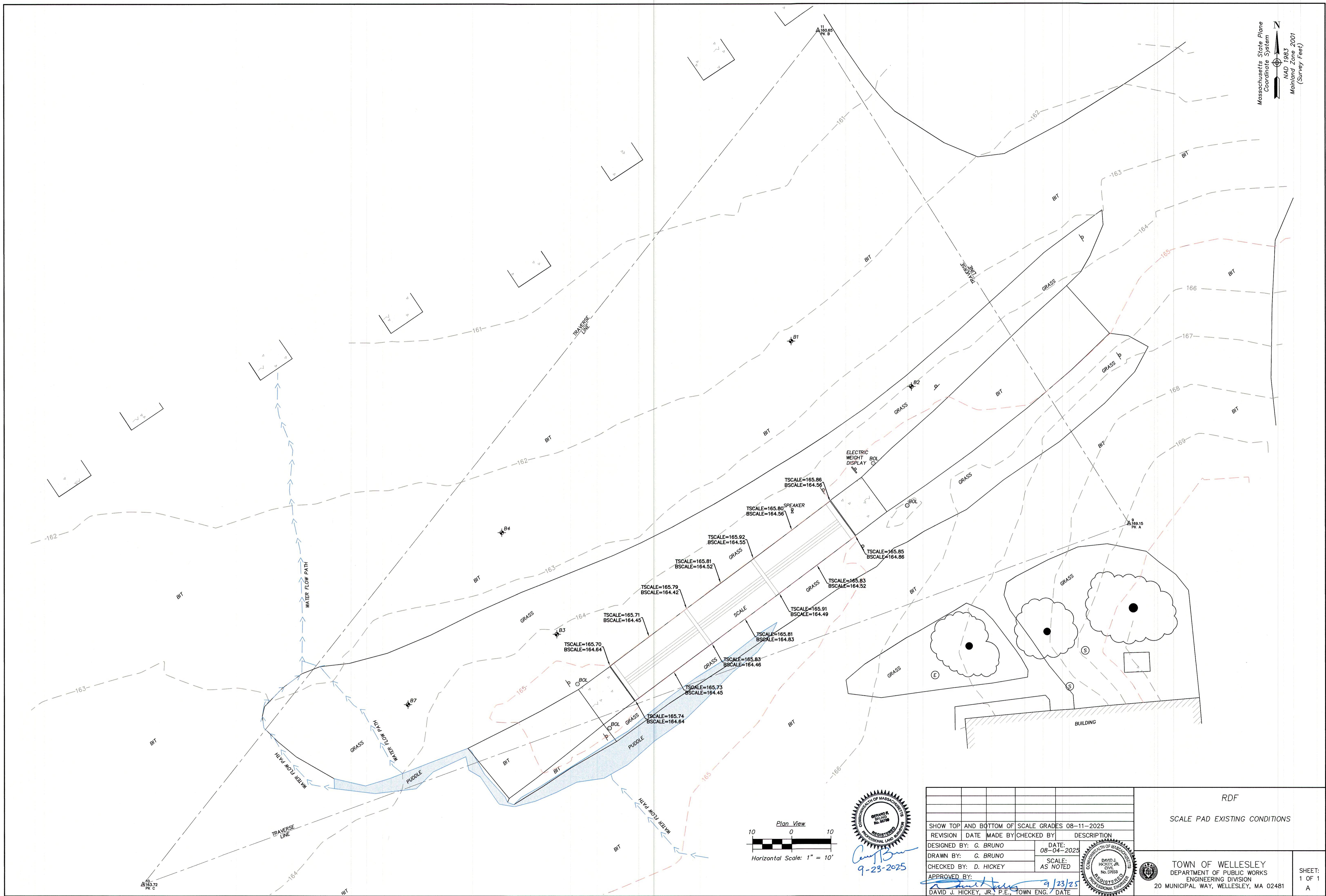
PM&C
COST ESTIMATING
20 DOWNER AVE, SUITE 5
HINGHAM, MA 02043
P: (781) 740-8007

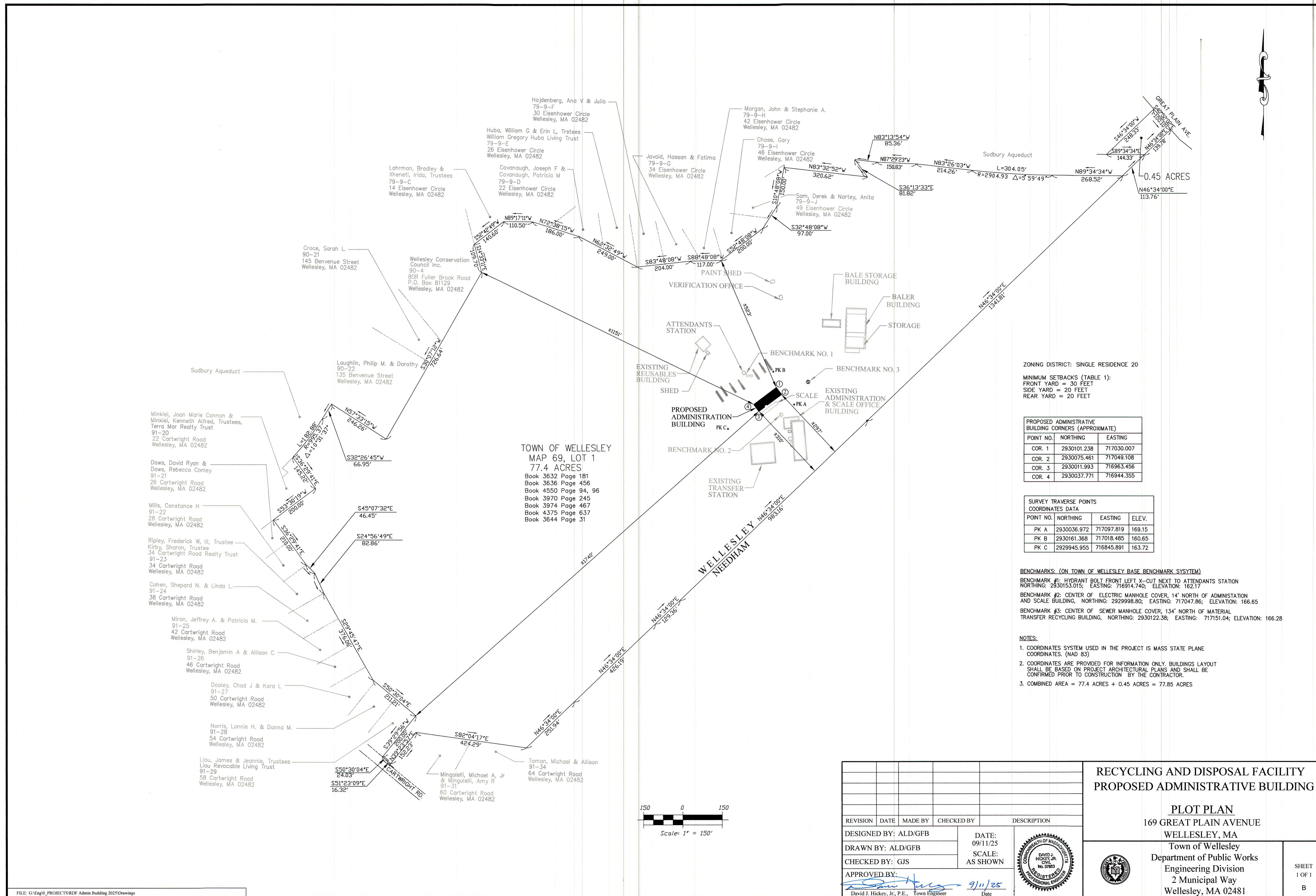
BLW
MEP/FP. ENGINEERS
311 GREAT ROAD
LITTLETON, MA 01460
P: (978) 486-9384

WILLIAM & SPARAGES
CIVIL ENGINEERS
189 NORTH MAIN STREET SUITE 101
MIDDLETON, MA 01949
P: (978) 539-8088

ZBA SITE PLAN REVIEW

09/09/2025





PLAN INDEX			
SHEET DESIGNATION	DRAWING	SHEET	
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UTILITY PLAN	C4-01	4	
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SITE PLAN SET PROPOSED DPW/RDF BUILDING 169 GREAT PLAIN AVENUE WELLESLEY, MA 02482

LEGEND OF SYMBOLS AND ABBREVIATIONS

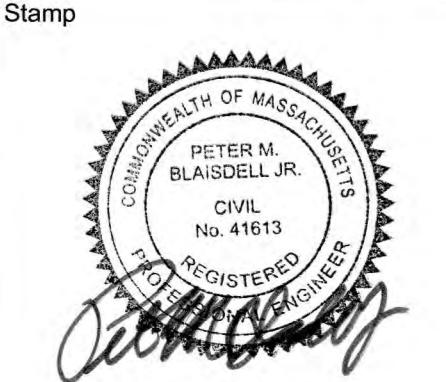
GAS GATE	gas	DRAIN MANHOLE	(D)	OVERHEAD POWER	— — — OHP — — —
MONITORING WELL	water well	TEL./ ELEC. MANHOLE	(T) (E)	TREE	•
FIRE HYDRANT	hydrant	SEWER MANHOLE	(S)	EXISTING CONTOUR	— — — 13 — — —
WATER GATE	water gate	CONC = CONCRETE		EDGE OF PAVEMENT	— — — EP — — —
CATCH BASIN	catch basin	SBDH = STONE BOUND DRILL HOLE		MASS HIGHWAY BOUND	MHB
		FND = FOUND			
UTILITY POLE	utility pole	WCR = WHEEL CHAIR RAMP		EDGE OF PAVEMENT	EP
LIGHT POLE	light pole	N/F = NOW OR FORMERLY		SLOPED GRANITE CURB	SGC
DH = DRILL HOLE		IROD = IRON ROD		VERTICAL GRANITE CURB	VGC
PROP = PROPOSED		MJ = MECHANICAL JOINT		WATER MAIN	— — — W — — —
PROP SPOT ELEVATION	+247.25	BIT = BITUMINOUS		NATURAL GAS MAIN	— — — G — — —
CB = CATCH BASIN		FLOW DIRECTION ARROW	➡	GUARDRAIL	□
DMH = DRAIN MANHOLE		INV = INVERT		PROPOSED CONTOUR	— — — 94 — — —
UP = UTILITY POLE		CLDI = CEMENT LINED DUCTILE IRON		CONC = CONCRETE	
C.O. = CLEAN OUT		C.V. = CHECK VALVE			

CLIENT NAME

Exact Title

**WELLESLEY
DPW/RDF
ADMINISTRATION
BUILDING**

Socotec Project Number
AE234571.2



Drawing

LOCATION PLAN 9 GREAT PLAIN AVENUE

Submission

Date AUGUST 27, 2025

Drawing Scale:

0' 100' 200' 400'

Drawn By: _____ Project Manager: _____

Drawn By: Project Manager:
PMB **MFD**

Drawing Number: _____

C1 01

C-1-01

PROJECT NOTES:

1. TOPOGRAPHIC INFORMATION SHOWN IS THE RESULT OF COMPILED PLANS PROVIDED BY THE TOWN OF WELLESLEY DEPARTMENT OF PUBLIC WORKS (DPW).
2. ALL ELEVATIONS REFER TO THE TOWN OF WELLESLEY BASE BENCHMARK SYSTEM
3. A PORTION OF PROPERTY LIES WITHIN A ZONE A (NO BASE FLOOD ELEVATION ESTABLISHED) AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 25021C0017E, EFFECTIVE DATE: JULY 17, 2012.
4. WETLANDS DELINEATED BY OTHERS.
5. THERE ARE NO PROPOSED WETLAND ALTERATIONS ASSOCIATED WITH THIS PROJECT.
6. EXISTING UTILITIES SHOWN ARE THE RESULT OF AN ACTUAL INSTRUMENT SURVEY PERFORMED BY THE TOWN OF WELLESLEY DPW. NO REPRESENTATION OR WARRANTY IS MADE REGARDING THE ACCURACY OF THE LOCATION OR PRESENCE OF SUBSURFACE UTILITIES AND THOSE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE.
7. ALL UTILITIES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION AND SHALL NOTIFY THE OWNER'S REPRESENTATIVE IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN THAT WILL PREVENT THE PROPOSED WORK FROM BEING COMPLETED AS INTENDED.
8. IF DURING CONSTRUCTION A CONFLICT SHOULD ARISE BETWEEN AN EXISTING UTILITY AND PROPOSED WORK THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING FOR RESOLUTION OF THE CONFLICT.
9. CONTRACTOR TO CALL DIGSAFE PRIOR TO CONSTRUCTION (411), TO UPDATE TICKET AND/OR VERIFY TICKET VALIDATION. DIGSAFE TICKET IS VALID 30 DAYS FROM THE DATE OF ISSUE. BEYOND THIS POINT, TICKETS ARE VALID INDEFINITELY, PROVIDED THAT 1) THE MARKS ARE MAINTAINED, AND 2) THE WORK IS CONTINUOUS.
10. THE PROPOSED WATER CONNECTION SIZE, TYPE & LOCATION ARE TO BE DESIGNED IN ACCORDANCE WITH 248 CMR 10.00: UNIFORM STATE PLUMBING CODE.
11. ALL PROPOSED DRAIN PIPES ARE TO BE HDPE OR APPROVED EQUIVALENT UNLESS OTHERWISE SPECIFIED.
12. THE INSTALLATION OF DRAINAGE STRUCTURES, ESPECIALLY THE HDPE PIPE AND UNDERGROUND DETENTION SYSTEM, SHALL ADHERE STRICTLY TO THE MANUFACTURERS INSTALLATION REQUIREMENTS TO MEET AASHTO LOADING REQUIREMENTS.
13. WHEREVER FEASIBLE, SEWERS WILL BE LAID AT A MINIMUM OF 10 FEET, HORIZONTALLY, FROM ANY EXISTING OR PROPOSED WATER MAIN. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET TO A WATER MAIN THE SEWER MAIN WILL BE LAID IN A SEPARATE TRENCH AND THE ELEVATION OF THE CROWN OF THE SEWER PLACED AT LEAST 18 INCHES BELOW THE INVERT OF THE WATER MAIN. WHENEVER SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER SHALL BE LAID AT SUCH AN ELEVATION THAT THE CROWN OF THE SEWER IS AT LEAST 18 INCHES BELOW THE WATER MAIN. WHEN IT IS IMPOSSIBLE TO OBTAIN HORIZONTAL OR VERTICAL SEPARATION AS STIPULATED ABOVE, BOTH THE WATER MAIN AND SEWER SHOULD BE ENCASED IN CONCRETE FOR 10 FEET EITHER SIDE OF THE CROSSING.
14. THE APPLICANT SHALL COORDINATE WITH THE WELLESLEY WATER & SEWER DIVISION TO ENSURE PROPER DOMESTIC AND FIRE FLOWS PRIOR TO BUILDING PERMIT.
15. EXISTING CATCH BASINS TO BE FITTED WITH SILT SACK OR APPROVED EQUAL WHEN INSTALLED AND REMOVED AFTER FINAL PAVEMENT COURSE IS LAID IF REQUIRED BY THE TOWN.
16. ALL PROPOSED ELECTRICAL CONNECTIONS SHALL BE UNDERGROUND.



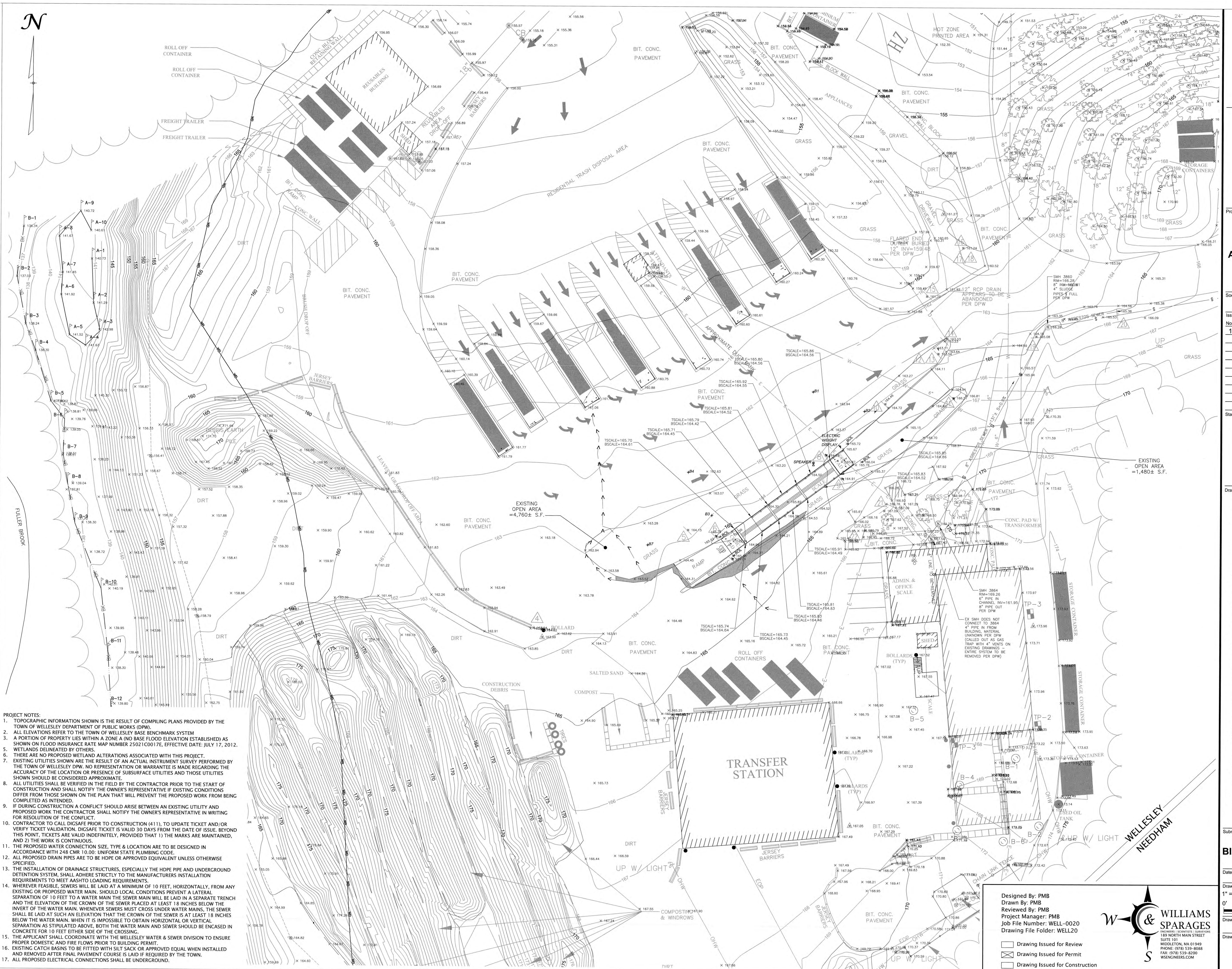
Designed By: PMB
Drawn By: PMB
Reviewed By: PMB
Project Manager: PMB
Job File Number: WELL-0020
Drawing File Folder: WELL20

The logo for Williams Sparages is a stylized 'W' and 'S' intertwined with a central ampersand (&). The 'W' is on the left, the 'S' is on the right, and the ampersand is positioned between them. The entire logo is rendered in black and white.

**WILLIAMS
SPARAGES**

ENGINEERS | SCIENTISTS | SURVEYORS
189 NORTH MAIN STREET
SUITE 101
MIDDLETON, MA 01949
PHONE: (978) 539-8088
FAX: (978) 539-8200
WSENGINEERS.COM

C1-01





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75 HOOD PARK DRIVE
CHARLESTON, MA 02129
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CLIENT NAME
TOWN OF WELLESLEY
20 MUNICIPAL WAY,
WELLESLEY MA 02481

Project Title

**WELLESLEY
DPW/RDF
ADMINISTRATION
BUILDING**

Socotec Project Number
AE234571.2

Issue No. Description Date
1 XX **xx/xx/xxxx**

Stamp

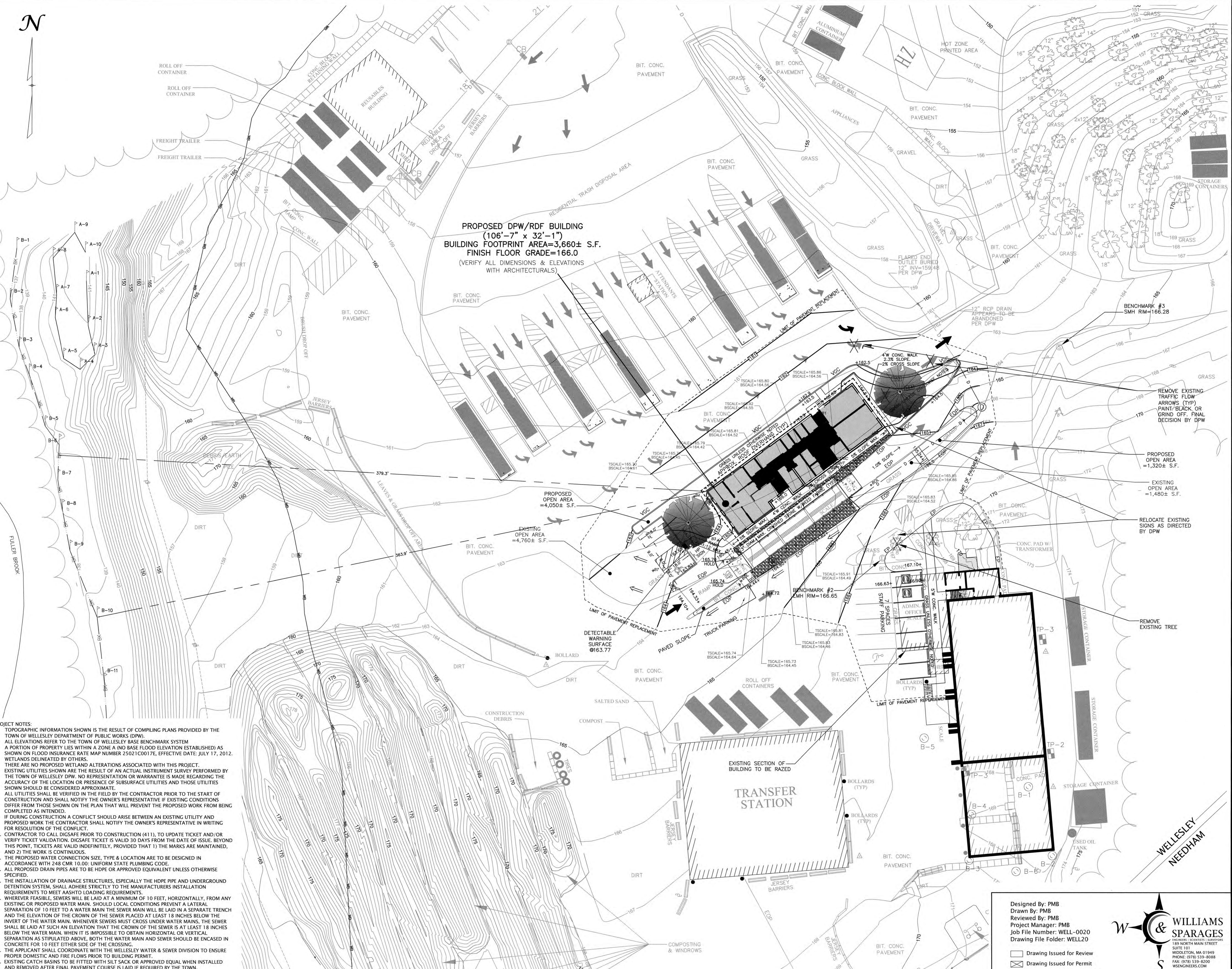


Drawing Title

SITE PLAN

169 GREAT PLAIN AVENUE

ASSESSORS PROPERTY ID: 69-1

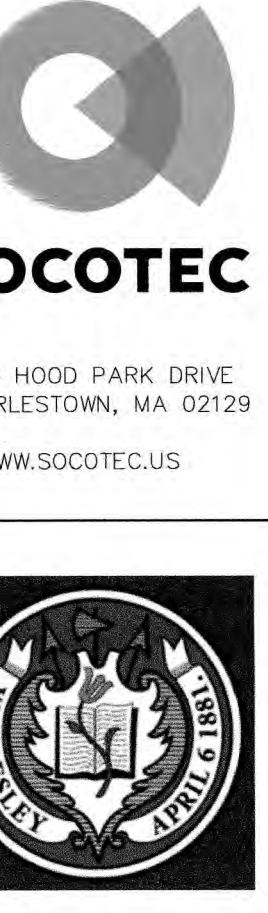


Designed By: PMB
Drawn By: PMB
Reviewed By: PMB
Project Manager: PMB
Job File Number: WELL-0020
Drawing File Folder: WELL20

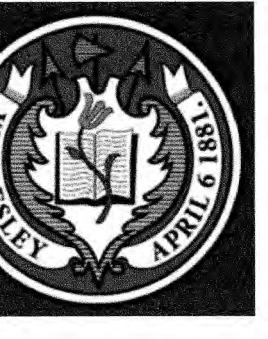
Drawing Issued for Review
Drawing Issued for Permit
Drawing Issued for Construction

W & S WILLIAMS SPARAGES
MONTEBELLO, ALEXANDER, SPARAGES
189 NORTH MAIN STREET
MIDDLETON, MA 01949
PHONE: (978) 539-8088
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WSENGINEERS.COM

C3-01



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WELLESLEY MA 02481

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**WELLESLEY
DPW/RDF
ADMINISTRATION
BUILDING**

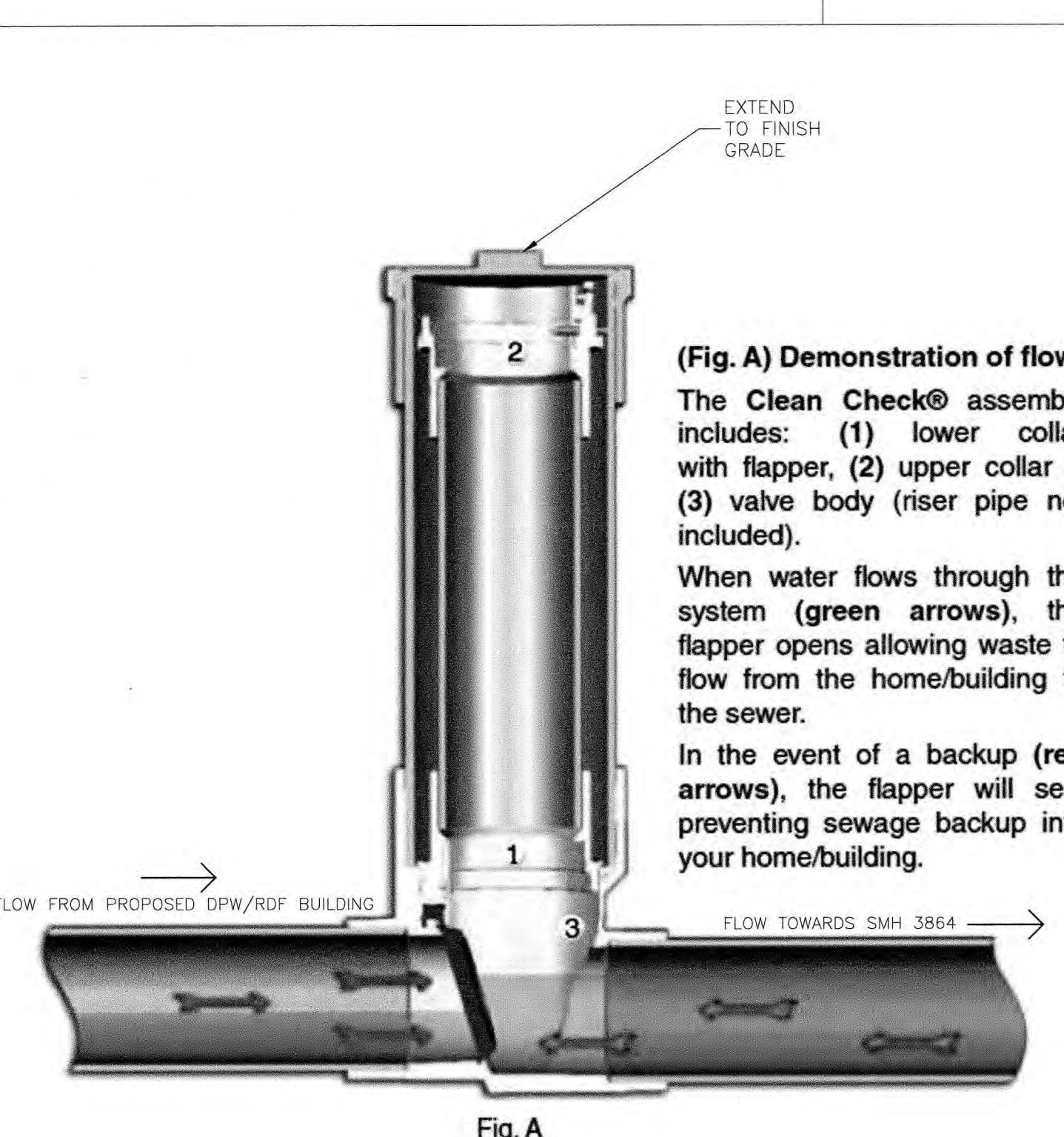
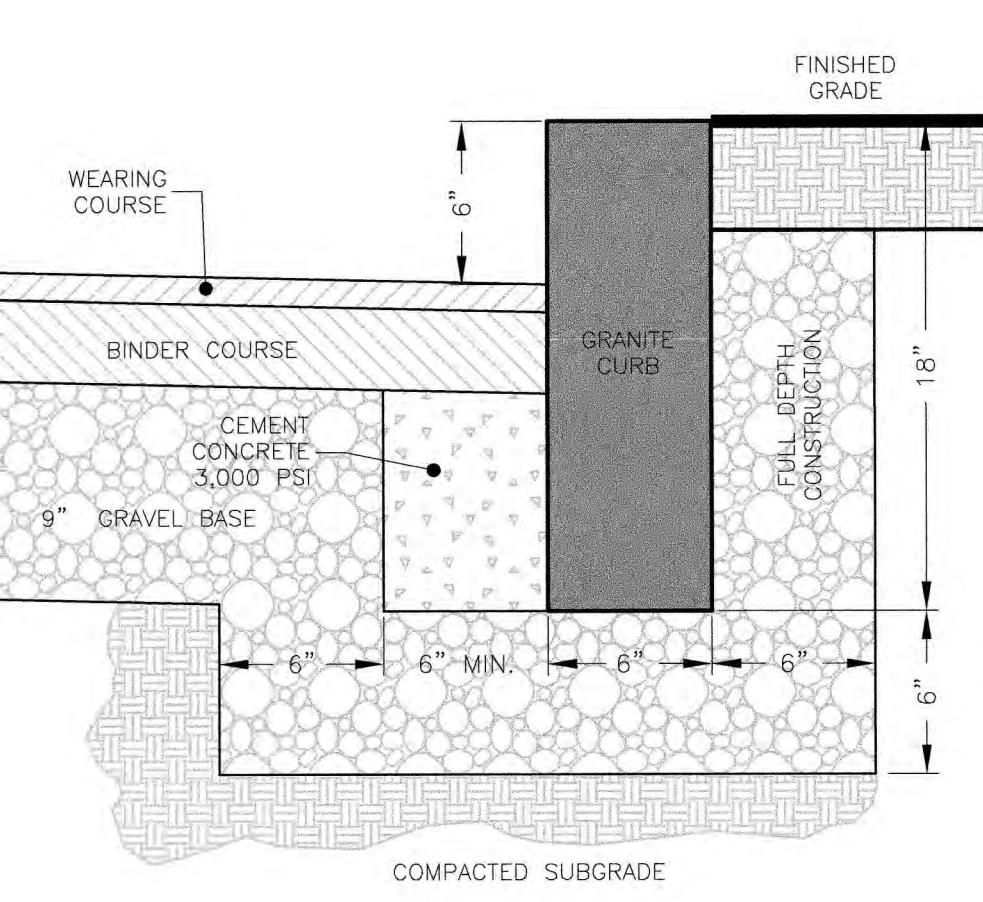
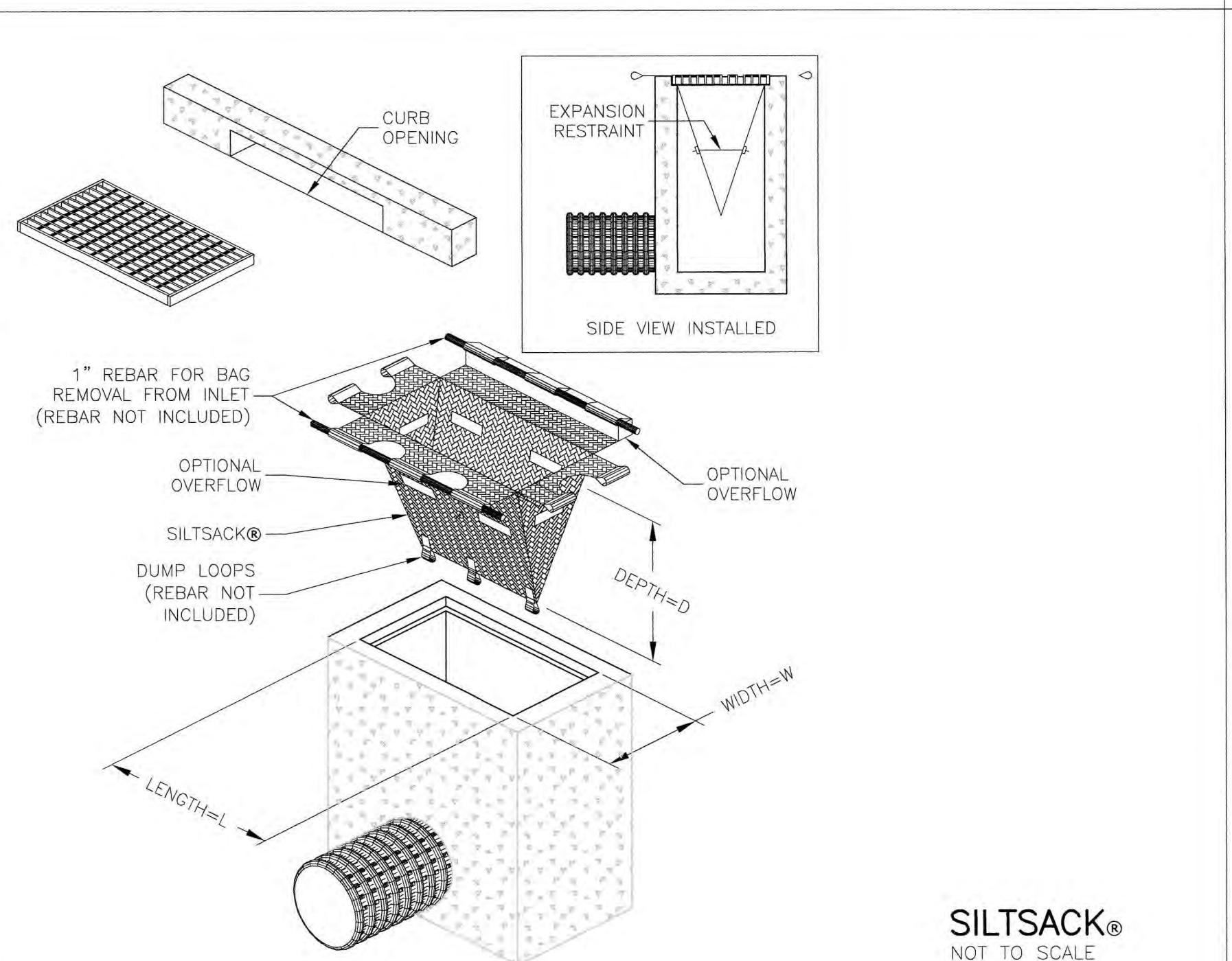
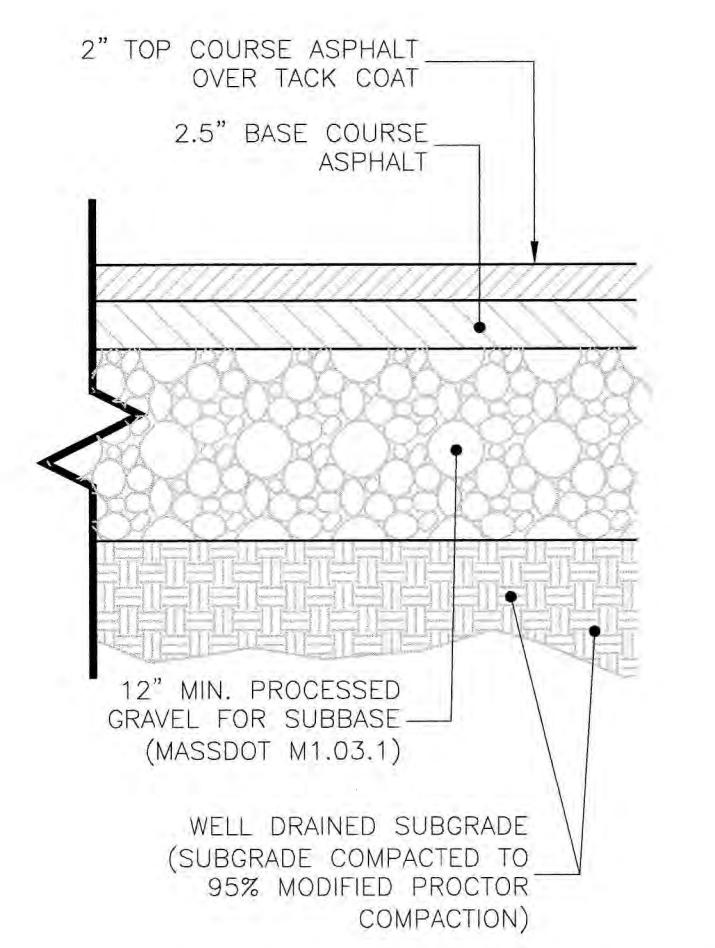
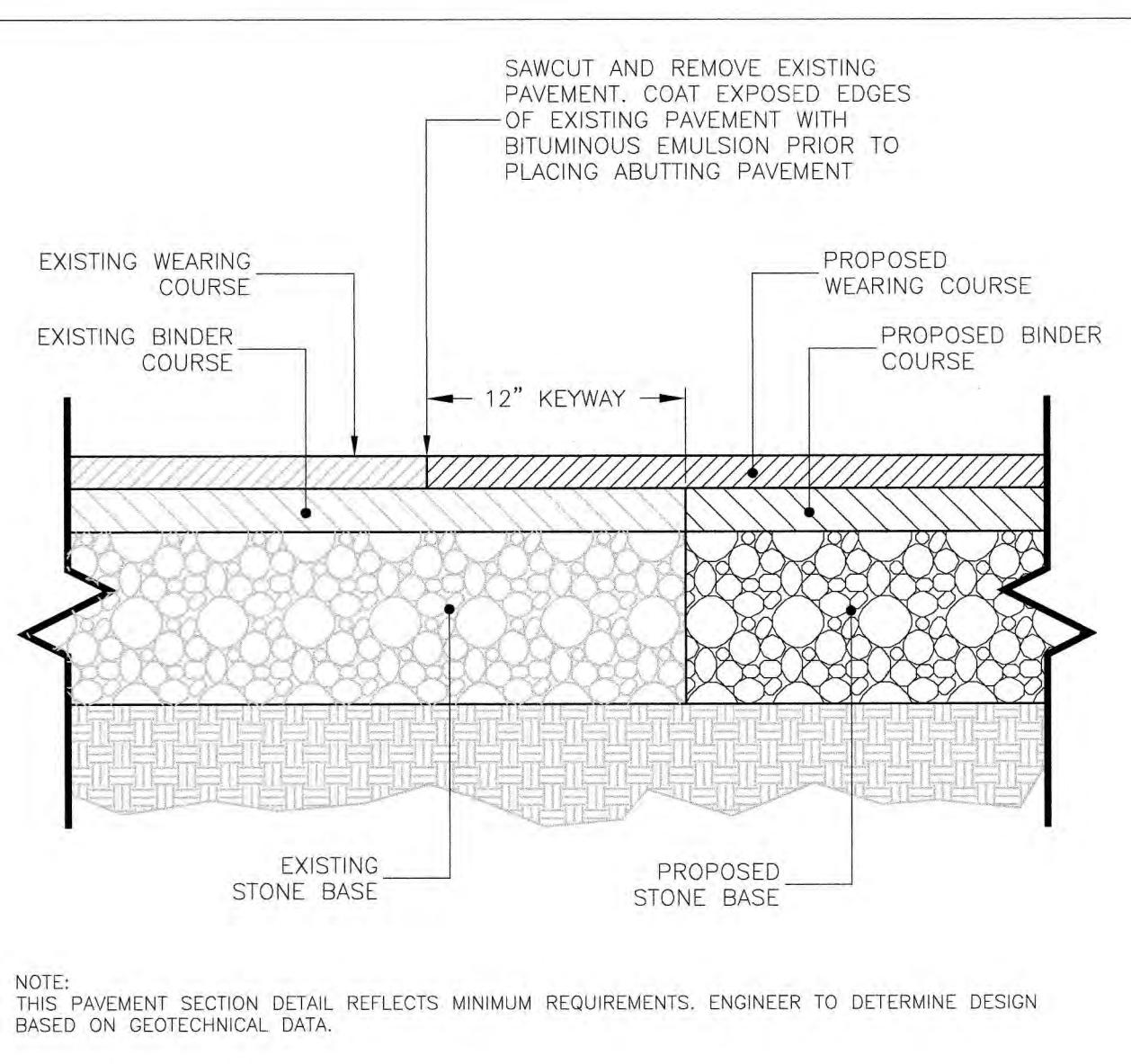
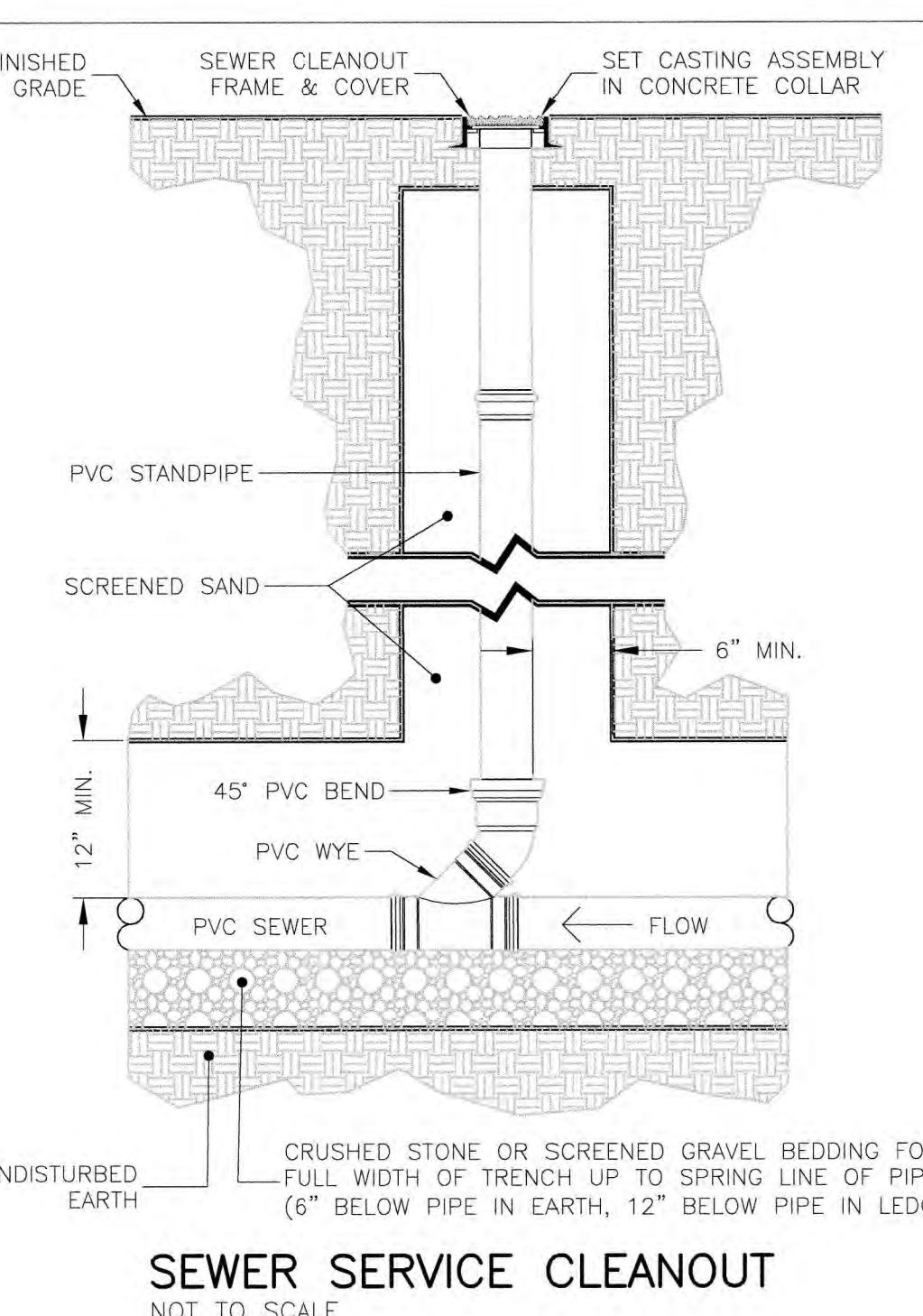
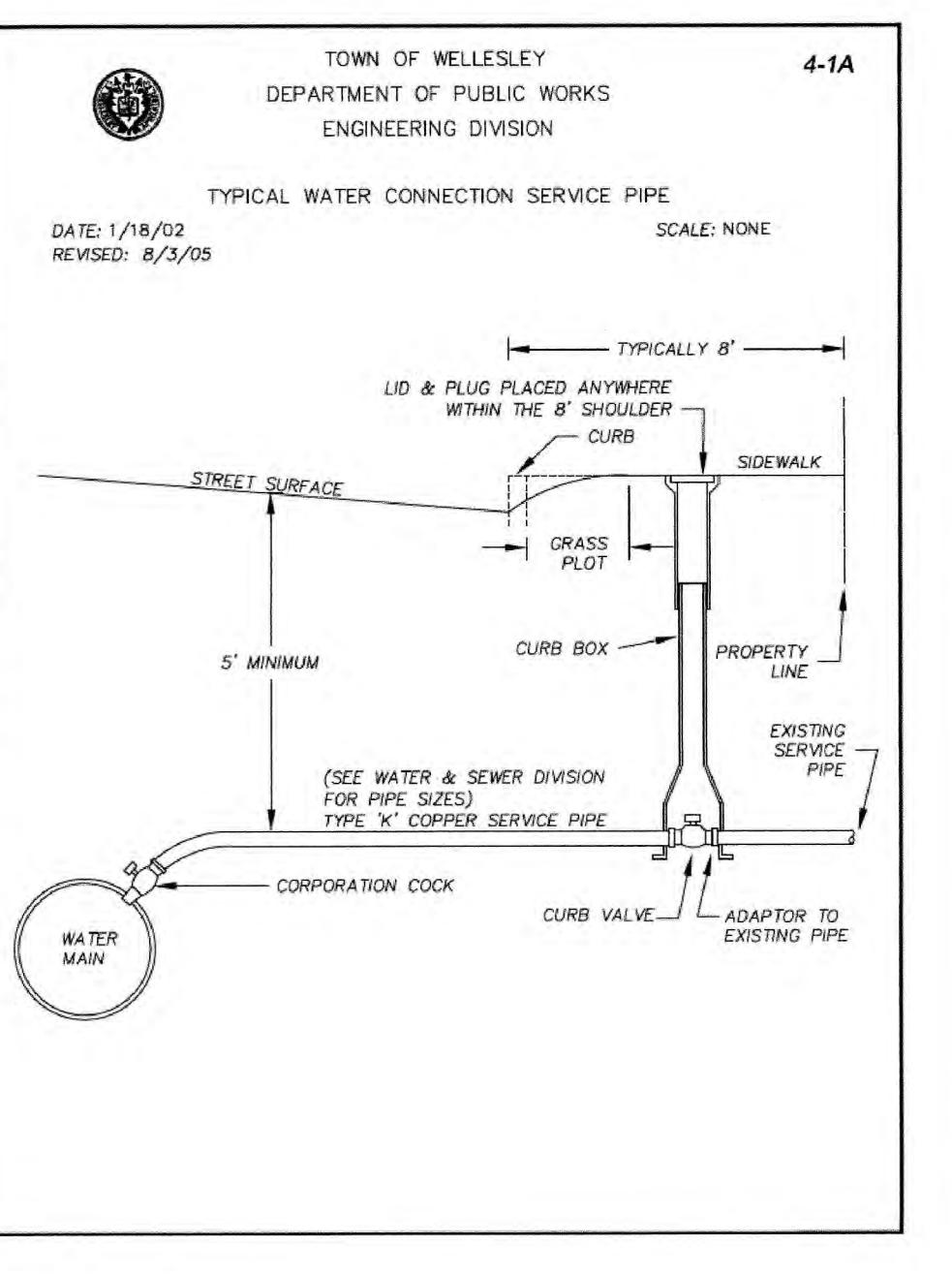
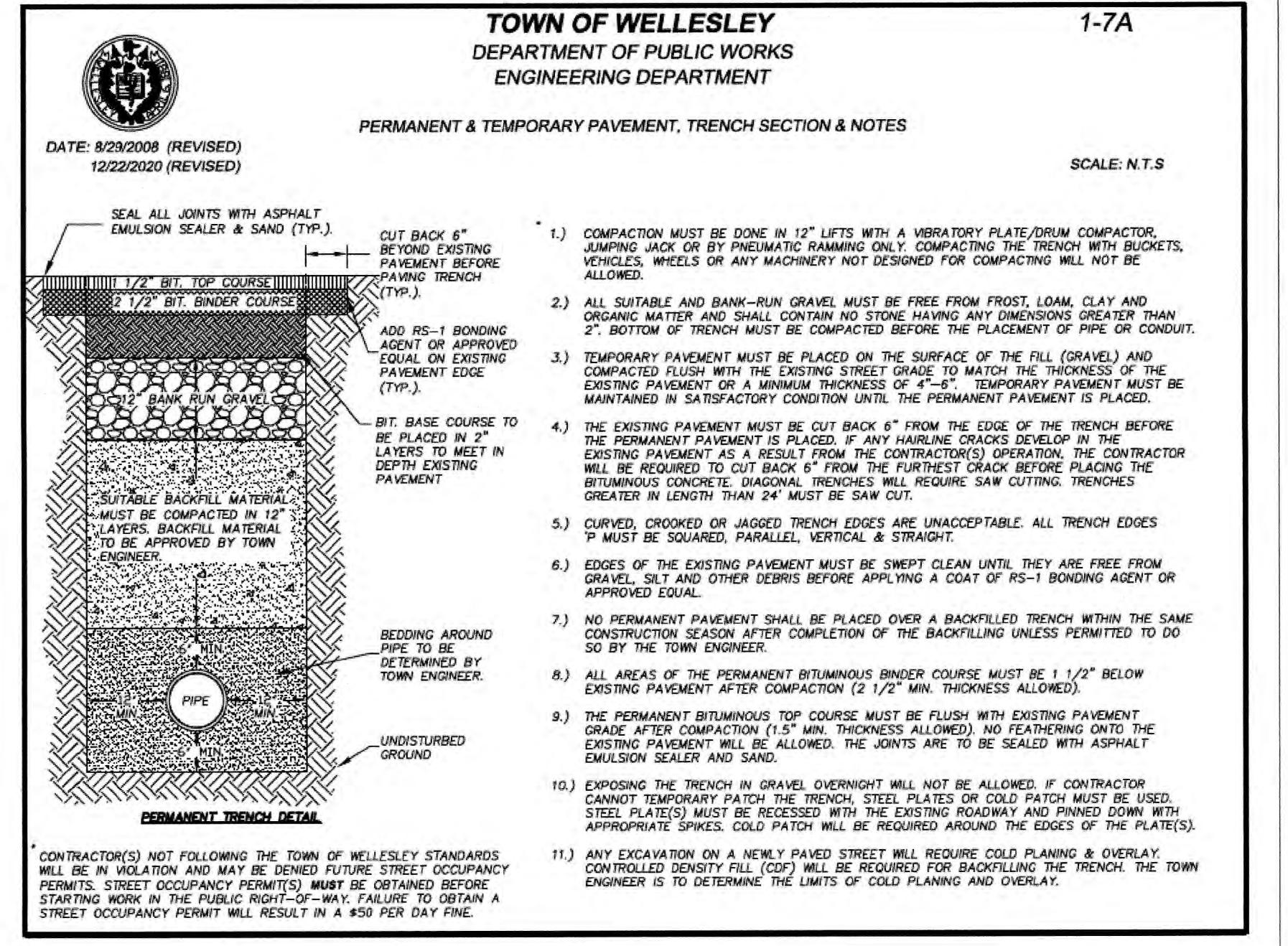
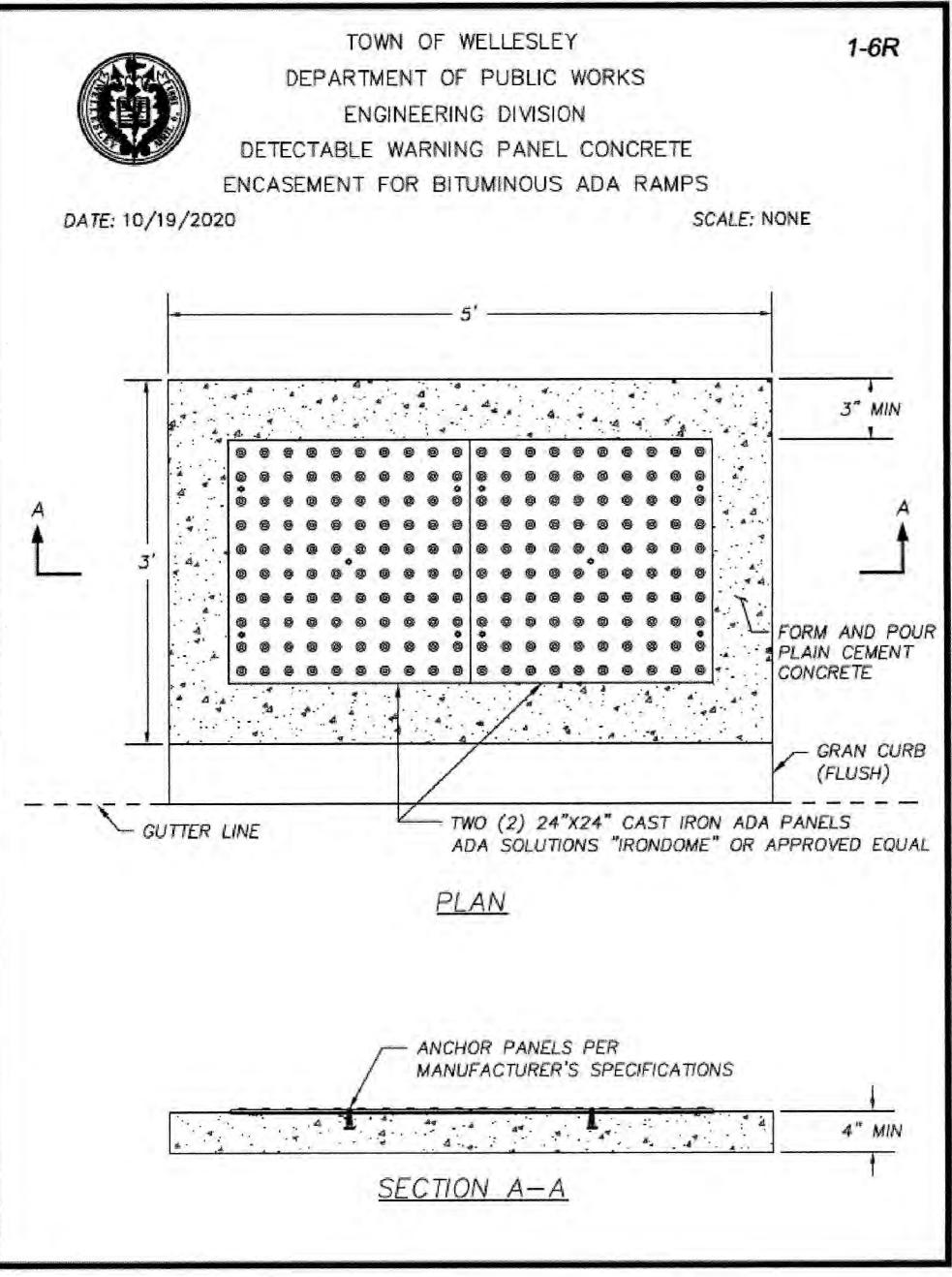
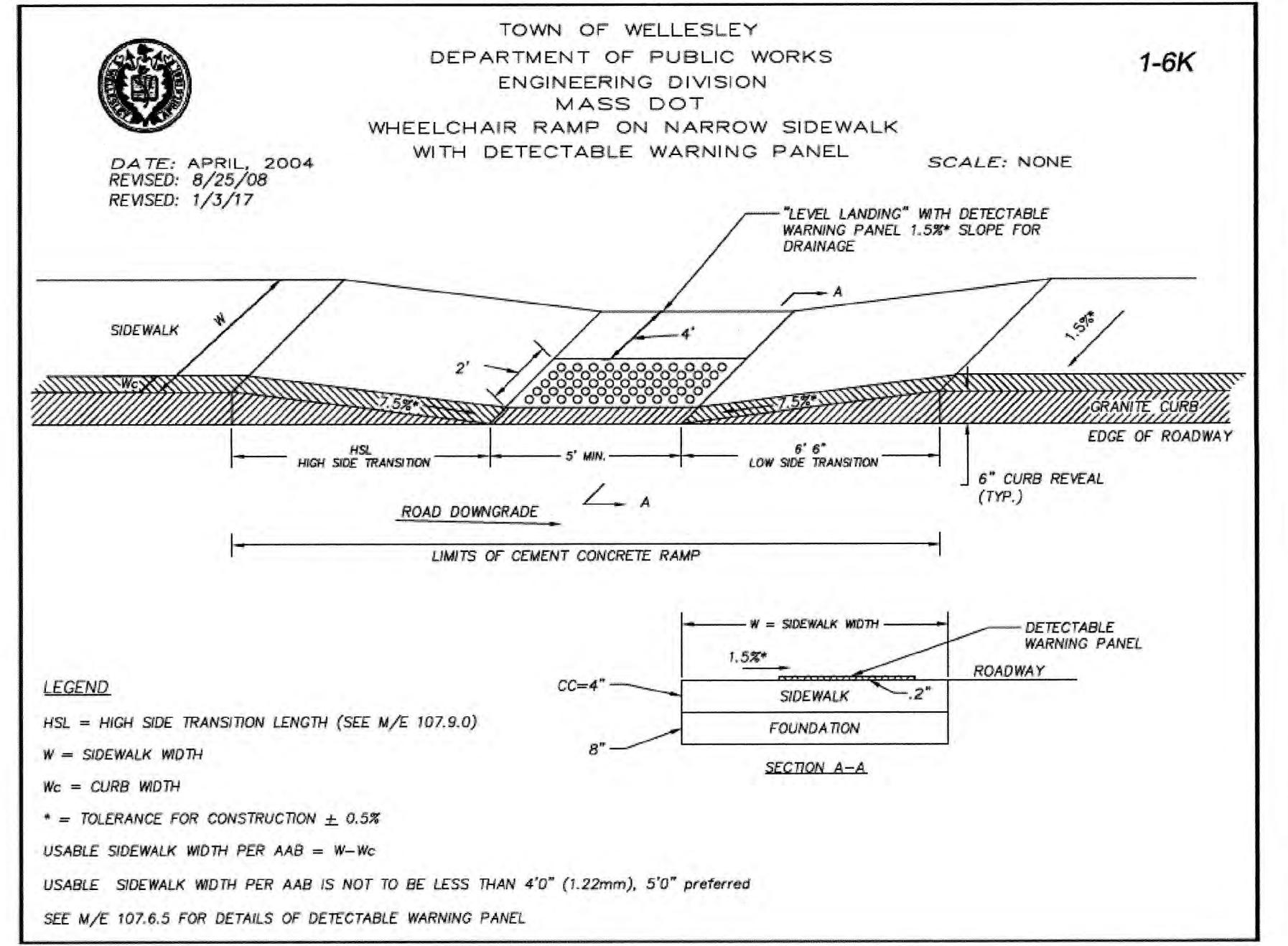
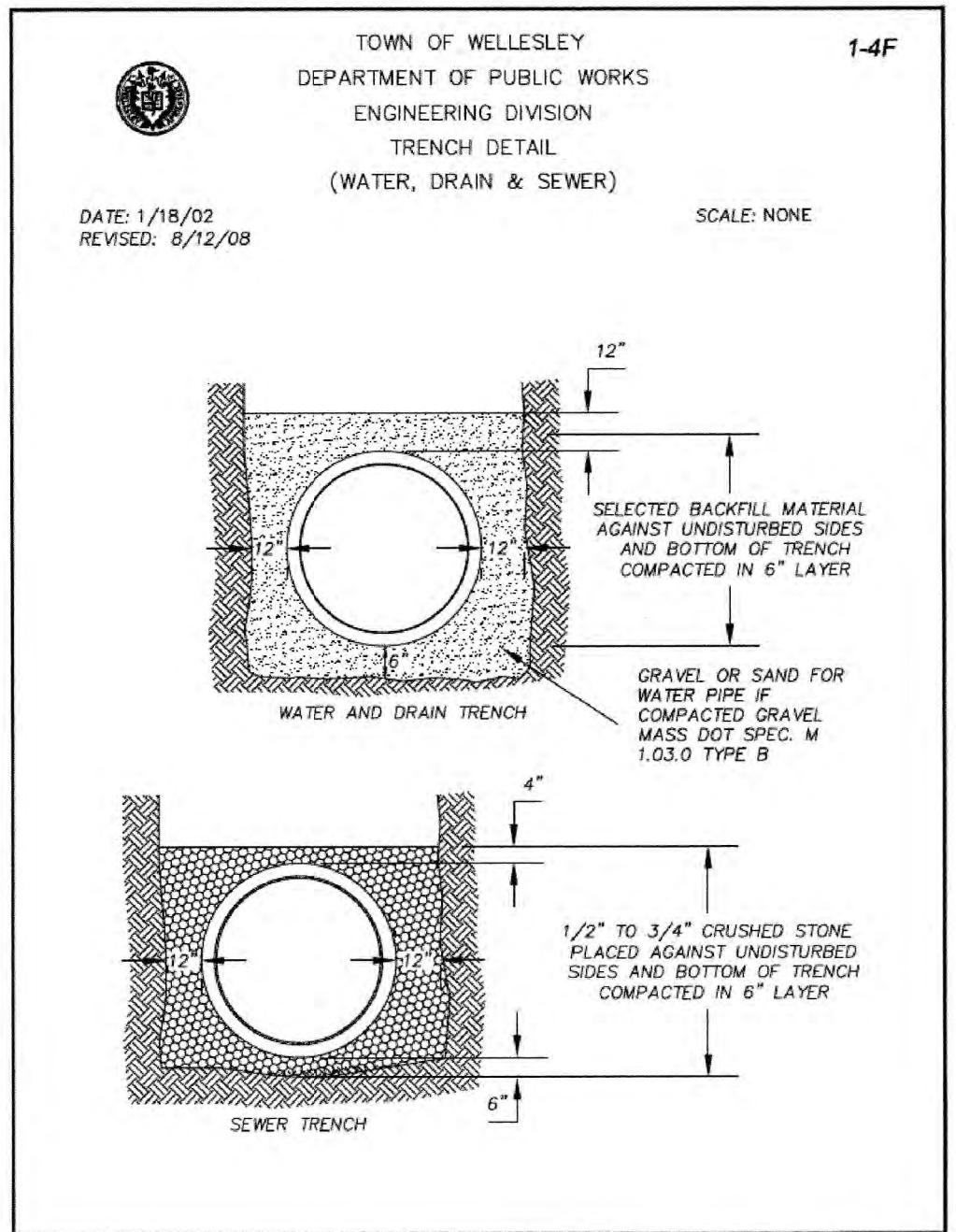
Socotec Project Number
AE234571.2

Issuance
No. Description Date
1 XX xx/xx/xxxx

Stamp

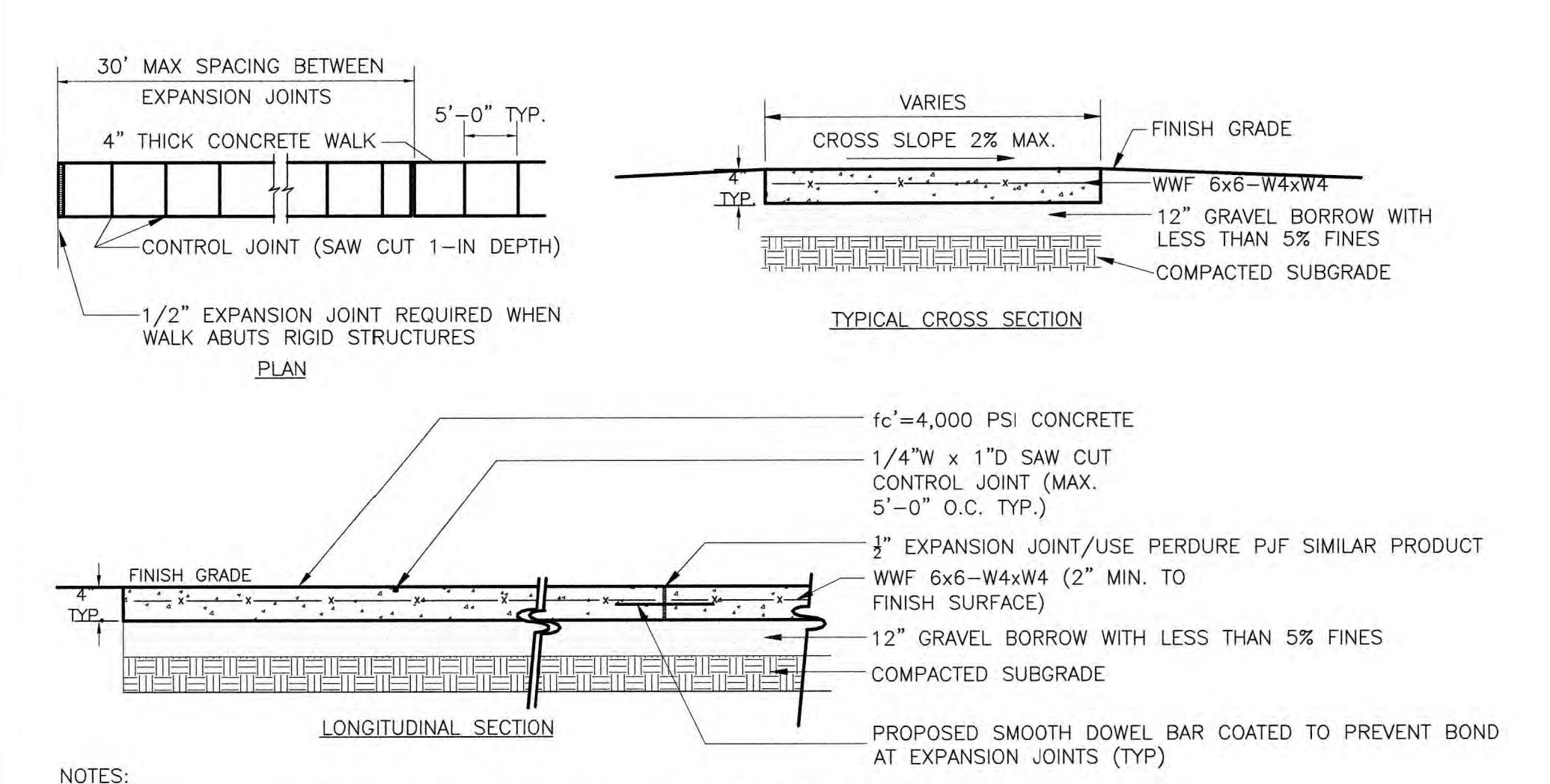

Drawing Title

**CONSTRUCTION DETAILS
169 GREAT PLAIN AVENUE
ASSESSORS PROPERTY ID: 69-1**

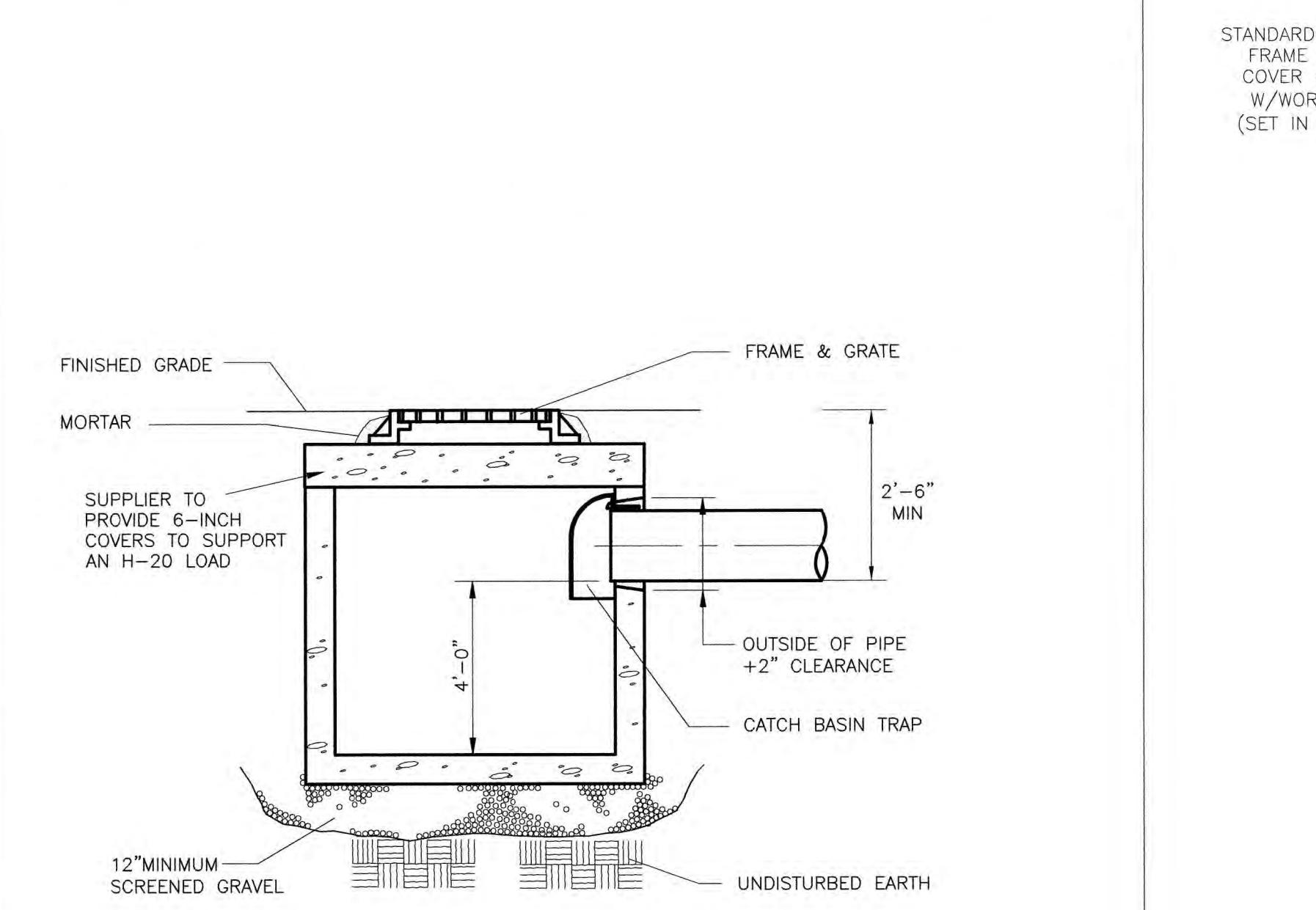


RECTORSEAL 6" CLEAN CHECK EXTENDABLE
BACKWATER VALVE
NOT TO SCALE

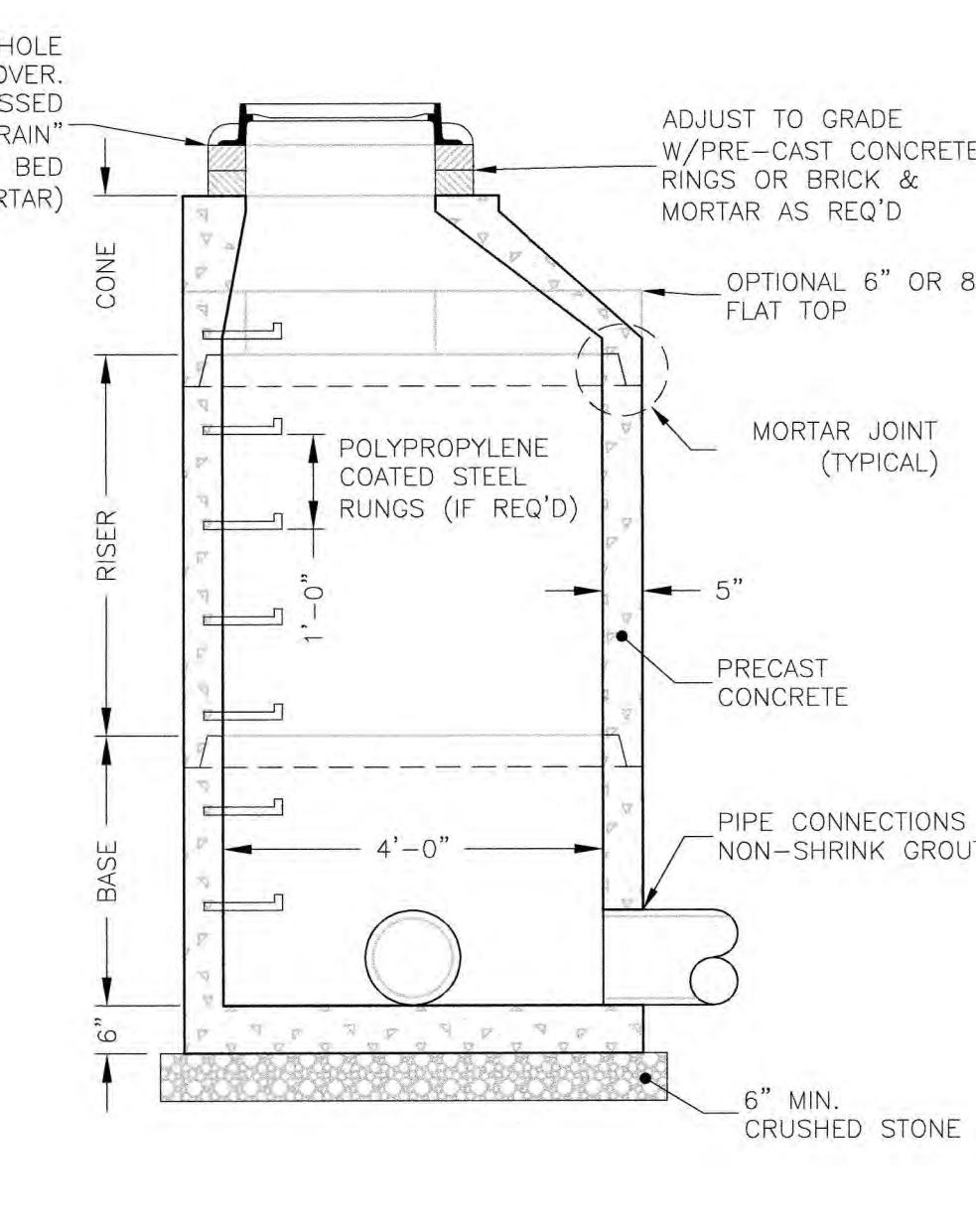
NOTE:
MODEL SHOWN MAY BE SUBSTITUTED WITH A SUITABLE EQUIVALENT APPROVED BY THE DESIGN ENGINEER



CONCRETE WALKWAY DETAIL
NOT TO SCALE



PRECAST SHALLOW CATCH BASIN
NOT TO SCALE



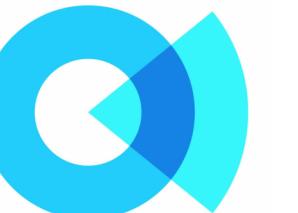
PRECAST DRAIN MANHOLE
NOT TO SCALE

Designed By: PMB
Drawn By: PMB
Reviewed By: PMB
Project Manager: PMB
Job File Number: WELL-0020
Drawing File Folder: WELL20

- Drawing Issued for Review
- Drawing Issued for Permit
- Drawing Issued for Construction



C5-01



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CHARLESTOWN, MA 02129

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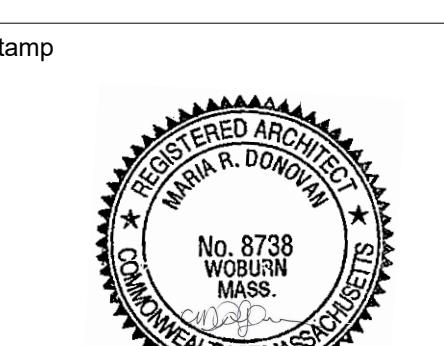


Town of Wellesley

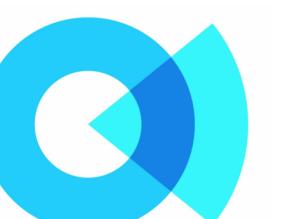
169 Great Plain Ave, Wellesley,
MA

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Wellesley DPW/RDF Administration Building

Socotec Project Number
AE234571.2Issuance
No. 1 Addendum 1 Date 9/9/2025

Stamp



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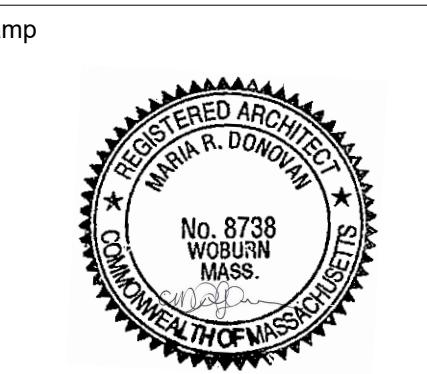
Town of Wellesley
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AE234571.2

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No. Description Date
1 Addendum 1 9/9/2025



Drawing Title

ROOF PLAN

Submission

BID SET

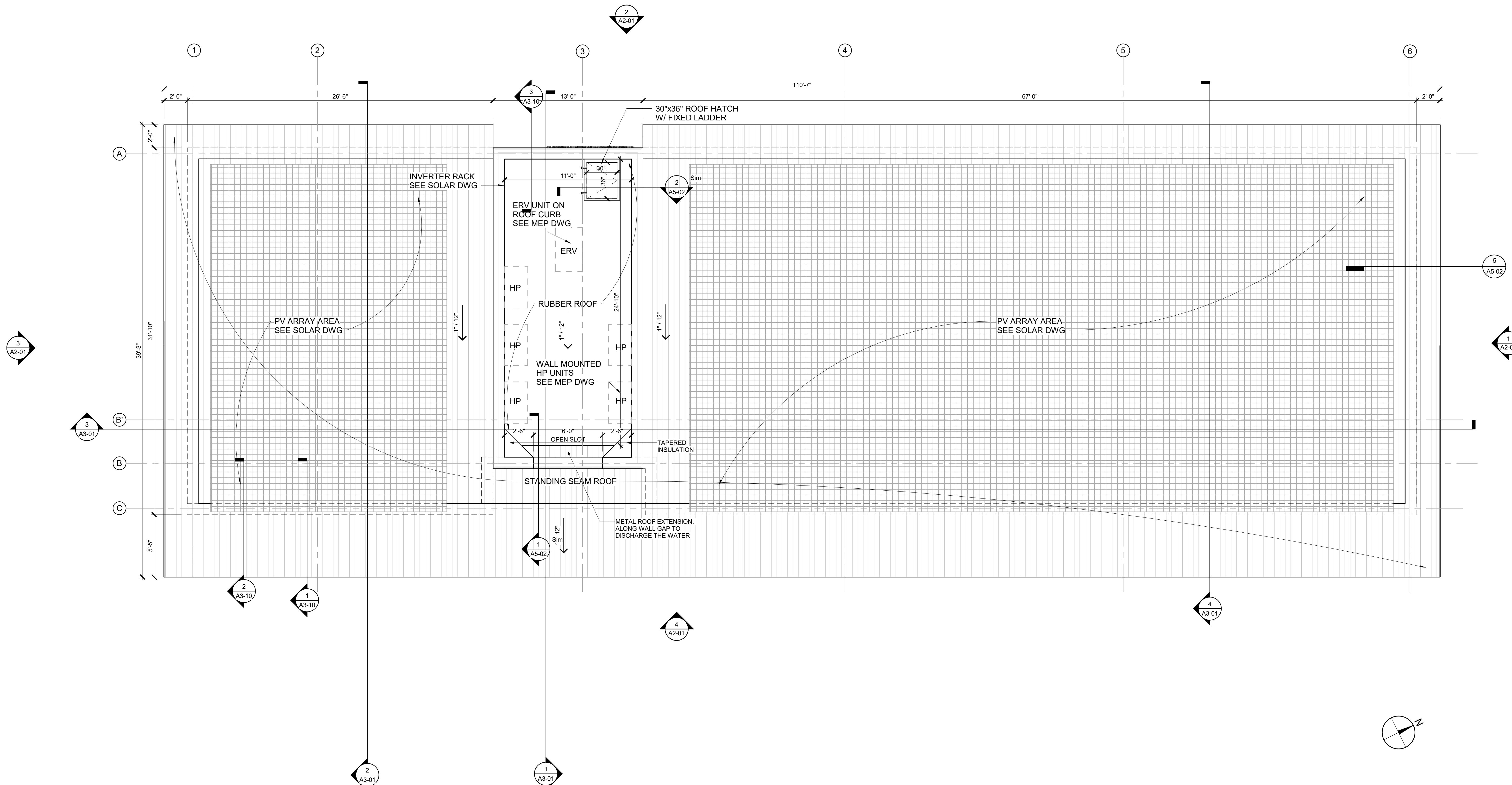
Date 08/27/2025

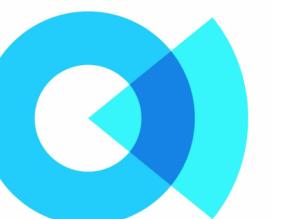
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Drawn By: Project Manager:
Author Checker

Drawing Number:

A1-02





75 HOOD PARK DRIVE
CHARLESTOWN, MA 02129
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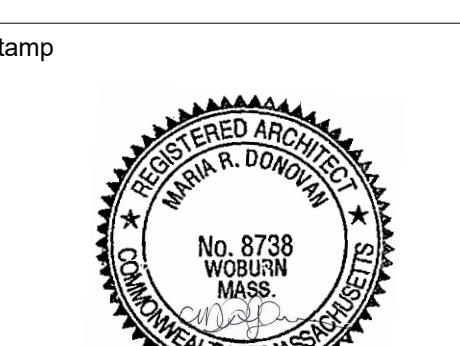


Town of Wellesley
169 Great Plain Ave, Wellesley,
MA

Project Title
**Wellesley
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Administration
Building**

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Issuance
No. Description Date
1 Addendum 1 9/9/2025



Drawing Title

BUILDING SECTIONS

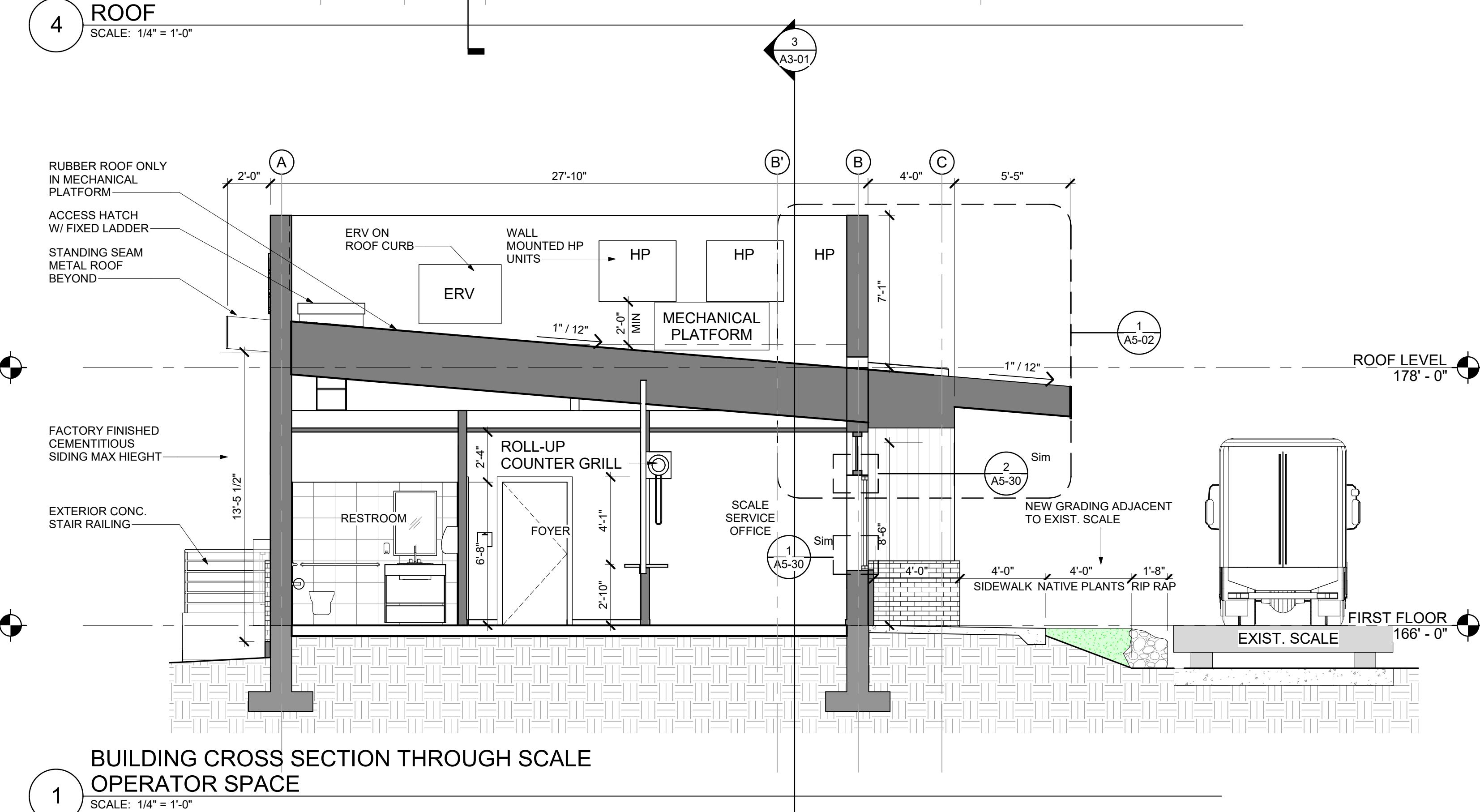
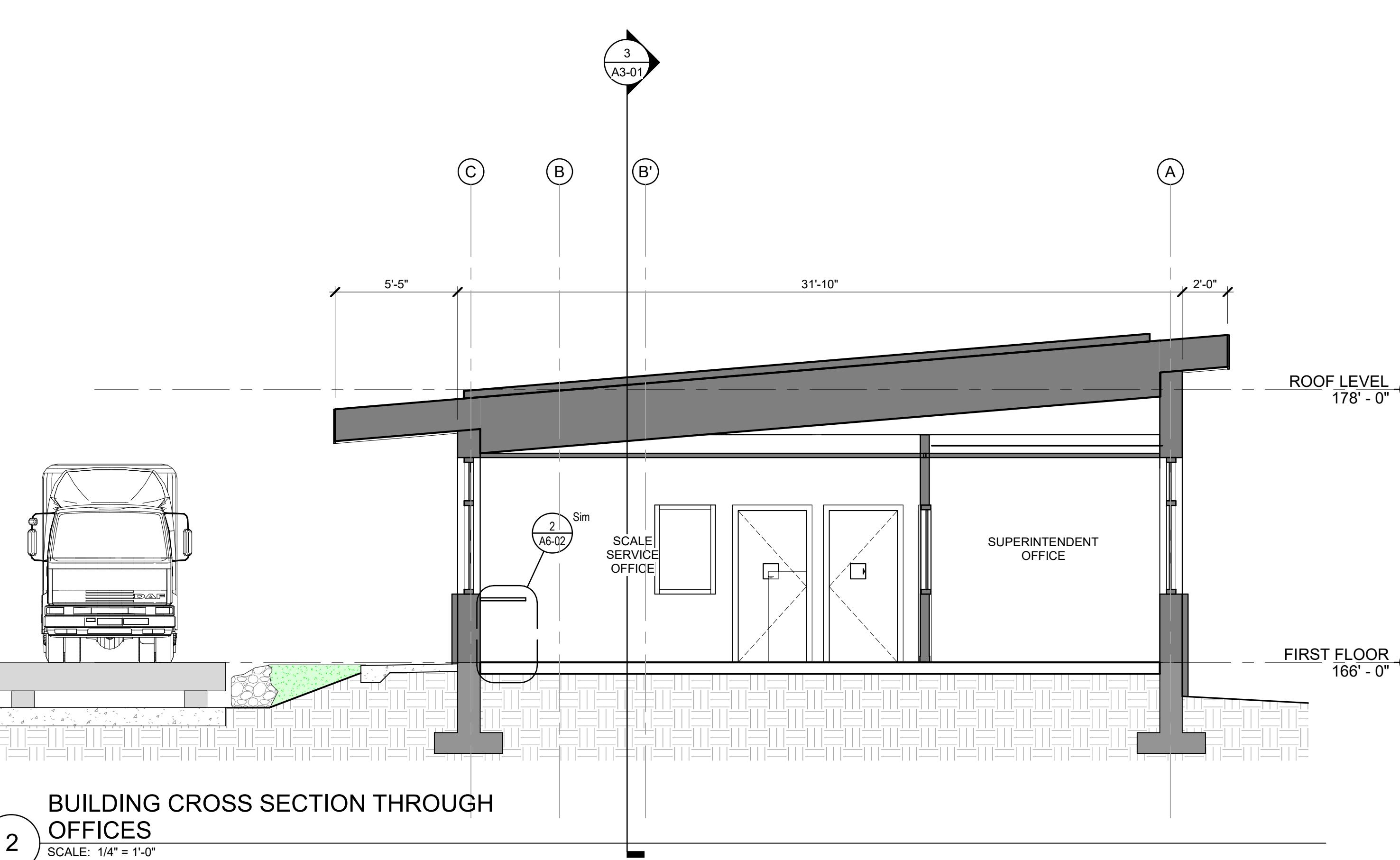
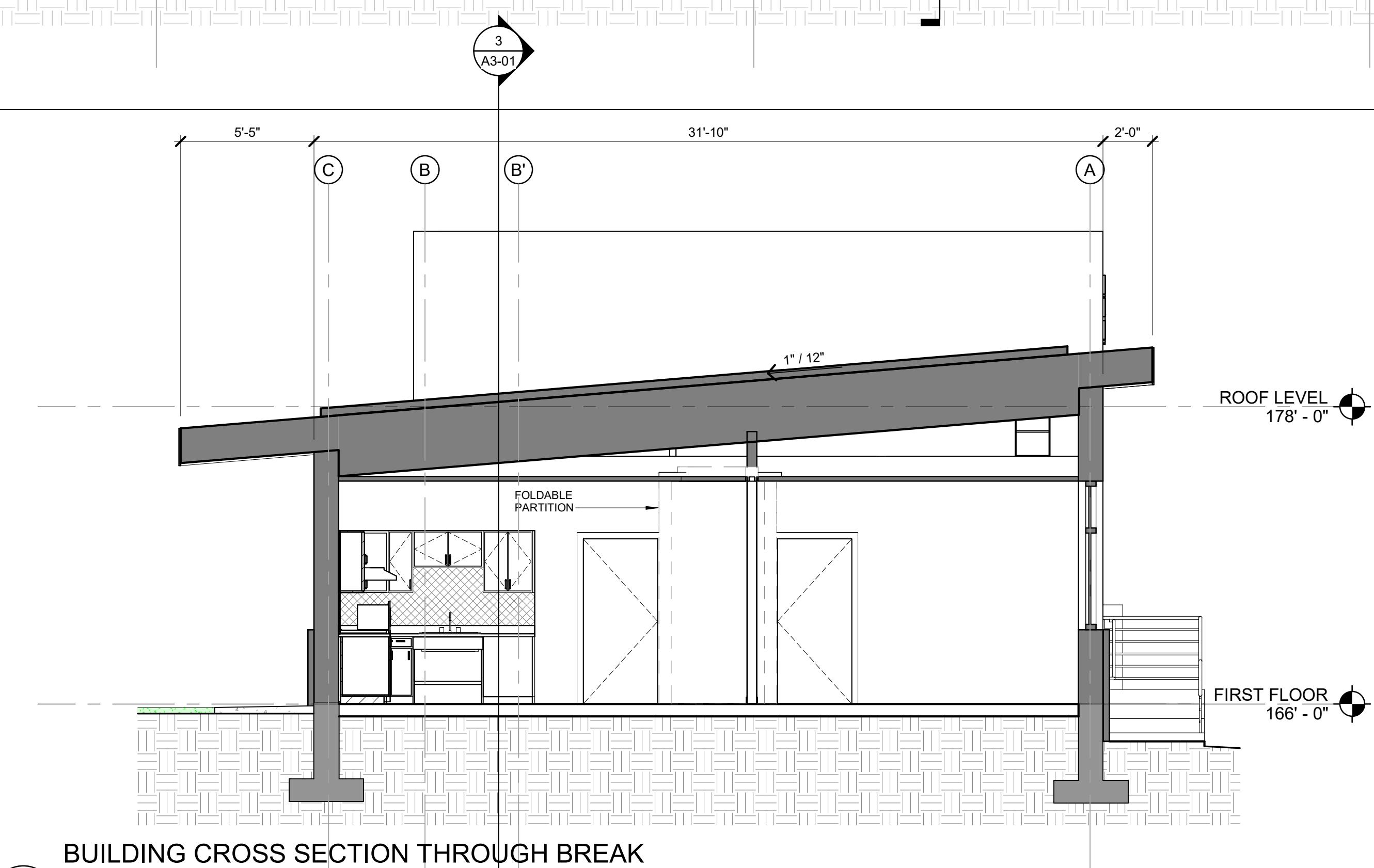
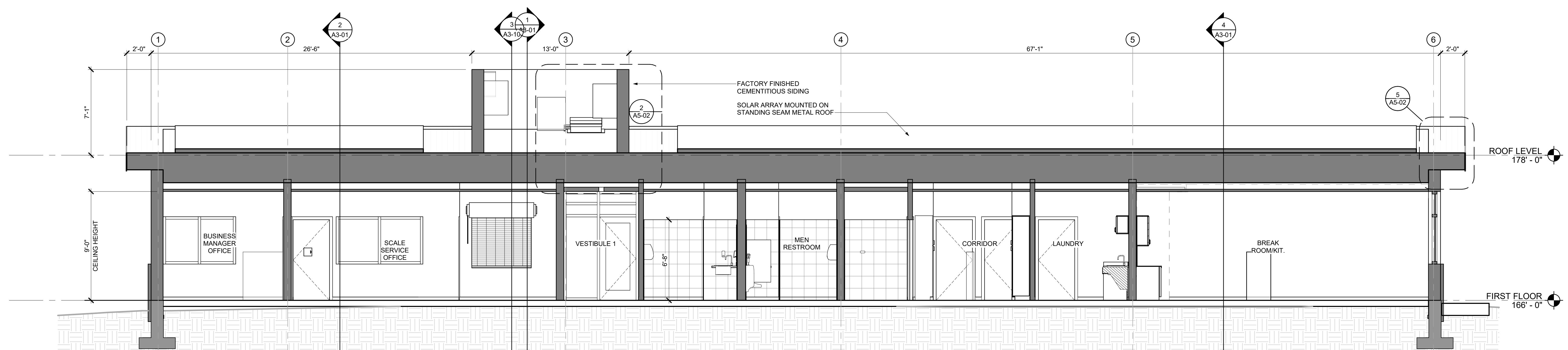
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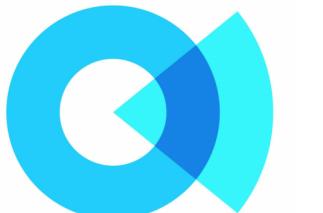
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Date 08/27/2025
Drawing Scale: 1/4" = 1'-0"

Drawn By: Project Manager:
Author Checker
Drawing Number:

A3-01





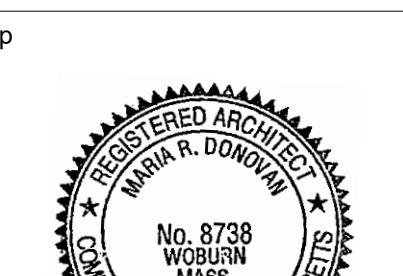
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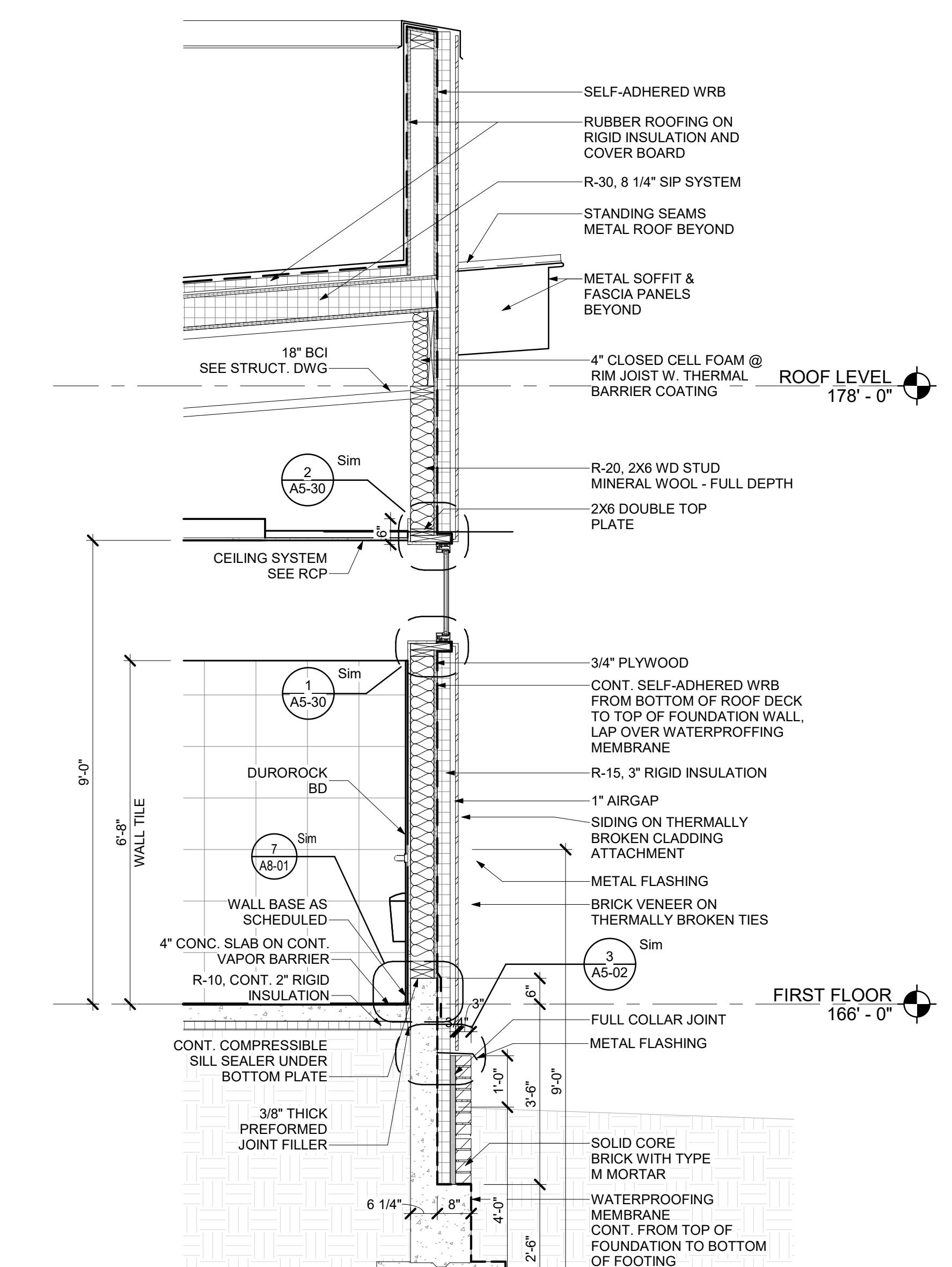
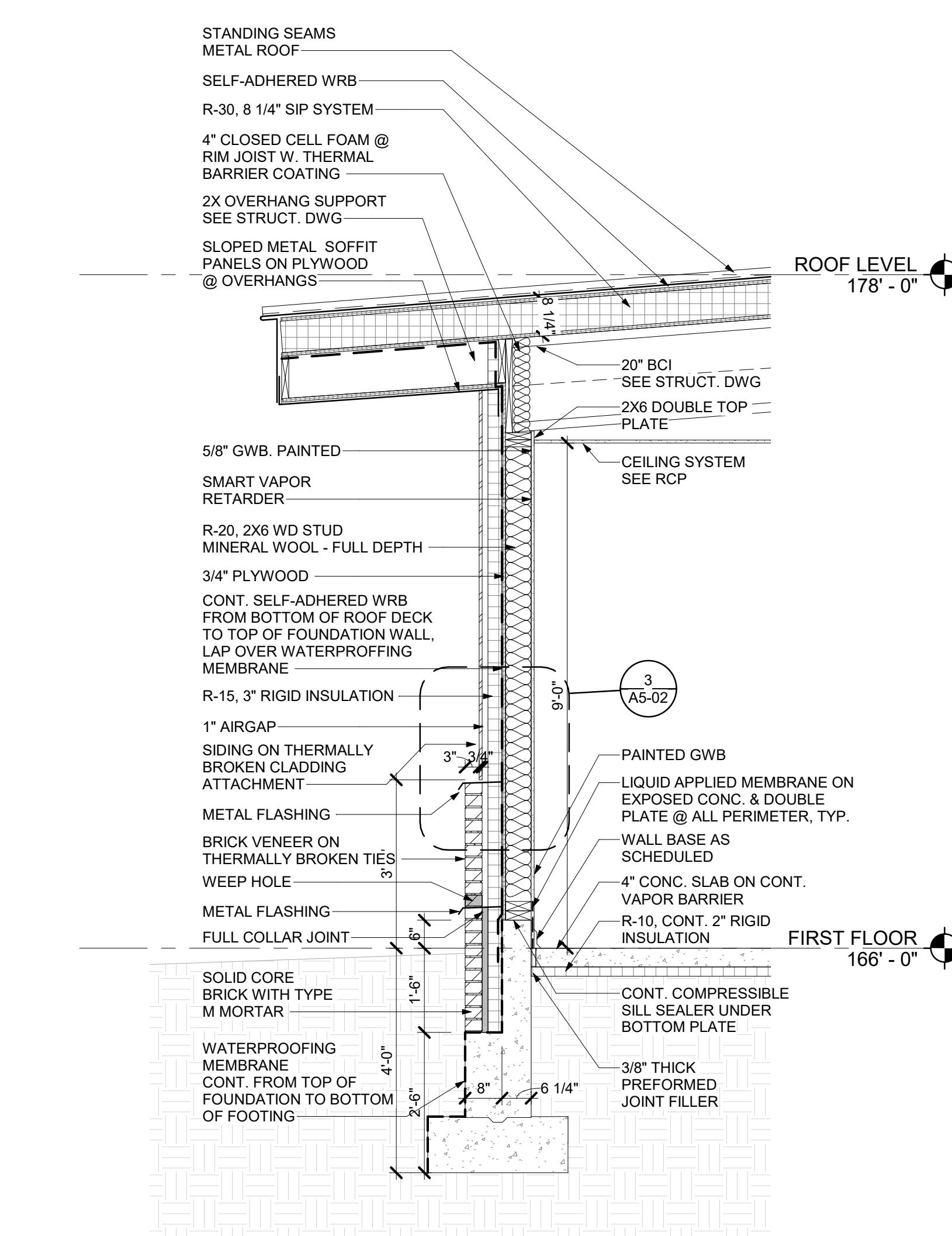
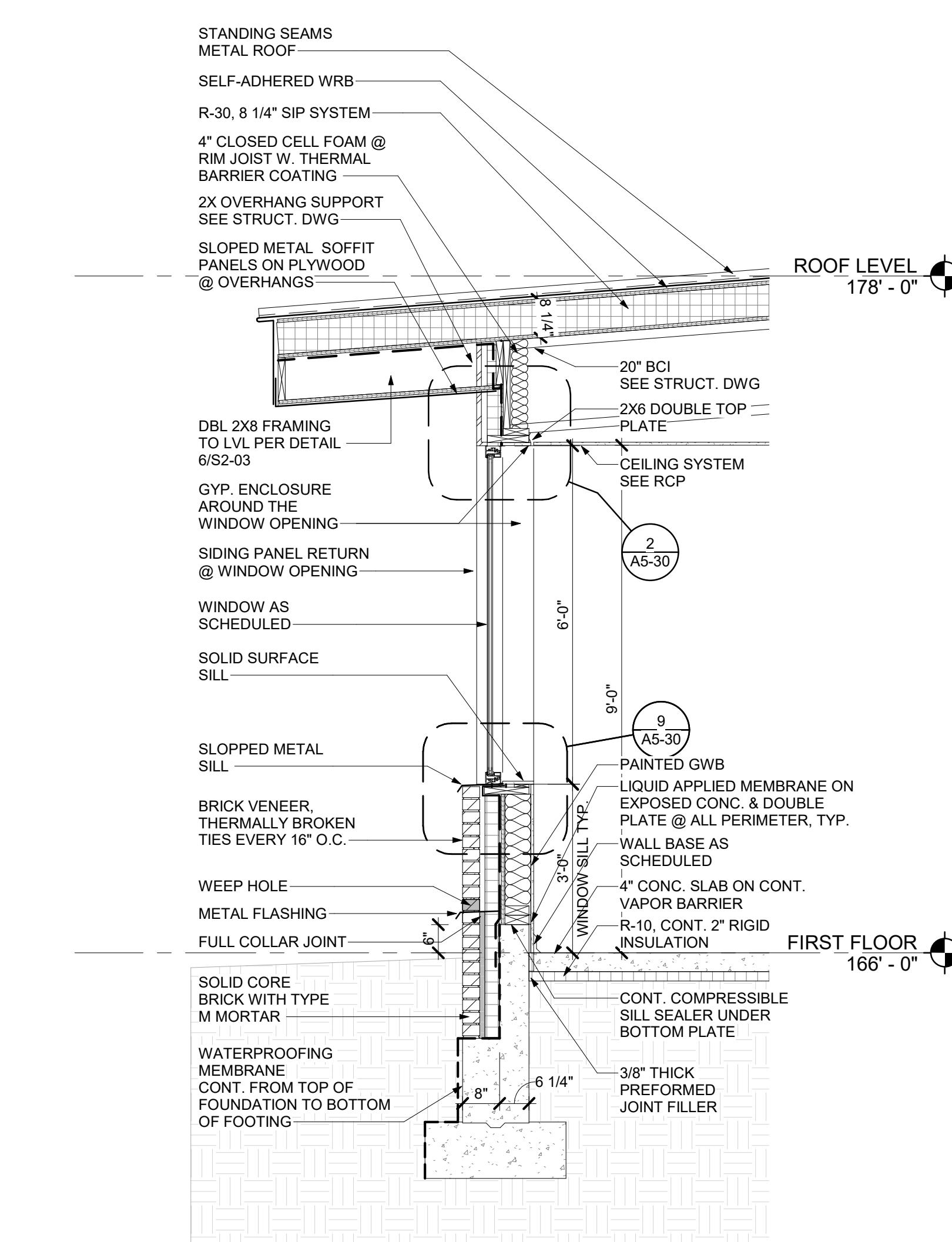
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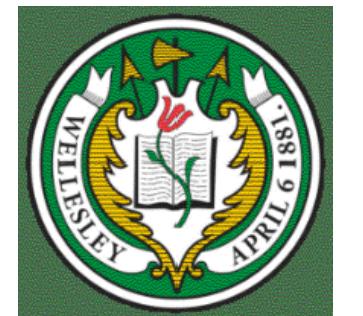
WALL SECTIONS

BID SET

Date 08/27/2025
Drawing Scale: 1/2" = 1'-0"Drawn By: Project Manager:
Author Checker
Drawing Number:

A3-10



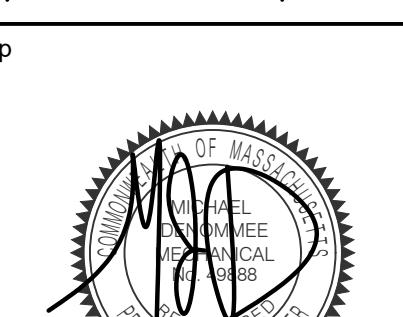


Town of Wellesley

169 Great Plain Ave, Wellesley,
MA

Project Title

Wellesley DPW/RDF Administration Building

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AE234571.2Issuance
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1 XX XXX/XXXX

Drawing Title

SCHEDULES

Submission

BID SET

Date 08/27/2025

Drawing Scale:

As Noted

Drawn By: CM

Drawing Number:

P0-02

WATER HAMMER SCHEDULE

TAG NO	Fixture Unit Rating	Manufacturer	Model
SA'A'	1-11	J.R. SMITH	5005
SA'B'	12-32	J.R. SMITH	5010
SA'C'	33-60	J.R. SMITH	5020
SA'D'	61-113	J.R. SMITH	5030
SA'E'	114-154	J.R. SMITH	5040
SA'F'	155-330	J.R. SMITH	5050

NOTES: WATER HAMMER ARRESTORS SHALL BE BY J.R. SMITH, WATTS, SIOUX CHEF OR APPROVED EQUAL.

DRAIN SCHEDULE

TAG NO	TYPE	MANUFACTURER	MODEL	STRAINER	REMARKS
FD-A	FLOOR	J.R. SMITH	2010C-P050	6"NB	PROVIDE WITH TRAP PRIMER CONNECTION.
FD-B	FLOOR	J.R. SMITH	2230C-P050	12"CI	PROVIDE WITH TRAP PRIMER CONNECTION AND SEDIMENT BUCKET.

NOTES: COORDINATE FLASHING REQUIREMENTS WITH G.C. DRAINS SHALL BE BY J.R. SMITH, ZURN, WATTS, JOSAM, SUN DRAINAGE, OR APPROVED EQUAL.

EXPANSION TANK SCHEDULE

TAG NO	MANUFACTURER	MODEL	TANK VOLUME (GAL)	REMARKS
ET-1	WATTS	PLT-12	4.5	NSF-CERTIFIED LEAD FREE FOR DOMESTIC WATER SYSTEM. PROVIDE SIGHT GLASS. THE PLUMBING CONTRACTOR SHALL VERIFY WATER SUPPLY AND SET EXPANSION TANK PRESSURE ACCORDINGLY PER MANUFACTURER'S INSTRUCTIONS.

NOTES: EXPANSION TANK SHALL BE BY WATTS, ELB1, AMTROL, BELL & GOSSETT, OR APPROVED EQUAL. EXPANSION TANK SHALL LEAD FREE AND LISTED FOR POTABLE WATER.

PLUMBING FIXTURE SCHEDULE

TAG NO	TYPE	MANUFACTURER	MODEL	SIZE	CW (in)	HW (in)	SAN (in)	V (in)	FLOW RATE	FITTINGS				CARRIER	REMARKS	
										SUPPLIES	TYPE	MANUFACTURER	MODEL	TRAP		
P-1	WATER CLOSET, WALL MOUNTED, TOP SPUD	SLOAN	ST-2459	-	1"	-	4"	2"	1.28 GPF	FLUSH VALVE, PROVIDE SAV ON CW SUPPLY	BATTERY-POWERED, SENSOR-OPERATED	SLOAN	G2 8111-CP	INTEGRAL	PROVIDE TO SUIT	SEAT SHALL BE ELONGATED TOILET SEAT, EQUAL TO TOTO SC-534. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
P-1A	ADA WATER CLOSET, WALL MOUNTED, TOP SPUD	SLOAN	ST-2459	-	1"	-	4"	2"	1.28 GPF	FLUSH VALVE, PROVIDE SAV ON CW SUPPLY	BATTERY-POWERED, SENSOR-OPERATED	SLOAN	G2 8111-CP	INTEGRAL	PROVIDE TO SUIT	SEAT SHALL BE ELONGATED TOILET SEAT, EQUAL TO TOTO SC-534. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
P-2	LAVATORY	SLOAN	SS-3021	20" X 15"	X	X	2"	2"	0.5 GPM	X SWEAT X EQUAL TO MCGRUE MODEL LH170LK	TURBINE-POWERED, SENSOR-OPERATED	SLOAN	EFX-280-TUR-ISM-CP-0.5GPM-MLM-CO-FCT	1 1/2" X 1 1/2" CAST BRASS CHROME PLATED P-TRAP W/ CO PLUG EQUAL TO MCGRUE B8902	UNDERMOUNTED	OUTLET WATER TEMPERATURE SHALL NOT EXCEED 110°F. PROVIDE MIXING VALVE. PROVIDE PIPE COVERING ON WASTE AND SUPPLY PIPING.
P-2A	ADA LAVATORY, WALL-MOUNTED	SLOAN	SS-3165	20" X 21" X 5"	X	X	2"	2"	0.5 GPM	X SWEAT X EQUAL TO MCGRUE MODEL LH170LK	TURBINE-POWERED, SENSOR-OPERATED	SLOAN	EFX-280-TUR-ISM-CP-0.5GPM-MLM-CO-FCT	1 1/2" X 1 1/2" CAST BRASS CHROME PLATED P-TRAP W/ CO PLUG EQUAL TO MCGRUE B8902	PROVIDE TO SUIT	OUTLET WATER TEMPERATURE SHALL NOT EXCEED 110°F. PROVIDE MIXING VALVE. PROVIDE PIPE COVERING ON WASTE AND SUPPLY PIPING.
P-3	SHOWER	KOHLER	72230106	60" X 34" X 75"	X	X	2"	2"	1.5 GPM	X CW & HW SUPPLIES W/ SAV	COMPLETE SET WITH SHOWER HEAD, SHOWER VALVE, AND ALL RELATED TRIMS	SYMONS	3501-CYL-B-TRM-1.5-X-CHKS	2" P-TRAP	FLOOR MOUNTED	PROVIDE SHOWER MODULE DRAIN EQUAL TO SIOUX CHEF B67-2B. PROVIDE 1.5 GPM FLOW RESTRICTOR ON SHOWER HEAD. REFER TO ARCHITECTURAL PLANS FOR SHOWER COMPONENTS LOCATION & MOUNTING HEIGHTS.
P-3A	ADA SHOWER, UNIT	BEST BATH	LSS26333A-V2	63" X 33"	X	X	2"	2"	1.5 GPM	X CW & HW SUPPLIES W/ SAV	COMPLETE SET WITH SHOWER HEAD, SHOWER VALVE, ELONGATED, A TRANSFER VALVE, HAND SHOWER AND ALL RELATED TRIMS	SYMONS	S-3505-H321-V-CYL-B-1.5-STN	2" P-TRAP	FLOOR MOUNTED	PROVIDE SHOWER MODULE DRAIN EQUAL TO SIOUX CHEF B67-2B. PROVIDE 1.5 GPM FLOW RESTRICTOR ON SHOWER HEAD. PROVIDE W/ FOLDABLE SEAT, GRAB BARS. PROVIDE 3/4" CUP PLUG. REFER TO ARCHITECTURAL PLANS FOR SHOWER COMPONENTS LOCATION & MOUNTING HEIGHTS.
P-4	ADA URINAL	SLOAN	SU-1009	-	X	-	2"	2"	0.125 GPF	FLUSH VALVE, PROVIDE SAV	BATTERY-POWERED, SENSOR-OPERATED	SLOAN	8186 SERIES	INTEGRAL	PROVIDE TO SUIT	REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
P-5	SINK, STAFF BREAK ROOM	ELKAY	ECTRUAD241755	25 1/2" X 18 1/2" X 5 1/2"	X	X	2"	2"	1.5 GPM	X SWEAT X EQUAL TO MCGRUE MODEL LH171LK	SINGLE HANDLE, PULL OUT	DELTA	9159-LS-DST	1 1/2" X 1 1/2" X 17 GA CAST BRASS CHROME PLATED P-TRAP W/ CO PLUG EQUAL TO MCGRUE B8912	UNDERMOUNTED	PROVIDE BASKET STRAINER, ANTI MICROBIAL SINK BAFFLE. PROVIDE PIPE COVERING BELOW WASTE & SUPPLY PIPING.
P-5A	SINK, LAUNDRY ROOM	ELKAY	ELUHAD191655PD	21" X 18" X 5"	X	X	2"	2"	1.5 GPM	X SWEAT X EQUAL TO MCGRUE MODEL LH171LK	SINGLE HANDLE, PULL OUT	DELTA	9159-LS-DST	1 1/2" X 1 1/2" X 17 GA CAST BRASS CHROME PLATED P-TRAP W/ CO PLUG EQUAL TO MCGRUE B8912	UNDERMOUNTED	PROVIDE BASKET STRAINER, ANTI MICROBIAL SINK BAFFLE. PROVIDE PIPE COVERING BELOW WASTE & SUPPLY PIPING.
P-6	WASHING MACHINE OUTLET	SIOUX CHEF	696-G-1 SERIES	-	X	X	2"	2"	-	X CW & HW	FAUCET	SPEAKMAN	SC-5811-CK-RCP	2" STANDPIPE DRAIN	WALL MOUNTED	PROVIDE W/ LEAD FREE VALVES AND ARRESTERS ON WATER SUPPLIES. PROVIDE 1/2" DIA ASSOCIATED DRAIN LINE AND TERMINATE AT THE LOWER LEVEL PLUMBING SUPPORT IN THE WASHER CLOSET. PROVIDE BOX OUTLETS/PLUGS ON THE SIDE OF WASHER APPLIANCE, AS FAR FORWARD AS POSSIBLE.
P-7	MOP SINK	FIAT	MSB2424	24" X 24" X 10"	X	X	3"	2"	-	X CW & HW SUPPLIES	-	STAINLESS STEEL INTERNAL CAST DRAIN BODY WITH 3" P-TRAP	FLOOR MOUNTED	STAINLESS STEEL INTERNAL CAST DRAIN BODY WITH 3" P-TRAP	DECK MOUNTED	PROVIDE W/ LEAD FREE HOSE & HOSE BRACKET. FIAT 830-CC MOP HANGER, STAINLESS STEEL BUMPER GUARD E-88-4A, STAINLESS STEEL WALL GUARD M52426. PROVIDE (2) RPPB ON CW & HW SUPPLIES.
P-8	EYE WASH, DECK-MOUNTED, LAUNDRY ROOM	GUARDIAN	G1899	-	X	X	-	-	-	X CW & HW SUPPLIES	-	-	-	-	DECK MOUNTED	PROVIDE IN SUPPLY W/ MIXING VALVE. PROVIDE ALL REQUIRED MOUNTING SUPPORT.
P-9	DRINKING FOUNTAIN / BOTTLE FILLING STATION	ELKAY	EZWS-EDFPB8M14K	-	X	-	2"	2"	-	X CW SUPPLY	-	-	-	1 1/2" X 1 1/2" X 17 GA CAST BRASS CHROME PLATED P-TRAP W/ CO PLUG EQUAL TO MCGRUE B8912	PROVIDE TO SUIT	COORDINATE POWER SUPPLY WITH ELECTRICAL CONTRACTOR. PROVIDE WITH SPARE FILTER SYSTEMS. ELKAY EWF3000 (x3).

RE-CIRCULATING PUMP SCHEDULE

NOTES: RE-CIRCULATING PUMP SHALL BE BY TACO, GRUNDFOS, APOLLO OR APPROVED EQUAL. RECORCULATION PUMP SHALL BE NSF/ANSI 372 CERTIFIED.

ELECTRIC WATER HEATER SCHEDULE

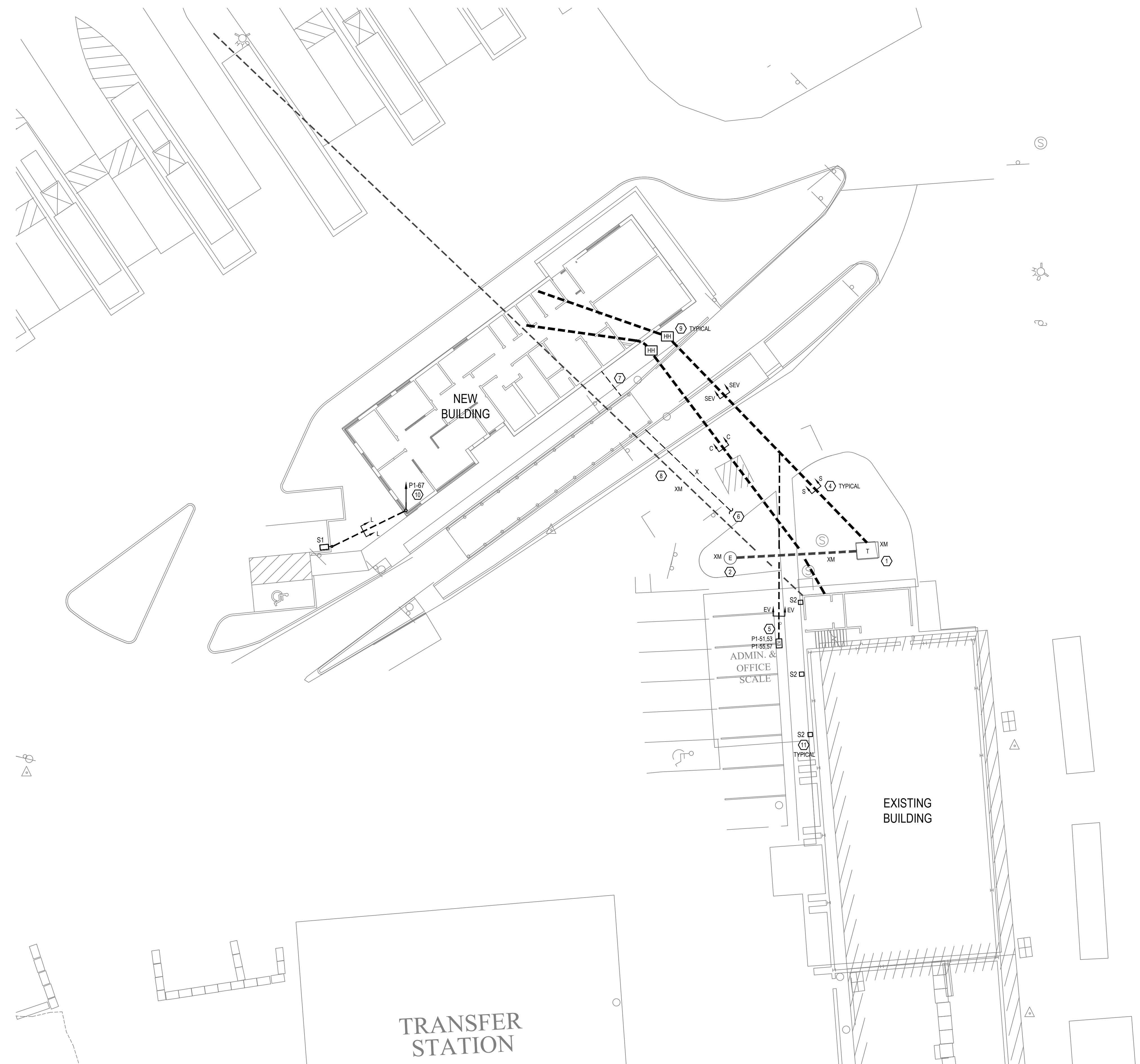
TAG NO	TYPE	MANUFACTURER	MODEL	STORAGE (GAL)	TEMPERATURE SETTING (°F)	RECOVERY @90°F (GPH)	ELECTRICAL REQUIREMENTS	REMARKS
				KW	VOLTS	PH		
EWH-1	STORAGE	A.O. SMITH	DEL-80	80	140	27	4.5	208 1

NOTES: COORDINATE WITH ALL ELECTRICAL REQUIREMENTS W/ E.C. WATER HEATER SHALL BE HEAT PUMP/HYBRID TYPE BY RHEEM, A.O. SMITH, STATE, BRADFORD WHITE, OR APPROVED EQUAL.

TEMPERATURE MIXING VALVE

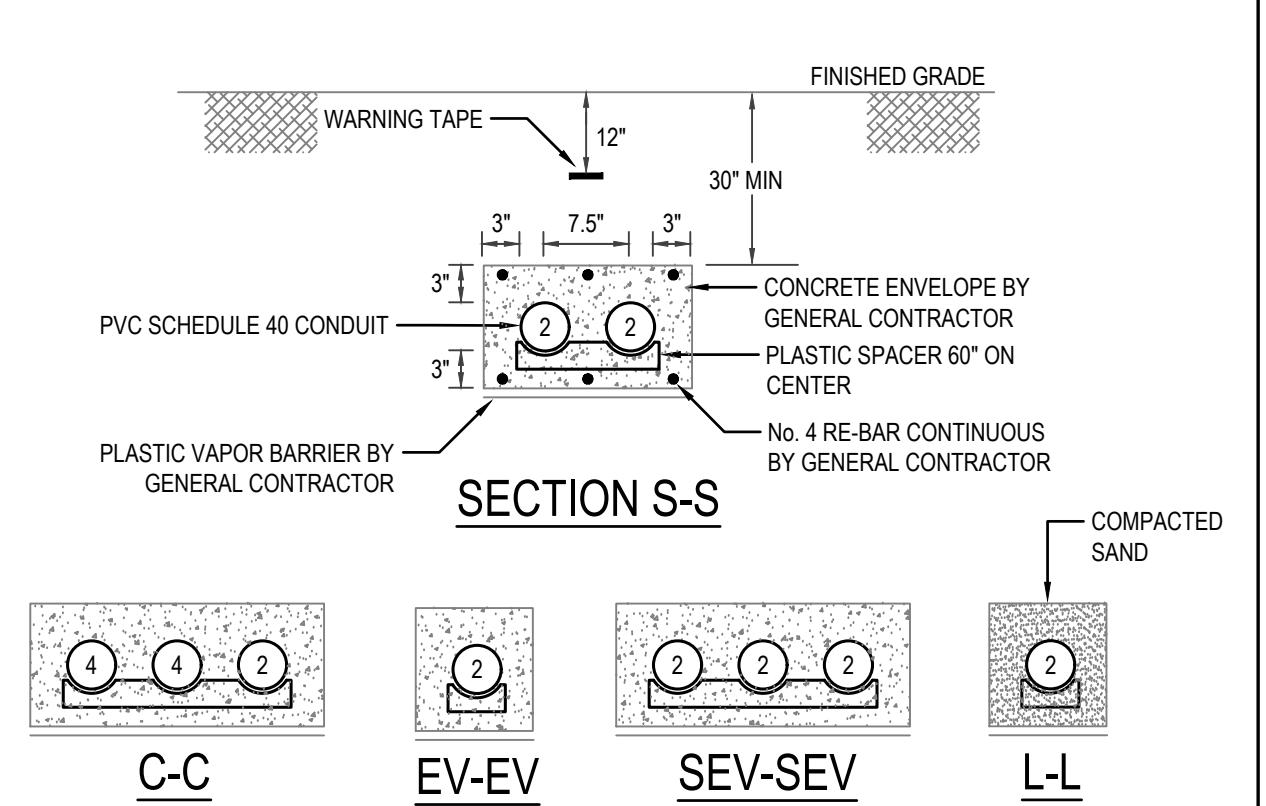
TAG NO	LO (GPM)	MANUFACTURER	MODEL	INLET	OUTLET	TEMPERATURE SETTING (°F)	REMARKS
TMV-1	1	LEONARD	PVN-100-LF-3T-BPS	1 1/2"	1 1/2"	120-130	MIXING VALVE SHALL BE MOUNTED ON GALVANIZED PIPING SET UP. SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE 1/2" DIA ASSOCIATED DRAIN LINE AND DRAIN PIPING. ACCORDINGLY, PROVIDE W/ BACK-UP POWER SUPPLY. PROVIDE W/ TEMPERATURE SENSORS ON HW SUPPLY, CW SUPPLY, HW PIPING.
TMV-2	-	LEONARD	TA-300-LF-IT	X	X	85	PROVIDE ALL REQUIRED WALL-MOUNTING SUPPORT. MIXING VALVE SHALL BE EQUIPPED WITH INTERNAL BYPASS ALLOWING DELIVERY OF COLD WATER IN THE EVENT OF FAILURE IN THE HOT WATER SUPPLY.

NOTES: MIXING VALVE SHALL BE BY LEONARD, WATTS, GUARDIAN, BRADLEY, OR APPROVED EQUAL.



SITE LIGHTING FIXTURE SCHEDULE									
Fixture Type	Description	Manufacturer & Catalog Number	Light Source				Voltage	Notes	
			Lumens	Temp (K)	Wattage	Type			
S1	EXTERIOR POLE MOUNT FIXTURE	GARDOO QL15-14-103LA-4870-NW-UNV-BLP POLE SRS-16-421-XXX	12149	4000	105	LED	120	1.2	
S2	BUILDING MOUNTED FLOOD LIGHT WITH PHOTOCELL	WAC LIGHTING WP-LED354-35-IPC-120-*	3445	4000	53	LED	120	1.2	

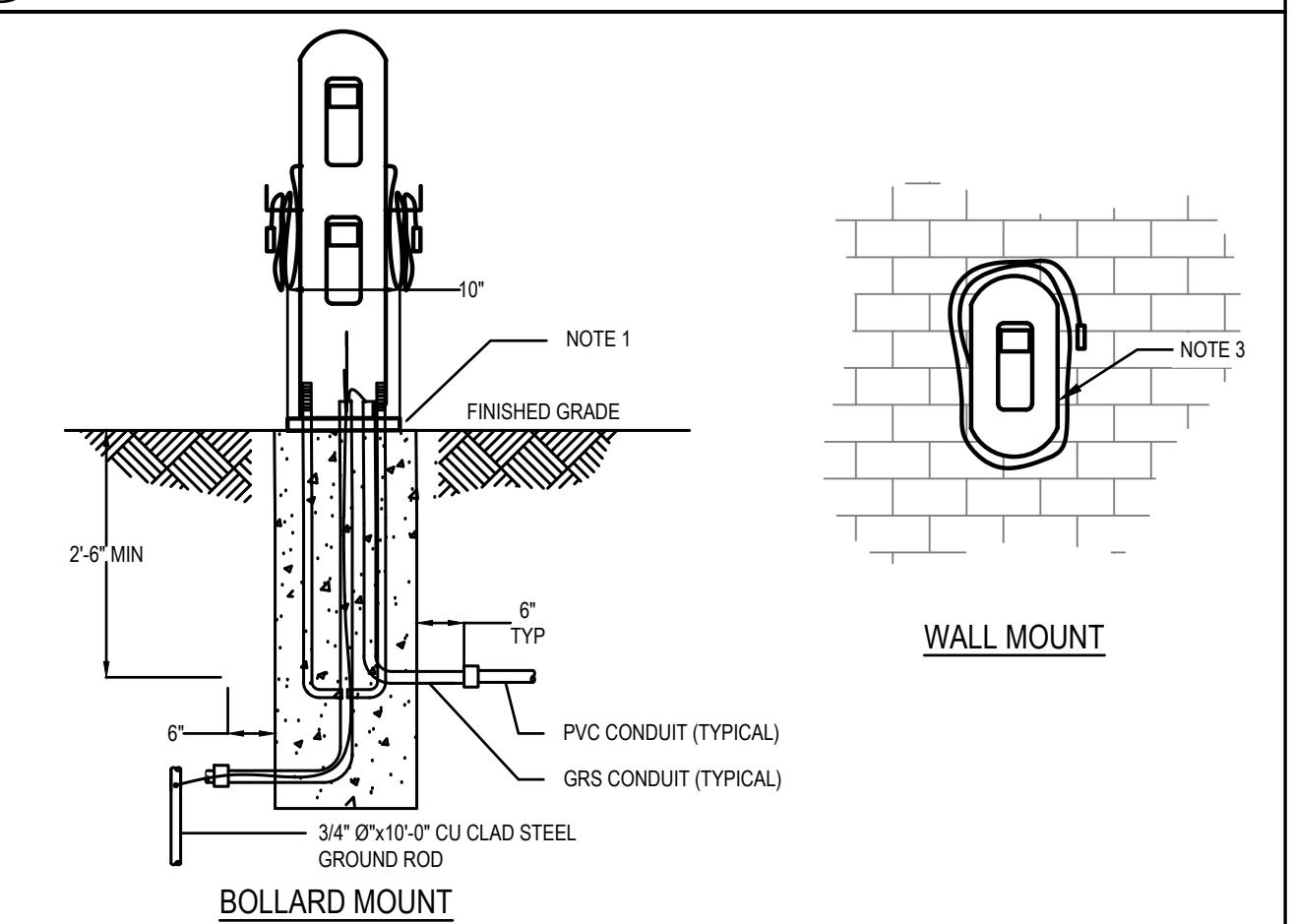
NOTES:
1. LIGHTING FIXTURE OPTIONS INDICATED WITH *** TO BE SELECTED BY ARCHITECT.
2. COORDINATE ALL FIXTURE FINISHES, COLORS, AND AESTHETIC FEATURES WITH ARCHITECT/INTERIOR DESIGNER.



NOTES:
*# WIRE IN EACH CONDUIT INDICATES THE CONDUIT DIAMETER IN INCHES.
SECTION S-S SHOWS ALL TYPICAL DIMENSIONING, DEPTHS AND DUCTBANK SECTION DETAILS.

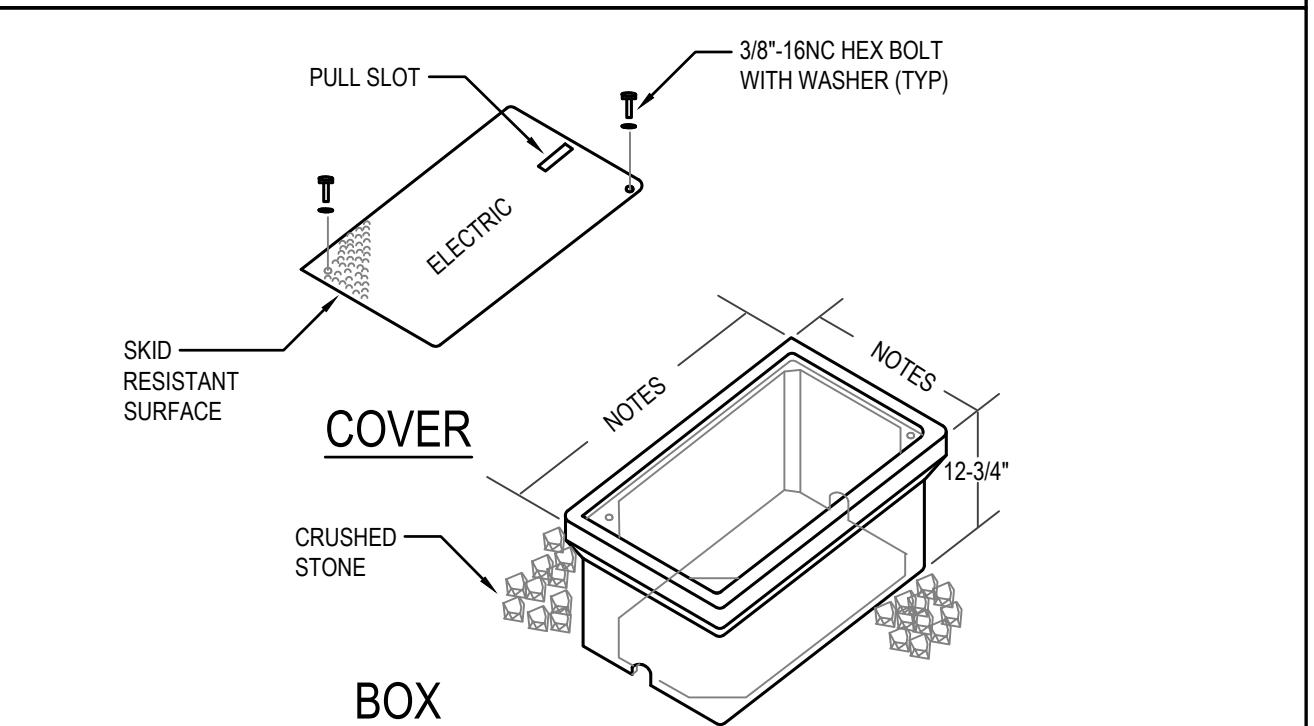
1. TYPICAL DESIGNATIONS:
1.1. P-P PRIMARY, C-C COMM, S-S SECONDARY, L-L SITE LIGHTING, EV-EV ELECTRIC VEHICLE CHARGING STATION.
2. EXACT ROUTING OF SITE CONDUIT SHALL BE COORDINATED IN THE FIELD BY THE GENERAL CONTRACTOR WITH THE CIVIL ENGINEER & LANDSCAPE ARCHITECTS TO AVOID TREE PLANTINGS AND ALL UNDERGROUND UTILITIES.
3. SECONDARY CONDUITS DO NOT REQUIRE ENCASING IN CONCRETE IF ROUTED UNDER SLAB OR NOT ROUTED UNDER VEHICLE TRAVELED PATHS

① DUCTBANK SECTION DETAIL



NOTES:
1. CONCRETE BASE, MAX DEPTH SHOWN IS 4'-0" AND DIAMETER IS 12". REFER TO MANUFACTURERS' RECOMMENDATIONS FOR SIZE, THICKNESS & ANCHOR BOLT DETAILS.
2. BASIS OF DESIGN:
2.1. GENERAL CONTRACTOR SHALL COORDINATE ALL EXACT REQUIREMENTS WITH MANUFACTURER AND/OR SUBSTITUTED EQUAL.
2.3. (2) 40A, (208/240) 10 STATIONS 288A16G, 1C, MINIMUM UNLESS NOTED OTHERWISE ON PLANS FOR VOLTAGE DROP.
3. PROVIDE ALL NUTS, BOLTS, WRENCHES AND MOUNTING HARDWARE PER MANUFACTURERS' RECOMMENDATION FOR WALL MOUNTING.

② EV DOUBLE CHARGING STATION DETAIL



NOTES:
*COORDINATE ALL REQUIREMENTS WITH UTILITY CO. IF APPLICABLE.
DIMENSIONS:
HH = 1'-0" x 2'-0"
HH1 = 2'-0" x 2'-0"
1. QUAZITE WITH HEAVY DUTY COVER OR APPROVED EQUAL.
2. HANDHOLE BOX AND COVER SHALL BE FLUSH WITH SURROUNDING CONCRETE SIDEWALK OR ASPHALT DRIVEWAY.
3. ENCLOSURES AND COVERS SHALL BE CONCRETE GRAY COLOR AND RATED FOR NO LESS THAN 8000 LBS OVER A 10' x 10' AREA AND BE DESIGNED AND TESTED TO TEMPERATURES OF -50°F.
4. MATERIAL COMPRESSIVE STRENGTH SHOULD BE NO LESS THAN 11,000 PSI.
5. COVERS SHALL HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.5.

③ HANHOLE DETAIL

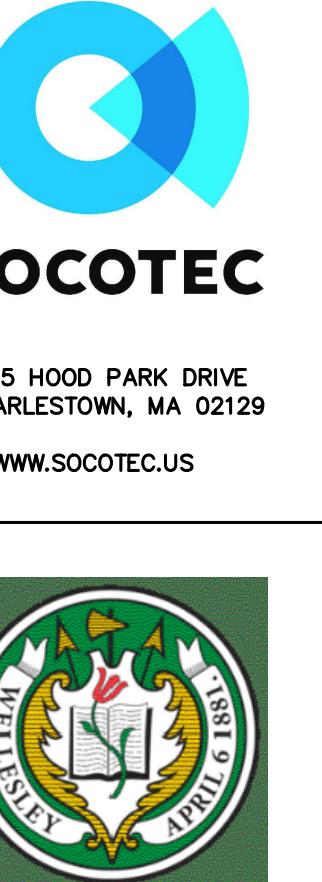
SITE PLAN KEY NOTES:
1. EXISTING UTILITY COMPANY PAD MOUNTED TRANSFORMER.
2. EXISTING UTILITY COMPANY ELECTRICAL MANHOLE.
3. NOT USED.
4. REFER TO DUCTBANK SECTION DETAIL, THIS DRAWING.
5. REFER TO EV DOUBLE CHARGING STATION DETAIL, THIS DRAWING.
6. EXISTING 120V POWER FEED TO SCALE TO BE REMOVED BACK TO EXISTING BUILDING. FIELD VERIFY EXACT ROUTING.
7. NEW 120V POWER FEED FOR SCALE TO NEW BUILDING (CIRCUIT P1-29). FIELD VERIFY EXACT REQUIREMENTS AND ROUTING.
8. EXISTING DUCT BANK TO COMPACTOR AND GUARD SHACK TO BE PROTECTED DURING EXCAVATION.
9. REFER TO HANHOLE DETAIL, THIS DRAWING.
10. LIGHTING CIRCUIT TO BE ROUTED VIA TIME CLOCK. REFER TO DRAWING E2-01, NOTE 3 FOR NEW BUILDING TIMECLOCK SPECIFICATION.
11. WIRE NEW TYPE S2 LIGHTING FIXTURES TO EXISTING 120/208V PANEL AT ELECTRICAL ROOM. PROVIDE NEW 120V, 20A CIRCUIT BREAKER COMPATIBLE WITH EXISTING PANEL. ROUTE LIGHTING CIRCUIT VIA COMPATIBLE ELV TIMER SWITCH AND ELECTRONIC 120V, ASTRONOMIC TIMECLOCK. TIMECLOCK TO BE INTERMATIC MODEL # ET2815C (OR EQUAL).

SITE PLAN

BID SET
Date 08/27/2025
Drawing Scale: As Noted
Drawn By: CM
Drawing Number:

E0-02

BLW
BLW Engineers, Inc.
311 Great Road, Post Office Box 1551
Littleton, Massachusetts 01460
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HVAC • Electrical • Plumbing • Fire Protection
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Town of Wellesley

169 Great Plain Ave, Wellesley, MA

Project Title

Wellesley DPW/RDF Administration Building

Socotec Project Number AE234571.2

Issue Date No. Description Date
1 XX XXX/XXXX

Stamp

Drawing Title

Submission

BID SET

Date 08/27/2025

Drawing Scale: As Noted

Drawn By: CM

Drawing Number:



Town of Wellesley

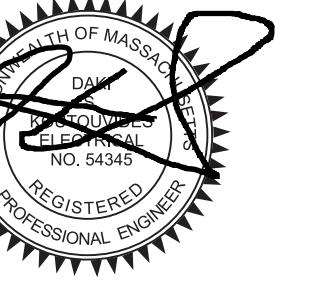
169 Great Plain Ave, Wellesley, MA

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1	XX	XX/XX/XXXX	

Stamp



Drawing Title

DETAILS

Submission	BID SET	
Date	08/27/2025	
Drawing Scale:	As Noted	
Drawn By:	CM	Project Manager:
Drawing Number:		

E0-04

