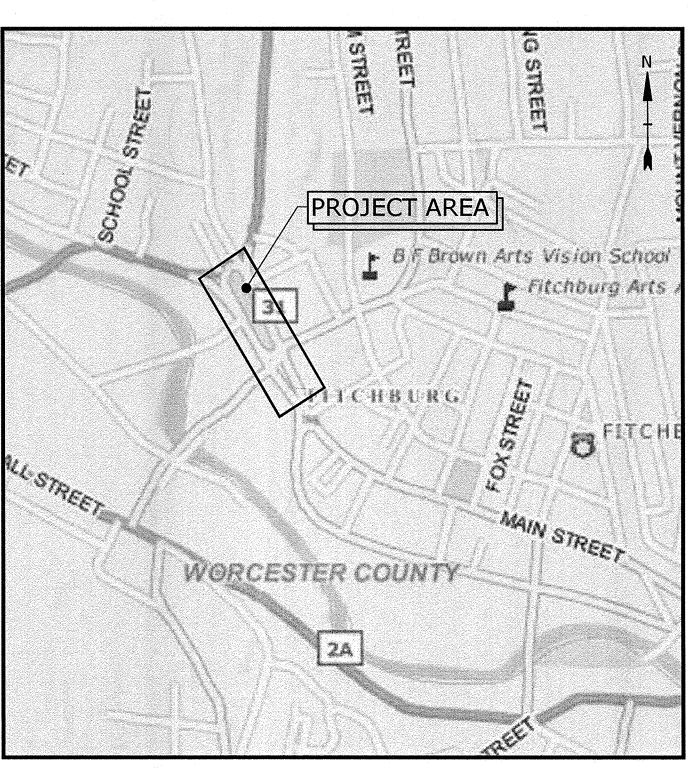
CITY OF FITCHBURG, MASSACHUSETTS COMPLETE STREETS IMPROVEMENTS MAIN STREET UPPER COMMON NOVEMBER 2018

LIST OF DRAWINGS						
SHEET NO. SHEET TITLE						
COVER						
GENERAL NOTES & LEGEND						
INDEX SHEET						
EXISTING CONDITIONS & DEMOLITION PLAN						
EXISTING CONDITIONS & DEMOLITION PLAN						
PAVEMENT MARKING & SIGNING PLAN						
PAVEMENT MARKING & SIGNING PLAN						
DETAILS						
SIGN TEXT LAYOUT						
	SHEET TITLE COVER GENERAL NOTES & LEGEND INDEX SHEET EXISTING CONDITIONS & DEMOLITION PLAN EXISTING CONDITIONS & DEMOLITION PLAN PAVEMENT MARKING & SIGNING PLAN PAVEMENT MARKING & SIGNING PLAN DETAILS					



LOCATION MAP

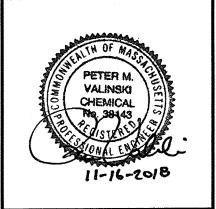
SCALE: NTS

PROJECT LENGTH = 0.35 MILES

Tighe&Bond

PREPARED FOR:

www.tighebond.com 446 Main Street Worcester, MA 01608 (508) 754-2201



PETER VALINSKI P.E.



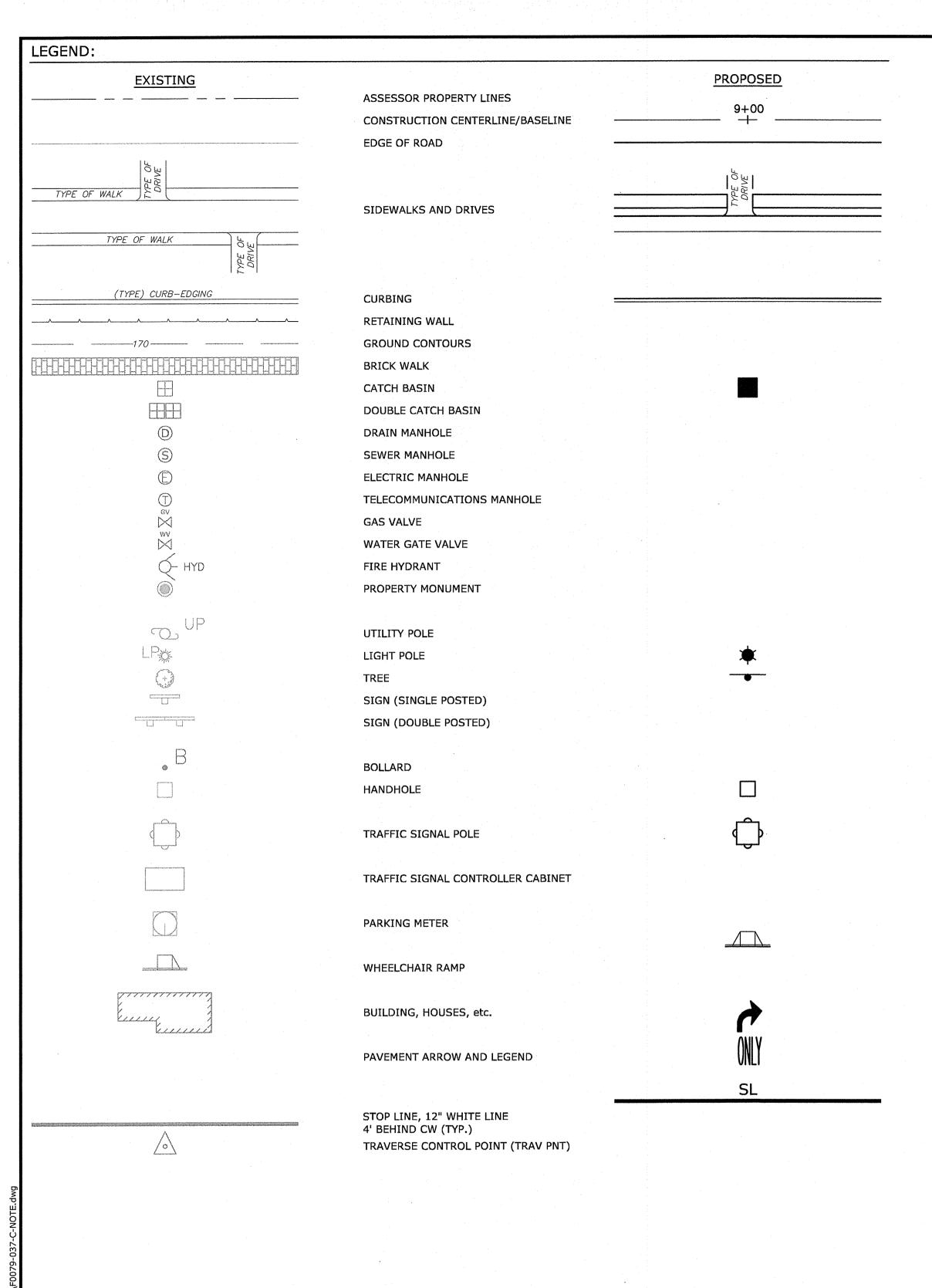


CITY OF FITCHBURG
MAYOR STEPHEN L. DINATALE
LENNY R. LAAKSO, P.E., DPW COMMISSIONER

TOM SKWIERAWSKI, DIRECTOR OF COMMUNITY DEVELOPMENT

THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES DATED 1988, AS AMENDED, THE SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 2015, THE 2014 CONSTRUCTION STANDARD DETAILS, THE 2015 OVERHEAD SIGNAL STRUCTURE AND FOUNDATION STANDARD DRAWINGS, MASSDOT TRAFFIC MANAGEMENT PLANS AND DETAIL DRAWINGS, THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS WITH MASSACHUSETTS AMENDMENTS, THE 1990 STANDARD DRAWINGS FOR SIGNS AND SUPPORTS, THE 1968 STANDARD DRAWINGS FOR TRAFFIC SIGNALS AND HIGHWAY LIGHTING, AND THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, WILL GOVERN.

COMPLETE SET 9 SHEETS



GENERAL NOTES: ABBREV 1. PER MASSACHUSETTS LAW, CONTRACTOR SHALL CALL 1-888-DIG-SAFE, (1-888-344-7233) AND AADT CITY OF FITCHBURG UTILITY DEPARTMENTS PRIOR TO ANY UNDERGROUND EXCAVATION ON SITE. ABAN THE DIG-SAFE VERIFICATION NUMBER SHALL BE SUBMITTED TO THE CITY OF FITCHBURG PRIOR AC TO ANY CONSTRUCTION WORK. ACCM 2. ALL EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ADJ 3. BASED ON SURVEY PROVIDED BY THE CITY OF FITCHBURG DATED APRIL-MAY 2012, AND FIELD APPR OBSERVATIONS MADE BY TIGHE & BOND, INC. 2018. **ASTM** 4. HORIZONTAL DATUM IS NAD83. VERTICAL DATUM IS NGVD29. BC PROPERTY LINE INFORMATION IS PROVIDED BY MASSACHUSETTS OFFICE OF GEOGRAPHIC INFORMATION. BCC BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE BCB APPROXIMATE EXISTING CONDITIONS. BCW IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THESE BIT C PLANS, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION. CONTRACTOR SHALL CAREFULLY COORDINATE ALL WORK WITH THAT OF ALL SUBCONTRACTORS, THE CITY, UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE PROJECT BLDG 9. CONSTRUCTION ACTIVITIES SHALL NOT PREVENT EMERGENCY VEHICLE PASS THROUGH AT ANY BND 10. THE CONSTRUCTION SITE MUST BE ACCESSIBLE TO EMERGENCY VEHICLES AT ALL TIMES. BO 11. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AT LEAST ONE ACCESS POINT TO ALL вомо BUILDINGS DURING CONSTRUCTION 12. PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS. BOS 13. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL MANHOLES, CATCH BASINS, WATER BR SHUT-OFFS, VALVES AND ANY OTHER STRUCTURES, TO BE FLUSH WITH PROPOSED GRADE. BVW 14. CONTRACTOR SHALL ADJUST CURB REVEAL AND SIDEWALK CROSS SLOPE AS NECESSARY DUE TO **BWLL** ADJACENT PROPERTY CONSTRAINTS. CAP 15. CONTRACTOR SHALL GROUP OLD CURBING TO BE RE-SET TOGETHER IN ORDER TO ACHIEVE A MORE COHESIVE APPEARANCE. CB 16. CONTRACTOR IS RESPONSIBLE TO REMOVE AND PROPERLY DISPOSE OF ALL EXCESS CBCI CONSTRUCTION OR REMOVED MATERIALS. CC 17. PROPOSED SIDEWALKS AND WALKS/LAWNS ON ABUTTING PROPERTIES SHALL BE CONSTRUCTED TO DRAIN TO ROAD TO MAXIMUM EXTENT POSSIBLE. CCM 18. CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL CITY OF FITCHBURG STREET OPENING AND CCW DRIVEWAY PERMIT REQUIREMENTS AS APPLICABLE. CEM 19. IT IS THE INTENT OF THESE DOCUMENTS THAT SITE GRADING COMPLIES WITH ACCESS CI REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), THE AMERICANS WITH CIT DISABILITIES ACT (ADA), AND ARCHITECTURAL ACCESS BOARD (521 CMR - PART C EXTERIOR). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ROUTE, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. CONTRACTOR SHALL COMPLY WITH THE CRITERIA IN THESE STANDARDS. CLF SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW: PARKING STALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0% CNO CONC LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0% COND CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0% 19. CONTRACTOR SHALL NOTE THAT THE CITED ACCESSIBILITY REQUIREMENTS ALLOW NO CONS TOLERANCE FOR SLOPES GREATER THAN THE MAXIMUM SLOPE. CR 20. WALKWAYS SHALL HAVE CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR CPP CHANGES IN LEVEL GREATER THAN 1/4" INCH. CRW 21. THE WHEELCHAIR RAMPS SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CS CONSTRUCTION TOLERANCE OF 0.5%±. HOWEVER, THESE SLOPES MAY BE FLATTER WHEN WARRANTED BY SURROUNDING CONDITIONS. CULV 22. WHERE THE ROAD PROFILE EXCEEDS 4%, THE WCR HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15-FEET. 23. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE DCB LOCATED OUTSIDE THE CROSSWALK. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE. DH 24. THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY. DHV 25. DETECTABLE WARNING PANELS ARE REQUIRED ON ALL THE PROPOSED WHEELCHAIR RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION OF STANDARD M/E 107.6.5 DIA (DECEMBER 2016.) 26. THE CONTRACTOR OR AGENT SHALL TRANSFER TBM DATA (FROM THE HYDRANT SPINDLES) TO NEARBY PERMANENT TREES VIA PK NAILS, PRIOR TO R&R HYDRANTS. 27. THE CONTRACTOR SHALL COMPLY WITH CITY OF FITCHBURG STANDARDS AND REQUIREMENTS.

VIAT	TONS:		
Γ	ANNUAL AVERAGE DAILY TRAFFIC	JCT	JUNCTION
J	ABANDON	K	RATE OF VERTICAL CURVATURE
	ASBESTOS CEMENT PIPE	L	LENGTH OF CURVE
MP .	ASPHALT COATED CORRUGATED METAL PIPE	LF	LINEAR FEET
	ADJUST	LS	LANDSCAPE or LANDSCAPED
	APPROXIMATE	LP	LIGHT POLE
1	AMERICAN SOCIETY OF TESTING MATERIALS	LPB	LIGHT POLE BOULEVARD
	BITUMINOUS CURB	LS	LANDSCAPED AREA
	BITUMINOUS CONC CURB	LT	LEFT
	BITUMINOUS CONC BERM	M	MHD MATERIAL REFERENCE
20110	BITUMINOUS CONCRETE WALK	MAG	MAGNETIC
CONC	BITUMINOUS CONCRETE	MAX	MAXIMUM
	BITUMINOUS CONSTRUCTION PASSIBLE	MB MED	MAILBOX MEDIUM
•	CONSTRUCTION BASELINE	MEM	MEMORIAL
3	BUILDING BENCH MARK	MH	MANHOLE
	BOUND	MJ	MECHANICAL JOINT
	BY OTHERS	MISC	MISCELLANEOUS
0	BOLT OVER MAIN OUTLET	MTL	METAL
	BOTTOM OF SLOPE	MW	MONITORING WELL
	BRIDGE	N	NORTH
	BORDERING VEGETATIVE WETLANDS	NB	NORTH BOUND
. ·	BROKEN WHITE LANE LINE	NP	NO PARKING
	CORRUGATED ALUMINUM PIPE	N/F	NOW OR FORMERLY
	CATCH BASIN	NTS	NOT TO SCALE
	CATCH BASIN WITH CURB INLET	OC	ON CENTER
	CONCRETE CURB	PAVE	PAVEMENT
	CEMENT CONCRETE MASONRY	PC	POINT OF CURVATURE
	CEMENT CONCRETE WALK	PCC	POINT OF COMPOUND CURVE
	CEMENT	PG	PROPOSED GRADE
	CAST IRON PIPE	PK#	SURVEY NAIL
	CHANGE IN TYPE	PI P	POINT OF INTERSECTION PROPERTY LINE
	CENTER LINE	P PM	PARKING METER
	CHAIN LINK FENCE	POC	POINT ON CURVE
	CORRUGATED METAL PIPE	PRC	POINT OF REVERSE CURVE
	COULD NOT OPEN	PREF	PREFERRED
	CONCRETE	PROJ	PROJECT
D	CONDUIT	PROP	PROPOSED
ST	CONSTRUCT(ION)	PSF	POUNDS PER SQUARE FOOT
	CROWN	PSI	POUNDS PER SQUARE INCH
	CORRUGATED PLASTIC PIPE	PT	POINT OF TANGENCY
	CONCRETE RETAINING WALL	PVC	POLYVINYL CHLORIDE
,	CURB STOP	PWW	PAVED WATERWAY
'	CULVERT	QTY	QUANTITY
	DELTA ANGLE CENTRAL ANGLE OF HORIZ. CURVE)	R	RADIUS
	DIRECTIONAL PERCENTAGE OF DHV (TITLE SHEET) DOUBLE CATCH BASIN	RCP	REINFORCED CONCRETE PIPE
	DRILL HOLE	R&D	REMOVE AND DESET
	DESIGN HOURLY VOLUME	R&R	REMOVE AND RESET REMOVE AND STACK
	DUCTILE IRON	R&S REB	REBUILD
	DIAMETER	REM	REMOVE
	DIMENSION	REMOD	REMODEL
	SURVEY DISC	REQD	REQUIRED
	DRAIN MANHOLE	RET	RETAIN
	DEPARTMENT OF PUBLIC WORKS	RET WALL	RETAINING WALL
	DRIVE	ROW	RIGHT OF WAY
	DON'T WALK	RP	RECORD PLAN
_	DASHED WHITE LANE LINE	RR	RAILROAD
•	DOUBLE YELLOW CENTER LINE	RT	RIGHT
	EAST BOUND	R/W	RIGHT OF WAY
LEV	ELEVATION	S	SOUTH
LLV	EMBANKMENT	SB	STONE BOUND
	ELECTRICAL MANHOLE	SEC	SECTIONS (END SECTIONS FOR DIDES)
	ENTRANCE	SECTS	SECTIONS (END SECTIONS FOR PIPES)
	EDGE OF PAVEMENT	SFS	SPEED FEEDBACK SIGN GRANITE EDGING
	EXCAVATION	SGC SHT	SHEET
T/EX	EXISTING	SHLD	SHOULDER
	FRAME AND COVER	SL	STOP LINE
	FRAME AND GRATE	SMH	SEWER MANHOLE
	FOUNDATION	SRW	STONE RETAINING WALL
	FLASHING DON'T WALK	STA	STATION
	FINISH FLOOR ELEVATION	SSD	STOPPING SIGHT DISTANCE
	FIRE HYDRANT	SURF	SURFACE
RF	FLOW LINE	SW	SIDEWALK
TN	FOUND	SWEL	SOLID WHITE EDGE LINE
	FEET	SWLL	SOLID WHITE LANE LINE
	GARAGE	SYEL	SOLID YELLOW EDGE LINE
	GRANITE BOUND	T	TANGENT DISTANCE OF CURVE/
	GRANITE CURB	TABI	TRUCK PRECENTAGE
SV	GAS GATE / GAS VALVE	TAN TBM	TANGENT TEMPORARY BENCH MARK
	GRANITE INLET	LC IRM	TRAFFIC CONTROLLER
	GALVANIZED IRON PIPE	TEMP	TEMPORARY
	GROUND	TP	TURNING POINT
V	GRANITE	TOS	TOP OF SLOPE
	GAS SHUT OFF	TR	TOP OF RAIL
	GUARDRAIL	TS	TRAFFIC SIGNAL
	HEADWALL	TYP	TYPICAL
	HANDHOLE	UP	UTILITY POLE
	HOT MIXED ASPHALT	UT	UTILITY
	HOUSE	VGC	VERTICAL GRANITE CURB
Z	HORIZONTAL	W	WALK
	HYDRANT INCH	VB	VERTICAL BASE
	INVERT	WCR	WHEELCHAIR RAMP
	ALV W INIX I	WV	WATER VALVE







City Of Fitchburg

Complete
Streets
Improvements
Main Street
Upper Common

Fitchburg, Massachusetts

November 2018

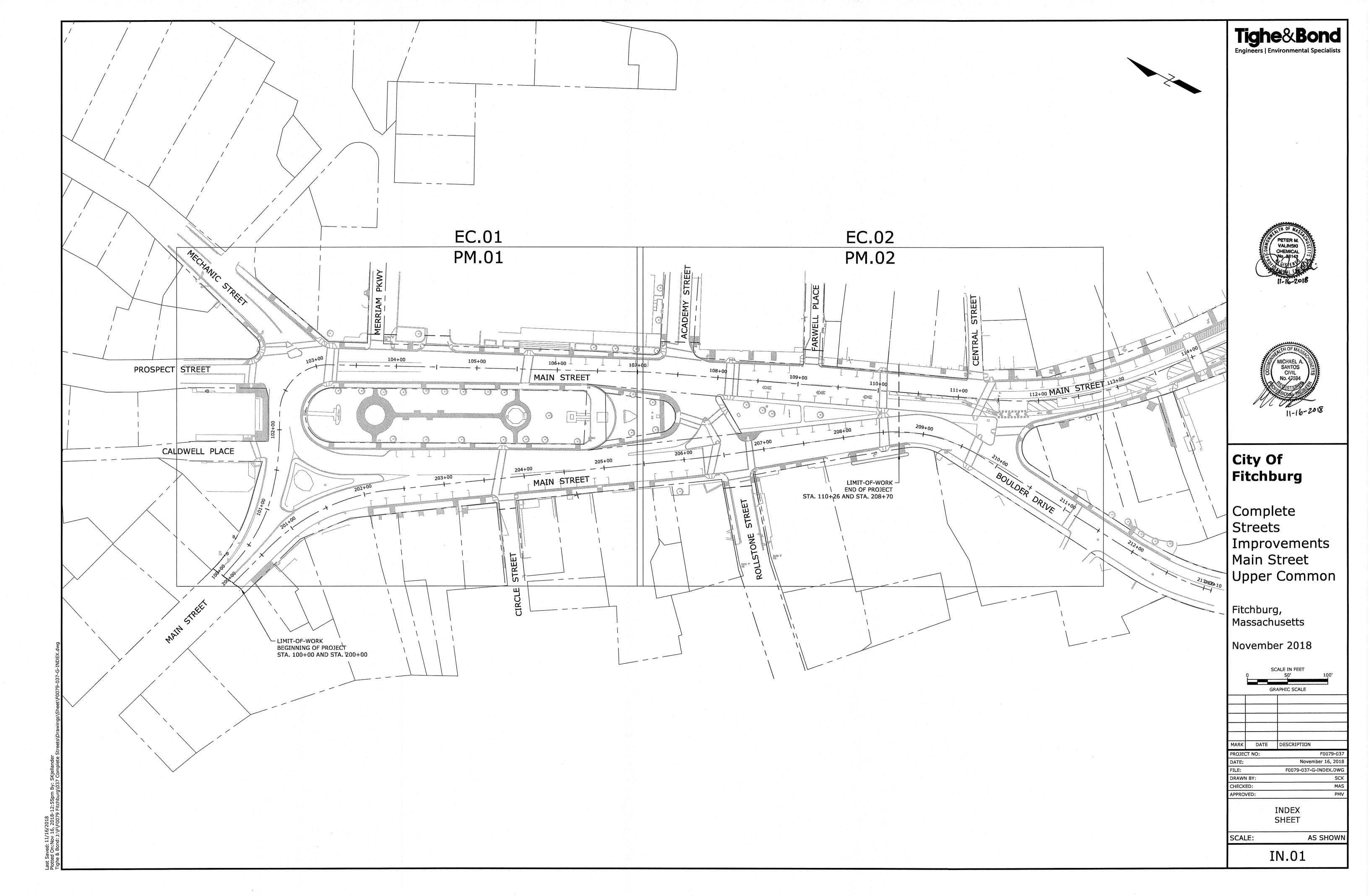
RK	DATE	DESCRIPTION
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≣:		F0079-037-C-NOTE.DW

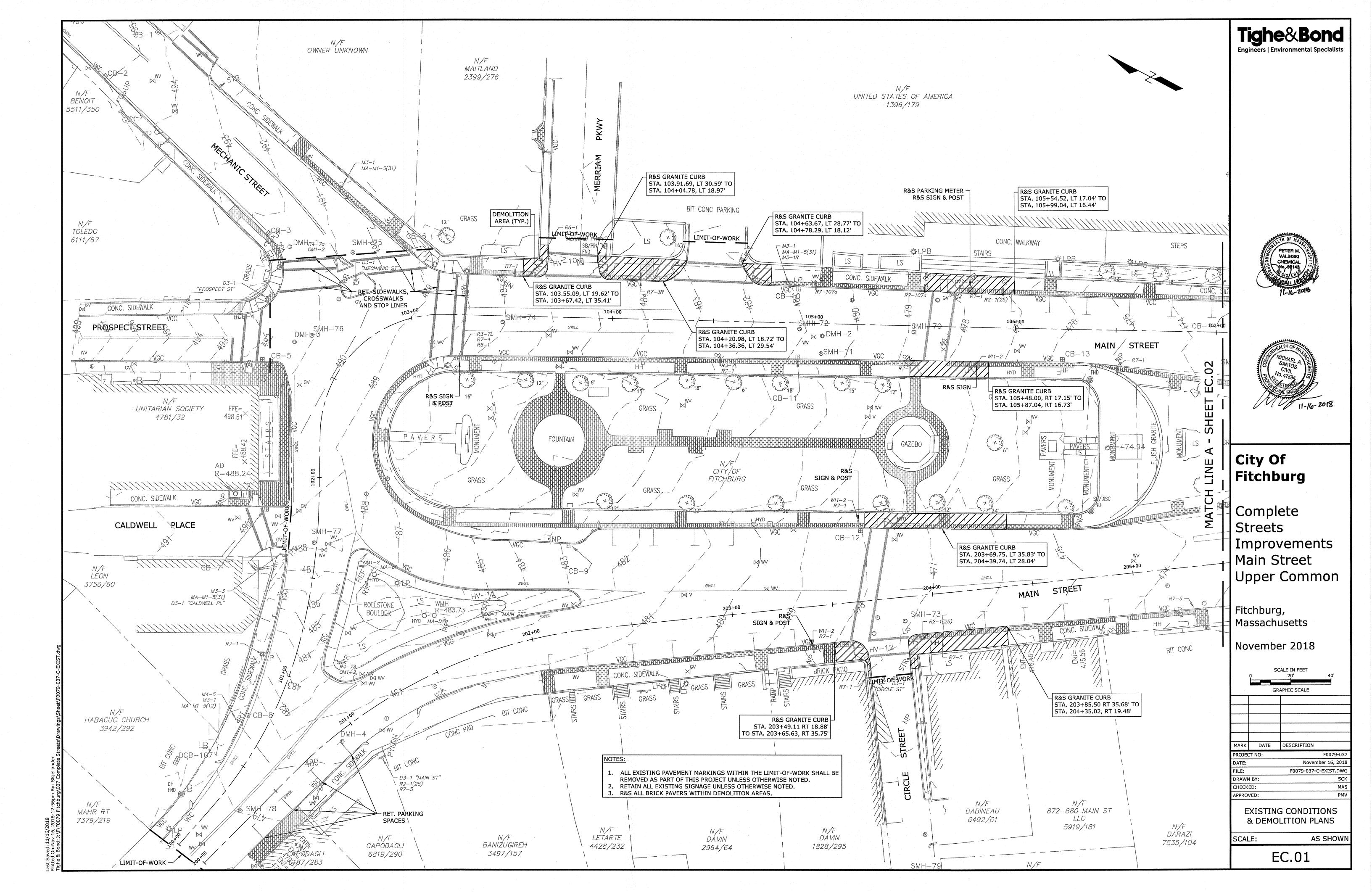
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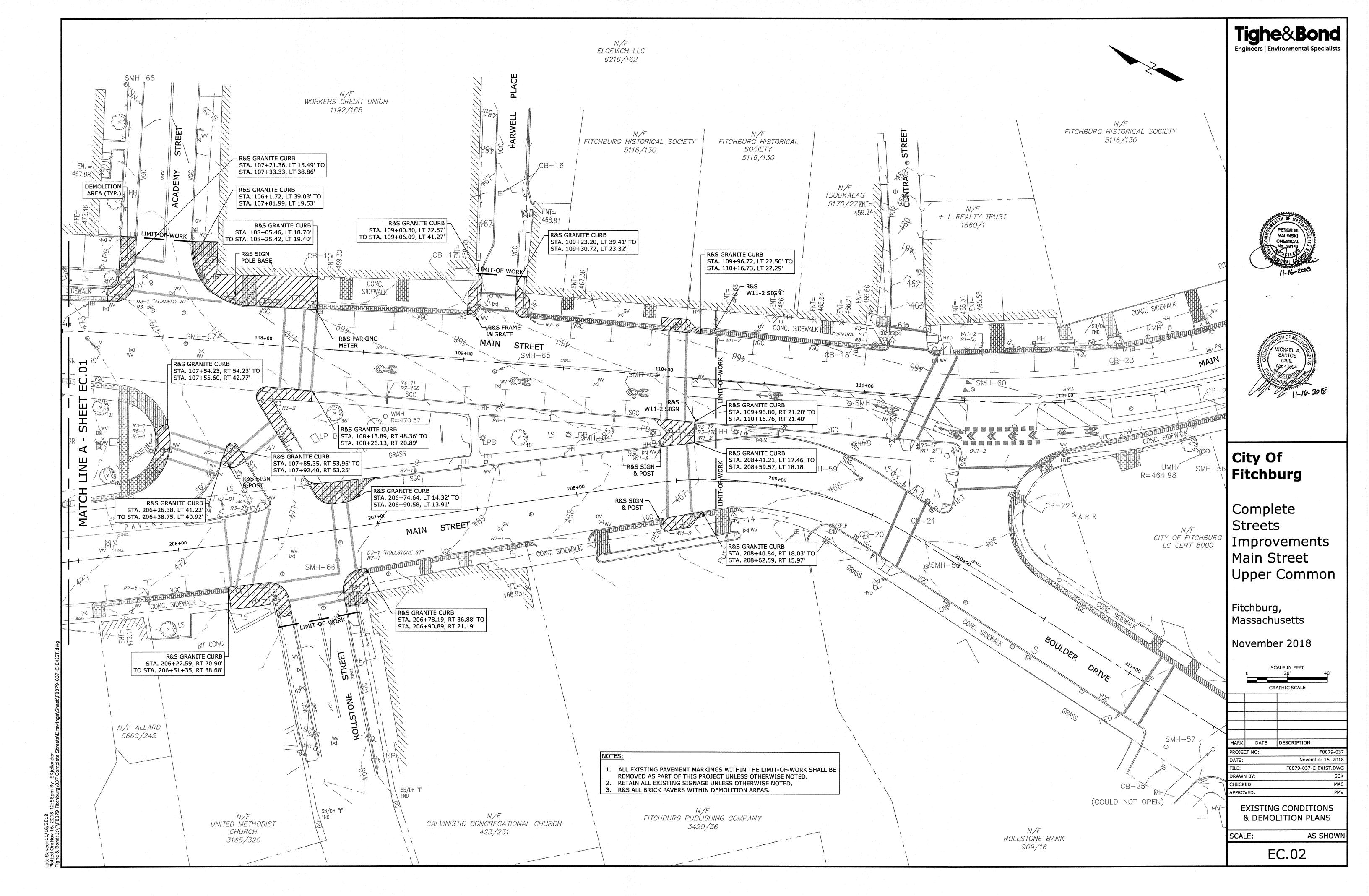
GENERAL NOTES & LEGEND

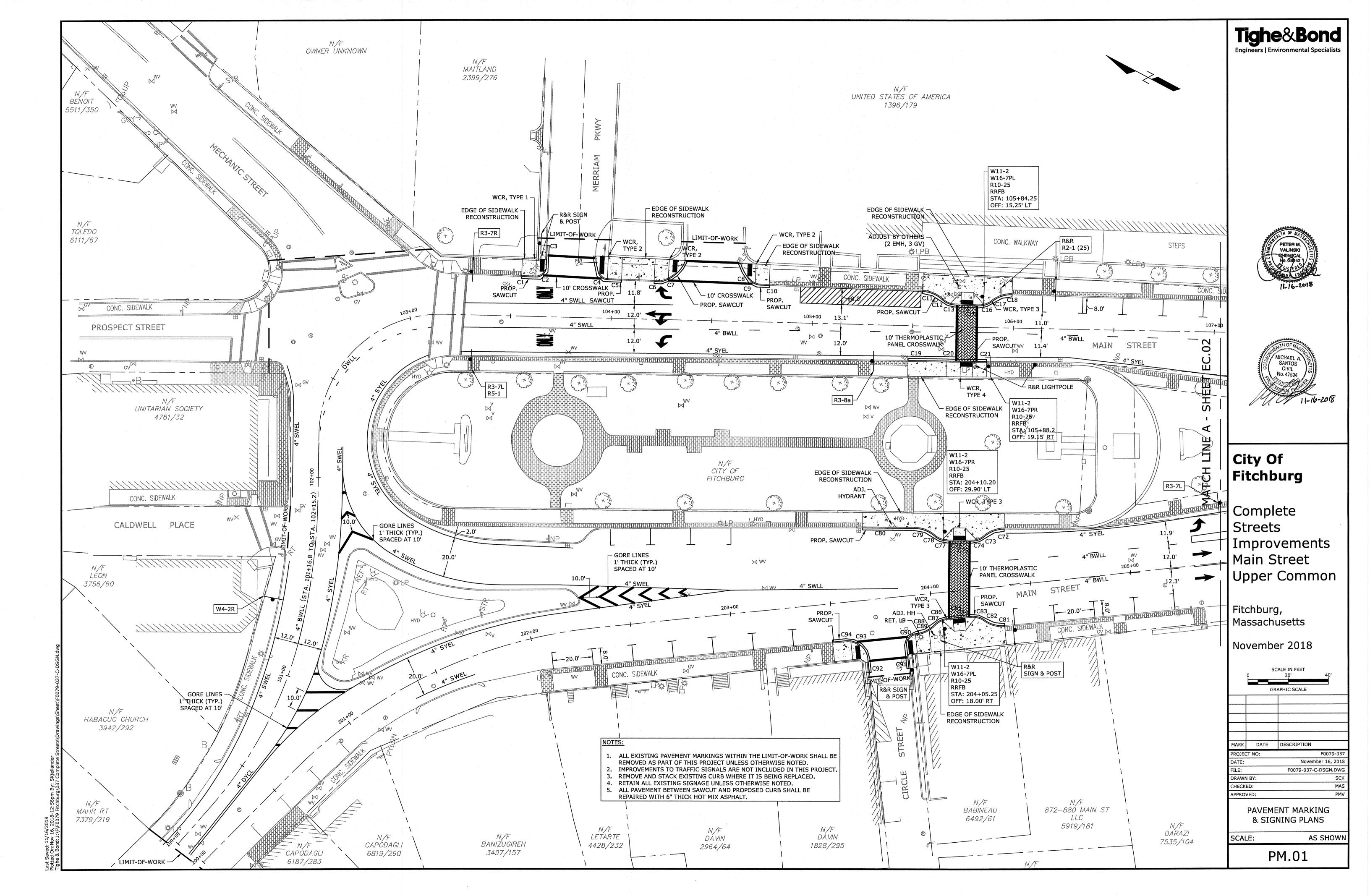
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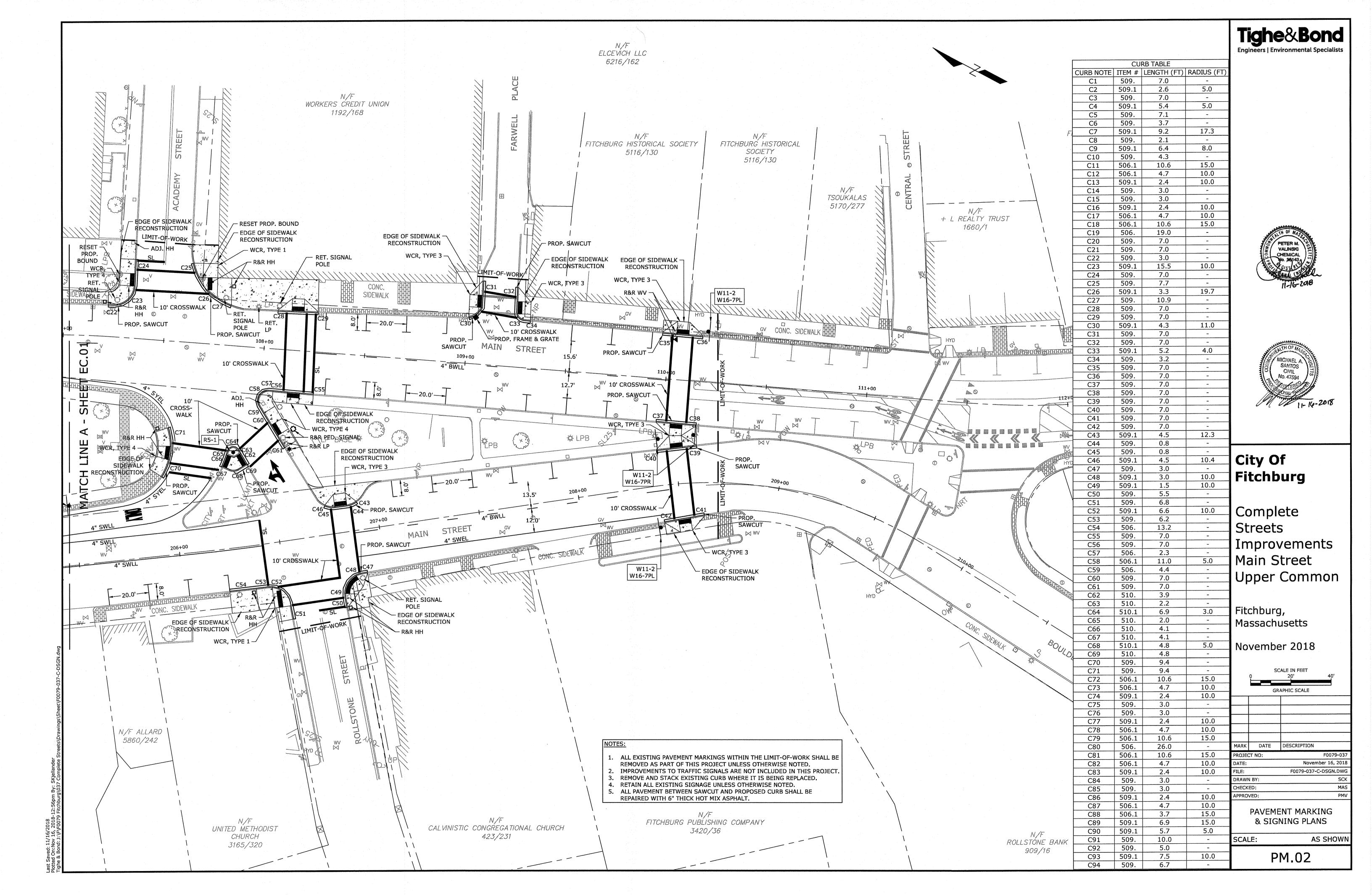
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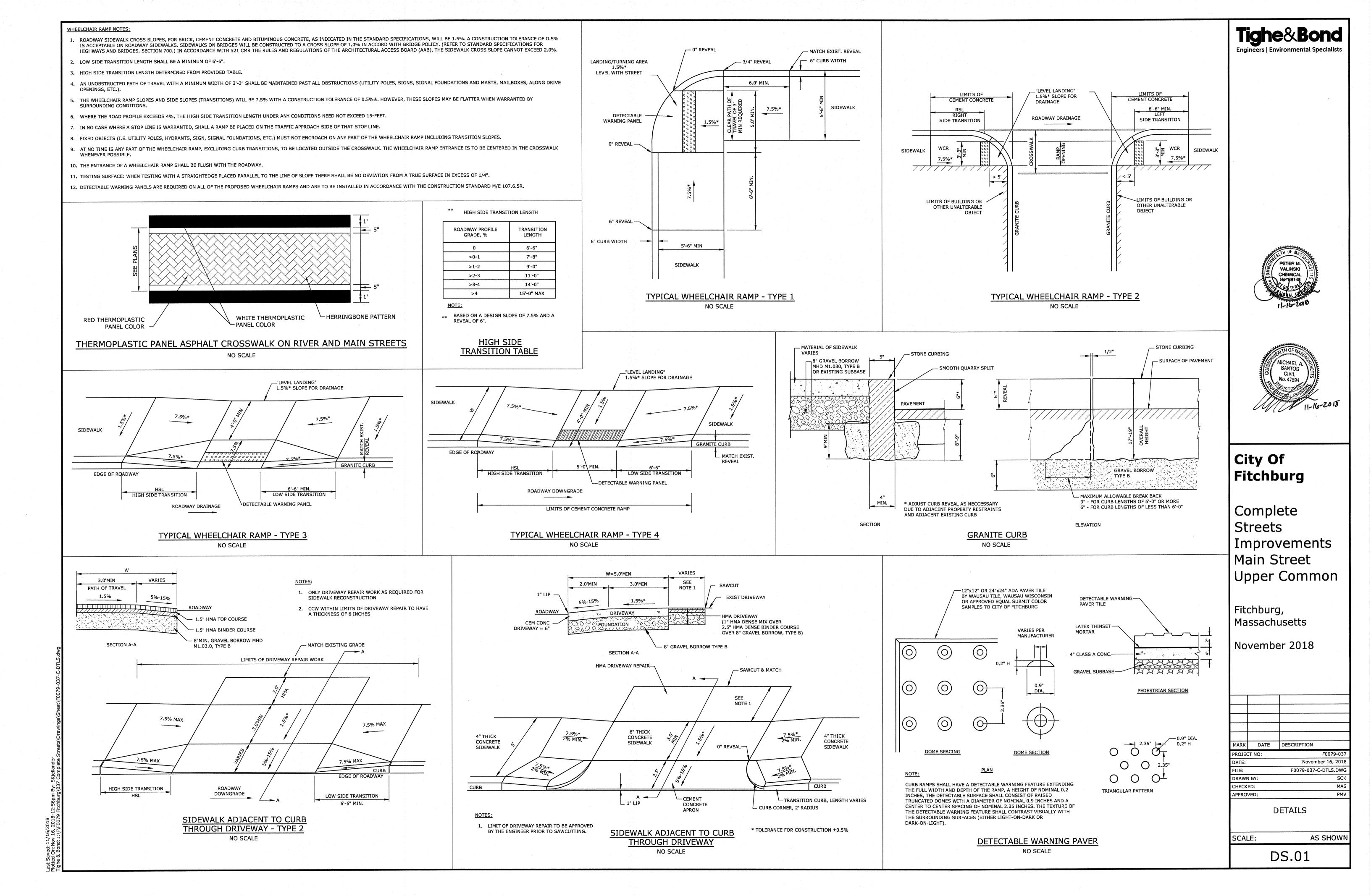




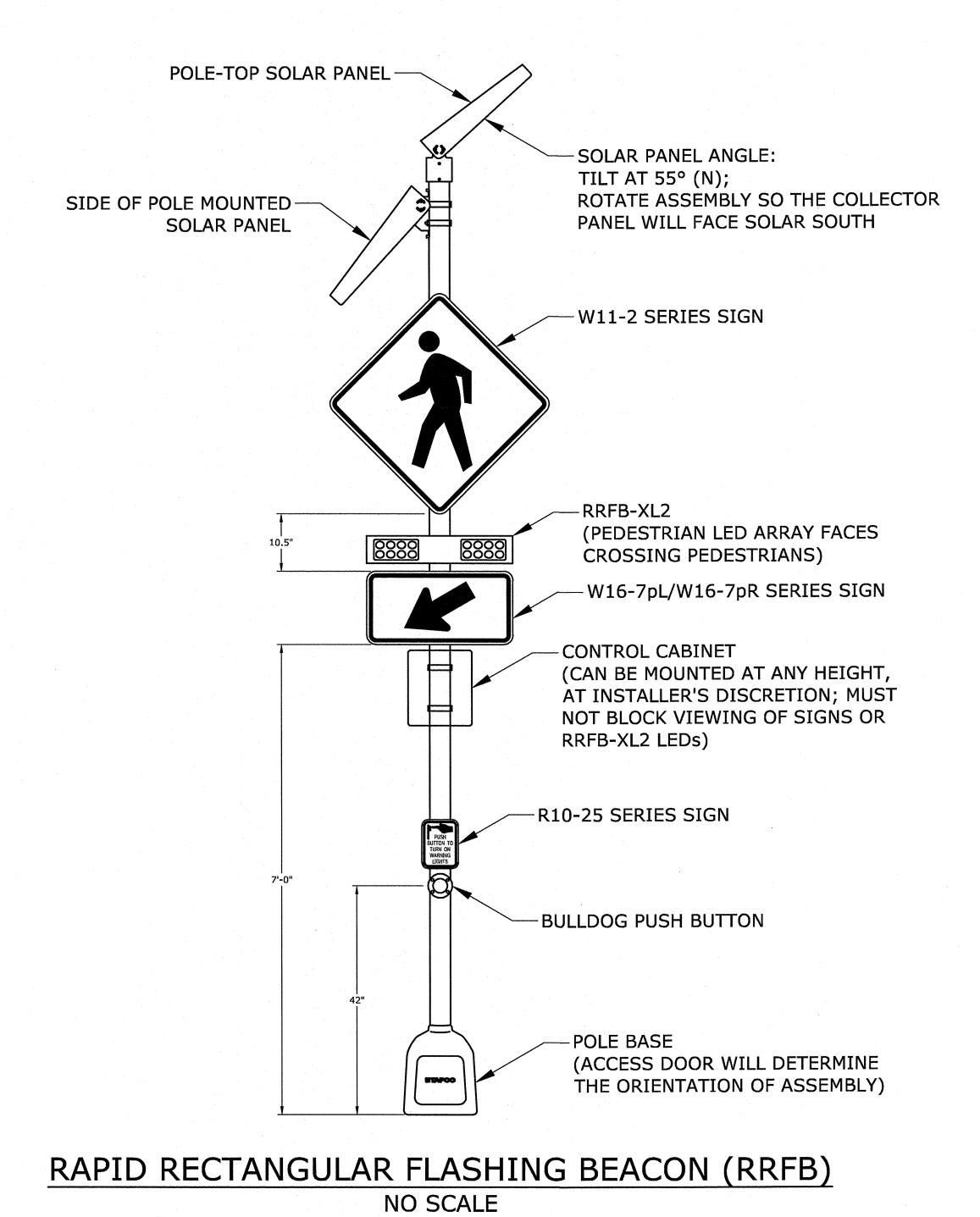








		SIZE 0	F SIGN		-	ΓEXT	DIMEN	ISION	S (IN))	NUMBER		COLOR		POST	AREA IN
	I.D. NUMBER	WIDTH (IN)	HEIGHT (IN)	TEXT	LET HEI		VERT SPA(ICAL CING	ARR RTE		OF SIGNS REQ'D	BACK- GROUND	LEGEND	BORDER	SIZE AND NO. REQ'D	SQUARE FEET
1	R3-7L	30	30	LEFT LANE MUST TURN LEFT	SI	EE MI	JTCD	STAN	IDARD) S	1	WHITE	BLACK	BLACK	U– CHANNEL 1	6.25
	R3–7R	30	30	RIGHT LANE MUST TURN RIGHT							2	WHITE	BLACK	BLACK	U– CHANNEL 2	12.5
	R3-8a	44	30	A TONLY							1	WHITE	BLACK	BLACK	U– CHANNEL 1	9.17
	R5–1	30	30	DO NOT ENTER							1 .	WHITE	RED	BLACK	MOUNT W/R3-7L	6.25
F	R10—25	9	12	PUSH BUTTON TO TURN ON WARNING LIGHTS							4	WHITE	BLACK	BLACK	MOUNT W/RRFB	3.0
	W4-2R	30	30								1	YELLOW	BLACK	YELLOW	U— CHANNEL 1	6.25
	W11-2	30	30								4	YELLOW	BLACK	YELLOW	U– CHANNEL 4	25.0
	W11-2	30	30								4	YELLOW	BLACK	YELLOW	MOUNT W/RRFB	25.0
W	/16–7PL	24	12								2	YELLOW	BLACK	YELLOW	MOUNT W/W11-2	8.0
37-C-SIGN.dwg	√16−7PL	24	12								2	YELLOW	BLACK	YELLOW	MOUNT W/RRFB	8.0
ts\Drawings\Sheet\F0079-C	/16–7PR	24	12								2	YELLOW	BLACK	YELLOW	MOUNT W/W11-2	8.0
chburg\037 Complete Street	/16–7PR	24	12								2	YELLOW	BLACK	YELLOW	MOUNT W/RRFB	8.0
the & Bond: J:\F\F0079 Fitc	V16-7PR	<u>-</u>									4				4" TUBULAR ROUND STEEL 4	EACH



Tighe&Bond
Engineers | Environmental Specialists





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Complete
Streets
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Main Street
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Fitchburg, Massachusetts

November 2018

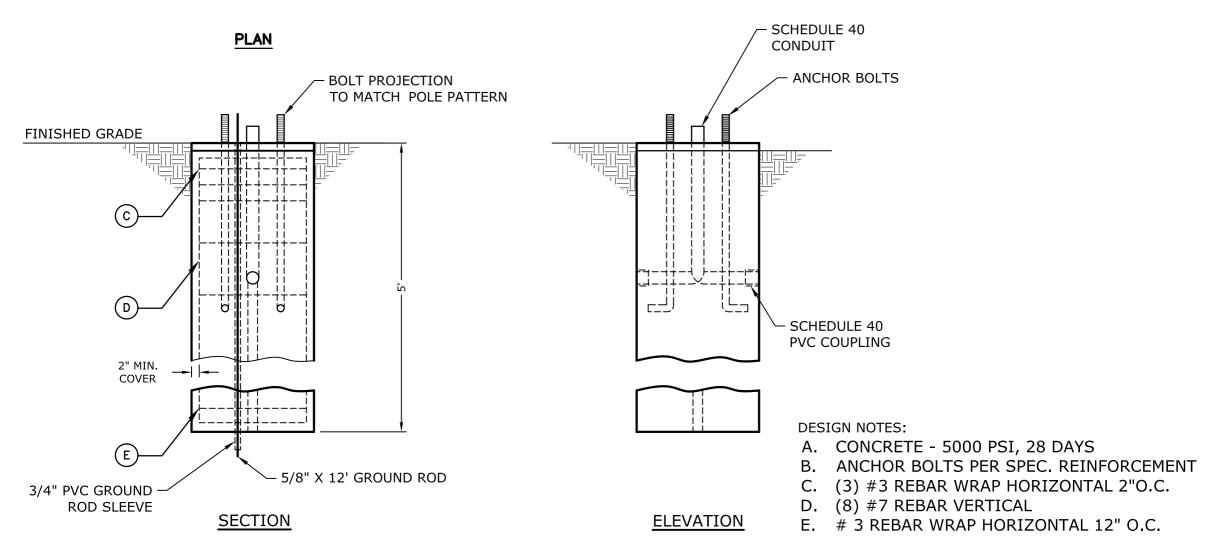
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DRAWN	DRAWN BY: SCK						
CHECK	CHECKED: MAS						
APPROVED: PM\							
	SIGN TEXT						

SIGN TEXT LAYOUT

SCALE: AS SHOWN

SN.01

RRFB Foundation



LIGHT STANDARD FOUNDATION NO SCALE