LEGEND

EXISTING DRAIN MANHOLE	
EXISTING SANITARY MANHOLE	
EXISTING CATCH BASIN	
EXISTING PUBLIC WATER LINE	PW
EXISTING SANITARY SEWER LINE	SS
EXISTING GAS LINE	G
EXISTING TELEPHONE LINE	T
EXISTING ELECTRICAL LINE	E
EXISTING SANITARY FORCE MAIN	SS
EXISTING STORM DRAIN LINE	SD
EXISTING WATER SERVICE & SHUT OFF VALVE	
NEW PUBLIC WATER LINE	PW
PROPERTY LINE	℄ ℄
EDGE OF PAVEMENT	
RETAINING WALL	
GUARDRAIL	
RAILROAD TRACKS	
STONE WALL	
WIRE OR CHAIN LINK FENCE	
STREET LIGHT	
UTILITY POLE	
UTILITY POLE WITH LIGHT	
DECIDUOUS TREE	
CONIFEROUS TREE	
CONIFEROUS SHRUB	
STREET SIGN	
EXISTING WATER GATE	
NEW WATER GATE	
NEW WATER MAIN CAP OR PLUG	
EXISTING HYDRANT	
NEW HYDRANT	
HEADWALL	
GAS GATE	
BORE HOLE	BP-1

ABBREVIATIONS

ASBESTOS CEMENT PIPE	AC	IRON PIPE	IP
BITUMINOUS CONCRETE	BIT CONC	MAIL BOX	MB
BOTTOM OF EXPLORATION	BOE	MANHOLE	MH
CAST IRON	CI	MECHANICAL JOINT	MJ
CATCH BASIN	CB	NOT TO SCALE	N.T.S.
CHAIN LINK FENCE	CLF	PAVED WALK	PW
CLASS OF PIPE	CL	POLYETHYLENE PIPE	PE
CONCRETE	CONC	POLY-VINYL CHLORIDE	PVC
CONCRETE WALK	CW	PROPERTY LINE	℄
CORRUGATED METAL PIPE	CMP	PUMP STATION	PS
DEBRIS	DB	REINFORCED CONCRETE PIPE	RCP
DIMENSION RATIO	DR	RIGHT OF WAY	R.O.W.
DRAIN MANHOLE	DMH	SANITARY MANHOLE	SMH
DUCTILE IRON	DI	STATION	STA
EROSION CONTROL	EC	STONE BOUND	SB
GAS GATE	GG	STREET LINE	℄
GRANITE CURB	GR CURB	TEMPORARY BENCH MARK	TBM
GUY WIRE	GW	TELEPHONE POLE	TP
GUY POLE	GP	TRAFFIC CONTROL	TC
HOUSE	HSE	UNDER CONSTRUCTION	UC
HYDRANT	HYD	UTILITY POLE	U.P.
INVERT	INV	UTILITY STRUCTURE	UT
		UNDELINEATED WETLAND AREA	UWA
		WATER GATE	WG
		WATER TIGHT COVER	WTC

GENERAL NOTES

1. EXISTING UTILITY LOCATIONS ARE BASED ON AVAILABLE INFORMATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT, OR OTHER METHODS WHERE REQUIRED, WHEN AUTHORIZED BY THE ENGINEER. SECTIONS OF NEW WATER MAIN MAY HAVE TO BE ADJUSTED BASED ON LOCATIONS AND DEPTH OF EXISTING UTILITIES. TEST PIT WORK REQUIRED BEFORE COMMENCEMENT OF MAINLINE PIPE WORK.
2. NEW WATER MAIN CROSSINGS OF EXISTING UTILITIES ALONG PROJECT ROUTE MUST BE COMPLETED IN A MANNER THAT WILL NOT INTERRUPT UTILITY SERVICE. ENGINEER AND UTILITY OWNER APPROVAL MUST BE OBTAINED TO TEMPORARILY SHUT DOWN UTILITY.
3. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN EXISTING WATER, GAS AND SEWER SERVICES TO RESIDENTS ALONG THE PROJECT ROUTE. DAMAGED SERVICES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
4. IN GENERAL, THE WATER MAIN SHALL HAVE A MINIMUM OF 5 FEET OF COVER. AT LOCATIONS WHERE GRADE CONFLICTS WITH EXISTING UNDERGROUND UTILITIES OR PIPES OCCUR, THE WATER MAIN SHALL BE INSTALLED DEEPER AS REQUIRED TO PROVIDE A MINIMUM OF 6" VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND THE UTILITY PIPE EXCEPT FOR A SEWER CROSSING WHERE THE WATER MAIN SHALL BE INSTALLED 18 INCHES ABOVE THE SEWER.
5. WHEREVER POSSIBLE, THE WATER MAIN SHALL BE INSTALLED 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY FROM ANY EXISTING SANITARY SEWER. THE WATER MAIN SHALL CROSS ABOVE THE SEWER. AT CROSSINGS, ONE FULL LENGTH OF PIPE SHALL BE INSTALLED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER PIPE AS POSSIBLE.
6. PROPERTY LINE INFORMATION AS SHOWN ON THE PLANS WAS OBTAINED FROM VARIOUS SOURCES, LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE PURPOSES ONLY.
7. LOCATION OF PROPOSED SERVICES IS APPROXIMATE ONLY, AND MAY BE ADJUSTED AFTER PIPE INVESTIGATION WORK.
8. ALL WATER SERVICES SHALL BE 1" DIAMETER COPPER UNLESS OTHERWISE NOTED.
9. FOR NEW SERVICES, THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CORPORATION, COPPER TUBING AND CURB STOP AND BOX AT LOCATION DESIGNATED BY ENGINEER. IN GENERAL, NEW SERVICES SHALL BE INSTALLED TO THE PROPERTY LINE. EXISTING SERVICE PIPING SHALL BE CAPPED ONCE SERVICE IS TRANSFERRED TO NEW WATER MAIN.
10. ALL DUCTILE IRON OR CAST IRON FITTINGS (AT ALL LOCATIONS) SHALL HAVE MECHANICAL JOINTS (MJ) AND RETAINER GLANDS.
11. ALL BENDS, TEES, HYDRANTS, END CAPS AND PLUGS SHALL HAVE CONCRETE THRUST BLOCKS IN ADDITION TO RETAINER GLANDS.
12. THE CONTRACTOR SHALL REMOVE AND REPLACE FENCES, MAILBOXES, CURBING, ETC. AS NECESSARY. CONDITION OF REPLACED ITEMS SHALL BE EQUAL OR BETTER THAN ORIGINAL CONDITION PRIOR TO REMOVAL.
13. BORING LOCATIONS SHOWN ARE APPROXIMATE ONLY AND BORINGS ARE NOT WARRANTED OR GUARANTEED IN ANY WAY TO REPRESENT THE EXISTING CONDITIONS. BORING LOGS ARE INCLUDED IN THE SPECIFICATIONS AND ARE AVAILABLE AS SPECIFIED IN SECTION 00300.
14. SILTATION CONTROL MEASURES SHALL BE TAKEN AT ALL CATCH BASINS WITHIN THE PROJECT AREA TO PREVENT SILTATION OF THE TOWN'S STORM DRAINAGE SYSTEM.
15. ALL ABANDONED WATER MAIN OPEN ENDS SHALL BE PLUGGED WITH CONCRETE.
16. THE CONTRACTOR IS ADVISED THAT THE EXISTING WATER MAINS IN THE PROJECT AREA ARE CONSTRUCTED OF ASBESTOS-CEMENT AND SHALL TAKE PRECAUTIONS TO AVOID DAMAGING THESE MAINS AS WELL AS TO INSURE WORKER SAFETY. ALL ASBESTOS CEMENT PIPE REMOVED AS A RESULT OF THIS PROJECT SHALL BE HANDLED, TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE ASBESTOS ABATEMENT PROCEDURES AND REGULATIONS AS DEFINED IN THE SPECIFICATIONS.
17. THE LOCATIONS OF EXISTING WATER SERVICES HAVE BEEN INDICATED ON THE PLANS FOR THOSE LOCATIONS WHERE DATA WAS AVAILABLE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE REMAINING SERVICES BY TEST PIT, WHEN AUTHORIZED BY THE ENGINEER.
18. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING SECTIONS OF THE EXISTING WATER MAINS WHEN DAMAGED DURING CONSTRUCTION ACTIVITIES. A PAYMENT ITEM EXISTS FOR THE REPAIR OF THE EXISTING WATER MAINS PRIOR TO ACTIVATION OF THE NEW WATER MAIN. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACTOR'S PRICE BID.

SHEET INDEX

SHEET NO.	TITLE
1	COVER SHEET
2	LEGEND, ABBREVIATIONS AND NOTES
3	PARKER STREET - STA 0+00 TO STA 20+00
4	PARKER STREET - STA 20+00 TO STA 40+00
5	PARKER STREET - STA 40+00 TO STA 60+00
6	PARKER STREET - STA 60+00 TO STA 80+00
7	PARKER STREET - STA 80+00 TO STA 99+00
8	MISCELLANEOUS DETAILS 1
9	MISCELLANEOUS DETAILS 2
10	TRAFFIC CONTROL PLAN

RECORD PLAN

THIS RECORD PLAN WAS PREPARED BASED ON LIMITED INFORMATION GATHERED DURING CONSTRUCTION OF THE PROJECT AND INDICATES ONLY SIGNIFICANT CHANGES MADE FROM THE DESIGN PLANS DURING CONSTRUCTION.

Tighe&Bond
Consulting Engineers
53 Southampton Road
Westfield, Massachusetts
(413) 562-1600
www.tighebond.com

Parker Street Water Main Replacement

Department of Public Works

East Longmeadow, Massachusetts

Mark	Date	Description
B	12/03	RECORD PLAN
A	05/03	FINAL ISSUE

PROJECT NO:	E0451-2-02
FILE:	E0451\PARKERWM\INDEX
DRAWN BY:	CFY
CHECKED:	JT
APPROVED BY:	RP

ABBREVIATIONS, LEGEND AND GENERAL NOTES

SCALE: NONE

12/15/03