

LEGEND

EXISTING DRAIN MANHOLE	DMH	○
EXISTING SANITARY MANHOLE	SMH	○
EXISTING CATCH BASIN	CB	⊞
EXISTING PUBLIC WATER LINE	PW	—
EXISTING UTILITY SERVICE		----
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	----
NEW WATER LINE	PW	----
NEW WATER SERVICE		----
PROPERTY LINE	PL	—
EDGE OF PAVEMENT		—
RETAINING WALL		—
GUARDRAIL		—
RAILROAD TRACKS		—
STONE WALL		—
WIRE OR CHAIN LINK FENCE		—
EDGE OF WOODED AREA		—
HEDGES		—
STREET LIGHT	*	
UTILITY POLE	○	
UTILITY POLE WITH LIGHT	○	
DECIDUOUS TREE	○	
CONIFEROUS TREE	*	
CONIFEROUS SHRUB	*	
STREET SIGN	○	
EXISTING WATER GATE	○	
NEW WATER GATE		
NEW WATER CURB STOP	⊕	
EXISTING HYDRANT	○	
NEW HYDRANT	⊕	
NEW WATER COUPLING	■	
HEADWALL	┌	
GAS GATE	○	
MISC. OBJECT	⬢	
BORE HOLE	⊕ BP-1	
TEST PIT	⊗	

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	PL
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	SL
GRANITE CURB	GR CURB	TEMPORARY BENCH MARK	TBM
GUY WIRE	GW	TELEPHONE POLE	TP
GUY POLE	GP	TO BE DETERMINED	TBD
HOUSE	HSE	TRAFFIC CONTROL	TC
HYDRANT	HYD	UNDER CONSTRUCTION	UC
INVERT	INV	UTILITY POLE	U.P.
NOT SERVICED	N.S.	UTILITY STRUCTURE	UT
		UNDELINEATED WETLAND AREA	UWA
		WATER GATE	WG
		WATER TIGHT COVER	WTC

GENERAL NOTES

- EXISTING UTILITY LOCATIONS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT WHEN AUTHORIZED BY THE ENGINEER OR OTHER METHOD WHERE REQUIRED.
- 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.
- 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.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN EXISTING WATER AND OTHER UTILITY SERVICES TO RESIDENTS ALONG THE PROJECT ROUTE. DAMAGED SERVICES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
- DATUM = 1929 NAVD (NORTH AMERICAN VERTICAL DATUM).
- SILTATION CONTROL MEASURES SHALL BE TAKEN AT ALL CATCH BASINS WITHIN THE PROJECT AREA TO PREVENT SILTATION OF THE TOWN'S STORM DRAINAGE SYSTEM.
- THE CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY TO TEMPORARILY BRACE UTILITY POLES WHERE NECESSARY.
- ALL STREETS WITHIN PROJECT AREA HAVE BITUMINOUS CONCRETE CURB.

WATER SYSTEMS NOTES

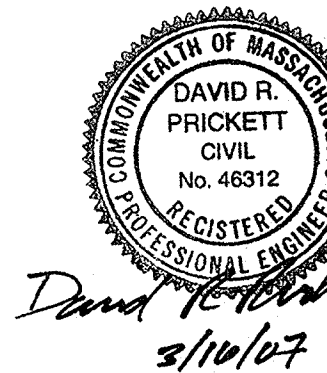
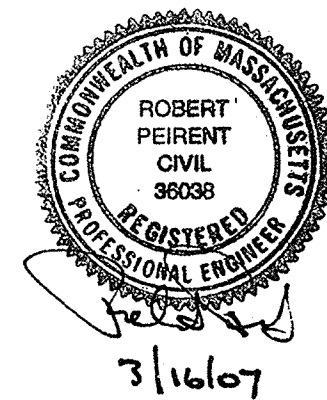
- IN GENERAL, THE WATER MAIN AND SERVICES SHALL HAVE A MINIMUM OF 5 FEET OF COVER. AT LOCATIONS WHERE GRADE CONFLICTS WITH EXISTING UNDERGROUND UTILITIES OR PIPES OCCUR, THE WATER MAIN SHALL BE INSTALLED DEEPER AS REQUIRED TO PROVIDE A MINIMUM OF 6" VERTICAL CLEARANCE BETWEEN THE WATER MAIN AND THE UTILITY PIPE EXCEPT FOR A SEWER CROSSING WHERE THE WATER MAIN SHALL BE INSTALLED 18 INCHES ABOVE THE SEWER.
- THE CONTRACTOR SHALL EXCAVATE TEST PITS WHERE INDICATED AND AS DIRECTED BY THE ENGINEER TO LOCATE EXISTING WATER MAINS AND OTHER UTILITIES PRIOR TO CONSTRUCTION. LOCATIONS & DEPTH OF NEW WATER MAIN MAY NEED TO BE ADJUSTED BASED ON LOCATION AND DEPTH OF EXISTING UTILITIES.
- ALL FITTINGS SHALL HAVE MECHANICAL JOINTS AND RETAINER GLANDS.
- THE USE OF CONCRETE THRUST BLOCKS SHALL BE FIELD DETERMINED BY THE ENGINEER, BASED ON AVAILABLE CLEARANCE TO EXISTING UTILITIES. REGARDLESS OF WHETHER THRUST BLOCKS ARE USED OR NOT, RESTRAINED JOINTS SHALL BE USED ON BOTH SIDES OF BENDS AND FITTINGS, AND ON SOME PIPE JOINTS PER SHEET 6 AND SPECIFICATION SECTION 02514.
- THE LOCATIONS OF SOME EXISTING WATER SERVICES TO BE REPLACED ARE NOT KNOWN AND ARE NOT SHOWN ON THE DRAWINGS. AS REQUIRED, THE CONTRACTOR SHALL EXCAVATE TEST PITS OR USE OTHER MEANS TO DETERMINE THE LOCATION OF THESE SERVICES IN ORDER TO COMPLETE THE RECONNECTION.
- ALL WATER SERVICES SHALL BE 1" DIAMETER UNLESS OTHERWISE NOTED.
- IN GENERAL, NEW SERVICE PIPE SHALL BE INSTALLED TO THE PROPERTY LINE AND HAVE A MINIMUM COVER OF 5 FEET. A NEW CURB STOP & BOX SHALL BE INSTALLED AT OR NEAR THE PROPERTY LINE AND CONNECTED TO THE EXISTING WATER SERVICE PIPE JUST PAST THE PROPERTY LINE. EXISTING SERVICE PIPING SHALL BE CAPPED ONCE SERVICE IS TRANSFERRED TO NEW MAIN.
- ASBESTOS CEMENT PIPE TO BE REMOVED AS A RESULT OF THIS PROJECT SHALL BE HANDLED, TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE ASBESTOS ABATEMENT PROCEDURES AND REGULATIONS AND SECTION 13281.
- THE NEW WATER MAIN SHALL BE FULLY TESTED, CHLORINATED AND OPERATIONAL BEFORE TRANSFERRING HOUSE SERVICES.
- EXISTING ABANDONED WATER MAINS WHICH ARE IN CONFLICT WITH THE PROPOSED WATER MAINS SHALL BE CUT AND REMOVED AND THE OPEN ENDS OF THE SECTIONS OF WATER MAIN THAT REMAIN SHALL BE PLUGGED WITH CONCRETE.

SHEET INDEX

SHEET NO.	TITLE
1	COVER SHEET
2	LEGEND, ABBREVIATIONS AND NOTES
3	TAYLOR STREET - STA. 0+00 TO STA. 11+80
4	TAYLOR AVENUE - STA. 0+00 TO STA. 3+70 RANKIN AVENUE - STA. 0+00 TO STA. 8+67
5	GERRARD AVENUE - STA. 0+00 TO STA. 5+55 GERRARD AVENUE/LULL STREET STA. 0+00 TO STA. 8+37
6	WATER SYSTEM DETAILS
7	MISCELLANEOUS DETAILS
8	TRAFFIC CONTROL PLAN

Tighe&Bond

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



FY 2007  
Water Main  
Improvements

Town of  
East Longmeadow

East Longmeadow,  
Massachusetts

B	12/07	Record Plans
A	12/06	Initial Issue
Mark	Date	Description
PROJECT NO: E526/1		
FILE: SHEET2		
DRAWN BY: RFB		
CHECKED: SMS, DRP		
APPROVED BY: RP		

LEGEND, ABBREVIATIONS AND  
NOTES

SCALE: NONE

SHEET 2

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.