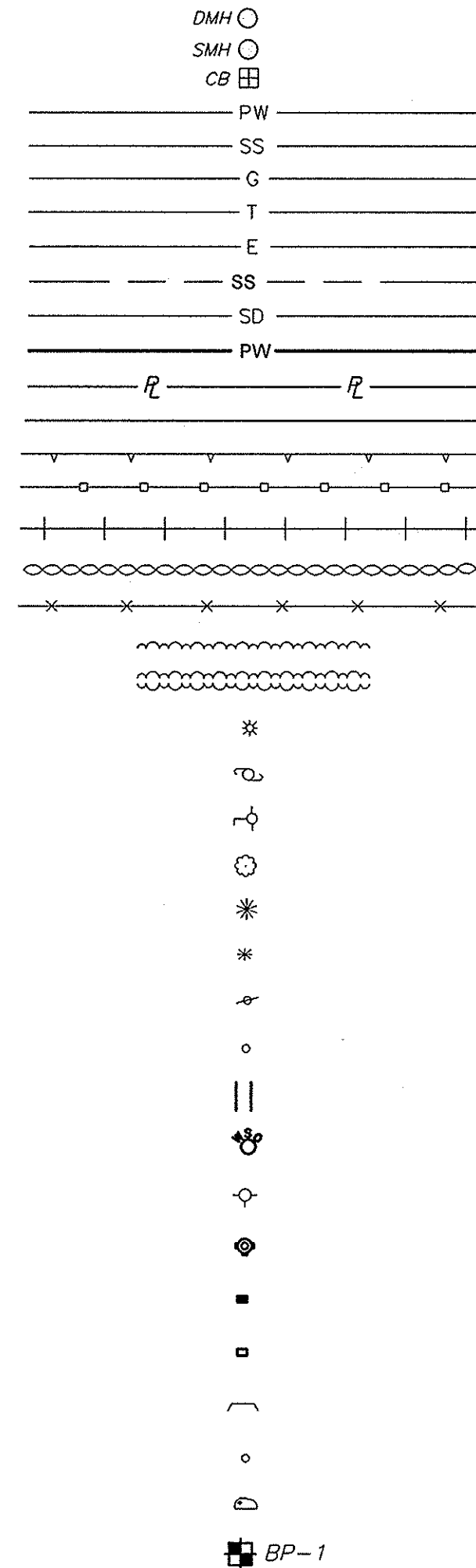


EXISTING DRAIN MANHOLE
EXISTING SANITARY MANHOLE
EXISTING CATCH BASIN
EXISTING PUBLIC WATER LINE
EXISTING SANITARY SEWER LINE
EXISTING GAS LINE
EXISTING TELEPHONE LINE
EXISTING ELECTRICAL LINE
EXISTING SANITARY FORCE MAIN
EXISTING STORM DRAIN LINE
NEW WATER LINE
PROPERTY LINE
EDGE OF PAVEMENT
RETAINING 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
NEW SEWER COUPLING
HEADWALL
GAS GATE
MISC. OBJECT
BORE HOLE



ASBESTOS CEMENT PIPE	AC	IRON PIPE
BITUMINOUS CONCRETE	BIT CONC	MAIL BOX
BOTTOM OF EXPLORATION	BOE	MANHOLE
CAST IRON	CI	MECHANICAL JOINT
CATCH BASIN	CB	NOT TO SCALE
CHAIN LINK FENCE	CLF	PAVED WALK
CLASS OF PIPE	CL	POLYETHYLENE PIPE
CONCRETE	CONC	POLY-VINYL CHLORIDE
CONCRETE WALK	CW	PROPERTY LINE
CORRUGATED METAL PIPE	CMP	PUMP STATION
DEBRIS	DB	REINFORCED CONCRETE PIPE
DIMENSION RATIO	DR	RIGHT OF WAY
DRAIN MANHOLE	DMH	SANITARY MANHOLE
DUCTILE IRON	DI	STATION
EROSION CONTROL	EC	STONE BOUND
GAS GATE	GG	STREET LINE
GRANITE CURB	GR CURB	TEMPORARY BENCH MARK
GUY WIRE	GW	TELEPHONE POLE
GUY POLE	GP	TRAFFIC CONTROL
HOUSE	HSE	UNDER CONSTRUCTION
HYDRANT	HYD	UTILITY POLE
INVERT	INV	UTILITY STRUCTURE
NOT SERVICED	N.S.	UNDELINEATED WETLAND AREA
		WATER GATE

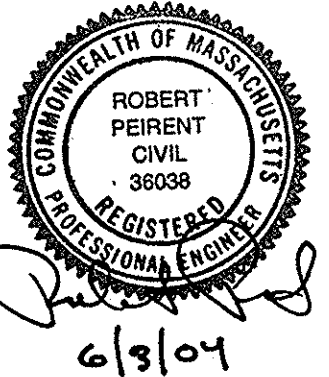
1. EXISTING UTILITY LOCATIONS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT WHEN AUTHORIZED BY THE ENGINEER OR OTHER METHOD WHERE REQUIRED.
2. THE CONTRACTOR SHALL REMOVE AND REPLACE FENCES, MAILBOXES, CURBING, ETC. AS NECESSARY. CONDITION OF REPLACED ITEMS SHALL BE EQUAL OR BETTER THAN ORIGINAL CONDITION PRIOR TO REMOVAL.
3. 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.
4. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO MAINTAIN EXISTING WATER AND GAS SERVICES TO RESIDENTS ALONG THE PROJECT ROUTE. DAMAGED SERVICES SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER.
5. DATUM = 1929 NAVD (NORTH AMERICAN VERTICAL DATUM).
6. SILTATION CONTROL MEASURES SHALL BE TAKEN AT ALL CATCH BASINS WITHIN THE PROJECT AREA TO PREVENT SILTATION OF THE TOWN'S STORM DRAINAGE SYSTEM.

1. 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.
2. 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.
3. ALL DUCTILE IRON OR CAST IRON FITTINGS SHALL HAVE MECHANICAL JOINTS AND RETAINER GLANDS.
4. ALL BENDS, TEES, HYDRANTS, END CAPS AND PLUGS SHALL HAVE CONCRETE THRUST BLOCKS IN ADDITION TO RETAINER GLANDS.
5. 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.
6. ALL WATER SERVICES SHALL BE 1" DIAMETER UNLESS OTHERWISE NOTED.
7. FOR NEW SERVICES, THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW CORROSION, 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.
8. ALL ABANDONED WATER MAIN OPEN ENDS SHALL BE PLUGGED WITH CONCRETE.
9. 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.
10. THE NEW WATER MAIN SHALL BE FULLY TESTED, CHLORINATED AND OPERATIONAL BEFORE TRANSFERRING HOUSE SERVICES.

<u>SHEET NO.</u>	<u>TITLE</u>
1	COVER SHEET
2	LEGEND, ABBREVIATIONS AND NOTES
3	VERANDA AVE., NEWBURY AVE., ALPINE STREET
4	MERRIAM STREET, GREENACRE LANE
5	CALKINS AVE., MURRY COURT
6	KELSEY STREET, NELSON STREET, HAMLET STREET
7	WATER SYSTEM DETAILS
8	MISCELLANEOUS DETAILS
9	TRAFFIC CONTROL 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.

Seal of Michael R. Parsons, Registered Professional Engineer, Commonwealth of Massachusetts, No. 29270. The seal is circular with a scalloped border. The text around the border reads "COMMONWEALTH OF MASSACHUSETTS" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. The center of the seal contains the text "MICHAEL R. PARSONS", "29270", and "SANITARY". Below the seal, the signature "Michael R. Parsons" and the date "6/5/04" are handwritten.



East Longmeadow,
Massachusetts

1	1/05	RECORD PLAN
Mark	Date	Description
PROJECT NO: E0451-3-02		
FILE: E0451\INDEX		
DRAWN BY: TMF		
CHECKED: SMS		
APPROVED BY: RP, MRP		

LEGEND, ABBREVIATIONS AND NOTES

SCALE: NONE

SHEET 2 OF 9