

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SEWAGE TREATMENT PLANT	— S —	— S' —
FORCE MAIN	— 14" —	— 6" —
WATER MAIN	— W —	— W' —
TEMPORARY WATER	— 18" —	— 18" —
STORM DRAIN	— 18" —	— 18" —
GAS	— G —	— G' —
ELECTRIC	— E —	— E' —
TELEPHONE	— T —	— T' —
HOUSE CONNECTION	— H —	— H' —
GRINDER PUMP	— GP —	— GP' —
SANITARY SEWER MANHOLE	— SM —	— SM' —
STORM DRAIN MANHOLE	— SD —	— SD' —
ELECTRICAL MANHOLE	— EM —	— EM' —
TELEPHONE MANHOLE	— TM —	— TM' —
AIR RELEASE VALVE MANHOLE	— AV —	— AV' —
FORCE MAIN CLEANOUT MANHOLE	— FM —	— FM' —
CLEANOUT	— C —	— C' —
CATCH BASIN	— CB —	— CB' —
CATCH BASIN (CURB INLET)	— CB —	— CB' —
HYDRANT	— H —	— H' —
TEMPORARY HYDRANT	— H —	— H' —
GATE VALVE	— G —	— G' —
CHECK VALVE	— C —	— C' —
CURB STOP	— CS —	— CS' —
BUTTERFLY VALVE	— BV —	— BV' —
BALL VALVE	— B —	— B' —
REDUCER	— R —	— R' —
CAP OR PLUG	— P —	— P' —
GAS GATE VALVE	— G —	— G' —
UTILITY POLE	— U —	— U' —
LIGHT POST	— L —	— L' —
EDGE OF PAVEMENT	— E —	— E' —
EDGE OF UNPAVED ROAD	— E —	— E' —
CURB	— C —	— C' —
SIDEWALK	— S —	— S' —
RAILROAD	— R —	— R' —
STONE WALL	— S —	— S' —
RETAINING WALL	— R —	— R' —
FENCE	— F —	— F' —
INDIVIDUAL DECIDUOUS TREE	— D —	— D' —
INDIVIDUAL EVERGREEN TREE	— E —	— E' —
TREE LINE	— T —	— T' —
SURVEY MARKER	— S —	— S' —
PROPERTY LINE	— P —	— P' —
EASEMENT LINE	— E —	— E' —
LIMIT OF WORK	— L —	— L' —
APPROX. LIMIT OF REFUSE	— R —	— R' —
SPOT ELEVATIONS	— S —	— S' —
CONTOUR LINES	— C —	— C' —
DEPRESSION CONTOUR LINES	— D —	— D' —
HOUSE NUMBER	— H —	— H' —
FLOOR ELEVATION	— F —	— F' —
SILL ELEVATION	— S —	— S' —
WETLAND	— W —	— W' —
RIP RAP	— R —	— R' —
STATE HIGHWAY STATION	— S —	— S' —
SURFACE MOUNTED DELINEATOR	— D —	— D' —
GUARD POST	— G —	— G' —
BOLLARD	— B —	— B' —
SKIN	— S —	— S' —
BENCH MARK	— B —	— B' —
AUGER	— A —	— A' —
PERCOLATION TEST	— P —	— P' —
TEST PIT	— T —	— T' —
BORING	— B —	— B' —
PROBE	— P —	— P' —
INLET PROTECTION	— I —	— I' —
LIMIT OF RECLAMATION AND OVERLAY	— L —	— L' —
SITUATION FENCE	— S —	— S' —
HAY BALES	— H —	— H' —
ROCK OUTCROP	— R —	— R' —
DRAINAGE DITCH / SWALE	— D —	— D' —

NOTE: ITEMS SHOWN IN THE LEGEND MAY NOT BE PRESENT IN THESE PLANS

ABBREVIATIONS	
AC	ASBESTOS CEMENT PIPE
ACOMP	ASPHALT COATED CORRUGATED METAL PIPE
ARV	AIR RELEASE VALVE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE
BIDG	BLIND
BM	BENCH MARK
BO	BLOW OFF
BV	BUTTERFLY VALVE
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CD	CAST IRON
CE	CENTERLINE
CH	CORRUGATED METAL PIPE
CMP	CONCRETE
CNC	CURB FEET
CY	CURB YARD
D	STORM DRAIN, DEPTH FROM RIM TO INVERT
DI	DROP INLET, DUCTILE IRON
DM	DRAIN MANHOLE
DMS	DRAIN MANHOLE
E	EAST
EA	EACH FACE
EF	ELEVATION
ELEV	EDGE OF PAVEMENT
EW	EACH WAY
EXIST	EXISTING
FLG	FLANGE
FT	FEET
G	GALV
GC	GALVANIZED
GR	GRANITE
HC	HOUSE CONNECTION
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HYD	HYDRANT
I	INVERT
INV	INSIDE DIAMETER
IP	IRON PIPE
LB	POUND
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MC	MASSACHUSETTS DISTRICT COMMISSION
MD	MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS
MECH	MECHANICAL
MH	MANHOLE
MHD	MASSACHUSETTS HIGHWAY DEPARTMENT
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MRA	MASSACHUSETTS WATER RESOURCES AUTHORITY
NE	NORTH EAST
NF	NORTH WEST
NO	NOT FOUND
NO OR #	NUMBER
OD	OUTSIDE DIAMETER
PE	PRESTRESSED CONCRETE CYLINDER PIPE
P	PLAIN END, POLYETHYLENE
PVC	PROPERTY LINE
PV	PLATE
PVCL	POLYVINYL CHLORIDE
PVCL	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
RQD	RIGHT-OF-WAY
S	SEWER, SOUTH
SE	SECTION
SECT	SQUARE FEET
SET	SPECIFICATIONS
SO	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
STA	STATION
STL	STEEL
SW	SIDEWALK, SOUTH WEST
T	HYDROSTATIC THRUST, TELEPHONE
TM	TEMPORARY BENCH MARK
TK	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
W	WATER, WEST
W/O	WITHOUT

CONSTRUCTION NOTES

- THE CONTRACTOR SHALL CALL DGSafe AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DISSAFE PROJECT REFERENCE NUMBERS(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
- LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
- TEST PITS TO LOCATE EXISTING UTILITIES MAY BE OPENED TO A DEPTH OF 4 FEET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING UTILITIES OR VERIFY EXISTING UTILITY LOCATION, SIZE AND TYPE.
- STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AS NECESSARY TO PERFORM THE WORK AND REPLACED TO A CONDITION AT LEAST EQUAL TO THAT BEFORE CONSTRUCTION BEGAN. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
- ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
- PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- UNLESS OTHERWISE INDICATED, CONCRETE USED FOR PIPE ANCHOR BLOCKS, BACKING, PIPE CRADLES, ARCHES, AND FILL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- APPROVED JOINT RESTRAINT METHODS SHALL BE PROVIDED FOR WATER MAINS WHERE ANY BENDS, TEES, PLUGS, OR WYES ARE INSTALLED. CONCRETE THRUST BLOCKS, ANCHOR BLOCKS, AND CURB STOP SHALL BE INSTALLED AND SHOWN ON THE DRAWINGS. WHERE JOINT RESTRAINT IS NOT FEASIBLE FOR THRUST BLOCK DETAILS AND MINIMUM BLOCK BEARING AREAS, SEE DETAILS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.
- NEW WATER MAINS AND SERVICES SHALL BE INSTALLED AT THE MINIMUM DEPTH FROM FINISH GRADE TO TOP OF PIPE AS SHOWN ON THE DRAWINGS. WHERE NECESSARY, NEW WATER MAINS SHALL BE INSTALLED AT A GREATER DEPTH TO CLEAR OBSTACLES SHOWN ON THE DRAWINGS AT NO ADDITIONAL COST TO THE OWNER. MINIMUM CLEARANCES TO UTILITIES, AS SHOWN ON THE DRAWINGS SHALL BE MAINTAINED.
- EXISTING SERVICES SHALL NOT BE CONNECTED TO THE EXISTING WATER MAIN LINE. THE CONTRACTOR SHALL PASS PRESSURE TEST AND DISINFECTION REQUIREMENTS.
- EXISTING WATER MAINS OR SERVICES SHALL NOT BE ABANDONED WITHOUT THE APPROVAL OF THE OWNER. WATER SERVICE SHALL NOT BE INTERRUPTED MORE THAN 4 HOURS WITHOUT PRIOR APPROVAL OF THE OWNER.
- ALL HYDRANTS REMOVED SHALL BE SALVAGED AND DELIVERED TO A LOCATION TO BE DETERMINED BY THE OWNER.
- ANY HYDRANT WHICH IS NOT IN SERVICE SHALL BE COVERED WITH A SECURELY FASTENED BURLAP BAG.
- VALVE BOXES ON MAINS TO BE ABANDONED SHALL BE REMOVED BY THE CONTRACTOR AND DELIVERED TO A LOCATION TO BE DETERMINED BY THE OWNER.
- EXISTING WATER MAINS PARALLEL TO PROPOSED WATER MAINS SHALL BE ABANDONED. ALL SERVICE CONNECTIONS SHALL BE TRANSFERRED TO NEW WATER MAIN AS REQUIRED.
- THE LOCATION OF PIPES, CAPS, REDUCERS, BENDS, AND OTHER FITTINGS AT POINTS OF CONNECTIONS TO EXISTING MAINS IS APPROXIMATE. CONTRACTOR SHALL DIG A TEST PIT AT EACH LOCATION TO DETERMINE THE EXISTING MAIN SIZE AND LOCATION. EXISTING PIPE AND THE LOCATION OF THE TIE-IN POINT.
- ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING. COVERING WITH STEEL PLATES MAY BE ALLOWED IF APPROVED BY THE ENGINEER. NO TRENCHES SHALL REMAIN OPEN ON WEEKENDS OR HOLIDAYS WITHOUT PRIOR APPROVAL OF THE OWNER.
- ALL STREET EXCAVATIONS SHALL BE PAVED WITH TEMPORARY PAVEMENT AT THE END OF EACH WEEK.
- THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES WHICH HOLD WATER IN THE SYSTEM. THE OWNER WILL, ON 48 HOURS NOTICE FROM THE CONTRACTOR, OPEN AND/OR CLOSE ANY VALVES REQUIRED FOR DRAINING OR ADMITTING WATER TO THE VARIOUS SECTIONS OF THE WATER MAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER 48 HOURS IN ADVANCE OF ANY OCCUPANT THAT WILL BE WITHOUT WATER DUE TO A SHUTDOWN.

RECORD DRAWING

SHEET 2 OF 5

1-6

ABBREVIATIONS, NOTES, AND LEGEND

TOWN OF EAST LONGMEADOW, MASSACHUSETTS
BOARD OF PUBLIC WORKS



REGISTERED PROFESSIONAL ENGINEER

DATE: 11/26/01

No.	Date	Dr. By	App. By	Description
1	11/01	WGS	PJC	RECORD DRAWING

Weston & Sampson
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