

CONSTRUCTION NOTES:

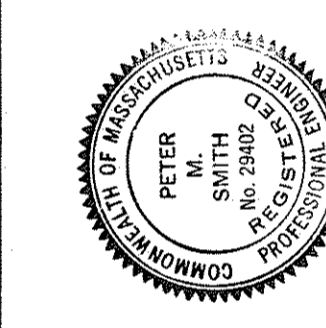
- THE CONTRACTOR SHALL CALL DIGSAFE AT 1-800-322-4844 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION.
- LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, 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 ORDERED BY THE ENGINEER.
- STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. 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.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- CONCRETE CRADLES OR ARCHES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS OR WHERE DIRECTED BY THE ENGINEER. 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.
- CONCRETE THRUST BLOCKS, ANCHOR BLOCKS, OR APPROVED JOINT RESTRAINT METHODS SHALL BE PROVIDED FOR FORCE MAINS WHERE ANY BENDS, TEES, PLUGS, OR WYES ARE INSTALLED, OR WHERE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS.
- SEWER AND DRAIN TRENCHES MAY BE EXCAVATED WIDER THAN THE 'LIMIT OF EXCAVATION AND PAYMENT FOR EARTH EXCAVATION' ABOVE THE 'LINE OF NARROW TRENCH LIMIT.' ANY SUCH ADDITIONAL EXCAVATION SHALL BE AT THE CONTRACTORS EXPENSE AND SHALL NOT BE MEASURED FOR PAYMENT.
- BELOW THE 'LINE OF NARROW TRENCH LIMIT' THE TRENCH SHOULD NOT BE EXCAVATED BEYOND THE TRENCH WIDTH 'W'. IF MATERIAL IS LOOSENED OR REMOVED BEYOND THE ABOVE MENTIONED LIMITS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CRUSHED STONE FOR THE FULL WIDTH OF THE TRENCH AT NO ADDITIONAL COST TO THE OWNER.
- SHEETING TO BE LEFT IN PLACE SHALL BE USED WHERE SHOWN ON THE DRAWINGS OR WHERE DIRECTED BY THE ENGINEER. IT SHALL BE LEFT IN PLACE BELOW A LINE 12 INCHES ABOVE THE TOP OF THE PIPE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- FOUR FOOT INSIDE DIAMETER MANHOLES SHALL BE USED WITH SEWERS LESS THAN 24 INCHES IN DIAMETER, AND FIVE FOOT INSIDE DIAMETER MANHOLES SHALL BE USED WITH SEWERS EQUAL TO OR GREATER THAN 24 INCHES IN DIAMETER, UNLESS OTHERWISE SPECIFIED.
- OPENINGS FOR PIPE IN PRECAST MANHOLE BASES SHALL BE CAST IN THE REQUIRED LOCATIONS DURING MANHOLE MANUFACTURE. FIELD CUT OPENINGS WILL NOT BE PERMITTED.
- FORM BRICK INVERTS IN MANHOLES WITH BRICK ON EDGE TO A DEPTH OF 0.8 INSIDE DIAMETER OF PIPE AND FORM A 1 INCH SLOPED BENCH WITH BRICK FLAT. INVERT SHALL BE SLOPED UNIFORMLY BETWEEN INLET AND OUTLET PIPE AND SHALL BE FORMED AND FILLED AS REQUIRED TO DIRECT THE FLOW AS INDICATED AND TO PREVENT DEPOSITION OF SOLIDS.
- IN PAVED AREAS THE TOP OF THE MANHOLE COVER SHALL BE SET FLUSH WITH THE PAVED SURFACE. IN OTHER AREAS THE TOP OF THE COVER SHALL EXTEND 2 INCHES ABOVE FINISHED GRADE, OR AS SHOWN ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER.
- CALCULATION OF PIPE SLOPES IS BASED ON ELEVATION CHANGES DIVIDED BY THE DISTANCE BETWEEN THE OUTSIDE EDGES OF THE MANHOLE WALLS. FOR FOUR FOOT DIAMETER MANHOLES, THIS DISTANCE WAS CALCULATED AS THE CENTERLINE STATIONING MINUS FIVE FEET. FOR FIVE FOOT DIAMETER MANHOLES, THIS DISTANCE WAS CALCULATED AS THE CENTERLINE STATIONING MINUS SIX FEET. 'IN' INDICATES UPSTREAM END OF MANHOLE, 'OUT' INDICATES DOWNSTREAM END OF MANHOLE.
- ALL TRENCH EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES.
- THE CONTRACTOR MUST GIVE THE ENGINEER AT LEAST 10 DAYS' NOTICE PRIOR TO PERFORMING ANY WORK IN WETLANDS.
- THE CONTRACTOR SHALL NOTIFY THE LOCAL WATER DEPARTMENT AT LEAST 72 HOURS PRIOR TO EXCAVATING NEAR WATERLINES.
- TWO SYSTEMS OF ELEVATIONS ARE USED IN THIS CONTRACT: USGS AND BUILDING LEVELS. DATUM FOR USGS ELEVATIONS IS MEAN SEA LEVEL. DATUM FOR BUILDING ELEVATIONS IS FINISH FLOOR ELEVATION OF UPPER LEVEL. ELEV. 0.00' (BUILDING LEVEL) = 125.00', (USGS).
- THE CONTRACTOR SHALL INSTALL THE PROPOSED FORCE MAIN FROM THE PUMPING STATION TO A POINT AS SHOWN ON THE DRAWINGS MAINTAINING A MINIMUM OF FIVE FEET OF COVER OVER THE FORCE MAIN. THIS WORK SHALL BE COORDINATED WITH THE CONTRACTOR RESPONSIBLE FOR CONSTRUCTION BEYOND THE LIMIT OF THIS CONTRACT. (SEE CONTRACT 92-2)
- THE CONTRACTOR SHALL PLACE BARRELS AND APPROPRIATE BARRICADES AROUND THE CONSTRUCTION SITE AT ALL LOCATIONS IN CLOSE PROXIMITY TO THE HIGHWAY ACCESS RAMPS.
- THE CONTRACTOR SHALL UTILIZE ONLY THE ACCESS ROAD FOR TRANSPORT OF CONSTRUCTION VEHICLES AND EQUIPMENT. ACCESS TO THE CONSTRUCTION SITE VIA EITHER OF THE TWO HIGHWAY ACCESS RAMPS SHALL NOT BE PERMITTED.

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	18" S VC	24" S PVC
WATER MAIN AND WATER SERVICE	6" W	1" W
STORM DRAIN	12" D RCP	12" D RCP
FORCE MAIN	20" FM AC	20" FM DI
ELECTRIC	E	E
TELEPHONE	T	T
SANITARY SEWER MANHOLE	○	● SMH
STORM DRAIN MANHOLE	○	● DMH
CATCH BASIN	⊞	■
GATE VALVE	⊞	⊞
CAP OR PLUG	○	○
UTILITY POLE	○	
EDGE OF PAVEMENT	—	—
FENCE	-x-x-	-x-x-
PROPERTY LINE	-P-	
LIMIT OF WORK	---	---
SPOT ELEVATIONS	X 124.0	X 124.0
CONTOUR LINES	120	122
BORING	⊕ B-1	

ABBREVIATIONS

- R.C.P. - REINFORCED CONCRETE PIPE
- P.V.C. - POLYVINYL CHLORIDE
- D.I. - DUCTILE IRON
- V.C. - VITRIFIED CLAY
- A.C. - ASBESTOS CEMENT

2	5/95	R.W.S.	M.L.M.	F.W.Y.	RECORD DRAWING
1	7/91	S.G.I.	M.L.M.	P.M.S.	GENERAL REVISIONS
No.	Date	Dr. By	Ck. By	App. By	Description
		A	P	R	O
					V
					E
					D
					DATE
					1/15/02



TOWN OF LEXINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS NORTH LEXINGTON MAIN PUMPING STATION	SCALE: NOTED	CONTRACT: 92-1	JOB NO. 9085	DR. BY R.W.S.	CK. BY M.L.M.	APP. BY P.M.S.
LEGEND AND NOTES						

