

LEGEND

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	
PROPOSED SANITARY FORCE MAIN	
PROPOSED HAY BALE/SILTATION FENCE	
PROPERTY LINE	
EDGE OF PAVEMENT	
RETAINING WALL	
GUARDRAIL	
RAILROAD TRACKS	
STONE WALL	
WIRE OR CHAIN LINK FENCE	
VEGETATED WETLANDS	
WETLANDS FLAGGING	
WETLANDS BOUNDARY	
100' BUFFER ZONE BOUNDARY	
LIMIT OF BORDERING LANDS SUBJECT TO FLOODING	
PROPOSED WETLAND IMPACT AREA (TEMPORARY)	
EDGE OF WOODED AREA	
HEDGES	
STREET LIGHT	
UTILITY POLE	
UTILITY POLE WITH LIGHT	
DECIDUOUS TREE	
CONIFEROUS TREE	
CONIFEROUS SHRUB	
STREET SIGN	
EXISTING WATER GATE	
WATER SHUT OFF	
EXISTING HYDRANT	
HEADWALL	
GAS GATE	
MISC. OBJECT	
BORE HOLE	
TEST PIT REQUIRED	
FORCE MAIN FLOW DIRECTION	

ABBREVIATIONS

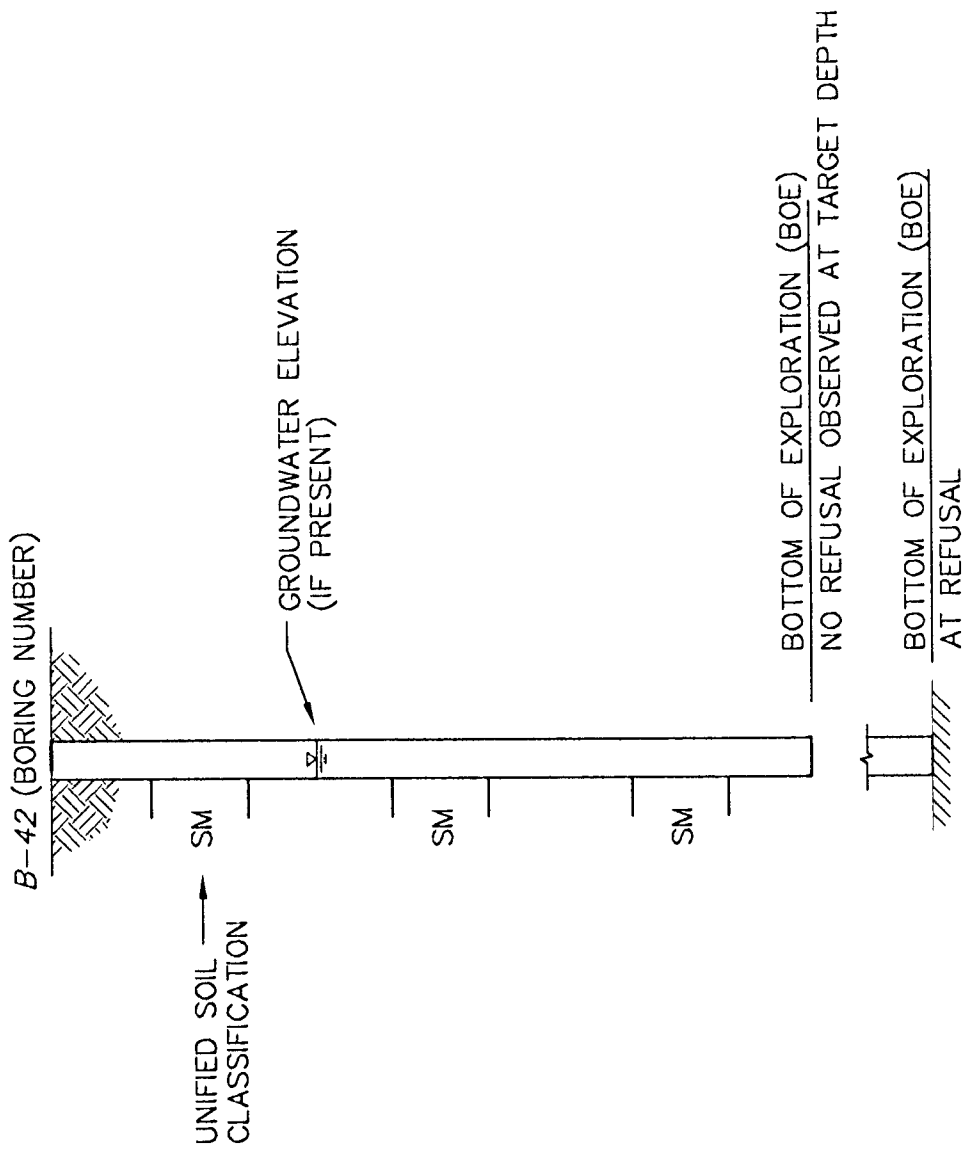
ASBESTOS	AC	IRON PIPE	IP
CEMENT PIPE	B.O.P.	MAIL BOX	MB
BEGINNING OF PROJECT	BIT CONC	MANHOLE	MH
BITUMINOUS CONCRETE	BIT CAPE	MECHANICAL JOINT	MJ
BITUMINOUS CONCRETE CAPE COD BERM	CI	NOT IN THIS CONTRACT	N.I.T.C.
CAST IRON	CB	NOT SERVICED	N.S.
CATCH BASIN	CLF	NOT TO SCALE	N.T.S.
CHAIN LINK FENCE	CL	PAVED WALK	PW
CLASS OF PIPE	CONC	POLYETHYLENE PIPE	PE
CONCRETE	CW	POLY-VINYL CHLORIDE	PVC
CONCRETE WALK	CMP	PROPERTY LINE	R
CORRUGATED METAL PIPE	DB	REINFORCED CONCRETE PIPE	RCP
DEBRIS	DR	RIGHT OF WAY	R.O.W.
DIMENSION RATIO	DMH	SANITARY MANHOLE	SMH
DRAIN MANHOLE	DW	STATION	STA
DRIVEWAY	DI	STONE BOUND	SB
DUCTILE IRON	E.O.P.	STREET LINE	\$
END OF PROJECT	EC	TEMPORARY BENCH MARK	TBM
EROSION CONTROL	FO	TELEPHONE POLE	TP
FIBER OPTIC CONDUIT	GAR	TRAFFIC CONTROL	TC
GARAGE	GR	UNDER CONSTRUCTION	UC
GAS GATE	GG	UTILITY POLE	U.P.
GRANITE CURB	GW	UTILITY STRUCTURE	UT
GUY WIRE	GP	UNDELINEATED WETLAND AREA	UWA
GUY POLE	HP	WATER GATE	WG
HIGH PRESSURE	HSE		
HOUSE	HYD		
HYDRANT	INV		
INVERT			

GENERAL NOTES

- EXISTING UTILITY LOCATIONS ARE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT WHEN AUTHORIZED OR DIRECTED BY THE ENGINEER.
- PRIOR TO COMMENCING SEWER CONSTRUCTION WORK, THE CONTRACTOR SHALL EXCAVATE TEST PITS WHERE INDICATED AND AS DIRECTED BY THE ENGINEER TO LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. SECTIONS OF PROPOSED SEWER MAY HAVE TO BE ADJUSTED BASED ON LOCATION AND DEPTH OF EXISTING UTILITIES.
- PRIOR TO COMMENCING SEWER CONSTRUCTION WORK, THE CONTRACTOR SHALL INVESTIGATE ALL WATER MAIN, CULVERT AND OTHER EXISTING UTILITY CROSSINGS TO VERIFY ELEVATIONS. IN THE EVENT OF CONFLICT, THE ENGINEER SHALL DETERMINE CROSSING "UNDER" OR "OVER", OR MAY DIRECT THE CONTRACTOR TO RELAY SECTIONS OF EXISTING PIPE, IF NO OTHER FEASIBLE SOLUTION IS PRACTICAL.
- WHEREVER POSSIBLE, THE SANITARY SEWERS SHALL BE LAID AT LEAST 10 FEET (HORIZONTALLY) AND 18 INCHES (VERTICALLY) FROM ALL EXISTING WATER MAINS.
- 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 (SECTION 00300).
- PROPERTY LINE INFORMATION SHOWN ON THE PLANS WAS TAKEN FROM AVAILABLE ASSESSOR MAP INFORMATION AND IS SHOWN FOR REFERENCE PURPOSES ONLY.
- CONTRACTOR TO REPLACE ANY AND ALL DAMAGED STORM DRAINS WITH SECTION OF SAME PIPE TYPE AND SIZE, EXCEPT AS PROVIDED FOR IN THE BID ITEMS AND AS SHOWN ON THE PLANS. THIS WORK SHALL BE IN ACCORDANCE WITH ENGINEER'S INSTRUCTION, AND AT NO ADDITIONAL COST TO THE OWNER.
- DAMAGE TO UNDERGROUND UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. PROPER REPAIRS SHALL BE MADE BY THE CONTRACTOR OR UTILITY COMPANY, AS ARRANGED BY THE CONTRACTOR, AND AS ACCEPTABLE TO THE ENGINEER. NO COMPENSATION SHALL BE ALLOWED UNDER THIS CONTRACT FOR THE REPAIR OF THIRD-PARTY UTILITIES IN THE PROJECT AREA.
- 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.
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AT ALL TIMES.
- SILTATION CONTROL MEASURES SHALL BE INSTALLED AT ALL CATCH BASINS WITHIN THE PROJECT AREA TO PREVENT SILTATION OF THE TOWN'S STORM DRAINAGE SYSTEM.
- ALL EXISTING DRIVEWAYS ARE BITUMINOUS CONCRETE TYPE UNLESS OTHERWISE SHOWN ON THE PLANS.
- PLEASE REFER TO SECTION 01720 FOR REQUIREMENTS RELATED TO ESTABLISHING TEMPORARY BENCHMARKS ALONG THE PROPOSED PROJECT.
- THE COORDINATE SYSTEM FOR THIS PROJECT IS THE MASSACHUSETTS STATE PLANE, NAD 83. FEET. THE VERTICAL DATUM IS NGVD 88.
- ALL BENDS AND FITTINGS SHALL BE DUCTILE IRON.
- WHERE BENDS AND FITTINGS ARE USED IN CONJUNCTION WITH THE PROPOSED FORCE MAIN, ALL PUSH ON JOINTS WITHIN 30 FEET ON BOTH SIDES OF THE FITTING SHALL BE MECHANICALLY RESTRAINED. THIS WORK, WHICH SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE FOR THE FORCE MAIN, IS IN LIEU OF CAST-IN-PLACE CONCRETE THRUST BLOCKS.
- EXISTING SEWER, WATER, GAS AND OTHER UTILITY SERVICES ARE NOT SHOWN ON THE PLANS, CONTRACTOR TO VERIFY THE LOCATION OF ALL SERVICE PIPES AS PART OF CONSTRUCTION ACTIVITIES.

INDEX OF SHEETS

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9	MISCELLANEOUS DETAILS
10	TRAFFIC MANAGEMENT



BORING LOG PROFILE LEGEND
REFER TO SOIL BORING LOGS CONTAINED IN THE
CONTRACT DOCUMENTS FOR ADDITIONAL DETAILS

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.

