

SCALE: 1" = 1,200'

GENERAL NOTES

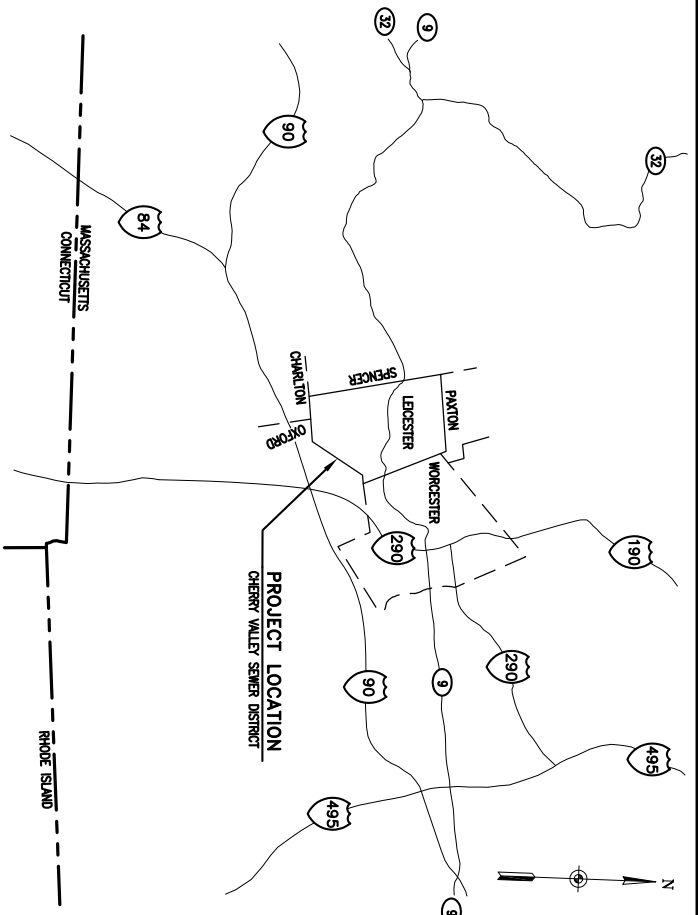
- ELEVATIONS REFERENCED ARE NATIONAL GEODESIC VERTICAL DATUM (NGVD), FORMERLY U.S. COAST AND GEODETIC SURVEY DATUM OF 1929.
- ALL STREET EXPANSIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES.
- THE CONTRACTOR MUST GIVE THE ENGINEER AT LEAST 10 DAYS NOTICE PRIOR TO PERFORMING ANY WORK IN WETLANDS.
- THE LOCATION OF UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES INVOLVED AND VERIFY IN THE FIELD THE EXACT LOCATION OF LINES AND SERVICES TO PREVENT DAMAGE, LOSS OF SERVICE DURING CONSTRUCTION, AND FOR REPLACEMENT OF SERVICES.
- EXISTING UTILITIES IN THE STREETS AND WITHIN THE LIMITS OF THE WORK ARE TO REMAIN IN OPERATION DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR ARCHIVING, SUPPLYING AND/OR RELAYING AND PROTECTING ALL UTILITIES EXISTING WITHIN THE CASE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL REPAIRS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEFORE PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE EXISTING UTILITIES AND SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF DAMAGE TO THE UTILITIES AND SERVICES. THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- ALL TREES ALONG THE PROJECT TO BE REMOVED SHALL BE REPLACED BY TREES IN ACCORDANCE WITH THE SPECIFICATIONS. ALL NEW TREES AND METHOD OF PLANTING SHALL BE IN ACCORDANCE WITH SECTION 7.11 OF THE MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND THE 1975 AEROSOL STANDARDS FOR NURSERY STOCK.
- THE CONTRACTOR SHALL FURNISH ALL PROTECTIVE AND/OR WARNING DEVICES AS REQUIRED TO CONTROL AND PROTECT THE PUBLIC IN ALL WORK AREAS. THE CONTRACTOR SHALL PROVIDE ALL SIGNAGE AS REQUIRED BY THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS SUPPLIES OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF DESIGNATED WETLANDS.
- IN ACCORDANCE WITH THE MAJOR REGULATIONS, ALL MANHOLES WITHIN A 2500 FOOT RADIUS OF A PUBLIC WELL SHALL HAVE WATERBUSH FRAMES AND COVERS.
- UNLESS OTHERWISE SPECIFIED, ALL NEW GRANITE SEWER PIPE WILL BE PFC A. PFC GRANITE SEWER PIPE 8 INCHES THROUGH 15 INCHES IN DIAMETER SHALL BE TYPE SPB-35 SUD-WALL PIPE CONFORMING TO THE REQUIREMENTS OF ASTM SPECIFICATION D-2024 OR ASTM SPECIFICATION F-789. CURRENT EVIDENCE, MANUFACTURER'S CERTIFICATES OF COMPLIANCE SHALL BE FURNISHED FOR ALL PIPE PRIOR TO INSTALLATION AND PIPE SHALL BE FINISHED AS REQUIRED FOR LABORATORY TESTING. METHODS OF SHIPPING SHALL BE ACCEPTABLE TO THE ENGINEER AND SHALL BE SUCH AS TO AVOID HARMFUL IMPACT ON THE PIPE. DAMAGED PIPE SHALL BE REMOVED FROM THE JOB. PIPE LENGTHS SHALL BE THE LONGEST AVAILABLE.
- JOINTS SHALL BE ELASTOMERIC, OIL RESISTANT GASKET JOINTS, ACCEPTABLE TO THE ENGINEER. PFC RESIN COMPOUND SHALL CONFORM TO ASTM D1791 AND ELASTOMERIC RINGS SHALL CONFORM TO ASTM D1889 AND SHALL BE FURNISHED FOR APPROVAL BEFORE DELIVERY, AND SAMPLES SHALL BE FURNISHED AS REQUIRED.
- GRANITE SEWER TE BRANCHES, WYES AND FITTINGS SHALL BE THE SAME TYPE AND CLASS AS THE PIPE ON WHICH THEY ARE USED AND SHALL CONFORM TO THE APPLICABLE ASTM SPECIFICATIONS. INSTALL AS PER ASTM D 2221, CLASS 1 BEDDING.
- REDDING AND COVER OVER PFC PIPE SHALL BE AS SPECIFIED HEREIN. THE COVER SHALL BE THE SAME TYPE AND CLASS AS THE PIPE ON WHICH THEY ARE USED AND SHALL CONFORM TO THE APPLICABLE ASTM SPECIFICATIONS. INSTALL AS PER ASTM D 2221, CLASS 1 BEDDING.
- WHERE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, GRADED SCREENED GRAVEL OR CRUSHED STONE 1/2 INCH TO 1 1/2 INCH SHALL BE USED.
- CONNECTIONS BETWEEN SEWERS, CHIMNEYS, AND SERVICES SHALL BE MADE WITH FACTORY-FORMED TEES, WYE-TEES, OR REDUCERS AND NOT WITH FIELD-FORMED FITTINGS.
- ALL COMPONENTS OF SERVICE CONNECTIONS SHALL BE OF THE SAME TYPE AND CLASS AS THE SEWER PIPE, ADAPTED FOR CONNECTION TO EXISTING SERVICES SHALL BE AS APPROVED BY THE ENGINEER.
- MANUAL WARNERS TO BE INSTALLED ON THE 2" X 4" BOARD MARKING THE END OF SERVICE CONNECTIONS SHALL BE DEE-1 AS MANUFACTURED BY BERNSTEIN, INC. WATSON, WI.
- MINIMUM EARTH COVER OVER PRESS SHALL BE 6'-0".
- MINIMUM VERTICAL CLEARANCE BETWEEN THE PROPOSED GRANITE SEWER AND EXISTING COLLECTORS OR DRAINAGE PIPES SHALL BE 6 INCHES UNLESS OTHERWISE NOTED.
- SHEETING SHALL BE USED WHERE SHOWN ON THE DRAWINGS OR WHERE DIRECTED BY THE ENGINEER. IF THE CONTRACTOR CHOOSES TO LEAVE IT OPEN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SHEETING LEFT IN PLACE IS NOT LESS THAN 3 FEET BELOW GRADE.
- SNW CUT ALL EXISTING BRIMMINGS CONCRETE PAVEMENTS AT LIMITS OF TRENCH EXPANSION.
- ALL DRAINAGE OUTLETS SHALL BE LOCATED AND HAVE SILT FENCE OR HANDLES INSTALLED AS REQUIRED PRIOR TO CONSTRUCTION.
- PROPERTY LINE INFORMATION WAS TAKEN FROM TOWN OF LEICESTER ASSESSOR'S MAPS AND IS APPROXIMATE ONLY.
- SHOULD CONSTRUCTION OPERATIONS REVEAL OR EXPOSE A WATERLINE (MAIN OR SERVICE) RUNNING APPROXIMATELY PARALLEL AND LESS THAN 10 FEET HORIZONTAL FROM THE PROPOSED SEWER INSTALLATION AND WHERE FEEL PROTECTION IS REQUIRED, THE CONTRACTOR SHALL FOLLOW THE METHODS OF PROTECTION LISTED BE ADOPTED.
- NO WORK SHALL BE CONDUCTED UNLESS THE OWNER'S REPRESENTATIVE IS NOT MEETING THIS REQUIREMENT.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE BUILDING MATERIAL, CONCRETE MASONRY, TREES, SHRUBS, DEBRIS AND OTHER MATERIALS NECESSARY FOR THE SATISFACTORY COMPLETION OF THE CONTRACT WORK AND AS REQUIRED BY THE OWNER. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN STRICT ACCORDANCE WITH MASSACHUSETTS LAW.
- ALL APPROPRIATE PERMITS AND APPROVALS WILL BE OBTAINED FROM AND AT LEAST SEVEN (7) DAYS NOTICE GIVEN TO THE LOCAL CONSERVATION COMMISSION AND THE WADSWORTH RESERVE PRIOR TO WORK WITHIN 100 FEET OF A BORDERING WETLAND OR WITHIN 200 FEET OF A WATERBUSH.
- CONDITIONS PRESENT A LATERAL SEPARATION OF 10 FEET OF SEWER LINE FROM THE WATERLINE. IT SHALL BE LAID OUT IN A SEPARATE TRENCH WITH THE TOP OF THE SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATERLINE.
- SHOULD THE WATER LINE CROSS OVER THE SEWER, THE WATER LINE SHALL BE INSTALLED IN A VERTICAL SEPARATION AND THIS CANNOT BE WAIVED TO ACHIEVE THE 18 INCH SEPARATION. THE WATER MAIN SHOULD BE CONSTRUCTED OR RECONSTRUCTED AND THE SEWER LINE SHALL BE CONSTRUCTED AND THE SEWER LINE SHALL BE INSTALLED IN A VERTICAL SEPARATION THAT IS WATERBUSH AND STRUCTURALLY SOUND AND SHALL EXTEND A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER LINE. THE TRENCH SHALL BE 48 INCHES WIDE AND SHALL BE AS FAR FROM THE SEWER AS POSSIBLE. BOTH PIPES SHOULD BE PRESSURE TESTED TO 150 PSI TO ENSURE THAT THEY ARE WATERBUSH.

NOTE:  
ALL PROJECT REQUIREMENTS AS SET FORTH ON THIS SHEET HAVE BEEN COMPLIED WITH DURING THE COURSE OF CONSTRUCTION. ALL NOTE WORKING CONTAINED HEREON IS UNDERSTOOD TO BE PAST TENSE.  
HOYLE, TANNER & ASSOCIATES, INC.

RECORD DRAWING

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, BASED UPON CONSTRUCTION RECORDS PROVIDED BY THE RESIDENT ENGINEER AND ALL INFORMATION FROM WORK SHOWN ON THIS DRAWING HAS BEEN COMPLETED AS SHOWN.

LOCATION PLAN



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ENGINEER/ARCHITECT

PROJECT NO. 105709	FILE NAME ABPH11-GEN	DO NOT SCALE DRAWING
1. RECORD DRAWING	C.B. W.C. W.C. 10/02	
REV.	DESCRIPTION	DATE

**HTA** Hoyle, Tanner & Associates, Inc.  
150 Dow Street • Manchester • New Hampshire 03101  
Consulting Engineers

SCALE: AS SHOWN    DATE: APRIL 2001    DES. BY JAH    DR. BY CAB/RCP    CHKD. BY NLT

CHERRY VALLEY SEWER DISTRICT  
LEICESTER, MASSACHUSETTS

PLAN AND PROFILE

**GENERAL PLAN**

DRAWING NO. **1**