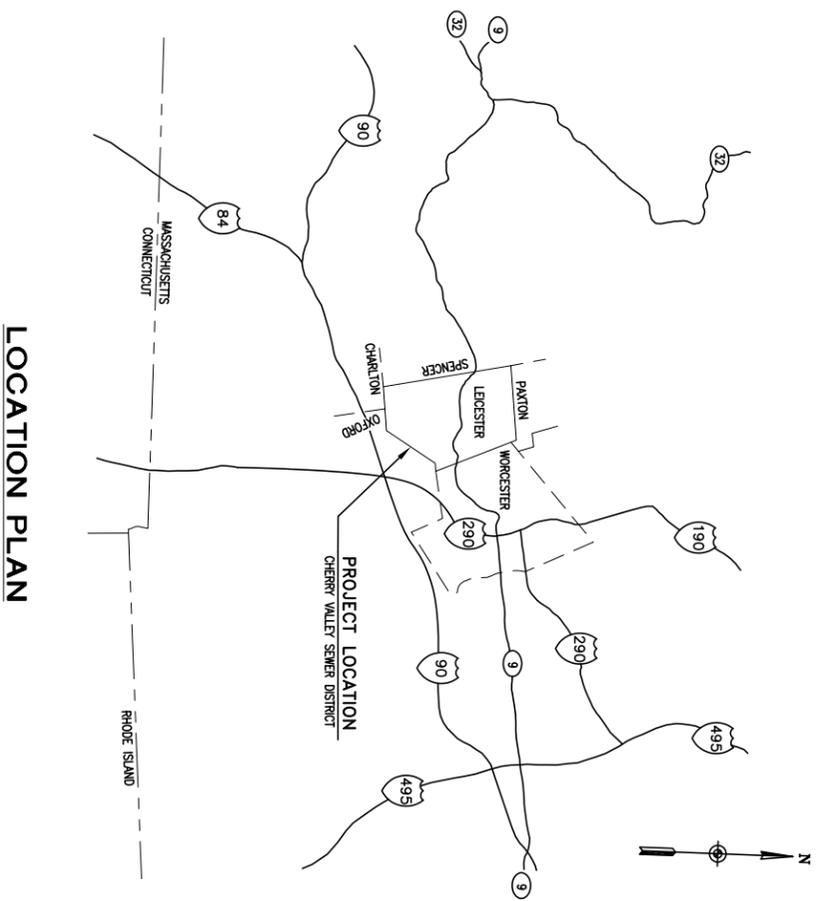


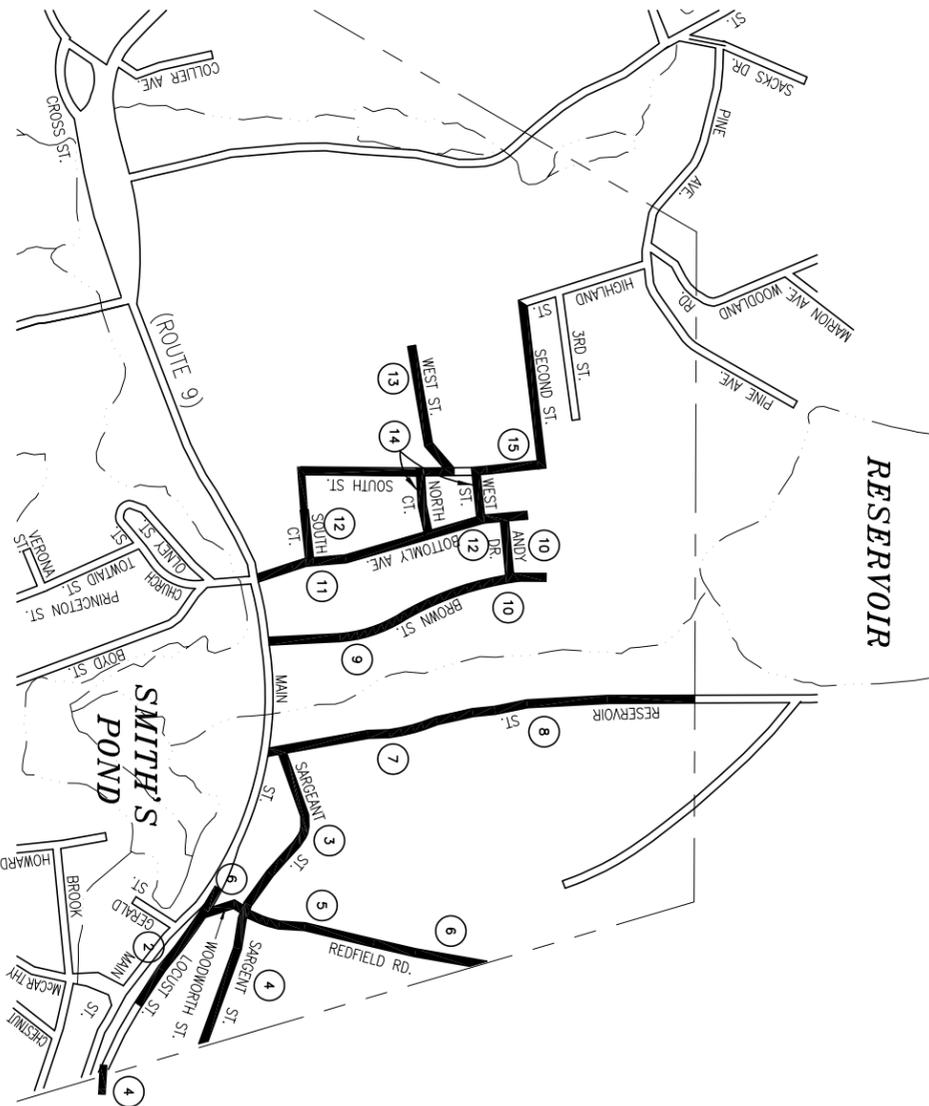
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LOCATION PLAN
SCALE: 1" = 23,000'

VICINITY PLAN
SCALE: 1" = 1,200'



GENERAL NOTES

- ELEVATIONS REFERENCED ARE NATIONAL GEODETIC VERTICAL DATUM (NGVD), FORMERLY U.S. COAST AND GEODETIC SURVEY DATUM OF 1929.
- ALL STREET 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 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 MAINS 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 ANCHORING, SUPPORTING AND/OR RELOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. ALL COSTS SHALL BE INCLUDED IN UNIT PRICES FOR SEWERS. IN THE CASE OF DAMAGE, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF ALL REPAIRS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PRIMAERY LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF THE EXISTING FEATURES AND STRUCTURES WITHIN AND ADJACENT TO THE WORK. IN THE CASE OF DAMAGE, THE REPAIRS OR REPLACEMENT SHALL BE DONE AT 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 771 OF THE MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS AND THE 1973 AMERICAN 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. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH ALL SIGNAGE STANDARDS PRESENT CONTROL PLANS AND AS REQUIRED BY THE MASSACHUSETTS HIGHWAY DEPARTMENT.

- 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 WATERIGHT FRAMES AND COVERS.
- UNLESS OTHERWISE SPECIFIED, ALL NEW GRANITE SEWER PIPE WILL BE PVC
 - PVC GRANITE SEWER PIPE 8 INCHES THROUGH 15 INCHES IN DIAMETER SHALL BE THE STANDARD PIPE CONFORMING TO THE REQUIREMENTS OF THE MANUFACTURER'S CERTIFICATE OF COMPLIANCE. THE PIPE SHALL BE FURNISHED AS REQUIRED FOR LABORATORY TESTING. METHODS OF SHIPPING SHALL BE ACCEPTABLE TO THE ENGINEER AND SHALL BE SUCH AS TO AVOID MAJOR IMPACT ON THE PIPE. DAMAGED PIPE SHALL BE REMOVED FROM THE JOB. PIPE LENGTHS SHALL BE THE LONGEST AVAILABLE.
 - JOINTS SHALL BE EASTONER, OR RESISTANT CASSET JOINTS, ACCEPTABLE TO THE ENGINEER. THE RESIN COMPOUND SHALL CONFORM TO ASTM D1794 AND EASTONER RINGS SHALL CONFORM TO ASTM D1869 AND F477. MANUFACTURER'S DETAILS AND RECOMMENDATIONS FOR INSTALLATION SHALL BE FURNISHED FOR APPROVAL BEFORE DELIVERY, AND SAMPLES SHALL BE FURNISHED AS REQUIRED.
 - PVC GRANITE SEWER TEE BRANCHES, WYES AND FITTINGS SHALL BE THE SAME TYPE AND CLASS AS THE PIPE ON WHICH THEY ARE USED AND SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS. INSTALL AS PER ASTM D 2221, CLASS 1 BEDDING.
 - BEDDING AND COVER OVER PVC PIPE SHALL BE AS SPECIFIED HEREIN AND/OR AS INDICATED ON THE DRAWINGS, EXCEPT AS NOTED BELOW. BEDDING SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM SPECIFICATION D2221, CLASS 1.
 - 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, CHIMNIES, 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. ADAPTORS FOR CONNECTION TO EXISTING SERVICES SHALL BE AS APPROVED BY THE ENGINEER.
- METAL MARKERS TO BE INSTALLED ON THE 2" X 4" BOARD MARKING THE END OF SERVICE CONNECTIONS SHALL BE DEEP-1 AS MANUFACTURED BY BERRINSEN, INC. MADISON, WI.
- MINIMUM EARTH COVER OVER PIPES SHALL BE 5'-0".
- MINIMUM VERTICAL CLEARANCE BETWEEN THE PROPOSED GRANITE SEWER AND EXISTING UTILITIES 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 IN PLACE, IT SHALL BE CUT OFF BELOW GRADE SUCH THAT THE TOP OF SHEETING LEFT IN PLACE IS NOT LESS THAN 3 FEET BELOW GRADE.
- SAW CUT ALL EXISTING BRICK/MASONRY CONCRETE PAVEMENTS AT LIMITS OF TRENCH EXCAVATION.

- IF CONDITIONS PRESENT A LATERAL SEPARATION OF 10 FEET OR MORE 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 LINE WITH LESS THAN 18 INCH VERTICAL CLEARANCE, THE WATER LINE SHALL BE RECONSTRUCTED AND THE SEWER LINE SHALL BE RECONSTRUCTED WITH MECHANICAL JOINT TYPED DOWEL BARS AND ANOTHER SOUND AND SHALL EXTEND A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. ONE FULL-LENGTH WATER MAIN SHOULD BE CENTERED OVER THE SEWER. SEE THAT BOTH JOINTS WILL BE AS PER FIELD NOTES. ALL JOINTS SHALL BE PRESSURE TESTED TO 150 PSI TO ENSURE THAT THEY ARE WATERIGHT.
- NO WORK SHALL BE CONDUCTED UNLESS THE OWNER'S REPRESENTATIVE IS PRESENT. THE OWNER RESERVES THE RIGHT TO REFLECT ANY AND ALL WORK NOT MEETING THIS REQUIREMENT.
- THE CONTRACTOR SHALL REMOVE AND DEPOSE OF ALL WASTE BUILDING MATERIAL, CONCRETE, BRICK, AND OTHER DEBRIS FROM THE PROJECT AREA AS REQUIRED FOR THE SATISFACTORY COMPLETION OF THE CONTRACT WORK AND AS IN STRICT ACCORDANCE WITH MASSACHUSETTS LAW.
- ALL APPROPRIATE PERMITS AND APPROVALS WILL BE OBTAINED FROM AND AT LEAST 10 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SATISFACTORY COMPLETION OF THE CONTRACT WORK AND AS REQUIRED BY THE MASSACHUSETTS LAW.

"AS-BUILT"

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

HOYLE, TANNER & ASSOCIATES, INC.
SIGNED _____
DATE _____

PROJECT NO. 105707		FILE NAME AB105GEN		1. AS-BUILTS		C.B.	J.H.	J.H.	10/00
DO NOT SCALE DRAWING		REV.		DESCRIPTION		DR. BY	CHKD. BY	APPD. BY	DATE
SCALE: AS SHOWN		DATE: APRIL 2000		DES. BY JAH		DR. BY RCP		CHKD. BY NLT	
CHERRY VALLEY SEWER DISTRICT LEICESTER, MASSACHUSETTS		PLAN AND PROFILE		GENERAL PLAN		DRAWING NO.		SHEET 1 OF 18	
Hoyle, Tanner & Associates, Inc. 150 Dow Street • Manchester • New Hampshire 03101 Consulting Engineers		PROJECT NO. 105707		FILE NAME AB105GEN		1. AS-BUILTS		C.B. J.H. J.H. 10/00	