

PRESENTATION OUTLINE

79 Church Hill Road LLC

Newtown Water and Sewer Authority

March 12, 2015

I. INTRODUCTION

- A. Introductions
- B. Tonight's application
 - 1. Adjust sewer district line
 - 2. Conditional allocation of capacity

II. SEWER DISTRICT LINE

- A. Compliance with 690-36 factors

III. CAPACITY

- A. Capacity request
- B. Pump Station upgrade
- C. Capacity at Treatment Plant
- D. Town Agreement: ability to request portion of unused State capacity

IV. ON-SITE SEWAGE TREATMENT ALTERNATIVE

Ray Paier, PE

- A. Qualifications
- B. Analysis performed
- C. State Regulations
- D. Sewer as superior alternative to on-site treatment

**SECOND REQUEST TO THE WATER AND SEWER
AUTHORITY TO EXTEND AUTHORITY'S SEWER
SERVICE AREA AT 79 CHURCH HILL ROAD,
NEWTOWN, MAP 38, BLOCK 2, LOT 1; REQUEST FOR
CONDITIONAL APPROVAL OF CAPACITY AND
CONNECTION**

**Supplemental Materials
March 12, 2015**

1. MUMI Zoning Regulation
2. Curriculum Vitae of Raymond G. Paier, P.E.
3. Sewer capacity calculation
4. 1993 Sewer Agreement with State of Connecticut

(1)

ARTICLE III – RESIDENTIAL USES

SECTION 3 – INCENTIVE HOUSING OVERLAY ZONE-10 (IHOZ-10)
(Amended effective January 26, 2015)

3.03 Incentive Housing Overlay Zone (IHOZ-10)

3.03.100 Purpose and Intent. The intent of this zone is to allow affordable housing in mixed-use developments at locations with adequate transportation and utility services, in order to provide housing choice and variety for those working in Newtown, single-parent households and aging households, among others. It is a further intent of these regulations to protect open spaces and rural areas of the community by encouraging development in smart growth locations.

The purpose of this zone is to promote the inclusion of affordable housing units in mixed-use, mixed-income developments consistent with topography, soil types and infrastructure capacity. Another purpose is to ensure high-quality design that is sensitive to the rural character of the community and the neighborhood surrounding the development in particular.

As an overlay zone, the IHOZ offers additional regulations to the applicable underlying zoning district regulations. Except as modified in this Section 3, the provisions of the underlying district will govern.

3.03.200 Location Criteria

Applications for a IHOZ-permitted use must meet the following criteria:

- a) Application to amend Official Zoning Map to include IHOZ overlay zone to a particular parcel(s).
- b) Minimum lot size of ten (10) acres.
- c) All parcel(s) must have frontage on a principal arterial roads or State Route.
- d) Applicants must demonstrate that all parcels have access to public sanitary sewer and public water or that the applicant has the ability to acquire such access prior to construction.

3.03.300 Permitted Uses

In all IHOZ developments, not less than twenty percent (20%) of the dwelling units will be conveyed by deeds containing covenants or restrictions which shall require that, for at least thirty years after the initial occupation of the proposed development, such dwelling units shall be sold or rented at, or below, prices which will preserve the units as housing for which persons and families pay thirty percent or less of their annual income, where such income is less than or equal to eighty percent of the area median income. Each application will require an affordability plan, which shall describe in detail how the development will comply with these regulations, and how the affordability covenants and restrictions will be administered.

3.03.310 The following IHOZ uses are permitted by Special Exception:

- a) The following uses are permitted by Special Exception in addition to the uses allowed in the underlying zone.

The following uses shall be limited to the R-2, R-3 and Business Zones, provided, however, that the use or uses allowed in this overlay zone may not be in conflict with the primary uses allowed in the underlying zone, so that Apartments and Town Houses will only be allowed in parcels zoned for Residential uses and Mixed-Use Buildings and Developments will only be allowed in parcels zoned for Business uses.

b) Townhouses and Garden Apartments. There shall be no more than twelve (12) units per usable acre based upon deduction of area as applicable. Such density shall be calculated as usable using the total site acreage. Acreage having a slope of 25 percent (25%) or more shall be calculated using 50 percent (50%) of such area. Acreage having wetlands, watercourses or area within base flood elevation as determined by the Federal Emergency Management Agency shall be calculated as usable using 25 percent (25%) of such areas. All other acreage is considered usable site and density shall be calculated at 100 percent (100%).

c) Mixed-Use Buildings. Mixed-use buildings must contain commercial and residential uses, and meet the following provisions:

1) Residential uses are not permitted on the first floor.

2) Commercial uses in such buildings are limited to retail, professional office, restaurant, financial institutions, and personal service establishments.

3) No more than 12 dwelling units per usable acre are allowed. Such density shall be calculated as usable using the total site acreage. Acreage having a slope of 25 percent (25%) or more shall be calculated using 50 percent (50%) of such area. Acreage having wetlands, watercourses or area within base flood elevation as determined by the Federal Emergency Management Agency shall be calculated as usable using 25 percent (25%) of such areas. All other acreage is considered usable site and density shall be calculated at 100 percent (100%).

d) Mixed-Use Developments. Mixed-use developments are developments of multiple buildings on a parcel or adjacent parcels under unified ownership or control that includes at least one building containing residential use and at least one building containing commercial use(s). Mixed-use developments shall meet the following provisions:

1) Residential units are permitted in townhouse and garden apartment structures only.

2) Commercial uses are limited to retail, professional office, restaurant, financial institutions.

3) No more than twelve (12) dwelling units per usable acre are allowed. Such density shall be calculated as usable using the total site acreage. Acreage having a slope of 25 percent (25%) or more shall be calculated using 50 percent (50%) of such area. Acreage having wetlands, watercourses or area within base flood elevation as determined by the Federal Emergency Management Agency shall be calculated as usable using 25 percent (25%) of such areas. All other acreage is considered usable site and density shall be calculated at 100 percent (100%).

3.03.400 Area, Height, Yard and Building Coverage Requirements. Article VII, Area, Height and Yard Requirements and all other applicable sections of these regulations apply, in addition:

- a) Street frontage. Each lot shall have a minimum frontage of 100 feet.
- b) Front yard setback. The minimum setback from the street shall be seventy-five (75) feet from the street line and in the Hawleyville and Sandy Hook Design Districts, the front setback shall be in compliance with the applicable zone regulations. Adjacent parcels to the Design Districts could utilize the front setbacks for the specific Design District at the discretion of the Commission.
- c) Side and Rear Setbacks. The minimum side yards shall be thirty-five (35) feet, and the minimum rear yard shall be fifty (50) feet.
- d) Building Height: No building shall exceed thirty-six (36) feet in height above the average finished ground level to the midpoint of the roof at the side of the building closest to the street or private road and no portion of the structure shall be more fifty-four (54) feet to the highest point of the ground level on any side of the building and no structure shall be more than ten (10) feet below the average finished ground level at the front of the building.
- e) Building coverage: Building coverage shall not exceed thirty percent (30%)
- f) The Commission by a 4/5 vote can approve modifications to 3.03.400 on a project specific basis, including but not limited to the following parameters; topography, building design and aesthetics.

3.03.500 Building Design Standards

Each Townhouse dwelling unit shall have an entrance providing direct access to the exterior, which access shall not be shared in common with any other dwelling unit.

Affordable units shall be of a construction quality that is comparable to market-rate units within the development, and shall be dispersed throughout the development.

3.03.600 Building Design Standards

Dwelling units shall contain no less than one (1) bedroom and no more than three (3) bedrooms.

Affordable units shall be of a construction quality and design that is comparable to market-rate units within the development, and shall be dispersed throughout the development. The set-aside units shall contain at least twenty percent (20%) of the total bedrooms proposed for the project.

(a) Facades

- i. Building greater than sixty (60) feet in length shall be visually broken into smaller elements and incorporate architectural details in order to add visual character and human scale.
- ii. Ground floor "front facing" facades shall incorporate projecting covered entries at least three (3) feet in depth.
 - a. Entrances should be designed to reflect a scale for the number of dwellings / tenants served.
 - b. Entrances serving multiple dwellings / tenants may use a variety of detailing to provide identity within a building and a complex.
- iii. No uninterrupted length of any façade, except as noted below, shall be permitted to exceed the lesser of forty (40%) percent of total length of the façade or forty (40) feet without incorporating a change in color, material, texture / pattern, projection, recess, window, balcony, trellis, or similar

architectural feature.

- a. Exception. Accessory structures less than twenty (20) feet in height and twenty-four (24) feet in depth used for housing automobiles; for example, carports and garages that are designed to complement the building and site and that incorporate like materials. Clubhouse is not an accessory structure. Cupolas are also allowed on top of the roofs of carports and garages.
 - iv. Front façade design may incorporate a distinction between ground floor and upper stories through the use of masonry water-tables, entry features, and other architectural elements appropriate to the scale and design of the building.
 - v. Placement of windows and other major architectural elements / features on upper stories shall to the extent practicable be arranged with a balanced spacing and evident rhythm.
 - vi. Blank wall surfaces greater than twenty (20) feet along the horizontal plane of the building are prohibited at the street level on any building façade adjacent to a sidewalk or public way.
 - vii. Where blank wall surfaces are permitted and deemed necessary, wall panels, pilasters, building bays, or other architectural elements shall be carried across the blank surface to relieve uninteresting facades. A waiver may be granted by the commission to this requirement for facades that are within, or will be within, ten (10) feet of an adjacent building and therefore not visible from the public ways.
 - viii. Residential side and rear facades which are visible from the public ways shall be articulated in a manner compatible with the design of the front façade.
- (b) Materials and Colors
- i. New building materials shall be selected to convey a sense of quality, durability and permanence, and shall be economically maintained and able to retain their appearance over time.
 - ii. Building façade materials permitted within the district include brick, stone, wood, cementitious fiberboard, cast stone, manufactured limestone, PVC trim and vinyl.
 - a. Artificial / faux materials can be used provided they are of good quality and consistent with "natural" / traditional materials.
 - iii. Stone, cast stone, cultured stone or brick veneers can be used as an accent material to provide scale to a building. It is encouraged to use stone water-tables at the first floor and to establish a horizontal datum for the building to grow from the site. These veneer materials are encouraged to be used as architectural elements such as piers, columns, column bases, chimneys, stepped vertical material offsets, etc. to provide scale and detail to larger building(s).
 - iv. Poured-in-place concrete or pre-cast concrete are appropriate as a basic building material provided special consideration is given to formwork, pigments, and aggregates to create a rich surface.
 - v. A limited but consistent pallet of materials is encouraged to be used to establish both uniformity and variety at human scale with-in the zone.
- (c) Roofs
- i. Roof forms shall complement the buildings in terms of style, detailing and material.
 - ii. Roof forms may vary within a building and shall include sloped roofs, parapets, decorative cornice treatments, soffits, overhangs from six (6) inches to thirty-six (36) inches, dormers, cupolas, or

other architectural element to complement the building without creating a cluttered visual appearance. Cupolas, parapets, bulkheads and mechanical screening can range from 4 feet to 17 feet and are in addition to maximum building height.

- iii. Flat roofs shall be screened from public view using parapets or other architectural elements.
- iv. Mechanical equipment, metal chimneys, chimneys, elevator shafts and stair bulkhead roofs shall be encouraged to be screened from public view using parapets or other architectural element.

3.03.610 Parking. Parking shall conform to the requirements of Article VIII, Section 3 in general.

Shared parking for mixed-use buildings and mixed-use developments is encouraged to reduce impervious surfaces. Applicants should submit a Parking Demand Study conducted by a qualified firm, which details peak parking demand by uses and recommends a shared parking arrangement.

The minimum number of parking spaces required shall generally comply with Section 8.03.600. The Commission may reduce parking requirements where the applicant submits data or a plan demonstrating the adequacy of the lower number.

3.03.620 Private roads. Private roads within IHOZ developments shall be Twenty-two (22) feet wide with a surface that meets Town standards (may want to encourage/incentivize pervious surfaces).

3.03.630 Pedestrian Circulation. In all developments, sidewalks and pedestrian pathways shall be constructed on frontage roads to connect with proposed or existing Town sidewalks. Internal on-site sidewalks constructed at the Commission's discretion.

3.03.640 Landscaping. Existing vegetation and natural changes in topography shall be maintained to the greatest extent possible in designing site development. Screening from adjacent properties shall be enhanced by maintaining existing vegetation and topography shall be supplemented with fences, walls, berms and dense l

3.03.650 – Lighting – Lighting Plan shall conform to Article VIII - Supplemental Regulations, Section 5- Exterior Lighting.

303.03.660 – Design Advisory Board – The project shall be reviewed by the Design Advisory Board in compliance with Newtown Zoning Regulation, 2.02.330.

303.03.650 – Traffic Report – A traffic impact analysis shall be completed by a certified traffic engineer.

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RAYMOND G. PAIER, P.E. , Vice President of Engineering

EMPLOYMENT

Westcott and Mapes, Inc.
142 Temple Street
New Haven, CT 06510
(203) 789-1260

Commencement of Employment with Westcott and Mapes, Inc. – 8/1990

PROFESSIONAL ENGINEER LICENSURE

State of Connecticut #18465 - 1994
State of Rhode Island # 8069 - 2004

EDUCATION

Bachelor of Science in Civil Engineer, University of Connecticut

PROFESSIONAL SERVICES

General Civil: Complete development and design, quantity and construction cost estimating. Full contractual construction document preparation and general civil engineering practices.

Stormwater: Hydraulics and hydrology studies and analysis of existing storm drainage systems, water surface profiling, storm water detention and retention design, the design of storm drainage systems.

Wastewater: Design of gravity sanitary sewer systems, and inflow and infiltration studies.

Transportation: Roadway horizontal and vertical geometric design.

EXPERIENCE SUMMARY

- Civil Engineering Department Head, technical review, quality control, project budgeting, schedule and management.
- Construction quantity and cost estimating.
- Project Management for a multitude of design projects and field inspection operations.
- Hydrology studies and hydraulic analysis and the design of storm drainage pipe and detention and retention systems.
- Design of repair measures for flood damage and large scale flood mitigation projects.
- Sanitary sewer system evaluation studies and inflow infiltration studies.
- Complete design of municipal gravity sanitary sewer systems.
- Subsurface sewage disposal system design, municipal and state level.
- Site design for correctional facilities, industrial parks, municipal buildings, multi and single family subdivisions, governmental facilities, commercial and retail facilities.
- Athletic facilities design.
- Permitting local, state and Federal level.
- Civil Engineer projects in industrial, residential and municipal sectors.



Westcott and Mapes, Inc.

Consulting Engineers since 1916

RAYMOND G. PAIER, P.E.
Vice President of Engineering

Sanitary Sewer Experience Summary

Gravity and force main sanitary sewer design,
Combined sewer overflow separation design,
Sanitary sewer engineering consultation services,
Inflow and infiltration studies, pilot repair programs
and Sewer system rehabilitation projects.

Credentials

B.S. Civil Engineering, University of
Connecticut 1987

Registrations

Professional Engineer, Connecticut
Professional Engineer, Rhode Island

Sanitary Sewer Projects

Consultants to the City of Milford Sewer Commission, as Vice President of Engineering. Provide technical review, oversight and recommendations regarding independent development proposals put forth before the Commission and opinions and recommendations regarding sewer commission policies. Over-view, management, design and technical review of all in-house sanitary sewer design projects for the City of Milford, Sewer Commission.

Buckingham Ave Dual Force Main Replacement, as Chief Engineer. Provided project management for the design of the rehabilitation and partial replacement of approximately 4,000 lineal feet of dual 20" and 24" diameter force mains.

Indian River Interceptor Manhole Rehabilitation, as Chief Engineer/Project Manager. Provided project management, technical over-view, municipal coordination, and project administration throughout the design, bidding and construction phases of the project. The project entailed the rehabilitation of 18 sanitary sewer manholes of a major sewer interceptor, in an environmentally challenging, tidally influenced environment with the installation of cured-in-place liners.

Milford Sewers 2000-1, Milford, CT, Chief Engineer. Performed all final internal reviews and design approvals of documents for the issuance to the City engineering and sewer department for municipal approval. Provided technical overview and assistance throughout the project which entailed providing surveying and engineering services for the extension of sanitary sewers in more than a dozen streets in four areas throughout the City. The design consisted of 24,500 lineal feet of gravity sewers, 6,300 lineal feet of force main, and three pump stations.

Milford Town Wide Sanitary Sewer and Treatment Plant Facilities Study, Milford, CT, Chief Engineer/Project Manager. The manager and chief engineer for the townwide sanitary sewer study which included overseeing of all engineering and field operations as related to the inflow and infiltration study for more than 200 miles of sanitary sewer and the evaluation of trunk line sewer pipe capacities. Some of the field operations included ground water monitoring, flow monitoring, pump station flow monitoring and rainfall data collection. The report included mapping of the entire town of Milford municipal sewer system, graphing of data, evaluation of inflow and infiltration and cost analysis to determine key areas that warrant a detailed investigation for I/I removal and sewer system repairs.

Milford Sewers 98-1, Milford, CT, Project Engineer. As a project engineer, I provided technical design during the document development phase and technical guidance and over-sight during the construction phase. The project entailed surveying and engineering design services for the extension of sanitary sewers to various areas in the City. The project has been constructed including 11,700 l.f. of gravity sewers, 450 feet of force main, and a 5 hp duplex Ford Street sewer pump station. The sewer and pump station serves approximately 100 homes, the Milford Department of Public Work's facility and Milford Police Department.

City of Milford Sanitary Sewer, Contracts 97-1 through 2000-1, Milford, CT, Project Manager/Chief Engineer. Provided technical review/assistance of design for four major sanitary sewer extensions and feasibility projects.

Lombard Street Sewer Separation, New Haven, CT, Project Manager. Managed the hydrology analysis and hydraulics design and production of contract documents of over 15,000 linear feet of storm drainage pipe with diameters ranging from 12" to 48" for the separation of a combined sewer system. Included in the project was the replacement of a portion of the sanitary sewer, over 300 catch basins and manholes and a storm water outfall. Other project elements were soil investigations, off shore borings and Dept. of Environmental Protection and Office of Long Island Sound program permitting.

Sherman Parkway Sewer Separation, New Haven, CT, Project Engineer. Prepared plans and specifications for installation of 6,000 linear feet of storm pipe and associated drainage structures to separate stormwater flows from sanitary flows. Analyzed drainage areas and storm flows, sized new pipes to accommodate the flows. Work was designed to minimize disruption to a number of underground utilities and service laterals. Managed the construction representation and administration phase of this project.

Foster Street Sewer Separation, New Haven, CT, Project Engineer. Prepared plans and specifications for 5,290 linear feet of storm pipe and associated drainage structures to separate stormwater flows from sanitary flows. Performed construction administrative duties through the completion of the construction of the project.

Ninth Square Sewer Separation, New Haven, CT, Project Engineer. Prepared plans and specifications for 1,125 linear feet of storm pipe and associated drainage structures to separate stormwater flows from sanitary flows.

Pilot Sewer Rehabilitation Program, Fairfield, CT, Project Engineer. Preparation of plans and specifications for various rehabilitation techniques for sanitary sewer pipes and manholes. Rehabilitation methods included cured-in-place liners, fold and form liners, test and seal joints.

Cedar and Bronson Roads Sewers, Fairfield, CT, Project Engineer. Designed and provided construction administrative services for 3500 linear feet of sanitary sewers. The project included deep excavation, reconstruction of culvert over the sewer and jacking sewer pipe under a box and culvert. The project required strict environmental controls regarding erosion and sedimentation. Dewatering involved discharge into a portable sedimentation basin.

Newtown Residential Project
 79 Church Hill Road
 W&M# 14-004-00
 12-Mar-15

Existing Pipe Capacities

Pipe Description	Slope % +/-	Full Flow Capacity cfs+/-	1/2 Flow Capacity cfs+/-	Full Flow Capacity gpm+/-	1/2 Flow Capacity gpm+/-	Full Flow Capacity gpd+/-	1/2 Flow Capacity gpd+/-
6" pvc lateral	3.9	1.408	0.659	632	296	909,951	425,893
6" pvc lateral	3.9	1.408	0.659	632	296	909,951	425,893
8" pvc main	1.45	1.874	0.877	841	394	1,211,114	566,781
8" pvc main	3.30	2.826	1.323	1268	594	1,826,365	855,018
8" pvc main	7.00	4.116	1.927	1847	865	2,660,056	1,245,366
8" pvc main	2.08	2.244	1.05	1007	471	1,450,234	678,586
8" pvc main	0.54	1.143	0.535	513	240	738,689	345,756
8" pvc main	0.39	0.972	0.455	436	204	628,176	294,054

Existing Sandy Hook Pump Station

Based upon Fuss & O'Neill April 21, 2006 Sandy Hook Pump Station Capacity Analysis Memorandum

	Reported for Exist. Station Sept. '05 thru Jan. '06	Prop. Dauti Dev.	Other Prop. Or Anticipated Development	Total if Prop. & Anticipated Added	Present Station Design	Prop. Newtown Residential Development Project	Total if Prop. & Anticipated Added w/ Prop. Newtown Res. Dev. Proj.
Ave. Daily Flow ADF (gpd)	52,088	6,457	17,390	75,935	103,452	43,845	119,780
Max. Month MMADF (gpd)	58,743	7,302	19,612	85,657	112,571	49,457	135,114
Max. Daily Flow MDF (gpd)	78,310	18,026	48,412	144,748	211,186	65,768	210,516
Peak Hour Flow PH (gpm)	100.7	12.5	33.6	147	200	84.6	231
Max Run Time (min/hr)	32.2	4.1	10.9	47.7	60	27.5	75

Proposed 350 attached res. apartments x 0.6759 EDUs per apt.= 237 EDU w/ 185 gpd per EDU = 43,845 gpd

Treatment Plant

Treatment Plant Design Capacity	932,000 gpd
State of Connecticut Sewer Treatment Allocation =	600,000 gpd
Town of Newtown Sewage Treatment Allocation (permitted capacity) =	332,000 gpd
Existing average metered capacity usage as of 11/1/14 =	267,000 gpd
Previously allocated capacity... and pending allocation requests =	31,630 gpd
Reserve Environmental capacity buffer 3% of permitted capacity	9,960 gpd
Unallocated capacity available on a first come first serve basis =	23,410 gpd

Proposed Sewage Flow Usage and Treatment Request

Newtown Residential Development Project is requesting a total sewage allocation of	43,845 gpd
with the make up as follows:	
Requesting from the Town, from the first come first serve basis, the available capacity of	23,410 gpd
Requesting that the Town seek, from the State of CT, the additional treatment capacity of	20,435 gpd

INTERGOVERNMENTAL SEWERAGE AGREEMENT

AGREEMENT made and concluded this 17TH day of November, 1993, by and between the TOWN OF NEWTOWN, a municipal corporation organized and existing under the laws of the State of Connecticut (hereinafter called "Town"), acting through its First Selectman, and the STATE OF CONNECTICUT (hereinafter called "State"), acting through its DEPARTMENT OF MENTAL HEALTH (hereinafter "DMH"), its DEPARTMENT OF ENVIRONMENTAL PROTECTION (hereinafter "DEP"), its OFFICE OF POLICY AND MANAGEMENT (hereinafter called "OPM"), its DEPARTMENT OF PUBLIC WORKS (hereinafter called "DPW") and its DEPARTMENT OF CORRECTIONS (hereinafter called "DOC") duly authorized and acting pursuant to Section 17a-451 (DMH), Section 4-8 (DMH) and Section 22a-6(a)2 (DEP) of the Connecticut General Statutes, as amended and Special Act 91-26 (OPM, DPW and DOC).

W I T N E S S E T H:

WHEREAS, Town plans to design, construct, own, and operate a sewerage system; and

WHEREAS, State desires to enter into an Agreement with Town for sewage treatment, and to share the costs thereof with Town; and

WHEREAS, Town will agree, under certain conditions, to receive

sanitary sewage from State at the Town sewage treatment plant.

NOW THEREFORE, the Parties hereto, for the consideration hereinafter named, agree as follows:

ARTICLE A - Definitions:

Unless the context in which they are used herein clearly indicates otherwise, the following words shall be defined as indicated:

1. MGD: Millions of gallons per day.
2. Septage: The mixed liquid and solid contents pumped from septic tanks and dry wells (cesspools) receiving sanitary sewage only.
3. Sanitary Sewage: The common wastewaters and water carried wastes from human dwellings and from toilet and lavatory fixtures, kitchens, laundries and similar facilities of business and industrial buildings.
4. Sanitary Sewer: A sewer which carries sanitary sewage and acceptable discharge of industrial wastes only, and to which storm, surface, cooling and ground waters are not intentionally admitted.
5. Sewer System: All facilities for the collection and conveyance of sanitary sewage and industrial wastes to the Town Sewage Treatment Plant.
6. Sewage Treatment Plant (Abbreviated STP): Any arrangement of devices and structures used for treating sewage including an outfall.
7. Sewerage System: All facilities for collection,

conveyance and treatment of sanitary sewage and industrial wastes.

8. Industrial Wastes: The liquid waste from industrial processes or facilities including hospital wastes and laboratory wastes as distinct from sanitary sewage.

9. Biochemical Oxygen Demand (Abbreviated BOD): The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures in five (5) days at 30 degrees Centigrade (68 degrees Fahrenheit) expressed in milligrams per liter by weight (or pounds per day).

10. Suspended Solids (Abbreviated SS): Solids that either float on the surface of, or are in suspension in water, or sewage, or wastewater, or other liquids, and which are removable by laboratory filtering, expressed in milligrams per liter by weight (or pounds per day).

11. Combined Sewer: A drain or sewer receiving stormwater runoff, in addition to sanitary sewage and/or industrial wastes.

12. Wastewater(s): The combination of sanitary sewage, industrial wastes and normal infiltration.

13. Average Daily Flow: The total annual flow as measured at a metering station, divided by a number of days in the year.

14. Peak Hourly Flow Rate: The maximum rate of sewage flow occurring over any one-hour duration, expressed in million gallons per day. Such rate has been established by accepted engineering guidelines.

15. Operating and Maintenance Costs: The costs for operation and maintenance of the shared sewerage system including, but not

limited to, direct costs of labor, materials, chemicals, power, fuel, equipment replacement, administration, sludge disposal and other expenses directly attributable to proper operation and maintenance.

16. Capital Cost: The cost of constructing the shared sewerage system or any modification to an existing facility, including, but not necessarily limited to, planning and design costs, administrative and construction costs, engineering and legal fees, interest charges, costs of acquiring land and easements, and legal and surveying costs associated with acquiring land and easements.

17. Town Sewer Use Ordinance: An ordinance duly passed by Town and approved by any State and/or Federal agencies having jurisdiction, that limits or prohibits the discharge of specified wastes and waters for the purpose of: (1) protecting the health, welfare and safety of operation and maintenance personnel for the Sewerage System; (2) protecting equipment, structures and other facilities against excessive wear, corrosion and premature breakage; (3) not interfering with treatment processes; and (4) achieving compliance with discharge requirements set by State and/or Federal agencies having jurisdiction.

18. Infiltration: Water, other than wastewater, that may enter a sewer service system (including sewer service connections and foundation drains) from the ground through such means as defective pipes, pipe joints, connections or manholes. Infiltration does not include, and is distinguished from, Inflow.

19. Inflow: Water, other than wastewater, that enters into a

sewer system (including sewer service connections) from sources such as, but not limited to, roof leaders, cellar drains, yard drains, area drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and Sanitary Sewers, catch basins, cooling towers, storm waters, surface runoff, street wash waters, or drainage. Inflow does not include, and is distinguished from, Infiltration.

20. Regulation/Ordinance: The terms regulation and ordinance may be used interchangeably, but, as used herein, shall have the same meaning.

21. Shared Sewerage System: The sewer system from the point of connection of the State metering station to the Town sewage treatment plant, the Town sewage treatment plant and the outfall sewer to the Pootatuck River.

ARTICLE B - Wastewater Characteristics:

1. State will not connect any combined sewer into Town's sewer system and will not discharge into the sewer system of Town any drainage, sewer substances or wastes containing such characteristics and/or volume in excess of that allowed by law, determined to be excessive by the State of Connecticut Department of Environmental Protection and/or Town, or wastewaters which are not amenable to treatment or reduction by the sewage treatment processes employed or which are amenable to treatment only to such a degree that the sewage treatment plant cannot meet the effluent discharge requirements of a State and/or Federal agency having

jurisdiction over the discharge of wastewaters.

2. State shall use and apply the Town Sewer Use Ordinance.

3. State's average daily flow into the Town sewerage system shall not exceed 0.6 MGD and the peak hourly flow rate shall not exceed 3.0 times the 0.6 MGD limitation. For the purposes of this Agreement the State's average daily flow shall include flows from the Newtown Housing For The Elderly, Inc. as were discharged on the date of this Agreement. Any future Town use of State property including expansion of the Newtown Housing for the Elderly, Inc. or use of State land transferred to or for the purposes of the Town after the date of this Agreement shall not be included in the 0.6 MGD average daily flow.

4. State may discharge to the Town sewer system only those wastes which originate from within existing state property boundaries as identified in Attachment A and the Newtown Housing For The Elderly, Inc. as were discharged on the date of this Agreement, provided, however, in the event State transfers any property presently covered by this Agreement to any private party or entity other than an agency of State, such party or entity may only connect to the sewer system with the consent of Town; and provided, further, however, State shall not permit any private individual or entity to utilize any portion of its average daily flow into the Town sewer system without the prior consent of Town.

ARTICLE C - Collection of Wastewater

1. Town will construct, own and operate a sewer to collect the

flow from the existing Fairfield Hills Hospital Treatment plant and convey it to the new site, the cost thereof to be in accordance with the allocations set forth in Article E.2.a.

2. State shall install and maintain flow meters at the point of interconnection with State and Town. State shall notify the Town of all new or additional connections to the State's sewer system with 30 days prior notice. Exceeding flow values, as defined in Article B.3, will result in a re-evaluation of State's contribution to capital costs (refer to Article E.2.b).

3. If other than sanitary sewage discharged by State is to be conveyed to the Town STP, then reasonable sampling and laboratory analysis of said wastewater, including the location and frequency of sampling and analysis, may be requested of the State at the discretion of Town and shall be accomplished by the State. (Total costs of said analysis will be borne by State.)

4. The State shall be responsible for the proper operation and maintenance of its sewer system located within State property boundaries.

ARTICLE D - Treatment of Wastewater:

1. Town agrees to operate and maintain a sewage treatment plant to provide treatment of sanitary sewage and industrial wastewater in compliance with applicable State and Federal effluent discharge requirements. Town agrees to receive from State and treat sanitary sewage and such industrial wastes, as characterized and in quantities as described in Article B.

ARTICLE E - Allocation and Payment of Capital Costs:

1. Planning costs associated with the analysis of a joint sewage treatment plant shall be borne entirely by the State. Design, planning and survey costs of the shared sewerage facilities are to be borne entirely by State. Other capital costs shall be allocated as set forth below.

2. Sewage Treatment Plant

a) Initial Construction

State shall pay to Town a share of the capital costs in proportion to the ratio of average daily design flow of 0.6 MGD to the total design flow. The current estimate of the State's share as of the signing of this agreement is \$4.72 million.

b) Future Expansion

i. State and Town mutually recognize that the sewage treatment plant may require improvements, modifications and/or enlargement in the future. In the event that Town is required by any State and/or Federal agency to provide a higher degree of treatment, or to provide improvements or modifications, including final sludge disposal, in the future as a result of changes in its treatment plant requirements, or if replacement or enhancement of non-functioning or obsolete facilities is necessitated, the capital costs of any such work shall be apportioned between Town and State in the

ratio of their respective percentage of design capacity.

- ii. In the event enlargement of the plant is required or requested by the Town only the capital costs of any such work shall be borne solely by the Town. This provision does not prohibit the Town from seeking available funding assistance.
- iii. In the event enlargement of the plant is required or requested by the State only, the capital costs of any such work shall be borne solely by the State.
- iv. In the event enlargement of the plant is required or requested jointly by the Town and the State, the capital costs of any such work shall be apportioned between the Town and the State in the ratio of their respective percentage allocation of the additional design capacity. This provision does not prohibit the Town from seeking available funding assistance.

3. Abandonment of FHH Facilities

The State agrees to connect its wastewater flows within ninety days of notice of availability of the shared sewerage system from the Town.

Upon connection of the State wastewater flows to the shared sewerage system, the State shall be solely responsible for the proper abandonment of the FHH facilities as required by DEP including the payment of all necessary costs.

4. Collection System For new sewers constructed by Town

which carry wastes both from State and Town, capital costs will be apportioned in accordance with the ratio of peak hourly flows of each entity.

5. Payment Method

Payment shall be made to the Town for the State's share of the capital costs of the shared sewerage facilities as funds from other sources as defined in Section I and as specified in Section 2.2 of the Project Loan and Project Grant Agreement to be executed between the Town and DEP.

ARTICLE F - Allocation and Payments of Operating and Maintenance Costs:

1. The cost for operation and maintenance shall be shared in proportion to each party's actual annual average daily flow to the total annual average daily flow.

2. State agrees to pay user charges on a quarterly basis (January 15, April 15, July 15, October 15), in advance. The Town agrees to invoice the State for the quarterly payments 45 days in advance of the aforementioned dates. The payments for each calendar year shall be based on the budgeted operation and maintenance costs for the calendar year. Billing for the second quarter of the following year will be adjusted in order to reflect the actual operation and maintenance costs for the preceding calendar year and shall be so calculated that State's annual share of costs bears to the Total operation and maintenance costs the same ratio as the State's annual average daily flow to the plant

bears to the total annual average daily flow to the plant.

3. All payments shall be due 45 days from receipt of invoice. If payments are not made within two (2) months of receipt of invoice, such payments shall be deemed delinquent and subject to an interest penalty of 1-1/2% per month from the due date. The interest penalty is subject to change to conform with current public acts and general statutes.

ARTICLE G - Right to Unused Capacity

1. Each party to this agreement has the right to request use of unused capacity of the other party at the proposed Town sewage treatment plant.

2. All requests under this article shall be negotiated and include at a minimum a cost sharing and period of time use.

ARTICLE H - Land Transfer/Easements

1. The State shall grant easements at no cost to the Town for Town sewers, the shared sewerage system and the outfall.

2. The State shall transfer title to the Town for the acreage required for the siting of the shared sewage treatment plant in accordance with Special Act 91-26 and applicable State procedures. The land needed for the sewage treatment plant is estimated at 6 acres. The final acreage to be transferred shall be determined from plans and specifications of the sewage treatment plant. The transferred acreage shall be deducted from the 75 acres

of land agreed to be transferred from the State to the Town in the Agreement dated March 27, 1991 per Section 9.

ARTICLE I - Amendment to the Agreement:

This Agreement may be amended at any time by the written consent of all parties.

ARTICLE J - Disputes:

Any dispute arising between Town and State to the interpretation of this Agreement shall be first mediated in a manner acceptable to both parties. However, both parties retain the right to proceed to whatever rights the parties have under law to enforce this agreement when either party determines mediation to be unsatisfactory in reaching a resolution of the dispute.

ARTICLE K - Audit:

1. Town shall keep books and records of all expenditures and disbursements concerning any facility covered by this Agreement in accordance with good accounting practices and shall also render to State, at least annually, a financial accounting setting forth a summary of such receipts and disbursements.

2. All books, records, accounts, statements and other memoranda of the Town concerning the construction, maintenance and operation of any facility covered by this Agreement and the records and costs thereof shall be subject to inspection and audit by State at all reasonable times.

ARTICLE L - Responsibility for Implementation

The responsibility for the continuing implementation of key areas of this Agreement on behalf of the State shall be:

1. DPW, OPM and DOC - Transfer of land to the Town and amendments to the Agreement.
2. DPW - Interagency transfer of funds (\$1,125,000) from DPW to DEP for contribution to the State's share of the shared sewerage system. This transfer shall be completed prior to March 31, 1994.
3. DEP - Payment of capital costs, sewer use ordinance, contract plans and specifications, discharge permit and amendments to the Agreement.
4. DMH - Payment of operating and maintenance costs, land transfer, easements and amendments to the Agreement.

The parties hereby agree to cooperate and seek effective implementation of any and all responsibilities of this Agreement not specified in paragraph 1 and 2 above. The responsibility for the implementation of all areas of this Agreement on behalf of the State shall extend to and bind all successors and assigns of the State hereto.

ARTICLE M - Contract Operations

The Town shall have the sole right to review and elect contract operations of the shared sewerage system.

ARTICLE N - Delay In Funding: In the event that State fails to

provide for funding of the State's share of the shared sewerage System, the DEP shall agree to seek a modification of the Stipulated Judgment between DEP and Town in the case of Leslie Carothers, Commissioner of Environmental Protection vs. Town of Newtown, CV 91-0391777S, for the period of any such delay in funding.

ARTICLE O - Severability

If any provision of this Agreement shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such provision shall not affect any of the remaining provisions of the Agreement and the Agreement shall be construed and enforced as if such invalid and unenforceable provisions had not been contained herein.

ARTICLE P - Successors and Assigns

This Agreement shall extend to and bind all successors and assigns of the parties hereto.

ARTICLE Q - Nondiscrimination

Attachment B entitled "Pursuant to Section 4a-60 of the Connecticut General Statutes and Public Acts 91-407, Section 8 and 91-58, Section 16 (b)" is incorporated herein and made a part of this agreement. For purposes of this article only "Contractor" shall mean the "Town".

IN WITNESS WHEREOF, the parties have executed this Agreement
on the day and year first above written.
Signed In The Presence Of:

David H. Hogan
Paul W. Dunlop Jr.

TOWN OF NEWTOWN
By: Zita B. McMahon 11/15/93
Zita B. McMahon Date
Its First Selectman
Duly Authorized

Patricia Hanney

DEPARTMENT OF MENTAL HEALTH
By: Albert J. Solnit 11/19/93
Albert J. Solnit, M.D. Date
Its Commissioner
Duly Authorized

Victoria Anne Brown
Maizya Bagin

DEPARTMENT OF ENVIRONMENTAL
PROTECTION
By: Timothy R.E. Keeney 11/17/93
Timothy R.E. Keeney Date
Its Commissioner
Duly Authorized

Judith B. Lima
Mary Ann Pulman

OFFICE OF POLICY AND MANAGEMENT
By: William E. Cibes Jr. 12/23/93
William E. Cibes Jr. Date
Its Secretary
Duly Authorized

Bruce L. Morris

DEPARTMENT OF PUBLIC WORKS
By: Bruce L. Morris 11/29/93
Bruce L. Morris Date
Its Commissioner
Duly Authorized

DEPARTMENT OF CORRECTIONS

E. J. Kalasek

By: Larry R. Meachum 12-17-53
Date

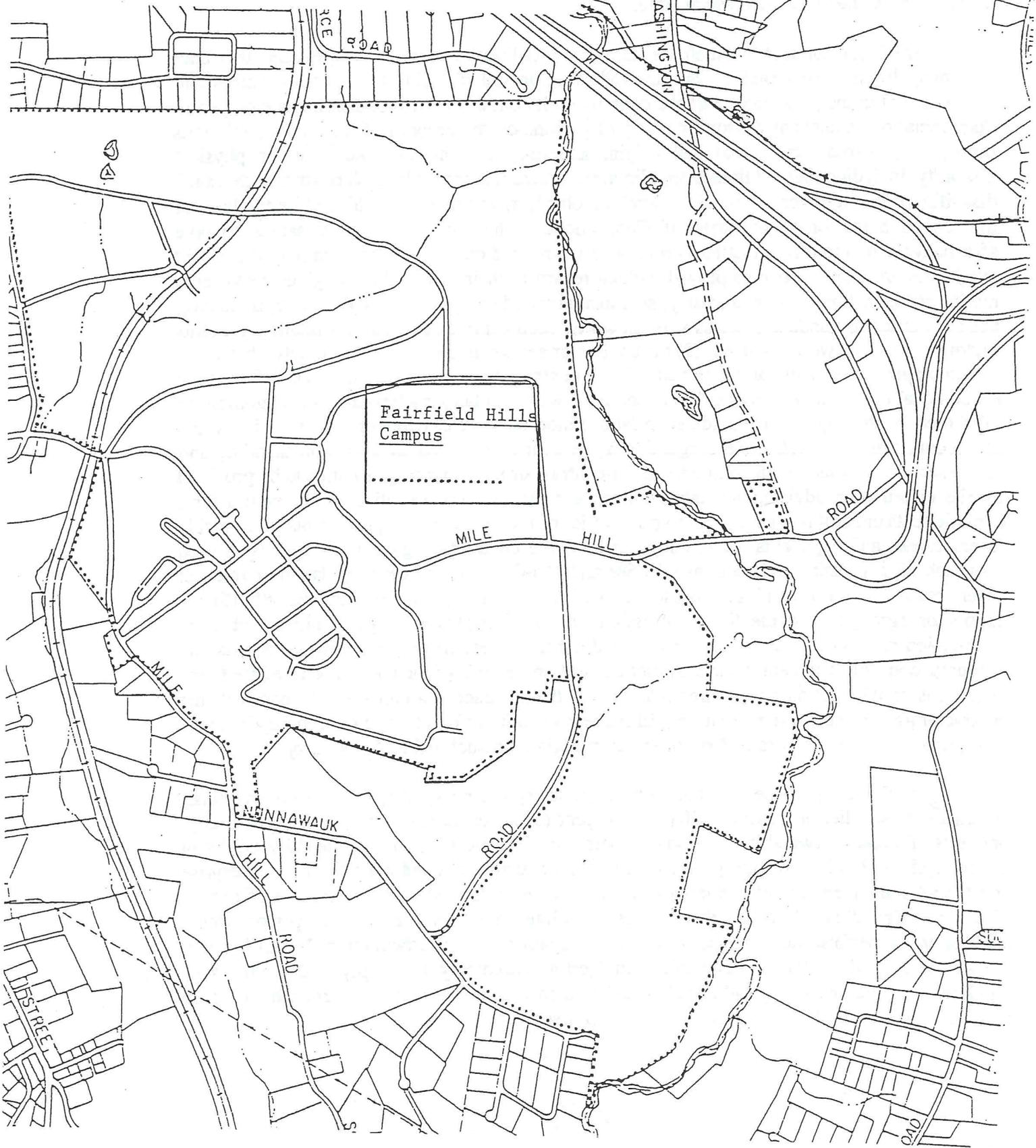
Barbara Daley

Its Commissioner
Duly Authorized

APPROVED TO FORM:

By: [Signature] 2/20/54
Date
Assoc.

This map is produced from the Town of Newtown Base Line Map of 1991. It has been adjusted for the Fairfield Hills Campus Area to reflect the recent transfer of land for elderly housing in 1993.



Pursuant to Section 4a-60 of the Connecticut General Statutes and Public Acts 91-407, Section 8 and 91-58, Section 16(b)

This Agreement is subject to the provisions of sections 4a-60(a) to (e) of the Connecticut General Statutes which state:

"(a) Every contract to which the state or any political subdivision of the state other than a municipality is a party shall contain the following provisions: (1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation or physical disability, including, but not limited to, blindness, unless it is shown by such contractor that such disability prevents performance of the work involved, in any manner prohibited by the laws of the United States or of the state of Connecticut. The contractor further agrees to take affirmative action to insure that applicants with job related qualifications are employed and that employees are treated when employed without regard to their race, color, religious creed, age, marital status, national origin, ancestry, sex, mental retardation, or physical disability, including, but not limited to blindness, unless it is shown by such contractor that such disability prevents performance of the work involved; (2) the contractor agrees, in all solicitations or advertisements for employees placed by or on behalf of the contractor, to state that it is an "affirmative action-equal opportunity employer" in accordance with regulations adopted by the commission; (3) the contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the commission advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of the notice in conspicuous places available to employees and applicants for employment; (4) the contractor agrees to comply with each provision of this section and sections 46a-68e and 46a-68f and with each regulation or relevant order issued by said commission pursuant to sections 46a-56, 46a-68e and 46a-68f; (5) the contractor agrees to provide the commission on human rights and opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor as relate to the provisions of this section and section 46a-56. If the contract is a public works contract, the contractor agrees and warrants that he will make good faith efforts to employ minority business enterprises as subcontractors and suppliers of materials on such public works project.

"(b) For the purposes of this section "minority business enterprise" means any small contractor or supplier of materials fifty-one percent (51%) or more of the capital stock, if any, or assets of which is owned by a person or persons: (1) who are active in the daily affairs of the enterprise, (2) who have the power to direct the management and policies of the enterprise and (3) who are members of a minority, as such term is defined in subsection (a) of section 32-9n; and "good faith" means that degree of diligence which a reasonable person would exercise in the performance of legal duties and obligations. "Good faith efforts" shall include, but not be limited to, those reasonable initial efforts necessary to comply with statutory or regulatory requirements and additional or substituted efforts when it is determined that such initial efforts will not be sufficient to comply with such requirements.

Attachment B

"(c) Determination of the contractor's good faith efforts shall include but shall not be limited to the following factors: the contractor's employment and subcontracting policies, patterns and practices; affirmative advertising, recruitment and training; technical assistance activities and such other reasonable activities or efforts as the commission may prescribe that are designed to ensure the participation of minority business enterprises in public works projects.

"(d) The contractor shall develop and maintain adequate documentation, in a manner prescribed by the commission, of its good faith efforts.

"(e) The contractor shall include the provisions of subsection (a) of this section in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the State and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the commission. The contractor shall take such action with respect to any such subcontract or purchase order as the commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with Section 46a-56; provided if such contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the commission, the contractor may request the state of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the State and the State may so enter."

This Agreement is subject to the provisions of Section 4a-60a of the Connecticut General Statutes which states:

"(a) Every contract to which the state or any political subdivision of the state other than a municipality is a party shall contain the following provisions: (1) The contractor agrees and warrants that in the performance of the contract such contractor will not discriminate or permit discrimination against any person or group of persons on the grounds of sexual orientation, in any manner prohibited by the laws of the United States or the state of Connecticut, and that employees are treated when employed without regard to their sexual orientation; (2) the contractor agrees to provide each labor union or representative of workers with which such contractor has a collective bargaining agreement or other contract or understanding and each vendor with which such contractor has a contract or understanding, a notice to be provided by the commission on human rights and opportunities advising the labor union or workers' representative of the contractor's commitments under this section, and to post copies of such notice in conspicuous places available to employees and applicants for employment; (3) the contractor agrees to comply with each provision of this section and with each regulation or relevant order issued by said commission pursuant to section 46a-56; (4) the contractor agrees to provide the commission on human rights and opportunities with such information requested by the commission, and permit access to pertinent books, records and accounts, concerning the employment practices and procedures of the contractor which relate to the provisions of this section and section 46a-56.

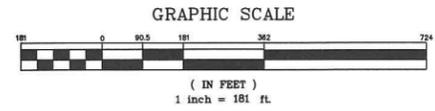
"(b) The contractor shall include the provisions of subsection (a) in every subcontract or purchase order entered into in order to fulfill any obligation of a contract with the state and such provisions shall be binding on a subcontractor, vendor or manufacturer unless exempted by regulations or orders of the commission. The contractor shall take such action with respect to any such subcontract or purchase order as the commission may direct as a means of enforcing such provisions including sanctions for noncompliance in accordance with section 46a-56; provided, if such contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the commission, the contractor may request the state of Connecticut to enter into any such litigation or negotiation prior thereto to protect the interests of the state and the state may so enter."

This Agreement is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill promulgated June 16, 1971, and, as such, this Agreement may be canceled, terminated or suspended by the State Labor Commissioner for violation of or noncompliance with said Executive Order No. Three, or any State or Federal Law concerning nondiscrimination, notwithstanding that the Labor Commissioner is not a party to this Agreement. The Applicant as part of the consideration hereof, agrees that said Executive Order No. Three is incorporated herein by reference and made a part hereof. The Applicant agrees to abide by said Executive Order and agrees that the State Labor Commissioner shall have continuing jurisdiction in respect to contract performance in regard to nondiscrimination, until the Project is completed or terminated prior to completion. The Applicant agrees as part consideration hereof, that this Agreement is subject to the guidelines and rules issued by the State Labor Commissioner to implement Executive Order No. Three and that she will not discriminate in the Applicant's employment practices or policies, will file all reports as required, and will fully cooperate with the State of Connecticut and the State Labor Commissioner.

This Agreement is subject to the provisions of Executive Order No. Seventeen of Governor Thomas J. Meskill promulgated February 15, 1973, and, as such, this Agreement may be canceled, terminated or suspended by the Commissioner or the State Labor Commissioner for violation of or noncompliance with said Executive Order No. Seventeen, notwithstanding that the Labor Commissioner may not be a party to this Agreement. The Applicant, as part of the consideration hereof, agrees that the Executive Order No. Seventeen is incorporated herein by reference and made a part hereof, including, but not limited to, those provisions requiring the Applicant to list any and all employment openings with the local State of Connecticut Job Center (formerly known as the Connecticut Employment Service). The Applicant agrees to abide by said Executive Order and agrees that the Commissioner and the State Labor Commissioner shall have joint and several continuing jurisdiction in respect to listing all employment openings with the Connecticut Job Center.



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NEWTOWN RESIDENTIAL DEVELOPMENT
 79 CHURCH HILL ROAD
 NEWTOWN, CONNECTICUT
 MAP 38, BLOCK 2, LOT 1

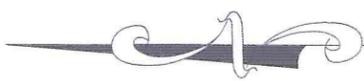
Westcott and Mapes, Inc.
 Consulting Engineers since 1916
 142 Temple Street
 New Haven, CT 06510
 TEL (203) 789-1260 • FAX (203) 789-8261
 E-mail address: westcottandmapes@net.net

AERIAL MAP

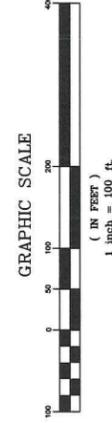
MARCH 12, 2015

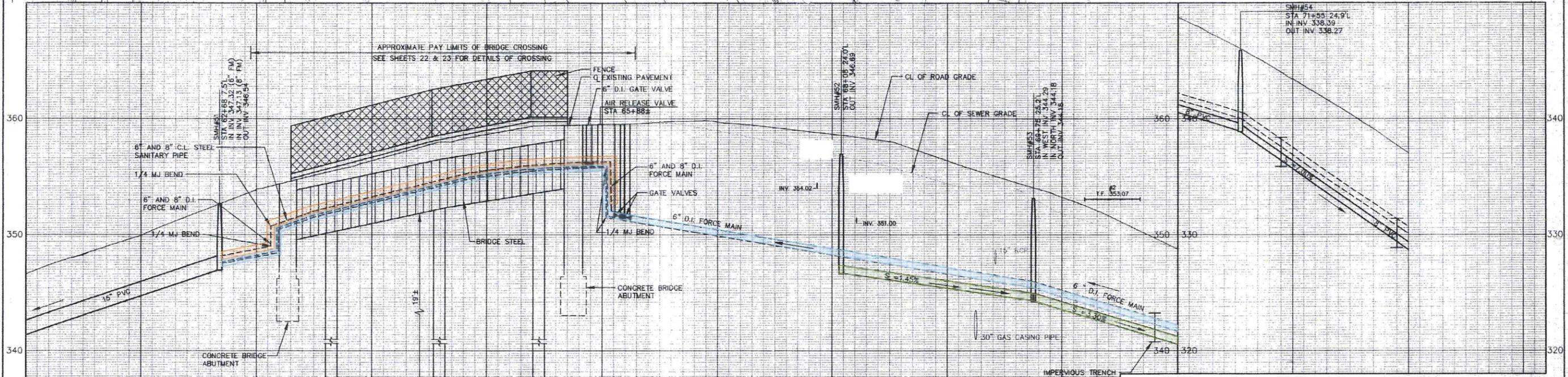
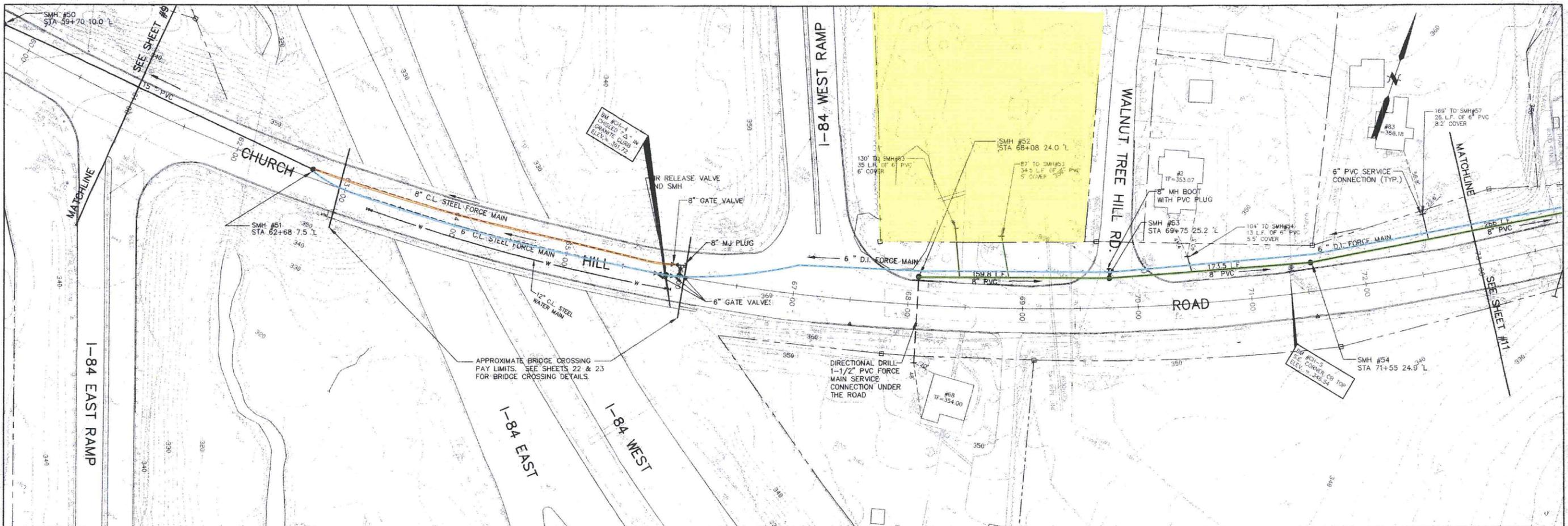
Town of Newtown

Geographic Information System (GIS)



Date Printed: 7/29/2014





RECORD DRAWING

REVIEWED	BY	DATE
PROJ. DIR.		
PROJ. MGR.		
PROJ. ENGR.		
CAD DESIGNER		
DESIGNER		
SURVEY		
REVIEWER		

REVISION DATE:

Δ	8/14/97	Δ
Δ		Δ

DATUM: H: NAD27 V: NGVD29
 SCALE: H: 1" = 40' V: 1" = 4'

FILE NAME: H:\CHURCH\SP\MS\INFO
 PLOT NUMBER: 92-248A4

DATE: MAY 1995

SHEET NO. 10 OF 30

CONTRACT 4

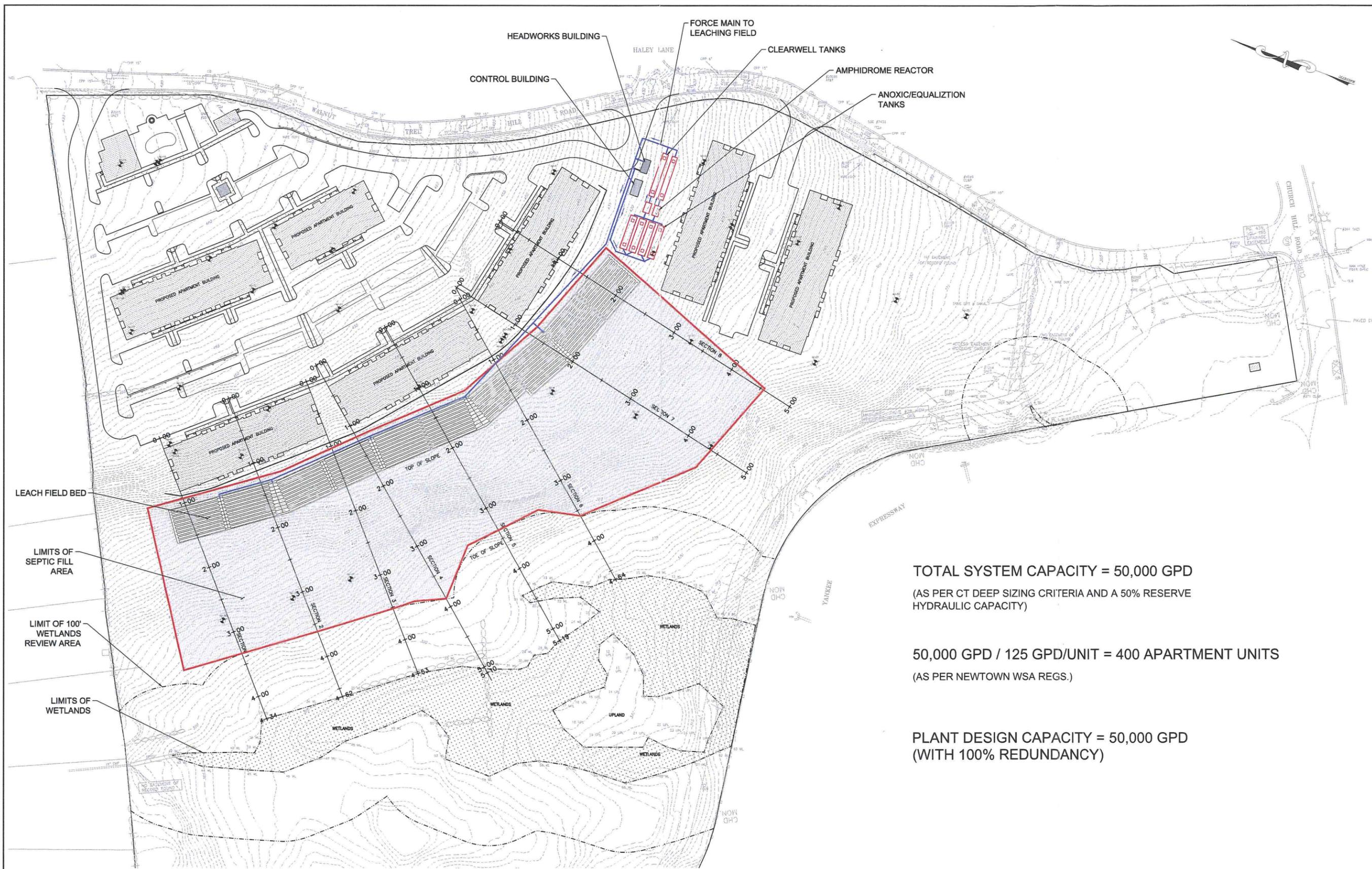
TOWN OF NEWTOWN

CONNECTION

PLAN AND PROFILE
 CHURCH HILL ROAD
 61+00 TO 73+00
 SANITARY SEWER - CONTRACT 4
 CONNECTICUT

FUSS & O'NEILL INC. Consulting Engineers
 146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
 (860) 646-2469

THESE RECORD DRAWINGS HAVE BEEN PREPARED IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.



LEACH FIELD BED

LIMITS OF SEPTIC FILL AREA

LIMIT OF 100' WETLANDS REVIEW AREA

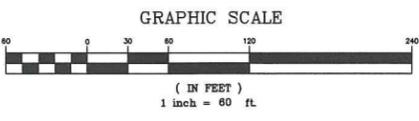
LIMITS OF WETLANDS

TOTAL SYSTEM CAPACITY = 50,000 GPD
 (AS PER CT DEEP SIZING CRITERIA AND A 50% RESERVE HYDRAULIC CAPACITY)

50,000 GPD / 125 GPD/UNIT = 400 APARTMENT UNITS
 (AS PER NEWTOWN WSA REGS.)

PLANT DESIGN CAPACITY = 50,000 GPD
 (WITH 100% REDUNDANCY)

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Revisions		
No.	Date	Description

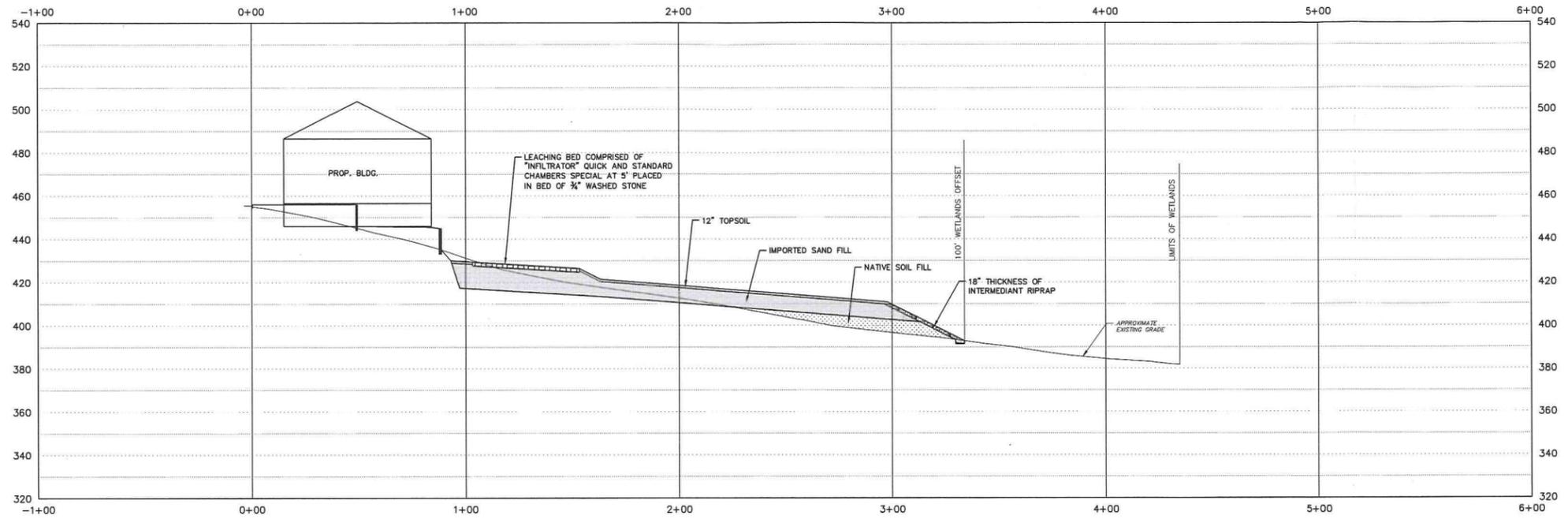
Project Title
NEWTOWN RESIDENTIAL DEVELOPMENT
 79 CHURCH HILL ROAD
 NEWTOWN, CONNECTICUT
 MAP 38, BLOCK 2, LOT 1

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 Consulting Engineers since 1916
 142 Temple Street
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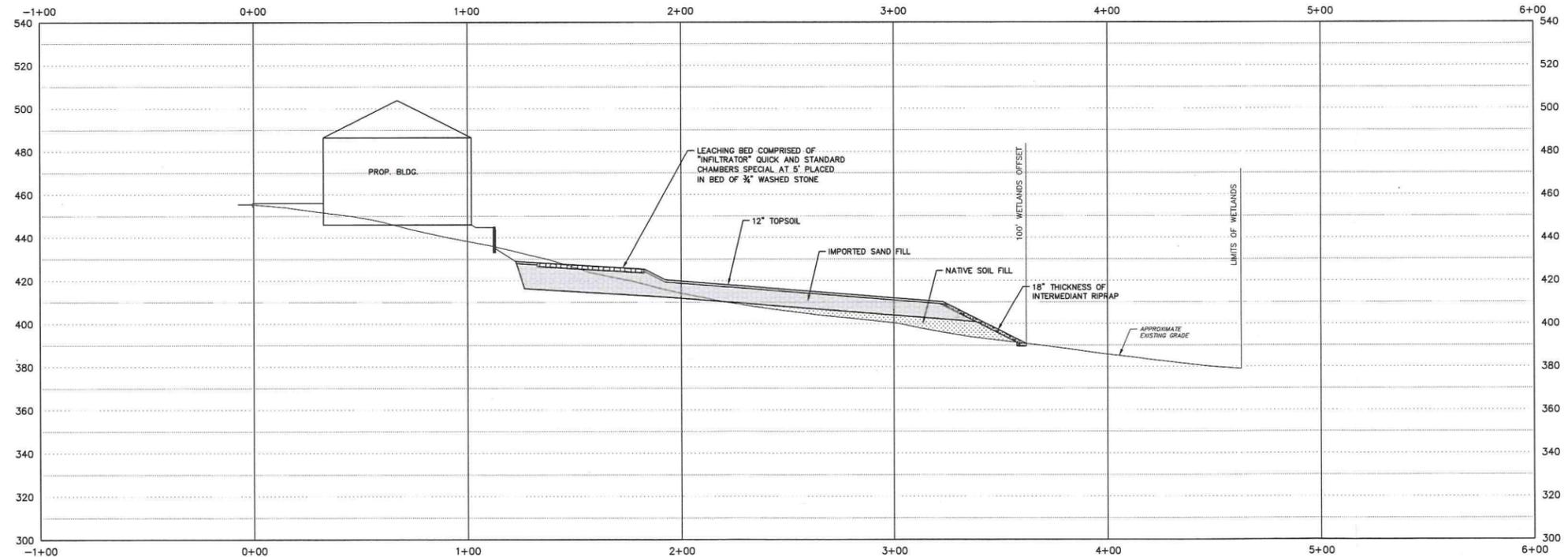
Seal

Drawing Title
CONCEPTUAL DESIGN SITE PLAN SUBSURFACE SEWAGE DISPOSAL SYSTEM

Designed GAJ/MFG	Date 02/03/15
Drawn MFG	Scale 1" = 60'
Approved RGP	SP-1
Project No. 14-004-10	
File Name 14-004-10 CIV. SEPTIC DESIGN	Sheet No.

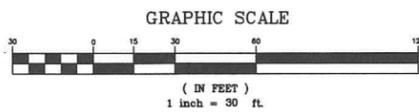


SECTION '1'
 1"=30' HORIZ.
 1"=30' VERT.



SECTION '2'
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 1"=30' VERT.

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Revisions		Description
No.	Date	

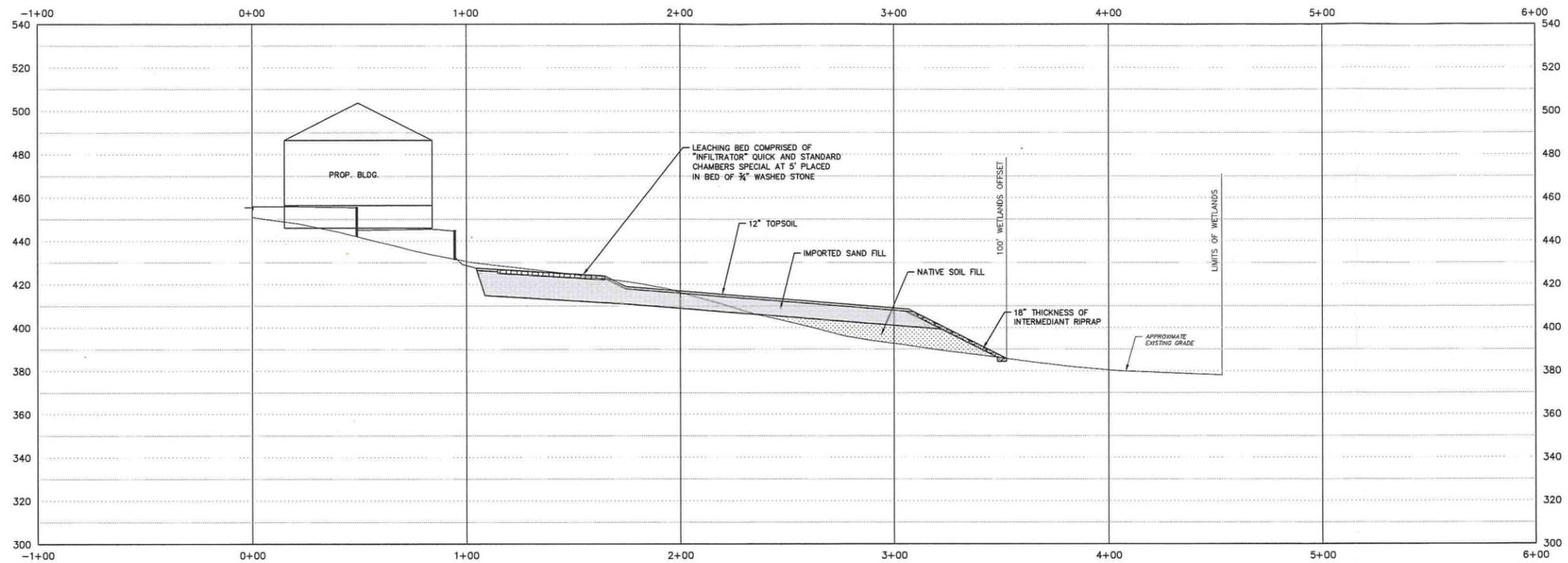
Project Title
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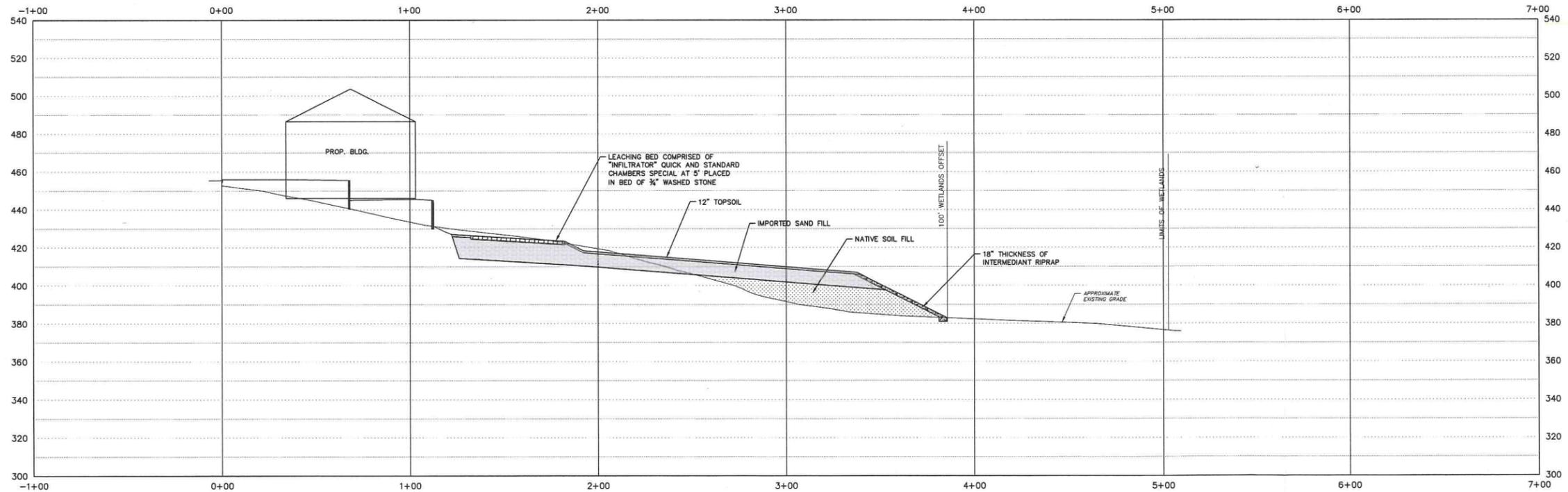
Seal

Drawing Title
CONCEPTUAL DESIGN SECTION SUBSURFACE SEWAGE DISPOSAL SYSTEM

Designed	GAJ/MFG	Date	02/03/15
Drawn	MFG	Scale	AS NOTED
Approved	RGP	Project No.	14-004-10
File Name	14-004-10 DWG SEPTIC DESGN	Sheet No.	2

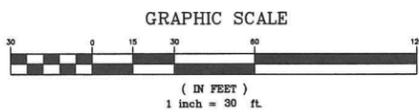


SECTION '3'
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 1"=30' VERT.



SECTION '4'
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 1"=30' VERT.

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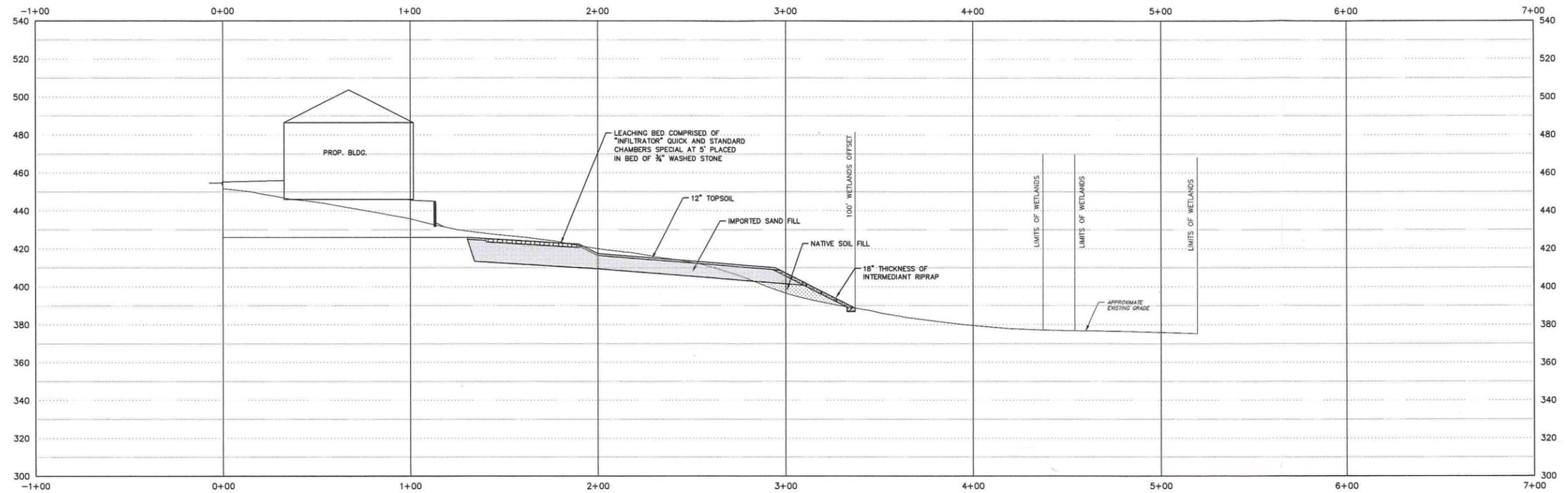
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 NEWTOWN, CONNECTICUT
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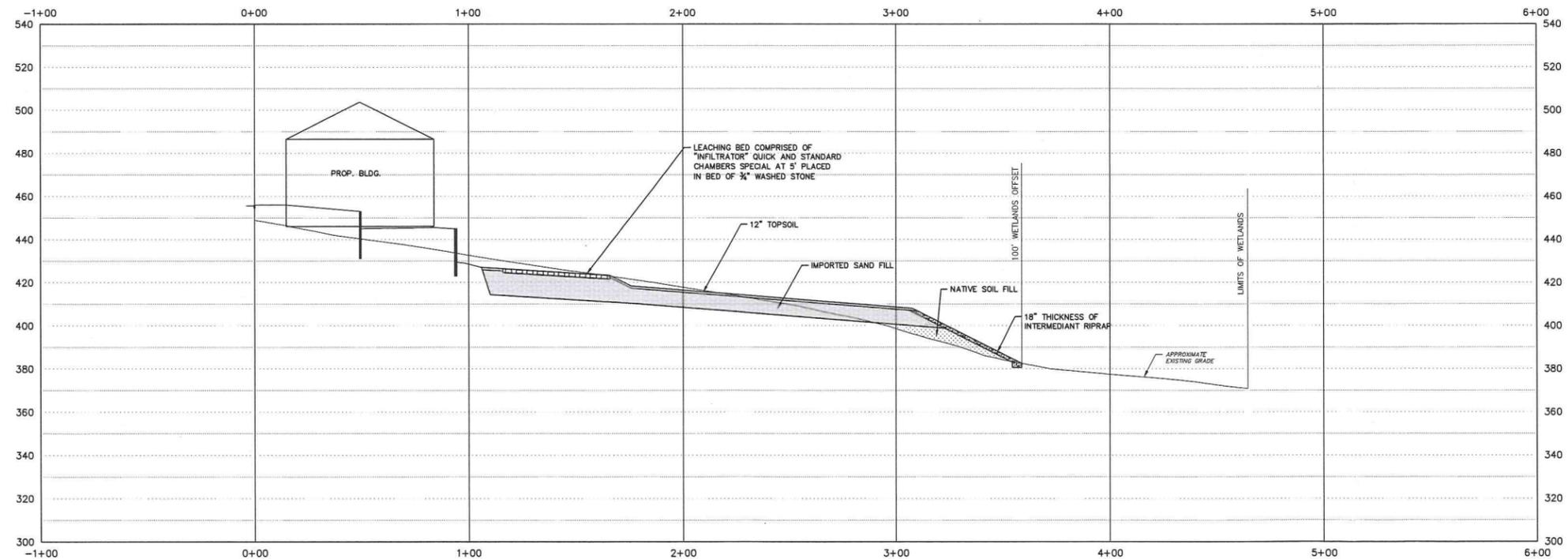
Seal

Drawing Title
CONCEPTUAL DESIGN SECTION SUBSURFACE SEWAGE DISPOSAL SYSTEM

Designed	GAJ/MFG	Date	02/03/15
Drawn	MFG	Scale	AS NOTED
Approved	RGP		
Project No.	14-004-10		3
File Name	14-004-10 CIVIL SEPTIC DESIGN		Sheet No.

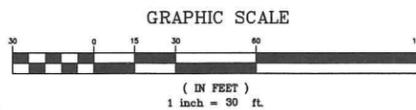


SECTION '5'
 1"=30' HORIZ.
 1"=30' VERT.



SECTION '6'
 1"=30' HORIZ.
 1"=30' VERT.

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Revisions		
No.	Date	Description

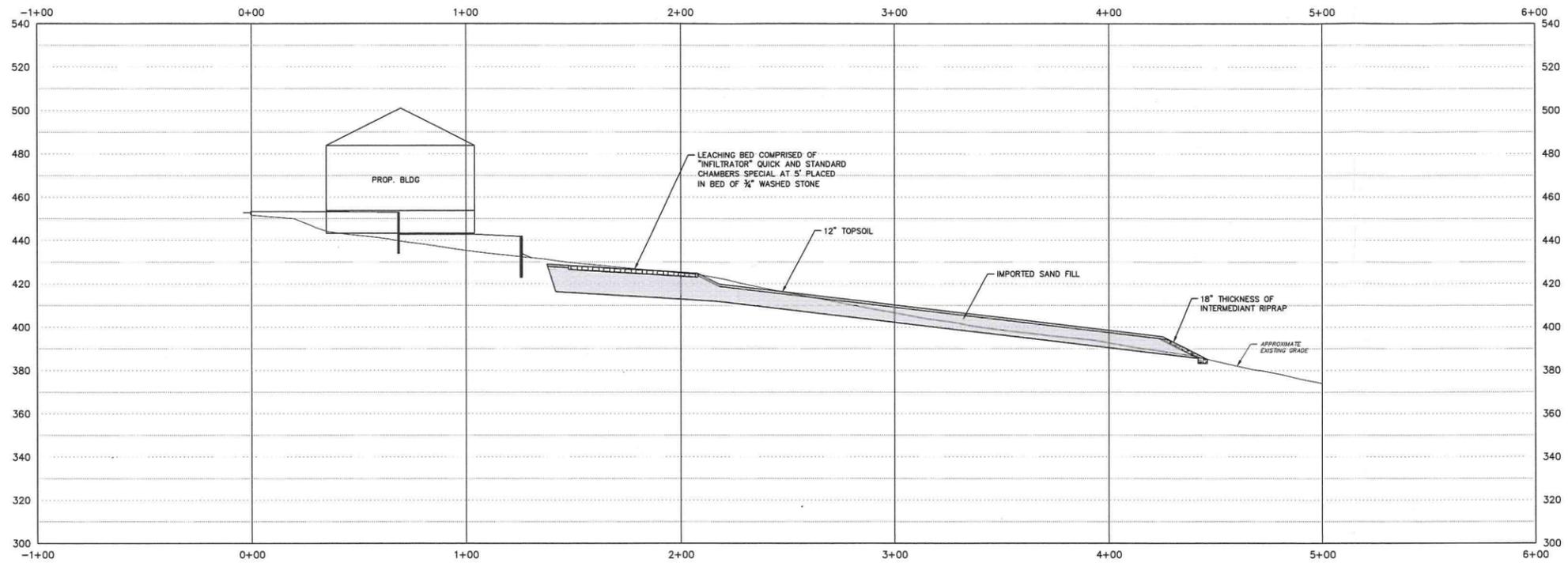
Project Title
NEWTOWN RESIDENTIAL DEVELOPMENT
 79 CHURCH HILL ROAD
 NEWTOWN, CONNECTICUT
 MAP 38, BLOCK 2, LOT 1

Westcott and Mapes, Inc.
 Consulting Engineers since 1916
 142 Temple Street
 New Haven, CT 06510
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 E-mail address: westcottandmapes@net.net

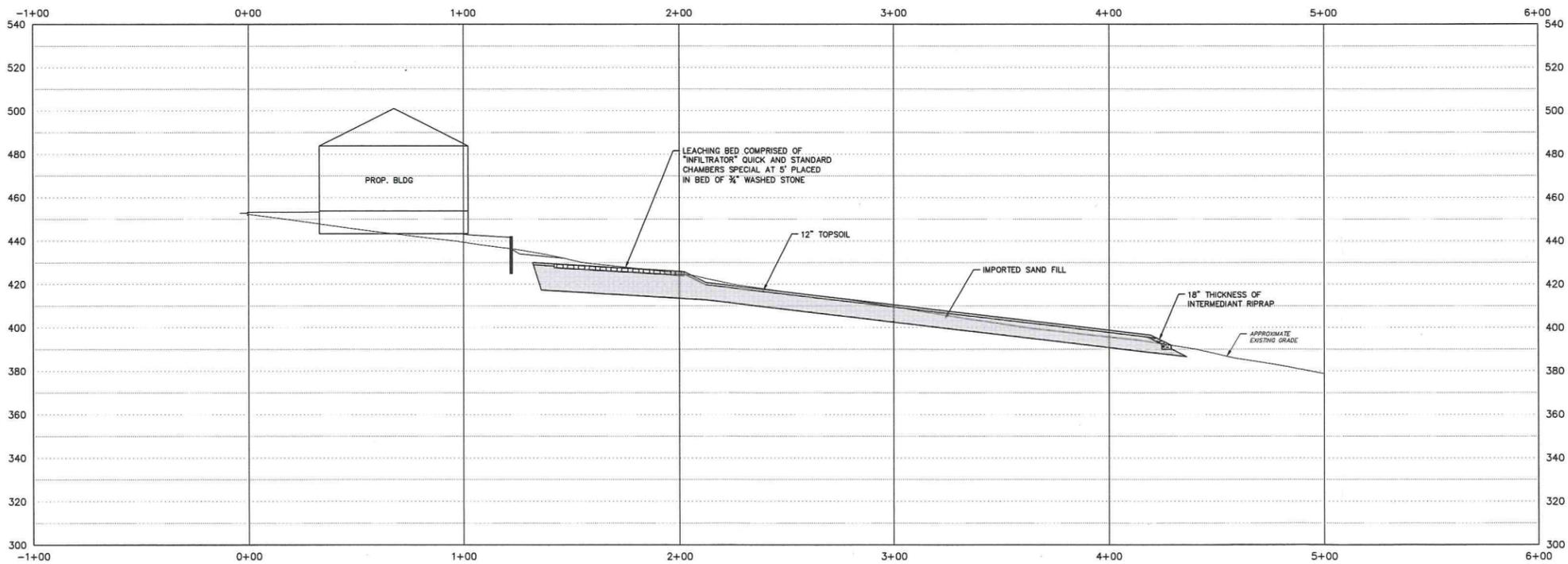
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Drawing Title
CONCEPTUAL DESIGN SECTION SUBSURFACE SEWAGE DISPOSAL SYSTEM

Designed	GAJ/MFG	Date	02/03/15
Drawn	MFG	Scale	AS NOTED
Approved	RGP		
Project No.	14-004-10		
File Name	14-004-10 CIVL SEPTIC DESIGN		
Sheet No.	4		

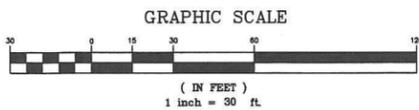


SECTION '7'
 1"=30' HORIZ.
 1"=30' VERT.



SECTION '8'
 1"=30' HORIZ.
 1"=30' VERT.

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Revisions		
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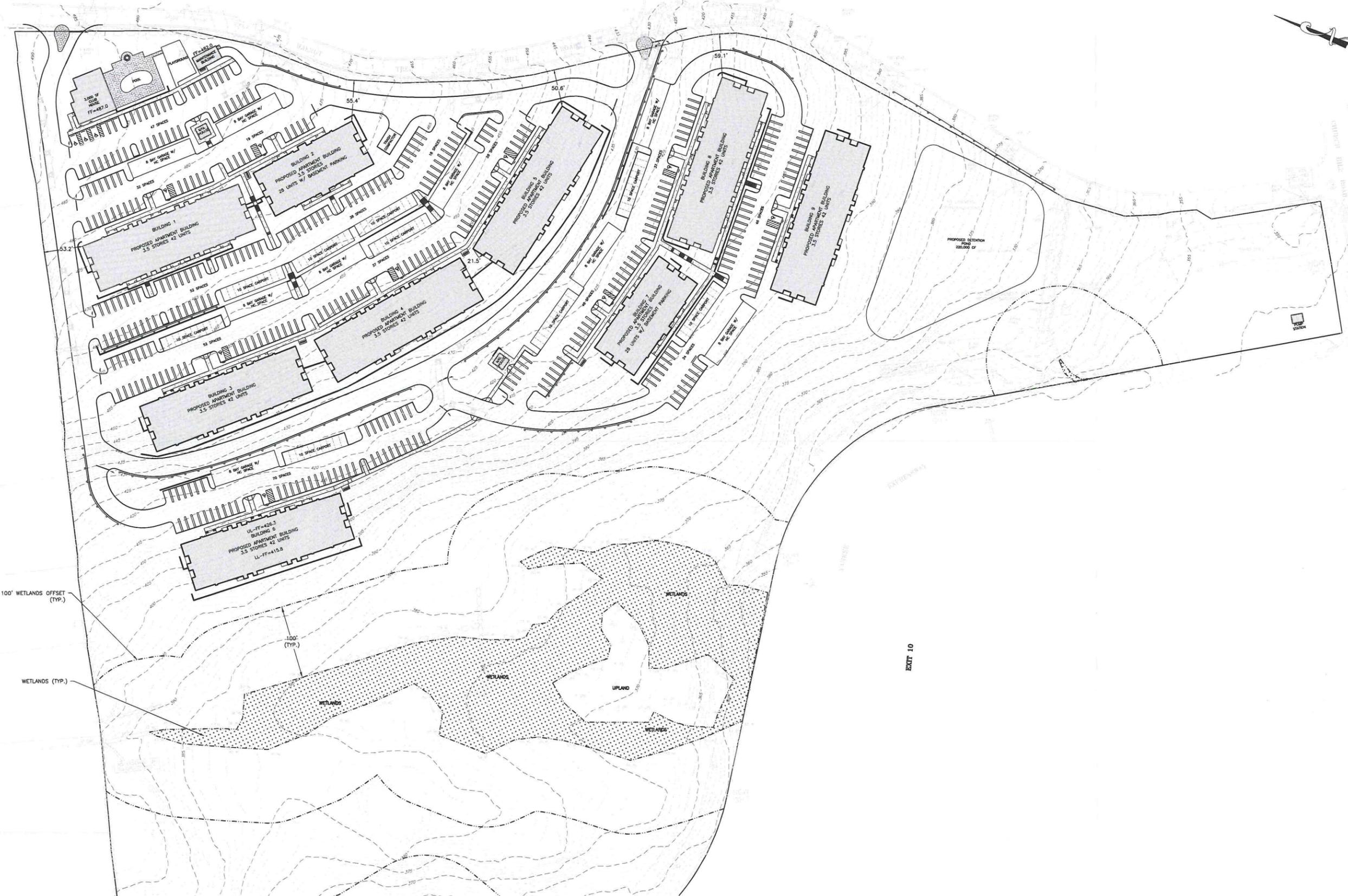
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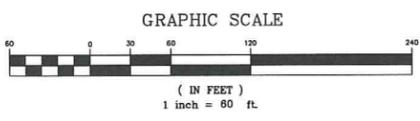
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Drawing Title
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OVERALL SITE PLAN

MARCH 12, 2015