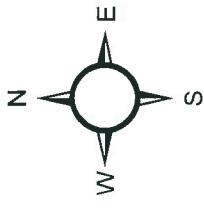


## **Map, Plan Details with Cost Estimates for Area East of EPCAL**



1 inch = 2,700 feet

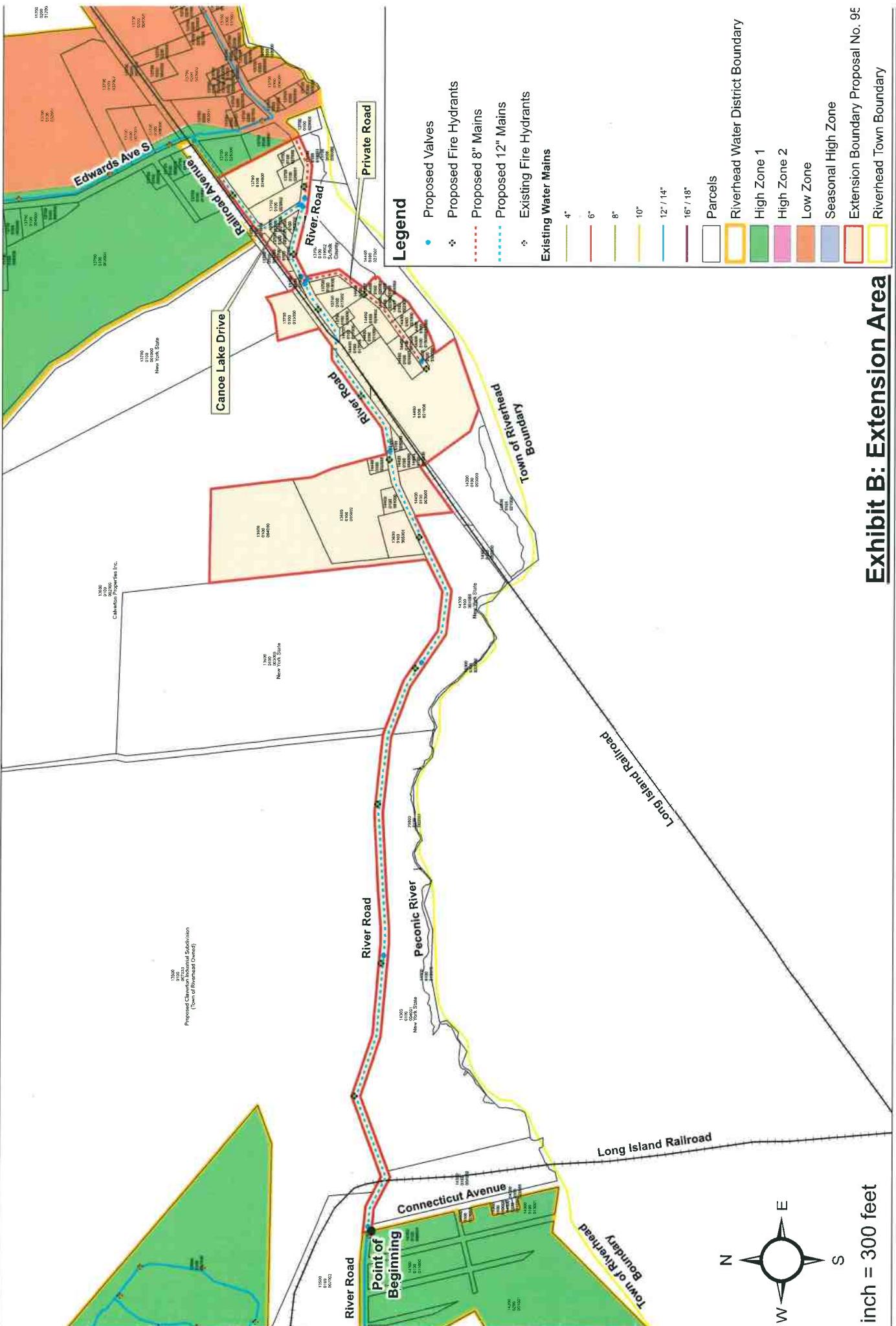


Proposed Extension Area No. 95

**Legend**

Extension Boundary Proposal No. 95	Red
TownBoundary	Orange
Riverhead Water District Boundary	Yellow
Parcels	Light Blue and White

**Exhibit A: Riverhead Water District  
with Proposed Extension**



## Exhibit B: Extension Area

EXHIBIT 'C'  
RIVERHEAD WATER DISTRICT  
PROPOSED BOUNDARY & WATER MAIN EXTENSION No. 95  
RIVER ROAD, CALVERTON  
DESCRIPTION OF EXTENSION

MARCH 2021

Parcel A, comprised of all these certain lots, parcels of land, said property being known as District 0600, Section 100, Block 01, Lots 09, 10, 11, and 12 situated and lying and being at Calverton, Town of Riverhead, County of Suffolk, and State of New York, bounded and described as follows:

BEGINNING at a point formed by the southerly right-of-way line of River Road and the westerly right-of-way line of Connecticut Avenue. Said point being the **POINT OF BEGINNING**.

From said **POINT OF BEGINNING**, running east along a line perpendicular to the westerly right-of-way line of Connecticut Avenue, a distance of 52 feet to the point formed by the easterly right-of-way line of Connecticut Avenue and the southerly right-of-way line of River Road.

THENCE, running east along the southerly right-of-way line of River Road, a distance of approximately 454 feet to a point formed by the westerly property line of District 0600, Section 143, Block 01, Lot 4.1 and the aforementioned boundary line.

THENCE, running east along the southerly right-of-way line of River Road, a distance of approximately 3,506 feet to a point formed by the westerly property line of District 0600, Section 143, Block 01, Lot 1 and the aforementioned boundary line.

THENCE, running east along the southerly right-of-way line of River Road, a distance of approximately 1,900 feet to a point formed by the westerly property line of District 0600, Section 144, Block 01, Lot 3 and the aforementioned boundary line.

THENCE, running south along the westerly property line of District 0600, Section 144, Block 01, Lot 3, a distance of approximately 298 feet to a point formed by the northerly property line of District 0600, Section 144, Block 01, Lot 6 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 3, a distance of approximately 443 feet to a point formed by the southerly and westerly property line of District 0600, Section 144, Block 01, Lot 4 and the aforementioned boundary line.

THENCE, running south along a line perpendicular to the southerly property line of District 0600, Section 144, Block 01, Lot 3, a distance of approximately 64 feet to a point formed by the northerly and easterly property line of District 0600, Section 143, Block 01, Lot 3, and the westerly property line of District 0600, Section 144, Block 01, Lot 27.6.

THENCE, running south along the westerly property line of District 0600, Section 144, Block 01, Lot 27.6, a distance of approximately 610 feet to the southwesterly corner of aforementioned property.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 27.6, a distance of approximately 583 feet to a point formed by the southerly and westerly property line of District 0600, Section 144, Block 01, Lot 27.7 and the aforementioned boundary line.

THENCE, running north along the easterly property line of District 0600, Section 144, Block 01, Lot 27.6, a distance of approximately 192 to a point formed by the southerly and westerly property line of District 0600, Section 144, Block 01, Lot 18 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 18, a distance of approximately 67 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 19 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 19, a distance of approximately 163 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 20 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 20, a distance of approximately 60 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 21 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 21, a distance of approximately 120 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 22 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 22, a distance of approximately 81 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 23 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 23, a distance of approximately 100 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 24 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 24, a distance of approximately 162 feet to a point formed by the southerly and westerly property lines of District 0600, Section 144, Block 01, Lot 26.1 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 26.1, a distance of approximately 162 feet to a point formed by the westerly property line of District 0600, Section 137, Block 01, Lot 19.2 and the aforementioned boundary line.

THENCE, running north along the westerly property line of District 0600, Section 137, Block 01, Lot 19.2, a distance of approximately 114 feet to a point formed by the southerly property line of District 0600, Section 144, Block 01, Lot 17.7 and the aforementioned boundary line.

THENCE, running east along the southerly property line of District 0600, Section 144, Block 01, Lot 17.7, a distance of approximately 518 feet to a point formed by the southerly right-of-way line of River Road and the aforementioned boundary line.

THENCE, running east along the southerly right-of-way line of River Road, a distance of approximately 793 feet to a point formed by the westerly property line of District 0600, Section 137, Block 01, Lot 19.1 and the aforementioned boundary line.

THENCE, running east along the southerly right-of-way line of River Road, a distance of approximately 361 feet to a point formed by the easterly property line of District 0600, Section 137, Block 01, Lot 19.1 and the aforementioned boundary line.

THENCE, running along a line perpendicular to the southerly right-of-way line of River Road, a distance of approximately 66 feet to a point formed by the easterly property line of District 0600, Section 137, Block 01, Lot 24 and the northerly right-of-way line of River Road.

THENCE, running north along the easterly property line of District 0600, Section 137, Block 01, Lot 24, a distance of approximately 356 feet to a point formed by the northerly property line of District 0600, Section 137, Block 01, Lot 28, the southerly property line of District 0600, Section 137, Block 01, Lot 25 and the aforementioned boundary line.

THENCE, running north along the easterly property line of District 0600, Section 137, Block 01, Lot 24, a distance of approximately 247 feet to a point formed by the southerly right-of-way line of Railroad Avenue and the aforementioned boundary line.

THENCE, running along a line perpendicular to the southerly right-of-way line of Railroad Avenue, a distance of approximately 48 feet to a point on the northerly right-of-way line of Railroad Avenue.

THENCE, running west along the northerly right-of-way line of Railroad Avenue, a distance of approximately 560 feet to a point formed by the easterly property line of District 0600, Section 137, Block 01, Lot 12 and the aforementioned boundary line.

THENCE, running west along the northerly property line of District 0600, Section 137, Block 01, Lot 12, a distance of approximately 348 feet to a point formed by the northerly and easterly property lines of District 0600, Section 137, Block 01, Lot 13 and the aforementioned boundary line.

THENCE, running west along the northerly property line of District 0600, Section 137, Block 01, Lot 13, a distance of approximately 144 feet to a point on the aforementioned boundary line.

THENCE, running north along a line perpendicular to the northerly property line of District 0600, Section 137, Block 01, Lot 13, a distance of approximately 61 feet to a point formed by the southerly and easterly property lines of District 0600, Section 137, Block 01, Lot 15.

THENCE, running north along the easterly property line of District 0600, Section 137, Block 01, Lot 15, a distance of approximately 208 feet to the northeasterly corner of aforementioned property.

THENCE, running west along the northerly property line of District 0600, Section 137, Block 01, Lot 15, a distance of approximately 292 feet to a point formed by the westerly property line of District 0600, Section 137, Block 01, Lot 1 and the aforementioned boundary line.

THENCE, running west along the northerly property line of District 0600, Section 137, Block 01, Lot 15, a distance of approximately 68 feet to the northwesterly corner of aforementioned property.

THENCE, running south along the westerly property line of District 0600, Section 137, Block 01, Lot 15, a distance of approximately 338 feet to a point formed by the northerly property line of District 0600, Section 137, Block 01, Lot 14 and the aforementioned boundary line.

THENCE, running west along the northerly property line of District 0600, Section 137, Block 01, Lot 14, a distance of approximately 173 feet to a point formed by the northerly right-of-way line of River Road and the aforementioned boundary line.

THENCE, running west along the northerly right-of-way line of River Road, a distance of approximately 978 feet to a point formed by the easterly property line of District 0600, Section 144, Block 01, Lot 2 and the aforementioned boundary line.

THENCE, running north along the easterly property line of District 0600, Section 144, Block 01, Lot 2, a distance of approximately 158 feet to a point formed by the easterly property line of District 0600, Section 136, Block 01, Lot 5.2 and the aforementioned boundary line.

THENCE, running north along the easterly property line of District 0600, Section 136, Block 01, Lot 5.2, a distance of approximately 613 feet to a point formed by the easterly property line of District 0600, Section 136, Block 01, Lot 4 and the aforementioned boundary line.

THENCE, running north along the easterly property line of District 0600, Section 136, Block 01, Lot 4, a distance of approximately 646 feet to the northeasterly corner of the aforementioned property.

THENCE, running west along the northerly property line of District 0600, Section 136, Block 01, Lot 4, a distance of approximately 740 feet to a point formed by the easterly property line of District 0600, Section 136, Block 01, Lot 3 and the aforementioned boundary line.

THENCE, running south along the westerly property line of District 0600, Section 136, Block 01, Lot 4, a distance of approximately 1,740 feet to a point formed by the northerly right-of-way line of River Road and the aforementioned boundary line.

THENCE, running west along the northerly right-of-way line of River Road, a distance of approximately 5,212 feet to a point formed by the easterly property line of District 0600, Section 135, Block 01, Lot 7.2 and the aforementioned boundary line.

THENCE, running west along the northerly right-of-way line of River Road, a distance of approximately 330 feet to a point of the aforementioned boundary line.

THENCE, running south along a line perpendicular to the northerly right-of-way line of River Road, a distance of approximately 70 feet to a point formed by the southerly right-of-way line of River Road and the westerly right-of-way line of Connecticut Avenue. Said point being the aforementioned **POINT OF BEGINNING.**

**END OF DESCRIPTION**



architects + engineers

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Melville, NY 11747 | **tel** 631.756.8000

February 10, 2021

Supt. Frank Mancini, P.G.  
Riverhead Water District  
1035 Pulaski Street  
Riverhead, New York 11901

**Re: Riverhead Water District  
Proposed Extension No. 95 – River Road Calverton  
Preliminary Cost Estimate  
H2M Project No. RDWD2151**

Dear Supt. Mancini:

At the request of the Town of Riverhead, we have been authorized to prepare this Preliminary Cost Estimate associated with the Map & Plan being considered for both the extension of the boundaries of the Riverhead Water District and a lateral extension of water facilities to provide disenfranchised areas with potable water and fire protection. This area includes approximately twenty-six parcels of which all but three are residential in nature. All parcels are entirely within the boundaries of the Town but obtain water from private wells.

The extension will include the installation of approximately 12,500 feet of new cement-lined ductile water main along River Road, Railroad Avenue and Private Road including the appropriate valves and hydrants. In addition, a new one-inch water service is proposed to be extended to each home. The total estimated cost to extend water facilities to the affected properties is \$3,150,000. A detailed estimation of the proposed costs to extend these facilities is shown below:

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
1A	Furnish & Install 6" CLDI Water Main	500 LF	\$58.00	\$29,000.00
1B	Furnish & Install 8" CLDI Water Main	1,500 LF	\$76.00	\$114,000.00
1D	Furnish & Install 12" CLDI Water Main	10,500 LF	\$104.00	\$1,092,000.00
2	MJ Castings	7,000 LBS	\$1.50	\$10,500.00
3A	6" MJ Valves & Boxes	18 UNITS	\$1,650.00	\$29,700.00
3B	8" MJ Valves & Boxes	2 UNITS	\$3,000.00	\$6,000.00
3D	12" MJ Valves & Boxes	12 UNITS	\$4,200.00	\$50,400.00
4A	Hydrant Assembly	18 UNITS	\$4,800.00	\$86,400.00
5	Pressure & Bacteriological Testing	12,500 LF	\$2.00	\$25,000.00
6	Removal & Disposal of Unsuitable Soils	500 CY	\$70.00	\$35,000.00
8D	Cut-In Connection on 12" Water Man	1 UNIT	\$20,250.00	\$20,250.00
9	Furnish & Place Clean Fill	500 CY	\$40.00	\$20,000.00
10	Town Asphalt Road Restoration	4,000 SY	\$120.00	\$480,000.00

13ED	Steel Casing Jack of Edwards Avenue	80 LF	\$450.00	\$36,000.00
13RR	Jacking / Drill of Railroad Tracks	120 LF	\$550.00	\$66,000.00
14	Soft Shoulder Restoration	6,250 SY	\$3.00	\$18,750.00
26	Mobilization	1 UNIT	\$5,000.00	\$5,000.00
30A	Install 1" Water Service up to Meter	26 UNITS	\$3,000.00	\$78,000.00
30P	Install 1" Service Meter to House	26 UNITS	\$15,000.00	\$390,000.00
CONSTRUCTION COST SUBTOTAL:				\$2,592,000.00
Preparation of Map & Plan:				\$9,500.00
Survey, Regulatory Permitting, Railroad Coordination:				\$30,000.00
Design, SCDHS Submission and Bidding:				\$115,000.00
Construction Administration, As-Built Drawings & Map Updates:				\$42,000.00
Construction Observation Services:				\$76,000.00
Contingencies (approx. 5%):				\$128,148.00
Key Money Fees (\$6,052 / dwelling):				\$157,352.00
NON-CONSTRUCTION COST SUBTOTAL:				\$558,000.00
TOTAL PROJECT COST:				\$3,150,000.00

Should you have any questions or comments regarding this cost estimation, please feel free to contact the undersigned.

Very truly yours,

**H2M architects + engineers**

Digitally signed by John Collins,  
P.E.  
DN: C=US, E=jcollins@h2m.com,  
O=H2M, CN=John Collins,  
P.E.,  
Date: 2021.02.10 12:08:27-05'00'

John R. Collins, P.E.

cc: Annemarie Prudenti, Esq.