

## **CWD 2 Water lining/New water main/Valve Replacement (R2019-007)**

The upgrades include relining of ~ 10 miles (52,800 ft) of pipe, installation of valves, and the installation of new mains. The estimated timeline to complete all aspect of this project is ~ 2 years. The following should be noted:

- The relining project requires temporary water be placed into service (including hydrants);
- Based on industry standards ~1,000 ft per week relining can be completed;
- Typical production seasons last from April to October in this area;
- Assuming the selected contractor is able to reline the pipes at this rate, the relining project would take ~ one (1) year to complete (if working year-round);
- This would require that temporary water lines be installed in the winter months;
- In order to save money, by not having to provide heated temporary lines in the winter months, the relining project has been broken down into two (2) phases as follows:
- Contract Phase 1 - includes the relining Fair Street, St. Michaels Terrace, Everett Road, and Kelly Ridge Road areas;
- Contract Phase 2 – included relining Sunset Ridge, Collier Drive (East and West), Fowler Avenue Sunny Crest, and Lindy Drive areas
- The design of the new main (backlot between Kelly Road and Stoneleigh) and the valve installation projects will be let out in the spring/summer 2021 for a 2021 summer/fall start.

## **R265 – Water Lining (Phase 1)**

- Bid documents were made available on December 31, 2020.
- Bids were opened on February 23, 2021 at 11:00 am Bids by the Town Clerk for the above project.
- Michel's Pipe Services was the lowest bidder at \$3,152,200.00.
- Town Board Approved project at March 17, 2021 meeting
- Notice of award sent on March 18, 2021.
- Contracts to be signed and kick off meeting scheduled for April 12, 2021.
- Schedule to complete to be provided at that time.
- Phase 2 to be let out for work in 2022

## **R266 Water Main**

- Plans were submitted to the Putnam County Department of Health in December 2020
- Comments received back from PCDOH on March 11, 2021
- Updated drawings submitted to PCDOH
- Once approved by the PCDOH , then the following is the anticipated schedule
  - Two (2) weeks for preparing bid documents
  - Assume 30-45 days for bidding
  - Two (2) weeks for award
  - 30 days for contract signing/Notice to proceed (NTP)

## **CWD 2 Storage Tank Projects R2091-006**

The upgrades being designed include the following:

- Rehabilitation of glass lined tanks in CWD 3 (Secor Road) and CWD 8 (Crest Road and Kings Ridge);
- Replacement of existing tanks in CWD 2 (Everett Road) and CWD 14 (Red Mills);
- Rehabilitation of steel tanks in CWD 2 (Lindy Road and Clapboard Ridge); and
- Rehabilitation of the pneumatic tank and structure in CWD 9.

Due to the type of work and phasing, the work was separated into three (3) contracts, Glass Lined Tank Rehabilitation and New Tank Construction (C268); Steel Tank Rehabilitation (C257); and CWD #9 Building Upgrades (C269). The following should be noted:

- Contract No. C268: The glass lined tank rehabilitation (CWDs 3 and 8) and tank replacement project (CWD 2- Everett Road) and 14)
- Contract C257: The Rehabilitation of steel tanks (CWD 2). This included a water model of CWD #2 water distribution system
- Contract C269: project will be let out in spring 2021 for work in the summer of 2021. Drawing/Specifications submitted to Town in February. Internal review being performed.

### **C268 (Everett Road Tank)**

- Plans were submitted to the Putnam County Department of Health in December 2020
- Comments received back from PCDOH on March 9, 2021
- Updated drawings submitted to PCDOH, anticipating DOH approval in the next week or two.
- Once approved by the PCDOH , then the following is the anticipated schedule
  - Two (2) weeks for preparing bid documents
  - Assume 30-45 days for bidding
  - Two (2) weeks for award
  - 30 days for contract signing/Notice to proceed (NTP)
- Given this schedule, the estimate for the NTP around the end of July
- Construction to commence soon after and be completed before winter.

### **C257 - CWD 2 Rehabilitation of steel tanks.**

- Plans are being developed.
- Water distribution system model to be performed summer/fall 2021. Intent is to coordinate work with water lining project schedule
- Rehabilitation worked anticipated for 2022.

### **CWD 2 Water Treatment Plant Design (R2020-005)**

- Final report forwarded to Engineering Department on June 30, 2020.
- Town Board passed resolution at August 12, 2020 meeting to have RFP.
- RFP was released on November 16, 2020, it was due back on January 15, 2021.
- One proposal was received (Hazen Arcadis Team).
- RFP opened on February 19, 2021.
- Presented recommendation memorandum to the Board at the March 10, 2021 meeting.
- Per request from Board, met with Hazen on March 12, 2021 to discuss lowering the proposal price. Hazen forwarded updated costs on March 15, 2021.
- Town Board Approved Hazen Proposal at March 17, 2021 meeting
- Contracts forwarded to Hazen on March 18, 2021 for their signature.
- Fully executed contracts to Hazen on April 5, 2021
- Waiting to set up kick off meeting
- Anticipated time frame to complete design 18 months to 2 years.

CARMEL WATER DISTRICT #2 CAPITAL DEBT FORECAST 2019-2030

DEBT ITEM DESCRIPTION	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Carmel Water District #2 Existing Debt (matures 2033)	64,822	63,385	60,332	42,824	26,927	26,803	26,670	26,196	26,002	15,762	15,776	15,759
CWD #2 Bond Sold Oct 2020 (2018 Water Line Replacement \$1.8MM - 20 yr bond debt through 2040)	288,105	286,299	112,977	112,054	113,080	111,850	112,566	111,030	111,438	111,645	111,644	113,160
CWD #2 BANS Outstanding - (2018 Water Meter Project - \$1.7MM - will be sold to bond market October 2020 - estimated debt through 2024)	126,000	368,528	353,000	348,000	347,000	340,000						
Total Existing Carmel Water Dist #2 Debt Service	478,927	718,212	526,309	502,878	487,007	478,653	139,236	137,226	137,440	127,407	127,420	128,919
ANNUAL EXISTING RETIRING/NEW DEBT	412,255	239,285	(191,903)	(23,431)	(15,871)	(8,354)	(339,417)	(2,010)	214	(10,033)	13	1,499
2019 Distribution Sytem Plan Project - \$13,301,400												
- BAN issued October 2019 to cover Design cost - est. \$500,000		8,725	53,000	70,000	75,000	75,000						
- BANS issued annually Oct 2020 - 2023 to cover all phases - est. \$7,000,000			85,000	130,000	217,000	307,000						
- Bond sold October 2024 - estimated \$13.3MM (20 year bond)							876,016	876,126	876,344	876,606	876,784	877,160
2019 Water Tank Maintenance Project - \$2,762,615												
- BAN issued October 2020 to cover Design cost - est. \$1,038,000			82,615	85,000	85,000							
- BANS issued annually Oct 2021 - 2022 to cover all phases - est. \$1,700,000				60,000	60,000							
- Bond sold October 2023 - estimated \$1.5MM (20 year bond)						116,345	115,360	114,359	113,342	112,291	112,202	112,191
2020-2026 Facility Plan (Water Treatment Plant Project) - \$25,000,000												
- BAN to be issued October 2021 to cover Design/Legal/Bonding cost - est. \$3,150,000				70,000	75,000	90,000	90,000	95,000	95,000			
- BANS issued annually Oct 2022 - 2026 to cover all phases - est. \$21,850,000					95,000	185,000	280,000	375,000	470,000			
- Bond sold October 2027 - estimated \$25.0MM (20 year bond)										1,214,540	1,216,480	1,212,920
FUTURE NEW DEBT "Proposed"		8,725	220,615	415,000	607,000	773,345	1,361,376	1,460,485	1,554,686	2,203,437	2,205,466	2,202,271
TOTAL NEW ANNUAL DEBT SERVICE	478,927	726,937	746,924	917,878	1,094,007	1,251,998	1,500,612	1,597,711	1,692,126	2,330,844	2,332,886	2,331,190
TOTAL NEW 'PROPOSED' DEBT (NET OF RETIRING DEBT)	412,255	248,010	19,987	170,954	176,129	157,991	248,614	97,099	94,415	638,718	2,042	(1,696)
Total District Assessed Value	955,435,546	956,393,185	973,804,767	974,129,067	974,129,067	974,129,067	974,129,067	974,129,067	974,129,067	974,129,067	974,129,067	974,129,067
# of parcels	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346	2,346
Average Assessed Value	407,262	407,670	415,092	415,230	415,230	415,230	415,230	415,230	415,230	415,230	415,230	415,230
Rate per thousand	0.0005	0.0008	0.0008	0.0009	0.0011	0.0013	0.0015	0.0016	0.0017	0.0024	0.0024	0.0024
Est Annual Debt Service per Taxpayer in CWD 2	204.15	309.86	318.38	391.25	466.33	533.67	639.65	681.04	721.28	993.54	994.41	993.69
Carmel Sewer District #2 Existing Debt	148,697	149,446										
Total District Assessed Units	1,984.76	1,984.76										
# of parcels	2,299	2,299										
Average Assessed Units	0.8633	0.8633										
Rate per thousand	64.6790	65.0048										
Est Annual Debt Service per Taxpayer in CSD #2	55.84	56.12										
Total Est Annual Debt Service per Taxpayer in both CWD #2/CSD #2	259.98	365.98	318.38	391.25	466.33	533.67	639.65	681.04	721.28	993.54	994.41	993.69