

ADDENDUM NO. 2

TO

**BIDDING AND CONTRACT
REQUIREMENTS AND SPECIFICATIONS**

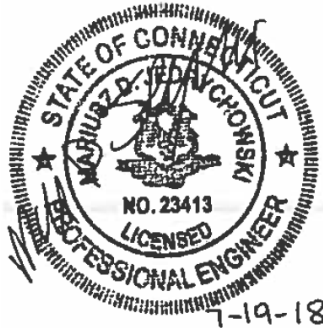
FOR THE

**GUILFORD, CONNECTICUT
WATER MAIN EXTENSION
MULBERRY POINT, TUTTLES POINT, AND LONG COVE
WP Project No. 13675A
Town of Guilford Bid No. 13-1718**

Issued

July 19, 2018 at 10:00 AM (local time)

BID OPENING: July 26, 2018 AT 2:00 PM



Prepared By:

**Wright-Pierce
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Middletown, Connecticut**

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**WATER MAIN EXTENSION
MULBERRY POINT, TUTTLES POINT, AND LONG COVE
ADDENDUM NO. 2
WP Project No. 13675A
Town of Guilford Bid No. 13-1718**

As a point of clarification, it should be understood that the Contract Documents govern all aspects of the project. Discussions held during the Pre-Bid Conference or over the telephone are informal and informational only. All official changes to the Contract Documents are made only by addenda. The following changes and additional information are hereby made a part of the Contract Documents:

A pre-bid conference was held on July 13, 2018 at 10:00 am. A copy of the Agenda is included as Attachment A and considered a part of this Addendum.

SPECIFICATIONS

1. Section 00310, "Bid Form", page 00310-7, Item No. 24, **DELETE** the quantity "6" and **INSERT**, therefore, the new quantity "10".
2. Section SC-32 "State Prevailing Wage Rates", **DELETE** the State Wage Rates in their entirety and **INSERT** the updated State Wage Rates included as Attachment B to this Addendum.
3. Section SC-34 "Federal Prevailing Wage Rates", **DELETE** the Federal Wage Rates in their entirety and **INSERT** the updated Federal Wage Rates included as Attachment C to this Addendum.
4. Section 01150 "Measurement and Payment", page 01150-4, Items No. 2 and 3, paragraph B.1, line 8, immediately following the word "excavation)," **ADD** the following words "for furnishing and installing a concrete mud slab if required,".
5. Section 01150 "Measurement and Payment", page 01150-11, Item No. 27, paragraph B, line 7, immediately following the words "pile caps" **ADD** the following words ", bollards, gravel parking restoration,".

DRAWINGS

1. Sheet C-1, immediately following Construction Note No. 31, **ADD** new Construction Note No. 32 as follows:
"32. All existing vegetation, planting beds, shrubs, hedges, etc. on private property disturbed, damaged, or removed for construction of this project shall be replaced in-kind to the satisfaction of the property owner, at no additional cost to the Owner."
2. Sheet C-3, **ADD** a note to the drawing that reads as follows:
"NOTE: Contractor is hereby notified that numerous small to large trees exist within the easement that will require removing. A Bid Item has been included in the Contract

Documents for this purpose.”

3. Sheet C-4, in the plan view, **DELETE** the call-out note “Relocate shed to a location on this parcel as directed” and **INSERT**, therefore, the new note “Realignment of the water main in this area will be allowed, as approved, so as to avoid relocating the existing shed”.
4. Sheet C-4, immediately following Note No. 13, **ADD** the following new notes:
“14. Contractor is hereby notified that numerous small to large trees exist within the easement that will require removing. A Bid Item has been included in the Contract Documents for this purpose.
5. Sheet C-6, immediately following Note No. 6, **ADD** the following new notes:
“7. Contractor to remove and reset existing split rail fence on property of #69 Daniel Ave. No separate payment shall be made for this work.”
“8. Contractor to restore all vegetation disturbed on property of #69 Daniel Ave. No separate payment shall be made for this work.”
“9. The portion of Daniel Ave. south of the culvert is a private road. All construction shall be limited to the easement on property of #69 Daniel Rd. in this area. Any private roadway disturbed as a result of the Contractor’s activities shall be repaired to the satisfaction of the Owner. No separate payment shall be made for this work.”
“10. Furnish and install 3” concrete mud slab below the pipe bedding, if required, from Sta. 32+10 to Sta. 33+32, and from Sta. 34+13 to Sta. 37+50.”
6. Sheet C-8, **DELETE** in its entirety and **INSERT**, therefore, the new Sheet C-8 included as Attachment D to this Addendum.
7. Sheet C-18, **ADD** the “Bollard Detail” that is included as Attachment E to this addendum.

QUESTIONS AND ANSWERS

Questions from the Contractors received during the pre-bid meeting held on July 13, 2018 and additional comments by the Engineer, and additional questions received:

1. *Q: Where can the existing riprap on Tuttle Point Rd. (Sheet C-8) be stored until reinstalled?*

A: The riprap can be temporarily stored on a vacant parcel adjacent to the Public Works site at #47 Driveway, or the Town’s waste transfer station at 1900 Boston Post Rd.
2. *Q: Can the Contractor store his purchased materials at the Town’s yard.*

A: Yes - at #47 Driveway
3. *Q: Does the Contractor off-load the materials if provided by the Owner?*

A: Yes – at the Town yard #47 Driveway (See specification Section 01150 ‘Measurement and Payment’, page 01150-5, paragraph B.1).
4. *Q: Can the Town take the spoils?*

A: Yes - The spoils can be brought to the Town’s waste transfer station at 1900 Boston Post Rd.

5. *Q: Are there any environmental concerns – turtles, etc.?*
A: Yes – Refer to Sheet C-1, Environmental Considerations notes for requirements and restrictions.
6. *Q: Does the Contractor need to pave daily or only on Friday?*
A: See Sheet C-1, Construction Note No. 21.
7. *Q: Will steel plates be allowed?*
A: See Sheet C-1, Construction Note No. 21.
8. *Q: Are the work hours in the Specifications?*
A: Yes – Refer to Section 00800, page 00800-6, paragraph SC 7.02.
9. *Q: Will police be required for traffic?*
A: No – Flagmen will be allowed. There is an Item in the Bid for this.
10. *Q: What permits are outstanding?*
A: Army Corps of Engineers (General Permit), and CT DEEP (Structures, Dredging, and Fill). Contract will not be awarded until all permits have been acquired.
11. *Q: Will the CT Water Co.'s price for materials be revealed?*
A: No – The CT Water Co.'s material procurement process precludes this. The award of the Contract is based on the Base Bid.
12. Engineer Comment: Pre-Bid Conference agenda Item No. 3, 5th bullet, **DELETE** the number “173” and **INSERT**, therefore, the new number “175”.

ATTACHMENTS

1. Copy of the agenda from the pre-bid conference is being provided as Attachment A to this addendum.
2. Revised specification Section SC-32 “State Prevailing Wage Rates” is provided as Attachment B to this addendum.
3. Revised specification Section SC-34 “Federal Prevailing Wage Rates” is provided as Attachment C to this addendum.
4. Revised plan Sheet C-8 is provided as Attachment D to this addendum.
5. Bollard detail drawing is provided as Attachment E to this addendum.

END OF ADDENDUM No.2

Attachments to Addendum No.1 follow:

Attachment A: Pre-Bid Agenda

Attachment B: Section SC-32 “State Prevailing Wage Rates”

Attachment C: Section SC-34 “Federal Prevailing Wage Rates”

Attachment D: Plan Sheet C-8

Attachment E: Bollard Detail Drawing

Attachment A Pre-Bid Agenda

**TOWN OF GUILFORD, CT
WATER MAIN EXTENSION FOR MULBERRY POINT,
TUTTLES POINT, AND LONG COVE**

Pre-Bid Conference Agenda
July 13, 2018 10:00 A.M.

Identifications

Owner: Town of Guilford, CT
31 Park Street
Guilford, Connecticut 06437
Tel: 203.453.8061

Contacts:

Dennis Johnson – Director of Health
Tel: 203.453.8118
Email: djohnson@ci.guilford.ct.us

Engineer: Wright-Pierce
169 Main Street 2nd Floor
700 Plaza Middlesex
Middletown, Connecticut 06457
Tel: 860.343.8297
Fax: 860.343.9504

Contacts:

Mariusz Jedrychowski, P.E. – Senior Project Manager
Tel: 860.852.1930
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Rick Cruanes – Project Engineer
Tel: 860.852.1915
Email: rick.cruanes@wright-pierce.com

Agenda Items

1. Introduction.
2. Objectives:
 - a. The purpose of the Pre-Bid Conference is to answer questions from potential bidders relating to the Contract Documents.
 - b. It is extremely important to note that bids must be based solely on information contained in the Contract Documents, including any addenda. Nothing stated in this meeting modifies the Contract Documents unless it is followed up in the context of an Addendum to the Contract Documents.
3. General review of project scope.

- Installation of water main and appurtenances, and surface restoration;
 - Installation of an elevated water main on helical piles;
 - Installation of water main in the vicinity or within an existing corduroy (log) base road;
 - Work within wetlands and the upland review area – in particular, an intermittent stream crossing shown on Sheet C-4;
 - Installation of 173 water services up to and including the curb stop at the property line;
 - Work within easements.
4. There has been no addendum issued to date. An addendum will be issued following this meeting and will include the minutes of the pre-bid meeting, and responses to all RFI's to date. Bidder is responsible to make sure he receives all addendums issued. The deadline to receive questions is Thursday, July 19, 2018, at 4:00 PM local time.
5. Bids must include:
- a. Completed Bid Form (Section 00310) in its Entirety.
 - b. Required Bid Security.
 - c. Certification of Authority to Sign (Section 00302).
 - d. Bidder's Qualification Statement (Section 00405) with supporting data.
 - e. Completed Compliance Statement (Section 00406).
 - f. Non-Collusion Affidavit of Prime Bidder (Section 00408).
 - g. Signed Understanding Statement of MBE/WBE Participation (Section 00800, SC-20).
 - h. Bidders Department of Administrative Services Current Prequalification Certificate.
 - i. Bidder's Department of Administrative Services Current Update (Bid) Statement.
 - j. A tabulation of subcontractors, suppliers and other persons and organizations required to be identified in this Bid.
 - k. CT Water Company's Contractor Qualification and Licensing Requirements Form (Appendix G)
 - l. CHRO Bidder Contract Compliance Monitoring Report (Section 00412).
6. Sealed bids for the Water Main Extension for Mulberry Point, Tuttle Point, and Long Cove Project will be received by the Issuing Office, the Town of Guilford, Office of the First Selectman, Town Hall, Second Floor, 31 Park Street, Guilford, CT until 2:00 PM (local time) on July 26, 2018 at which place and time said bids will be opened publicly and read aloud.
7. The contract, if awarded, will be awarded to the bidder whose Bid is in the best interest of the Owner. Performance and Payment Bonds and Insurance Certificates must then be submitted for approval by the Owner before the Notice to Proceed is issued.

8. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within 15 days after the Notice of Award, the Owner may annul the Notice of Award and the bid security of that bidder will be forfeited.
9. Prospective bidders should familiarize themselves with coordination requirements pertaining to the organizations listed below. Refer to Section 01050.
 - a. The Connecticut Water Company
 - b. Town of Guilford Public Works Department
 - c. Eversource - Electric
 - d. Eversource - Gas
 - e. Call Before You Dig
 - f. and others.
10. The Contractor is responsible for obtaining laydown areas.
11. There will be a full-time Resident Project Representative on-site during construction.
12. The Owner will employ an Independent Material Testing Company. Refer to Section 01400.
13. There will be 390 days for Substantial Completion and 450 days for Final Completion.
14. In the preparation of Drawings and Specifications, Engineer relied upon the following drawings and field information:
 - a. Plans provided by the Town of Guilford.
 - b. Survey provided by Martinez Couch and Associates.
 - c. Survey provided by Criscuolo Engineering, LLC.
 - d. Supplemental limited field edit observations and measurements.
15. Bids will only be accepted from those who are on record as having bought a complete set of Bidding Documents through the Wright-Pierce online plan room.
16. A copy of the latest list of Plan and Specification holders is available at the online plan room.
17. Refer to the General Notes on the plan sheets for requirements that may not be indicated in the specifications.
18. The Contractor is responsible for verifying all dimensions required for the layout of the new work.
19. State and Federal wage rates apply to this project.

20. Partial list of additional project requirements:
 - a. This is a CT DPH funded project. There is required record keeping by both the Owner and the Contractor (AIS requirements, wage certification, MBE/WBE requirements, etc.). The Contractor will be required to respond without delay to any requests by the Owner regarding these matters.
 - b. The new water system will be managed by the CT Water Co. (CWC). The Contractor will be required to strictly adhere to CWC's requirements regarding materials installed. The CWC requirements are included as an appendix to the Specifications.
 - c. It is the Bidder's responsibility to verify with the CWC whether they are on CWC's list of prequalified contractors. Any Bidder not on the list must submit with his/her Bid a CWC prequalification package - forms are provided in an appendix of the Specifications. Any Bidder not on the CWC current list, or has not submitted a prequalification package with his/her Bid, may be deemed an unqualified Bidder.
 - d. The Contractor shall adhere to the CT Water Co. requirements regarding CAD survey project digital as-builts (requirements included as an appendix to the Specifications).
 - e. Proposed water service locations have not been shown on the plans. Locations to be determined during construction by the Owner and the CT Water Co. Existing well and septic location sketches will be made available to the Contractor during construction.
 - f. Bidders are directed to the Environmental Considerations Notes on Sheet C-1 as information contained in these notes impact construction schedules.
 - g. Bidders are directed to Section 00800 Supplementary Conditions paragraph SC-7.08 'Permits' of the Specifications. The Owner is in a process of obtaining the listed permits/approvals/applications for the project. The award of the project is contingent upon the Owner obtaining all required Local, State and Federal permits for the project. Copies of the permits will be on file at the Owner's Offices. It is the responsibility of the Contractor to be familiar with the applicable provisions of each permit as they apply to the work.
 - h. The Bid Form contains a Bid Add Alternate item. This item includes the providing of all ductile iron pipe, fittings, mega-lugs, gate valves and boxes. Award of contract will be based on the total Base Bid – in other words, excluding the Bid Add Alternate item.
21. Questions.
22. Site visit - optional

Attachment B
Section SC-32
State Prevailing Wage Rates

[DOL Web Site](#) • [Wage and Workplace Issues](#) • [Wage Rates](#) • [Heavy/Highway Rates - Guilford](#)

Heavy/Highway Rates - Guilford (effective July 1, 2018)

Classification	Hourly Rate	Benefits
01) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters. **See Laborers Group 5 and 7**		
1) Boilermaker	\$33.79	34% + 8.96
1a) Bricklayer, Cement Masons, Cement Finishers, Plasterers, Stone Masons	\$33.48	31.66
2) Carpenters, Piledrivermen	\$32.60	25.34
2a) Diver Tenders	\$32.60	25.34
3) Divers	\$41.06	25.34
03a) Millwrights	\$33.14	25.74
4) Painters: (Bridge Construction) Brush, Roller, Blasting (Sand, Water, etc.), Spray	\$49.75	21.05
4a) Painters: Brush and Roller	\$33.62	21.05
4b) Painters: Spray Only	\$36.62	21.05
4c) Painters: Steel Only	\$35.62	21.05
4d) Painters: Blast and Spray	\$36.62	21.05
4e) Painters: Tanks, Tower and Swing	\$35.62	21.05
5) Electrician (Trade License required: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9)	\$37.50	27.91+3% of gross wage
6) Ironworkers: Ornamental, Reinforcing, Structural, and Precast Concrete Erection	\$35.47	35.14 + a
7) Plumbers (Trade License required: (P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2) and Pipefitters (Including HVAC Work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4 G-1, G-2, G-8, G-9)	\$42.62	31.21
----LABORERS----		
8) Group 1: Laborer (Unskilled), Common or General, acetylene burner, concrete specialist	\$30.05	20.10
9) Group 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators, powdermen	\$30.30	20.10
10) Group 3: Pipelayers	\$30.55	20.10
11) Group 4: Jackhammer/Pavement breaker (handheld); mason tenders (cement/concrete), catch basin builders, asphalt rakers, air track operators, block paver, curb setter and forklift operators	\$30.55	20.10
12) Group 5: Toxic waste removal (non-mechanical systems)	\$32.05	20.10
13) Group 6: Blasters	\$31.80	20.10
	\$31.05	20.10

Group 7: Asbestos/lead removal, non-mechanical systems (does not include leaded joint pipe)

Group 8: Traffic control signalmen	\$16.00	20.10
Group 9: Hydraulic Drills	\$29.30	18.90
----LABORERS (TUNNEL CONSTRUCTION, FREE AIR). Shield Drive and Liner Plate Tunnels in Free Air.----		
13a) Miners, Motormen, Mucking Machine Operators, Nozzle Men, Grout Men, Shaft & Tunnel Steel & Rodmen, Shield & Erector, Arm Operator, Cable Tenders	\$32.22	20.10 + a
13b) Brakemen, Trackmen	\$31.28	20.10 + a
----CLEANING, CONCRETE AND CAULKING TUNNEL----		
14) Concrete Workers, Form Movers, and Strippers	\$31.28	20.10 + a
15) Form Erectors	\$31.60	20.10 + a
----ROCK SHAFT LINING, CONCRETE, LINING OF SAME AND TUNNEL IN FREE AIR:----		
16) Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers	\$31.28	20.10 + a
17) Laborers Topside, Cage Tenders, Bellman	\$31.17	20.10 + a
18) Miners	\$32.22	20.10 + a
----TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED AIR: ----		
18a) Blaster	\$38.53	20.10 + a
19) Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders	\$38.34	20.10 + a
20) Change House Attendants, Powder Watchmen, Top on Iron Bolts	\$36.41	20.10 + a
21) Mucking Machine Operator	\$39.11	20.10 + a
----TRUCK DRIVERS----(*see note below)		
Two axle trucks	\$29.13	23.33 + a
Three axle trucks; two axle ready mix	\$29.23	23.33 + a
Three axle ready mix	\$29.28	23.33 + a
Four axle trucks, heavy duty trailer (up to 40 tons)	\$29.33	23.33 + a
Four axle ready-mix	\$29.38	23.33 + a
Heavy duty trailer (40 tons and over)	\$29.58	23.33 + a
Specialized earth moving equipment other than conventional type on-the road trucks and semi-trailer (including Euclids)	\$29.38	23.33 + a
----POWER EQUIPMENT OPERATORS----		
Group 1: Crane handling or erecting structural steel or stone, hoisting engineer (2 drums or over), front end loader (7 cubic yards or over), Work Boat 26 ft. & Over, Tunnel Boring Machines. (Trade License Required)	\$39.55	24.05 + a
Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	\$39.23	24.05 + a
Group 3: Excavator/Backhoe under 2 cubic yards; Cranes (under 100 ton rated capacity), Gradall; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation)	\$38.49	24.05 + a
Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skoooper)	\$38.10	24.05 + a
Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Spreader; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (ove	\$37.51	24.05 + a
Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller.	\$37.51	24.05 + a

Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	\$37.20	24.05 + a
Group 7: Asphalt Roller; Concrete Saws and Cutters (ride on types); Vermeer Concrete Cutter; Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and Under Mandrel).	\$36.86	24.05 + a
Group 8: Mechanic, Grease Truck Operator, Hydroblaster, Barrier Mover, Power Stone Spreader; Welder; Work Boat under 26 ft.; Transfer Machine.	\$36.46	24.05 + a
Group 9: Front End Loader (under 3 cubic yards), Skid Steer Loader regardless of attachments (Bobcat or Similar); Fork Lift, Power Chipper; Landscape Equipment (including hydroseeder).	\$36.03	24.05 + a
Group 10: Vibratory Hammer, Ice Machine, Diesel and Air Hammer, etc.	\$33.99	24.05 + a
Group 11: Conveyor, Earth Roller; Power Pavement Breaker (whiphammer), Robot Demolition Equipment.	\$33.99	24.05 + a
Group 12: Wellpoint Operator.	\$33.93	24.05 + a
Group 13: Compressor Battery Operator.	\$33.35	24.05 + a
Group 14: Elevator Operator; Tow Motor Operator (Solid Tire No Rough Terrain).	\$32.21	24.05 + a
Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	\$31.80	24.05 + a
Group 16: Maintenance Engineer/Oiler	\$31.15	24.05 + a
Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	\$35.46	24.05 + a
Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (minimum for any job requiring CDL license).	\$33.04	24.05 + a
**NOTE: SEE BELOW		
----LINE CONSTRUCTION----(Railroad Construction and Maintenance)----		
20) Lineman, Cable Splicer, Technician	\$48.19	6.5% + 22.00
21) Heavy Equipment Operator	\$42.26	6.5% + 19.88
22) Equipment Operator, Tractor Trailer Driver, Material Men	\$40.96	6.5% + 19.21
23) Driver Groundmen	\$26.50	6.5% + 9.00
23a) Truck Driver	\$40.96	6.5% + 17.76
----LINE CONSTRUCTION----		
24) Driver Groundmen	\$30.92	6.5% + 9.70
25) Groundmen	\$22.67	6.5% + 6.20
26) Heavy Equipment Operators	\$37.10	6.5% + 10.70
27) Linemen, Cable Splicers, Dynamite Men	\$41.22	6.5% + 12.20
28) Material Men, Tractor Trailer Drivers, Equipment Operators	\$35.04	6.5% + 10.45

Welders: Rate for craft to which welding is incidental.

*Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.

**Note: Hazardous waste premium \$3.00 per hour over classified rate.

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$4.00 premium in addition to the hourly wage rate and benefit contributions:

- 1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)
- 2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson
- 3) Cranes (under 100 ton rated capacity)

- Crane with boom including jib, 150 feet - \$1.50 extra.
- Crane with boom including jib, 200 feet - \$2.50 extra.
- Crane with boom including jib, 250 feet - \$5.00 extra.
- Crane with boom including jib, 300 feet - \$7.00 extra.
- Crane with boom including jib, 400 feet - \$10.00 extra.

~ ~ ~ All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of one apprentice in a specific trade.

~ ~ ~ Connecticut General Statute Section 31-55a: Annual Adjustments to wage rates by contractors doing state work ~ ~ ~

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ctdol.state.ct.us.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage.

All Persons who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~ ~ ~ Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

Attachment C
Section SC-34
Federal Prevailing Wage Rates

General Decision Number: CT180016 07/06/2018 CT16

Superseded General Decision Number: CT20170016

State: Connecticut

Construction Type: Heavy

County: New Haven County in Connecticut.

HEAVY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2018
1	01/12/2018
2	04/13/2018
3	05/18/2018
4	06/15/2018
5	06/22/2018
6	06/29/2018
7	07/06/2018

BRCT0001-011 01/02/2018

	Rates	Fringes
BRICKLAYER.....	\$ 33.48	31.66

BRCT0001-012 01/02/2018

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 33.48	31.66

CARP0326-011 05/07/2018

Beacon Falls, Bethany, Branford, Cheshire, East Haven, Guilford, Hamden, Madison, Meriden, Middlebury, Naugatuck, New

Haven, North Branford, North Haven, Orange (east of Orange Center Road and north of Route 1, and north of Route 1 and east of the Oyster River), Prospect, Southbury, Wallingford, Waterbury, West Haven, Wolcott, Woodbridge

	Rates	Fringes
CARPENTER		
CARPENTERS, PILEDRIVERS.....	\$ 32.60	25.34
DIVER TENDER.....	\$ 32.60	25.34
DIVER.....	\$ 41.06	25.34
MILLWRIGHTS.....	\$ 33.14	25.74

 CARP0326-020 05/07/2018

Ansonia, Derby, Milford, Orange (West of Orange Center Road and South of Route 1 and West of the Oyster River), Oxford, Seymour

	Rates	Fringes
CARPENTER		
CARPENTER, PILEDRIVER.....	\$ 32.60	25.34
DIVER TENDER.....	\$ 32.60	25.34
DIVER.....	\$ 41.06	25.34
MILLWRIGHT.....	\$ 33.14	25.74

 ELEC0090-004 06/01/2018

Entire County excluding Beacon Falls, Middlebury, Milford, Naugatuck, Oxford, Prospect, Seymour, Southbury, Waterbury and Wolcott Townships

	Rates	Fringes
ELECTRICIAN.....	\$ 37.50	3%+27.91

 ELEC0488-007 06/01/2018

Beacon Falls, Middlebury, Milford, Naugatuck, Oxford, Prospect, Seymour, Southbury, Waterbury and Wolcott Townships

	Rates	Fringes
ELECTRICIAN.....	\$ 38.82	3%+26.25

 ENGI0478-001 04/01/2018

	Rates	Fringes
Power equipment operators:		
GROUP 1.....	\$ 39.55	24.05
GROUP 2.....	\$ 39.23	24.05
GROUP 3.....	\$ 38.49	24.05
GROUP 4.....	\$ 38.10	24.05

GROUP 5.....	\$ 37.51	24.05
GROUP 6.....	\$ 37.20	24.05
GROUP 7.....	\$ 36.86	24.05
GROUP 8.....	\$ 36.46	24.05
GROUP 9.....	\$ 36.03	24.05
GROUP 10.....	\$ 33.99	24.05
GROUP 11.....	\$ 33.99	24.05
GROUP 12.....	\$ 33.93	24.05
GROUP 13.....	\$ 35.46	24.05
GROUP 14.....	\$ 33.35	24.05
GROUP 15.....	\$ 33.04	24.05
GROUP 16.....	\$ 32.21	24.05
GROUP 17.....	\$ 31.80	24.05
GROUP 18.....	\$ 31.15	24.05

Hazardous waste premium \$3.00 per hour over classified rate.

- Crane with boom, including jib, 150 feet - \$1.50 extra.
- Crane with boom, including jib, 200 feet - \$2.50 extra.
- Crane with boom, including jib, 250 feet - \$5.00 extra.
- Crane with boom, including jib, 300 feet - \$7.00 extra.
- Crane with boom, including jib, 400 feet - \$10.00 extra

All Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$4.00 premium in addition to the hourly wage rate and benefit contributions:

- 1) Crane handling or erecting structural steel or stone, hoisting engineer(2 drums or over)
- 2) Cranes(100 ton rated capacity and over) Bauer Drill/Caisson
- 3) Cranes(under 100 ton rated capacity)

a. PAID HOLIDAYS: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee works 3 days during the week in which the holiday falls, if scheduled, and if scheduled, the working day before and the working day after the holiday.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Crane handling or erecting structural steel or stone, hoisting engineer (2 drums or over), front end loader (7 cubic yards or over), work boat 26 ft. and over.

GROUP 2: Cranes (100 ton capacity & over), Excavator over 2 cubic yards, piledriver (\$3.00 premium when operator controls hammer), Bauer Drill/Caisson

GROUP 3: Excavator, cranes (under 100 ton rated capacity), gradall, master mechanic, hoisting engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power or operation) Rubber Tire Excavator (drott 1085 or similar); Grader Operator; Bulldozer Fine Grade (slopes, shaping, laser or GPS, etc.)

GROUP 4: Trenching machines, lighter derrick, concrete

finishing machine, CMI machine or similar, Koehring Loader (skoooper).

GROUP 5: Specialty railroad equipment, asphalt spreader, asphalt reclaiming machine, line grider, concrete pumps, drills with self contained power units, boring machine, post hole digger, auger, pounder, well digger, milling machine (over 24' mandrel), side boom, combination hoe and loader, directional driller

GROUP 6: Front end loader (3 cu. yds. up to 7 cu. yards), bulldozer (Rough grade dozer) .

GROUP 7: Asphalt roller, concrete saws and cutters (ride on types), Vermeer concrete cutter, stump grinder, scraper, snooper, skidder, milling machine (24" and under Mandrel).

GROUP 8: Mechanic, grease truck operator, hydoblaster, barrier mover, power stone spreader, welder, work boat under 26 ft. transfer machine.

GROUP 9: Front end loader (under 3 cubic yards), skid steer loader (regardless of attachments), bobcat or similar, forklift, power chipper, landscape equipment (including hydroseeder).

GROUP 10: Vibratory hammer, ice machine, diesel & air, hammer, etc.

GROUP 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.

GROUP 12: Wellpoint operator.

GROUP 13: Portable asphalt plant operator, portable concrete plant operator, portable crusher plant operator.

GROUP 14: Compressor battery operator.

GROUP 15: Power Safety boat, Vacuum truck, Zim mixer, Sweeper; (Minimum for any job requiring a CDL license) .

GROUP 16: Elevator operator, tow motor operator (solid tire no rough terrain).

GROUP 17: Generator operator, compressor operator, pump operator, welding machine operator; Heater operator.

GROUP 18: Maintenance engineer.

ENGI0478-011 04/01/2018

	Rates	Fringes
POWER EQUIPMENT OPERATOR:		
Asphalt Paver.....	\$ 37.51	24.05
Asphalt Roller.....	\$ 36.86	24.05

Asphalt Spreader.....	\$ 37.51	24.05
Backhoe/Excavator 2 cubic yards and over.....	\$ 39.23	24.05
Backhoe/Excavator under 2 cubic yards.....	\$ 38.49	24.05
Crane handling or erecting structural steel or stone...	\$ 39.55	24.05
Cranes (100 ton capacity & over).....	\$ 39.23	24.05
Cranes (under 100 ton rated capacity).....	\$ 38.49	24.05
Drills with self contained power units; Directional driller.....	\$ 37.51	24.05
Earth Roller.....	\$ 33.99	24.05
Forklift.....	\$ 36.03	24.05
Front End Loader (3 cubic yards up to 7 cubic yards)..	\$ 37.20	24.05
Front End Loader (7 cubic yards or over).....	\$ 39.55	24.05
Front End Loader (under 3 cubic yards).....	\$ 36.03	24.05
Grader/Blade.....	\$ 38.49	24.05
Maintenance Engineer/Oiler..	\$ 31.15	24.05
Mechanic.....	\$ 36.46	24.05
Rubber Tire Backhoe/Excavator.....	\$ 38.49	24.05

a. PAID HOLIDAYS: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee works 3 days during the week in which the holiday falls, if scheduled, and if scheduled, the working day before and the working day after the holiday.

- b. Crane with boom, including jib, 150 feet - \$1.50 extra .
- Crane with boom, including jib, 200 feet- \$2.50 extra.
- Crane with boom, including jib, 250 feet - \$5.00 extra.
- Crane with boom, including jib, 300 feet - \$7.00 extra.
- Crane with boom, including jib, 400 feet - \$10.00 extra.

All Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$4.00 premium in addition to the hourly wage rate and benefit contributions:

- 1) Crane handling or erecting structural steel or stone, hoisting engineer(2 drums or over)
- 2) Cranes(100 ton rated capacity and over) Bauer Drill/Caisson
- 3) Cranes(under 100 ton rated capacity)

 * IRON0015-005 06/30/2018

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 35.47	35.14

a. PAID HOLIDAY: Labor Day provided employee has been on the payroll for the 5 consecutive work days prior to Labor Day.

LAB00056-004 04/01/2018

	Rates	Fringes
Laborers: (TUNNEL CONSTRUCTION)		
CLEANING, CONCRETE AND CAULKING TUNNEL:		
Concrete Workers, Form Movers and Strippers.....	\$ 31.28	19.84
Form Erectors.....	\$ 31.60	19.84
ROCK SHAFT, CONCRETE, LINING OF SAME AND TUNNEL IN FREE AIR:		
Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers.....	\$ 31.28	19.84
Laborers Topside, Cage Tenders, Bellman.....	\$ 31.17	19.84
Miners.....	\$ 32.22	19.84
SHIELD DRIVE AND LINER PLATE TUNNELS IN FREE AIR:		
Brakemen and Trackmen.....	\$ 31.28	19.84
Miners, Motormen, Mucking Machine Operators, Nozzlelemen, Grout Men, Shaft and Tunnel, Steel and Rodmen, Shield and Erector, Arm Operator, Cable Tenders.....	\$ 32.22	19.84
TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED AIR:		
Blaster.....	\$ 38.53	19.84
Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders.....	\$ 38.34	19.84
Change House Attendants, Powder Watchmen, Top on Iron Bolts.....	\$ 36.41	19.84
Mucking Machine Operator...\$	39.11	19.84

a. PAID HOLIDAYS: On tunnel work only: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

No employee shall be eligible for holiday pay when he fails, without cause, to work the regular work day preceding the holiday or the regular work day following the holiday.

LAB00056-005 04/01/2018

	Rates	Fringes
LABORERS		
GROUP 1.....	\$ 30.05	19.84
GROUP 2.....	\$ 30.30	19.84
GROUP 3.....	\$ 30.55	19.84
GROUP 4.....	\$ 31.05	19.84
GROUP 5.....	\$ 31.80	19.84
GROUP 6.....	\$ 32.05	19.84
GROUP 7.....	\$ 16.00	19.84

LABORERS CLASSIFICATIONS

GROUP 1: Laborers (Unskilled), acetylene burner, concrete specialist

GROUP 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators and powdermen.

GROUP 3: Pipelayers, Jackhammer/Pavement breaker (handheld), mason tenders/catch basin builders, asphalt rakers, air track operators, block paver and curb setter

GROUP 4: Asbestos/lead removal

GROUP 5: Blasters

GROUP 6: Toxic waste remover

GROUP 7: Traffic control signalman

 * PAIN0011-013 06/01/2018

	Rates	Fringes
PAINTER		
Brush and Roller.....	\$ 33.62	21.05
Spray Only.....	\$ 36.62	21.05
Steel Only.....	\$ 35.62	21.05

 TEAM0064-001 04/01/2018

	Rates	Fringes
Truck drivers:		
2 Axle Ready Mix.....	\$ 29.23	23.33
2 Axle.....	\$ 29.13	23.33
3 Axle Ready Mix.....	\$ 29.28	23.33
3 Axle.....	\$ 29.23	23.33
4 Axle Ready Mix.....	\$ 29.38	23.33
4 Axle.....	\$ 29.33	23.33
Heavy Duty Trailer 40 tons and over.....	\$ 29.58	23.33
Heavy Duty Trailer up to 40 tons.....	\$ 29.33	23.33
Specialized (Earth moving		

equipment other than conventional type on-the-road trucks and semi-trailers, including Euclids).....\$ 29.38 23.33

Hazardous waste removal work receives additional \$1.25 per hour.

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and Good Friday, provided the employee has at least 31 calendar days of service and works the last scheduled day before and the first scheduled day after the holiday, unless excused.

TEAM0064-006 04/01/2018

	Rates	Fringes
TRUCK DRIVER: 4 Axle Truck.....	\$ 29.33	23.33

Hazardous waste removal work receives additional \$1.25 per hour.

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and Good Friday, provided the employee has at least 31 calendar days of service and works the last scheduled day before and the first scheduled day after the holiday, unless excused.

SUCT2002-011 12/16/2008

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 24.85	13.83
OPERATOR: Bulldozer.....	\$ 25.33	9.64

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons

resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the

wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request

review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

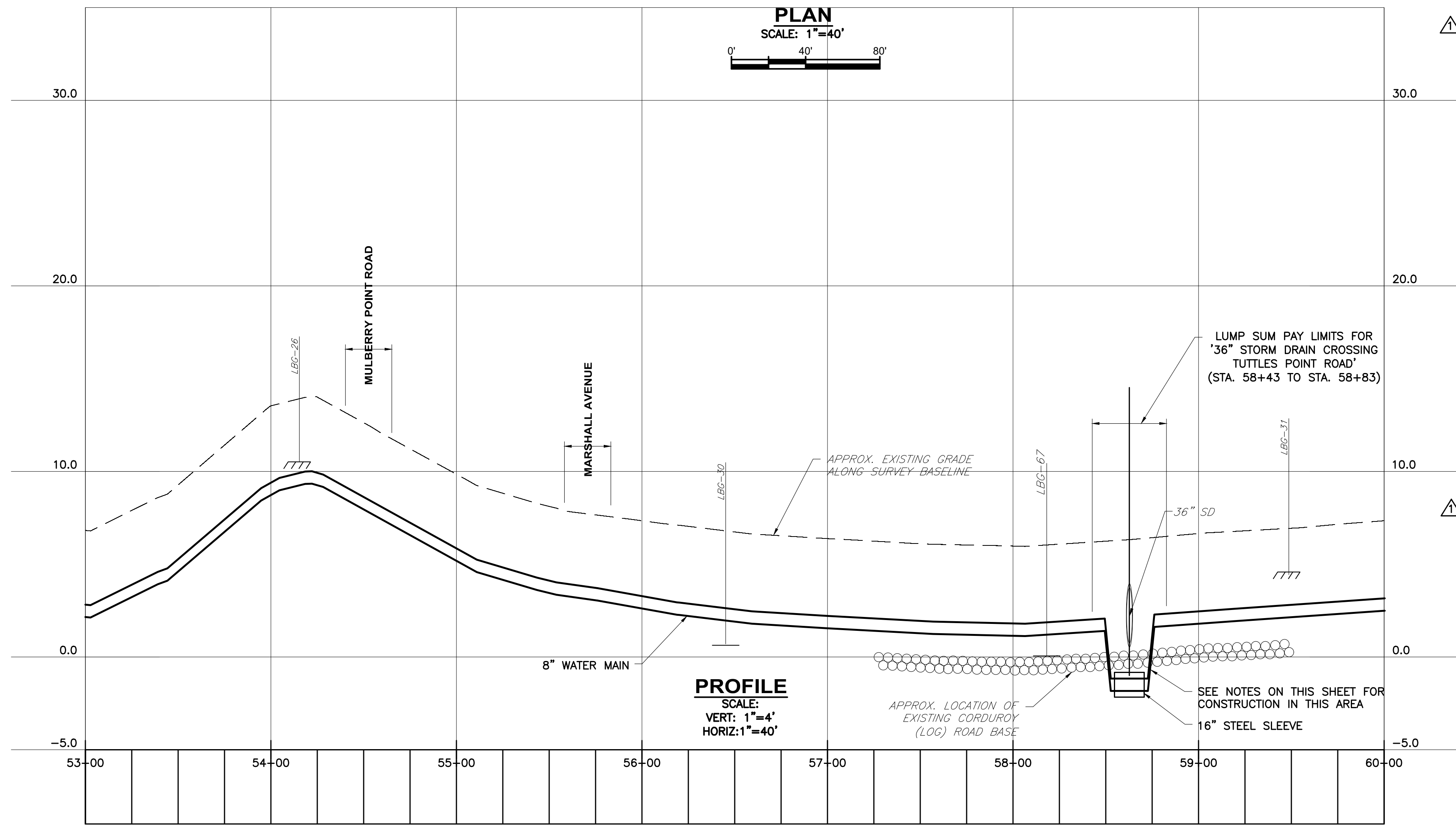
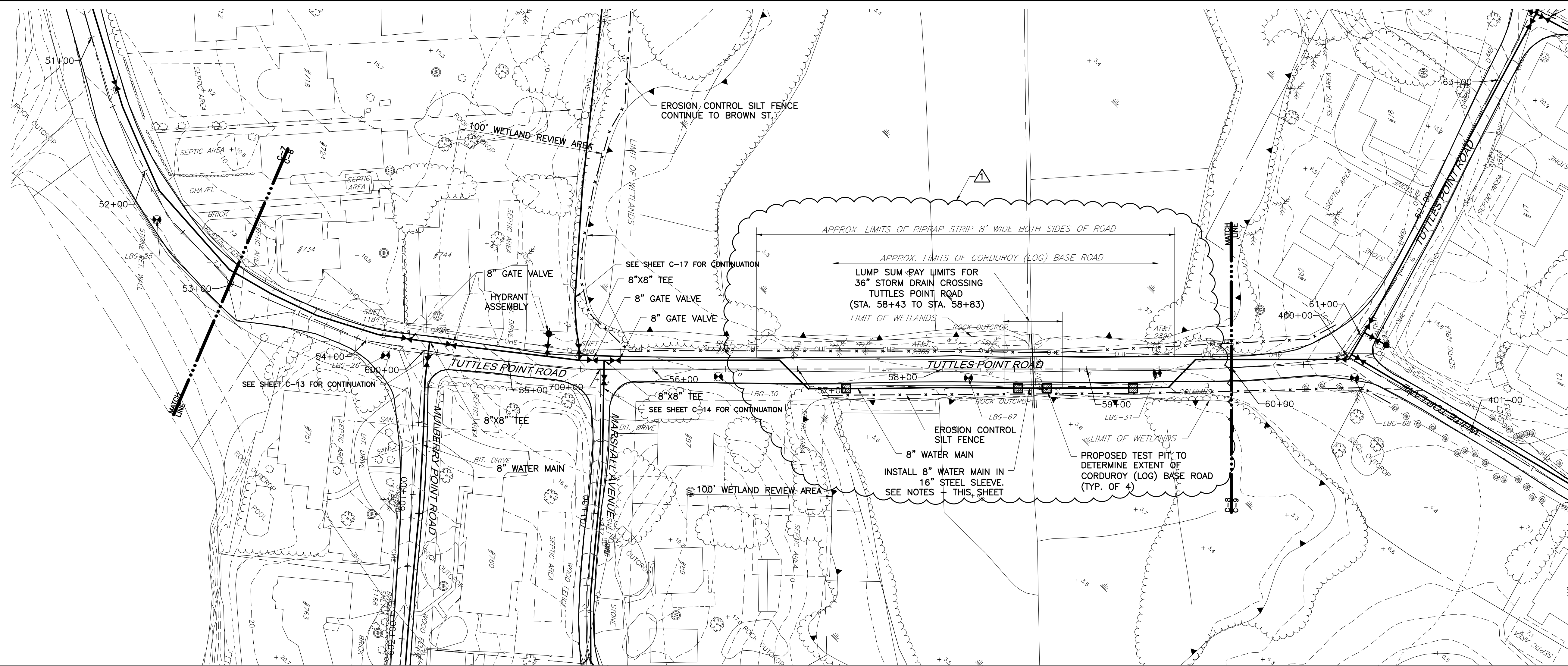
4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Attachment D

Plan Sheet C-8



- NOTES:**
- PRIOR TO CONSTRUCTION OF THE CULVERT CROSSING SUBMIT FOR REVIEW AND APPROVAL BY THE ENGINEER A COMPLETE SHOP DRAWING PACKAGE INCLUDING, BUT NOT LIMITED TO, MATERIALS, WORKING DRAWINGS, SCHEDULE, AND PROPOSED SEQUENCE OF CONSTRUCTION. SEE SPEC. SECTION 01340 'SUBMITTALS' FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL STRICTLY ADHERE TO ALL REQUIREMENTS OF THE REGULATORY AGENCIES HAVING JURISDICTION REGARDING WORK WITHIN THE VICINITY OF WETLANDS.
 - PRIOR TO ANY CONSTRUCTION OF THE CULVERT CROSSING THE CONTRACTOR SHALL COORDINATE A PRE-INSTALLATION MEETING BETWEEN THE CONTRACTOR, TOWN, ENGINEER, AND REGULATORY AGENCIES.
- SUGGESTED WORK SEQUENCE:**
- DOCUMENT EXACT CONFIGURATION/LOCATION/EXTENT OF EXISTING RIPRAP PRIOR TO ANY DISTURBANCE.
 - REMOVE AND STORE RIPRAP.
 - PERFORM TEST PITS AS DIRECTED TO DETERMINE EXTENT OF CORDUROY ROAD BASE.
 - CUT CORDUROY ROAD BASE TO ALLOW FOR WATER MAIN INSTALLATION WITH TRENCH SUPPORT.
 - PUSH 20' LONG 16" STEEL SLEEVE UNDER THE EXISTING 36" HDPE CULVERT. CENTER SLEEVE ON CULVERT. SLEEVE TO BE 0.375 INCH MIN. WALL THICKNESS PIPE AND CASING PIPE AS MANUFACTURED BY NORTHWEST PIPE COMPANY OR EQUAL.
 - INSTALL FULL LENGTH 8" WATER MAIN IN SLEEVE CENTERED ON CULVERT. 8" WATER MAIN TO BE SUPPORTED IN CENTER OF SLEEVE AND POLY WRAPPED.
 - ONCE THE WATER MAIN IS TESTED AND APPROVED, BACKFILL TO INVERT OF HDPE CULVERT WITH EXCAVATABLE FLOWABLE FILL TO ASSURE STABLE BEDDING.
 - FILL ANNULAR SPACE IN SLEEVE WITH FLOWABLE FILL.
 - BACKFILL WITH CRUSHED STONE WRAPPED IN GEOTEXTILE.
 - RESET RIPRAP TO PRE-CONSTRUCTION CONDITION TO THE SATISFACTION OF THE CONTROLLING AGENCIES.

DESIGNED BY: R/C	ISSUED FOR: BID	DATE: 6-18
CAD CORP.: D/S	ADDENDUM NO.: 2	DATE: 7-18
CHECKED BY: R/C		
DATE: 6-18		
APPROVED BY: MDJ		
DATE: 6-18		
PROJECT NO.: 13675		

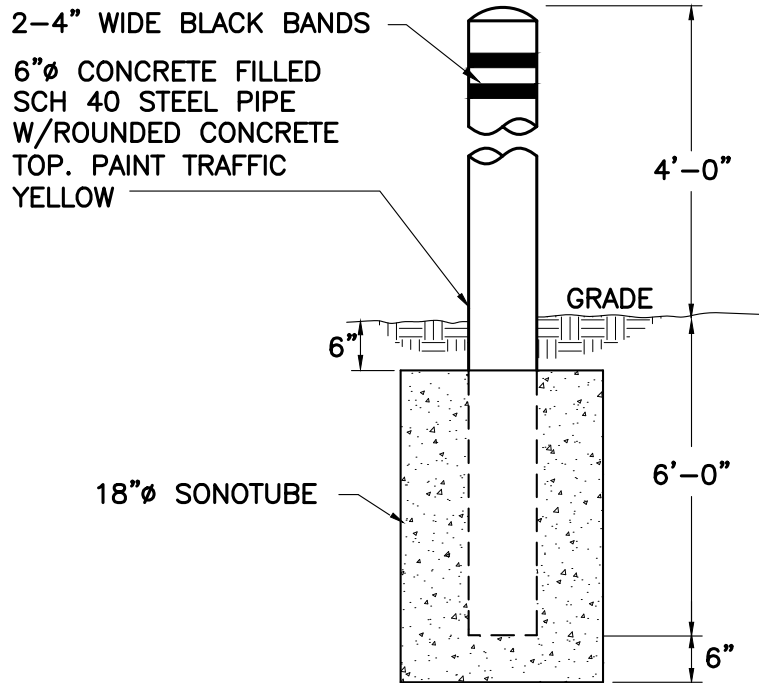
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TOWN OF GUILFORD, CONNECTICUT
WATER MAIN EXTENSION FOR
MULBERRY POINT, TUTTLES POINT,
AND LONG COVE
 PLAN AND PROFILE
 TUTTLES POINT ROAD STA 53+00 TO STA 60+00


DRAWING
 C-8

Attachment E

Sketch – Bollard Detail Drawing



BOLLARD
SCALE: NTS

GUILFORD, CONNECTICUT WATER MAIN EXTENSION		NO.	REVISIONS	APP'D
		1		MDJ
PROJ NO:	13675A	DATE:	JULY 2018	
WRIGHT-PIERCE  Engineering a Better Environment			BOLLARD DETAIL	FIGURE: 1