

CITY OF HOBOKEN

ADDENDUM TO BID DOCUMENTS

BID 26-04 – TOM OLIVIERI PARK IMPROVEMENTS

This Addendum # 1 dated September 16, 2026, is issued to modify the above-mentioned BID, and is hereby made part of the BID documents. Please attach this Addendum #1 to the original documents in your possession and ensure same is included in your proposal. The Bidder shall acknowledge receipt of this Addendum using the Acknowledgement of Receipt of Addenda form. This addendum includes:

1. QUESTIONS OR CLARIFICATIONS FROM BIDDERS

Q1: We were unfortunately unable to attend the pre-bid meeting for Bid no. 26-04: Tom Olivieri Park Improvements in Hoboken this morning. Could you please share with us any potential meeting minutes or notes from today's meeting?

A1: No, the City is unable to provide meeting minutes or notes for the pre-bid meeting as no questions were answered during the meeting and no minutes or notes exist.

Q2: I am unable to access bidset.com to download the bid documents for this project – do you have a link for the docs you can send me?

A2: The bid documents are available for download at the project specific URL www.bidset.com/tomolivieripark. Documents can be viewed for free and then downloaded, also free of charge, using the order link. For additional assistance with the website, please contact 1-877-424-3738.

Q3: Can you please provide the Plan Holders List? If this information is available online, please advise the website where I can obtain the list, further project details, Bid Tabulations, Contract Award and any future Bidding opportunities.

A3: No, the City is unable to provide the Plan Holder List prior to bid opening.

Q4: I am writing to request soft copies of the Pre-bid/Site tour Sign-in-sheet/Attendees list or Planholders List related to Tom Olivieri Park Improvements.

A4: See City responses to Questions 1 and 3.

Q5: I hope this email finds you well. Would you be able to email me a PDF version of the bid quantities listed for this subject project? The preview on the bidset website is very blurry on my end and we don't need the full bid packet.

A5: The bid documents must be downloaded using the www.bidset.com/tomolivieripark link to obtain the PDF. The download request is free of charge.

Q6: “We have reviewed the insurance requirements included in the Contract Documents and would like to request clarification regarding the required insurance limits. Per Section V, A. – Insurance Requirements, the specified limits are as follows:

- Employer’s Liability: \$1,000,000 minimum
- General Liability: \$3,000,000 per occurrence and \$5,000,000 aggregate
- Automobile Liability: \$1,000,000 Combined Single Limit
- Umbrella/Excess Liability: \$10,000,000 per occurrence and aggregate

These requirements are also addressed under Article 10 – Insurance and Bonds, including Sections 10.1.1 through 10.1.4. Please review the above insurance requirements and confirm whether the specified limits may be reduced to more customary limits for this type and size of project, particularly the General Liability and Umbrella/Excess Liability requirements. If reduced limits are acceptable, please provide the approved revised limits that bidders may use for purposes of obtaining insurance and preparing their bids. Please also confirm whether the revised limits, if approved, will apply to the Contractor and its subcontractors.”

A6: Yes, the insurance requirements for General Liability and Umbrella/Excess Liability shall be revised to the specified limits as follows. Specifically, the required General Liability limits shall be reduced from “\$3,000,000 per occurrence and \$5,000,000 aggregate” to “\$1,000,000 per occurrence and \$2,000,000 aggregate”, and the Umbrella/Excess Liability requirement shall be reduced from “\$10,000,000 per occurrence and aggregate” to “\$5,000,000 per occurrence and aggregate”. The specified limits for Employer’s Liability and Automobile Liability shall remain unchanged.

See below a summary of the amended Insurance Requirements to be used by bidders:

- Employer’s Liability: \$1,000,000
- General Liability: \$1,000,000 per occurrence / \$2,000,000 aggregate
- Automobile Liability: \$1,000,000 Combined Single Limit
- Umbrella/Excess Liability – \$5,000,000 per occurrence and aggregate

Q7: “The bid package includes a Preliminary Assessment Report in Appendix B. However, to obtain accurate soil disposal pricing, bidders must provide disposal facilities with complete analytical documentation identifying the soil’s characteristics and applicable disposal parameters. Please provide all available soil testing data, laboratory analytical results, environmental reports, waste classifications, and any other documentation associated with the material anticipated for excavation and disposal.

If complete analytical data is unavailable, the contract cannot be accurately bid as currently structured. Disposal facilities cannot provide firm pricing or confirm acceptance based solely on the Preliminary Assessment Report.

In accordance with fair bidding practices and N.J.S.A. 40A:11-23.1a regarding contaminated soil work in public contracts, the Schedule of Values and Proposal Pages should be revised to include either:

- A soil disposal allowance; or
- An established unit price for disposal based on clearly defined assumed analytical parameters and material classifications.

Absent complete analytical information, an allowance, or an established unit price, any disposal pricing submitted by bidders would be speculative and would not represent a fair or reasonable bid amount for this work.”

A7: The Site Investigation Report has been added to the bid documents as Appendix H and includes additional soil testing and chemical analytical data for the site.

The Bid Specifications already include allowances for soil disposal under the Schedule of Prices as follows:

- Item 80: Allowance for Loading, Hauling, and Disposal of Regulated Material - \$10,000.00
- Item 81: Allowance for Loading, Hauling, and Disposal of Hazardous Material - \$10,000.00

Accordingly, the Bid Specifications comply with N.J.S.A. 40A:11-23.1a and no revisions are made to the soil disposal items included in the Schedule of Prices.

2. REVISIONS TO BID DOCUMENTS

The following bid documents have been revised:

Bid Specifications:

- BID SCHEDULE OF PRICES
- 01 12 00 MEASUREMENT AND PAYMENT SPECIFICATION
- 13 34 00 PREFABRICATED RESTROOM STRUCTURES SPECIFICATION
 - APPENDIX H: SITE INVESTIGATION REPORT

Bid Drawings:

- G-002 LEGEND & QUANTITIES
- L-001 EXISTING CONDITIONS, TREE PROTECTION, & SITE CLEARING PLAN
- C-004 SOIL EROSION & SEDIMENT CONTROL DETAILS

- P-200 PLUMBING PLAN
- P-300 PLUMBING DETAILS
- P-301 PLUMBING DETAILS

PLEASE USE THE REVISED DOCUMENTS MENTIONED ABOVE. THESE DOCUMENTS MUST BE PART OF YOUR ORIGINAL DOCUMENTS AND INCLUDED IN YOUR PROPOSAL.

This addendum is posted on the City of Hoboken website and may be obtained electronically at no cost by submitting an online request at www.bidset.com/tomolivieripark. Hard copies of the Contract Documents may be obtained by any prospective bidder for a fee of \$165 per each set of full-sized drawings and specifications by submitting an online request at www.bidset.com/tomolivieripark or by calling 1-877-424-3738. Shipping charges are additional and variable depending upon the pickup or delivery option selected by the purchaser.

The City will not accept any further questions at this time.

There are no other changes to the bid documents as part of this addendum.

CITY OF HOBOKEN

ACKNOWLEDGMENT OF RECEIPT OF ADDENDA

BID 26-04 – TOM OLIVIERI PARK IMPROVEMENTS

The undersigned Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Date	Acknowledge Receipt (Initial)
Addendum # 1	September 16, 2026	_____
_____	_____	_____
_____	_____	_____

No addenda were received:

Acknowledged for: _____
(Name of Bidder)

By: _____ Date: _____
(Signature of Authorized Representative)

Name: _____ Title/Position: _____
(Print or Type)

20. SCHEDULE OF PRICES

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Bid No. 26-04

Project Name: Tom Olivieri Park Improvements, Hoboken, NJ

Bidder: _____

PAY ITEM #	ITEM NAME	UNIT	QTY	UNIT PRICE	COST
1	SITE DEMOLITION AND CLEARING	LS	1		
2	CLEAR AND GRUB	LS	1		
3	RODENT AND PEST CONTROL	LS	1		
4	TEMPORARY TREE PROTECTION	EA	11		
5	TREE PRUNING	EA	11		
6	TREE REMOVAL, OVER 12" DIA.	EA	1		
7	SAWCUT PAVEMENT	LF	257		
8	CONSTRUCTION FENCING	LF	85		
9	ALLOWANCE FOR POLICE TRAFFIC CONTROL	AL	1	\$ 7,500.00	\$ 7,500.00
10	SILT FENCE	LF	85		
11	INLET FILTER	EA	4		
12	CONSTRUCTION DRIVEWAY	SF	300		
13	PROTECTIVE PLYWOOD FOR TREE ROOTS AND PAVEMENT	SF	600		
14	GREEN ACRES CONSTRUCTION SIGN	EA	1		
15	EXCAVATION, UNCLASSIFIED	CY	150		
16	EXCAVATION, HAND/PNEUMATIC	CY	250		
17	DEMARICATION LAYER	SY	650		
18	TINTED CONCRETE SIDEWALK, 4" THK.	SY	23		
19	CONCRETE SIDEWALK, REINFORCED, 4" THICK	SY	65		
20	HOT MIX ASPHALT, 12.5M64 SURFACE COURSE	TON	1		
21	HOT MIX ASPHALT, 19M64 SURFACE COURSE	TON	2		
22	FUEL PRICE ADJUSMENT	AL	1	\$ 400.00	\$ 400.00
23	ASPHALT PRICE ADJUSTMENT	AL	1	\$ 800.00	\$ 800.00
24	DENSE-GRADED AGGREGATE BASE COURSE FOR TRENCH AND PAVEMENT REPAIR	CY	1		
25	THERMOPLASTIC STRIPING, 4"	LF	54		
26	THERMOPLASTIC SYMBOL	EA	1		
27	REGULATORY AND WARNING SIGN	SF	7		
28	BREAKAWAY SIGN POST	EA	1		
29	TINTED CONCRETE CURB	LF	277		
30	9" X 18" CONCRETE VERTICAL CURB	LF	5		
31	ENGRAVED GRANITE PAVER BAND	SF	212		
32	DECOMPOSED GRANITE	SF	176		
33	PLAYGROUND EQUIPMENT	LS	1		
34	PLAYGROUND SAFETY SURFACE, 8' FALL HEIGHT	SF	2030		
35	SPLASH PAD EQUIPMENT	LS	1		
36	PARK STOOL	EA	19		
37	PARK BENCH	EA	3		
38	ACCENT CHAIR	EA	3		
39	CONCRETE SEAT WALL	LF	34		
40	ALUMINUM 'WOOD' TOP FOR CONCRETE SEAT WALL	EA	2		
41	TRASH AND RECYCLING RECEPTACLE	EA	2		
42	PLANT BED RAILING	LF	257		
43	DECORATIVE FENCE, 8' HEIGHT	LF	60		
44	DOUBLE GATE FOR DECORATIVE FENCE, 8' HEIGHT	EA	1		

PAY ITEM #	ITEM NAME	UNIT	QTY	UNIT PRICE	COST
45	DECORATIVE FENCE, 3' HEIGHT	LF	35		
46	SINGLE GATE FOR DECORATIVE FENCE, 3' HEIGHT	EA	1		
47	LOCATION SIGN ON FENCE	EA	4		
48	SHADE/STREET TREE, 3"-3.5" CAL., B&B	EA	2		
49	ORNAMENTAL TREE	EA	2		
50	SHRUBS	EA	30		
51	PERENNIALS	EA	373		
52	GRASSES & FERNS	EA	255		
53	WOOD MULCHING, 2" THK.	SY	152		
54	IMPORTED TOPSOIL	CY	90		
55	IRRIGATION SYSTEM, COMPLETE	LS	1		
56	PREFABRICATED RESTROOM STRUCTURE	LS	1		
57	PEDESTRIAN LIGHT AND FOOTING	EA	3		
58	LANDSCAPE ACCENT LIGHTING	EA	4		
59	2'x2' INLET WITH HOOD	EA	2		
60	12" YARD INLET	EA	1		
61	2'x4' INLET	EA	1		
62	3" POLYVINYL CHLORIDE PIPE	LF	2		
63	6" POLYVINYL CHLORIDE PIPE	LF	226		
64	8" POLYVINYL CHLORIDE PIPE	LF	8		
65	30" POLYVINYL CHLORIDE PIPE	LF	36		
66	6" SLOT DRAIN	LF	50		
67	CLEANOUTS	EA	8		
68	CONCRETE ENCASEMENT	LF	60		
69	4" DUCTILE IRON SEWER PIPE	LF	42		
70	4" SEWER PIPE FITTINGS	EA	14		
71	1-1/2" & 1/2" DOMESTIC WATER	LF	364		
72	DOMESTIC WATER FITTINGS	EA	45		
73	DRAINS	EA	4		
74	PRESSURE REDUCING VALVE	EA	1		
75	HEADER	EA	1		
76	WATER TIE-IN	EA	1		
77	ELECTRICAL WORK, COMPLETE	LS	1		
78	8" INLINE CHECK VALVE	EA	2		
79	8" TO 6" REDUCER	EA	1		
80	ALLOWANCE FOR LOADING, HAULING, AND DISPOSAL OF REGULATED MATERIAL	AL	1	\$ 10,000.00	\$ 10,000.00
81	ALLOWANCE FOR LOADING, HAULING, AND DISPOSAL OF HAZARDOUS MATERIAL	AL	1	\$ 10,000.00	\$ 10,000.00
82	ALLOWANCE FOR SECURITY IMPROVEMENTS SITE WORK	AL	1	\$ 75,000.00	\$ 75,000.00
83	CONTINGENCY FOR UNFORESEEN CONDITIONS	AL	1	\$ 75,000.00	\$ 75,000.00

SECTION 01 12 00 MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Explanation and Definitions
- B. Measurement
- C. Payment
- D. Schedule of Values

1.3 EXPLANATION AND DEFINITIONS

- A. The following explanation of the Measurement and Payment for the Bid Schedule items is made for information and guidance. The omission of reference to any item in this description shall not, however, alter the intent of the Bid Schedule or relieve the Contractor of the necessity of furnishing such, as a part of the Contract.
- B. Measurement and payment for all Contract Items shall be made in accordance with this section or as modified by the Contract Documents.

1.4 MEASUREMENT

- A. The quantities set forth in the Bid Schedule are approximate and are given to establish a uniform basis for the comparison of bids. The Owner reserves the right to increase or decrease the quantity of any class or portion of the work during the progress of construction in accord with the terms of the Contract.
- B. The Bid Schedule shall include all work identified in the contract documents whether or not a bid item is utilized to describe the work. All work not specifically identified in the bid items shall be considered to be a part of a unit of work covered in a bid item.

1.5 PAYMENT

- A. Make payment for the items listed on the Bid Schedule on the basis of the work actually performed and completed, such work including but not limited to, the furnishing of all necessary labor, materials, equipment, transportation, clean up, restoration of disturbed areas, and all other appurtenances to complete the construction and installation of the work as shown on the drawings and described in the specifications.

- B. Unit prices are used as a means of computing the final figures for bid and Contract purposes, for periodic payments for work performed, for determining value of additions or deletions and wherever else reasonable.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

3.1 MEASUREMENT AND PAYMENT

- A. Make payment on the basis of work actually performed completing each item in the Bid, such work including, but not limited to, the furnishing of all necessary labor, materials, equipment, transportation, cleanup, and all other appurtenances to complete the construction and installation of the work to the configuration and extent as shown on the drawings and described in the specifications. Payment for each item includes compensation for cleanup and restorations. Cost of cleanup and surface restorations (including pavement replacement) will be considered as the percentage retained in accordance with the Contract Documents, and complete payment will not be made until cleanup, restorations and as-builts are completed.
- B. Payment for each item includes compensation for manuals, as-builts, warranties, and related items.
- C. The chart below gives additional information and/or descriptions of each bid item and how payment will be made to the Contractor for each item. The bid items are listed in the ‘Schedule of Prices’ in the specifications and required to be completed with submission of a bid.

PAY ITEM #	ITEM NAME AND DESCRIPTION	UNIT
1	SITE DEMOLITION AND CLEARING	LS
	Payment shall be made at the contract price based on the percentage of work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
2	CLEAR AND GRUB	LS
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
3	RODENT AND PEST CONTROL	LS
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
4	TEMPORARY TREE PROTECTION	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
5	TREE PRUNING	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
6	TREE REMOVAL, OVER 12" DIA.	EA

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
7	SAWCUT PAVEMENT	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
8	CONSTRUCTION FENCING	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
9	ALLOWANCE FOR POLICE TRAFFIC CONTROL	AL
	Allowance to cover anticipated costs for police. Use of allowance must be approved by the Owner prior to the execution of the work.	
10	SILT FENCE	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
11	INLET FILTER	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
12	CONSTRUCTION DRIVEWAY	SF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
13	PROTECTIVE PLYWOOD FOR TREE ROOTS AND PAVEMENT	SF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
14	GREEN ACRES CONSTRUCTION SIGN	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
15	EXCAVATION, UNCLASSIFIED	CY
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
16	EXCAVATION, HAND/PNEUMATIC	CY
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
17	DEMARCATIION LAYER	SY
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
18	TINTED CONCRETE SIDEWALK, 4" THK.	SY
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, to furnish and place concrete sidewalk including fine grading, foundation material, laboratory testing (if necessary), expansion joint material, sealant, and incidental expenses required to complete this work.	
19	CONCRETE SIDEWALK, REINFORCED, 4" THICK	SY

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, to furnish and place concrete sidewalk in the right-of-way including fine grading, foundation material, laboratory testing (if necessary), expansion joint material, sealant, and incidental expenses required to complete this work.	
20	HOT MIX ASPHALT, 12.5M64 SURFACE COURSE	TON
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
21	HOT MIX ASPHALT, 19M64 SURFACE COURSE	TON
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
22	FUEL PRICE ADJUSTMENT	AL
	Allowance to cover any necessary fuel price adjustment. Use of allowance must be approved by the Owner prior to the execution of the work.	
23	ASPHALT PRICE ADJUSTMENT	AL
	Allowance to cover any necessary asphalt price adjustment. Use of allowance must be approved by the Owner prior to the execution of the work.	
24	DENSE-GRADED AGGREGATE BASE COURSE FOR TRENCH AND PAVEMENT REPAIR	CY
	Payment shall be made at the contract price based on actual work completed for dense-graded aggregate base course for trench and pavement repair in the right-of-way. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
25	THERMOPLASTIC STRIPING, 4"	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
26	THERMOPLASTIC SYMBOL	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
27	REGULATORY AND WARNING SIGN	SF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
28	BREAKAWAY SIGN POST	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, concrete footings, and incidentals required to complete this work.	
29	TINTED CONCRETE CURB	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, to furnish and place tinted concrete curb including fine grading, foundation material, formwork, laboratory testing (if necessary), expansion joint material, sealant, and incidental expenses required to complete this work.	
30	9" X 18" CONCRETE VERTICAL CURB	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, to furnish and place tinted concrete curb including fine grading, foundation material, formwork, laboratory testing (if necessary), expansion joint material, sealant, and incidental expenses required to complete this work.	
31	ENGRAVED GRANITE PAVER BAND	SF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, to furnish and place engraved granite paver band including engraving, fine grading, foundation material, laboratory testing (if necessary), mortar setting bed and joint material, paver restraint, and incidental expenses required to complete this work.	
32	DECOMPOSED GRANITE	SF

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to furnish and install decomposed granite including material, binder, base aggregate, steel edging, and incidental expenses required to complete this work.	
33	PLAYGROUND EQUIPMENT	LS
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidentals necessary to complete the work, including furnishing the structure, structure delivery, furnishing crane and offloading, unclassified and/or hand/pneumatic excavation, concrete footings, concrete reinforcing, the cost of hiring of an independent CPSI, if required, and all submittals, in accordance with the plans, approved shop drawings and specifications.	
34	PLAYGROUND SAFETY SURFACE, 8' FALL HEIGHT	SF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, geotextile, and base course required to complete this work.	
35	SPLASH PAD EQUIPMENT	LS
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, and equipment including furnishing the structure, structure delivery, furnishing crane and offloading, unclassified excavation, concrete with steel bar reinforcement, fasteners, screws, anchor bolts, electrical conduit and wire, electrical connections and all other necessary hardware; broken stone; leveling; all required touch-up work and Manufacturer's warranty, and all incidental expenses necessary to complete the work in accordance with the plans and specifications.	
36	PARK STOOL	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, concrete footings, and incidental expenses required to complete this work.	
37	PARK BENCH	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, concrete footings, and incidental expenses required to complete this work.	
38	ACCENT CHAIR	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, concrete footings, and incidental expenses required to complete this work.	
39	CONCRETE SEAT WALL	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidentals necessary to complete the work, including unclassified and/or hand/pneumatic excavation, concrete footings, concrete reinforcing, and all submittals, in accordance with the plans, approved shop drawings and specifications.	
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, concrete footings, and incidental expenses required to complete this work.	
40	ALUMINUM 'WOOD' TOP FOR CONCRETE SEAT WALL	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, and incidental expenses required to complete this work.	
41	TRASH AND RECYCLING RECEPTACLE	EA

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, concrete footings, and incidental expenses required to complete this work.	
42	PLANT BED RAILING	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, painting, grout, sealant, and all incidental expenses required to complete this work.	
43	DECORATIVE FENCE, 8' HEIGHT	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, painting, grout, sealant, and all incidental expenses required to complete this work.	
44	DOUBLE GATE FOR DECORATIVE FENCE, 8' HEIGHT	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, painting, grout, sealant, and all incidental expenses required to complete this work.	
45	DECORATIVE FENCE, 3' HEIGHT	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, painting, grout, sealant, and all incidental expenses required to complete this work.	
46	SINGLE GATE FOR DECORATIVE FENCE, 3' HEIGHT	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, painting, grout, sealant, and all incidental expenses required to complete this work.	
47	LOCATION SIGN ON FENCE	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
48	SHADE/STREET TREE, 3"-3.5" CAL., B&B	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment to install each tree, as specified in the Plant Schedule and shall include the cost of furnishing plants, excavation, fertilizer, inspecting, planting, staking, anchoring, watering, replacing, and maintaining all plant material and all work incidental thereto, in accordance with the plans and specifications. The price of water, regardless of source, is deemed included in the unit price bid. No extra payment will be made for water coming from the Contractor's own source.	
49	ORNAMENTAL TREE	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment to install each tree, as specified in the Plant Schedule and shall include the cost of furnishing plants, excavation, fertilizer, inspecting, planting, staking, anchoring, watering, replacing, and maintaining all plant material and all work incidental thereto, in accordance with the plans and specifications. The price of water, regardless of source, is deemed included in the unit price bid. No extra payment will be made for water coming from the Contractor's own source.	
50	SHRUBS	EA

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment to install each tree, as specified in the Plant Schedule and shall include the cost of furnishing plants, excavation, fertilizer, inspecting, planting, staking, anchoring, watering, replacing, and maintaining all plant material and all work incidental thereto, in accordance with the plans and specifications. The price of water, regardless of source, is deemed included in the unit price bid. No extra payment will be made for water coming from the Contractor's own source.	
51	PERENNIALS	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment to install each tree, as specified in the Plant Schedule and shall include the cost of furnishing plants, excavation, fertilizer, inspecting, planting, staking, anchoring, watering, replacing, and maintaining all plant material and all work incidental thereto, in accordance with the plans and specifications. The price of water, regardless of source, is deemed included in the unit price bid. No extra payment will be made for water coming from the Contractor's own source.	
52	GRASSES & FERNS	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment to install each tree, as specified in the Plant Schedule and shall include the cost of furnishing plants, excavation, fertilizer, inspecting, planting, staking, anchoring, watering, replacing, and maintaining all plant material and all work incidental thereto, in accordance with the plans and specifications. The price of water, regardless of source, is deemed included in the unit price bid. No extra payment will be made for water coming from the Contractor's own source.	
53	WOOD MULCHING, 2" THK.	SY
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals necessary to furnish and place mulch, and all other work incidental thereto, in accordance with the plans and specifications.	
54	IMPORTED TOPSOIL	CY
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals necessary to prepare planting and top soil areas, all testing and amending soil to meet nutrient levels, furnish, place, and incorporate topsoil, documentation, and all other work incidental thereto, in accordance with the plans and specifications.	
55	IRRIGATION SYSTEM, COMPLETE	LS
	Payment shall be made at the contract price based on actual work completed. This item includes the cost of the design, all labor, materials, equipment necessary, all plumbing work and water connections to water service, and all other incidentals necessary to complete the work in accordance with the specifications.	
56	PREFABRICATED RESTROOM STRUCTURE	LS
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, and equipment including furnishing the structure, structure delivery, furnishing crane and offloading, unclassified excavation, concrete with steel bar reinforcement, fasteners, screws, anchor bolts, electrical conduit and wire, electrical connections and all other necessary hardware; broken stone; leveling; all required touch-up work and Manufacturer's warranty, and all incidental expenses necessary to complete the work in accordance with the plans and specifications.	
57	PEDESTRIAN LIGHT AND FOOTING	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, concrete footing, conduit, and incidental expenses required to complete this work.	
58	LANDSCAPE ACCENT LIGHTING	EA

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, concrete footing, conduit, and incidental expenses required to complete this work.	
59	2'x2' INLET WITH HOOD	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
60	12" YARD INLET	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
61	2'x4' INLET	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
62	3" POLYVINYL CHLORIDE PIPE	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
63	6" POLYVINYL CHLORIDE PIPE	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
64	8" POLYVINYL CHLORIDE PIPE	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
65	30" POLYVINYL CHLORIDE PIPE	LF

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
66	6" SLOT DRAIN	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
67	CLEANOUTS	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
68	CONCRETE ENCASEMENT	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
69	4" DUCTILE IRON SEWER PIPE	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
70	4" SEWER PIPE FITTINGS	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
71	1-1/2" & 1/2" DOMESTIC WATER	LF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
72	DOMESTIC WATER FITTINGS	EA

	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
73	DRAINS	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
74	PRESSURE REDUCING VALVE	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
75	HEADER	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
76	WATER TIE-IN	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	
77	ELECTRICAL WORK, COMPLETE	LS
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all electrical work and connection to electrical service, in accordance with the plans and specifications.	
78	8" INLINE CHECK VALVE	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
79	8" TO 6" REDUCER	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all electrical work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	

80	ALLOWANCE FOR LOADING, HAULING, AND DISPOSAL OF REGULATED MATERIAL	AL
	Allowance to cover anticipated costs for loading, hauling, and disposal of regulated material. This allowance includes all labor, materials, equipment, and incidentals required to complete this work. Use of allowance must be approved by the Owner prior to the execution of the work.	
81	ALLOWANCE FOR LOADING, HAULING, AND DISPOSAL OF HAZARDOUS MATERIAL	AL
	Allowance to cover anticipated costs for loading, hauling, and disposal of hazardous material. This allowance includes all labor, materials, equipment, and incidentals required to complete this work. Use of allowance must be approved by the Owner prior to the execution of the work.	
82	ALLOWANCE FOR SECURITY IMPROVEMENTS SITE WORK	AL
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
83	CONTINGENCY FOR UNFORESEEN CONDITIONS	AL
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, and incidentals required to complete this work.	
84	CONCRETE PAVER	SF
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, to furnish and place engraved granite paver band including engraving, fine grading, foundation material, laboratory testing (if necessary), mortar setting bed and joint material, paver restraint, and incidental expenses required to complete this work.	
85	BIKE RACK	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment, hardware, anchors, concrete footings, and incidental expenses required to complete this work.	
86	REDUCED PRESSURE ZONE VALVE	EA
	Payment shall be made at the contract price based on actual work completed. This item includes all labor, materials, equipment and incidental expenses necessary to complete the work, including fine gravel or sand foundation material (where needed), all plumbing work and connection to water service including fittings and polyethylene sleeves if required, in accordance with the plans and specifications. Where fittings connect different sizes of pipe, the fittings shall be included in quantity measured for larger size.	

END OF SECTION

SECTION 13 34 00
PREFABRICATED RESTROOM STRUCTURES

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Site Preparation, Demolition and Clearing: Section 31 11 00
- C. Earth Moving: Section 31 00 00
- D. Cement & Concrete for Exterior Improvements: 32 05 23
- E. Water Distribution: 22 11 00
- F. Storm and Sanitary Sewerage: 33 33 00

1.2 REFERENCES

- A. ASTM A-240 Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and General Applications
- B. ASTM A-554 Standard Specification for ferritic, welded austenitic and austenitic- ferritic duplex stainless steel mechanical tubing
- C. ASTM A650 Grade 60 STANDARD SPECIFICATION FOR TIN MILL PRODUCTS, BLACK PLATE, DOUBLE REDUCED
- D. ADAAG 2010 ADA Standards for Accessible Design
- E. CBC California Building Codes
- F. CSFM California Fire Safety Code
- G. MILITARY SPECIFICATION V-29193

1.3 SUMMARY

- A. The scope of work intended under this contract includes furnishing all labor, materials, tools and equipment for the prefabricated restrooms and related work necessary to complete the work as shown, or as may be reasonably inferred from, the drawings and as described in the Specifications. Such work shall include but is not necessarily limited to the following:
 - 1. Prefabricated Restrooms

1.4 QUALITY ASSURANCE

1.5 SUBMITTALS

1.6 PRODUCT DELIVERY, STORAGE AND HANDLING

1.7 JOB CONDITIONS

1.8 WARRANTY

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Building materials shall be supplied by Portland Loo Inc. or approved equal.
- B. Floor plan dimensions: 6'-4" W x 10'-7" L x 8'-9 1/2" Tall
- C. See drawings for details.

2.2 CONCRETE

- A. Slab and footing by installer - 4000 psi strength at 28 days.
- B. ASTM A615 grade 60 rebar reinforcement.

2.3 STEEL

- A. Prefabricated building frame posts supplied by Portland Loo Inc. - The prefabricated steel frame is to be constructed of 3" ASTM A 304L stainless tube steel.
- B. Prefabricated roof system supplied by Portland Loo, Inc. or approved equal.
 - 1. The prefabricated roof will consist of 3/16" ASTM A304L Stainless Steel plate, with 1/4" ASTM A304L Stainless Steel plate formed around the exterior for fascia.
 - 2. The prefabricated roof system will include (4) 2000# lifting eyes that will act as pick points for the prefabricated roof system. In addition, (4) 1"x 3" slotted drains for water runoff shall be included.
- C. Wall panels supplied by Portland Loo, Inc., or approved equal.
 - 1. The wall panels will be 3/16" ASTM A304 Stainless steel structural plate steel.
 - 2. All wall panels are channel formed around the perimeter and bolted to the prefabricated building frame.
 - 3. Water guards will be supplied to keep leaves and other debris from entering the loo from underneath the louvers.

2.4 OPENINGS

- 1. Louvers supplied by Portland Loo, Inc., or approved equal.

1. The frame and louvers will be fabricated from 1/4" 304/304L ASTM A240A stainless steel plate. Louver panels will be bolted to steel fabricated frames and columns.
 2. There shall be no upper louvers.
- B. Skylight supplied by Portland Loo, Inc., or approved equal.
- C. Main door supplied by Portland Loo Inc., or approved equal.
1. 3/16" 5052 Aluminum ASTM B209-14- aluminum plate with formed edges around perimeter, 3/16" Formed channel stiffeners, and an integrated door louver fabricated from 3/16" 5052 Aluminum-Alloy plate
 2. Door hinges shall be barrel hinges with zerk fittings welded to 'A" x 3" x 5" plates. Hinges shall be attached with 3/8-16 vandal resistant security screws. Lever lock shall be Best HD door lever 9k series complies with ADA and California Fire Safety Code (CSFM). Dormitory locking feature to keep door from locking after departure. Satin Chrome finish. Installation on-site with supplied hardware.
 3. Door closer shall be Norton 9540 689 inside surface mounted door closer with fast power adjust, shall comply with ADA requirements. Door closer shall be tested and certified under ANSI Standard A156.4, grade one.
 4. The lever lock shall be Best Grade 1 dormitory mortise lock with ADA and California Fire Safety Code (CSFM) and IC interchangeable cores. Dormitory locking feature to keep door from locking after departure. Satin Chrome finish. Latch guard plate.
- D. Mechanical room doors supplied by Portland Loo Inc., or approved equal.
1. 3/16" ASTM A304 Stainless Steel plate.
 2. Door hinges shall be Type 304 stainless steel lift off hinges 1849A34.
 3. Rear chase doors including latch guards.
 4. Locks to be (2) Stanley BEST 8T-2-7-L-STK-626 Grade 1 Cylinder/Blank Deadbolt with a 2-3/8 Backset in Satin Chrome. Cores passed ANSI/BHMA A156.11, grade 1 testing. Satin chrome finish to accept Best large format IC cores by installer. Qty 1 per door.

2.5 PLUMBING

1. Toilet supplied by Portland Loo Inc., or approved equal.
 1. Acorn Dura-Ware 2105 Series wall hung, 16-ga. type 304 stainless steel. Seamlessly welded from a one-piece vandal-resistant unit. Fully enclosed trap, Siphon Jet flushing action, and integral elongated seat. Designed for low consumption with appropriate flush valve.
 2. Designed to meet or exceed UPC 407.1 for hydraulic performance and physical dimensions.
 3. Exposed surfaces polished to a satin finish.
2. Interior hand wash station supplied by Portland Loo Inc., or approved equal.
 1. Acorn 03-M pneumatic metering valve

2. Acorn PBH air-trol push button requires less than 5 lb force operation.
3. Flushometer supplied by Portland Loo Inc., or approved equal.
 1. Sloan manual concealed flushometer for wall hung water closets, 14.5" rough in, rear spud, offset activation, 1.28 gpf/4.8 Lpf, wall box.
 2. Valve body, cover, tailpiece, and control stop shall be in conformance with ASTM alloy classification for semi-red brass.
 3. Valve shall comply to the applicable sections of UPC 413.2, and military specification V-29193.
 4. ADA compliant non-hold-open feature type actuator.

2.6 FURNISHINGS

- A. Grab bars supplied by Portland Loo, Inc., or approved equal.
 1. WH Cress 6800 series stainless steel grab bars, 4-ga, satin finish 1-1/2" outside diameter 22-ga round snap on concealed mount.
- B. Toilet paper dispenser supplied by Portland Loo, Inc., or approved equal.
 1. One, 2-roll 12ga 304 Stainless steel, rolling dispenser with 1" long, lockable.
- C. Signs supplied by Portland Loo Inc., or approved equal.
 1. Restroom entry signs shall be fastened to interior walls alongside entry doors to meet ADA requirements, Hand Sanitizer sign on inside above hand sanitizer pump, Hand Wash sign above hand wash control valve.
 2. Graphics and grade 2 Braille on injection molded plastic signs, black or blue color. Unisex design.
 1. Dimensions: Qty (1) 9" wide by 8" tall by 1/8" thick.
 2. Dimensions: Qty (1) 8" wide by 2" tall by 1/8" thick "Hand Sanitizer" sign
 3. Dimensions: Qty (1) 8" wide by 2" tall by 1/8" thick "Hand Wash" sign

2.7 FINISHES

- 2.8 ALL EXPOSED STAINLESS STEEL AND STEEL SURFACES ARE SANDBLAST FINISH WITH POWDER COATED USING RAL 7037 FOR THE TUBE, COLUMNS & STANCHIONS. PANELS, DOOR & ROOF CARDINALS :S# 17187 P097- GRAY POLYURETHANE POWDER COATING SEMI-GLOSS GRAY CHARCOAL (ANTI-GRAFFITI).ELECTRICAL
- A. Electrical system and components Supplied by Portland Loo Inc., or approved equal - Furnished and wired by electrical contractor licensed in the state of Oregon. Wiring, conduit, electrical enclosures are UL listed.
 - B. Exterior lighting - LED Flexlight light rope, 3 Watts per foot. Blue lighting.
 - C. Interior Lighting - Two 24 Inch Current USA TrueLumen Pro Deepwater Blue 453nm Actinic LED Strip Lights

- D. Lighting control - Photoeye - 24 VDC Wattstopper Model #EM-24A2.
- E. Electrical heat trace and Thermostat - Heatline Kompensator heat trace with 6 watts per foot and 24V DC powered. Heat trace controlled by Engenity Solitat II Solid State DC thermostat set to close at 40 deg Fahrenheit or below, 6V to 24V operation and 20Amp load capability.
- F. Meter Panel (non-solar units if requested) - Cooper AW 114TB UL 414 listed and complies with C12.7. Only on Non-solar Portland Loo.
- G. Sola 24 V DC power supply 110V AC input, 240 Watt - model SDN 10-24-100C. Only on non-solar Portland Loo.
- H. Electrical Enclosure - NEMA (include wording for grounding by others) Including breakers and fusing, wire terminations, Control relays and Sola 24V DC power supply (non-solar units).

2.9 ADD-ONS

- A. Prefabricated restroom package shall also include:
 - 1. Baby Changing Table
 - 2. Interior Recessed Vandal Guard Trash Can
 - 3. Fully Enclosed Sharps Container
 - 4. Extreme Cold Weather Upgrade
 - 5. Interior Recessed Hand Wash with Cold Air Hand Dryer, Tempered Water, and Vandal Guard Soap Dispenser

PART 3 – EXECUTION

3.1 SITEWORK

- A. Structural fill per geotechnical reports (by General Contractor).
- B. Site grading and structural fill (by General Contractor).
- C. Building foundation structural fill (by General Contractor).
- D. Structural fill for footing foundation and slab grading per plan (by Portland Loo, or approved equal, installer).
- E. Sidewalks (by General Contractor).

3.2 BUILDING ERECTION

- A. Verify site conditions are prepared for building installation.
- B. Do not field cut or alter structural members without approval of the manufacturer and Landscape Architect.

- C. Install in accordance with manufacturer's instructions.

3.3 TRAINING

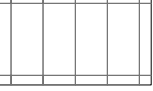
- A. Provide maintenance and operation training to City representatives.

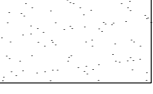
END OF SECTION

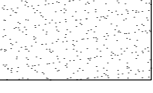
\\USERS\ARTERIAL\ARTERIAL_DROPBOX\01 PROJECTS\02-2024-209_TOM OLIVIERI PARK\6.0 02-2024-209 CADD\6.5 SHEETS\CD\3. G-002 LEGEND&QUANTITIES_24x36.DWG
DATE PRINTED: 9/15/2026 12:07 PM

LEGEND

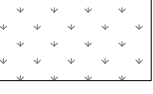
CONCRETE PAVEMENT

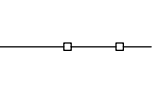
CONCRETE PAVERS

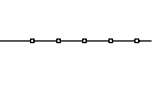
DECOMPOSED GRANITE

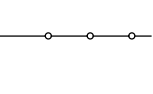
GRANITE PAVER BAND

RUBBERIZED SAFETY SURFACE

PLANTING

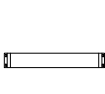
DECORATIVE STEEL FENCE - 8' HT.

DECORATIVE STEEL FENCE - 3' HT.

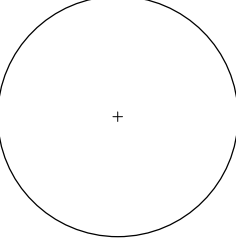
PLANT BED RAILING

PARK STOOL

ACCENT CHAIR

PARK BENCH

TRASH AND RECYCLING RECEPTACLE

PROPOSED SHADE TREE

EXISTING TREE

SHRUB

EVERGREEN SHRUB

PROPERTY LINE

ABBREVIATIONS	
BC	BOTTOM OF CURB
BS	BOTTOM OF SLOPE
B.W.	BOTTOM OF WALL
DET.	DETAIL
DIA.	DIAMETER
EXIST.	EXISTING
L.P.	LOW POINT
MAX.	MAXIMUM
NO.	NUMBER
N.T.S.	NOT TO SCALE
TC	TOP OF CURB
TS	TOP OF SLOPE
T.W.	TOP OF WALL

ITEM #	ITEM NAME	UNIT	QUANTITY
1	SITE DEMOLITION AND CLEARING	LS	1
2	CLEAR AND GRUB	LS	1
3	RODENT AND PEST CONTROL	LS	1
4	TEMPORARY TREE PROTECTION	EA	11
5	TREE PRUNING	EA	11
6	TREE REMOVAL, OVER 12" DIA.	EA	1
7	SAWCUT PAVEMENT	LF	257
8	CONSTRUCTION FENCING	LF	85
9	ALLOWANCE FOR POLICE TRAFFIC CONTROL	AL	1
10	SILT FENCE	LF	85
11	INLET FILTER	EA	4
12	CONSTRUCTION DRIVEWAY	SF	300
13	PROTECTIVE PLYWOOD FOR TREE ROOTS AND PAVEMENT	SF	600
14	GREEN ACRES CONSTRUCTION SIGN	EA	1
15	EXCAVATION, UNCLASSIFIED	CY	150
16	EXCAVATION, HAND/PNEUMATIC	CY	250
17	DEMARCATION LAYER	SY	650
18	TINTED CONCRETE SIDEWALK, 4" THK.	SY	23
19	CONCRETE SIDEWALK, REINFORCED, 4" THICK	SY	65
20	HOT MIX ASPHALT, 12.5M64 SURFACE COURSE	TON	1
21	HOT MIX ASPHALT, 19M64 SURFACE COURSE	TON	2
22	FUEL PRICE ADJUSTMENT	AL	1
23	ASPHALT PRICE ADJUSTMENT	AL	1
24	DENSE-GRADED AGGREGATE BASE COURSE FOR TRENCH AND PAVEMENT REPAIR	CY	1
25	THERMOPLASTIC STRIPING, 4"	LF	54
26	THERMOPLASTIC SYMBOL	EA	1
27	REGULATORY AND WARNING SIGN	SF	7
28	BREAKAWAY SIGN POST	EA	1
29	TINTED CONCRETE CURB	LF	277
30	9" X 18" CONCRETE VERTICAL CURB	LF	5
31	ENGRAVED GRANITE PAVER BAND	SF	212
32	DECOMPOSED GRANITE	SF	176
33	PLAYGROUND EQUIPMENT	LS	1
34	PLAYGROUND SAFETY SURFACE, 8" FALL HEIGHT	SF	2030
35	SPLASH PAD EQUIPMENT	LS	1
36	PARK STOOL	EA	19
37	PARK BENCH	EA	3
38	ACCENT CHAIR	EA	3
39	CONCRETE SEAT WALL	LF	34
40	ALUMINUM 'WOOD' TOP FOR CONCRETE SEAT WALL	EA	2
41	TRASH AND RECYCLING RECEPTACLE	EA	2
42	PLANT BED RAILING	LF	257
43	DECORATIVE FENCE, 8" HEIGHT	LF	60
44	DOUBLE GATE FOR DECORATIVE FENCE, 8" HEIGHT	EA	1
45	DECORATIVE FENCE, 3' HEIGHT	LF	35
46	SINGLE GATE FOR DECORATIVE FENCE, 3' HEIGHT	EA	1
47	LOCATION SIGN ON FENCE	EA	4
48	SHADE/STREET TREE, 3"-3.5" CAL., B&B	EA	2
49	ORNAMENTAL TREE	EA	2
50	SHRUBS	EA	30
51	PERENNIALS	EA	373
52	GRASSES & FERNS	EA	255
53	WOOD MULCHING, 2" THK.	SY	152
54	IMPORTED TOPSOIL	CY	90
55	IRRIGATION SYSTEM, COMPLETE	LS	1
56	PREFABRICATED RESTROOM STRUCTURE	LS	1
57	PEDESTRIAN LIGHT AND FOOTING	EA	3
58	LANDSCAPE ACCENT LIGHTING	EA	4
59	2"x2" INLET WITH HOOD	EA	2
60	12" YARD INLET	EA	1
61	2"x4" INLET	EA	1
62	3" POLYVINYL CHLORIDE PIPE	LF	2
63	6" POLYVINYL CHLORIDE PIPE	LF	226
64	8" POLYVINYL CHLORIDE PIPE	LF	8
65	30" POLYVINYL CHLORIDE PIPE	LF	36
66	6" SLOT DRAIN	LF	50
67	CLEANOUTS	EA	8
68	CONCRETE ENCASEMENT	LF	60
69	4" DUCTILE IRON SEWER PIPE	LF	42
70	4" SEWER PIPE FITTINGS	EA	14
71	1-1/2" & 1/2" DOMESTIC WATER	LF	364
72	DOMESTIC WATER FITTINGS	EA	45
73	DRAINS	EA	4
74	PRESSURE REDUCING VALVE	EA	1
75	HEADER	EA	1
76	WATER TIE-IN	EA	1
77	ELECTRICAL WORK, COMPLETE	LS	1
78	8" INLINE CHECK VALVE	EA	2
79	8" TO 6" REDUCER	EA	1
80	ALLOWANCE FOR LOADING, HAULING, AND DISPOSAL OF REGULATED MATERIAL	AL	1
81	ALLOWANCE FOR LOADING, HAULING, AND DISPOSAL OF HAZARDOUS MATERIAL	AL	1
82	ALLOWANCE FOR SECURITY IMPROVEMENTS SITE WORK	AL	1
83	CONTINGENCY FOR UNFORESEEN CONDITIONS	AL	1
84	CONCRETE PAVER	SF	909
85	BIKE RACK	EA	4
86	REDUCED PRESSURE ZONE VALVE	EA	1

ESTIMATE OF QUANTITIES NOTES:

1. QUANTITIES SHOWN ABOVE ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING QUANTITIES PRIOR TO BIDDING. SHOULD THERE BE A SIGNIFICANT DISCREPANCY IN THE QUANTITY SHOWN ON THE PLAN AND THAT SHOWN IN THE QUANTITIES CHART, THE CONTRACTOR SHALL REPORT SUCH DISCREPANCY TO OWNER PRIOR TO BIDDING.
2. THE CONTRACTOR SHALL NOT KNOWINGLY PROVIDE A BID THAT OMITS CONSTRUCTION ELEMENTS, QUANTITIES OR CONDITIONS REGARDLESS OF IF THEY ARE INCLUDED IN THE BID ITEM LIST OR SPECIFICATIONS. THE CONTRACTOR SHALL REVIEW THE PLANS AND SITE CONDITIONS IN DETAIL AND NOTIFY OWNER OF SUCH DISCRETIONS PRIOR TO BIDDING.

PLANT SCHEDULE

Plant Schedule							
KEY	QTY.	GENUS SPECIES	COMMON NAME	SIZE	SPEC.	SPACING	NOTES
SHADE TREES							
Gt	2	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	3"-3.5" CAL.	B+B	AS SHOWN	Limbed to 7' - straight leader
ORNAMENTAL TREES							
Cc	2	Cercis canadensis 'Forest Pansy'	Eastern Redbud	8-10' Ht.	B+B	AS SHOWN	Full and symmetrical, uniform specimen
SHRUBS							
Hq	9	Hydrangea quercifolia 'Sike's Dwarf'	Dwarf Oakleaf Hydrangea	2'-3' Ht.	Cont.	AS SHOWN	
Ig	13	Ilex glabra 'Shamrock Holly'	Inkberry Holly	2'-3' Ht.	Cont.	AS SHOWN	
Iv	8	Itea virginica 'Henry's Garnet'	Virginia Sweetspire	2'-3' Ht.	Cont.	AS SHOWN	
PERENNIALS							
Ac	120	Astilbe chinensis 'Visions'	Visions Astilbe	#1 Cont.	Cont.	15" O.C.	
Gm	28	Geranium maculatum	Wild Geranium	#1 Cont.	Cont.	12" O.C.	
HC	20	Hosta 'Christmas Tree'	Christmas Tree Hosta	#1 Cont.	Cont.	36" O.C.	
HS	33	Hemorocallis x spp.	Stella de Oro Daylily	#1 Cont.	Cont.	24" O.C.	
Lm	172	Liriope muscari 'Big Blue'	Lily Turf	#1 Cont.	Cont.	15" O.C.	
GRASSES & FERNS							
Cl	62	Chasmanthium latifolium	Northern Sea Oats	#2 Cont.	Cont.	18" O.C.	
Cp	65	Carex pensylvanica	Pennsylvania Sedge	#1 Cont.	Cont.	15" O.C.	
Pa	56	Polystichum acrostichoides	Christmas fern	#1 Cont.	Cont.	18" O.C.	
Pl	72	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Dwarf Fountain Grass	#2 Cont.	Cont.	12" O.C.	

ZONING STATISTICS

TOM OLIVIERI PARK				
ZONING STATISTICS TABLE				
ZONING DISTRICT: R-2 - RESIDENCE DISTRICT				
PROPOSED PARK IMPROVEMENTS				
BLOCK 174, LOT 11 CITY OF HOBOKEN , HUDSON COUNTY, NEW JERSEY R-2 - RESIDENCE DISTRICT (STABILIZATION)				
SCHEDULE OF BULK AND DIMENSIONAL REQUIREMENTS				
CODE SECTION	DESCRIPTION	REQUIRED / PERMITTED	EXISTING	PROPOSED
\$196-15.B.3	PRINCIPLE USE	PUBLIC USES: SCHOOLS, LIBRARIES, PARKS AND PLAYGROUNDS	PARK / PLAYGROUND	PARK / PLAYGROUND
\$196-15.E.1	MIN. LOT AREA	2,000 SF	4,958 SF	4,958 SF
\$196-15.E.2	MIN. LOT WIDTH	20 FT	60 FT	60 FT
\$196-15.E.3	MIN. LOT DEPTH	100 FT	83 FT	83 FT (EN)
\$196-15.E.6.1.a	MIN. FRONT YARD SETBACK ¹	0 FT	N/A	11 FT ³
\$196-15.E.6.1.b	MIN. SIDE YARD SETBACK	0 FT OR 5 FT	N/A	1.5 FT ³
\$196-15.E.6.1.c	MIN. REAR YARD SETBACK ²	27.6 FT	N/A	62 FT ³
\$196-28	MAX. FENCE HEIGHT ⁴	8 FT	7 FT	8 FT

EN - EXISTING NON-CONFORMANCE

1. FRONT YARD SETBACK SHALL BE EITHER 0 FEET OR SHALL MATCH THE SETBACK ON THE ADJOINING LOTS ON EITHER SIDE EXCEPT THAT NO FRONT YARD SETBACK SHALL EXCEED 10 FEET.
2. REAR YARD SETBACK SHALL BE 30 FEET OR 30% OF LOT DEPTH, WHICHEVER IS LESS.
3. PROPOSED SETBACKS ARE MEASURED FROM THE PROPERTY LINE TO PROPOSED BATHROOM STRUCTURE.
4. ANY PROPOSED WALL OR FENCE EXCEEDING 6 FEET IN HEIGHT SHALL BE SET BACK FROM ANY LOT LINE ONE FOOT PER EACH ADDITIONAL FOOT IN HEIGHT, THE MAXIMUM PERMITTED HEIGHT OF ANY FENCE OR WALL SHALL BE 8 FEET.

0'

1'

2'

3'

4'

5'

6'

7'

8'

0'

1'

2'

3'

4'

1.75"

1.5"

1.25"

1.5"

3"

2.5"

1.25"

2.25"

4"

2"

1"

1"

1"

2"

1"

1.5"

2"

1.5"

1.5"

1.5"

STATE OF NEW JERSEY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

ANOTHER

GREEN ACRES

PARK

PHILIP D. MURPHY

GOVERNOR

SHAWN LATOURETTE

COMMISSIONER, DEP

MARTHA SULLIVAN SAPP, DIRECTOR

(SPONSORING LOCAL GOVERNMENT)

(PROJECT NAME)

LOCAL OFFICIALS, CONTRACTORS & CONSULTANTS

DESIGN TO SUIT

FOREST GREEN BACKGROUND WITH WHITE LETTERING

TREE GRAPHIC AVAILABLE FROM GREEN ACRES OFFICE

1

GREEN ACRES CONSTRUCTION SIGN

SCALE: N.T.S.

Tom Olivieri Park Improvements

Bid Documents

Client:
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Hoboken, NJ 07030
Phone: (201) 420-2000

Landscape Architect + Civil Engineer

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Montclair, New Jersey 07042 USA
COFA - LANDSCAPE ARCHITECTURE: #MH000044
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David T. Lustberg
New Jersey Licensed Landscape Architect
NJ LLAP AS000651

Issue:
No. Date Remarks
1 09/15/2026 ADDENDUM #1

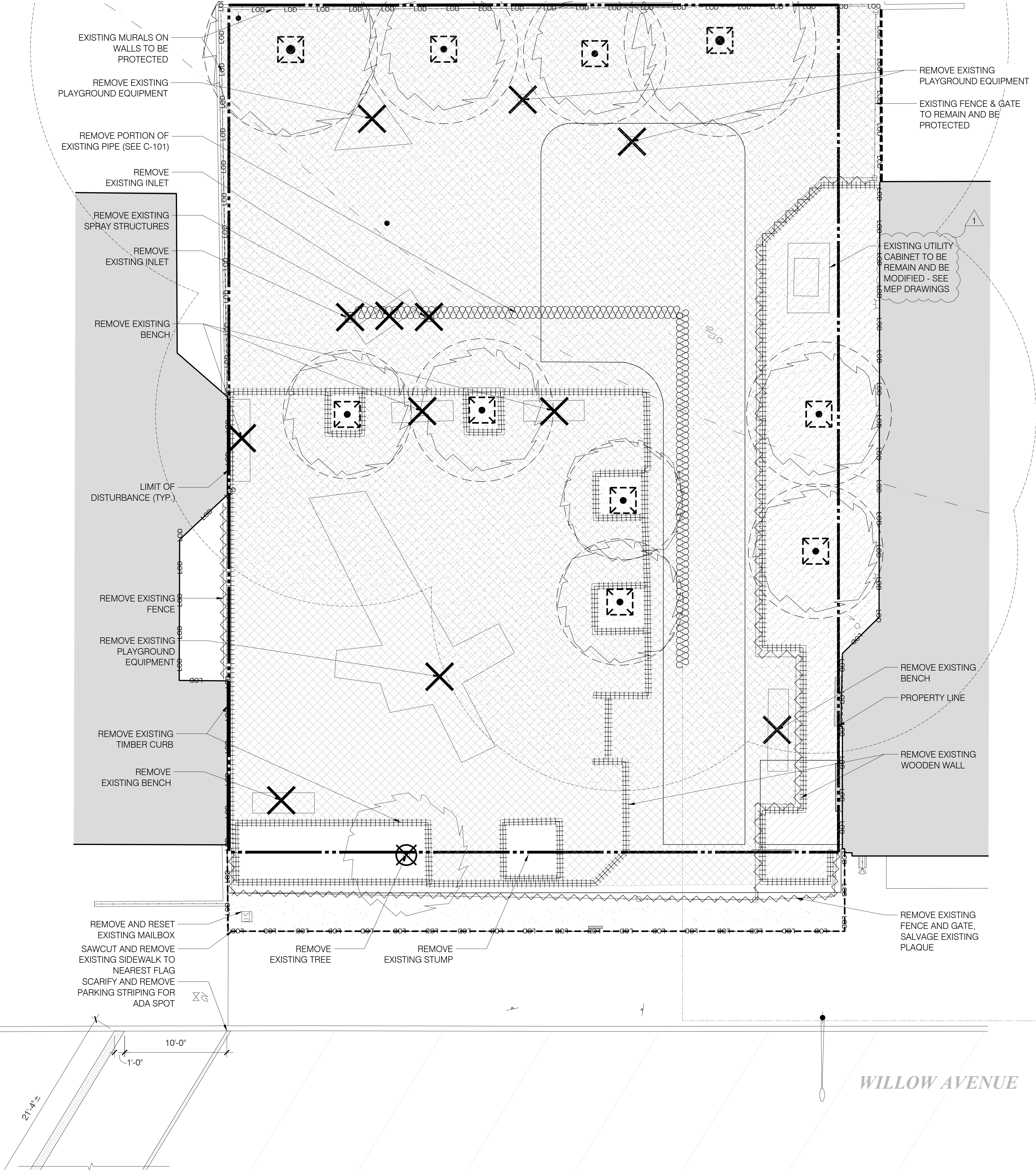
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LEGEND & QUANTITIES

Drawn By:
J. Summers/ N. Vuono
Checked By:
D. Lustberg
Date:
08/31/2026
Scale:
N/A
Project Number:
02-2024-209

G-002

Sheet:
03 of 34

\\USERS\ARTERIAL\ARTERIAL DROPBOX\01 PROJECTS\02-2024-209_TOM OLIVIERI PARK\6 0 02-2024-209 CADD\6.5 SHEETS\CD\5 L-001_EXISTING CONDITIONS & SITE CLEARING_24X36.DWG
DATE PRINTED: 9/14/2026 5:38 PM



LEGEND

- REMOVE EXISTING TREE
- REMOVE EXISTING ITEM
- PROTECT EXISTING TREE
- REMOVE EXISTING FENCE
- REMOVE EXISTING CURB
- REMOVE EXISTING UTILITY
- SAW CUT PAVEMENT
- LOD
- HAND/PNEUMATIC EXCAVATION
- CLEAR AND GRUB
- REMOVE EXISTING SAFETY SURFACE
- REMOVE EXISTING CONCRETE PAVEMENT
- REMOVE EXISTING STRIPING
- TREE PROTECTION ZONE (TPZ)
- EXIST. TREE TRUNK
- CRITICAL ROOT ZONE (CRZ)

NOTE:
1. ANY TRENCHING OR EXCAVATION WITHIN THE TPZ SHALL BE DONE USING HAND EXCAVATION AND/OR PNEUMATIC DIGGING TOOLS AND AIR-SPADE TECHNIQUES.
2. TRENCH SHALL NOT REMAIN OPEN LONGER THAN 12 HOURS.
3. EXISTING SOILS AT THE SITE CONTAIN CONCENTRATIONS OF POLYNUCLEAR AROMATIC HYDROCARBONS AND TARGET ANALYTE LIST METALS ABOVE NJDEP SOIL REMEDIATION STANDARDS. ALL SOIL EXCAVATED AT THE SITE SHALL BE PROPERLY MANAGED IN ACCORDANCE WITH NJDEP, OSHA, AND ANY OTHER APPLICABLE REGULATORY REQUIREMENTS AND AS DIRECTED BY THE LSRP.

PRUNING SCHEDULE

#	SPECIES	DIAMETER (IN)	CONDITION	RECOMMENDATIONS
1	STYPHNOLOBIUM JAPONICUM	24	DEAD	REMOVE STUMP
2	STYPHNOLOBIUM JAPONICUM	15.5	FAIR	CLEAN CROWN, RAISE CROWN, AND STRUCTURAL PRUNE
3	STYPHNOLOBIUM JAPONICUM	18	DEAD	REMOVE STUMP
4	STYPHNOLOBIUM JAPONICUM	14.8	FAIR	CLEAN CROWN AND STRUCTURAL PRUNE
5	STYPHNOLOBIUM JAPONICUM	14	FAIR	CLEAN CROWN
6	GLEDITSIA TRIACANTHOS	16.7	GOOD	CLEAN CROWN
7	STYPHNOLOBIUM JAPONICUM	15	FAIR	CLEAN CROWN AND CLEAR BUILDING
8	STYPHNOLOBIUM JAPONICUM	20.4	FAIR	CLEAN CROWN
9	STYPHNOLOBIUM JAPONICUM	17.5	FAIR	CLEAN CROWN
10	STYPHNOLOBIUM JAPONICUM	16.8	FAIR	CLEAN CROWN
11	STYPHNOLOBIUM JAPONICUM	22.6	FAIR	CLEAN CROWN
12	STYPHNOLOBIUM JAPONICUM	17	POOR	CLEAN CROWN
13	STYPHNOLOBIUM JAPONICUM	15.8	FAIR	CLEAN CROWN

Tom Oliveri Park Improvements

Bid Documents

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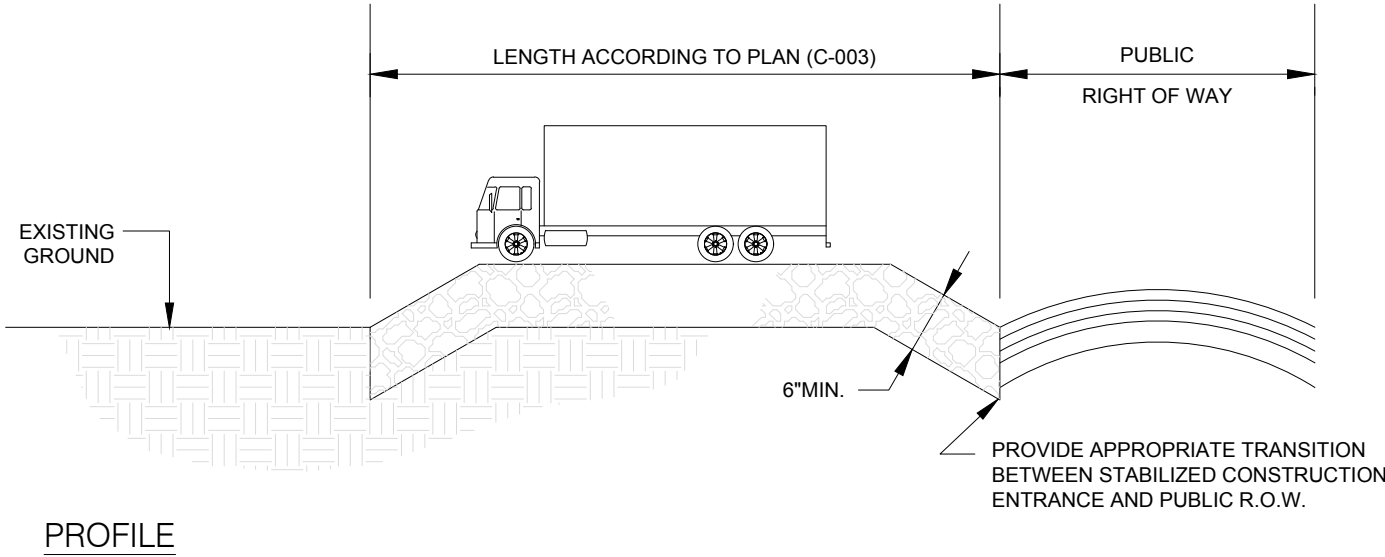


DL
David T. Lustberg
New Jersey Licensed Landscape Architect
NJ LLAP AS00661

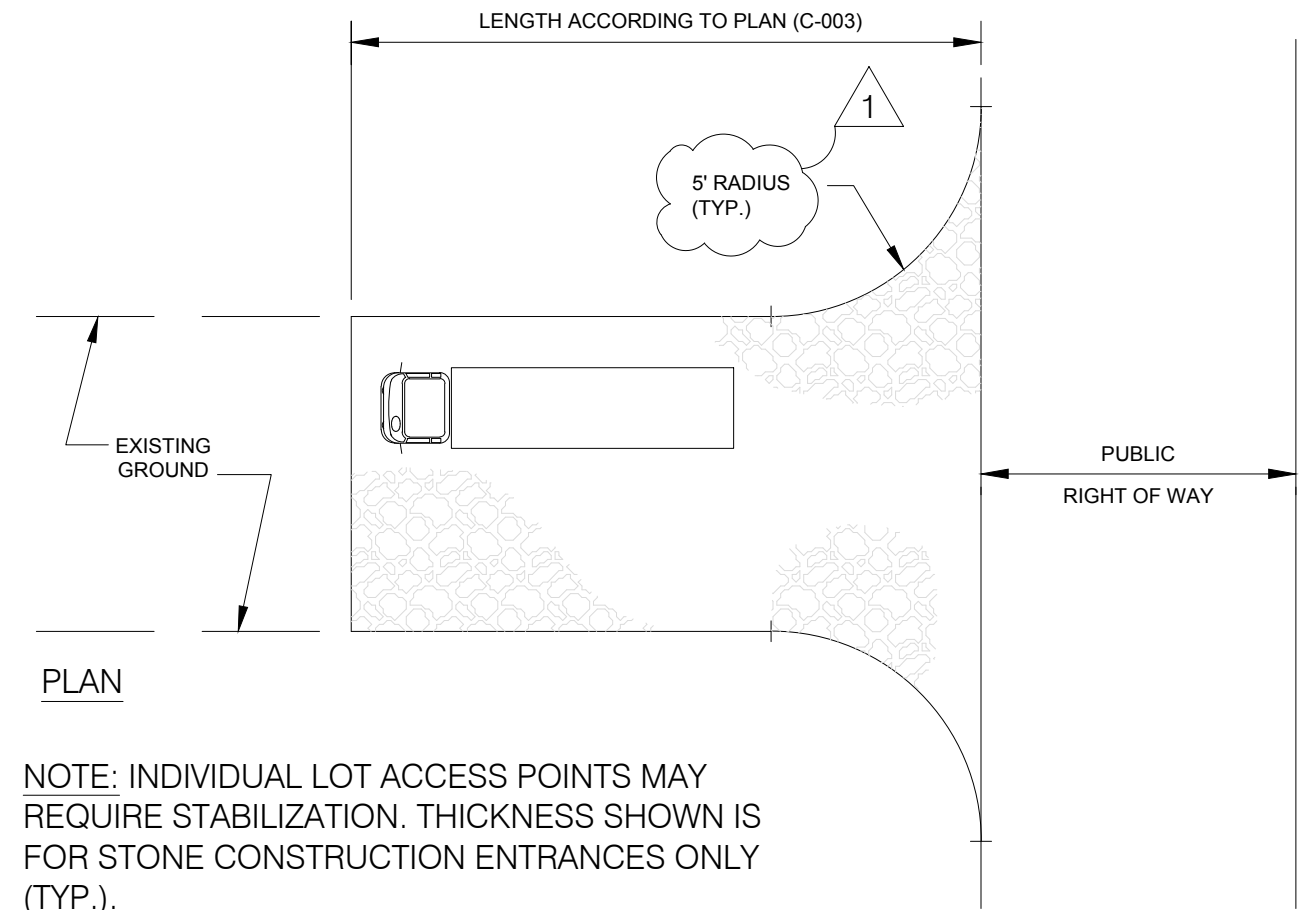
Issue:		
No.	Date	Remarks
1	09/15/2026	ADDENDUM #1

Sheet Title:		
EXISTING CONDITIONS, TREE PROTECTION, & SITE CLEARING PLAN		
Drawn By: J. Summers/ N. Vuono	L-001	Sheet: 5 of 34
Checked By: D. Lustberg		
Date: 08/31/2026		
Scale: 1" = 5'-0"		
Project Number: 02-2024-209		

\\USERS\ARTERIAL\ARTERIAL_DROPBOX\01 PROJECTS\02-2024-209_TOM OLIVIERI PARK\6 0 02-2024-209 CADD\6.5 SHEETS\CD\13. C-004 SOIL EROSION & SEDIMENT CONTROL DETAILS. 24X36.DWG
DATE PRINTED: 9/14/2026 5:36 PM



PROFILE



PLAN

NOTE: INDIVIDUAL LOT ACCESS POINTS MAY REQUIRE STABILIZATION. THICKNESS SHOWN IS FOR STONE CONSTRUCTION ENTRANCES ONLY (TYP.).

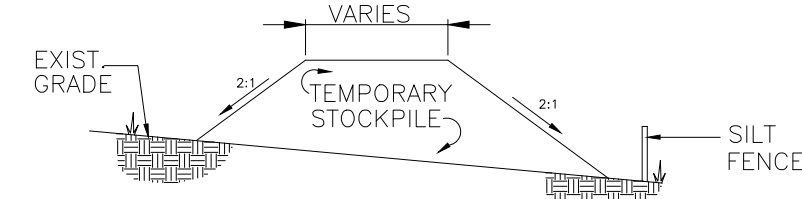
DESIGN CRITERIA

1. STONE SIZE - USE ASTM C-33, SIZE No. 2 (2 1/2 TO 1 1/2") OR 3 (2 to 1"). USE CLEAN CRUSHED ANGULAR STONE. CRUSHED CONCRETE OF SIMILAR SIZE MAY BE SUBSTITUTED BUT WILL REQUIRE MORE FREQUENT UPGRADING AND MAINTENANCE. THICKNESS-NOT LESS THAN SIX (6) INCHES WITH FILTER FABRIC.
3. WIDTH: NOT LESS THAN FULL WIDTH OF POINTS OF INGRESS OR EGRESS.
4. LENGTH: 25 FT - DUE TO EXISTING SITE CONSTRAINTS. THESE LENGTHS MAY BE INCREASED WHERE FIELD CONDITIONS DICTATED. STORMWATER FROM UP-SLOPE AREAS SHALL BE DIVERTED AWAY FROM THE STABILIZED PAD. WHERE THE SLOPE OF THE ACCESS ROAD EXCEED 5%, A STABILIZED BASE COURSE OF FINE AGGREGATE BITUMINOUS CONCRETE (FABC) SHALL BE INSTALLED. THE TYPE AND THICKNESS OF THE FABC AND USE OF A DENSE GRADE AGGREGATE SUB-BASE SHALL BE AS PRESCRIBED BY LOCAL MUNICIPAL ORDINANCE OR OTHER GOVERNING AUTHORITY.
5. AT POORLY DRAINED LOCATIONS, SUBSURFACE DRAINAGE GRAVEL FILTER OR GEOTEXTILE SHALL BE INSTALLED BEFORE INSTALLING THE STABILIZED CONSTRUCTION ACCESS.

MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACES MUST BE REMOVED IMMEDIATELY.

WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACES. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

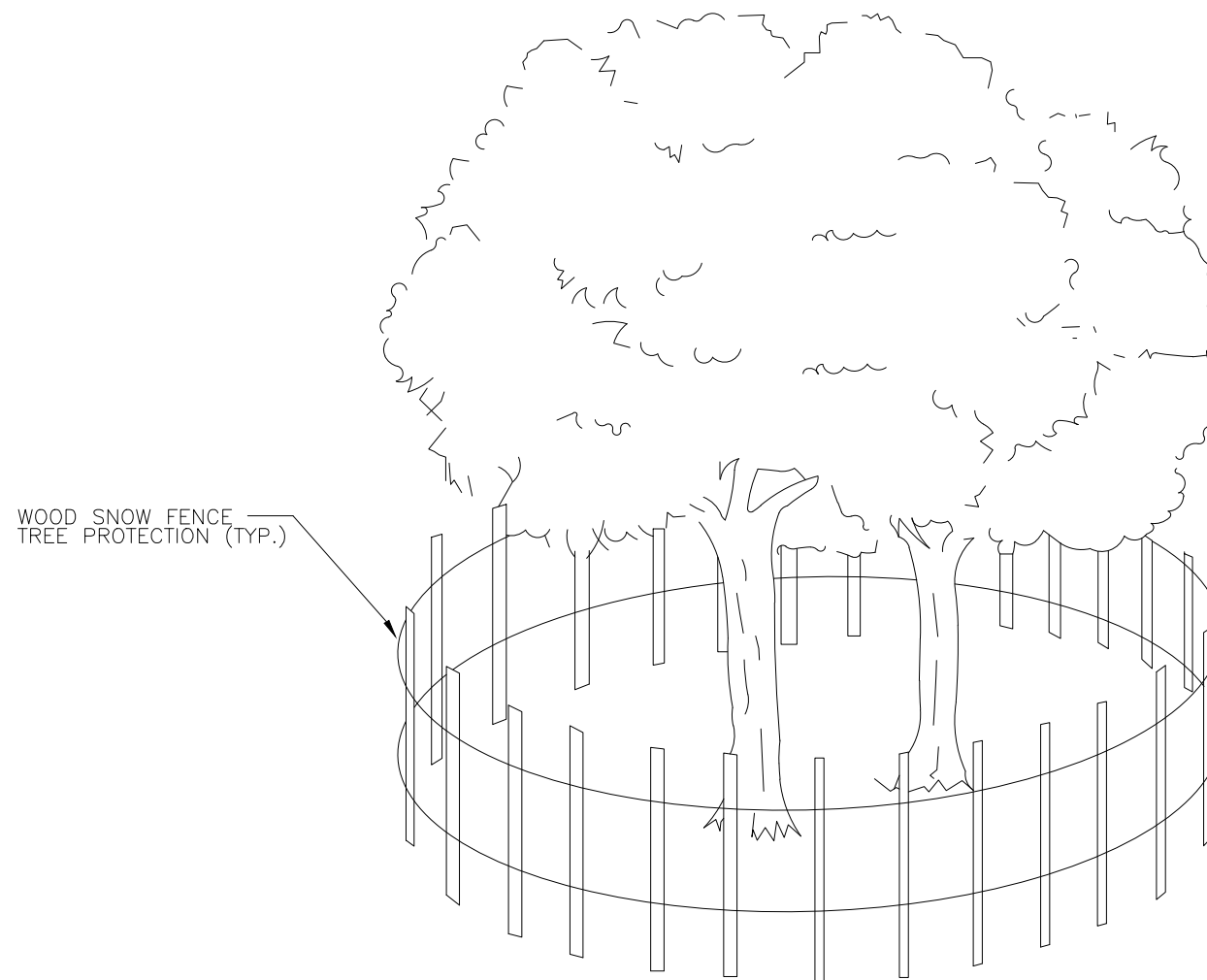


NOTE: PROVIDE TEMPORARY GRASS COVER AS SPECIFIED IN SESC NOTES

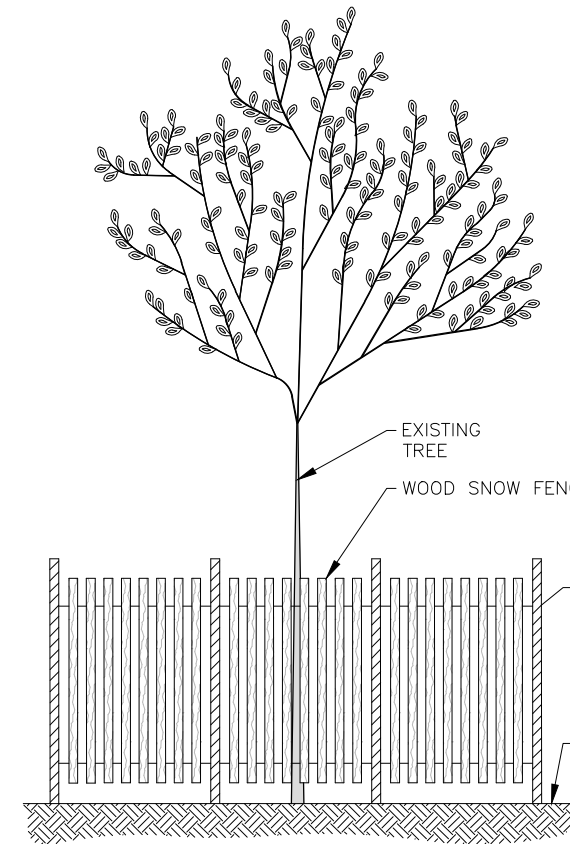
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TEMPORARY STOCKPILE

SCALE: N.T.S.



NOTE: EXTEND FENCE ALONG THE TREE PROTECTION ZONE (TPZ) LIMITS INDICATED ON THE DRAWINGS BUT NO LESS THAN 6'-0" MIN. FROM TREE TRUNK, WHICHEVER IS MORE STRINGENT. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL RETAIN A NEW JERSEY LICENSED TREE EXPERT (LTE) TO INSPECT EACH TREE TO DETERMINE TREE HEALTH. LTE SHALL MAKE RECOMMENDATION FOR SELECTIVE PRUNING IF NECESSARY AND PROPER TREE PROTECTION MEASURES AS REQUIRED. LTE SHALL BE OBTAINED AT NO ADDITIONAL COST TO THE CITY.

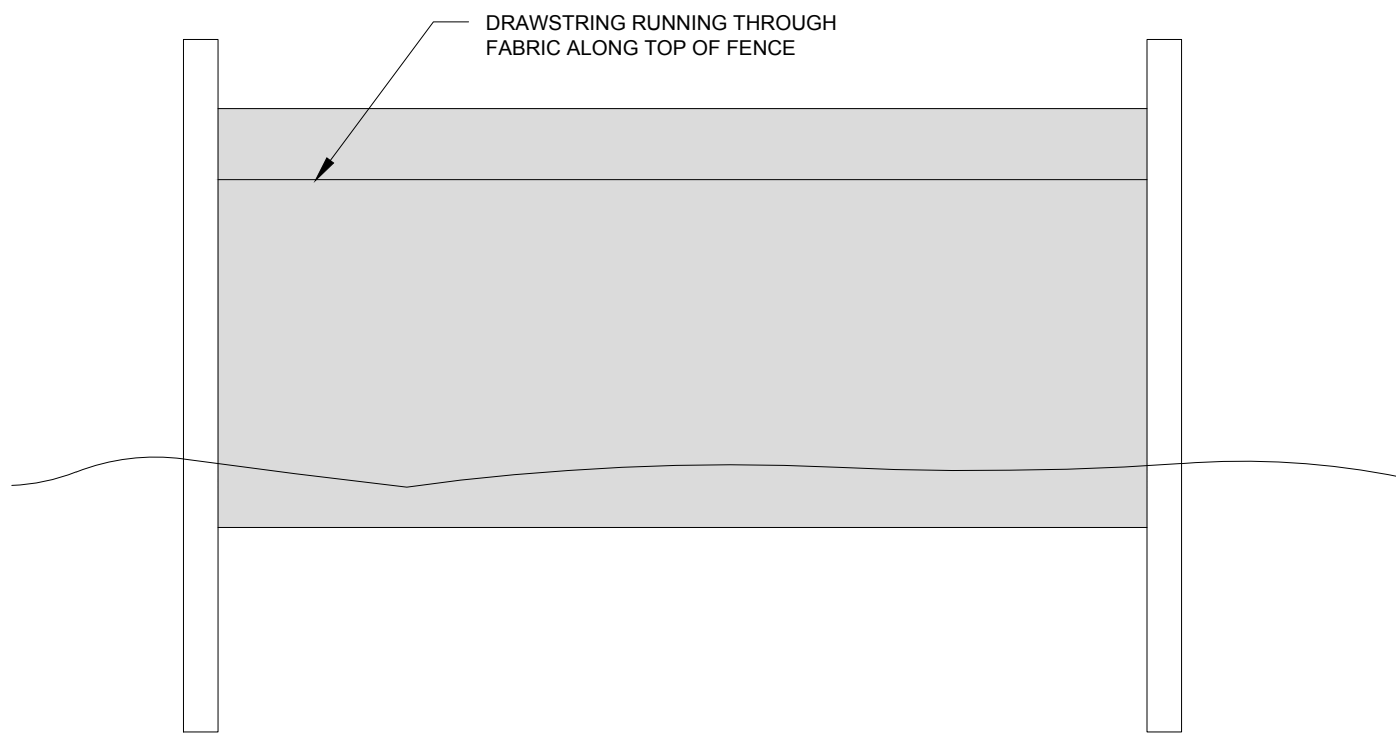
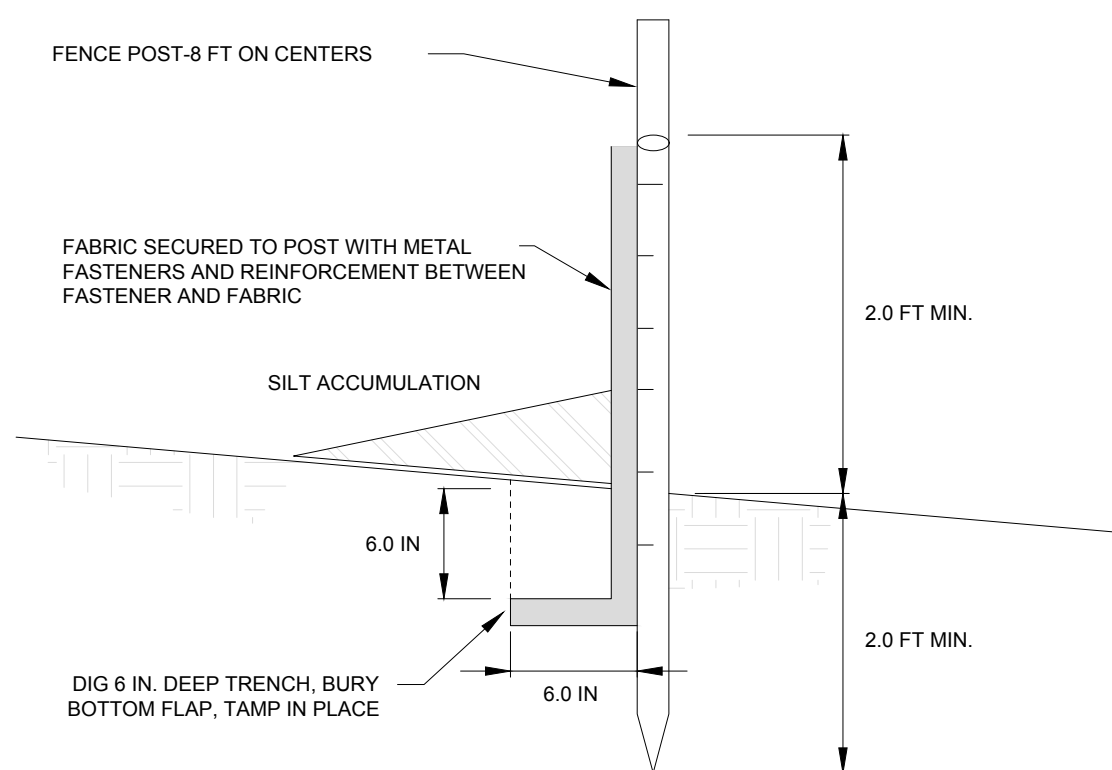


NOTE: SEE EXISTING TREE PROTECTION DURING AND AFTER CONSTRUCTION NOTE ON THIS SHEET FOR FENCE LIMITS.

1

STABILIZED CONSTRUCTION ENTRANCE

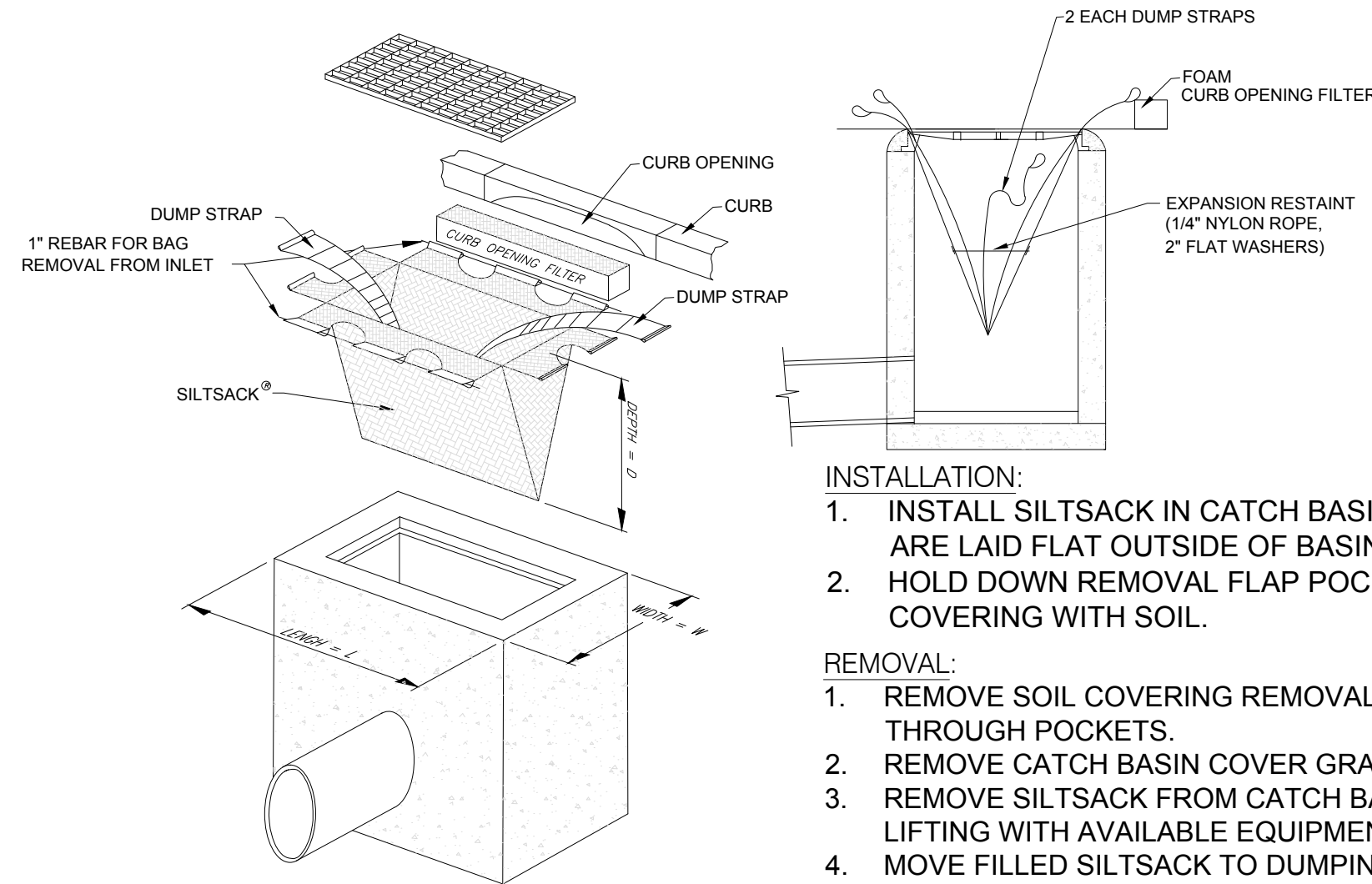
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2

SILT FENCE CONSTRUCTION & INSTALLATION

SCALE: N.T.S.



INSTALLATION:

1. INSTALL SILTSACK IN CATCH BASIN, MAKING SURE EMPTYING STRAPS ARE LAID FLAT OUTSIDE OF BASIN AND HELD IN PLACE BY DRAIN GRATE.
2. HOLD DOWN REMOVAL FLAP POCKETS AND EMPTYING STRAPS BY COVERING WITH SOIL.

REMOVAL:

1. REMOVE SOIL COVERING REMOVAL FLAP POCKETS AND INSERT REBAR THROUGH POCKETS.
2. REMOVE CATCH BASIN COVER GRATE.
3. REMOVE SILTSACK FROM CATCH BASIN BY ATTACHING TO BOTH BARS AND LIFTING WITH AVAILABLE EQUIPMENT.
4. MOVE FILLED SILTSACK TO DUMPING AREA AND SET ON GROUND.
5. REMOVE STRAPS FROM LIFTING BARS.
6. INSERT A LIFTING BAR THROUGH BOTH EMPTYING STRAPS.
7. LIFT WITH AVAILABLE EQUIPMENT WITH EMPTYING STRAPS.

3

INLET SEDIMENT CONTROL DEVICE

SCALE: N.T.S.

5

TEMPORARY TREE PROTECTION

SCALE: N.T.S.

Tom Oliveri Park Improvements

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Mark Chisvette

Mark Chisvette
Professional Engineer
NJ Lic. # 28164

Issue:

No.	Date	Remarks
1	09/15/2026	ADDENDUM #1

Sheet Title:

SOIL EROSION & SEDIMENT CONTROL DETAILS

Drawn By:

J. Restrepo

Checked By:

M. Chisvette

Date:

08/31/2026

Scale:

AS NOTED

Project Number:

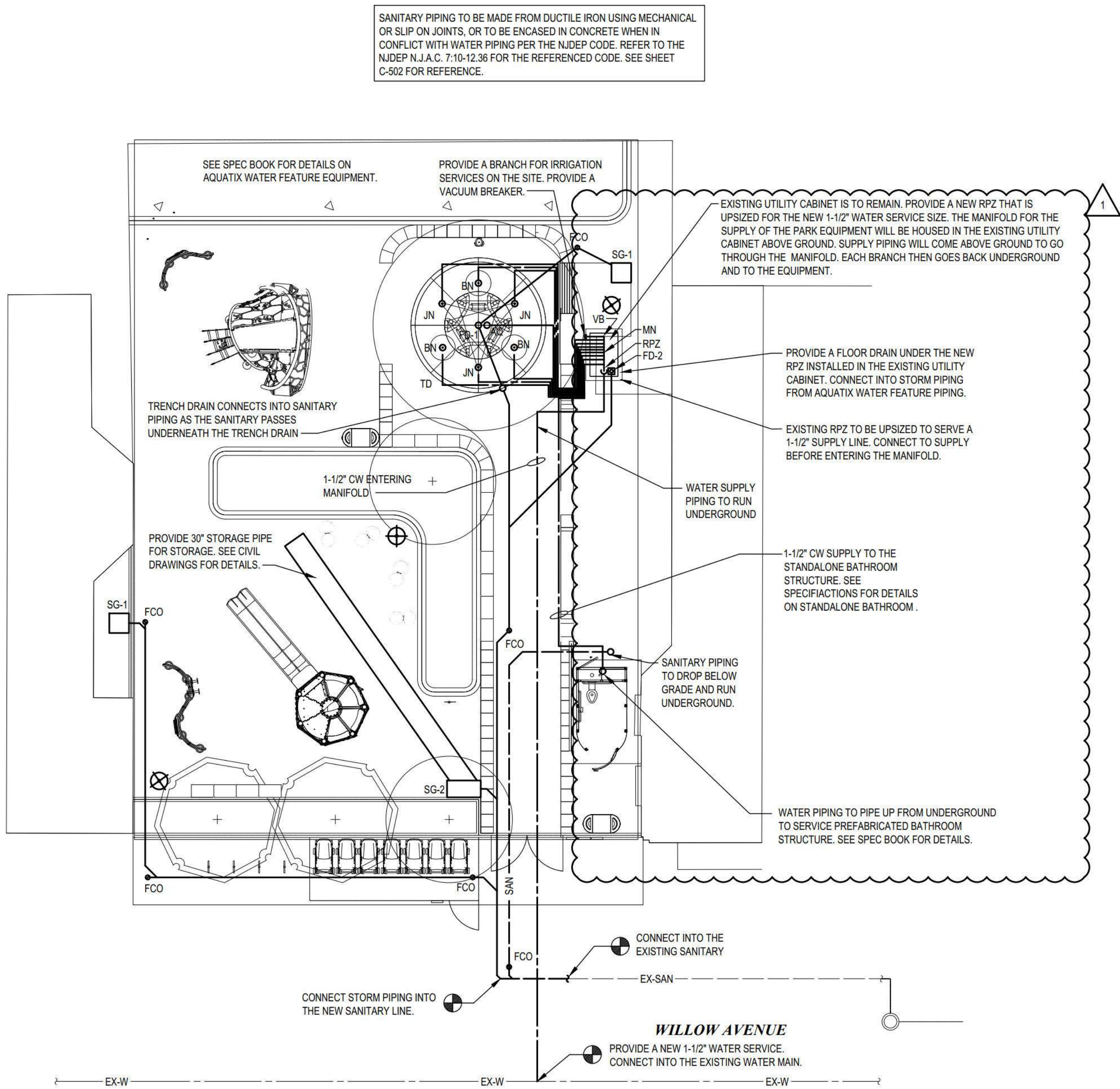
02-2024-209

Sheet:

22 of 34

C-004

9/15/2026 11:40 AM



FLOOR PLAN
SCALE: 1" = 10'

Tom Oliveri Park Improvements

Bid Documents

Client:
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Hoboken, NJ 07030
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BRIAN D. TANNENHAUS



NJ PROFESSIONAL ENGINEER
NO. GE 45801

DATE: 09/01/2026

BD
engineering

NJ CERTIFICATE OF AUTHORIZATION - 24GA28116100
BD Engineering, LLC

www.bd-engineering.com Project No. 240256

Issue:

No.	Date	Remarks
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1	09/15/2026	ADDENDUM #1
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Sheet Title:

PLUMBING PLAN

Drawn By:

QH

Checked By:

KF

Date:

08/31/2026

Scale:

AS NOTED

Project Number:

240256

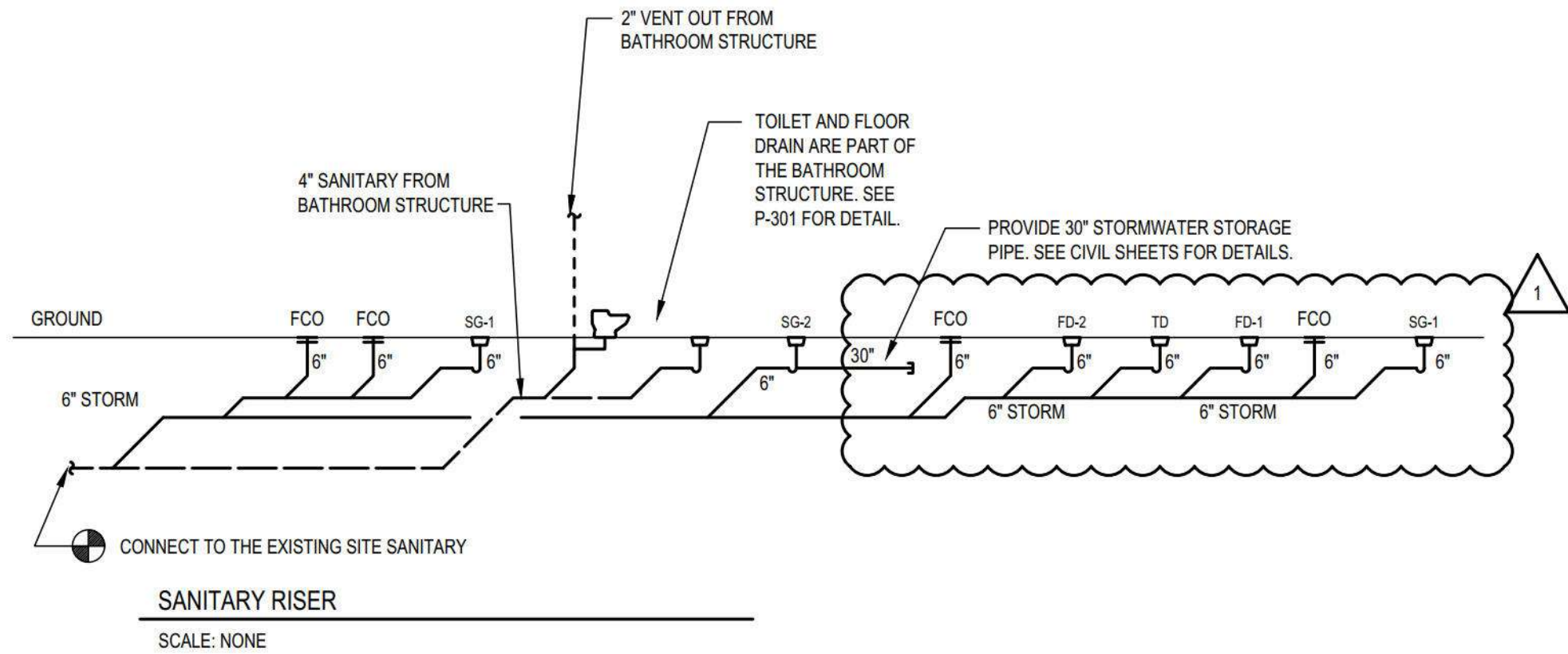
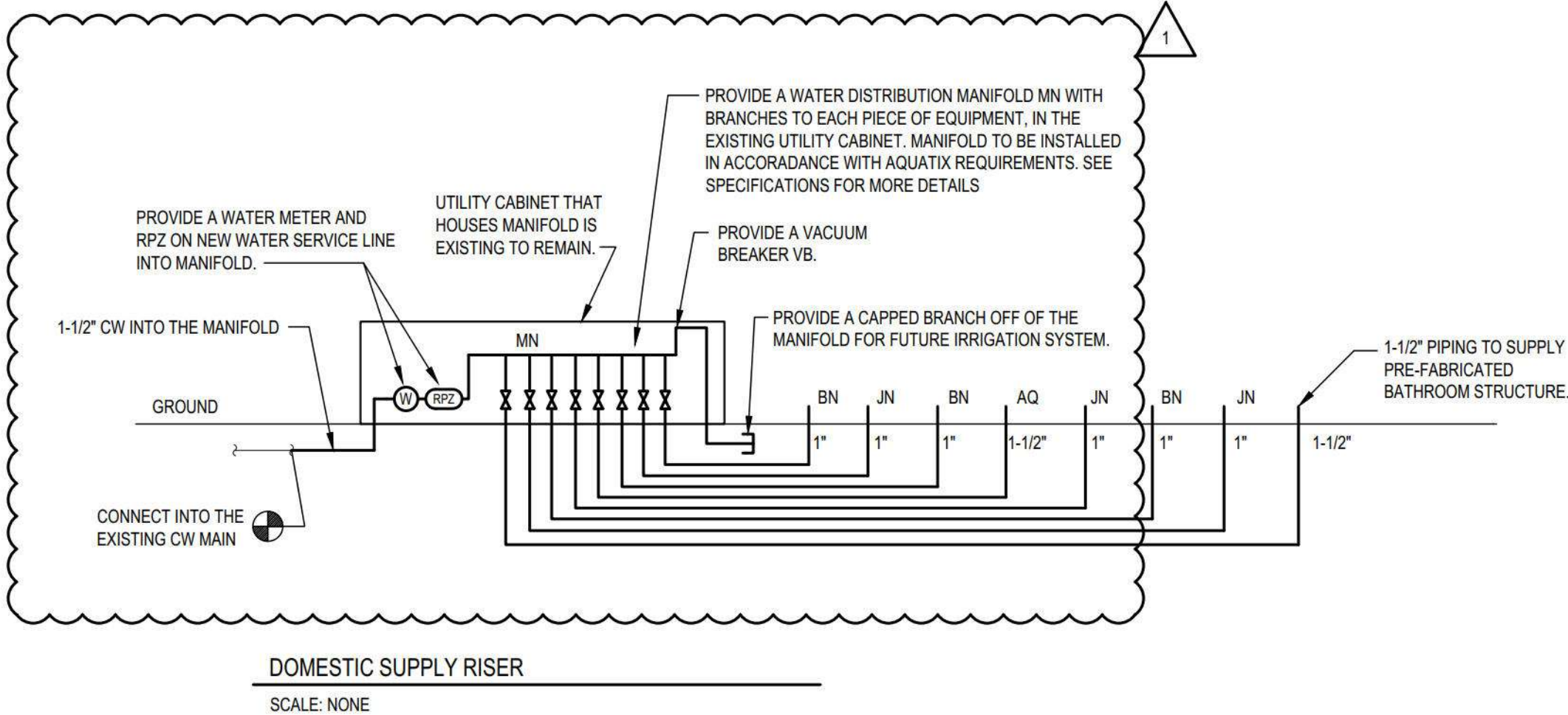
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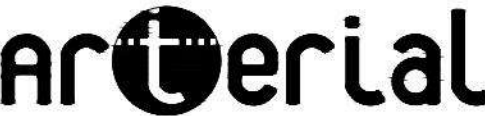
PLUMBING FIXTURE SCHEDULE											
				MISC. SECTION				PLUMBING CONNECTION SIZES			
TAG	FIXTURE	MANUFACTURER	MODEL	MOUNT TYPE	MATERIAL/COLOR	FIXTURE ACCESSORIES	CW	HW	SAN	VENT	NOTES
BN	BUBBLER NOZZLE	AQUATIX		FLOOR	STAINLESS STEEL		1"	-	-	-	
JN	JET NOZZLE	AQUATIX		FLOOR	STAINLESS STEEL		1"	-	-	-	
AQ	AQUAHEDRA	AQUATIX	AQUAHEDRA	FLOOR	STAINLESS STEEL		1-1/2"	-	-	-	
TD	TRENCH DRAIN	DURA TRENCH	DTSPR6-MDSPSSRM5V06	FLOOR	STAINLESS STEEL				6"		SEE CIVIL PLANS FOR DETAILS
FD-1	FLOOR DRAIN	SLOT DRAIN SYSTEMS	IN-FSADR-001-R1	FLOOR	STAINLESS STEEL		-	-	6"	-	SEE CIVIL PLANS FOR DETAILS
FD-2	FLOOR DRAIN	ZURN	FD-2200	FLOOR	CAST IRON		-	-	4"	-	
BS	BATHROOM STRUCTURE	MADDEN FABRICATION		FLOOR	STAINLESS STEEL		1-1/2"	-	4"	2"	
SG-1	STORM GRATE			FLOOR	CAST IRON	PRVIDE A 24" X 24" CAST IRON GRATE 2413	-	-	6"	-	SEE CIVIL PLANS FOR DETAILS
SG-2	STORM GRATE			FLOOR	CAST IRON		-	-	6"	-	SEE CIVIL PLANS FOR DETAILS
FCO	FLOOR CLEANOUT	ZURN	Z1400	FLOOR	CAST IRON		-	-	6"	-	SEE CIVIL PLANS FOR DETAILS

PLUMBING EQUIPMENT SCHEDULE								
				ELECTRICAL SECTION				NOTES
TAG	EQUIPMENT	MANUFACTURER	MODEL	VOLTAGE	PHASE	AMPS	HP	
RPZ	REDUCED PRESSURE ZONE VALVE	FEBCO	825Y SERIES					NEEDS TO BE SIZED FOR A 1-1/2" SUPPLY
VB	VACUUM BREAKER	WATTS	188A SERIES					3/4" SIZE



Client:
City of Hoboken
94 Washington Street
Hoboken, NJ 07030
Phone: (201) 420-2000

Landscape Architect + Civil Engineer



507 Bloomfield Ave., 2nd Floor
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BD Engineering

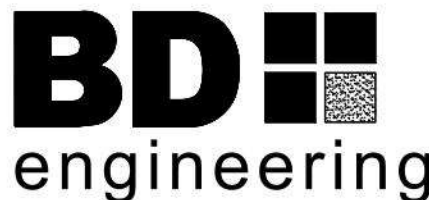
44 Main Street
Farmingdale, NJ 07727
Phone: (732) 886-5432
Email: engineers@bd-engineering.com

BRIAN D. TANNENHAUS



NJ PROFESSIONAL ENGINEER
NO. GE 45801

DATE: 09/15/2026



NJ CERTIFICATE OF AUTHORIZATION - 24GA28116100
BD Engineering, LLC

www.bd-engineering.com Project No. 240256

Issue:

No. Date Remarks

1 09/15/2026 ADDENDUM #1

Sheet Title:

PLUMBING DETAILS

Drawn By:

QH

Checked By:

KF

Date:

08/31/2026

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AS SHOWN

Project Number:

240256

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ES-188A

Job Name

Contractor

Job Location

Approval

Engineer

Contractor's P.O. No.

Approval

Representative

Series 188A
Anti-Siphon Vacuum Breaker
For Irrigation Systems

Sizes: 3/4" - 2"

Series 188As are designed to protect drinking water supplies from backsiphonage of contaminated water in accordance with national plumbing codes and water authority requirements for non-potable service applications such as irrigation, fireline, or industrial processing. Features a lightweight, durable "disc float" suitable for temperatures up to 180°F (82°C) which closes the atmospheric vent to prevent spilling under all rates of flow. Upon downstream demand, the vent disc assembly rises, sealing the atmospheric vent, allowing water to flow. A loss of supply pressure or the creation of a negative supply pressure causes the vent disc assembly to drop, opening the atmospheric vent and closing the supply side of the valve. Contains a durable silicone disc which has high heat and water hammer shock resistance and ensures tight sealing with the tightest of seating contacts.



188A

Specifications

For Anti-Siphon Vacuum Breakers

An anti-siphon vacuum breaker shall be installed where indicated on the plans to prevent the backsiphonage of contaminated water. This device is not to be used under continuous pressure or where there is a possibility that a backpressure condition may develop. The device shall meet the requirements of A.S.S.E. Standard 1001, ANSI A112.1.1 and C.S.A. B54/Watts Series 188A.

Materials

Body: Brass
Internal Trim: Bronze
Seat Disc: Silicone
Disc Float: Plastic

Approvals



Approved by the city of Los Angeles

Pressure - Temperature

Maximum Temperature: 180°F (82°C)
Maximum Working Pressure: 125psi (8.6 bar)

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

NOTICE

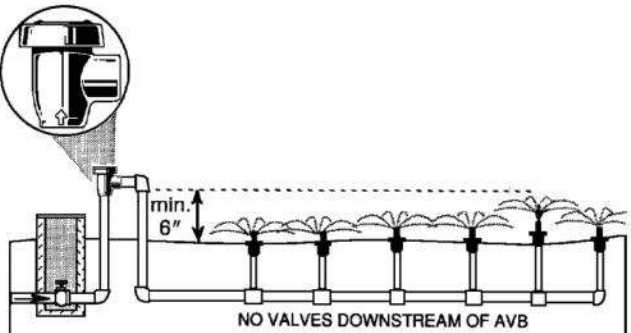
Inquire with governing authorities for local installation requirements

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

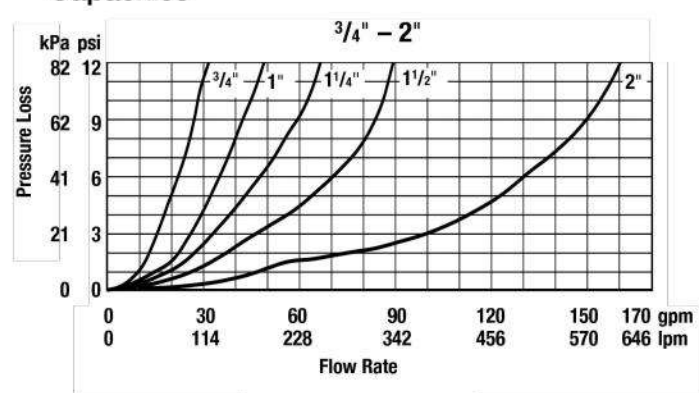


Installation

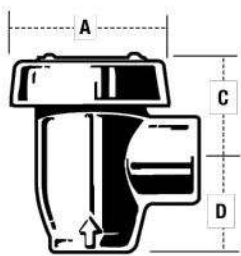
Atmospheric Vacuum Breaker must be installed 6" above the highest point of the downstream piping. There can be no shutoff valves downstream of an AVB. The AVB should not be subjected to continuous pressure for more than 12 hours per ASSE Std. 1001.



Capacities



Dimensions — Weights



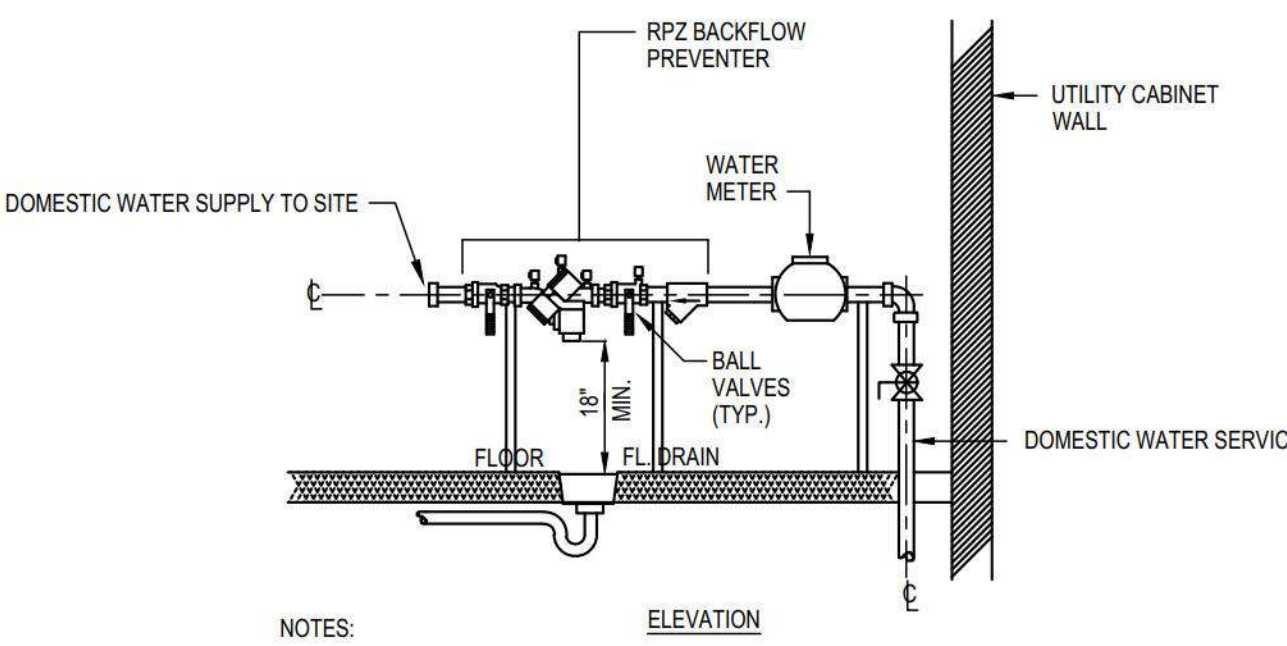
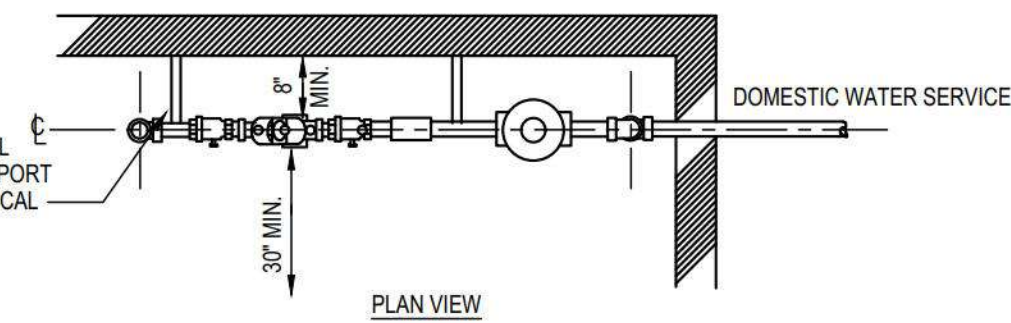
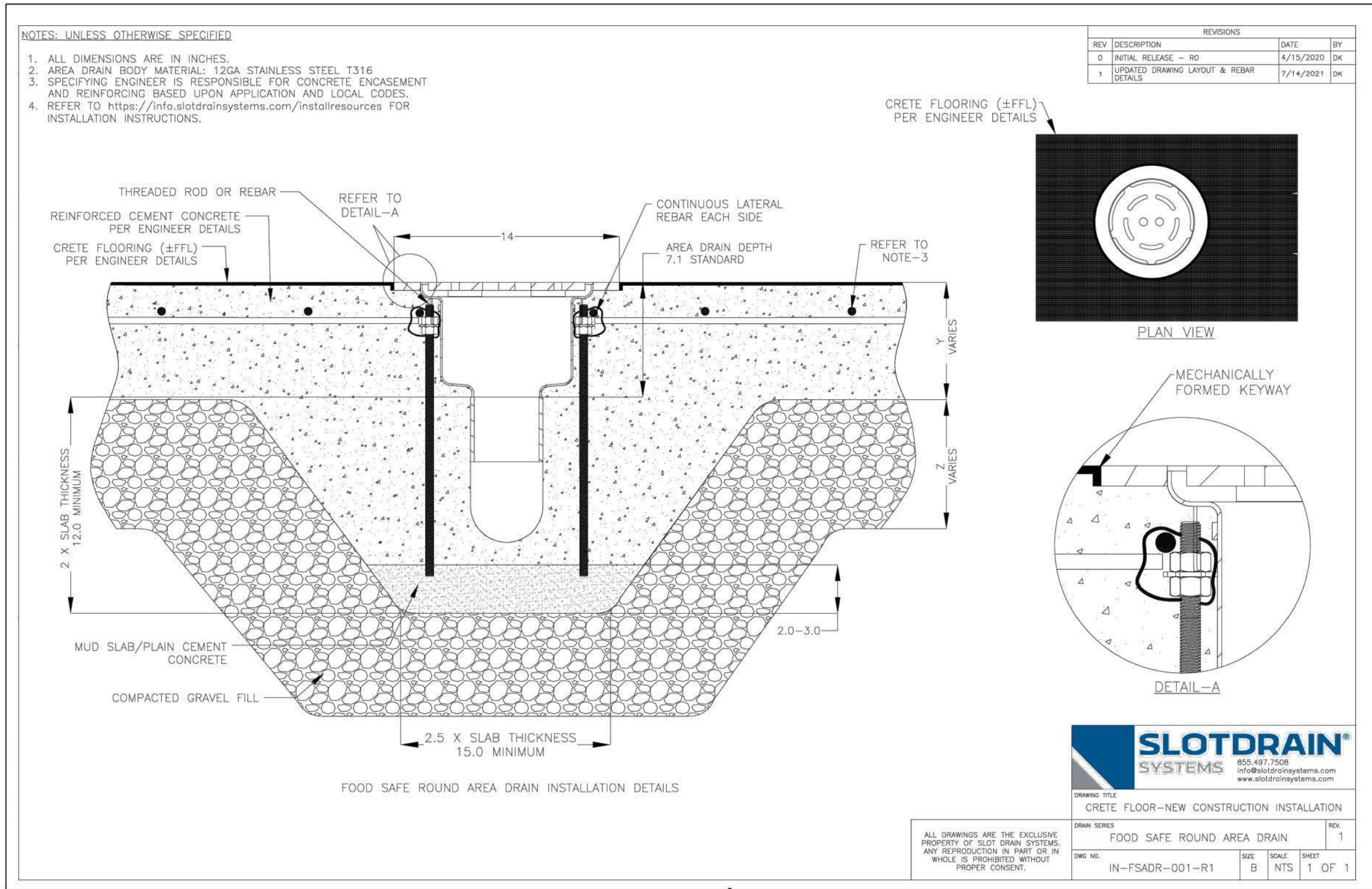
SIZE		DIMENSIONS						WEIGHT	
in.	mm	A	in.	C	mm	D	mm	lbs.	kg.
3/4"	19	2 1/2	57	1 1/2	40	1 1/2	38	1.13	.51
1"	25	2 1/2	73	2 1/2	54	1 7/8	43	1.75	.79
1 1/2"	38	2 1/2	73	2 1/2	54	1 7/8	46	2.13	.96
1 1/2"	38	2 1/2	92	2 1/2	62	2 1/4	56	3.63	1.64
2"	51	4 1/4	105	2 1/2	73	2 1/2	64	5.25	2.38



USA: T: (878) 689-6066 • F: (878) 975-8350 • Watts.com
Canada: T: (905) 332-4030 • F: (905) 332-7088 • Watts.ca
Latin America: T: (85) 91-1001-6800 • Watts.com

ES-188A 1223

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NOTES:

- ALL CONNECTIONS TO THE DOMESTIC WATER SERVICE SHALL BE DOWNSTREAM OF THE BACKFLOW PREVENTION DEVICE. BY-PASSING OF THE BACKFLOW PREVENTION DEVICE IS NOT PERMITTED AND A VIOLATION OF THE HEALTH DEPT. RULES AND REGULATIONS.
- ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE WATER CO. REGULATIONS, CITY, COUNTY AND STATE HEALTH DEPARTMENT REQUIREMENTS.
- IT IS THE OWNER'S RESPONSIBILITY TO ENGAGE A CERTIFIED BACKFLOW PREVENTION DEVICE TESTER TO TEST THE RPZ ANNUALLY WITH RESULTS REPORTED TO THE TOWN WATER AUTHORITY/DISTRICT AND THE COUNTY DEPARTMENT OF HEALTH.
- ALL POSITIVE DRAINAGE OUTLETS SHALL BE 12" MINIMUM ABOVE MAXIMUM FLOOD ELEVATION.
- THE CONTRACTOR SHALL ADEQUATELY SUPPORT THE METER, RPZ AND PIPING FROM BOTH VERTICAL AND HORIZONTAL MOVEMENT.

TYPICAL DOMESTIC WATER SERVICE DETAIL

SCALE: NONE

THESE DETAILS ARE PROVIDED FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO THE MANUFACTURERS SHOP DRAWINGS, DETAILS AND INSTALLATION INSTRUCTIONS FOR FINAL REQUIREMENTS.

Tom Olivieri Park
Improvements

Bid Documents

Client:

City of Hoboken
94 Washington Street
Hoboken, NJ 07030
Phone: (201) 420-2000

Landscape Architect + Civil Engineer

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