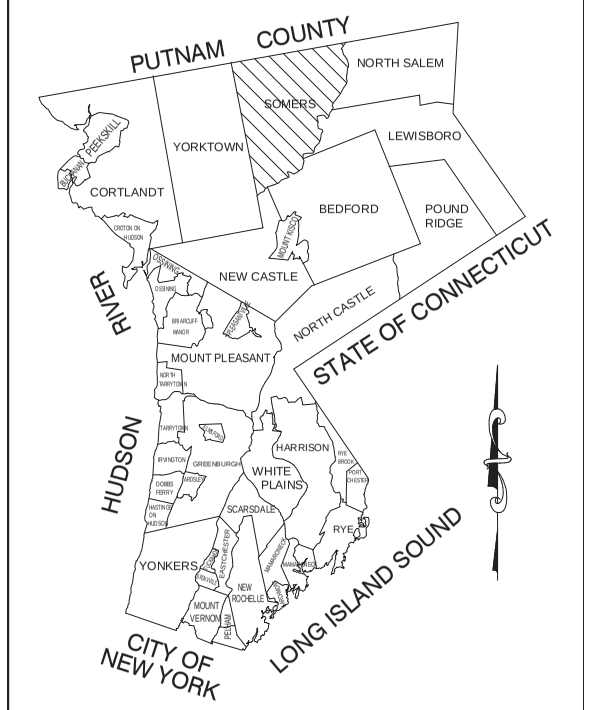


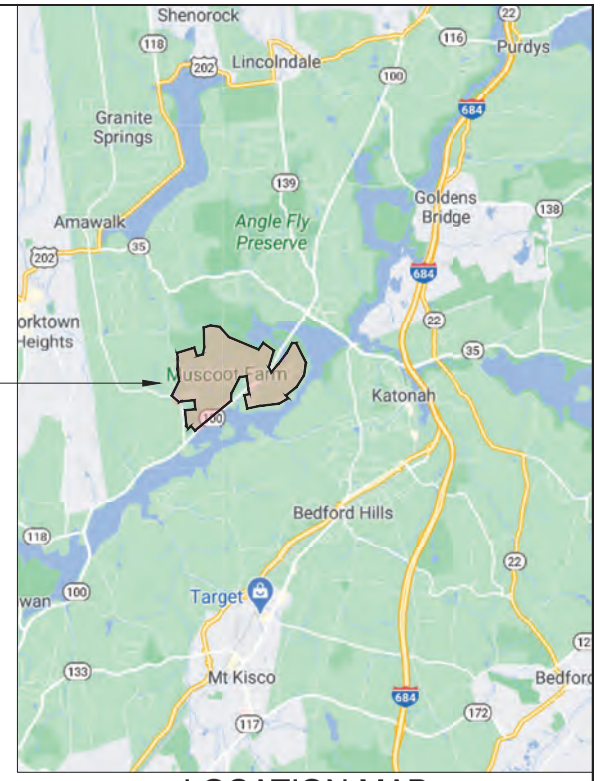
WESTCHESTER COUNTY

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WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT No. 20-536

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS ALFRED B. DELBELLO MUSCOOT FARM SOMERS, NEW YORK



LOCATION MAP
SCALE: N.T.S.

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ALL WORK DESCRIBED 0N THESE DRAWINGS, SHEET#'S 50-61 ARE INCLUDED UNDER: 'BID ITEM' 680.000000WE.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

RECOMMENDED FOR CONSTRUCTION DATE	RECOMMENDED FOR CONSTRUCTION DATE	APPROVED FOR CONSTRUCTION DATE	APPROVED FOR CONSTRUCTION DATE
ROBERT S. DONNELLY, P.E.	GAYLE M. KATZMAN, P.E.	KATHLEEN O'CONNOR	HUGH J. GREECHAN, JR., P.E.
DIRECTOR OF DESIGN COORDINATION	FIRST DEPUTY COMMISSIONER	COMMISSIONER	COMMISSIONER
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION	DEPARTMENT OF PARKS, RECREATION AND CONSERVATION	DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK
TITLE SHEET

CONTRACT NUMBER 20-536
SHEET NUMBER 1
SHEET NO. 1 OF 62
SCALE: AS SHOWN
DATE: 01/10/2022
DPW FILE NO. 91-01-T-19-0
REV. NO.

GENERAL NOTES

1) Existing base map information was derived from topographic and/ or property line surveys prepared by Paul J. Petretti, Civil Engineer & Land Surveyor, 30 Gould Avenue, Dobbs Ferry, N.Y. dated March 27, 2020. The Base map was augmented by information derived from as-built surveys of previous projects at the site and limited field investigations by Westchester County design staff.

2) Information shown on the plans is based on limited investigations made by the County for the sole purpose of its estimate of quantities, and may not indicate the true or full condition of work which will be required.

3) The contractor is responsible for examining the areas of proposed work as to the actual conditions and requirements of work prior to submitting a bid. He shall check and verify all conditions and dimensions, and any discrepancies between the drawings and field conditions shall be brought to the attention of the Engineer in writing prior to commencement of work.

4) All work shall be done and installed in compliance with all laws, rules and regulations of the local municipality and shall comply with the latest edition of the New York State fire prevention and building code, including all reference standards. All materials and equipment used in the project shall conform to and have approvals in accordance with any other public authorities or agencies having jurisdiction over the project.

5) The contractor shall be responsible for securing staging areas. Staging areas and/or haul roads within project limits or anywhere on County property must be approved by the construction administrator. The contractor shall install silt fence and/or other erosion and sedimentation control measures necessary to protect any nearby waterways from soil disturbance associated with construction staging and/or haul roads. All staging areas and haul roads shall be restored to their original condition after the project is completed. The cost for restoration shall be deemed included in the various items of the contract unless separate payment is otherwise specified in the contract.

6) The contractor must remain within the contract limits specified on the drawings. The contractor must conduct work in a manner that does not disrupt or impact the active operations of the adjacent roadway or any other adjacent properties.

7) The contractor shall provide and maintain all necessary barricades, danger signals and other safe guards, etc.., to adequately protect all workers, county employees and the public from possible injury. If necessary, temporary protection such as chain link or snow fence boundary and construction signs shall be installed to prevent unauthorized access to the project site. The contractor shall be responsible for all accidents or damages to persons or property (including any vandalism) resulting from unauthorized access to the site for the duration of the project. Unless otherwise specified in the contract, the cost of such protection shall be deemed included in the various items of the contract. No Direct Payment.

8) Access to all adjoining facilities shall be maintained at all times where reasonably possible. The construction administrator must be notified in advance of any temporary driveway closures. During any operation that requires an extended closure, contractor shall provide means of ingress and egress, such as temporary pavement. Any construction must be cleared off and removed from the roadway at the end of each work day.

9) The contractor shall protect all existing vegetation intended to remain including but not limited to trees, shrubs, ground covers, turf, etc..,. Every attempt shall be made to protect and save the vegetation that is near and, in the opinion of the construction administrator, in danger of being impacted by the construction. Any existing vegetation intended to remain that are disturbed and/or damaged by the contractor shall be replaced and/or restored by the contractor to the satisfaction of the construction administrator at no expense to the County.

10) All pay items shown on Plans refer to the latest version of the New York State Department of Transportation Standard Specifications for construction and materials and all addenda thereto, excluding pay items that begin with a "W" which are Westchester County Special Specifications (see specification book for descriptions).

11) Any reference to metric units shall be replaced by the equivalent English units.

12) Contractor must contact the proper bureaus and the various owning companies at least 72 hours before doing any work in accordance with the New York State Code Rule 753, in relation to construction, excavation, sign and guide rail post driving, and demolition operations at or near underground facilities.

SITE PREPARATION AND REMOVALS NOTES

1) The contractor shall comply with all applicable codes and regulations governing the work. The contractor shall coordinate demolition with applicable agencies, utility companies and/or subcontractors.

2) Unless otherwise noted, all existing sewers, gas, water, electric utility lines and related structures within the contract area shall remain. All storm drainage pipes to be removed are noted on the contract drawings. If abandoned pipes are encountered during excavations, remove pipe in area of excavation and plug pipe at end of excavation. Cost to be included under respective excavation item.

3) Unless otherwise noted, all existing pavements, perimeter curbs, fencing, structures and plant material are to remain. The contractor shall exercise care during construction to avoid disturbing or damaging any existing above grade or subgrade structures, concrete curbs, pavements, perimeter fencing, plant materials which are intended to remain. Any damage resulting from this work shall be restored by the contractor to the satisfaction of the construction administrator at no expense to the County.

4) Where new construction abuts existing pavements, curbs or walls, the existing materials shall be cleanly sawcut to provide a clean neat match and a smooth, flush transition, as directed by the construction administrator. All sawcutting shall be done to neat and straight accurate lines.

5) All footings and other below grade structures to be abandoned or removed shall be excavated to a depth of 4'-0" below finished grade and backfilled with approved suitable material.

6) All refuse and debris derived from demolition operations as specified in the contract drawings or as otherwise generated by the construction of this contract shall become the property of the contractor. The contractor shall provide for the legal removal and disposition of all construction refuse and debris, off site. Upon completion, the contractor shall leave the site free and clear of all refuse and debris, and in a broom swept condition.

7) Unless otherwise specified in the contract, removal of all pavements, concrete curbs and concrete piers are to be paid for under unclassified excavation and disposal, Item # 203.02.

8) Unless otherwise specified in the contract, removal of all trees, vegetation, fences, gates, logs and timber structures are to be paid for under clearing and grubbing, Item # 201.06. Removal of fallen trees (trees not standing) and logs of any size and caliper shall also be paid for under clearing and grubbing, Item # 201.06.

9) The contractor shall take extreme care to protect all existing trees to remain and their root systems. Bulk material, equipment or vehicles shall not be stockpiled or parked within the drip line of trees. Any excavation within drip lines shall be kept to a minimum and must be completed by hand only in the presence of the construction administrator at no additional cost to the County. The contractor shall assume responsibility for any remedial work such as root and top pruning required or necessary to prevent loss of plant material. All corrective work shall be according to standard acceptable horticultural practices and as directed by the construction administrator.

10) Unless otherwise noted, the limits of "Clearing and Grubbing" shall be the contract limit line indicated on the drawings.

11) Clearing and Grubbing limits are shown on the drawings. Any additional clearing and grubbing required to complete the work shall be deemed included in the payment item. No extra payment.

MATERIAL NOTES

1) All new work shall meet existing conditions neatly and smoothly.

2) All exposed finished surfaces shall be treated, cleaned, vacuumed or polished in accordance with the manufacturer's recommendations.

3) All adjacent surfaces are to be protected from painting, asphalting, installing concrete pavements or any other types of surface treatments that can cause stains or damage. Any stains or damages to adjacent surfaces shall be restored, repaired or replaced at the contractor's expense to the satisfaction of the construction administrator.

4) The contractor shall exercise care during excavation to avoid disturbing any adjacent or underground existing utility lines. Any damage resulting from this construction shall be the contractor's responsibility and shall be restored to the satisfaction of the construction administrator.

MATERIAL NOTES (Cont)

5) The plans show above-ground structures and/or utilities believed to exist within the project limits. The contractor is warned that the exact or even approximate location of pipeline, subsurface structures and/or utilities believed to exist in the project area are not warranted to be accurate.

6) It is incumbent upon the contractor to verify/locate all utilities within the project area prior to commencing work. Unless separate payment is otherwise provided for in the contract, all costs associated with marking/locating underground utilities including, but not limited to hiring a utility tracing company, shall be deemed included in the various items of the contract. No Direct Payment.

GRADING AND UTILITY NOTES

1) The locations of all utilities are diagrammatic. Where new utilities are to cross or connect to existing utilities, the contractor shall make preliminary investigations including but not limited to all necessary excavation to determine if the work can be completed as shown. Any changes required by field conditions shall be approved by the construction administrator prior to commencement of work.

2) All pavement shall be installed to smooth even grade with no patching or irregularities. New pavement shall meet existing pavement flush and evenly.

3) All finished surfaces shall be true to grade and even, free of roller marks and free of low spots where water will puddle. The contractor shall perform a water test on the finished surfaces by applying sufficient water on all new surfaces to test the drainage patterns, as directed by the construction administrator.

4) The contractor shall prevent against low spots where water can collect, as well as any possible re-direction of runoff onto private property and shall take whatever corrective measures are necessary. The contractor shall be responsible to correct any deleterious water ponding areas at no expense to the County.

5) Location of catch basins, drop inlets, surface drains, manholes and dry wells (where shown in plans) are diagrammatic only. The construction administrator may direct the contractor to shift the location of a drainage structure or adjust grading to provide positive drainage or to avoid significant tree roots.

6) The contractor shall keep all roadways and access drives used for hauling of materials and equipment free from soil and debris. The contractor shall be responsible for any damage and/or spills caused by his operations and shall be required to make repairs and/or cleanup debris including but not limited to street sweeping at no expense to the County.

7) Minimum cover of pipes shall be 2'-0" from finished grade to top of pipe, except where noted otherwise.

8) All drainage pipes shall be pitched at 1% minimum except where noted otherwise.

9) There shall be no discharge of runoff or other effluent over or through any bulkhead or shoreline stabilization structure or into any tidal wetland, stream or adjacent area.

LAYOUT NOTES

1) Written dimensions shall prevail.

2) All wood and metal dimensions are nominal unless otherwise specified.

3) All angles are 90 degrees unless otherwise specified.

4) All dimensions pertaining to layout of curbs and/or walls are from face of curb/wall unless otherwise specified.

5) Locations of all existing trees shall be verified in the field.

6) Changes shall not be made to the design or layout without prior approval of the Design Engineer or Landscape Architect.

7) Any new paths, drives or roads shall be constructed to have smooth curves with indistinguishable tangents. It is the design intent to have long smooth sinuous "s" curves. All transitions between straight sections and curves shall be gentle and smooth.

8) The Design Engineer or Landscape Architect and/or the construction administrator reserve the right to check any and all lines, grades and measurements of the work staked out by the contractor for their approval prior to allowing the contractor proceed with construction.

LAYOUT NOTES (Cont.)

9) The Design Engineer or Landscape Architect and/or construction administrator reserve the right to make minor modifications to the design or layout of the work as needed.

PLANTING NOTES

1) Any plant substitutions must be approved by the Landscape Architect prior to delivery.

2) Concrete or leachate shall not be allowed to escape or be discharged, nor shall washings from transit mix trucks, mixers, or other devices be allowed to enter wetlands and/or other natural areas of the site.

3) The contractor shall be responsible for the protection and maintenance of all new plantings including but not limited to all trees, shrubs, ground covers, perennials, annuals, turf establishment, and the establishment of wildflower and native seed mixes until the completion of the whole of this contract and final acceptance by the County. The cost of such protection and maintenance shall be deemed included in the bid price for the respective planting items.

4) Unless otherwise noted, all new plant material shall be warranteed for a period of one year from date of final acceptance.

5) The contractor shall stake out the location of all new plant material and/or position the plant material in its designed location for review by the landscape architect prior to planting. Contractor to provide Landscape Architect two days notice prior to planting operations.

6) All tree/shrub groupings shall be completely encompassed within one large mulch bed at each plant grouping location. The landscape architect will review bed shapes in the field prior to plant installation upon notification by the contractor. The mulch bed shall typically extend minimally 2'-0" past the drip zone of the tree/shrub groupings.

7) All trees, shrubs, groundcovers, perennials and annuals shall receive mycorrhizal fungi innoculant and slow release fertilizer tablets (see specs. for amount and types). This is included in the price per each plant.

8) All deciduous trees shall also recieve irrigation bags as defined in the specs. This is included in the price per each tree.

ENVIRONMENTAL SOIL NOTES

1) The Contractor is informed that a subsurface soil investigation was conducted for the project site. A copy of the Waste Characterization Report is included in the contract documents.

2) Analytic testing data from the soil sampling indicates the presence of VOC's, SVOC's and Metals at non-hazardous levels. These areas are denoted as "Contaminated Soil Areas" on the contract drawings.

3) In accordance with current NYSDEC Part 360.13c Solid Waste Regulations, soil excavated from the contaminated soil areas as shown on the contract drawings is environmentally suitable for re-use within the project limits.

4) Any surplus soil generated from excavations within areas denoted as "Contaminated Soil Areas" shall be segregated from other excavated soils and stockpiled for re-use elsewhere on the site. Excavation to be paid for under Item#'s 203.02 or 206.0201. Segregation and storage to be paid for under Item# 205.02.

5) Soils excavated from areas denoted as "Contaminated Soil Areas" shall be placed elsewhere within the Muscoot Farm Property as embankment, fill, or other appropriate on-site uses as determined and approved by the Engineer to be paid for under Item# 205.06 "Reuse of contaminated soil.

6) All other surplus excavated materials and/or soils that are not located within areas denoted as "Contaminated Soil Areas" shall become the contractors property for disposal and shall be disposed of in accordance with Item#'s 203.02 or 206.0201.

STAGING/PHASING NOTES

1) The site is currently being operated as recreational park facility and is open to the public during normal business hours and on weekends. OPERATION AND USE OF THIS FACILITY WILL REMAIN OPEN DURING CONSTRUCTION. The project will be constructed in stages to allow for continued operation and use of the site by park patrons and County staff while other portions of the site are being constructed. The contractor shall be required to maintain and protect pedestrian and vehicular traffic, as well as work with County staff to ensure safe operation and access to parking.

2) The contractor shall be required to submit a phasing plan and construction schedule prior to the preconstruction meeting for review and approval by the County . No work shall be performed prior to the approval of the schedule and phasing plan.

ITEM LIST

Item #	Description	Unit Words	QUAN
201.070000WE	Clearing and Grubbing	Sqare Yard	10,000
202.130100WE	Small Structure Removals - Posts & Bollards	Each	15
202.130200WE	Remove Reinforced Concrete and other Masonry	Cubic Yard	42
203.02	Unclassified Excavation and Disposal	Cubic Yard	6,000
203.03	Embankment in Place	Cubic Yard	20
203.07	Select Granular Fill	Cubic Yard	160
203.25	Sand Backfill	Cubic Yard	40
205.02	Segregation and Storage of Contaminated Soil	Lump Sum	1
205.06	Reuse of Contaminated Soil	Cubic Yards	2,000
206.010100WE	Rock Excavation	Cubic Yard	25
206.0201	Trench & Culvert Excavation	Cubic Yard	2,575
206.050100WE	Special Care Excavation	Cubic Yard	10
207.21	Geotextile Separation	Square Yard	14,202
209.13	Silt Fence -Temporary	Linear Foot	2,110
209.190201	Rolled Erosion Control Product, Class II Type B Intermediate	Square Yard	960
209.22	Construction Entrance/Exit	Square Yard	155
209.2301	Sediment Filter Log, 12"	Each	2
304.12	Subbase Course, Type 2	Cubic Yard	50
304.14	Subbase Course, Type 4	Cubic Yard	335
420.01190201	Binder Course Porous Asphalt Pavement F9	Tons	1,160
420.10130201	Top Course Porous Asphalt Pavement With Mineral Fiber F	Tons	575
503.1010	PCC Foundation for Pavement, Class C	Cubic yard	20
555.0104	Footing Concrete, Class A	Cubic Yard	20
555.0105	Concrete for Structures, Class A	Cubic Yard	28
556.0202	Epoxy-Coated Bar Reinforcement for Structures	Pound	5,700
560.030000WE	Brick Masonry	Square Foot	100
560.0401	Stone Masonry	Square Foot	40
560.06	Rubble Stone Masonry Laid Dry	Cubic Foot	3,310
560.07	Precast Concrete Coping	Linear Foot	36
603.171016	Galvanized steel end sections-pipe (2-2/3" x 1/2"corrugat	Each	2
603.940001WE	Forcemain 2" Diameter	Linear Foot	150
603.940002WE	Forcemain 1.25" Diameter	Linear Foot	1,000
603.98040007	M-Polyvinyl Chloride (PVC) Sewer Pipe And Fittings, 4" Ni	Linear Foot	370
603.98060007	M-Polyvinyl Chloride (PVC) Sewer Pipe And Fittings, 6" Ni	Linear Foot	400
603.9812	Smooth interior Corrugated Polyethylene Culvert & Storm	Linear Foot	220
603.9824	Smooth interior Corrugated Polyethylene Culvert & Storm	Linear Foot	800
604.020036WE	Catch Basins - 35"x36"	Linear Foot	15
604.020048WE	Catch Basins - 48"x48"	Linear Foot	24
604.040000WE	Manholes	Linear Foot	46
604.066000WE	Trench Drain	Linear Foot	16
604.070000WE	Altering Catch Basins, Manholes, Field Inlets and Drop Inle	Each	3
604.100300WE	Prefabricated Adjustment Rings for Manholes	Each	20
604.120000WE	Precast Outlet Control Structure	Linear Foot	14
604.130000WE	Distribution Boxes	Each	2
604.92010009	Install Septic Tank	Each	2
605.1501	Perforated Corrugated Polyethylene Underdrain Tubing, 4"	Linear Foot	15
605.1502	Perforated Corrugated Polyethylene Underdrain Tubing, 6"	Linear Foot	600
605.1601	Perforated Polyvinyl Chloride Underdrain Pipe, 4" Dia	Linear Foot	1,500
605.16020008	Non-Perforated PVC 6" Dia. Pipe	Linear Foot	166
605.1603	Perforated Polyvinyl Chloride Underdrain Pipe, 6" Dia.	Linear Foot	125
605.190100WE	Aluminum Gutter	Linear Foot	236
605.190200WE	Aluminum Downspout	Linear Foot	72
607.190100WE	Woven Wire Fence - Wood and Steel Post	Linear Foot	6,560
607.190200WE	Woven Wire Fence - Wood Post With Wood Rail	Linear Foot	2,000
607.401008WE	Field Gate & Timber Posts - 8' Width	Each	2
607.401010WE	Field Gate & Timber Posts - 10' Width	Each	12
607.860000WE	Temporary Snow Fence Boundary	Linear Foot	1,850
607.980100WE	Remove and Dispose of Existing Fence	Linear Foot	10,500
608.0101	Concrete Sidewalks and Driveways	Cubic Yard	5
608.020102	Hot Mix Asphalt (HMA) Sidewalks, Driveways, Bicycle Pa	Tons	527
608.040010WE	Remove, Store and Reset Brick Pavers on Mortar Setting	Square Yard	140
609.04	Cast-In-Place Concrete Curb (As Detailed)	Linear Foot	450
609.151000WE	Steel Edging	Linear Foot	700
610.020301WE	Establish FACW Wetland Meadow Mix (ERNMX-122)	Square Yard	1,200
610.020302WE	Establish Retention Basin Floor Mix (ERNMX-126)	Square Yard	50
610.020303WE	Establish Pasture Grass Mix (ERNMX-121)	Square Yard	2,400
610.1101	Mulch for Planting Type A, B & D - Wood Chips and Shred	Cubic Yard	16
610.1403	Topsoil-Lawns	Cubic Yard	630
610.1404	Topsoil-Special Planting Mix	Cubic Yard	85
610.1602	Turf Establishment-Lawns	Square Yard	5,550
611.0211	Planting - Minor Deciduous Trees - Size as Specified	Each	6
611.0381	Planting - Coniferous Trees – 8 foot height	Each	15
611.0452	Planting - Deciduous Shrubs – 3 foot Height/Spread	Each	22
611.190100WE	Plant Establishment	Lump Sum	1
614.060304	Tree Removal Over 12" to 18" at Breast Height	Each	2
614.060404	Tree Removal Over 18" to 24" at Breast Height	Each	1
614.060504	Tree Removal Over 24" to 36" at Breast Height	Each	2
619.01	Basic Work Zone Traffic Control	Lump Sum	1
620.03	Stone Filling (Light)	Cubic Yard	5
620.04	Stone Filling (Medium)	Cubic Yard	15
620.290100WE	Native Boulders	Cubic Yard	20
623.100100WE	Stabilized Stone Screenings Path	Cubic Yard	20
623.12	Crushed Stone (In-Place Measure)	Cubic Yard	4,360
623.12010004	Crushed Aggregate For Underdrain	Cubic Yard	184
625.01	Survey Operations	Lump Sum	1
640.050200WE	Blue Epoxy Reflectorized Pavement Stripes	Linear Foot	500
640.060200WE	Blue Epoxy Reflectorized Pavement Symbols	Each	6
645.5101	Ground-Mounted Sign Panels Without Z-Bars	Square Foot	35
645.5201	Ground-Mounted Sign Panels without Z-bars, High-Visibil	Square Foot	20
645.81	Type A Sign Posts	Each	15
655.120100WE	Frames, Grates & Covers - Catch Basin Frame and Grate	Each	7
655.120200WE	Frames, Grates & Covers - Manhole Frame and Cover	Each	7
655.120300WE	Frames, Grates & Covers - Outlet Control Structure Frame	Each	2
655.120400WE	Frames, Grates & Covers - Cleanout Frame and Grate	Each	8
663.14010001	Freeze Proof Hydrant, Type 1	Each	1
663.46000000	Remove and Store Existing Hydrant	Each	1
664.01001WE	Dosing Pump Station and Valve Vault	Lump Sum	1
664.01002WE	Individual Pump Stations	Lump Sum	1
670.2302	Galvanized Steel Plastic Coated Conduit, 3/4"	Linear Foot	3,000
670.2304	Galvanized Steel Plastic Coated Conduit, 1 1/4"	Linear Foot	2,000
670.2306	Galvanized Steel Plastic Coated Conduit, 2"	Linear Foot	2,000
670.2308	Galvanized Steel Plastic Coated Conduit, 3"	Linear Foot	140
670.3001	Pullboxes Less Than 5 Cubic Feet, inside Volume (Lightin	Each	7
680.00000WE	Public Restroom Facilities	Lump Sum	1
685.11	White Epoxy Reflectorized Pavement Stripes - 20 Mils	Linear Foot	2,125
685.14	White Epoxy Reflectorized Pavement Symbols - 20 Mils	Each	10
698.04	Asphalt Price Adjustment	Lump Sum	1
699.020001WE	Mobilization (Not to Exceed 2%)	Lump Sum	1
699.040002WE	Contract Bonds and Insurance (Not to Exceed 3%)	Lump Sum	1
W800	Miscellaneous Additional Work	Lump Sum	1
W851	Testing of Materials & Field Testing Equipment	Lump Sum	1

LEGEND

EXISTING LEGEND

- Manhole
- Sewer Manhole
- Drain Manhole
- Catch Basin
- Hedge or Treeline
- Tree
- Light Pole
- Electric Manhole
- Guy Pole
- Utility Pole
- Telephone Manhole
- Gas Valve
- Water Valve
- Water Meter
- Yard Hydrant
- Sign
- Metal Cover
- Boulder
- Pathway
- Property Line
- Easement

PROPOSED LEGEND

- EXISTING CURB TO BE REMOVED
- EXISTING PAVEMENT TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- REMOVE EXISTING SITE FEATURE
- CURB
- TREE
- SHRUB
- CATCH BASIN
- MANHOLE
- FULL DEPTH ASPHALT PAV'T FOR ROADS (2/31)
- POROUS ASPHALT PAV'T FOR PARKING LOTS (6/31)
- STABILIZED STONE SCREENINGS PAV'T (5/31)
- GRAVEL PATHWAY PAVEMENT (1/31)
- 5" CONCRETE SIDEWALK PAV'T (5/31)
- BRICK PAVERS ON CONCRETE PAV'T (4/31)
- 4" TOPSOIL & ESTABLISH TURF. SEE SPEC.
- 4" TOPSOIL & ESTABLISH SEED MIX. SEE SPEC. "PG" Pasture Grass Mix "WM" Wetland Meadow Mix
- CONTAMINATED SOIL AREAS
- BARRIER RAIL OR FENCE
- LIMIT SNOW FENCE (4/37)
- LIMIT SILT FENCE (1/36)
- LIMIT CLEARING AND GRUBBING
- LIMIT SAWCUT PAVEMENT/CURB
- LIMIT EROSION CONTROL BLANKET (7/37)

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

NOTE:
Also refer to other sheet specific legends on other sheets.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

NOTES & ITEM LIST

CONTRACT NUMBER 20-536
SHEET NUMBER 2
SHEET NO. 2 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-20-0
REV. NO.



IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GENERAL PLAN

CONTRACT NUMBER	SHEET NUMBER
20-536	3

SHEET NO. 3 OF 62
SCALE: 1" = 20'-0"
DATE: 12/20/2022
DPW FILE NO. 91-01-G-21-0
REV. NO.

MATCHLINE 'A'

CONTAMINATED SOIL AREA
ALL EXCAVATED SOILS WITHIN THIS AREA ARE TO REMAIN ON SITE FOR REUSE ELSEWHERE WITHIN THE MUSCOOT FARM PROPERTY. SEE ENVIRONMENTAL SOIL NOTES ON SHEET # 2 "NOTES AND ITEM LIST"

TREE PROTECTION FENCING (TYP) (4/37) ITEM# W607.86

SILT FENCE (TYP) (1/36) ITEM#209.13

REMOVE TREE ITEM 614.060504

EX. SEPTIC TANK RIM

MAIN HOUSE
FIRST FLOOR=227.35

MAIN HOUSE WALKWAY
PLANS SEE SHEET # 19

SILT FENCE (TYP) (1/36) ITEM#209.13

SALVAGE EXISTING STONES FOR RECONSTRUCTION OF EXISTING STONE WALL UNDER ITEM # 560.06

CONSTRUCTION ENTRANCE (4/36)

SOMERSTOWN TURNPIKE ROUTE 100 STATE HIGHWAY 9024

PARK SIGN

WOOD RAIL FENCE

HARD PACKED SOIL WALK

OUT HOUSE

GRAPE ARBOR

PARK ENTRANCE BUILDING

EXISTING 2,000 GALLON UNDER GROUND CONCRETE FUEL OIL STORAGE TANK AS PER RECORD PLAN

EXISTING 1,000 GALLONS CONCRETE SEPTIC TANK

EXISTING SEPTIC FIELD (AS PER RECORD PLAN)

UNDER GROUND ELECTRIC LINE

LOW CURB WALL

WELL

FLAG POLE

FIRE ALARM & COMMUNICATION BOX

FIRE ALARM BOX

CONCRETE PAD

24" RCP DRAIN LINE

MATCHLINE 'B'

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
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DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SITE PREPARATION AND REMOVAL PLANS - I

CONTRACT NUMBER	SHEET NUMBER
20-536	4

SHEET NO. 4 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-22-0
REV. NO.

MATCHLINE 'C'

MATCHLINE 'B'

CONTAMINATED SOIL AREA
ALL EXCAVATED SOILS WITHIN THIS AREA ARE TO REMAIN ON SITE FOR REUSE ELSEWHERE WITHIN THE MUSCOOT FARM PROPERTY SEE ENVIRONMENTAL SOIL NOTES ON SHEET #2 "NOTES AND ITEM LIST"

CONTAMINATED SOIL AREA
ALL EXCAVATED SOILS WITHIN THIS AREA ARE TO REMAIN ON SITE FOR REUSE ELSEWHERE WITHIN THE MUSCOOT FARM PROPERTY. SEE ENVIRONMENTAL SOIL NOTES ON SHEET #2 "NOTES AND ITEM LIST"

EXISTING CONC. PAD TO REMAIN. PROTECT AND PRESERVE

CLEAR AND GRUB EXIST. VEGETATION ITEM# 201.070000WE

TREE PROTECTION FENCING (TYP.) ITEM# 607.860000WE (1/37)

REMOVE TREE ITEM 614.060504

REMOVE TREE ITEM 614.060404

SILT FENCE (TYP) ITEM# 209.13 (1/36)

SILT FENCE (TYP) ITEM# 209.13 (1/36)

CONSTRUCTION ENTRANCE (4/36)

INLET PROTECTION (2/36)

ICE HOUSE

CHICKEN HOUSE

CHICKEN YARD

BROODER HOUSE

BLACKSMITH SHOP

OUT BUILDING

OPEN GARDEN AREA

MAINTENANCE BUILDING

500 GALLON UNDERGROUND FUEL OIL STORAGE TANK AS PER RECORD PLAN

EXISTING 1,000 GALLONS GASOLINE UNDERGROUND STORAGE TANK

EXISTING 500 GALLONS UNDERGROUND DIESEL FUEL OIL STORAGE TANK

GAS PUMP

UNDERGROUND GASOLINE AND DIESEL FUEL OIL STORAGE TANKS

MAINTENANCE BARN

STOCKPILE

HARD PACKED SOIL ROADWAY

HARD PACKED SOIL PARKING AREA

COMMUNICATION/DATA AND FIRE ALARM

TRANSFORMER

UNDER GROUND ELECTRIC LINE

SEPTIC FIELD (RECORD PLAN)

SOMERSTOWN TURNPIKE ROUTE 100 STATE HIGHWAY 9024

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

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PROJECT COORDINATOR
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WESTCHESTER COUNTY, NEW YORK
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INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SITE PREPARATION AND REMOVAL PLANS - II

CONTRACT NUMBER	SHEET NUMBER
20-536	5

SHEET NO. 5 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-23-0
REV. NO.

MATCHLINE 'D'

MATCHLINE 'E'

MATCHLINE 'A'

REMOVE TREE
ITEM 614.060304

CONTAMINATED SOIL AREA
ALL EXCAVATED SOILS WITHIN THIS AREA ARE TO REMAIN ON SITE FOR REUSE ELSEWHERE WITHIN THE MUSCOOT FARM PROPERTY. SEE ENVIRONMENTAL SOIL NOTES ON SHEET # 2 "NOTES AND ITEM LIST"

REMOVE (12) EXISTING WOODEN BOLLARDS
ITEM#202.130100WE
SALVAGE GATE

SILT FENCE (TYP)
1/36 ITEM# 209.13

TREE PROTECTION FENCING (TYP) 1/37
ITEM#.W607.86

GARDEN AREA IMPROVEMENTS
SEE SHEET # 25

STORAGE BARN
FIRST FLOOR=220.1
ON OLD CONCRETE F

UPPER DAIRY BARN
LOWER DAIRY BARN

SUN DIAL

CORN CRIB
FIRST FLOOR=228.06

WATER TREATMENT BUILDING
FIRST FLOOR=224.70

CONCESSION BUILDING
FIRST FLOOR=224.36

2 STORY ALFRED B. DELBELLO MUSCOOT FARM PARK OFFICE BUILDING
FIRST FLOOR=226.15

1 STORY BATH ROOM
FIRST FLOOR=225.35

2 STORY ACTIVITY BUILDING
FIRST FLOOR=225.38

OUT HOUSE

PARK ENTRANCE BUILDING

PARK SIGN

HARD PACKED SOIL ROADWAY

HARD PACKED SOIL PARKING AREA

HARD PACKED SOIL WALK

WOOD RAIL FENCE

RETAINING WALL

CONC. STEPS

CONC. RAMP

CONCRETE PAD

EXISTING 1,000 GALLON UNDERGROUND FUEL OIL STORAGE AS PER RECORD PLAN

EXISTING 1,000 GALLONS CONCRETE SEPTIC TANK

OLD STEAM PUMP
IRON WATER RECIRCULATION LINE

SEPTIC SYSTEM AS PER RECORD PLAN

GARDEN AREA

MONUMENT

WOOD DECK

ROCK

TRAIL

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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WESTCHESTER COUNTY, NEW YORK
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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SITE PREPARATION AND REMOVAL PLANS - III

CONTRACT NUMBER	SHEET NUMBER
20-536	6

SHEET NO. 6 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-24-0
REV. NO.

MATCHLINE 'F'

MATCHLINE 'E'

MATCHLINE 'C'

OVE TREE
514.060304

10" SUGAR MAPLE

BENCH

CHIP TRAIL

HARD PACKED SOIL ROADWAY

SHED

WATER STATION

ELECTRIC

8 RED MAPLE

TURKEY PEN

TURKEY HOUSE

CATTLE SHED

ROCK

STORAGE BARN
FIRST FLOOR=221.11
ON OLD CONCRETE FOUNDATION

CARRIAGE HOUSE
(OPEN BELOW)
FIRST FLOOR=218.56
ON OLD CONCRETE FOUNDATION

WOOD DECK

TWIN SUNNYHILL

HAY BALE GANTRY

1910s MILK HOUSE
FIRST FLOOR=221.56

1930s MILK HOUSE
FIRST FLOOR=218.94

WOOD POST & WIRE FENCE

PIG PEN

ELECTRIC SERVICE PANEL

FARM MUSEUM
ROOT CELLAR BELOW
FIRST FLOOR=227.15

RAMP

FARM BELL

12" MAPLE

6" MAPLE

OUT BUILDING

1840s BARN
OPEN BELOW
FIRST FLOOR=227.40

TREE PROTECTION
FENCING (TYP)
ITEM# 607.860000WE
1/37

PASTURE

RETAINING WALL

CONCRETE PAD

3" WOOD POST & WIRE FENCE

HARD PACKED SOIL ROADWAY

POST

WATER STATION

SALVAGE EXISTING
STONES FOR
RECONSTRUCTION OF
EXISTING STONE WALL
UNDER ITEM # 560.06

SILT FENCE (TYP)
1/36
ITEM# 209.13

6" POST & WIRE FENCE

LOW RETAINING WALL

20" MAPLE

WOOD COVER SEWER TRAP

FIRE ALARM BOX

TRANSFORMER

CONC. PAD

ICE HOUSE
FIRST FLOOR=220.28

CHICKEN HOUSE

TIRE ALARM BOX

BLACKSMITH SHOP
FIRST FLOOR

PIG HOUSE
FIRST FLOOR=214.61

OUT BUILDING

36" MAPLE

I STORY
TH ROOM
FLOOR=225.35

STORY
BUILDING
OR=225.38

ACKED SOIL PARKING AREA

RAMP

RETAINING WALL

6" SUGAR MAPLE

UNDER GROUND ELEVATOR LINE

WALLS

ING 1,000 GALLON UNDER GROUND
FUEL OIL STORAGE TANK
AS PER RECORD PLAN

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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TITLE DATE

PROJECT COORDINATOR
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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SITE PREPARATION AND REMOVAL PLANS - IV

CONTRACT NUMBER	SHEET NUMBER
20-536	7

SHEET NO. 7 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-25-0
REV. NO.

CLEAR AND GRUB
ITEM# 201.070000WE

SILT FENCE (TYP)
1/36
ITEM# 209.13

CONTAMINATED SOIL AREA
ALL EXCAVATED SOILS WITHIN THIS AREA ARE TO REMAIN ON SITE FOR REUSE ELSEWHERE WITHIN THE MUSCOOT FARM PROPERTY. SEE ENVIRONMENTAL SOIL NOTES ON SHEET # 2 "NOTES AND ITEM LIST"

SALVAGE EXISTING STONES FOR RECONSTRUCTION OF EXISTING STONE WALL UNDER ITEM # 560.06

REMOVE TREE
ITEM 614.060304

TREE PROTECTION FENCING (TYP)
1/37
ITEM# 607.860000WE

SHED TO BE RE-LOCATED TO ALTERNATE LOCATION BY PRC FARM STAFF

MATCHLINE 'D'

MATCHLINE 'F'

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SITE PREPARATION AND REMOVAL PLANS - V

CONTRACT NUMBER	SHEET NUMBER
20-536	8

SHEET NO. 8 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-26-0
REV. NO.

MATCHLINE 'A'

MATCHLINE 'B'

POROUS ASPHALT PAVEMENT "P"

4" WIDE WHITE EPOXY PAVEMENT STRIPES (TYP) ITEM# 685.11

TOPSOIL & ESTABLISH TURF "L"

CONCRETE CURB "C" (8/31)

PAVEMENT MARKINGS ARROW (TYP) (4/35)

INFILTRATION TRENCH (TYP) (5/32)

R5-1

R1-1(road)

R6-1R

R6-6

HANDICAP ACCESSIBLE PAVEMENT MARKINGS & SIGNS (TYP) (2/35)

MAIN HOUSE
FIRST FLOOR=227.35

MAIN HOUSE WALKWAY
PLANS SEE SHEET # 19

GRAPE ARBOR

OUT HOUSE

PARK ENTRANCE BUILDING

WOOD RAIL FENCE

PARK SIGN

GRAVEL PATHWAY PAVEMENT "G"

RECONSTRUCT +/- 12'-0" SECTION OF STONE WALL TO MATCH EXISTING WALL UNDER ITEM# 560.06 (5/37)

24" RCP DRAIN LINE

SOMERSTOWN TURNPIKE ROUTE 100 STATE HIGHWAY 9024

12" WIDE WHITE EPOXY PAVEMENT STRIPE (TYP) ITEM # 685.11

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

LAYOUT AND MATERIALS PLANS - I

CONTRACT NUMBER 20-536
SHEET NUMBER 9
SHEET NO. 9 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-27-0
REV. NO.

MATCHLINE 'C'

MATCHLINE 'B'

SOMERSTOWN TURNPIKE ROUTE 100 STATE HIGHWAY 9024

ICE HOUSE
FIRST FLOOR=222.29
CHICKEN HOUSE
FIRST FLOOR=222.15
BLACKSMITH SHOP
FIRST FLOOR=218.76
CHICKEN YARD
BROODER HOUSE
FIRST FLOOR=218.82
BROODER HOUSE
FIRST FLOOR=213.32
OUT BUILDING
WOOD PLATFORM
CONC. PAD
RAMP
GLEANER'S HALL
POST & WIRE FENCE
RETAINING WALL
TRELLIS
OAK
34" SUGAR MAPLE
22" MAPLE
20" SUGAR MAPLE
16" RED MAPLE
15" SUGAR MAPLE
20" PINE
6" MAPLE
18" ASH
20" ASH
14" BLACK CHERRY
10" BLACK CHERRY
MONUMENT
GATE
R10'-0"
R5'-0"
R3'-0"
R20'-0"
3'-0"
5'-0"
8'-0"
10'-0"
12'-0"
2'-0"
52'-5"
78'-8"
93'-8"
12"x12" RAMP
PROPOSED BATHROOM BUILDING. SEE ARCHITECTURAL DRAWINGS
GRAVEL PATHWAY PAVEMENT/"G"
PROPOSED VALVE VAULT AND DOSING PUMP STATION. SEE SEPTIC SYSTEM DRAWINGS
PROPOSED ABSORPTION TRENCH FIELD. SEE SEPTIC SYSTEM DRAWINGS
PROPOSED SEPTIC TANK. SEE SEPTIC SYSTEM DRAWINGS
TOPSOIL & ESTABLISH TURF "L"
EXIST. CONCRETE PAD TO REMAIN
BIORETENSION 1,2/27 BASIN
BIORETENSION BASIN OUTLET CONTROL STRUCTURE 3/32
STONE DIAPHRAGM 3/27
FULL DEPTH ASPHALT PAVEMENT FOR ROADS AND PARKING LOTS "F"
STONE HEADWALL & OUTFLOW RIP-RAP 4/33
MAINTENANCE BUILDING
OPEN BELOW
MAINTENANCE BARN
STOCKPILE
ROCK
PROPOSED FENCES (SEE FENCE PLANS)
215
220
213
235
240
245
250
255
230
225

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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TITLE DATE

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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

LAYOUT AND MATERIALS PLANS - II

CONTRACT NUMBER	SHEET NUMBER
20-536	10

SHEET NO. 10 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-28-0
REV. NO.

MATCHLINE 'D'

MATCHLINE 'E'

MATCHLINE 'A'

6" DIA. PVC PIPE OUTLET. ITEM # 605.1502

4" WIDE WHITE EPOXY PAVEMENT STRIPES (TYP) ITEM# 685.11

INSTALL BOULDERS (QTY:+/-17) TYP. LOCATION TO BE VERIFIED IN FIELD (4/30)

INSTALL 12' FARM GATE (3/30)

TOPSOIL & ESTABLISHTURF "L"

4 (4/35) PAVEMENT MARKINGS ARROW (TYP)

5 (5/32) INFILTRATION TRENCH (TYP)

POROUS ASPHALT PAVEMENT "P"

HANDICAP ACCESSIBLE PAVEMENT MARKINGS & SIGNS (TYP) (2/35)

1 (1/33) HEADWALL

GRAVEL PATHWAY PAVEMENT "G"

GARDEN AREA IMPROVEMENTS SEE SHEET # 25

GRAVEL PATHWAY PAVEMENT "G"

STORAGE BARN FIRST FLOOR=224.70 ON OLD CONCRETE FOUNDATION

WOOD DECK

RETAINING WALL

UPPER DAIRY BARN
LOWER DAIRY BARN

SUN DIAL

OLD STEAM PUMP
RUN WATER FOR CIRCULATION LINE

GARDEN AREA

MONUMENT

CORN CRIB FIRST FLOOR=226.06

3' PICKET FENCE

WELL

WATER TREATMENT BUILDING FIRST FLOOR =224.70

CONCESSION BUILDING FIRST FLOOR =224.56

2 STORY ALFRED B. DELBELLO MUSCOOT FARM PARK OFFICE BUILDING FIRST FLOOR=226.15

1 STORY BATH ROOM FIRST FLOOR=225.35

2 STORY ACTIVITY BUILDING FIRST FLOOR=225.38

CONCRETE PAD

CONC. PAD

CONC. RAMP

RAMP

CONC. STEPS

WOOD RAIL FENCE

PARK SIGN

OUT HOUSE

PARK ENTRANCE BUILDING

GARDEN AREA

50' PACKED SOIL PARKING AREA

50' NORTHERN CATALPA

14" MAPLE

22" OAK

10"-16" RED MAPLE

22" MAPLE

6"-7" DOGWOOD

34" SUGAR MAPLE

ROCK

TRAIL

RETAINING WALL

210

215

220

225

216'-0"

123'-0"

18'-5"

IN CHARGE OF R. LOPANE

CHECKED BY R. LOPANE

MADE BY R. LOPANE

20 0 10 20 40

1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED

☐ AS BUILT – NO CHANGES

CONTRACTOR

NAME

SIGNATURE

TITLE DATE

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

LAYOUT AND MATERIALS PLANS PLANS - III

CONTRACT NUMBER	SHEET NUMBER
20-536	11

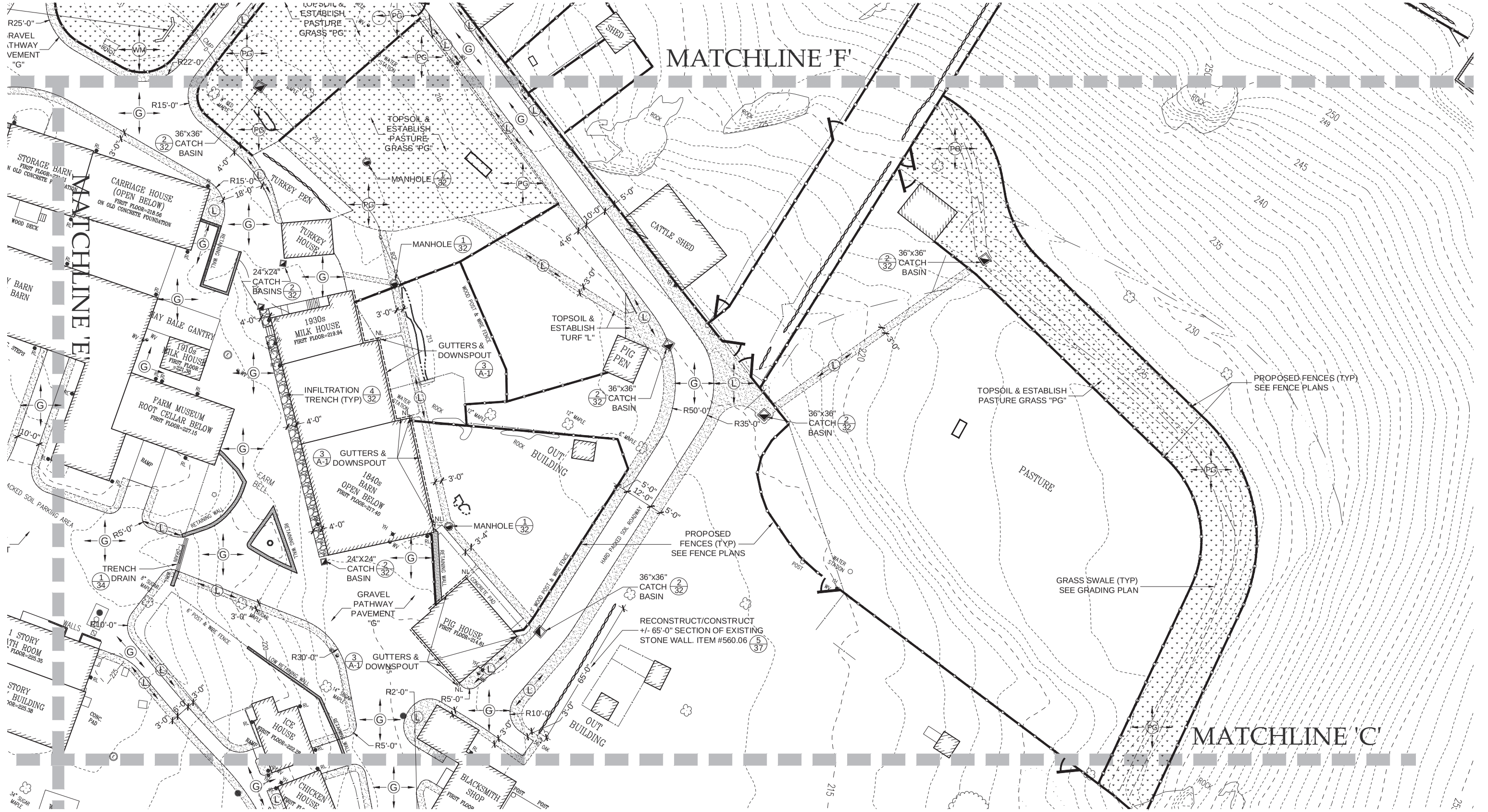
SHEET NO. 11 OF 62

SCALE: 1" = 20'-0"

DATE: 01/10/2023

DPW FILE NO. 91-01-G-29-0

REV. NO.



IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

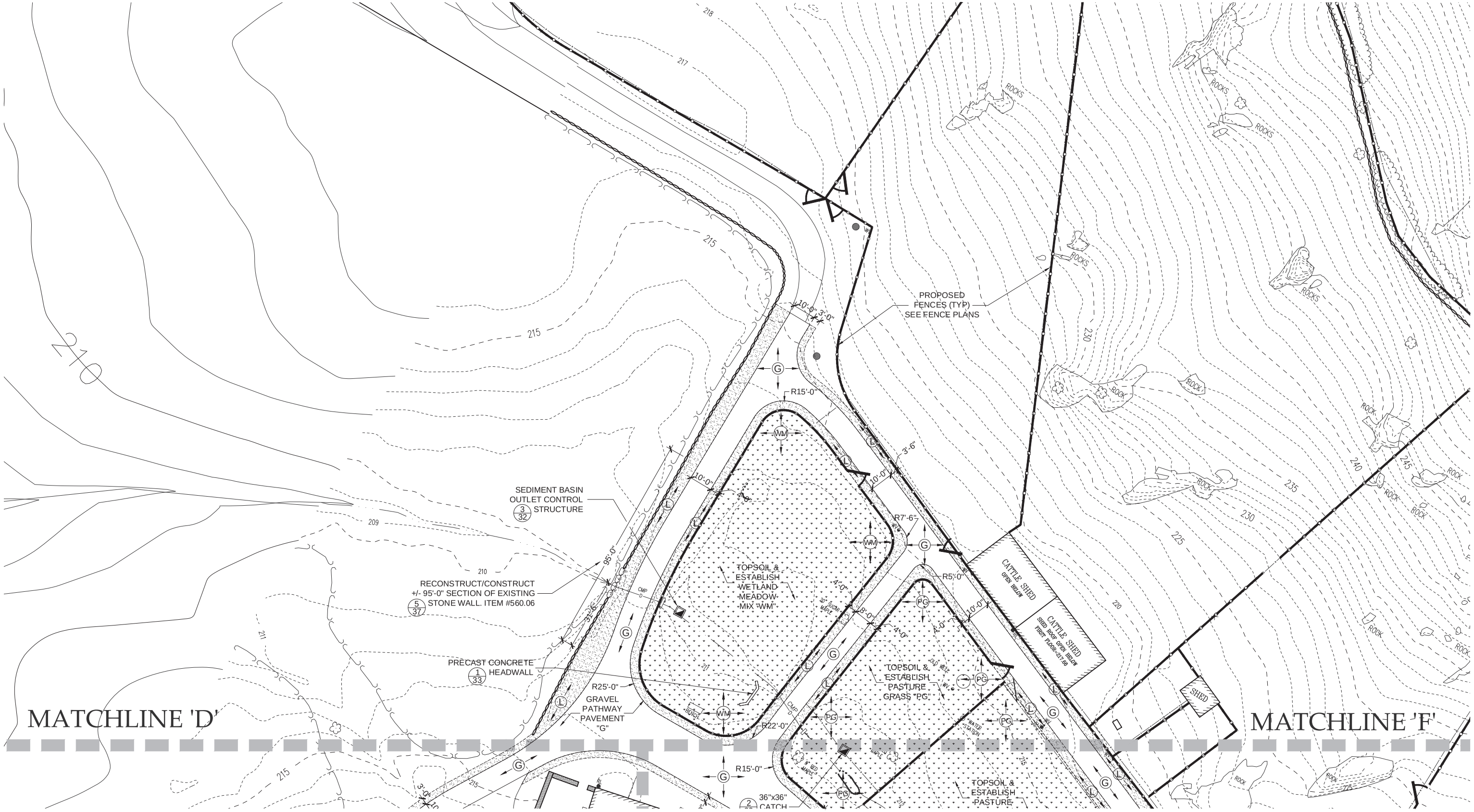
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

LAYOUT AND MATERIALS PLANS - IV

CONTRACT NUMBER	SHEET NUMBER
20-536	12
SHEET NO. 12 OF 62	
SCALE: 1" = 20'-0"	
DATE: 01/10/2023	
DPW FILE NO. 91-01-G-30-0	REV. NO.



IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
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TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

LAYOUT AND MATERIALS PLANS - V

CONTRACT NUMBER	SHEET NUMBER
20-536	13

SHEET NO. 13 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-31-0
REV. NO.

MATCHLINE 'A'

MATCHLINE 'B'

3/33 6" DIA. NON PERF. PVC PIPE OUTLET. ITEM # 605.16020008

TC 223.00 BC 222.50

TC 222.98 BC 222.81

TC 223.00 BC 222.50

TC=BC 223.00

MAIN HOUSE WALKWAY PLANS SEE SHEET # 19

MAIN HOUSE FIRST FLOOR=227.35

PARK ENTRANCE BUILDING FLOOR=225.38

GRAPE ARBOR

OUT HOUSE

PARK SIGN

WOOD RAIL FENCE

EXISTING 2,000 GALLON UNDER GROUND FUEL OIL STORAGE TANK AS PER RECORD PLAN

EXISTING 1,000 GALLONS CONCRETE SEPTIC TANK

EX. SEPTIC TANK RIM

EXISTING SEPTIC FIELD (AS PER RECORD PLAN)

UNDER GROUND ELECTRIC LINE

24" RCP DRAIN LINE

CONCRETE PAD

CONC. PAD

FIRE ALARM BOX

FIRE ALARM & COMMUNICATION BOX

FLAG POLE

RAMP

GATE

WELL

MAGNOLIA CLUSTER SIX (6) 6" TO 12"

SOMERSTOWN TURNPIKE ROUTE 100 STATE HIGHWAY 9024

IN CHARGE OF R. LOPANE

CHECKED BY R. LOPANE

MADE BY R. LOPANE

20 0 10 20 40

1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR

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WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS

ALFRED B. DELBELLO MUSCOOT FARM

SOMERS, NEW YORK

GRADING AND DRAINAGE PLANS - I

CONTRACT NUMBER	SHEET NUMBER
20-536	14

SHEET NO. 14 OF 62

SCALE: 1" = 20'-0"

DATE: 01/10/2023

DPW FILE NO. 91-01-G-32-0

REV. NO.

MATCHLINE 'C'

MATCHLINE 'B'

ROOF LEADER
6" DIA. NON PERF.
PVC PIPE AT 1.0%
(3/33)

OUT BUILDING

ICE HOUSE
FIRST FLOOR=222.29

CHICKEN HOUSE
FIRST FLOOR=222.15

BLACKSMITH SHOP
FIRST FLOOR=218.76

CHICKEN YARD

BROODER HOUSE
216.

BROODER HOUSE
FIRST FLOOR=219.32

6' POST & WIRE FENCE

RETAINING WALL

FIRE ALARM BOX

PROPOSED VALVE VAULT AND DOSING PUMP STATION. SEE SEPTIC SYSTEM DRAWINGS

PROPOSED ABSORPTION TRENCH FIELD. SEE SEPTIC SYSTEM DRAWINGS

PROPOSED BATHROOM BIULDING. SEE ARCHITECTURAL DRAWINGS

PROPOSED SEPTIC TANK. SEE SEPTIC SYSTEM DRAWINGS

6" DIA. PVC UNDERDRAIN ITEM# 605.1502
(3/27)

12"DIA SICPP
(3/33)

MAINTENANCE BUILDING

500 GALLON UNDERGROUND FUEL OIL STORAGE TANK AS PER RECORD PLAN

OPEN BELOW

TANK

EXISTING 1,000 GALLONS UNDERGROUND GASOLINE STORAGE TANK

EXISTING 500 GALLONS UNDERGROUND DIESEL FUEL OIL STORAGE TANK

GAS PUMP

UNDERGROUND GASOLINE AND DIESEL FUEL OIL STORAGE TANKS

COMMUNICATION DATA AND FIRE ALARM

MAINTENANCE BARN

STOCKPILE

ROCK

MONUMENT

TRANSFORMER

COMMUNICATION BOX

UNDER GROUND ELECTRIC LINE

SEPTIC FIELD (RECORD PLAN)

SOMERSTOWN TURNPIKE ROUTE 100 STATE HIGHWAY 9024

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR
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WESTCHESTER COUNTY, NEW YORK
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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GRADING AND DRAINAGE PLANS - II

CONTRACT NUMBER 20-536
SHEET NUMBER 15
SHEET NO. 15 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-33-0
REV. NO.

MATCHLINE 'D'

MATCHLINE 'E'

MATCHLINE 'A'

INV= 208.48
TW=211.48

+ 212.75

6" DIA. NON PERF. PVC PIPE OUTLET. ITEM # 605.16020008 (3/33)

+ 221.65

222.81

223.00

224.16

+ 224.25

STORAGE BARN
FIRST FLOOR=220.11
ON OLD CONCRETE FOUNDATION

RETAINING WALL

WOOD DECK

UPPER DAIRY BARN
LOWER DAIRY BARN

SUN DIAL

ROCK

TRAIL

ON SIGN

RAMP

CONC. STEPS

OLD STEAM PUMP
FROM WATER WELL
RECIRCULATION LINE

GARDEN AREA

MONUMENT

GARDEN AREA IMPROVEMENTS
SEE SHEET # 25

CORN CRIB
FIRST FLOOR=228.06

PICKET FENCE

HARD PACKED SOIL PARKING AREA

WATER TREATMENT BUILDING
FIRST FLOOR=224.70

CONCESSION BUILDING
FIRST FLOOR=224.36

WELL

SEPTIC SYSTEM AS PER RECORD PLAN

WOOD RAIL FENCE

PARK SIGN

OUT HOUSE

PARK ENTRANCE BUILDING

2 STORY
ALFRED B. DELBELLO
MUSCOOT FARM PARK
OFFICE BUILDING
FIRST FLOOR=228.15

1 STORY
BATH ROOM
FIRST FLOOR=225.35

2 STORY
ACTIVITY BUILDING
FIRST FLOOR=225.38

CONC. RAMP

CONC. PAD

EXISTING 1,000 GALLON UNDERGROUND FUEL OIL STORAGE TANK AS PER RECORD PLAN

EXISTING 1,000 GALLONS CONCRETE SEPTIC TANK

TRENCH DRAIN

FIRE ALARM BOX

ELECTRIC SERVICE

14" MAPLE

22" OAK

7" MAPLE

15"-16" RED MAPLE

22" MAPLE

6"-7" DOGWOOD

34" SUGAR MAPLE

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GRAADING AND DRAINAGE PLANS - III

CONTRACT NUMBER	SHEET NUMBER
20-536	16

SHEET NO. 16 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-34-0
REV. NO.

MATCHLINE 'F'

MATCHLINE 'E'

MATCHLINE 'C'

CATCH BASIN #4
RIM: 211.90
INV. IN: 208.90
INV. OUT: 208.70

CATCH BASIN #8
RIM: 213.68
INV IN: 210.68
INV OUT: 210.48

CATCH BASIN #7
RIM: 215.77
INV IN: 213.27
INV OUT: 212.77

MANHOLE #3
RIM: 213.46
INV. IN: 208.99
INV. OUT: 208.99

MANHOLE #2
RIM: 213.83
INV. IN: 209.25
INV. OUT: 209.25
INV. 12" PIPE: 209.56

CATCH BASIN #3
RIM: 214.40
INV. IN: 210.40
INV. OUT: 210.20

CATCH BASIN #1
RIM: 220.55
INV. OUT: 216.55

CATCH BASIN #2
RIM: 215.45
INV. IN: 211.45
INV. OUT: 211.25

CATCH BASIN #6
RIM: 216.50
INV IN: 214.00
INV OUT: 213.83

MANHOLE #1
RIM: 213.95
INV. IN: 209.78
INV. OUT: 209.78
INV. 6" PVC: 211.45

CATCH BASIN #5
RIM: 213.83
INV. OUT: 210.07
INV. 6" PVC: 211.33

44 LF OF 24" SICPP AT 0.5%

102 LF OF 24" SICPP AT 0.5%

51 LF OF 24" SICPP AT 0.5%

205 LF OF 24" SICPP AT 0.63%

19 LF OF 12" SICPP AT 12%

46 LF OF 12" SICPP AT 1%

105 LF OF 24" SICPP AT 0.5%

48 LF OF 24" SICPP AT 1.8%

113 LF OF 24" SICPP AT 4.5%

57 LF OF 24" SICPP AT 0.5%

111 LF OF 8" PERFORATED PVC AT 0.5% (4/32)

65 LF OF 6" DIA. NON PERF. PVC ITEM# 605.16020008 (3/33)

ROOF LEADER 6" DIA. NON PERF. PVC PIPE AT 2.0% (3/33)

ROOF LEADER 6" DIA. NON PERF. PVC PIPE AT 2.0%. CONNECT TO 24" SICPP. (3/33)

ROOF LEADER 6" DIA. NON PERF. PVC PIPE AT 2.0%. CONNECT TO 24" SICPP. UNDER ITEM# 605.16020008 (X/XX)

ROOF LEADER 6" DIA. NON PERF. PVC PIPE AT 1.0% (3/33)

STORAGE BARN
FIRST FLOOR=221.15
ON OLD CONCRETE FOUNDATION

1910s MILK HOUSE
FIRST FLOOR=221.36

FARM MUSEUM
ROOT CELLAR BELOW
FIRST FLOOR=221.15

TURKEY HOUSE

TURKEY PEN

CATTLE SHED

PIG PEN

PIG HOUSE
FIRST FLOOR=214.61

OUT BUILDING

SHED

ELECTRIC

WATER STATION

HAY BALE GANTRY

PACKED SOIL PARKING AREA

RAMP

FARM BELL

RETAINING WALL

TRENCH DRAIN
RIM=222.75
INV OUT=221.00

22.5° ELBOW

EXISTING 1,000 GALLON UNDERGROUND FUEL OIL STORAGE TANK AS PER RECORD PLAN

1 STORY BATH ROOM
FIRST FLOOR=225.36

2 STORY "TY BUILDING
FLOOR=225.36

225.25

TRANSFORMER

ELECTRIC SERVICE

CONC. PAD

WOOD COVER SEWER TRAP

LOW RETAINING WALL

ICE HOUSE
FIRST FLOOR=222.28

CHICKEN HOUSE

BLACKSMITH SHOP
FIRST FLOOR

FIRE ALARM BOX

HARD PACKED SOIL ROADWAY

WOOD POST & WIRE FENCE

CONCRETE PAD

PASTURE

ROCK

WOOD DECK

CONC. STEPS

6" SUGAR MAPLE

8" RED MAPLE

12" MAPLE

14" SUGAR MAPLE

34" SUGAR MAPLE

36" OAK

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GRADING AND DRAINAGE PLANS - IV

CONTRACT NUMBER 20-536
SHEET NUMBER 17
SHEET NO. 17 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-35-0
REV. NO.

PRECAST OUTLET
CONTROL STRUCTURE
RIM: 212.25
WEIR INV: 210.75
INV. OUT: 210.25
GRADE AT BASE
OF STRUCTURE: 209.50
BOTTOM OF
STRUCTURE: 206.25
ORIFACE INV: 209.25

PRECAST
CONCRETE
HEADWALL
INV= 208.48
TW=211.48

6 LF OF 24"
SICRP AT 1.0%
CONNECT TO
EXIST. PIPE

44 LF OF 24"
SICPP AT 0.5%

102 LF OF 24" SICRP AT

CATCH BASIN #4
RIM: 211.90

CATTLE SHED
OPEN BELOW

CATTLE SHED
SHED ROOF OPEN BELOW
FIRST FLOOR=217.00

SHED

ELECTRIC

OLD WELL

WATER STATION

6" RED MARK

ROCKS

ROCK

MATCHLINE 'D'

MATCHLINE 'F'

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

20 0 10 20 40
1 inch = 20 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR
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SIGNATURE
TITLE DATE

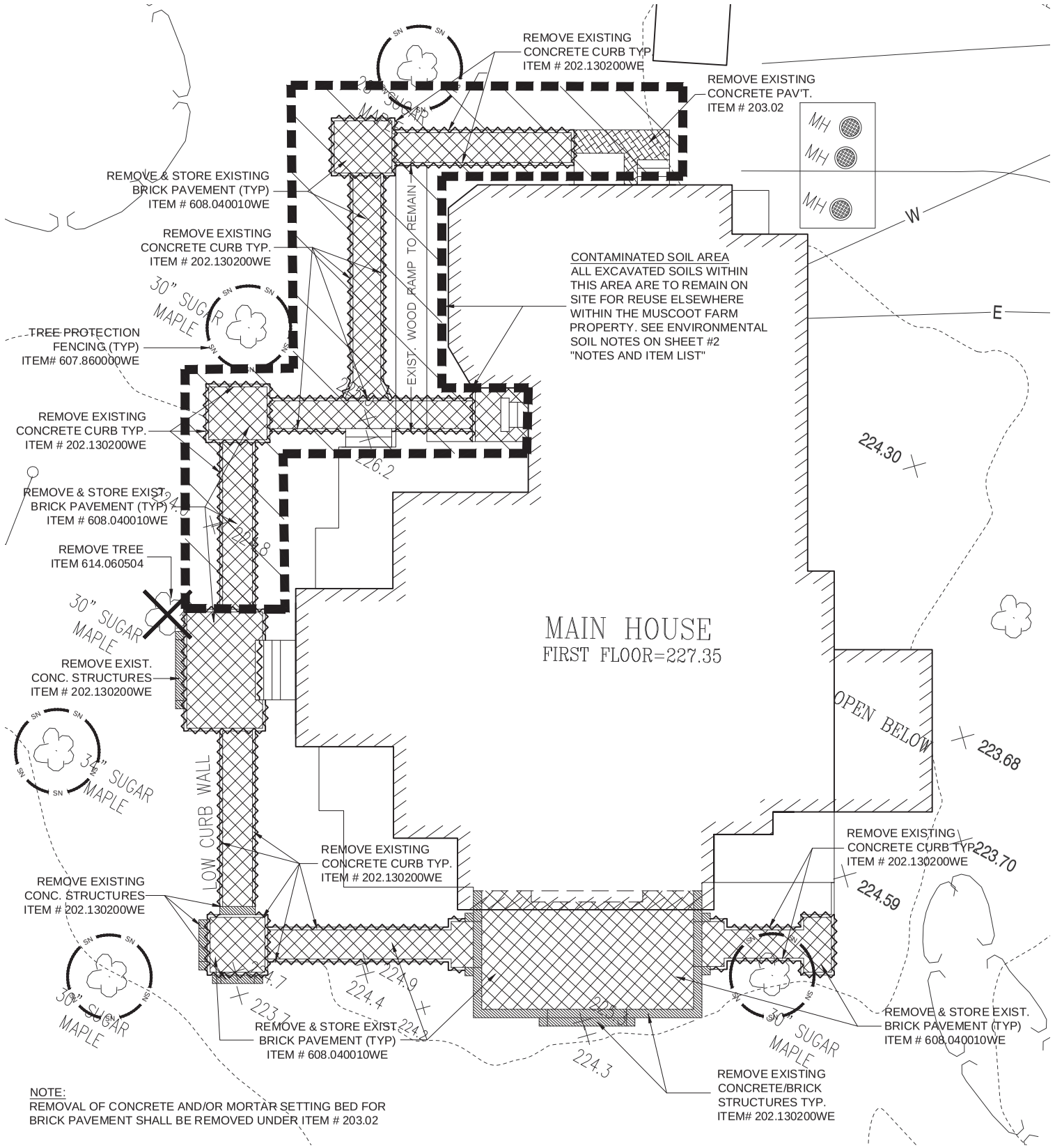
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

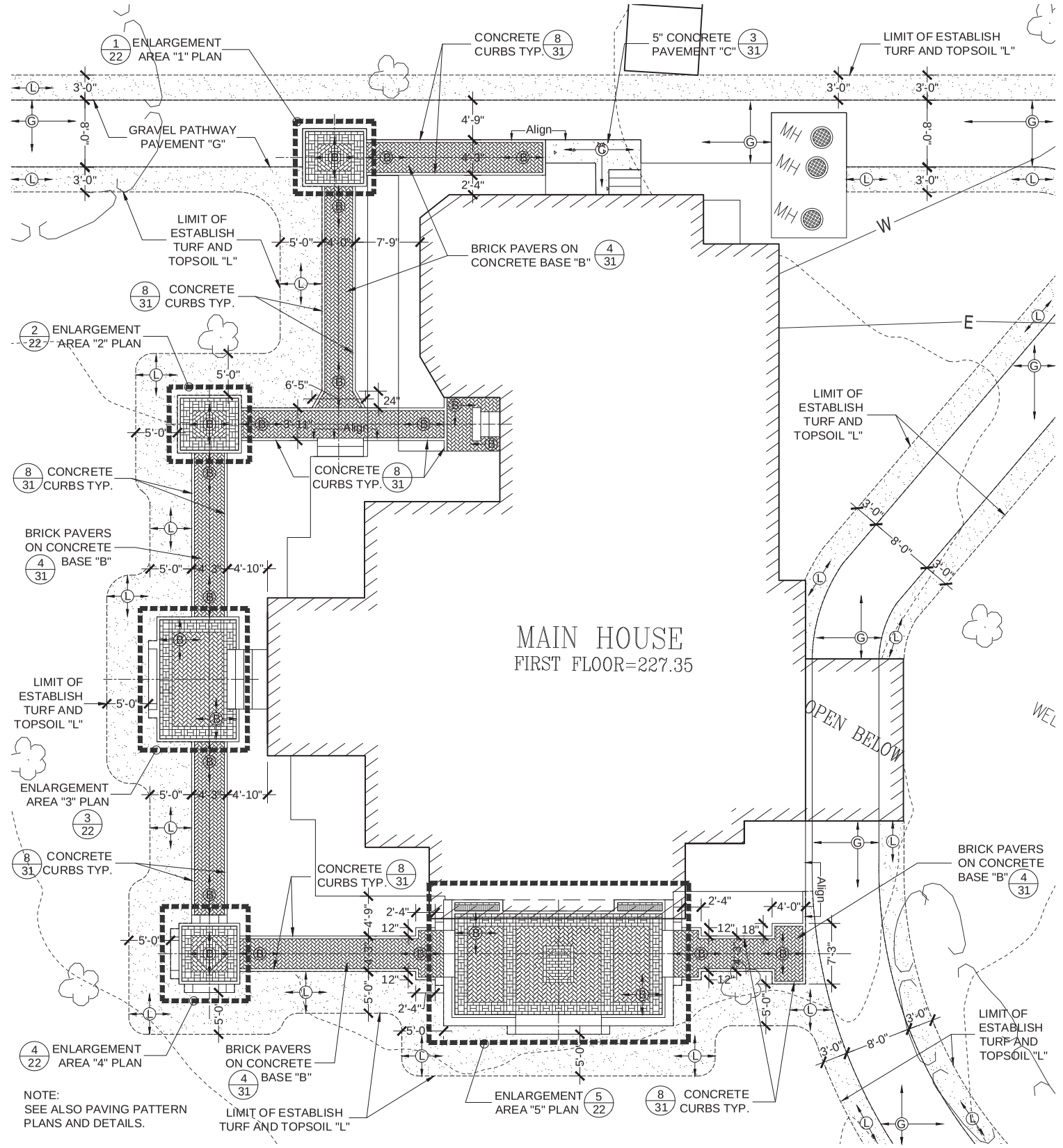
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GRADING AND DRAINAGE PLANS - V

CONTRACT NUMBER 20-536
SHEET NUMBER 18
SHEET NO. 18 OF 62
SCALE: 1" = 20'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-36-0
REV. NO.



1 SITE PREPARATION AND REMOVALS PLAN



2 LAYOUT & MATERIALS PLAN

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

10 0 5 10 20
1/8" inch = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

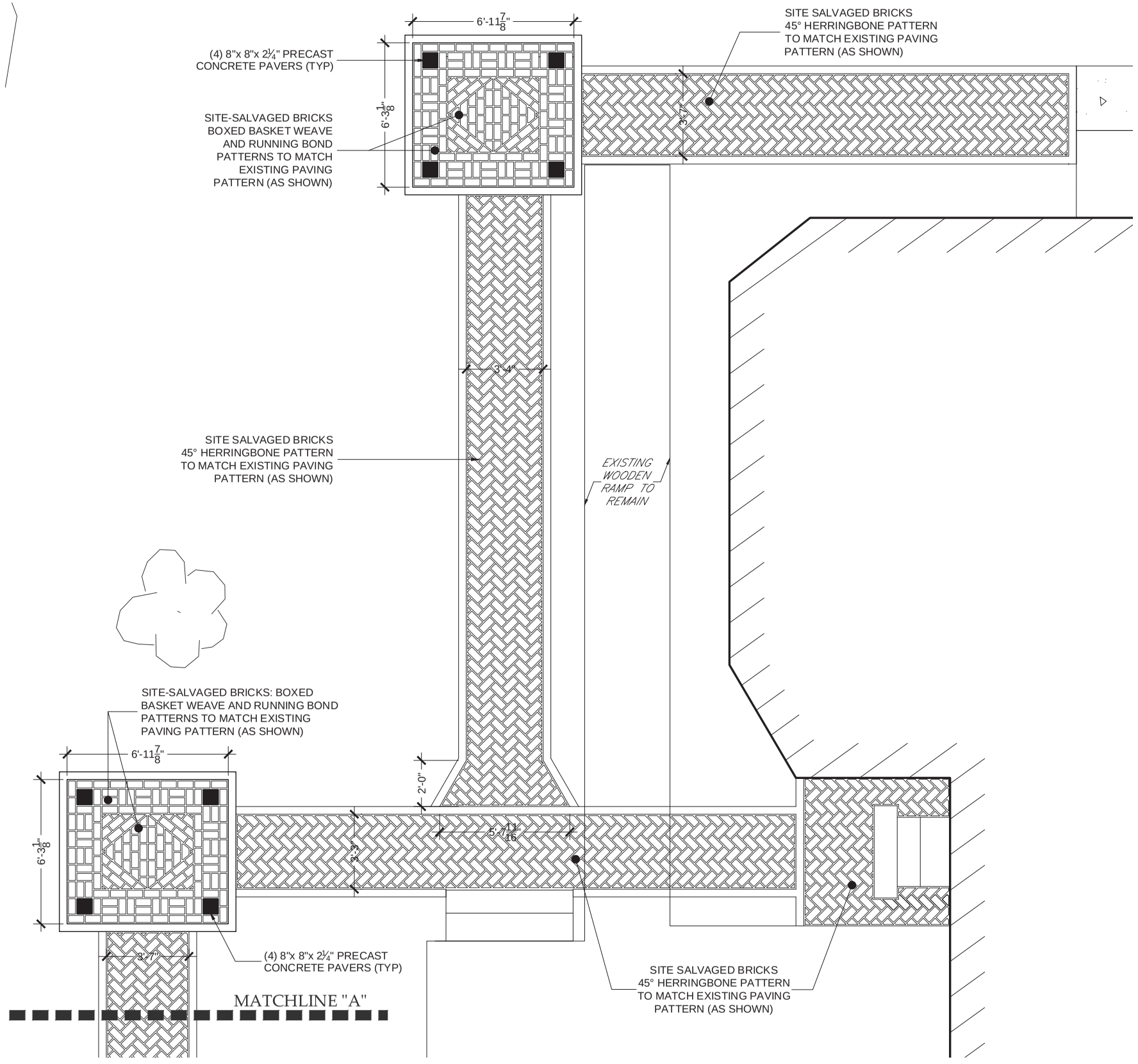
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

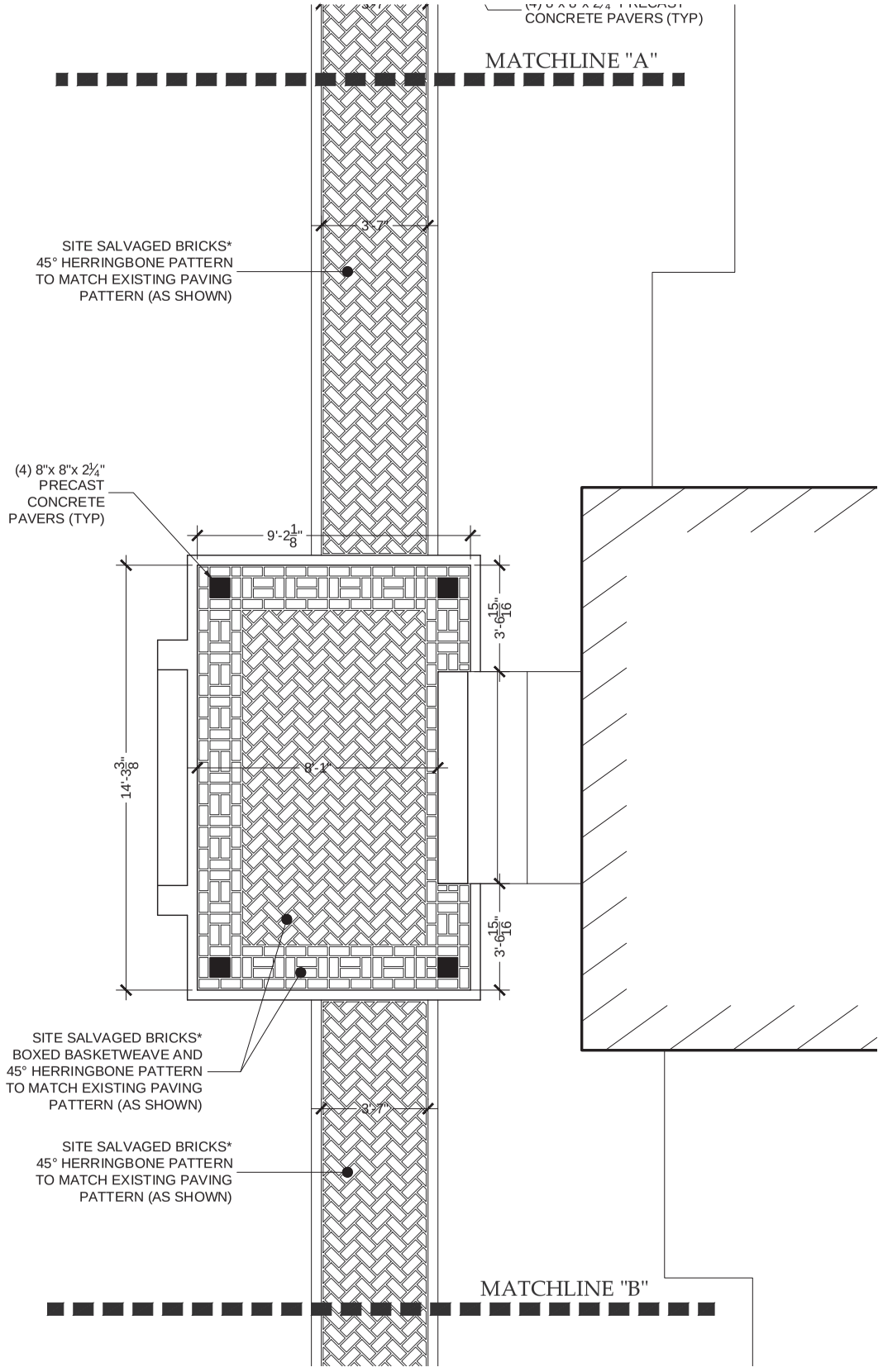
MAIN HOUSE WALKWAY PLANS

CONTRACT NUMBER	SHEET NUMBER
20-536	19

SHEET NO. 19 OF 62
SCALE: 1/8" = 1'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-37-0
REV. NO.



1 PAVING PATTERN PLAN ENLARGEMENT AREA "A"



2 PAVING PATTERN PLAN ENLARGEMENT AREA "B"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

5' 0 5' 10'
3/8 inch = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

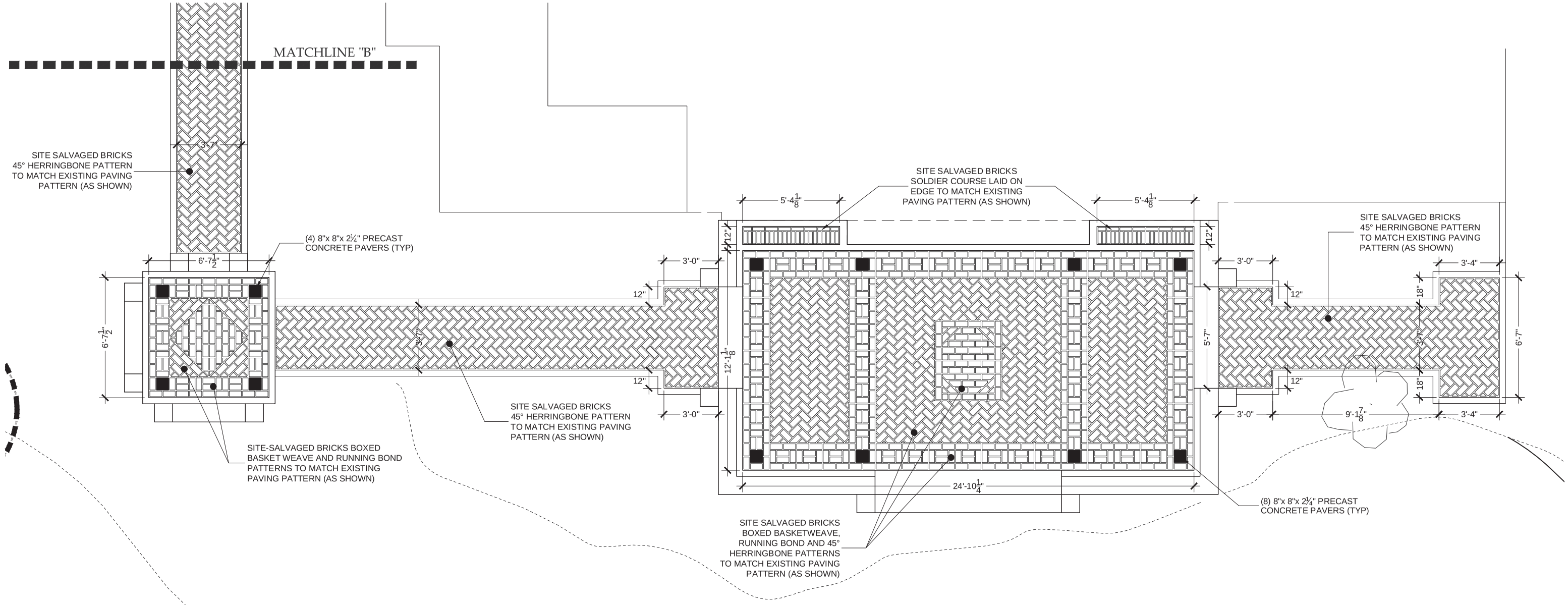
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

MAIN HOUSE PATIO/WALKWAY PAVING PATTERN PLANS - I

CONTRACT NUMBER	SHEET NUMBER
20-536	20

SHEET NO. 20 OF 62
SCALE: 3/8" = 1'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-38-0
REV. NO.



1 PAVING PATTERN PLAN ENLARGEMENT AREA "C"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

5' 0 5' 10'
3/8 inch = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

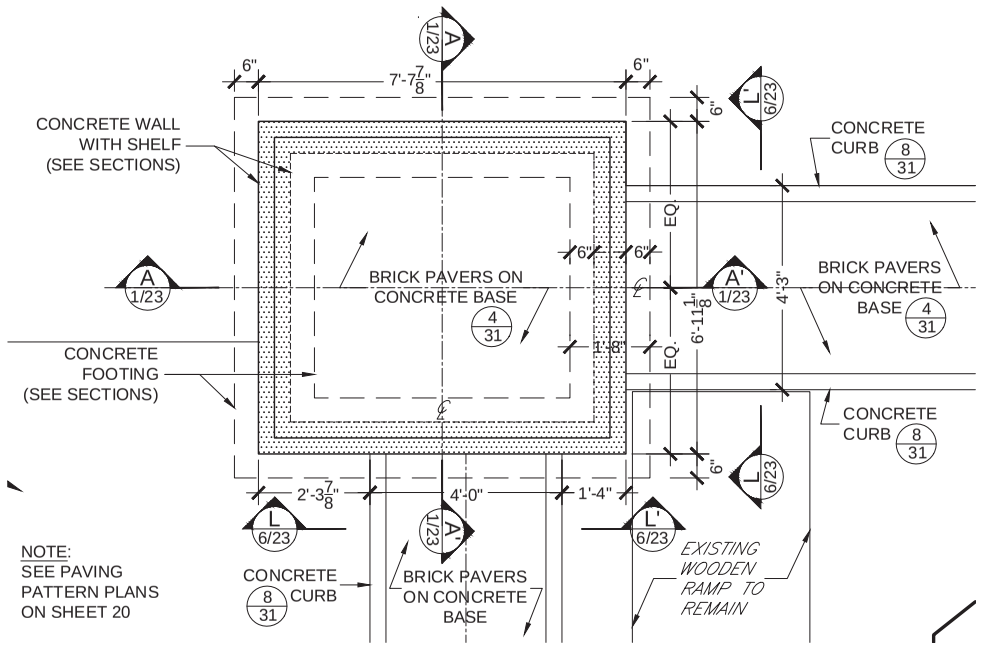
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

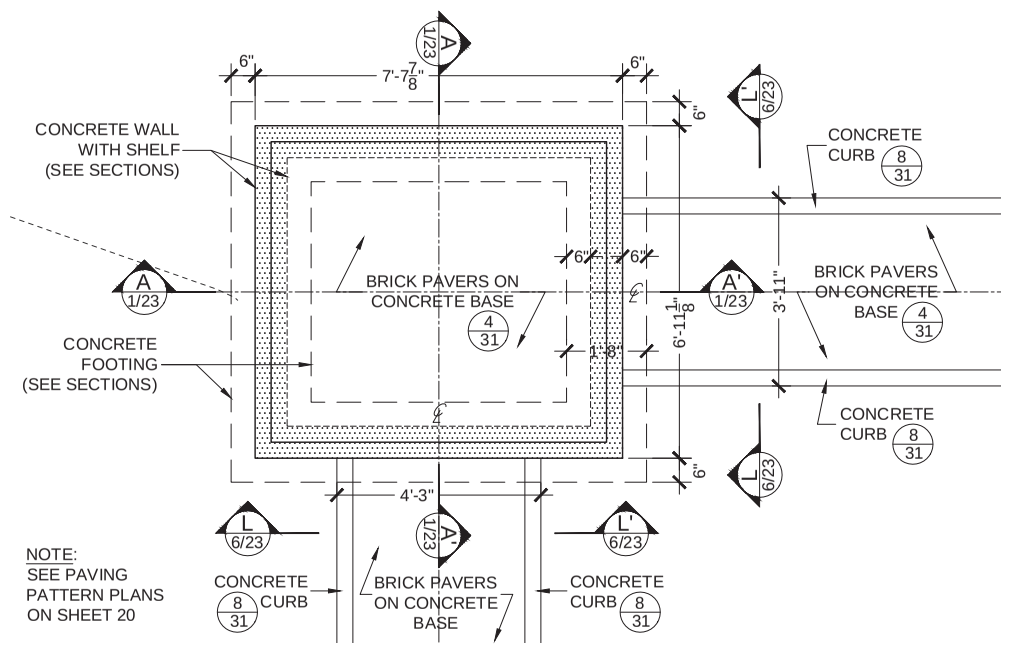
MAIN HOUSE PATIO/WALKAY PAVING PATTERN PLANS - II

CONTRACT NUMBER 20-536
SHEET NUMBER 21
SHEET NO. 21 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-39-0
REV. NO.



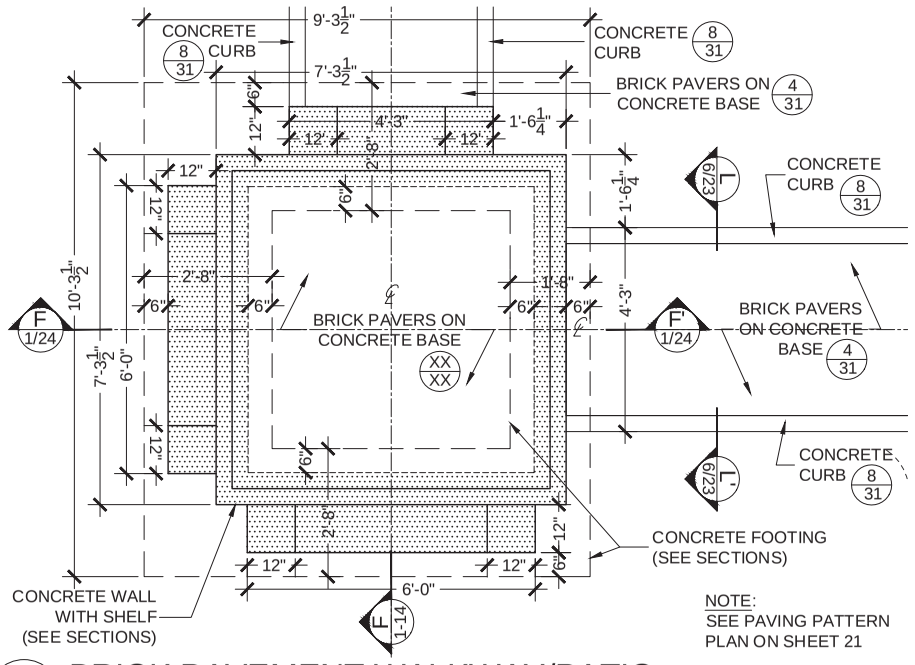
1 BRICK PAVEMENT WALKWAY/PATIO ENLARGEMENT AREA PLAN "1"

SCALE: ½"=1'-0"



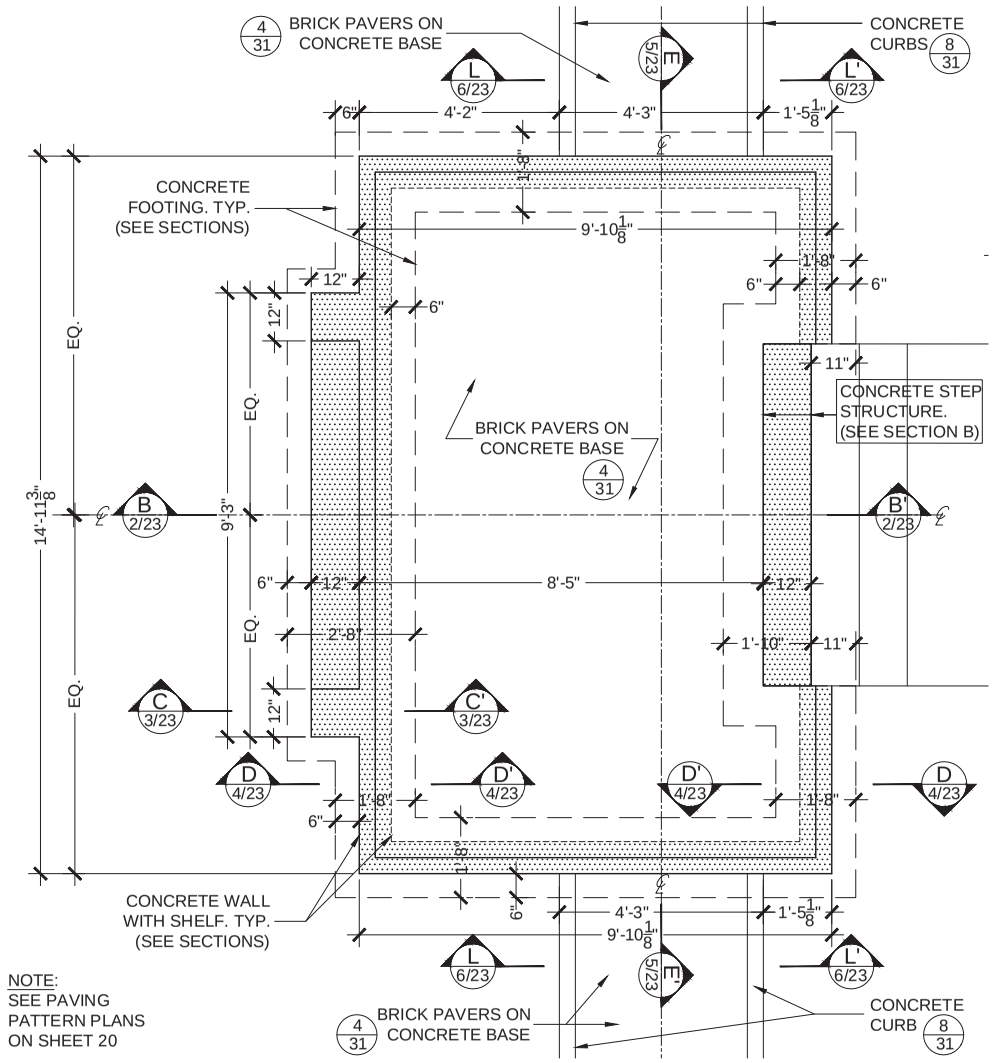
2 BRICK PAVEMENT WALKWAY/PATIO ENLARGEMENT AREA PLAN "2"

SCALE: ½"=1'-0"



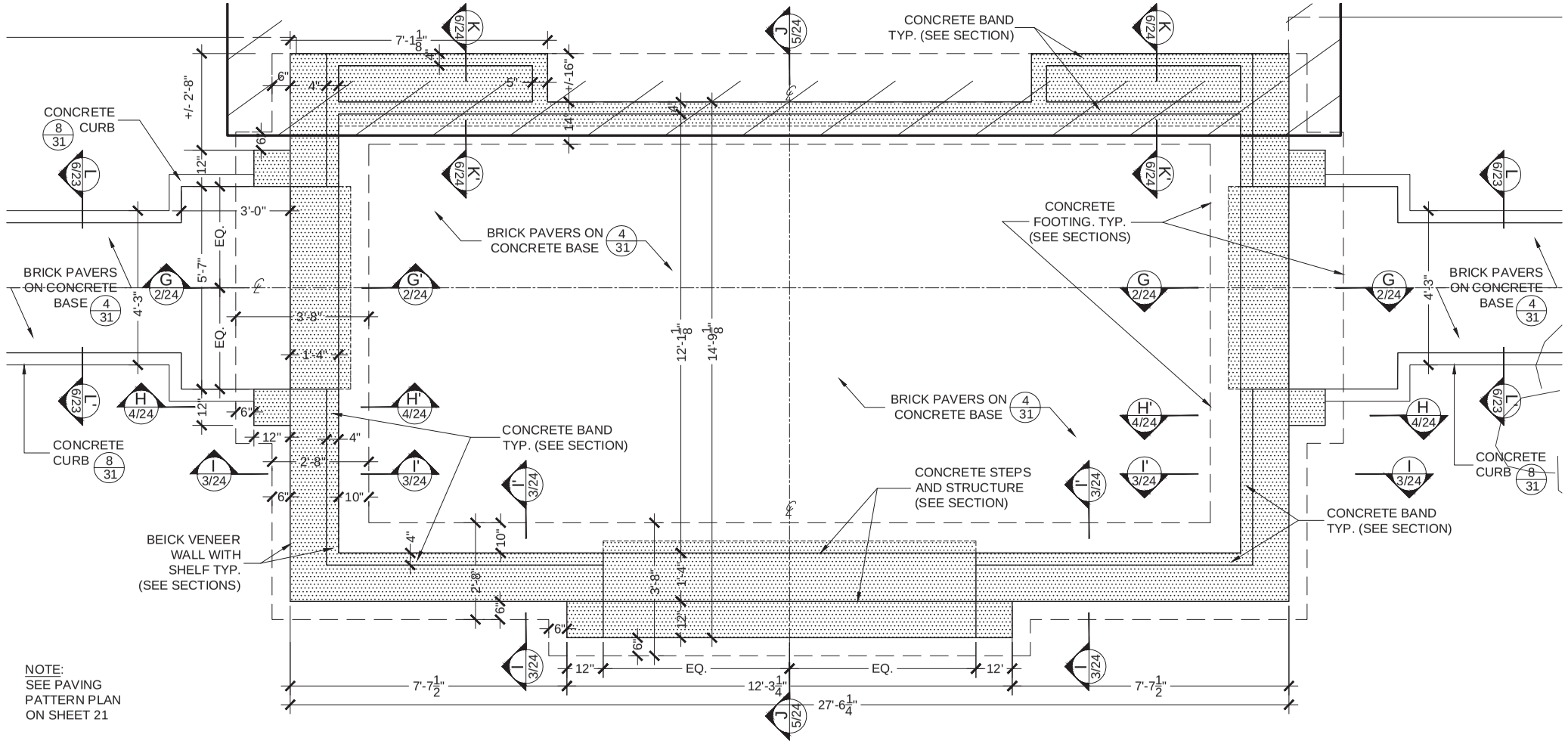
3 BRICK PAVEMENT WALKWAY/PATIO ENLARGEMENT AREA PLAN "3"

SCALE: ½"=1'-0"



4 BRICK PAVEMENT WALKWAY/PATIO ENLARGEMENT AREA PLAN "4"

SCALE: ½"=1'-0"



5 BRICK PAVEMENT WALKWAY/PATIO ENLARGEMENT AREA PLAN "5"

SCALE: ½"=1'-0"

90% PROGRESS PRINT-FOR REVIEW ONLY

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

0 1" 2" 3"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

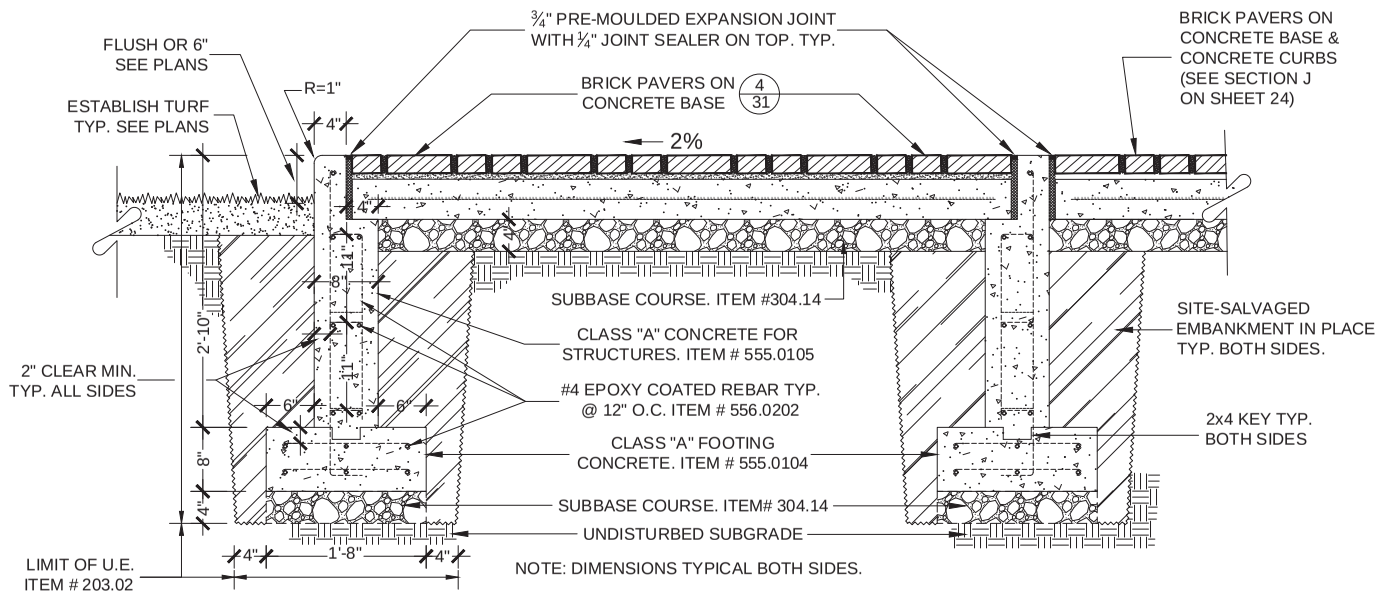
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

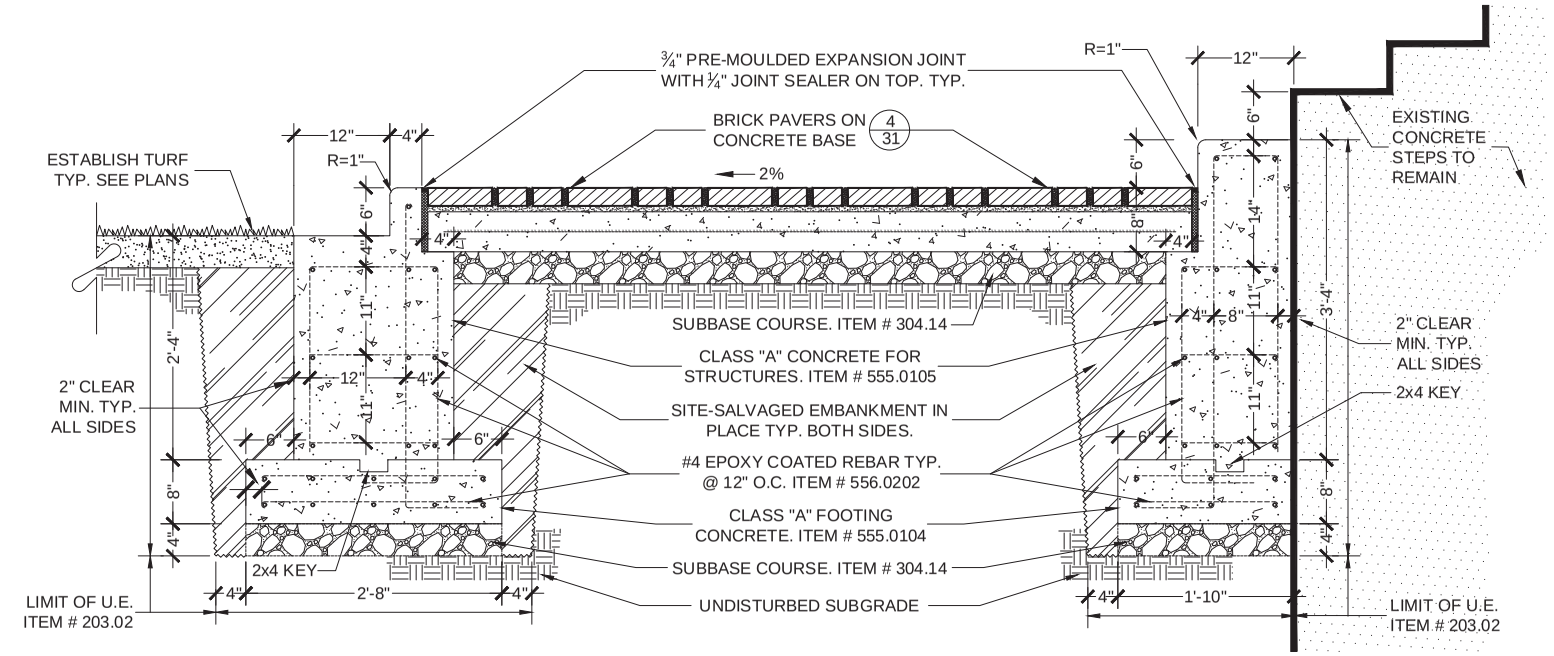
MAIN HOUSE PATIO/WALKWAY ENLARGEMENTS

CONTRACT NUMBER 20-536
SHEET NUMBER 22
SHEET NO. 22 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-40-0
REV. NO.



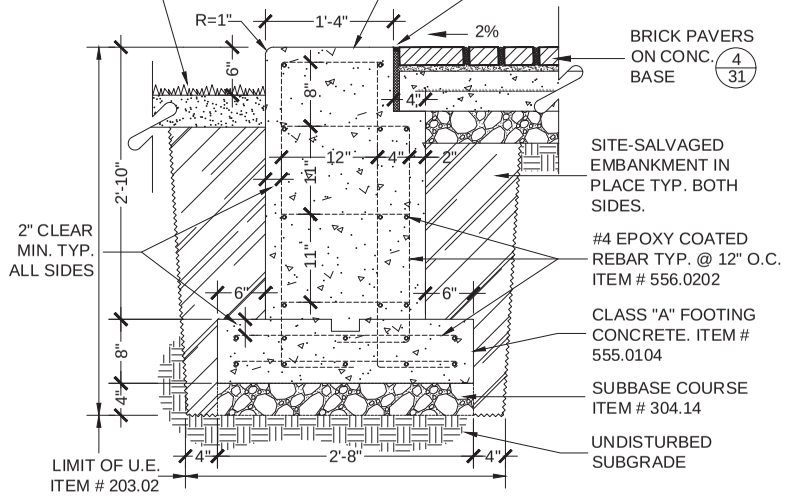
1 SECTION A-A'

SCALE: 1"=1'-0"



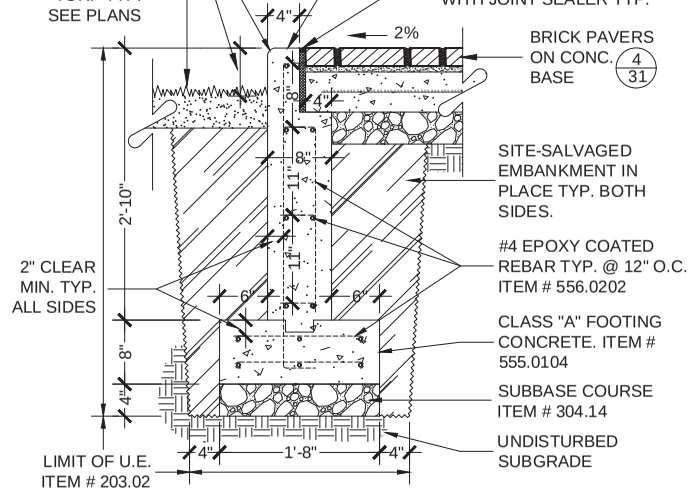
2 SECTION B-B'

SCALE: 1"=1'-0"



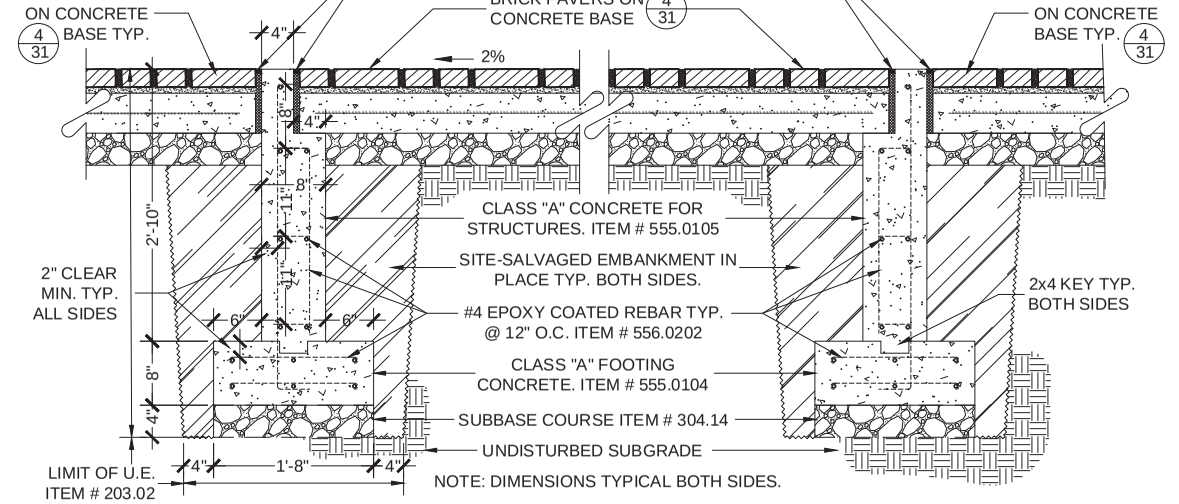
3 SECTION C-C'

SCALE: 1"=1'-0"



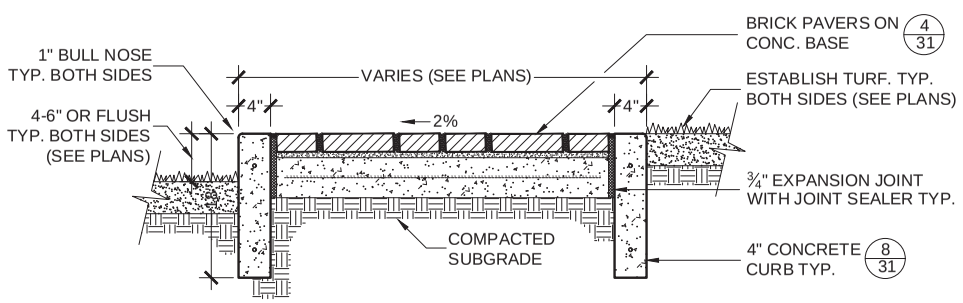
4 SECTION D-D'

SCALE: 1"=1'-0"



5 SECTION E-E'

SCALE: 1"=1'-0"



6 SECTION L-L'

SCALE: 1"=1'-0"

SITE SALVAGED EMBANKMENT IN PLACE NOTE:
SOILS GENERATED FROM EXCAVATIONS IN AREAS OF THE PROJECT SITE DENOTED AS "CONTAMINATED SOIL AREAS" THAT MEET OR EXCEED THE MATERIAL REQUIREMENTS FOR EMBANKMENT IN PLACE - ITEM# 203.03 AS APPROVED BY THE ENGINEER SHALL BE USED AS SITE SALVAGED EMBANKMENT IN PLACE TO BE PAID FOR UNDER ITEM# 205.06 - REUSE OF CONTAMINATED SOILS. ANY ADDITIONAL EMBANKMENT NEEDED TO COMPLETE THE BACKFILL OPERATIONS ONCE THE CONTAMINATED SOIL SPOILS HAVE BEEN EXHAUSTED SHALL BE PAID FOR UNDER ITEM# 203.03 - EMBANKMENT IN PLACE.

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

0 1" 2" 3"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

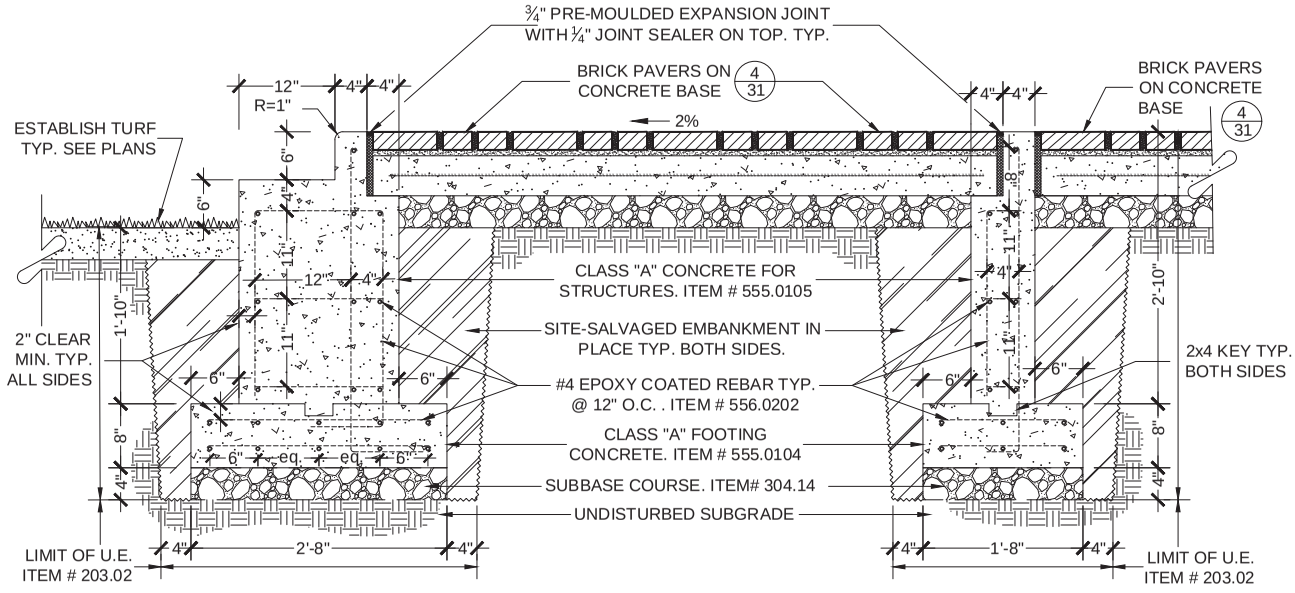
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

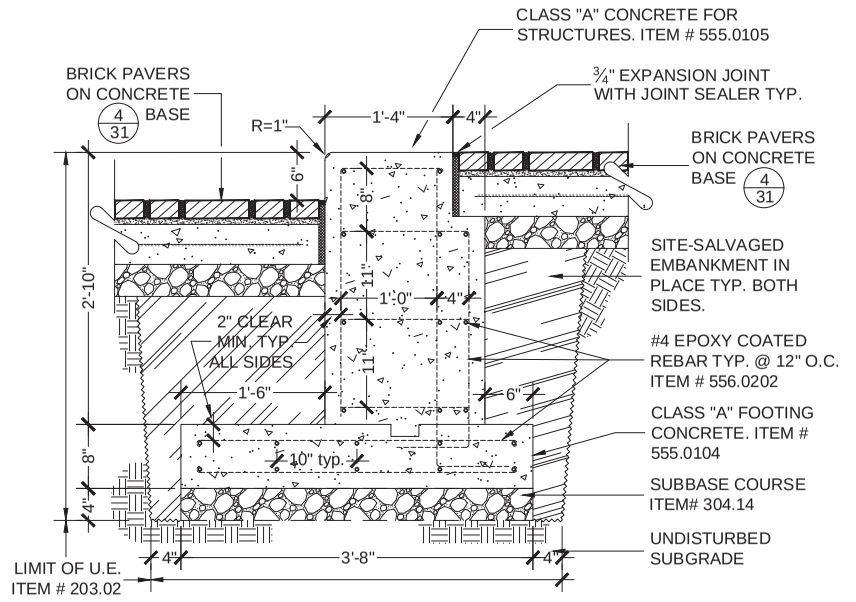
MAIN HOUSE PATIO/WALKWAY DETAILS - I

CONTRACT NUMBER 20-536
SHEET NUMBER 23
SHEET NO. 23 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-41-0
REV. NO.



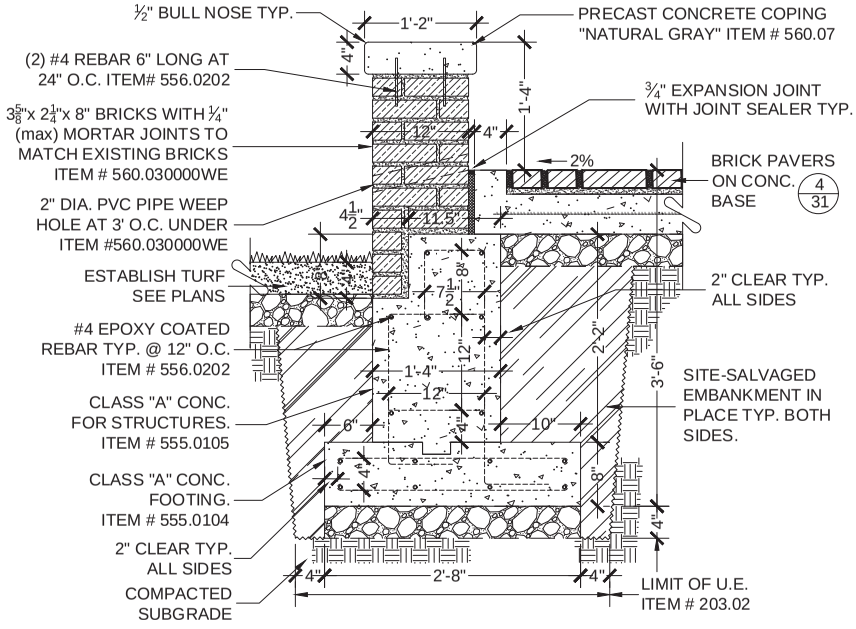
1 SECTION F-F'

SCALE: ¾"=1'-0"



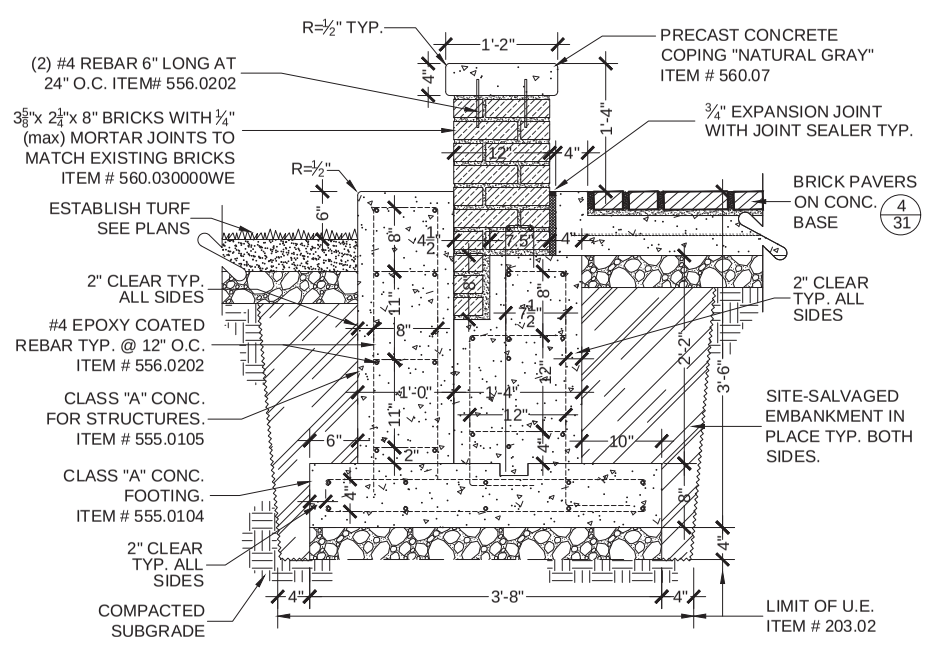
2 SECTION G-G'

SCALE: 1"=1'-0"



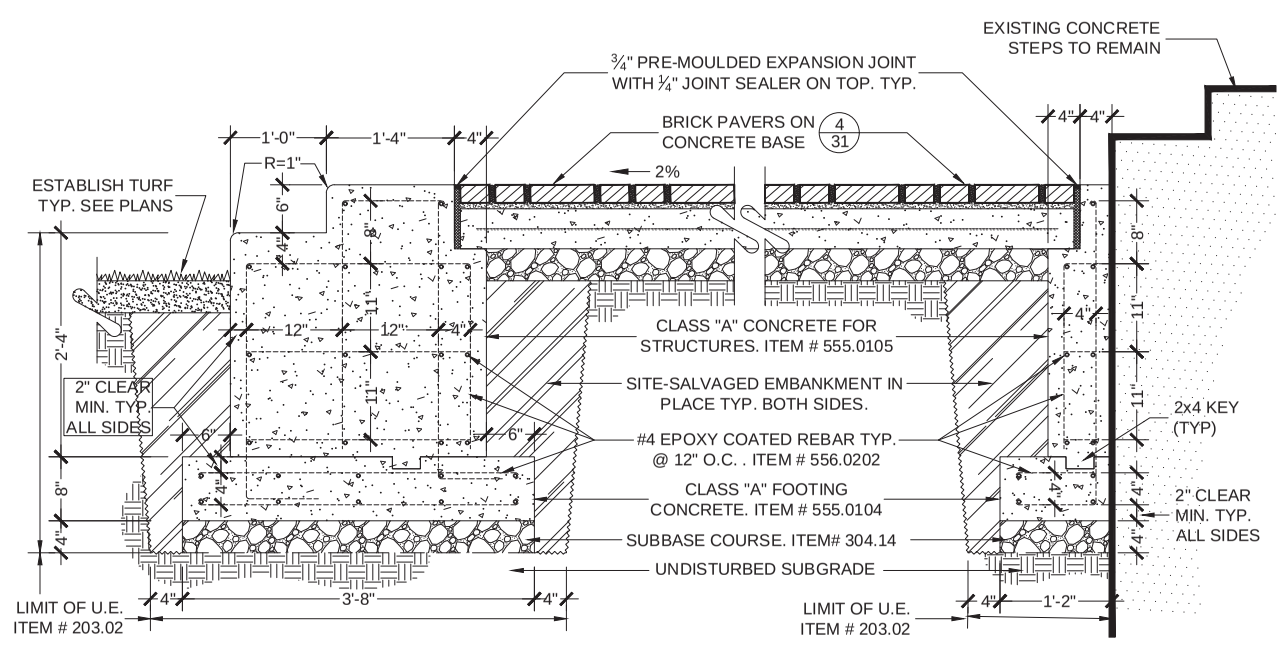
3 SECTION I-I'

SCALE: 1"=1'-0"



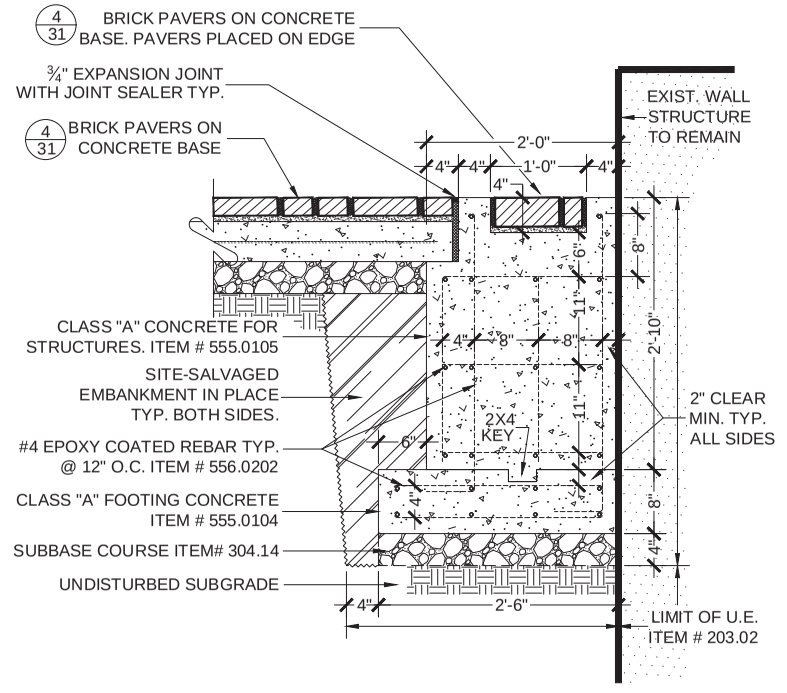
4 SECTION H-H'

SCALE: 1"=1'-0"



5 SECTION J-J'

SCALE: 1"=1'-0"



6 SECTION K-K'

SCALE: 1"=1'-0"

SITE SALVAGED EMBANKMENT IN PLACE NOTE:
SOILS GENERATED FROM EXCAVATIONS IN AREAS OF THE PROJECT SITE DENOTED AS "CONTAMINATED SOIL AREAS" THAT MEET OR EXCEED THE MATERIAL REQUIREMENTS FOR EMBANKMENT IN PLACE - ITEM# 203.03 AS APPROVED BY THE ENGINEER SHALL BE USED AS SITE SALVAGED EMBANKMENT IN PLACE TO BE PAID FOR UNDER ITEM# 205.06 - REUSE OF CONTAMINATED SOILS. ANY ADDITIONAL EMBANKMENT NEEDED TO COMPLETE THE BACKFILL OPERATIONS ONCE THE CONTAMINATED SOIL SPOILS HAVE BEEN EXHAUSTED SHALL BE PAID FOR UNDER ITEM# 203.03 - EMBANKMENT IN PLACE.

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

0 1" 2" 3"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

MAIN HOUSE PATIO/WALKWAY DETAILS - II

CONTRACT NUMBER 20-536
SHEET NUMBER 24
SHEET NO. 24 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-42-0
REV. NO.

225

EXISTING STONE WALL TO REMAIN

EXISTING CORN CRIB BUILDING

EXISTING GRAVEL WALKWAYS

EXIST LEADER DRAIN

EXISTING MONUMENT TO REMAIN

EXISTING GRAVEL WALKWAYS

EXISTING DAIRY BARN BUILDING

EXISTING PICKET FENCE TO REMAIN

EXIST. HYDRANT

EXIST WELL

CONTAMINATED SOIL AREA
EXCAVATE GARDEN PATHS TO SUBGRADE. ALL EXCAVATED SOIL TO REMAIN ON SITE FOR REUSE ELSEWHERE ON MUSCOOT FARM PROPERTY. SEE ENVIRONMENTAL SOIL NOTES ON SHEET #2 "NOTES AND ITEM LIST"

EXISTING GRAVEL WALKWAYS

EXIST. WATER VALVE

REMOVE TIMBER EDGING TYP. UNDER UNCLASSIFIED EXCAVATION AND DISPOSAL ITEM# 203.02

EXISTING PICKET FENCE TO REMAIN

TREE PROTECTION FENCING (TYP) 1/37
ITEM# W607.86

RL

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

10' 0 5' 10' 20'
1/4" inch = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GARDEN AREA SITE PREP AND REMOVALS PLAN

CONTRACT NUMBER	SHEET NUMBER
20-536	25

SHEET NO. 25 OF 62
SCALE: 1/4" = 1'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-43-0
REV. NO.

225

EXISTING STONE WALL TO REMAIN

EXISTING CORN CRIB BUILDING

EXISTING DAIRY BARN BUILDING

EXIST. HYDRANT

EXIST WELL

EXIST. WATER VALVE

EXIST. LEADER DRAIN

EXISTING MONUMENT TO REMAIN

EXISTING PICKET FENCE TO REMAIN

STABILIZED STONE SCREENINGS GARDEN PATHS "S" (TYP) 5/31

EXISTING PICKET FENCE TO REMAIN

EXIST. RAMP

RL

IN CHARGE OF R. LOPANE

CHECKED BY R. LOPANE

MADE BY R. LOPANE

10' 0 5' 10' 20'

1/4" inch = 1'-0"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED

☐ AS BUILT – NO CHANGES

CONTRACTOR

NAME

SIGNATURE

TITLE DATE

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE DATE

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

GARDEN AREA LAYOUT AND MATERIALS PLAN

CONTRACT NUMBER 20-536

SHEET NUMBER 26

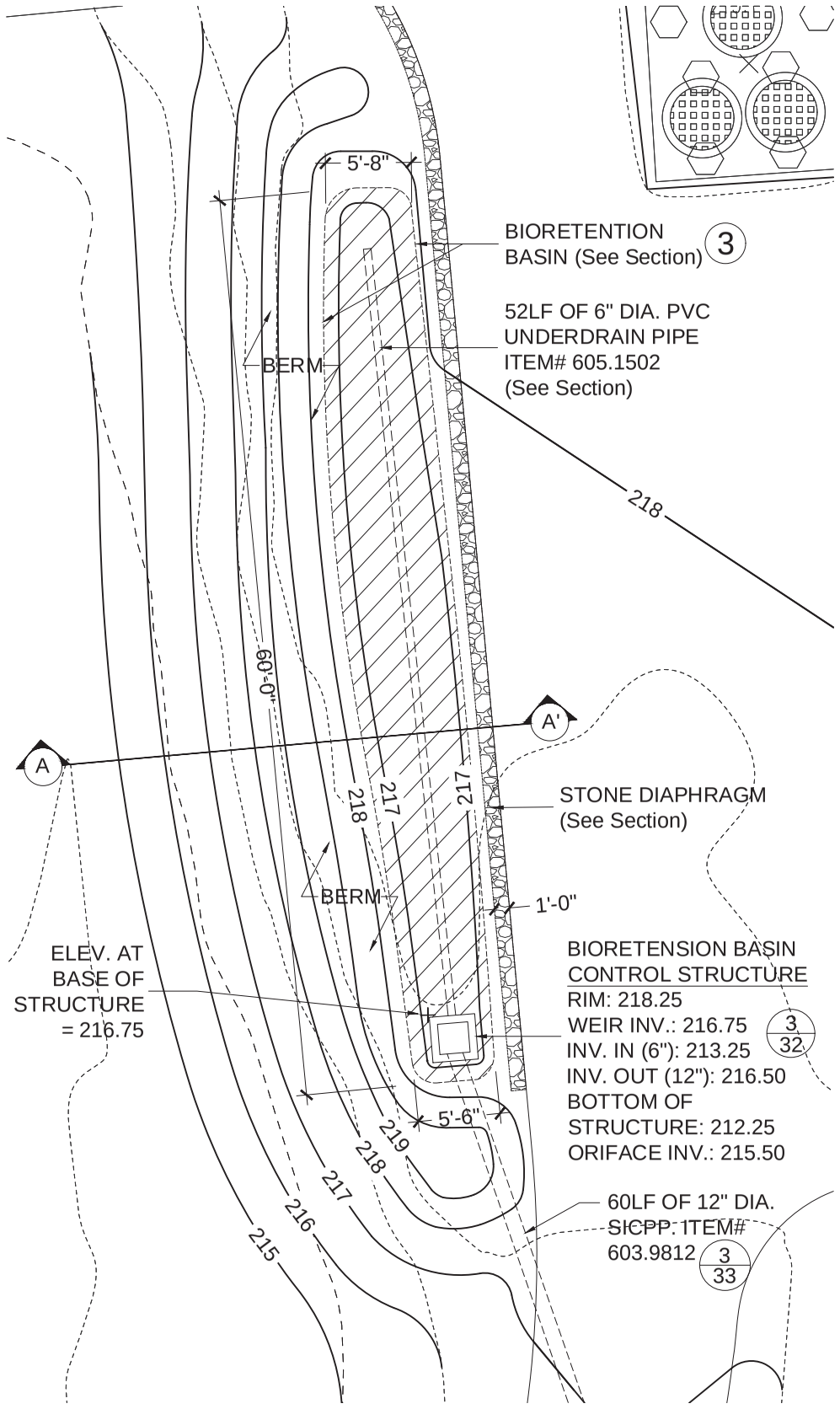
SHEET NO. 26 OF 62

SCALE: 1/4" = 1'-0"

DATE: 01/10/2023

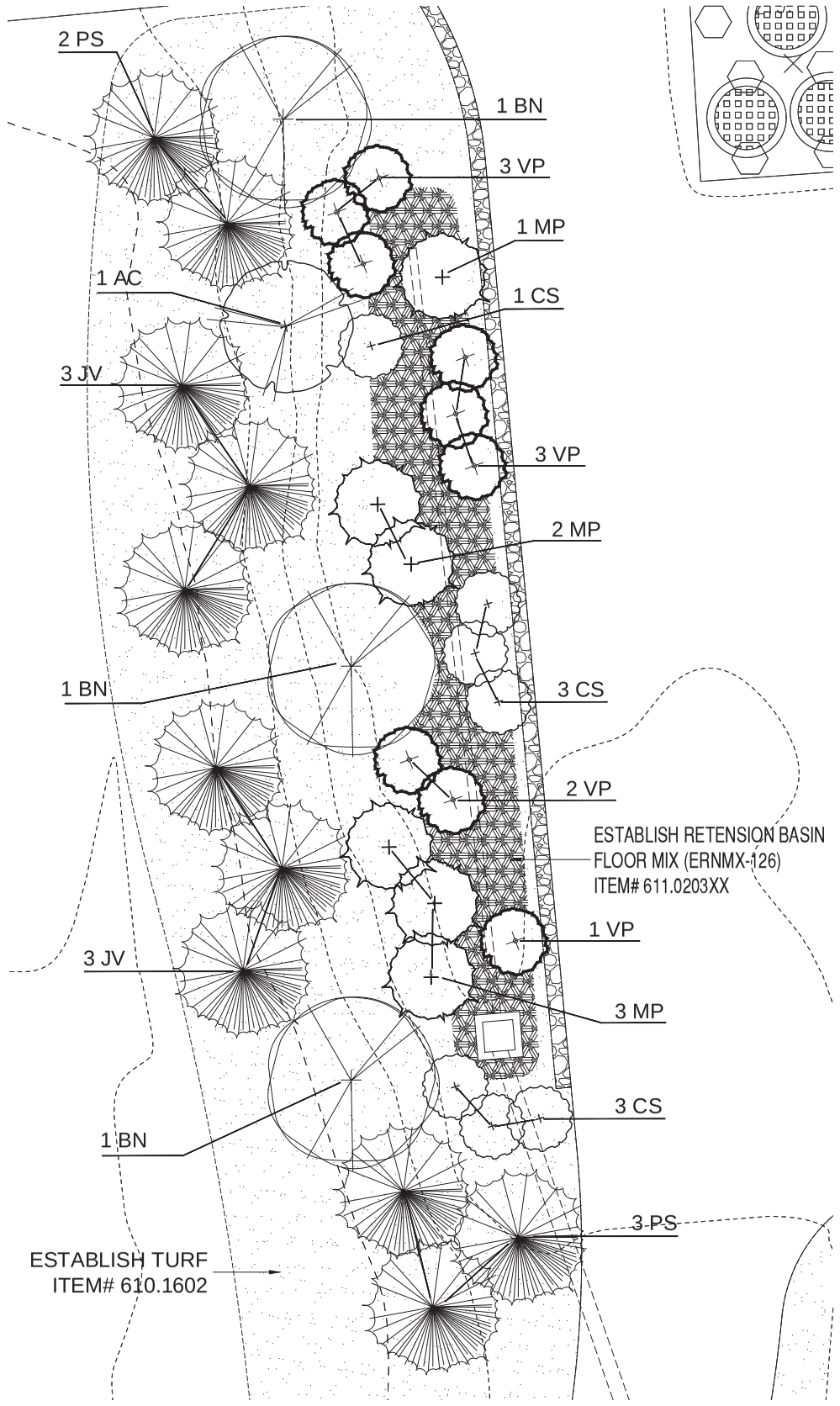
DPW FILE NO. 91-01-G-44-0

REV. NO.



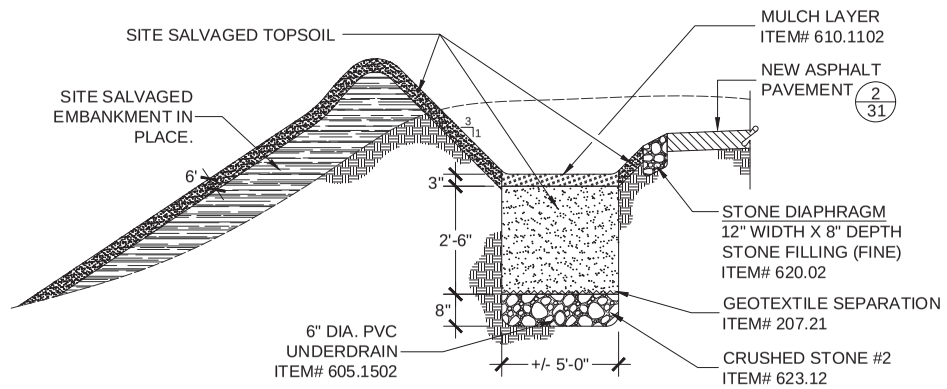
1 BIORETENTION BASIN LAYOUT, GRADING & MATERIALS PLAN

SCALE: 3/16"=1'-0"



2 BIORETENTION BASIN PLANTING PLAN

SCALE: 3/16"=1'-0"



3 BIO-RETENSION BASIN - SECTION A-A'

SCALE: Horiz- 1/4"=1'-0", Vert- 1/2"=1'-0"

SITE SALVAGED SOILS NOTE:

1. SOILS GENERATED FROM EXCAVATIONS IN AREAS OF THE PROJECT SITE DENOTED AS "CONTAMINATED SOIL AREAS" THAT MEET OR EXCEED THE MATERIAL REQUIREMENTS FOR EMBANKMENT IN PLACE - ITEM# 203.03 AS APPROVED BY THE ENGINEER SHALL BE USED AS SITE SALVAGED EMBANKMENT IN PLACE TO BE PAID FOR UNDER ITEM# 205.06 - REUSE OF CONTAMINATED SOILS. ANY ADDITIONAL EMBANKMENT NEEDED TO COMPLETE THE BACKFILL OPERATIONS ONCE THE CONTAMINATED SOIL SPOILS HAVE BEEN EXHAUSTED SHALL BE PAID FOR UNDER ITEM# 203.03 - EMBANKMENT IN PLACE.

2. SOILS GENERATED FROM EXCAVATIONS IN AREAS OF THE PROJECT SITE DENOTED AS "CONTAMINATED SOIL AREAS" THAT MEET OR EXCEED THE MATERIAL REQUIREMENTS FOR TOPSOIL - ITEM# 610.1401 AS APPROVED BY THE ENGINEER SHALL BE USED AS SITE SALVAGED TOPSOIL TO BE PAID FOR UNDER UNDER ITEM# 205.06 - REUSE OF CONTAMINATED SOILS. ANY ADDITIONAL TOPSOIL NEEDED TO COMPLETE THE TOPSOIL OPERATIONS ONCE THE CONTAMINATED SOIL SPOILS HAVE BEEN EXHAUSTED SHALL BE PAID FOR UNDER ITEM# 610.1401 - TOPSOIL.

PLANT SCHEDULE

LEGEND	ITEM #	SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
				TREES			
	611.0211	AC	1	Amelanchier canadensis	Shadbush	7'-8' ht.	B & B
	611.0211	BN	3	Betula nigra	River Birch	7'-8' ht.	B & B
	611.0381	JV	6	Juniperus virginiana	Eastern Red Cedar	8' ht.	B & B
	611.0381	PS	5	Pinus Strobus	White Pine	8'-10' ht.	B & B
				SHRUBS			
	611.0452	CS	7	Cornus sericea	Red Twig Dogwood	3' ht./spread	#5 Container
	611.0452	MP	6	Myrica pennsylvanica	Bayberry	3' ht./spread	#5 Container
	611.0452	VP	9	Viburnam prunifolium	Blackhaw Viburnum	3' ht./spread	#5 Container
				TURF			
	610.1602	250 sy		Establish Turf, Type "C' Lawn Seed Mix (SEC. 713-04)		SEED MIX	ESTABLISH SEED MIX AS PER SPEC. WHERE SHOWN ON PLANS
	610.020302WE	50 sy		Retention Basin Floor Mix (ERNMX-126)		SEED MIX	

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

0 1" 2" 3"

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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☐ AS BUILT – NO CHANGES

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SIGNATURE
TITLE DATE

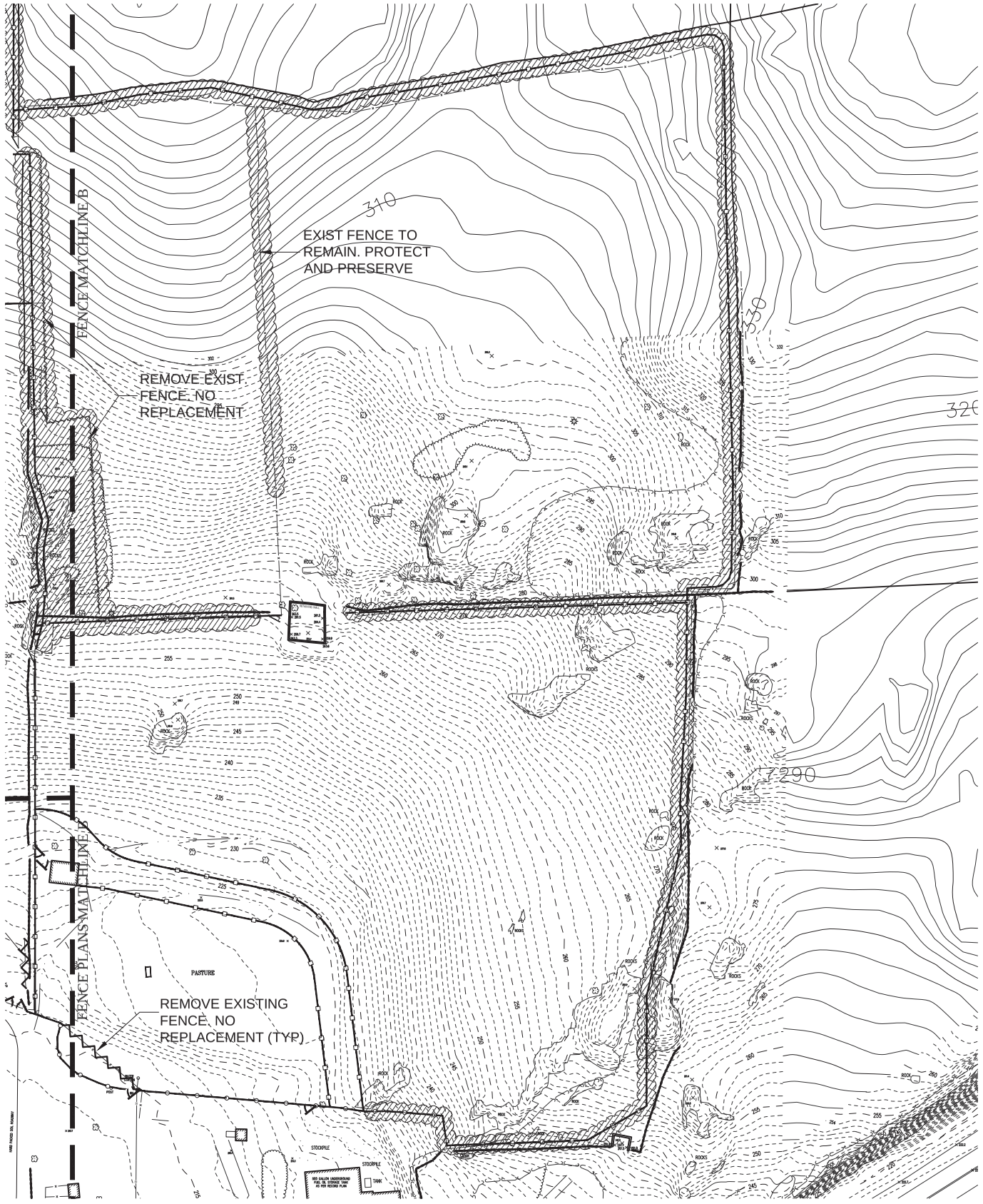
PROJECT COORDINATOR
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SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

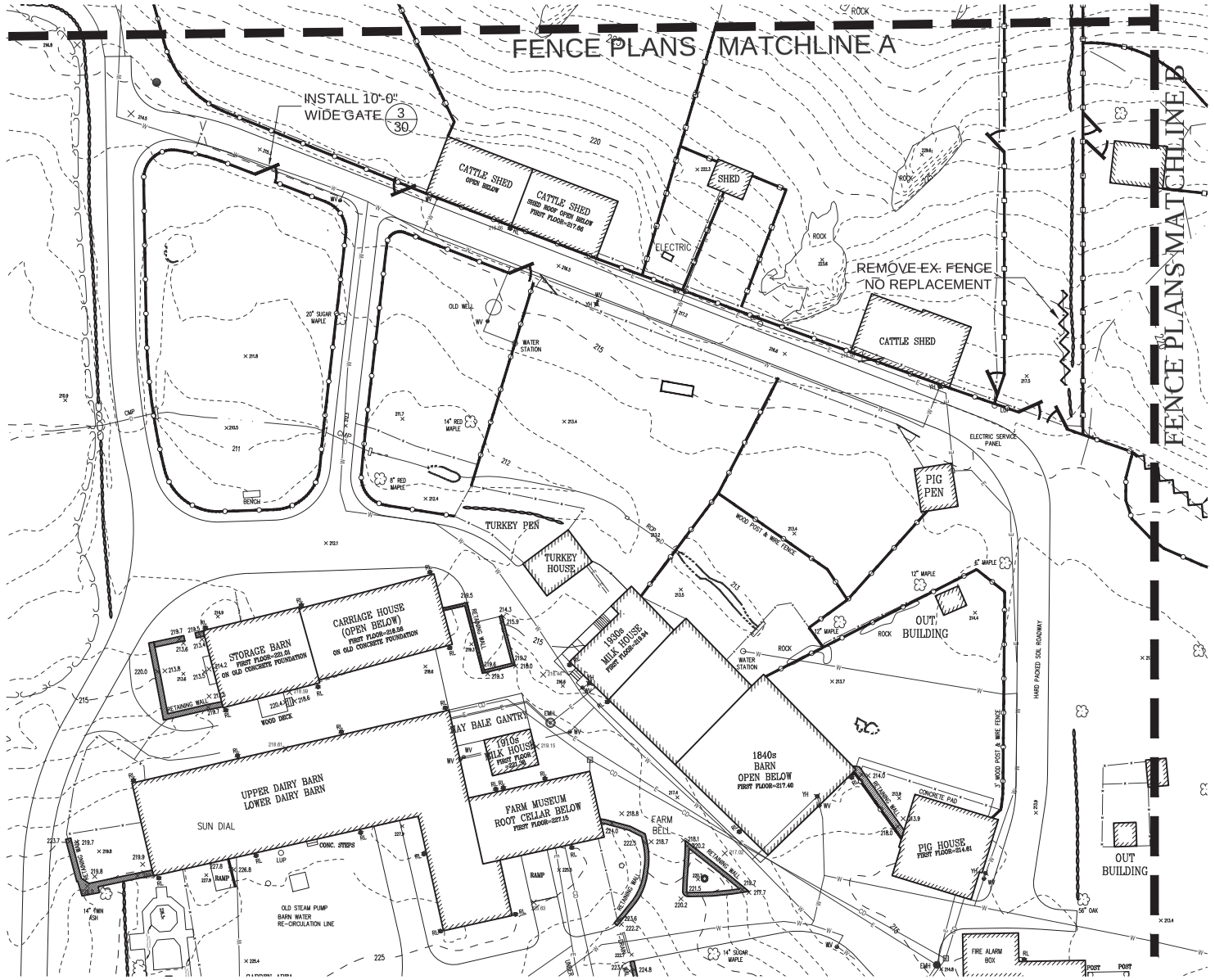
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

BIORETENTION BASIN PLAN AND DETAILS

CONTRACT NUMBER 20-536
SHEET NUMBER 27
SHEET NO. 27 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-45-0
REV. NO.



SCALE: 1"=50'-0"



SCALE: 1"=30'-0"

LEGEND:

- EXISTING FENCE TO REMAIN
- REMOVE EXISTING FENCE & INSTALL NEW WOOD POST WITH WOOD RAIL WOVEN WIRE FENCE (2/30)
- REMOVE EXISTING FENCE & INSTALL NEW WOOD & STEEL POST WOVEN WIRE FENCE (1/30)
- CLEARING & GRUBBING WHERE REQUIRED ITEM #201.07
- EXISTING GATE TO REMAIN (SEE NOTE #4 BELOW)
- NEW FIELD GATE OF SIZE SHOWN. (SEE NOTE #5 BELOW) (3/30)

NOTES:

1) EXACT LOCATION OF NEW FENCE TO BE VERIFIED IN FIELD BY MUSCOOT FARM STAFF.
2) REMOVAL OF ALL EXISTING FENCES TO PAID FOR UNDER ITEM# 607.960100WE
3) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT, THE PAY LIMIT FOR CLEARING AND GRUBBING SHALL BE 5'-0" FROM THE CENTERLINE OF THE FENCE.
4) WHERE EXISTING GATES ARE TO REMAIN IN AREAS WHERE FENCE IS BEING REPLACED, REMOVE AND RE-INSTALL EXISTING GATES ON NEW POSTS. **NO DIRECT PAYMENT**. COST OF TO BE INCLUDED UNDER THE RESPECTIVE FENCE ITEM# 607.190XXXWE.
5) ALL EXISTING GATES BEING REPLACED WITH NEW FENCE GATES SHALL BE SALVAGED AND PROVIDED TO MUSCOOT FARM STAFF. **NO DIRECT PAYMENT**. COST TO BE INCLUDED UNDER THE RESPECTIVE GATE ITEM# 607.4010XXWE

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

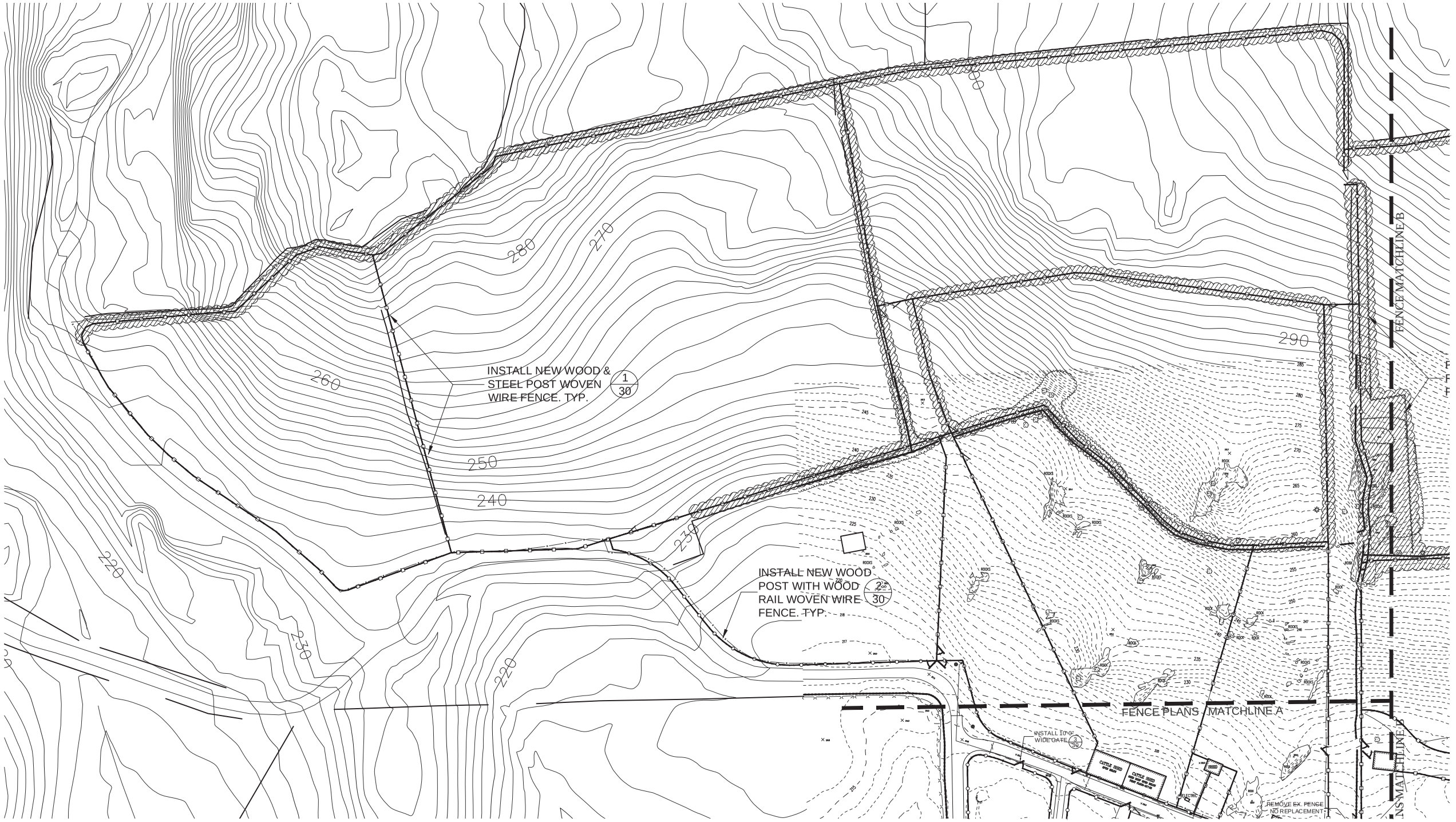
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

FENCING IMPROVEMENT PLANS - I

CONTRACT NUMBER	SHEET NUMBER
20-536	28

SHEET NO. 28 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-46-0
REV. NO.



SCALE: 1"=50'-0"

LEGEND:

- EXISTING FENCE TO REMAIN
- REMOVE EXISTING FENCE & INSTALL NEW WOOD POST WITH WOOD RAIL WOVEN WIRE FENCE (2/30)
- REMOVE EXISTING FENCE & INSTALL NEW WOOD & STEEL POST WOVEN WIRE FENCE (1/30)
- CLEARING & GRUBBING WHERE REQUIRED ITEM #201.070000WE
- EXISTING GATE TO REMAIN (SEE NOTE #4 BELOW)
- NEW LIVESTOCK GATE OF SIZE SHOWN. (SEE NOTE #5 BELOW) (3/30)

NOTES:

1) EXACT LOCATION OF NEW FENCE TO BE VERIFIED IN FIELD BY MUSCOOT FARM STAFF.
2) REMOVAL OF ALL EXISTING FENCES TO PAID FOR UNDER ITEM# 607.960100WE
3) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT, THE PAY LIMIT FOR CLEARING AND GRUBBING SHALL BE 5'-0" FROM THE CENTERLINE OF THE FENCE.
4) WHERE EXISTING GATES ARE TO REMAIN IN AREAS WHERE FENCE IS BEING REPLACED, REMOVE AND RE-INSTALL EXISTING GATES ON NEW POSTS. **NO DIRECT PAYMENT**. COST OF TO BE INCLUDED UNDER THE RESPECTIVE FENCE ITEM# 607.190XXXWE.
5) ALL EXISTING GATES BEING REPLACED WITH NEW LIVESTOCK GATES SHALL BE SALVAGED AND PROVIDED TO MUSCOOT FARM STAFF. **NO DIRECT PAYMENT**. COST OF TO BE INCLUDED UNDER THE RESPECTIVE GATE ITEM# 607.4010XXWE

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

50 0 50 100
1 inch = 50 ft.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

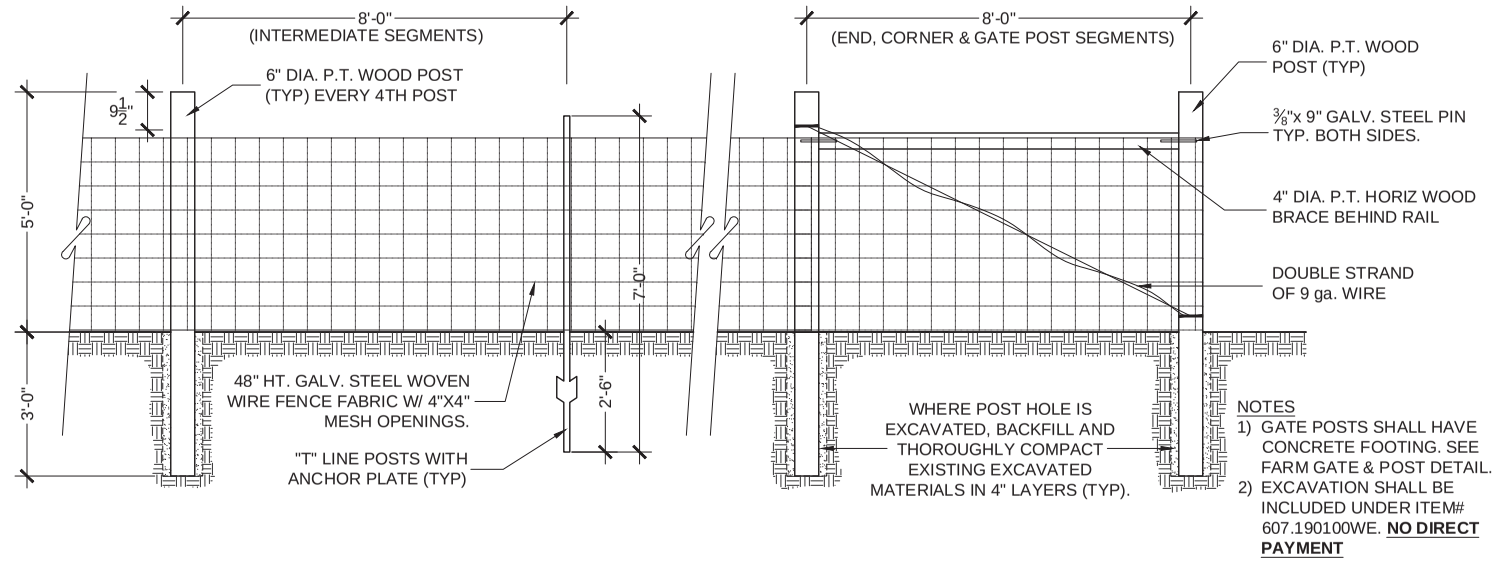
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

FENCING IMPROVEMENT PLANS - II

CONTRACT NUMBER	SHEET NUMBER
20-536	29

SHEET NO. 29 OF 62
SCALE: 1" = 50'-0"
DATE: 01/10/2023
DPW FILE NO. 91-01-G-47-0
REV. NO.

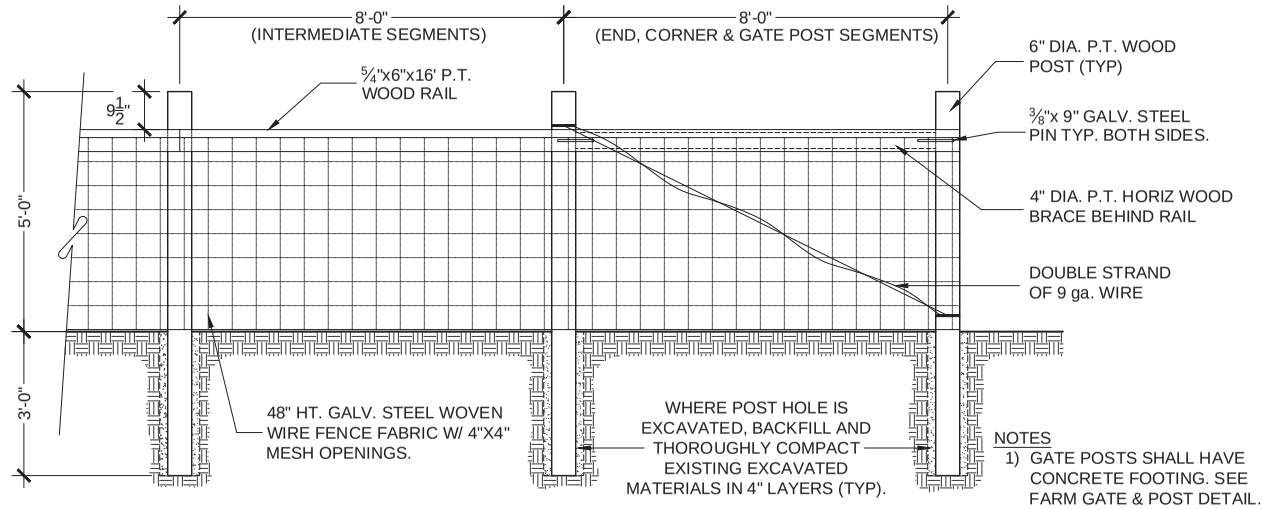


NOTES
1) GATE POSTS SHALL HAVE CONCRETE FOOTING. SEE FARM GATE & POST DETAIL.
2) EXCAVATION SHALL BE INCLUDED UNDER ITEM# 607.190100WE. **NO DIRECT PAYMENT**

1 WOVEN WIRE FENCE - WOOD & STEEL POST

(ITEM# 607.190100WE)

SCALE: 1/2" =1'-0"

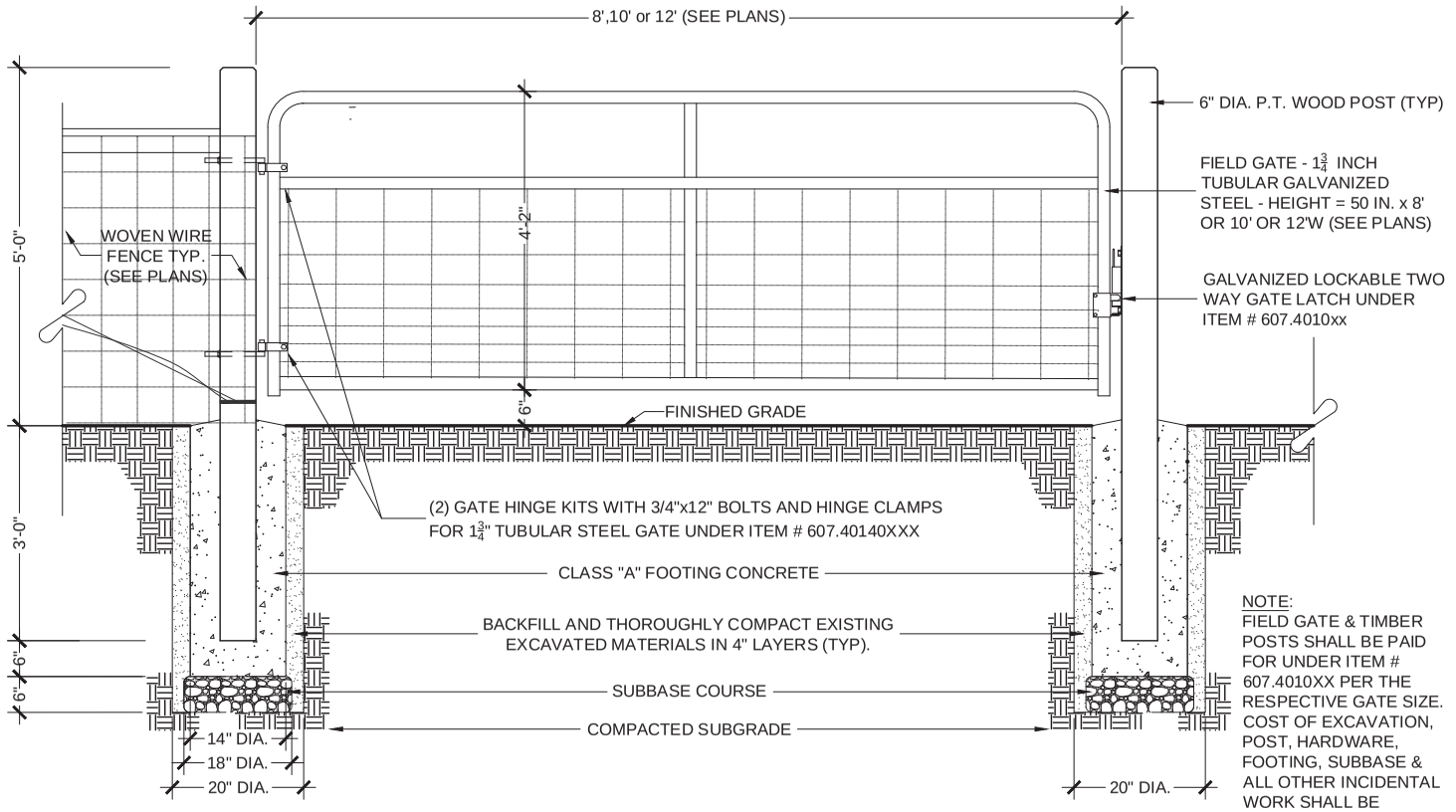


NOTES
1) GATE POSTS SHALL HAVE CONCRETE FOOTING. SEE FARM GATE & POST DETAIL.
2) EXCAVATION SHALL BE INCLUDED UNDER ITEM# 607.190200WE. **NO DIRECT PAYMENT**

2 WOVEN WIRE FENCE - WOOD POST WITH WOOD RAIL

(ITEM # 607.190200WE)

SCALE: 1/2"=1'-0"

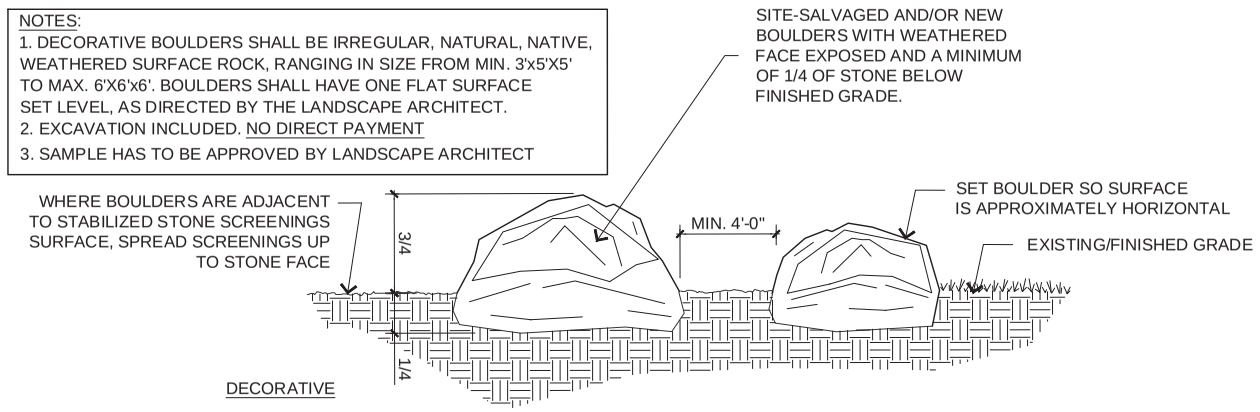


NOTE:
FIELD GATE & TIMBER POSTS SHALL BE PAID FOR UNDER ITEM # 607.4010XX PER THE RESPECTIVE GATE SIZE. COST OF EXCAVATION, POST, HARDWARE, FOOTING, SUBBASE & ALL OTHER INCIDENTAL WORK SHALL BE INCLUDED. **NO DIRECT PAYMENT.**

3 FIELD GATE & TIMBER POSTS

SCALE= ¾"=1'-0"

NOTES:
1. DECORATIVE BOULDERS SHALL BE IRREGULAR, NATURAL, NATIVE, WEATHERED SURFACE ROCK, RANGING IN SIZE FROM MIN. 3'x5'X5' TO MAX. 6'X6'x6'. BOULDERS SHALL HAVE ONE FLAT SURFACE SET LEVEL, AS DIRECTED BY THE LANDSCAPE ARCHITECT.
2. EXCAVATION INCLUDED. NO DIRECT PAYMENT
3. SAMPLE HAS TO BE APPROVED BY LANDSCAPE ARCHITECT



4 RANDOM BOULDER PLACEMENT

(ITEM #620.290100WE)

NOT TO SCALE

0 1" 2" 3"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

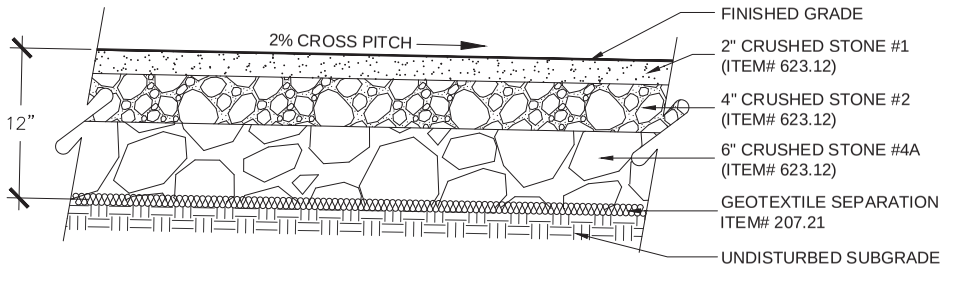
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

FENCE AND GATE DETAILS

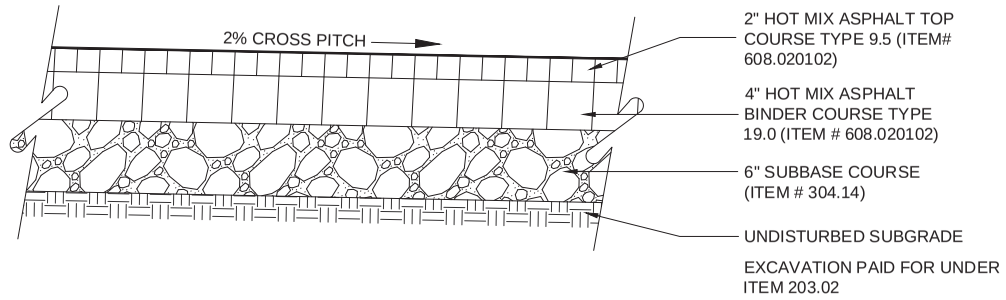
CONTRACT NUMBER	SHEET NUMBER
20-536	30

SHEET NO. 30 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-48-0
REV. NO.



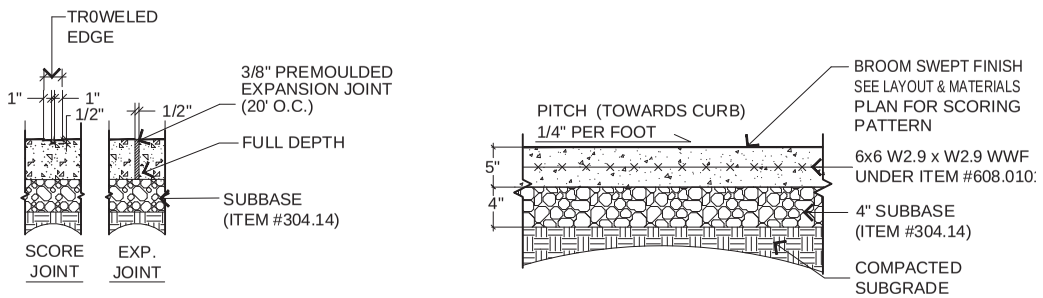
1 GRAVEL PATHWAYS

SCALE: $1\frac{1}{2}$"=1'-0"



2 FULL DEPTH ASPHALT PAVEMENT FOR ROADS

SCALE: $1\frac{1}{2}$"=1'-0"

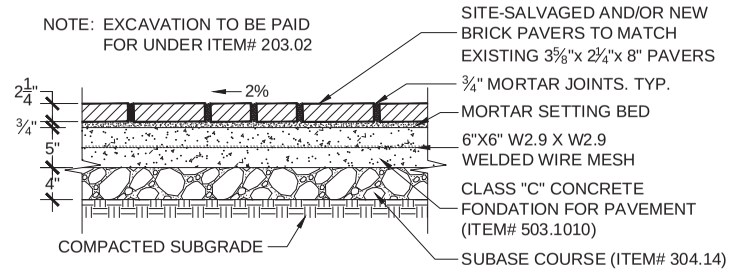


NOTE: EXCAVATION TO BE PAID FOR UNDER UNCLASSIFIED EXCAVATION (ITEM #203.02)

3 5" CONCRETE PAVEMENT

(ITEM #608.0101)

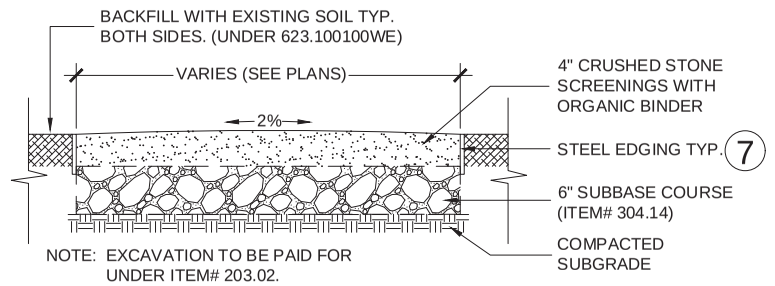
SCALE 1"=1'-0"



4 BRICK PAVEMENT ON CONCRETE BASE

ITEM# 608.040010WE

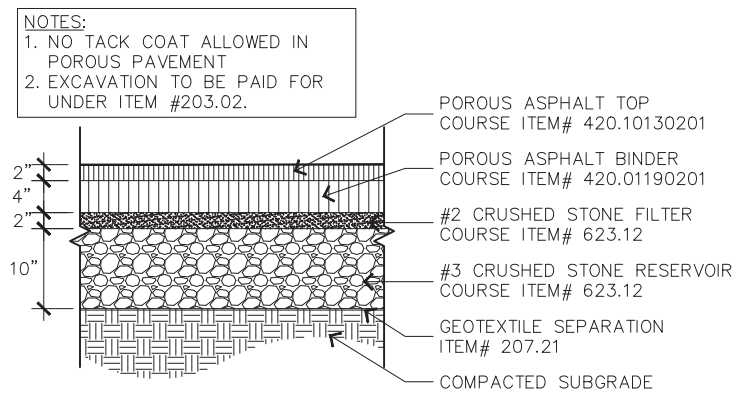
SCALE: 1"=1'-0"



5 STABILIZED STONE SCREENINGS

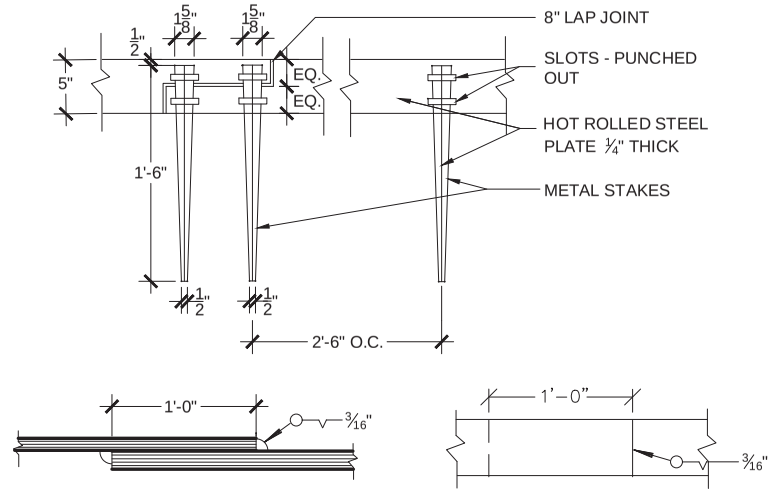
ITEM# 623.100100WE

SCALE: 1"=1'-0"



6 POROUS ASPHALT PAVEMENT FOR PARKING LOTS

SCALE 1"=1'-0"



PLAN

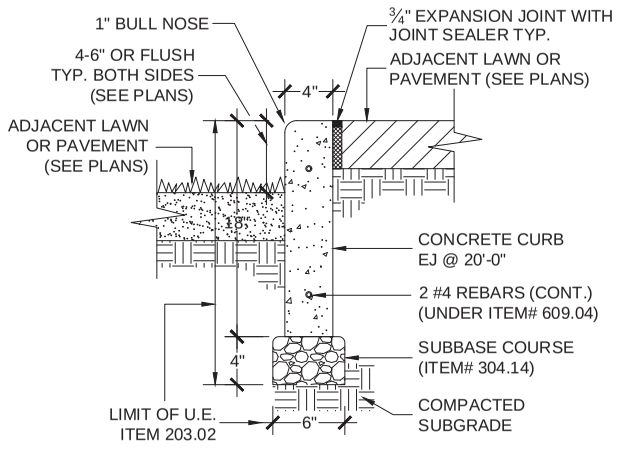
ELEVATION

NOTES:
1. ALL ANGLES, ARCS, RADII, SHALL BE MECHANICALLY BENT
2. ALL WELDS TO BE PAINTED TO MATCH PAINTED CURBS

7 STEEL EDGING

ITEM# 609.151000WE

SCALE: 1"=1'-0"



8 4" CONCRETE CURB

ITEM# 609.04

SCALE: $1\frac{1}{2}$"=1'-0"

0 1" 2" 3"

IN CHARGE OF R. LOPANE

CHECKED BY R. LOPANE

MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED

☐ AS BUILT – NO CHANGES

CONTRACTOR

NAME

SIGNATURE

TITLE DATE

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PAVEMENT DETAILS

CONTRACT NUMBER 20-536

SHEET NUMBER 31

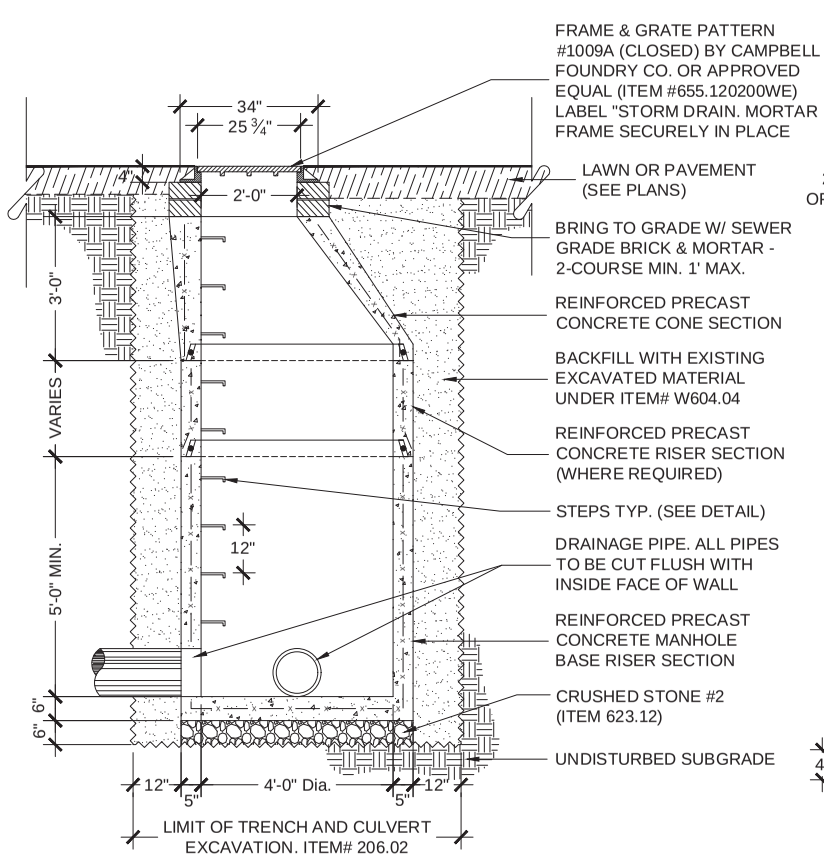
SHEET NO. 31 OF 62

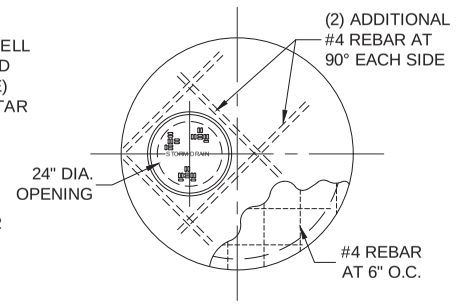
SCALE: AS SHOWN

DATE: 01/10/2023

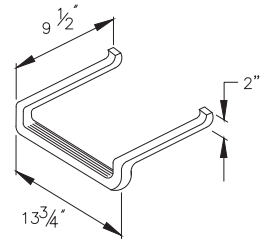
DPW FILE NO. 91-01-G-49-0

REV. NO.

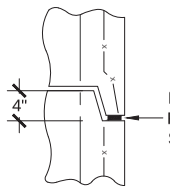




TOP VIEW



STEP DETAIL



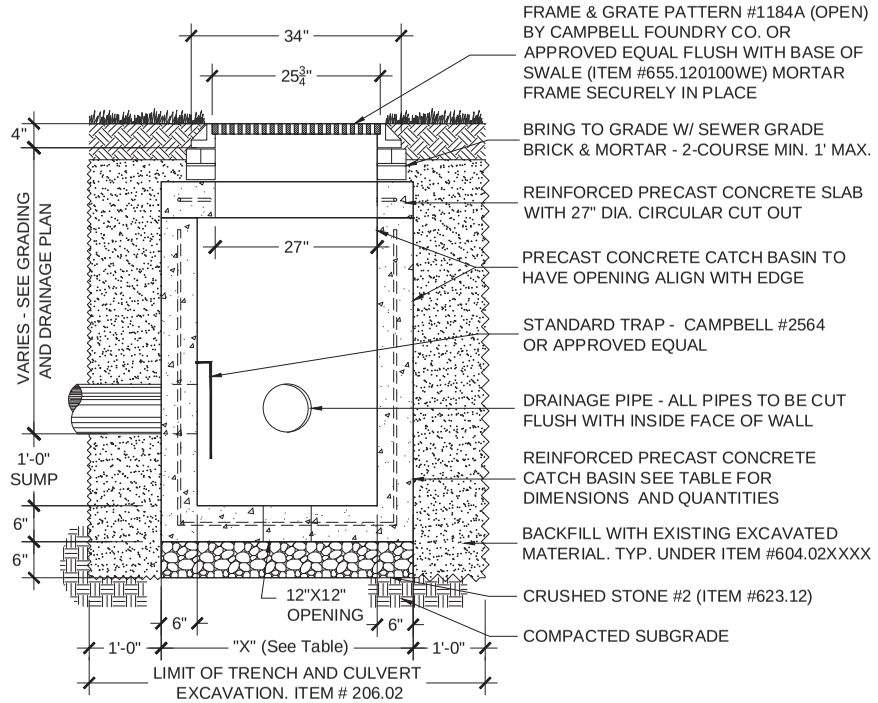
BUTYL RUBBER FEDERAL SPEC SS-S-00210(GSA-FSS)

JOINT DETAIL

1 MANHOLE

ITEM# 604.040000WE

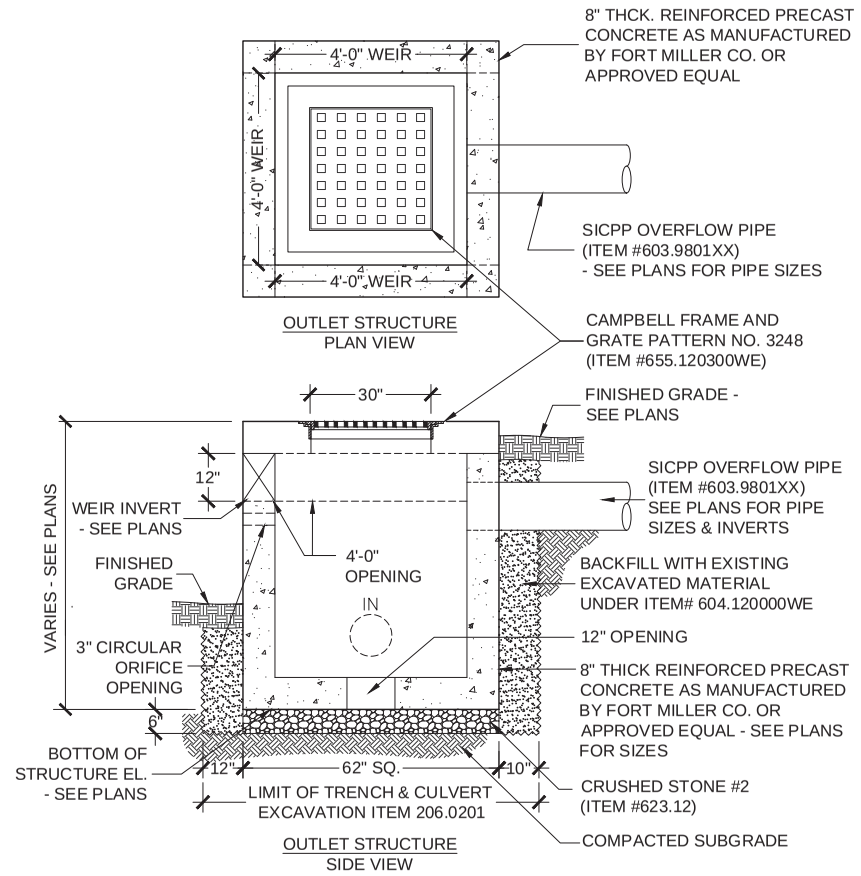
SCALE: ½"=1'-0"



TYPE	EXTERIOR DIMENSIONS "X"	INTERIOR DIMENSIONS	QUANTITY	ITEM #
24" x 24" CATCH BASIN	36" X 36"	24" X 24"	3	604.020036WE
36" x 36" CATCH BASIN	48" X 48"	36" X 36"	5	604.020048WE

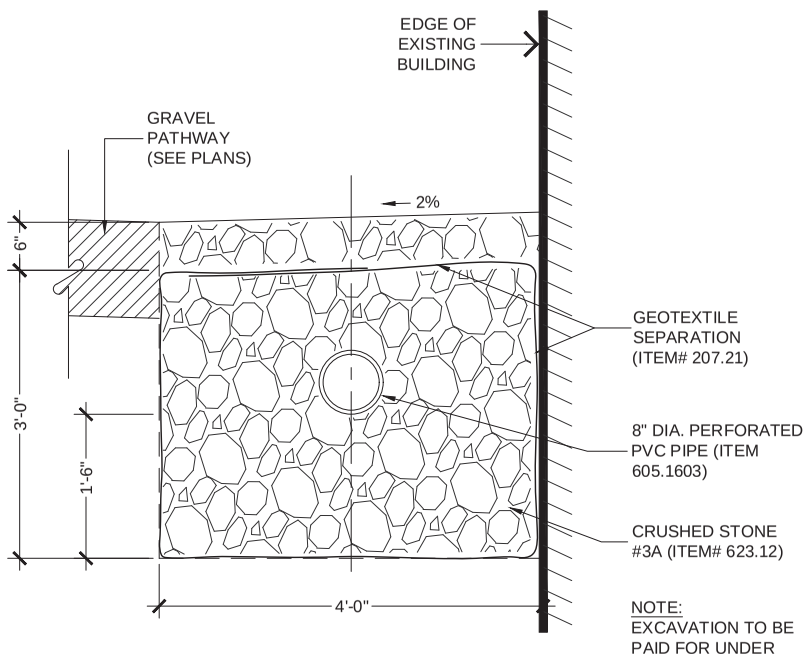
2 CATCH BASIN

SCALE 3/4"=1'-0"



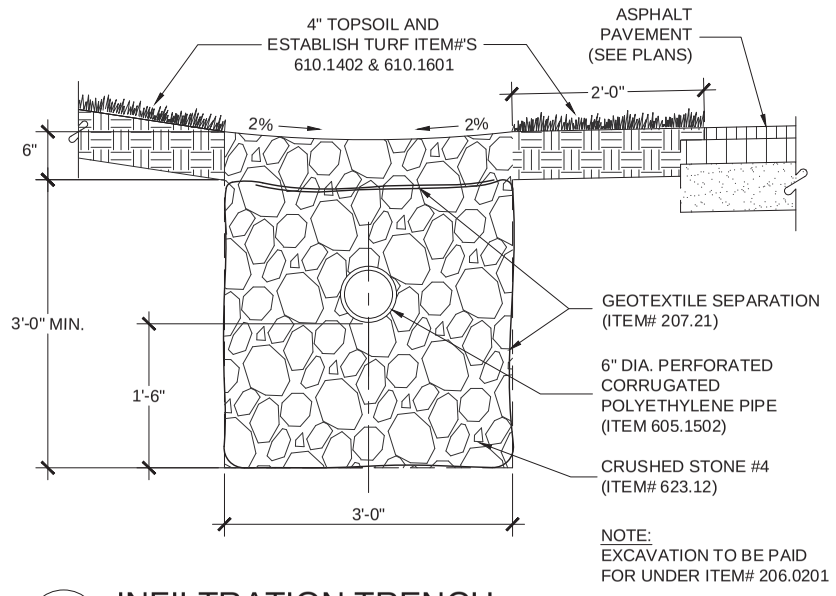
3 PRECAST OUTLET CONTROL STRUCTURE (ITEM # 604.120000WE)

SCALE: 1/2"=1'-0"



4 INFILTRATION TRENCH AT BUILDING

SCALE: 1" = 1'-0"



5 INFILTRATION TRENCH AT PARKING LOT

SCALE: 1" = 1'-0"

0 1" 2" 3"

IN CHARGE OF R. LOPANE

CHECKED BY R. LOPANE

MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED

☐ AS BUILT – NO CHANGES

CONTRACTOR

NAME

SIGNATURE

TITLE DATE

PROJECT COORDINATOR

NAME

SIGNATURE

TITLE DATE

WESTCHESTER COUNTY, NEW YORK

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS

ALFRED B. DELBELLO MUSCOOT FARM

SOMERS, NEW YORK

DRAINAGE DETAILS - I

CONTRACT NUMBER 20-536

SHEET NUMBER 32

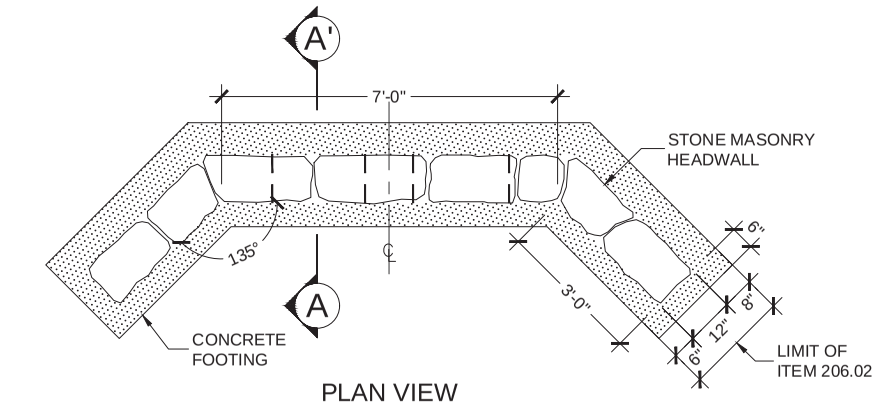
SHEET NO. 32 OF 62

SCALE: AS SHOWN

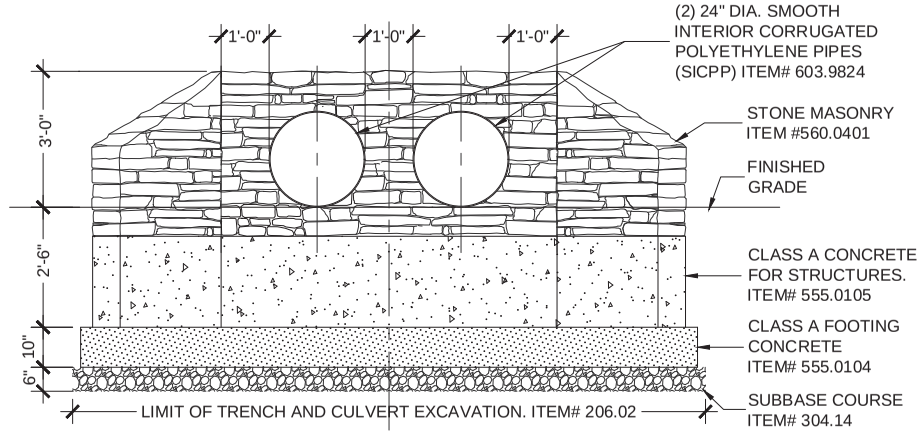
DATE: 01/10/2023

DPW FILE NO. 91-01-G-50-0

REV. NO.



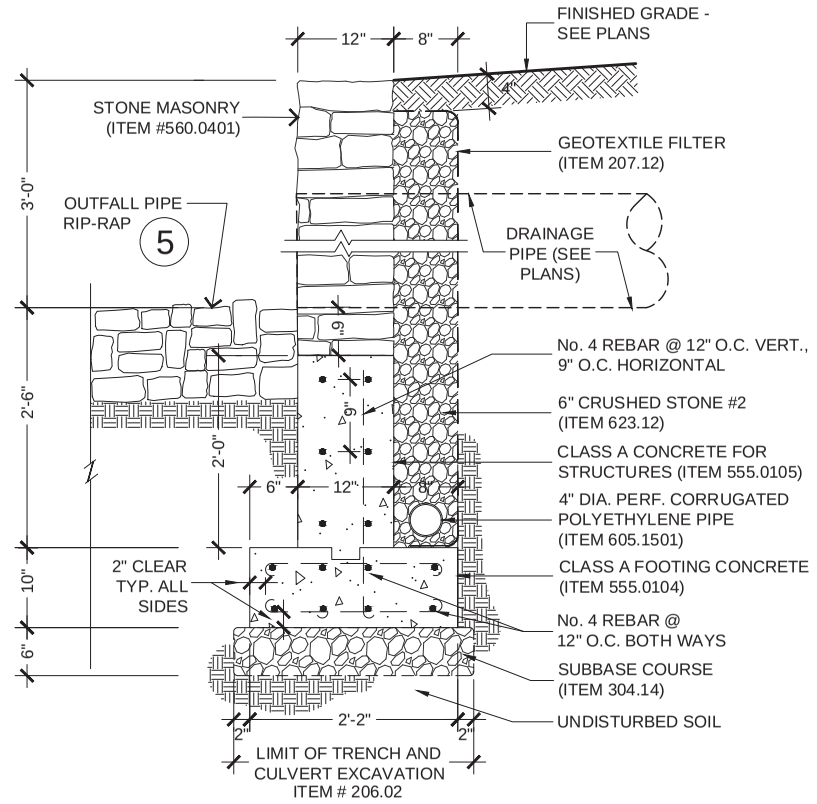
PLAN VIEW



ELEVATION

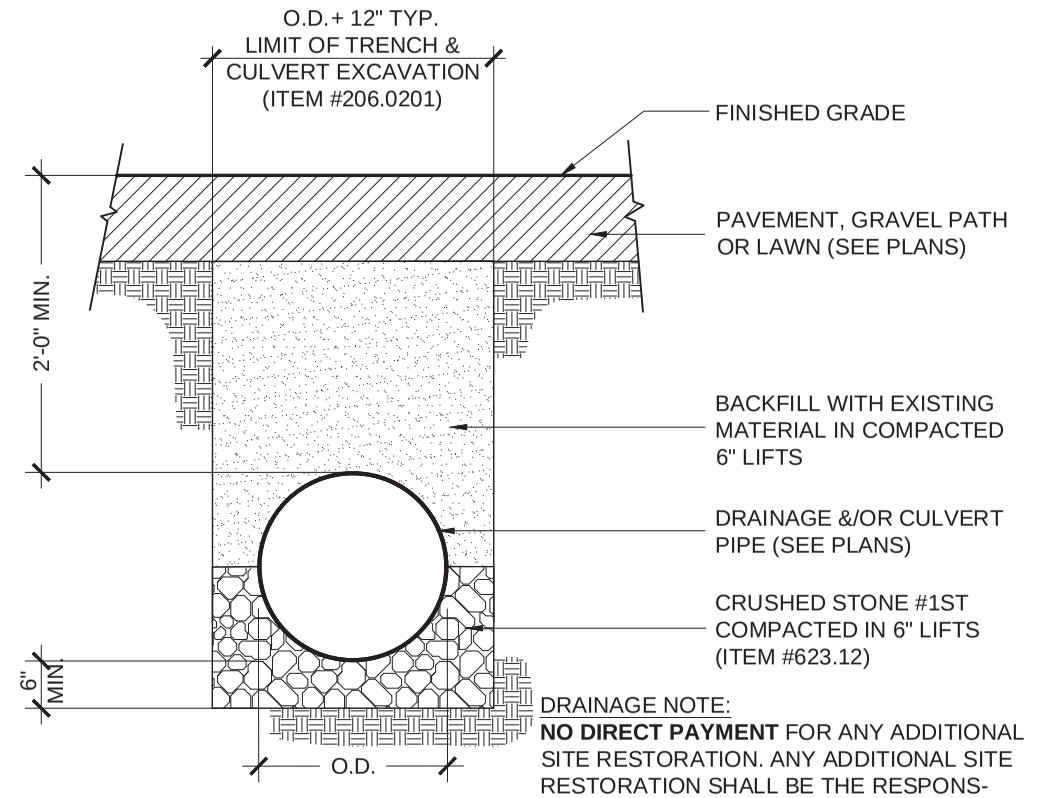
1 STONE HEADWALL FOR TWIN 24" DIA. DRAINAGE PIPES

SCALE: ½" = 1'-0"



2 STONE HEADWALL FOR TWIN 24" DIA. PIPES SECTION A-A'

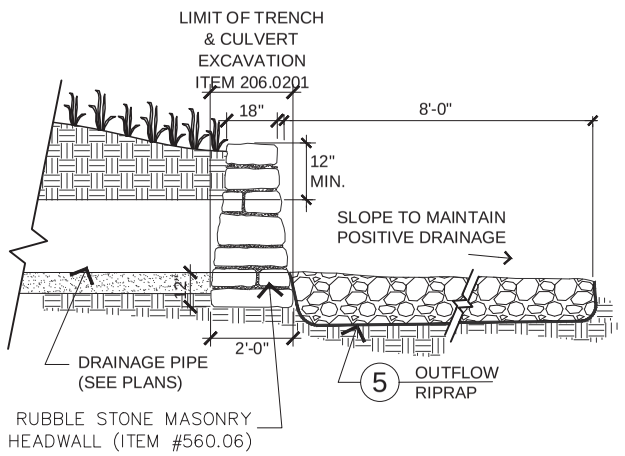
SCALE: 1"=1'-0"



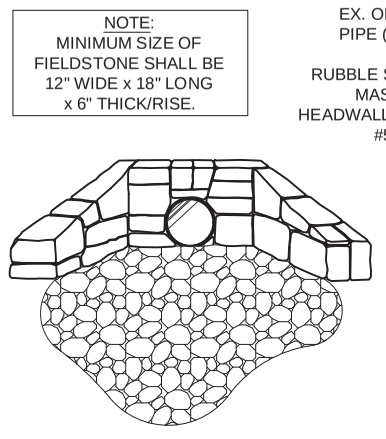
DRAINAGE NOTE:
NO DIRECT PAYMENT FOR ANY ADDITIONAL SITE RESTORATION. ANY ADDITIONAL SITE RESTORATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE COUNTY.

3 PIPE TRENCHING (FOR STORM DRAINAGE)

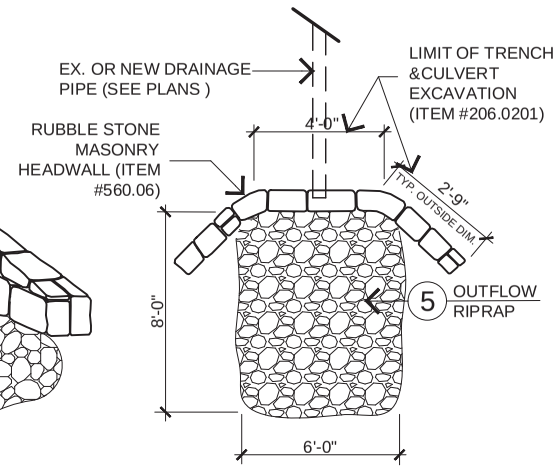
SCALE: 1"=1'-0"



ELEVATION
SCALE: 1/2"=1'-0"



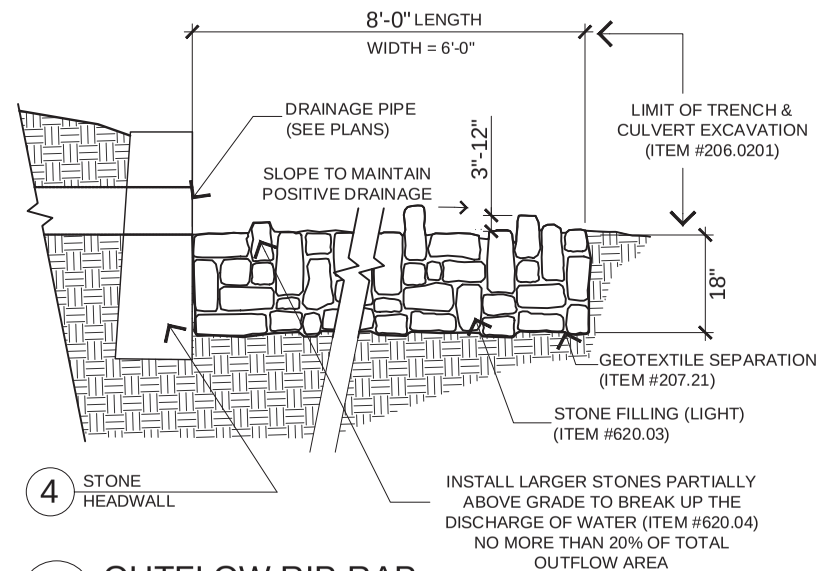
PERSPECTIVE
N.T.S.



PLAN
N.T.S.

4 STONE HEADWALL

SCALE: AS SHOWN



5 OUTFLOW RIP-RAP

SCALE: 1/2" = 1'-0"

0 1" 2" 3"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

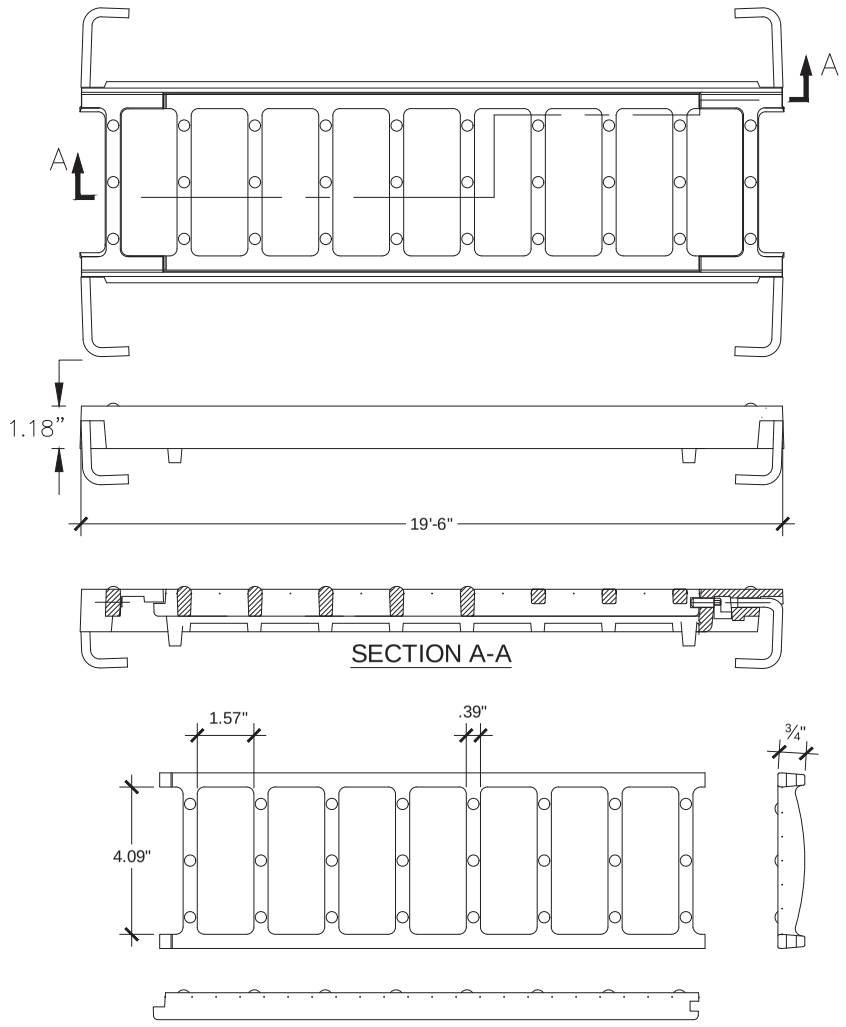
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

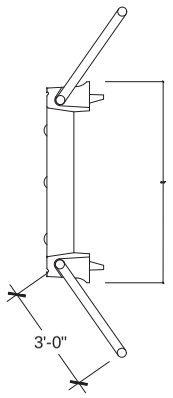
DRAINAGE DETAILS - II

CONTRACT NUMBER	SHEET NUMBER
20-536	33

SHEET NO. 33 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-51-0
REV. NO.

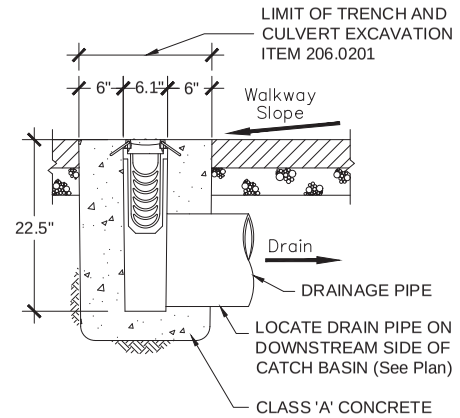


SECTION A-A

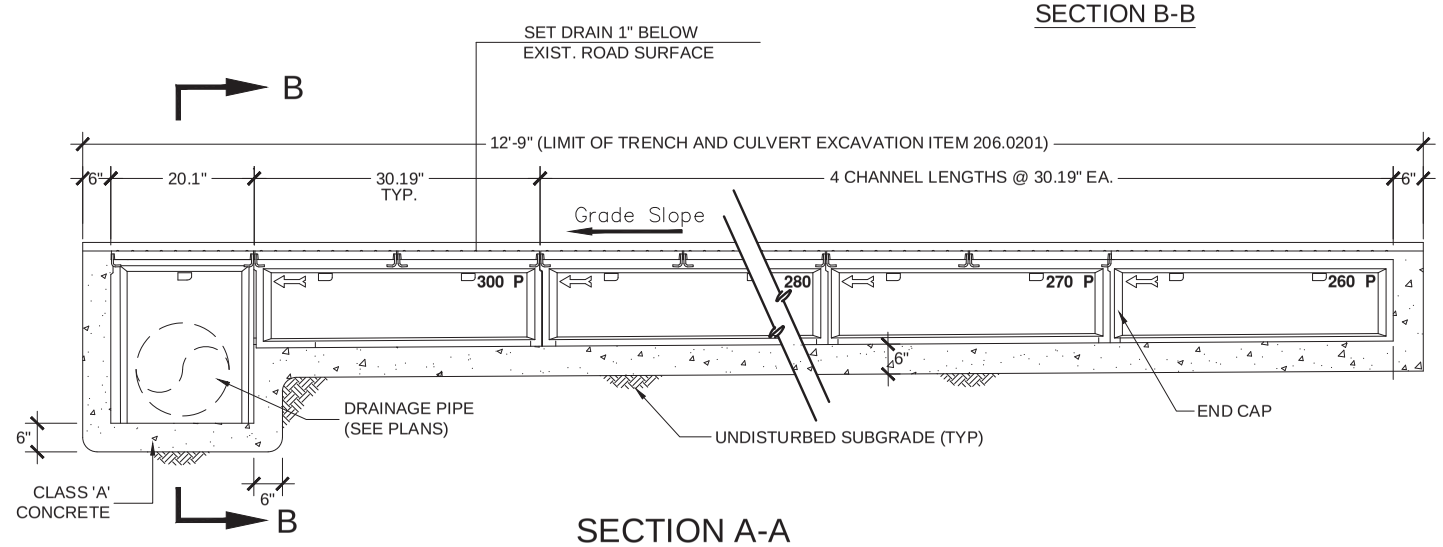


NOTES:

1. MATERIAL IS 65-45-12 DUCTILE IRON
2. LOAD CAPACITY EXCEEDS AASHTO'S H-25 AND HS-25 LOAD RATINGS.



SECTION B-B

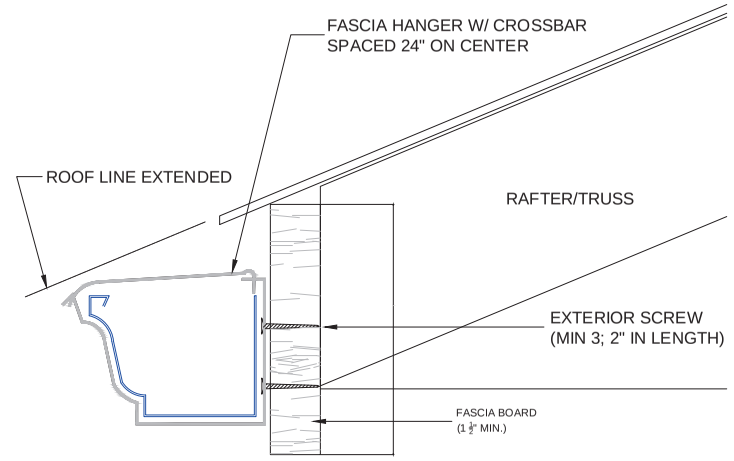


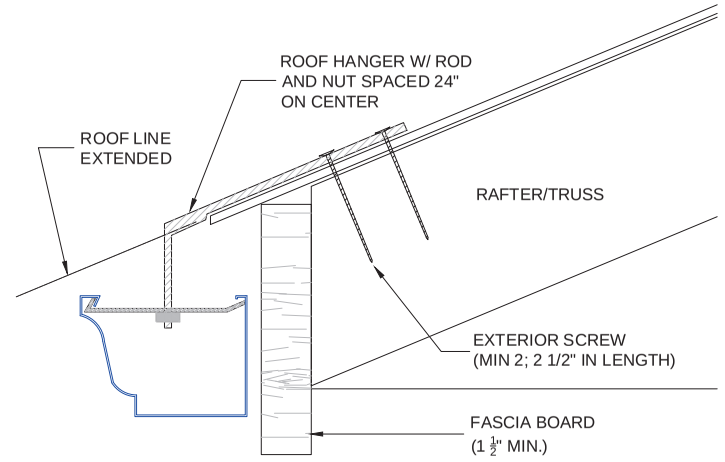
SECTION A-A
TRENCH DRAIN INSTALLATION

1 TRENCH DRAIN

ITEM# 604.066000WE

NOT TO SCALE



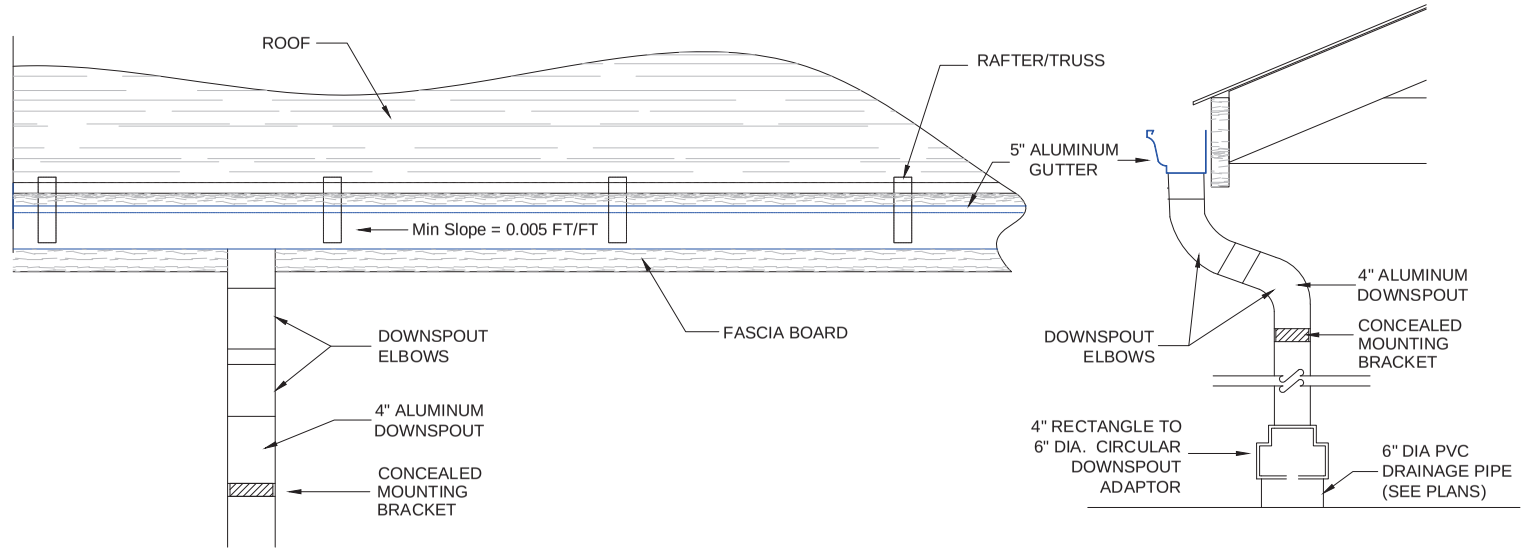


NOTES:
1. OTHER HANGERS MUST BE APPROVED BY DESIGNER/ENGINEER. SPIKES AND FERRULES ARE NOT PERMITTED.
2. EXTEND GUTTERS 1" BELOW ROOF EXTENSION LINE.
3. DIMENSION DEPENDS ON LENGTH OF GUTTER AND SIZE OF BUILDING IN ORDER TO HAVE ROOM TO INSTALL HANGERS.
4. EXPANSION JOINTS REQUIRED EVERY 40 FT.

2 ALUMINUM GUTTER

(ITEM# 605.190100WE)

SCALE: 1"=1'-0"



3 ALUMINUM DOWNSPOUT

(ITEM# 605.190200WE)

SCALE: 1"=1'-0"

0 1" 2" 3"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

DRAINAGE DETAILS - III

CONTRACT NUMBER 20-536
SHEET NUMBER 34
SHEET NO. 34 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-52-0
REV. NO.

SIGNAGE TEXT LEGEND

ITEM #	SIGN TEXT	MUTCD NO.	SHEETING/ REFLECTIVITY	COLOR
645.5201	STOP	R1-1 (ROAD) 30" X 30" QTY: 1	ASTM TYPE IX (CLASS E) DIAMOND GRADE	RED WHITE
645.5201	DO NOT ENTER	R5-1(NATIONAL) 30" X 30" QTY: 2	ASTM TYPE IX (CLASS E) DIAMOND GRADE	RED WHITE
645.5101	RESERVED PARKING	R7-8 (NATIONAL) 12" X 18" QTY: 6	ASTM TYPE III (CLASS B) HIGH INTENSITY	GREEN WHITE BLUE
645.5101	NO STOPPING ANY TIME	NYP1-7 (STATE) 12" X 18" QTY: 3	ASTM TYPE III (CLASS B) HIGH INTENSITY	RED WHITE
645.5101	VAN ACCESSIBLE	R7-8P (NATIONAL) 18" X 9" QTY: 6	ASTM TYPE III (CLASS B) HIGH INTENSITY	GREEN WHITE
645.5101	BEGIN ONE WAY	W11-15 (NATIONAL) 30" X 30" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	BLACK WHITE
645.5101	ONE WAY	W11-15 (NATIONAL) 24" X 30" QTY: 1	ASTM TYPE III (CLASS B) HIGH INTENSITY	BLACK WHITE

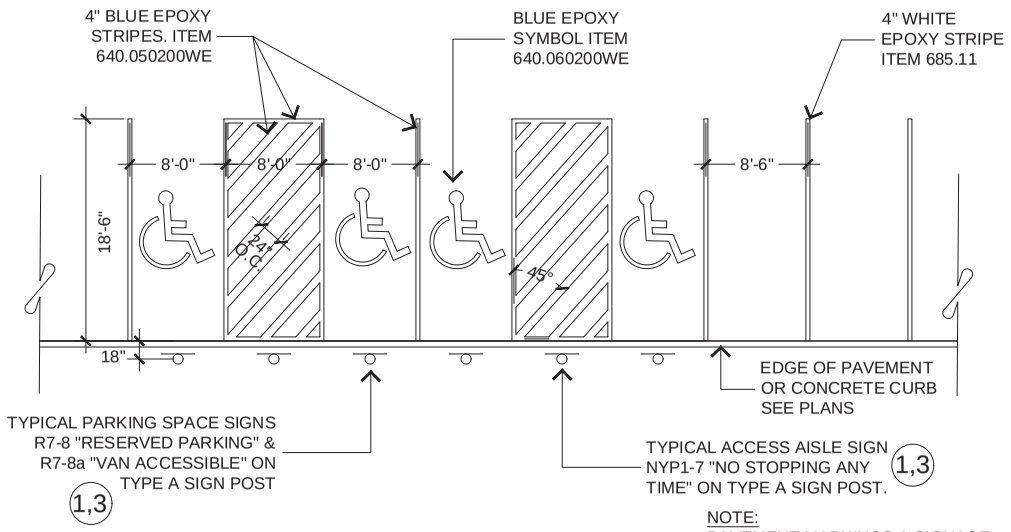
SIGNAGE NOTES

1. SIGNS IN THIS LEGEND REFER TO SIGNS THAT ARE SUBJECT TO REGULATION THROUGH THE FEDERAL AND STATE MUTCD. SEE THIS PAGE AS WELL AS THE SIGNAGE PLANS FOR ADDITIONAL SIGNAGE.
2. ON A POST WITH TWO SIGNS, THE DISTANCE FROM BOTTOM OF LOWER SIGN TO FINISHED GRADE SHALL BE 6'. ALL OTHER SIGNS MOUNTED WITH ONLY ONE SIGN SHALL HAVE A DISTANCE FROM BOTTOM OF SIGN TO FINISHED GRADE OF 7'-0".
3. SIGN PANEL & ASSEMBLIES SHALL BE PAID FOR UNDER 645.5101 and 645.5201. POSTS SHALL BE PAID FOR UNDER ITEM 645.81).
4. ALL SIGNS SHALL BE MOUNTED AT 90 DEGREES TO THE CURBLINE WITH THE EXCEPTION OF PARKING SIGN AND HANDICAPPED PARKING SIGNS IN PARKING LOTS WITH ANGLED PARKING. PARKING SIGNS FOR SPACES WITH ANGLED PARKING SHALL BE MOUNTED AT 30 DEGREES TO THE CURBLINE FACING THE DIRECTION OF TRAFFIC.
5. UNLESS OTHERWISE NOTED, POSTS SHALL BE MOUNTED SO THAT THE SIGNS WILL BE MOUNTED NO CLOSER THAN 1'–6" FROM THE FACE OF THE CURB.
6. CHEVRON SIGNS SHALL BE MOUNTED NO HIGHER THEN 5' OVER THE TRAVEL SURFACE.

1 SIGN SCHEDULE

SCALE: ½"=1'-0"

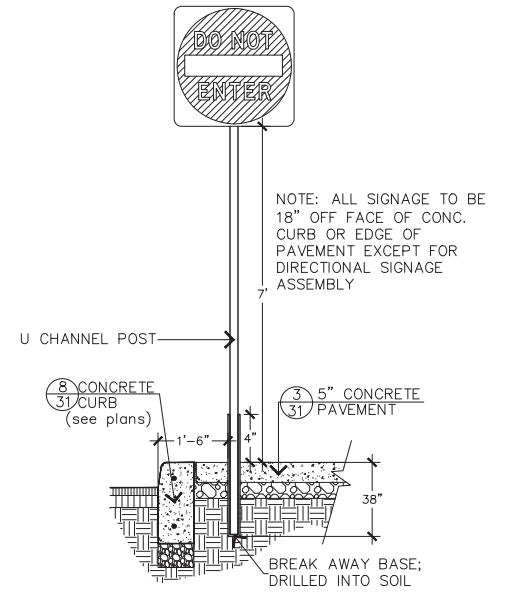
NOTE: FIGURE SHALL BE CENTERED IN HANDICAPPED PARKING SPACE AND SHALL BE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, PROPORTIONED AS DESCRIBED IN THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.



NOTE:
PAVEMENT MARKINGS & SIGNAGE SHALL COMPLY WITH NYSDOT STANDARD SHEET# 608-02.

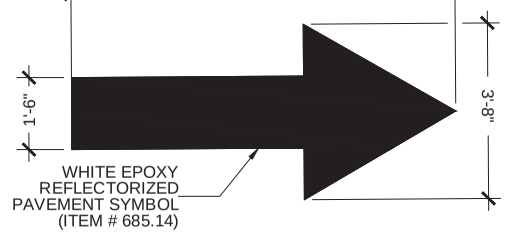
2 TYPICAL HANDICAPP ACCESSIBLE PAVEMENT MARKINGS AND SIGNAGE

SCALE: ⅛"=1'-0"



3 U-CHANNEL POST ITEM NO. 645.81

NOT TO SCALE



4 PAVEMENT MARKINGS - ARROW (ITEM # 685.14)

SCALE: 1/2" = 1'-0"

0 1" 2" 3"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

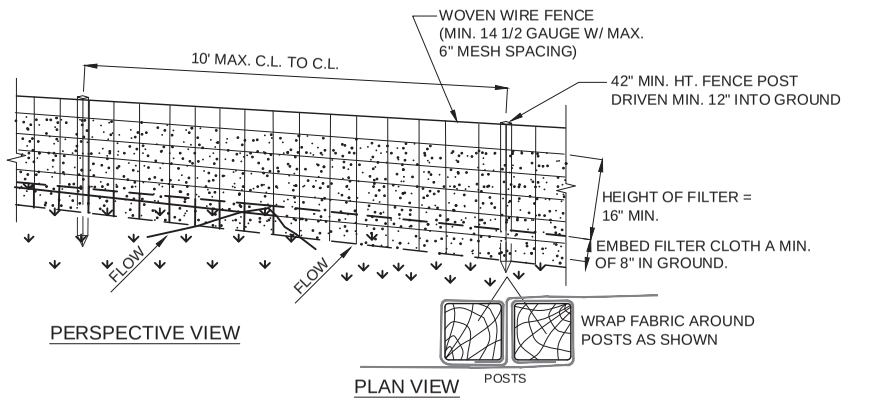
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

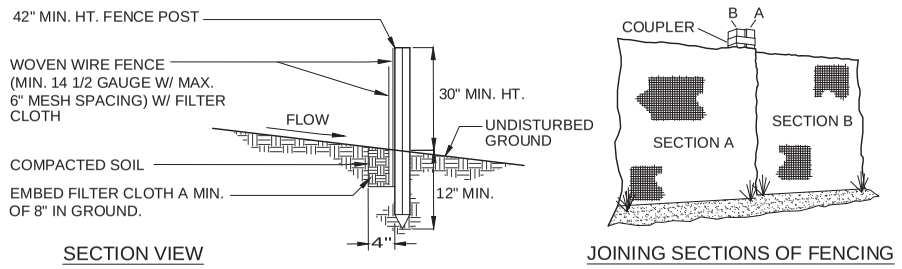
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PAVEMENT MARKING & SIGNAGE DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	35

SHEET NO. 35 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-53-0
REV. NO.



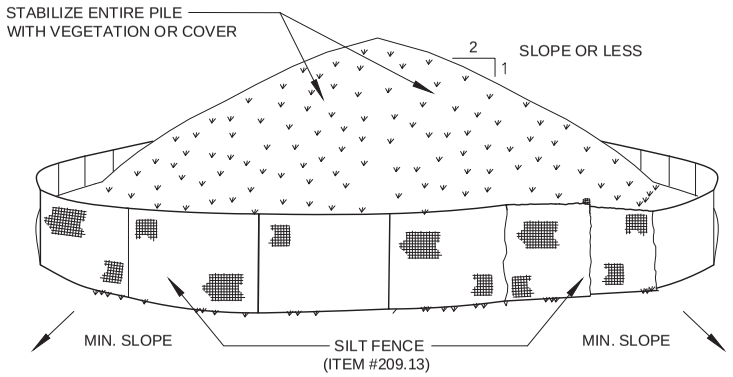


INSTALLATION NOTES

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
6. SILT FENCE TO BE REMOVED IMMEDIATELY FOLLOWING COMPLETION

1 SILT FENCE
ITEM #209.13

NOT TO SCALE



INSTALLATION NOTES

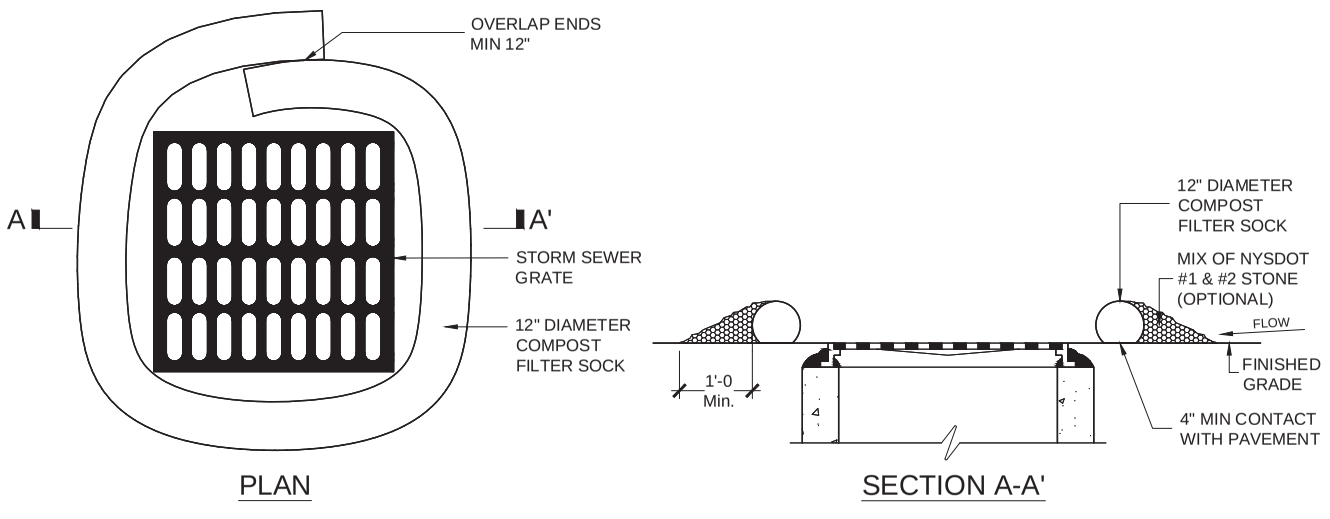
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED.
4. DO NOT STOCKPILE TOPSOIL OVER THE ROOTS OF EXISTING TREES.
5. SEE SPECIFICATIONS & DETAIL FOR INSTALLATION OF SILT FENCE.

2 SOIL STOCKPILING

NOT TO SCALE

EROSION CONTROL NOTES

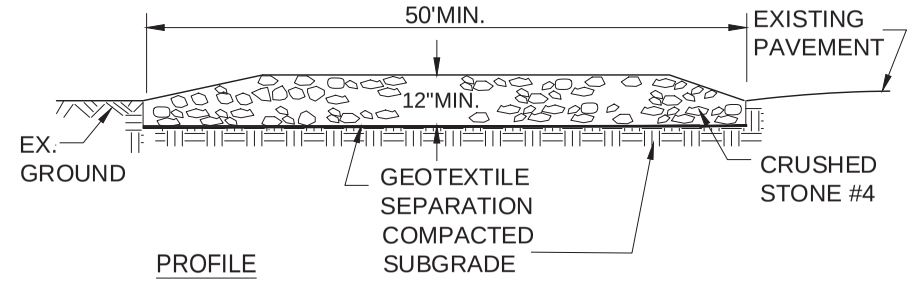
1) All proposed soil erosion and sediment control practices have been designed in accordance with the most recent editions of the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control. The contractor shall comply with all applicable stormwater management, water quality control, erosion, and sediment control laws, rules, regulations and permits.
2) Sediment and erosion control practices shall be installed prior to any major soil disturbances and maintained until permanent protection is established.
3) The contractor shall be responsible for the timely maintenance of sediment and erosion control practices. All practices shall be maintained in good working order. The sediment level in all sediment traps shall be closely monitored and sediment removed when maximum levels are reached or as ordered by the construction administrator. All sediment control practices shall be inspected on a regular basis, and after rainfall events greater than half an inch to ensure proper operation as designed.
4) All soils not being used for final grading shall be immediately, protected, stabilized and stockpiled in a location away from storm drains and waterbodies as approved by the construction administrator. All soil stockpiles shall be limed, fertilized, temporarily seeded with annual or perennial ryegrass or oats within 14 days once it is known the soil stockpile will not be used for a period of time greater than 14 days. The cost of such protection and stabilization shall be deemed included in the various items of the contract. **No Direct Payment.**
5) Any disturbed areas that will be left exposed for more than 14 days and are not subject to construction traffic shall be stabilized with temporary seeding. Erosion control fabric or mulch shall be used on all disturbed areas if the season prevents the establishment of a temporary cover for temporary stabilization. Erosion control fabric shall be used to temporarily stabilize steep slopes (slope gradient of 2:1 or greater). Disturbed areas shall be limed and fertilize prior to temporary seeding.
6) All disturbed areas within 500 feet of an inhabited dwelling shall be wetted as necessary to ensure dust control.
7) Temporary sediment and erosion control practices shall be removed and permanent sediment and erosion control practices implemented, where specified, when the drainage area, including all roads, driveways, and parking areas used during the course of construction has been properly stabilized by permanent practices in accordance with the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control.
8) The contractor shall phase the construction in a manner that there will be no more than five acres of soil disturbance at any one time.

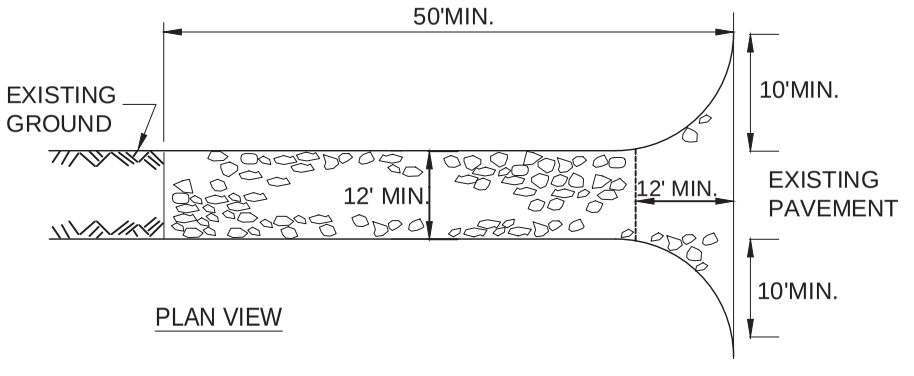


3 INLET PROTECTION
SCALE: NTS

PAYMENT ITEM#: 209.2301

TEMPORARY





CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - CRUSHED STONE #4 SIEVE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN 12" THK.
4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR. 24 FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE (AS CONDITIONS DEMAND) AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO APPROVED SEDIMENT TRAPPING DEVICE. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
9. EXCAVATION - TO BE INCLUDED UNDER ITEM# 209.22. NO DIRECT PAYMENT.

4 STABILIZED CONSTRUCTION ENTRANCE
ITEM # 209.22

N.T.S.

0 1" 2" 3"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

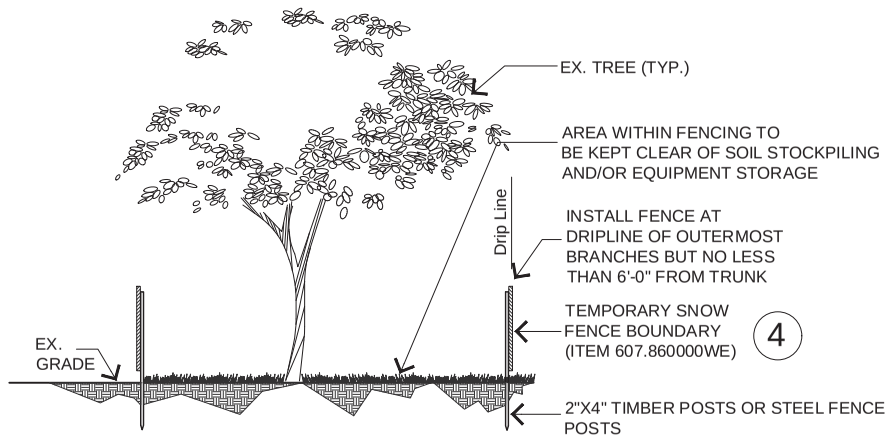
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

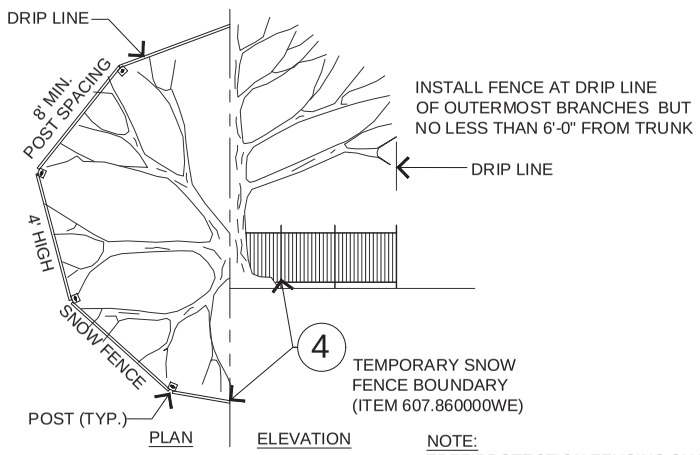
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

EROSION CONTROL DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	36

SHEET NO. 36 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-54-0
REV. NO.

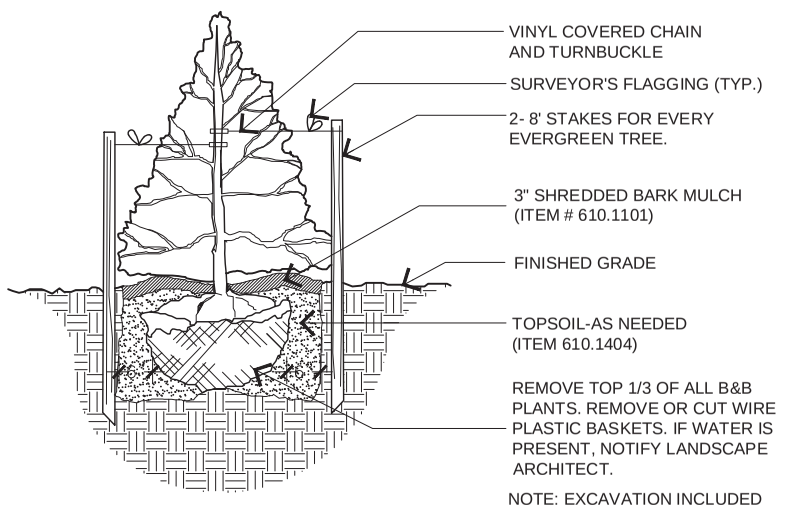




NOTE:
TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY WORK IN THE AREA & REMAIN IN PLACE UNTIL ALL WORK IS COMPLETED. SEE PLANS FOR LOCATIONS.

1 TREE PROTECTION FENCING

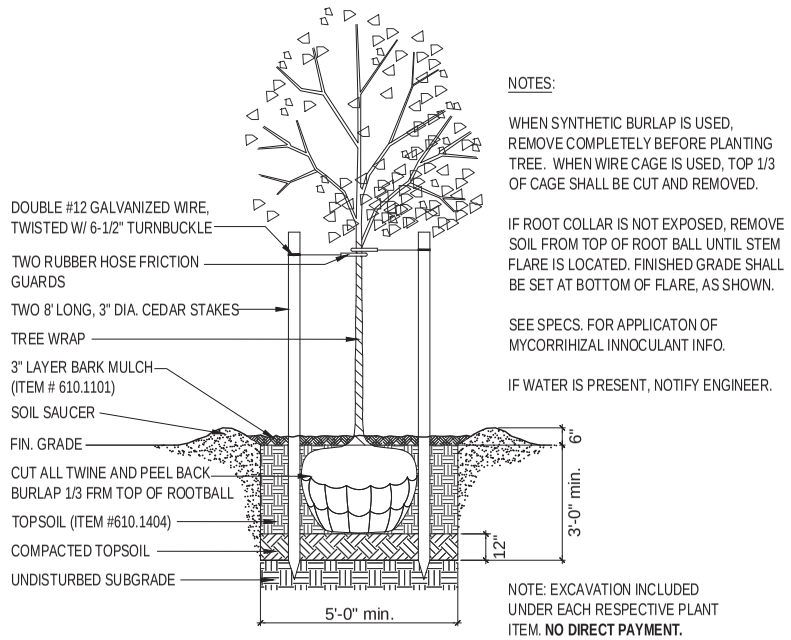
SCALE: 1/4"=1'-0"



NOTE: EXCAVATION INCLUDED UNDER EACH RESPECTIVE PLANT ITEM. **NO DIRECT PAYMENT**

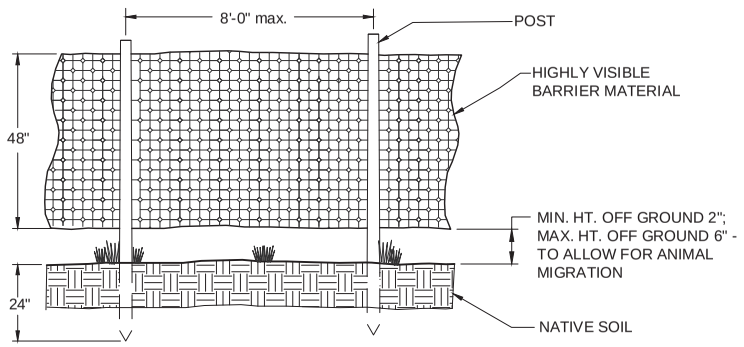
2 CONIFER PLANTING

NOT TO SCALE



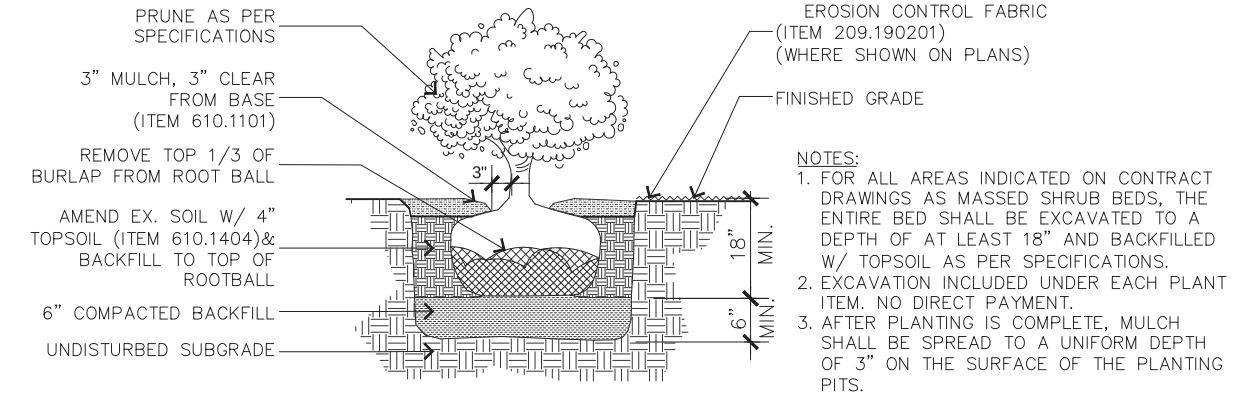
3 TREE PLANTING

1/4"=1'-0"



4 TEMPORARY SNOW FENCE BOUNDARY

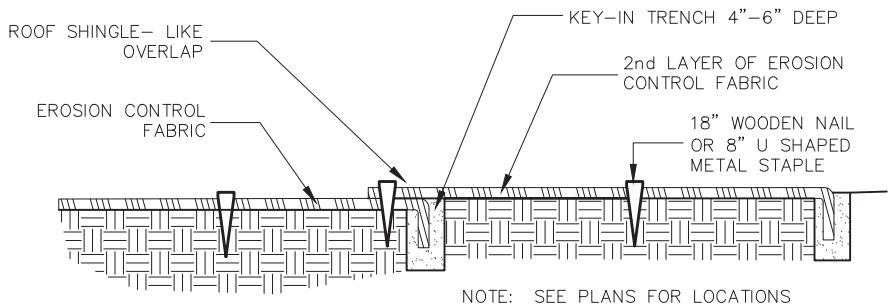
ITEM # 607.860000WE — N.T.S.



NOTES:
1. FOR ALL AREAS INDICATED ON CONTRACT DRAWINGS AS MASSED SHRUB BEDS, THE ENTIRE BED SHALL BE EXCAVATED TO A DEPTH OF AT LEAST 18" AND BACKFILLED W/ TOPSOIL AS PER SPECIFICATIONS.
2. EXCAVATION INCLUDED UNDER EACH PLANT ITEM. NO DIRECT PAYMENT.
3. AFTER PLANTING IS COMPLETE, MULCH SHALL BE SPREAD TO A UNIFORM DEPTH OF 3" ON THE SURFACE OF THE PLANTING PITS.

6 SHRUB PLANTING

3/4"=1'-0"

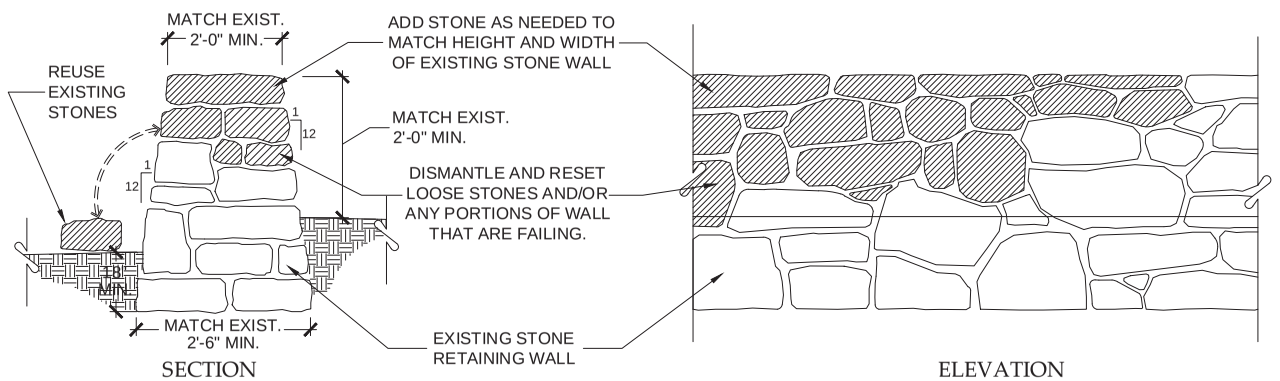


NOTE: SEE PLANS FOR LOCATIONS

7 EROSION CONTROL FABRIC AT SELECT LAWN AREAS

ITEM 209.190201

SCALE: 1½"=1'-0"



STONE RETAINING WALL REPAIR/RESTORATION NOTES

1. STONE PLACEMENT PATTERN SHALL MATCH PATTERN OF THE EXISTING STONE WALL.
2. ALL STONES USED IN THE REPAIR/RESTORATION OF THE STONE WALL SHALL MATCH WITH REGARD TO SIZE, COLOR & TEXTURE THE STONE TO THE EXISTING STONE WALL.
3. CONTRACTOR MAY REUSE STONE THAT HAS FALLEN OFF THE EXISTING STONE WALL. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, THE CONTRACTOR SHALL NOT BORROW/SALVAGE STONE FROM ANY OTHER PORTION OF THE PROJECT SITE.
4. CONTRACTOR SHALL SUBMIT A SAMPLE OF STONE FOR ANY NEW STONE TO BE USED IN THE REPAIR/RESTORATION OF THIS STONE WALL.
5. CONTRACTOR SHALL RESTORE A SAMPLE 10'-0" LONG SECTION OF WALL TO BE APPROVED BY THE DESIGNER. THE CONTRACTOR MAY NOT PROCEED UNTIL THE DESIGNER HAS APPROVED THE SAMPLE SECTION.

5 RECONSTRUCT/CONSTRUCT FREESTANDING STONE WALL

(ITEM 560.06)

SCALE: ¾"=1'-0"

0 1" 2" 3"

IN CHARGE OF R. LOPANE
CHECKED BY R. LOPANE
MADE BY R. LOPANE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

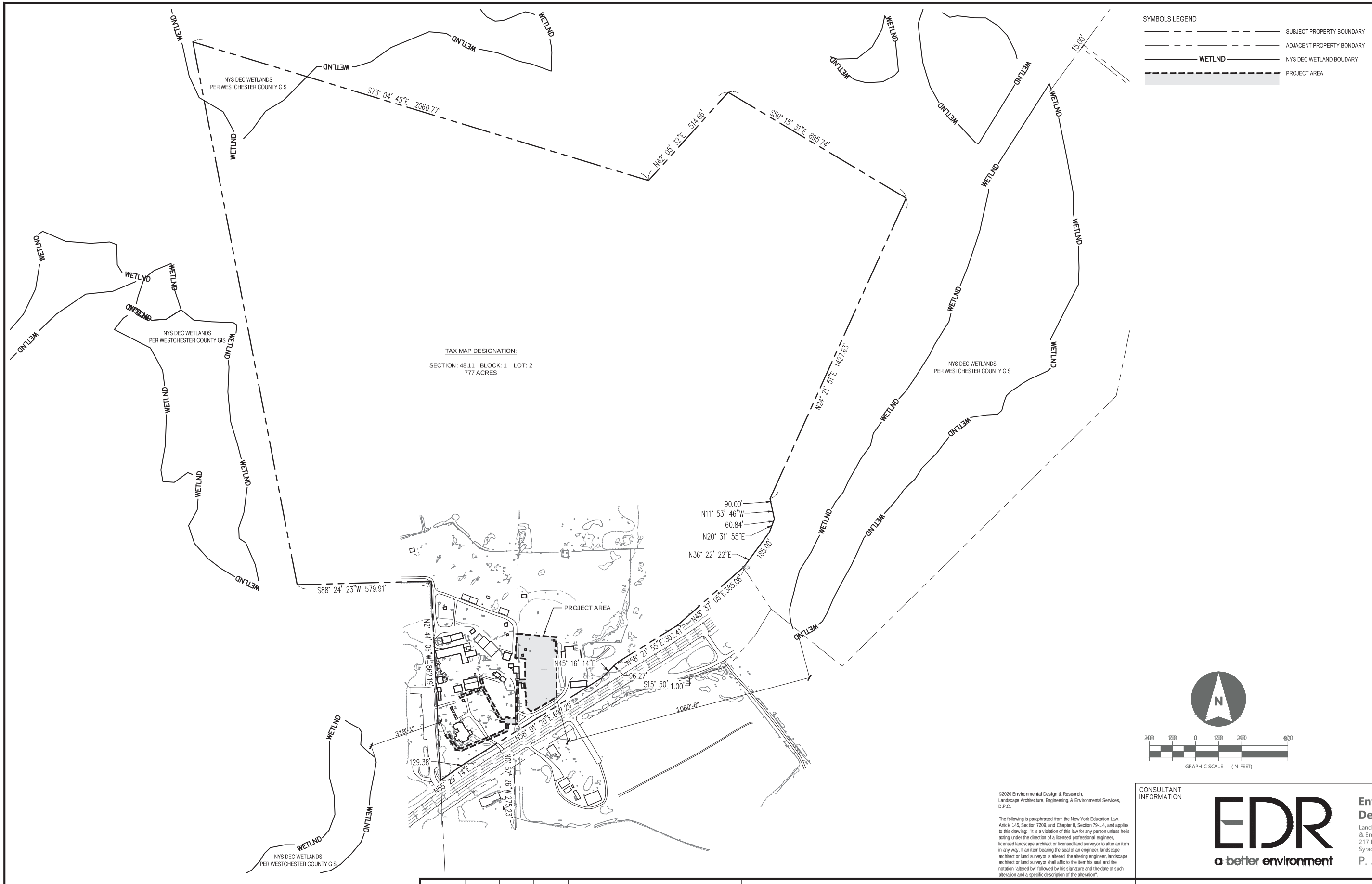
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PLANTING & OTHER MISCELLANEOUS DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	37

SHEET NO. 37 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-G-55-0
REV. NO.



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The following is paraphrased from the New York Education Law, Article 145, Section 7209, and Chapter II, Section 79-1.4, and applies to this drawing: "It is a violation of this law for any person unless he is acting under the direction of a licensed professional engineer, licensed landscape architect or licensed land surveyor to alter an item in any way. If an item bearing the seal of an engineer, landscape architect or land surveyor is altered, the altering engineer, landscape architect or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration and a specific description of the alteration".

CONSULTANT INFORMATION

EDR a better environment

Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

IN CHARGE OF _____

CHECKED BY _____

MADE BY _____

STATE OF NEW YORK · MICHAEL E. TAMBURINO · 073737 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
01	01/10/23	JTW	BB	FOR CONSTRUCTION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PROPERTY LINE SURVEY

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-01

SHEET NO. 38 OF 62
SCALE: 1"=200'
DATE: 01/10/2023
DPW FILE NO. 91-01-G-56-0
REV. NO. -

ABBREVIATIONS

ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECT OR ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
ASSY	ASSEMBLY
B/	BOTTOM OF
B/F	BOTTOM OF FOOTING
BTW	BETWEEN
BF	BLIND FLANGE
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK/ BEAM
BMK	BENCH MARK
BV	BUTTERFLY VALVE
C_L	CENTER LINE
CB	CATCH BASIN
CC	CENTER TO CENTER
CF OR CUFF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIP	CAST IRON PIPE
CIRC	CIRCLE/CIRCULAR
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CL JT	CONTROL JOINT
CLR	CLEAR/COLOR
CL2	CHLORINE
CLF	CHAIN LINK FENCE
CLG	CEILING
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMB	COMBINATION
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CPLG	COUPLING
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRF	CHEMICAL RESISTANT FINISH
CS JT	CONSTRUCTION JOINT
CTR	CONTRACT
CU IN	CUBIC INCH
CU	COPPER
CV	CHECK VALVE
CY OR CU YD	CUBIC YARD
D	DISCHARGE
DET	DETAIL
DH	DECK HYDRANT
DIA, OR Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DO	DISSOLVED OXYGEN
DWG	DRAWING
E	EAST/ELECTRICAL CONDUITS
EA	EACH
ECC	ECCENTRIC
EF	EACH FACE
EFF	EFFLUENT
EFW	EFFLUENT WATER
EJ	EXPANSION JOINT
EL	ELBOW
ELEC	ELECTRIC
EQ	EQUAL
F&C	FRAME AND COVER
F&G	FRAME AND GRATING
FC	FLUSHING CONNECTION
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FG	FIBERGLASS/FINIHSED GRADE
FH	FIRE HYDRANT
FIN	FINISH
FIX	FIXTURE
FL	FLANGE
FL	FLOOR
FM	FORCE MAIN / FLOW METER
FND	FOUNDATION
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FST	FINAL SETTLING TANK
FT	FEET
FTG	FOOTING
G	GAS
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GI	GALVANIZED IRON
GL	GLASS
GPM	GALLONS PER MINUTE
GR	GRADE / GUARDRAIL
GS	GALVANIZED STEEL
GV	GATE VALVE
H&V	HEATING AND VENTILATING
HB	HOSE BIB
HD	HEAVY DUTY
HDPE	HIGH DENSITY POLYETHYLENE
HOR OR H	HORIZONTAL
HP	HORSEPOWER
HPT	HIGH POINT
HT	HEIGHT
HTR	HEATER
HWL	HIGH WATER LEVEL
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FENCE
INF	INFLUENT
INSUL	INSULATION
INT	INTERIOR
INF	INFLUENT
IPS	INTERNAL PIPE SIZE
JCT	JUNCTION
JT	JOINT
K	1000 POUNDS (1 KIP)
LPT	LOW POINT
LF	LINEAR FEET
LAV	LAVATORY
LG	LENGTH/LONG
LOD	LIMITS OF DISTURBANCE
LP	LIGHT POLE
LV	LOUVER
LWL	LOW WATER LEVEL
M	MOTOR
MAS	MASONRY
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MTG	MOUNTING
MTL	METAL
MULT	MULTIPLE
N	NORTH
NAT	NATURAL
NC	NORMALLY CLOSED
NF	NEAR FACE
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NPT	NATIONAL PIPE THREAD
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTERS/ODOR CONTROL
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPER	OPERABLE
OPNG	OPENING
OPP	OPPOSITE
ORP	OXIDATION REDUCTION POTENTIAL
P_L	PLATE/PROPERTY LINE
P&ID	PROCESS INSTURMENTATION DIAGRAM
PAR	PARALLEL
PAT	PATTERN
PAVT	PAVEMENT
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATED
PERP	PERPENDICULAR
PI	PRESSURE INDICATOR
PL	PROPERTY LINE
PLAS	PLASTIC
PLBG	PLUMBING
PNL	PANEL
PO	PLANT OVERVIEW
POLY OR PE	POLYETHYLENE
PRV	PRESSURE RELIEF / REDUCING VALVE
PS	PUMP STATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PST	PRIMARY SETTLING TANK
PT	POINT
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PW	POTABLE WATER
QTY	QUANTITY
RAD	RADIUS
RAS	RETURN ACTIVATED SLUDGE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN / ROAD
REC	RECORD
REDR	REDUCER
REF	REFERENCE
REIN	REINFORCE
REQD	REQUIRED
REV	REVISE
RFG	ROOFING
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RS	RETURN SLUDGE
RW	RAW WATER
RWI	RAW WATER INTAKE
S	SOUTH / SUCTION / SANITARY SEWER
SAN	SANITARY
SCH	SCHEDULE
SECT	SECTION
SEW	SEWER
SF	SQUARE FOOT OR SILT FENCE
SG	SLIDE GATE
SHT	SHEET
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE
SIM	SIMILAR
STA	STATION
STL JST	STEEL JOIST
SG	SLUICE GATE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEELE
ST	STREET
STL	STEEL
STRU	STRUCTURAL/STRUCTURE
SWD	SIDE WATER DEPTH
T & B	TOP AND BOTTOM
T	TILE, TREAD OR TOP
T/D	TOP OF DECK
T/F	TOP OF FOOTING
T/G	TOP OF GRATE / GRATING
T/M	TOP OF MASONRY
T/P	TOP OF PIPE
T/S	TOP OF SLAB/STEEL
T/W	TOP OF WALL
TDH	TOTAL DYNAMIC HEAD
TEL	TELEPHONE
TEMP	TEMPERATURE/TEMPORARY/TEMPERED
TERT	TERTIARY
TOB	TOP OF BANK
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UV	ULTRAVIOLET
V	VERTICAL / VENT
VCT	VITRIFIED CLAY TILE
W	WATER / WEST
W/	WITH
WAS	WASTE ACTIVATED SLUDGE
WG	WEIR GATE
WH	WALL HYDRANT
WL	WATER LEVEL
WS	WATER SURFACE
WS	WATERSTOP
WST	WELDED STEEL PIPE
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
YH	YARD HYDRANT

GENERAL NOTES:

1. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND FURNISH COPIES TO THE OWNER PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR'S WORK AREA SHALL BE CONFINED TO THE LIMITS OF THE RIGHT-OF-WAYS AND EASEMENTS. THE CONTRACTOR SHALL OBTAIN ANY ADDITIONAL EASEMENTS OR WORK RELEASES SHOULD THE CONTRACTOR REQUIRE ADDITIONAL AREA TO ACCOMMODATE HIS OPERATIONS.
3. THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES AS SHOWN ON THE PLANS AND PROFILES ARE APPROXIMATE. OTHER UNDERGROUND UTILITIES NOT SHOWN MAY BE ENCOUNTERED. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL PERFORM TEST PITS TO VERIFY THE LOCATION AND ELEVATION OF UTILITIES AT INTERCONNECTIONS AND CROSSINGS AS SHOWN, DIRECTED OR REQUIRED. THE CONTRACTOR SHALL EXCAVATE IN ADVANCE OF THE PIPE LAYING OPERATIONS AND EXPOSE ALL EXISTING UNDERGROUND UTILITIES TO PREVENT DAMAGE DURING DURING CONSTRUCTION AND TO DETERMINE REQUIRED CHANGES DURING GRADE NECESSARY TO INSTALL THE NEW UTILITY TO AVOID CONFLICT.
4. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY UTILITY POLE IN ADVANCE OF ANY EXCAVATION WORK THAT WILL TAKE PLACE WITHIN 5' OF THE UTILITY POLE. THE CONTRACTOR SHALL INCLUDE THE COST OF TEMPORARY POLE SUPPORT IN THE APPROPRIATE BID ITEM. WHERE UTILITY POLES ARE REQUIRED TO BE SUPPORTED DURING CONSTRUCTION, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY.
5. EXISTING PIPING AND FACILITIES SHOWN LIGHT. NEW PIPING AND FACILITIES SHOWN DARK. SOME ITEMS TO BE DEMOLISHED ARE SPECIFICALLY LABELED ON THESE DRAWINGS.
6. CONTRACTOR SHALL VERIFY ALL EXISTING STRUCTURE AND PIPING ELEVATION, LOCATION, SIZE AND TYPE OF MATERIAL WITH NEW PIPING PRIOR TO CONSTRUCTION. IF DISCREPANCIES ARISE BETWEEN THESE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING.
7. CONTRACTOR SHALL PROVIDE APPROVED ADAPTERS FOR TRANSITIONS BETWEEN DIFFERENT PIPE MATERIALS.
8. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT WHICH EXISTED PRIOR TO CONSTRUCTION IN ACCORDANCE WITH SPECIFICATIONS.
9. CONTRACTOR SHALL SUPPLY ALL BENDS REQUIRED TO MAINTAIN SMOOTH FLOW LINES, CHANGES IN ELEVATION AND TO MEET ALL TRANSITIONS. USE 45 DEGREE BENDS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
10. CONTRACTOR SHALL PROVIDE POSITIVE SITE DRAINAGE DURING CONSTRUCTION OPERATIONS. ALL FINAL LINES AND GRADES SHALL BE CONSTRUCTED TO MAINTAIN POSITIVE SITE DRAINAGE TO EXISTING DRAINAGE STRUCTURES.
11. ALL PAVEMENT SHALL BE SAW CUT PRIOR TO RESTORATION.
12. LEGEND REPRESENTS STANDARD LINE TYPES AND HATCHING UNLESS INDICATED ON SPECIFIC DRAWINGS.
13. CONTRACTOR SHALL COORDINATE STAGING AREAS WITH OWNER.
14. WHILE EVERY EFFORT HAS BEEN MADE TO IDENTIFY THE ITEMS TO BE DEMOLISHED, IT IS CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SCOPE OF WORK IN THE FIELD, REVIEW THESE CONTRACT DRAWINGS, ALL PREVIOUS CONSTRUCTION DRAWINGS & DOCUMENTS AND THE DEVELOPMENT SPECIFICATIONS, THE EXISTING FACILITY PLANS, AND DEMOLISH ALL ITEMS NECESSARY TO ACCOMMODATE THE PROPOSED WORK. ALSO THE CONTRACTOR SHALL REPAIR ALL SURFACES AND PLUG ABANDONED PENETRATIONS UPON REMOVAL OF THE DEMOLISHED ITEMS PER THE SPECIFICATIONS.
15. ELEVATIONS REFER TO NAVD1988 DATUM.
16. THE ABBREVIATIONS HEREIN ARE STANDARD OF THIS OFFICE AND APPLY TO A VARIETY OF PROJECTS. ONLY A PORTION OF THEM WILL NECESSARILY APPLY TO ANY GIVEN PROJECT. SEE THE LISTINGS IN OTHER SECTIONS OF THIS PROJECT FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS.
17. CONTRACTOR SHALL VISIT AND EXAMINE THE SITE TO FULLY UNDERSTAND ALL THE CONDITIONS PERTAINING TO THE SCOPE OF WORK, UNDERSTAND DIFFICULTIES TO BE ENCOUNTERED AND MATERIALS REQUIRED FOR THE COMPLETE INSTALLATION OF THE WORK SHOWN ON THE DRAWINGS AND OR SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. THE EXACT LOCATION OF THE EXISTING PIPING, SHALL BE FIELD VERIFIED.
18. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAKE ALL NECESSARY PROVISIONS FOR PROTECTION OF THE PUBLIC, THE WORKMEN AND THE WORK, AND FOR MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.
19. THE CONTRACTOR SHALL ADHERE TO ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), STATE AND LOCAL SAFETY REGULATIONS.
20. PROMPTLY REPORT TO THE OWNER'S REPRESENTATIVE ANY DISCREPANCIES FOUND ON THE SITE OR IN THE CONTRACT DOCUMENTS FOR REVIEW AND RESOLUTION BEFORE PROCEEDING WITH THE WORK IN THE AREA IN QUESTION. PROVIDE FIELD INFORMATION SPECIFIC TO THE DISCREPANCY TO EXPEDITE RESOLUTION.
21. LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS.
22. TAKE ALL PRECAUTIONS NECESSARY TO PREVENT EROSION AND CONTROL SEDIMENTATION AS REQUIRED BY THE AGENCIES OF GOVERNMENT HAVING JURISDICTION.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DE-WATERING AND MAINTENANCE OF SURFACE WATER AND/OR GROUNDWATER ENCOUNTERED DURING THE COURSE OF WORK.
24. COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS REGARDING MATERIALS, METHODS OF WORK AND DISPOSAL OF EXCESS AND WASTE MATERIALS.
25. BURNING OF MATERIALS OF ANY DESCRIPTION ON THE SITE IS PROHIBITED.
26. PRIOR TO PERFORMING ANY EXCAVATION WITHIN THE CONSTRUCTION AREA, CONFIRM WITH DIG SAFELY NEW YORK AT 1-800-962-7962 THAT ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE CURRENTLY VERIFIED, OR ARRANGE FOR VERIFICATION.
27. PRIOR TO START OF WORK , THE CONTRACTOR SHALL PROVIDE EXPLORATORY EXCAVATIONS AND COORDINATE ALL PIPING LAYOUTS WITH THE OWNER'S REPRESENTATIVE TO ELIMINATE ALL CONFLICTS WITH EXISTING UTILITIES.
28. THE USE OF EXPLOSIVES OF ANY DESCRIPTION ON THE SITE IS PROHIBITED.
29. CONSTRUCTION DEBRIS AND DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT REGULAR INTERVALS AS DETERMINED BY THE OWNER'S REPRESENTATIVE AND SHALL NOT BE ALLOWED TO ACCUMULATE. EMPLOY APPROPRIATE MEASURES TO PREVENT LOOSE DEBRIS FROM LEAVING THE CONSTRUCTION AREA.
30. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE CAUSED BY CONSTRUCTION TO EXISTING UTILITIES AND FACILITIES WHICH ARE NOT INCLUDED AS PART OF THE INTENDED WORK. THE CONTRACTOR SHALL REPAIR, RESTORE AND/OR REPLACE ALL DAMAGE TO THE SATISFACTION OF UTILITY'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
31. THE CONTRACTOR SHALL RESTORE ALL DISTURBED SURFACES TO ORIGINAL OR BETTER CONDITION INCLUDING A MINIMUM OF 6 INCHES OF TOPSOIL, SEED, FERTILIZER, AND MULCH. OTHER SURFACES SHALL BE RESTORED AS SHOWN ON THE DETAILS.
32. PERFORM WORK AND PROVIDE ALL MATERIALS NECESSARY TO DISCONNECT OR RELOCATE EXISTING UTILITIES. COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR SHUTOFF AND RECONNECTION OF ACTIVE SERVICES. RECORD EXISTING UTILITY TERMINATION POINTS BEFORE DISCONNECTION.
33. ADJUST THE RIM ELEVATIONS OF EXISTING UTILITY STRUCTURES SCHEDULED TO REMAIN WITH THE FINISHED GRADE ELEVATIONS.
34. THE CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SEWER AND WATER SERVICES AT ALL TIMES, EXCEPT DURING OWNER APPROVED AND SCHEDULED INTERRUPTIONS. THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK SCHEDULE AND A DETAILED SANITARY SEWER BY-PASS PROCEDURE TO THE OWNER AND ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL RESTORE GRAVITY SANITARY SEWER SERVICE AT THE END OF EACH WORK DAY. SHOULD THIS NOT BE POSSIBLE, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BY-PASS PUMPING OPERATIONS UNTIL NORMAL GRAVITY FLOWS CAN BE RE-ESTABLISHED AT NO ADDITIONAL COST TO THE OWNER.
35. ALL STRUCTURES SHALL MEET AASHTO H20 LOADING REQUIREMENTS.
36. ALL NEW BUILDING LATERALS SHALL BE INSTALLED WITH A MINIMUM 1/4" PER FOOT SLOPE.
37. THE CONTRACTOR IS RESPONSIBLE FOR HANDLING, CUTTING AND DISPOSAL OF ALL ASBESTOS CEMENT (AC) PIPE TO BE REMOVED OR CUT IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
38. ALL EXISTING DRAINAGE FACILITIES SHALL BE MAINTAINED FREE OF DEBRIS AND FOREIGN MATTER AND BE IN OPERATION THROUGHOUT CONSTRUCTION
39. DURING SITE CLEARING ALL LARGE ROCKS/COBBLES, LEAVES, LIMBS AND DEBRIS SHOULD BE REMOVED FROM THE SURFACE. ALL TREES CUT AT GRADE AND REMOVED, ROOT STRUCTURE BELOW GRADE SHALL NOT BE REMOVED.
40. THE PROPOSED ABSORPTION AREA IS A CONVENTIONAL TRENCH SYSTEM. CONTRACTOR SHALL TAKE PRECAUTIONS TO NOT DISTURB THE AREAS BETWEEN THE TRENCH EXCAVATIONS AS MUCH AS POSSIBLE.

COUNTY REQUIRED NOTES:

1. THERE SHALL BE NO TREES WITHIN 10 FEET OF THE ONSITE WASTEWATER TREATMENT SYSTEM.
2. THERE ARE NO WELLS WITHIN 200' OF THE ONSITE WASTEWATER TREATMENT SYSTEM UNLESS OTHERWISE SHOWN ON THE PLANS.
3. THERE ARE NO ONSITE WASTEWATER TREATMENT SYSTEMS WITHIN 200' OF A WELL UNLESS OTHERWISE SHOWN ON THE PLANS.
4. THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM AREA SHALL BE ISOLATED AND PROTECTED AGAINST DAMAGE BY EROSION, STORAGE OF EARTH MATERIALS, DISPLACEMENT, COMPACTION OR OTHER ADVERSE PHYSICAL CHANGE IN THE CHARACTERISTICS OF THE SOIL OR IN THE DRAINAGE OF THE AREA.
5. IF FOR ANY REASON THE APPROVED CONSTRUCTION PLAN CAN NOT BE FOLLOWED, A REVISED PLAN MUST BE PREPARED, SUBMITTED AND APPROVED BY THE WCDOH.
6. THE DESIGN PROFESSIONAL SHALL SUPERVISE THE CONSTRUCTION OF THE ONSITE WASTEWATER TREATMENT SYSTEM AND MAKE AN OPEN WORKS INSPECTION.
7. WITHIN 24 HOURS OF THE COMPLETION OF THE ONSITE WASTEWATER TREATMENT SYSTEM, THE DESIGN PROFESSIONAL MUST NOTIFY THE WESTCHESTER COUNTY DEPT. OF HEALTH (WCDH) THAT THE ONSITE WASTEWATER TREATMENT SYSTEM IS READY FOR INSPECTION BY SUBMITTING A COMPLETED REQUEST FOR AN OPEN WORKS INSPECTION ON THE APPROPRIATE FORM TO WCDH.
8. THAT NO BACKFILLING OF A COMPLETED ONSITE WASTEWATER TREATMENT SYSTEM CAN OCCUR UNTIL IT HAS BEEN INSPECTED AND ACCEPTED BY THE WCDH.
9. AFTER BACKFILLING THE ONSITE WASTEWATER TREATMENT SYSTEM, THE AREA SHALL BE COVERED WITH A MINIMUM OF 4-INCHES OF CLEAN TOPSOIL, SEEDED AND MULCHED.SEE DETAILS FOR TOPSOIL LAYER THICKNESS REQUIRED.
10. THE INSTALLATION OF THE ONSITE WASTEWATER TREATMENT SYSTEM SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS FOR THE DESIGN AND CONSTRUCTION OF RESIDENTIAL SUBSURFACE SEWAGE TREATMENT SYSTEMS AND DRILLED WELLS IN WESTCHESTER COUNTY, NY. UNLESS THE DESIGN FLOW DICTATES THAT THE NYSDEC DESIGN STANDARDS FOR INTERMEDIATE SIZE WASTEWATER TREATMENT SYSTEM BE UTILIZED.
11. ALL PIPES CONNECTING TO TANKS AND BOXES SHALL BE CUT FLUSH WITH THE INSIDE WALL OF THE TANK OR BOX.
12. THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM SHALL BE INSTALLED BY A WESTCHESTER COUNTY LICENSED SEPTIC CONTRACTOR.
13. PRIOR TO EXCAVATION, ALL UNDERGROUND UTILITIES MUST BE LOCATED. CALL 1-800-962-7962.
14. THE WESTCHESTER COUNTY DEPT. OF HEALTH APPROVAL EXPIRES ONE YEAR FROM THE DATE ON THE APPROVAL STAMP AND IS REQUIRED TO BE RENEWED ON OR BEFORE THE EXPIRATION DATE. THE APPROVAL IS REVOCABLE FOR CAUSE OR MAY BE AMENDED OR MODIFIED WHEN CONSIDERED NECESSARY BY THE DEPARTMENT.

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The following is paraphrased from the New York Education Law, Article 145, Section 7209, and Chapter II, Section 79-1.4, and applies to this drawing: "It is a violation of this law for any person unless he is acting under the direction of a licensed professional engineer, licensed landscape architect or licensed land surveyor to alter an item in any way. If an item bearing the seal of an engineer, landscape architect or land surveyor is altered, the altering engineer, landscape architect or land surveyor shall affix to the item his seal and the notation "altered by" followed by his signature and the date of such alteration and a specific description of the alteration".

CONSULTANT INFORMATION

EDR a better environment

Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.
217 Montgomery Street, Suite 1100
Syracuse, New York 13202
P. 315.471.0688

IN CHARGE OF _____

CHECKED BY _____

MADE BY _____

STATE OF NEW YORK · MICHAEL E. TAMBURINO · 073737 · LICENSED PROFESSIONAL ENGINEER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
–	–	–	–	–
–	–	–	–	–
–	–	–	–	–
01	01/10/23	JTW	BB	FOR CONSTRUCTION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

ABBREVIATIONS AND GENERAL NOTES

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-02

SHEET NO. 39 OF 62

SCALE: NO SCALE
DATE: 01/10/2023

DPW FILE NO.	REV. NO.
91-01-G-57-0	-

SUBSURFACE EXPLORATION
DEEP TEST PIT LOG

Test Pit No. TP-1 | **Page No.** 1 of 1 | **Project No.** 20199

Project Name: Alfred B. DelBello Muscoot Farms - Wastewater Treatment System Upgrades
Client: Westchester County Department of Public Works and Transportation
Location: 51 NY Route 100, Somers, NY

Date Started 12-9-20 | **Date Finished** 12-10-20 | Surface Elev.: Not Recorded

METHOD OF INVESTIGATION

Contractor Performing Test: PECORD Excavating & Contracting Corp. 1340 Hayes Drive, Yorktown Heights, NY 10598
Equipment Used: Mini Excavator

WEATHER OBSERVATIONS

Date	Time	Skies	Precipitation	Air Temp (°F)	Ground Moisture
11-18-20	8:00 AM	sunny	none	36	dry
11-18-20	12:00 PM	sunny	none	48	dry
11-18-20	5:00 PM	sunny	none	42	dry

LOG OF OBSERVATION DEPTH / **MATERIAL DESCRIPTION AND VISUAL CLASSIFICATION**

Depth Scale (Feet)	Sample No.	Observation Depth (In.) From	To	REMARKS	c - coarse, m - medium, f - fine	and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%
0–1		0	14"	Test Pit located in the garden area on the southern side of the area	Topsoil / Organic material, silt/clay with traces of c/sand, traces of gravel, dark brown, moist, roots to 14"	
2–5		14"	64"		Medium Brown, clean c/sand, traces of silt/clay, with some gravel, moist	
6–9		64"	120"		Light Brown, clean c/sand, traces of gravel, moist	
10–11		120"	-		Bottom of Test Pit @ 120" no groundwater observed in the test pit	

SUBSURFACE EXPLORATION
DEEP TEST PIT LOG

Test Pit No. TP-2 | **Page No.** 1 of 1 | **Project No.** 20199

Project Name: Alfred B. DelBello Muscoot Farms - Wastewater Treatment System Upgrades
Client: Westchester County Department of Public Works and Transportation
Location: 51 NY Route 100, Somers, NY

Date Started 12-9-20 | **Date Finished** 12-10-20 | Surface Elev.: Not Recorded

METHOD OF INVESTIGATION

Contractor Performing Test: PECORD Excavating & Contracting Corp. 1340 Hayes Drive, Yorktown Heights, NY 10598
Equipment Used: Mini Excavator

WEATHER OBSERVATIONS

Date	Time	Skies	Precipitation	Air Temp (°F)	Ground Moisture
11-18-20	8:00 AM	sunny	none	36	dry
11-18-20	12:00 PM	sunny	none	48	dry
11-18-20	5:00 PM	sunny	none	42	dry

LOG OF OBSERVATION DEPTH / **MATERIAL DESCRIPTION AND VISUAL CLASSIFICATION**

Depth Scale (Feet)	Sample No.	Observation Depth (In.) From	To	REMARKS	c - coarse, m - medium, f - fine	and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%
0–1		0	16"	Test Pit located in the middle of the garden area, southerly location	Topsoil / Organic material, silt/clay with traces of c/sand, traces of gravel, dark brown, moist, roots to 14"	
2–5		16"	64"		Medium Brown, clean c/sand, traces of silt/clay, with some gravel, moist	
6–8		64"	112"		Light Brown, clean c/sand, traces of gravel, moist	
9–11		112"	-		Bottom of Test Pit @ 112" no groundwater observed in the test pit	

SUBSURFACE EXPLORATION
DEEP TEST PIT LOG

Test Pit No. TP-5 | **Page No.** 1 of 1 | **Project No.** 20199

Project Name: Alfred B. DelBello Muscoot Farms - Wastewater Treatment System Upgrades
Client: Westchester County Department of Public Works and Transportation
Location: 51 NY Route 100, Somers, NY

Date Started 12-9-20 | **Date Finished** 12-10-20 | Surface Elev.: Not Recorded

METHOD OF INVESTIGATION

Contractor Performing Test: PECORD Excavating & Contracting Corp. 1340 Hayes Drive, Yorktown Heights, NY 10598
Equipment Used: Mini Excavator

WEATHER OBSERVATIONS

Date	Time	Skies	Precipitation	Air Temp (°F)	Ground Moisture
11-18-20	8:00 AM	sunny	none	36	dry
11-18-20	12:00 PM	sunny	none	48	dry
11-18-20	5:00 PM	sunny	none	42	dry

LOG OF OBSERVATION DEPTH / **MATERIAL DESCRIPTION AND VISUAL CLASSIFICATION**

Depth Scale (Feet)	Sample No.	Observation Depth (In.) From	To	REMARKS	c - coarse, m - medium, f - fine	and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%
0–1		0	21"	test pit located in the horse pasture, northern most test pit	Topsoil / Organic material, silt/clay with traces of c/sand, traces of gravel, dark brown, moist, roots to 18"	
2–5		21"	60"		Medium Brown, c/m/sand, and silt/clay, with some gravel, little cobbles, moist, compact	
6–8		60"	96"		Dark Brown, c/m/sand, and silt/clay, with some gravel, little cobbles, moist, medium compact	
9–11		96"	-		Bottom of Test Pit @ 96" no groundwater observed in the test pit	

SUBSURFACE EXPLORATION
DEEP TEST PIT LOG

Test Pit No. TP-3 | **Page No.** 1 of 1 | **Project No.** 20199

Project Name: Alfred B. DelBello Muscoot Farms - Wastewater Treatment System Upgrades
Client: Westchester County Department of Public Works and Transportation
Location: 51 NY Route 100, Somers, NY

Date Started 12-9-20 | **Date Finished** 12-10-20 | Surface Elev.: Not Recorded

METHOD OF INVESTIGATION

Contractor Performing Test: PECORD Excavating & Contracting Corp. 1340 Hayes Drive, Yorktown Heights, NY 10598
Equipment Used: Mini Excavator

WEATHER OBSERVATIONS

Date	Time	Skies	Precipitation	Air Temp (°F)	Ground Moisture
11-18-20	8:00 AM	sunny	none	36	dry
11-18-20	12:00 PM	sunny	none	48	dry
11-18-20	5:00 PM	sunny	none	42	dry

LOG OF OBSERVATION DEPTH / **MATERIAL DESCRIPTION AND VISUAL CLASSIFICATION**

Depth Scale (Feet)	Sample No.	Observation Depth (In.) From	To	REMARKS	c - coarse, m - medium, f - fine	and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%
0–1		0	13"	Test Pit located in the middle of the garden area, northerly location	Topsoil / Organic material, silt/clay with traces of c/sand, traces of gravel, dark brown, moist, roots to 13"	
2–8		13"	30"		Medium Brown, clean c/sand, traces of silt/clay, with some gravel, moist	
9–11		30"	102"		Light Brown, clean c/sand with some f/sand, traces of gravel and cobbles, moist	
		102"	-		Bottom of Test Pit @ 102" no groundwater observed in the test pit	

SUBSURFACE EXPLORATION
DEEP TEST PIT LOG

Test Pit No. TP-4 | **Page No.** 1 of 1 | **Project No.** 20199

Project Name: Alfred B. DelBello Muscoot Farms - Wastewater Treatment System Upgrades
Client: Westchester County Department of Public Works and Transportation
Location: 51 NY Route 100, Somers, NY

Date Started 12-9-20 | **Date Finished** 12-10-20 | Surface Elev.: Not Recorded

METHOD OF INVESTIGATION

Contractor Performing Test: PECORD Excavating & Contracting Corp. 1340 Hayes Drive, Yorktown Heights, NY 10598
Equipment Used: Mini Excavator

WEATHER OBSERVATIONS

Date	Time	Skies	Precipitation	Air Temp (°F)	Ground Moisture
11-18-20	8:00 AM	sunny	none	36	dry
11-18-20	12:00 PM	sunny	none	48	dry
11-18-20	5:00 PM	sunny	none	42	dry

LOG OF OBSERVATION DEPTH / **MATERIAL DESCRIPTION AND VISUAL CLASSIFICATION**

Depth Scale (Feet)	Sample No.	Observation Depth (In.) From	To	REMARKS	c - coarse, m - medium, f - fine	and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%
0–2		0	27"	test pit located in the northern most portion of the garden area	Topsoil / Organic material, silt/clay with traces of c/sand, traces of gravel, dark brown, moist, roots to 10"	
3–9		27"	112"		Light Brown, clean c/sand with some f/sand, traces of gravel and cobbles, moist,	
10–11		112"	-		Bottom of Test Pit @ 112" no groundwater observed in the test pit	

DESIGN DATA INFORMATION:

DAILY FLOW RATE: 3,350 GALLONS PER DAY (gpd)
PERCOLATION RATE: 1-5 MIN./IN.
APPLICATION RATE: 1.2 GAL./DAY/SQ. FT.

ABSORPTION TRENCH DESIGN:
3,350 GPD / 1.2 GAL./DAY/SQ.FT. / 2 FT WIDE TRENCH = 1,396 LINEAR FEET OF TRENCH REQUIRED

DESIGN PROVIDES 1,400 LF OF ABSORPTION TRENCH

SEPTIC TANK DESIGN:
MINIMUM EFFECTIVE TANK CAPACITY = 1.5Q
(Q = DAILY FLOW RATE)
TANK DESIGN = 1.5 * 3,350GPD = 5,025 GALLON CAPACITY MINIMUM

REVISED TANK SIZING CALCULATION DUE TO SHORTENED DELIVERY PERIOD

3,350 GPD / 10 HRS. DAY = VOLUME OF SEPTIC TANK REQUIRED / 24 HR. PERIOD

DESIGN PROVIDES 8,000 GALLON CAPACITY SEPTIC TANK

DOSE VOLUME:
75% - 85% OF THE ABSORPTION TRENCH PIPE VOLUME
THERE ARE TWO ABSORPTION FIELDS, EACH CONTAINING 700 LF OF 4"Ø PERFORATED PIPE
700 LF * 4"Ø PIPE VOLUME = 700 LF X 0.653 GAL./FT = 457 GALLONS
457 GAL. * 0.75 = 343 GAL.
457 GAL. * 0.85 = 389 GAL.
EACH PUMP WILL DISCHARGE 353 GALLONS PER DOSE TO EACH ABSORPTION FIELD. THE PUMPS WILL BE ALTERNATING TO DOSE ONE ABSORPTION FIELD AT A TIME.

MAIN PUMP STATION DESIGN:
MINIMUM DISCHARGE CAPACITY OF 125% OF MAXIMUM RATE OF FLOW. PEAK HOURLY FLOW WAS CALCULATED BY USING THE AVERAGE DESIGN FLOW OF 3,350 GPD AND DIVIDING BY THE NUMBER OF HOURS THAT THE PARK IS OPEN EACH DAY (10 HOURS), THEN APPLYING A PEAKING FACTOR OF 4.0.

3,350 GPD / 10 HRS. PER DAY * 4.0 PEAKING FACTOR = 1,340 GAL./HR. = 22 GAL. / MIN.
MINIMUM DISCHARGE CAPACITY = 1.25 * 22 GAL. / MIN. = 28 GAL./MIN. MINIMUM PUMP CAPACITY

RESERVE CAPACITY = 25% CAPACITY BASED ON DESIGN FLOW
RESERVE CAPACITY = 3,350 GPD * 0.25 = 838 GALLONS RESERVE CAPACITY MINIMUM
PUMP STATION PROVIDES 1,295 GALLON CAPACITY BETWEEN THE INVERT INTO THE WET WELL AND THE HIGH ALARM FLOAT.

MUSEUM PUMP STATION DESIGN:
MINIMUM DISCHARGE CAPACITY OF 125% OF MAXIMUM RATE OF FLOW. PEAK HOURLY FLOW WAS CALCULATED BY USING THE AVERAGE DESIGN FLOW OF 1,500 GPD AND DIVIDING BY THE NUMBER OF HOURS THAT THE PARK IS OPEN EACH DAY (10 HOURS), THEN APPLYING A PEAKING FACTOR OF 4.0.

1,500 GPD / 10 HRS. PER DAY * 4.0 PEAKING FACTOR = 600 GAL./HR. = 10 GAL. / MIN.
MINIMUM DISCHARGE CAPACITY = 1.25 * 10 GAL. / MIN. = 12.5 GAL./MIN. MINIMUM PUMP CAPACITY

RESERVE CAPACITY = 25% CAPACITY BASED ON DESIGN FLOW
RESERVE CAPACITY = 1,500 GPD * 0.25 = 375 GALLONS RESERVE CAPACITY MINIMUM
PUMP STATION PROVIDES 379 GALLON CAPACITY BETWEEN THE INVERT INTO THE WET WELL AND THE HIGH ALARM FLOAT.

MAINTENANCE PUMP STATION DESIGN:
MINIMUM DISCHARGE CAPACITY OF 125% OF MAXIMUM RATE OF FLOW. PEAK HOURLY FLOW WAS CALCULATED BY USING THE CALCULATED DESIGN FLOW OF 225 GPD AND DIVIDING BY THE NUMBER OF HOURS THAT THE FACILITY IS OPEN EACH DAY (10 HOURS), THEN APPLYING A PEAKING FACTOR OF 4.0.

225 GPD / 10 HRS. PER DAY * 4.0 PEAKING FACTOR = 90 GAL./HR. = 1.5 GAL. / MIN.
MINIMUM DISCHARGE CAPACITY = 1.25 * 1.5 GAL. / MIN. = 2.0 GAL./MIN. MINIMUM PUMP CAPACITY

RESERVE CAPACITY = 25% CAPACITY BASED ON DESIGN FLOW
RESERVE CAPACITY = 225 GPD * 0.25 = 56 GALLONS RESERVE CAPACITY MINIMUM
PUMP STATION PROVIDES 227 GALLON CAPACITY BETWEEN THE INVERT INTO THE WET WELL AND THE HIGH ALARM FLOAT.

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
Bureau of Environmental Quality 25 Moore Ave
Mount Kisco, NY 10549
DESIGN DATA SHEET – SEPARATE SEWAGE SYSTEM FILE NO._____

Owner: Westchester County Dept. of Public Works and Transpo ration
Address: Michaelian Office Building, 148 Martine Avenue, Room 512, White Plains, NY 10601

Located at (Street): 51 NY Route 100, Somers NY (Indicate nearest cross street): NY route 100 & County Route 35
Sec. 48.11 Block 1 Lot 2 Watershed: Croton

Municipality: Westchester County

SOIL PERCOLATION TEST DATA REQUIRED TO BE SUBMITTED WITH APPLICATION

Presoak Date: 12/15/2020 Run Date: 12/16/2020

Hole #	CLOCK TIME				PERCOLATION			
					Depth to Water From Ground Surface		Water Level Drop In Inches	Soil Rate Min/in Drop
Hole Number	Run No.	Start	Stop	Elapse Time Min.	Start Inches	Stop Inches		
PT-01	1	9:40	9:42	2	6	5	1	2
30" Deep	2	9:42	9:44	2	6	5	1	2
	3	9:45	9:47	2	6	5	1	2
PT-02	1	9:49	9:50	1	6	5	1	1
30" Deep	2	9:50	9:51	1	6	5	1	1
	3	9:52	9:53	1	6	5	1	1
PT-03	1	9:57	9:58	1	6	5	1	1
30" Deep	2	9:58	9:59	1	6	5	1	1
	3	9:59	10:00	1	6	5	1	1
PT-04	1	10:06	10:31	25	6	5	1	25
31" Deep	2	10:32	10:58	26	6	5	1	26
	3	10:58	11:25	27	6	5	1	27
PT-05	1	10:41	-	Percolation Test exceeded 60 min./in.				
27" Deep	2							
	3							

Perc test done by:_____

Notes:

1. Tests to be repeated at same depth until approximately equal soil rates are obtained at each percolation test hole. All data to be submitted for review.
2. Depth measurements to be made from top of hole. DO NOT REPORT INCREMENTS OF LESS THAN ONE INCH.

EQUIPMENT LIST:

MAIN PUMP STATION PUMPS - 3 PUMPS TOTAL - SULZER ABS Piranha AS 0630W WITH CONTROL PANEL AND ALARM, MULTI-TRODE LEVEL SENSOR WITH HIGH LEVEL MECHANICAL FLOAT.

MAIN HOUSE / MUSEUM PUMP STATION - EONE W SERIES DUPLEX PUMP WITH 60" DIAMETER WET WELL, 120" TOTAL HEIGHT AND EONE MODEL T260 ALARM / CONTROL PANEL.

MAINTENANCE FACILITY - EONE W SERIES DUPLEX PUMP WITH 48" DIAMETER WET WELL, 84" TOTAL HEIGHT AND EONE MODEL T260 ALARM / CONTROL PANEL.

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RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SOILS INFORMATION & DESIGN INFORMATION

CONTRACT NUMBER 20-536 | SHEET NUMBER WW-03
SHEET NO. 40 OF 62
SCALE: NO SCALE
DATE: 01/10/2023
DPW FILE NO. 91-01-G-58-0 | REV. NO. -



SYMBOLS LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- W — WATER MAIN
- D — STORM DRAIN
- CD — COMMUNICATION / DATA
- E — ELECTRIC
- S — SANITARY SEWER
- 220 — 5' INTERVAL CONTOUR
- 1' INTERVAL CONTOUR
- EDGE OF WATER
- SWALE CENTERLINE
- EDGE OF TREES
- EDGE OF BRUSH
- 22" OAK — TREE WITH DESCRIPTION
- STONE WALL
- FENCE
- UTILITY POLE
- LUP — LIGHT/UTILITY POLE
- MH — SANITARY MANHOLE
- EMH (E) — ELECTRIC MANHOLE
- CATCH BASIN
- RL — ROOF DRAIN LEADER
- YH — YARD HYDRANT
- WV — WATER VALVE
- TP-X — TEST PIT
- PERCOLATION TEST

NOTES:
1. EXISTING STRUCTURES THAT HAVE GUTTERS AND ROOF LEADERS ARE SHOWN ON THE DRAWINGS. THE ROOF LEADERS ARE LABELED WITH THE SYMBOL SHOWN IN THE LEGEND.

N

40 20 0 20 40 80

GRAPHIC SCALE (IN FEET)

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SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

EXISTING CONDITIONS PLAN

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-04

SHEET NO. 41 OF 62
SCALE: 1"=40'
DATE: 01/10/2023
DPW FILE NO. 91-01-G-59-0
REV. NO. -



SYMBOLS LEGEND

- PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- W — WATER MAIN
- D — STORM DRAIN
- CD — COMMUNICATION / DATA
- E — ELECTRIC
- S — SANITARY SEWER
- 220 — 5' INTERVAL CONTOUR
- 1' INTERVAL CONTOUR
- EDGE OF WATER
- SWALE CENTERLINE
- EDGE OF TREES
- EDGE OF BRUSH
- 22" OAK — TREE WITH DESCRIPTION
- STONE WALL
- FENCE
- UTILITY POLE
- LUP — LIGHT/UTILITY POLE
- MH — SANITARY MANHOLE
- EMH — ELECTRIC MANHOLE
- CATCH BASIN
- RL — ROOF DRAIN LEADER
- YH — YARD HYDRANT
- WV — WATER VALVE
- TEST PIT
- PERCOLATION TEST

N

40 20 0 20 40 80

GRAPHIC SCALE (IN FEET)

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REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
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–	–	–	–	–
–	–	–	–	–
01	01/10/23	JTW	BB	FOR CONSTRUCTION

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CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

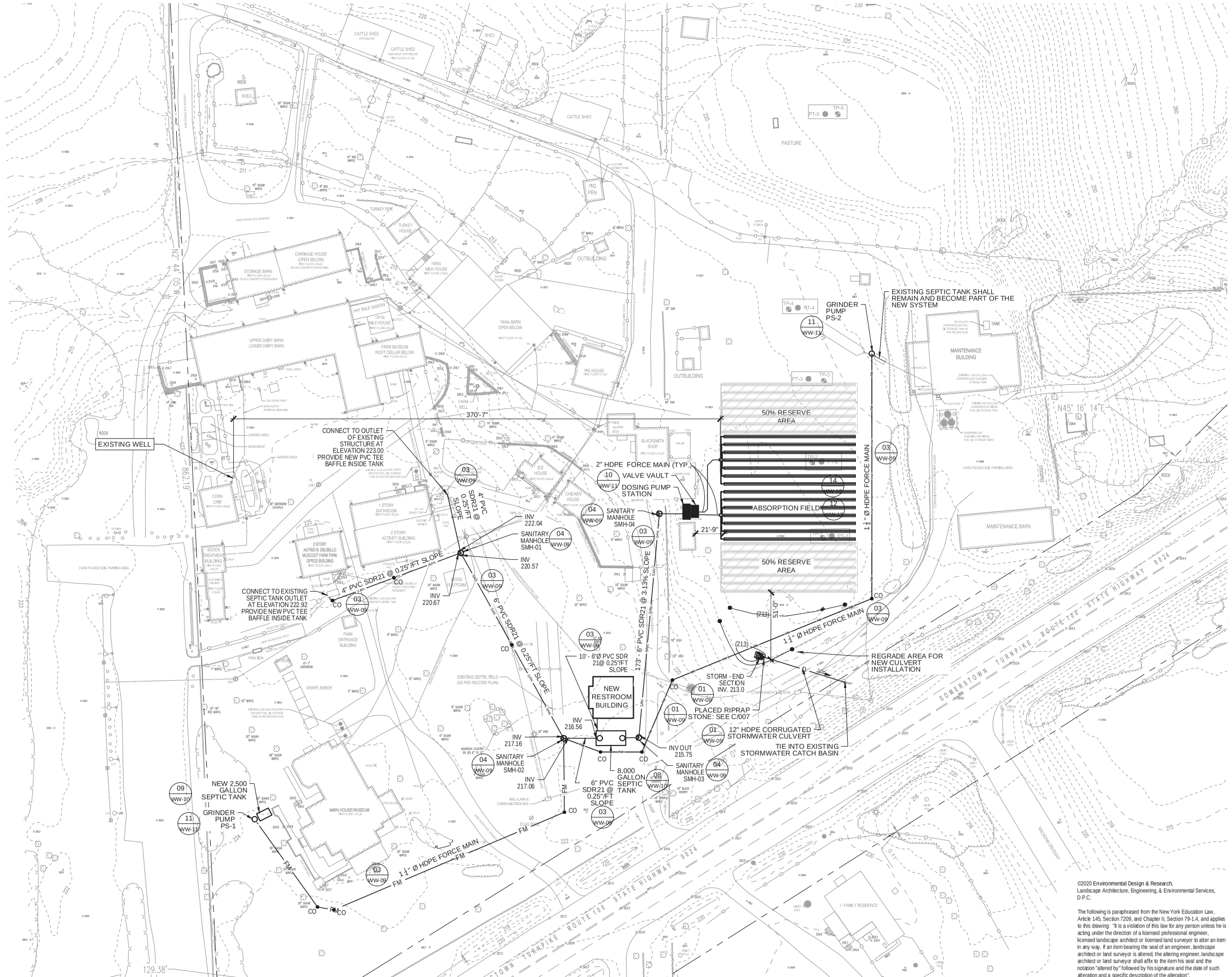
DEMOLITION PLAN

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-05

SHEET NO. 42 OF 62

SCALE: 1"=40'
DATE: 01/10/2023

DPW FILE NO.	REV. NO.
91-01-G-60-0	-



SYMBOLS LEGEND

SYMBOL	ITEM
(212)	CONTOUR - FINISHED
(215)	CONTOUR - FINISHED - INDEX
D	STORM DRAINAGE LINE
SAN SAN	SANITARY LINE
FM FM FM	SANITARY FORCEMAIN
CO	UTILITY - CLEANOUT
	SANITARY MANHOLE
	STORM END SECTION
	PUMP STATION

GENERAL NOTES:

1. ALL ROOF DRAINS, GUTTERS AND FOUNDATION DRAINS FROM THE NEW RESTROOM FACILITIES SHALL BE DIRECTED AWAY AND DOWN SLOPE FROM ANY OF THE COMPONENTS OF THE PROPOSED WASTEWATER TREATMENT SYSTEM.
2. EXISTING ROOF LEADERS ON EXISTING STRUCTURES ARE SHOWN ON THE SURVEY AND THE SYMBOL IS IDENTIFIED ON THE EXISTING CONDITIONS DRAWING LEGEND.

N

40 20 0 20 40 80

GRAPHIC SCALE (IN FEET)

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–	–	–	–	–
–	–	–	–	–
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RECORD DRAWING CERTIFICATION

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CONTRACTOR
NAME _____
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TITLE _____ DATE _____

PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

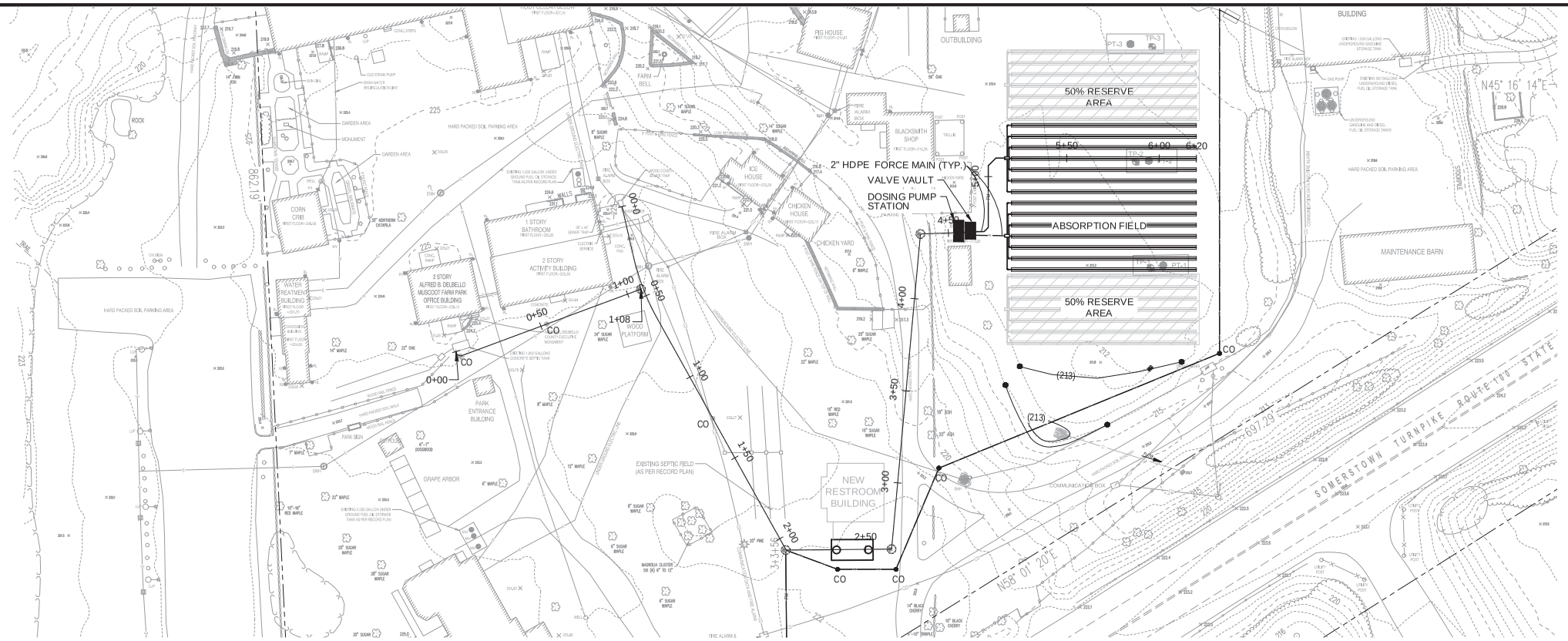
PROPOSED SITE PLAN

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-06

SHEET NO. 43 OF 62

SCALE: 1"=40'
DATE: 01/10/2023

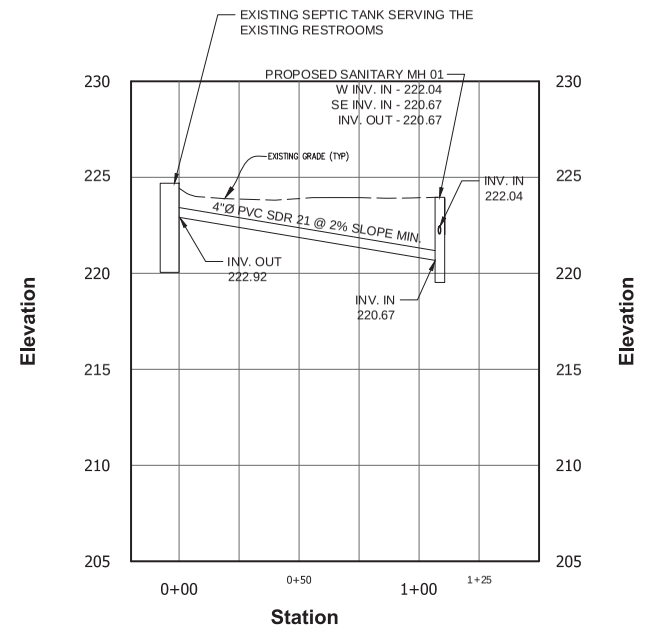
DPW FILE NO. 91-01-G-61-0
REV. NO. -



PROPOSED WASTEWATER TREATMENT SYSTEM - PLAN VIEW

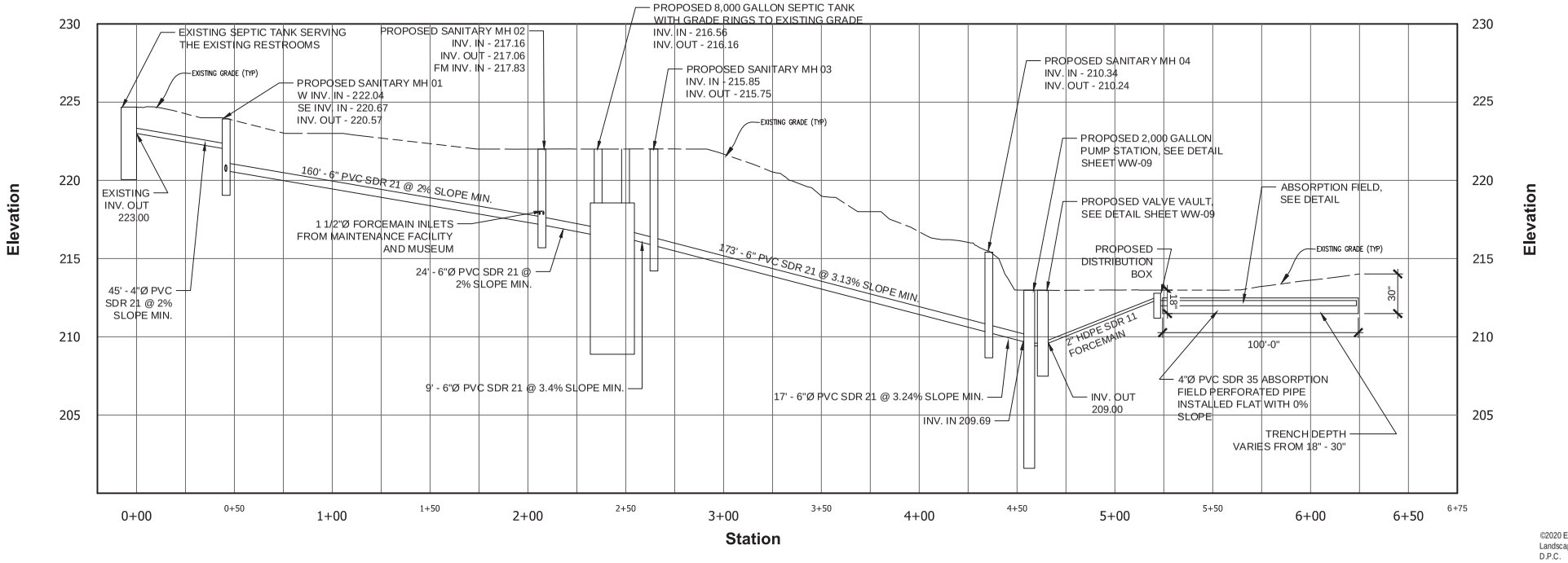
Scale: 1" = 40'-0"

SYMBOLS LEGEND	
SYMBOL	ITEM
(212)	CONTOUR - FINISHED
(215)	CONTOUR - FINISHED - INDEX
D D D	STORM DRAINAGE LINE
S S S	SANITARY LINE
FM FM FM	SANITARY FORCEMAIN
CO	UTILITY - CLEANOUT
	SANITARY MANHOLE
	STORM END SECTION
	PUMP STATION



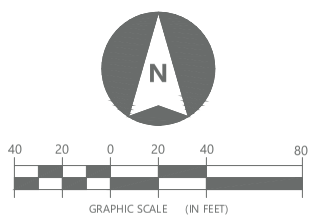
PROPOSED LATERAL FROM OFFICE BLDG

HORZ:1" = 40'
VERT: 1" = 5'



PROPOSED SYSTEM PROFILE

HORZ:1" = 40'
VERT: 1" = 5'



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–	–	–	–	–
–	–	–	–	–
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RECORD DRAWING CERTIFICATION

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☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

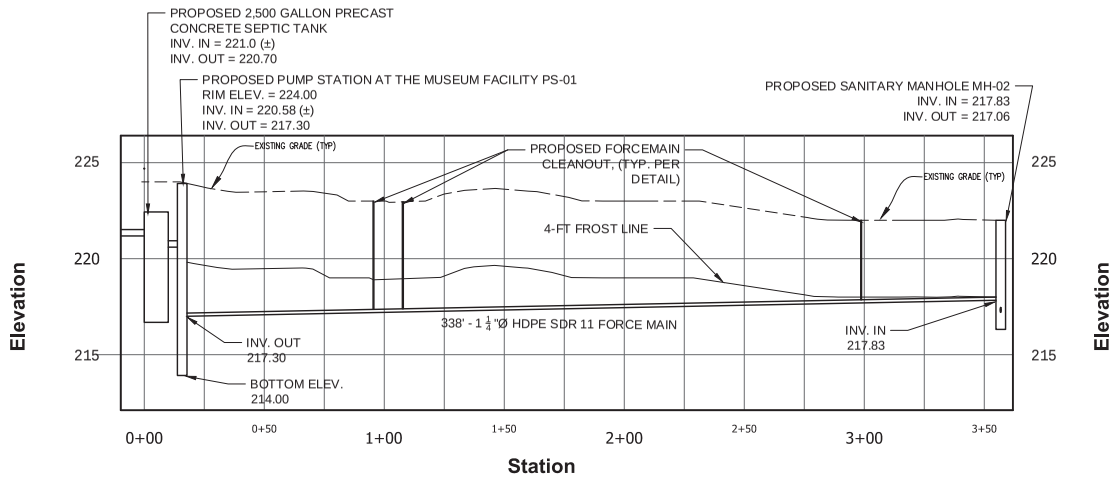
PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

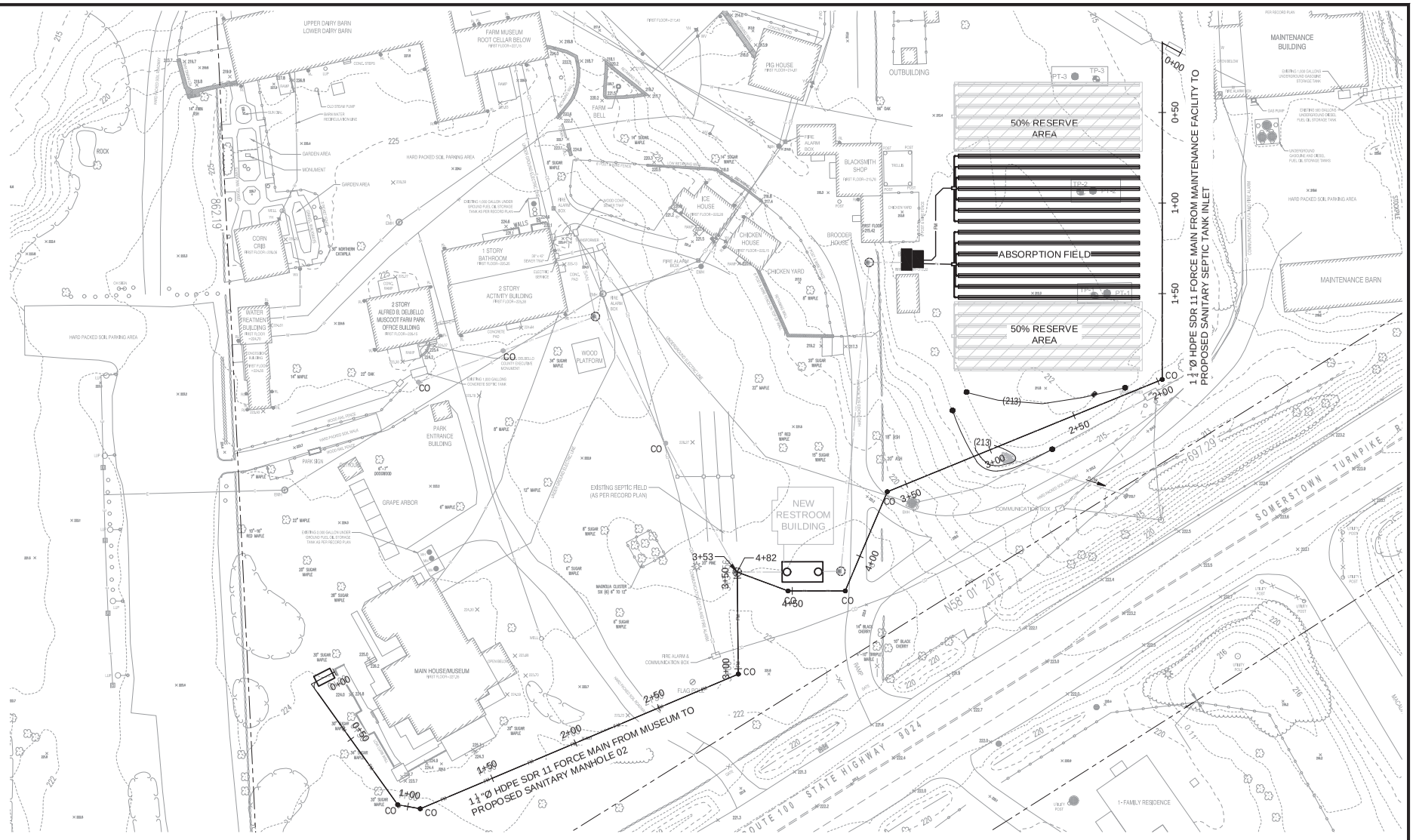
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PROPOSED SYSTEM PROFILE

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-07
SHEET NO. 44 OF 62	
SCALE: 1"=40'	
DATE: 01/10/2023	
DPW FILE NO. 91-01-G-62-0	REV. NO. -

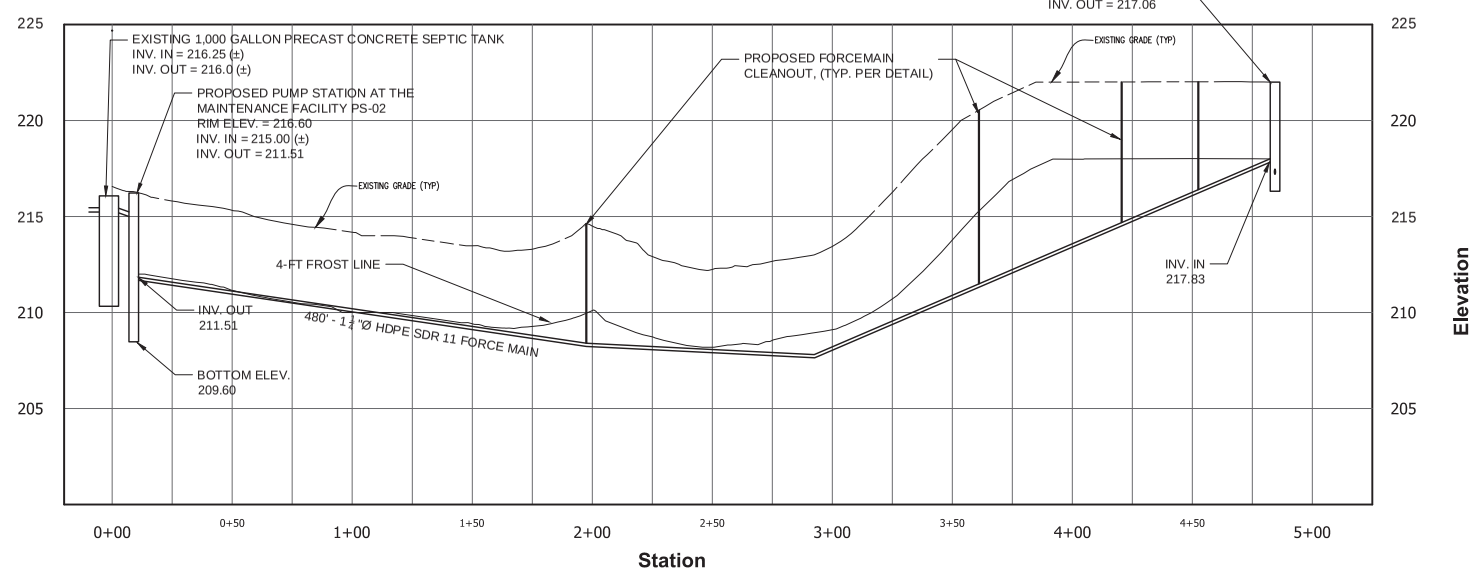


MUSEUM FORCEMAIN PROFILE
HORZ:1" = 40'
VERT: 1" = 5'



PROPOSED FORCE MAIN LOCATIONS FROM THE MAINTENANCE BLDG & MUSEUM - PLAN VIEW

Scale: 1" = 40'-0"



MAINTENANCE BUILDING FORCEMAIN PROFILE
HORZ:1" = 40'
VERT: 1" = 5'

SYMBOLS LEGEND

SYMBOL	ITEM
(212)	CONTOUR - FINISHED
(215)	CONTOUR - FINISHED - INDEX
	STORM DRAINAGE LINE
	SANITARY LINE
	SANITARY FORCEMAIN
CO	UTILITY - CLEANOUT
	SANITARY MANHOLE
	STORM END SECTION
	PUMP STATION

N

40 20 0 20 40 80

GRAPHIC SCALE (IN FEET)

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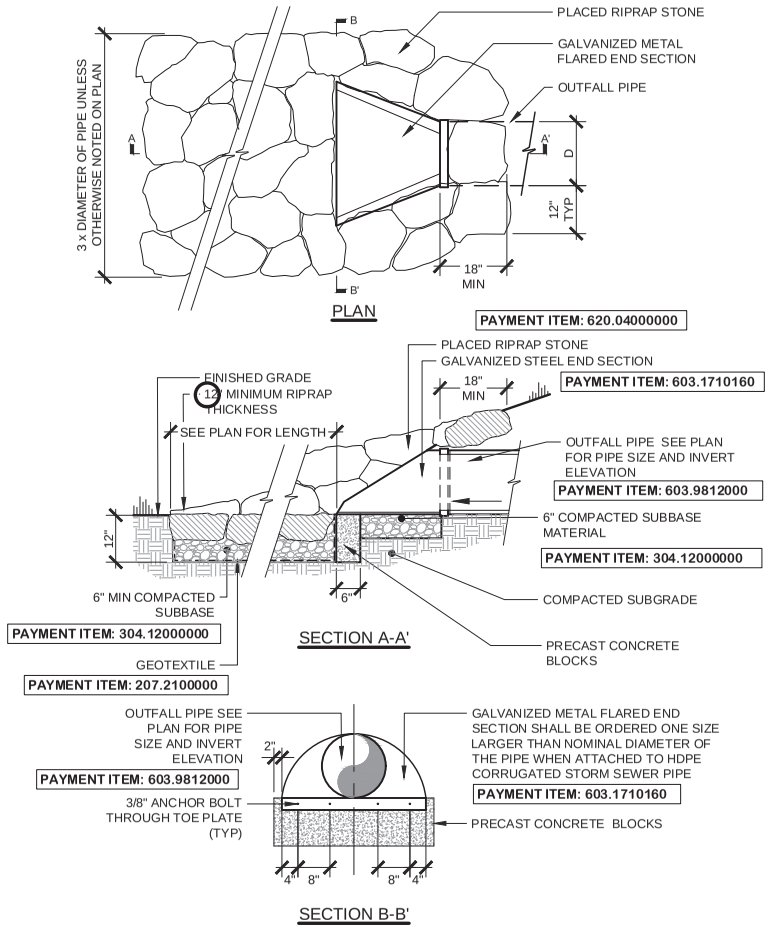
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PROPOSED FORCE MAIN PROFILES

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-08

SHEET NO. 45 OF 62

SCALE: 1"=40'
DATE: 01/10/2023
DPW FILE NO. 91-01-G-63-0
REV. NO. -



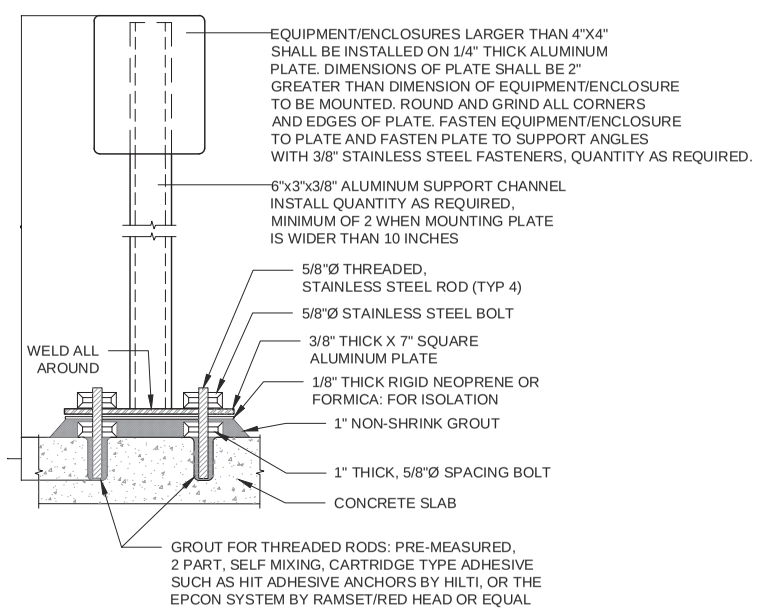
NOTES:

1. BED STONE BED STONE ON SUBBASE MATERIAL WITH WEIGHT OF STONE CARRIED BY SUBBASE, NOT BY ADJACENT STONES.
2. ON SLOPES, PLACE LARGEST STONES AT BOTTOM OF SLOPE.
3. FIT STONES TIGHTLY TOGETHER.
4. FILL JOINTS BETWEEN STONES WITH SPALLS RAMMED SECURELY IN PLACE, FLUSH WITH GRADE.
5. FINISHED SURFACE TO BE TIGHT, UNIFORM AND REASONABLY SMOOTH.

PAYMENT ITEM: 603.98120000

01 STORM - END SECTION

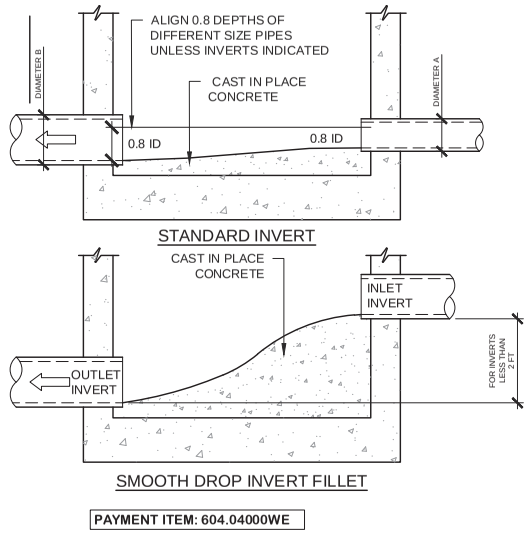
Scale: NTS WITH PLACED RIPRAP



PAYMENT ITEM: 664.01002WE

05 MOUNTING STAND

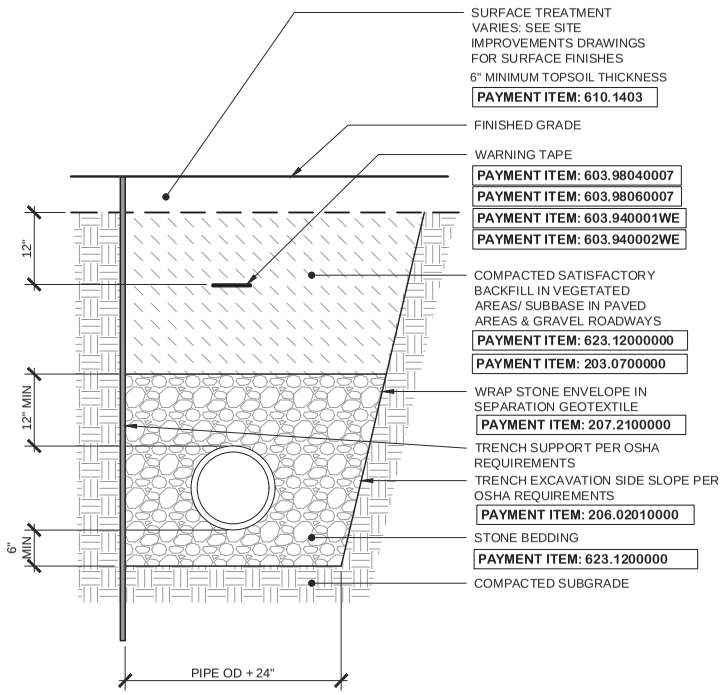
NOT TO SCALE



PAYMENT ITEM: 604.04000WE

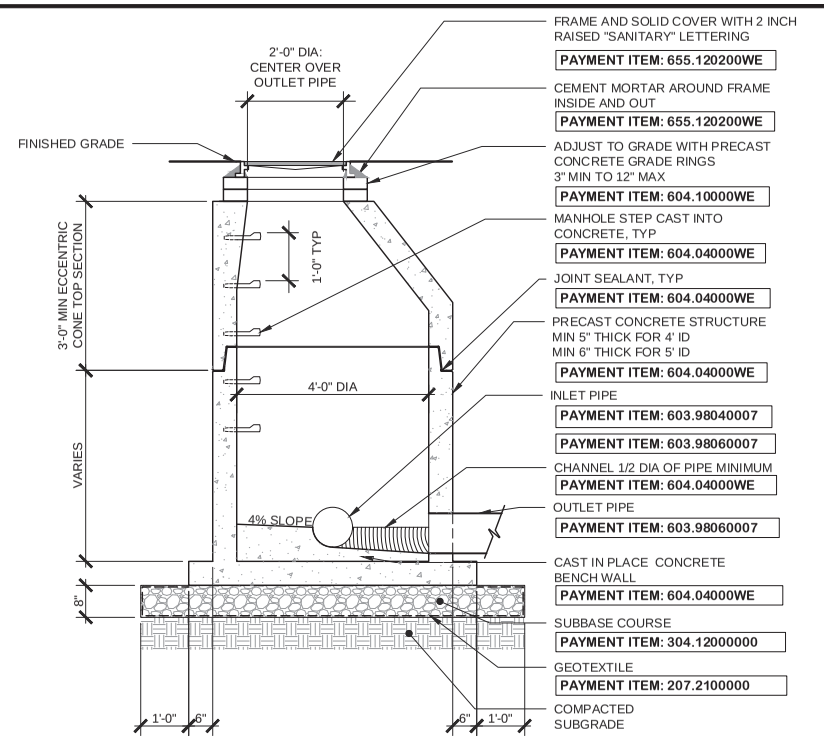
02 SANITARY - MANHOLE INVERT & CHANNEL

Scale: NTS



03 PIPE TRENCH

Scale: NTS WITH STONE BEDDING



NOTE:

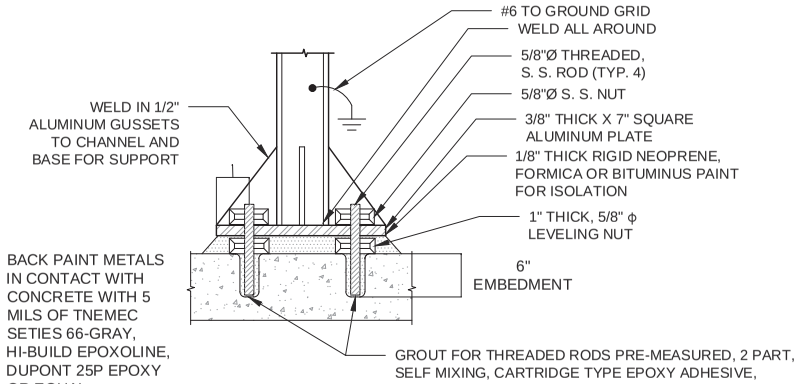
1. SEE PLAN FOR PIPE SIZES AND INVERT ELEVATIONS

EXCAVATION PAYMENT ITEM: 206.02010000

BACKFILL PAYMENT ITEM: 203.07000000

04 SANITARY - MANHOLE

Scale: NTS



ELECTRICAL APPLICATION:
ELECTRICAL ITEMS LARGER THAN 4" X 4" SHALL BE INSTALLED ON A MOUNTING PLATE. TWO POSTS ARE REQUIRED FOR ENCLOSURES WIDER THAN 8". MOUNTING PLATES SHALL BE 1/4" THICK ALUMINUM PLATE 2" GREATER ON EACH SIDE THAN DIMENSION OF ENCLOSURE(S). ROUND ALL CORNERS AND EDGES. EQUIPMENT MOUNTING SHALL BE WITH STAINLESS STEEL FASTENERS. ANCHOR PLATE TO POST WITH 3/8" DIAMETER STAINLESS STEEL FASTENERS. PROVIDE #6 GROUND TO GROUND GRID.

CHEMICAL APPLICATION:
FOR CHEMICAL PIPING, VALVES, FITTINGS, ETC. APPLICATION USE MINIMUM 1/2" THICK FRP PLATE MATERIAL, FRP POSTS AND BASE PLATES WITH 316 STAINLESS STEEL FASTENERS AND HARDWARE.

PAYMENT ITEM: 664.01001WE

06 MOUNTING STAND

NOT TO SCALE

NOTES:

1. ALL MOUNTING STAND MATERIAL SHALL BE ALUMINUM.
2. ALL FASTENER ANCHORS AND HARDWARE SHALL BE 316 STAINLESS STEEL.

PAYMENT ITEM: 664.01001WE

07 MOUNTING STAND BASE

NOT TO SCALE

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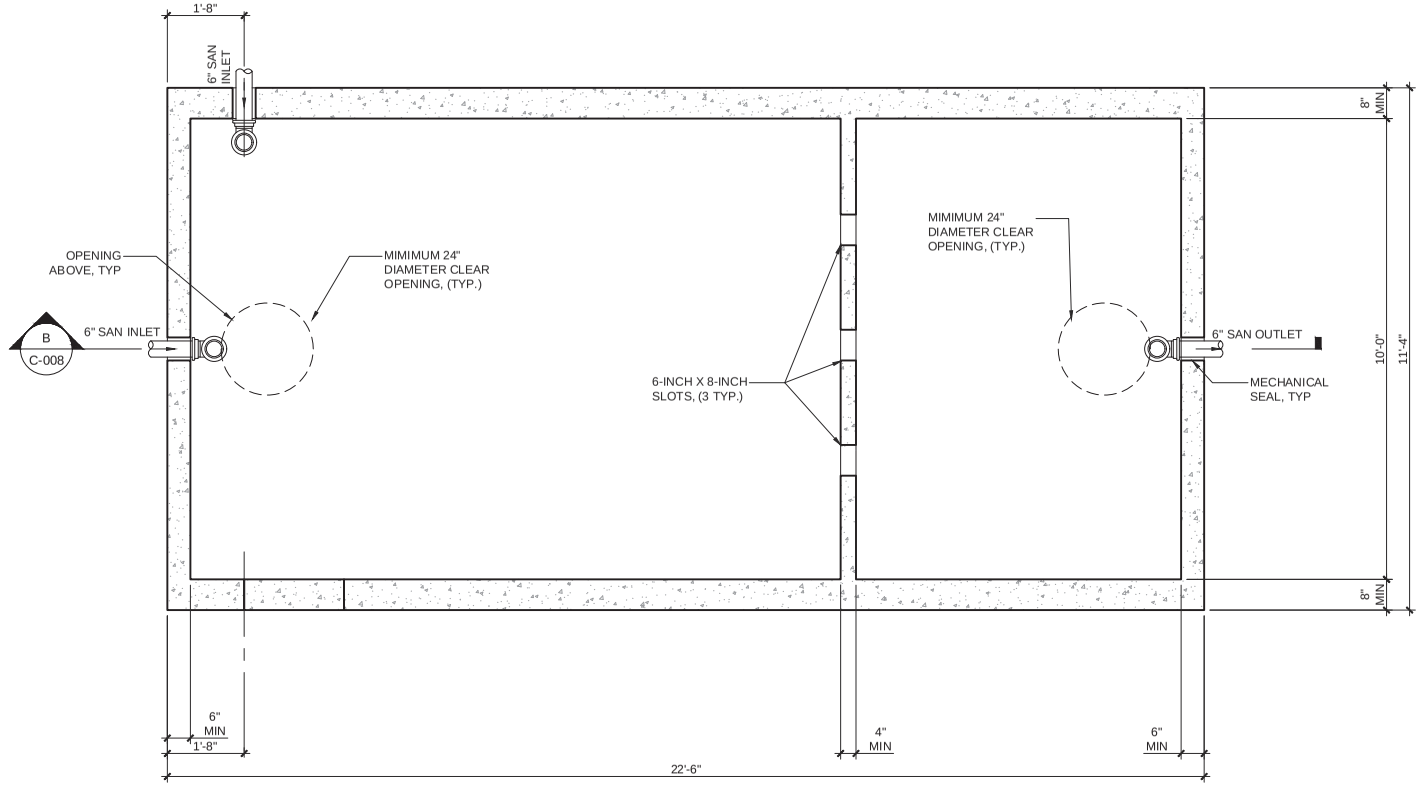
SITE DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-09

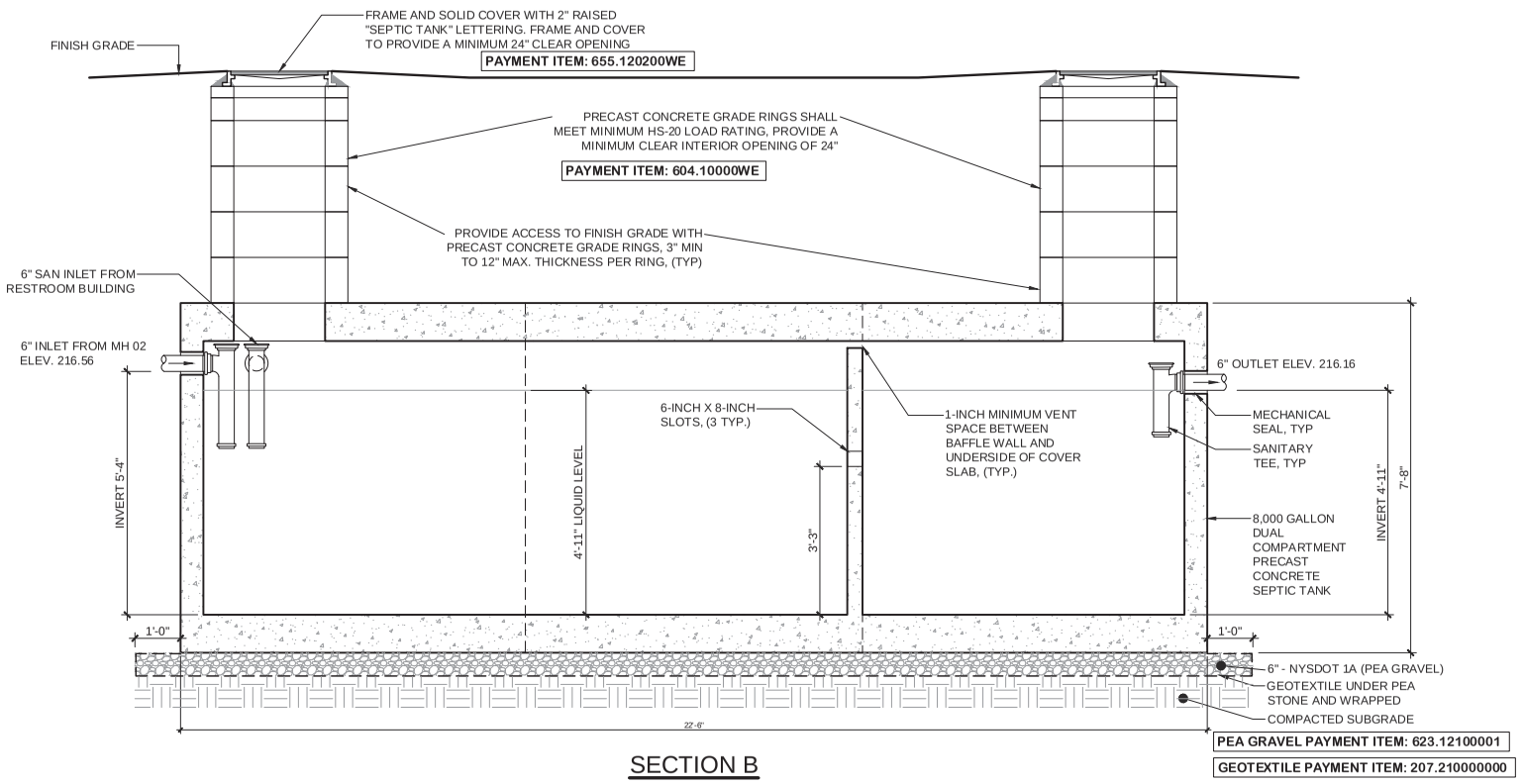
SHEET NO. 46 OF 62

SCALE: AS NOTED
DATE: 01/10/2023

DPW FILE NO.	REV. NO.
91-01-G-64-0	-



PLAN



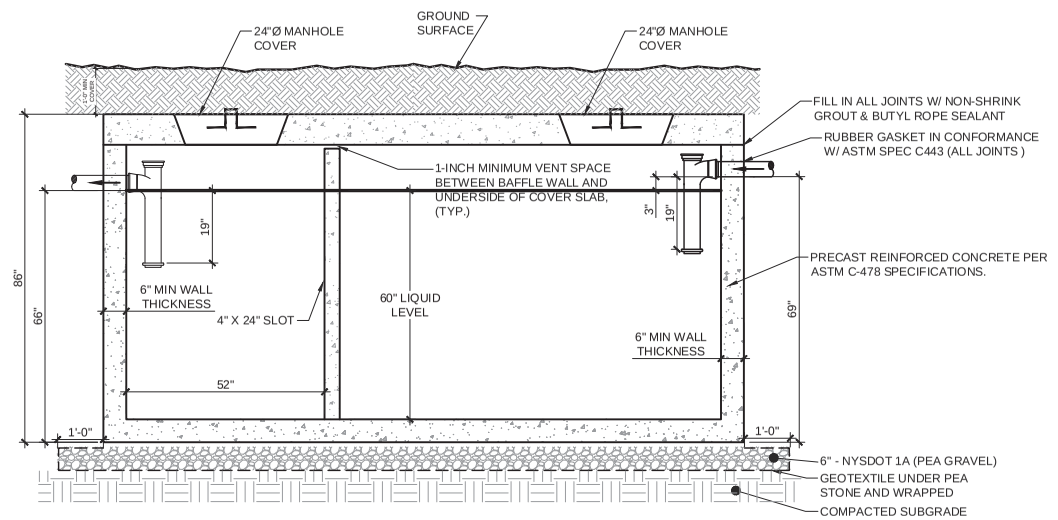
SECTION B

08 8,000 GALLON PRECAST CONCRETE SEPTIC TANK

Scale: NTS

PAYMENT ITEM: 604.92010009

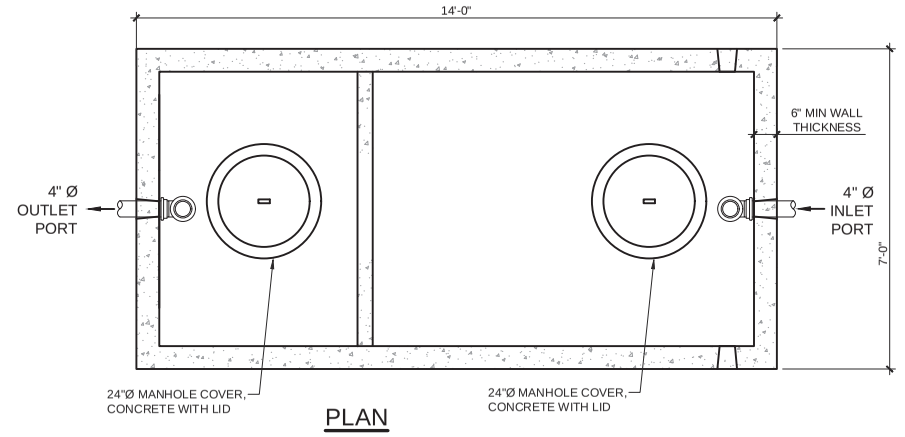
NOTE:
IF EARTH COVER OVER THE PRECAST CONCRETE TOP EXCEEDS 24" IN DEPTH, PRECAST CONCRETE GRADE RINGS SHALL BE USED TO EXTEND ACCESS TO FINISHED GRADE. PRECAST GRADE RINGS SHALL BE HS-20 LOAD RATED WITH A MINIMUM CLEAR OPENING OF 24"



SECTION B

PEA GRAVEL PAYMENT ITEM: 623.12100001

GEOTEXTILE PAYMENT ITEM: 207.210000000



PLAN

09 2,500 GALLON PRECAST CONCRETE SEPTIC TANK

Scale: NTS

PAYMENT ITEM: 604.92010009

PRECAST CONCRETE STRUCTURE GENERAL NOTES:

1. ALL REINFORCEMENT SHALL BE ASTM A496 - A-615 GRADE 60 AND SHALL BE PLACED SO IT WILL HAVE A MINIMUM COVER OF 2" AND BE LOCATED APPROXIMATELY WITHIN THE CENTER OF THE SECTION.
2. TOP SLAB AND/OR FRAME ADJUSTMENT: A MINIMUM OF 1/2" OF BEDDING MORTAR SHALL BE PLACED BETWEEN RISER AND PRECAST TOP SLABS. GRADE ADJUSTMENTS SHALL NOT EXCEED 12 INCHES. FOR ADJUSTMENTS OVER 6 INCHES AND NOT TO EXCEED 12 INCHES, PRECAST CONCRETE ADJUSTMENT ELEMENT(S) MANUFACTURED IN ACCORDANCE WITH NYS-DOT STANDARD SPEC #706-04 SHALL BE USED; A MAXIMUM OF 2 INCHES OF MORTAR SHALL BE ALLOWED ON BOTH THE TOP AND BOTTOM OF THE PRECAST DEVICES. MORTAR SHALL BE MORTAR FOR CONCRETE MASONRY CONFORMING TO NYS-DOT STANDARD SPEC #705-21. FOR GRADE ADJUSTMENTS OVER 12 INCHES, PRECAST CONCRETE SECTIONS MEETING THE HS-20 LOAD RATING SHALL BE PROVIDED.
3. ALL PRECAST CONCRETE STRUCTURES SHALL MEET A MINIMUM HS-20 LOAD RATING (ASTM C857). EXTERIOR COATINGS ON PRECAST STRUCTURES SHALL BE BITUMASTIC COAL TAR COATING OR APPROVED EQUAL.
4. SUBMIT SHOP DRAWINGS FROM PRECAST SUPPLIER TO ENGINEER FOR APPROVAL.

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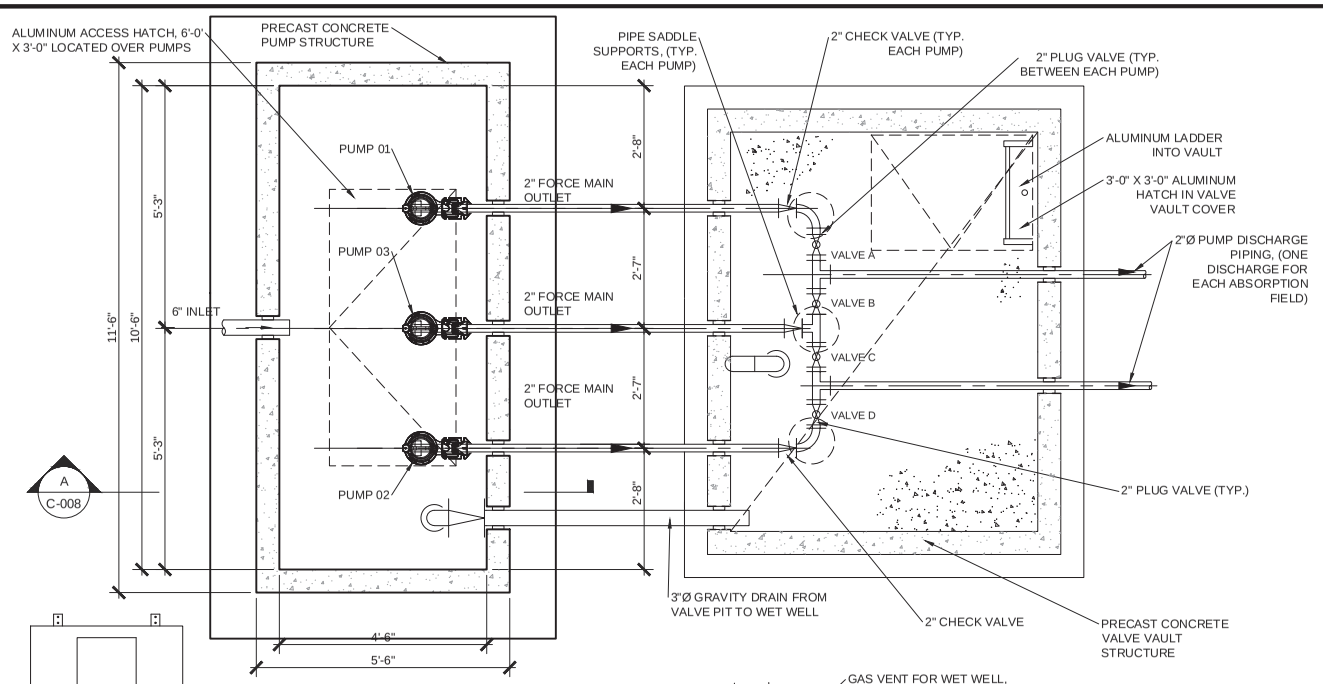
SEPTIC TANK DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-10

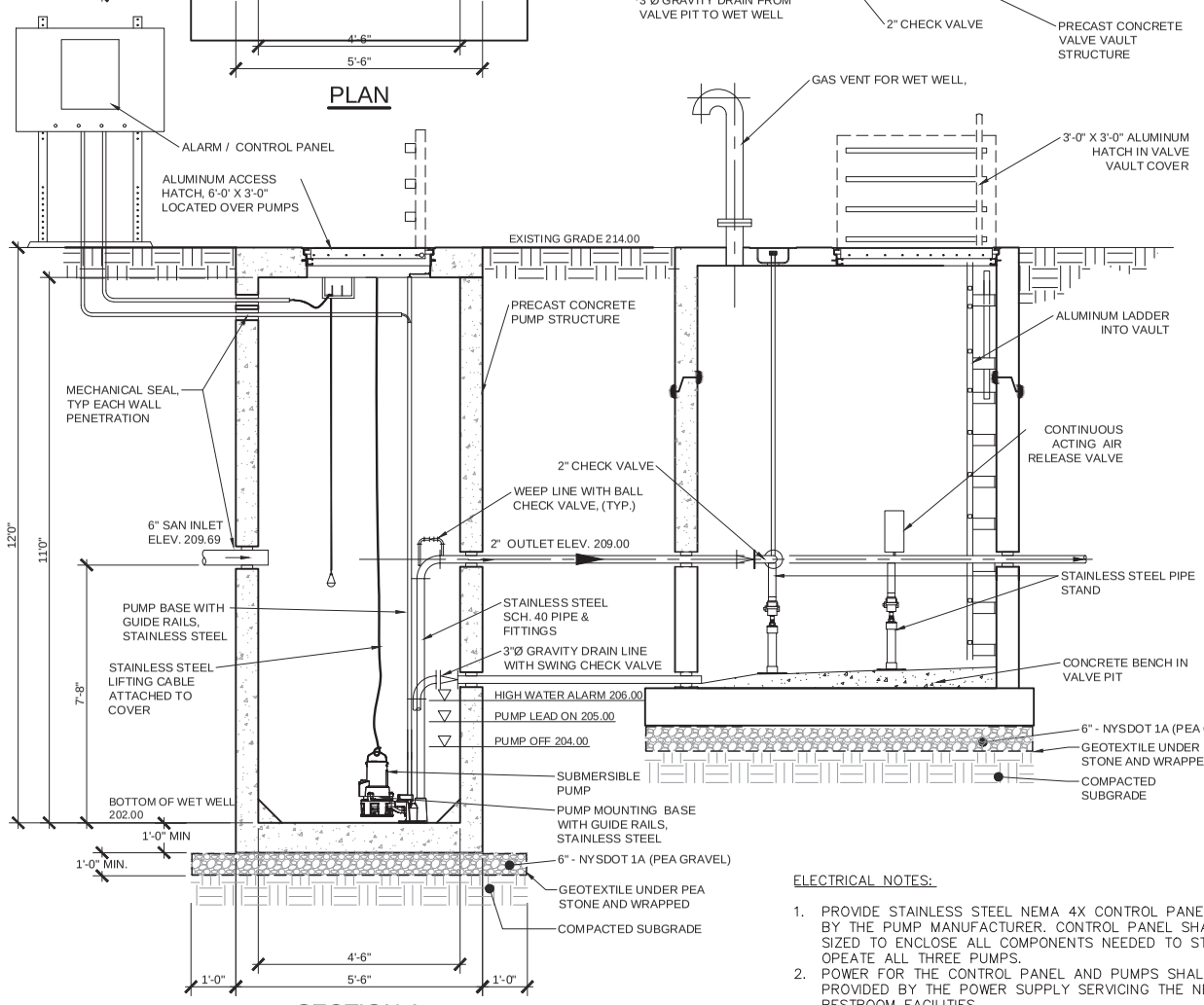
SHEET NO. 47 OF 62

SCALE: AS NOTED
DATE: 01/10/2023

DPW FILE NO.	REV. NO.
91-01-G-65-0	-



PLAN



SECTION A

DOSING PUMP STATION PAYMENT ITEM: 664.01001WE

10 2000 GALLON DOSING PUMP STATION

Scale: NTS

ELECTRICAL NOTES:

1. PROVIDE STAINLESS STEEL NEMA 4X CONTROL PANEL SUPPLIED BY THE PUMP MANUFACTURER. CONTROL PANEL SHALL BE SIZED TO ENCLOSE ALL COMPONENTS NEEDED TO START AND OPEATE ALL THREE PUMPS.
2. POWER FOR THE CONTROL PANEL AND PUMPS SHALL BE PROVIDED BY THE POWER SUPPLY SERVICING THE NEW RESTROOM FACILITIES.
3. PROVIDE MOUNTING STAND OR WALL MOUNTED BRACKETS AS PER THE DETAILS.

PEA GRAVEL PAYMENT ITEM: 623.12100001

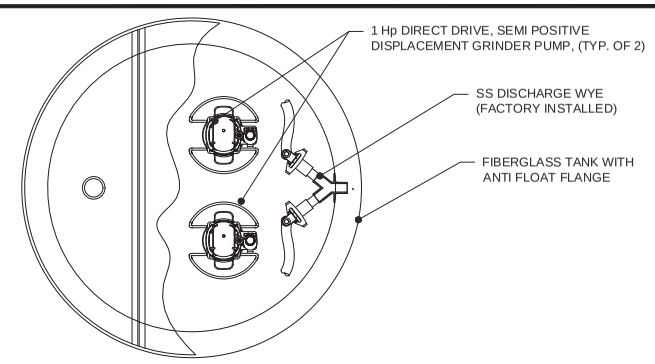
GEOTEXTILE PAYMENT ITEM: 207.210000000

EXCAVATION PAYMENT ITEM: 206.02010000

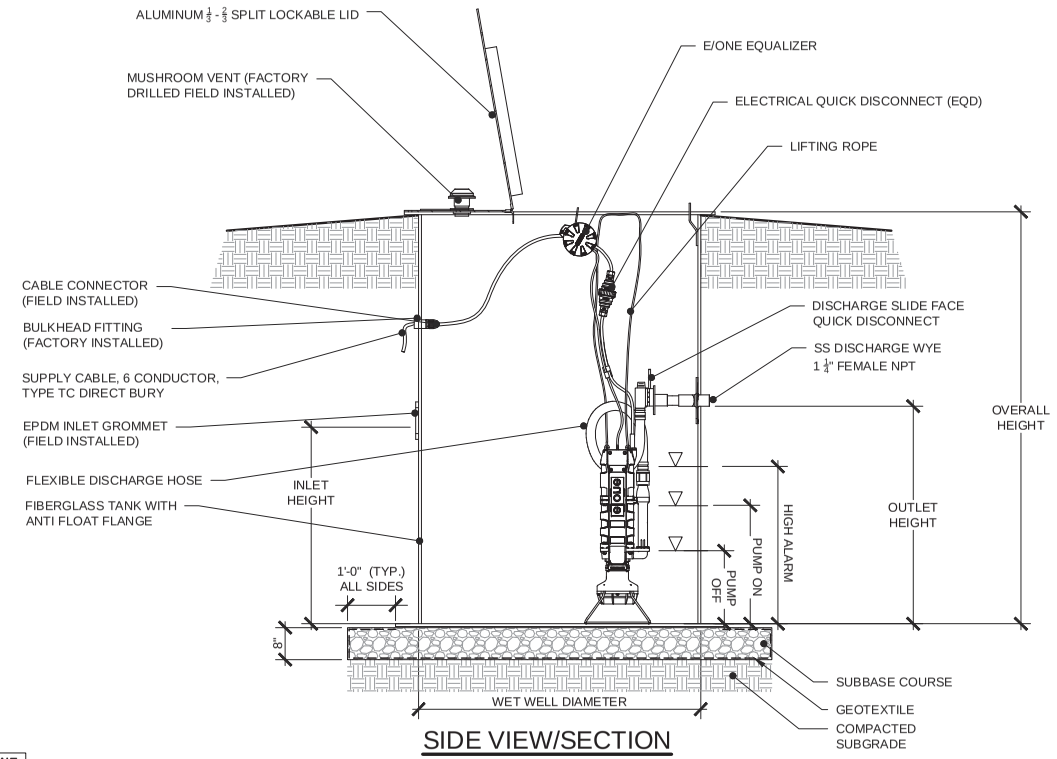
BACKFILL PAYMENT ITEM: 203.07000000

DOSING PUMP STATION VALVE CHART

STATUS	VALVE A	VALVE B	VALVE C	VALVE D
PUMP 01 & 02 RUNNING, PUMP 03 OFF	OPEN	CLOSED	CLOSED	OPEN
PUMP 01 & 03 RUNNING, PUMP 02 OFF	OPEN	CLOSED	OPEN	CLOSED
PUMP 02 & 03 RUNNING, PUMP 01 OFF	CLOSED	OPEN	CLOSED	OPEN



PLAN VIEW



SIDE VIEW/SECTION

INDIVIDUAL PUMP STATION DETIALS:

MAINTENANCE FACILITY: PAYMENT ITEM: 664.01002WE

W SERIES - DUPLEX PUMP STATION WITH 48" Ø FIBERGLASS WET WELL, 120" MINIMUM HEIGHT, EONE T260 DUPLEX ALTERNATING CONTROL / ALARM PANEL

WHITE HOUSE / MUSEUM: PAYMENT ITEM: 664.01002WE

W SERIES - DUPLEX PUMP STATION WITH 60" Ø FIBERGLASS WET WELL, 120" MINIMUM HEIGHT, EONE T260 DUPLEX ALTERNATING CONTROL / ALARM PANEL

11 GRINDER PUMP STATION

Scale: NTS

PEA GRAVEL PAYMENT ITEM: 623.12100001

GEOTEXTILE PAYMENT ITEM: 207.210000000

EXCAVATION PAYMENT ITEM: 206.02010000

BACKFILL PAYMENT ITEM: 203.07000000

PUMP STATION SIZING SUMMARY TABLE

LOCATION	WET WELL SIZE	OVERALL HEIGHT	OUTLET HEIGHT	INLET HEIGHT	PUMP OFF	PUMP ON	HIGH ALARM	STORAGE CAPACITY ABOVE HIGH ALARM	DOSE VOLUME OR PUMP VOLUME
WHITE HOUSE / MUSEUM	60" Ø	120"	40"	79"	13"	44"	48"	379 GALLONS	379 GALLONS
MAINTENANCE FACILITY	48" Ø	84"	36"	64"	13"	23"	35"	227 GALLONS	78 GALLONS
2000 GALLON MAIN PUMP STATION	4'-6" X 10'-6"	144"	84"	92"	24"	36"	48"	1,296 GALLONS	353 GALLONS

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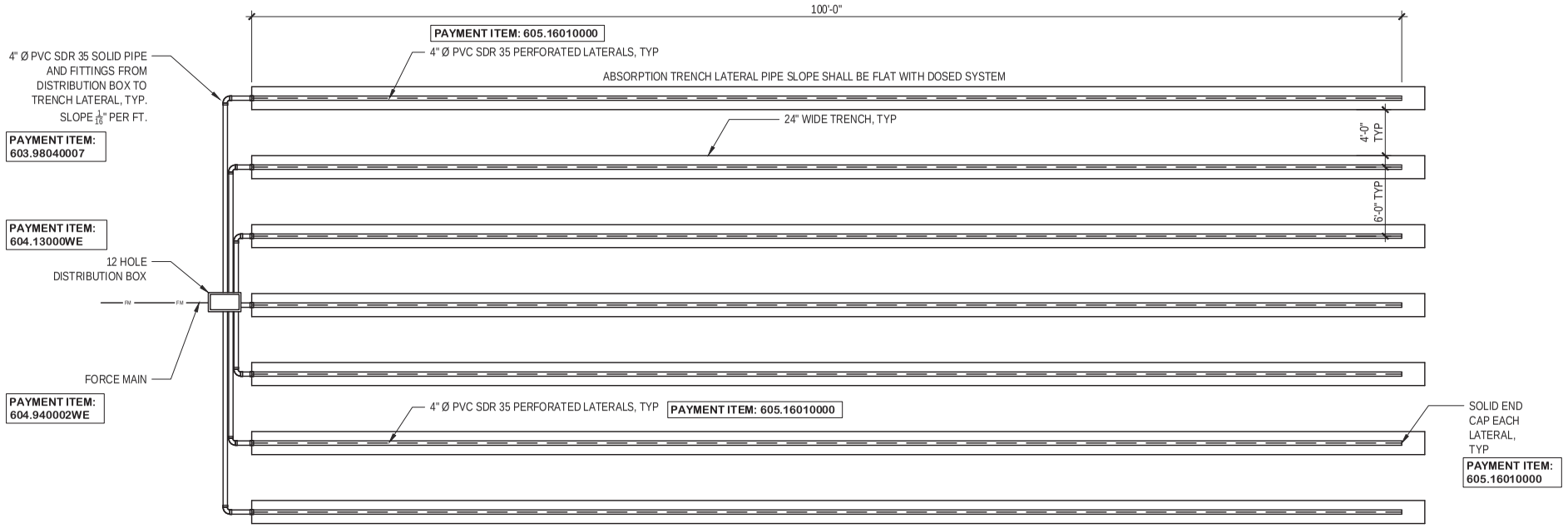
PUMP STATION DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	WW-11

SHEET NO. 48 OF 62

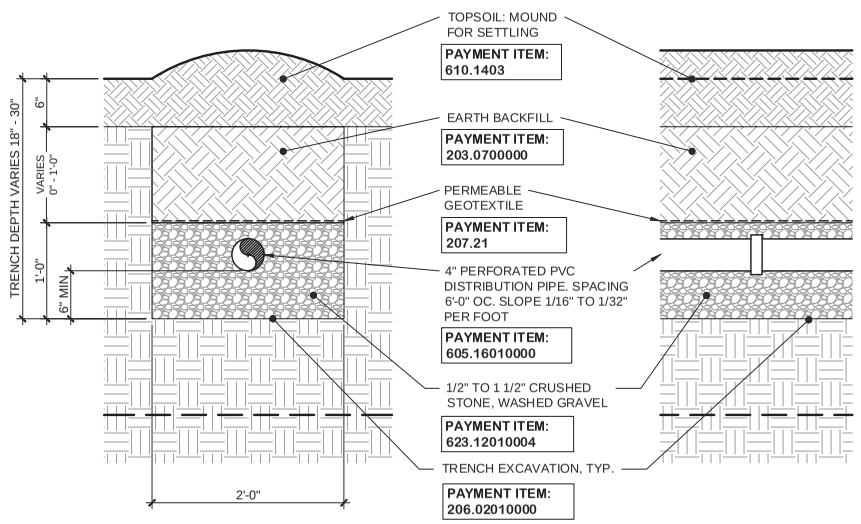
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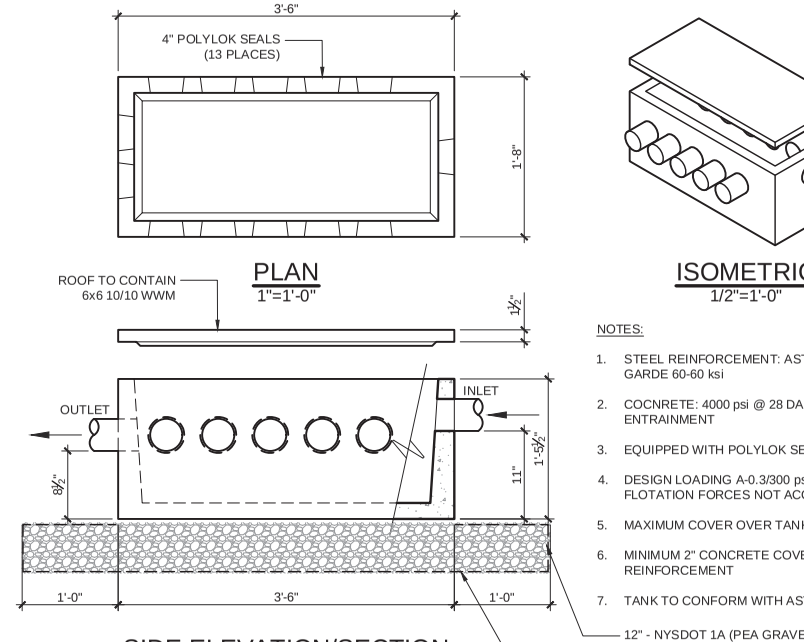


12 ABSORPTION FIELD LAYOUT

Scale: NTS



CROSS SECTION



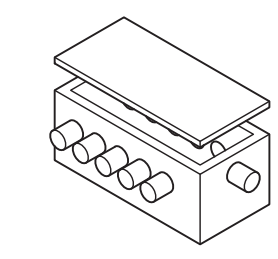
LONGITUDINAL SECTION

NOTES:

1. DO NOT INSTALL TRENCHES IN WET SOIL
2. RAKE SIDES AND BOTTOM OF TRENCH PRIOR TO PLACING GRAVEL
3. ENDS OF ALL DISTRIBUTION PIPES SHALL BE CAPPED
4. TRENCH BOTTOM SHALL BE LEVEL

14 ABSORPTION TRENCH

Scale: NTS



ISOMETRIC
1/2"=1'-0"

NOTES:

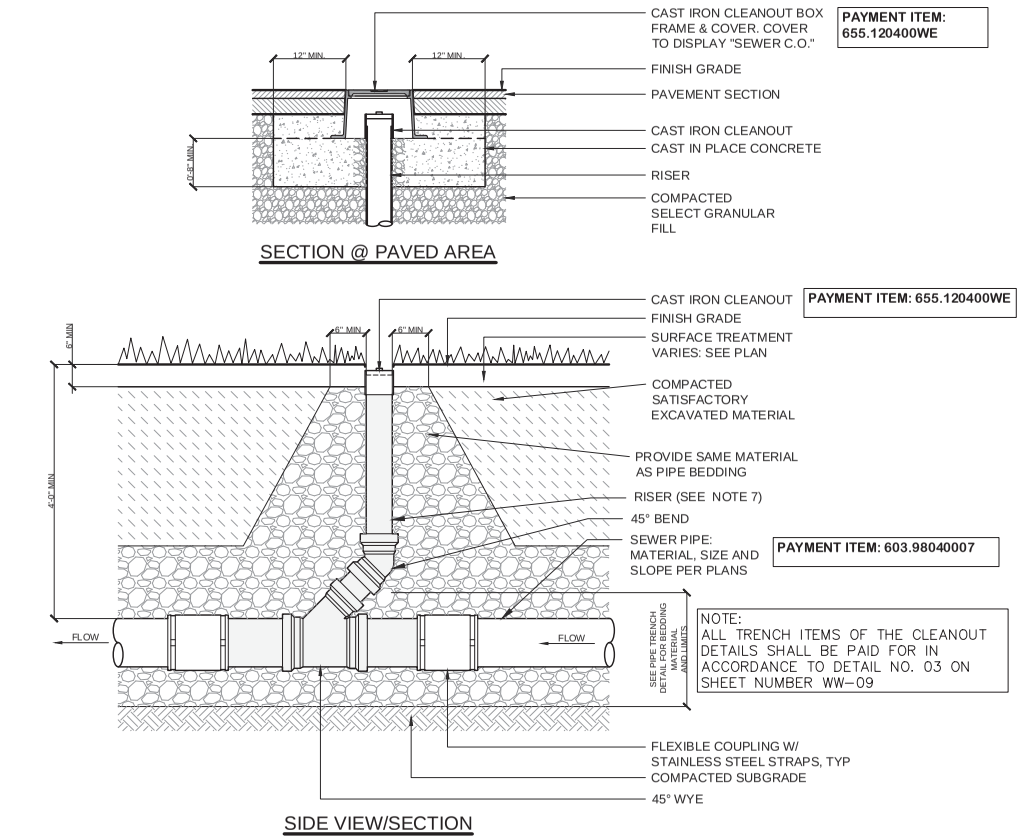
1. STEEL REINFORCEMENT: ASTM A 496-A 615 GARDE 60-60 ksi
2. COCNRETE: 4000 psi @ 28 DAYS, 5%-9% AIR ENTRAINMENT
3. EQUIPPED WITH POLYLOK SEALS
4. DESIGN LOADING A-0.3/300 psf - WALKWAYS, FLOTATION FORCES NOT ACCOUNTED FOR
5. MAXIMUM COVER OVER TANK: 3' OF EARTH FILL
6. MINIMUM 2" CONCRETE COVER OVER REINFORCEMENT
7. TANK TO CONFORM WITH ASTM C 1227

EXCAVATION PAYMENT ITEM: 206.02010000
BACKFILL PAYMENT ITEM: 203.07000000
PEA GRAVEL PAYMENT ITEM: 623.12100001
GEOTEXTILE PAYMENT ITEM: 207.210000000

PAYMENT ITEM: 604.13000WE

15 12 HOLE DISTRIBUTION BOX

Scale: NTS

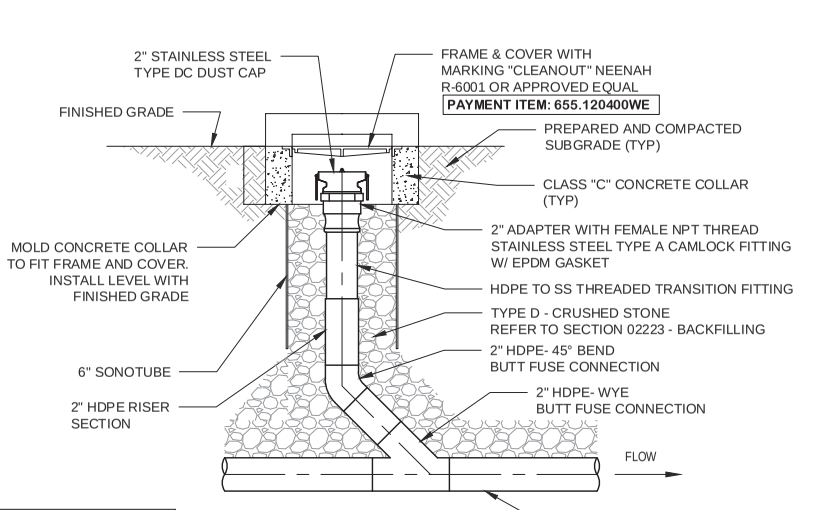


SECTION @ PAVED AREA

SIDE VIEW/SECTION

13 STORM / SANITARY CLEANOUT

Scale: NTS



PAYMENT ITEM: 603.940001WE
PAYMENT ITEM: 603.940002WE

16 FORCE MAIN CLEANOUT

Scale: NTS

NOTE:
ALL TRENCH ITEMS OF THE CLEANOUT DETAILS SHALL BE PAID FOR IN ACCORDANCE TO DETAIL NO. 03 ON SHEET NUMBER WW–09

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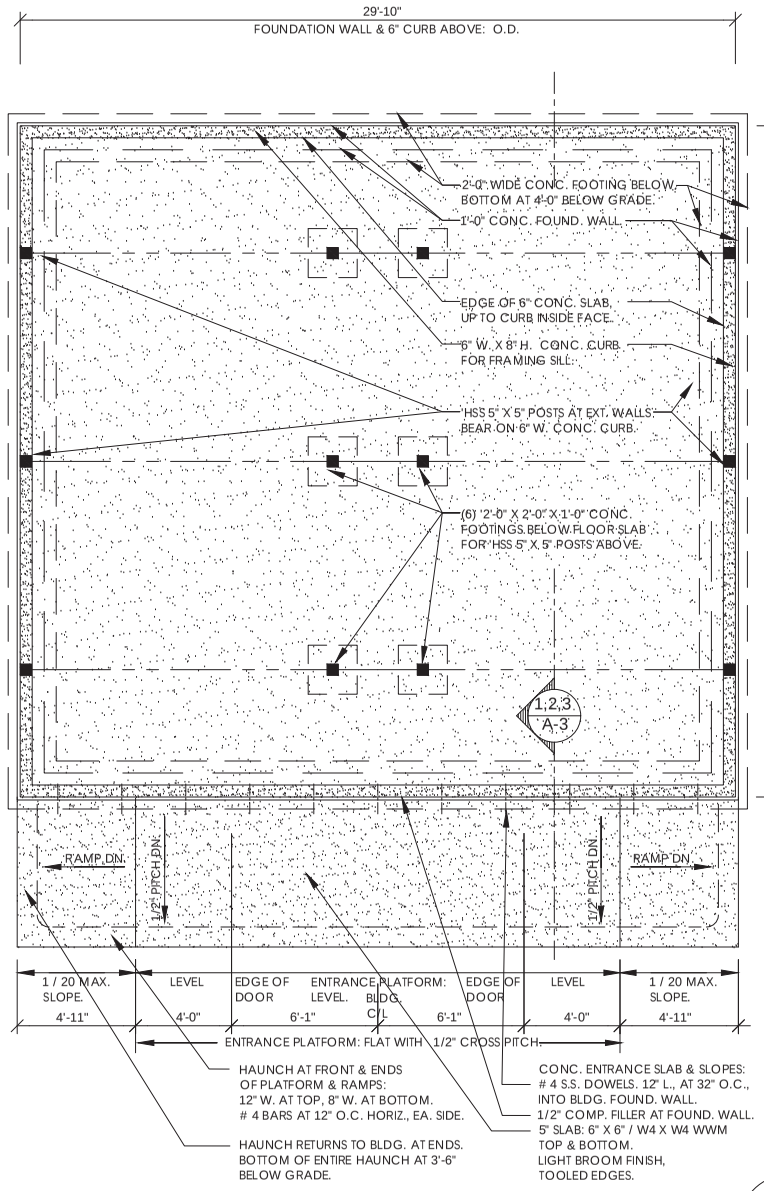
PROJECT COORDINATOR
NAME _____
SIGNATURE _____
TITLE _____ DATE _____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

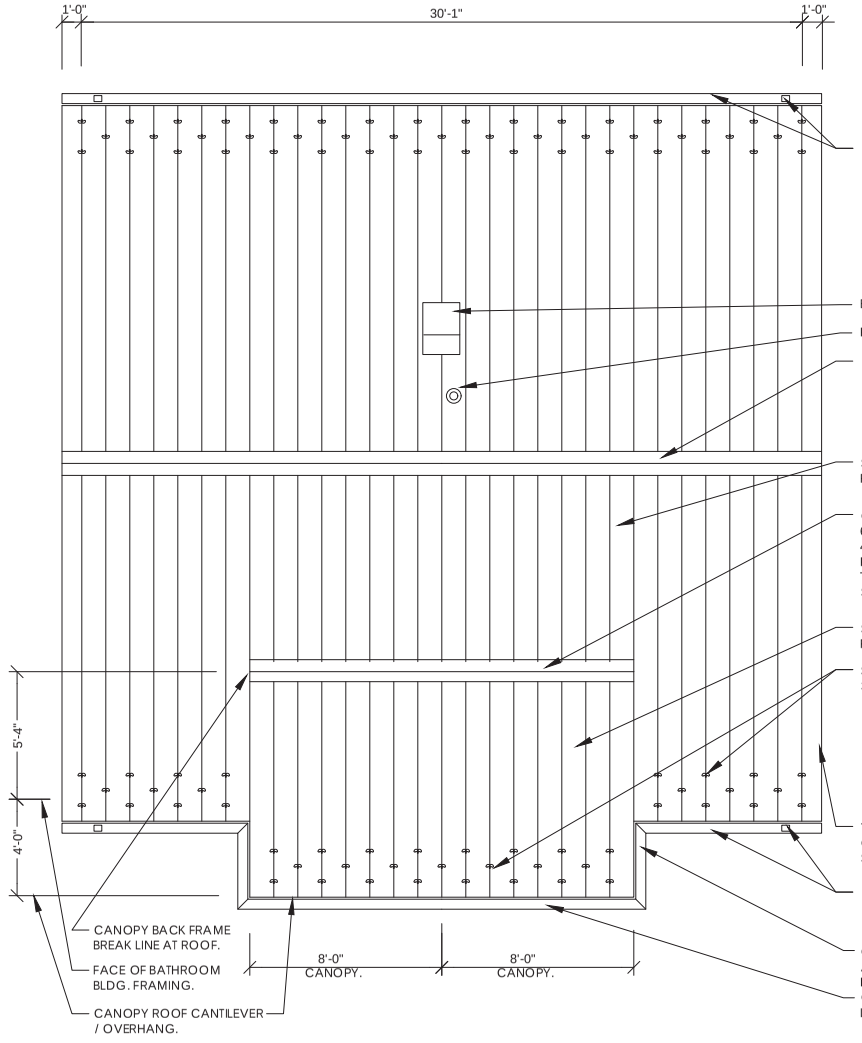
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

SITE DETAILS

CONTRACT NUMBER 20-536
SHEET NUMBER WW-12
SHEET NO. 49 OF 62
SCALE: AS NOTED
DATE: 01/10/2023
DPW FILE NO. 91-01-G-67-0
REV. NO. -



3 FOUNDATION PLAN
1/4" = 1'-0"

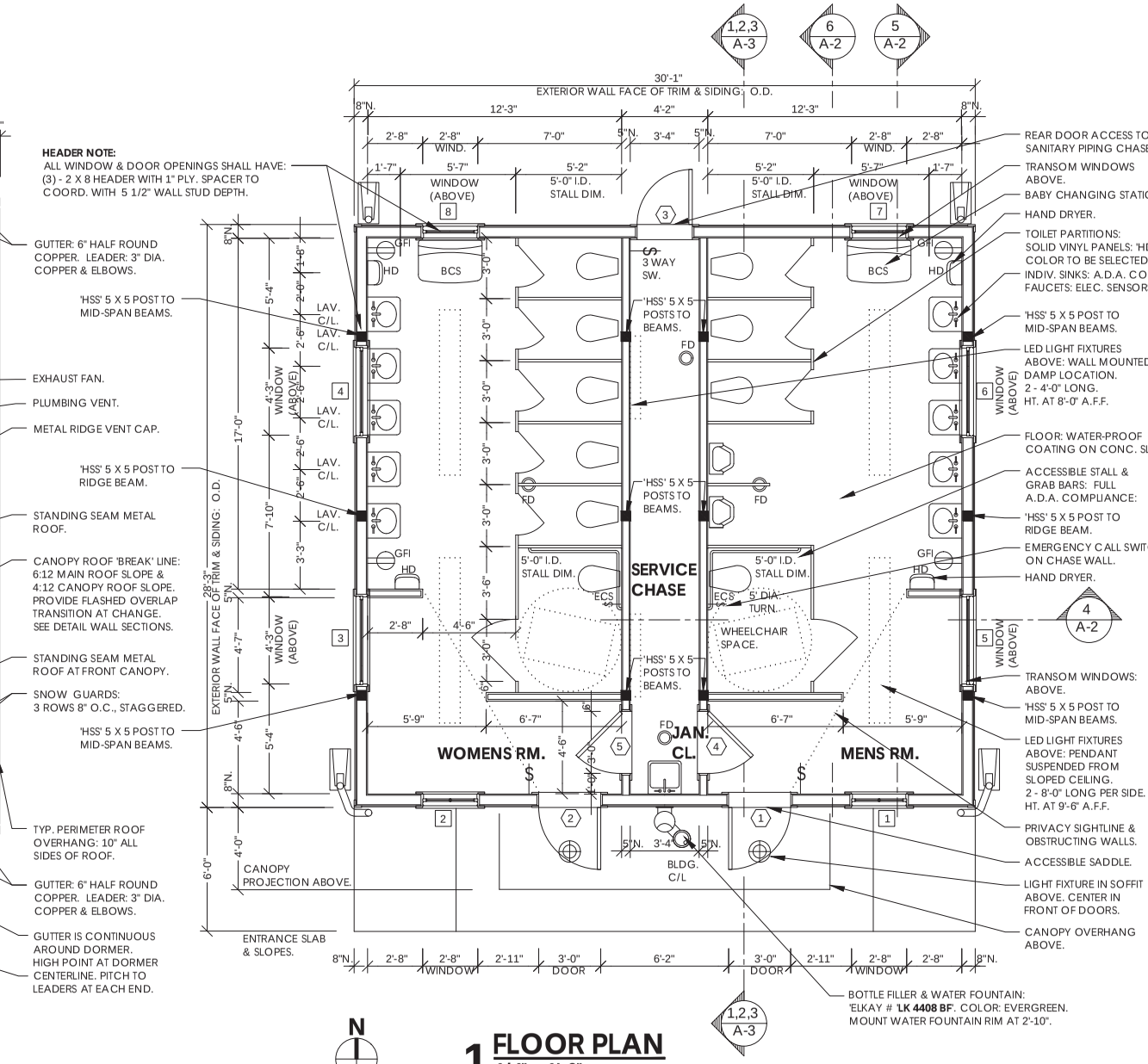


2 ROOF PLAN
1/4" = 1'-0"

GEO-TECHNICAL NOTE:
UPON EXCAVATION TO BOTTOM OF FOOTING & SUBSTRATE: GEO-TECHNICAL ENGINEER SHALL INVESTIGATE ACTUAL SOIL CONDITIONS AT FOOTINGS PRIOR TO PLACING SUBSTRATE & POURING CONC. FOOTINGS.

A.D.A. GRAB BAR POSITIONS.

5 STALL ELEVATIONS
1/4" = 1'-0"



1 FLOOR PLAN
1/4" = 1'-0"

N

HEADER NOTE:
ALL WINDOW & DOOR OPENINGS SHALL HAVE: (3) - 2 X 8 HEADER WITH 1" PLY. SPACER TO COORD. WITH 5 1/2" WALL STUD DEPTH.

ZONING REGULATIONS - TOWN OF SOMERS

SECTION: 48.11 BLOCK: 1 LOT: 2 ZONING DISTRICT: **R - 120**

ZONING ITEM:	REQUIRED:	EXISTING:	PROPOSED:
LOT AREA.	120,000 SF	120,000+	NO CHANGE
WIDTH AT FRONT LINE.	250'	2,000'	NO CHANGE
BUILDING COVERAGE.	5 %	0.2 %	NO CHANGE
SITE COVERAGE.	12 %	0.5 %	NO CHANGE
FRONT YARD.	50'	80'	NO CHANGE
1 SIDE YARD.	50'	60'	NO CHANGE
2 SIDE YARDS.	110'	900'	NO CHANGE
REAR YARD.	50'	2,200'	NO CHANGE
ACCESSORY USE - SIDE LOT LINE.	15'	16'	NO CHANGE
ACCESSORY USE - REAR LOT LINE.	15'	2,200'	NO CHANGE
MAX. HT. - STORIES.	2 1/2	2 1/2	NO CHANGE
MAX. HT. - ROOF MIDPOINT - MAX.	30'	30'	NO CHANGE
MAX. HT. - ROOF HIGHPOINT - MIN.	13'	40'	NO CHANGE
MIN. DWELLING LIVABLE AREA.	2,000 S.F.	3,200 S.F.	NO CHANGE
OFF-STREET PARKING & LOADING.	REQ'D.	123 SP.	NO CHANGE

CODE NOTES

TO THE BEST OF MY KNOWLEDGE, BELIEF & PERSONAL JUDGEMENT THIS PROJECT IS IN COMPLIANCE WITH THE 2020 NYS BUILDING CODE, THE 2020 NYS ENERGY CODE, & THE 2020 NYS STRETCH CODE.

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND SPEED (mph)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM: Weathering	Frost line depth	Termite	Climate Zone	Ice Barrier Underlayment Reqd	Flood hazard
30 PSF	SPECIAL WIND REGION 115	C	Severe	42"	M - H	4	YES	NO

NYS STRETCH CODE: TABLE 'R 402.1.2 - INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

CLIMATE ZONE	FENESTRATION U-FACTOR	SKYLIGHT U-FACTOR	GLAZED FENESTRATION SHGC	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE	BASEMENT WALL R-VALUE	SLAB R-VALUE & DEPTH	CRAWL SPACE WALL R-VALUE
4	0.27	0.50	0.40	49	21 INT.	15 / 20	30	15 / 19	10 / 4	15 / 19

C CODE NOTES

NOTE: WORK DESCRIBED ON THIS PAGE FOR: 'RESTROOM FACILITIES', IS INCLUDED IN: 'BID ITEM': '680.000000WE'

WINDOW	WINDOW SIZE ROUGH OPENING	WINDOW TYPE	GLASS	MUNTINS
1 SOUTH: FRONT WINDOWS	2'-8" w. x 4'-0" h.	SINGLE HUNG, LOCKED	OBSCURE GLASS	2 OVER 2 EA. SASH.
2 SOUTH: FRONT WINDOWS	2'-8" w. x 4'-0" h.	SINGLE HUNG, LOCKED	OBSCURE GLASS	2 OVER 2 EA. SASH.
3 WEST TRANSOM	4'-0" w. x 2'-0" h.	FIXED PICTURE WINDOW	CLEAR GLASS	(NONE)
4 WEST TRANSOM	4'-0" w. x 2'-0" h.	FIXED PICTURE WINDOW	CLEAR GLASS	(NONE)
5 EAST TRANSOM	4'-0" w. x 2'-0" h.	FIXED PICTURE WINDOW	CLEAR GLASS	(NONE)
6 EAST TRANSOM	4'-0" w. x 2'-0" h.	FIXED PICTURE WINDOW	CLEAR GLASS	(NONE)
7 NORTH: REAR WINDOWS	2'-8" w. x 2'-0" h.	AWNING	OBSCURE GLASS	(NONE)
8 NORTH: REAR WINDOWS	2'-8" w. x 2'-0" h.	AWNING	OBSCURE GLASS	(NONE)

4 WINDOW SCHEDULE
NO SCALE

WINDOW NOTES: WINDOWS SHALL BE: FIBERGLASS FRAME STRUCTURE.
EXTERIOR: FIBERGLASS, WHITE.
INTERIOR: LAMINATED WOOD FACING, PAINTED.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

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NAME
SIGNATURE
TITLE DATE

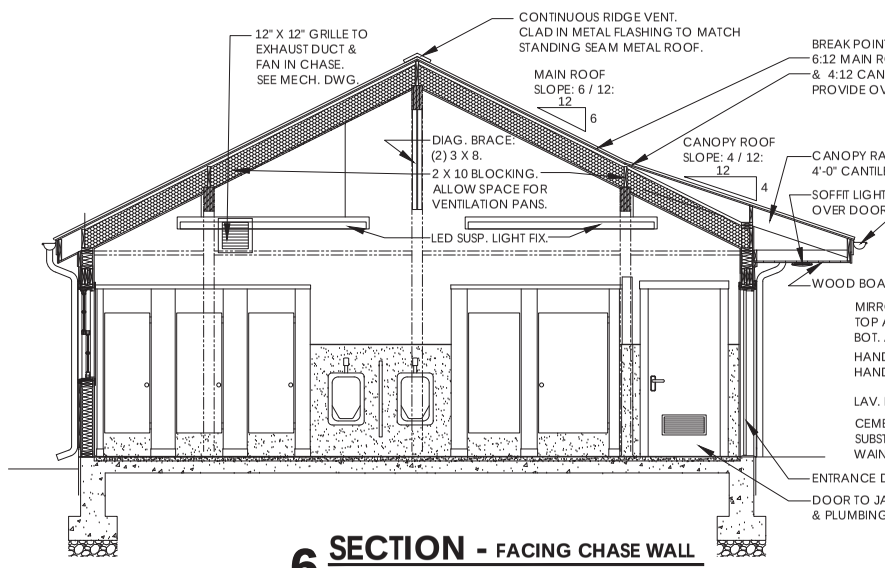
IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN LEVY RA

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

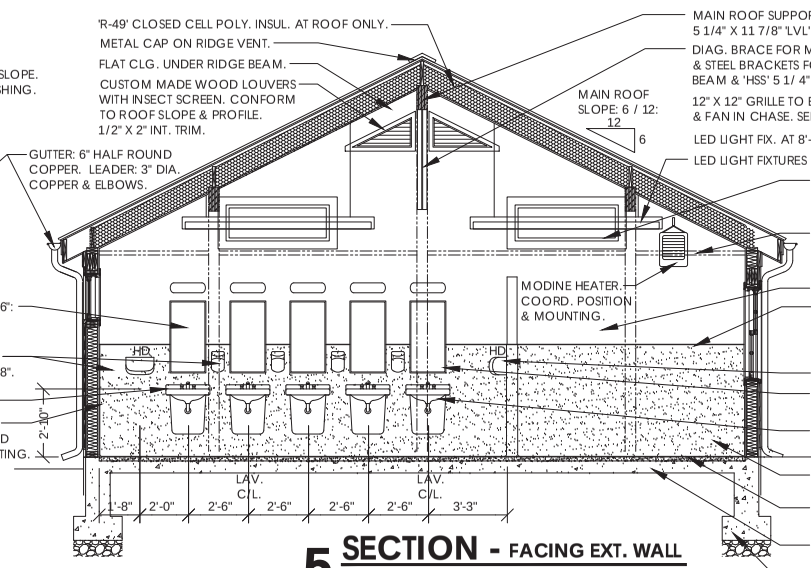
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

RESTROOM FACILITY -- FLOOR PLAN & ROOF PLAN

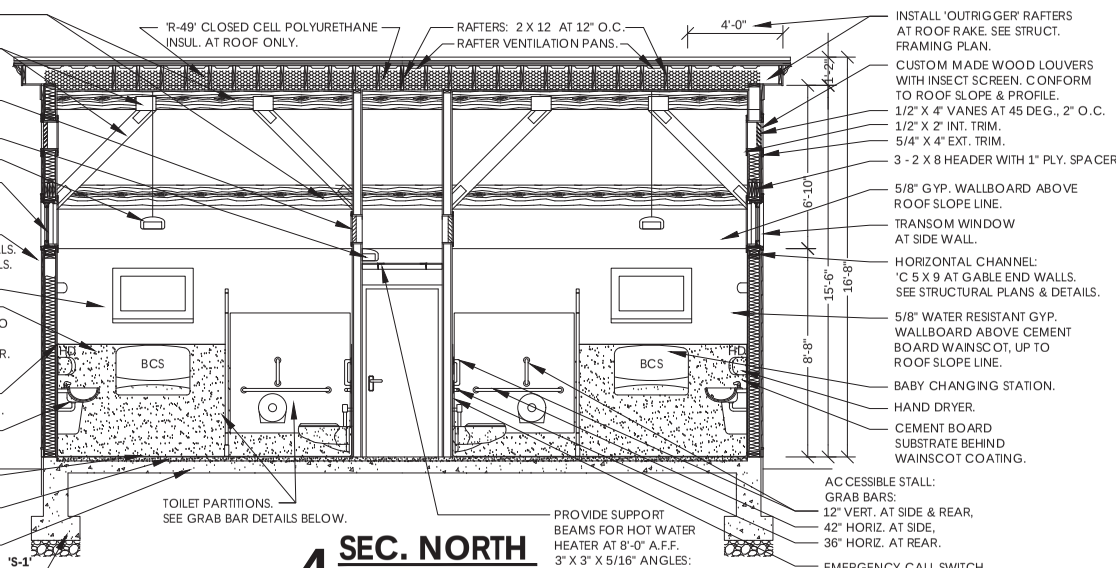
CONTRACT NUMBER 20-536
SHEET NUMBER A-1
SHEET NO. 50 OF 62
SCALE: 1/4" = 1'-0"
DATE: JAN. 10, 2023
DPW FILE NO. 91-01-A-68-0
REV. NO.



6 SECTION - FACING CHASE WALL
1/4" = 1'-0"

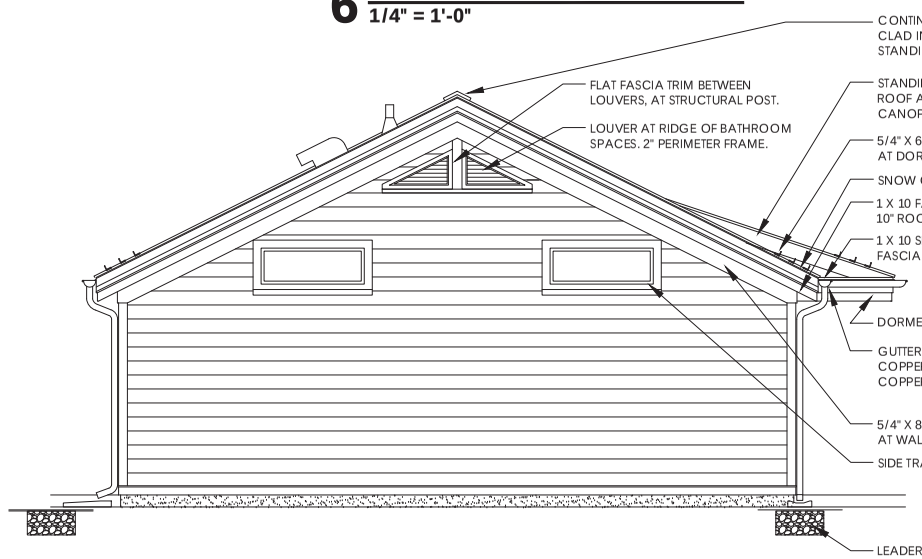


5 SECTION - FACING EXT. WALL
1/4" = 1'-0" EAST & WEST

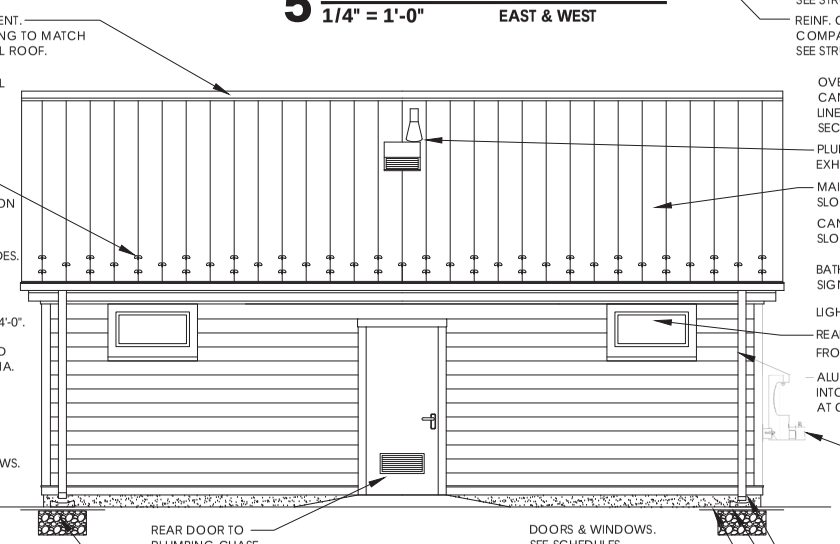


4 SEC. NORTH
1/4" = 1'-0"

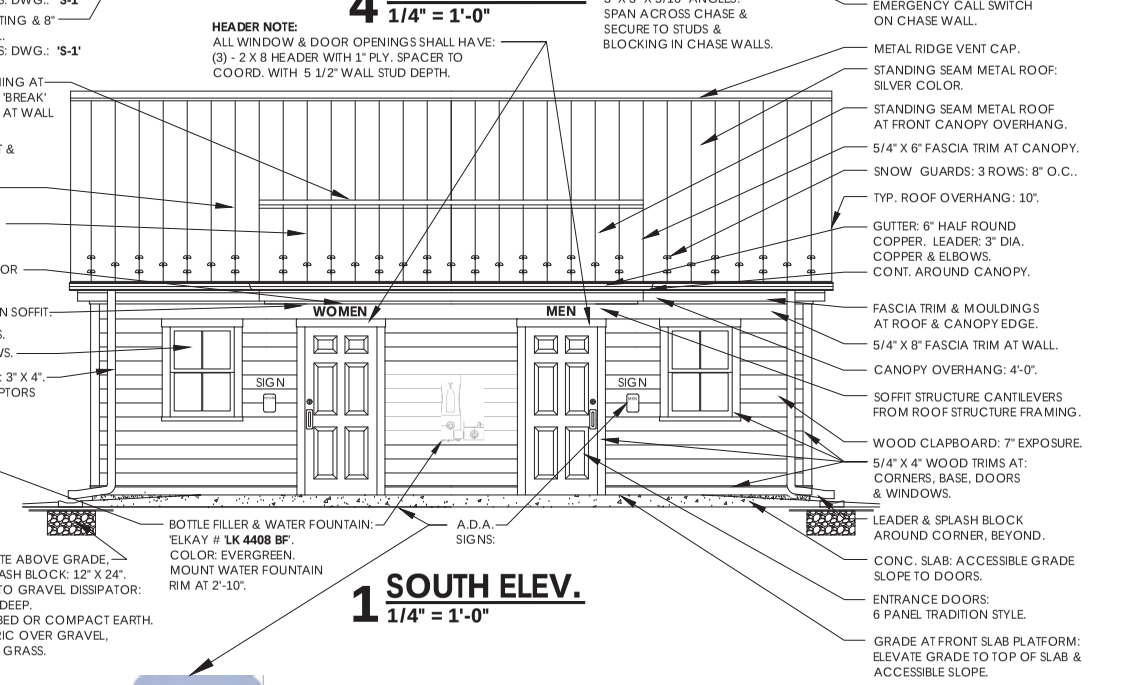
HEADER NOTE:
ALL WINDOW & DOOR OPENINGS SHALL HAVE: (3) - 2 X 8 HEADER WITH 1" PLY. SPACER TO COORD. WITH 5 1/2" WALL STUD DEPTH.



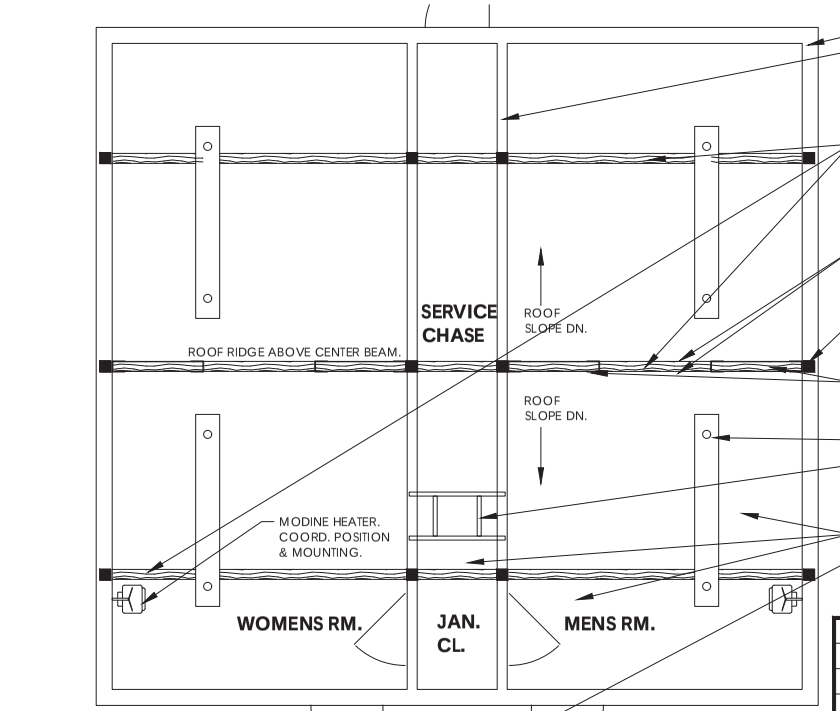
3 WEST ELEV.
1/4" = 1'-0" EAST ELEV. SYMMETRICAL



2 NORTH ELEV.
1/4" = 1'-0"



1 SOUTH ELEV.
1/4" = 1'-0"



7 CLG. PLAN
1/4" = 1'-0"

FINISH & PAINTING NOTES:

INTERIOR FINISHES:

FLOOR & WAINSCOT:	EPOXY RESIN COATING.
WALL ABOVE WAINS.:	PAINT: EGGSHELL FINISH.
CEILING:	PAINT: FLAT FINISH.
WOOD ROOF BEAMS:	SEMI-TRANSPARENT STAIN.
BEAM STEEL BRACKETS:	PAINT: SEMI GLOSS / LOW LUSTER.
DOORS & WINDOWS:	PAINT: SEMI GLOSS / LOW LUSTER.

EXTERIOR FINISHES:

ENTRANCE RAMP:	BARE CONC., BROOM FINISH, SEALED.
CLAPBOARD:	PAINT: EGGSHELL FINISH.
TRIMS & MOULDINGS:	PAINT: SEMI GLOSS / LOW LUSTER.
DOORS & WINDOWS:	PAINT: SEMI GLOSS / LOW LUSTER.

A.D.A. SIGNS:
STANDARD 6" X 9" SIGNS: 'MEN' & 'WOMEN' SYMBOLS & WORDS, WHEELCHAIR SYMBOLS, WHITE ON BLUE BACKGROUND, BRAILLE EMBOSSED BELOW.



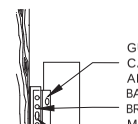
A. D. A. SIGNS

2'-6" L. **WOMEN** 8" H. 1'-6" L. **MEN**

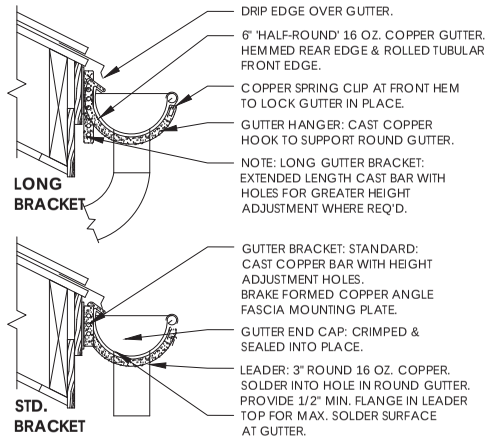
BATHROOM DOOR SIGNS:
GALV. 16 GA. STEEL BACK PLATE:
WOMEN: 8" H. X 30" L.:
MEN: 8" H. X 1'-6" L.
WHITE ENAMEL PAINT.
LETTERS: 5" HIGH: BLACK ENAMEL.
FONT: 'CENTURY GOTHIC'.

BATHROOM DOOR SIGNS

9 SIGNAGE



8 GUTTER DETAIL
1 1/2" = 1'-0"



NOTE: WORK DESCRIBED ON THIS PAGE FOR: 'RESTROOM FACILITIES', IS INCLUDED IN: 'BID ITEM': '680.000000WE'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

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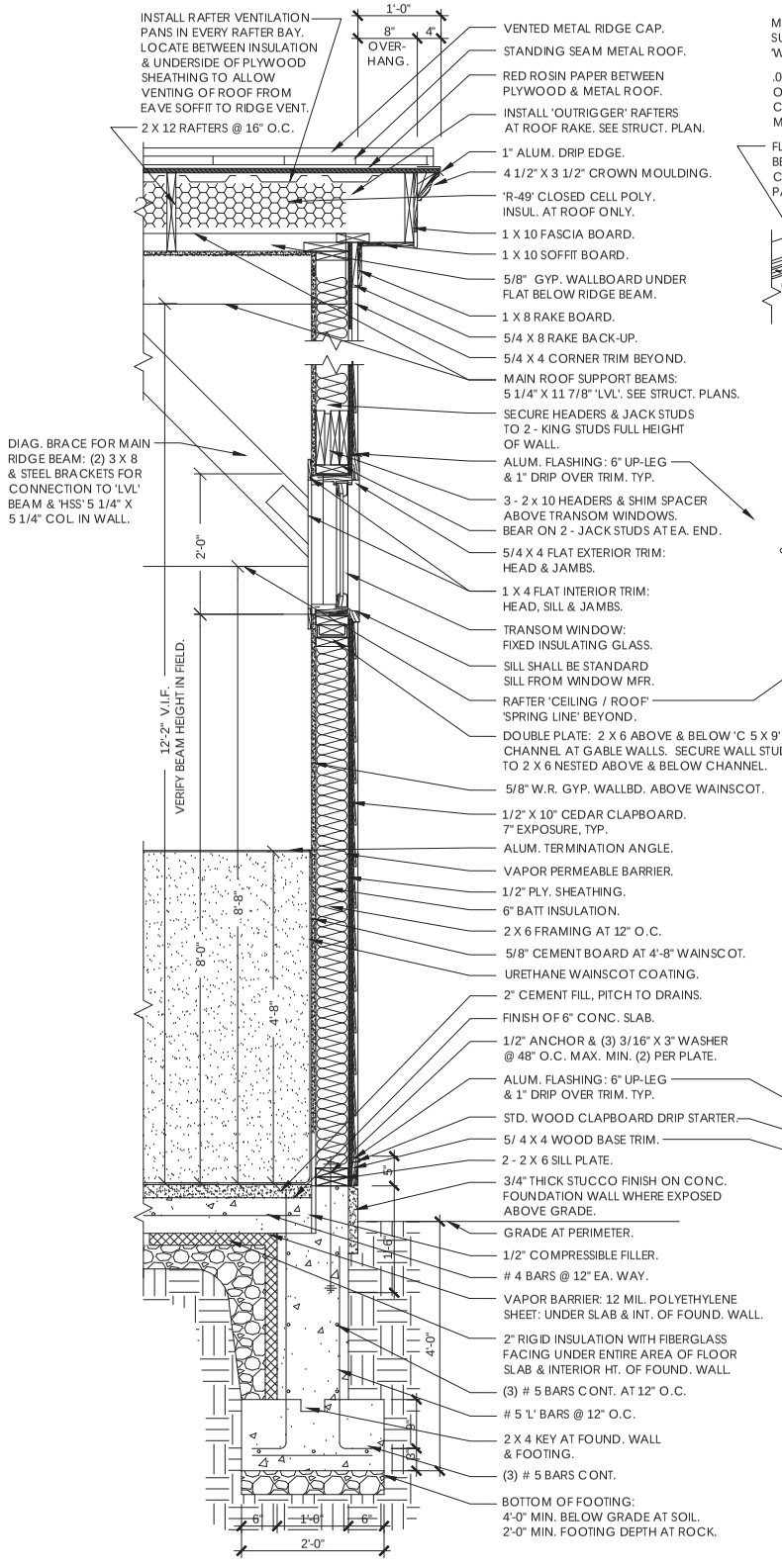
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PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
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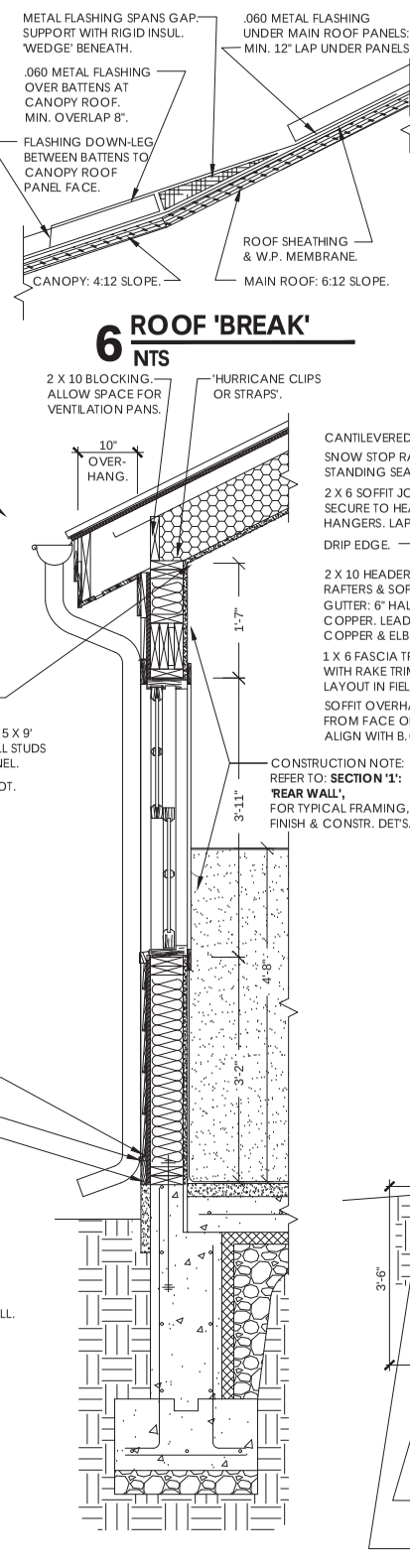
RESTROOM FACILITY – ELEVATIONS & SECTIONS

CONTRACT NUMBER 20-536
SHEET NUMBER A-2
SHEET NO. 51 OF 62
SCALE: 1/4" = 1'-0"
DATE: JAN. 10, 2023
DPW FILE NO. 91–01–A–69–0
REV. NO.



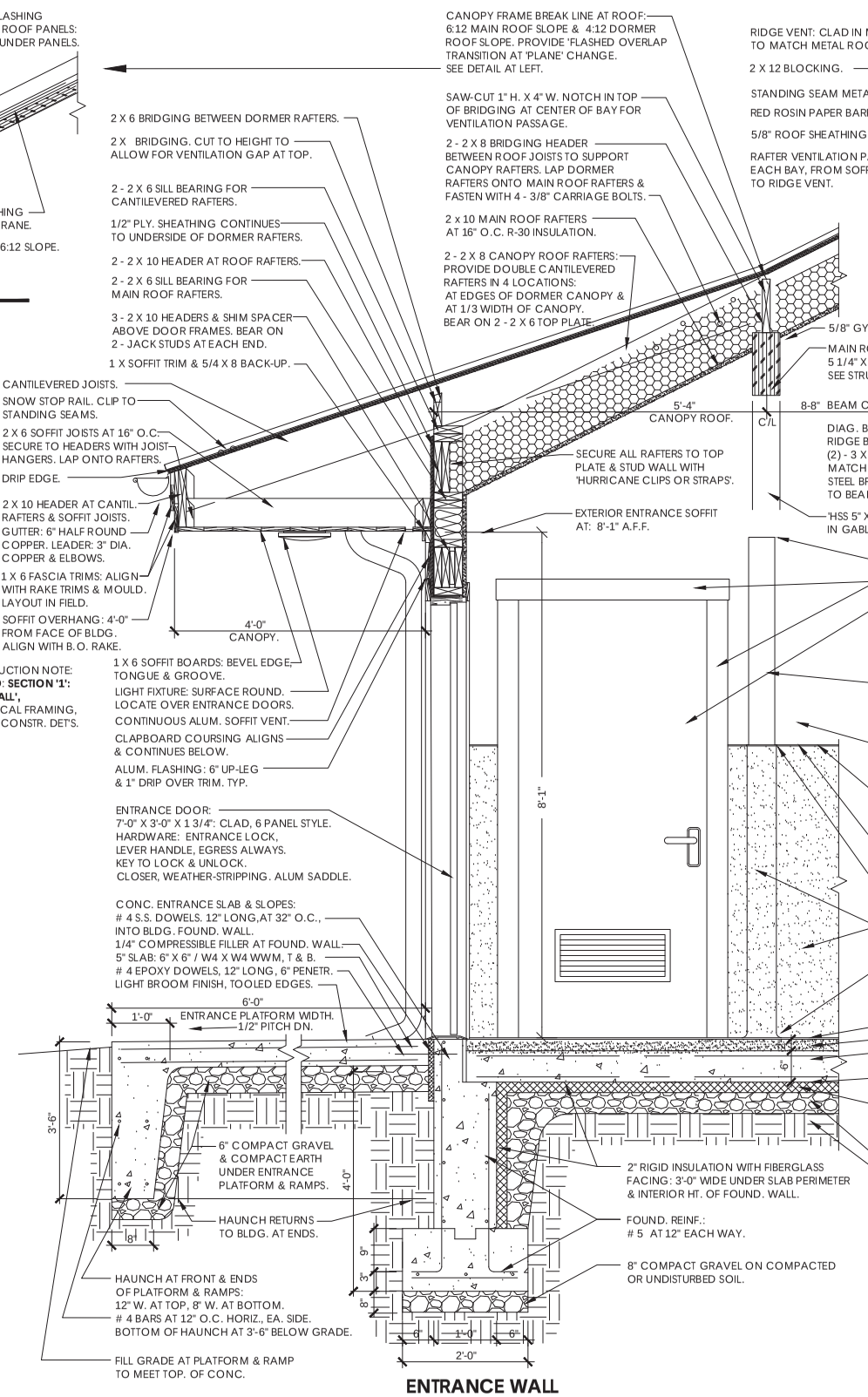
HIGH GABLE WALLS

4 WALL SECTION
3/4" = 1'-0"



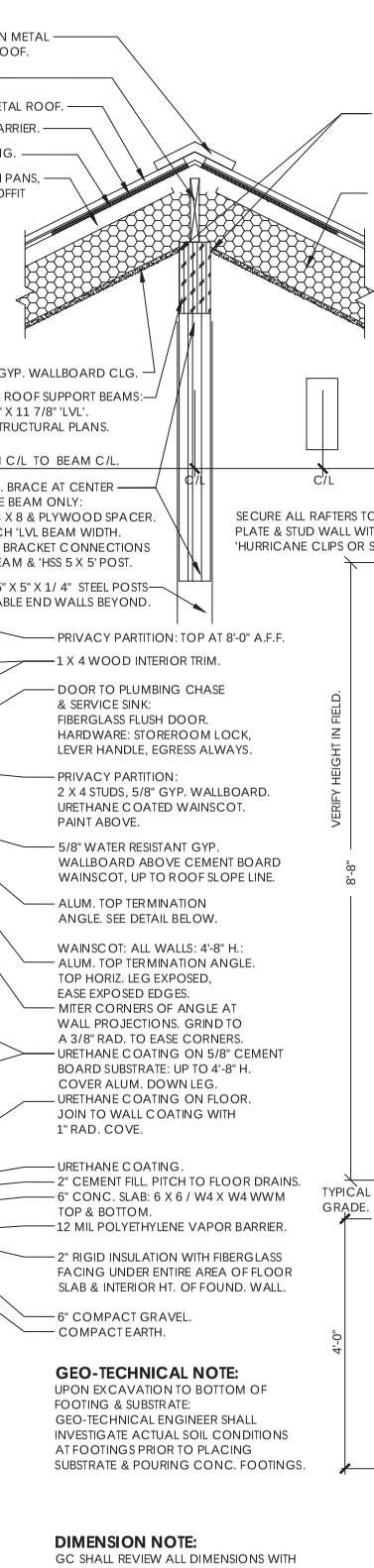
FRONT WINDOW

3 WALL SECTION
3/4" = 1'-0"



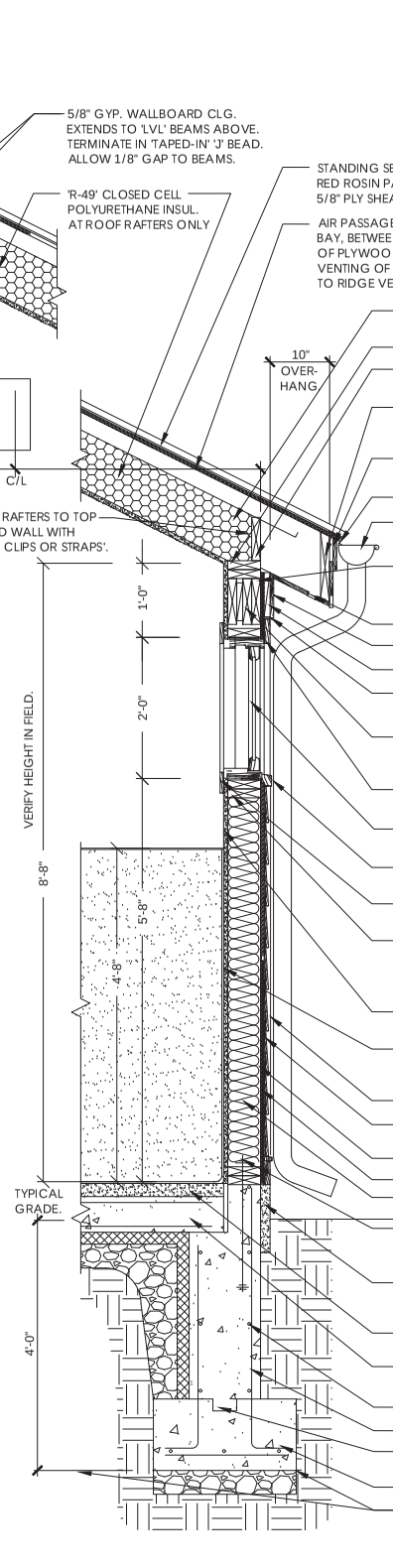
ENTRANCE WALL

2 WALL SECTION
3/4" = 1'-0"



HIGH GABLE WALLS

4 WALL SECTION
3/4" = 1'-0"



REAR WALL

1 WALL SECTION
3/4" = 1'-0"

NOTE: WORK DESCRIBED ON THIS PAGE FOR: 'RESTROOM FACILITIES', IS INCLUDED IN: 'BID ITEM': '680.000000WE'

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN LEVY RA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
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SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

NEW BATHROOM BLDG. -- WALL SECTIONS

CONTRACT NUMBER	SHEET NUMBER
20-536	A-3

SHEET NO. 52 OF 62
SCALE: 3/4" = 1'-0"
DATE: JAN. 10, 2023
DPW FILE NO. 91-01-A-70-0
REV. NO.

9 NAILING SCHEDULE

FLOOR CONSTRUCTION:

Built up girder/beam (3 plies or less):	10d common for 1.50" plies 2 horiz. rows 16d common for 1.75" plies 12" o.c. direct	
Floor joists to Sill or girder:	10d common	4 toe-nail
Rim/box joist to Joist end:	16d common	3 end direct
Bridging to joists:	8d common 10d common	3 toe-nail or 2 direct
Floor truss chord To sill or girder:	16d common	3 direct
Bond joist to Truss end:	10d common	3 direct
Edge floor truss Bottom chord to sill:	16d common	8" o.c. direct
Edge floor joist/ Truss to sill:	10d common	8" o.c. toe-nail
Floor sheathing	8d common 10" o.c. other	6" o.c. edges

ROOF & CEILING CONSTRUCTION:

Ceiling joist to plate:	16d common	4 toe-nail
Ceiling joists laps (over partition):	10d common	4 direct
Ceiling joists to rafter:	10d common	5 direct
Collar tie to rafter:	10d common	5 direct
Roof rafter to plate:	10d common	4 toe-nail
Roof rafter to ridge:	16d common 16d common	4 toe-nail or 3 end direct
Valley/hip rafter to ridge, header or trimmer:	16d common 16d common	2" o.c. toe-nail or 3" o.c. end direct
Jack rafter to hip:	10d common 16d common	3 toe-nail or 2 direct
Blocking between rafters to top plate:	10d common	2" o.c. toe-nail
Roof sheathing	8d common 10" o.c. other	6" o.c. edges

WALL CONSTRUCTION:

Stud to sole plate:	8d common 16d common	4 toe-nail or 2 end direct
Top plate to stud:	16d common	2 end direct
Double studs:	10d common	9" o.c. direct
Corner studs:	16d common	16" o.c. direct
Sole plate to joist or blocking:	16d common	8" o.c. direct
Blocking between joist to top plate:	10d common	2" o.c. toe-nail
rim/box joist to top plate:	16d common	8" o.c. toe-nail
Double cap plate:	16d common	16" o.c. direct
Double cap plate laps at end joints (24" min. Offset):	16d common	8 direct
Double cap plate laps at corners and intersections:	16d common	2 direct
Header end to trimmer:	8d common 10d common	2" o.c. toe-nail or 3" o.c. direct
APA rated sheathing:	8d common 8" o.c. other	4" o.c. at edges
Gypsum sheathing:	galv. 11 ga x 1.75" w/ 7/16" head/ bearing points diamond	4" o.c. along all

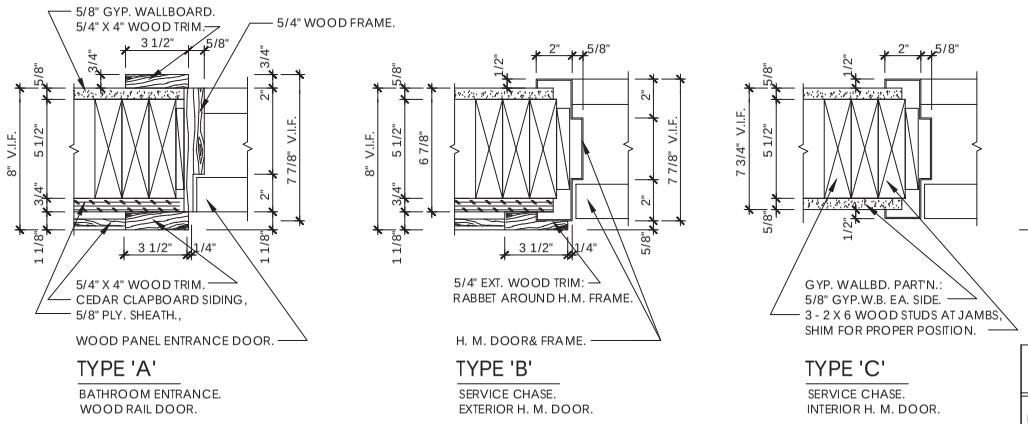
SUPPLEMENTAL NOTES:

2 Nails and spikes shall conform to the nominal sizes specified in Federal Specifications FF-N-105B and as noted below:

Penny-weight					
Type	8d	10d	12d	16d	20d
Common Shank diameter	0.131"	0.148"		0.148"	0.162"/0.192"
Length	2.50"	3.00"	3.25"	3.50"	4.00"
Head diameter	0.281"	0.312"		0.12"	0.344"/0.406"

Pneumatic or electric powered hammers typically utilize lighter gage fasteners and normally require additional fasteners to be installed. Fastener specifications must be submitted to the engineer for approval prior to installation if powered hammers are to be used.

3 Bolts shall conform to ASTM A 307 or ASTM A 36.
4 Lag and wood screws shall conform to ANSI/ASME standard B18.6.1 – 19.81.
5 All fasteners used in contact with preservative pressure treated wood shall be hot dipped galvanized in accordance with ASTM A 153 or stainless steel, Type 316. Do not mix stainless steel and galvanized fasteners and connectors.
6 Bored lead holes for fasteners shall be as follows:
a Nail and spike lead holes are not required unless to prevent splitting of wood. If required, lead hole diameter shall not exceed 75% of nail/spike diameter.
b Wood screws – lead hole diameter equals 7/8 of unthreaded shank diameter in connected wood part and 7/8 of diameter at root of thread in wood receiving thread.
c Lag screws – lead hole diameter equals shank diameter for extent of unthreaded shank, and 60% of shank diameter for threaded portion of shank.
d Thru bolts – lead hole diameter 1/32" to 1/16" larger than nominal bolt diameter.
7 Insert threaded screw type fasteners by turning with screwdriver or wrench. Do not drive by hammering. Facilitate installation by placing soap or other lubricant on threads.
8 Provide standard round washers under the heads of all thru bolts and lag screws and under all nuts unless otherwise indicated on the plans. Tighten fasteners without crushing wood fibers under washers.

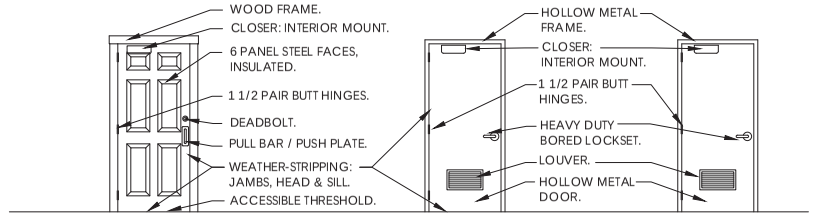


TYPE 'A'
BATHROOM ENTRANCE.
WOOD RAIL DOOR.

TYPE 'B'
SERVICE CHASE.
EXTERIOR H. M. DOOR.

TYPE 'C'
SERVICE CHASE.
INTERIOR H. M. DOOR.

3 FRAME DETAILS
1 1/2" = 1'-0"



3'-0" X 7'-0" DOOR
TYPE 'A'
BATHROOM ENTRANCE.
STEEL PANEL DOOR.

3'-0" X 7'-0" DOOR
TYPE 'B'
SERVICE CHASE.
EXTERIOR H. M. DOOR.

3'-0" X 7'-0" DOOR
TYPE 'C'
SERVICE CHASE.
INTERIOR H. M. DOOR.

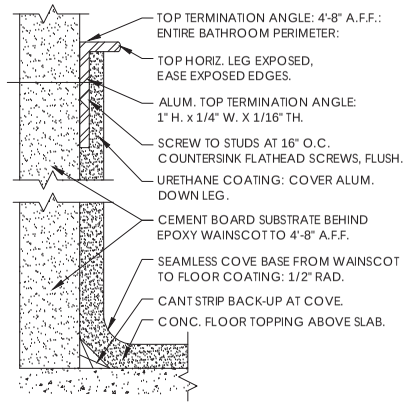
DOOR #	DOOR SIZE	DOORS MAT'L.	DOORS TYPE	DOORS LABEL	FRAMES MAT'L.	FRAMES TYPE	HARDWARE	REMARKS
1 MENS RM.	7'-0" x 3'-0" x 1 3/4"	CLAD W/ INSUL.	A		WOOD	A	H, DB, PB, T, W	DEADBOLT OPENED FOR DAY PASSAGE.
2 WOMENS RM.	7'-0" x 3'-0" x 1 3/4"	CLAD W/ INSUL.	A		WOOD	A	H, DB, PB, T, W	DEADBOLT OPENED FOR DAY PASSAGE.
3 CHASE EXTERIOR	7'-0" x 3'-0" x 1 3/4"	H.M. W/ INSUL.	B		H.M.	B	H, BL, T, W, L, K	
4 MENS CHASE	7'-0" x 3'-0" x 1 3/4"	H.M.	C		H.M.	B	H, BL, S, L, K	
5 WOMENS CHASE	7'-0" x 3'-0" x 1 3/4"	H.M.	C		H.M.	B	H, BL, S, L, K	

1 DOOR SCHEDULE
NO SCALE

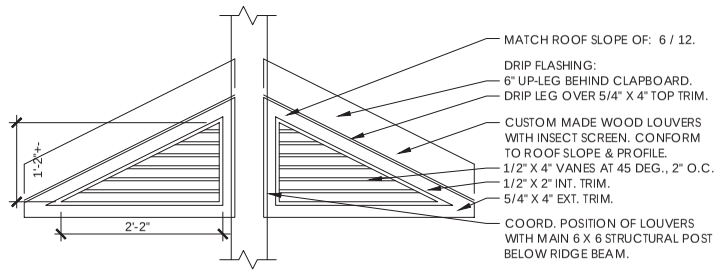
DIMENSIONS: VERIFY ALL FRAME & THROAT DIMENSIONS PRIOR TO FABRICATION.
EGRESS NOTE: ALL DOOR HARDWARE SHALL PROVIDE FREE ACCESS TO DIRECTION OF EGRESS ALWAYS.
HARDWARE: ALL HARDWARE SHALL BE HEAVY DUTY, SATIN CHROME FINISH, A.D.A. COMPLIANT.
KEYING: KEY ALL LOCKS IN ACCORDANCE WITH OWNERS MASTER KEYING SYSTEM.

'H' HINGES: 4 1/2" X 4 1/2" BALL BEARING.
'BL' BORED LOCKSET: STOREROOM FUNCTION.
'PB' PUSH / PULL BARS.
'T' THRESHOLD: 1/4" X 6" ALUM., A.D.A. COMPLIANT.
'S' SADDLE: 3/4" X 6" MARBLE, BEVEL EDGE.
'W' WEATHER-STRIPPING: BULB TYPE AT JAMBS, SWEEP AT SILL.
'L' LOUVER: 10" X 18", SIGHT-PROOF, INSECT SCREEN.
'K' KICKPLATE: 10" X 30": AT PLUMBING CHASE INTERIOR.

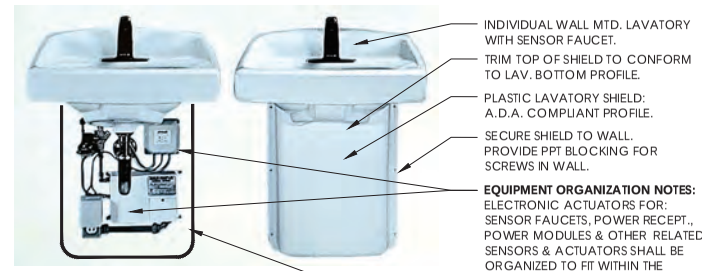
2 HARDWARE



7 WAINSCOT DETAIL
FULL SIZE

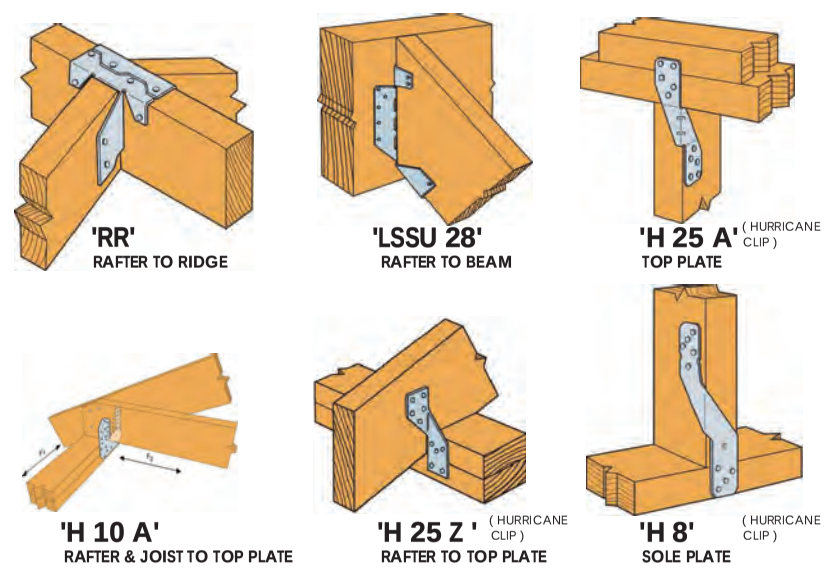


6 EXTERIOR LOUVERS
3/4" = 1'-0"



8 LAVATORY EQUIP.
NO SCALE

(HURRICANE CLIP)

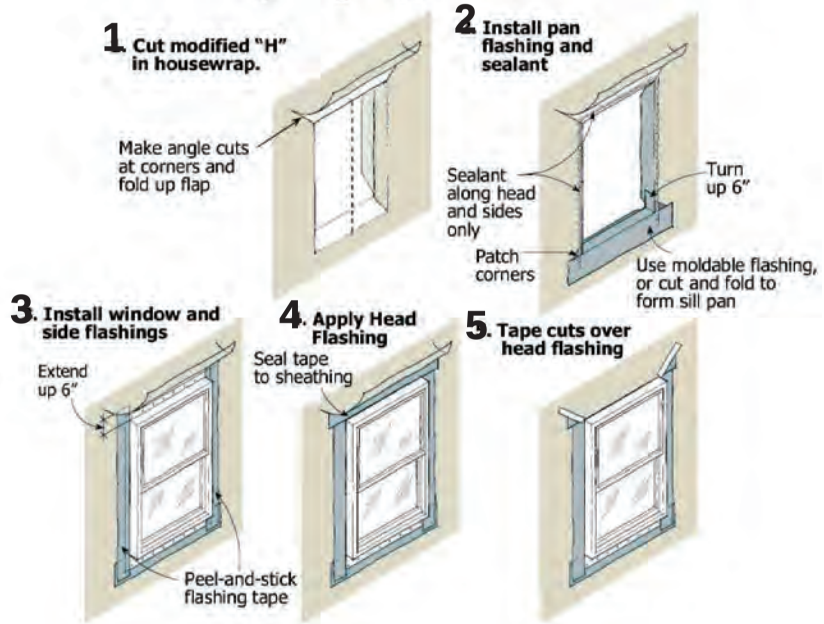


5 FRAMING CONNECTORS
NO SCALE

FRAMING CONNECTORS SHOWN ARE: **SIMPSON STRONG TIE**:

PROVIDE CONNECTORS SHOWN, OR APPROVED EQUAL.
FOLLOW MFR'S INSTALLATION & FASTENING INSTRUCTIONS.

Flashing Flange-Type Windows



4 WINDOW FLASHING DETAIL
NO SCALE

NOTE:
INSTALL FLASHING AROUND ALL WINDOWS AS SHOWN. INSTALL SIMILAR FLASHING AROUND DOORS.

NOTE: WORK DESCRIBED ON THIS PAGE FOR: 'RESTROOM FACILITIES', IS INCLUDED IN: 'BID ITEM': '680.000000WE'

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY ADAM KAPLINSKI RA
MADE BY JOHN LEVY RA

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

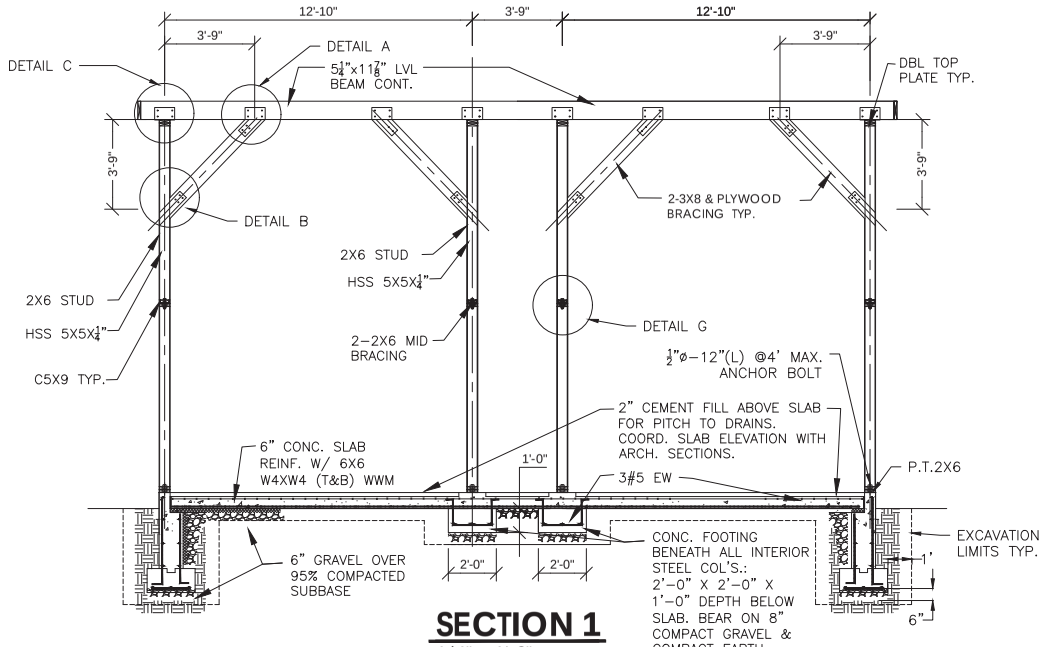
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

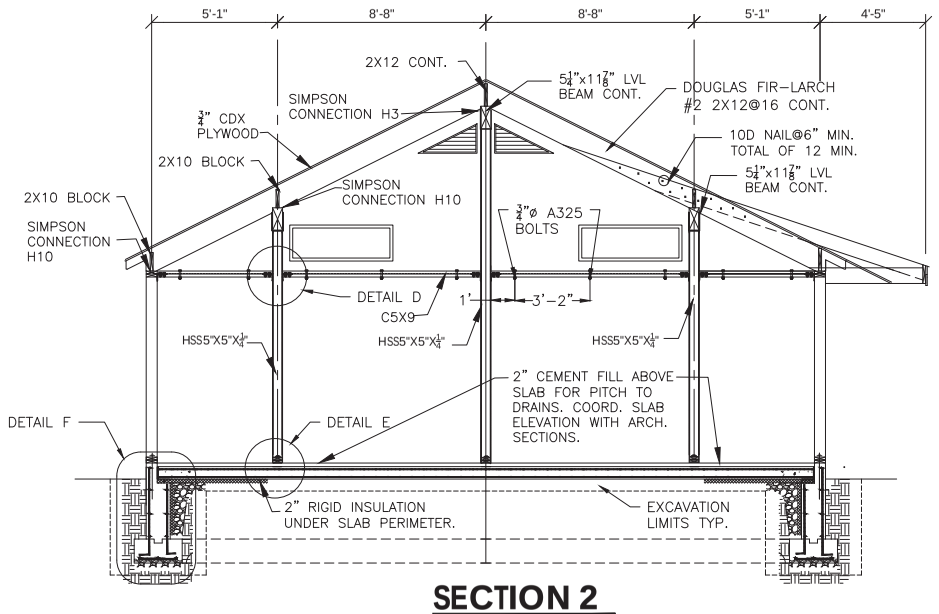
RESTROOM FACILITY -- SCHEDULES & DETAILS

CONTRACT NUMBER 20-536
SHEET NUMBER A-4
SHEET NO. 53 OF 62
SCALE: AS NOTED
DATE: JAN. 10, 2023
DPW FILE NO. 91-01-A-71-0
REV. NO.



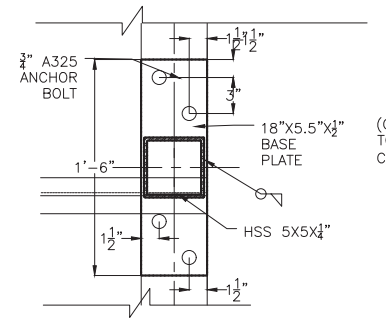
SECTION 1

1/4" = 1'-0"



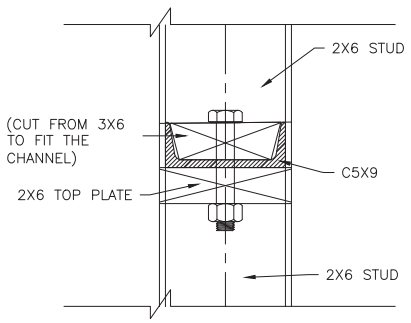
SECTION 2

1/4" = 1'-0"



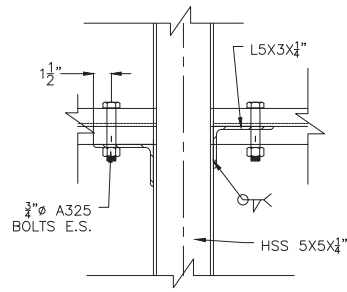
DETAIL E

N.T.S.



SECTION 3

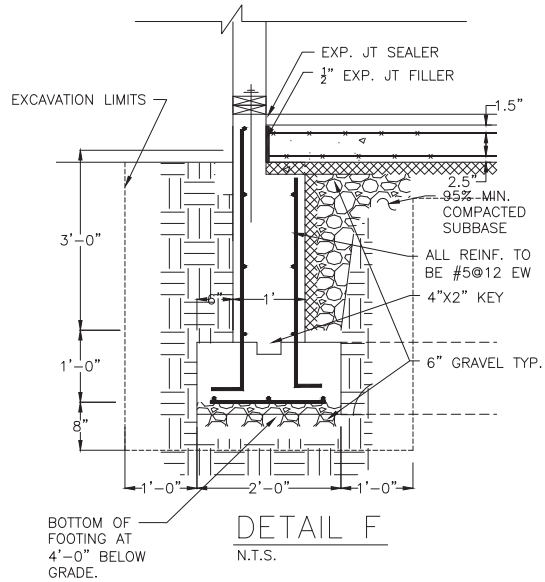
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DETAIL G

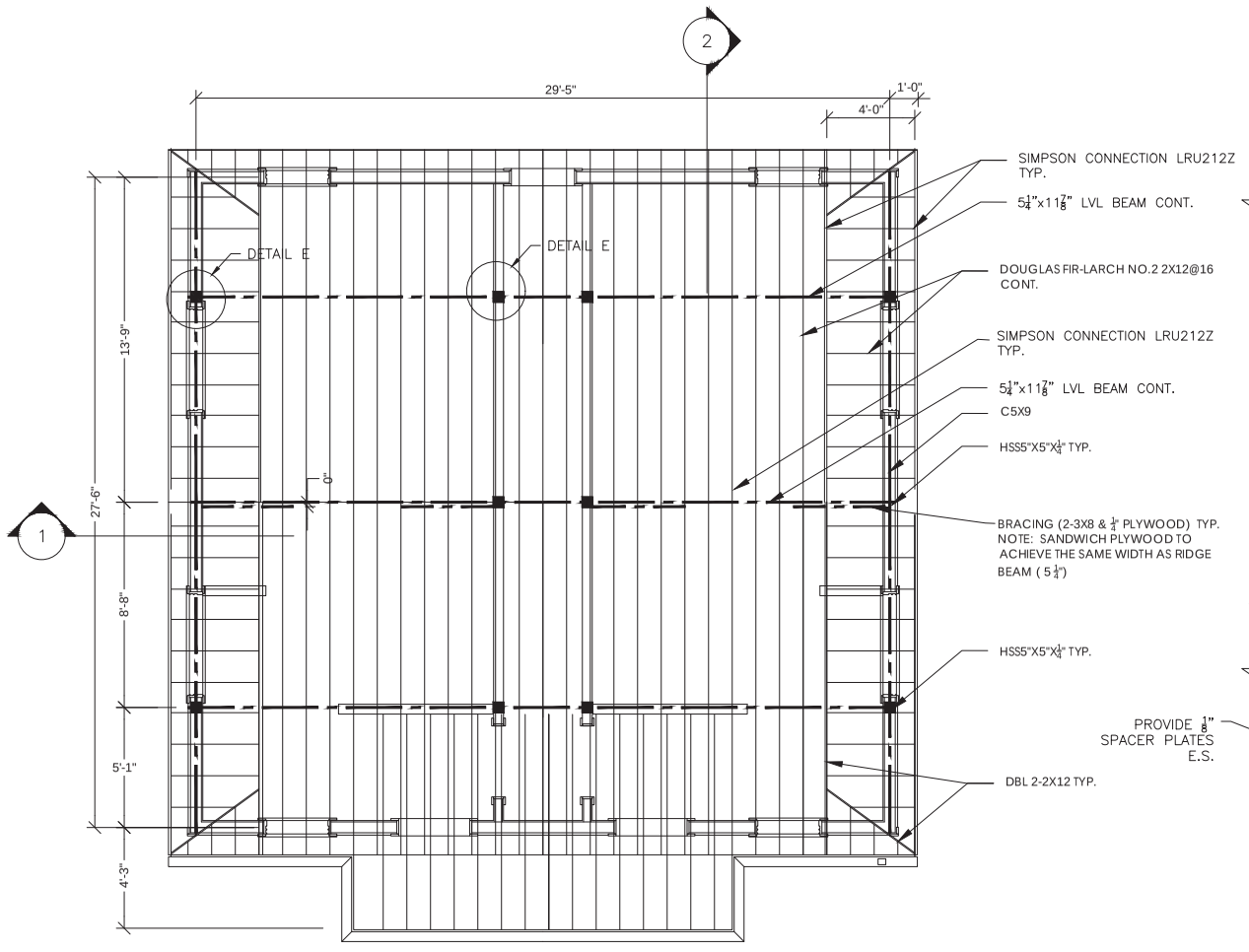
N.T.S.

TYP. CONNECTION BETWEEN HSS AND WALL TOP PLATE



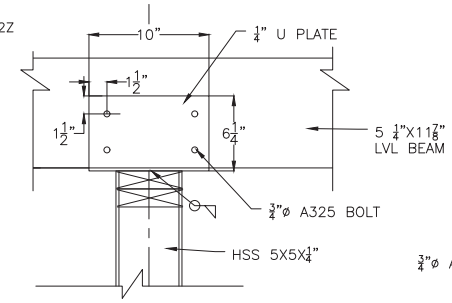
DETAIL F

N.T.S.



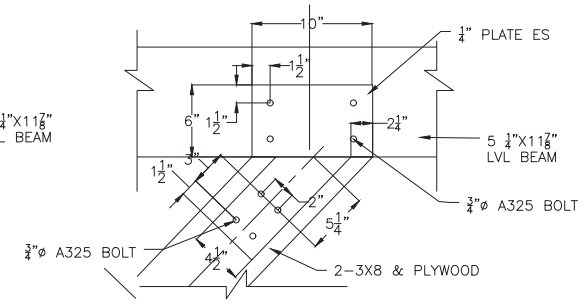
PLAN

1/4" = 1'-0"



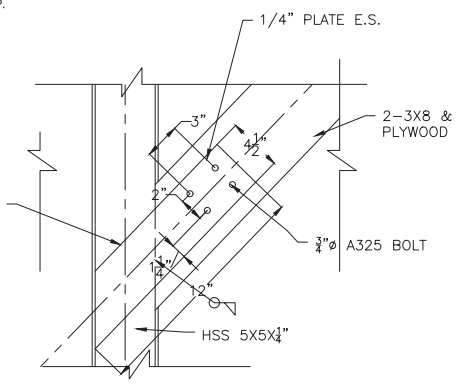
DETAIL C

N.T.S.



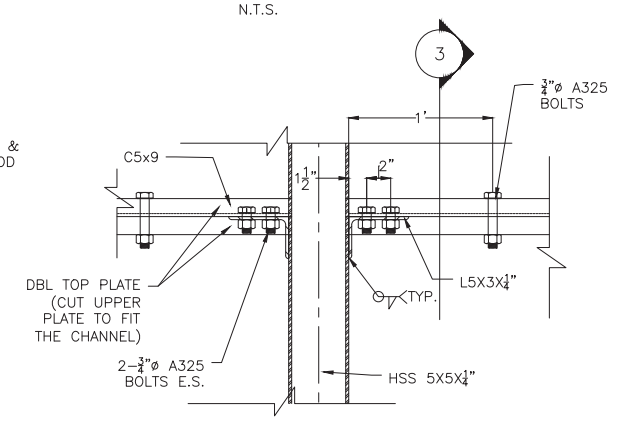
DETAIL A

N.T.S.



DETAIL B

N.T.S.



TYP. CONNECTION BETWEEN HSS AND WALL TOP PLATE AND CHANNEL

DETAIL D

N.T.S.

NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING APPLICABLE CODES AND STANDARDS: ASTM, AWS, BUILDING CODES(NYS) AND AS PER MANUFACTURER'S INSTRUCTIONS.

2. ALL HARDWARE, BOLTS NUTS, ANCHOR BOLTS ETC. TO BE GALV. ALL BOLTS TO BE A325 U.O.N.

3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR STEEL WORK FOR THE APPROVAL OF ENGINEER PRIOR TO START OF WORK. SHOP DRAWINGS FOR ALL STRUCTURAL WORK SHALL BE SIGNED AND SEALED BY LICENSED PROFESSIONAL ENGINEER.

4. ROLLED SHAPES STEEL TO BE A.S.T.M. A-572-GRADE-50, PLATES TO BE A.S.T.M. A-36 AND TO BE GALVANIZED U.O.N. IN ACCORDANCE WITH ASTM A153.

5. ALL WELDS TO BE 1/4", ELECTRODES TO BE E70XX. ALL FIELD WELDING OR DRILLING AREAS SHOULD BE TOUCHED UP WITH 2-COATS ZINC RICH PAINT.

6. LVL BEAM TO BE LP LVL 2650Fb -1.9E OR EQ.

7. FASTEN PANELS WITH A MINIMUM OF 8D COMMON (0.131-INCH BY 2-1/2-INCH) NAILS SPACED A MAXIMUM OF 6 INCHES ON CENTER AT SUPPORTED PANEL ENDS AND EDGES. AT INTERMEDIATE SUPPORTS, FASTEN PANELS 12 INCHES ON CENTER. IN HIGH-WIND AREAS, MORE FASTENERS MAY BE REQUIRED. FASTENERS SHOULD BE 3/8 INCH FROM PANEL ENDS AND 3/8 INCH FROM PANEL EDGES.

8. CONC. STRENGTH TO BE 3000 PSI

9. REINF. TO BE GRADE 60 (ASTM 615) EPOXY COATED

10. FOR INFORMATION NOT INDICATED ON THIS DRAWING, REFER TO ARCHITECTURAL DRAWING

NOTE: WORK DESCRIBED ON THIS PAGE FOR: 'RESTROOM FACILITIES', IS INCLUDED IN: 'BID ITEM': '680.000000WE'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR: NAME ____ SIGNATURE ____ TITLE ____ DATE ____

PROJECT COORDINATOR: NAME ____ SIGNATURE ____ TITLE ____ DATE ____

IN CHARGE OF ADAM KAPLINSKI RA
CHECKED BY P. ABENAVOLI PE
MADE BY MENG HUANG PE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

RESTROOM FACILITY – STRUCTURAL PLAN & DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	S-1

SHEET NO. 54 OF 62
SCALE: 1/4" = 1'-0"
DATE: JAN. 10, 2023
DPW FILE NO. 91-01-S-72-0
REV. NO.

NOTE:
NEW SDR-21 HDPE IS SPECIFIED AS PER NEW YORK STATE DOT ITEM- 603.94020301. ITEM SHALL BE PAID FOR UNDER BID ITEM-680.000000WE.

DIRECT BURY NEW 3" SDR-21 POTABLE WATER MAIN. CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING, EXCAVATION AND OTHER WORK NEEDED FOR A COMPLETE INSTALL. SEE SHEET-P3, DETAIL-9 FOR MORE INFO.

EXISTING POTABLE WATER SUPPLY TO REMAIN.

FURNISH, INSTALL AND CONNECT NEW 3" SDR-21 HDPE POTABLE WATER MAIN TO EXISTING DOMESTIC WATER MAIN OUTSIDE BUILDING. PIPE CONNECTION SHALL BE MADE 5-FT PASS WATER TREATMENT BUIDLING.

FURNISH AND INSTALL NEW 3" WATER SUPPLY MAIN SHUT-OFF VALVE AND VALVE BOX. SEE SHEET-P3, DETAIL-10 FOR INFO.

FURNISH AND INSTALL NEW 2" WATER SUPPLY MAIN SHUT-OFF VALVE AND VALVE BOX ON EXISTING 2" WATER MAIN. SEE SHEET-P3, DETAIL-10 FOR INFO.

FURNISH AND INSTALL NEW 1" SHUT-OFF VALVE, VALVE BOX AND CAP PIPE 5-FT PRIOR TO CHICKEN HOUSE BUILDING. SEE SHEET-P3, DETAIL-10 FOR INFO.

FURNISH AND INSTALL NEW 1" WATER SUPPLY TO CHICKEN HOUSE.

ROUTE NEW 3" SDR-21 POTABLE WATER MAIN TO NEW BATHROOM.

FURNISH AND INSTALL NEW 3" WATER SUPPLY MAIN SHUT-OFF VALVE AND VALVE BOX 5-FT PRIOR TO NEW BATHROOM BUILDING. SEE SHEET-P3, DETAIL-10 FOR INFO.

NOTE: WORK DESCRIBED ON THIS PAGE IS INCLUDED IN: 'BID ITEM': '680.000000WE'

DIG SAFELY - NEW YORK

Before You Dig, Drill Or Blast!

UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION

CALL US TOLL FREE 1-800-962-7962
NY industrial code rule 753 requires no less than two working days notice, but not more than ten days notice.

SAFE DIG

Before You Dig, Drill Or Blast!

- FOR PRIVATE PROPERTY -

Utility Survey Corp.

1-800-825-9283

101 SHORE DRIVE,
NEW WINDSOR, NY 12553

MEMBERS OF NATIONAL UTILITY LOCATING CONTRACTORS ASSOCIATION

AN APPROVED UTILITY SURVEY COMPANY WOULD BE ACCEPTABLE.

EXCAVATION NOTES:

1. GUARDING AND PROTECTION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR GUARDING AND PROTECTING OPEN AND UNATTENDED EXCAVATIONS AND OTHER POTENTIALLY HAZARDOUS LOCATIONS IN AND ADJACENT TO AREAS LAWFULLY FREQUENTED BY ANY PERSON. SUCH GUARDING AND PROTECTION SHALL CONSIST OF ANY ONE, OR A COMBINATION OF, THE FOLLOWING:

a.) A SUBSTANTIAL FENCE OR BARRICADE, NOT LESS THAN FOUR (4) FEET IN HEIGHT AND MOUNTED ON SATISFACTORY SUPPORTS SPACED AT INTERVALS OF NOT MORE THAN TEN (10) FEET. WARNING SIGNS READING "DANGER-KEEP OUT" SHALL BE MOUNTED ON THE FENCE OR BARRICADE, AS REQUIRED BY THE ENGINEER, AT NO MORE THAN FIFTY (50) FOOT INTERVALS. THE SIGNS SHALL BE TWENTY-FOUR INCHES (24") WIDE BY SIXTEEN INCHES (16") HIGH. THE LOWER PORTION OF THE SIGN SHALL BE WHITE AND SHALL BEAR THE WORDS "KEEP OUT" IN FIVE INCH (5") BLACK LETTERS. THE UPPER PORTION SHALL BE PREDOMINANTLY RED WITH FIVE INCH (5") WHITE LETTERING SPELLING OUT THE WORD "DANGER". THE LETTERING SHALL BE ENCLOSED BY AN APPROXIMATELY ELLIPTICAL, WHITE RING AND THE ENTIRE SIGN BORDERED IN BLACK. ALL BARRICADES AND WARNING SIGNS SHALL BE FURNISHED, ERECTED, RELOCATED, MAINTAINED, AND REMOVED BY THE CONTRACTOR AS REQUIRED.

b.) A FORTY-EIGHT INCH (48") EXTENSION OF THE TRENCH SHEETING ABOVE THE GROUND SURFACE ADJACENT TO THE EXCAVATION.

c.) A SUBSTANTIAL COVERING OVER THE EXCAVATION. WHERE IT IS POSSIBLE THAT VEHICLES WILL MOVE OVER SUCH COVERING, THE COVERING SHALL BE OF SUFFICIENT STRENGTH TO WITHSTAND THE LOADING.

EXCAVATION NOTES CONTINUE:

2. EMERGENCY CONTACT PERSON: THE CONTRACTOR SHALL DESIGNATE SOMEONE TO BE AVAILABLE TO RESPOND TO EMERGENCY CALLS. THE NAME OF THE PERSON AND THE TELEPHONE NUMBER AT WHICH HE/SHE CAN BE REACHED AT ANY TIME SHALL BE GIVEN TO THE CONSTRUCTION MANAGER. SUCH PERSON SHALL HAVE FULL AUTHORITY AND CAPABILITY TO MOBILIZE FORCES PROMPTLY AS REQUIRED TO RESPOND TO AN EMERGENCY AND PROTECT THE PUBLIC.

3. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE ENGINEER HIS PROPOSED ROUTE FOR TRENCHING PRIOR TO COMMENCEMENT OF ANY EXCAVATION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENTIRE TRENCH EXCAVATION AND BACKFILL.

5. THE CONTRACTOR SHALL RESTORE ALL THE ROADS TO THEIR ORIGINAL OR BETTER CONDITION WHEN EXCAVATION THRU THEM.

6. THE CONTRACTOR SHALL COMPLY WITH THE NEW YORK STATE CODE RULE 753 FOR EXCAVATION OF UTILITY LINES. THE CONTRACTOR SHALL HIRE AN APPROVED UTILITY SURVEY COMPANY TO LOCATE THE EXISTING UTILITIES, PRIOR TO EXCAVATION, SUCH AS:

a.) UTILITY SURVEY CORP. TEL: (800) 825-9283, OR

b.) UFPO COMPANY, TEL: (800) 962-7962, OR APPROVED EQUAL.

7. RESTORATION: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION ON ALL ASPHALT PAVED AREAS.

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

IN CHARGE OF R. LOPANE
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY ODEAN FOSTER

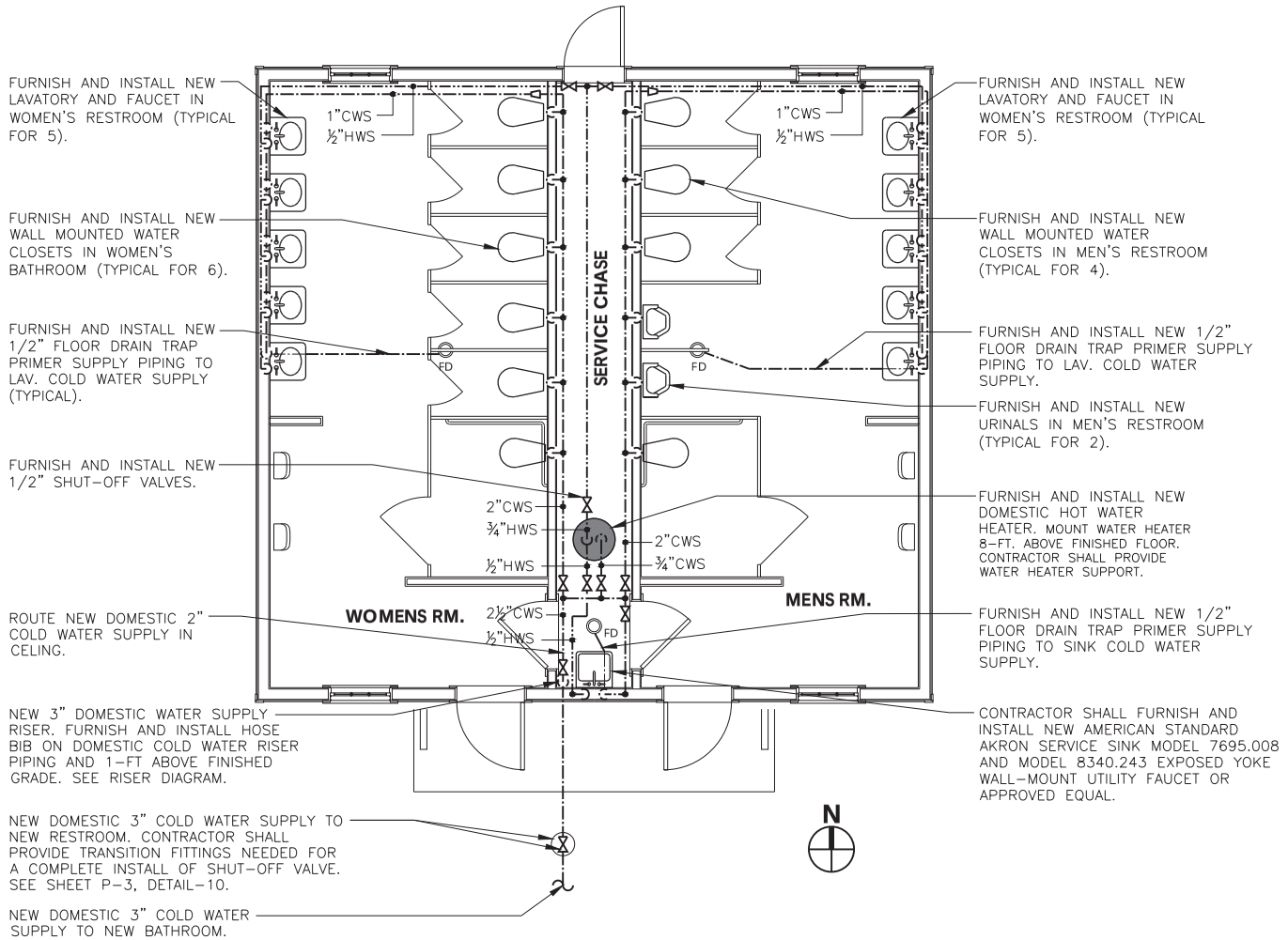
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

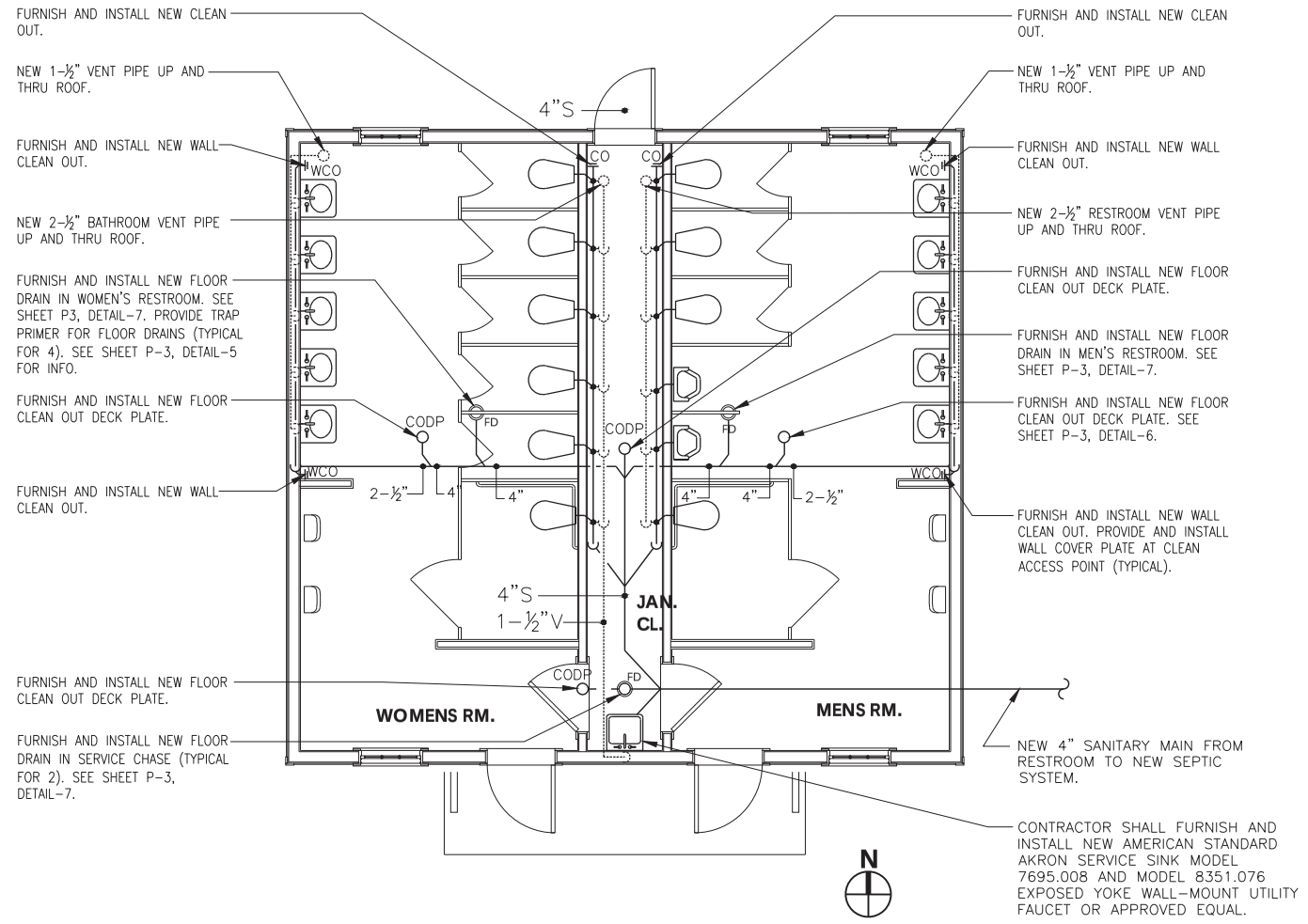
PLUMBING SITE WORK

CONTRACT NUMBER	SHEET NUMBER
20-536	P-1

SHEET NO. 55 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-P-73-0
REV. NO.



1 NEW BATHROOM DOMESTIC WATER WORK PLAN
1/4" = 1'-0"



2 NEW BATHROOM SANITARY WORK PLAN
1/4" = 1'-0"

EQUIPMENT SCHEDULE

EQUIPMENT	MANUFACTURER	MODEL #	CAPACITY	V/PH/AMP
ELECTRIC WATER HEATER	RHEEM	PROE30 1 RH95 POU	30-GALLONS	120V/1PH/16.7-AMPS

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS NECESSITATED BY INSTALLATION, ELECTRICAL CHANGES, PHYSICAL ALTERATIONS AND ANY OTHER DETAILS REQUIRED FOR PROPER OPERATION OF ANY SUBSTITUTE PRODUCT BID.

NOTE: WORK DESCRIBED ON THIS PAGE IS INCLUDED IN: 'BID ITEM': '680.000000WE'

IN CHARGE OF R. LOPANE
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY ODEAN FOSTER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION
☐ AS BUILT - CHANGES AS NOTED
☐ AS BUILT - NO CHANGES

CONTRACTOR: NAME ____ SIGNATURE ____ TITLE ____ DATE ____

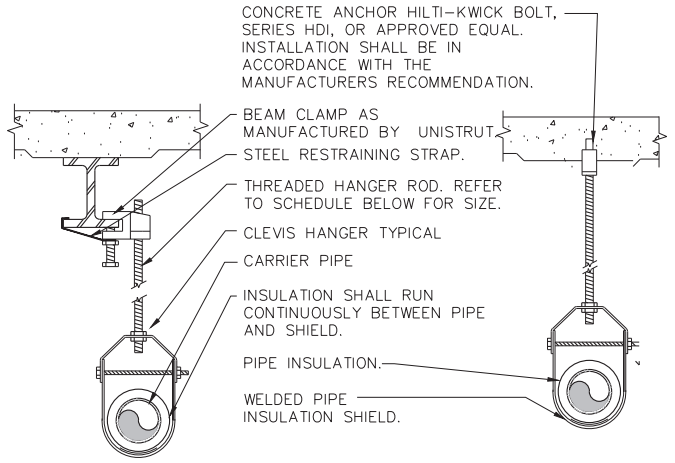
PROJECT COORDINATOR: NAME ____ SIGNATURE ____ TITLE ____ DATE ____

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

NEW RESTROOM PLUMBING PLANS

CONTRACT NUMBER 20-536
SHEET NUMBER P-2
SHEET NO. 56 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-P-74-0
REV. NO.

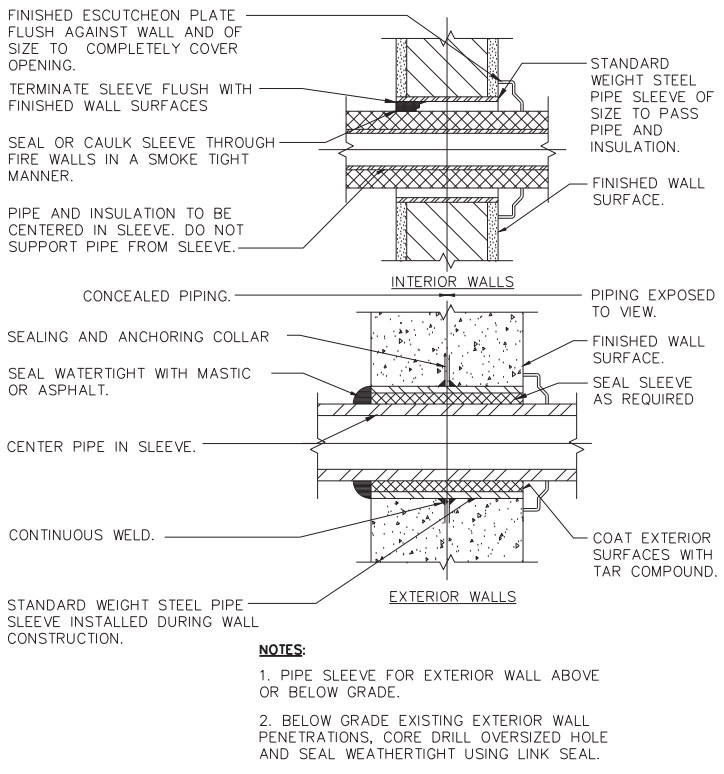


PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"–2"	2 1/2"–3"	4"–5"	6"	8"–12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

NOTES:

1. CLEVIS HANGERS WITH WELDED INSULATION SHEILDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHEILD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
3. FOR NONINSULATED PIPE, INSULATION SHEILDS MAY BE OMITTED.
4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI–ELECTRIC BETWEEN PIPE AND HANGERS.

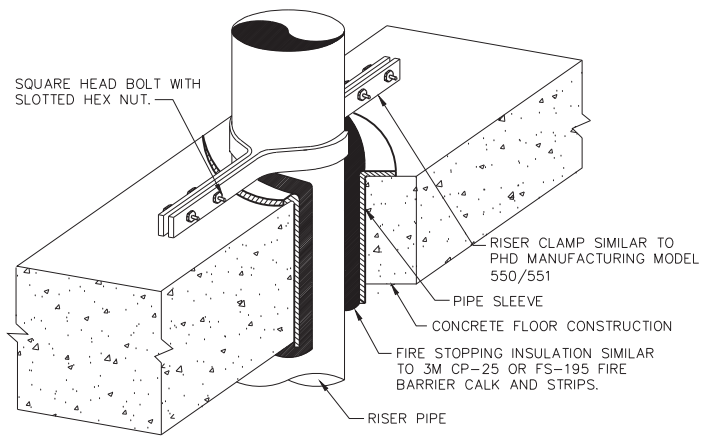
1 PIPE HANGER DETAIL
SCALE: NOT TO SCALE



NOTES:

1. PIPE SLEEVE FOR EXTERIOR WALL ABOVE OR BELOW GRADE.
2. BELOW GRADE EXISTING EXTERIOR WALL PENETRATIONS, CORE DRILL OVERSIZED HOLE AND SEAL WEATHERTIGHT USING LINK SEAL.

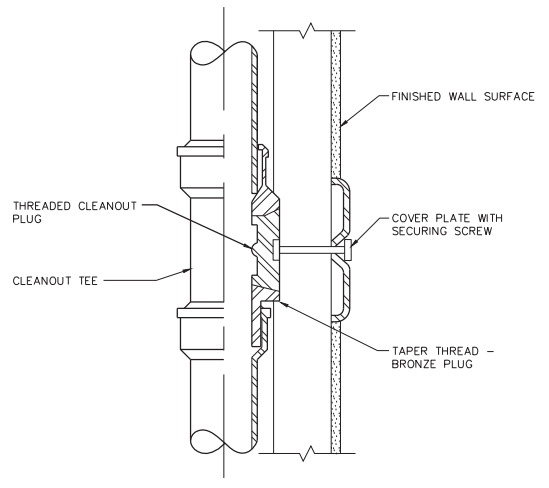
2 PIPE PENETRATION DETAIL
SCALE: NOT TO SCALE



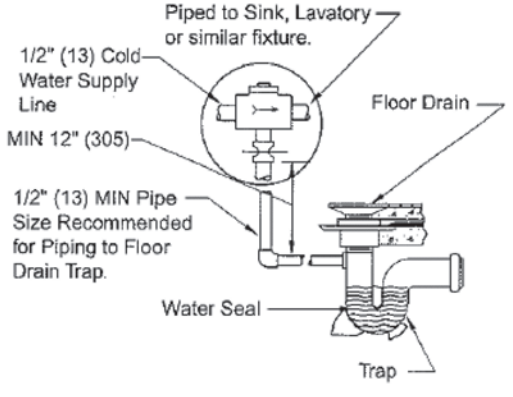
NOTES:

1. INSULATION OF PIPING IS NOT SHOWN. INSULATION SHALL RUN THROUGH FLOOR PENETRATION. USE SECTION OF CALCIUM SILICATE WITH SLEEVE CAP AND FIRE SEAL WRAP.

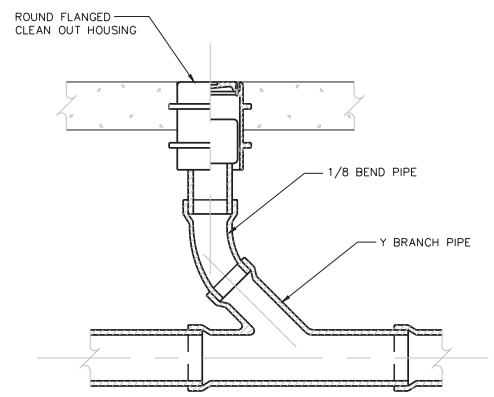
3 PIPE FLOOR PENETRATION DETAIL
SCALE: NOT TO SCALE



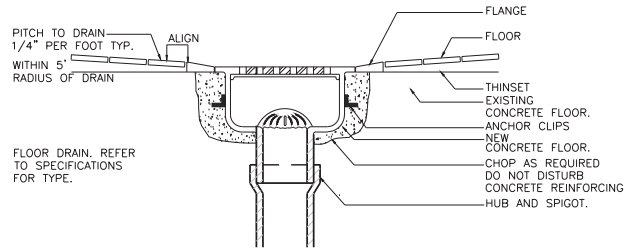
4 CONCEALED CLEANOUT DETAIL
SCALE: NOT TO SCALE



5 DRAIN TRAP PRIMER DETAIL
SCALE: NOT TO SCALE



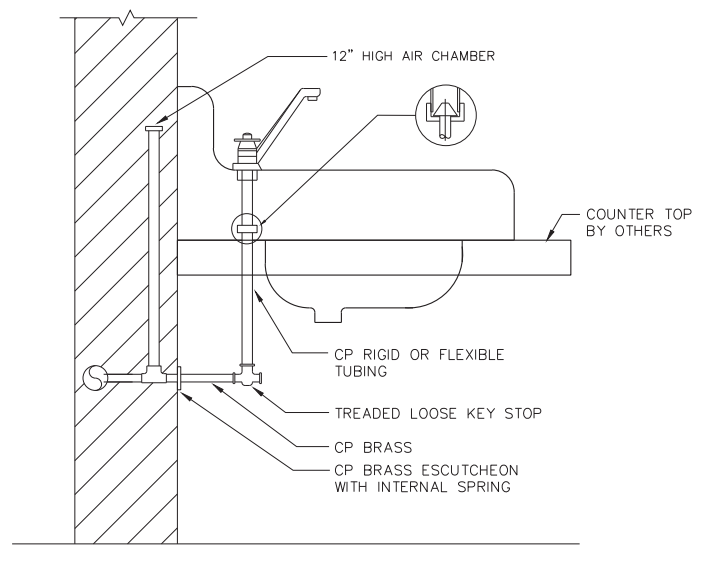
6 FLOOR CLEANOUT SLAB DETAIL
SCALE: NOT TO SCALE



7 FLOOR DRAIN DETAIL
SCALE: NOT TO SCALE

NOTE:

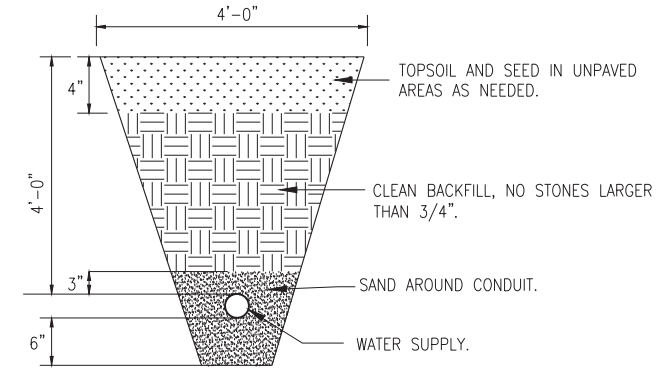
1. NOT LAB DRAIN



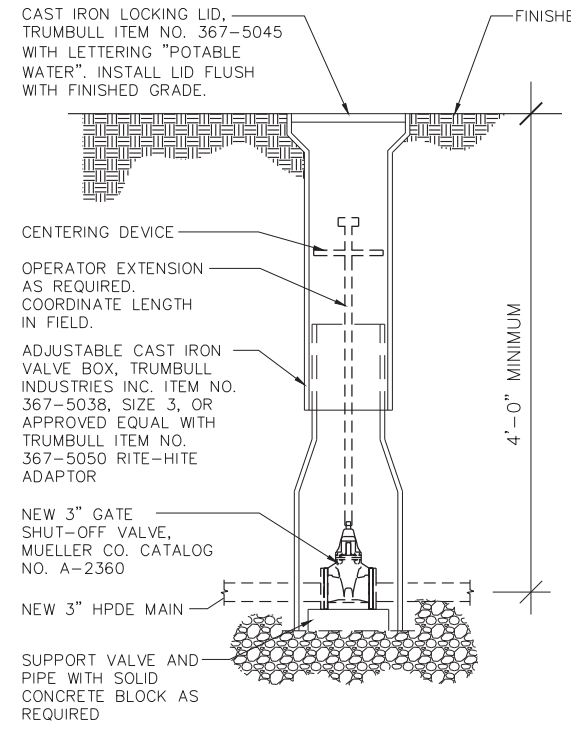
8 LAVATORY SUPPLY CONNECTION DETAIL
SCALE: NOT TO SCALE

NOTE:

1. SIMILAR SUPPLY ARRANGEMENT TO OTHER FIXTURES



9 PIPE TRENCH DETAIL
SCALE: NOT TO SCALE



NOTES:

1. CONTRACTOR SHALL PROVIDE TRANSITION FITTINGS NEEDED FOR A COMPLETE INSTALL OF SHUT–OFF VALVE.

10 VALVE BOX DETAIL
SCALE: NONE

NOTE: WORK DESCRIBED ON THIS PAGE IS INCLUDED IN: 'BID ITEM': '680.000000WE'

IN CHARGE OF R. LOPANE
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY ODEAN FOSTER

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

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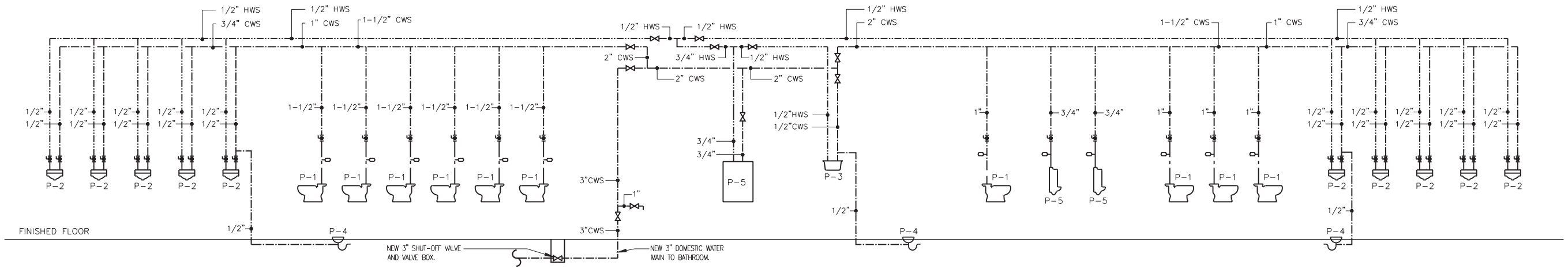
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

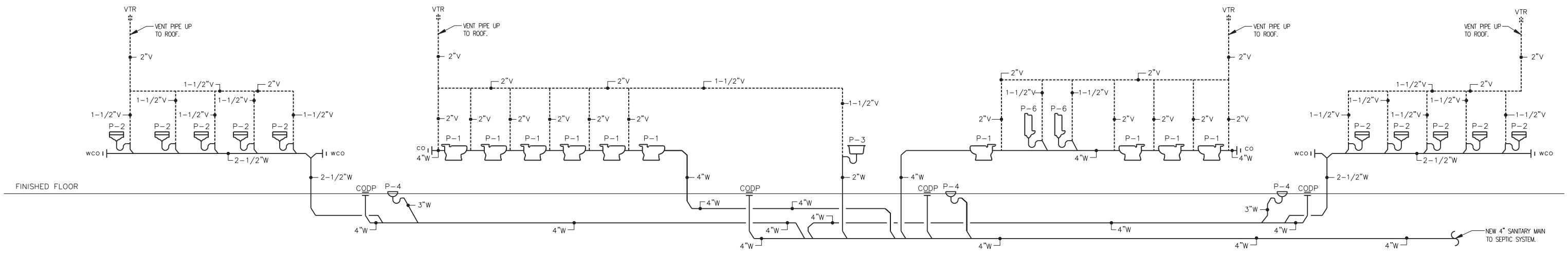
PLUMBING DETAILS

CONTRACT NUMBER	SHEET NUMBER
20-536	P-3

SHEET NO. 57 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91–01–P–75–0
REV. NO.



1 RESTROOM COLD AND HOT WATER RISER DIAGRAM NEW WORK PLAN
NOT TO SCALE



2 RESTROOM SANITARY RISER DIAGRAM NEW WORK PLAN
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS PLAN	SYMBOLS ELEV	FIXTURES	PLUMBING CONNECTIONS WASTE	VENT	C.W.	H.W.
P-1			ADA WATER CLOSET FLUSH VALVE TYPE	4"	2"	1"	—
P-2			ADA LAV	1-1/2"	1-1/2"	1/2"	1/2"
P-3			SLOP SINK	2"	1-1/2"	1/2"	1/2"
P-4			FLOOR DRAIN	2"&3"	1-1/2"	—	—
P-5			WATER HEATER	—	—	—	3/4"
P-6			ADA URINAL	2"	1-1/2"	3/4"	—

VALVE SCHEDULE

GATE VALVES	2-1/2" AND SMALLER	STOCKHAM B-105 THREADED, RISING STEM
BALL VALVES	3" AND SMALLER	STOCKHAM S-206-BRI-R-T WITH EXTENSION STEM FOR INSULATED PIPE

EXCEPT WHERE SPECIFICALLY STATED TO CONTRARY, ALTERNATE MANUFACTURERS FOR VALVES ARE AS FOLLOWS:

- CRANE COMPANY
- JENKINS BROTHERS
- NIBCO, INC.
- LUNKENHEIMER CO.
- HAMMOND VALVE CORP. (SERIES IB,IR)
- KENNEDY VALVE MFG. CO., INC.
- STOCKHAM VALVE AND FITTINGS

THE CONTRACTOR SHALL PROVIDE THE VALVES SPECIFIED, OR THE EQUIVALENT AS PRODUCED BY ONE OF THE ABOVE LISTED MANUFACTUERES.

SYMBOLS LEGEND

HWS	HOT WATER SUPPLY
CWS	COLD WATER SUPPLY
V	NEW VENT PIPE
W	NEW WASTE/SANITARY PIPE
WCO/CO	WALL/CLEANOUT
fco	FLOOR CLEANOUT
	PIPE TURNED UP
	PIPE TURNED DOWN
	GATE VALVE
	BALL VALVE
	CAP
FD	FLOOR DRAIN
SS	SLOP SINK
	WATER HAMMER ARRESTOR

PLUMBING PIPING MATERIAL:

WASTE AND VENT: SERVICE WT. CAST IRON WITH PUSH-ON RUBBER GASKETS OR NO-HUB PIPE COUPLINGS FOR ABOVE GRADE PIPING. BELOW GRADE EXTRA HEAVY CAST IRON HUB AND SPIGOT

WATER PIPING: TYPE "L" COPPER AND WROUGHT COPPER FITTINGS, 95-5 LEADLESS SOLDER.

INSULATION BUILDING INTERIOR: HOT AND COLD WATER PIPING SHALL HAVE 1". THICK PREFORMED FIBERGLASS PIPE INSULATION WITH ALL PURPOSE JACKET. PIPING INSULATION SHALL HAVE VAPOR BARRIER AND FITTING COVERS.

PLUMBING GENERAL NOTES

1. THE INFORMATION GIVEN ON THIS PLAN IS FOR BID PURPOSES ONLY. THE SUCCESSFUL CONTRACTOR SHALL MAKE HIS OWN FIELD MEASUREMENTS AND VERIFY ALL GIVEN INFORMATION BEFORE ORDERING MATERIALS.
2. PITCH ALL SOIL AND WASTE PIPING AS REQUIRED PER STATE AND LOCAL BUILDING CODE. PIPING 2" OR LESS SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FOOT AND PIPING OVER 2" SHALL A MINIMUM SLOPE OF 1/8" PER FOOT.
3. ALL PLUMBING WORK SHALL BE PERFORMED BY A PLUMBER LICENSED BY THE COUNTY OF WESTCHESTER. A COPY OF THE LICENSE SHALL BE SUBMITTED TO OWNER AND ALL FEES PAID.
4. PROVIDE SUFFICIENT CLEVIS TYPE HANGERS, SUPPORTS, RODS, BRACES, ETC. TO PROPERLY SUPPORT PIPING. INSTALL HANGERS OVER INSULATION.
5. ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED. DISINFECT ALL WATER PIPING WITH HTL TABLETS FOR 24 HOURS, FLUSH AFTERWARDS.

PLUMBING GENERAL NOTES

7. PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL.
8. THE CONTRACTOR SHALL PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES, TRAPS AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION, INCLUDING HOT WATER AND COLD WATER ISOLATION VALVES FOR EACH FIXTURE.
9. CONTRACTOR SHALL COORDINATE NEW FIXTURES LOCATIONS WITH ARCHITECTURAL DRAWINGS EXISTING CONDITIONS.
10. ALL ELECTRICAL WORK SHALL BE DONE BY A LICENSE ELECTRICIAN.
11. CALL WORK SHALL BE DONE IN COMPLIANCE WITH NFPA, THE N.Y. STATE AND THE LOCAL PLUMBING CODES.

PLUMBING CONSTRUCTION NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR ALL SAW CUTTING, CORE DRILLING AND PATCHING WHERE REQUIRED.
2. ALL PIPING SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
3. CONTRACTOR IS RESPONSIBLE FOR DEMOLISHING, REMOVAL AND DISPOSAL OF ALL PLUMBING FIXTURES SCHEDULE FOR DEMOLITION UNLESS TOLD OTHERWISE.
4. CONTRACTOR SHALL PROVIDE TRANSITION FITTINGS AS NEEDED TO CONNECT NEW PIPES TO EXISTING PIPING. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY EXISTING PIPE SIZES.

GENERAL NOTES

1. THE INFORMATION FURNISHED ON THIS DRAWING IS FROM BEST SOURCES AVAILABLE. IT IS OFFERED PRIMARILY FOR BIDDING PURPOSES ONLY AND IT MAY NOT REPRESENT EXISTING AS BUILT CONDITIONS. THIS CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS ON THE JOB SITE PRIOR TO INSTALLATION.
2. EACH BIDDER SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE CONDITIONS OF THE PREMISE AND THE EXTENT AND CHARACTER OF THE WORK REQUIRED. NO CONSIDERATION WILL BE GRANTED FOR ANY ALLEGED MISUNDERSTANDING OF THE WORK TO BE DONE OR SITE CONDITIONS THAT WILL AFFECT THE INSTALLATION COST.
3. CONTRACTOR SHALL COORDINATE ANY SYSTEM SHUTDOWN WITH CONSTRUCTION MANAGER. ANY REQUIRED SHUTDOWN SHALL BE PERFORMED AT TIMES TO LIMIT IMPACT ON BUILDING OCCUPANTS.
4. ALL MATERIALS, EQUIPMENT, AND WORK REQUIRED FOR THE COMPLETION OF CONSTRUCTION WORK SHALL BE FURNISHED AND INSTALLED. THE WORK SHALL BE TO SUCH EXTENT, THAT AFTER COMPLETION, IT WILL MEET THE APPROVAL OF CONSTRUCTION MANAGER OR WESTCHESTER COUNTY REPRESENTATIVE.
5. ALL MATERIAL AND EQUIPMENT FURNISHED AND INSTALLED SHALL BE NEW AND SHALL BE FREE FROM DEFECTS OF ANY KIND.
6. THIS CONTRACTOR SHALL SUBMIT DETAILED COORDINATED SHOP DRAWINGS OF ALL PIPED EQUIPMENT LAYOUTS AND CORRECTED AS-BUILT DRAWINGS.

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IN CHARGE OF R. LOPANE
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY ODEAN FOSTER

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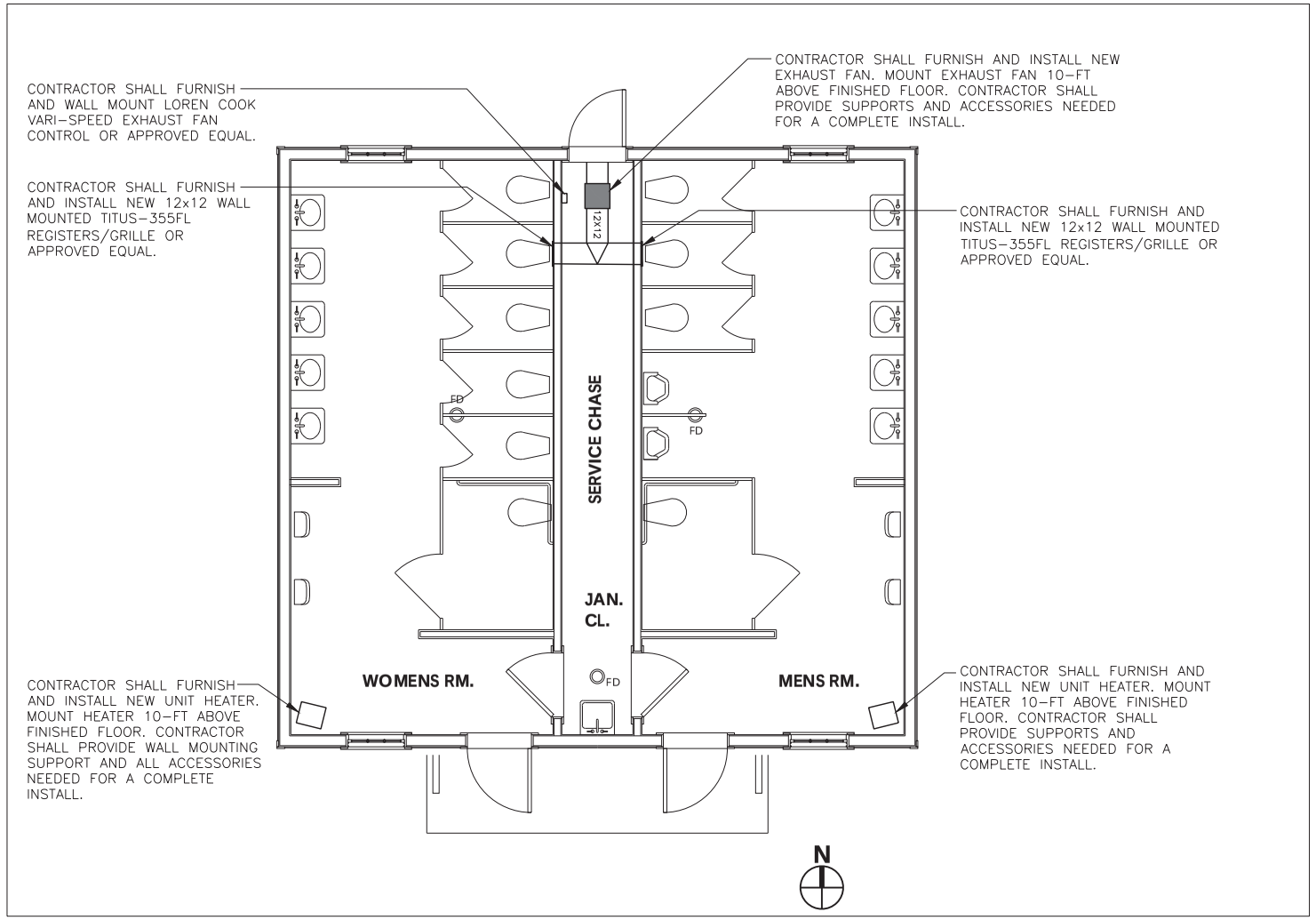
PROJECT COORDINATOR
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

PLUMBING RISER DIAGRAM

CONTRACT NUMBER 20-536
SHEET NUMBER P-4
SHEET NO. 58 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-P-76-0
REV. NO.

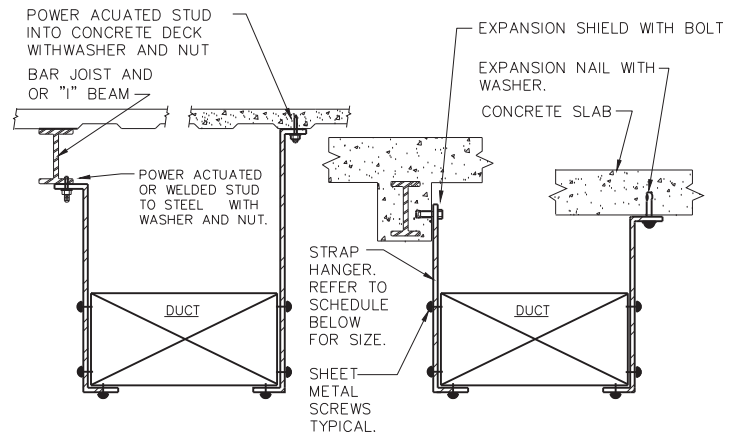


1 MECHANICAL NEW WORK PLAN
1/4" = 1'-0"

EQUIPMENT SCHEDULE

EQUIPMENT	MANUFACTURER	MODEL #	CAPACITY	DIMENSION	SP (in)	HP	RPM	V/PH/HZ
EXHAUST FAN	LOREN COOK	100 SQN-B	920-CFM	-	0.125	1/4	1762	115/1/60
UNIT HEATER	MODINE	HER 30	3 KW 380 CFM	23-5/8" X 23-5/8"	-	1/40	-	240/1/60

NOTES:
1. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS NECESSITATED BY INSTALLATION, ELECTRICAL CHANGES, PHYSICAL ALTERATIONS AND ANY OTHER DETAILS REQUIRED FOR PROPER OPERATION OF ANY SUBSTITUTE PRODUCT BID.

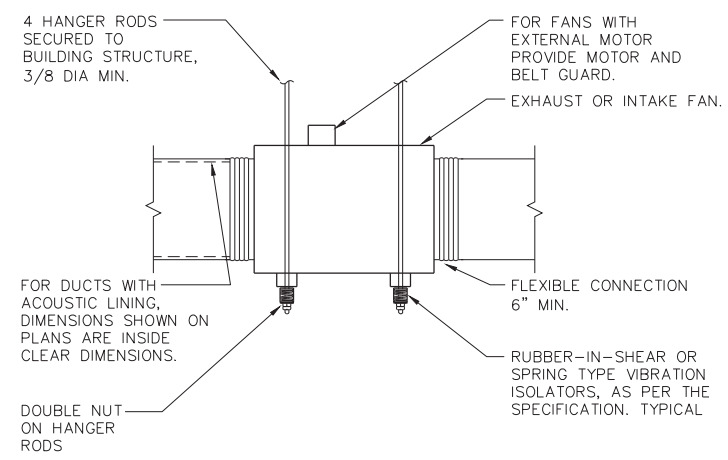


NOTES:
1. FOR DUCTS OVER 49" WIDE, THE STRAP HANGER SHALL BE TURNED UNDER THE BOTTOM OF THE DUCT.

HANGER STRAP SCHEDULE

DUCT SIZE	HANGER SIZE	MAXIMUM SPACING
UP TO 2 SQ.FT.	1" X 1/16"	8'-0"
2 SQ. FT. TO 8 SQ.FT.	1" X 1/8"	8'-0"
4 SQ.FT. TO 10 SQ.FT.	THREADED ROD	6'-0"
OVER 10 SQ.FT.	THREADED ROD	4'-0"

2 DUCT HANGER DETAIL
SCALE: NONE



3 IN-LINE EXHAUST FAN DETAIL
SCALE: NONE

NOTE: WORK DESCRIBED ON THIS PAGE IS INCLUDED IN: 'BID ITEM': '680.000000WE'

IN CHARGE OF R. LOPANE
CHECKED BY JAI PUNNOOSE, P.E.
MADE BY ODEAN FOSTER

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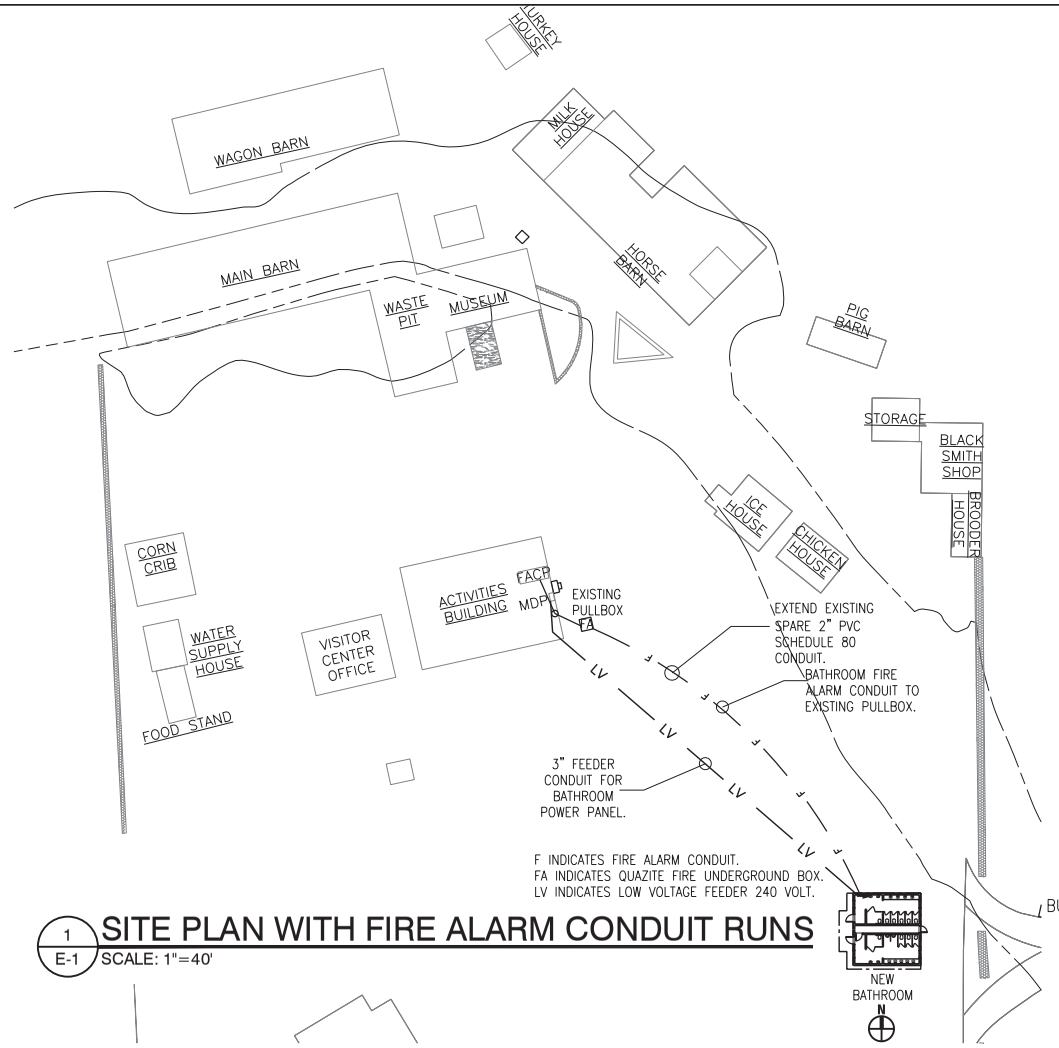
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DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

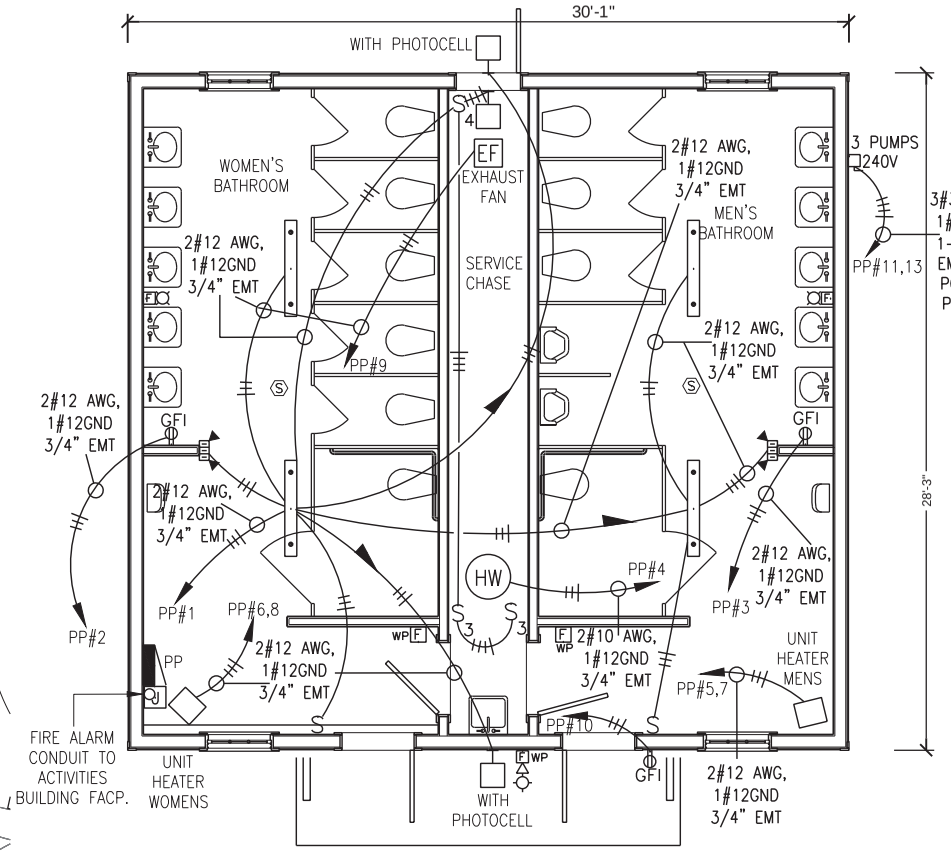
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM
INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM
SOMERS, NEW YORK

BATHROOM HEAT &VENTILATION PLAN & DETAILS

CONTRACT NUMBER 20-536
SHEET NUMBER HV-1
SHEET NO. 59 OF 62
SCALE: AS SHOWN
DATE: 01/10/2023
DPW FILE NO. 91-01-HV-77-0
REV. NO.



1 E-1 **SITE PLAN WITH FIRE ALARM CONDUIT RUNS**
SCALE: 1"=40'



2 E-1 **BATHROOM ELECTRICAL**
SCALE: 1/4"=1'

SYMBOLS LIST

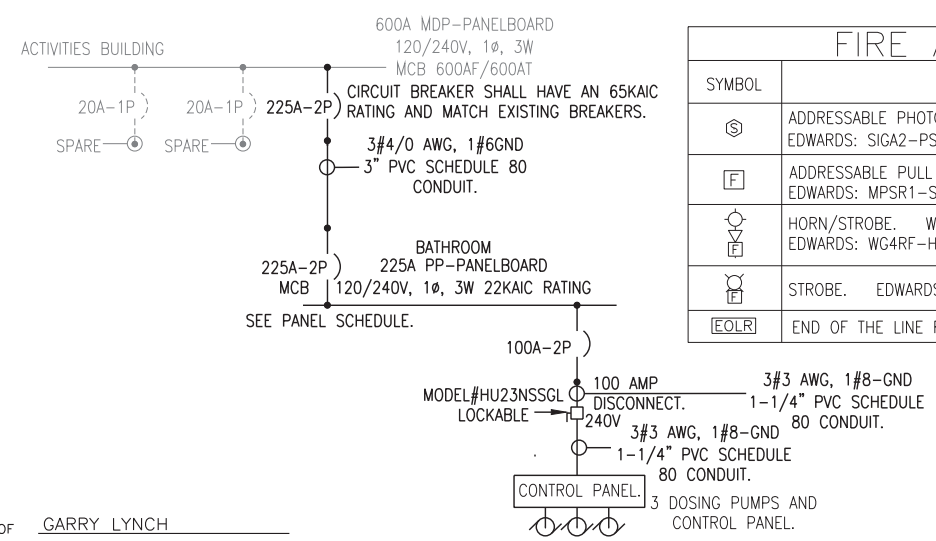
- BRANCH CIRCUITRY. # OF TICKS INDICATES 3 OF CONDUCTORS. #12 AWG MINIMUM.
- BRANCH CIRCUIT HOMERUN. #OF ARROW HEADS INDICATES # OF SEPARATE HOMERUNS. # OF TICKS INDICATES # OF CONDUCTORS. #12 AWG MINIMUM.
- S — 20A, 125/277 VAC. TOGGLE SWITCH ASSEMBLY.
- S_3 — 20A, 3-WAY 125/277 VAC. TOGGLE SWITCH ASSEMBLY.
- S_4 — 20A, 4-WAY 125/277 VAC. TOGGLE SWITCH ASSEMBLY.
- LED LUMINAIRE, 30 WATT, 120 VOLT MODEL #WS4-C-40L-LFP-40K-8-UL. BY CREE LIGHTING.
- LED LUMINAIRE, 28 WATT, 120 VOLT MODEL #TWR1-LED-P2-50K-MVOLT-DDBTXD. BY LITHONIA LIGHTING.
- PP — SURFACE MOUNTED POWER PANEL. 240/120 VOLT, 3P, 3W, 225A MCB.
- GFI — GROUND FAULT CIRCUIT INTERRUPTER DUPLEX TAMPER PROOF RECEPTACLE 120V, 20AMP.
- HW — 120 VOLT 2000 WATT SINGLE PHASE HOT WATER HEATER MOUNTED IN OVERHEAD.
- 240V — 240V, 30A HEAVY DUTY STAINLESS STEEL NON-FUSED DISCONNECT SWITCH. SQUARE D MODEL #HU21NSSGL LOCKABLE. (GRINDER PUMPS)
- J — FIRE ALARM JUNCTION BOX PAINTED RED.

NOTES:

1. ALL ITEMS SHOWN ON DRAWING SHALL BE CONSIDERED NEW AND SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE INDICATED.
2. CONTRACTOR SHALL FURNISH INSTALL ALL NEW LED LUMINARIES, ALL ASSOCIATED CONDUIT/WIRE, SWITCHES, RECEPTACLES, DISCONNECTS, POWER PANELS, CIRCUIT BREAKERS, FIRE ALARM CABLING/WIRE, AND ALL ASSOCIATED EQUIPMENT AND HARDWARE NECESSARY FOR ALL WORK AS SHOWN ON CONTRACT DRAWINGS.
3. CONTRACTOR SHALL FURNISH AND INSTALL NEW SMOKE DETECTORS AND HORN STROBES IN THE BATHROOMS THAT ARE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TESTING AND REPROGRAMMING OF THE EXISTING FIRE ALARM SYSTEM AFTER NEW SMOKE DETECTORS AND HORN STROBES ARE INSTALLED IN THE BATHROOMS. THE CONTRACTOR SHALL COORDINATE ALL FIRE ALARM WORK WITH THE COUNTY FIRE ALARM SERVICE CONTRACTOR (OPEN SYSTEMS METRO INC, MIKE TIANO, (914)241-0057. CONTRACTOR SHALL INCLUDE ALL COSTS IN HIS PRICE.
4. CONTRACTOR SHALL TRACE OUT AND LABEL ALL CIRCUITS BEING WORKED ON PRIOR TO DOING ANY WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, DRILLING AND PATCHING.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING, DEWATERING, AND RESTORATION OF ALL DISTURBED OUTSIDE AREAS.
7. ALL INTERIOR CONDUIT SHALL BE EMT, ALL EXTERIOR CONDUIT SHALL BE PVC UNDERGROUND AND ABOVE GROUND SHALL BE RIGID GALVANIZED CONDUIT.
8. ALL WORK SHALL COMPLY WITH 2020 NEC AND 2020 NFPA 72 CODES.

SCHEDULE OF LUMINAIRES

AREAS	SYMBOL	MOUNTING	VOLT	LAMPS #TYPE	LAMPS WATT	DIMENSIONS L	DIMENSIONS W	DIMENSIONS H	CONSTRUCTION	LOUVER/REFLECTOR/DIFFUSER	REMARKS	MANUFACTURER
BATHROOMS		CHAIN HUNG	120	LED	30	51.8"	6.8"	4.3"	MOLDED ONE-PIECE REINFORCED HOUSING. WHITE THERMOPLASTIC LATCHES. STAINLESS STEEL MOUNTING BRACKETS AND BAILS.	FROSTED UV-STABILIZED POLYCARBONATE LENSES. POLYURETHANE GASKETING FOR A CONTINUOUS SEAMLESS SEAL.	5 YEAR WARRANTY. UL LISTED 50,000 HOURS OF AT LEAST 70% INITIAL LUMEN OUTPUT. 0-10 VOLT DIMMING	CREE LIGHTING #WS4-C-40L-LFP-40K-8-UL 4100 LUMENS, 4000K
SERVICE CHASE AND EXTERIOR		WALL MOUNTED	120	LED	28	7.5"	12.9"	9"	RUGGED CAST-ALUMINUM HOUSING WITH BRONZE POLYESTER POWDER PAINT. 6KV SURGE PROTECTION.	PRECISION OPTICS AND DIFFUSING LENS FOR UNIFORM LIGHT ACROSS THE SURFACE OF THE LENS.	5 YEAR WARRANTY. UL LISTED 100,000 HOURS OF UP TO 90% INITIAL LUMEN OUTPUT.	LITHONIA LIGHTING #TWR1-LED-P2-50K-MVOLT-DDBTXD 3450 LUMENS, 5000K
		WALL/ CEILING MOUNT	120	LED	8	9"	2.75"	9"	ENGINEERI GRADE UV-STABLE THERMOPLASTIC. IMPACT/SCRATCH RESISTANT.	HIGH PERFORMANCE CHROME PLATED METALLIZED REFLECTOR AND PLASTIC LENS.	5 YEAR WARRANTY. UL LISTED FOR DAMP LOCATIONS. MAINTENANCE FREE NICAD BATTERY. 90 MIN OPERATIONS.	ENVOY LIGHTING MODEL #LEDEM1W. LED EMERGENCY LIGHT WITH BATTERY BACKUP.



3 E-1 **PARTIAL EXISTING AND NEW SINGLE LINE**
SCALE: NONE

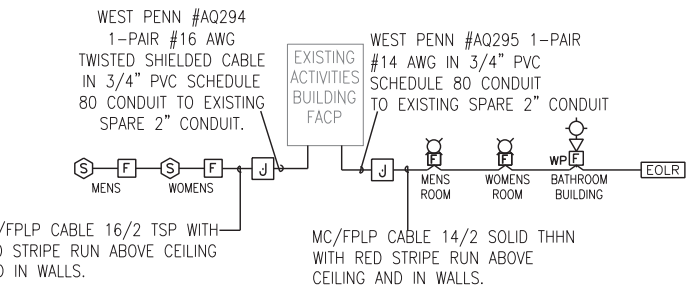
FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
S	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. EDWARDS: SIGA2-PS DETECTOR. EDWARDS: #SIGA-SB BASE.
F	ADDRESSABLE PULL STATION. EDWARDS: MPSR1-SHTW-GE WEATHERPROOF. EDWARDS: P-027193 BOX.
F	HORN/STROBE. WP INDICATES WEATHERPROOF EDWARDS: WG4RF-HVMC WEATHERPROOF WITH EDWARDS: 74347U BOX.
F	STROBE. EDWARDS: G1RF-VM (RED)
EOLR	END OF THE LINE RESISTOR.

"PP" PANEL

MAIN BUS RATINGS: 225A, 120/240V, 1ø, 3W, PLUS GROUND BUS. MAIN CIRCUIT BREAKER: 225A INTERRUPTING CAPACITY (SYMMETRICAL): 10kA FULLY RATED. BRANCH CIRCUIT BREAKERS INTERRUPTING CAPACITY (SYM): 10kA. ENCLOSURE: NEMA TYPE 4X STAINLESS STEEL, SURFACE MOUNTED. GE A SERIES II LOCATION: NEW BATHROOM

DESCRIPTION	LOAD WATTS	CB AMP	CIR NO.	L1 N L2	CIR NO.	CB AMP	LOAD WATTS	DESCRIPTION
LIGHTING	210	20 1P	1		2	20 1P	1920	GFI RECEPTACLE WOMENS
GFI RECEPTACLE MENS	1920	20 1P	3		4	25 1P	2000	HOT WATER HEATER
HEATER MENS BATHROOM	3000	20 2P	5		6	20 2P	3000	HEATER WOMENS BATHROOM
			7		8			
EXHAUST FAN	700	20 1P	9		10	20 1P	1.8	EXTERIOR GFI
3 PUMPS	19000	100 2P	11		12	20 1P		SPARE
			13		14	20 1P		SPARE
SPACE			15		16			SPARE
SPACE			17		18			SPACE
225A MAIN	FILLER							



4 E-1 **FIRE ALARM SINGLE LINE TO EXISTING PANEL**
SCALE: NONE

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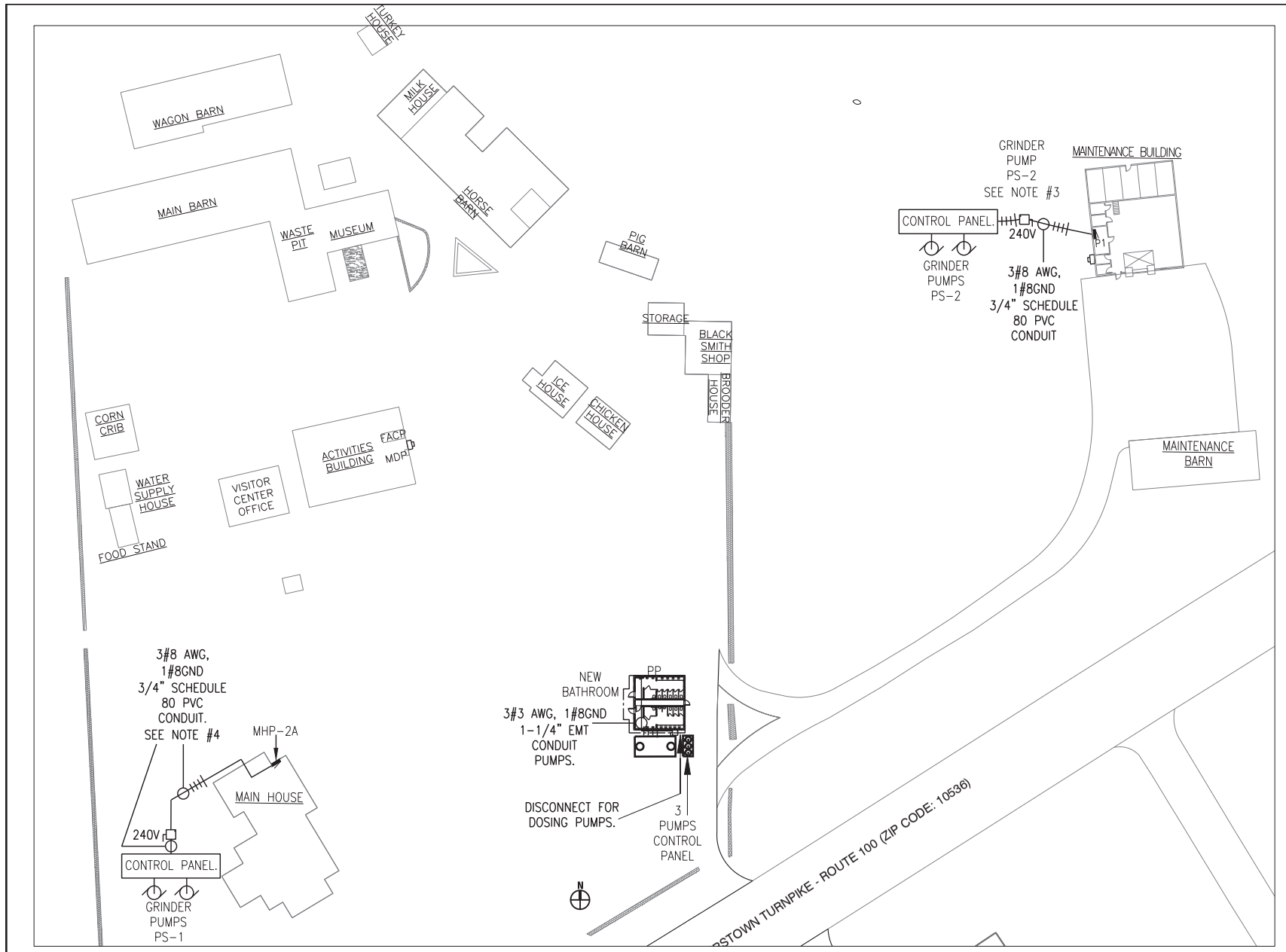
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SIGNATURE
TITLE DATE

IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY MICHAEL DEFONCE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER 20-536
SHEET NUMBER E-1
SHEET NO. 60 OF 62
SCALE: AS SHOWN
DATE: 1/10/23
DPW FILE NO. 91-02-E-78
REV. NO. 0

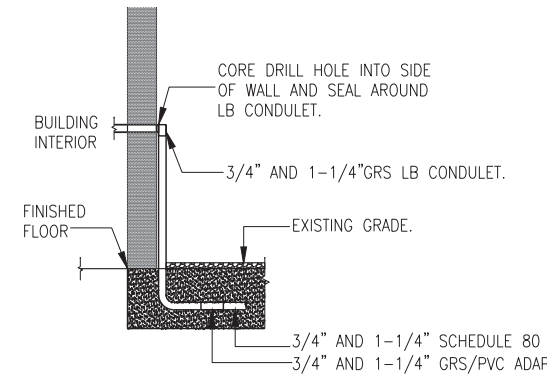
PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM, SOMERS, NEW YORK
BATHROOM ELECTRICAL



1 E-2 **SITE PLAN FOR WASTEWATER ELECTRICAL**
SCALE: 1"=40'

NOTES:

1. ALL ITEMS SHOWN ON DRAWING SHALL BE CONSIDERED NEW AND SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR UNLESS OTHERWISE INDICATED.
2. CONTRACTOR SHALL FURNISH INSTALL ALL NEW LED LUMINAIRES, SWITCHES, AND ALL ASSOCIATED CONDUIT AND WIRE AS SHOWN ON CONTRACT DRAWINGS.
3. CONTRACTOR SHALL COMBINE RECEPTACLE AND OR LIGHTING CIRCUITS IN THE EXISTING P1 PANEL TO MAKE ROOM FOR THE 2-POLE, 240 VOLT, 30 AMP CIRCUIT BREAKER FOR THE #2 GRINDER PUMP. CONTRACTOR SHALL FURNISH AND INSTALL A 2-POLE, 240 VOLT, 30 AMP CIRCUIT BREAKER IN THE EXISTING P1 POWER PANEL TO POWER THE #2 GRINDER PUMP AN ITS CONTROL PANEL.
4. CONTRACTOR SHALL FURNISH AND INSTALL A 2-POLE, 240 VOLT, 30 AMP CIRCUIT BREAKER IN MHP-2A PANEL TO POWER GRINDER PUMP AND ITS CONTROL PANEL.
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL FEEDERS AND BRANCH CIRCUITRY FOR ALL DEVICES. CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING, WIRING, AND ASSOCIATED HARDWARE NECESSARY TO MOUNT PUMPS PER PUMP MANUFACTURES SPECIFICATIONS.
6. CONTRACTOR SHALL FURNISH AND INSTALL NEW SMOKE DETECTORS AND HORN STROBES IN THE BATHROOMS THAT ARE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TESTING AND REPROGRAMMING OF THE EXISTING FIRE ALARM SYSTEM AFTER NEW SMOKE DETECTORS AND HORN STROBES ARE INSTALLED IN THE BATHROOMS. THE CONTRACTOR SHALL COORDINATE ALL FIRE ALARM WORK WITH THE COUNTY FIRE ALARM SERVICE CONTRACTOR (OPEN SYSTEMS METRO INC, MIKE TIANO, (914)241-0057. CONTRACTOR SHALL INCLUDE ALL COSTS IN HIS PRICE.
7. CONTRACTOR SHALL TRACE OUT AND LABEL ALL CIRCUITS BEING WORKED ON PRIOR TO DOING ANY WORK.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, DRILLING AND PATCHING.
9. ALL WORK SHALL COMPLY WITH 2020 NEC AND 2020 NFPA 72 CODES.

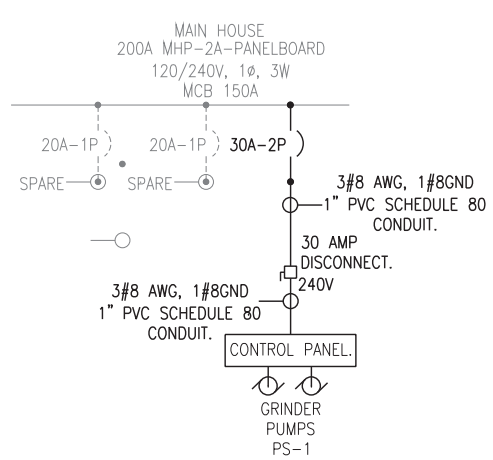


2 E-2 **CONDUIT-WALL PENETRATION AND TRENCH DETAIL**
SCALE: NONE

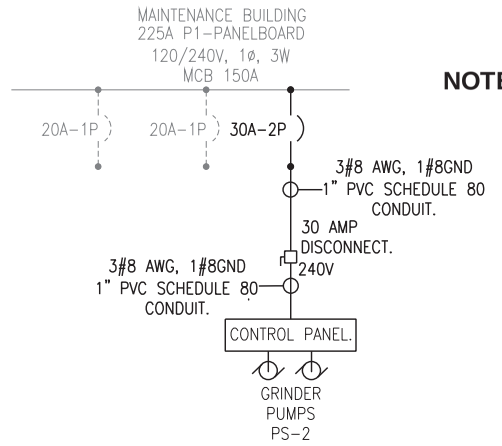
"PP" PANEL

MAIN BUS RATINGS: 225A, 120/240V, 1ø, 3W, PLUS GROUND BUS. MAIN CIRCUIT BREAKER: 225A INTERRUPTING CAPACITY (SYMMETRICAL): 10kA FULLY RATED. BRANCH CIRCUIT BREAKERS INTERRUPTING CAPACITY (SYM): 10kA. ENCLOSURE: NEMA TYPE 4X STAINLESS STEEL, SURFACE MOUNTED. GE A SERIES II LOCATION: NEW BATHROOM

DESCRIPTION	LOAD WATTS	CB AMP	CIR NO.	L1	N	L2	CIR NO.	CB AMP	LOAD WATTS	DESCRIPTION
LIGHTING	210	20 1P	1				2	20 1P	1920	GFI RECEPTACLE WOMENS
GFI RECEPTACLE MENS	1920	20 1P	3				4	25 1P	2000	HOT WATER HEATER
HEATER MENS BATHROOM	3000	20 2P	5				6	20 2P	3000	HEATER WOMENS BATHROOM
			7				8			
EXHAUST FAN	700	20 1P	9				10	20 1P		SPARE
3 PUMPS	19000	100 2P	11				12	20 1P		SPARE
			13				14	20 1P		SPARE
SPACE			15				16			SPACE
SPACE			17				18			SPACE
225A MAIN	FILLER									



3 E-2 **PARTIAL EXISTING AND NEW SINGLE LINE**
SCALE: NONE MAIN HOUSE MHP-2



4 E-2 **PARTIAL EXISTING AND NEW SINGLE LINE**
SCALE: NONE MAINTENANCE BUILDING P1

NOTE: WORK DESCRIBED ON THIS PAGE IS INCLUDED IN: 'BID ITEM': '680.000000WE'

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR
NAME
SIGNATURE
TITLE DATE

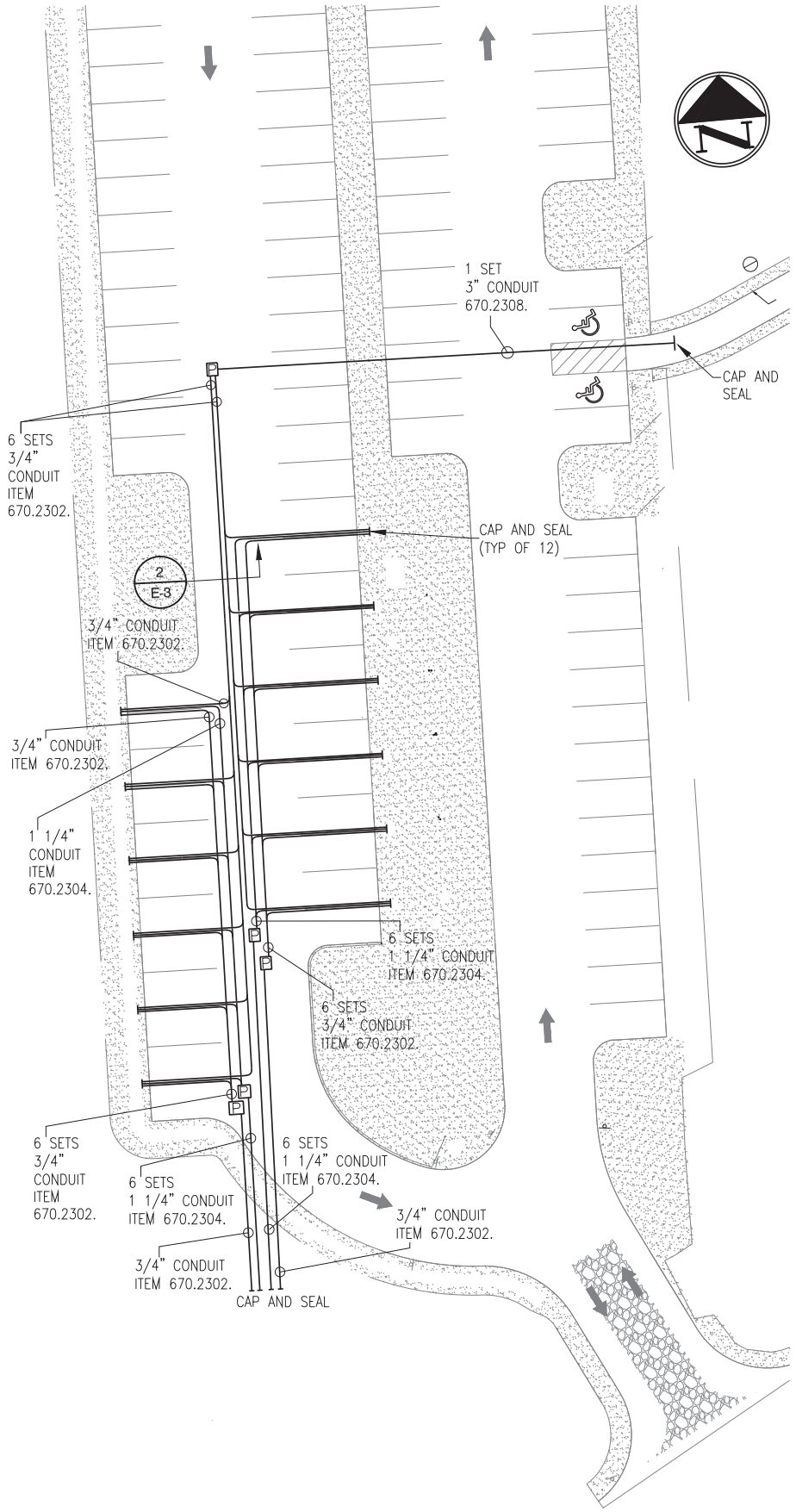
PROJECT COORDINATOR
NAME
SIGNATURE
TITLE DATE

IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY MICHAEL DEFONCE

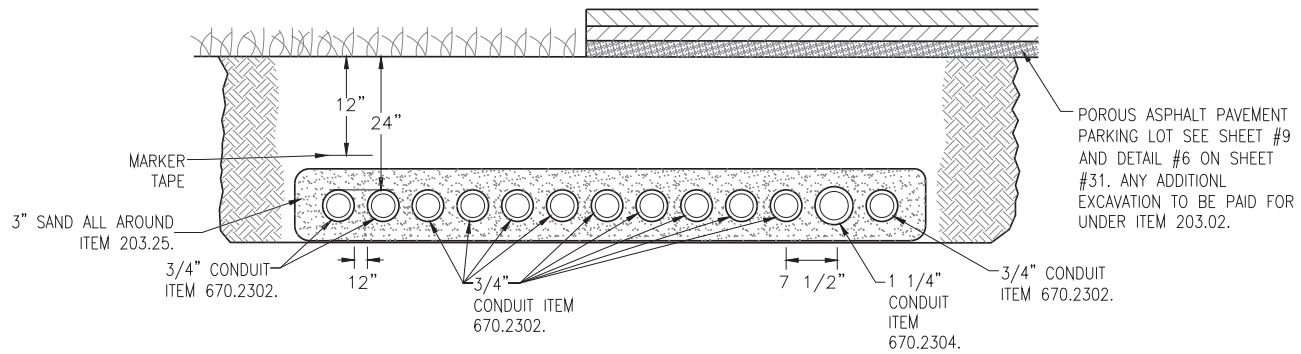
WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE AND SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM, SOMERS, NEW YORK
ELECTRICAL FOR WASTEWATER

CONTRACT NUMBER 20-536
SHEET NUMBER E-2
SHEET NO. 61 OF 62
SCALE: AS SHOWN
DATE: 1/10/23
DPW FILE NO. 91-02-E-79
REV. NO. 0



1 / E-3 CAR CHARGERS PLAN ELECTRICAL
SCALE: 1"=20'-0"



2 / E-3 TRENCH DETAIL
NOT TO SCALE

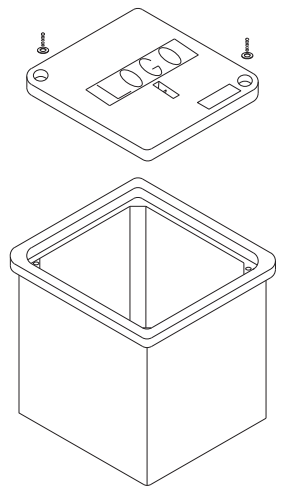
SYMBOLS LIST

P	PULLBOX

ABBREVIATIONS

PVC	POLYVINYL CHLORIDE CONDUIT
EMT	ELECTRICAL METALLIC TUBING
XFMR	TRANSFORMER
RGS	RIGID GALVANIZED STEEL

ALL WORK IS TO BE PROVIDED UNLESS OTHERWISE NOTED



NOTES:

1. HANDHOLES COVERS SHALL BE GASKETED AND NOTED "ELECTRIC" WITH BOLTED COVERS.
2. HANDHOLES SHALL BE OF PRECAST POLYMER CONCRETE CONSTRUCTION.
3. HANDHOLES SHALL BE RATED FOR H20 WHEEL LOADING.
4. ALL HANDHOLES SHALL BE OPEN BOTTOM FOR DRAINAGE.
5. PROVIDE 6" DEEP, 1" CRUSHED STONE BED FOR DRAINAGE.
6. HANDHOLES SHALL BE UL LISTED ELECTRICAL ENCLOSURES.
7. HANDHOLES SHALL BE CONCRETE ENCASED AND MUST CONTAIN A STEEL COVER AS PER MANUFACTURER'S RECOMMENDATIONS.
8. HANDHOLES SHALL BE AS MANUFACTURED BY QUAZITE, TYPE PC.
9. ALL HANDHOLES SHALL BE 30"x30"x30" MINIMUM.
10. ALL HANDHOLES TO BE PAID FOR UNDER ITEM #670.3001

3 / E-3 PULL BOX
SCALE: NONE

REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION

RECORD DRAWING CERTIFICATION

☐ AS BUILT – CHANGES AS NOTED
☐ AS BUILT – NO CHANGES

CONTRACTOR	PROJECT COORDINATOR
NAME	NAME
SIGNATURE	SIGNATURE
TITLE DATE	TITLE DATE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING

CONTRACT NUMBER: 20-536
SHEET NUMBER: E-3
SHEET NO. 62 OF 62

PUBLIC RESTROOM FACILITIES, SEPTIC SYSTEM INFRASTRUCTURE
SITE IMPROVEMENTS
ALFRED B. DELBELLO MUSCOOT FARM, SOMERS, NEW YORK
CAR CHARGER PLAN, PULLBOX AND TRENCH DETAILS

SCALE: AS SHOWN
DATE: 1/11/23
DPW FILE NO. 91-01-E-80-0
REV. NO. 0

IN CHARGE OF GARRY LYNCH
CHECKED BY GARRY LYNCH
MADE BY GABRIELA RIVAS