TETRA TECH
ARCHITECTS & ENGINEERS

Cornell Business + Technology Park
10 Brown Road
Ithaca, New York 14850
Tel. (607) 277-7100
Fax (607) 277-1410

Addendum

Mahopac Central School District
Mahopac, New York

SED NO. 48-01-01-06-6-017-004

Reconstruction to
Mahopac Public Library

Tt Project No. 203788-21001

BID Addendum No. 3
to
Drawings and Project Manual

August 18, 2022

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:
Original DRAWINGS dated December 13, 2021.
PROJECT MANUAL dated December 13, 2021 and BID ADDENDUM NO. 1, dated August 4, 2022. and BID ADDENDUM NO. 2, dated August 11, 2022

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of (3) pages and the following:

ATTACHMENTS

PRE-BID REQUEST FOR INFORMATION QUESTIONS/ANSWERS

NEW PROJECT MANUAL SECTIONS

SECTION 31 25 00 – EROSION AND SEDIMENTATION CONTROLS

PROJECT MANUAL MODIFICATIONS

ITEM 3-C-1: Refer to SECTION 00 01 10 – TABLE OF CONTENTS

1. Division 31, ADD the following:

   "31 25 00 Erosion and Sedimentation Controls"

ITEM 3-C-2: Refer to SECTION 01 12 00 – SUMMARY OF WORK – MULTIPLE PRIME CONTRACTS

1. Paragraph 1.3, A., 2., DELETE in its entirety.

2. Paragraph 1.5, A., 5., ADD the following:

   "z. Protection of Existing Circulation:

      1) The library staff will require at least 48-hour (or more) notice of work in collection areas so the specific collections in the way of construction can be relocated or protected, and so users can be warned which collections will be inaccessible.

      2) All smoking, eating, and drinking is not allowed in work areas. Only trained library staff are to handle books, boxes, and other materials if handling becomes necessary.

      3) The prime contractor is to control dust, grit, and other abrasives as much as possible by constructing temporary barriers (e.g., framing and sheeting), by hanging tarpaulins or drapes over bookshelves and furniture, and by providing between-room or area seals in stack and storage spaces. All such protections must be of fire-retardant materials. Air-handling systems must not be tested unless physical protection for collections is in place, and until obvious particulate residues have been removed. To prevent the migration of dust, such barriers need to include a ceiling and a mechanism for exhausting plaster, sawdust, fumes, etc. out of the building. If compartmentalization is not possible, tarps or drapes may be sufficient to protect collections, which will remain accessible. Routine building clean-up and protection will be required."

3. Paragraph 1.6, DELETE in its entirety

DRAWING MODIFICATIONS - ARCHITECTURAL

ITEM 3-C-3: Refer to DRAWINGS A100 and A101

1. Demolition Key Note 8A, AMEND to read as follows:

   "8A. FOR EFCO STOREFRONT SYSTEM SERIES 403, REMOVE GLAZING GASKET, MULLION CAPS AND GLAZING AS REQUIRED FOR SCHEDULED WORK. FOR EFCO CURTAIN WALL SYSTEM SERIES 5600, REMOVE GLAZING GASKET AND MULLION CAPS AS REQUIRED FOR SCHEDULED WORK. GLAZING TO REMAIN IN PLACE AT CURTAIN WALL LOCATIONS."

ITEM 3-C-4: Refer to DRAWINGS A130 and A131

1. Plan Key Note #3, AMEND to read as follows:

   "3. AT EFCO STOREFRONT SERIES 403, PROVIDE GLAZING BLOCKS AND ANTI-WALK BLOCKS PER MANUFACTURERS RECOMMENDATIONS TO RESET GLAZING AND ADJUST GLAZING AS REQUIRED. PROVIDE GASKETS AND REINSTALL MULLION CAPS AS REQUIRED TO COMPLETE WORK. AT EFCO CURTAIN WALL SERIES 5600, PROVIDE GASKETS AND REINSTALL MULLION CAPS AS REQUIRED TO COMPLETE WORK."

ITEM 3-C-5: Refer to DRAWINGS A200 and A201

1. Detail 1 and 2, note which reads "PROVIDE NEW SETTING BLOCKS AND NEW ANTI-WALK BLOCKS. PROVIDE GLAZING GASKET PER MANUFACTURER'S RECOMMENDATIONS. TYPICAL AT ALL FIXED GLAZING, UNO.", AMEND note to read as follows:

   "AT EFCO STOREFRONT SERIES 403, PROVIDE GLAZING BLOCKS AND ANTI-WALK BLOCKS PER MANUFACTURERS RECOMMENDATIONS TO RESET GLAZING AND ADJUST GLAZING AS REQUIRED. PROVIDE GASKETS AND REINSTALL MULLION CAPS AS REQUIRED TO COMPLETE WORK. AT EFCO CURTAIN WALL SERIES 5600, PROVIDE GASKETS AND REINSTALL MULLION CAPS AS REQUIRED TO COMPLETE WORK."

DRAWING MODIFICATIONS - MECHANICAL

ITEM 3-C-6: Refer to DRAWINGS M050, M130, M131, M132, M133, M134, M500 and M600

1. General Notes, ADD the following:

   "DRAWING NOT IN CONTRACT AND IS PROVIDED FOR REFERENCE ONLY."

END OF ADDENDUM

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INSTRUCTIONS TO BIDDERS
ATTACHMENT #1:
PRE-BID REQUEST FOR INTERPRETATION FORM

SUBMIT FORM BY EMAIL TO INE.MahopacLibrary@tetratech.com

Project No.: 203778-21001 **Date:** August 9, 2022

Project Name: Mahopac Public Library

Bidder Contact Person: Clark Lowe
Bidder Company Name: O'connor Company of North Carolina
Bidder Phone: 817-291-3519
Bidder Email Address: clowe@oconnorconc.com

Question Pertains to:

Drawing Number:
Plan Area:
Room Number:
Drawing Detail Number:
Specification Section:

Question: (Please be specific)

During the job walk, there was significant discussion around "heavy dust control." This item is not noted on drawings that all existing furniture, shelving, books, etc. to remain and heavy dust mitigation is to be used. Also to be noted, contractor is responsible for moving books and shelving (carts to house books to be provided by owner). With this being a significant scope, I believe drawings should have a note reflecting owner intention.

Review by Architect/Engineers: **Responded By:** EHB **Date:** 8/18/2022

Refer to Addendum #3

Submit requests not less than 5 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.

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Question Pertains to:

Drawing Number: A201
Plan Area: Elevations
Room Number: N/A
Drawing Detail Number: N/A
Specification Section: Secion 08 - Windows / Glazing

Question: (Please be specific)

In speaking with the glazers, they are asking about the curtain wall. Is the intent (on those 6 windows) to:
1) Completely remove the windows and replace the the rubber seal on the interior pressure plates, and replace the exterior gascet
2) Leave window in place and replace exterior gascet.

Note: Curtain walls do not have the antiwalk blocks like the other window panes have. Please clarify intent on these windows. There is significant difference in price.

Review by Architect/Engineers: **Responded By:** _____ **Date:** _____

This will be addressed in Bid Addendum #3 Timothy Stevens 8/18/2022

Submit requests not less than 5 working days prior to the specified Bid Opening date and time. In the event that this question requires clarification or modification of the Bidding Documents, such written information can only be provided by formal Addendum, distributed to all plan holders.

SECTION 31 25 00 - EROSION AND SEDIMENTATION CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Erosion, sediment and pollution controls as shown on the Drawings and as directed by the Architect to significantly reduce runoff on downstream properties. This includes temporary control measures to mitigate land disruption by other contractors during construction of this project.

2. Erosion, sediment and pollution control includes, but is not limited to, the following:

   a. Standard control measures such as storm structure protection, silt fence, silt fence and rip rap.
   b. Off site sediment tracking controls.
   c. Seeding, sodding and erosion control fabric.
   d. Rock check dam, sediment trap and detention basin with weir.
   e. Temporary protection for existing vegetation.
   f. Clean up.

3. Comply with the Soil Erosion and Sediment Control (SESC) for this Project in consultation with appropriate local agencies and soil conservation service. *Any local or State Agency requirements are considered part of these specifications.*

1.3 SUBMITTALS, GENERAL:

A. General; Submit all action submittals and informational submittals required by this section concurrently.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product listed.

1. Filter fabric and hardware cloth for storm structure protection.
2. Silt fence and silt fence dikes.
3. Stakes
4. Soil stabilization fabric for off-site sediment tracking control.

5. Channel drain inlet filter matting
6. Drop-In Inlet Protection

B. Material Certificates: Materials certificates showing content/mechanical analysis are required for the following products. Also, provide samples as noted.

1. Granular Backfill: Sample.
2. Granular Base Course Material: Sample.
3. Seeding & sodding.
4. Rip rap.
5. No. 4 stone for off site sediment tracking control.
6. 4,000 psi concrete.

1.5 INFORMATIONAL SUBMITTALS

A. Quality Control Submittals

B. Qualifications Certification: Submit written certification or similar documentation signed by applicable subcontractor, Contractor and manufacturer (where applicable) indicating compliance with applicable "Qualifications" requirements specified below in "Quality Assurance" article.

C. Installer Experience Listing: Submit list of completed projects using products proposed for this Project, including owner's contact and telephone number for each project, demonstrating compliance with applicable "Qualifications" requirements specified below in "Quality Assurance" article.

1.6 QUALITY ASSURANCE

A. Perform erosion, sediment and pollution control in compliance with applicable requirements of the New York Standards and Specifications Erosion and Sediment Control and other governing authorities having jurisdiction.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Handle and store products according to manufacturer's written instructions.

1.8 NOTICES

A. Pre-Construction Conference: Within seven days of start of construction, attend Civil/Structural Preconstruction Meeting. Representatives of all Contractors responsible for earthwork operations are required to attend.

B. When the site has been finally stabilized, Contractor will notify the Architect, in writing, that a final inspection be performed.

C. Pay any fines issued by any agency as a result of non-compliance with the SESC Plans.

1.9 INSPECTIONS AND MAINTENANCE

A. The Architect or qualified personnel of the Owner shall inspect disturbed areas of the construction site. Special attention will be focused on areas not finally stabilized, structural control measures, and locations where vehicles enter or exit the site. Disturbed areas will be inspected for pollutants entering the drainage system. Structural control measures will be reviewed for effectiveness in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site will be inspected for evidence of off-site sediment tracking.

B. Provide timely maintenance of vegetation erosion and sediment control measures, and other protective measures, during construction.

C. Perform corrective measures within three calendar days of the Architect's or Owner's report at no cost to the Owner. Failure by the Contractor to perform corrective work within this schedule automatically authorizes the Owner to hire others and deduct from the Contract Sum the costs incurred by the Owner for the performance of this Work.

PART 2 - PRODUCTS

2.1 STORM SEWER PROTECTION

A. 1/2-inch mesh hardware cloth covered with a polypropylene silt fence fabric (see below).

2.2 SILT FENCE

A. Meet the following criteria unless specific type is shown on plans or Architect accepts the change in criteria.

1. Silt Fence: Polypropylene filter fabric supported by non-pressure treated hardwood posts meeting the following requirements.

Property	Unit	Test Method	Value
Grab Tensile Strength (Machine Direction)	lbs	ASTM D 4632	124 min
Grab Tensile Strength (Cross-Machine Direction)	lbs	ASTM D 4632	124 min
Grab Tensile Elongation	%	ASTM D 4632	15 / 15
Trapezoid Tear Strength	lbs	ASTM D 4533	65 min
Mullen Burst Strength	psi	ASTM D 3786	300 min
Puncture Strength	lbs	ASTM D 4833	60
Ultraviolet Stability (Strength Retained)	%	ASTM D 4355	70
Apparent Opening Size (AOS)	U.S. Sieve	ASTM D 4751	30
Permittivity	sec^{1}	ASTM D 4491	0.10
Coeff of Permeability	CM/Sec	ASTM D 4491	0.005 min
Water Flow Rate	$gal/min/ft^2$	ASTM D 4491	10 min

2. Basis of Design Product: Subject to compliance with requirements provide Tencate Geosynthetics Mirafi 100X fabric or comparable product.

3. Reinforced fence: Fabric backed with 14-1/2 gauge by 6 inch square mesh woven wire. See plans and details for specific locations or requirements.

B. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. DGI Industries.
2. Hanes Geo Components.
3. TenCate Geosynthetics (Mirafi).

2.3 STAKES

A. One of the following:

1. 2-inch by 2-inch nominal by 4-feet long, non-pressure treated hardwood.
2. #4 rebar, 4-feet long min.

B. Maximum post spacing permitted shall be: 8'4" O.C.

2.4 STONE FILTERS

A. Size shown on the plans meeting the requirements of ASTM C33 or State specifications where applicable.

2.5 TEMPORARY SEEDING (unless otherwise shown on Drawings):

A. Minimum Requirements:

1. Lime: 1/2 ton per acre.
2. Fertilizer: Commercial 5-10-10 or equivalent (600 lbs per acre).
3. Seed: Ryegrass (annual or perennial) (40 lbs. per acre).
4. Mulch: Straw at 2 ton per acre.

2.6 STABILIZED CONSTRUCTION ENTRANCE

A. No. 4 stone meeting the following requirements:

Standard ASTM Sieve Size	Percent Passing by Weight
4 inch	100
3 inch	90-100
2 inch	0-15
Passing No. 50	5-10
Passing No. 100	2-5

B. Soil Stabilization Fabric:

1. Stabilization Fabric: Commercially manufactured, UV stabilized low clogging, high flow, woven geotextile meeting the following requirements.

Property	Unit	Test Method	Value
Grab Strength	lbs	ASTMD-4632	315 min
Tensile Strength	lbs/in	ASTMD-4595	175 min
Grab Elongation	%	ASTMD-4632	15 max
Trapezoid Tear	lbs	ASTMD-4533	120 min
Mullen Burst	psi	ASTMD-3786	600 min
Permittivity	/Sec	ASTMD-4491	.05min
Water Flow Rate	gal/min/ft^2	ASTMD-4491	4 min

2. Basis of Design Product: Subject to compliance with requirements provide Tencate Geosynthetics Mirafi 600X fabric or comparable product.

3. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. DGI Industries.
b. Hanes Geo Components.
c. TenCate Geosynthetics (Mirafi).

C. Granular Base Course Material: Shall be as specified in Earth Moving Section.

2.7 CHANNEL DRAIN INLET FILTER MATTING:

A. Latex bonded coir (coconut) fiber matting, 4.0 Ounces per Square-Foot, 1-1/2" thickness.

B. Basis-of-Design product and standard of quality for channel drain inlet filter matting for use in existing and proposed channel drains shall be Natural Fiber Inlet Filter Matting, Item #IF1527X75FTB, by Blocksom & Co., Michigan City, Indiana. Telephone: 800-745-1408. Web: www.blocksom.com

C. Physical Properties: (4-inch wide strip specimen)

1. Fiber Material

a. Latex bonded coir (coconut) fiber matting
b. Nominal 4.0 ounces / square-foot, 1½" thickness.

2. Sediment Control per ASTM D 5141

a. Test Material: Sand sieved through No. 10 sieve
b. Efficiency: 59.1%
c. Minimum flow rate: 150 liters/minute

3. Tensile Properties per ASTM D 5035/ECTC

    a. MD – Maximum Load: 14.6 ppi
    b. TD – Maximum Load: 18.7 ppi
    c. MD – Elongation at Max Load: 19.3%
    d. TD – Elongation at Max Load: 27.7%

4. UV Resistance per ASTM D 4355 – 500 hr exposure

    a. MD – Maximum Load: 10.2 ppi
    b. TD – Maximum Load: 13.8 ppi
    c. MD – Elongation at Max Load: 16.9%
    d. TD – Elongation at Max Load: 16.6%

5. Smolder Resistance (ECTC)

    a. Maximum Burn Distance: 0.29 in

6. Light Penetration (ECTC Guidelines)

    a. Baseline Reading: 125
    b. Reading with Sample: 10
    c. Percentage Light Penetration: < 8%

7. Resiliency per ASTM D 6524

    a. Pre-Loading Thickness: 1943 mils
    b. Post-Loading Thickness: 326 mils
    c. Percentage Change: -83%

8. Swell (ECTC)

    a. Dry Thickness: 1984 mils
    b. Thickness after Soak: 2098 mils
    c. Percentage Change: 6%

9. Water Absorption per ASTM D 1117/ECTC

    a. Pre-Soak Weight: 69 grams
    b. Post-Soak Weight: 152 grams
    c. Weight Change: 82 grams
    d. Percentage Weight Change: 119%

10. Mass/Unit Area per ASTM D 6565

    a. Mass/unit area: 50.89 oz/sq yd
    b. Mass/unit area: 1725 g/sq meter

11. Filter Mat Filter Cable Ties

a. Heavy duty "zip" cable ties provided by filter manufacturer and designed specifically for inlet filter product, and in quantity required for manufacturer recommended installation method.

2.8 DROP-IN INLET PROTECTION:

A. Standard of quality for aftermarket inlet protection for use in existing and proposed catch basin, drop inlets, curb box inlets and storm manholes shall be Flexstorm Inlet Filters, by Inlet and Pipe Protection, Inc., Naperville, Illinois.

1. Description of System:

a. An aftermarket drop-in inlet filter system designed to collect silt and sediment from surface storm water runoff at drainage locations shown on the plans, at existing inlets in pavement where adjacent disturbance will allow sediment runoff to occur, in areas where access to the site dictates their use due to phasing issues, or as directed by the Engineer.

b. An aftermarket drop-in inlet filter system comprised of a corrosion resistant steel frame and a replaceable geotextile sediment bag attached to the frame with a stainless steel locking band. The sediment bag hangs suspended from the rigid frame at a distance below the grate that shall allow full water flow into the drainage structure if the bag is completely filled with sediment.

c. The aftermarket drop-in inlet filter frame includes lifting handles in addition to the standard overflow feature. A proprietary Removal Tool engages the lifting bars or handles to allow manual removal of the assembly without machine assistance. The frame suspension system is adjustable in ½" increments up to 5" per side on rectangular designs should the casting or drainage structure have imperfections.

d. Standard woven polypropylene sediment bags with a typical flow rate of 200 gpm / sq ft.

2. Woven Sediment Bag Material Specifications:

		MARV[2]	
PROPERTY	TEST METHOD	ENGLISH	METRIC
Mechanical			
Tensile Strength (Grab)	ASTM D-4632	255 x 275 lbs	1130 x 1220 N
Elongation	ASTM D-4632	20 x 15 %	20 x 15 %
Puncture	ASTM D-4833	135 lbs	600 N
Mullen Burst	ASTM D-3786	420 psi	2890 kPa
Trapezoidal Tear	ASTM D-4533	40 x 50 lbs	175 x 220 N
Endurance			
UV Resistance	ASTM D-4355	90%	90%
Hydraulic			
Apparent Opening Size (AOS)[3]	ASTM D-4751	20 US Std. Sieve	0.850 mm
Percent Open Area (POA)	CW-02215 Mod.[4]	20%	20%
Permittivity	ASTM D-4491	1.50 sec^{-1}	1.50 sec^{-1}
Water Flow Rate	ASTM D-4491	200 gpm/ft^2	8,145 $l/min/m^2$

3. Tested Filtration Efficiency:

a. All testing performed in general accordance with the ASTM D 7351, *Standard Test Method For Determination of Sediment Retention Device Effectiveness in Sheet Flow Application*, with flow diverted into an area inlet. Test Soil used as sediment had the following characteristics with a nominal 7% sediment to water concentration mix:

Soil Characteristics	Test Method	Value
% Gravel	ASTM D 422	2
% Sand		60
% Silt		24
% Clay		14
Liquid Limit, %	ASTM D 4318	34
Plasticity Index, %		9
Soil Classification	USDA	Sandy Loam
Soil Classification	USCS	Silty Sand (SM)

Tested Efficiencies:

Property	Woven Sediment Bag
Filtration Efficiency	82%

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verification of Conditions: Examine conditions under which soil erosion and sediment control is to be installed notify Architect in writing of any conditions detrimental to proper and timely installation. Do not proceed with installation until unsatisfactory conditions have been corrected in a manner acceptable to Installer.

B. Beginning installation constitutes Contractor's acceptance of substrate and conditions.

3.2 GENERAL EROSION CONTROL

A. Install initial construction erosion control features, as indicated on SESC Drawings and Specifications or as directed by the Architect, prior to topsoil stripping, earthwork, and removal of existing vegetation. Keep the disturbance to a minimum. Install other features as described in the sequence of erosion, sediment and pollution control on the drawings.

B. Minimize amount of bare soil exposed at one time. Cumulative disturbance in excess of one acre requires coverage under NYSDEC SPDES Permit for Construction Activities.

C. Start permanent seeding within seven calendar days of rough grading. When this is not possible, provide temporary seeding of perennial rye grass at the rate of three pounds seed per one thousand square feet. Provide temporary seeding within seven days on non-roof, non-paved areas. When adverse weather conditions prevent good germination, repeat seeding as directed by the Architect until the area is stabilized. Till under temporary grass and fine grade when preparing for final seeding.

D. Until a disturbed area is stabilized, trap runoff sediment by the use of debris basins, sediment basins, silt traps, or other methods acceptable to the Architect and governing authorities. Construct sediment basins to dimensions shown on plans.

E. Place stone filters in accordance with dimensions shown on Drawings. If filters become plugged or partially plugged, remove and replace the stone. Cleaning of stone will only be allowed when method is reviewed by Owner Representative and found acceptable.

F. Provide erosion controls on slopes and swales traversing, bordering, or leaving the site. Limit the water flow to a non-erosive velocity.

G. Do not store fill materials within fifty feet of the banks of any streams or water bodies, intermittent or perennial.

H. Provide temporary protection for Trees and Shrubs as outlined and shown on Drawings and elsewhere in this Section.

I. Inspect erosion and sediment control measures immediately after each rainfall and at least daily during prolonged rainfall. Make required repairs immediately.

J. Remove sediment deposits when they reach approximately one-half of the height of the barrier. Dispose sediment in a manner that does not result in additional erosion or pollution.

K. Provide prompt removal and disposal of rubbish and debris in accordance with the governing authorities.

L. Coordinate temporary erosion and sediment control measures with permanent erosion control features specified elsewhere in the Contract Documents to the maximum extent possible to assure economical, effective, and continuous erosion control.

M. Remove all temporary measures at completion of construction.

3.3 MUNICIPAL SEWER AND WETLAND EROSION CONTROL

A. Control erosion, siltation and pollution to municipal sewers, water bodies and wetlands by taking appropriate measures such as, but not limited to, the following:

1. Prevent petroleum products and excessive amounts of silt, clay, and muck from entering municipal sewers, waters or wetlands of New York State during construction.

2. Prevent fresh concrete, concrete leachate and washings from equipment and trucks, from entering municipal sewers, waters or wetlands of New York State during construction.

3. Place silt fence to control erosion at the down slope edge of disturbed areas. Place this barrier to sediments before disturbance of the ground occurs and maintain in good condition until disturbed land is heavily vegetated or otherwise permanently stabilized.

4. Seed areas of soil disturbance resulting from this Project with appropriate perennial grass seed and mulch with straw within seven calendar days as described in general erosion control. Maintain mulch until a suitable vegetative ground cover is established.

3.4 STORM STRUCTURE PROTECTION

A. As shown on the Soil Erosion and Sediment Control Plans (SESC), provide storm structure protection at each inlet as shown on the detail plan. Clean storm structure protection material after each storm event to permit the fabric and/or drainage stone to work effectively. Remove the drainage material when the site is stabilized and approved by the Architect.

3.5 SILT FENCE

A. Locate in accordance with plans and details and as directed by the Architect. Excavate trench along the lower perimeter(s) of site, along the contract limit line, and as indicated on the Drawings. The placement of silt fence shall consider drainage paths and intercept drainage prior to leaving site or entering storm system. Place excavated material on uphill side of trench for backfilling.

B. Drive stakes securely into the downhill side of the trench. When prefabricated silt fence with fabric attached to stakes is used, drive stakes so that fabric is buried in the ground as detailed.

C. Backfill trench with excavated material, so that fabric is securely buried in the ground to prevent undermining. Tamp soil.

D. Join sections by overlapping fabric between two stakes. Set stakes simultaneously. Overlap by minimum six inches, fold, and staple to prevent sediment bypass.

E. Attach silt fence securely to stakes spaced no more than eight feet on center. Secure fence fabric to stake with minimum three one inch staples.

F. Provide silt fence dikes perpendicular to swale center lines in swales one and one half percent and steeper. Locate dikes at a maximum interval of fifty feet on center unless otherwise shown on drawings.

G. Removal of silt and replacement of silt fence and/or bales shall be on going throughout the duration of the project to maintain an effective silt removing barrier.

3.6 TEMPORARY SEEDING

A. When necessary, provide temporary seeding as described in this Section.

B. Seedbed Preparation:

1. Scarify soil if compacted.
2. Remove debris and obstacles such as rocks and stumps.
3. Apply lime and fertilizer.
4. Apply seed uniformly by mechanical seeder or hydroseeder.
5. Apply straw mulch.

C. Provide permanent seeding as described elsewhere in the Contract Documents.

3.7 OFFSITE SEDIMENT TRACKING CONTROLS

A. Stabilization Blanket: Install as necessary or as detailed and shown on Drawings to eliminate tracking sediment off site. Inspect after each rain storm and at least one time per week. When sediment begins tracking off site, immediately replace stone with clean No. 4 stone to retain sediment on site. Remove fabric and stone at project completion. Complete construction of proposed final surface(s).

3.8 CHANNEL DRAIN INLET FILTER MATTING

A. Install channel drain inlet matting per manufacturer’s installation requirements.

B. Cut matting if necessary to allow minimum 3” overlap at each side of the grate. Attach the mat to the topside of the inlet grate using cable ties.

C. Clean silt from around channel inlet matting following each rain event and as required by the Soil Erosion and Sediment Control plans and specifications, and as dictated by the Storm Water Pollution and Prevention Plan (SWPPP). Sweep the top of mat to clear built-up silt and solids, and dispose of. Do NOT allow accumulated sediment to enter the inlet.

3.9 DROP-IN INLET PROTECTION

A. Install channel drain inlet matting per manufacturer's installation requirements.
B. Clean silt from filter bag following each rain event and as required. Do NOT allow accumulated sediment to enter the inlet.

3.10 CLEANING

A. During the Contract and at intervals as directed by the Architect and as erosion, sediment and pollution control procedures are completed, clear the site of extraneous materials, rubbish, and debris. Leave the site in a clean, safe, well draining, and neat condition.

B. Clean storm ponding areas, catch basins, detention basins, and Oil and Grit Separator(s): Clean out contaminants, sediment, rubbish, construction debris, foreign objects and accumulated floatables from chambers and ponding areas thoroughly, immediately prior to final acceptance.

END OF SECTION 31 25 00