

Shandaken Tunnel Intake Chamber Improvements, General

<u>Category:</u>	Dams and Canals	<u>Project ID #:</u>	1004255740
<u>Street Address:</u>	Multiple Locations Flushing NY 11373	<u>Confirmed Value</u>	\$44,269,000.00
<u>County:</u>	Queens	<u>Stage:</u>	BIDDING - Bid Date Set
<u>Bid Date:</u>	6/1/2017 , 11:30AM		
<u>Architect:</u>			
<u>Documents Available:</u>	Plans, Specs, Addenda available in Insight	Plans available from City of New York Department of Environmental Protection/Water Supply (NYCDEP)	
<u>Last Update:</u>	5/24/2017	Additional Documents - Planholders List were Added/Updated	

Notes

- Scope Site work and renovation of a water / sewer project in Flushing, New York. Completed plans call for the renovation of a water / sewer project; and for site work for a water / sewer project. Shandaken Tunnel Intake Chamber Improvements, Electrical Cat-212d-e,-82617b0016 Shandaken Tunnel Intake Chamber Improvements, Hvac Cat-212d-h,-82617b0023 Shandaken Tunnel Intake Chamber Improvements, Plumbing Cat-212d-p -82617b0021 10 percent M/WBE Subcontracting Last day for questions, 2/10/17, email Agency Contact. Temporary Site Access form is required, email form to Emory Chase, EChase@dep.nyc.gov The procurement is subject to participation goals for MBEs and/or WBEs as required by Local Law 1 Please be advised this contract is subject to Apprenticeship Program Questionnaire
- Notes Pre-Bid Meeting: 01/31/2017 10:00AM At Gilboa Trailer, 368 State Route 990V, Town of Gilboa, Schoharie County, NY 12076 Bid Date: 06/01/2017 11:30AM Project is been rebid. BD/ T changed from 03/08/2017, Environmental Protection (DEP) 59-17 Junction Boulevard, 17th Floor Bid Room, Flushing, NY 11373 Development include(s): Renovation, Site Work
- Details [Division 2]: Building Demolition, Hazardous Material Abatement, Clearing, Dewatering, Shoring, Underpinning, Grading, Slope Protection & Erosion Control, Piles & Caissons, Marine Work, Paving & Surfacing, Water Systems, Sewerage & Drainage, Landscaping. [Division 3]: Concrete Formwork, Concrete Reinforcement, Structural Concrete, Architectural Concrete, Structural Precast Concrete, Concrete Restoration & Cleaning. [Division 4]: Clay Unit Masonry, Concrete Unit Masonry, Stone. [Division 5]: Structural Steel, Metal Fabrications, Metal Railings. [Division 6]: Rough Carpentry, Finish Carpentry, Architectural Woodwork. [Division 7]: Waterproofing, Dampproofing, Insulation, Fireproofing, Shingles. [Division 8]: Metal Doors, Sectional Overhead Doors, Entrances & Storefronts, Metal Windows, Hardware, Glass & Glazing. [Division 9]: Ceiling Suspension Systems, Lath & Plaster, Stucco, Drywall/Gypsum, Tile, Acoustical Ceilings, Acoustical Walls, Resilient Flooring, Painting. [Division 10]: Louvers & Vents, Directories, Interior Signs, Lockers, Protective Covers, Postal Specialties, Partitions, Storage Shelving, Toilet & Bath Accessories. [Division 11]: Water Supply/Treatment Equipment, Fluid Waste Treatment/Disposal Equipment. [Division 12]: Window Treatment, Furniture, Rugs & Mats. [Division 13]: Ground Storage Tanks. [Division 14]: Elevators, Material Handling Systems, Hoists & Cranes. [Division 15]: Mechanical Insulation, Plumbing Piping, Plumbing Fixtures, Water Heaters, Steam & Steam Condensate Piping, Boilers, Furnaces, Cooling Towers, Air Handling, Ductwork. [Division 16]: Service/Distribution, Interior Lighting, Exterior Lighting, Emergency Lighting, UPS Systems, Standby Power Generator Systems, Lightning Protection Systems, Alarm & Detection Systems, Electric Heating Cables & Mats.

Additional Details

<u>Listed On:</u>	1/21/2017	<u>Floor Area:</u>	
<u>Contract Type:</u>		<u>Work Type:</u>	Alteration
<u>Stage Comments 1:</u>		<u>Floors Below Grade:</u>	
<u>Stage Comments 2:</u>		<u>Owner Type:</u>	State/Provincial
<u>Bid Date:</u>	6/1/2017	<u>Mandatory Pre Bid Conference:</u>	
<u>Invitation #:</u>	82617B0022, 82617B0016, 82617B0023,CAT-212DP	<u>Commence Date:</u>	7/21/2017
<u>Structures:</u>	2	<u>Completion Date:</u>	7/10/2021
<u>Single Trade Project:</u>		<u>Site Area:</u>	
<u>Floors:</u>		<u>LEED Certification Intent:</u>	
<u>Parent Project ID:</u>		<u>Units:</u>	
<u>Parking Spaces:</u>			

Project Participants

Company Role	Company Name	Contact Name	Address	Phone	Email	Fax
Civil Engineer, Owner	City of New York Department of	Donald L. Cordell	59-17 Junction Blvd., Flushing, NY 11373	(718) 595-3236		(718) 595-6137

Environmental
Protection/Water
Supply (NYCDEP)

Structural Engineer	Hazen and Sawyer, P.C. - Corporate Headquarters	Edward McMurray	498 Seventh Ave 11th Floor, New York, NY 10018	(212) 777-8400		(212) 614-9049
Civil Engineer, Owner	City of New York Department of Environmental Protection/Water Supply (NYCDEP)	Fabian Heras	59-17 Junction Blvd., Flushing, NY 11373	(718) 595-3265	fheras@dep.nyc.gov	(718) 595-6137

Bidders

Company Name	Added Date	Address	Phone	Email	Bidding Role	Bid Rank	Bid Value	Fax Number
E.J. Electric Installation Company	5/22/2017	46-41 Vernon Blvd., Long Island City, NY 11101	(718) 786-9400	ejelectric@ej1899.com	Prospective Bidder - General Contractor			(718) 937-9120
Mass Electric Construction (MEC) Co. - New York-Massachussetts	5/22/2017	470 Chestnut Ridge Road 1st Fl., Woodcliff Lake, NJ 07677	(201) 571-2613	mdebois@masselc.com	Prospective Bidder - General Contractor			(201) 930-4930

Planholders

Company Name	Address	Phone	Email	Fax
Global Diving & Salvage Inc.	3840 W Marginal Way SW , Seattle, WA 98106	(206) 623-0621	rgowdy@gdiving.com	(206) 932-9036
Ecco III Enterprises, Inc	201 Saw Mill River Rd , Yonkers, NY 10701	(914) 963-3600		(914) 963-3989
Lupini Construction, Inc.	6081 Trenton Road , Utica, NY 13502	(315) 736-8397		(315) 736-8809
Mid-State Industries, Ltd.	1105 Catalyn St. , Schenectady, NY 12303	(518) 374-1461	info@midstateltd.com	(518) 381-6820
Stilsing Electric Inc	555 South St , Rensselaer, NY 12144	(518) 463-4451		(518) 463-7023
Yonkers Contracting Company	969 Midland Ave. , Yonkers, NY 10704	(914) 965-1500	procurement@yonkerscontractingco.com	(914) 378-8885
Jett Industries, Inc.	P.O. Box 219 Route 7, Colliersville, NY 13747	(607) 433-2100		(607) 433-2430
AJS Masonry	2 Dunsbach Road , Clifton Park, NY 12065	(518) 371-6737		(518) 371-7203
Durr Mechanical Contractor Inc.	80 Eighth Avenue , New York, NY 10011	(212) 627-1313		(212) 633-8627
Debrino Caulking Associates	1304 Route 9 , Castleton, NY 12033	(518) 732-7234	lphoughtaling@debrino.com	(518) 732-2281
Tully Construction Company Inc.	127-50 Northern Blvd. , Flushing, NY 11368	(718) 446-7000		(718) 446-6072
Marine Technologies, Inc.	6604 Fort Smallwood Road , Baltimore, MD 21226	(410) 355-2000	info@marinetechnologiesinc.com	(410) 355-0025
P & K Contracting	225 Jericho Turnpike , Floral Park, NY 11001	(516) 775-5659		(516) 775-0399
BSB Construction - Albany Office	1177 Central Avenue , Albany, NY 12205	(845) 462-5236	info@bsbconstructioninc.com	(845) 471-1288
Coppola Services	28 Executive Parkway , Ringwood, NJ 07456	(800) 274-6279		(973) 962-9112
Hohl Industrial Services	770 Riverview Blvd. Ste. 1, Tonawanda, NY 14150	(716) 332-0466		(716) 332-0467
Northeast Remsco Construction	1433 Highway 34 South Building B, Farmingdale, NJ 07727	(732) 557-6100	info@northeastremSCO.com	(732) 736-8904
Schiavone Construction Co. Inc.	150 Meadowlands Parkway Suite 3, Secaucus, NJ 07094	(856) 691-7455	eroehrig@schiaivone.net	(201) 864-3196
Halmar International	421 East Route 59 , Nanuet, NY 10954	(845) 735-3511	clarsen@halmarinternational.com	(845) 735-3388
E.E. Cruz & Company, Inc.	32 Avenue of the Americas 13th Floor, New York, NY 10013	(212) 431-3993	jmckenn@eecruz.com	(732) 431-3396
Ballard Marine Construction	727 South 27th Street , Washougal, WA 98671	(360) 695-5163	info@BallardMC.com	(360) 954-5539
The Wesson Group LLC	55 East Main St. Ste. 210.	(518) 762-	info@twa.us.com	(518) 691-

	Johnstown, NY 12095	5382		9291
PCC Contracting, Inc.	1861 Chrisler Avenue , Schenectady, NY 12303	(518) 785- 8000	mlock@pcccontracting.com	(518) 631- 0040
D.A. Collins Construction Companies	269 Ballard Road , Wilton, NY 12831	(518) 664- 9855	dcaestimating@dacollins.com	(518) 664- 0925
Oscar Renda Contracting	608 Henrietta Creek Road , Roanoke, TX 76262	(817) 293- 4263	orc@oscarrendacontracting.com	(817) 491- 1627
Titan Roofing, Inc. - Albany Office	32 Railroad Avenue , Albany, NY 12205	(518) 235- 1707		(518) 235- 1753
National Reproductions, Inc	44 West 18th Street , New York, NY 10011	(212) 366- 7000		(212) 386- 7143
Tri-City Scaffold Inc	282 Panas Road , Delanson, NY 12053	(518) 895- 2587	info@tricityscaffold.com	(518) 895- 8814

Contracts

Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor		Bid:5.00%,Perf:100.0 0%,Pay:100.00%	6/1/2017	Owner	Open Bidding

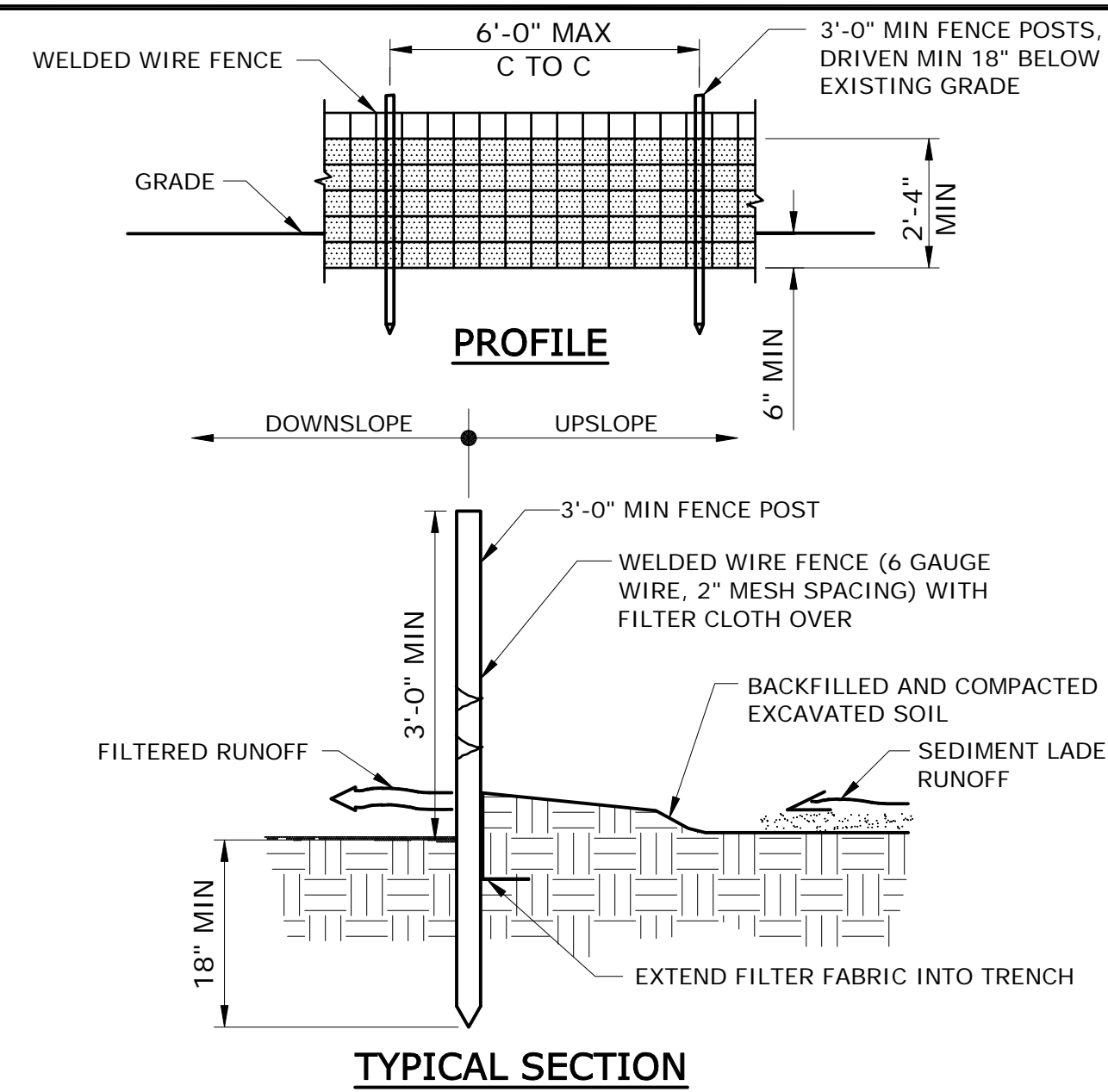
History

User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Adam Sweet	True	1/23/2017	True	5/24/2017

SOIL EROSION & SEDIMENT CONTROL NOTES:

- DUE TO THE NATURE OF THE WORK REQUIRED BY THIS CONTRACT, IT IS ANTICIPATED THE LOCATION AND NATURE OF EROSION AND SEDIMENT CONTROL MEASURES WILL BE ADJUSTED AS CONSTRUCTION PROGRESSES TO REFLECT THE CURRENT PHASE OF WORK. THE CONSTRUCTION SCHEDULE ADOPTED BY THE CONTRACTOR WILL IMPACT THE PLACEMENT AND NEED FOR SPECIFIC DEVICES REQUIRED FOR THE CONTROL OF EROSION. THE LOCATION AND EXTENT OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REVISED AT EACH PHASE OF CONSTRUCTION RESULTING IN A CHANGE OF EITHER THE QUANTITY OR DIRECTION OF SURFACE RUNOFF FROM THE CONSTRUCTION AREAS. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE AT THE CONCLUSION OF THE PROJECT.
- CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FROM THE ENGINEER, OWNER, AND REGULATORY AGENCIES FOR DEVIATIONS FROM THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- NO LAND DISTURBANCE, DEMOLITION OR CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING, BUT NOT LIMITED TO, SILT FENCING, INLET PROTECTION, TEMPORARY DIVERSIONS, AND TREE PROTECTION HAVE BEEN INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS. IF CLEARING IS REQUIRED FOR INSTALLATION OF A PARTICULAR MEASURE, ALL MEASURES NOT REQUIRING CLEARING SHALL BE INSTALLED FIRST. CLEARING OF THE NECESSARY LAND FOR INSTALLATION OF THE PARTICULAR MEASURE MAY THEN PROCEED.
- CLEARING SHALL BE LIMITED AS MUCH AS POSSIBLE TO AREAS REQUIRED FOR CURRENT CONSTRUCTION ACTIVITIES. MASS CLEARING AND GRADING SHALL BE AVOIDED.
- A) ALL EROSION CONTROL MEASURES SHALL BE INSPECTED BY A QUALIFIED INSPECTOR WITHIN 24 HOURS FOLLOWING EVERY RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY SEVEN CALENDAR DAYS.
B) ALL EROSION CONTROL MEASURES SHALL BE INSPECTED BY A QUALIFIED INSPECTOR WITHIN 24 HOURS FOLLOWING EVERY RAINFALL BUT IN NO CASE LESS THAN TWICE EVERY SEVEN CALENDAR DAYS. THE TWO INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY AS REQUIRED TO MAINTAIN PERFORMANCE OF MEASURE. MEASURES SHALL BE CLEANED WHEN SEDIMENT VOLUME REACHES 1/2 OF TOTAL VOLUME OF MEASURE. REMOVED SEDIMENT SHALL BE DISPOSED OF IN SUCH A MANNER AND LOCATION AS TO INSURE FURTHER SEDIMENT TRANSPORT DOES NOT OCCUR.
- CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS PRACTICABLE ON STOCKPILES AND IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. THIS REQUIREMENT DOES NOT APPLY IN THE FOLLOWING INSTANCES:
A) WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASED IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE;
B) WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN FOURTEEN (14) DAYS, TEMPORARY STABILIZATION MEASURES NEED NOT BE INITIATED ON THAT PORTION OF THE SITE.
- ROCK CHECK DAMS, IF REQUIRED, SHALL BE CONSTRUCTED DURING THE FIRST PHASE OF MOBILIZATION AND SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ACHIEVED.
- ALL DISTURBED AREAS SHALL DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBANCE ACTIVITIES AND UNTIL FINAL STABILIZATION IS ACHIEVED. SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING, OR OTHER ACTIVITIES SHALL BE PUMPED INTO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, OR CATCH BASIN.
- SOIL STOCKPILE AND LAYDOWN AREAS SHALL HAVE PERIMETER SEDIMENT CONTROL MEASURES AND TEMPORARY OR PERMANENT STABILIZATION MEASURES INSTALLED AS SOON AS POSSIBLE AND AT COMPLETION OF STOCKPILING AND LAYDOWN ACTIVITIES. STOCKPILE SIDE SLOPES SHALL NOT EXCEED 3H : 1V UNLESS APPROVED BY ENGINEER. TOP OF STOCKPILE SHALL BE GRADED WITH A MINIMUM 5% SLOPE TO INSURE PROPER DRAINAGE.

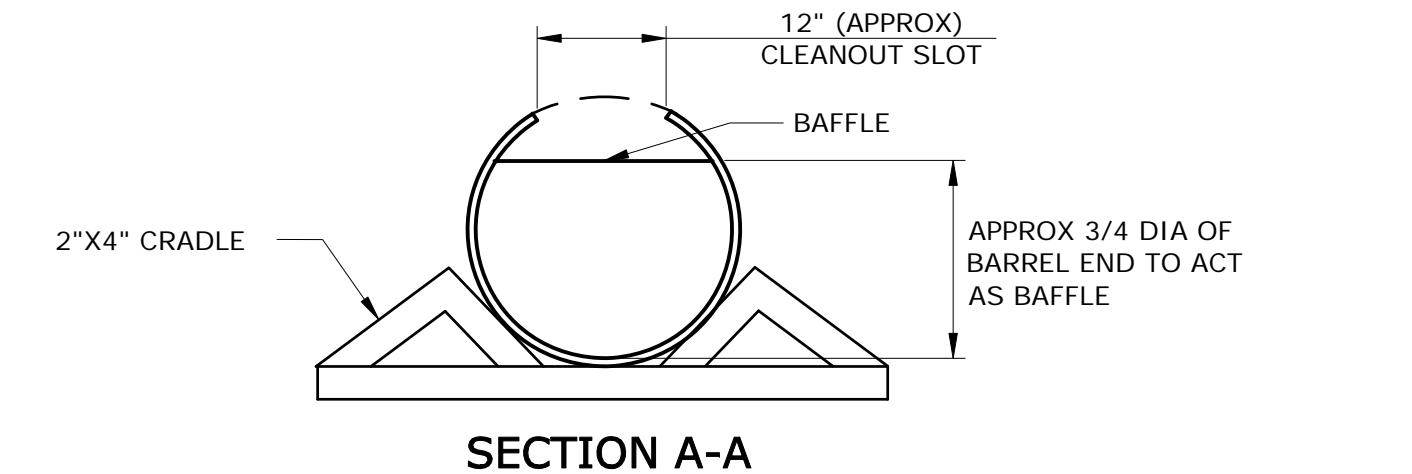
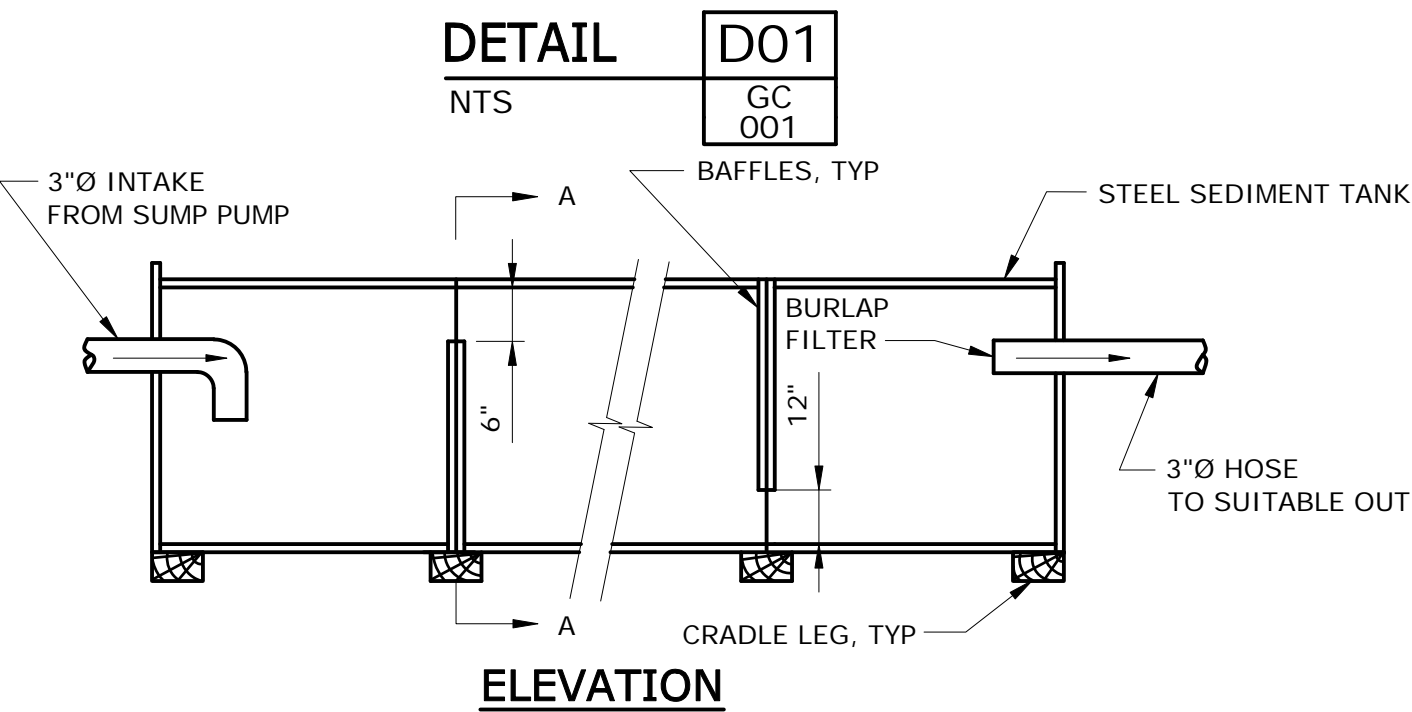
- ALL DISTURBED AREAS, EXCEPT FOR CONCRETE AND PAVED AREAS, SHALL BE FERTILIZED, SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE SEEDING SCHEDULE, AND RE-SEEDED AS NECESSARY, TO ESTABLISH AND MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE PROTECTED TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED OFFSITE ROADWAYS. IF MATERIAL IS TRACKED ONTO OFFSITE ROADWAYS, IT SHALL BE REMOVED IMMEDIATELY. DO NOT UTILIZE A WATER HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT CONTROL DEVICE. PROPER PRECAUTIONS SHALL BE TAKEN TO ENSURE THAT MATERIALS DEPOSITED ONTO OFFSITE ROADWAYS ARE REMOVED SO THAT THEY DO NOT ENTER YARD INLETS, CATCH BASINS, SEWERS, WETLANDS, SURFACE WATER BODIES, OR ROADSIDE SWALES.
- WHERE CONCRETE EQUIPMENT WASHING IS REQUIRED, THIS MUST BE DONE IN AN APPROVED "CONCRETE CONTAINMENT AREA". CONTRACTOR SHALL NOT DISCHARGE ANY CONCRETE WASHOUT WATER INTO SEWERS, SURFACE WATER BODIES OR ONTO THE GROUND. ALL WASHOUT WATER MUST BE REMOVED FROM THE SITE(S) DAILY.
- EARTHEN-MATERIAL STOCKPILES MUST BE LOCATED A MINIMUM OF 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE.
- DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION, AND OTHER WASTES MUST BE LOCATED A MINIMUM OF 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES ARE AVAILABLE.
- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", 2005, OR LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- STAGING AREA, STOCKPILES, AND OTHER STORAGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND LOCATED OFFSITE. EXCAVATED SPOILS SHALL BE TRANSPORTED IN A SEALED/WATERTIGHT CONTAINER AND DISPOSED OF OFFSITE AT AN APPROVED FACILITY.
- SEEDING DATES: THE FOLLOWING SEEDING DATES ARE BEST RECOMMENDED TO ESTABLISH PERMANENT VEGETATIVE COVER WITHIN MOST LOCATIONS IN : SPRING - 4/1-6/1 AND FALL - 9/1 - 10/15
- PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES. DO NOT UTILIZE A FIRE OR GARDEN HOSE TO CLEAN ROADS UNLESS THE RUNOFF IS DIRECTED TO A PROPERLY DESIGNED AND FUNCTIONING SEDIMENT CONTROL DEVICE. WATER PUMPED OUT OF THE EXCAVATED AREAS CONTAINS SEDIMENTS THAT MUST BE REMOVED PRIOR TO DISCHARGING TO RECEIVING BODIES OF WATER USING REMOVABLE PUMPING STATIONS, SUMP PITS, PORTABLE SEDIMENTATION TANKS AND/OR SILT CONTROL BAGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, PERMITTING, AND OPERATION OF A DEWATERING SYSTEM AS REQUIRED FOR THE COMPLETION OF THE WORK. PROCEDURES FOR DEWATERING INCLUDING ASSOCIATED EROSION AND SEDIMENT CONTROL PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO ANY EARTHWORK OPERATIONS. ALL WATER REMOVED BY DEWATERING OPERATIONS SHALL BE DISPOSED OF IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, 2005, OR LATEST EDITION. CONTRACTOR MAY USE PORTABLE SETTLING TANK OR OTHER APPROVED METHOD TO SETTLE DEWATERING FLOW OF SEDIMENT BEFORE DISCHARGE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE, PERMANENT VEGETATION IS ESTABLISHED ON ALL DISTURBED AREAS, AND LOCAL AUTHORITIES HAVE GIVEN PERMISSION FOR REMOVAL.
- CONTRACTOR SHALL APPLY SOIL RESTORATION REQUIREMENTS IN ACCORDANCE WITH THE LATEST REVISION TO NYSDEC STORMWATER DESIGN MANUAL AND PER NYSDEC'S DEEP RIPPERING AND DE-COMPACTION, 2008.



NOTES:

- WELDED WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. POSTS SHALL BE STEEL, EITHER "T" OR "U" TYPE, OR HARDWOOD.
- FILTER CLOTH TO BE FASTENED SECURELY TO WELDED WIRE FENCE WITH TIES SPACED EVERY 12" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED REGULARLY AND MATERIAL REMOVED WHEN BULGES DEVELOP IN SILT FENCE, OR AS REQUIRED BY THE ENGINEER.

SILT FENCE



NOTES:

- CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
- ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE, AN APPROVED LOCATION IN WHICH FURTHER SEDIMENT TRANSPORT WILL NOT OCCUR OR AS APPROVED BY THE INSPECTOR.
- PORTABLE SEDIMENT TANK SHALL BE AN ABOVE GROUND HORIZONTAL SINGLE-WALL UL-142 MANUFACTURED BY HIGHLAND TANK OR WEIR BOX MANUFACTURED BY RAIN FOR RENT OR EQUIVALENT AS APPROVED BY THE ENGINEER.

PORTABLE SEDIMENT TANK

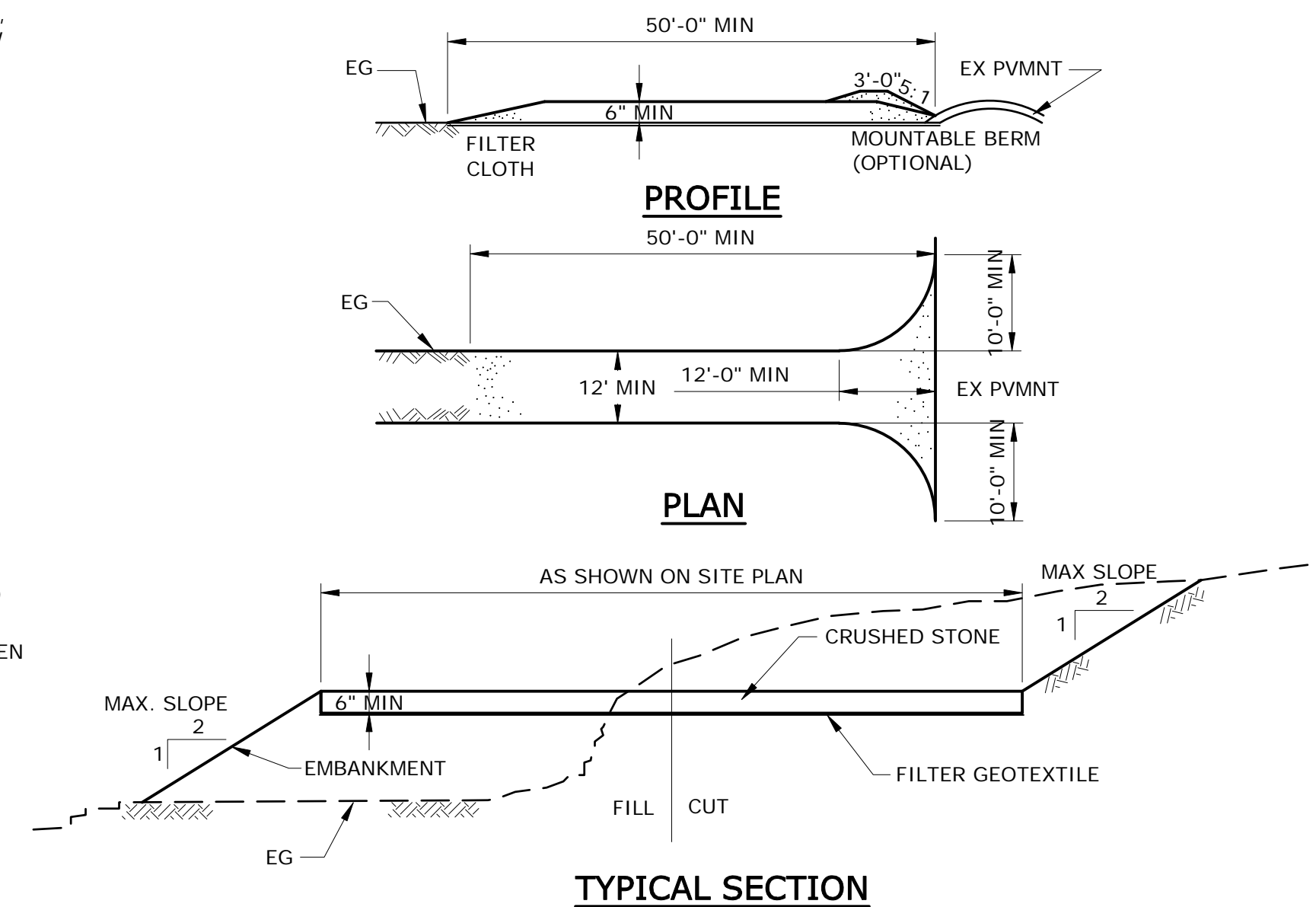


GENERAL CONSTRUCTION SEQUENCE

- FILE NEW YORK STATE DISCHARGE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) NOTICE OF INTENT (NOI) WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC), AS NOTED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AT LEAST 5 DAYS PRIOR TO BEGINNING ANY LAND CLEARING OR CONSTRUCTION ACTIVITIES. PRIOR TO CONSTRUCTION, BEGIN IMPLEMENTATION AND DOCUMENTATION OF SWPPP AS REQUIRED BY SPDES CONSTRUCTION STORMWATER PERMIT.
- PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD WITH THE OWNER, CONTRACTOR, AND BWS STAFF PRESENT. BY THE TIME OF THE PRE-CONSTRUCTION CONFERENCE, THE APPLICANT SHALL HAVE PROVIDED LOCATIONS OF OFF-SITE MATERIAL, WASTE, AND/OR BORROW AREAS.
- NO CONSTRUCTION OR LAND DISTURBANCE ACTIVITIES MAY BEGIN UNTIL ALL PERIMETER EROSION CONTROL MEASURES HAVE BEEN INSTALLED AS SHOWN ON THE CONTRACT DRAWINGS. MEASURES SHALL INCLUDE TEMPORARY DIVERSION SWALES, SILT FENCING, AND TURBIDITY CURTAINS. IF CLEARING IS REQUIRED FOR INSTALLATION OF A PARTICULAR MEASURE, ALL MEASURES NOT REQUIRING CLEARING SHALL BE INSTALLED FIRST. CLEARING OF THE NECESSARY LAND FOR INSTALLATION OF THE PARTICULAR MEASURE MAY THEN PROCEED.
- ONCE ALL MEASURES HAVE BEEN INSTALLED, SITES SHALL BE CLEARED AND GRUBBED WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE CONTRACT DRAWINGS.
- ONCE CLEARING AND GRUBBING IS COMPLETE, TOPSOIL SHALL BE STRIPPED AND STOCKPILED ONSITE AS CONDITIONS ALLOW. INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE AND SEED WITH TEMPORARY SEEDING MEASURES DURING CONSTRUCTION ACTIVITIES.
- EARTHWORK OPERATIONS CAN BEGIN ONCE TOPSOIL HAS BEEN REMOVED AND STOCKPILED.
- UPON COMPLETION OF THE NECESSARY CLEARING AND GRUBBING, CONSTRUCTION MAY PROCEED WITH ROADWAY, UTILITIES, AND STRUCTURES.
- ALL EXCESS SOIL RESULTING FROM EARTHWORK OPERATIONS NECESSARY FOR CONSTRUCTION SHALL BE REMOVED FROM SITE OR STOCKPILED ON SITE AS CONDITIONS

ALLOW ANY ONSITE SOIL STOCKPILE AREAS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES AND SEEDED WITH TEMPORARY SEEDING MEASURES OR OTHER TEMPORARY SOIL STABILIZATION FOR THE DURATION OF CONSTRUCTION ACTIVITIES. ANY SOILS TAKEN OFFSITE SHALL BE STOCKPILED AT LOCATIONS WITH ALL REQUIRED PERMITS.

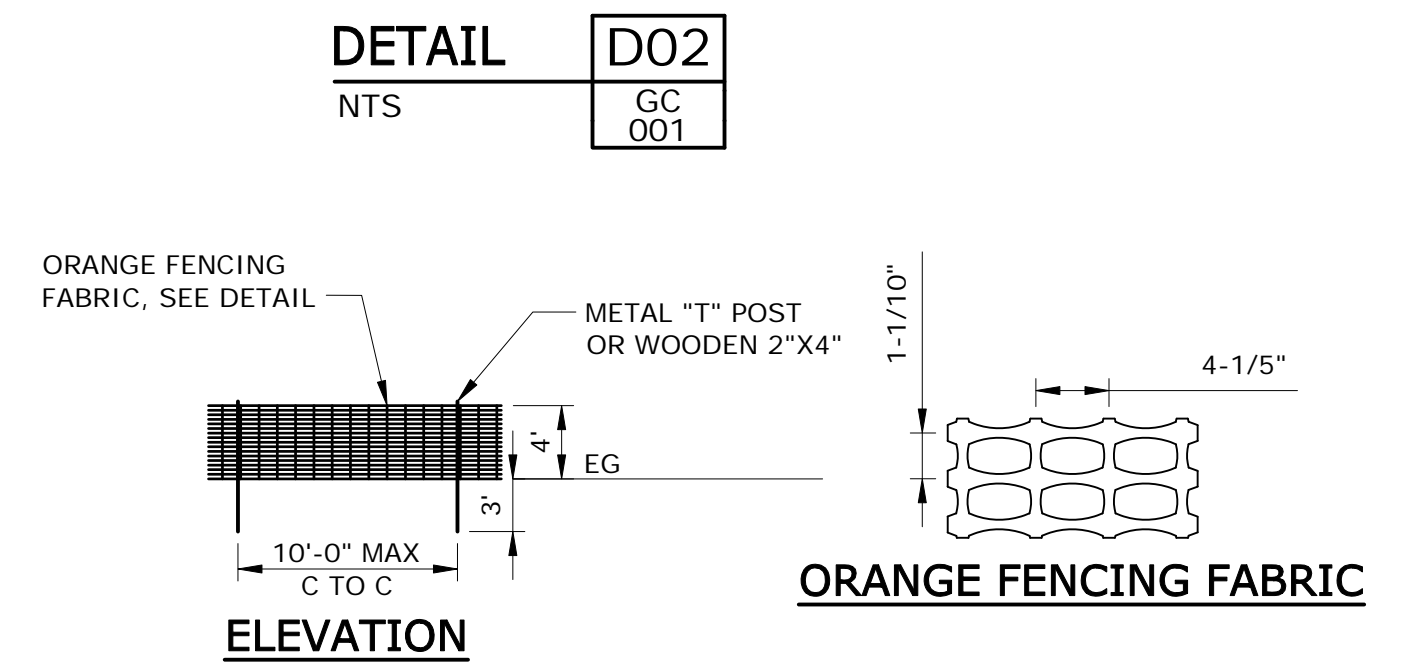
- STORM DRAINAGE INLETS AND OUTLETS SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES UNTIL ENTIRE SITE HAS BEEN STABILIZED. RIPRAP OUTLET PROTECTION PADS SHALL BE INSTALLED AT THE LOCATIONS AND TO THE DIMENSIONS SHOWN ON THE CONTRACT DRAWINGS AS SOON AS EACH STORM DRAIN PIPE RUN IS COMPLETE.
- TEMPORARY SEEDING MEASURES SHALL BE EMPLOYED THROUGHOUT CONSTRUCTION ON ANY AREAS WHERE GRADING WORK HAS CEASED FOR MORE THAN 15 DAYS.
- UPON COMPLETION OF FINAL GRADING, EROSION CONTROL MATTING PERMANENT SEEDING, MULCHING AND FERTILIZING MEASURES SHALL BE EMPLOYED ON ALL DISTURBED AREAS AS PER SPECIFICATION SECTION 02910 - FINAL GRADING AND LANDSCAPING. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ENTIRE SITE HAS BEEN STABILIZED.
- ONCE PERMANENT STABILIZATION HAS OCCURRED, TEMPORARY SEDIMENT CONTROL MEASURES MAY BE REMOVED. ANY AREAS DISTURBED BY THE REMOVAL OF THESE MEASURES SHALL BE RETURNED AS CLOSELY AS POSSIBLE TO ORIGINAL CONDITION AND SEEDED, MULCHED AND FERTILIZED AS PER SPECIFICATION SECTION 02910 PLANTINGS AND 02920 SOIL MIXES.



NOTES:

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 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.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ENTRANCE



NOTES:

- PLACE CONTINUOUS RUN OF FENCE ON BOTH SIDES OF IMMEDIATE WORK ZONE AS SHOWN ON THE PLANS. DO NOT ATTACH FENCE MATERIAL TO TREES.
- FENCING SHALL BE "MIRASAFE" HIGH VISIBILITY, HIGH STRENGTH POLYETHYLENE MATERIAL BY TC MIRAFI PENDERGRASS, GEORGIA, OR AN APPROVED EQUAL.
- TIE FENCING FABRIC TO METAL "T" POSTS OR STAPLE TO VERTICAL 2X4

TEMPORARY CONSTRUCTION FENCE



DRAWN BY: KA		SCALE: NONE	
DESIGNED BY: DJS			
CHECKED BY: MS			
GROUP LEADER: CR			
#	DATE	DESCRIPTION	APPR'D
		REVISIONS	SECTION CHIEF: DLC



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APPROVED FOR THE CITY OF NEW YORK
PROJECT MANAGER
PORTFOLIO MANAGER

WARNING
IT IS A VIOLATION OF SECTION 2309.3 OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER IN ANY WAY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER HAS BEEN APPLIED. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE, THE DATE, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



NEW YORK CITY
ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN & CONSTRUCTION

CAPITAL PROJECT WM-30
GILBOA DAM AND ASSOCIATED FACILITIES RECONSTRUCTION
CONTRACT CAT-212DG
CIVIL - GENERAL
EROSION & SEDIMENT CONTROL DETAILS - SHEET 1 OF 3

DATE:	NOVEMBER 2016
BID SET	
DWG #:	212DG-GC-001
SHEET #:	054 OF 295