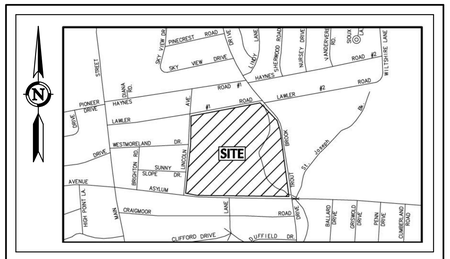
UNDERGRADUATE BUILDING DEMOLITION

APPLICATION FOR REGULATED WETLANDS ACTIVITY

1800 ASYLUM AVENUE ~ WEST HARTFORD ~ CT

MAP F6 ~ BLOCK 0181 ~ LOT 1800



LOCATION MAP
SCALE: 1"=1,000'

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PRELIMINARY
NOT FOR CONSTRUCTION
THESE PLANS ARE FOR PLANNING PURPOSES ONLY INTENDED TO SECURE REGULATORY APPROVALS. ONLY FINAL PLANS STAMPED APPROVED BY THE TOWN SHALL BE USED FOR CONSTRUCTION PURPOSES.

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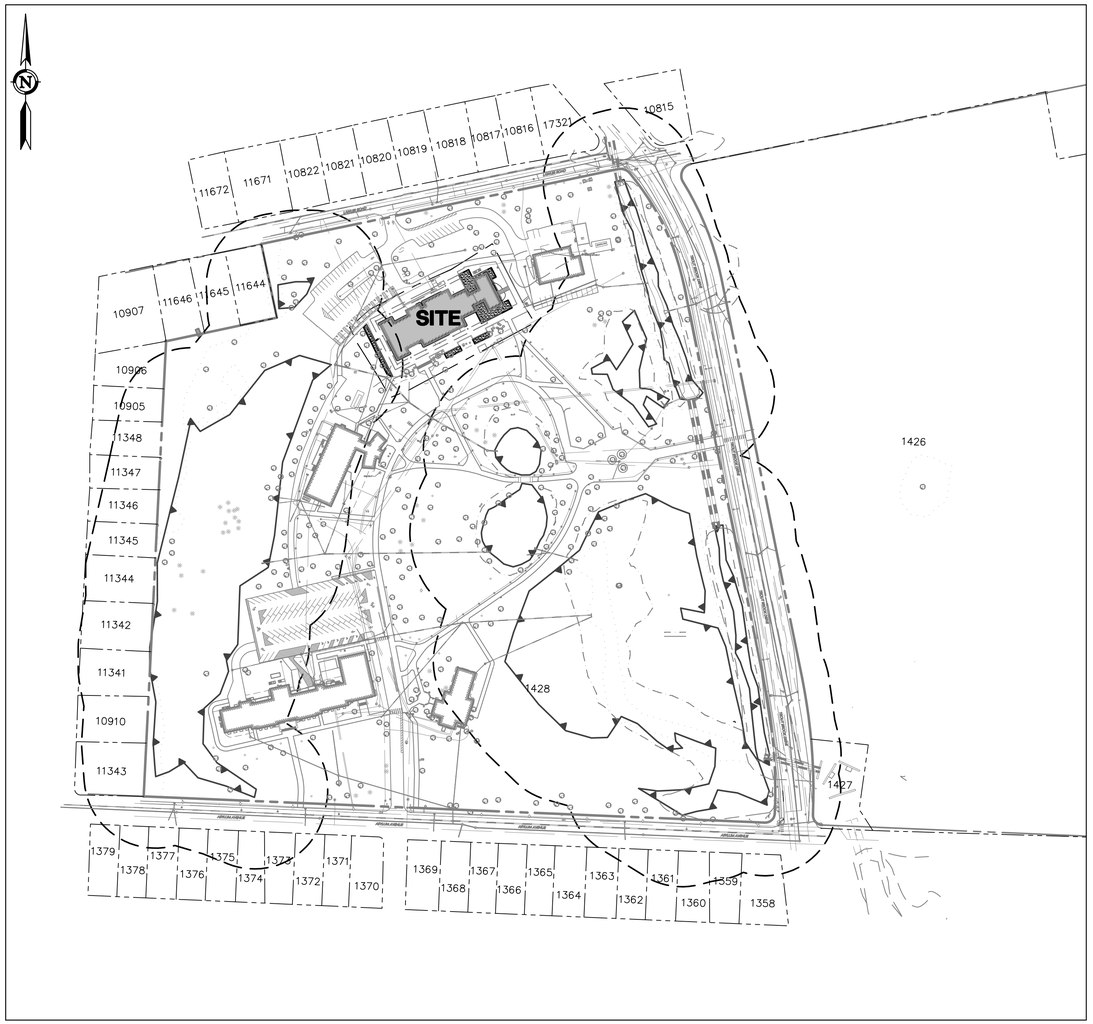
PROPERTY OWNERS:
Fintech Village, LLC
c/o Ideanomics
55 Broadway 19th Floor
New York, NY 10006

APPLICANT:
Bestech, Inc.
25 Pinney Street
Ellington, CT 06029
860-896-1000



KEY MAP
SCALE: 1"=150'

CIVIL ENGINEER:

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N/F ABUTTERS		
STREET ADDRESS	OWNER	PARCEL ID
1805 ASYLUM AVENUE	DUNCAN ANDREW B	1373
82 LAWLER ROAD	PEREIRA JOHN	10818
42 LINCOLN AVENUE	NEFF JONATHAN C & RICCIO AMY L	10907
1791 ASYLUM AVENUE	OBRIEN KATHLEEN L	1364
8 LINCOLN AVENUE	WOOLSEY CHARLES B & MARCIA L	10910
1821 ASYLUM AVENUE	THRAEN THOMAS & SRIBANPOT JENNIFER	1379
1807 ASYLUM AVENUE	MASI ARTHUR R & HENTZ BRIAN S	1374
64 LAWLER ROAD	ALMAS KHALID & PAKEEZA KHALID	10815
107 LAWLER ROAD	REISER LANCE H & LORI G	11646
1811 ASYLUM AVENUE	MARKET EUGENE A	1376
101 LAWLER ROAD	GOETZ JEFFREY H & AMANDAJO LOONEY-GOETZ	11644
20 LINCOLN AVENUE	JOHNSON WILLIAM E & BARBARA A	11344
1779 ASYLUM AVENUE	DALY SHAWN W & EILIEEN C	1363
1785 ASYLUM AVENUE	LIEBOWITZ FREDERICK M ETAL	1366
1799 ASYLUM AVENUE	OREFICE VALERIE TR	1370
1815 ASYLUM AVENUE	JOHN AND COMPANY LIMITED	1377
92 LAWLER ROAD	FREEMAN EDWARD H & SHARI A	10821
100 LAWLER ROAD	PATEL JUDITH T	11671
22 LINCOLN AVENUE	GREENSTEIN MARK A	11345
94 LAWLER ROAD	RIVKIND ILYA & RAISA	10822
1803 ASYLUM AVENUE	BORMAN JUDITH L	1372
1809 ASYLUM AVENUE	MCGOWAN COLLEEN	1375
1771 ASYLUM AVENUE	MINAYA RALPH	1360
34 LINCOLN AVENUE	MENARD HEATHER & LEONEL BAQUERIZO	10905
16 LINCOLN AVENUE	RICH JAMES R ETAL	11342
1765 ASYLUM AVENUE	GRANT CARLA & JOHN A HOLDER	1358
1769 ASYLUM AVENUE	CUMMINGS BETTY M	1359
1781 ASYLUM AVENUE	MIX MARY ELLEN T	1364
24 LINCOLN AVENUE	LUCIDO ANNA LISA & JACKSON ALEXANDER C	11346
1375 TROUT BROOK DRIVE	DONOHUE JAMES W & TERRI L	17321
1789 ASYLUM AVENUE	VANNASOUK THINK & OULAYLACK	1367
1710 ASYLUM AVENUE	STATE OF CONNECTICUT	1427
1773 ASYLUM AVENUE	SOFRIN KATHLEEN C & SOFRIN TERRENCE S	1361
103 LAWLER ROAD	GIFFORD PAUL J & PEACOCK KATELYN M	11645
1801 ASYLUM AVENUE	TABOR BENJAMIN SCOTT & MAXWELL ASHLEY	1371
30 LINCOLN AVENUE	SHAHAM ZACASH EST	11348
86 LAWLER ROAD	MCMULLEN LAGWANA GAINES	10819
12 LINCOLN AVENUE	ELOVICH KATHERINE	11341
1817 ASYLUM AVENUE	GLAZIER LEONARD EST	1378
36 LINCOLN AVENUE	GILMORE ELISABETH	10906
102 LAWLER ROAD	WU BAOCHUAN & DANIELLE M	11672
2 LINCOLN AVENUE	NEWANDEE HOA HOANG & DOUGLAS A	11343
76 LAWLER ROAD	ANTELO JUAN F & WANT HOPE	10816
28 LINCOLN AVENUE	STAHL BRIAN & C ANNELIESE	11347
80 LAWLER ROAD	YEH MASON LIWEN	10817
88 LAWLER ROAD	EUSKO NATHAN & STRONGIN-EUSKO OLGA	10820
1777 ASYLUM AVENUE	POOLMAN CIARA & DOANE ASHLEY	1362
1793 ASYLUM AVENUE	HART KIMBERLEE R	1369
1783 ASYLUM AVENUE	WON BRIAN WONG & CHUNG CAROLYN	1365
1700 ASYLUM AVENUE	FINTECH VILLAGE LLC	1426

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PREPARED FOR:
Bestech, Inc.
25 Pinney Street
Ellington, CT 06029
860-896-1000 – T

PROJECT NO.	2815
DATE	11/21/19
DESIGNED BY:	SPC
DRAWN BY:	SPC
REVIEWED BY:	REM
APPROVED BY:	SPC

Undergraduate Building Demolition
1800 Asylum Avenue, West Hartford, CT
MAP F6, BLOCK 0181, LOT 1800

REVISIONS

NO.	DATE		BY
1	11/27/2019	REVISED PER TOWN COMMENTS	REM

TITLE

SHEET
C-T1
SHEET 1 OF 3

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REGULATED AREA LIMIT

PROPOSED TEMPORARY INLET PROTECTION AND STRAW BALES REFER TO DETAILS ON EROSION & SEDIMENTATION NOTES & DETAILS SHEET. (TYP)

LIMIT OF SOIL REMOVAL OFF SITE SEE BESTECH, INC. WORK PLAN FOR THE SOIL/HARDSCAPE REMEDIATION OF THE... UNDERGRADUATE BUILDING, DATED 11-18-19 AND EAGLE ENVIRONMENTAL PLAN REFERENCE

PROPOSED ANTI-TRACKING PAD FOR DEMOLITION AND HAULING EQUIPMENT PER BESTECH, INC. WORK PLAN

TYP. SILT FENCE ALONG ACTIVITY LIMIT APPROX. 764 LINEAR FEET TOTAL AROUND BUILDING

150'

BUILDING REMOVAL PER BESTECH DEMOLITION WORK PLAN AND EAGLE ENVIRONMENTAL PLAN REFERENCE

WETLAND LIMIT

BUILDING TO BE REMOVED DOWN TO FIRST-FLOOR SLAB

AFTER SOIL REMOVAL, AREA TO BE SLOPED AT A MAXIMUM GRADE OF 2:1 AND A MAXIMUM DEPTH OF 6'.

REGULATED AREA LIMIT

SUPER SILT FENCE ALONG WETLAND LIMIT APPROX. 105 LF IN ADDITION TO EXISTING

12" EXCELSIOR WATTLE (ASPEN WOOD FIBER) BY EAST COAST EROSION CONTROL BURIED 3" INTO GROUND

WETLAND LIMIT

150'

WETLAND LIMIT

REGULATED AREA LIMIT

LIMIT OF CONSTRUCTION ACTIVITY IN "DECONTAMINATION ZONE" PER BESTECH, INC. WORK PLAN DATED 11/18/19

VOLUME OF SOIL REMOVAL WITHIN REGULATED UPLAND REVIEW AREA AMOUNTS TO 46.52± CUBIC YARDS OF SOIL (OF TOTAL 346± CUBIC YARDS) BETWEEN 1' AND 2' OF DEPTH SEE EAGLE ENVIRONMENTAL PLAN REFERENCE FOR DEPTH ZONES

LIMIT OF EXISTING SUPER SILT FENCE AND EXCELSIOR WATTLE INSTALLED FOR PREVIOUSLY APPROVED DEMOLITION OF SOCIAL WORK BUILDING

TYP. SILT FENCE ALONG ACTIVITY LIMIT APPROX. 764 LINEAR FEET TOTAL AROUND BUILDING

REGULATED AREA LIMIT

150'

WETLAND LIMIT

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860-896-1000

GENERAL NOTES:
1. EXISTING CHAIN LINK CONSTRUCTION FENCE SURROUNDING SITE SHALL REMAIN IN PLACE UNTIL LAND DEVELOPMENT TAKES PLACE.

REFERENCES:
THIS PLAN REFERS TO THE FOLLOWING:
1. PLAN ENTITLED "TOPOGRAPHIC SURVEY, 1800 ASYLUM AVENUE, WEST HARTFORD, CONNECTICUT" DATED 5/30/2019 PREPARED BY LANGAN CT, INC., NEW HAVEN, CT, SCALE 1"=40'.
2. WETLAND AND REGULATED AREA FROM PLAN ENTITLED "PROPERTY/TOPOGRAPHIC SURVEY" PREPARED FOR TOWN OF WEST HARTFORD, UNIVERSITY OF CONNECTICUT HARTFORD CAMPUS, #1700&#1800 ASYLUM AVENUE, WEST HARTFORD, CT, 2/25/2016, PREPARED BY MILONE & MACGROOM, CHESHIRE, CT, SCALE 1"=40'.
3. PLAN ENTITLED "PCB CLEANUP AND DISPOSAL PLAN, SOIL AND HARDSCAPES, UNDERGRADUATE BUILDING PCB SOIL & HARDSCAPE REMEDIATION, FINTECH VILLAGE, LLC, 1800 ASYLUM AVENUE, WEST HARTFORD, CT" DATED 5/1/2019, PREPARED BY EAGLE ENVIRONMENTAL, INC., TERRYVILLE, CT, SCALE 1"=20'.

EROSION & SEDIMENTATION CONTROL PLAN NOTES:
1. 'CALL BEFORE YOU DIG' – CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF PENDING EXCAVATION BY CALLING 811 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING EXCAVATION.
2. THIS PLAN SHALL BE USED FOR EROSION & SEDIMENTATION CONTROL PURPOSES ONLY.
3. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PLANS.
4. REFER TO EROSION & SEDIMENTATION CONTROL NOTES & DETAILS SHEET FOR EROSION & SEDIMENTATION CONTROL NOTES.

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25 Pinney Street
Ellington, CT 06029
860-896-1000 - T

PROJECT NO.	DATE	DRAWN BY:	DESIGNED BY:	REVIEWED BY:
2815	11/21/19	SPC	REM	SPC

Undergraduate Building Demolition

1800 Asylum Avenue, West Hartford, CT
MAP F6, BLOCK 0181, LOT 1800

REVISIONS

NO.	DATE		BY
1	11/27/2019	REVISED PER TOWN COMMENTS	REM

EROSION & SEDIMENTATION CONTROL PLAN

SCALE: 1" = 20' (0, 10', 20', 40')

SHEET
C-ES1
SHEET 2 OF 3

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CONSTRUCTION NOTES:

1. At least three full business days prior to starting any site activity or demolition, the contractor shall contact the applicable state utility location service by dialing 811 or submitting an online ticket request. The utilities shall be marked in all areas of proposed disturbance.

2. It is the contractor's responsibility to review all construction contract documents associated with the project scope of work, including, but not limited to, all drawings and specifications, architectural plans, boundary and topographic survey, wetlands assessment and reports, geotechnical reports, environmental reports, and approval conditions, prior to the commencement of construction. Should the contractor find conflict and/or discrepancy between the documents relative to the plans, specifications, reports, or the relative or applicable codes, regulations, laws, rules, statutes and/or ordinances, it is the contractor's sole responsibility to notify the Engineer, in writing, of said conflict and/or discrepancy prior to the start of construction.

3. The contractor shall be responsible for adhering to any conditions of approval placed on the project by the authorities having jurisdiction.

4. The contractor must comply, to the fullest extent, with the latest Occupational Safety and Health (OSHA) standards and regulations, and/or any other agency with jurisdiction for construction activities. The contractor is solely responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with work on the Project. The Engineer will not be responsible for the contractor's safety, schedules, or failure to carry out its work in accordance with the contract documents. The Engineer will not have control over or charge of acts or omissions of the contractor, subcontractors, or their agents or employees, or of any persons performing portions of work on the Project.

5. Contractor must notify the Engineer in writing if there are any questions concerning the accuracy or intent of these plans or related specifications. If such notification is given, no demolition or site activity may begin until such time that the Engineer provides a written response to same.

6. Contractor shall adhere to and is responsible for compliance with all details, notes, plans and specifications contained herein. It is the responsibility of the contractor to ensure that all work performed by their subcontractors is in full compliance with these requirements.

7. The contractor shall confirm that they are in receipt of the current version of the referenced documents prior to the commencement of any work.

8. Prior to commencing work, contractor is required to secure all necessary and/or required permits and approvals for the construction of the project, including, but not limited to, demolition work, and all off site material sources and disposal facilities. Copies of all permits and approvals shall be maintained on site throughout the duration of the project. The contractor shall thoroughly review and understand all permits and permit conditions prior to fabrication of any materials or products to be used as part of the project.

9. The contractor is responsible for independently verifying all existing onsite utilities within and adjacent to the limits of the project activities. Underground utility, structure and facility locations depicted and noted on the plans have been compiled, in part, from record mapping supplied by the respective utility companies or governmental agencies, from parol testimony, and from other sources. These locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to the Engineer.

10. Locations of all existing and proposed services are approximate. Final utility service sizes and locations, including, but not limited to, the relocation and/or installation of utility poles, or the relocation and/or installation of transformers, are at the sole discretion of the respective utility companies.

11. Prior to commencement of any work, the contractor shall independently coordinate and confirm with the appropriate utility companies to finalize all utility services and/or relocations to ensure no conflict with the design plans and that proper depths can be achieved. All discrepancies must immediately be reported to the Engineer in writing. Should a conflict arise due to the final designs of the utility company, the contractor shall notify the Engineer in writing and await a written resolution prior to proceeding with further utility installations.

12. Prior to commencing construction, the contractor shall field verify all existing conditions, topographic information, utility invert elevations, and proposed layout dimensions, and must immediately notify the Engineer in writing if actual site conditions differ or are in conflict with the proposed work. No extra compensation will be paid to the contractor for work which has to be redone or repaired due to dimensions or grades shown incorrectly on these plans unless the contractor receives written permission from Owner/developer giving authorization to proceed with such additional work.

13. At least 72 hours prior to starting any site activity or demolition, the contractor shall notify, at a minimum, the building official, municipal engineer, department of public works, planning and zoning commission, the Engineer, and local inland wetland commission, as applicable. The contractor shall also attend a pre-construction meeting with the local municipality, if required, prior to commencing any site activity or demolition.

14. Prior to starting any site activity or demolition, the contractor shall implement the soil erosion and sediment control measures as noted on the plans. Refer to the Erosion and Sedimentation Control Notes.

15. The demolition plan or existing features designated to be removed are intended to provide only general information regarding items to be demolished and/or removed. The contractor shall review all site plans (and architectural drawings as applicable) to assure that all demolition activities and incidental work necessary are completed.

16. The contractor shall protect and maintain the operation and service of all active utilities and systems that are not being removed during all construction activities. Should a temporary interruption of utility services be required as part of the proposed construction activities, the contractor shall coordinate with appropriate utility companies and the affected end users to minimize impact and service interruption.

17. The contractor shall arrange for and coordinate with the appropriate utility companies for all services that require temporary or permanent termination for the project, whether shown on the site plans or not. Termination of utilities shall be performed in compliance with all local, state and/or federal regulations.

18. Contractor must prepare record drawings depicting the location of existing utilities that are capped, abandoned in place, or relocated and provide to the Owner and the Engineer of record.

19. Should hazardous material be discovered/encountered, which was not anticipated/addressed in the project plans and specifications, cease all work immediately and notify Owner and Engineer regarding the discovery of same. Do not continue work in the area until written instructions are received from an environmental professional.

20. The contractor is responsible for preventing movement, settlement, damage, or collapse of existing structures, and any other improvements that are to remain. If any existing structures that are to remain are damaged during construction, repairs shall be made using new product/materials resulting in a pre-damage condition, or better. Contractor is responsible for all repair costs. Contractor shall document all existing damage and to notify the Owner prior to the start of construction.

21. The use of explosives, if required, must comply with all local, state and federal regulations. The contractor shall obtain all permits that are required by the federal, state and local governments, and shall also responsible for all notification, inspection, monitoring or testing as may be required.

22. All debris from removal operations must be removed from the site at the time of excavation. Stockpiling of demolition debris will not be permitted. Debris shall not be burned or buried on site. All demolition materials to be disposed of, including, but not limited to, stumps, limbs, and brush, shall be done in accordance with all municipal, county, state, and federal laws and applicable codes. The contractor must maintain records of all disposal activities.

23. The contractor is responsible for repairing all damage to any existing utilities during construction, at its own expense.

24. All earthwork activities must be performed in accordance with these plans and specifications and the recommendations set forth in the geotechnical report completed for this project. In the absence of a geotechnical report, all earthwork activities must comply with the standard state Department of Transportation (DOT) specifications (latest edition) and any amendments or revisions thereto. All earthwork activities must comply all applicable requirements, rules, statutes, laws, ordinances and codes for the jurisdictions where the work is being performed.

25. The contractor is responsible for removing and replacing unsuitable materials with suitable materials. All excavated or filled areas must be properly compacted. Moisture content at time of placement must be submitted in a compaction report prepared by a qualified geotechnical engineer, licensed in the state where the work is performed, verifying that all filled areas and subgrade areas within the building pad area and areas to be paved have been compacted in accordance with these plans, specifications and the recommendations. Subbase material for building pads, sidewalks, curb, or asphalt must be free of organics and other unsuitable materials. Should subbase be deemed unsuitable by Owner/developer or Owner/developer's representative, subbase is to be removed and filled with suitable material and properly compacted at the contractor's expense. All fill, compaction, and backfill materials required for utility installation must be coordinated with the applicable utility company specifications. The Engineer shall have no liability or responsibility for or as related to fill, compaction, backfill, or the balancing of earthwork.

26. Pavement must be saw cut into straight lines and must extend to the full depth of the existing pavement, except for edge of butt joints.

27. The tops of existing manholes, inlet structures, and sanitary cleanout tops must be adjusted as necessary, to match proposed grades.

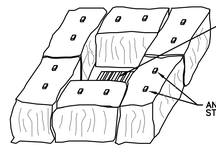
28. Where retaining walls (whether or not they meet the jurisdictional definition) are identified on plans, elevations identified herein are for the exposed portion of the wall. Wall footing/foundation elevations are not identified herein and are to be set/determined by the contractor based on final structural design shop drawings prepared by an appropriate professional licensed in the state where the construction occurs.

29. Contractor shall maintain and control traffic on and offsite in conformance with the current Federal Highway Administration (FHWA) "Manual on Uniform Traffic Control Devices" (MUTCD), and the federal, state, and local regulations for all aspects of demolition and site work. If a Maintenance of Traffic Plan is required for work that affects public travel either on or offsite, the contractor shall be responsible for the cost and implementation of said plan.

30. Contractor shall prevent the emission of dust, sediment, and debris from the site, and shall be responsible for corrective measures such as street sweeping, and clean-up work as deemed necessary by the Engineer orthe authority having jurisdiction.

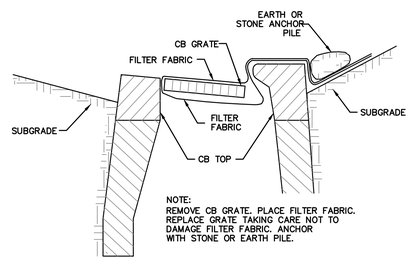
31. The contractor shall install and/or construct all aspects of the project in strict compliance with and accordance with manufacturer's written installation standards, recommendations and specifications.

32. All pumped discharge must utilize silt-sac or approved equal. Monitor to ensure dewatering activities do not cause erosion downstream. Stabilize area utilizing winter stabilization if appropriate for season of construction. Dewatering activities shall be completed in accordance with the 2002 CT Guidelines for Soil Erosion and Sediment Control.



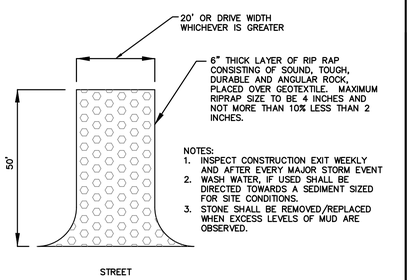
STRAW BALE INSTALLATION AT CATCH BASINS

N.T.S.



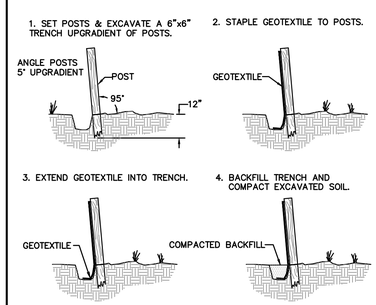
CATCH BASIN GRATE SEDIMENTATION CONTROL

N.T.S.



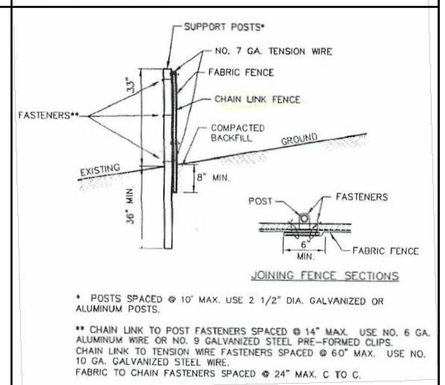
CONSTRUCTION ACCESS

N.T.S.



TYP. SILT FENCE

N.T.S.



SUPER SILT FENCE

N.T.S.

CONSTRUCTION SEQUENCE:

1. INSTALL CONSTRUCTION ACCESS AT DRIVEWAYS OR OTHER LOCATIONS AS SHOWN ON PLANS. MAINTAIN THE CONSTRUCTION ACCESS IN A CONDITION WHICH WILL PREVENT TRACKING AND WASHING OF SEDIMENT ONTO ABUTTING PAVED SURFACES. ADD STONE OR INCREASE THE LENGTH AS CONDITIONS DEMAND.

2. STAKE-OUT THE LIMITS OF CLEARING AND GRUBBING. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES AT LIMITS OF CLEARING AND GRUBBING. CONTRACTOR TO CONDUCT ALL CONSTRUCTION ACTIVITIES WITHIN LIMITS SHOWN ON PLAN.

3. CONSTRUCT OTHER BEST MANAGEMENT PRACTICES AS REQUIRED AND/OR AS SHOWN ON THE PLANS,

4. PROTECT CATCHBASINS AND CULVERT INLETS/OUTLETS WITH HAYBALES AND FILTER FABRIC AS SHOWN IN THE DETAILS.

5. FOLLOW BESTECH DEMOLITION WORK PLAN AND EAGLE ENVIRONMENTAL REFERENCED PLAN.

6. ESTABLISH VEGETATION ON ALL DISTURBED SOIL THAT WILL REMAIN EXPOSED FOR LONGER THAN 30 DAYS.

7. CREATE TEMPORARY DIVERSION SWALES AS REQUIRED.

8. ANY DEWATERING ACTIVITIES SHALL BE PUMPED TO TEMPORARY SILTATION BASINS AT THE TOP OF THE SLOPE. PUMPED DISCHARGE MUST UTILIZE SILT-SAC OR APPROVED EQUAL. MONITOR TO ENSURE DISCHARGE FROM BASIN IS NOT CAUSING EROSION DOWNSTREAM.

9. FILL EXCAVATED AREAS, INSTALL TOPSOIL, GRASS SEED, AND MULCH.

10. MINOR ADJUSTMENTS TO THE EXCAVATION LIMITS MAY BE WARRANTED WITH APPROVAL OF LOCAL AUTHORITY HAVING JURISDICTION TO ALLOW FOR PRESERVATION OF EXISTING VEGETATION.

11. ALL EROSION CONTROL DEVICES SHALL REMAIN FUNCTIONAL AND IN PLACE THROUGHOUT THE CONSTRUCTION EFFORT UNTIL THE SITE IS FULLY STABILIZED WITH VEGETATION.

EROSION & SEDIMENTATION CONTROL MAINTENANCE AND INSPECTION PROGRAM (WEEKLY CONSTRUCTION REPORTS):

PER RECOMMENDATIONS MADE IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL PLAN, THE CONTRACTOR SHALL MAINTAIN WEEKLY REPORTS ON THE CONDITION OF ALL EROSION CONTROL MEASURES AND MAKE THEM AVAILABLE UPON REQUEST OF OWNER, LOCAL AUTHORITY HAVING JURISDICTION, OR ENGINEER. IN THE EVENT OF A MAJOR RAINSTORM, (0.5 INCHES OR GRATER) REPORTS SHALL BE PREPARED WITHIN 24 HOURS OF SAID EVENT.

EROSION & SEDIMENTATION CONTROL NARRATIVE

1. PRIOR TO THE START OF CONSTRUCTION, ALL EROSION CONTROL DEVICES SHALL BE INSTALLED IN CONFORMANCE WITH THESE PLANS.

2. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES IMPLEMENTATION AS WELL AS MAINTENANCE. ANY PROPOSED CHANGES TO THIS PLAN MUST BE APPROVED BY THE ENGINEER AND/OR THE LOCAL AUTHORITY HAVING JURISDICTION.

3. CONSTRUCTION ACCESS SHALL BE INSPECTED REGULARLY TO ENSURE PROPER OPERATION. STONE SHALL BE ADDED OR REPLACED AS REQUIRED.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADJACENT ROADWAYS, (BOTH PUBLIC & COMPLETED PORTIONS OF THE PROJECT) FREE FROM ACCUMULATED DUST AND DIRT. STREETS SHALL BE SWEPT CLEAN AT ALL TIMES.

5. AREAS WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED OR WHEN FINAL GRADES ARE REACHED IN ANY PORTION OF THE SITE, SHALL BE STABILIZATION WITH FINAL VEGETATION WITHIN 7 DAYS. AREAS TO BE LEFT BARE FOR MORE THAN 30 DAYS SHALL BE TREATED WITH AIR DRIED WOOD CHIP MULCH (6 CYDS / 1000 S.F.) OR SEEDED WITH PERENNIAL RYE-GRASS UNTIL FINAL GRADING AND STABILIZATION TAKES PLACE. WINTER STABILIZATION SHALL INCLUDE MULCH/STRAW OR HAY APPLIED AT THE SAME RATE WITH A TACKIFIER PER RECOMMENDATIONS MADE IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

6. ALL DISTURBED SLOPES EXCEEDING A 3:1 SLOPE SHALL IMMEDIATELY RECEIVE MULCH AND TEMPORARY SEEDING IN ACCORDANCE WITH THE FOLLOWING APPLICATION RATES:

MULCH:	RATE:
STRAW	90# / 1000 S.F.

TEMPORARY SEEDING:	RATE:
PERENNIAL RYEGRASS	1.0# / 1000 S.F.

7. CONTRACTOR SHALL CLEAN CATCHBASIN SUMPS, DIVERSION SWALES, & TEMPORARY SETTLING SUMPS AS REQUIRED DURING CONSTRUCTION.

8. DURING EARTHWORK OPERATIONS, CONTRACTOR SHALL MANAGE STORMWATER RUNOFF SO THAT NO DIRECT DISCHARGE OF RUNOFF THAT CONTAINS SUSPENDED PARTICLES, FLOWS INTO RECEIVING WATERS. RUNOFF SHALL BE DIRECTED INTO TEMPORARY SEDIMENT SUMPS AND TREATED.

9. AT NO TIME DURING THE CONSTRUCTION EFFORT SHALL THERE BE ANY OPEN AND DISTURBED AREA GREATER THAN 5 ACRES WITHOUT SILT FENCE PERIMETER OF SET AREA.

10. AFTER ALL SITE WORK IS COMPLETED, INCLUDING THE SPREADING OF TOPSOIL AND SEEDING, THE CONTRACTOR SHALL CLEAN ANY SILT OR DEBRIS FROM ALL STORM DRAINAGE STRUCTURES AND CULVERTS.

11. AT ALL TIMES DURING THE CONSTRUCTION EFFORT, THE CONTRACTOR SHALL HAVE AVAILABLE THE APPROPRIATE EQUIPMENT FOR WATER APPLICATION FOR THE PURPOSES OF ALLAYING DUST. APPLY WATER, SUITABLE MATERIALS, OR COVERS TO MATERIAL STOCKPILES AND OTHER SURFACES THAT CAN GIVE RISE TO AIRBORNE PARTICULATE MATTER. COVER, WHILE IN MOTION, OPEN-BODIED TRUCKS OR OPEN-BODIED TRAILERS. MINIMIZE THE VOLUME OF WATER SPRAYED FOR CONTROLLING DUST AS TO PREVENT THE RUNOFF OF WATER. NO DISCHARGE OF DUST CONTROL WATER SHALL CONTAIN OR CAUSE A VISIBLE OIL SHEEN, FLOATING SOLIDS, VISIBLE DISCOLORATION, OR FOAMING IN THE RECEIVING STREAM.

12. THE DEVELOPER SHALL ENSURE THAT CONSTRUCTION ACTIVITIES COMPLY WITH THE NOISE ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.

13. THE CONTRACTOR SHALL EXCAVATE A PIT TO BE DESIGNATED AS A WASHOUT AREA FOR CONCRETE, PAINT, AND OTHER MATERIALS. THIS AREA SHALL BE CLEARLY FLAGGED AND CONSTRUCTED TO BE ENTIRELY SELF-CONTAINED. THIS AREA SHALL BE OUTSIDE OF ANY BUFFERS AND AT LEAST 50 FEET FROM ANY STREAM, WETLAND, OR OTHER SENSITIVE SOURCE. DUMPING OF LIQUID WASTES IN STORM SEWERS IS PROHIBITED. THE WASHOUT AREA SHALL BE INSPECTED AT LEAST ONCE A WEEK TO ENSURE STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY, AND TO CHECK FOR LEAKS AND OVERFLOWS. ACCUMULATED DEBRIS SHOULD BE REMOVED ONCE THE WASHOUT AREA REACHES HALF WAY FULL OR IS DEEMED NECESSARY TO AVOID OVERFLOWS. REMOVE AND DISPOSE OF HARDENED CONCRETE WASTE CONSISTENT WITH PRACTICES DEVELOPED FOR THE WASTE DISPOSAL.

14. THE CONTRACTOR SHALL DESIGNATE A WASTE DISPOSAL AREA FOR TEMPORARY STORAGE OF MATERIALS TO BE REMOVED FROM THE SITE. THE DESIGNATED WASTE AREA SHALL BE SELECTED AS TO MINIMIZE TRUCK TRAVEL THROUGH THE SITE. THE AREA WILL NOT DRAIN DIRECTLY TO ADJACENT WETLANDS. PICKUPS SHALL BE SCHEDULED REGULARLY TO PREVENT THE CONTAINERS FROM OVERFILLING. SPILLS SHALL BE CLEANED UP IMMEDIATELY. DEFECTIVE CONTAINERS THAT MAY CAUSE LEAKS OR SPILLS WILL BE IDENTIFIED THROUGH REGULAR INSPECTION. ANY FOUND TO BE DEFECTIVE WILL BE REPAIRED OR REPLACED IMMEDIATELY. ANY STOCKPILING OF MATERIALS SHOULD BE CONFINED TO THE DESIGNATED AREA AS DEFINED BY THE CONTRACTOR.

15. ALL CHEMICAL AND PETROLEUM PRODUCT CONTAINERS STORED ON THE SITE (EXCLUDING THOSE CONTAINED WITHIN VEHICLES AND EQUIPMENT) SHALL BE PROVIDED WITH IMPERMEABLE CONTAINMENT WHICH WILL HOLD AT LEAST 110% OF THE VOLUME OF THE LARGEST CONTAINER, OR 10% OF THE TOTAL VOLUME OF ALL CONTAINERS IN THE AREA, WHICHEVER IS LARGER, WITHOUT OVERFLOW FROM THE CONTAINMENT AREA. ALL CHEMICALS AND THEIR CONTAINERS SHALL BE STORED UNDER A ROOFED AREA EXCEPT FOR THOSE CHEMICALS STORED IN CONTAINERS OF 100 GALLON CAPACITY OR MORE, IN WHICH CASE A ROOF IS NOT REQUIRED. DOUBLE-WALLED TANKS SATISFY THIS REQUIREMENT.

16. CONTRACTOR SHALL COORDINATE WITH THE PROPER AGENCIES FOR RELOCATION OF ANY UTILITIES OR SIGNS.

17. IF REQUIRED, AN APPROVED EROSION CONTROL BOND SHALL BE PREPARED BEFORE THE START OF ANY CONSTRUCTION ACTIVITY.

18. FROZEN MATERIAL SHALL NOT BE USED FOR FILL NOR SHALL FILL BE PLACED OR COMPACTED ON FROZEN GROUND.

ESTIMATED CONSTRUCTION START DATE – WINTER 2019
ESTIMATED COMPLETION DATE – SPRING 2020

CONSTRUCTION DUST CONTROL NOTES

- IDENTIFY AND ADDRESS SOURCES OF DUST GENERATED BY CONSTRUCTION ACTIVITIES. LIMIT CONSTRUCTION TRAFFIC TO PREDETERMINED ROUTES. PAVED SURFACES REQUIRE MECHANICAL SWEEPERS TO REMOVE SOIL THAT HAS BEEN DEPOSITED OR TRACKED ONTO THE PAVEMENT. ON UNPAVED TRAVELWAYS AND TEMPORARY HAUL ROADS, USE ROAD CONSTRUCTION STABILIZATION MEASURES AND/OR WATER AS NEEDED TO KEEP SURFACE DAMP. STATIONARY SOURCES OF DUST, SUCH AS ROCK CRUSHERS, USE FINE WATER SPRAYS TO CONTROL DUST. IF WATER IS EXPECTED TO BE NEEDED FOR DUST CONTROL, IDENTIFY THE SOURCE OF WATER IN ADVANCE. PUMPING FROM STREAMS, POND AND SIMILAR WATERBODIES MAY REQUIRE APPROVAL FROM THE MUNICIPAL INLAND WETLAND AGENCY.

- IDENTIFY AND ADDRESS SOURCES OF WIND GENERATED DUST. PROVIDE SPECIAL CONSIDERATION TO HILL TOPS AND LONG REACHES OF OPEN GROUND WHERE SLOPES MAY BE EXPOSED TO HIGH WINDS. CONSIDER BREAKING UP LONG REACHES WITH TEMPORARY WINDBREAKS CONSTRUCTED FROM BRUSH PILES, GEOTEXTILE SILT FENCES OR HAY BALES. PLAN ON STABILIZING SLOPES EARLY. MULCH FOR SEED WILL REQUIRE ANCHORING WHEN USED.

- CONSIDER WATER QUALITY WHEN SELECTING THE METHOD AND/OR MATERIALS USED FOR DUST CONTROL. WHEN CONSIDERING THE USE OF CALCIUM CHLORIDE, BE AWARE OF THE FOLLOWING: THE RECEIVING SOIL'S PERMEABILITY SO AS TO PREVENT GROUNDWATER CONTAMINATION; THE TIMING OF THE APPLICATION TO RAINFALL TO PREVENT WASHING OF SALTS INTO SENSITIVE AREAS SUCH AS WETLANDS AND WATERCOURSES; AND PROXIMITY TO SENSITIVE AREAS SUCH AS WATERCOURSES, PONDS, ESTABLISHED OR SOON TO BE ESTABLISHED AREA OF PLANTINGS, WHERE SALTS COULD IMPAIR OR DESTROY PLANT AND ANIMAL LIFE. ADDITIONALLY, SOME MATERIALS USED FOR DUST CONTROL MAY BE RENDERED INEFFECTIVE BY DEGRADED WATER QUALITY IF IT IS USED FOR MIXING.

- CONSIDER USING DUST CONTROL MEASURES ONLY AFTER IT IS DETERMINED THAT OTHER MEASURES FOR SOIL STABILIZATION CANNOT BE PRACTICALLY APPLIED.

- USE MECHANICAL SWEEPING ON PAVED AREAS WHERE DUST AND FINE MATERIALS ACCUMULATE AS A RESULT OF TRUCK TRAFFIC, PAVEMENT SAW CUTTING SPILLAGE, AND WIND OR WATER DEPOSITION FROM ADJACENT DISTURBED AREAS. SWEEP DAILY IN HEAVILY TRAFFICKED AREAS.

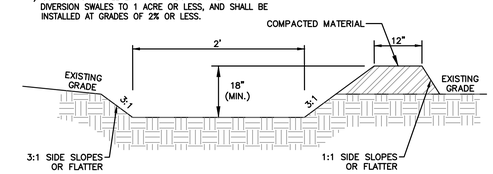
- PERIODICALLY MOISTEN EXPOSED SOIL SURFACES ON UNPAVED TRAVELWAYS TO KEEP THE TRAVELWAY DAMP.

- NON-ASPHALTIC SOIL TACKFIER CONSISTS OF AN EMULSIFIED LIQUID SOIL STABILIZER OF ORGANIC, INORGANIC OR MINERAL ORIGIN, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING: MODIFIED RESINS, CALCIUM CHLORIDE, COMPLEX SURFACTANT, COPOLYMERS OR HIGH GRADE LATEX ACRYLICS. THE SOLUTIONS SHALL BE NONASPHALTIC, NONTOXIC TO HUMAN, ANIMAL AND PLANT LIFE, NONCORROSIVE AND NONFLAMMABLE. MATERIALS USED SHALL MEET LOCAL, STATE AND FEDERAL GUIDELINES FOR INTENDED USE. ALL MATERIALS ARE TO BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND ALL SAFETY GUIDELINES SHALL BE FOLLOWED IN STORING, HANDLING AND APPLYING MATERIALS.

- REPEAT APPLICATION OF DUST CONTROL MEASURES WHEN FUGITIVE DUST BECOMES EVIDENT.

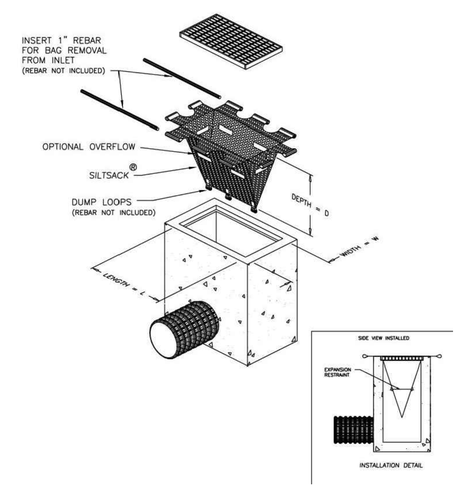
NOTES:

1) CONTRACTOR SHALL LIMIT CONTRIBUTING AREA TO DIVERSION SWALES TO 1 ACRE OR LESS, AND SHALL BE INSTALLED AT GRADES OF 2% OR LESS.



TEMPORARY DIVERSION SWALE

IF REQUIRED
N.T.S.



CURB-LESS INLET PROTECTION DETAIL

N.T.S.

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PROJECT NO.	DRAWN BY:
2815	SPC
DATE:	CHECKED BY:
11/21/19	REM

Undergraduate Building Demolition

1800 Asylum Avenue, West Hartford, CT
MAP F6, BLOCK 0181, LOT 1800

REVISIONS

NO.	DATE		BY
1	11/27/2019	REVISED PER TOWN COMMENTS	REM

EROSION & SEDIMENTATION DETAILS & NOTES

SHEET
C-ES2
SHEET 3 OF 3

File: C:\jobs\2815\AutoCAD\Map 2 – Undergrad\2815 E-S.dwg Layout: 03 C-ES2 Plotted: 11/27/2019 10:21 AM Last Saved: 11/21/2019 4:54 PM Last Saved By: RachelMeier