Memorandum

- Date: 3/03/2026
- Attention: CT DEEP Reviewer
- Regarding: Permit Number GSN003972 – South Campus Chiller Plant Addition - Resubmission
- Project Name: South Campus Chiller Plant Addition
- Project Number: #300241
- From: Daniel Cefaratti, P.E.

Remarks

The General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, effective 12/31/2020, modified 11/25/2022 (general permit) was approved for the South Campus Chiller Plant Addition project on October 27th, 2023 under Application NO.: 202305103, GSN003972.

Under the regulations of the current general permit (effective January 1, 2026), the South Campus Chiller Plant Addition project's permit must be renewed. The project has been substantially complete since approximately December 2025.

All areas of the site have been stabilized and all inlet protection and erosion control measures have been removed.

Post construction inspection was completed on December 02, 2025 and final stabilization inspection will be performed in accordance with the General Permit requirements.

Attached to this memo is the Stormwater Pollution Control Plan associated with the original application.

Stormwater Pollution Control Plan
UConn South Campus Infrastructure – Package 2

University of Connecticut
Storrs, Connecticut

Project No. 300241

June 27, 2023

206 West Newberry Road, Bloomfield, CT 06002
(860) 286-9171

Table of Contents

APPPENDICES

1. Introduction

This Stormwater Pollution Control Plan (SWPCP) is being provided as required by Section 5(b) of the 2020 General Permit for the Discharge of Stormwater and Dewatering from Construction Activities.

The South Campus Infrastructure project is divided into two separate bid packages. This permit applies to scope included under Package 2 of the overall project. The permit for Package 1 was submitted to CT DEEP May 12, 2023.

South Campus Infrastructure Package 2 includes construction of the South Chiller Plant addition, a geothermal well field, equipment yard and associated utilities to support the building and campus distribution, along with associated walks and access drives.

The project will be disturbing approximately 2.33 acres. 1.94 acres of the existing area is impervious coverage with 1.74 acres being effective impervious coverage. The proposed project will increase impervious coverage by 0.33 acres, all of which will contribute to effective impervious coverage.

Construction is expected to be started September 2023 and be complete by January 2026

A SHPO review has concluded there will be no adverse impacts to the Campus Historical District from the construction of this project.

2. Site Description and Drainage Patterns

2.1. Hydrology/Hydraulic - Pre-Development Conditions

The UConn South Campus area drains to the east into Mirror Lake which discharges to Roberts Brook. Runoff is collected by drainage structures and piped to the lake. Multiple stormwater detention basins, as well as storm water quality features have been constructed by various developments within the South Campus area.

2.2. Hydrology/Hydraulic - Post-Development Conditions

The project will maintain drainage patterns similar to the existing condition. Stormwater will be collected by drainage structures and tie into existing systems which discharge to Mirror Lake.

3. Construction Sequencing

3.1 Phasing/Logistics

Prior to any excavation on the site, temporary erosion and sedimentation controls will be installed. The contractor shall be responsible for installing and maintaining all erosion control measures as well as modifications needed during all phases of the project.

As demolition is complete in areas, the completed areas will be protected and stabilized.

Sediment and Erosion Control Plans are included in Appendix A. Logistics plans are included in Appendix B.

4. Control Measures

4.1 Erosion and Sediment Control Plan

The sediment and erosion control for this project will address all disturbed areas. A variety of temporary measures will be used throughout construction for soil erosion and sediment control. Multiple details are included with the Contract Documents for measures such as silt fence, stockpile stabilization and inlet protection. All measures taken and implemented shall comply with specifications and standards of the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, latest version.

The installation of erosion control and stabilization shall be installed and coordinated by the contractor throughout the project.

For additional information refer to the soil erosion and sediment control plans and details included in Appendix A.

4.2 Maintenance

All erosion and sediment controls shall be maintained throughout the project. All components of the sediment and erosion controls shall be inspected, repaired, and enhanced routinely throughout the course of this project. All damaged slopes or protective measures shall be repaired and restored as soon as possible.

All protective measures shall be inspected and maintained prior to each forecast storm event in addition to the routine inspections.

The contractor shall have additional materials on site throughout the project to repair or replace all components of the sedimentation and erosion control system at any time.

Maintenance shall include the replacement of sediment collection areas, removal of collected sediment, and restoration of all measures protecting adjacent areas from runoff during the project.

A copy of a sample erosion and sediment controls checklist is included in the Contract Documents.

4.3 Dewatering

Prior to initiating any dewatering, a plan must be proposed by the contractor for review and approval by the owner's representative. All dewatering activities shall be in accordance with the approved "General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities". The contractor shall reroute surface water runoff away from excavated areas and not allow water to accumulate in excavations. The Contractor shall grade and ditch the site as necessary to direct surface runoff away from open excavations and will not use excavated trenches as temporary drainage ditches. The contractor will also install dewatering as required to keep subgrades dry and convey groundwater away from excavations until dewatering is no longer required.

5. Runoff Reduction and Low Impact Development Information

5.1 Runoff Reduction

Capacity for infiltration on site was evaluated by Haley and Aldrich, Inc. Their test borings determined that infiltration practices would not be feasible on site while maintaining a 2' separation from seasonal high ground water. Due this, infiltration practices are not being proposed for the site.

Refer to Infiltration Feasibility Assessment in Appendix C for more detailed information.

5.2 Stormwater Treatment

Currently runoff from the area is being treated through the use of existing hydrodynamic separators upstream of the outfalls into Mirror Lake. The existing separator is planned to be upgraded/replaced under a separate project (Mirror Lake Improvements) to account for increases in impervious coverage from this project, as well as the South Campus Residence Hall project (currently under construction, and permitted separately).

A forebay is also planned to be constructed under the Mirror Lake Improvements project at the outfall which this project discharges to, allowing for further treatment.

Deep sump catch basins will be utilized to aid in sediment removal and storage.

6. Inspections

6.1 Plan Implementation

The Permittee shall conduct a preconstruction meeting with the contractor that conveys the design, stormwater control measures, plan implementation and routine site inspections, erosion and sediment controls, and contract requirements for the project prior to earth disturbance. Such meeting shall include a site walk of the project site.

The erosion and sediment control components will require inspection throughout the project by a Qualified Inspector as defined by the General Permit.

Prior to commencement of each phase of the construction activity on the site, the permittee shall contact the qualified professional to ensure that all required inspections are conducted. Given this project is being conducted by a state agency the individual must be included on the State's list of Qualified Professionals.

For each phase of construction, the site shall be inspected at least once within the first thirty (30) days of construction activity and at least three times, with seven (7) or more days between inspections, within the first ninety (90) days of construction activity to confirm compliance with the general permit and proper initial implementation of all control measures designated in the Plan for each phase of construction.

6.2 Routine Inspections

The permittee is required to perform routine inspections for compliance as required in the General Permit. The routine inspections shall continue until a Notice of Termination has been submitted.

The permittee shall maintain a rain gauge on-site to monitor and document rainfall amounts.

A qualified inspector shall routinely inspect all disturbed areas that have not been stabilized, all sedimentation and erosion control measures, stockpile areas, washout areas, site entrances/exits, etc. Inspections shall occur at least once a week and within 24 hours of an event that generates a discharge.

For storm events that occur on a weekend or holiday inspections are required within 24 hours only for storms that equal or exceed 0.5 inches. If storms are less than 0.5 inches the inspection can occur immediately at the start of the next business day.

The qualified inspector conducting routine inspections shall prepare a report of each inspection. Each such report shall be retained as part of the Plan.

6.3 Post-Contruction Inspections

Post construction stormwater inspections shall be performed per section 5(b)(4)(C) of the Stormwater General Permit. This project is being conducted by state agency, therefore, once all post-construction stormwater measures have been installed in accordance with the Post-Construction Stormwater Management section (subsection 5(b)(2)(C)) and cleaned of any construction sediment or debris, the DOT District Engineer or his/her designee and/or DOT District Environmental Coordinator, or the designated employee of another state agency, will inspect the site to confirm compliance with the post-construction stormwater management requirements of the general permit.

6.4 Final Stabilization Inspection

Once the site has achieved final stabilization for at least one full growing season (April – October) in the year following the end of construction, the Permittee shall have the site inspected by a qualified inspector to confirm such stabilization is maintained. The Permittee shall indicate compliance with this requirement on the Notice of Termination form.

6.5 Corrective Actions

Non-engineered corrective actions shall be implemented on site within 24 hours and incorporated into a revised plan with 3 calendar days of the date of inspection. Engineered corrective actions shall be implemented on site within 7 days and incorporated into a revised plan with 10 days of the date of inspection. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures shall be implemented to minimize the potential for the discharge of pollutants from the site.

For more specific requirements refer to Section 5 (*b*) (4) of the general permit.

6.6 Reporting

A copy of each inspection report shall be submitted electronically via the State's NetDMR tool in accordance with the General Permit.

7. Other Controls

7.1 Waste Disposal

The Contractor will be responsible for the proper handling and disposal of construction waste and debris. All waste material shall be disposed of offsite according to all applicable federal, state and local laws and regulations.

7.2 Washout Areas

Washout of applicators, containers, vehicles and equipment for concrete, paint and other materials shall be conducted in a designated washout area. There shall be no surface discharge of washout wastewaters from this area. Such washout shall be conducted: (1) outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource; or (2) in an entirely self-contained washout system. The permittee shall clearly flag off and designate areas to be used for washing and conduct such activities only in these areas. The permittee shall direct all washwater into a container or pit designed such that no overflows can occur during rainfall or after snowmelt. Dumping of waste wash water into storm sewers is not permitted. Waste water for washing shall be disposed of per all applicable federal, state and local laws and regulations.

7.3 Sediment Tracking and Dust Control

Stone construction entrances and haul roads shall be installed and maintained where vehicles enter or leave the site. Inlet protection shall be installed as shown on the Soil Erosion and Sediment Control plans in Appendix A.

Dust suppression shall be provided in accordance with the erosion control specifications, and 22a-174-18b of the Connecticut General Statutes for any construction activity that causes airborne particulates.

7.4 Chemical and Petroleum Storage

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.

8. Records Keeping

The permittee shall retain copies of the plan and all reports required by the general permit, and all records used to complete the registration for this general permit, for a period of 5 years from the date that construction is complete. Inspection records must be retained for 5 years after the date of inspection. A copy of this plan shall be retained at the site until construction is complete.

9. Termination Requirements

At the completion of the project the Permittee shall submit a Notice of Termination. A project shall be considered complete after all post-construction measures are installed, cleaned, functioning, and inspected and the site has achieved final stabilization and inspection (see Sections 5(b)(4)(C) & (D) of the general permit, respectively) for at least one full growing season (April through October) in the year following the cessation of activities. Final stabilization must be achieved before a Notice of Termination may be submitted.

A site is considered stabilized when there is no active erosion or sedimentation present and no disturbed areas remain exposed for all phases and silt fence and other temporary measures are removed.

Once the site has been stabilized for at least one growing season, the registrant shall have the site inspected by a qualified inspector to confirm final stabilization. The registrant shall indicate compliance with this requirement on the notice of termination form.

A final copy of the stormwater pollution control plan and all inspection records shall be submitted to the design engineer and registrant.

10. Contractor Certification Statements

Contractor Certification Statement

The plan shall clearly identify each contractor and subcontractor that will perform construction activities on the site that have the potential to cause pollution of the waters of the State. The Plan shall include a copy of the certification statement in the "Contractor Certification Statement" section, below, signed by each such contractor and subcontractor.

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with construction activities. I understand that as a contractor or subcontractor at the site, I am authorized by this General Permit, and must comply with the terms and conditions of this permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site."		
Signatory	Company Information	Responsible For
_____ (Name) _____ (Position) _____ (Signature) _____ (Date)	_____ (Company) _____ (Street/P.O. Box) _____ (City, State, Zip) _____ (Phone)	_____ _____ _____ _____ (Activity)

Contractor Certification Statement (continued from previous page if additional signatures are required)

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with construction activities. I understand that as a contractor or subcontractor at the site, I am authorized by this General Permit, and must comply with the terms and conditions of this permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site."		
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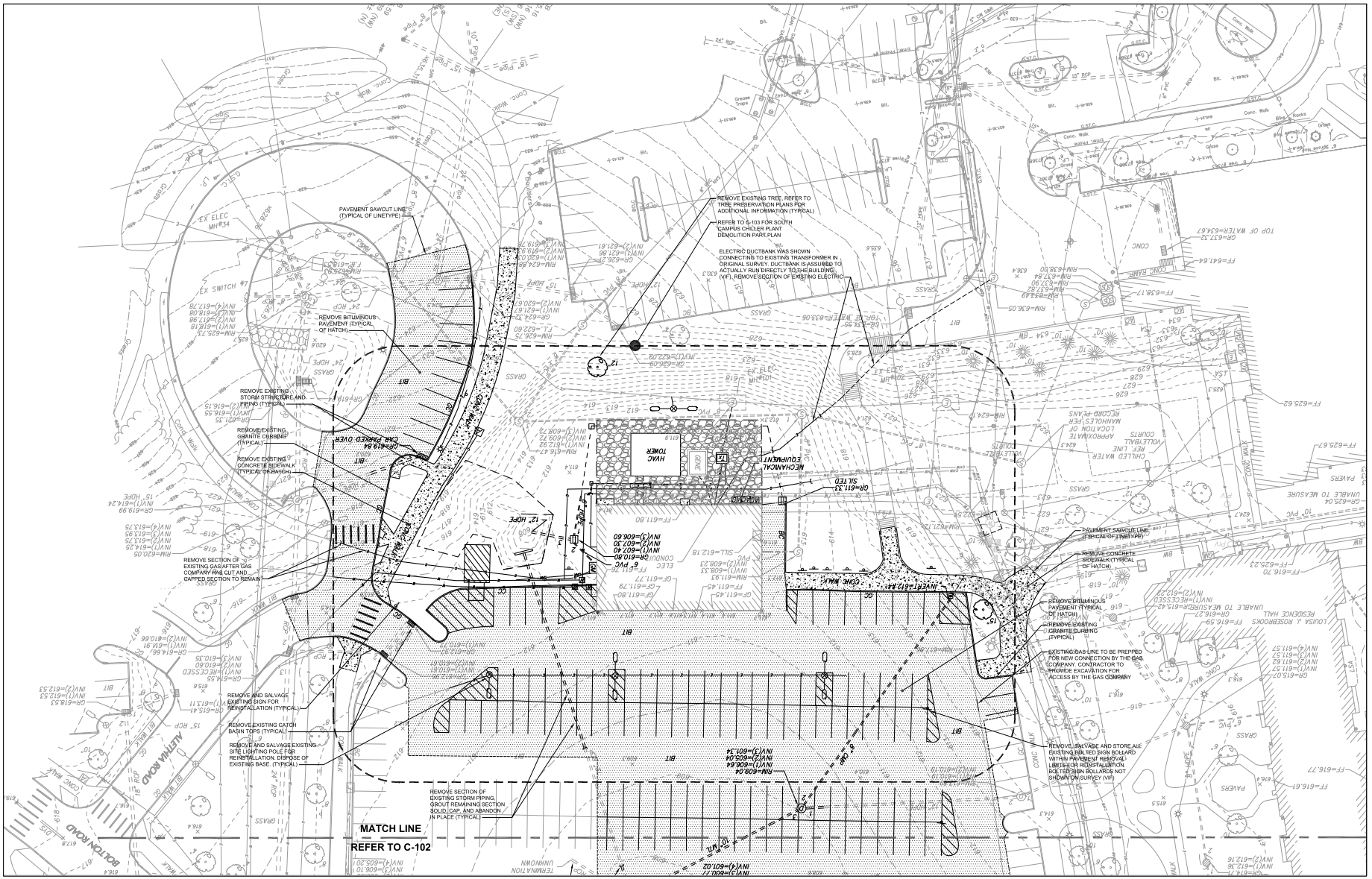
_____ (Name) _____ (Position) _____ (Signature) _____ (Date)	_____ (Company) _____ (Street/P.O. Box) _____ (City, State, Zip) _____ (Phone)	_____ _____ _____ _____ (Activity)

BVH
A SALASO'BRIEN COMPANY

APPENDIX A



DEMOLITION GENERAL NOTES:

1. ALL EXISTING UTILITIES, PLANTINGS, SIGNS, CURBING, PAVEMENT, SITE WALLS, ETC. SHOWN IN BOLD TO BE REMOVED.
2. COORDINATE LIMIT OF DEMOLITION WITH ALL PROPOSED WORK.
3. EXISTING BITUMINOUS PAVEMENT TO BE SAWCUT AT ALL LOCATIONS WHERE EXISTING BITUMINOUS PAVEMENT WILL MATCH NEW BITUMINOUS PAVEMENT.
4. EXISTING SIDEWALKS (BITUMINOUS AND CONCRETE) TO BE SAWCUT AT ALL LOCATIONS WHERE EXISTING SIDEWALKS MATCH NEW SIDEWALKS. CONCRETE SIDEWALKS TO BE SAWCUT AT JOINTS.
5. ALL REQUIRED UTILITY DISCONNECTS AND/OR ABANDONMENT TO BE COORDINATED WITH RESPECTIVE UTILITY COMPANIES AND OWNER PRIOR TO CONSTRUCTION PHASING.
6. CONTRACTOR IS TO PROTECT AND MAINTAIN ALL EXISTING UTILITIES TO REMAIN.
7. CONTRACTOR TO INSTALL ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AND TREE PROTECTION FENCING PRIOR TO START OF DEMOLITION OR CONSTRUCTION.

SITE DEMOLITION MATERIAL LEGEND:

- BITUMINOUS PAVEMENT
- CONCRETE SIDEWALK
- STONE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

CERTIFICATION:

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

STATUS

BVH
A SALASOBRIEN COMPANY
200 WEST HEWENWAY ROAD BLOOMFIELD, CT 06002
860.286.0171

CONSULTANT:

REVISIONS:

#	DATE	DESCRIPTION

UNIVERSITY OF CONNECTICUT
UNIVERSITY PLANNING DESIGN & CONSTRUCTION
31 LEDOYT ROAD UNIT 3058
STORRS, CONNECTICUT 06269-3058
TELEPHONE (860) 486-3127
FACSIMILE (860) 486-3177

PROJECT:

UConn South Campus
Infrastructure - Package 2

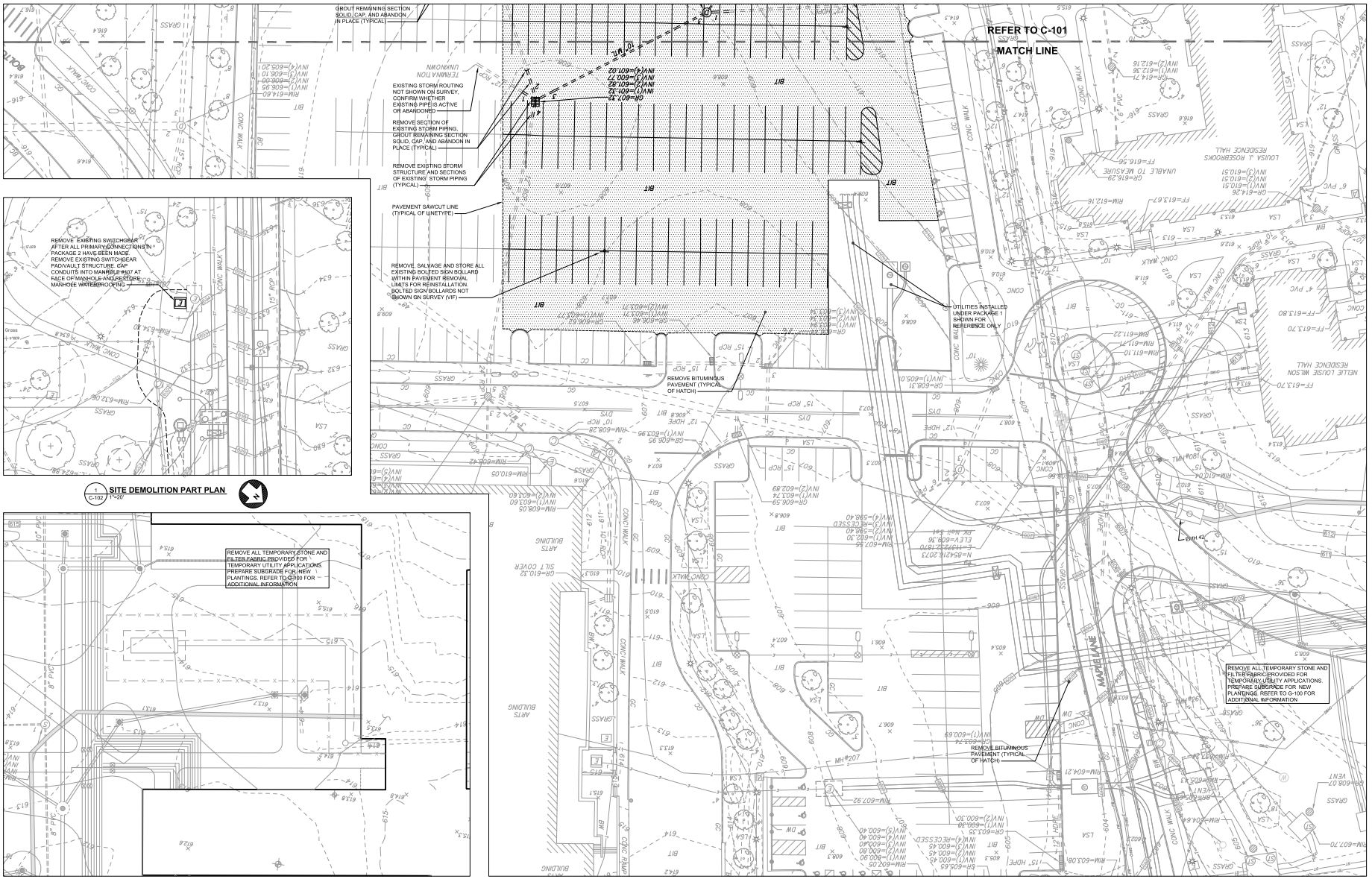
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE DEMOLITION PLAN

SHEET:

C-101



1 / C-102 **SITE DEMOLITION PART PLAN** 1"=20'

2 / C-102 **SITE DEMOLITION PART PLAN** 1"=20'

DEMOLITION GENERAL NOTES:

1. ALL EXISTING UTILITIES, PLANTINGS, SIGNS, CURBING, PAVEMENT, SITE WALLS, ETC. SHOWN IN BOLD TO BE REMOVED.
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SITE DEMOLITION MATERIAL LEGEND:

- BITUMINOUS PAVEMENT
- CONCRETE SIDEWALK
- STONE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

CERTIFICATION:

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STATUS

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860.286.0171

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REVISIONS:

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UNIVERSITY PLANNING DESIGN & CONSTRUCTION
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STORRS, CONNECTICUT 06269-3038
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FACSIMILE: (860) 486-3177

PROJECT:

UConn South Campus
Infrastructure - Package 2

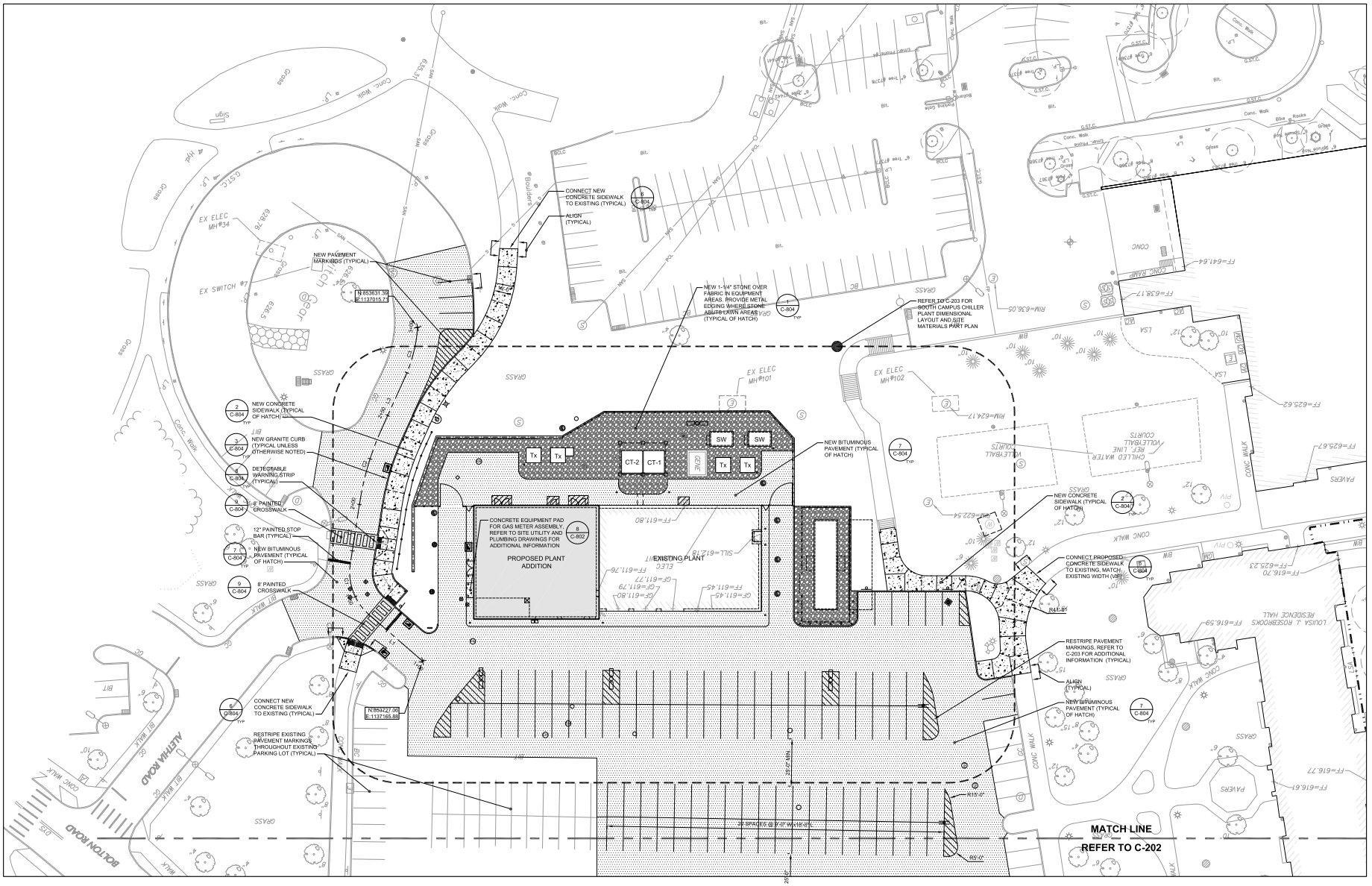
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE DEMOLITION PLAN

SHEET:

C-102



SITE LAYOUT GENERAL NOTES:

1. ALL PARKING SPACES, HATCHED AREAS AND PAVEMENT SYMBOLS TO BE PAINTED WITH WHITE TRAFFIC PAINT UNLESS NOTED OTHERWISE, SEE SPECIFICATION FOR ADDITIONAL INFORMATION.
2. ALL RADII SHOWN ARE INTERIOR RADII. ADD WIDTH OF WALK OR CURB TO CALCULATE EXTERIOR RADII.

SITE MATERIAL LEGEND:

BITUMINOUS PAVEMENT
CONCRETE WALK
2" STONE

CURB LEGEND:
TC = TRANSITION CURB
FC = FLUSH CURB

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S9° 18' 14"W	37.83 ft.
L2	S67° 09' 27"W	33.12 ft.
L3	S82° 40' 44"W	30.83 ft.

CURVE TABLE			
CURVE	RADIUS	DELTA	TANGENT
C1	30.00	57°51'13"	16.58
C2	150.00	15°31'17"	20.44
C3	76.00	20°34'31"	13.79

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

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PROJECT:

UConn South Campus Infrastructure - Package 2

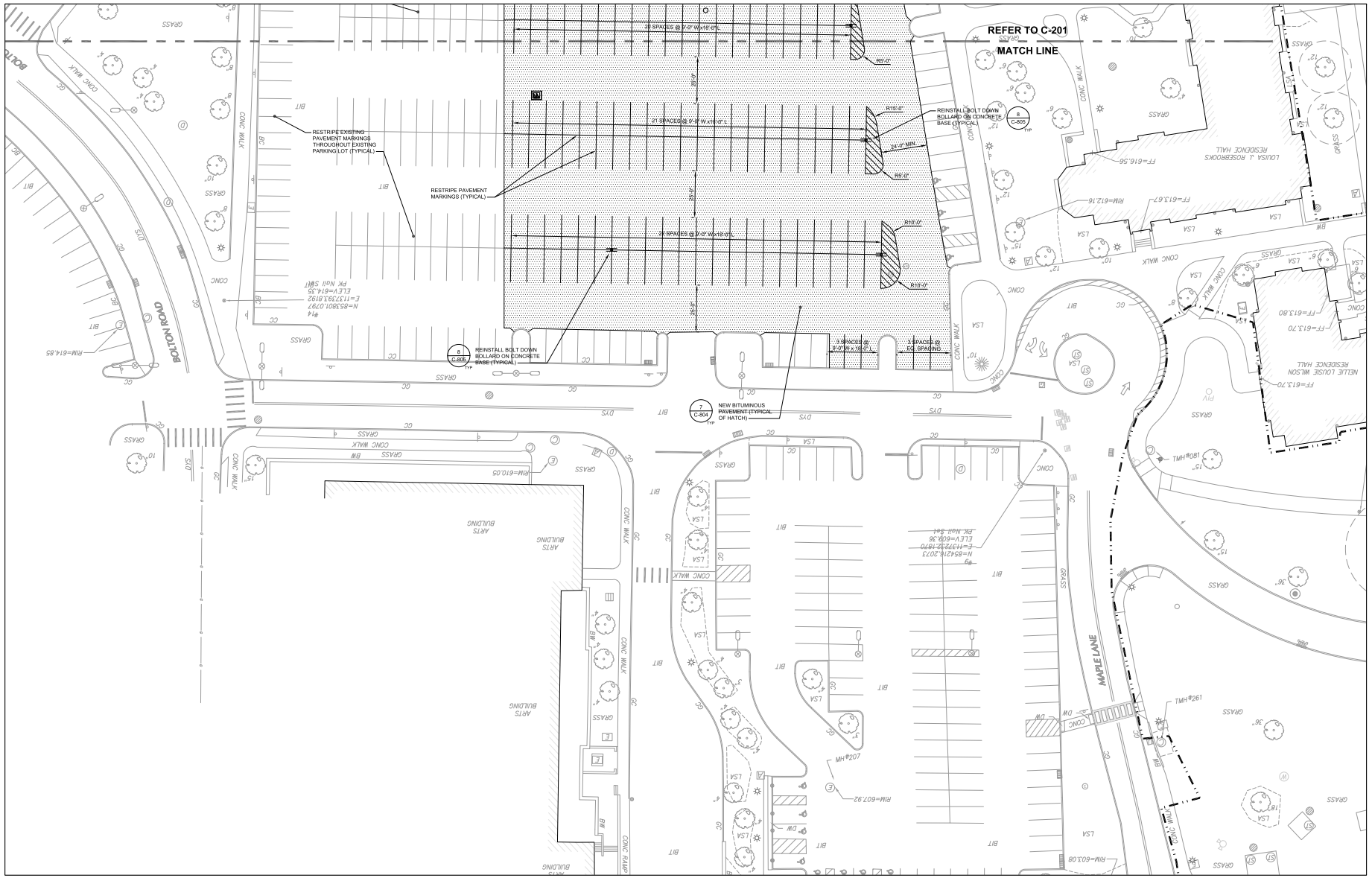
PROJECT NO:	3002-41
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE MATERIALS PLAN

SHEET:

C-201



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2. ALL RADII SHOWN ARE INTERIOR RADII. ADD WIDTH OF WALK OR CURB TO CALCULATE EXTERIOR RADII.

CURB LEGEND:
TC = TRANSITION CURB
FC = FLUSH CURB

SITE MATERIAL LEGEND:

BITUMINOUS PAVEMENT
CONCRETE WALK
2" STONE

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

CERTIFICATION:

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STATUS:

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CONSULTANT:

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PROJECT:

UConn South Campus
Infrastructure - Package 2

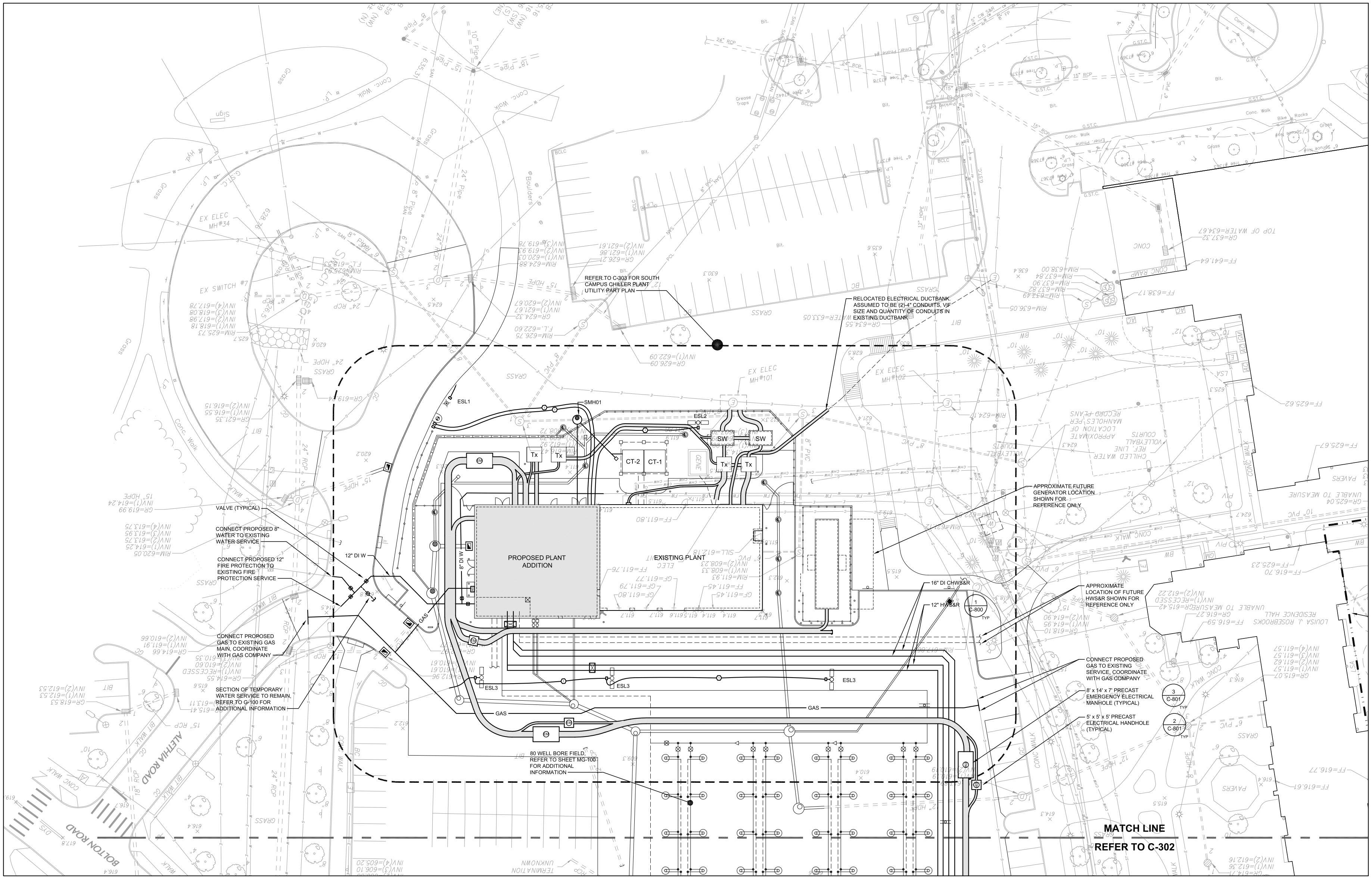
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE MATERIALS PLAN

SHEET:

C-202



CONDUIT SCHEDULE

- (1) (1) - 1" DIRECT BURY PVC CONDUIT
- (1A) (1) - 5" CONDUIT ENCASED IN CONCRETE
- (2) (2) - 4" CONDUITS ENCASED IN CONCRETE
- (2A) (2) - 5" CONDUITS ENCASED IN CONCRETE
- (4) (4) - 2" CONDUITS ENCASED IN CONCRETE
- (4A) (2) - 3" & (2) - 5" CONDUITS ENCASED IN CONCRETE
- (4B) (4) - 3" CONDUITS ENCASED IN CONCRETE
- (4C) (4) - 5" CONDUITS ENCASED IN CONCRETE
- (6) (6) - 4" CONDUITS ENCASED IN CONCRETE
- (6A) (6) - 5" CONDUITS ENCASED IN CONCRETE
- (8) (8) - 4" CONDUITS ENCASED IN CONCRETE
- (8A) (4) - 2" & (4) - 3" CONDUITS ENCASED IN CONCRETE
- (8B) (4) - 3" & (4) - 5" CONDUITS ENCASED IN CONCRETE
- (10) (4) - 2" & (6) - 5" CONDUITS ENCASED IN CONCRETE
- (10A) (10) - 5" CONDUITS ENCASED IN CONCRETE
- (12) (12) - 5" CONDUITS ENCASED IN CONCRETE
- (18) (4) - 2", (4) - 3", & (10) - 5" CONDUITS ENCASED IN CONCRETE

UTILITY TRENCH SCHEDULE	
ELECTRIC (DIRECT BURY)	2/C-802
ELECTRIC (CONCRETE ENCASED)	1/C-802
EMERGENCY (CONCRETE ENCASED)	1/C-802
HOT WATER & CHILLED WATER	5/C-800
WATER, GAS, SANITARY AND STORM	7/C-803

UTILITY GENERAL NOTES:

1. STORM DRAINAGE IS SHOWN FOR REFERENCE ONLY.
2. ALL SITE DISTURBANCE DUE TO LAYOUT OF SITE LIGHTING WIRING SHALL BE RESTORED TO EXISTING CONDITIONS.
3. FOR UTILITY TRENCH DETAILS, REFER TO UTILITY TRENCH SCHEDULE.
4. EXISTING MANHOLES ARE TO BE RESET AS REQUIRED TO MATCH NEW GRADES.
5. FINAL TOP OF FRAME ELEVATIONS FOR NEW UTILITY STRUCTURES MAY NEED TO BE FIELD ADJUSTED TO COORDINATE WITH SITE CONDITIONS AND FINAL GRADING (TYPICAL).
6. FIELD VERIFY PROPOSED CONNECTIONS TO EXISTING UTILITY SYSTEMS PRIOR TO INSTALLING PROPOSED WORK.
7. REFER TO SHEET C-303 FOR SANITARY STRUCTURE SCHEDULE.
8. REFER TO 1/C-803 FOR WATER UTILITY JOINT RESTRAINT REQUIREMENTS.
9. MAINTAIN ALL EXISTING CIRCUITRY FOR REINSTALLED SITE LIGHTING. ASSUME WIRE SIZES OF (2) #8 AND (1) #8 GND. CONTRACTOR TO VERIFY EXISTING CIRCUITRY AND WIRE SIZES AND SUBMIT TO THE UNIVERSITY AND ENGINEER TO REVIEW.
10. DUCTBANK CONDUIT ARRANGEMENTS TO HAVE A MAXIMUM OF TWO HORIZONTAL ROWS UNLESS OTHERWISE APPROVED BY OWNER AND ENGINEER.

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

CERTIFICATION:

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

STATUS:

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A SALASOBRIEN COMPANY
205 WEST NEWBERRY ROAD BLOOMFIELD, CT 06002
860.286.9171

CONSULTANT:

REVISIONS:

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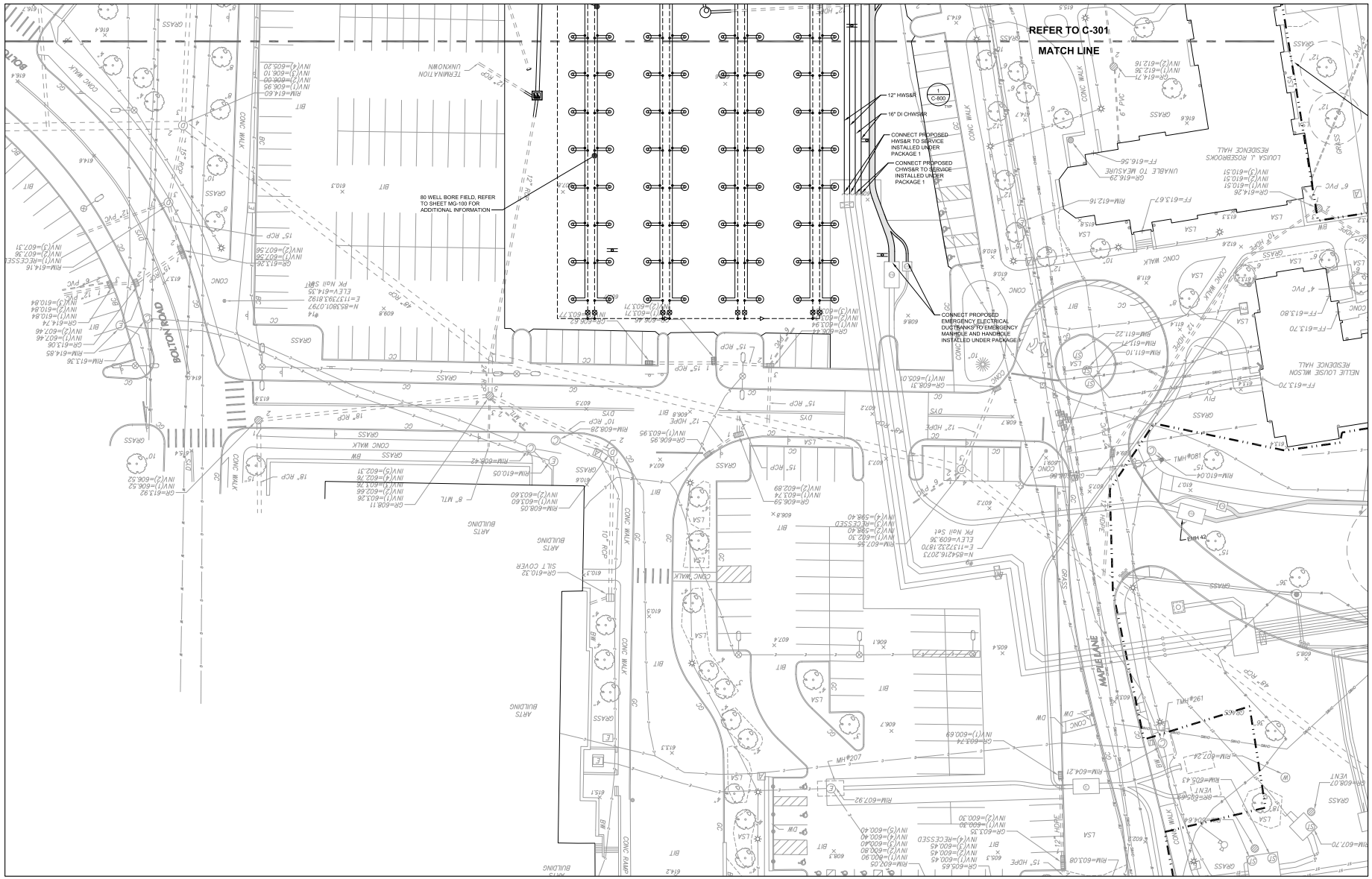
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE UTILITY PLAN

SHEET:

C-301



CONDUIT SCHEDULE

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1A	(1) - 5" CONDUIT ENCASED IN CONCRETE
2	(2) - 4" CONDUITS ENCASED IN CONCRETE
2A	(2) - 5" CONDUITS ENCASED IN CONCRETE
4	(4) - 2" CONDUITS ENCASED IN CONCRETE
4A	(2) - 3" & (2) - 5" CONDUITS ENCASED IN CONCRETE
4B	(4) - 3" CONDUITS ENCASED IN CONCRETE
4C	(4) - 5" CONDUITS ENCASED IN CONCRETE
6	(6) - 4" CONDUITS ENCASED IN CONCRETE
6A	(6) - 5" CONDUITS ENCASED IN CONCRETE
8	(8) - 4" CONDUITS ENCASED IN CONCRETE
8A	(4) - 2" & (4) - 3" CONDUITS ENCASED IN CONCRETE
8B	(4) - 3" & (4) - 5" CONDUITS ENCASED IN CONCRETE
10	(4) - 2" & (6) - 5" CONDUITS ENCASED IN CONCRETE
10A	(10) - 5" CONDUITS ENCASED IN CONCRETE
12	(12) - 5" CONDUITS ENCASED IN CONCRETE
18	(4) - 2", (4) - 3", & (10) - 5" CONDUITS ENCASED IN CONCRETE

UTILITY TRENCH SCHEDULE

ELECTRIC (DIRECT BURY)	2/C-802
ELECTRIC (CONCRETE ENCASED)	1/C-802
EMERGENCY (CONCRETE ENCASED)	1/C-802
HOT WATER & CHILLED WATER	5/C-800
WATER, GAS, SANITARY AND STORM	7/C-803

UTILITY GENERAL NOTES:

1. STORM DRAINAGE IS SHOWN FOR REFERENCE ONLY.
2. ALL SITE DISTURBANCE DUE TO LAYOUT OF SITE LIGHTING WIRING SHALL BE RESTORED TO EXISTING CONDITIONS.
3. FOR UTILITY TRENCH DETAILS, REFER TO UTILITY TRENCH SCHEDULE.
4. EXISTING MANHOLES ARE TO BE RESET AS REQUIRED TO MATCH NEW GRADES.
5. FINAL TOP OF FRAME ELEVATIONS FOR NEW UTILITY STRUCTURES MAY NEED TO BE FIELD ADJUSTED TO COORDINATE WITH SITE CONDITIONS AND FINAL GRADING (TYPICAL).
6. FIELD VERIFY PROPOSED CONNECTIONS TO EXISTING UTILITY SYSTEMS PRIOR TO INSTALLING PROPOSED WORK.
7. REFER TO SHEET C-303 FOR SANITARY STRUCTURE SCHEDULE.
8. REFER TO 1/C-803 FOR WATER UTILITY JOINT RESTRAINT REQUIREMENTS.
9. MAINTAIN ALL EXISTING CIRCUITRY FOR REINSTALLED SITE LIGHTING. ASSUME WIRE SIZES OF (2) #8 AND (1) #8 GND. CONTRACTOR TO VERIFY EXISTING CIRCUITRY AND WIRE SIZES AND SUBMIT TO THE UNIVERSITY AND ENGINEER TO REVIEW.
10. DUCTBANK CONDUIT ARRANGEMENTS TO HAVE A MAXIMUM OF TWO HORIZONTAL ROWS UNLESS OTHERWISE APPROVED BY OWNER AND ENGINEER.

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

CERTIFICATION:

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

STATUS

BVH
A SALASOBRIEN COMPANY
200 WEST HIGHWOODS ROAD BLOOMFIELD, CT 06002
860.286.0171

CONSULTANT:

REVISIONS:

#	DATE	DESCRIPTION

UNIVERSITY OF CONNECTICUT
UNIVERSITY PLANNING DESIGN & CONSTRUCTION
31 LEDOYT ROAD UNIT 3058
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TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

UConn South Campus
Infrastructure - Package 2

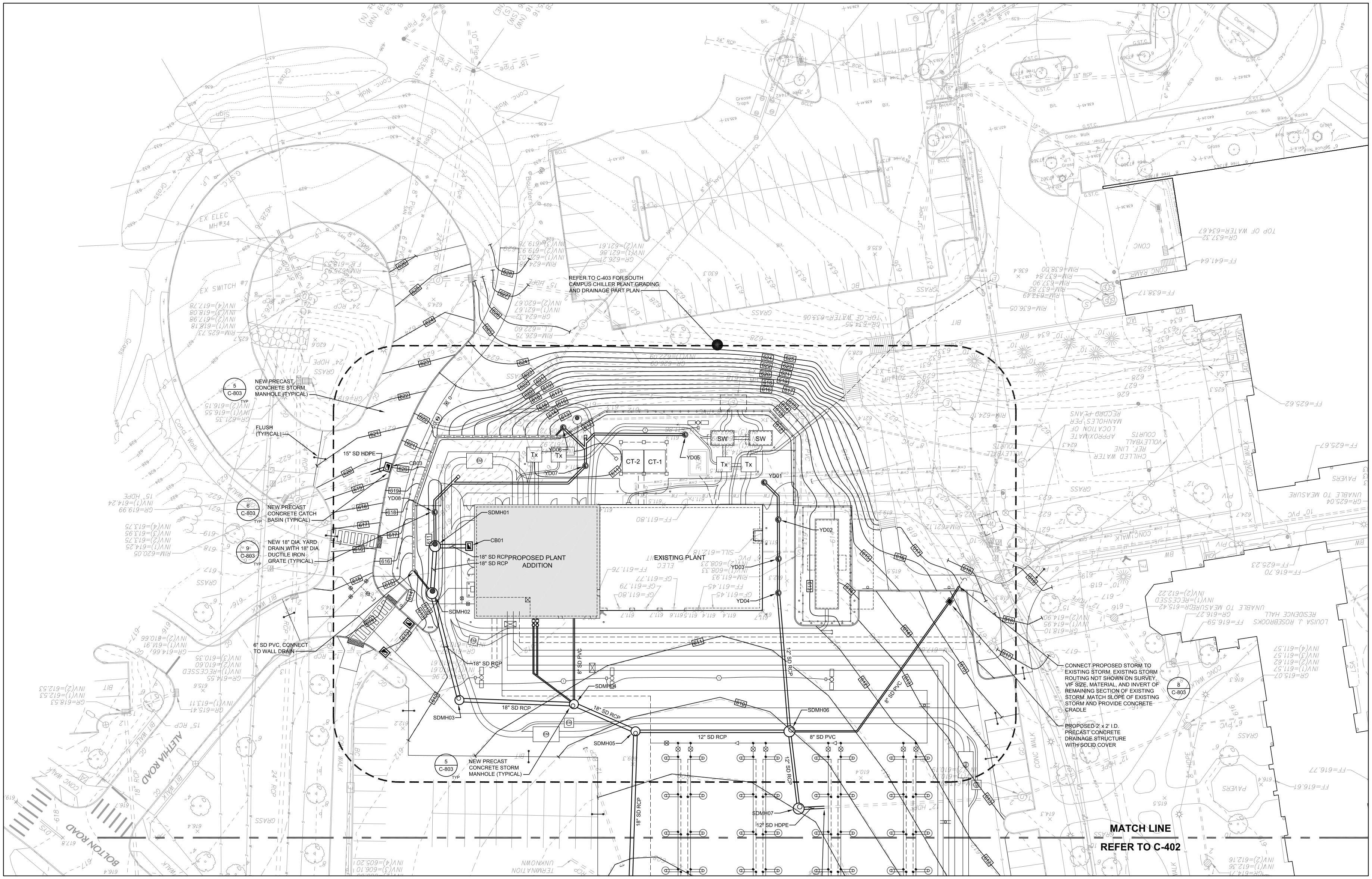
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE UTILITY PLAN

SHEET:

C-302



GRADING AND DRAINAGE GENERAL NOTES:

1. PROPOSED GRADES INDICATE INTENT. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND MAKE FIELD ADJUSTMENTS AS REQUIRED AND AUTHORIZED BY THE OWNER, TO MEET FIELD CONDITIONS AND TO PROVIDE POSITIVE SURFACE DRAINAGE TOWARD NEW OR EXISTING DRAINAGE INLETS. ADJUST EXISTING DRAINAGE STRUCTURES TOP ELEVATIONS AS REQUIRED.
2. HANDICAP ACCESSIBLE ROUTE MUST COMPLY WITH CITY AND STATE REQUIREMENTS.
3. ALL HANDICAP PARKING SPACES TO BE NO MORE THAN 2% SLOPE IN ANY DIRECTION.
4. UTILITIES ARE SHOWN FOR REFERENCE ONLY.
5. FINAL TOP OF FRAME ELEVATIONS FOR NEW DRAINAGE STRUCTURES MAY NEED TO BE FIELD ADJUSTED TO COORDINATE WITH SITE CONDITIONS AND FINAL GRADING (TYPICAL).
6. ADJUST TOP OF FRAMES OF EXISTING DRAINAGE STRUCTURES TO MEET PROPOSED GRADES.
7. REFER TO C-400 FOR STORM DRAINAGE STRUCTURE SCHEDULE.

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

CERTIFICATION:

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STATUS:

BVH
A SALASOBRIEN COMPANY
205 WEST NEWBERRY ROAD BLOOMFIELD, CT 06002
860.286.9171

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PROJECT:

UConn South Campus Infrastructure - Package 2

PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

SITE GRADING AND DRAINAGE PLAN

SHEET:

C-401

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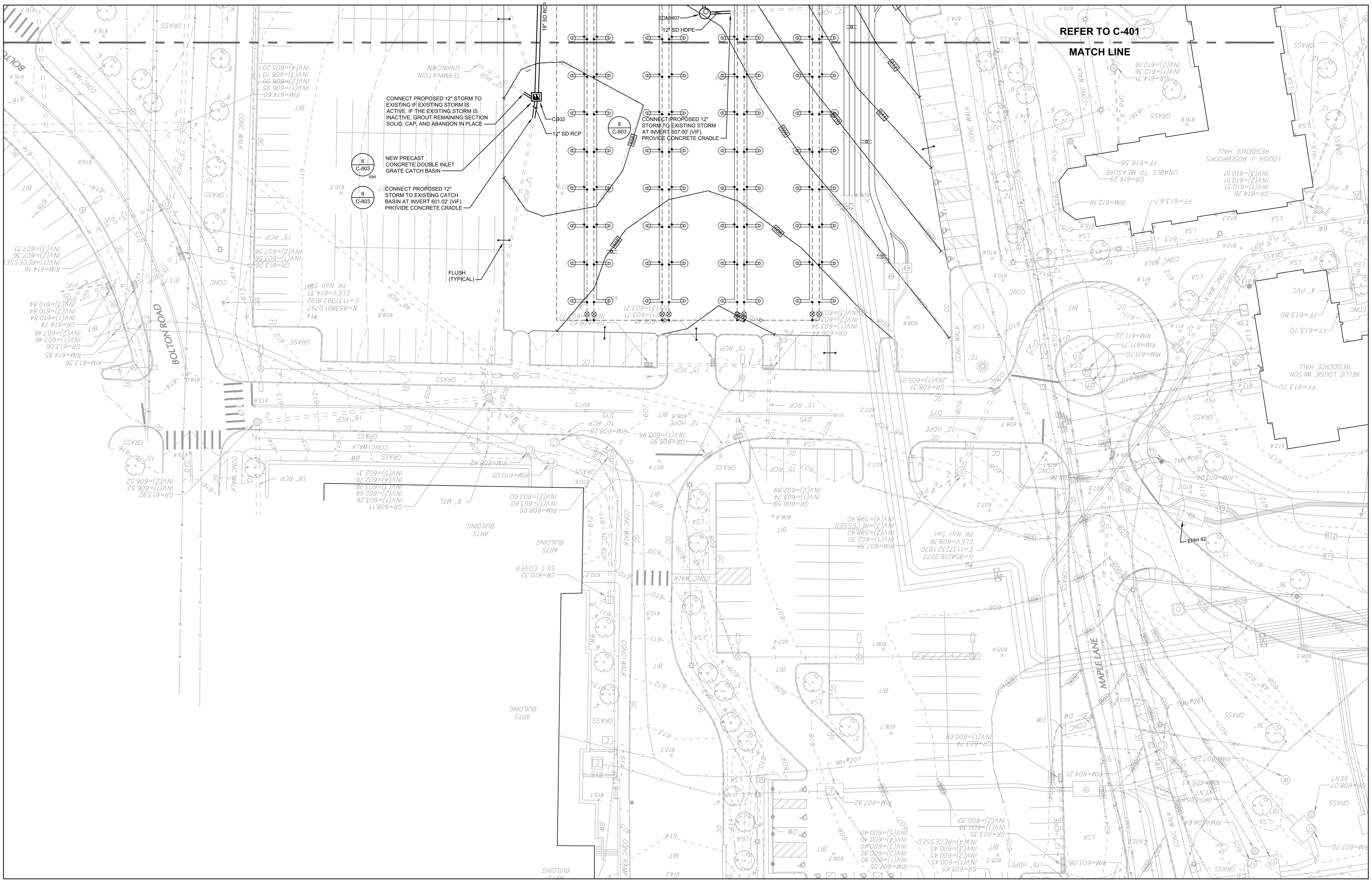

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AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

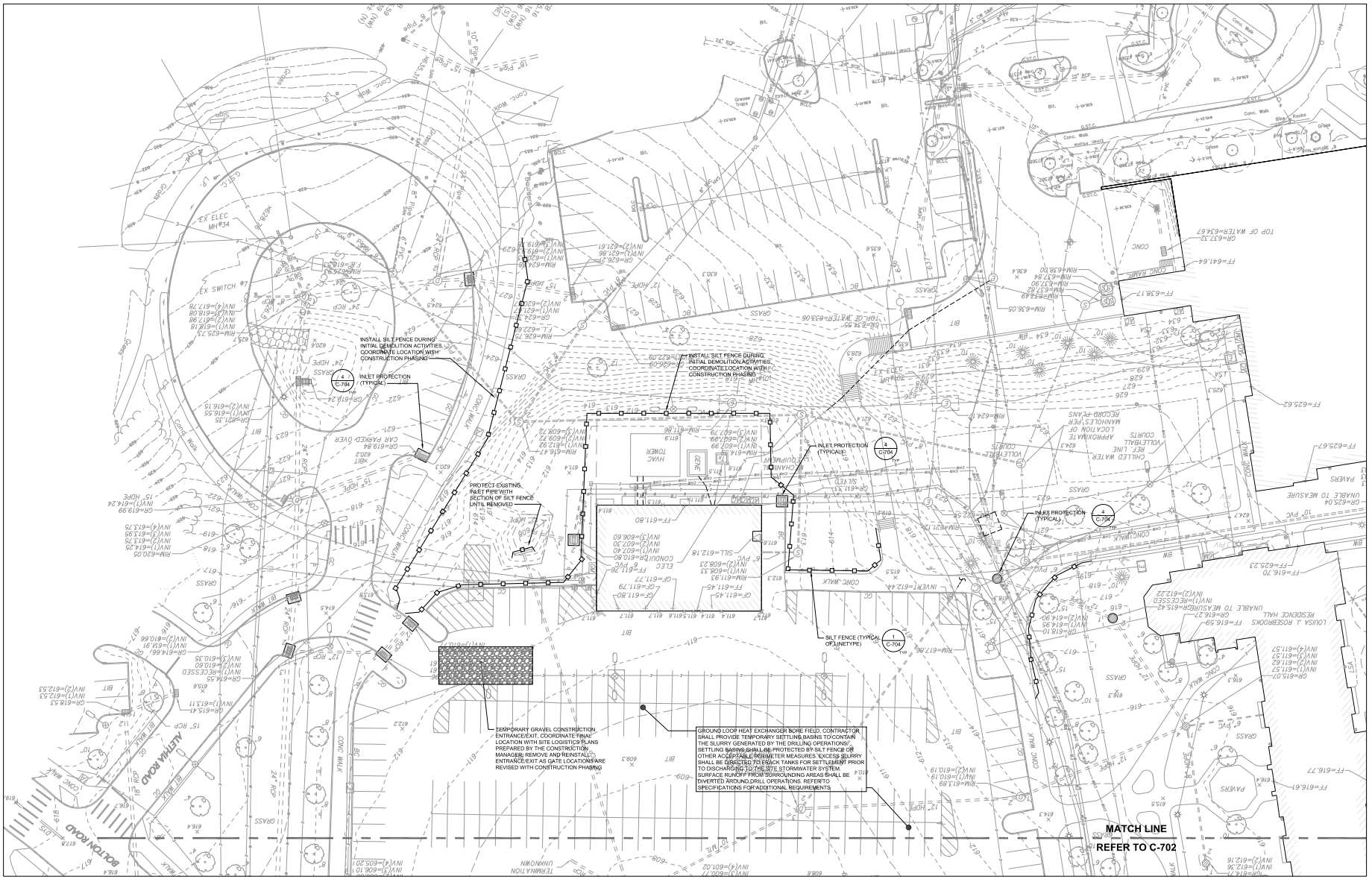
SHEET TITLE:

SITE GRADING AND DRAINAGE PLAN

SHEET:

C-402

6/9/23 1:29:21 PM W:\2022\226201023 - UConn Framework SCRH Infrastructure\DWGS\C\226201023-grddrn-P2.dwg



SOIL EROSION AND SEDIMENTATION CONTROL GENERAL NOTES:

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2. REFER TO C-703 AND TO THE STORMWATER POLLUTION CONTROL PLAN FOR SOIL EROSION AND SEDIMENTATION CONTROL NARRATIVES.
3. INSTALL AND MAINTAIN INLET PROTECTION ON ALL EXISTING STRUCTURES. EXISTING STRUCTURES INDICATED TO BE REMOVED SHALL BE PROTECTED UNTIL ACTUAL DEMOLITION IS TO OCCUR.
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GRAPHIC SCALE

0 10 20 40

(IN FEET)
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STATUS

BVH
A SALASOBRIEN COMPANY
280 WEST HENNEPIN ROAD BLOOMFIELD, CT 06002
860.286.0171

CONSULTANT:

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PROJECT:

UConn South Campus
Infrastructure - Package 2

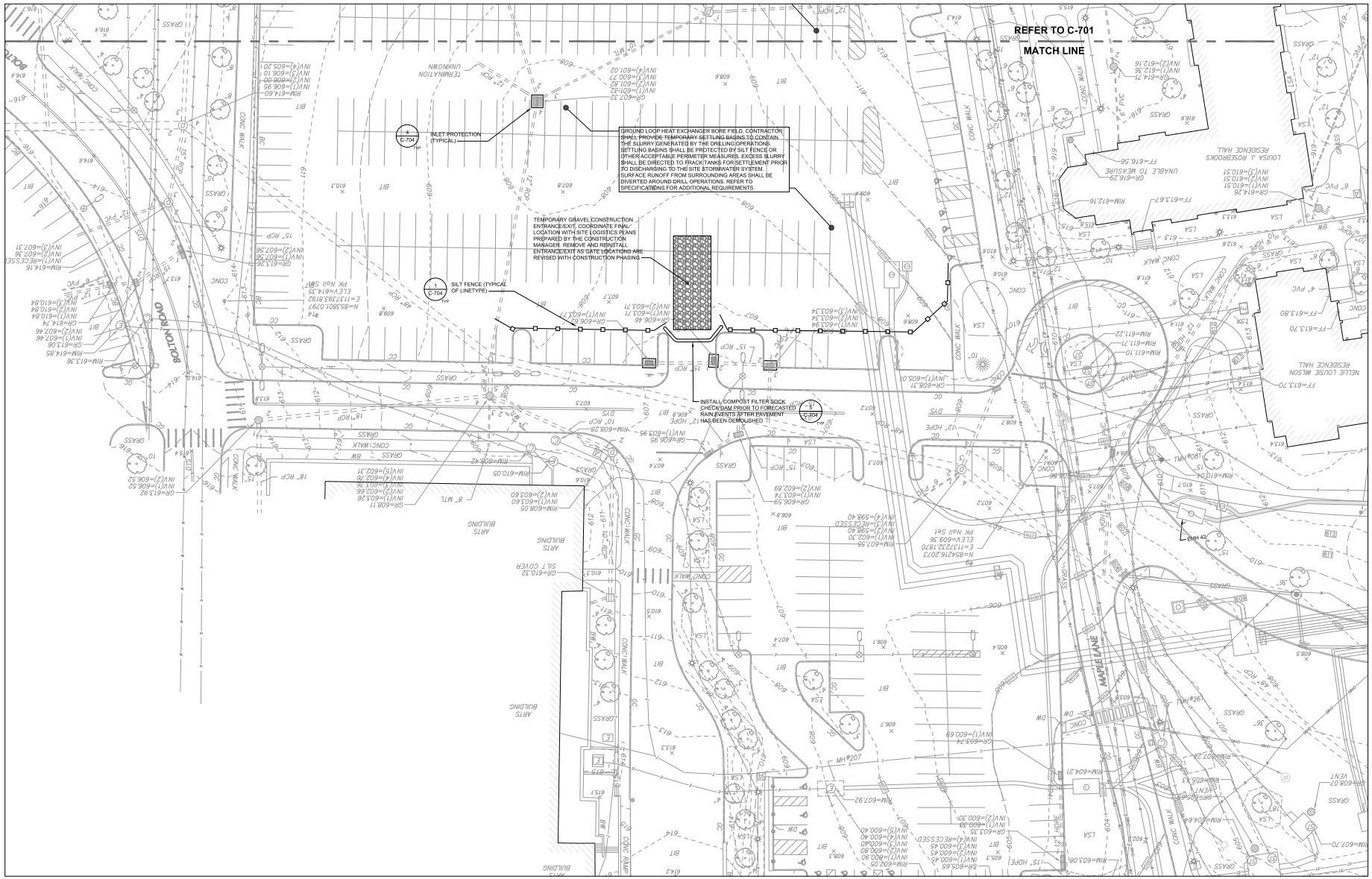
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

EROSION CONTROL INITIAL PLAN

SHEET:

C-701



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GRAPHIC SCALE

(IN FEET)
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STATUS

BVH
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280 WEST HENNEPIN ROAD BLOOMFIELD, CT 06002
860.286.0171

CONSULTANT:

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PROJECT:

UConn South Campus
Infrastructure - Package 2

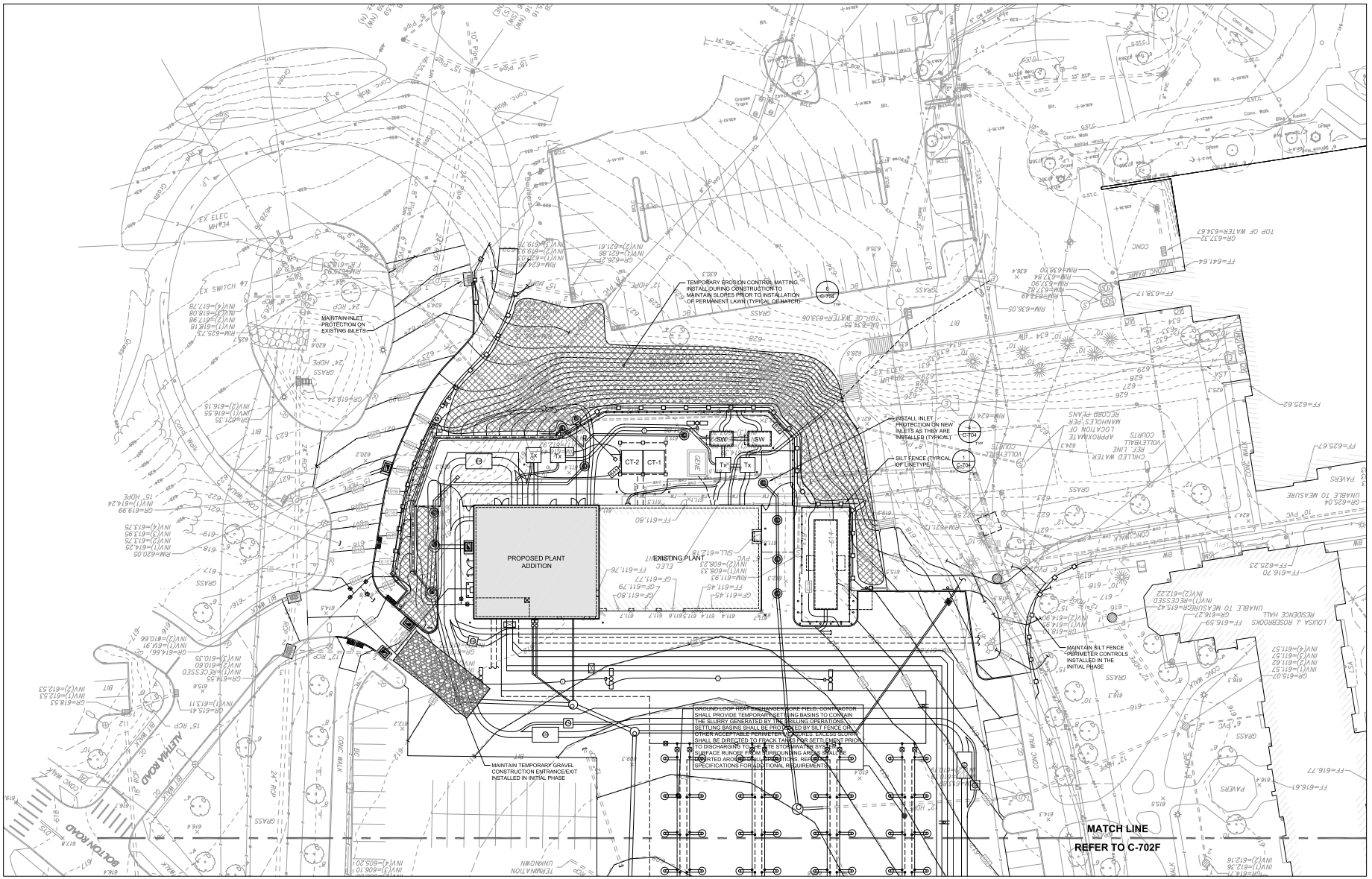
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

EROSION CONTROL INITIAL PLAN

SHEET:

C-702



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200 WEST HIGGINS ROAD BLOOMFIELD, CT 06002
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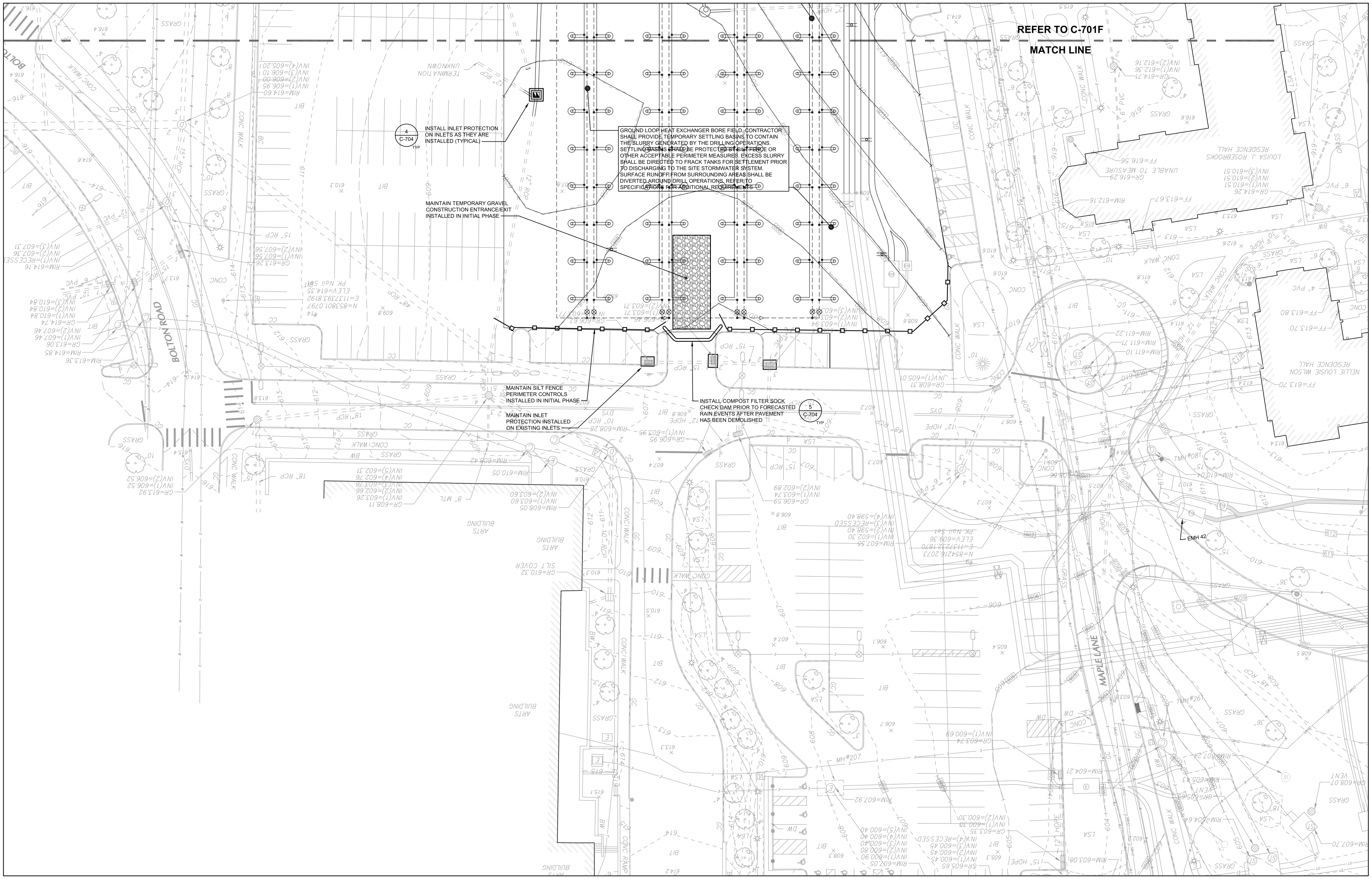
DRAFTER:	ALP/CEC
SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

EROSION CONTROL FINAL PLAN

SHEET:

C-701F



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SCALE:	1" = 20'
PRINT DATE:	06/09/2023

SHEET TITLE:

EROSION CONTROL FINAL PLAN

SHEET:

C-702F

GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES REQUIREMENTS

INSPECTIONS

-PLAN IMPLEMENTATION:

THE EROSION AND SEDIMENT CONTROL COMPONENTS WILL REQUIRE INSPECTION THROUGHOUT THE PROJECT BY A QUALIFIED INSPECTOR

QUALIFIED INSPECTOR MEANS AN INDIVIDUAL POSSESSING EITHER:

(1) A PROFESSIONAL LICENSE OR CERTIFICATION BY A PROFESSIONAL ORGANIZATION RECOGNIZED BY THE COMMISSIONER RELATED TO AGRONOMY, CIVIL ENGINEERING, LANDSCAPE ARCHITECTURE, SOIL SCIENCE, AND TWO YEARS OF DEMONSTRABLE AND FOCUSED EXPERIENCE IN EROSION AND SEDIMENT CONTROL PLAN READING, INSTALLATION, INSPECTION AND/OR REPORT WRITING FOR RESIDENTIAL AND COMMERCIAL CONSTRUCTION PROJECTS IN ACCORDANCE WITH THE GUIDELINES;

(2) FIVE YEARS OF DEMONSTRABLE AND FOCUSED EXPERIENCE IN EROSION AND SEDIMENT CONTROL PLAN READING, INSTALLATION, INSPECTION AND/OR REPORT WRITING FOR RESIDENTIAL AND COMMERCIAL CONSTRUCTION PROJECTS IN ACCORDANCE WITH THE GUIDELINES

(3) CERTIFICATION BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION (DOT).

THE IMPLEMENTATION PORTION OF THE GENERAL PERMIT REQUIRES UP TO 3 INSPECTIONS WITHIN THE FIRST 90 DAYS OF THE PROJECT. THE QUALIFIED INSPECTOR WILL BE REQUIRED TO REPORT ON THE CONDITIONS, WHETHER THEY ARE COMPLIANT OR DEFICIENT. IF THE PROJECT CONDITIONS ARE ACCEPTABLE AFTER THE FIRST, SECOND, OR THIRD INSPECTION THE PROJECT CAN MOVE FORWARD. IF THE CONDITIONS ARE STILL DEFICIENT AFTER THE THIRD INSPECTION THE QUALIFIED INSPECTOR IS REQUIRED TO REPORT THE FINDINGS TO THE CT DEEP WHO WILL THEN INTERVENE.

-ROUTINE INSPECTIONS:

THE PERMITTEE IS REQUIRED TO PERFORM ROUTINE INSPECTIONS FOR COMPLIANCE AS REQUIRED IN THE GENERAL PERMIT. THE ROUTINE INSPECTIONS SHALL CONTINUE UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED.

THE PERMITTEE SHALL MAINTAIN A RAIN GAUGE ON-SITE TO MONITOR AND DOCUMENT RAINFALL AMOUNTS.

A QUALIFIED INSPECTOR (PROVIDED BY THE PERMITTEE) SHALL ROUTINELY INSPECT ALL DISTURBED AREAS THAT HAVE NOT BEEN STABILIZED, ALL SEDIMENTATION AND EROSION CONTROL MEASURES, STOCKPILE AREAS, WASHOUT AREAS, SITE ENTRANCES/EXITS, ETC. INSPECTIONS SHALL OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF AN EVENT THAT GENERATES A DISCHARGE.

FOR STORM EVENTS THAT OCCUR ON A WEEKEND OR HOLIDAY INSPECTIONS ARE REQUIRED WITHIN 24 HOURS ONLY FOR STORMS THAT EQUAL OR EXCEED 0.5 INCHES. IF STORMS ARE LESS THAN 0.5 INCHES THE INSPECTION CAN OCCUR IMMEDIATELY AT THE START OF THE NEXT BUSINESS DAY.

-CORRECTIVE ACTIONS:

NON-ENGINEERED CORRECTIVE ACTIONS SHALL BE IMPLEMENTED ON SITE WITHIN 24 HOURS AND INCORPORATED INTO A REVISED PLAN WITHIN 3 CALENDAR DAYS OF THE DATE OF INSPECTION. ENGINEERED CORRECTIVE ACTIONS SHALL BE IMPLEMENTED ON SITE WITHIN 7 DAYS AND INCORPORATED INTO A REVISED PLAN WITHIN 10 DAYS OF THE DATE OF INSPECTION. DURING THE PERIOD IN WHICH ANY CORRECTIVE ACTIONS ARE BEING DEVELOPED AND HAVE NOT YET BEEN FULLY IMPLEMENTED, INTERIM MEASURES SHALL BE IMPLEMENTED TO MINIMIZE THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS FROM THE SITE.

FOR MORE SPECIFIC REQUIREMENTS REFER TO SECTION 5 (B) (4) OF THE GENERAL PERMIT.

MAINTENANCE

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED THROUGHOUT THE PROJECT. ALL COMPONENTS OF THE SEDIMENT AND EROSION CONTROLS WILL BE INSPECTED, REPAIRED, AND ENHANCED IF NECESSARY ROUTINELY THROUGHOUT THE COURSE OF THIS PROJECT. ALL DAMAGED SLOPES OR PROTECTIVE MEASURES SHALL BE REPAIRED AND RESTORED AS SOON AS POSSIBLE.

ALL PROTECTIVE MEASURES SHALL BE INSPECTED AND MAINTAINED PRIOR TO EACH FORECAST STORM EVENT IN ADDITION TO THE ROUTINE INSPECTIONS.

THE CONTRACTOR SHALL HAVE ADDITIONAL MATERIALS ON SITE THROUGHOUT THE PROJECT TO REPAIR OR REPLACE ALL COMPONENTS OF THE SEDIMENTATION AND EROSION CONTROL SYSTEM AT ANY TIME.

MAINTENANCE SHALL INCLUDE THE REPLACEMENT OF SEDIMENT COLLECTION AREAS, REMOVAL OF COLLECTED SEDIMENT, AND RESTORATION OF ALL MEASURES PROTECTING ADJACENT AREAS FROM RUNOFF DURING THE PROJECT.

TURBIDITY MONITORING

-MONITORING REQUIREMENTS:

THIS PROJECT REQUIRES REGISTRATION AND THEREFORE THE GENERAL PERMIT REQUIRES THE PERMITTEE TO PERFORM SAMPLING, MONITORING, AND REPORTING. SAMPLING AND ANALYSIS ARE PRESCRIBED IN 40 CFR PART 136.

-MONITORING FREQUENCY:

SAMPLING IS REQUIRED AT LEAST ONCE EVERY MONTH. WHEN FINAL STABILIZATION OF AN OUTFALL IS ACHIEVED TURBIDITY MONITORING IS NO LONGER REQUIRED.

-SAMPLING:

ALL SAMPLES SHALL BE COLLECTED FROM DISCHARGES RESULTING FROM A STORM EVENT THAT OCCURS AT LEAST 24 HOURS AFTER ANY PREVIOUS STORM EVENT GENERATING A STORMWATER DISCHARGE. ANY SAMPLE CONTAINING SNOW OR ICE MELT MUST BE IDENTIFIED AS SUCH AND, IN THE ABSENCE OF A STORM EVENT, IS NOT A VALID SAMPLE. SAMPLES SHALL BE GRAB SAMPLES TAKEN AT LEAST THREE SEPARATE TIMES DURING A STORM EVENT AND SHALL BE REPRESENTATIVE OF THE FLOW AND CHARACTERISTICS OF THE DISCHARGE. SAMPLES MAY BE TAKEN MANUALLY OR BY AN IN-SITU TURBIDITY PROBE OR OTHER AUTOMATIC SAMPLING DEVICE EQUIPPED TO TAKE INDIVIDUAL TURBIDITY READINGS. THE FIRST SAMPLE SHALL BE TAKEN WITHIN THE FIRST HOUR OF STORMWATER DISCHARGE, OR AT THE START OF NORMAL WORKING HOURS IF SAMPLES ARE MANUALLY COLLECTED AND DISCHARGE BEGAN OUTSIDE OF NORMAL WORKING HOURS.

-MONITORING REPORTS:

WITHIN 30 DAYS FOLLOWING THE END OF EACH MONTH, PERMITTEES SHALL ENTER THE STORMWATER SAMPLING RESULTS ON THE STORMWATER MONITORING REPORT (SMR) FORM, WHICH IS AVAILABLE ON THE CT DEEP WEBSITE. IF THERE WAS NO DISCHARGE DURING THE MONITORING PERIOD, THE PERMITTEE SHALL SUBMIT THE FORM WITH THE WORDS "NO DISCHARGE" ENTERED IN PLACE OF THE MONITORING RESULTS. IF THE PERMITTEE MONITORS A DISCHARGE MORE FREQUENTLY THAN REQUIRED BY THE GENERAL PERMIT, THE RESULTS SHALL BE INCLUDED IN ADDITIONAL SMRS FOR THAT MONTH.

PRIOR TO ONE-HUNDRED AND EIGHTY (180) DAYS AFTER THE ISSUANCE OF THIS PERMIT, THE PERMITTEE MAY EITHER SUBMIT MONITORING DATA AND OTHER REPORTS TO THE DEPARTMENT IN HARD COPY FORM OR ELECTRONICALLY USING NETDMR, AFTER ONE-HUNDRED AND EIGHTY (180) DAYS AFTER THE ISSUANCE OF THIS PERMIT THE PERMITTEE SHALL BEGIN REPORTING ELECTRONICALLY USING NETDMR.

FOR MORE SPECIFIC REQUIREMENTS REFER TO SECTION 5 (C) OF THE GENERAL PERMIT.

OTHER CONTROLS

-WASTE DISPOSAL:

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROPER HANDLING AND DISPOSAL OF CONSTRUCTION WASTE AND DEBRIS. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFFSITE ACCORDING TO ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

-WASHOUT AREAS:

IF ON SITE WASHOUT OF CONTAINERS, VEHICLES, EQUIPMENT, APPLICATORS ETC WILL TAKE PLACE, THE CONTRACTOR SHALL SET UP DESIGNATED WASHOUT AREAS OUTSIDE ANY BUFFERS AND AT LEAST 50 FEET FROM ANY STREAM OR OTHER SENSITIVE RESOURCE. WASHOUT AREAS SHALL BE FLAGGED AND ALL WATER USED FOR WASHING SHALL BE DIRECTED INTO A DESIGNATED CONTAINER OR PIT. DUMPING OF WASTE WASH WATER INTO STORM SEWERS IS NOT PERMITTED. WASTE WATER FOR WASHING SHALL BE DISPOSED OF PER ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

-SEDIMENT TRACKING AND DUST CONTROL:

STONE CONSTRUCTION ENTRANCES AND STONE HAUL ROADS SHALL BE INSTALLED AND MAINTAINED WHERE VEHICLES ENTER OR LEAVE THE SITE AND ON ACCESS ROADS THROUGH THE SITE. INLET PROTECTION SHALL BE INSTALLED AS SHOWN ON SEDIMENT AND EROSION CONTROL PLANS.

DUST SUPPRESSION SHALL BE PROVIDED IN ACCORDANCE WITH THE EROSION CONTROL SPECIFICATIONS, AND 22A-174-18B OF THE CONNECTICUT GENERAL STATUTES FOR ANY CONSTRUCTION ACTIVITY THAT CAUSES AIRBORNE PARTICULATES.

-CHEMICAL AND PETROLEUM STORAGE:

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.

KEEPING THE PLAN CURRENT

THE PERMITTEE IS RESPONSIBLE FOR KEEPING THEIR PLAN IN COMPLIANCE WITH THIS GENERAL PERMIT AT ALL TIMES. THIS MAY INVOLVE ANY OR ALL OF THE FOLLOWING:

THE PERMITTEE SHALL AMEND THE PLAN IF THE ACTIONS REQUIRED BY THE PLAN FAIL TO PREVENT POLLUTION OR FAIL TO OTHERWISE COMPLY WITH ANY OTHER PROVISION OF THIS GENERAL PERMIT. THE PLAN SHALL ALSO BE AMENDED WHENEVER THERE IS A CHANGE IN CONTRACTORS OR SUBCONTRACTORS AT THE SITE, OR A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE AT THE SITE WHICH HAS THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT
OTHERWISE BEEN ADDRESSED IN THE PLAN.

THE COMMISSIONER MAY NOTIFY THE PERMITTEE AT ANY TIME THAT THE PLAN AND/OR THE SITE DO NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THE GENERAL PERMIT. WITHIN 7 DAYS OF SUCH NOTICE, OR SUCH OTHER TIME AS THE COMMISSIONER MAY ALLOW, THE PERMITTEE SHALL MAKE THE REQUIRED CHANGES TO THE PLAN AND PERFORM ALL ACTIONS REQUIRED BY SUCH REVISED PLAN. WITHIN 15 DAYS OF SUCH NOTICE, OR SUCH OTHER TIME AS THE COMMISSIONER MAY ALLOW, THE PERMITTEE SHALL SUBMIT TO THE COMMISSIONER A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE AND IMPLEMENTED AND SUCH OTHER INFORMATION AS THE COMMISSIONER REQUIRES, IN ACCORDANCE WITH THE "DUTY TO PROVIDE INFORMATION" AND "CERTIFICATION OF DOCUMENTS" SECTIONS OF THE GENERAL PERMIT.

RECORDS KEEPING AND TERMINATION

THE PERMITTEE SHALL RETAIN COPIES OF THE PLAN AND ALL REPORTS REQUIRED BY THE GENERAL PERMIT, AND ALL RECORDS USED TO COMPLETE THE REGISTRATION FOR THIS GENERAL PERMIT, FOR A PERIOD OF 5 YEARS FROM THE DATE THAT CONSTRUCTION IS COMPLETE. INSPECTION RECORDS MUST BE RETAINED FOR 5 YEARS AFTER THE DATE OF INSPECTION. A SAMPLE INSPECTION REPORT IS INCLUDED ON THE NEXT DRAWING. A COPY OF THIS PLAN SHALL BE RETAINED AT THE SITE UNTIL CONSTRUCTION IS COMPLETE.

AT COMPLETION OF CONSTRUCTION A NOTICE OF TERMINATION MUST BE FILED WITH THE COMMISSIONER. A PROJECT SHALL BE CONSIDERED COMPLETE AFTER ALL POST-CONSTRUCTION MEASURES AND DRAINAGE STRUCTURES ARE INSTALLED, CLEANED, AND FUNCTIONING AND THE SITE HAS BEEN STABILIZED FOR AT LEAST 3 MONTHS. CLEANING SHALL INCLUDE REMOVAL OF TRASH, DEBRIS, SEDIMENT ETC FROM CATCH BASINS, DRAINS, MANHOLES, DETENTION SYSTEMS, HYDRODYNAMIC SEPARATORS, SWALES AND PIPING.

A SITE IS CONSIDERED STABILIZED WHEN THERE IS NO ACTIVE EROSION OR SEDIMENTATION PRESENT AND NO DISTURBED AREAS REMAIN EXPOSED FOR ALL PHASES AND SILT FENCE AND OTHER TEMPORARY MEASURES ARE REMOVED.

ONCE THE SITE HAS BEEN STABILIZED FOR AT LEAST 3 MONTHS, THE REGISTRANT SHALL HAVE THE SITE INSPECTED BY A QUALIFIED INSPECTOR TO CONFIRM FINAL STABILIZATION. THE REGISTRANT SHALL INDICATE COMPLIANCE WITH THIS REQUIREMENT ON THE NOTICE OF TERMINATION FORM.

A FINAL COPY OF THE STORMWATER POLLUTION CONTROL PLAN AND ALL INSPECTION RECORDS SHALL BE SUBMITTED TO THE DESIGN ENGINEER AND REGISTRANT.

MAINTENANCE SCHEDULE FOR TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES		
TYPE	INSPECTION SCHEDULE	REPAIR SCHEDULE
SILT FENCE	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE IMMEDIATELY AND REMOVE SEDIMENT WHEN DEPTH EQUALS 1/2 HEIGHT OF FENCE
HAY BALE BARRIER	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE DAMAGED AND DETERIORATED BALES IMMEDIATELY; HAY BALES ARE TO BE REPLACED A MINIMUM OF ONCE EVERY 3 MONTHS
STONE CHECK DAMS/STONE BERM	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REMOVE SEDIMENT DEPOSITS WHEN DEPOSITS REACH APPROXIMATELY HALF THE HEIGHT OF THE CHECK DAM/BERM
INLET PROTECTION	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE DAMAGED SEDIMENT FILTER INSERT OR CURB FILTER IMMEDIATELY AND REMOVE SEDIMENT WHEN DEPTH EQUALS 1/4 HEIGHT OF SEDIMENT FILTER INSERT
STABILIZED LAYDOWN AREA	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPAIR IMMEDIATELY. REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO NEARBY PAVED SURFACES
EROSION CONTROL SOCK	MINIMUM ONCE PER WEEK AND AFTER STORM EVENTS OF 0.5 INCHES OR GREATER	REPLACE IMMEDIATELY AND REMOVE SEDIMENT WHEN DEPTH EQUALS 1/2 HEIGHT OF EROSION CONTROL SOCK OR EROSION CONTROL SOCK BECOMES FLATTENED OR DETERIORATED

GENERAL GUIDELINES AND PRINCIPALS

1. THE CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES OF ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN.
2. THE OBJECTIVE IS TO MINIMIZE THE AMOUNT OF SEDIMENT-LADEN RUNOFF THROUGH IMPLEMENTATION OF A VARIETY OF CONVENTIONAL SOIL SEDIMENTATION AND EROSION CONTROL PRACTICES RECOMMENDED BY THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL. PROCEDURES AND APPLICATION TECHNIQUES SHALL CONFORM TO THE ABOVE MENTIONED GUIDELINES, THE DETAILS SHOWN ON THE CONTRACT DRAWINGS AND THE CT DEEP GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER AND DEWATERING WASTEWATERS FROM CONSTRUCTION ACTIVITIES (GENERAL PERMIT).
3. EXISTING TREES TO REMAIN MUST BE PROTECTED. DO NOT PARK OR STORE MATERIALS UNDER TREES. DO NOT DIRECT RUNOFF OR ALLOW SILT TO EXTEND UNDER TREES. AVOID DAMAGE TO TRUNKS AND BRANCHES. CONTRACTOR MUST CLEAN UP EDGE BEFORE LEAVING SITE.
4. STAGE CONSTRUCTION ACTIVITIES SUCH THAT ONLY THOSE AREAS OF THE SITE SCHEDULED FOR IMMEDIATE DEVELOPMENT ARE DISTURBED AND ACTIVITIES SCHEDULED FOR LATER DEVELOPMENT ARE NOT STARTED PREMATURELY. RE-STABILIZATION SHALL BE SCHEDULED IMMEDIATELY AFTER DISTURBANCE.
5. EARTH DISTURBANCE SHOULD BE TIMED TO MINIMIZE POTENTIAL IMPACTS CAUSED BY SEASONAL WEATHER CHANGES AND SCHEDULED FOR PERIODS WHEN SOIL SATURATION IS LOW AND SOIL LOSS HAZARD IS AT MINIMUM RISK.
6. SUSPEND EARTHWORK CONSTRUCTION ACTIVITIES FOR MAJOR STORM EVENTS AND IMPLEMENT ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES, AS NECESSARY.
7. THERE WILL BE NO LARGE CUTS OR FILLS LEFT AS "RAW" AREAS. SUB-GRADE WILL BE ACHIEVED AS SOON AS POSSIBLE AND AN ESTABLISHED PROCEDURE OF TEMPORARY SEEDING AND/OR COVER WITH EROSION PROTECTION (EROSION CONTROL BLANKETS FOR SLOPES AND MULCH OR EROSION CONTROL BLANKETS FOR FLAT AREAS); WILL BE FOLLOWED TO INSURE MINIMAL SOIL LOSS.
8. ALL SURFACES DESIGNATED FOR PAVING WILL HAVE THE SUB-BASE, BASE AND BINDER INSTALLED AS SOON AS POSSIBLE. WHERE FEASIBLE THE STORM DRAINAGE SYSTEM WILL BE INSTALLED TO PROVIDE CONTROL OF SURFACE RUNOFF.
9. PROVIDE SILT FENCE BARRIER AROUND STOCKPILES.
10. EROSION CHECK DAMS CONSISTING OF STONE, SILT FENCE OR HAYBALES SHALL BE INSTALLED TO PREVENT SILTATION DOWNGRADE OF CONSTRUCTION.
11. SILT FENCE FABRIC BARRIERS SHALL BE INSTALLED AT ALL OUTLETS AND ALONG TOE OF CRITICAL SLOPES.
12. FLARED END DISCHARGE AREAS SHALL BE PROTECTED WITH RIP RAP PADS. ENERGY DISSIPATERS WILL BE PROVIDED AS NECESSARY.
13. INLET STRUCTURES (EXISTING AND PROPOSED) SHALL BE PROTECTED WITH FILTER FABRIC BARRIERS INSTALLED BETWEEN GRATE AND FRAME AS WELL AS SURROUNDING STRUCTURE IN SOFTSCAPE AREAS.
14. CREATE TEMPORARY SEDIMENT TRAPS AS NECESSARY WITHIN WORK AREA AND SIZED AT 3,600 CF/ACRE CONTRIBUTING. DESIGN AND CONSTRUCT IN ACCORDANCE WITH THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.
15. INSTALL RIP RAP OR GRASS LINED SWALES TO DIRECT DRAINAGE TO TEMPORARY SEDIMENT TRAPS.
16. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD IS NECESSARY OR REQUIRED.
17. WHEN RIPRAP IS USED, PROVIDE FABRIC BETWEEN SOIL AND RIPRAP.
18. IN AREAS OF GENERAL FILLS, PITCH SLOPE AWAY FROM EDGE OF FILL SLOPE DURING CONSTRUCTION EACH NIGHT. GRADE LAND TOWARD RIPRAP SWALES AT END OF EACH NIGHT.
19. PROTECT STREET SIDE OF CONSTRUCTION ENTRANCES AT END OF THE WORK DAY BY SILT FENCE FABRIC, HAYBALES OR STONE BERMS.
20. AS TOPOGRAPHY CHANGES, DIRECT STORM WATER RUNOFF TO TEMPORARY SEDIMENT TRAPS.
21. PITCH ALL WATER AT END OF EACH WORK DAY INTO TEMPORARY SEDIMENT TRAPS. VEHICLES SHALL BE WASHED OFF IN AREAS THAT DO NOT RESULT IN SEDIMENT OR OTHER MATERIALS LEAVING THE SITE. NO VEHICLES SHALL BE WASHED UNDER TREES, ON ROADS, OR IN SENSITIVE AREAS OF THE SITE.
22. MAINTAIN CONSTRUCTION ENTRANCES AND HAUL ROADS REGULARLY. REMOVE AND REPLACE STONE SURFACE AS NECESSARY.
23. SEDIMENT REMOVAL FROM CONTROL MEASURES SHALL BE DISPOSED OF IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
24. PROVIDE STREET SWEEPING ON A REGULAR BASIS.
25. ON-SITE TRUCKS SHALL HAVE COVERS TO MINIMIZE DUST.

SITE EROSION CONTROL CHECKLIST			
PROJECT:			BY:
LOCATION:			DATE:
AREA INSPECTED:			
MEASURED RAINFALL AMOUNT FOR STORM EVENT:			
	OVERALL CONDITION	NEED REPAIR	G=GOOD, F=FAIR, P=POOR, Y=YES, N=NO COMMENTS:
DEWATERING INFILTRATION BASINS	G F P	Y N	
EROSION CONTROL SOCK	G F P	Y N	
CONTINUOUS BERM	G F P	Y N	
DRAIN/INLET PROTECTION	G F P	Y N	
TREE PROTECTION	G F P	Y N	
TOPSOILING	G F P	Y N	
LAND GRADING	G F P	Y N	
SURFACE ROUGHENING	G F P	Y N	
DUST CONTROL	G F P	Y N	
TEMPORARY SEEDING	G F P	Y N	
PERMANENT SEEDING	G F P	Y N	
SODDING	G F P	Y N	
LANDSCAPE PLANING	G F P	Y N	
TEMPORARY SOIL PROTECTION	G F P	Y N	
MULCH FOR SEED	G F P	Y N	
LANDSCAPE MULCH	G F P	Y N	
TEMPORARY EROSION CONTROL BLANKET	G F P	Y N	
PERMANENT TURF REINFORCEMENT MAT	G F P	Y N	
STONE SLOPE PROTECTION	G F P	Y N	
RETAINING WALLS	G F P	Y N	
RIP RAP	G F P	Y N	
PERMANENT SLOPE DRAIN	G F P	Y N	
CHANNEL GRADE STABILIZATION STRUCTURE	G F P	Y N	
TEMPORARY LINED CHUTE	G F P	Y N	
TEMPORARY PIPE SLOPE DRAIN	G F P	Y N	
VEGETATED WATERWAY	G F P	Y N	
TEMPORARY LINED CHANNEL	G F P	Y N	
PERMANENT LINED WATERWAY	G F P	Y N	
TEMPORARY FILL BERM	G F P	Y N	
WATER BAR	G F P	Y N	
TEMPORARY DIVERSION	G F P	Y N	

EROSION AND SEDIMENTATION CONTROL CONSTRUCTION STAGES:

STAGE I:

A. IMMEDIATELY AFTER MOBILIZATION BUT PRIOR TO INITIATING ANY SOIL-DISTURBING ACTIVITIES THE CONTRACTOR SHALL MAKE A GENERAL SITE ASSESSMENT TO ESTABLISH CONSTRUCTION LIMITS, DESIGNATE CONSTRUCTION ENTRANCES AND MAIN HAUL ROADS WITHIN THE SITE AND INSTALL ALL SPECIFIED SOIL EROSION AND SEDIMENT CONTROL MEASURES.

STAGE II:

A. CLEAR SITE AS REQUIRED ACCOMMODATING THE CONSTRUCTION. LEGALLY CUT AND CHIP BRUSH AND REMOVE STUMPS FROM THE SITE TO BE DISPOSED OF IN A PROPER MANNER. THE OWNER'S PERMISSION IS REQUIRED BEFORE CLEARING BEYOND TREE LINE OR WOODED AREA DEFINED ON THE PLANS.

B. ADDRESS ALL STOCKPILE MATERIAL AS INDICATED IN THE EROSION CONTROL SPECIFICATION.

C. EXCAVATE SITE TO SUB GRADE AND INSTALL ALL REQUIRED MEASURERS TO STABILIZE THE SITE AND PREVENT SOIL EROSION AND CONTROL SOIL SEDIMENTATION. NO RAW CUTS OR FILL SHALL BE LEFT EXPOSED TO THE ELEMENTS. IF NO WORK IS ANTICIPATED WITHIN A TWO (2) WEEK PERIOD, OR IF SIGNIFICANT RAINFALL IS ANTICIPATED, COVER EXPOSED AREAS AS INDICATED IN THE APPLICATION/GENERAL PROCEDURE.

STAGE III:

A. SURVEY, STAKE, AND PLACE NEW IMPROVEMENTS IDENTIFIED WITHIN THE WORK AREA AND AS SHOWN ON THE CONTRACT DRAWINGS.

B. MAINTAIN, CLEAN AND REPAIR EROSION CONTROL AND SEDIMENT PROTECTION MEASURES AS RECOMMENDED BY THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

STAGE IV:

A. RESPREAD TOPSOIL TO DESIGNATED AREAS.

B. INSTALL NEW PLANTING. BEGIN WITH THE SITE PERIMETER PLANTING IN BUFFER YARDS TO ACHIEVE EARLY STABILIZATION, AND THEN PLANT SITE INTERIOR AREAS AND FINALLY PLACE SEED.

C. CLEAN UP SITE BUT LEAVE REMAINING EROSION CONTROL AND SEDIMENT PROTECTION MEASURES IN PLACE UNTIL SITE IS STABILIZED AS APPROVED BY THE ENGINEER.

D. MAINTAIN, CLEAN AND REPAIR EROSION CONTROL AND SEDIMENT PROTECTION MEASURES AS RECOMMENDED BY THE LATEST REVISION OF THE LOCAL AND STATE GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

RECOMMENDED POST-CONSTRUCTION OWNER MAINTENANCE

THE RECOMMENDATIONS BELOW ARE FOR THE OWNER'S REFERENCE AND USE IN CREATING A LONG TERM MAINTENANCE PLAN FOR THE STORMWATER SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR THE INITIAL CLEANING AS NOTED IN THE RECORDS KEEPING AND TERMINATION SECTION OF THE GENERAL PERMIT REQUIREMENTS ON THIS SHEET. LONG TERM CLEANING IS THE RESPONSIBILITY OF THE OWNER.

CATCH BASINS/INLET STRUCTURES

- TRASH AND DEBRIS SHALL BE REMOVED FROM CATCH BASIN GRATES AS OFTEN AS NECESSARY TO ENSURE SYSTEM CAN COLLECT/INTERCEPT RUNOFF.
- STRUCTURES SHALL BE CLEANED TWICE PER YEAR, REMOVING ALL SEDIMENT FROM SUMPS AND DISPOSING OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
- VISUAL INSPECTION OF BASIN INTEGRITY AND ASSOCIATED COMPONENTS SHALL BE PERFORMED DURING CLEANING AND REPLACED OR REPAIRED AS NECESSARY.
- DURING DRY FLOW PERIODS, WASH OUT DRAIN PIPES AND CLEAN CATCH BASINS TO MINIMIZE FUTURE RE-SUSPENSION.
- A MAINTENANCE LOG SHOULD BE KEPT WITH AMOUNT OF SEDIMENT REMOVED, THE DATE IT WAS REMOVED AND A BRIEF DESCRIPTION OF THE CONDITION OF THE STRUCTURE.

HYDRODYNAMIC SEPARATOR WATER QUALITY STRUCTURE

- STRUCTURES SHALL BE INSPECTED FOR ACCUMULATED SEDIMENT ON A QUARTERLY BASIS AND CLEANED WHEN THE DEPTH OF SEDIMENT IS IN EXCESS OF ONE FOOT. COLLECTED SEDIMENT SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.
- A MAINTENANCE LOG SHOULD BE KEPT WITH AMOUNT OF SEDIMENT REMOVED, THE DATE IT WAS REMOVED AND A BRIEF DESCRIPTION OF THE CONDITION OF THE STRUCTURE.

UNDERGROUND STORMWATER DETENTION STRUCTURES

- STRUCTURES SHALL BE CLEANED TWICE PER YEAR, REMOVING ALL SEDIMENT AND DISPOSING OF MATERIAL IN ACCORDANCE WITH LOCAL REGULATIONS.
- THE SYSTEM WILL INCORPORATE INSPECTION PORTS AND ACCESS PORTS FOR CLEANING.
- A MAINTENANCE LOG SHOULD BE KEPT WITH AMOUNT OF SEDIMENT REMOVED, THE DATE IT WAS REMOVED AND A BRIEF DESCRIPTION OF THE CONDITION OF THE STRUCTURE.

	OVERALL CONDITION	NEED REPAIR	G=GOOD, F=FAIR, P=POOR, Y=YES, N=NO COMMENTS:
PERMANENT DIVERSION	G F P	Y N	
SUBSURFACE DRAIN	G F P	Y N	
DETENTION BASIN	G F P	Y N	
LEVEL SPREADER	G F P	Y N	
OUTLET PROTECTION	G F P	Y N	
STONE CHECK DAM	G F P	Y N	
TEMPORARY SEDIMENT BASIN	G F P	Y N	
TEMPORARY SEDIMENT TRAP	G F P	Y N	
HAY BALE BARRIER	G F P	Y N	
GEOTEXTILE SILT FENCE	G F P	Y N	
VEGETATIVE FILTER	G F P	Y N	
CONSTRUCTION ENTRANCE	G F P	Y N	
PUMP INTAKE AND OUTLET PROTECTION	G F P	Y N	
PUMPING SETTLING BASIN	G F P	Y N	
PORTABLE SEDIMENT TANK	G F P	Y N	
DEWATERING OF EARTH MATERIALS	G F P	Y N	
ARE CONTROLLED RELEASES OF MUD OR MUDDY WATER FROM THE SITE EVIDENT?			YES NO
IF YES, WHAT CORRECTIVE ACTIONS ARE RECOMMENDED?			
ARE DEPOSITS OF SEDIMENT EVIDENT ON ADJACENT OFF-SITE STREETS OR PROPERTIES?			YES NO
IF YES, WHAT CORRECTIVE ACTIONS ARE RECOMMENDED?			
	OVERALL CONDITION	NEED REPAIR	G=GOOD, F=FAIR, P=POOR, Y=YES, N=NO COMMENTS:
STAGING REMOVAL OF VEGETATION	G F P	Y N	
NEW VEGETATION ESTABLISHMENT	G F P	Y N	
MULCH AND/OR BFM PROTECTION	G F P	Y N	
SOIL BINDER PROTECTION	G F P	Y N	
HILLSIDE RECP'S	G F P	Y N	
DRAINAGE CHANNEL ECB'S	G F P	Y N	
RIP RAP	G F P	Y N	
ADDITIONAL COMMENTS:			
INSPECTION COMPLETED ON:	BY:		
I CERTIFY THIS INSPECTION WAS COMPLETED BY MYSELF OF UNDER MY SUPERVISION:			
DATE:			

CERTIFICATION:

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

STATUS:

BVH
A SALASOBRIEN COMPANY
206 WEST NEWBERRY ROAD BLOOMFIELD, CT 06002
860.286.9171

CONSULTANT:

REVISIONS:

#	DATE	DESCRIPTION

UNIVERSITY OF CONNECTICUT
UNIVERSITY PLANNING DESIGN & CONSTRUCTION
31 LEDOYT ROAD UNIT 3038
STORRS, CONNECTICUT 06269-3038
TELEPHONE: (860) 486-3127
FACSIMILE: (860) 486-3177

PROJECT:

UConn South Campus Infrastructure - Package 2

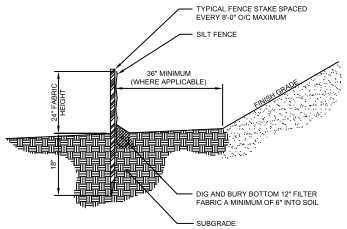
PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	AS NOTED
PRINT DATE:	06/09/2023

SHEET TITLE:

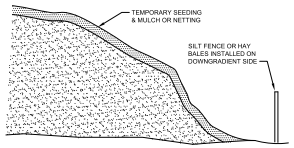
SOIL EROSION AND SEDIMENTATION CONTROL NARRATIVE

SHEET:

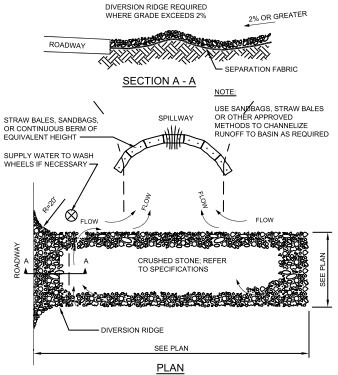
C-703



1 C-704 **TYPICAL SILT FENCE**
NOT TO SCALE



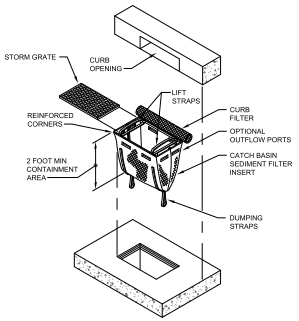
2 C-704 **TEMPORARY STOCKPILE DETAIL**
NOT TO SCALE



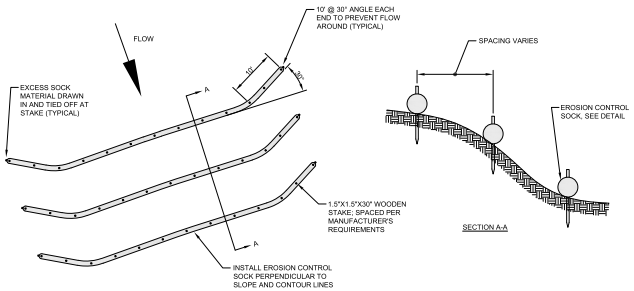
NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

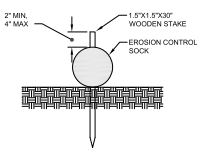
3 C-704 **TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT**
NOT TO SCALE



4 C-704 **INLET PROTECTION DETAIL AT CATCH BASIN**
NOT TO SCALE



SLOPE INSTALLATION

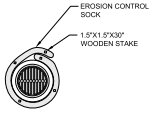


EROSION CONTROL SOCK DETAIL

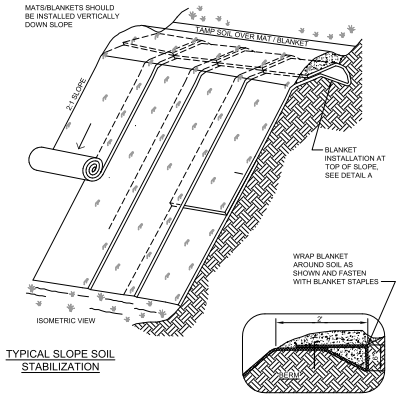
NOTES:

1. FOR INSTALLATION IN HARDSCAPE AREAS, INSTALL EROSION CONTROL SOCK WITH CONCRETE MASONRY UNITS, SPACED 1 EVERY 4' MINIMUM, ON THE DOWN SLOPE SIDE OF THE SOCK FOR SUPPORT TO PREVENT THE EROSION CONTROL SOCK FROM SLIDING WITH THE FLOW OF RUNOFF.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

5 C-704 **EROSION CONTROL SOCK DETAIL**
NOT TO SCALE



YARD DRAIN INSTALLATION (GRASS AREAS)



TYPICAL SLOPE SOIL STABILIZATION

NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. REFER TO SPECIFICATIONS FOR INSTALLATION AND ADDITIONAL INFORMATION.

6 C-704 **EROSION BLANKETS & TURF REINFORCEMENT MATS SLOPE INSTALLATION**
NOT TO SCALE

CERTIFICATION:

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

STATUS

BVH
A SALASOBRIEN COMPANY
200 WEST ROCKSBURY ROAD BLOOMFIELD, CT 06002
860.286.0171

CONSULTANT:

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UNIVERSITY OF CONNECTICUT
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PROJECT:

UConn South Campus Infrastructure - Package 2

PROJECT NO:	300241
AUTHOR:	SPW/ALP
DRAFTER:	ALP/CEC
SCALE:	AS NOTED
PRINT DATE:	06/09/2025

SHEET TITLE:

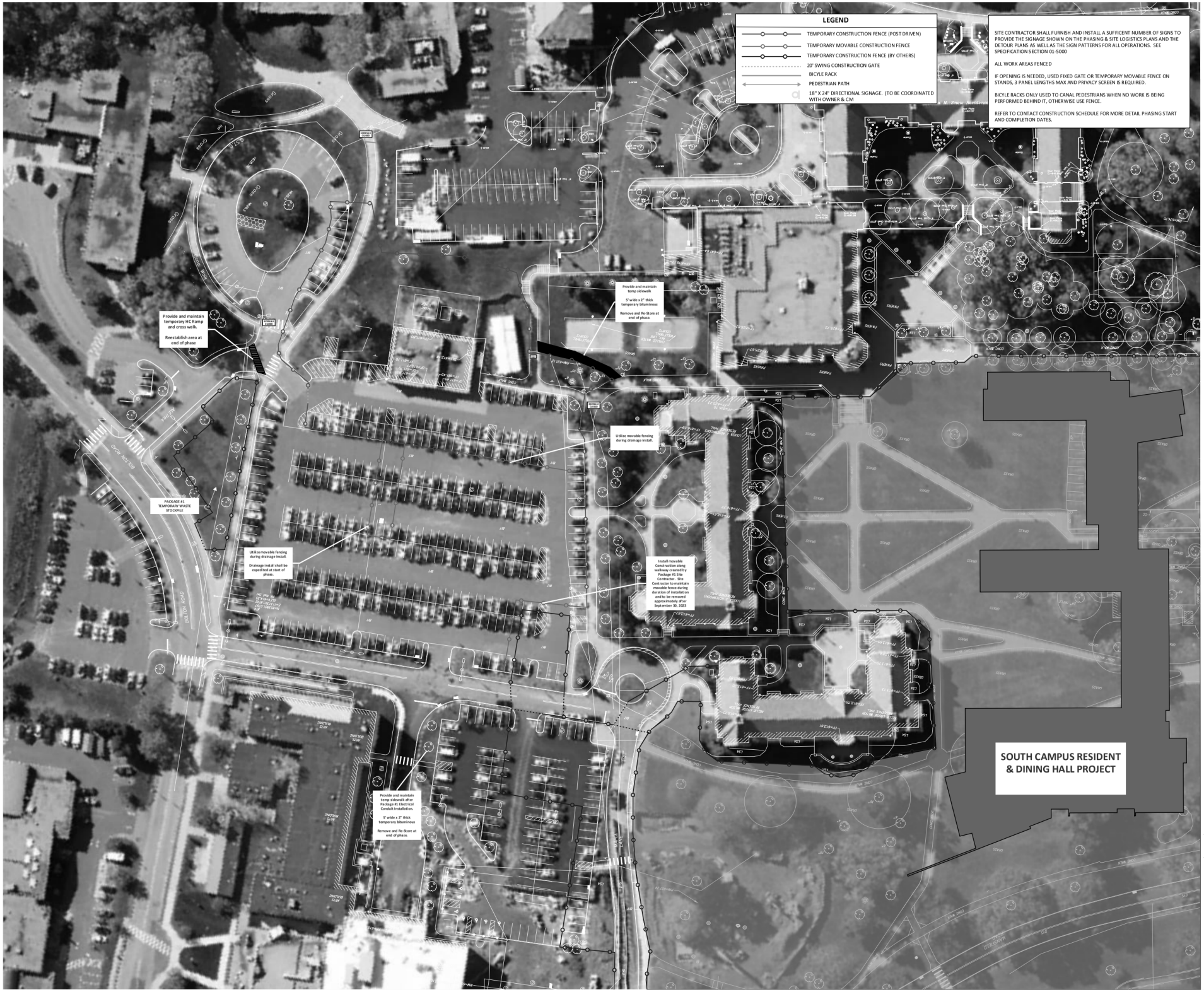
SOIL EROSION AND SEDIMENTATION CONTROL DETAILS

SHEET:

C-704

BVH
A SALASO'BRIEN COMPANY

APPENDIX B



112 WALL ST
TORRINGTON, CT 06790
860.486.9261

UCONN SOUTH CAMPUS INFRASTRUCTURE - PACKAGE 2

ISSUE
O&G JOB 2014600
SCALE 1": 30'

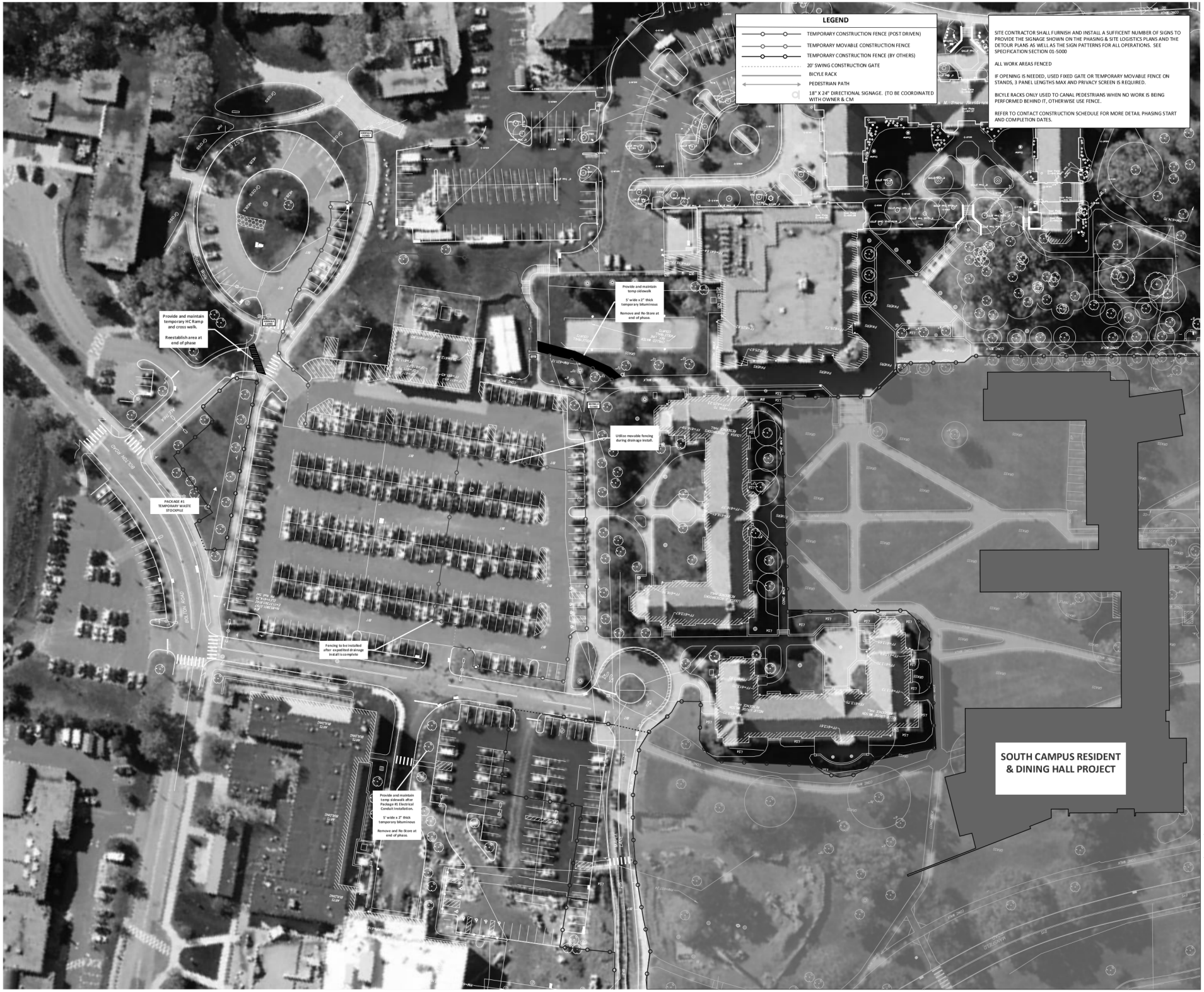
REVISIONS:

NO.	DATE	DESCRIPTION
0		WORK IN PROGRESS

PHASING & SITE LOGISTICS PLAN

Phase 1 A
SEPT 2023 - SEPTEMBER 2023

PH-101



112 WALL ST
TORRINGTON, CT 06790
860.486.9261

UCONN SOUTH CAMPUS INFRASTRUCTURE - PACKAGE 2

ISSUE
O&G JOB 2016600
SCALE 1": 30'

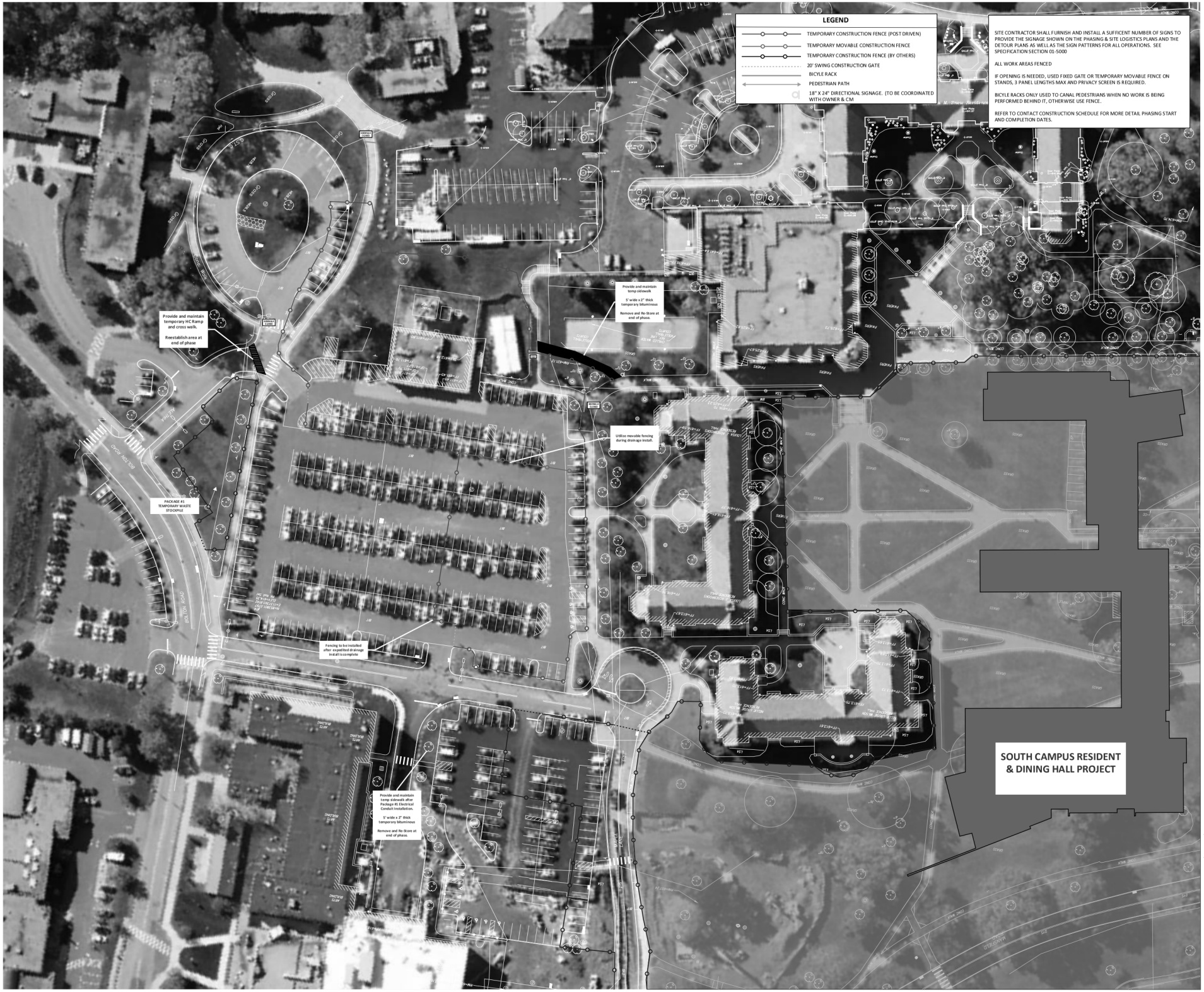
REVISIONS:

NO.	DATE	DESCRIPTION
0		WORK IN PROGRESS

PHASING & SITE LOGISTICS PLAN

Phase 1 B
October 2023 - December 23

PH-101



112 WALL ST
TORRINGTON, CT 06790
860.486.9261

UCONN SOUTH CAMPUS INFRASTRUCTURE - PACKAGE 2

ISSUE
O&G JOB 2014600
SCALE 1": 30'

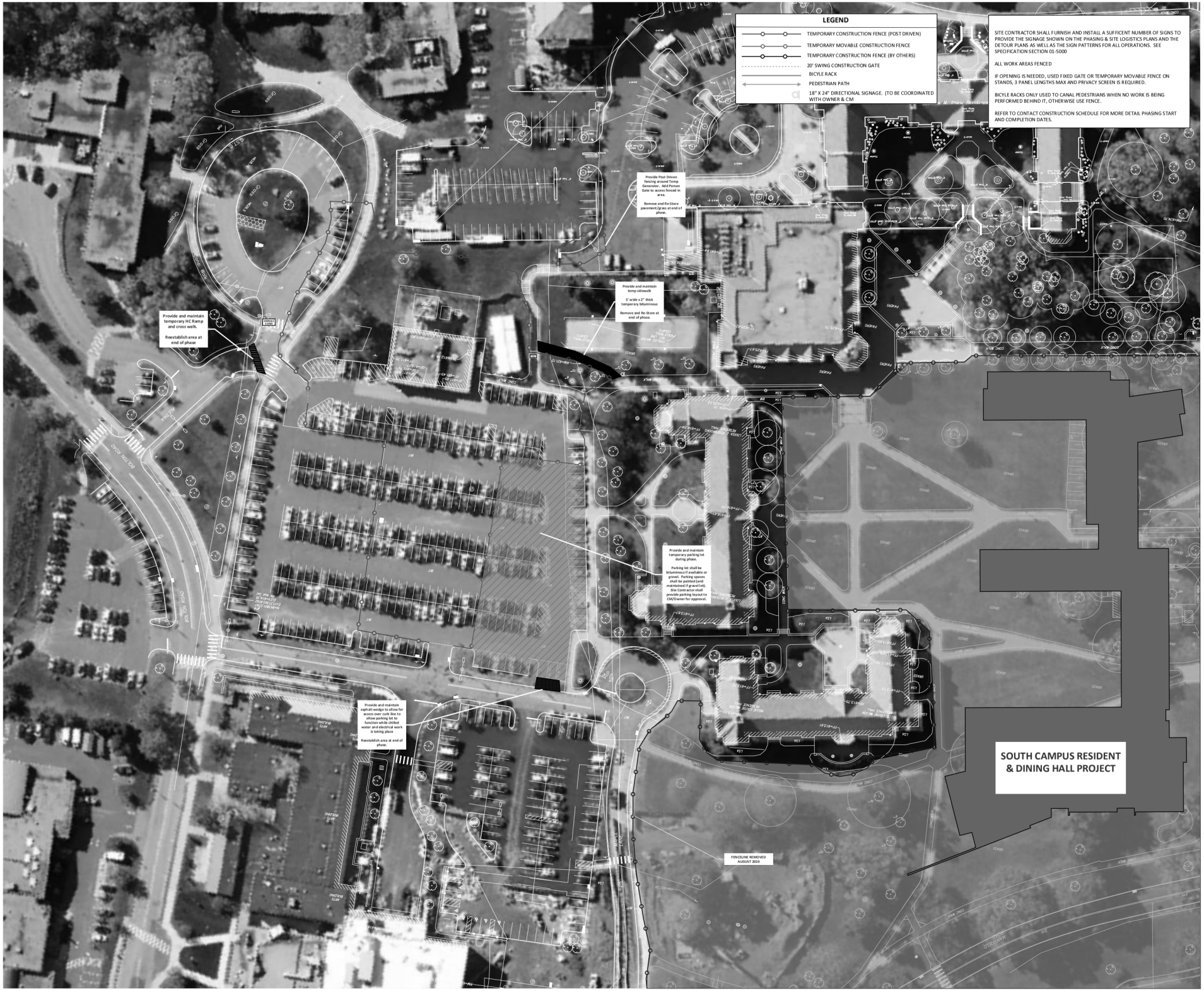
REVISIONS:

NO.	DATE	DESCRIPTION
0		WORK IN PROGRESS

PHASING & SITE LOGISTICS PLAN

Phase 1 c
January 24 – *APRIL 2024*

PH-101



112 WALL ST
TORRINGTON, CT 06790
860.486.9261

UCONN SOUTH CAMPUS INFRASTRUCTURE - PACKAGE 2

ISSUE
O&G JOB 2014600
SCALE 1": 30'

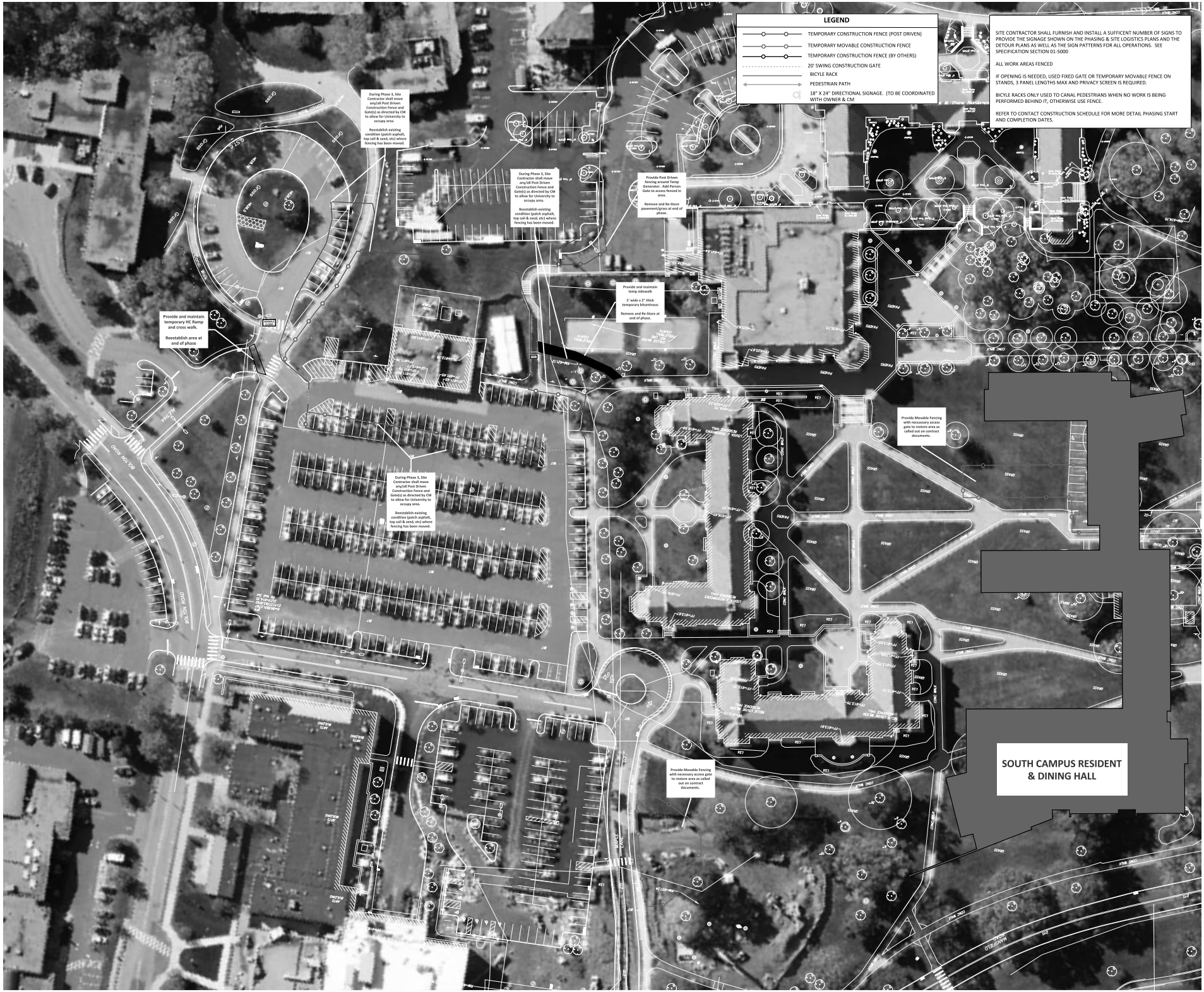
REVISIONS:

NO.	DATE	DESCRIPTION
0		WORK IN PROGRESS

PHASING & SITE LOGISTICS PLAN

Phase 2
APRIL 2024 - SEPT 2024

PH-102



112 WALL ST
TORRINGTON, CT 06790
860.486.9261

UCONN SOUTH CAMPUS INFRASTRUCTURE - PACKAGE 2

ISSUE
O&G JOB 2014600
SCALE 1": 30'

REVISIONS:

NO	DATE	DESCRIPTION
0		Issued for Bid

PHASING & SITE LOGISTICS PLAN

Phase 3
SEPT 2024 - JAN 2026

PH-103

BVH
A SALASO'BRIEN COMPANY

APPENDIX C

HALEY & ALDRICH, INC.
100 Corporate Place
Suite 105
Rocky Hill, CT 06067
860.282.9400

19 June 2023
File No. 0204692-000

BVH Integrated Services, P.C.
206 West Newberry Road
Bloomfield, CT 06002

Attention: Mr. Scott Waitkus, P.E.

Subject: Infiltration Feasibility Assessment
South Campus Chiller Plant Improvements
University of Connecticut
Storrs, Connecticut

Dear Mr. Waitkus:

As requested, this letter provides our assessment as to the feasibility of infiltrating collected stormwater into the ground in the future yard areas located east and south of the proposed addition to the South Campus Chiller Plant. Our assessment is based on a review the subsurface soil, bedrock, and groundwater level information collected in this area of the project.

EXISTING CONDITIONS

This area of the site is currently a grassed yard with a drainage swale (low point) in the footprint of the proposed addition and slopes rising to the east and south from the swale. Grades range from about El. 608 in the swale to about El. 618 on the east slope and to about El. 620 on the south slope.

PROPOSED CONSTRUCTION

Proposed development in this area includes regrading along the east and south sides of the new addition to provide access to the rear of both the new addition and existing chiller plant. Finished grades in these areas will be flat at about El. 612. New retaining walls along the east and south slopes will be required to provide this access. The existing swale will require about 4 ft of fill, and the side and rear yards will require cuts of about 3 to 8 ft (except the west side of the rear yard that will require about 1 to 2 ft of fill) to construct the side and rear yards.

SUBSURFACE CONDITIONS

Haley & Aldrich conducted seven test borings in the proposed addition, future side and rear yards, and slope areas. Soil and groundwater conditions generally consisted of the following:

- FILL: Well-graded SAND with varying amounts of gravel and silt (SW). The thickness of the Fill ranged from about 5 to 10 ft with the thicker fills commonly at the tops of the slopes.

- GLACIAL TILL: Poorly graded SAND with gravel (SP) to well graded SAND with gravel (SW). The thickness of the Glacial Till ranged from about 5 to 7 ft. In the side and rear yard areas, top of Glacial Till ranges from about El. 608 to El. 610.
- BEDROCK: Moderately hard to hard, moderately to highly weathered, gray, white, fine to medium grained SCHIST (HEBRON FORMATION). In the side and rear yard areas, top of bedrock ranges from about El. 602 to El. 608.
- Groundwater in the side and rear yard areas (inferred based on sample wetness in test borings at the time of drilling) ranged from about El. 607 to El. 610, which is about 1.5 to 5 ft above the top of the bedrock. Given the shallow depth to bedrock, it is anticipated that groundwater will mound during high groundwater times of the year, following heavy precipitation, or following snowmelt. As such, seasonal high groundwater levels could possibly be 1 to 2 ft higher than these levels.

INFILTRATION FEASIBILITY ASSESSMENT

With finished grades in the side and rear yard areas planned at El. 612 and seasonal high groundwater levels anticipated in the range of El. 610 to El. 612 in these areas, it is our opinion that infiltration will not be feasible as infiltration systems would not likely be able to achieve a 2-ft separation from bottom of system to seasonal high groundwater.

CLOSURE

Please do not hesitate to contact the undersigned if you wish to discuss any aspect of this letter or the project.

Sincerely yours,
HALEY & ALDRICH, INC.

John T. Difini, P.E.
Principal

\\haleyaldrich.com\share\CF\Projects\0204692\000\Deliverables\Report\Package 2 Infiltration\2023-0619-HAI-L-SCCP Infiltration-F.docx