CORNELL UNIVERSITY

UNIVERSITY HEALTH SERVICES FACILITY

SITE PLAN REVIEW

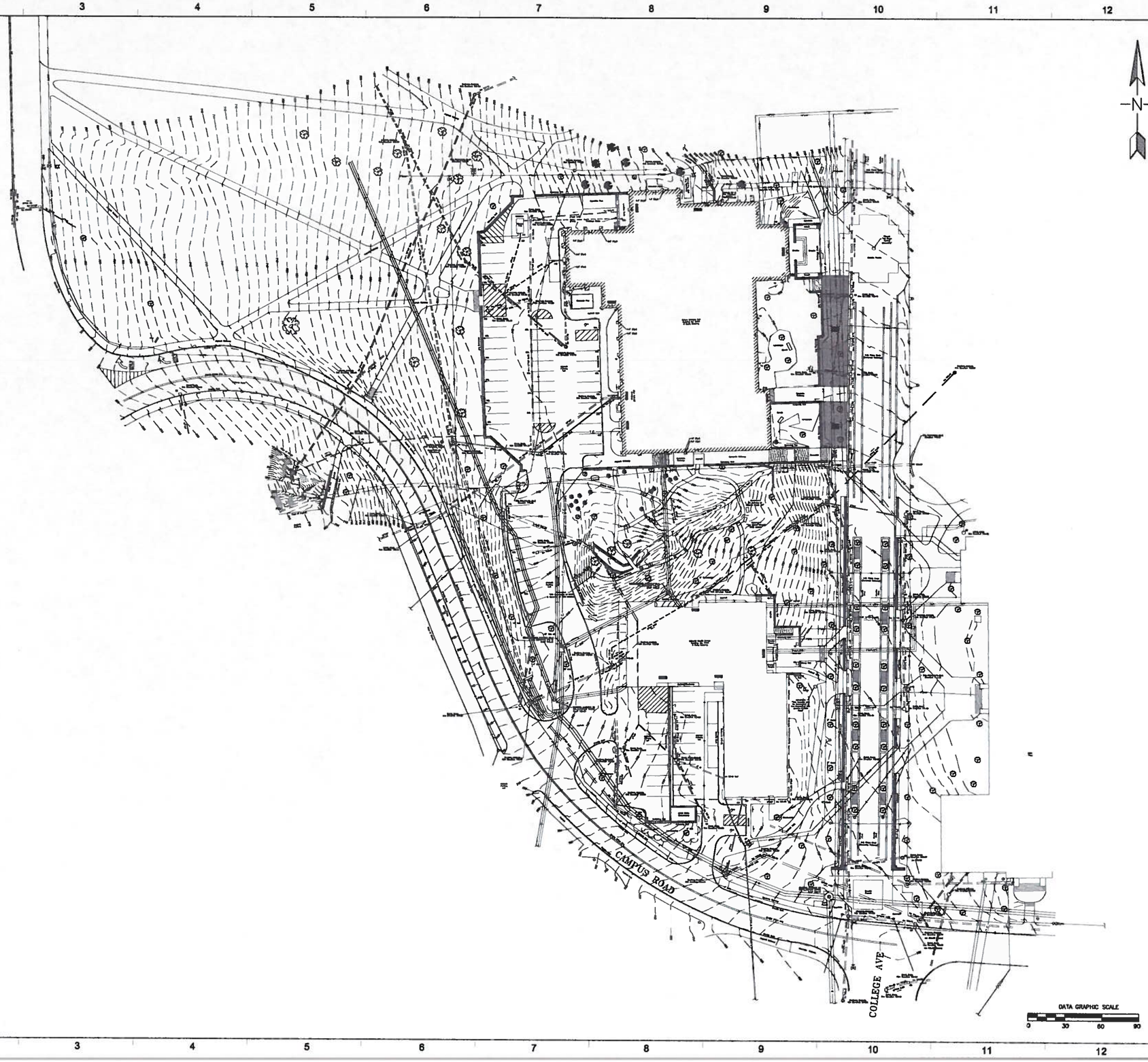
12.0 TOPOGRAPHIC MAP

NOTES:

1. EXISTING CONDITIONS SHOWN ARE BASED ON A "MAP SHOWING EXISTING TOPOGRAPHIC CONDITIONS GANNETT HEALTH CENTER AND WILLARD STRAIGHT HALL," PREPARED BY THEW ASSOCIATES PE-LS, LLC DATED SEPTEMBER 8, 2008. MAPPING PROVIDED BY CORNELL UNIVERSITY AND FIELD INSPECTIONS OF ACCESSIBLE STRUCTURES.
2. EXISTING UTILITIES SHOWN ARE APPROXIMATE LOCATION ONLY. VERIFY EXACT LOCATION OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION. NOTIFY DIG SAFELY NEW YORK (D.S.N.Y. 1-800-962-7962) A MINIMUM 2 WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. POTHOLE BURIED UTILITIES AT ALL CROSSINGS AND CONNECTION POINTS PRIOR TO BEGINNING WORK.
3. DATUM OF ELEVATIONS IS APPROXIMATE NGVD-1929.

Legend:

- 740 — Contour Major
- 741 — Contour Minor
- Edge of Stream
- Underground Telephone/Communication Line
- Underground Electric
- 6"CW — Chilled Water Supply
- 6"CR — Chilled Water Return
- 6"Water — Water Line
- 6"GAS — Gas Line
- 2"Steam VP — Steam Line
- 4" VP — Steam Line
- Steam Line
- Stormwater Pipe
- Sanitary Pipe
- Projected Location of Sanitary / Stormwater Pipe
- Edge of Woods
- Post and Rail Fence
- Light Pole
- Finished Floor Elevation and Location
- Water Valve
- Fire Hydrant and Manifold
- Existing Retaining/Stone Wall
- Sanitary Sewer Manhole
- Catch Basin
- Gas Meter
- Electric/Communication Manhole
- Drainage Manhole
- Deciduous Tree
- Coniferous Tree
- Sign
- 999.24 — Spot Elevations
- Wooden Guard Rail
- Wooden Bollard
- Proposed Test Pit
- Proposed Soil Boring
- Former Boring Location
- Stone Pavers
- Yard Drains



Chiang O'Brien ARCHITECTS

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607-272-6477

Design Development
University Health Services Facility
Cornell University
Ithaca, New York

DATE	11 March 2014
PROJECT #	1303
BUILDING #	2764
DRAWN BY	AJS, TRT
SCALE	AS SHOWN

EXISTING CONDITIONS PLAN

C100

CORNELL UNIVERSITY

UNIVERSITY HEALTH SERVICES FACILITY

SITE PLAN REVIEW

13.0 CONSTRUCTION MATERIALS

CONSTRUCTION MATERIALS – University Health Services Facility

Materiality

In response to the heavy bluestone structures, Willard Straight Hall and Annabel Taylor on either side; Uris Library, Morrill, McGraw and White Halls to the north; Myron Taylor to the south; the strategy is to have a dialogue with these structures with a modern response. Almost every building on central campus, new and historic has a bluestone base rising out of the ground, a native material to the region. It is proposed that the new University Health Services Facility will have the same, but as the building rises above the base a glass and metal curtain wall will provide the new building with lightness. As reflection of the building function, which is one of care giving and recovery, the curtain wall design began with an idea of an abstracted quilt pattern, an enveloping blanket. As the design has evolved that pattern has also taken on the character, coloration and pattern of the native bluestone, abstracted and made of transparent glass and colored metal sandwich panels. Layered on top of this façade treatment, will be vertical and horizontal sun shading elements of varying depth extended vertical mullions that are designed to be responsive to the environmental sun angle conditions as the building curves from south to west.

Sunshade studies of the southwest curving façade led to a solution of continuous horizontal sunshades to address the impact of the southern sun, while varying depth extended mullions are utilized specifically in response to the location of the window on the facade, the further west the deeper the extended mullion section, and simultaneously dependent on the width of the transparent section of glazing: wide windows have deeper mullions, narrow windows have shallower mullions.

On the Ho Plaza side of the existing Llenroc bluestone east façade will remain exposed, overlaid with a new highly transparent curtain wall to enhance visibility into UHSF from both the intersection of College Avenue and Campus Road and from Ho Plaza. A seating/gathering space at the main Ho Plaza entrance and this transparent face will draw the focus to public building program elements.

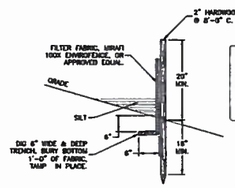
The remainder of the building on the Ho Plaza side will receive a limestone panel in response to the older concrete building to the north and west side of the current building.

CORNELL UNIVERSITY

UNIVERSITY HEALTH SERVICES FACILITY

SITE PLAN REVIEW

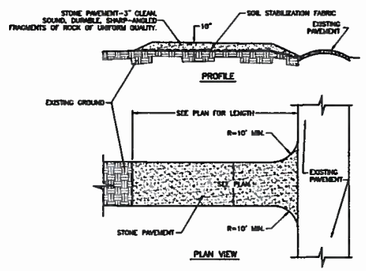
14.0 EROSION CONTROL PLAN



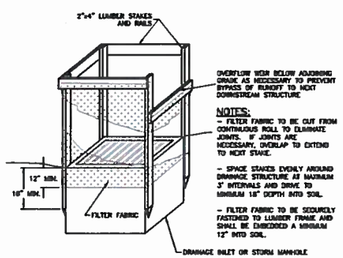
NOTES

1. WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER OVERLAP BY 6 INCHES AND FOLD.
2. PERFORM MAINTENANCE AS NEEDED AND REMOVE SILT WHEN BULGES DEVELOP IN THE SILT FENCE.

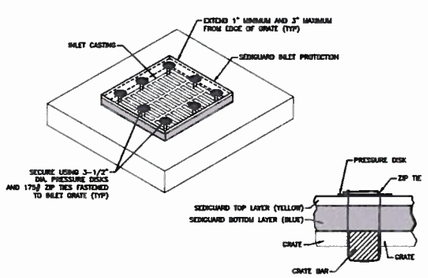
1 **SILT FENCE**
NOT TO SCALE



2 **TRACKING PAD**
NOT TO SCALE



3 **INLET PROTECTION**
NOT TO SCALE



4 **SEDIGUARD INLET PROTECTION**
NOT TO SCALE

STORMWATER MANAGEMENT & EROSION CONTROL NOTES

SEQUENCING

1. INSTALL SILT FENCING IN LOCATIONS SHOWN.
2. INSTALL TRUCK TRACKING PAD AT CONSTRUCTION SITE EXIT.
3. INSTALL INLET PROTECTION IN LOCATIONS SHOWN.
4. BEGIN BUILDING AND PAVEMENT EARTHWORK OPERATIONS. RUNOFF FROM ANY EXPOSED SOILS TO BE DIRECTED TO SILT FENCE OR INLET PROTECTION. PROVIDE TEMPORARY DIVERSION BERMS AS NECESSARY.
5. INSTALL UTILITIES.
6. COMPLETE GRADING, PAVEMENTS AND BUILDING.
7. INSTALL LANDSCAPING, TOPSOIL, SEED AND MULCH.
8. REMOVE SILT AND DEBRIS FROM ALL STORM SEWERS. DO NOT FLUSH DEBRIS DOWNSTREAM.

GENERAL NOTES

1. SILT FENCING TO BE INSTALLED ALONG CONTOURS, NOT CROSSING CONTOURS.
2. SURFACE RUNOFF FROM UPGRADE AREAS SHALL BE DIVERTED OR OTHERWISE PREVENTED FROM FLOWING THROUGH AREAS OF CONSTRUCTION ACTIVITY.
3. RUNOFF FROM DISTURBED AREAS SHALL NOT BE DISCHARGED OFF-SITE WITHOUT FIRST PASSING THROUGH A PROPERLY INSTALLED AND MAINTAINED SEDIMENT CONTROL STRUCTURE.
4. PERMANENT VEGETATION SHALL BE INSTALLED IMMEDIATELY FOLLOWING FINAL GRADING.
5. ALL CONTROL STRUCTURES SHALL BE PERIODICALLY INSPECTED AND MAINTAINED DURING CONSTRUCTION. SILT FENCE AND INLET PROTECTION SHALL BE CLEANED OUT WHEN SEDIMENT REACHES 25% OF THE HEIGHT OF THE FABRIC.
6. MAINTAIN TRUCK TRACKING PAD FOR DURATION OF PROJECT. TOP DRESS WITH ADDITIONAL AGGREGATE WHEN SURFACE BECOMES PACKED WITH SEDIMENT.
7. MAINTAIN INLET PROTECTION ON ALL INLETS THROUGH ALL PHASES OF THE PROJECT.
8. APPLY TEMPORARY OR PERMANENT SEED AND MULCH TO DISTURBED AREAS WITHIN 14 DAYS AFTER CLEARING.
9. PLACE SILT FENCE AROUND TOPSOIL STOCKPILES AND TEMPORARILY SEED IF LEFT UNDISTURBED FOR GREATER THAN 14 DAYS.
10. DISPOSE OF ALL FILL IN A MANNER THAT IS CONSISTENT WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

CONSERVATION SEED MIX

SPRING SEEDINGS

a) ANNUAL RYEGRASS	0.70 LBS/1000 S.F.
b) SPRING OATS	2.00 LBS/1000 S.F.
c) ANNUAL RYEGRASS AND SPRING OATS	0.35 LBS/1000 S.F. 1.00 LBS/1000 S.F.
d) PERENNIAL RYEGRASS	0.70 LBS/1000 S.F.

LATE SPRING & SUMMER SEEDINGS

a) SUDANGRASS	0.60 LBS/1000 S.F.
b) ANNUAL RYEGRASS	0.70 LBS/1000 S.F.
c) PERENNIAL RYEGRASS	0.70 LBS/1000 S.F.

LATE SUMMER & FALL SEEDINGS

a) ANNUAL RYEGRASS (SUMMER)	0.70 LBS/1000 S.F.
b) WINTER RYE (ANGUSTIFOLIA)	2.00 LBS/1000 S.F.
c) WINTER WHEAT	2.75 LBS/1000 S.F.
d) PERENNIAL RYEGRASS (PERMATRIX)	0.70 LBS/1000 S.F.

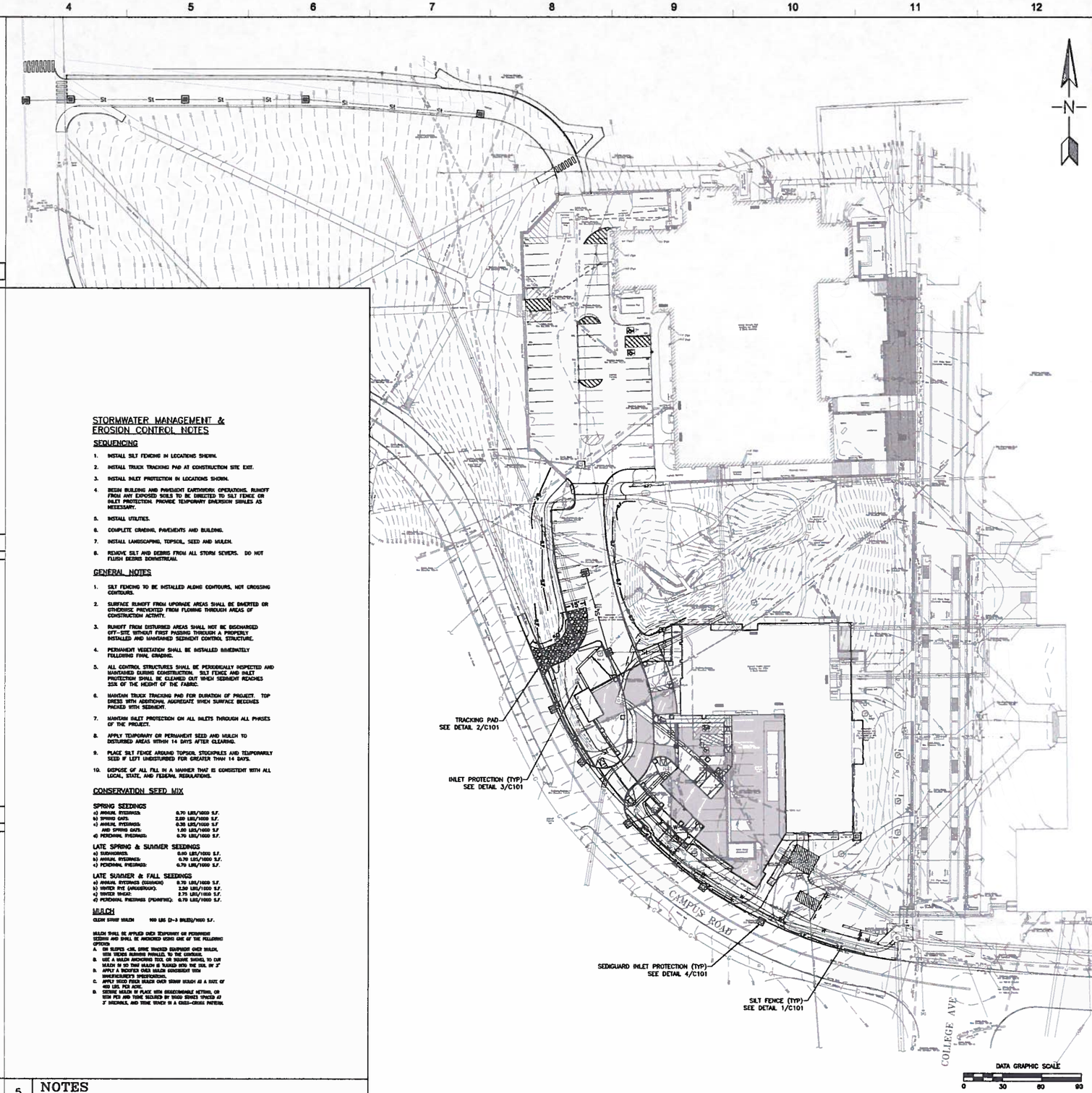
MULCH

CLEAN STRAW MULCH 100 LBS (2-3 BALES)/1000 S.F.

MULCH SHALL BE APPLIED OVER TEMPORARY OR PERMANENT SEEDING AND SHALL BE ANCHORED USING ONE OF THE FOLLOWING OPTIONS:

A. ON SLOPES <3:1, DRIVE TRACKED EQUIPMENT OVER MULCH, WITH TRACKS RUNNING PARALLEL TO THE CONTOUR.
B. USE A MULCH ANCHORING TOOL OR SIMILAR SHOVEL TO CUT MULCH IN SO THAT MULCH IS TUCKED INTO THE SOIL BY 3".
C. APPLY A TACKIFIER OVER MULCH ACCORDING WITH MANUFACTURER'S SPECIFICATIONS.
D. APPLY WOOD FIBER MULCH OVER STRAW MULCH AS A RATE OF 400 LBS. PER ACRE.
E. SECURE MULCH BY PLACE NON BIODEGRADABLE NETTING, OR THIN PEG AND TWINE SECURED BY WOOD STAKES SPACED AT 3' INTERVALS, AND TWINE WOVEN IN A CRISS-CROSS PATTERN.

5 **NOTES**
NOT TO SCALE



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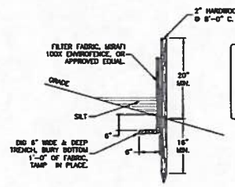
EROSION AND SEDIMENT CONTROL PLAN

C101
Phase 1

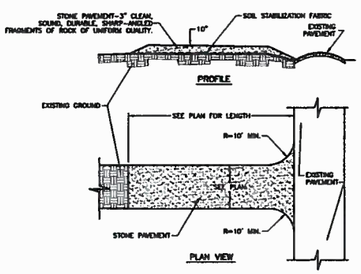


NOTES

1. WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER OVERLAP BY 6 INCHES AND FOLD.
2. PERFORM MAINTENANCE AS NEEDED AND REMOVE SILT WHEN BULGES DEVELOP IN THE SILT FENCE.

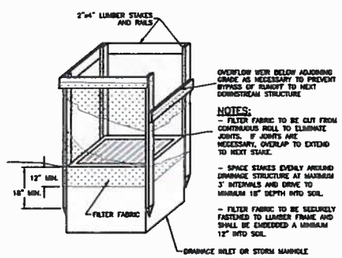
1 SILT FENCE

NOT TO SCALE



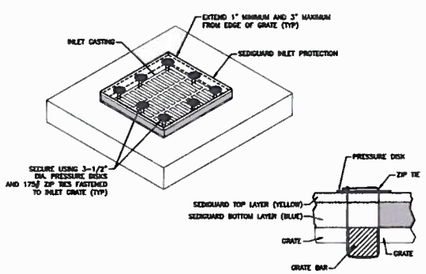
2 TRACKING PAD

NOT TO SCALE



3 INLET PROTECTION

NOT TO SCALE



4 SEDIGUARD INLET PROTECTION

NOT TO SCALE

STORMWATER MANAGEMENT & EROSION CONTROL NOTES

SEQUENCING

1. INSTALL SILT FENCING IN LOCATIONS SHOWN.
2. INSTALL TRUCK TRACKING PAD AT CONSTRUCTION SITE EXIT.
3. INSTALL INLET PROTECTION IN LOCATIONS SHOWN.
4. BEGIN UTILITY INSTALLATIONS. RUNOFF FROM ANY EXPOSED SOILS TO BE DIRECTED TO SILT FENCE OR INLET PROTECTION. PROVIDE TEMPORARY DIVERSION SWALES AS NECESSARY.
5. COMPLETE UTILITY INSTALLATIONS.
6. INSTALL LANDSCAPING, TOPSOIL, SEED AND MULCH.
7. REMOVE SILT AND DEBRIS FROM ALL STORM SEWERS. DO NOT FLUSH DEBRIS DOWNSTREAM.

GENERAL NOTES

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9. PLACE SILT FENCE AROUND TOPSOIL STOCKPILES AND TEMPORARILY SEED IF LEFT UNDISTURBED FOR GREATER THAN 14 DAYS.
10. DISPOSE OF ALL FILL IN A MANNER THAT IS CONSISTENT WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

CONSERVATION SEED MIX

SPRING SEEDINGS

a) ANNUAL RYEGRASS:	0.70 LBS/1000 S.F.
b) SPRING OATS:	2.00 LBS/1000 S.F.
c) ANNUAL RYEGRASS: AND SPRING OATS:	0.35 LBS/1000 S.F. 1.00 LBS/1000 S.F.
d) PERENNIAL RYEGRASS:	0.70 LBS/1000 S.F.

LATE SPRING & SUMMER SEEDINGS

a) SUDANGRASS:	0.80 LBS/1000 S.F.
b) ANNUAL RYEGRASS:	0.70 LBS/1000 S.F.
c) PERENNIAL RYEGRASS:	0.70 LBS/1000 S.F.

LATE SUMMER & FALL SEEDINGS

a) ANNUAL RYEGRASS (CONSERVA):	0.70 LBS/1000 S.F.
b) WINTER RYE (ABCOVERCROP):	2.00 LBS/1000 S.F.
c) WINTER WHEAT:	2.75 LBS/1000 S.F.
d) PERENNIAL RYEGRASS (PENNFINE):	0.70 LBS/1000 S.F.

MULCH

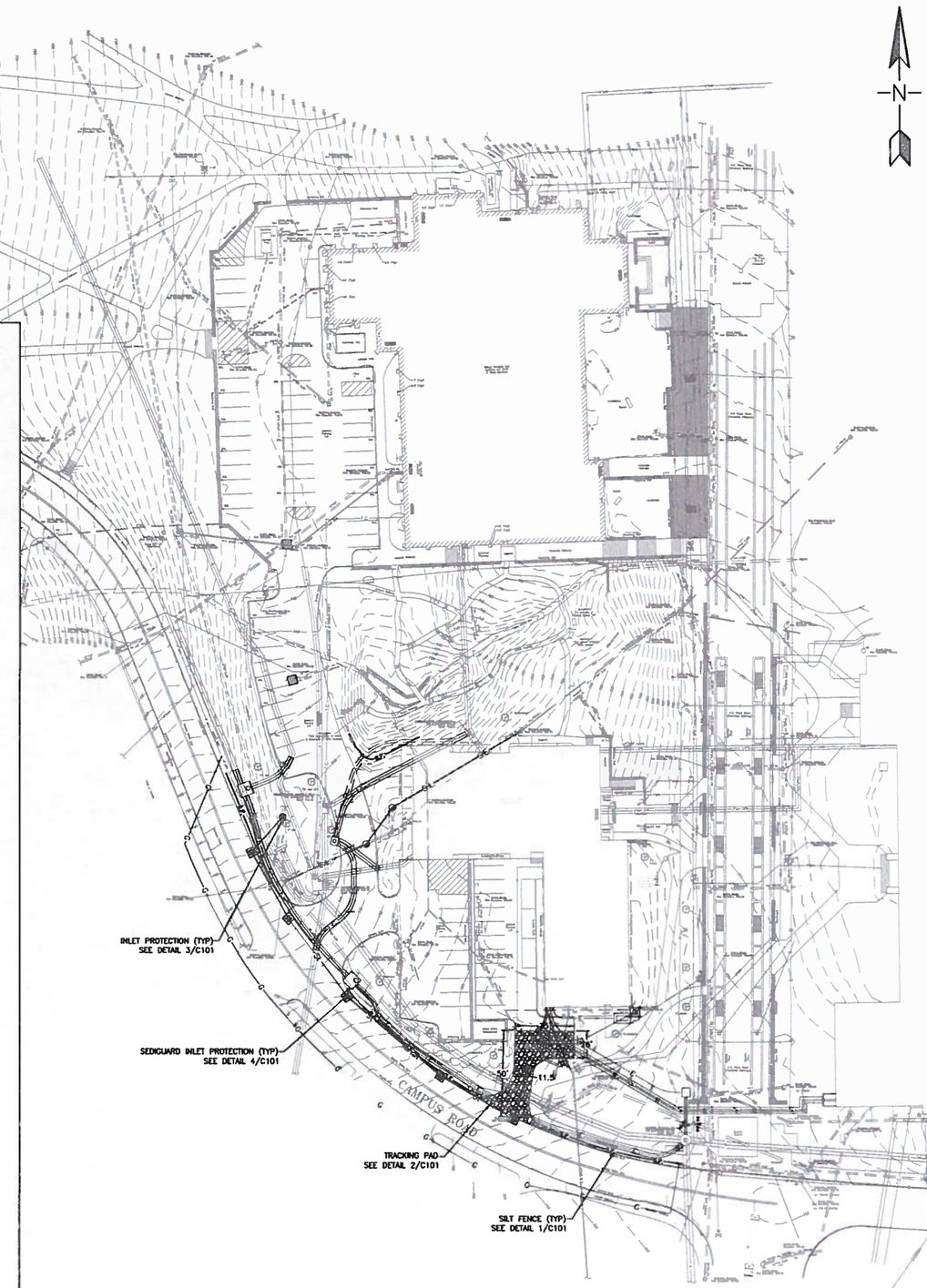
CLEAN STRAW MULCH 100 LBS (2-3 BALES)/1000 S.F.

MULCH SHALL BE APPLIED OVER TEMPORARY OR PERMANENT SEEDING AND SHALL BE ANCHORED USING ONE OF THE FOLLOWING OPTIONS:

A. ON SLOPES <3:1, USE TRACKED EQUIPMENT OVER MULCH, WITH TRACKS RUNNING PARALLEL TO THE CONTOUR.
B. USE A MULCH ANCHORING TOOL OR SIMILAR DEVICE TO CUT MULCH IN SO THAT MULCH IS TUCKED INTO THE SOIL BY 3".
C. APPLY A TACKIFIER OVER MULCH CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS.
D. APPLY WOOD FIBER MULCH OVER STRAW MULCH AS A RATE OF 400 LBS. PER ACRE.
E. SECURE MULCH IN PLACE WITH BIODEGRADABLE NETTING, OR WITH PEGS AND TWINE SECURED BY WOOD STAKES SPACED AT 3' INTERVALS AND TWINE WOVEN IN A CRISS-CROSS PATTERN.

5 NOTES

NOT TO SCALE



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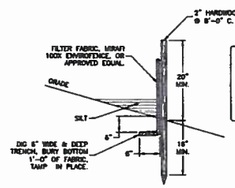
SCALE	AS SHOWN

EROSION AND SEDIMENT CONTROL PLAN

C101

Phase 1A



NOTES

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2. PERFORM MAINTENANCE AS NEEDED AND REMOVE SILT WHEN BULGES DEVELOP IN THE SILT FENCE.

1 SILT FENCE
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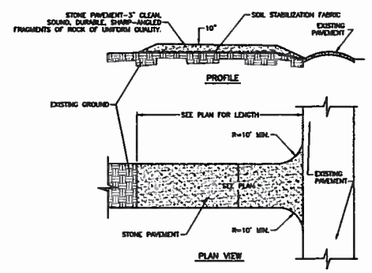

2 TRACKING PAD
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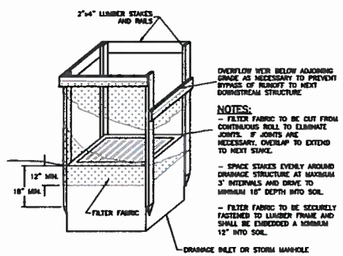

3 INLET PROTECTION
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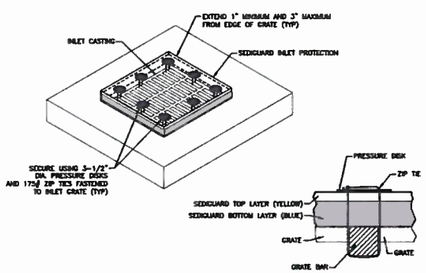


4 SEDIGUARD INLET PROTECTION
NOT TO SCALE

STORMWATER MANAGEMENT & EROSION CONTROL NOTES

SEQUENCING

1. INSTALL SILT FENCING IN LOCATIONS SHOWN.
2. INSTALL TRUCK TRACKING PADS AT CONSTRUCTION SITE EXITS.
3. INSTALL INLET PROTECTION IN LOCATIONS SHOWN.
4. BEGIN BUILDING AND PAVEMENT EARTHWORK OPERATIONS. RUNOFF FROM ANY EXPOSED SOILS TO BE DIRECTED TO SILT FENCE OR INLET PROTECTION. PROVIDE TEMPORARY DIVERSION BERMS AS NECESSARY.
5. INSTALL UTILITIES.
6. COMPLETE GRADING, PAVEMENTS AND BUILDING.
7. INSTALL LANDSCAPING, TOPSOIL, SEED AND MULCH.
8. REMOVE SILT AND DEBRIS FROM ALL STORM SEWERS. DO NOT FLUSH DEBRIS DOWNSTREAM.

GENERAL NOTES

1. SILT FENCING TO BE INSTALLED ALONG CONTOURS, NOT CROSSING CONTOURS.
2. SURFACE RUNOFF FROM UPGRADE AREAS SHALL BE DIVERTED OR OTHERWISE PREVENTED FROM FLOWING THROUGH AREAS OF CONSTRUCTIVITY.
3. RUNOFF FROM DISTURBED AREAS SHALL NOT BE DISCHARGED OFF-SITE WITHOUT FIRST PASSING THROUGH A PROPERLY INSTALLED AND MAINTAINED SEDIMENT CONTROL STRUCTURE.
4. PERMANENT VEGETATION SHALL BE INSTALLED IMMEDIATELY FOLLOWING FINAL GRADING.
5. ALL CONTROL STRUCTURES SHALL BE PERIODICALLY INSPECTED AND MAINTAINED DURING CONSTRUCTION. SILT FENCE AND INLET PROTECTION SHALL BE CLEANED OUT WHEN SEDIMENT REACHES 25% OF THE HEIGHT OF THE FABRIC.
6. MAINTAIN TRUCK TRACKING PADS FOR DURATION OF PROJECT. TOP DRESS WITH ADDITIONAL AGGREGATE WHEN SURFACES BECOME PACKED WITH SEDIMENT.
7. MAINTAIN INLET PROTECTION ON ALL INLETS THROUGH ALL PHASES OF THE PROJECT.
8. APPLY TEMPORARY OR PERMANENT SEED AND MULCH TO DISTURBED AREAS WITHIN 14 DAYS AFTER CLEARING.
9. PLACE SILT FENCE AROUND TOPSOIL STOCKPILES AND TEMPORARILY SEED IF LEFT UNDISTURBED FOR GREATER THAN 14 DAYS.
10. DISPOSE OF ALL FILL IN A MANNER THAT IS CONSISTENT WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

CONSERVATION SEED MIX

SPRING SEEDINGS

a) ANNUAL RYEGRASS:	0.70 LBS/1000 S.F.
b) SPRING OATS:	2.00 LBS/1000 S.F.
c) ANNUAL RYEGRASS: AND SPRING OATS:	0.35 LBS/1000 S.F. 1.00 LBS/1000 S.F.
d) PERENNIAL RYEGRASS:	0.70 LBS/1000 S.F.

LATE SPRING & SUMMER SEEDINGS

a) SUDANGRASS:	0.50 LBS/1000 S.F.
b) ANNUAL RYEGRASS:	0.70 LBS/1000 S.F.
c) PERENNIAL RYEGRASS:	0.70 LBS/1000 S.F.

LATE SUMMER & FALL SEEDINGS

a) ANNUAL RYEGRASS (COMMON)	0.70 LBS/1000 S.F.
b) WINTER RYE (ABCORDONCE)	2.00 LBS/1000 S.F.
c) WINTER WHEAT:	2.75 LBS/1000 S.F.
d) PERENNIAL RYEGRASS (PENNFINE)	0.70 LBS/1000 S.F.

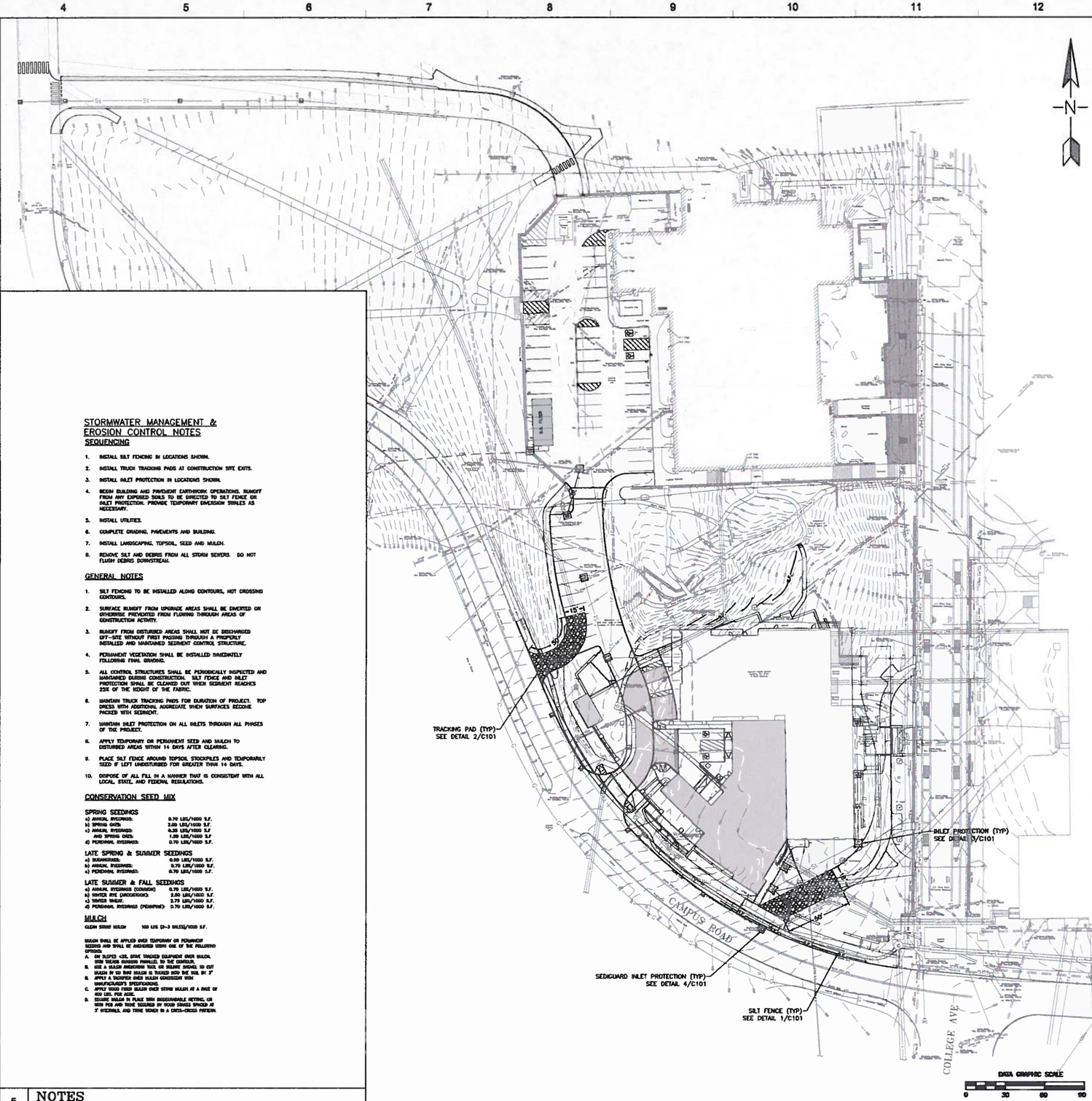
MULCH

GLOW STRAW MULCH 100 LBS (2-3 BALES)/1000 S.F.

MULCH SHALL BE APPLIED OVER TEMPORARY OR PERMANENT SEEDING AND SHALL BE ANCHORED WITH ONE OF THE FOLLOWING OPTIONS:

A. ON SLOPES <3:1, DISK TRACKED EQUIPMENT OVER MULCH, WITH TREADS RUNNING PARALLEL TO THE CONTOUR.
B. USE A MULCH ANCHORING TOOL OR SIMILAR SHOVEL TO CUT MULCH IN TO THE MULCH IS TUCKED INTO THE SOIL BY 3"
B. APPLY A TACKIFIER OVER MULCH CONSISTENT WITH MANUFACTURER'S SPECIFICATIONS.
C. APPLY WOOD FIBER MULCH OVER STRAW MULCH AT A RATE OF 400 LBS. PER ACRE.
D. SECURE MULCH IN PLACE WITH BIODEGRADABLE NETTING, OR WITH PCS AND TWINE SECURED BY WOOD STAKES SPACED AT 3' INTERVALS, AND TWINE WOVEN IN A CRISS-CROSS PATTERN.

5 NOTES
NOT TO SCALE



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C101
Phase 2

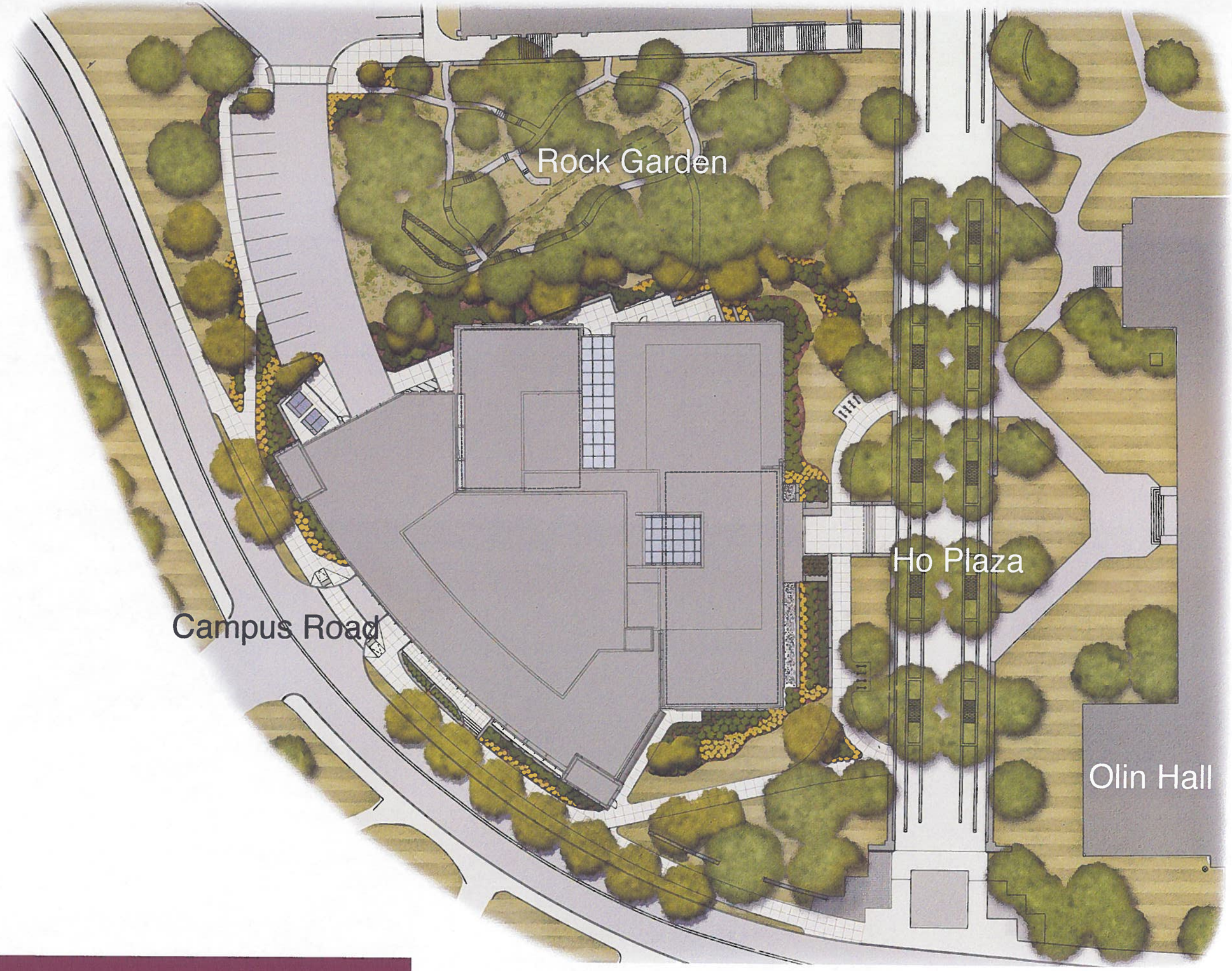
CORNELL UNIVERSITY

UNIVERSITY HEALTH SERVICES FACILITY

SITE PLAN REVIEW

15.0 RENDERINGS/IMAGES

Site aerial view



Roof level site plan

Ground level site plan

Design Development | March 6, 2014 | Cornell University Health Services Facility

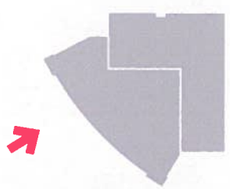
East Entrance

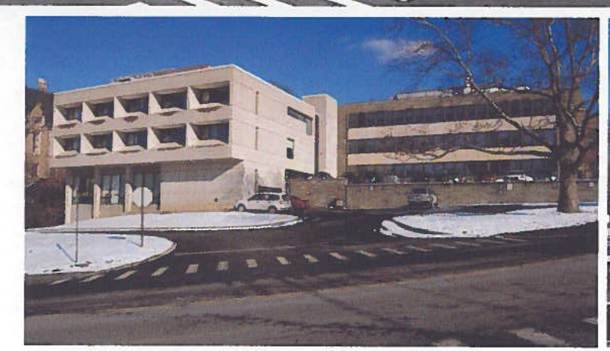
Chiang O'Brien ARCHITECTS

View from College Avenue

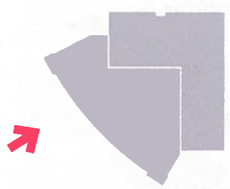
Dusk View from College Avenue

Birds Eye View of Southeast Corner



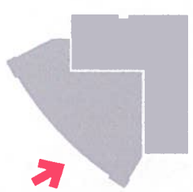


View from South



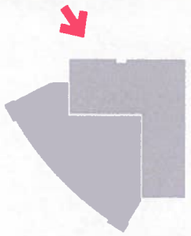
Dusk View from South

South Entrance

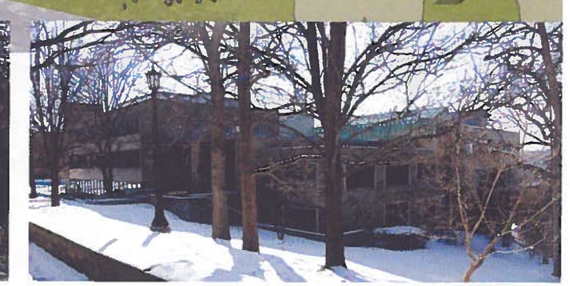


South Entrance

View from West Campus



North terrace



View from Ho Plaza