

ADDENDUM

PROJECT New Engineering and Science Building – The University of Connecticut
Project No. 901376

NO. Addendum No. 09

DATE October 7, 2015

All items of this addendum become part of the Contract Documents and amend, supplement, modify, change, delete or add to the provisions of the Contract Documents. Where any provision of the Contract Documents is so affected, the unaltered provisions shall remain in effect. Where possible, the provisions of this addendum shall be construed together with and harmonized with the provisions of the Contract Documents, but where the provisions of this addendum cannot be harmonized, the provisions of this addendum take precedence over conflicting provisions articles, paragraphs or subparagraphs in the Contract Documents.

THE PURPOSE OF THIS ADDENDUM IS TO CHANGE THE FOLLOWING ITEMS:

Make changes to scope of work as identified on the following affected specifications and drawings:

CHANGES TO THE SPECIFICATIONS:

1. Refer to specification Section 012300 ALTERNATES:
 - A. **Revise** Part 3.1 SCHEDULE OF ALTERNATES

CHANGES TO THE DRAWINGS:

LANDSCAPE

1. Refer to drawing L5.00:
 - A. **Revisions** to planting plan.
2. **Add** new drawing L6.04 PLANTING ALTERNATES

ARCHITECTURAL

1. Refer to drawing A0.01:
 - A. **Add** new drawing sheet to the list.

END OF ADDENDUM No. 9 SUMMARY

New Engineering and Science Building
The University of Connecticut
Addendum No. 9: October 07, 2015

Proj. No. 901376

Page 1 of 1

SECTION 01-2300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.

- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.
- E. Alternates shall be valid for the life of the contract and may be selected within 30 days from notice to proceed at no additional cost to the owner. Alternates may be negotiated as applicable, in the event the owner selects the alternate beyond the 30 day period from notice to proceed.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Exterior Wall Base

- 1. Base Bid: Stone base as specified in Division 042000 "Unit Masonry"
- 2. Alternate: Cast stone base as specified in Division 047200 "Cast Stone"

Alternate No. 2: Interior Wall Base

- 1. Base Bid: Solid wood base at laboratory corridor walls as detailed on 10/A7.11 and specified in Division 064023 "Architectural Woodwork"
- 2. Alternate: Rubber base in lieu of solid wood base at laboratory corridor walls as specified in Division 096519 "Resilient Tile Flooring"

Alternate No. 3: Curtain Wall Performance Mockup Requirement

- 1. Base Bid: Performance Mock-up Testing as specified in Division 084413 "Curtain Walls, Storefront and Entrances" sections 1.05B and 4.01.
- 2. Alternate: Delete Performance Mock-up Testing requirement as specified in Division 084413 "Curtain Walls, Storefront and Entrances" sections 1.05B and 4.01.

Alternate No. 4: Controlled Environmental Rooms

- 1. Base Bid: Provide Controlled Environmental Rooms 210A, 312A, ~~316A~~ 316EA, 410A, ~~512B~~ 412B and 510A as identified on the drawings and specified in Division 132100 "Controlled Environmental Rooms"
- 2. Alternate: Provide Controlled Environmental Rooms 210A, 312A, 316A as identified on the drawings and specified in Division 132100 "Controlled Environmental Rooms". Delete Controlled Environmental Rooms 410A, 512B and 510A.

Alternate No. 5: Dichroic Glass Fins

1. Base Bid: Provide dichroic glass fins “X-G” as identified on Exterior Elevations A3.01, A3.02 and A3.03 and specified in Division 084413 “Curtain Walls, Storefront and Entrances”.
2. Alternate: Delete dichroic glass fins “X-G” as identified on Exterior Elevations A3.01, A3.02 and A3.03 and specified in Division 084413 “Curtain Walls, Storefront and Entrances”.

Alternate No. 6: Epoxy Resin Flooring at Penthouse Level

1. Base Bid: Provide Epoxy Resin Flooring “F4” in rooms PH1, PH2, PH5, PH6, VPHA and VPHB as identified on Penthouse Plan A2.06 and specified in Division 096724 “Resinous Flooring For Mechanical Equipment Rooms”
2. Alternate: Provide Sealed Concrete “F7” in rooms PH1, PH2, PH5, PH6, VPHA and VPHB as identified on Penthouse Plan A2.06 and specified in Division 099000 “Painting and Finishing”

Alternate No. 7: Roofing

1. Base Bid: Provide Fluid Applied Roofing as specified in Division 075625 “Fluid Applied Roofing System” at all roofs.
2. Alternate: Provide EPDM Roofing at Roof Type R1 and R3 as Specified in Division 075300 “Membrane Roofing and Roof Insulation”. (See Addendum #1)

Alternate No. 8:

1. Base Bid: Fit out CGI Server Room 322 as documented.
2. Alternate: Fit out Room 322 to office space. (See Addendum #1)

Alternate No. 9:

1. Base Bid: Complete Structured Horizontal Cabling Systems Fit-out of Levels 1, 4, and 5 per Drawings T101, T104, and T105 per plans and specifications. Installation of Telecommunication Backbone cabling, grounding infrastructure and Telecommunication IDF Build-outs per drawings T301, T302, T601, T602, T603, T604, T605, T606, T607, T608. T609.
2. Alternate: Complete Fit-out of Levels 1, 4, and 5 per Drawings T101, T104, and T105 for Structured Horizontal Cabling Systems pathways and spaces only. These pathways and spaces shall include the installation all required horizontal and vertical conduits, back-boxes, cable tray and surface mounted raceways per plans and specifications. Installation of Telecommunication Backbone cabling ,grounding infrastructure and Telecommunication IDF Build-outs per drawings T301, T302, T601, T602, T603, T604, T605, T606, T607, T608 and T609. Horizontal Structured Cabling Systems per plans and specifications shall be installed at a future date

Alternate No. 10:

1. Base Bid: Complete Structured Horizontal Cabling Systems Fit-out of Levels 2 and 3 per Drawings T102 and T103 per plans and specifications. Installation of

Telecommunication Backbone cabling, grounding infrastructure and Telecommunication IDF and Server Room Build-outs per drawings T301, T302, T601, T602, T603, T604, T605, T606, T607, T608. T609 and T610

2. **Alternate:** Complete Fit-out of Levels 2 and 3 per Drawings T102 and T103 for Structured Horizontal Cabling Systems pathways and spaces only. These pathways and spaces shall include the installation all required horizontal and vertical conduits, back-boxes, cable tray and surface mounted raceways per plans and specifications. . Installation of Telecommunication Backbone cabling ,grounding infrastructure and Telecommunication IDF and Server Room Build-outs per drawings T301, T302, T601, T602, T603, T604, T605, T606, T607, T608 and T609 and T610. Horizontal Structured Cabling Systems per plans and specifications shall be installed at a future date

Alternate No. 11: Landscape

1. **Base Bid:** Provide planting as documented on Site Planting Plan L5.00A.
2. **Alternate:** Removal of plant materials at the southeast corner near the existing Student Health Services, expansion of meadow & reduction of meadow plant size from #3 container to plugs per drawing L6.04A.

Alternate No. 12: Landscape

1. **Base Bid:** Provide planting as documented on Site Planting Plan L5.00A.
2. **Alternate:** Provide Spreading Japanese Plum Yews in lieu of Winterberry Hollies, increase spacing from 36"o.c. to 42"o.c., reduce overall plant quantity per drawing L6.04A.

Alternate No. 13: Landscape

1. **Base Bid:** Provide Landscape Maintenance as specified in section 329353.
2. **Alternate:** Provide a 1 year Maintenance Period in lieu of 2 years as specified in section 329353.

END OF SECTION 01-2300

NEW ENGINEERING & SCIENCE BUILDING

UCONN PROJECT NO: 901376

VOLUME I

ARCHITECTURAL

- A0.00-I COVER VOLUME I
- A0.01 DRAWING LIST
- A0.02 SYMBOLS AND ABBREVIATIONS
- A0.03 CODE SUMMARY
- A0.04 BASEMENT, 1 THROUGH 3 FLOORS CODE COMPLIANCE PLANS
- A0.05 4 THROUGH PENTHOUSE FLOORS CODE COMPLIANCE PLANS

SURVEY

- SV-1 EXISTING CONDITIONS SURVEY
- SV-2 EXISTING CONDITIONS SURVEY

CIVIL

- C101 SITE DEMOLITION PLAN
- C201 SITE LAYOUT PLAN
- C301 GRADING AND DRAINAGE PLAN
- C401 SITE UTILITIES
- C501 EROSION AND SEDIMENTATION CONTROL PLAN
- C601 DETAILS
- C602 DETAILS
- C603 DETAILS
- C604 DETAILS

FOUNDATION

- FD1.0 FOUNDATION & UNDERSLAB DRAIN PLAN

LANDSCAPE

- L0.00A TREE PROTECTION AND TRANSPLANTING PLAN
- L1.00A SITE GRADING PLAN
- L2.00A SITE MATERIALS PLAN
- L2.01A SITE MATERIALS ENLARGEMENTS
- L3.00A SITE LAYOUT PLAN
- L3.01A GUARDRAIL LAYOUT
- L3.02A PAVEMENT LAYOUT
- L4.00A SITE PLANTING SOILS PLAN
- L5.00A SITE PLANTING PLAN
- L5.01A GREENROOF PLANTING PLAN
- L5.02A PLANTING DETAILS
- L6.00A SITE DETAILS
- L6.01A WALL AND RAIL DETAILS
- L6.03 LIGHTED HANDRAIL DETAILS
- L6.04 PLANTING ALTERNATES
- SE.00 SITE ENABLING CONTEXT
- SE.01 SITE ENABLING: GRADING, LAYOUT AND MATERIALS
- SE.03 SITE ENABLING: DETAILS

ARCHITECTURAL

- A2.00 BASEMENT PLAN
- A2.01 FIRST FLOOR PLAN
- A2.02 SECOND FLOOR PLAN
- A2.03 THIRD FLOOR PLAN
- A2.04 FOURTH FLOOR PLAN
- A2.05 FIFTH FLOOR PLAN
- A2.06 PENTHOUSE PLAN
- A2.07 ROOF PLAN
- A3.01 EXTERIOR ELEVATION NORTH & STAIR BULKHEAD
- A3.02 EXTERIOR ELEVATION SOUTH
- A3.03 EXTERIOR ELEVATIONS EAST WEST
- A3.04 EXTERIOR PARTIAL ELEVATIONS WEST
- A3.05 EXTERIOR PARTIAL ELEVATIONS EAST
- A4.01 EXTERIOR WALL SECTIONS
- A4.02 EXTERIOR WALL SECTIONS
- A4.03 VESTIBULE A & CANOPY
- A4.04 VESTIBULE A & CANOPY
- A4.05 VESTIBULE B
- A5.01 ELEVATOR LAYOUT
- A5.02 ELEVATOR DETAILS
- A5.03 STAIR A PLANS AND SECTIONS
- A5.04 STAIR B PLANS AND SECTIONS
- A5.05 STAIR A DETAILS
- A5.06 STAIR B DETAILS
- A5.07 STAIR C PLANS, SECTIONS AND DETAILS
- A6.00 EXTERIOR ENVELOPE WALL & ROOF ASSEMBLY TYPES
- A6.01 EXTERIOR DETAILS
- A6.02 EXTERIOR DETAILS
- A6.03 EXTERIOR DETAILS
- A6.04 EXTERIOR DETAILS
- A6.05 EXTERIOR DETAILS
- A6.06 EXTERIOR DETAILS
- A6.07 EXTERIOR DETAILS
- A6.08 EXTERIOR DETAILS
- A6.09 EXTERIOR DETAILS
- A6.10 EXTERIOR PLAN DETAILS FIRST FLOOR
- A6.11 EXTERIOR PLAN DETAILS FIRST FLOOR
- A6.12 EXTERIOR PLAN DETAILS SECOND TO FIFTH FLOOR
- A6.13 EXTERIOR PLAN DETAILS SECOND TO FIFTH FLOOR
- A6.14 EXTERIOR PLAN DETAIL PENTHOUSE & BULKHEAD
- A6.30 EXTERIOR SECTION DETAILS
- A6.31 EXTERIOR SECTION DETAILS
- A6.32 EXTERIOR SECTION DETAILS
- A6.33 EXTERIOR SECTION DETAILS
- A6.50 EXTERIOR ROOF DETAILS
- A6.70 SITE AND VESTIBULE DETAILS
- A6.71 CANOPY & MISC. DETAILS
- A6.72 VESTIBULE DETAILS
- A6.73 NEW ROOF AT CENTRAL UTILITIES PLANT
- A7.00 INTERIOR COLOR SCHEDULE & TYP. TILE WALL DETAILS

- A7.01 LOBBY, GATHERING SPACE & SMART BLDG DISPLAY
- A7.02 INTERIOR ELEVATIONS FIRST FLOOR
- A7.03 INTERIOR ELEVATIONS FIRST FLOOR
- A7.04 INTERIOR ELEVATIONS
- A7.06 DECORATIVE GLASS SCREEN WALL IN LOBBY
- A7.07 GATHERING SPACE MOVABLE VIDEO TABLE
- A7.09 INTERIOR DETAILS
- A7.10 INTERIOR DETAILS
- A7.11 INTERIOR DETAILS
- A7.12 INTERIOR DETAILS
- A7.13 INTERIOR SIGNAGE
- A7.25 RESTROOMS
- A7.50 INTERIOR PARTITION TYPES
- A7.51 DOORS, FRAMES & THRESHOLDS
- A8.00 BASEMENT REFLECTED CEILING PLAN
- A8.01 FIRST FLOOR REFLECTED CEILING PLAN
- A8.02 SECOND FLOOR REFLECTED CEILING PLAN
- A8.03 THIRD FLOOR REFLECTED CEILING PLAN
- A8.04 FOURTH FLOOR REFLECTED CEILING PLAN
- A8.05 FIFTH FLOOR REFLECTED CEILING PLAN
- A8.06 PENTHOUSE REFLECTED CEILING PLAN
- A8.07 CEILING DETAILS
- A8.08 GATHERING ROOM RCP AND DETAILS
- A8.09 CEILING DETAILS
- A8.10 T-SLOTTED ALUMINUM FRAME CEILING DETAILS
- A8.11 ENLARGED CEILING PLANS
- A8.12 ENLARGED CEILING PLANS
- A8.13 ENLARGED CEILING PLAN

- A9.01 LAB CASEWORK SCHEDULE
- A9.01A EQUIPMENT LIST
- A9.02 1ST FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.03 1ST FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.04 1ST FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.05 1ST FLOOR ELEVATIONS
- A9.06 2ND FLOOR ENLARGED PARTIAL PLAN AND ELEVATIONS
- A9.07 2ND FLOOR ELEVATIONS
- A9.08 2ND FLOOR ENLARGED PARTIAL PLAN AND ELEVATIONS
- A9.09 2ND FLOOR ENLARGED PARTIAL PLAN AND ELEVATIONS
- A9.10 2ND FLOOR ENLARGED PARTIAL PLANS & ELEVATIONS
- A9.11 3RD FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.12 3RD FLOOR ELEVATIONS
- A9.13 3RD FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.14 3RD FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.15 3RD FLOOR ENLARGED PARTIAL PLANS & ELEVATIONS
- A9.16 4TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.17 4TH FLOOR ELEVATIONS
- A9.18 4TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.19 4TH FLOOR ELEVATIONS
- A9.20 4TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.21 4TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.22 5TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.23 5TH FLOOR ELEVATIONS
- A9.24 5TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.25 5TH FLOOR ELEVATIONS
- A9.26 5TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.27 5TH FLOOR ENLARGED PARTIAL PLAN & ELEVATIONS
- A9.28 LAB BENCH PLANS & ELEVATIONS
- A9.29 LAB BENCH PLANS & ELEVATIONS
- A9.29A LAB BENCH PLANS & ELEVATIONS
- A9.30 LAB BENCH PLANS & ELEVATIONS
- A9.31 DETAILS
- A9.32 DETAILS
- A9.33 DETAILS
- A9.34 DETAILS
- A9.35 UMBILICAL PLAN DETAILS
- A9.36 UMBILICAL PLAN DETAILS
- A9.37 DETAILS
- A9.41 FIRST FLOOR FINISH PLAN
- A9.42 SECOND FLOOR FINISH PLAN
- A9.43 THIRD FLOOR FINISH PLAN
- A9.44 FOURTH FLOOR FINISH PLAN
- A9.45 FIFTH FLOOR FINISH PLAN
- A9.46 FLOORING PATTERN DETAILS
- A9.50 BID ADDENDUM 01 ALTERNATES

FAÇADE MAINTENANCE

- FM-101 FAÇADE MAINTENANCE COMPOSITE ROOF PLAN
- FM-201 FAÇADE MAINTENANCE EQUIPMENT DETAIL

STRUCTURAL

- S-100 FOUNDATION PLAN
- S-101 1ST FLOOR FRAMING PLAN
- S-102 2ND FLOOR FRAMING PLAN
- S-103 3RD FLOOR FRAMING PLAN
- S-104 4TH FLOOR FRAMING PLAN
- S-105 5TH FLOOR FRAMING PLAN
- S-106 PENTHOUSE FRAMING PLAN
- S-107 PENTHOUSE ROOF FRAMING PLAN
- S-201 FOUNDATION SECTIONS AND DETAILS I
- S-202 FOUNDATION SECTIONS AND DETAILS II
- S-301 SECTIONS AND DETAILS I
- S-302 SECTIONS AND DETAILS II
- S-303 SECTIONS AND DETAILS III
- S-304 SECTIONS AND DETAILS IV
- S-305 UTILITY PLANT ROOF PLAN, SECTIONS AND DETAILS
- S-401 LATERAL BRACINGS I
- S-402 LATERAL BRACINGS II
- S-501 COLUMN SCHEDULE I
- S-502 COLUMN SCHEDULE II
- S-600 GENERAL NOTES
- S-601 TYPICAL DETAILS I
- S-602 TYPICAL DETAILS II
- S-603 TYPICAL DETAILS III
- S-604 TYPICAL DETAILS IV
- S-605 BRACING DETAILS
- S-606 TYPICAL DETAILS V

VOLUME II

ARCHITECTURAL

- A0.00-II COVER VOLUME II
- A0.01 DRAWING LIST

HVAC

- H0.00 HVAC LEGEND
- H0.01 HVAC SCHEDULES
- H0.02 HVAC SCHEDULES
- H0.11 HVAC SITE DETAILS
- H1.00 BASEMENT DUCTWORK PLAN
- H1.01 FIRST FLOOR DUCTWORK PLAN
- H1.02 SECOND FLOOR DUCTWORK PLAN
- H1.03 THIRD FLOOR DUCTWORK PLAN
- H1.04 FOURTH FLOOR DUCTWORK PLAN
- H1.05 FIFTH FLOOR DUCTWORK PLAN
- H1.06 PENTHOUSE DUCTWORK PLAN
- H1.07 ROOF DUCTWORK PLAN
- H2.00 BASEMENT PLAN PIPING
- H2.01 FIRST FLOOR PIPING PLAN
- H2.02 SECOND FLOOR PIPING PLAN
- H2.03 THIRD FLOOR PIPING PLAN
- H2.04 FOURTH FLOOR PIPING PLAN
- H2.05 FIFTH FLOOR PIPING PLAN
- H2.06 PENTHOUSE PIPING PLAN
- H2.07 ROOF PIPING PLAN
- H3.00 HVAC AIRFLOW DIAGRAM
- H3.01 HVAC CHILLED WATER FLOW DIAGRAM
- H3.02 HVAC STEAM FLOW DIAGRAM
- H3.03 HVAC HOT WATER FLOW DIAGRAM
- H4.01 HVAC SECTIONS
- H4.02 HVAC BASEMENT ENLARGED PLAN
- H5.00 AHU DETAILS
- H5.01 HVAC DETAILS
- H5.02 HVAC DETAILS
- H5.03 HVAC DETAILS

PLUMBING

- P0.01 PLUMBING COVER SHEET
- P0.02 PLUMBING SCHEDULES
- P0.03 PLUMBING DETAILS
- P0.04 PLUMBING DETAILS
- P0.05 PLUMBING DETAILS
- P1.00 PLUMBING SUPPLY BASEMENT FLOOR PLAN
- P1.01 PLUMBING SUPPLY FIRST FLOOR PLAN
- P1.02 PLUMBING SUPPLY SECOND FLOOR PLAN
- P1.03 PLUMBING SUPPLY THIRD FLOOR PLAN
- P1.04 PLUMBING SUPPLY FOURTH FLOOR PLAN
- P1.05 PLUMBING SUPPLY FIFTH FLOOR PLAN
- P1.06 PLUMBING SUPPLY PENTHOUSE PL
- P1.07 PLUMBING SUPPLY ROOF PLAN
- P2.00 PLUMBING DRAINAGE BASEMENT FLOOR PLAN
- P2.00U PLUMBING DRAINAGE UNDERGROUND PLAN
- P2.01 PLUMBING DRAINAGE FIRST FLOOR PLAN
- P2.02 PLUMBING DRAINAGE SECOND FLOOR PLAN
- P2.03 PLUMBING DRAINAGE THIRD FLOOR PLAN
- P2.04 PLUMBING DRAINAGE FOURTH FLOOR PLAN
- P2.05 PLUMBING DRAINAGE FIFTH FLOOR PLAN
- P2.06 PLUMBING DRAINAGE PENTHOUSE PLAN
- P2.07 PLUMBING DRAINAGE ROOF PLAN
- P3.00 SANITARY AND LABORATORY WASTE RISER DIAGRAMS
- P3.01 SANITARY AND LABORATORY WASTE RISER DIAGRAMS
- P3.02 RAINWATER RISER DIAGRAM
- P3.03 DOMESTIC AND NON POTABLE WATER RISER DIAGRAM
- P3.04 DOMESTIC AND NON POTABLE WATER RISER DIAGRAM
- P3.05 LABORATORY GASES RISER DIAGRAM
- P3.06 LABORATORY GASES RISER DIAGRAM
- P3.07 RODI RISER DIAGRAM
- P4.00 PLUMBING PART PLAN 2ND FLOOR NORTH
- P4.01 PLUMBING PART PLAN 2ND FLOOR SOUTH
- P4.02 PLUMBING PART PLAN 3RD FLOOR NORTH
- P4.03 PLUMBING PART PLAN 3RD FLOOR SOUTH
- P4.04 PLUMBING PART PLAN 4TH FLOOR NORTH
- P4.05 PLUMBING PART PLAN 4TH FLOOR NORTH
- P4.06 PLUMBING PART PLAN 5TH FLOOR NORTH
- P4.07 PLUMBING PART PLAN 5TH FLOOR SOUTH

FIRE PROTECTION

- FP0.01 FIRE PROTECTION COVER SHEET
- FP0.02 FIRE PROTECTION DETAILS
- FP1.00 FIRE PROTECTION BASEMENT PLAN
- FP1.01 FIRE PROTECTION FIRST FLOOR
- FP1.02 FIRE PROTECTION SECOND FLOOR
- FP1.03 FIRE PROTECTION THIRD FLOOR
- FP1.04 FIRE PROTECTION FOURTH FLOOR
- FP1.05 FIRE PROTECTION FIFTH FLOOR
- FP1.06 FIRE PROTECTION PENTHOUSE
- FP1.07 FIRE PROTECTION ROOF
- FP3.00 FIRE PROTECTION RISER DIAGRAM

ELECTRICAL - FIRE ALARM

- E-001 ELECTRICAL SYMBOL LIST, LEGEND & SCHEDULES
- E-100 ELECTRICAL SITE PLAN
- E-101 ELECTRICAL BASEMENT LEVEL LIGHTING PLAN
- E-200 ELECTRICAL BASEMENT LIGHTING PLAN
- E-201 ELECTRICAL FLOOR 1 LIGHTING PLAN
- E-202 ELECTRICAL FLOOR 2 LIGHTING PLAN
- E-203 ELECTRICAL FLOOR 3 LIGHTING PLAN
- E-204 ELECTRICAL FLOOR 4 LIGHTING PLAN
- E-205 ELECTRICAL FLOOR 5 LIGHTING PLAN
- E-206 ELECTRICAL PENTHOUSE LIGHTING PLAN
- E-207 ELECTRICAL ROOFTOP LIGHTING PLAN
- E-300 ELECTRICAL BASEMENT POWER PLAN
- E-301 ELECTRICAL FLOOR 1 POWER PLAN
- E-302 ELECTRICAL FLOOR 2 POWER PLAN
- E-303 ELECTRICAL FLOOR 3 POWER PLAN
- E-304 ELECTRICAL FLOOR 4 POWER PLAN
- E-305 ELECTRICAL FLOOR 5 POWER PLAN
- E-306 ELECTRICAL PENTHOUSE POWER PLAN
- E-307 ELECTRICAL ROOFTOP POWER PLAN
- E-501 ELECTRICAL NORMAL POWER RISER DIAGRAM
- E-502 ELECTRICAL EMERGENCY POWER RISER DIAGRAM
- E-503 ELECTRICAL LIGHTING CONTROL ONE LINE DIAGRAM
- E-600 ELECTRICAL PANEL SCHEDULES
- E-601 ELECTRICAL PANEL SCHEDULES
- E-602 ELECTRICAL PANEL SCHEDULES
- E-603 ELECTRICAL PANEL SCHEDULES
- E-604 ELECTRICAL PANEL SCHEDULES
- E-605 ELECTRICAL PANEL SCHEDULES
- E-606 ELECTRICAL PANEL SCHEDULES
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- E-612 ELECTRICAL PANEL SCHEDULES
- E-613 ELECTRICAL PANEL SCHEDULES
- E-700 ELECTRICAL DETAILS
- E-701 LIGHTING CONTROL PANEL SCHEDULES
- FA-001 FIRE ALARM LEGEND
- FA-400 FIRE ALARM BASEMENT PLAN
- FA-401 FIRE ALARM FLOOR 1 PLAN
- FA-402 FIRE ALARM FLOOR 2 PLAN
- FA-403 FIRE ALARM FLOOR 3 PLAN
- FA-404 FIRE ALARM FLOOR 4 PLAN
- FA-405 FIRE ALARM FLOOR 5 PLAN
- FA-406 FIRE ALARM PENTHOUSE PLAN
- FA-407 FIRE ALARM ROOFTOP PLAN
- FA-500 FIRE ALARM RISER
- FA-600 DETAIL SHEET I OF II
- FA-601 DETAIL SHEET II OF II

TELECOMMUNICATIONS

- T001 COMMUNICATIONS LEGEND AND GENERAL NOTES
- T100 COMMUNICATIONS BASEMENT PLAN
- T101 COMMUNICATIONS FIRST FLOOR PLAN
- T102 COMMUNICATIONS SECOND FLOOR PLAN
- T103 COMMUNICATIONS THIRD FLOOR PLAN
- T104 COMMUNICATIONS FOURTH FLOOR PLAN
- T105 COMMUNICATIONS FIFTH FLOOR PLAN
- T106 COMMUNICATIONS PENTHOUSE PLAN
- T107 COMMUNICATIONS ROOFTOP PLAN
- T301 COMMUNICATIONS GROUNDING & FIBER RISER DIAGRAMS
- T302 COMMUNICATIONS COPPER & COAXIAL RISER DIAGRAMS
- T601 COMMUNICATIONS PART PLANS AND ELEVATIONS
- T602 COMMUNICATIONS PART PLANS AND ELEVATIONS
- T603 COMMUNICATIONS PART PLANS AND ELEVATIONS
- T604 COMMUNICATIONS PART PLANS AND ELEVATIONS
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- T609 COMMUNICATIONS RACK ELEVATION
- T610 COMMUNICATIONS PART PLANS AND ELEVATIONS
- T700 COMMUNICATIONS DETAILS
- T701 COMMUNICATIONS DETAILS
- T702 COMMUNICATIONS DETAILS
- T703 COMMUNICATIONS DETAILS
- T704 COMMUNICATIONS DETAILS
- T900 AV GATHERING/DISPLAY SPACE 121
- T901 AV SMART BUILDING DISPLAY 101
- T902 AV MEETING ROOM 114C
- T903 AV MEETING ROOM 104
- T904 AV MEETING ROOM 114A
- T905 AV MEETING ROOMS/BREAKOUT SPACE
- T906 AV WATER LAB 108
- T907 AV VIRTUAL REALITY SPACE 106
- T908 AV CYBERPHYSICS 107
- T909 AV PANTRY / LUNCHROOM 204
- T910 AV CGI COMPUTATIONAL TRAINING 304
- T911 AV CGI LAB TRAINING 309BA

SECURITY

- SEC-00 TITLE SHEET
- SEC-B BASEMENT FLOOR SECURITY PLAN
- SEC-01 FIRST FLOOR SECURITY PLAN
- SEC-02 SECOND FLOOR SECURITY PLAN
- SEC-03 THIRD FLOOR SECURITY PLAN
- SEC-04 FOURTH FLOOR SECURITY PLAN
- SEC-05 FIFTH FLOOR SECURITY PLAN
- SEC-P PENTHOUSE SECURITY PLAN
- SEC-R ROOF SECURITY PLAN
- SEC-RIS SECURITY RISER PLAN
- SEC-DET SECURITY DOOR AND DEVICE DETAIL
- SEC-DET1 SECURITY DOOR HARDWARE SCHEDULE

AUDIOVISUAL

- AV000 AV DRAWING LIST & RESPONSIBILITY SCHEDULE
- AV001 AV GENERAL NOTES & LEGEND
- AV101 FLOOR 1 & 2 OVERALL PLAN AV SCOPE
- AV102 FLOOR 3 & 4 OVERALL PLAN AV SCOPE
- AV103 FLOOR 5 OVERALL PLAN AV SCOPE
- AV200 101 SMART BUILDING DISPLAY
- AV201 110B MEETING ROOM
- AV202 114A MEETING ROOM
- AV203 114C MEETING ROOM
- AV204 121 GATHERING/ DISPLAY PLAN & ELEVATIONS
- AV204.1 121 GATHERING/ DISPLAY SPACE CONDUIT RISER
- AV205 405 & 505 MEETING/ BREAKOUT SPACE ROOM
- AV206 108 WATER LAB PLAN, RCP & ELEVATIONS
- AV206.1 108 WATER LAB CONDUIT RISER & SECTION
- AV208 106 VIRTUAL REALITY LAB PLAN & RCP
- AV208.1 106 VIRTUAL REALITY LAB CONDUIT RISER
- AV209 107 CYBER PHYSICS LAB PLAN & RCP
- AV209.1 107 CYBER PHYSICS LAB CONDUIT RISER
- AV210 205 CONFERENCE ROOM
- AV211 MEETING/PANTRY & CGI COMPUTATIONAL TRAINING ROOM
- AV212 309BA - CGI LAB TRAINING ROOM
- AV213 DIGITAL SIGNAGE PLANS & CONDUIT RISERS
- AVA AV DETAILS
- AVB AV DETAILS
- AVC AV DETAILS



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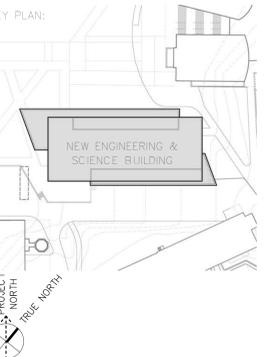
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NO.	DATE	COMMENTS
1	2015-03-20	BID ADDENDUM 01
2	2015-05-08	BID ADDENDUM 0A
3	2015-07-17	BULLETIN 003
4	2015-10-07	BID ADDENDUM 05

APPROVED FOR CONSTRUCTION. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH THE WORK.



PROJECT NO: 992203 DATE: 20 FEBRUARY 2015

PHASE: BID DOCUMENTS SCALE:

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NEW ENGINEERING AND SCIENCE BUILDING

DRAWING TITLE:
DRAWING LIST

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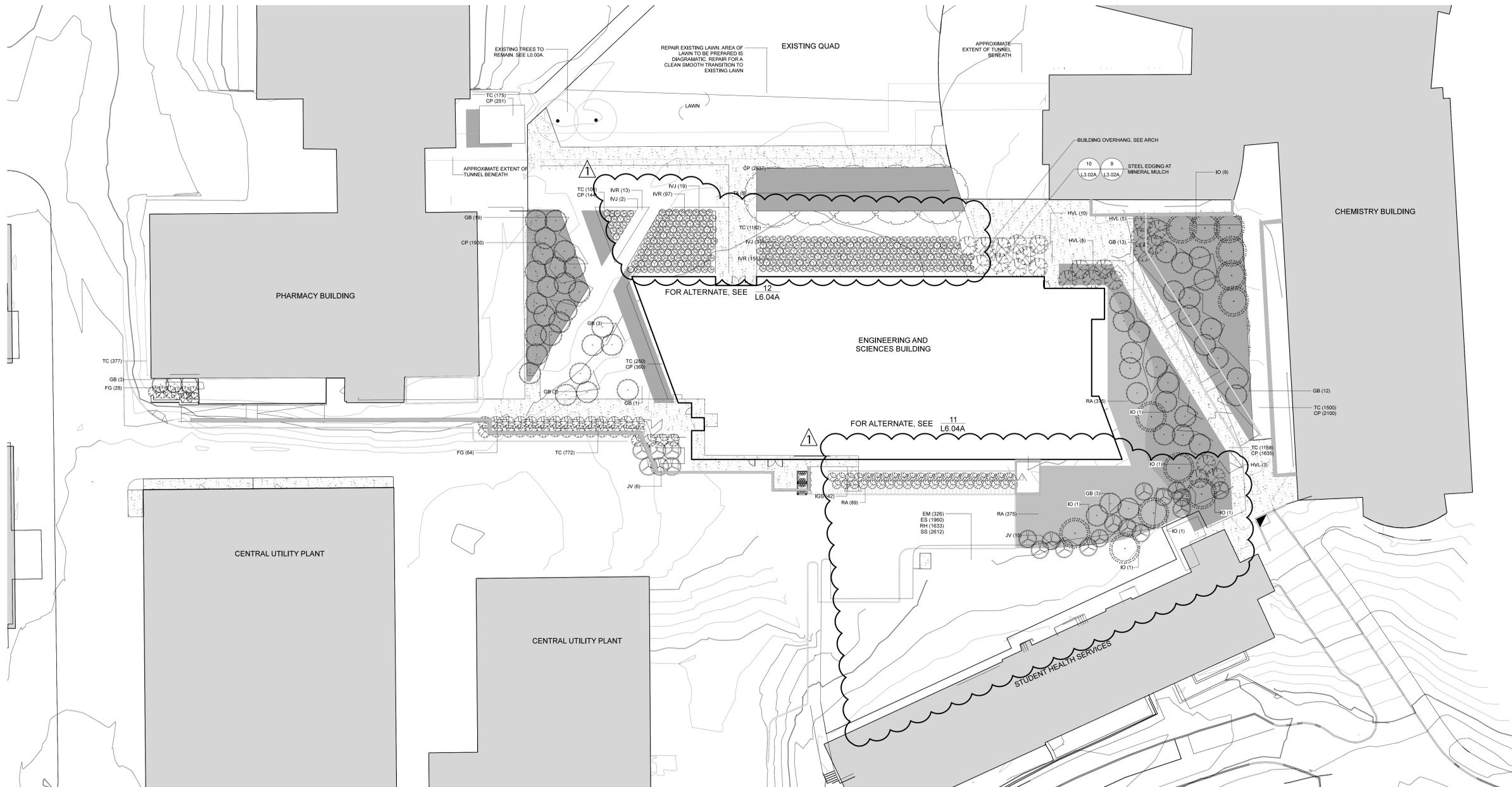
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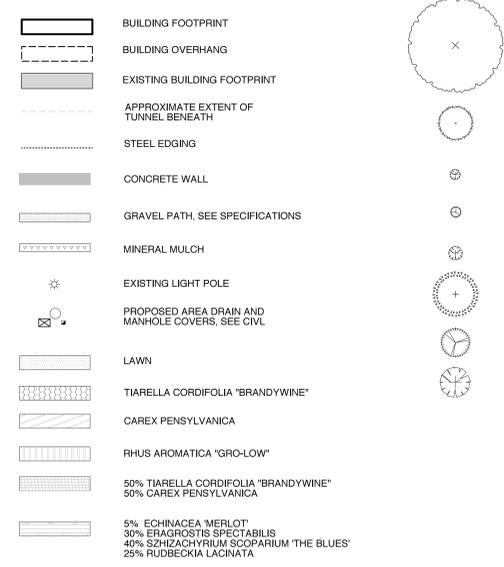
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1 SITE PLANTING PLAN
1" = 20'-0"

LEGEND



	TILLIA AMERICANA
	GINKGO BILOBA "PRINCETON SENTRY"
	ILEX VERTICILLATA "RED SPRITE"
	ILEX VERTICILLATA "JIM DANDY"
	ILEX GLABRA "SHAMROCK"
	ILEX OPACA
	JUNIPERUS VIRGINIANA
	HAMAMELIS VERNALIS "AUTUMN EMBERS"

PLANT LIST

ID	Common Name	Botanical Name	Qty	Scheduled Size	Remarks
Deciduous Trees					
GB	Fastigiate Ginkgo	Ginkgo biloba 'Princeton Sentry'	57	3.5'-4" cal.	B&B, heavy rootball, upright / columnar, strong central leader, specimen quality, approximate 40" diameter by 26" deep rootball
TA	American Basswood	Tilia americana 'Redmond'	5	4.5" - 5" cal.	B&B, heavy rootball, full symmetrical crown, straight central leader, limbed up to 5-6', matching, approximate 50" diameter by 28" deep rootball
Evergreen Trees					
IO	American Holly	Ilex opaca 'Jersey Knight'	3	9' - 10' HT	Single dominant leader, symmetrical, densely branched, full to ground
	American Holly	Ilex opaca 'Jersey Princess'	11	9' - 10' HT	Single dominant leader, symmetrical, densely branched, full to ground
JV	Eastern Red Cedar	Juniperus virginiana	21	8' - 10' HT	Single dominant leader, symmetrical, densely branched, full to ground
Shrubs					
FG	Large Fothergilla	Fothergilla major 'Mt. Airy'	82	#6	Full crown, dense branching structure, dense fibrous root structure, no gridding roots.
IVJ	Jim Dandy Winterberry Holly	Ilex verticillata 'Jim Dandy'	52	3' - 6' HT	B&B, Field grown, dense fibrous root system.
IVG	Helleri Holly	Ilex crenata 'Helleri'	44	3' - 4' HT	B&B, Field grown, dense fibrous root system.
IVR	Red Sprite Winterberry Holly	Ilex verticillata 'Red Sprite'	219	2.5' - 3' HT	B&B, Field grown, dense fibrous root system.
HVL	Autumn Embers Witch Hazel	Hamamelis vernalis 'Autumn Embers'	23	6' - 7' HT	B&B, Field grown, dense fibrous root system.
GROUNDCOVER, PERENNIALS, LAWN					
CP	Pennsylvania Sedge	Carex pensylvanica	8,686	#3	Full crown overflowing from container, no gridding roots. Planted 10" O.C.
EM	Purple Coneflower	Echinacea 'Merlot'	326	#3	Full crown overflowing from container, no gridding roots. Planted 12" O.C.
ES	Purple Lovegrass	Eragrostis spectabilis	1,960	#3	Full crown overflowing from container, no gridding roots. Planted 12" O.C.
RS	Little Bluestem 'The Blues'	Schizachyrium scoparium 'The Blues'	2,612	#3	Full crown overflowing from container, no gridding roots. Planted 12" O.C.
RA	Fragrant Sumac	Rhus aromatica 'Gro-Low'	1,564	#3	Full crown overflowing from container, no gridding roots. Planted 18" O.C.
RL	Cutleaf coneflower	Rudbeckia laciniata	1,633	#3	Full crown overflowing from container, no gridding roots. Planted 12" O.C.
TC	Foam Flower	Tiarella cordifolia 'Brandywine'	5,362	#3	Full crown overflowing from container, no gridding roots. Planted 12" O.C.
LAWN	Sun / Shade Mix	See specifications	as drawn	-	-

PLANTING NOTES

- THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO COMMENCING PLANTING WORK. NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY IF DETRIMENTAL CONDITIONS ARE ENCOUNTERED TO NEW AND EXISTING PLANT MATERIAL.
- ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS. PLANT MATERIAL SHALL BE TYPICAL OF SPECIES AND VARIETY, AND SHALL BE LABELED ACCORDINGLY.
- ALL TREES SHALL BE FRESHLY DUG AND DELIVERED TO THE SITE AS REQUIRED FOR IMMEDIATE PLANTING. IF PLANTING IS DELAYED FOR MORE THAN 6 HOURS AFTER DELIVERY, SET TREES IN SHADE. PROTECT FROM WEATHER AND MECHANICAL DAMAGE. KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP, OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.
- PLANTING GROUPS AS SHOWN ON THE PLAN ARE DIAGRAMMATIC ONLY. ACTUAL MASSING OF PLANT MATERIAL MAY VARY DUE TO EXISTING CONDITIONS. PRIOR TO DIGGING PLANT PITS, PLACE ALL PLANTS, FOR APPROVAL, IN THEIR RELATIVE POSITIONS AS INDICATED ON THE PLAN. MAKE ADJUSTMENTS TO THE LOCATIONS AS REQUESTED BY THE LANDSCAPE ARCHITECT.
- NO PLANTING WORK SHALL BE PERFORMED IF SOIL IS MUDDY OR IN FROZEN CONDITION.
- TEST TREE PIT FOR DRAINAGE BEFORE PLANTING. TREE PIT SHALL BE FREE OF TWO INCHES OF STANDING WATER WITHIN ONE HOUR. DO NOT PLANT TREE IN PIT IF WATER IS STILL EVIDENT, AND NOTIFY SITE ENGINEER OR LANDSCAPE ARCHITECT IF THIS CONDITION IS ENCOUNTERED.
- IF ANY DISCREPANCIES OCCUR BETWEEN THE QUANTITIES CALLED FOR ON THE PLANT LIST AND THOSE INDICATED ON THE PLANS, THE GREATER QUANTITY SHALL GOVERN.
- NO PLANT WILL BE ACCEPTED WHICH DISPLAYS MAJOR IRREGULARITIES OR MECHANICAL DAMAGE. ANY PLANTS DEEMED NOT IN SATISFACTORY HEALTH OR CONDITION AT THE TIME OF PLANTING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- INSTALL ALL PLANTS ACCORDING TO THE PLANTING DETAIL, SPECIFICATIONS, AND NOTES. REMOVE ALL BURLAP, WIRE, CORDS, TIES AND OTHER WRAPPING MATERIALS FROM THE ROOT BALLS. PROVIDE NEW TOPSOIL AS NECESSARY TO COMPLETE THE PLANTING WORK AND AMEND AS INDICATED. PLANT ALL PLANTS SO THAT THE TOP OF THE ROOT BALL IS SLIGHTLY ABOVE THE SURROUNDING SOIL LEVEL. MULCH ALL PLANT BEDS AND TREE SAUCERS WITH 2" OF SHREDDED BARK.
- REMOVE ALL BURLAP, WIRE, CORDS, TIES AND OTHER WRAPPING MATERIALS FROM THE ROOT BALLS AND DISPOSE OF APPROPRIATELY.
- ALL TREE PLANTING TO BE COORDINATED WITH AS-BUILT UTILITIES. TREES TO BE LOCATED A MINIMUM OF 5' FROM ACTIVE LINES.
- BALL AND BURLAP PLANTS TO BE TRANSPLANTED. TAG & STORE OFF SITE. PREVENT ROOTBALLS FROM DRYING OUT BY KEEPING WELL WATERED.
- THOROUGHLY WATER PLANTS AFTER PLANTING.
- PROVIDE ONE GROWING SEASON PLANT REPLACEMENT GUARANTEE FOR NEW PLANTS.
- IN THE EVENT THE LANDSCAPE ARCHITECT IS NOT AVAILABLE TO TAG THE SELECTED PLANT MATERIAL AT NURSERY, THE CONTRACTOR IS TO SUPPLY PLANT PHOTOGRAPHS AS STATED IN SPECIFICATION.
- ALL PLANTS MUST BE LABELED WHEN THEY ARE DELIVERED TO THE SITE.
- NO SUBSTITUTIONS ARE TO BE MADE WITHOUT WRITTEN OR VERBAL CONSENT OF THE LANDSCAPE ARCHITECT.
- THE LANDSCAPE ARCHITECT SHALL DIRECT THE FINAL LOCATION AND ORIENTATION OF SPECIMEN TREES AND SHRUBS.
- CONTRACTOR IS TO ASSUME WORST CASE SOIL COMPACTION FOR PLANTING BEDS LOCATED WITHIN LIMIT OF WORK LINE.
- PLANTING IS TO BE PLANTED CLEAR ANY SUB-SURFACE DRAINAGE INFRASTRUCTURE. SEE CIVIL DWGS.
- REFER TO SPECIFICATION 'ADDITIONAL TREES' FOR ADDITIONAL PLANT MATERIAL TO BE PROVIDED IN THIS CONTRACT.

ISSUE/REVISION	NO.	DATE	COMMENTS
	1	15-10-07	ADDENDUM NO. 9

NO.	DATE	COMMENTS

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KEY PLAN



NEW ENGINEERING AND SCIENCE BUILDING

SITE PLANTING PLAN

PROJECT NO: 092203	DATE: 20 FEBRUARY 2014
PHASE: BID DOCUMENTS	SCALE: AS NOTED

L5.00A



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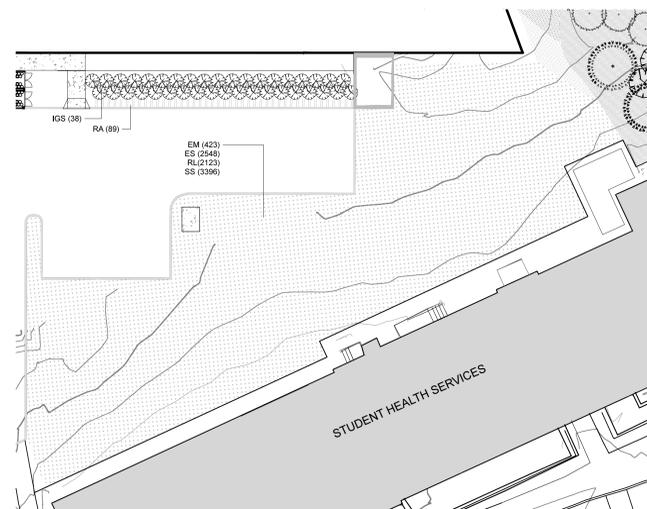
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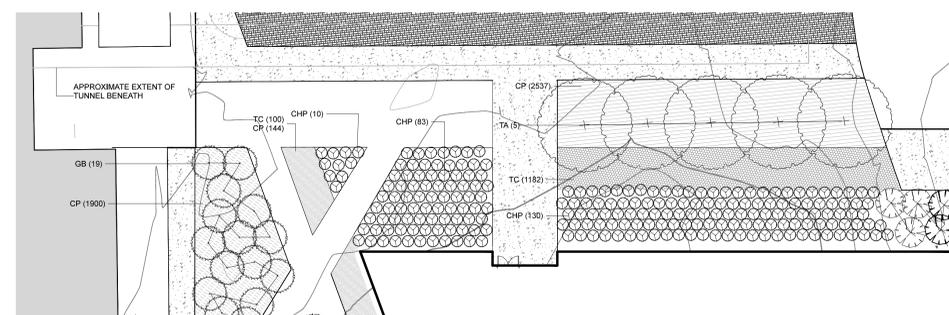
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11 ALTERNATE - SOUTHEAST MEADOW
1" = 20'-0"



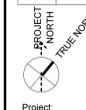
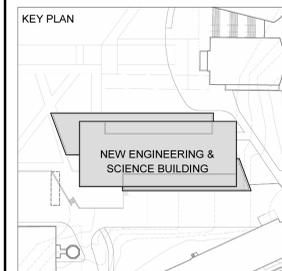
12 ALTERNATE - NORTHWEST JAPANESE SPREADING PLUM YEWs
1" = 20'-0"

ISSUE/REVISION:

NO.	DATE	COMMENTS
1	15-10-07	ADDENDUM NO. 9

NO. DATE COMMENTS

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NEW ENGINEERING AND SCIENCE BUILDING

Drawing Title:
PLANTING ALTERNATES

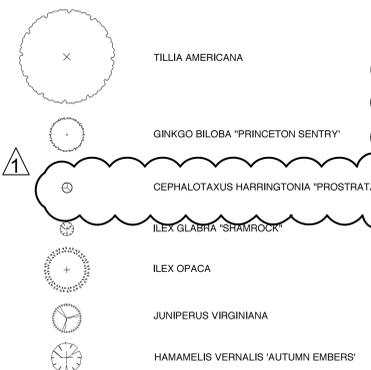
PROJECT NO: 092203 DATE: 20 FEBRUARY 2014

PHASE: BID DOCUMENTS SCALE: AS NOTED

L6.04A

LEGEND

- BUILDING FOOTPRINT
- BUILDING OVERHANG
- EXISTING BUILDING FOOTPRINT
- APPROXIMATE EXTENT OF TUNNEL BENEATH
- STEEL EDGING
- CONCRETE WALL
- GRAVEL PATH, SEE SPECIFICATIONS
- MINERAL MULCH
- EXISTING LIGHT POLE
- PROPOSED AREA DRAIN AND MANHOLE COVERS, SEE CIVIL
- LAWN
- TIARELLA CORDIFOLIA "BRANDYWINE"
- CAREX PENNSYLVANICA
- RHUS AROMATICA "GRO-LOW"
- 50% TIARELLA CORDIFOLIA "BRANDYWINE"
50% CAREX PENNSYLVANICA
- 5% ECHINACEA MERLOT
30% ERAGROSTIS SPECTABILIS
40% SCHIZACHYRIUM SCOPARIUM "THE BLUES"
25% RUDBECKIA LACINATA



Code	Common Name	Botanical Name	Qty	Specified Size	Comments
Deciduous Trees					
GB	Fastigate Ginkgo	<i>Ginkgo biloba</i> 'Princeton Sentry'	54	3.5-4" cal.	B&B, heavy rootball, upright / columnar, strong central leader, specimen quality, approximate 40" diameter by 26" deep rootball
TA	American Basswood	<i>Tilia americana</i> 'Redmond'	5	4.5" - 5" cal.	B&B, heavy rootball, full symmetrical crown, straight central leader, limbbed up to 5'-6", matching, approximate 50" diameter by 28" deep rootball
Evergreen Trees					
HO	American Holly	<i>Ilex opaca</i> 'Jersey Knight'	3	9' - 10' HT	Single dominant leader, symmetrical, densely branched, full to ground
HO	American Holly	<i>Ilex opaca</i> 'Jersey Princess'	8	9' - 10' HT	Single dominant leader, symmetrical, densely branched, full to ground
JV	Eastern Red Cedar	<i>Juniperus virginiana</i>	6	8' - 10' HT	Single dominant leader, symmetrical, densely branched, full to ground
Shrubs					
EG	Large Fothergilla	<i>Fothergilla major</i> 'Mt. Airy'	92	#6	Full crown, dense branching structure, dense fibrous root structure, no girdling roots.
WJ	Jim Dandy Winterberry Holly	<i>Ilex verticillata</i> 'Jim Dandy'	52	3'-6" HT	B&B; Field grown, dense fibrous root system.
IGS	Shamrock Inkberry Holly	<i>Ilex glabra</i> 'Shamrock'	38	3' - 4' HT	B&B; Field grown, dense fibrous root system.
WR	Red Sprite Winterberry Holly	<i>Ilex verticillata</i> 'Red Sprite'	219	2.5' - 3' HT	B&B; Field grown, dense fibrous root system.
HVL	Autumn Embers Witch Hazel	<i>Hamamelis vernalis</i> 'Autumn Embers'	23	6' - 7' HT	B&B; Field grown, dense fibrous root system.
CHP	Spreading Japanese Plum Yew	<i>Cephalotaxus harringtonia</i> 'Prostrata'	223	2.5' - 3' HT	B&B; Field grown, dense fibrous root system. Planted 42" O.C.
GROUNDCOVER, PERENNIALS, LAWN					
CP	Pennsylvania Sedge	<i>Carex pensylvanica</i>	8,686	#3	Full crown overflowing from container, no girdling roots. Planted 10" O.C.
EM	Purple Coneflower	<i>Echinacea</i> 'Merlot'	423	Plugs	Planted 12" O.C.
ES	Purple Lovegrass	<i>Eragrostis spectabilis</i>	2,548	Plugs	Planted 12" O.C.
SS	Little Bluestem 'The Blues'	<i>Schizachyrium scoparium</i> 'The Blues'	3,396	Plugs	Planted 12" O.C.
RA	Fragrant Sumac	<i>Rhus aromatica</i> 'Gro-Low'	464	#3	Full crown overflowing from container, no girdling roots. Planted 18" O.C.
RL	Cutleaf coneflower	<i>Rudbeckia laciniata</i>	2,123	Plugs	Planted 12" O.C.
FL	Plant F Lower	<i>Hamamelis vernalis</i> 'Autumn Embers'	2,548	#3	Full crown overflowing from container, no girdling roots. Planted 18" O.C.
LAWN	Sun / Shade Mix	See specifications	as drawn	-	-