Campus Green
Landscape Improvements

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LANDSCAPE ARCHITECT:
LAND DESIGN SOLUTIONS
P.O. Box 316
160 Longwoods Road
Cumberland, Maine 04021
(207) 939-1717

Issued For Client Review & Pricing May 23, 2014

REV.	DATE	STATUS	BY	CHKD.	APPD.	REV.	DATE	STATUS	BY	CHKD.	APPD.
A	5/23/14	ISSUED FOR CLIENT REVIEW	DEPT.	PBB	PBB						

LAND DESIGN SOLUTIONS
LAND PLANNING, SITE PLANNING & LANDSCAPE ARCHITECTURE
P.O. Box 316, 160 Longwoods Road, Cumberland, ME 04081 tel.(207) 939-1717

CLIENT & OWNER:
UNIVERSITY OF NEW ENGLAND
11 HILLS BEACH ROAD, BIDDEFORD, ME 04005

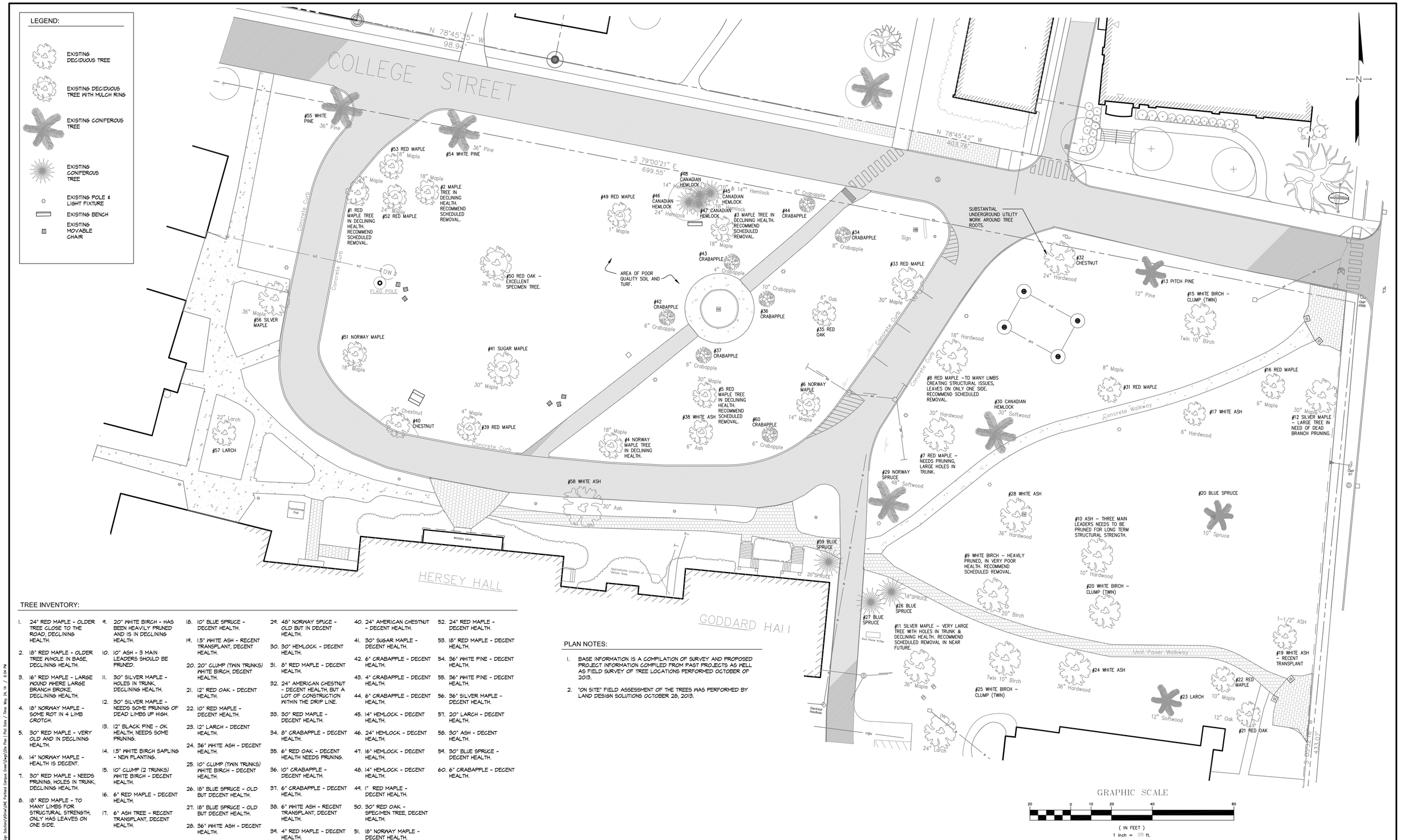
DESIGN: PBB
DRAWN: DEPT.
CHKD: PBB
DATE: SEPT. 2013
SCALE: AS NOTED

CAMPUS GREEN LANDSCAPE
STEVENS AVENUE, PORTLAND, MAINE

COVER SHEET

PROJ. NO.
DWG. NO. –
REV. A

Drawing Name: C:\Users\PETER\Land Design Solutions\Land Design Solutions\DDrive\UNE Portland Campus Green\Dwgs\Cover | Plot Date / Time: May 23, 14 / 5:54 PM



TREE INVENTORY:

1. 24" RED MAPLE - OLDER TREE CLOSE TO THE ROAD, DECLINING HEALTH.
2. 18" RED MAPLE - OLDER TREE W/HOLE IN BASE, DECLINING HEALTH.
3. 16" RED MAPLE - LARGE WOUND WHERE LARGE BRANCH BROKE, DECLINING HEALTH.
4. 18" NORWAY MAPLE - SOME ROT IN 4 LIMB CROTCH.
5. 30" RED MAPLE - VERY OLD AND IN DECLINING HEALTH.
6. 14" NORWAY MAPLE - HEALTH IS DECENT.
7. 30" RED MAPLE - NEEDS PRUNING, HOLES IN TRUNK, DECLINING HEALTH.
8. 18" RED MAPLE - TO MANY LIMBS FOR STRUCTURAL STRENGTH, ONLY HAS LEAVES ON ONE SIDE.
9. 20" WHITE BIRCH - HAS BEEN HEAVILY PRUNED AND IS IN DECLINING HEALTH.
10. 10" ASH - 3 MAIN LEADERS SHOULD BE PRUNED.
11. 30" SILVER MAPLE - HOLES IN TRUNK, DECLINING HEALTH.
12. 30" SILVER MAPLE - NEEDS SOME PRUNING OF DEAD LIMBS UP HIGH.
13. 12" BLACK PINE - OK HEALTH, NEEDS SOME PRUNING.
14. 1.5" WHITE BIRCH SAPLING - NEW PLANTING.
15. 10" CLUMP (2 TRUNKS) WHITE BIRCH - DECENT HEALTH.
16. 6" RED MAPLE - DECENT HEALTH.
17. 6" ASH TREE - RECENT TRANSPLANT, DECENT HEALTH.
18. 10" BLUE SPRUCE - DECENT HEALTH.
19. 1.5" WHITE ASH - RECENT TRANSPLANT, DECENT HEALTH.
20. 20" CLUMP (TWIN TRUNKS) WHITE BIRCH, DECENT HEALTH.
21. 12" RED OAK - DECENT HEALTH.
22. 10" RED MAPLE - DECENT HEALTH.
23. 12" LARCH - DECENT HEALTH.
24. 36" WHITE ASH - DECENT HEALTH.
25. 10" CLUMP (TWIN TRUNKS) WHITE BIRCH - DECENT HEALTH.
26. 18" BLUE SPRUCE - OLD BUT DECENT HEALTH.
27. 18" BLUE SPRUCE - OLD BUT DECENT HEALTH.
28. 36" WHITE ASH - DECENT HEALTH.
29. 48" NORWAY SPUCE - OLD BUT IN DECENT HEALTH.
30. 30" HEMLOCK - DECENT HEALTH.
31. 8" RED MAPLE - DECENT HEALTH.
32. 24" AMERICAN CHESTNUT - DECENT HEALTH, BUT A LOT OF CONSTRUCTION WITHIN THE DRIP LINE.
33. 30" RED MAPLE - DECENT HEALTH.
34. 8" CRABAPPLE - DECENT HEALTH.
35. 6" RED OAK - DECENT HEALTH NEEDS PRUNING.
36. 10" CRABAPPLE - DECENT HEALTH.
37. 6" CRABAPPLE - DECENT HEALTH.
38. 6" WHITE ASH - RECENT TRANSPLANT, DECENT HEALTH.
39. 4" RED MAPLE - DECENT HEALTH.
40. 24" AMERICAN CHESTNUT - DECENT HEALTH.
41. 30" SUGAR MAPLE - DECENT HEALTH.
42. 6" CRABAPPLE - DECENT HEALTH.
43. 4" CRABAPPLE - DECENT HEALTH.
44. 6" CRABAPPLE - DECENT HEALTH.
45. 14" HEMLOCK - DECENT HEALTH.
46. 24" HEMLOCK - DECENT HEALTH.
47. 16" HEMLOCK - DECENT HEALTH.
48. 14" HEMLOCK - DECENT HEALTH.
49. 1" RED MAPLE - DECENT HEALTH.
50. 30" RED OAK - SPECIMEN TREE, DECENT HEALTH.
51. 18" NORWAY MAPLE - DECENT HEALTH.
52. 24" RED MAPLE - DECENT HEALTH.
53. 18" RED MAPLE - DECENT HEALTH.
54. 36" WHITE PINE - DECENT HEALTH.
55. 36" WHITE PINE - DECENT HEALTH.
56. 36" SILVER MAPLE - DECENT HEALTH.
57. 20" LARCH - DECENT HEALTH.
58. 30" ASH - DECENT HEALTH.
59. 30" BLUE SPRUCE - DECENT HEALTH.
60. 6" CRABAPPLE - DECENT HEALTH.

PLAN NOTES:

1. BASE INFORMATION IS A COMPILATION OF SURVEY AND PROPOSED PROJECT INFORMATION COMPILED FROM PAST PROJECTS AS WELL AS FIELD SURVEY OF TREE LOCATIONS PERFORMED OCTOBER OF 2013.
2. "ON SITE" FIELD ASSESSMENT OF THE TREES WAS PERFORMED BY LAND DESIGN SOLUTIONS OCTOBER 28, 2013.

REV.	DATE	STATUS	BY	CHKD.	APPD.
A	5/23/14	ISSUED TO OWNER FOR REVIEW	DEPT.	PBB	PBB

LICENSED LANDSCAPE ARCHITECT PETER B. BIEGEL No. 2624 STATE OF MAINE 5/23/14

LAND DESIGN SOLUTIONS
LAND PLANNING, SITE PLANNING & LANDSCAPE ARCHITECTURE
P.O. Box 316, 160 Longwoods Road, Cumberland, ME 04081 tel.(207) 494-1717

CLIENT & OWNER:
UNIVERSITY OF NEW ENGLAND
11 HILLS BEACH ROAD, BIDDEFORD, ME 04005

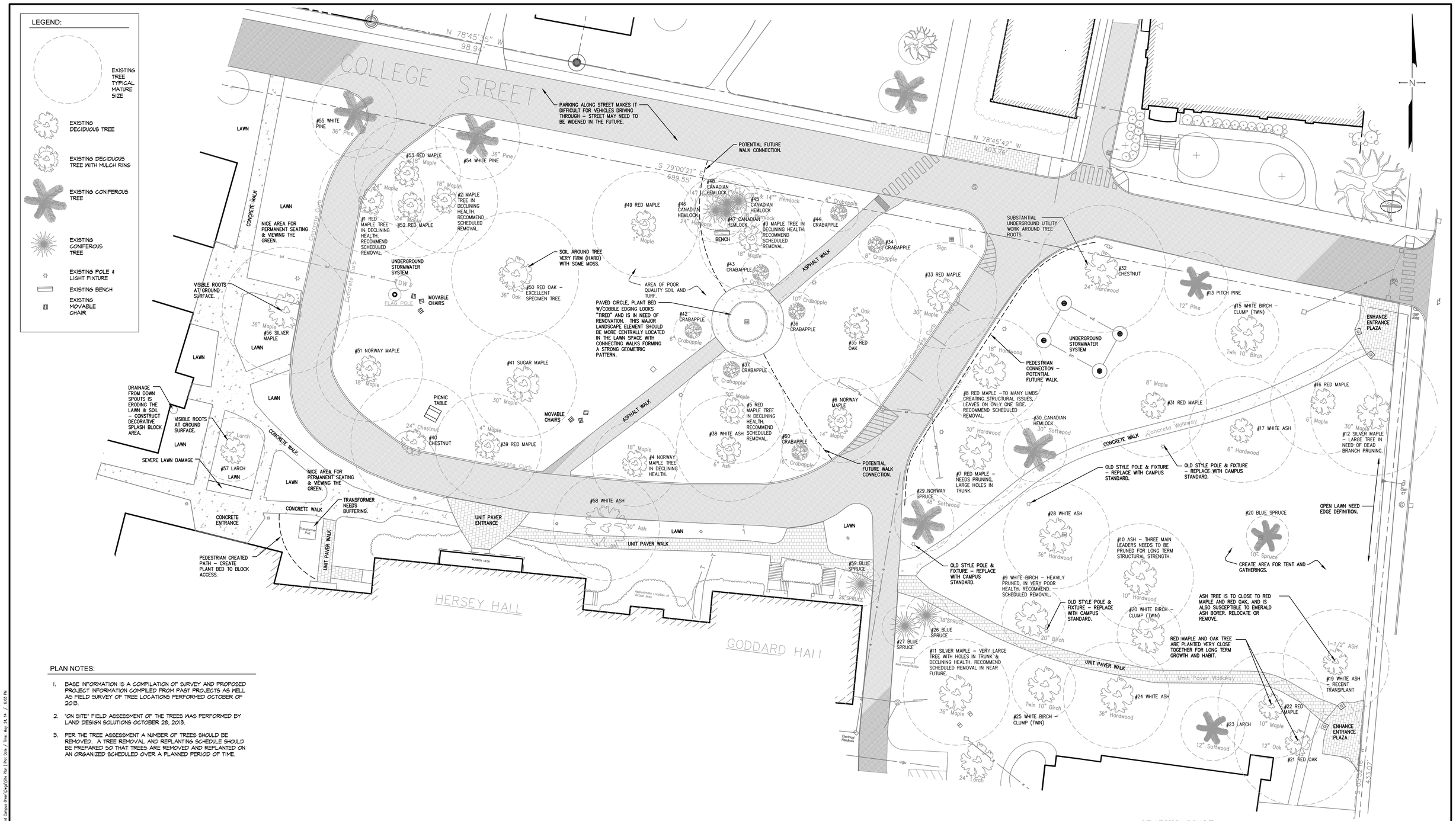
DESIGN: PBB
DRAWN: DEPT.
CHKD: PBB
DATE: SEPT. 2013
SCALE: 1"=20'

CAMPUS GREEN LANDSCAPE
UNE CAMPUS, PORTLAND, MAINE

TREE INVENTORY PLAN

PROJ. NO.
DWG. NO. L1.1
REV. A

Drawing Name: C:\Users\PETER\Land Design Solutions\Land Design Solutions\Drawings\UNE Portland Campus Green\Dwgs\Site Plan | Plot Date / Time: May 24, 14 / 6:04 PM



PLAN NOTES:

1. BASE INFORMATION IS A COMPILATION OF SURVEY AND PROPOSED PROJECT INFORMATION COMPILED FROM PAST PROJECTS AS WELL AS FIELD SURVEY OF TREE LOCATIONS PERFORMED OCTOBER OF 2013.
2. "ON SITE" FIELD ASSESSMENT OF THE TREES WAS PERFORMED BY LAND DESIGN SOLUTIONS OCTOBER 28, 2013.
3. PER THE TREE ASSESSMENT A NUMBER OF TREES SHOULD BE REMOVED. A TREE REMOVAL AND REPLANTING SCHEDULE SHOULD BE PREPARED SO THAT TREES ARE REMOVED AND REPLANTED ON AN ORGANIZED SCHEDULED OVER A PLANNED PERIOD OF TIME.

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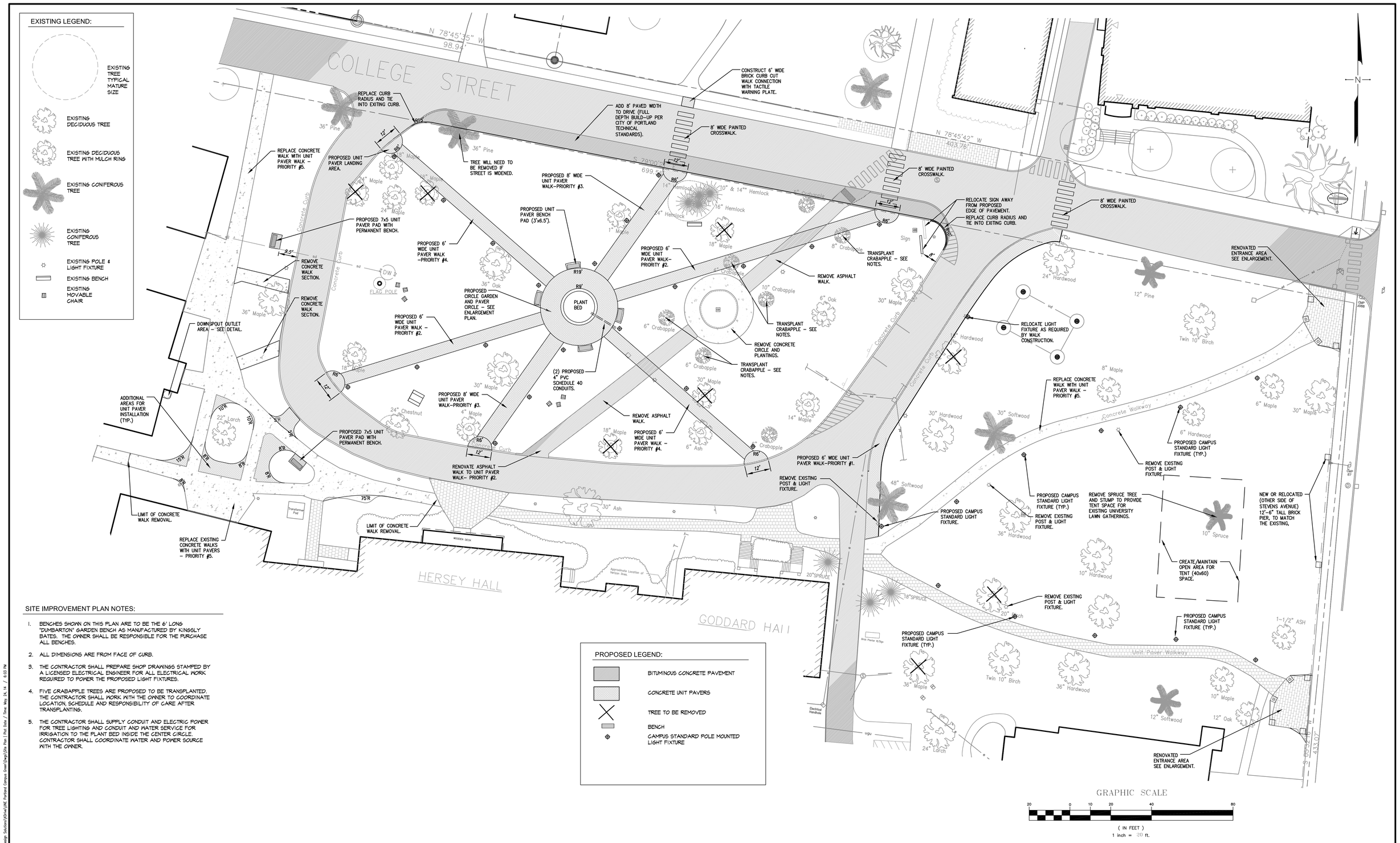
SCALE: 1"=20'

CAMPUS GREEN LANDSCAPE
UNE CAMPUS, PORTLAND, MAINE

EXISTING CONDITIONS AND ANALYSIS PLAN

PROJ. NO.
DWG. NO. L–1.2
REV. A

Drawing Name: C:\Users\PETER\Land Design Solutions\Land Design Solutions\Drawings\Site Plan | Plot Date / Time: May 14, 14 / 6:03 PM



SITE IMPROVEMENT PLAN NOTES:

1. BENCHES SHOWN ON THIS PLAN ARE TO BE THE 6' LONG "DUMBARTON" GARDEN BENCH AS MANUFACTURED BY KINGSLY BATES. THE OWNER SHALL BE RESPONSIBLE FOR THE PURCHASE ALL BENCHES.
2. ALL DIMENSIONS ARE FROM FACE OF CURB.
3. THE CONTRACTOR SHALL PREPARE SHOP DRAWINGS STAMPED BY A LICENSED ELECTRICAL ENGINEER FOR ALL ELECTRICAL WORK REQUIRED TO POWER THE PROPOSED LIGHT FIXTURES.
4. FIVE CRABAPPLE TREES ARE PROPOSED TO BE TRANSPLANTED. THE CONTRACTOR SHALL WORK WITH THE OWNER TO COORDINATE LOCATION, SCHEDULE AND RESPONSIBILITY OF CARE AFTER TRANSPLANTING.
5. THE CONTRACTOR SHALL SUPPLY CONDUIT AND ELECTRIC POWER FOR TREE LIGHTING AND CONDUIT AND WATER SERVICE FOR IRRIGATION TO THE PLANT BED INSIDE THE CENTER CIRCLE. CONTRACTOR SHALL COORDINATE WATER AND POWER SOURCE WITH THE OWNER.

REV.	DATE	STATUS	BY	CHKD.	APPD.	REV.	DATE	STATUS	BY	CHKD.	APPD.
A	5/19/14	ISSUED TO OWNER FOR REVIEW	DEPT.	PBB	PBB						

LICENSED LANDSCAPE ARCHITECT PETER B. BIEGEL No. 2624 STATE OF MAINE 5/22/14

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CLIENT & OWNER:
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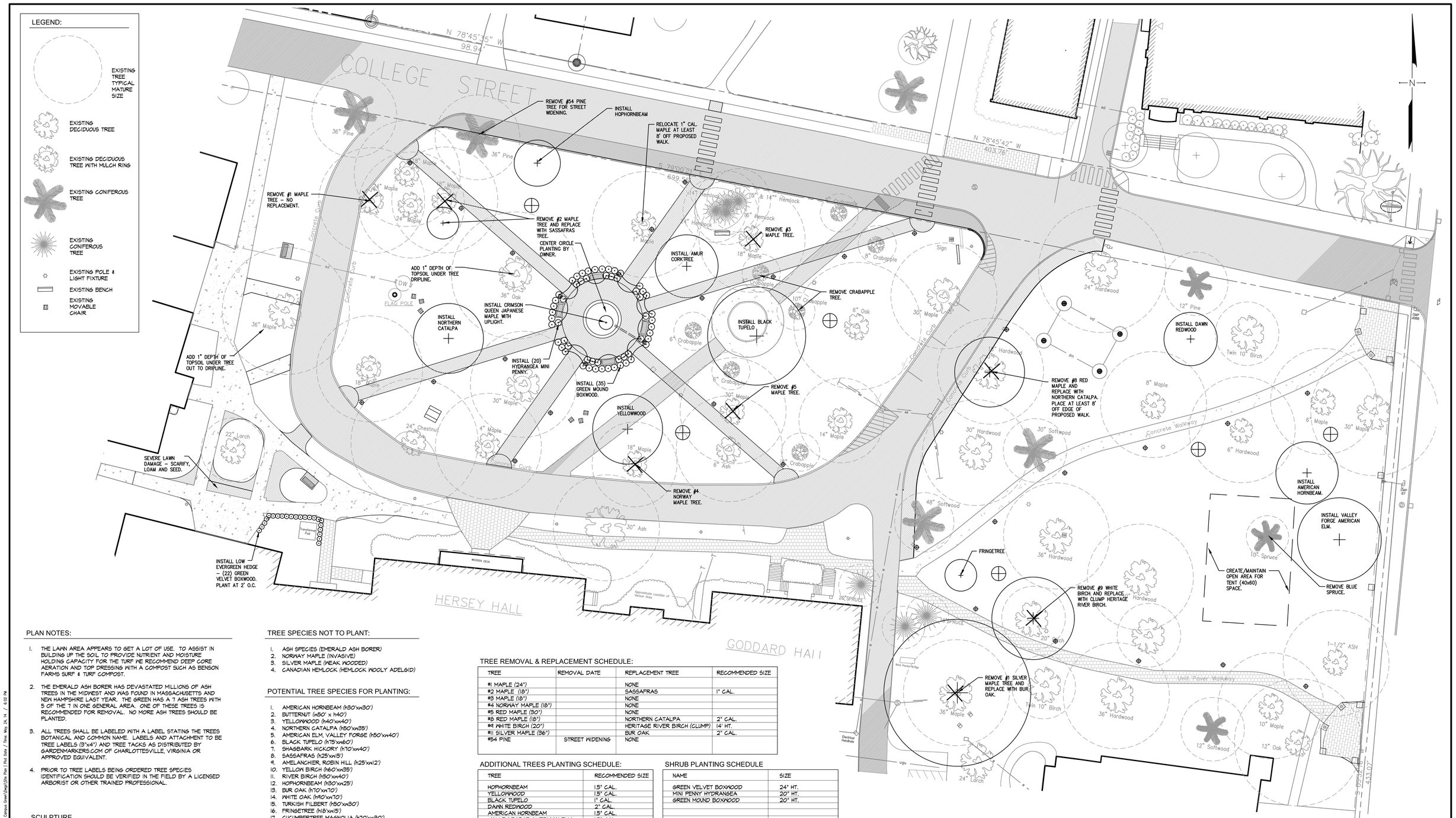
DATE: SEPT. 2013
SCALE: 1"=20'

CAMPUS GREEN LANDSCAPE
UNE CAMPUS, PORTLAND, MAINE

SITE IMPROVEMENTS PLAN

PROJ. NO.
DWG. NO. L-1.3
REV. A

Drawing Name: C:\Users\PETER\Land Design Solutions\Land Design Solutions\Drawings\UNE Portland Campus Green\Layout\Site Plan | Plot Date / Time: May 24, 14 / 6:03 PM



PLAN NOTES:

1. THE LAWN AREA APPEARS TO GET A LOT OF USE. TO ASSIST IN BUILDING UP THE SOIL TO PROVIDE NUTRIENT AND MOISTURE HOLDING CAPACITY FOR THE TURF WE RECOMMEND DEEP CORE AERATION AND TOP DRESSING WITH A COMPOST SUCH AS BENSON FARMS SURF & TURF COMPOST.
2. THE EMERALD ASH BORER HAS DEVASTATED MILLIONS OF ASH TREES IN THE MIDWEST AND WAS FOUND IN MASSACHUSETTS AND NEW HAMPSHIRE LAST YEAR. THE GREEN HAS A 7 ASH TREES WITH 5 OF THE 7 IN ONE GENERAL AREA. ONE OF THESE TREES IS RECOMMENDED FOR REMOVAL. NO MORE ASH TREES SHOULD BE PLANTED.
3. ALL TREES SHALL BE LABELED WITH A LABEL STATING THE TREES BOTANICAL AND COMMON NAME. LABELS AND ATTACHMENT TO BE TREE LABELS (3"x4") AND TREE TACKS AS DISTRIBUTED BY GARDENMARKERS.COM OF CHARLOTTESVILLE, VIRGINIA OR APPROVED EQUIVALENT.
4. PRIOR TO TREE LABELS BEING ORDERED TREE SPECIES IDENTIFICATION SHOULD BE VERIFIED IN THE FIELD BY A LICENSED ARBORIST OR OTHER TRAINED PROFESSIONAL.

SCULPTURE

THERE ARE MANY LAWN AREAS WHICH WOULD BE CONDUCIVE TO THE PLACEMENT OF A SCULPTURE TO PROVIDE INTEREST TO THOSE PASSING THROUGH THE GREEN.

TREE SPECIES NOT TO PLANT:

1. ASH SPECIES (EMERALD ASH BORER)
2. NORWAY MAPLE (INVASIVE)
3. SILVER MAPLE (WEAK WOODED)
4. CANADIAN HEMLOCK (HEMLOCK WOOLY ADELGID)

POTENTIAL TREE SPECIES FOR PLANTING:

1. AMERICAN HORNBEAM (h30'xw30')
2. BUTTERNUT (w50' x h40')
3. YELLOWWOOD (h40'xw40')
4. NORTHERN CATALPA (h50'xw35')
5. AMERICAN ELM, VALLEY FORGE (h50'xw40')
6. BLACK TUPELO (h75'xw60')
7. SHAGBARK HICKORY (h70'xw40')
8. SASSAFRAS (h25'xw15')
9. AMELANCHIER, ROBIN HILL (h25'xw12')
10. YELLOW BIRCH (h60'xw35')
11. RIVER BIRCH (h50'xw40')
12. HOPHORNBEAM (h30'xw25')
13. BUR OAK (h70'xw70')
14. WHITE OAK (h90'xw70')
15. TURKISH FILBERT (h50'xw30')
16. FRINGETREE (h18'xw15')
17. CUCUMBERTREE MAGNOLIA (h70'xw30')
18. DAWN REDWOOD (h60'xw25')
19. AMUR CORKTREE, MACHO (h35'xw30')
20. GINGKO BILOBA, SARATOGA (h65'xw40')

TREE REMOVAL & REPLACEMENT SCHEDULE:

TREE	REMOVAL DATE	REPLACEMENT TREE	RECOMMENDED SIZE
#1 MAPLE (24")		NONE	
#2 MAPLE (18")		SASSAFRAS	1" CAL.
#3 MAPLE (18")		NONE	
#4 NORWAY MAPLE (18")		NONE	
#5 RED MAPLE (30")		NONE	
#8 RED MAPLE (18")		NORTHERN CATALPA	2" CAL.
#9 WHITE BIRCH (20")		HERITAGE RIVER BIRCH (CLUMP)	14' HT.
#11 SILVER MAPLE (36")		BUR OAK	2" CAL.
#54 PINE	STREET WIDENING	NONE	

ADDITIONAL TREES PLANTING SCHEDULE:

TREE	RECOMMENDED SIZE
HOPHORNBEAM	1.5" CAL.
YELLOWWOOD	1.5" CAL.
BLACK TUPELO	1" CAL.
DAWN REDWOOD	2" CAL.
AMERICAN HORNBEAM	1.5" CAL.
VALLEY FORGE AMERICAN ELM	1.5" CAL.
FRINGETREE	1" CAL.
MACHO AMUR CORKTREE	1.5" CAL.
** CRIMSON QUEEN JAPANESE MAPLE	20 GAL.

** THIS TREE IS TO BE A SPECIMEN AND MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASING.

SHRUB PLANTING SCHEDULE

NAME	SIZE
GREEN VELVET BOXWOOD	24" HT.
MINI PENNY HYDRANGEA	20" HT.
GREEN MOUND BOXWOOD	20" HT.

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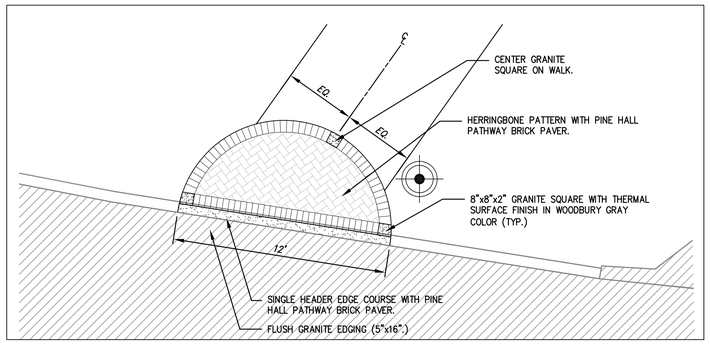
DATE: SEPT. 2013
SCALE: 1"=20'

CAMPUS GREEN LANDSCAPE
UNE CAMPUS, PORTLAND, MAINE

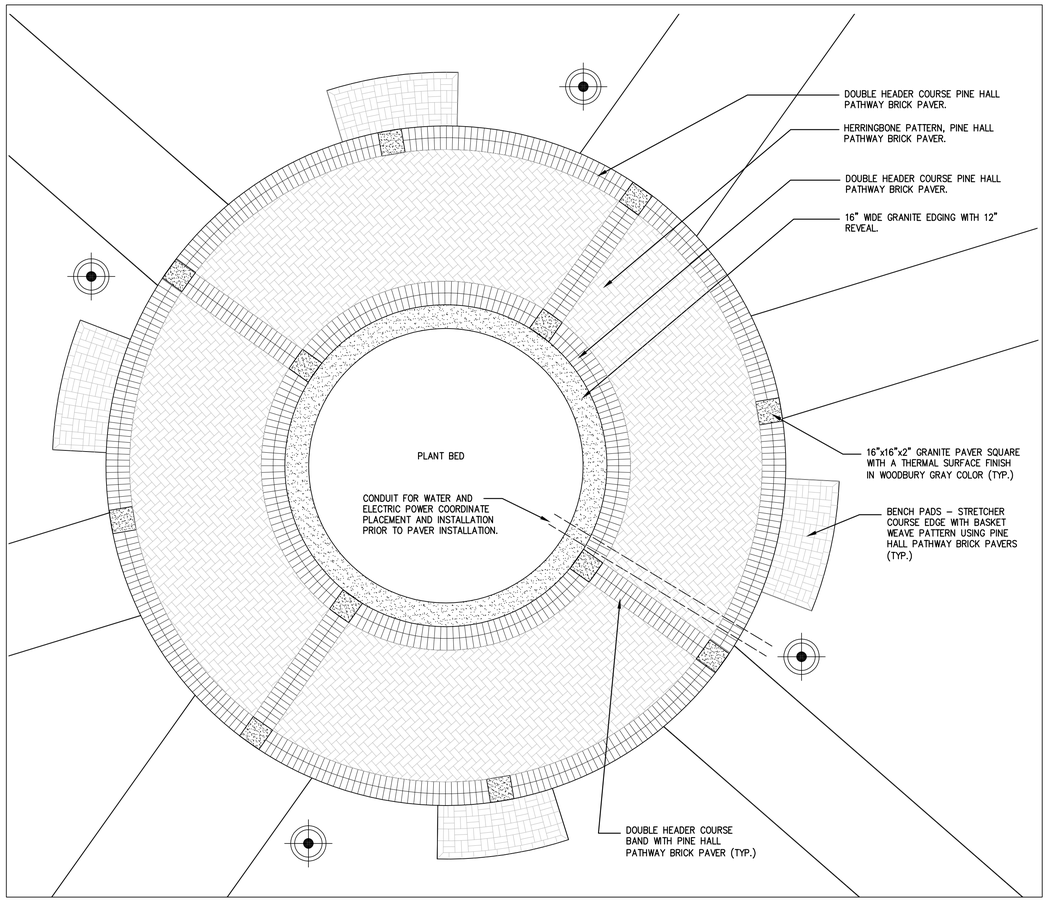
PLANTING PLAN

PROJ. NO.
DWG. NO. L-1.4
REV. A

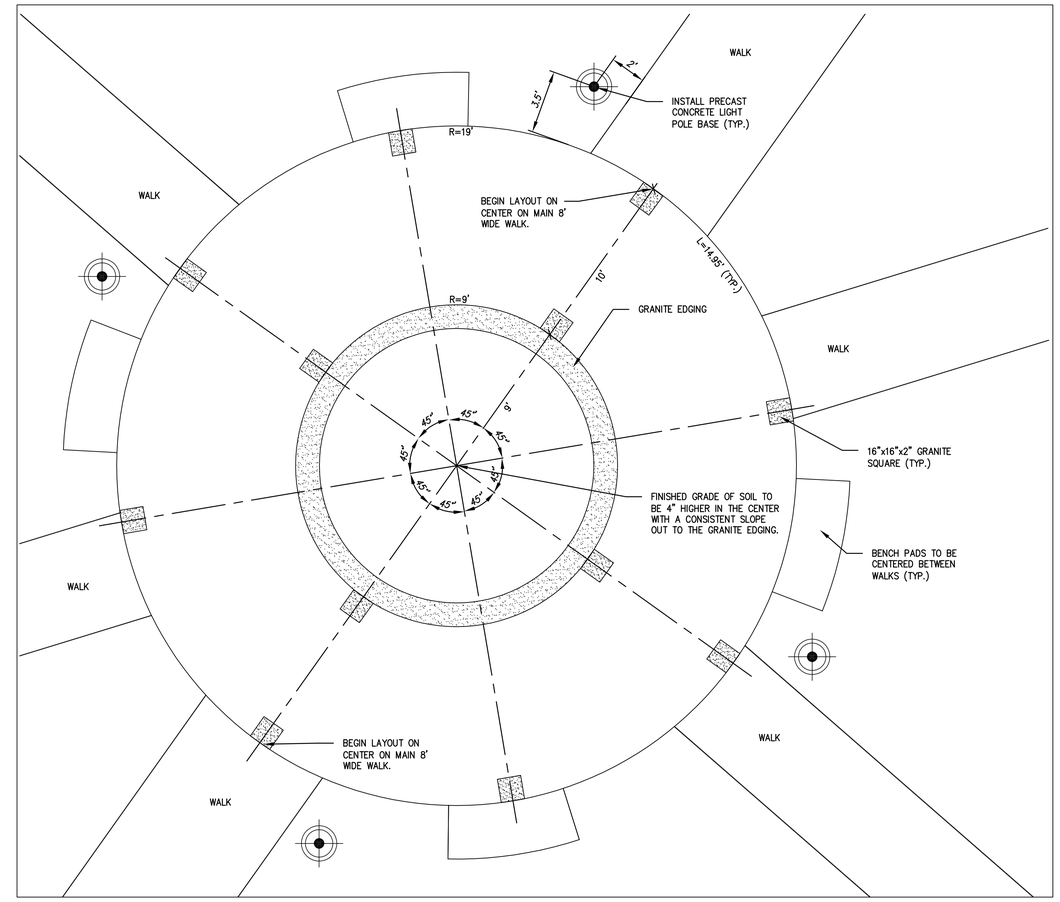
Drawing Name: C:\Users\PETER\Land Design Solutions\Work\UNE Portland Campus Green\Dwgs\Site Plan | Plot Date / Time: May 24, 14 / 6:02 PM



TYPICAL WALKWAY LANDING AREA PAVING PATTERN



CIRCLE PAVING PATTERN ENLARGEMENT



CIRCLE LAYOUT ENLARGEMENT

GRAPHIC SCALE

4 0 2 4 8 16

(IN FEET)
1 inch = 4 ft.

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LICENSED LANDSCAPE ARCHITECT
PETER B. BIEGEL
No. 2624
STATE OF MAINE
5/23/14

LAND DESIGN SOLUTIONS
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CLIENT & OWNER:
UNIVERSITY OF NEW ENGLAND
11 HILLS BEACH ROAD, BIDDEFORD, ME 04005

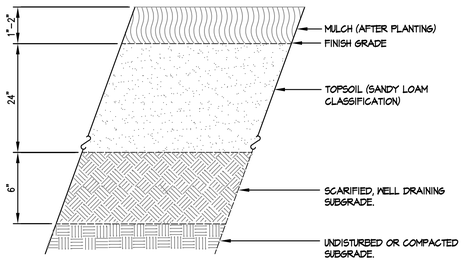
DESIGN: PBB
DRAWN: DEPT.
CHKD: PBB
DATE: SEPT. 2013
SCALE: 1/4"=1'

CAMPUS GREEN LANDSCAPE
UNE CAMPUS, STEVENS AVENUE, PORTLAND, MAINE

CIRCLE AND WALKWAY LANDING AREA ENLARGEMENTS PLAN

PROJ. NO.
DWG. NO. L–1.5
REV. A

Drawing Name: C:\Users\PETER\Land Design Solutions\Drawings\UNE Portland Campus Green\Proj\Site Plan | Plot Date / Time: May 24, 14 / 6:01 PM

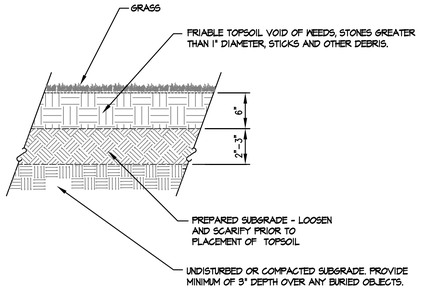


1 CENTER CIRCLE PREPARED PLANT BED

SCALE: N.T.S.

NOTES.

1. ALL PAVERS SHALL BE SAW CUT ONLY. NO FRAGMENT SHALL BE SMALLER THAN 2". FINAL SURFACE SHALL PITCH TO DRAIN PER GRADING PLAN.
2. BRICK PAVER TO BE THE PATHWAY RED BRICK PAVER IN A 4x2-1/4"x8" SIZE AS MANUFACTURED BY PINE HALL BRICK AND DISTRIBUTED BY GENEST CONCRETE PRODUCTS OF WINDHAM AND SANFORD, MAINE OR APPROVED EQUIVALENT. BRICK SAMPLES SHALL BE PROVIDED TO THE OWNER FOR APPROVAL PRIOR TO PURCHASING.
3. POLYMERIC SAND TO BE GATOR XP SAND AS MANUFACTURED BY ALLIANCE DESIGNER PRODUCTS AND DISTRIBUTED BY GENEST CONCRETE PRODUCTS OR APPROVED EQUIVALENT.
4. COMPACT BASE GRAVELS TO 95% OF THEIR DRY MAXIMUM DENSITY.

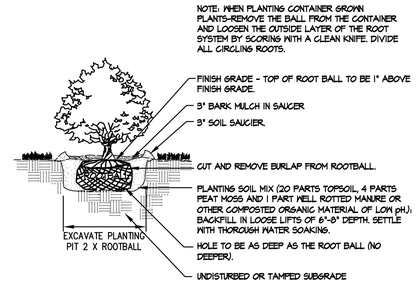


2 LAWN INSTALLATION (SEED OR SOD)

SCALE: NTS

NOTES:

1. ALL PAVERS SHALL BE SAW CUT ONLY. NO FRAGMENT SHALL BE SMALLER THAN 2". FINAL SURFACE SHALL PITCH TO DRAIN PER GRADING PLAN.
2. CONCRETE UNIT PAVERS SHALL BE THE TREVIA TUMBLED PAVER IN ASH CHARCOAL COLOR. AS MANUFACTURED BY RINOX OF MONTREAL, CANADA (1-888-855-4999) OR DISTRIBUTED BY LANDSCAPERS DEPOT OF KINGSTON, NH (603-642-6671) SAMPLES SHALL BE PROVIDED TO THE OWNER PRIOR TO PURCHASE FOR APPROVAL.
3. POLYMERIC SAND TO BE GATOR XP SAND AS MANUFACTURED BY ALLIANCE DESIGNER PRODUCTS AND DISTRIBUTED BY GENEST CONCRETE PRODUCTS OR APPROVED EQUIVALENT.
4. COMPACT BASE GRAVELS TO 95% OF THEIR DRY MAXIMUM DENSITY.

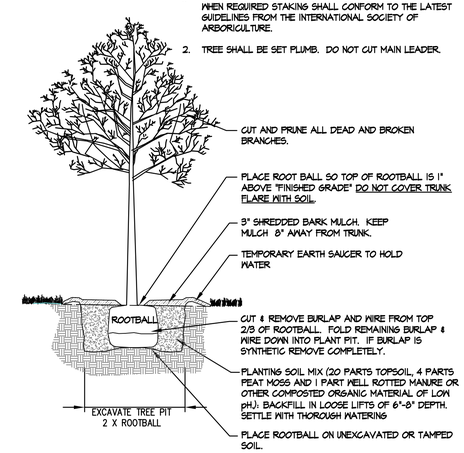


3 SHRUB PLANTING DETAIL

SCALE: N.T.S.

NOTES:

1. STAKE ONLY TREES WITH SANDY OR CLAYEY ROOTBALLS. WHEN REQUIRED STAKING SHALL CONFORM TO THE LATEST GUIDELINES FROM THE INTERNATIONAL SOCIETY OF ARBORICULTURE.
2. TREE SHALL BE SET PLUMB. DO NOT CUT MAIN LEADER.

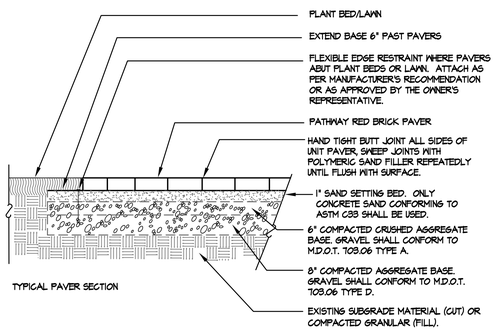


4 DECIDUOUS TREE PLANTING

SCALE: N.T.S.

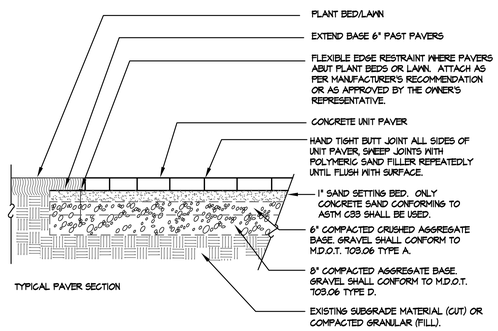
NOTES:

1. CROSSWALKS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT AND ALL LOCAL CODES AND MUTCD STANDARDS.
2. ALL PAINT SHALL BE LEAD FREE, FAST DRYING, 100% ACRYLIC WATERBORNE TRAFFIC PAINT WITH SILICA SAND FOR SKID RESISTANCE, MEETING THE REQUIREMENTS OF TT-P-1952E TYPE I & II. PAINT SHALL BE APPLIED AS SPECIFIED BY THE MANUFACTURER.
3. OWNER TO APPROVE THE LAYOUT OF CROSSWALKS PRIOR TO PAINTING.



5 BRICK PAVER INSTALLATION

SCALE: NTS

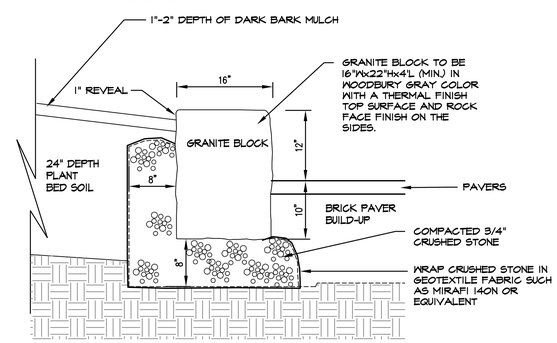


6 CONCRETE UNIT PAVER INSTALLATION

SCALE: NTS

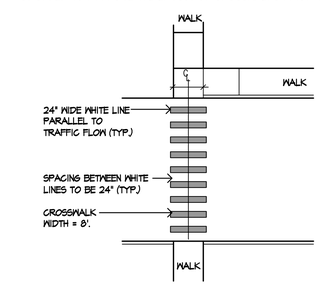
NOTES:

1. GRANITE BLOCKS SHALL BE CUT IN EQUAL SEGMENTS TO FOR A 9' OUTSIDE RADIUS WITH BUTT TIGHT JOINTS.
2. JOINTS ON PLANTER SIDE BELOW SOIL & MULCH TO BE CALKED WITH MORTAR JOINT REPAIR CAULKING TO KEEP SOIL AND MULCH FINES FROM WASHING THROUGH.



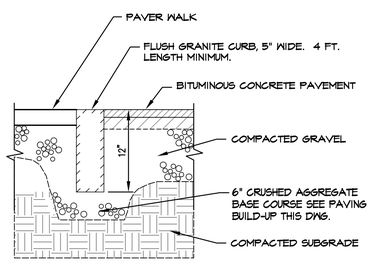
7 CIRCLE GARDEN GRANITE EDGING

SCALE: N.T.S.



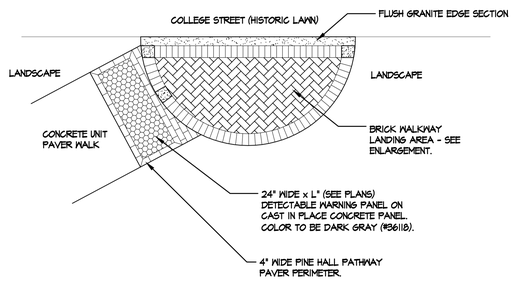
8 PAINTED CROSSWALK

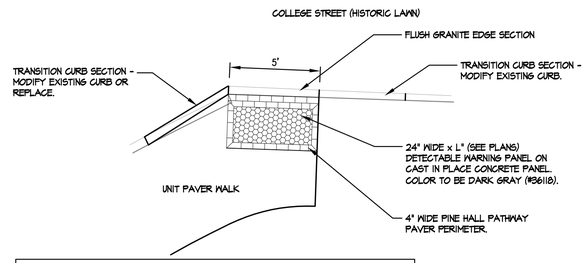
SCALE: NTS



9 FLUSH GRANITE EDGE / CURB

SCALE: N.T.S.





THE ADA NO LONGER REQUIRES TACTILE WARNING PANELS AT PEDESTRIAN STREET CROSSINGS, HOWEVER THE CITY OF PORTLAND DOES. THIS ISSUE SHOULD BE REVISITED WITH THE CITY OF PORTLAND AT THE TIME THE WALKS ARE TO BE CONSTRUCTED.

NOTES:

1. DIMENSIONS ARE SUBJECT TO CHANGE IN FIELD. ALL SLOPES AND DIMENSIONS TO COMPLY WITH A.D.A. REQUIREMENTS.
2. CONTRACTOR TO INSTALL 24" WIDE DETECTABLE WARNING STRIP PER ADA GUIDELINES AND THE CITY OF PORTLAND TECHNICAL STANDARDS, FIGURE 1-7A. DETECTABLE WARNING PANELS SHALL BE COMPOSITE (NET SET (REPLACEABLE) IN DARK GRAY COLOR (#36118) AS MANUFACTURED BY ADA SOLUTIONS INC. OR APPROVED EQUIVALENT.
3. CONCRETE PANELS SHALL BE CAST IN PLACE, 5" THICK AND MEET SPECIFICATIONS FOR MAINE D.O.T. CLASS A STRUCTURAL CONCRETE, MINIMUM COMPRESSIVE STRENGTH 4,000 PSI. CONCRETE SHALL BE SEALED PRIOR TO SETTING PANELS.
4. CONTRACTOR SHALL PROVIDE THE OWNER'S REPRESENTATIVE WITH SHOP DRAWINGS SHOWING INSTALLATION AND DIMENSIONS OF ALL CURBING, WALKS AND TACTILE WARNING PANELS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
5. ALL WORK IN THE CITY OF PORTLAND STREET RIGHT OF WAY MUST MEET THE CITY TECHNICAL STANDARDS AND IS SUBJECT TO CITY REVIEW.

10 COLLEGE STREET DETECTABLE WARNING PANELS

SCALE: NTS

REV.	DATE	STATUS	BY	CHKD.	APPD.
A	5/23/14	ISSUED FOR CLIENT REVIEW	DEPT.	PBB	PBB

REV.	DATE	STATUS	BY	CHKD.	APPD.

LICENSED LANDSCAPE ARCHITECT PETER B. BIEGEL No. 2824 STATE OF MAINE 5/23/14

LAND DESIGN SOLUTIONS
LAND PLANNING, SITE PLANNING & LANDSCAPE ARCHITECTURE
P.O. Box 316, 160 Longwoods Road, Cumberland, ME 04081 tel:(207) 829-1717

CLIENT& OWNER:
UNIVERSITY OF NEW ENGLAND
11 HILLS BEACH ROAD, BIDDEFORD, ME 04005

DESIGN: PBB
DRAWN: DEPT.
CHKD: PBB
DATE: SEPT. 2013
SCALE: AS NOTED

CAMPUS GREEN LANDSCAPE
STEVENS AVENUE, PORTLAND, MAINE

LANDSCAPE DETAILS

PROJ. NO.
DWG. NO. L-2.1
REV. A

Drawing Name: C:\Users\PETER\Land Design Solutions\Land Design Solutions\Drawings\Details | Plot Date / Time: May 24, 14 , 5:56 PM

REINFORCED HANDHOLE W/ COVER AND STAINLESS STEEL SCREWS

CONDUITS STUBBED UP INSIDE POLE

BASE PLATE

NON-SHRINK GROUT (1" MAX)

3/4" CHAMFER

FINISH GRADE

3/4" DIA x 10' LONG GROUNDING ROD (COPPER CLAD STEEL)

LIGHT POLE

PROVIDE INTERNAL GROUNDING LUG, SIZE GROUNDING CONDUCTOR PER NFPA 70

BASE COVER

GALV ANCHOR BOLTS (SIZE AND NUMBER PER MANUFACTURERS RECOMMENDATIONS)

LEVELING NUTS

TOP OF FOUNDATION

12"

~~18"~~ DIA FORMED CONC FDN (4,000 PSI MIN)

COMPACTED COMMON FILL

5'-0"

#4 TIES @ 12" OC (TYP)

RGS CONDUIT RISER, TYP

4 #5 EQUALLY SPACED

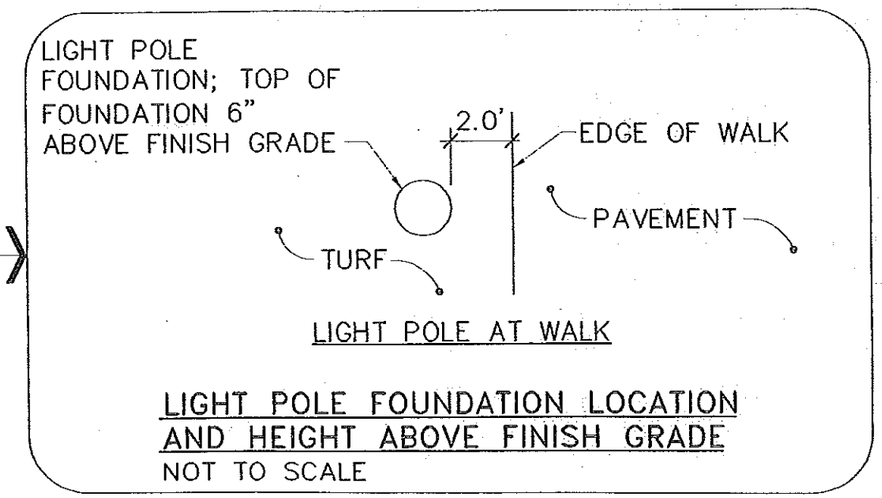
3" CLEAR

(4) 1'-0" LONG #4'S EPOXY GROUT 6" MIN INTO EXISTING ROCK

2" CLEAR (TYP)

OMPACT EXIST SUBGRADE OR RANULAR BRROW/COMMON FILL

ROCK



LIGHT POLE FOUNDATION LOCATION AND HEIGHT ABOVE FINISH GRADE

NOT TO SCALE

TOTAL 19