



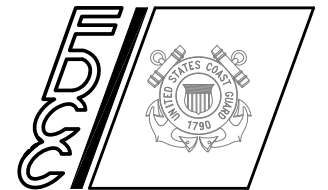
MID-LIFE RENOVATIONS PHASE III CHASE HALL BARRACKS UNITED STATES COAST GUARD ACADEMY NEW LONDON, CONNECTICUT

LEO A DALY EST. 1915
PLANNING ARCHITECTURE ENGINEERING INTERIORS
8600 Indian Hills Drive
Omaha, NE 68114-4039 USA
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CONSULTANTS

FINAL D/B RFP
CONCEPTUAL DESIGN
12/08/2010

U. S. COAST GUARD
FACILITIES DESIGN &
CONSTRUCTION CENTER



FDCC
5505 ROBIN HOOD ROAD
NORFOLK, VIRGINIA 23513-2431

MARK	DATE	DESCRIPTION

A/E PROJECT NO: 002-10069-013
CAD FILE NAME: A60L02001G000.dwg
DESIGNED BY: TMK
DRAWN BY: TMK
EDITED BY:
CHECKED BY:

SCALE: PLOT SCALE: 1 : 1

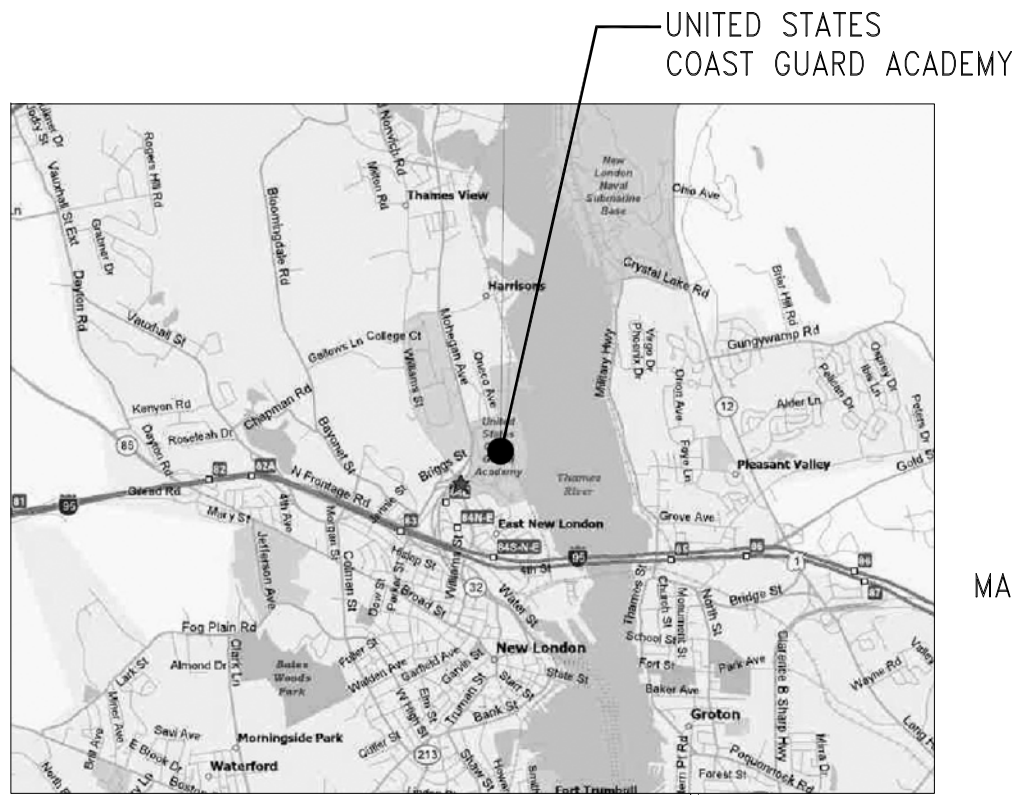
SHEET TITLE
MID-LIFE RENOVATIONS PHASE III
US COAST GUARD ACADEMY
NEW LONDON CT
CHASE HALL BARRACKS
GENERAL
TITLE SHEET

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

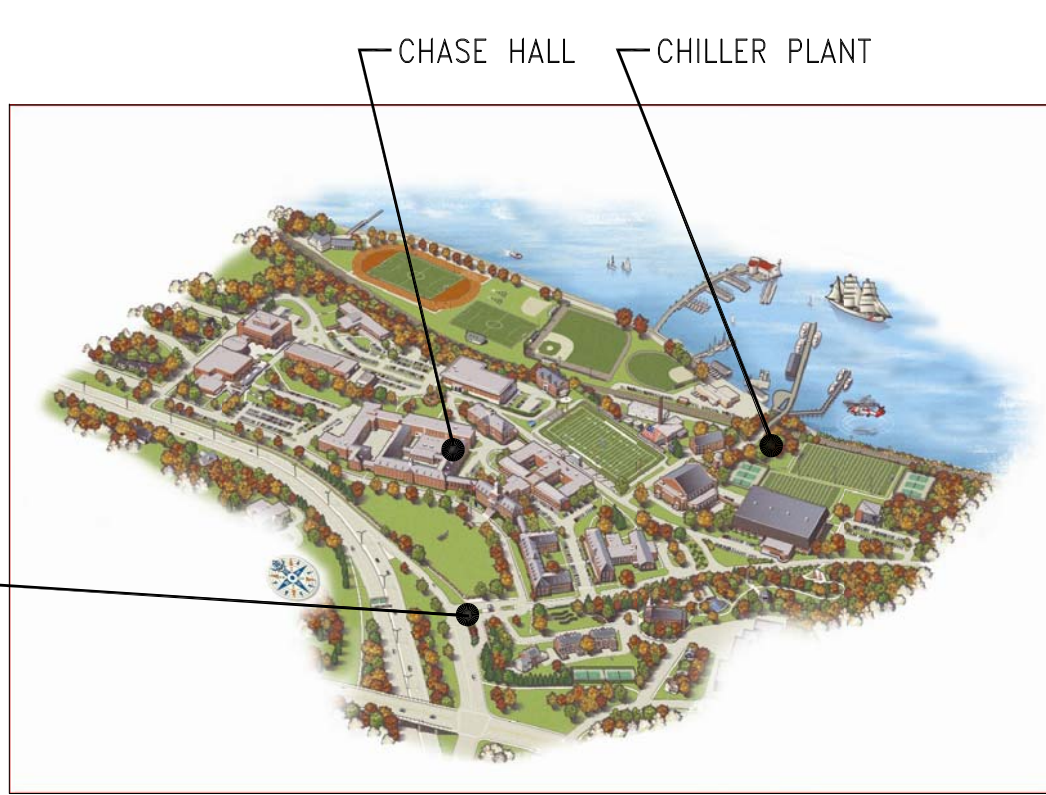
APPROVING OFFICER	DATE
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PROJECT NUMBER	DRAWING NUMBER
60-L02001	A60L02001G000

DISCIPLINE/SHT NO	SHEET 1 OF 81
G000	



LOCATION MAP
SCALE: N.T.S.



VICINITY MAP
SCALE: N.T.S.

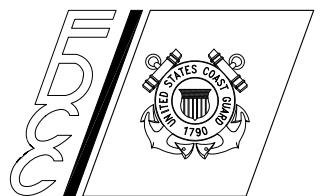


M:\SCHMITT\02\CT\NEW LONDON\ACADEMY\60-L02001-CHASE HALL PHASE III\60-L02001-D-B PHASE CONTRACTING BRIDGING DOCS\DRAWINGS\CAD\A60L02001G000.DWG LAYOUT: 2X234 1/06/2011 1:25PM DIMSCALE: 1 R17.2

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NORFOLK, VIRGINIA 23513-2431

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO: 002-10069-013
CAD FILE NAME: A60L02001G100.dwg
DESIGNED BY: AAH
DRAWN BY: GRK
EDITED BY:
CHECKED BY: DTD

SCALE: 1" = 100' PLOT SCALE: 1 : 1

SHEET TITLE

MID-LIFE RENOVATIONS PHASE III
US COAST GUARD ACADEMY
NEW LONDON CT
CHILLER PLANT
GENERAL
OVERALL SITE PLAN

REVIEWED BY: REVIEWED BY: REVIEWED BY:
PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

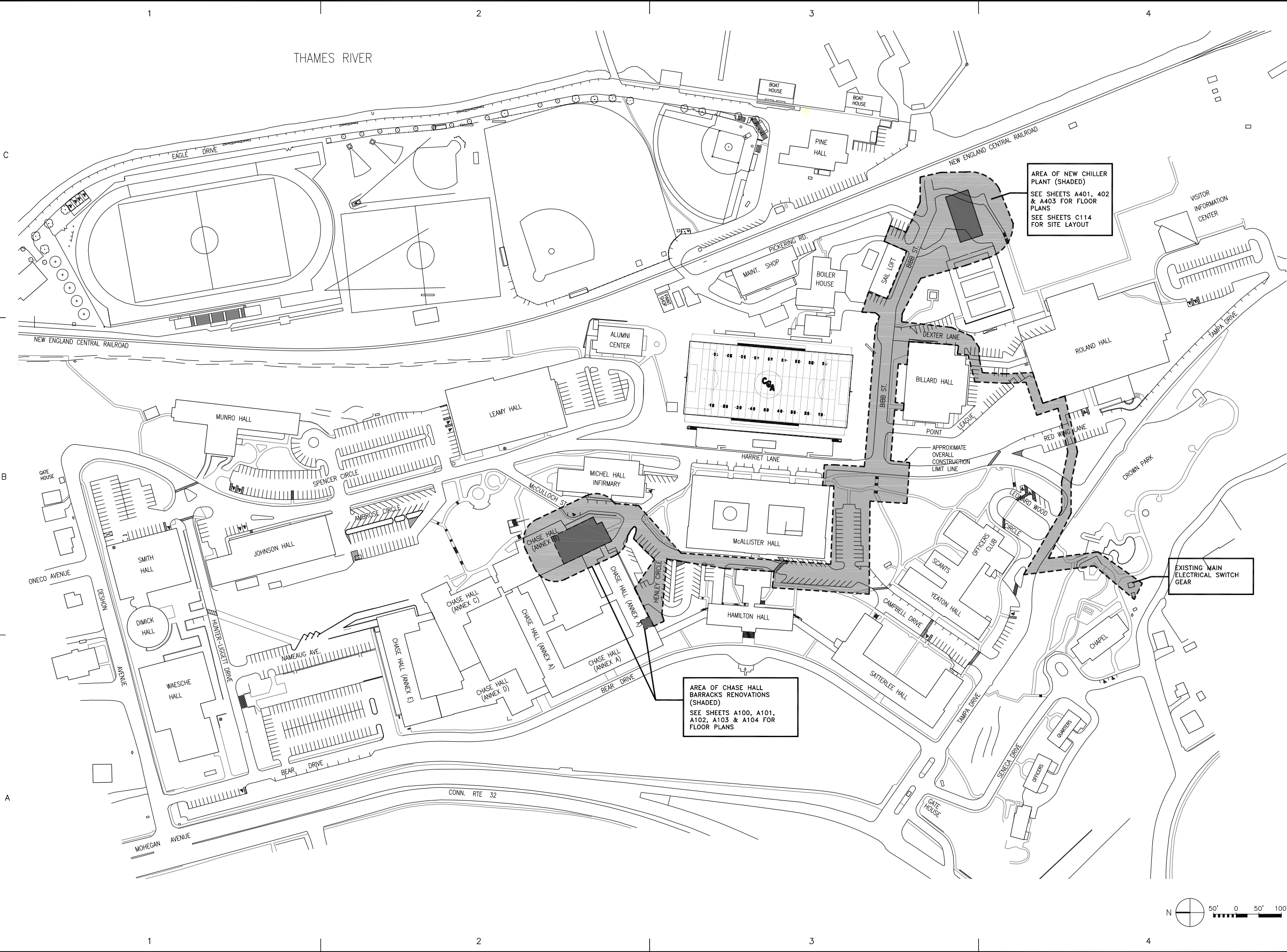
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60-L02001 A60L02001G100

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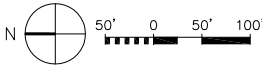
G100 SHEET 4 OF 81



AREA OF NEW CHILLER PLANT (SHADED)
SEE SHEETS A401, 402 & A403 FOR FLOOR PLANS
SEE SHEETS C114 FOR SITE LAYOUT

AREA OF CHASE HALL BARRACKS RENOVATIONS (SHADED)
SEE SHEETS A100, A101, A102, A103 & A104 FOR FLOOR PLANS

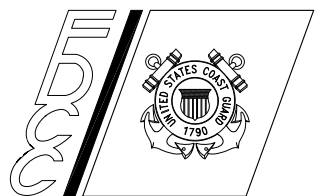
EXISTING MAIN ELECTRICAL SWITCH GEAR



M:\SCHMITT\Q:\CT\NEW_LONDON_ACADEMY\60-L02001-CHASE_HALL_PHASE_III\60-L02001-B-PHASE_CONTRACTING_BRIDGING_DRAWINGS\CAD\A60L02001G100.DWG_LAYOUT: 22X34 1/06/2011 2:10PM DIMSCALE: 1:117.2

**FINAL D/B RFP
 CONCEPTUAL DESIGN**
 12/08/2010

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 NORFOLK, VIRGINIA 23513-2431

ISSUE

MARK	DATE	DESCRIPTION

A/E PROJECT NO: 002-10069-013
 CAD FILE NAME: A60L02001G101.dwg
 DESIGNED BY: TMK
 DRAWN BY: TMK
 EDITED BY:
 CHECKED BY: DTD

SCALE: 1" = 100' PLOT SCALE: 1 : 1

SHEET TITLE

MID-LIFE RENOVATIONS PHASE III
 US COAST GUARD ACADEMY
 NEW LONDON CT
 CHILLER PLANT
 GENERAL
 KEY PLAN

REVIEWED BY: REVIEWED BY: REVIEWED BY:
 PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

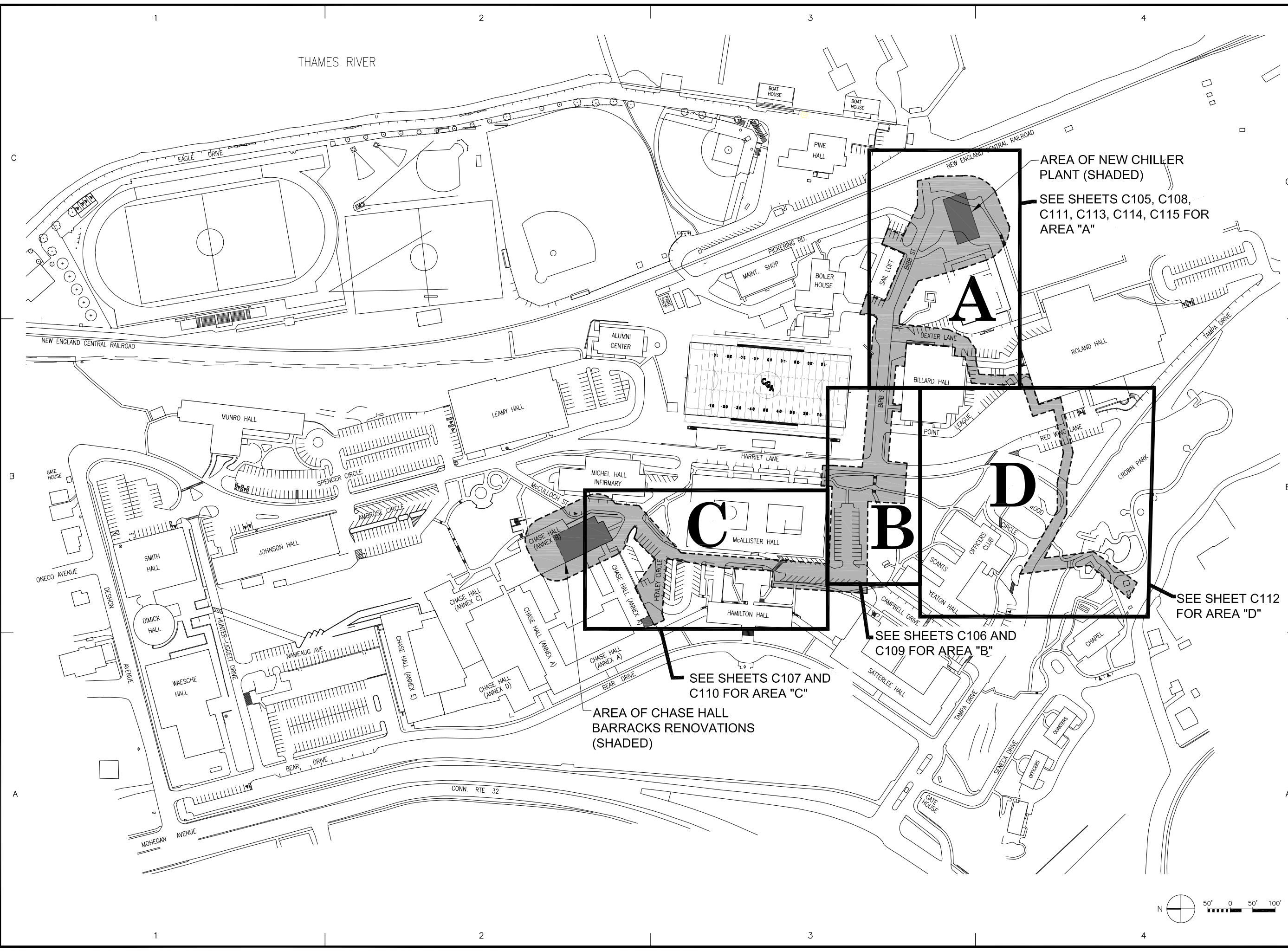
APPROVING OFFICER DATE

PROJECT NUMBER DRAWING NUMBER

60-L02001 A60L02001G101

DISCIPLINE/SHT NO SHEET 5 OF 81

G101



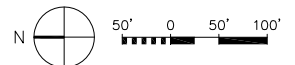
AREA OF NEW CHILLER
 PLANT (SHADED)
 SEE SHEETS C105, C108,
 C111, C113, C114, C115 FOR
 AREA "A"

SEE SHEETS C106 AND
 C109 FOR AREA "B"

SEE SHEETS C107 AND
 C110 FOR AREA "C"

AREA OF CHASE HALL
 BARRACKS RENOVATIONS
 (SHADED)

SEE SHEET C112
 FOR AREA "D"



M:\SCHMITT\Q:\CT\NEW_LONDON_ACADEMY\60-L02001-CHASE_HALL_PHASE_III\60-L02001-B-PHASE_CONTRACTING_BRIDGING_DCGS_DRAWINGS\CAD\A60L02001G101.DWG_LAYOUT: 22X34 1/06/2011 2:38PM DIMSCALE: 1:117.2

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CIVIL GENERAL NOTES:

1. PERFORM ALL WORK IN ACCORDANCE WITH THE FINAL PLANS AND DETAILED SPECIFICATIONS TO BE PREPARED BY THE CONTRACTOR.
2. THE LOCATIONS OF ALL AERIAL AND UNDERGROUND UTILITY FACILITIES ARE APPROXIMATE OR MAY NOT BE INDICATED IN THESE DOCUMENTS. LOCATE UNDERGROUND FACILITIES, WHETHER INDICATED OR NOT PRIOR TO SURVEYING AND CONSTRUCTION BY THE CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES, PAVEMENT AND OTHER IMPROVEMENTS. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR WILL PROVIDE FOR THE EXISTING UTILITY LOCATION STAKES 48 HOURS PRIOR TO DIGGING. CALL LOCATING SERVICE AND ALL APPLICABLE UTILITY COMPANIES AS NECESSARY. REFERENCE IS MADE TO SECTION 01158, PARAGRAPH 1.4.1.1 FOR SURVEYING AND LOCATION CRITERIA. USCG ACADEMY SYSTEMS MAY NOT BE LOCATED BY THE LOCATING SERVICE.
4. MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND EXISTING CITY SEWER SIPHON ELEMENTS SHOWN ON THE CIVIL PLANS ARE FOR INFORMATION ONLY. REFER TO THE APPROPRIATE DISCIPLINE DRAWINGS FOR DETAILS OF THESE ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR INCORPORATING ALL REQUIRED EMBEDDED ITEMS AND OPENINGS WHETHER OR NOT SHOWN ON THE CIVIL DRAWINGS.
5. ELEVATIONS SHOWN ON THE CIVIL PLANS ARE REFERENCED TO NAVD 88.

6. REMOVE ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS DAILY. HAUL ALL DEBRIS OFF-SITE AND DISPOSE OF PROPERLY AT THE CONTRACTOR'S EXPENSE.
7. PROVIDE ALL NECESSARY BARRICADES, WARNING SIGNS, LIGHTS AND FLAGMEN AS PER THE BASE STANDARD REQUIREMENTS. COST SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
8. PROTECT BY WHATEVER MEANS REQUIRED ALL FENCES, SIGNS, STRUCTURES, DRIVES, SIDEWALKS, STREETS, BUSHES, TREES, ETC. WHICH ARE NOT DESIGNATED FOR REMOVAL; OR ARE OUTSIDE THE LIMITS OF CONSTRUCTION.
9. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREA. DO NOT ALLOW WATER TO POND IN EXCAVATION AREAS, AND MAINTAIN ALL EXISTING DRAINAGE PATTERNS.
10. PROVIDE CONTINUOUS SERVICE OF ALL EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT, UNLESS OTHERWISE AUTHORIZED BY CONTRACTING OFFICER.
11. ADJUST TO GRADE ALL WATER AND GAS VALVE BOXES, MANHOLES AND FRAMES, CATCH BASINS AND OTHER FACILITIES THAT FALL WITHIN THE LIMITS OF THIS CONTRACT. KEEP ALL SAID WATER, GAS AND EXISTING SEWERS AND THEIR APPURTENANCES FREE OF DEBRIS AND OPERABLE AT ALL TIMES DURING CONSTRUCTION UNLESS APPROVED BY THE CONTRACTING OFFICER.
12. REMOVE PAVEMENT TO THE NEAREST DIMENSIONED JOINT.

13. CONSTRUCT ALL PAVEMENTS TO CONFORM WITH THE CORRECT LINES, AND FINISHED GRADES AS DETERMINED DURING THE FINAL DESIGN BY THE CONTRACTOR AS INDICATED ON THE PLANS. REMOVE AND REPLACE ANY PAVEMENT OR GUTTER LINE WITH PONDING WATER AFTER CONSTRUCTION AT CONTRACTOR'S EXPENSE.
14. PROVIDE ALL PERMIT AND OTHER ASSOCIATED FEES REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES.
15. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB, FACE OF BUILDING, OR AS INDICATED, AND SHALL BE FIELD VERIFIED DURING FINAL DESIGN BY THE CONTRACTOR.
16. PROVIDE SOD AND FERTILIZE ALL DISTURBED AREAS. COORDINATE WITH CONTRACTING OFFICER ON PLACEMENT OF SOD AROUND BUILDING ENTRANCES AND SIDEWALKS.
17. REMOVE AND/OR RELOCATE ALL ITEMS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS WHETHER SPECIFICALLY CALLED OUT BY NOTE OR NOT.
18. ALL DIMENSIONS/ELEVATIONS NEED TO BE FIELD VERIFIED BY THE CONTRACTOR. IF DIMENSION/ELEVATION VARIES SIGNIFICANTLY FROM THAT SHOWN, CONTRACTOR TO PROVIDE FINAL DESIGN TO RATIFY ANY AND ALL DISCREPANCIES.
19. PROVIDE CONCRETE SLABS AND CURB AND GUTTERS THAT HAVE NO SURFACE CRACKS OTHER THAN CRACKS WITHIN THE JOINTS. REMOVE AND REPLACE ANY CONCRETE WITH A CRACK AT NO ADDITIONAL EXPENSE TO THE USCG.

CONCRETE JOINTING NOTES:

1. PROVIDE A DIAMOND EDGE FOR ALL PAVEMENT JOINTS. SAW CUTS REQUIRED ARE SUBSIDIARY TO ITEMS FOR WHICH DIRECT PAYMENT IS MADE.
2. CUT CONTRACTION JOINTS TO A MINIMUM OF 1/4 OF THE SLAB THICKNESS (1/2 OF THE THICKNESS FOR EARLY ENTRY SAW METHOD).
3. CUT JOINTS AS SOON AS PRACTICAL AFTER THE CONCRETE HAS SET SUFFICIENTLY TO SUPPORT FOOT TRAFFIC. CUT BEFORE ANY SHRINKAGE CRACKS FORM. SEE NOT 19 ABOVE IF ANY CONCRETE CRACKS EXIST IN NEW CONCRETE.
4. SPACE JOINTS NO MORE THAN 10 FEET MAXIMUM. CUT PANELS AS SQUARE AS POSSIBLE.
5. USE DOWEL BARS FOR LOAD TRANSFER ACROSS CONSTRUCTION JOINTS, AND USE DOWEL BARS FOR CONTRACTION JOINTS SUBJECTED TO HEAVY TRUCK TRAFFIC AROUND THE CHILLER PLANT.
6. LAYOUT JOINTS TO MEET CATCH BASINS, DRAINAGE STRUCTURES, REENRANT CORNERS, AND RADII. CUT JOINTS PERPENDICULAR TO EDGES AND RADII, ELIMINATE ANGLES LESS THAN 45° OR OVER 225°. PROVIDE ISOLATION JOINTS AROUND ANY STRUCTURES.
7. SUBMIT A SHOP DRAWING OF THE JOINTING PATTERN FOR APPROVAL PRIOR TO PAVING ACTIVITIES.

PROPOSED LEGEND

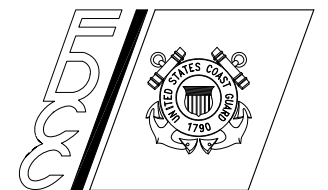
- STORM DRAIN — SD —
- WATER LINE — W —
- ELECTRICAL — P —
- SANITARY SEWER — SS —
- CHILLED WATER — CWR —
- MANHOLE — CWS —
- CURB LINE — ○ —
- CATCH BASIN — ■ —
- BUILDING — □ —
- 4" CONCRETE SIDEWALK — ▨ —
- GAS LINE — G —
- CONSTRUCTION LIMIT — - - - -
- TELECOMMUNICATIONS — TC —
- TRENCH DRAIN — ———

LEO A DALY PLANNING ARCHITECTURE ENGINEERING INTERIORS EST. 1915
 8600 Indian Hills Drive
 Omaha, NE 68114-4039 USA
 Tel 402-391-8111 Fax 402-391-8564

CONSULTANTS

FINAL D/B RFP
CONCEPTUAL DESIGN
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**U. S. COAST GUARD
 FACILITIES DESIGN &
 CONSTRUCTION CENTER**



FDCC LANT
 5505 ROBIN HOOD ROAD
 NORFOLK, VIRGINIA 23513-2431

ISSUE		
MARK	DATE	DESCRIPTION

A/E PROJECT NO: 002-10069-013
 CAD FILE NAME: A60L02001C100.DWG
 DESIGNED BY: AAH
 DRAWN BY: GRK
 EDITED BY:
 CHECKED BY: DTD

SCALE: NO SCALE PLOT SCALE: 1 : 1

SHEET TITLE

MID-LIFE RENOVATIONS PHASE III
 US COAST GUARD ACADEMY
 NEW LONDON CT
 CHILLER PLANT
 CIVIL
 NOTES AND LEGEND

REVIEWED BY:	REVIEWED BY:	REVIEWED BY:
PROJECT ENG.	BRANCH CHIEF	TECH. DIRECTOR

APPROVING OFFICER _____ DATE _____

PROJECT NUMBER	DRAWING NUMBER
60-L02001	A60L02001C100
DISCIPLINE/SHT NO	SHEET 6 OF 81
C100	