

53-I-1

1997-0080

883 Congress St.

Garage, office, overpass

Main Medical Ctr.

on Spreadsheet

CLIENT:	MEDPLEX MEDICAL BUILDING CORPORATION PLANO, TEXAS
PROJECT:	MEDICAL OFFICE BUILDING AND PARKING GARAGE CONGRESS STREET, PORTLAND, MAINE
PROJECT NUMBER:	EROSION AND SEDIMENTATION CONTROL PLAN
DRAWING NUMBER:	C-302
DATE:	97-242

FIELD BOOK #	
DATE	
BY	
SCALE	AS NOTED
REVISED DATE	
STATUS	
REVISION	
DATE	
BY	
CHECKED	
DRAWN	
DESIGN	

GENERAL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DESIGNED IN ACCORDANCE WITH MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION, BEST MANAGEMENT PRACTICES PUBLISHED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION, MARCH 1991 OR LATEST EDITION. [NOTE: THE SITE PLAN SHOULD SPECIFY THE EROSION CONTROL DEVICE TO BE EMPLOYED (SILT FENCE, HAY BALE, ETC.) AS WELL AS LOCATION.]
2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE EXCAVATION OR REGRADING WITH LOAM AND SEED OR OTHER METHODS AS REQUIRED BY BEST MANAGEMENT PRACTICES [SEE ABOVE].
3. PRIOR TO CONSTRUCTION A PRECONSTRUCTION MEETING SHALL BE HELD AT THE PROJECT SITE WITH THE SITE/BUILDING CONTRACTOR SHALL PROVIDE THREE (3) COPIES OF A DETAILED CONSTRUCTION SCHEDULE AND CRITICAL ASPECTS OF THE SITE WORK AT THAT TIME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRECONSTRUCTION MEETING.

MUTUALLY AGREEABLE TIME FOR THE PRECONSTRUCTION MEETING.

ALL DISTURBED AREAS ON THE SITE NOT COVERED BY BUILDINGS OR PAVED AREAS SHALL BE STABILIZED WITH LOAM AND SEED OR OTHER METHODS AS REQUIRED BY BEST MANAGEMENT PRACTICES [SEE ABOVE].

1. IT IS ANTICIPATED THAT CONSTRUCTION WILL BE DONE AS SEEN AS SHOWN ON THIS PLAN.

2. THE EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THIS PLAN.

3. THE EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE REPAIRED AS NECESSARY TO MAINTAIN THEIR EFFECTIVENESS.

4. ANY DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AFTER CONSTRUCTION.

5. THE EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE REPAIRED AS NECESSARY TO MAINTAIN THEIR EFFECTIVENESS.

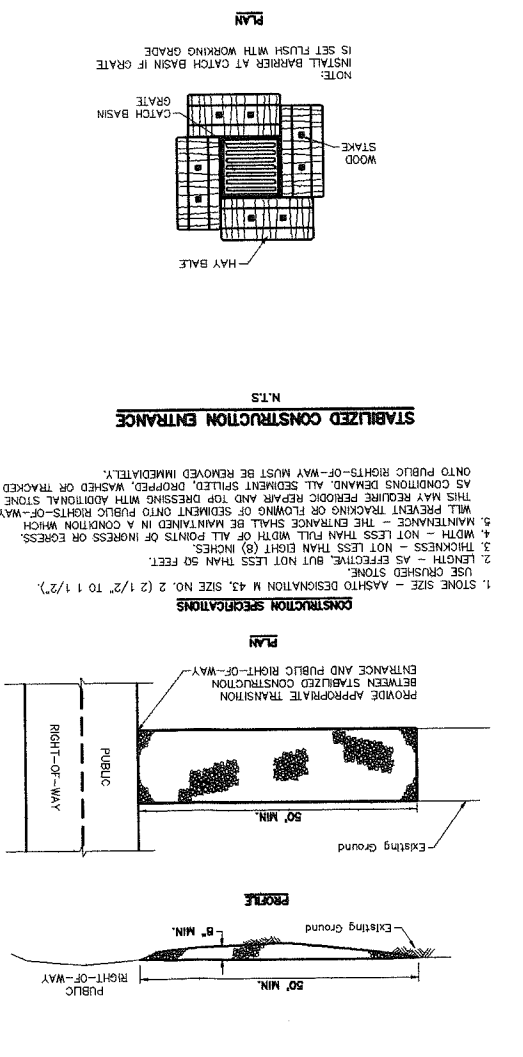
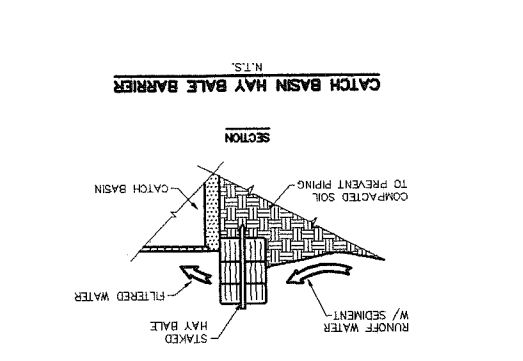
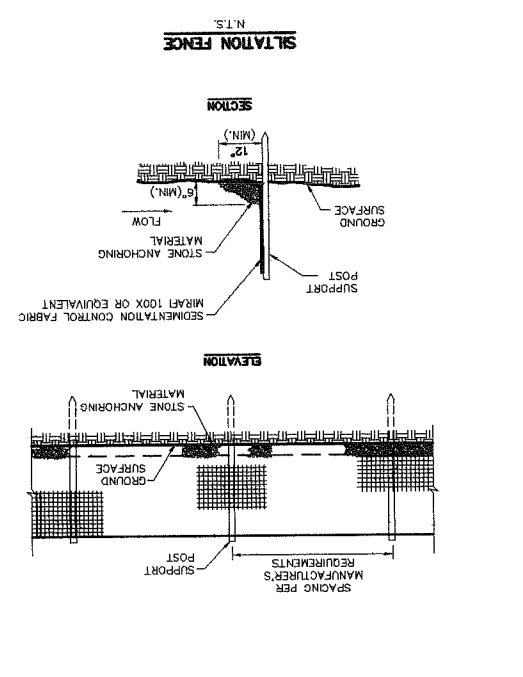
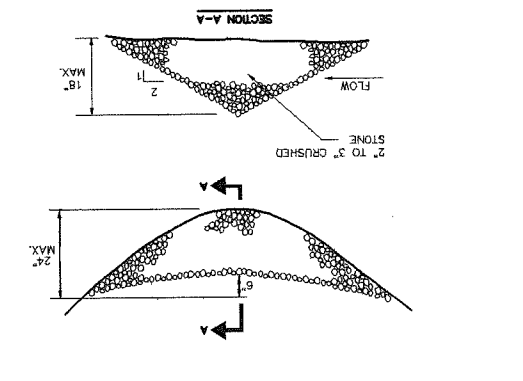
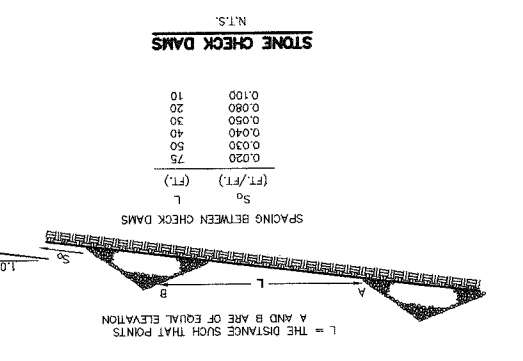
6. THE EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND SHALL BE REPAIRED AS NECESSARY TO MAINTAIN THEIR EFFECTIVENESS.

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CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - ASHITO DESIGNATION # 43, SIZE NO. 2 (1/2" TO 1 1/2").
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN 8" INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY.

THIS MAY REQUIRE PERIODIC REPAIR AND TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.

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LEGEND
 ⊙ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

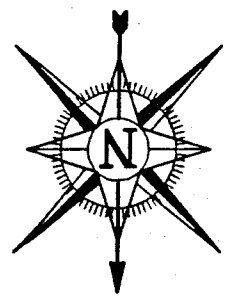
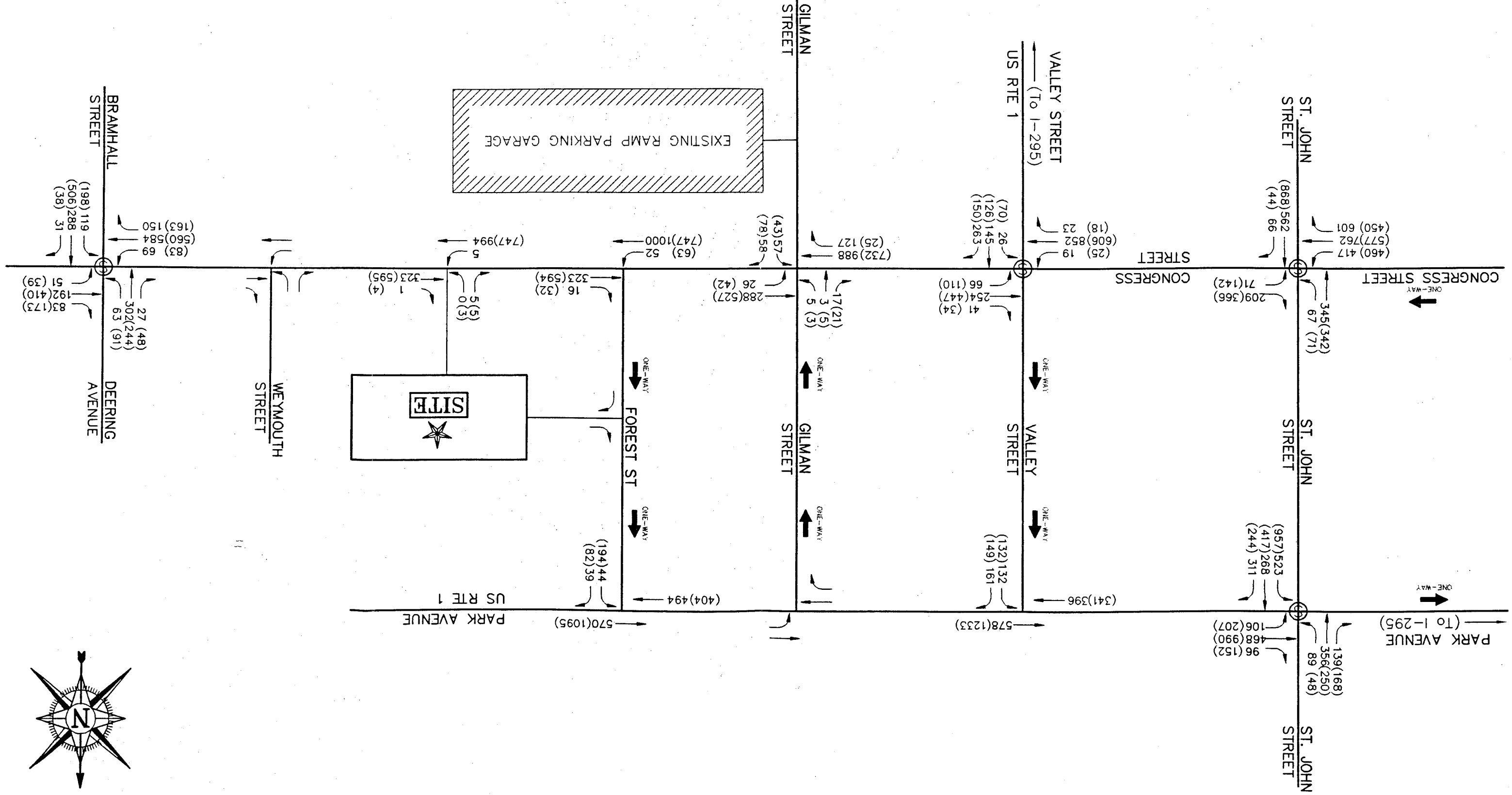
NOTE: This figure is based on the following:
 • Seasonal adjustment factor = $\frac{1.12}{0.88} = 1.27$
 • 2% annual growth rate
 • Other development - Holt Hall renovation

PREPARED FOR: MAINE MEDICAL CENTER
PROJECT: MEDICAL OFFICE BUILDING
LOCATION: PORTLAND, MAINE

Checked: TLG Job No. 1471
Drawn: FAP Scale N.T.S.
Designed: MC Date JAN 1997

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

1998 PRE-DEVELOPMENT



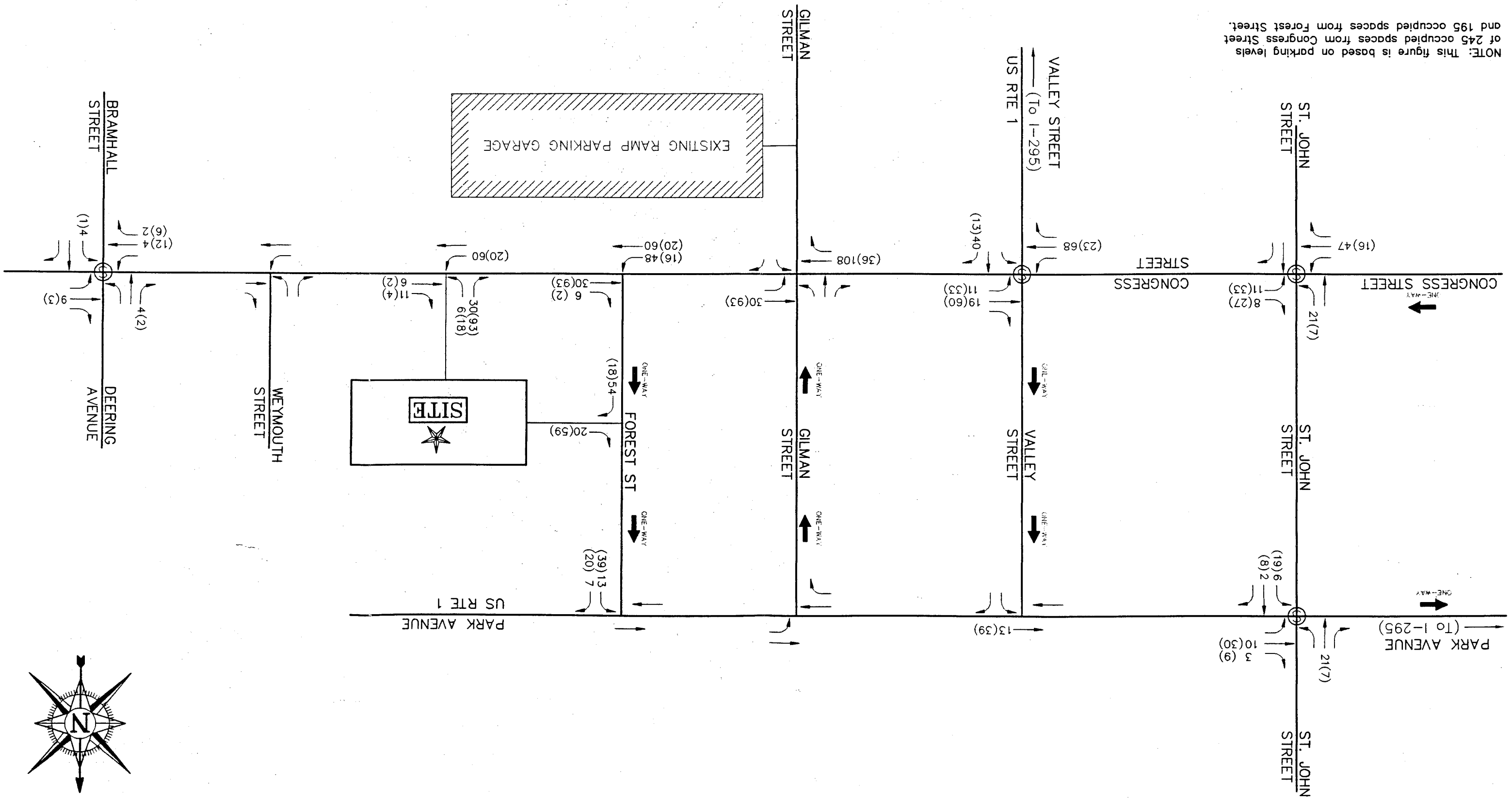
⊙ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

Proposed 49,150 s.f.
 Medical Office Building
 with 420 parking spaces

Period	Trip ends	In	Out
AM Peak	182	126	56
PM Peak	212	42	170

NOTE: This figure is based on parking levels of 245 occupied spaces from Congress Street and 195 occupied spaces from Forest Street.

PROPOSED TRIP ASSIGNMENT

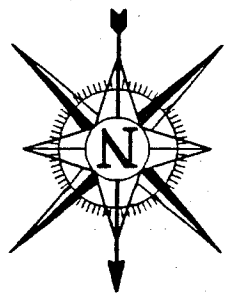


PREPARED FOR: **MAINE MEDICAL CENTER**
 PROJECT: **MEDICAL OFFICE BUILDING**
 LOCATION: **PORTLAND, MAINE**

Checked: **TLG** Job No. 1471
 Drawn: **FAP** Scale: **N.T.S.**
 Designed: **MC** Date: **JAN 1997**

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 775 Main Street
 South Portland, Maine 04106
 207-775-1121

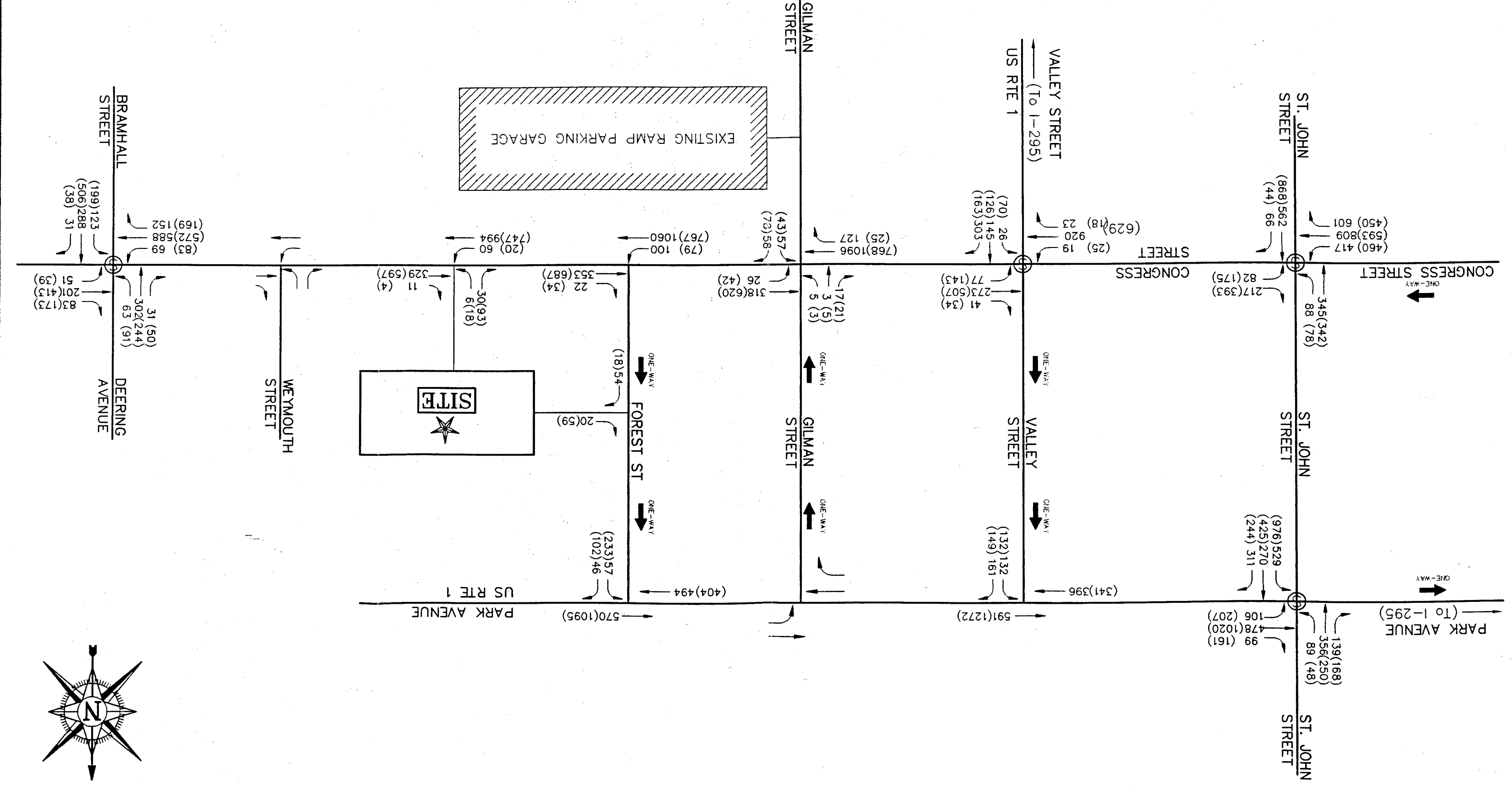
FIGURE **5**



LEGEND
 ⊙ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

Rev	Date	Description
1	12/22/97	REVISED 1998 POST-DEVELOPMENT VOLUMES
LOCATION: PORTLAND, MAINE		
FOR:	PROJECT:	
MAINE MEDICAL CENTER	MEDICAL OFFICE BUILDING	
PREPARED	DATE	FIGURE
Deluca-Hoffman Associates, Inc.	JAN 1997	6
Consulting Engineers 778 Main Street South Portland, Maine 04106 207-775-1121		

1998 POST-DEVELOPMENT



SHEET NO.

5195

PROJECT NO.

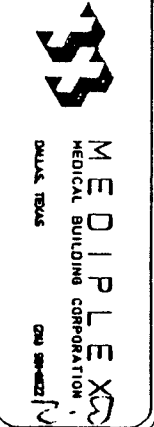
APPROVED BY

DRAWN BY

DATE: 10/29/96

PROPOSED MEDICAL OFFICE BUILDING
& PARKING GARAGE FOR
MAINE MEDICAL CENTER
PORTLAND, MAINE

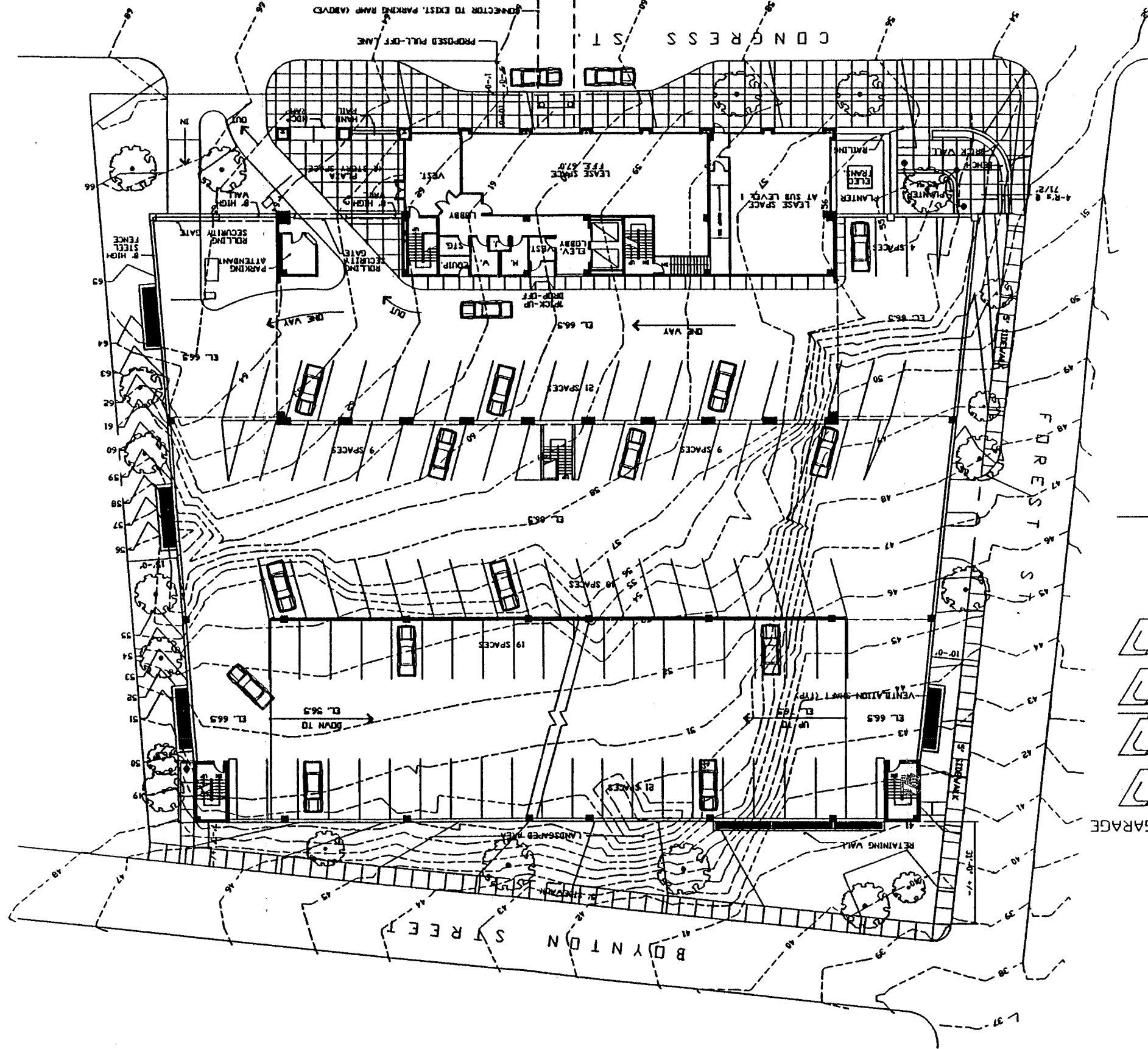
NO.	DATE	BY	REVISIONS
1	12/20/96	RF	
2	2/18/97	RF	
3	2/18/97	RF	
4	2/24/97	RV	
5	3/11/97	MS	
6	4/16/97	MS	



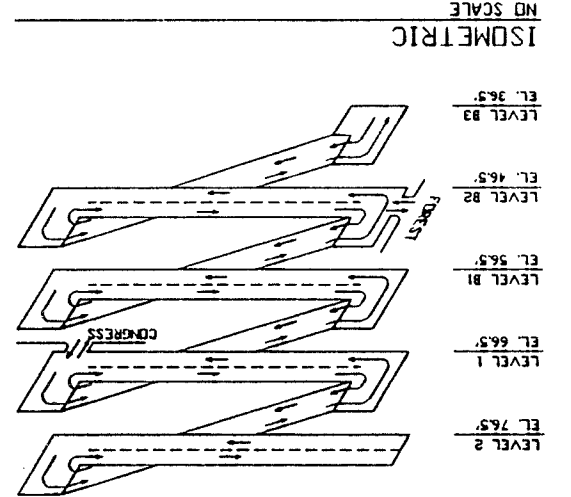
1/16" = 1'-0"



FIRST FLOOR PLAN



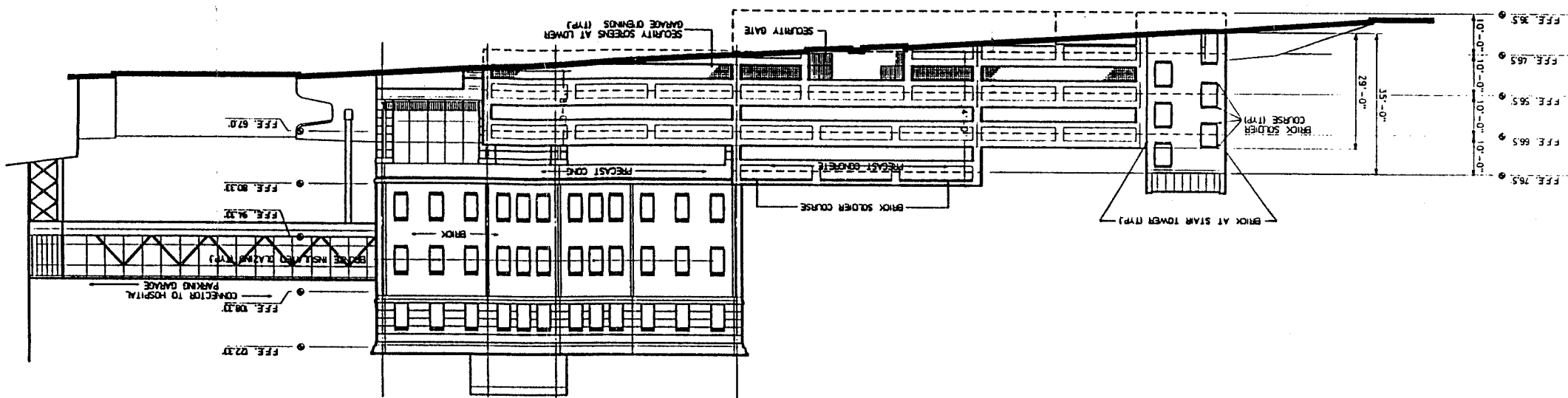
MAINE MEDICAL CENTER PARKING GARAGE



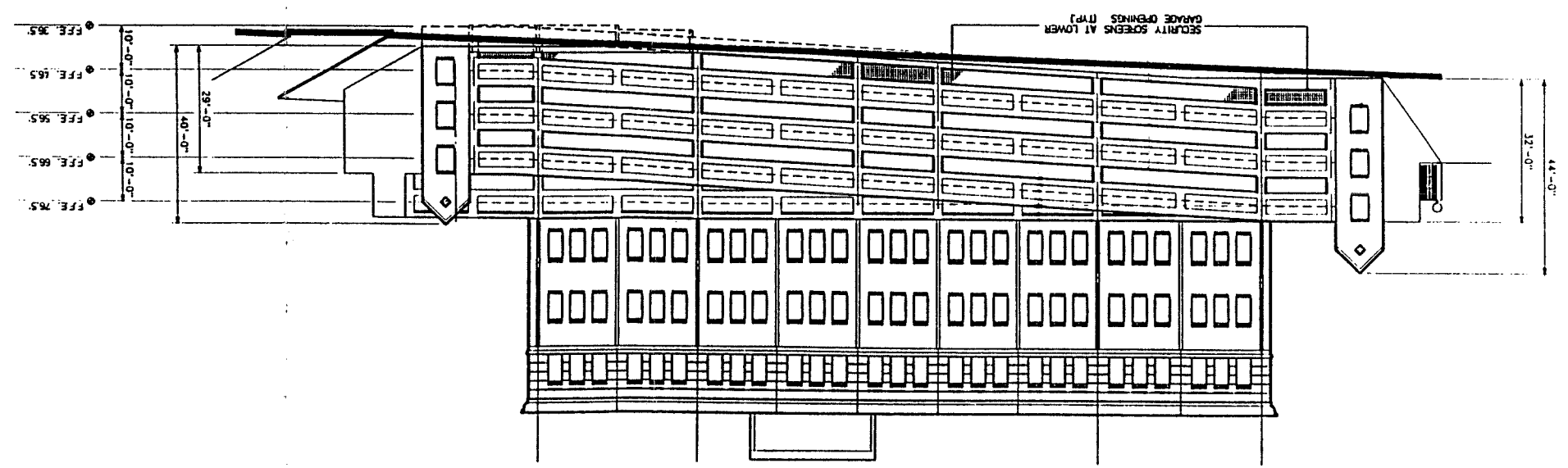
ISOMETRIC
NO SCALE

- LEVEL 2 EL. 76.5'
- LEVEL 1 EL. 66.5'
- LEVEL B1 EL. 56.5'
- LEVEL B2 EL. 46.5'
- LEVEL B3 EL. 36.5'

A1 WEST ELEVATION



B1 NORTH ELEVATION



A31.2
Drawing Number

DCM PSC
Drawn By PA / JC

EXTERIOR ELEVATIONS
Drawing Title

Drawing Sheet

Date	Revision Type
10-2-97	50% D.D. REVIEW

ISSUED FOR BID

No	Date	Revision Description

Key Plan

97.129-00
Project No.

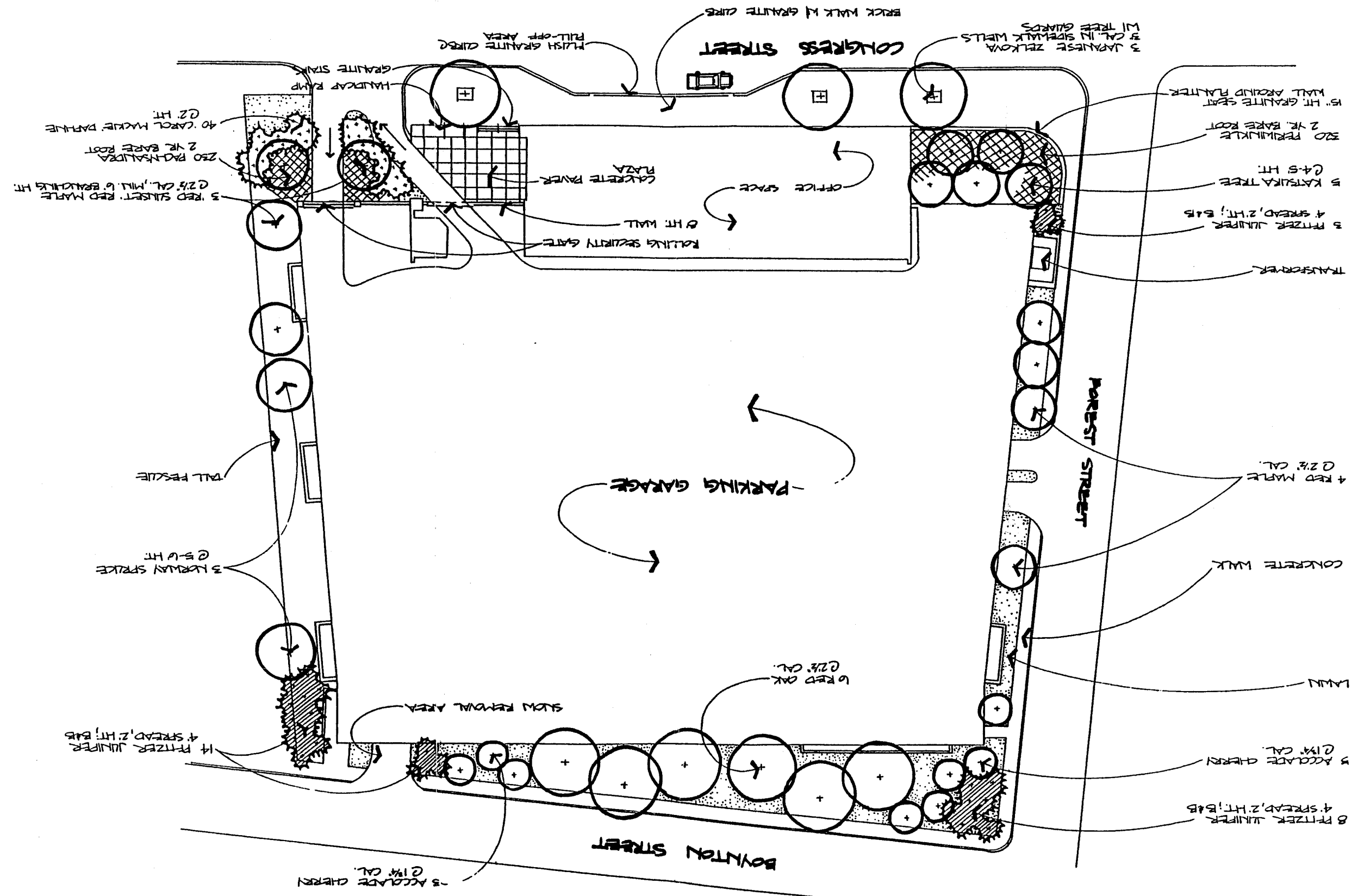
PORTLAND, MAINE
MEDICAL OFFICE BUILDING
PARKING STRUCTURE AND
OVERHEAD CONNECTOR

MAINE MEDICAL CENTER

Project Title

© 1997
Architects & Engineers
HARRIS ASSOCIATES
One Auburn Business Park
Auburn, Maine 04210
207 784 5100 Int.
207 784 5100 Fax
207 782 2017 Tel.
www.harris.com
New Hampshire Cert.
Office in Maine
and Connecticut

MMC PARKING GARAGE
 PLANNING PLAN
 100% DESIGN DEVELOPMENT
 CONGRESS ST, PORTLAND, ME
 No. 1-0
 OCTOBER 21, 1991
 MOHR & SERRINI LANDSCAPE ARCHITECTS, INC.



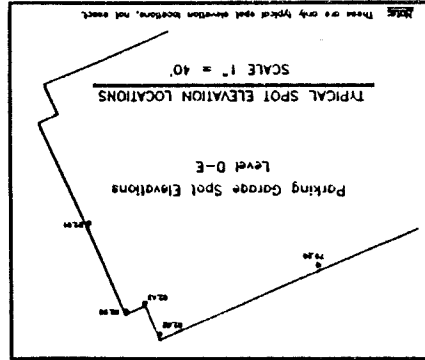
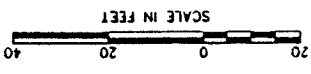
Titcomb Associates

BOOK # 5878
 DATE: 01/16/96
 SCALE: 1"=20'

DATE: 01/16/96
 SCALE: 1"=20'

MADE FOR
MAINE MEDICAL CENTER
22 BRAHMAHALL STREET
PORTLAND, MAINE

EXISTING CONDITIONS PLAN
MAINE MEDICAL CENTER
CONGRESS STREET PARKING LOT



Level	Elevation
D-E	79.20 82.02 82.43 82.50 82.91
F-G	88.17 92.12 92.08 92.33 92.83
H-I	97.88 102.29 102.06 102.37 103.03
J-K	108.65 112.29 112.14 122.31 113.07
L-M	118.91 122.21 122.05 122.35 122.99
N-O	128.22 132.22 132.00 132.21 132.84
P-Q	138.22 142.10 142.11 142.19 142.89
R-S	149.19 152.14 152.07 152.09 153.09

LEGEND

- From Pin Found
- Iron Pin Set (capped 5/8" rubber)
- Concrete Monument Found
- Now or Formerly
- Utility Pole
- Sign
- Telephone Markers
- Survey Markers
- Drain Markers
- Water Valve
- Decorative Tree
- Conifer Tree
- Existing Building
- Edge of Pavement
- Curb Beak
- Existing Contour
- Sewer Line
- Drain Line
- Gas Line
- Overhead Wires
- Underground Telephone
- Electric Markers
- Underground Electric
- Curb
- Water Line
- Boring Location
- Open Lot Force
- Right of Way

NOTES

(1) Bearings are referenced to magnetic north 1996.

(2) Elevations are referenced to City of Portland Datum. Location of Bench Street and Charles Street. Elevation = 140.39 feet.

(3) Location and description of utilities are approximate and are based on field utility companies should be contacted for the exact location and description. The locations shown on this plan are based on the best information available and may not be all inclusive.

AREA
 60,650 square feet
 1.39 Acres square feet

DOWNER OF RECORD
 MAINE MEDICAL CENTER
 10488/22 and 10488/19

ZONING
 ZONE: R6

REFERENCES

1. City of Portland, Department of Public Works, Right of Way Plan, dated February, 1926.
2. City of Portland, Department of Public Works, Right of Way Plan, dated March, 1928.
3. City of Portland, Department of Public Works, Right of Way Plan, dated October, 1925.
4. City of Portland, Department of Public Works, Right of Way Plan, dated December, 1923.
5. City of Portland, Department of Public Works, Right of Way Plan, dated December, 1923.
6. Plan of Property in Portland Made, made for George F. Werry, by Robert J. Cyr, dated September 1, 1953, recorded in Plan Book 183, Page 231.
7. Plan of Lead and Bank Property, Portland, Maine, dated December 2, 1905, recorded in Plan Book 10, Page 135.
8. Grading and Utility Plan, Maine Medical Center, Congress Street Parking Lot, by T.V. Lin, dated July 1, 1988.
9. Portland Sewer System Impaction-Inflow Analysis, Study Area IV, Sheet N-17, made for Portland Water District, by Hunter-Baker, dated 1981 and revised November 7, 1988.
10. Portland Sewer System Impaction-Inflow Analysis, Study Area IV, Sheet N-16, made for Portland Water District, by Hunter-Baker, dated 1981 and revised August 1, 1988.
11. Forest Street Reconstruction, City of Portland, Department of Public Works, dated April, 1993. City of Portland Plan Reference 923/1.
12. Proposed Site Sanitary and Storm Drainage, made for Maine Medical Center, by Smith Smith Home Landscaping and Storm Drainage, dated November 8, 1985. City of Portland Plan Reference 889/8.
13. MHC Parking Facility, Proposed Grading Plan, made for Maine Medical Center, by TAC, dated May 28, 1971 and revised June 22, 1971, on file at the City of Portland, Department of Public Works.
14. Portland Water District, Sheet 7, dated September 12, 1996, on file at Portland Water District.
15. New England Telephone, Underground Utility Plan, on file at New England Telephone.
16. Northern Utilities, Gas Main Locations, Sheets 54 and 55, on file at Northern Utilities.
17. City of Portland, Tax Map 53, Lots 1-8, 12-15.

DESCRIPTION

A certain lot or parcel of land situated on the northern side of Congress Street, in the City of Portland, County of Cumberland, and State of Maine, bounded and described as follows:

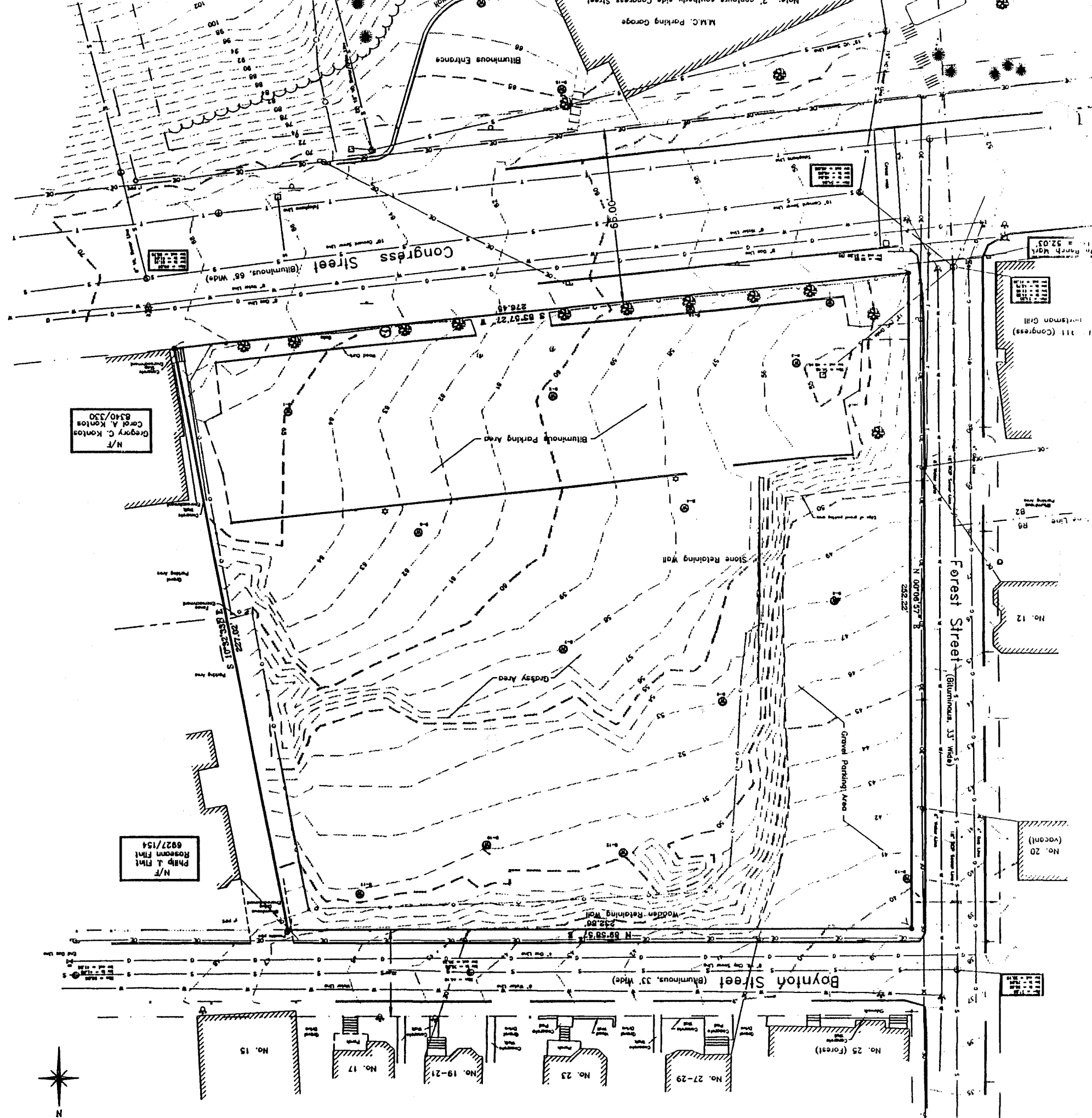
Beginning at a 5/8" capped iron rebar set at the intersection of northern side of Congress Street and the eastern side of Forest Street. Thence:

- (1) N 07°06'37" E by said side of Congress Street a distance of Two Hundred Fifty-two and 22/100 (252.22) feet to a 5/8" capped iron rebar set and the southerly side of Forest Street.
- (2) N 89°58'57" E by said side of Boynton Street a distance of Two Hundred Thirty-two and 89/100 (232.89) feet to a 5/8" capped iron rebar set and the southerly corner of the lot of Philip J. Flint and Roseann Flint as described in a deed recorded in the Cumberland County Registry of Deeds in Book 8927, Page 154.
- (3) S 07°23'23" E by said side of Forest Street a distance of Two Hundred Fifty-two and 22/100 (252.22) feet to a 5/8" capped iron rebar set and the southerly side of said Congress Street.
- (4) S 83°37'27" W by said side of Congress Street a distance of Two Hundred Twenty-six and 45/100 (226.45) feet and the point of beginning.

Bearings are referenced to magnetic north 1996.

The above described parcel contains 60,650 square feet and being the same as described in a deed recorded in the Cumberland County Registry of Deeds in Book 8340, Page 330, a distance of Two Hundred Twenty-seven and 02/100 (227.02) feet to a 5/8" capped iron rebar set and the northern side of said Congress Street.

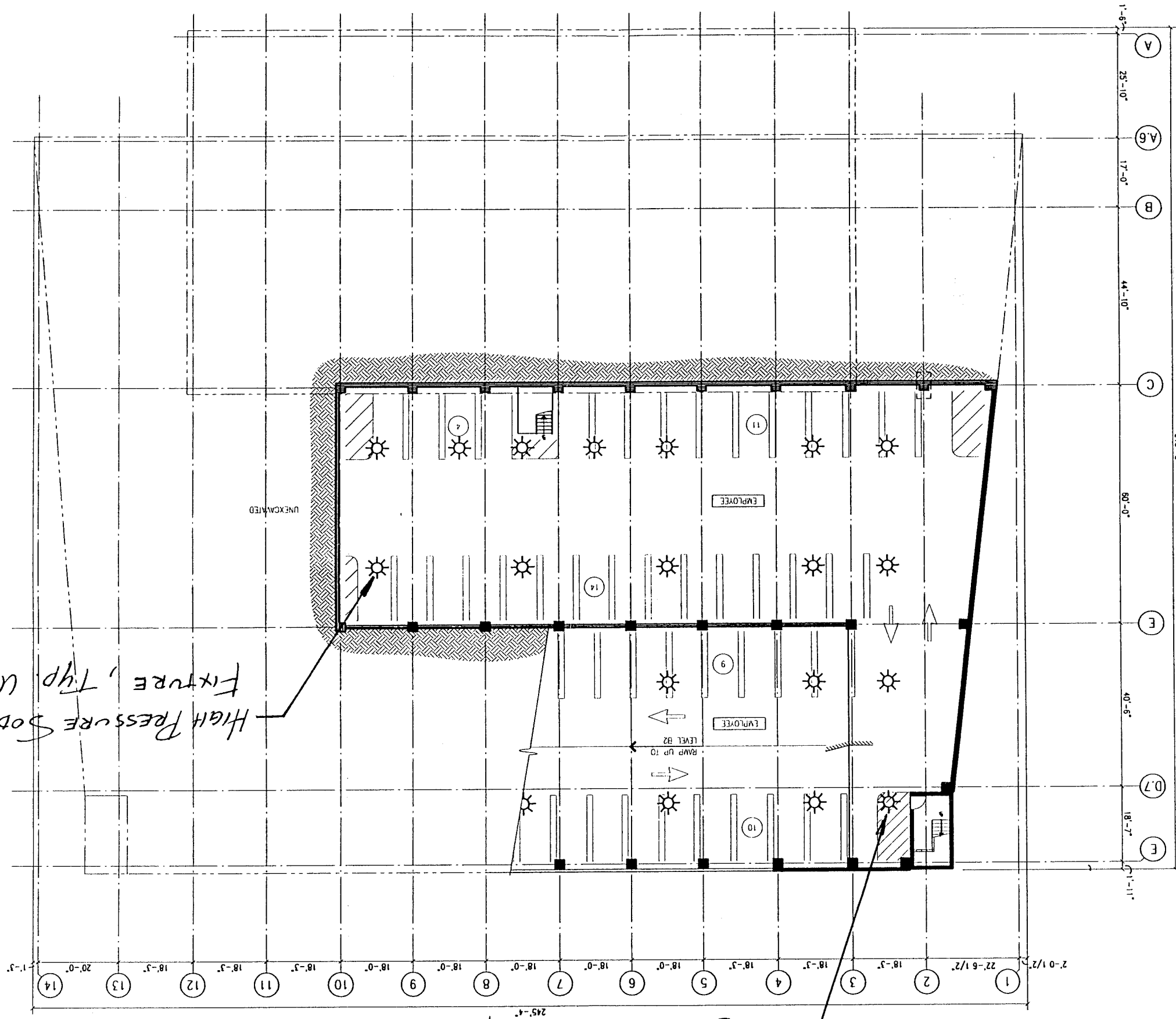
Reference is made to the plan made for Maine Medical Center by Titcomb Associates, and dated January 16, 1997.



471041616-13-1

CARL WALKER, INC
Nov. 24, 1997

High Pressure Sodium
Fixture, Typ. U.M.



METAL HALIDE FIXTURE
@ STAIRS ONLY

MAINE MEDICAL CENTER
3500.04

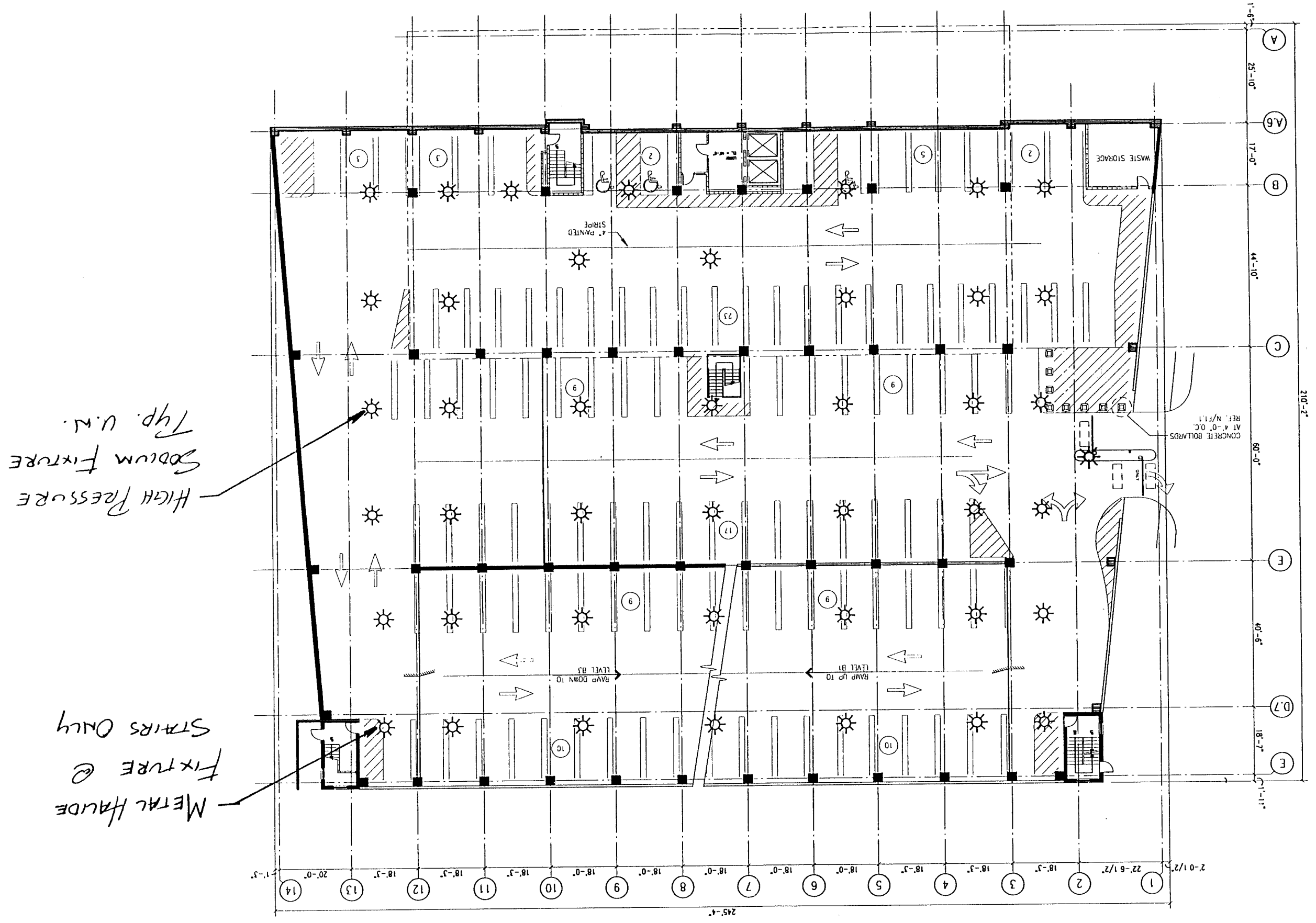
LEVEL B3
LIGHTING LAYOUT

CARL WALKER, INC.
Nov. 24, 1997

MAINE MEDICAL CENTER

3500.04

LEVEL B2
LIGHTING LAYOUT



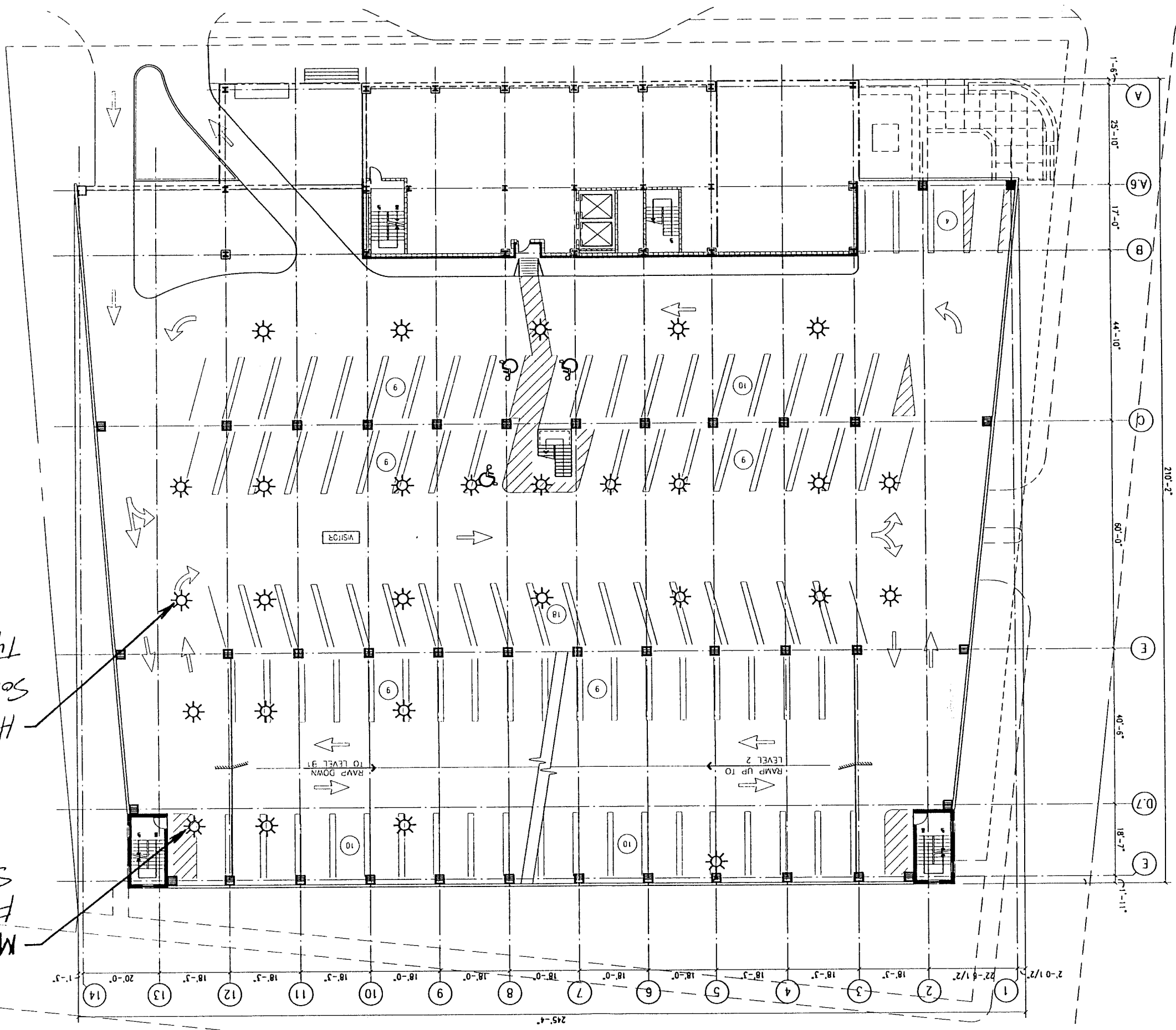
CARL WALKER, INC.
Nov. 24, 1997

MAINE MEDICAL CENTER

5500.04

HIGH PRESSURE
SODIUM FIXTURE
TYP. U.N.

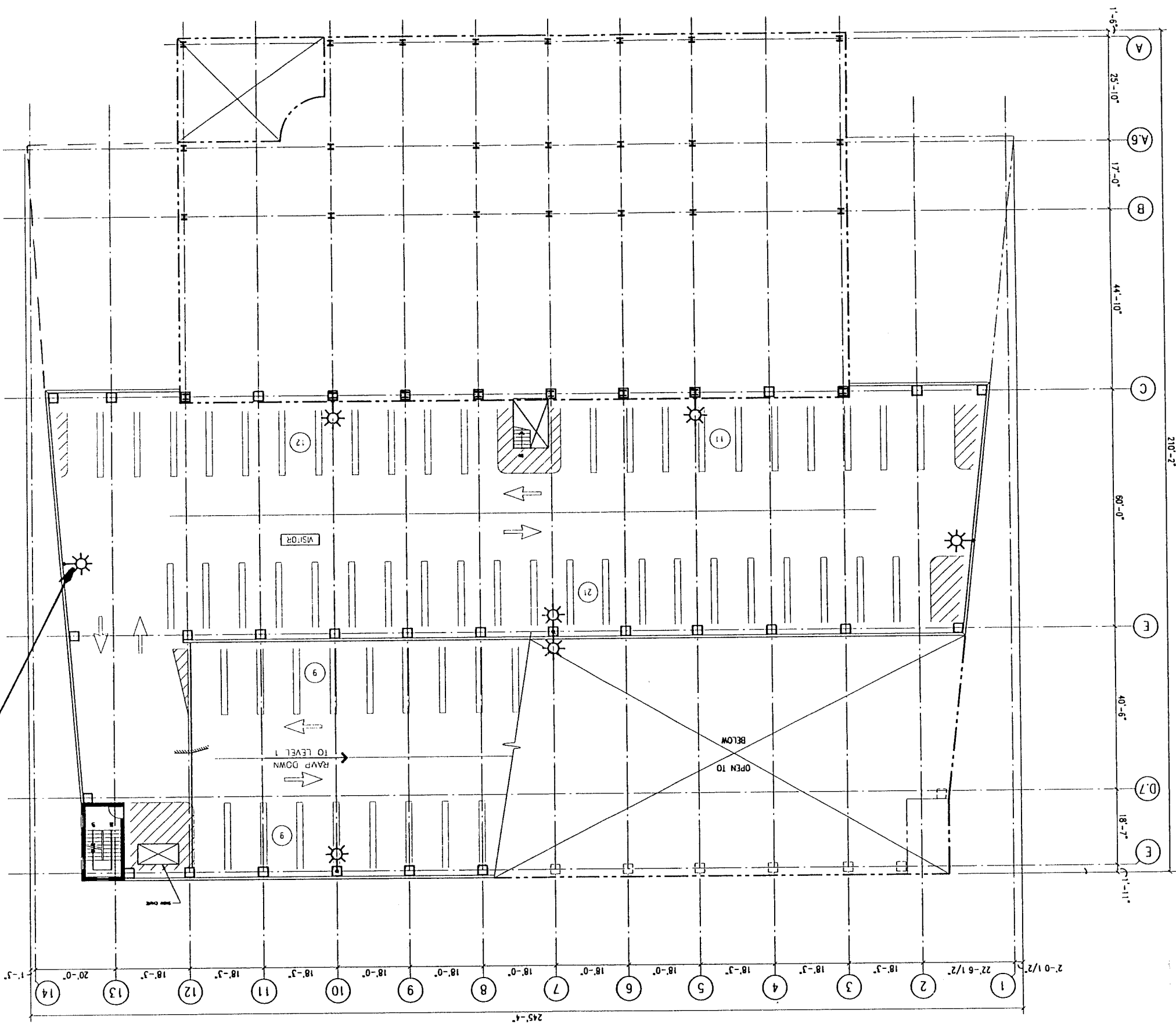
METAL HALIDE
FIXTURE @
STAIRS ONLY



LEVEL 1
LIGHTING LAYOUT

CARL WALKER, INC.
Nov. 24, 1997

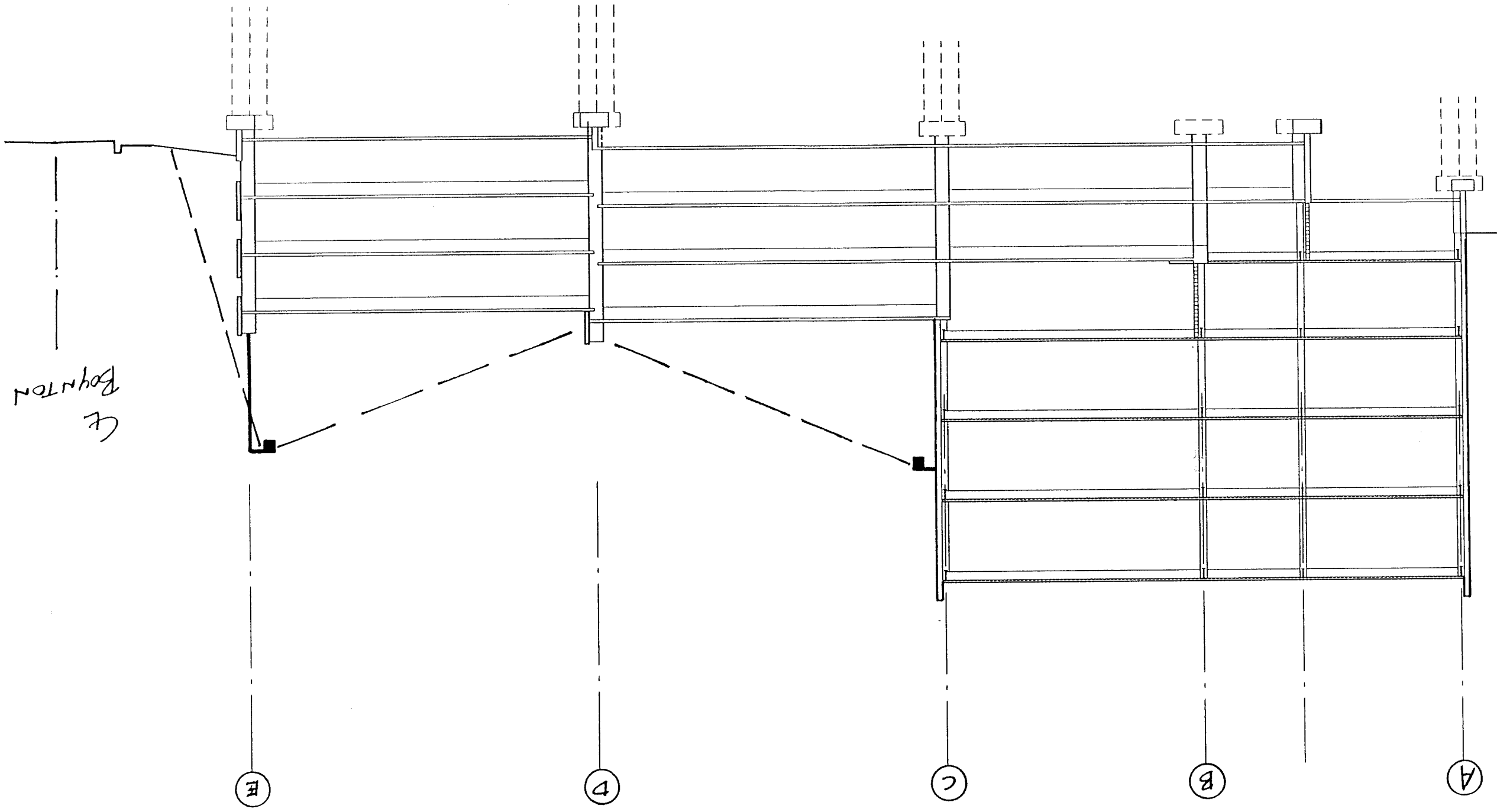
MAINE MEDICAL CENTER
2500.04



High Pressure Sodium fixture
Mounted on 20' Pole, Typ.
Provide Housing
Cut-off shield

LEVEL 2
LIGHTING Layout

SECTION @ LINES 5 AND 10



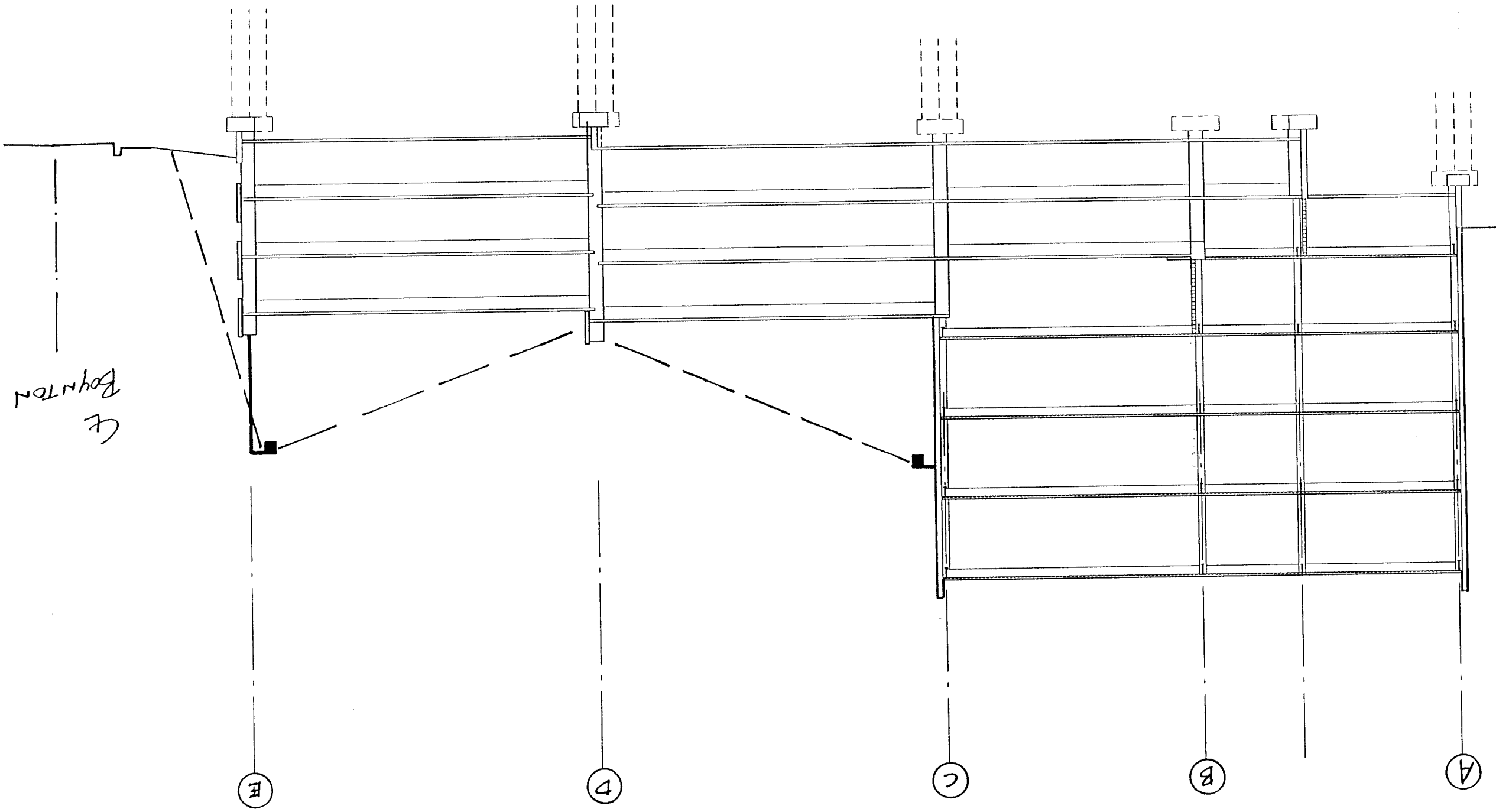
Ce
Boynston

Roof Level Lighting
- LIGHT DISTRIBUTION -

MAINE MEDICAL CENTER
3500.04

CARL WALKER, INC.
Nov. 25, 1997

SECTION @ LINES 5 AND 10

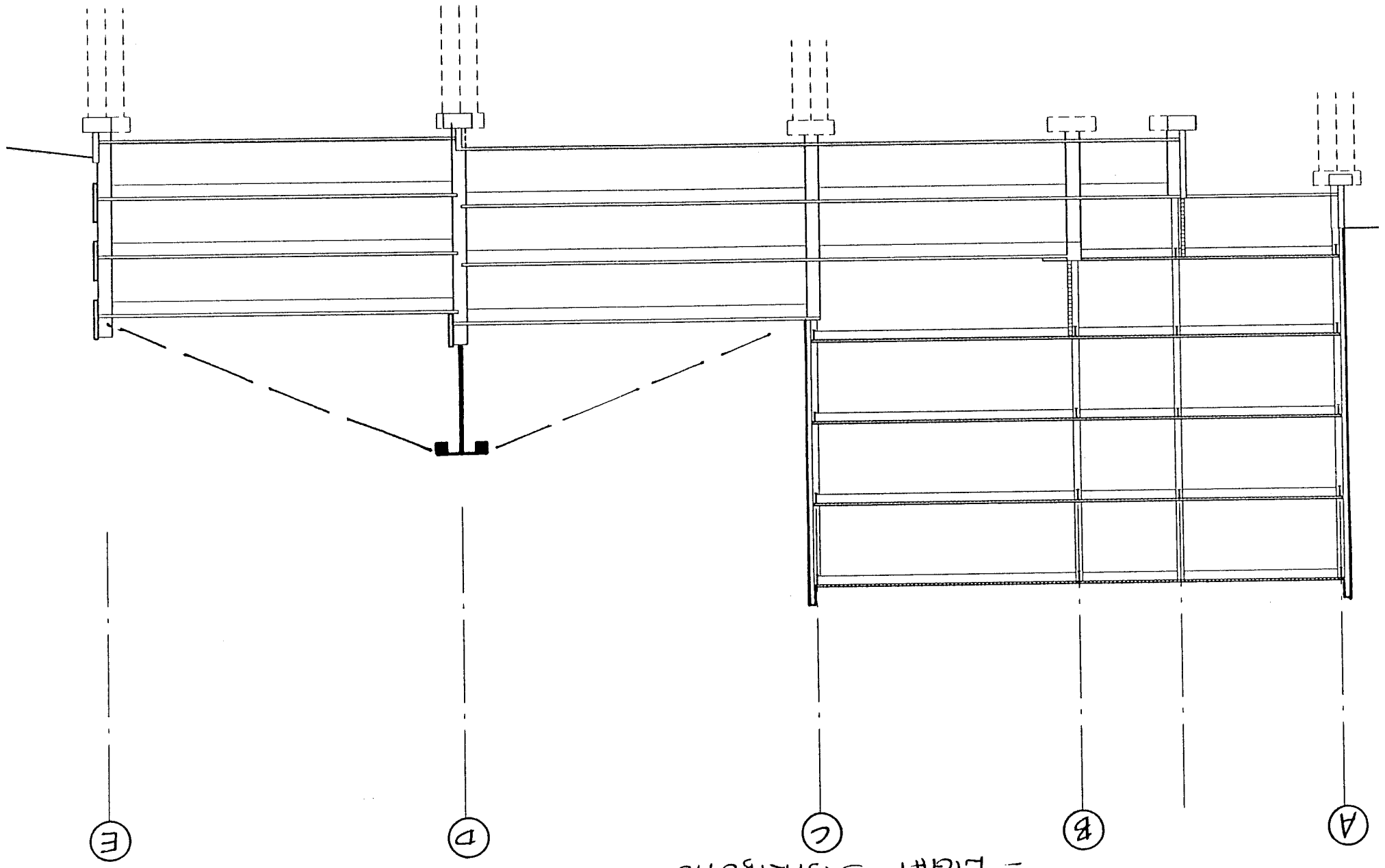


MAINE MEDICAL CENTER
3500.04

Roof Level Lighting - LIGHT DISTRIBUTION

CARL WALKER, INC.
Nov. 25, 1997

SECTION @ LINE 7

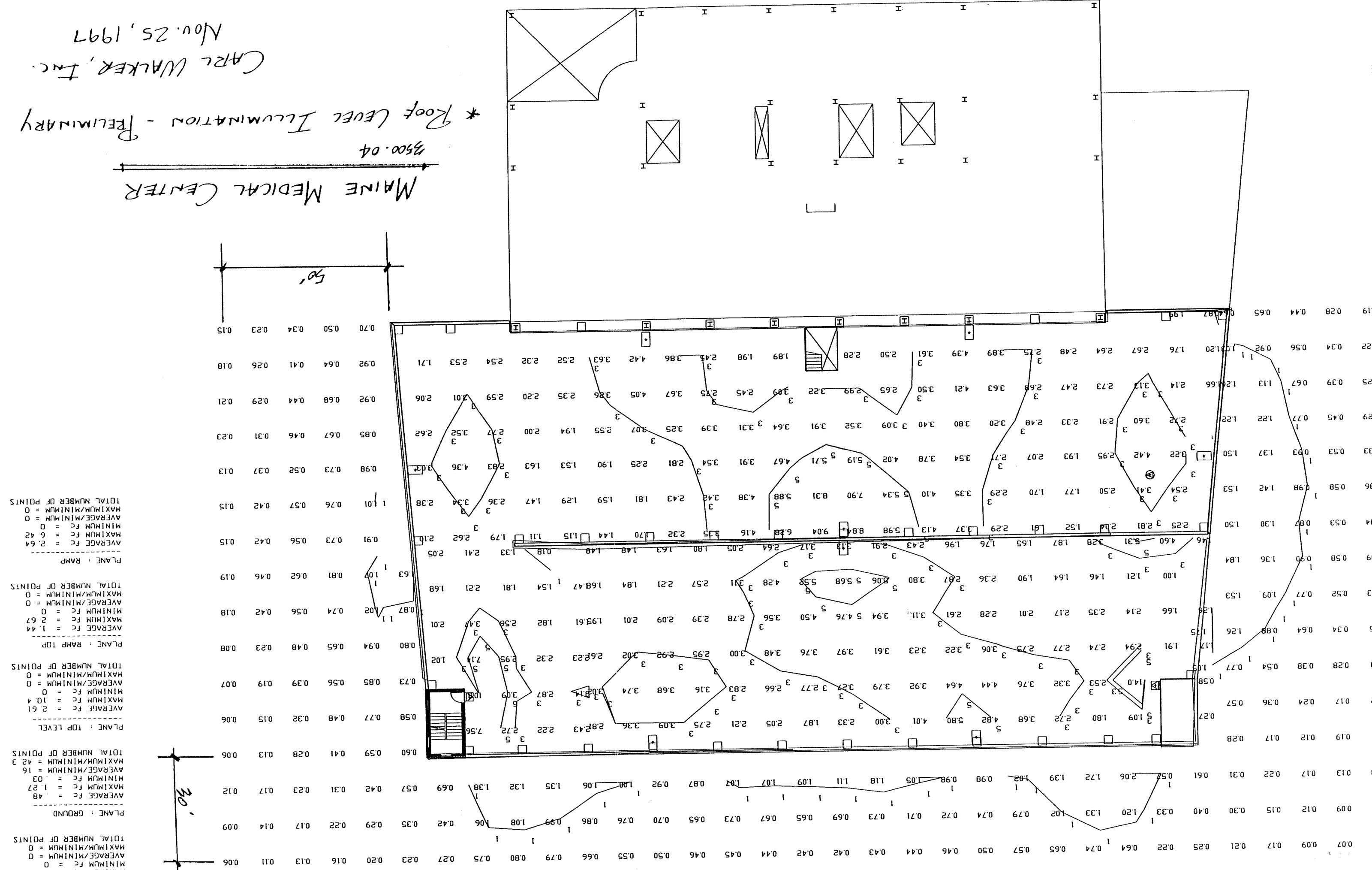


ROOF LEVEL LIGHTING

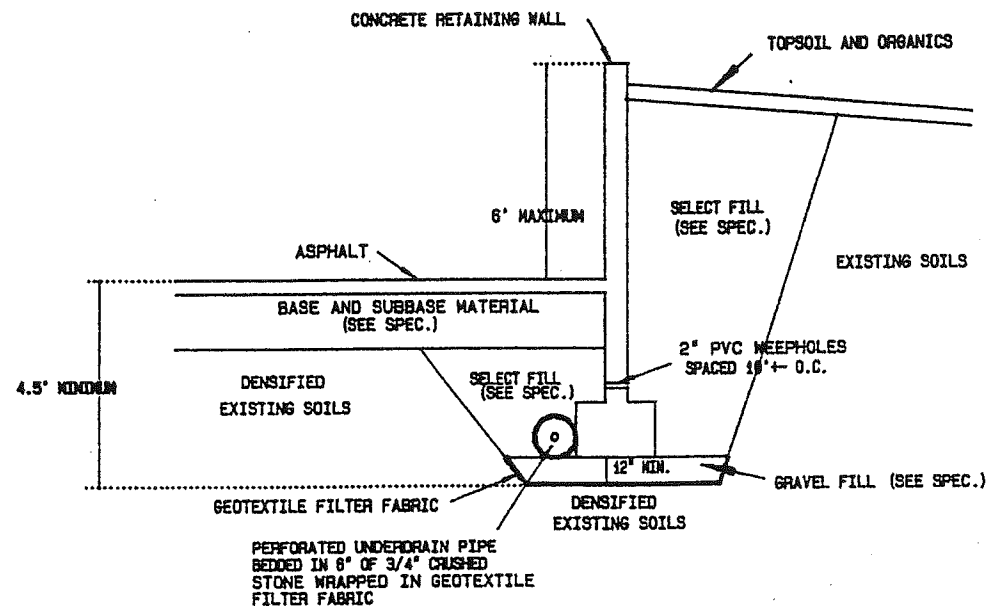
- LIGHT DISTRIBUTION -

CARL WALKER, Inc.
 Nov. 25, 1997
 * Root Level Illumination - Preliminary

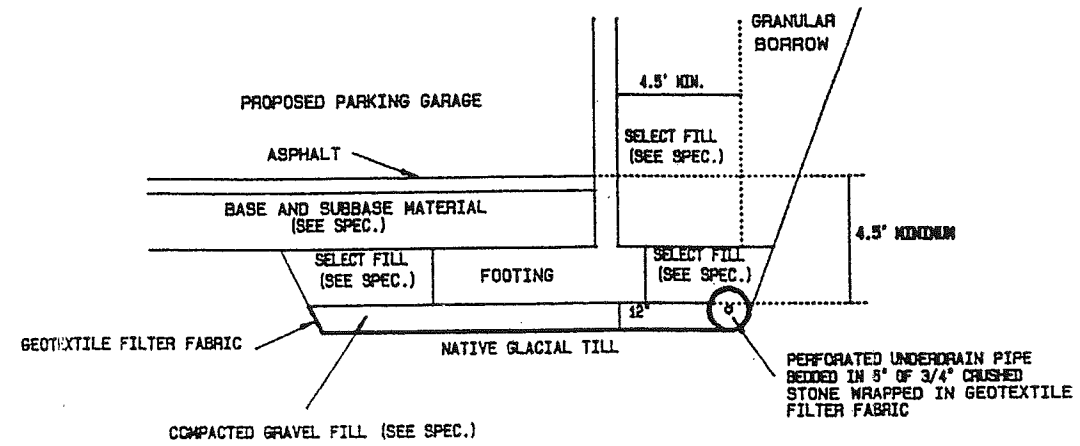
MAINE MEDICAL CENTER
 3500.04



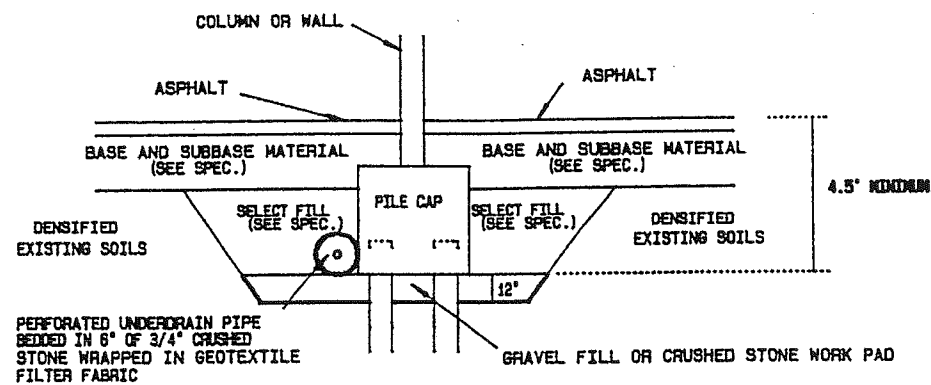
UNRESTRAINED RETAINING WALLS



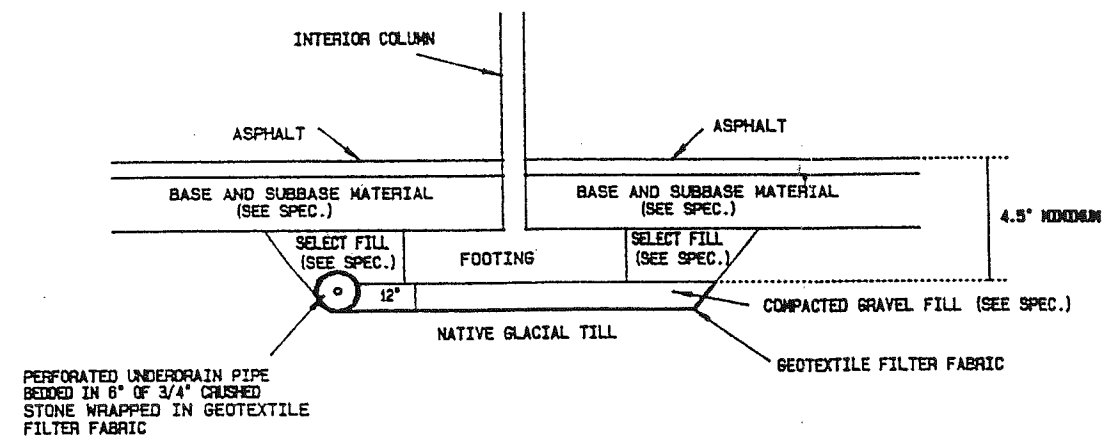
PERIMETER RETAINING WALL



PILE CAPS/ GRADE BEAMS



INTERIOR COLUMNS



S. W. COLE ENGINEERING, INC.
GEOTECHNICAL CONSULTANTS

MAINE MEDICAL CENTER
FOUNDATION DRAINAGE AND
BACKFILL DETAILS

PROPOSED MEDICAL OFFICE BUILDING
AND PARKING GARAGE
CONGRESS STREET PORTLAND, MAINE

JOB NO. : 96-043 S SCALE : NOT TO SCALE
DATE : 3/21/97 SHEET : 30

LEGEND
 ⊕ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

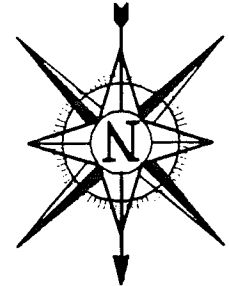
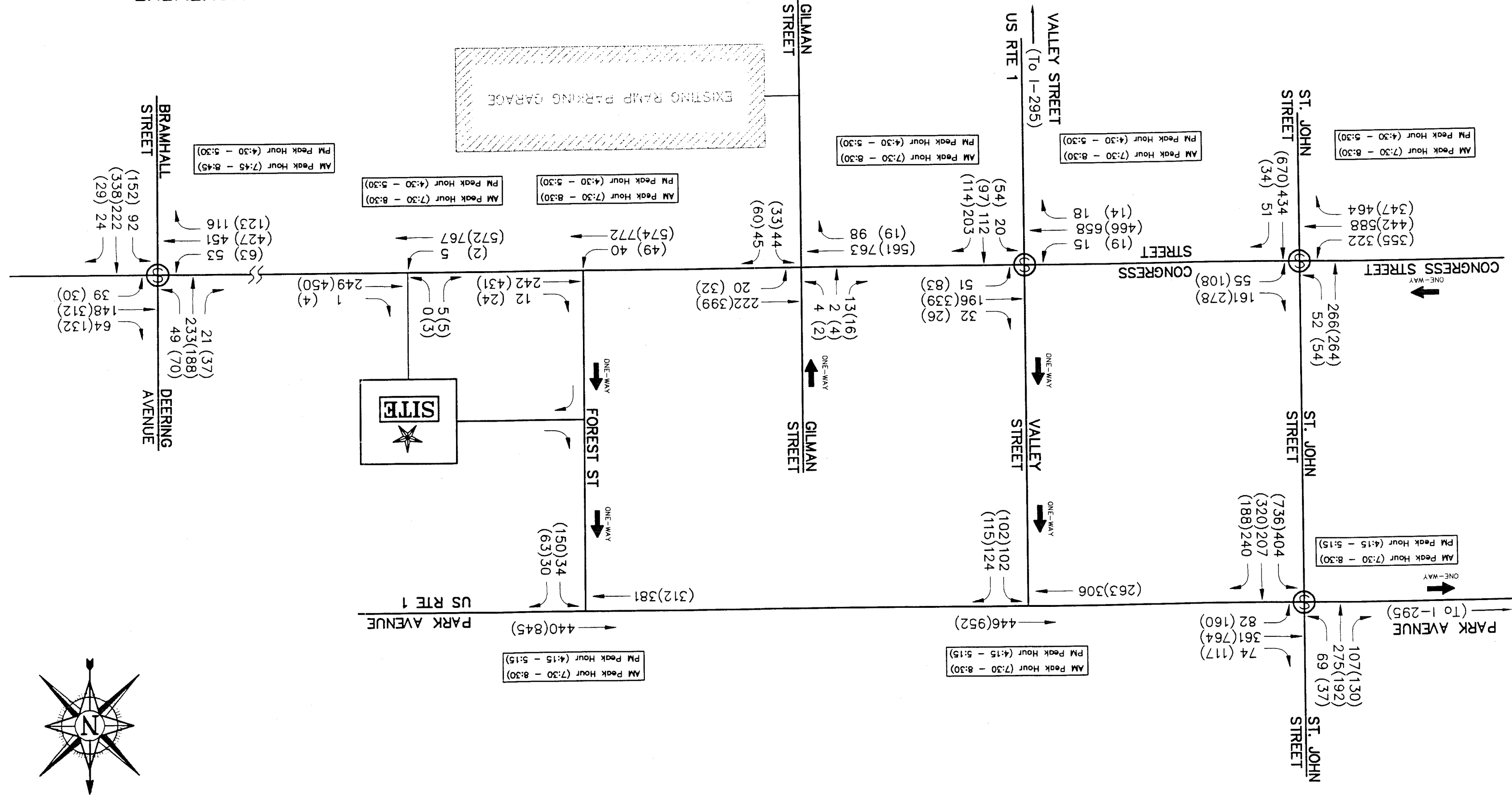
PREPARED FOR: MAINE MEDICAL CENTER
 PROJECT: MEDICAL OFFICE BUILDING
 LOCATION: PORTLAND, MAINE

Checked TLG Job No. 1471
 Drawn FAP Scale N.T.S.
 Designed MC Date JAN 1997

FIGURE 2

PREPARED BY: Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

EXISTING TURNING MOVEMENT

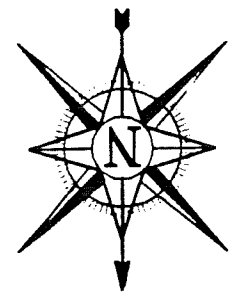
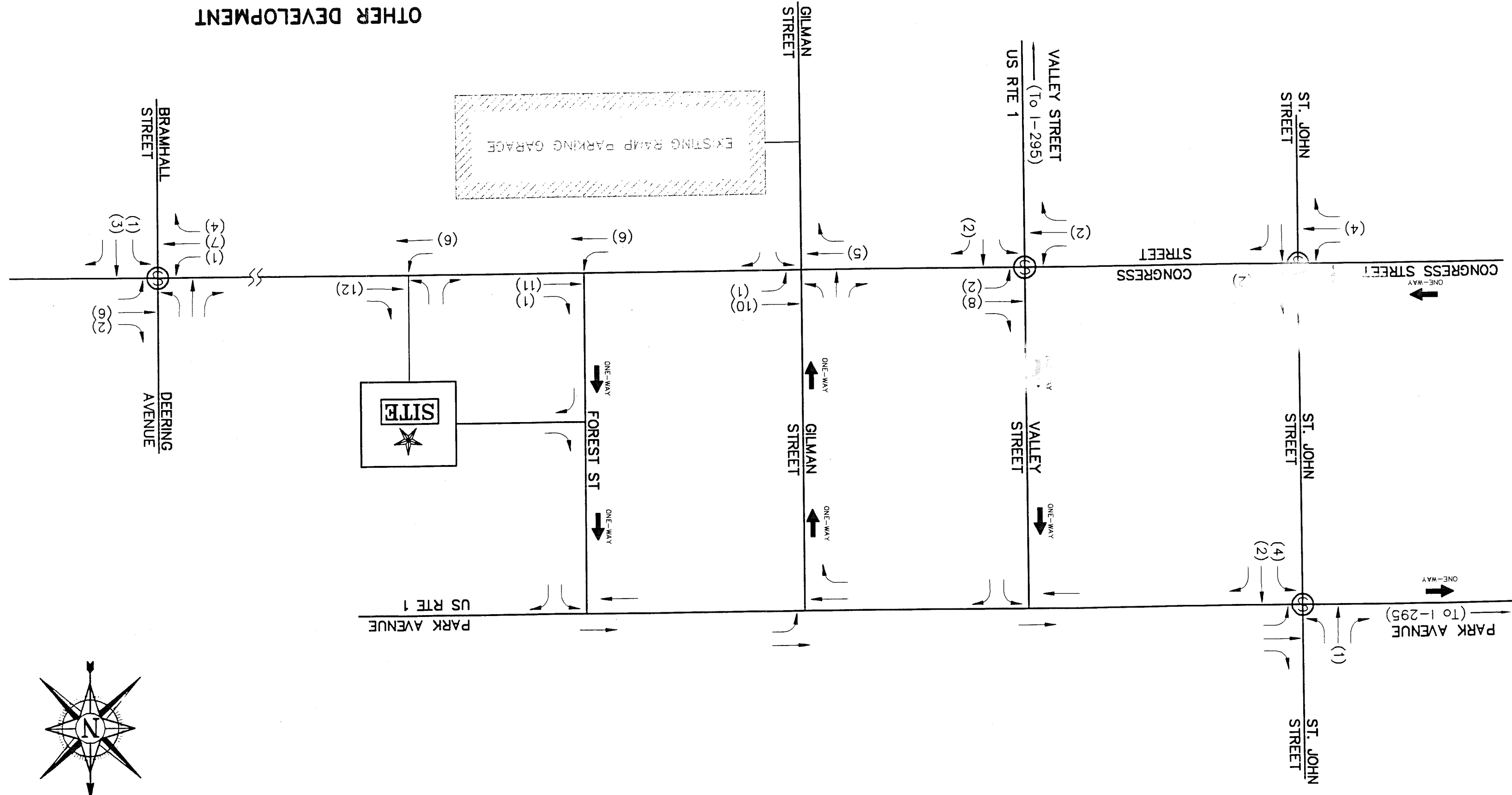


LEGEND
 (XX) = PM Peak Hour
 ⊕ Existing Traffic Signal

PREPARED FOR:	MAINE MEDICAL CENTER		
PROJECT:	MEDICAL OFFICE BUILDING		
LOCATION:	PORTLAND, MAINE		
Checked	TLG	Job No.	1471
Drawn	FAP	Scale	N.T.S.
Designed	MC	Date	JAN 1997

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

OTHER DEVELOPMENT
 HOLT HALL RENOVATION



LEGEND
 ⊕ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

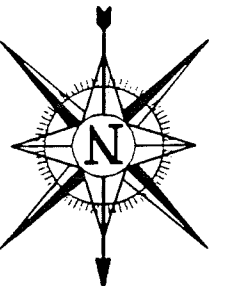
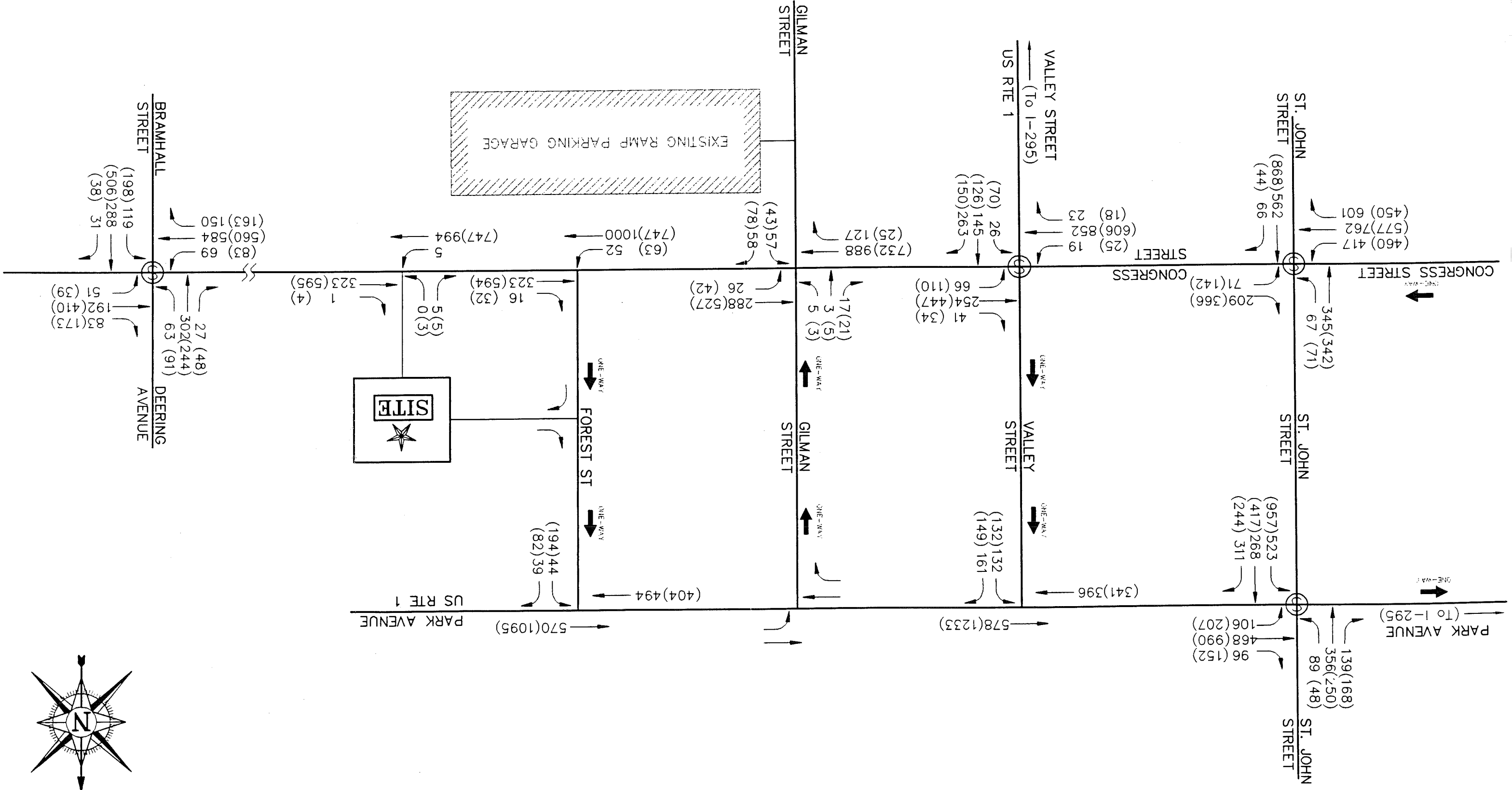
NOTE: This figure is based on the following:
 • Seasonal adjustment factor = $\frac{1.12}{0.88} = 1.27$
 • 2% annual growth rate
 • Other development - Holt Hall renovation

PREPARED FOR: MAINE MEDICAL CENTER
 PROJECT: MEDICAL OFFICE BUILDING
 LOCATION: PORTLAND, MAINE

Checked: TLG Job No. 1471
 Drawn: FAP Scale N.T.S.
 Designed: MC Date JAN 1997

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

1998 NO-BUILD CONDITION

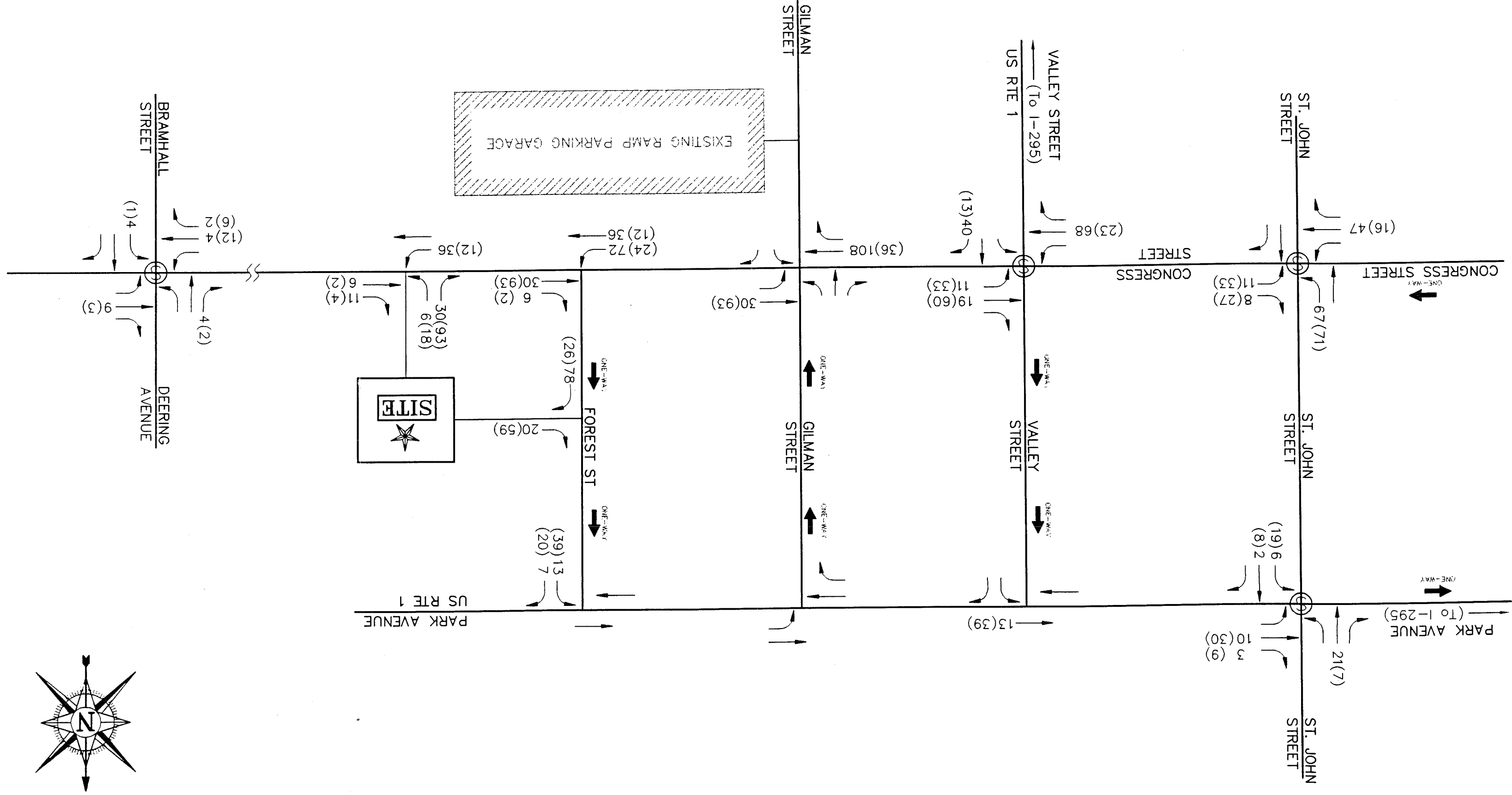


LEGEND
 ⊕ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

Proposed 49,150 s.f. Medical Office Building with 420 parking spaces

Period	Trip ends	In	Out
AM Peak	182	126	56
PM Peak	212	42	170

PROPOSED TRIP ASSIGNMENT

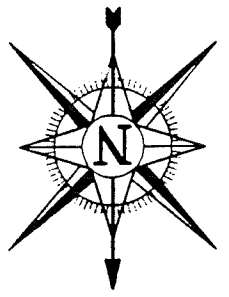


P-SPARED FOR: MAINE MEDICAL CENTER
PROJECT: MEDICAL OFFICE BUILDING
LOCATION: PORTLAND, MAINE

Designed MC Date JAN 1997
 Drawn FAP Scale N.T.S.
 Checked TLG Job No. 1471

Delucc-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

FIGURE 51



LEGEND
 ⊙ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

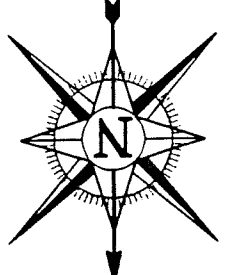
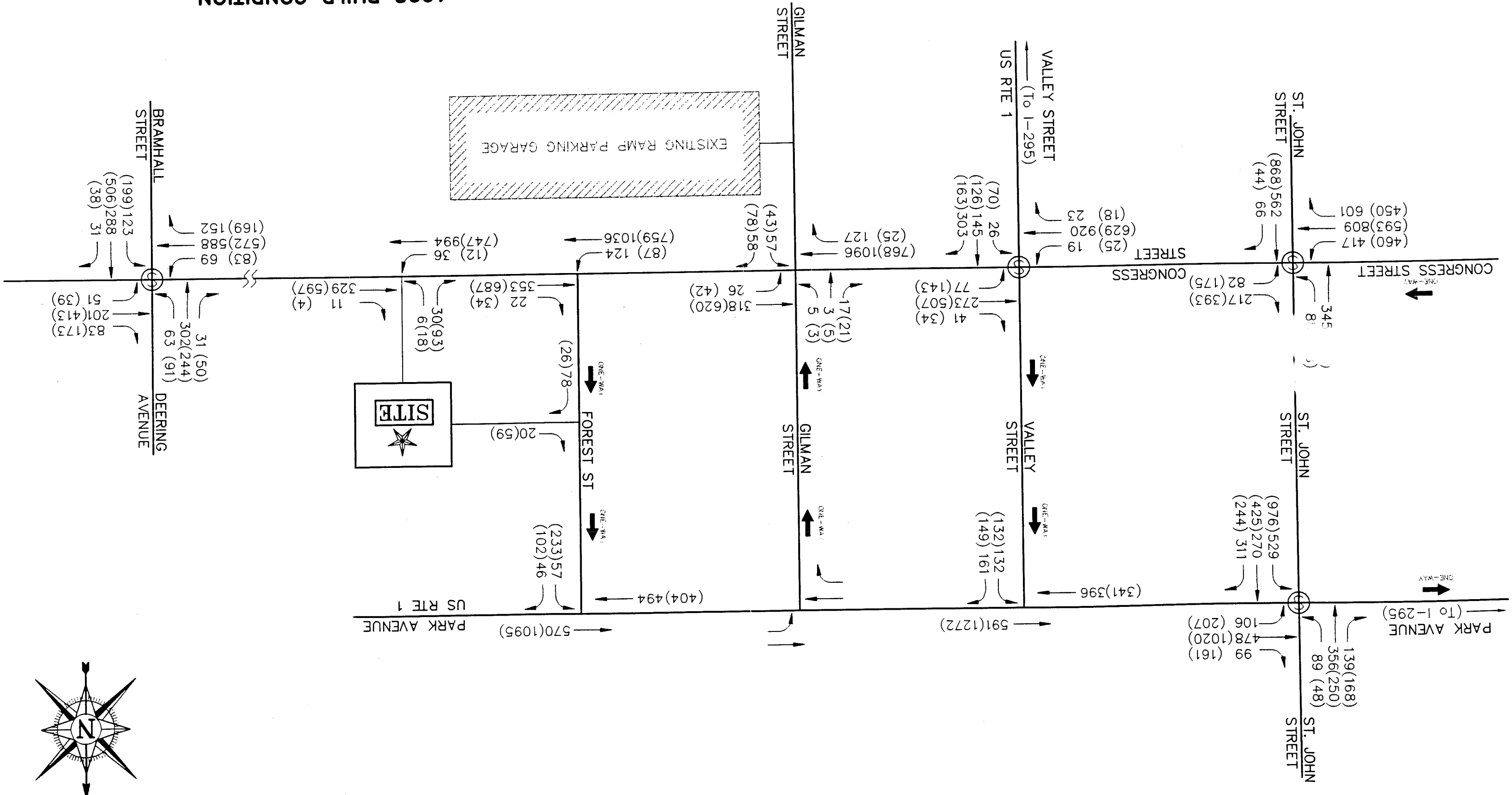
PREPARED FOR: **MAINE MEDICAL CENTER**
 PROJECT: **MEDICAL OFFICE BUILDING**
 LOCATION: **PORTLAND, MAINE**

Checked TLG Job No. 1471
 Drawn FAP Scale N.T.S.
 Designed MC Date JAN 1997

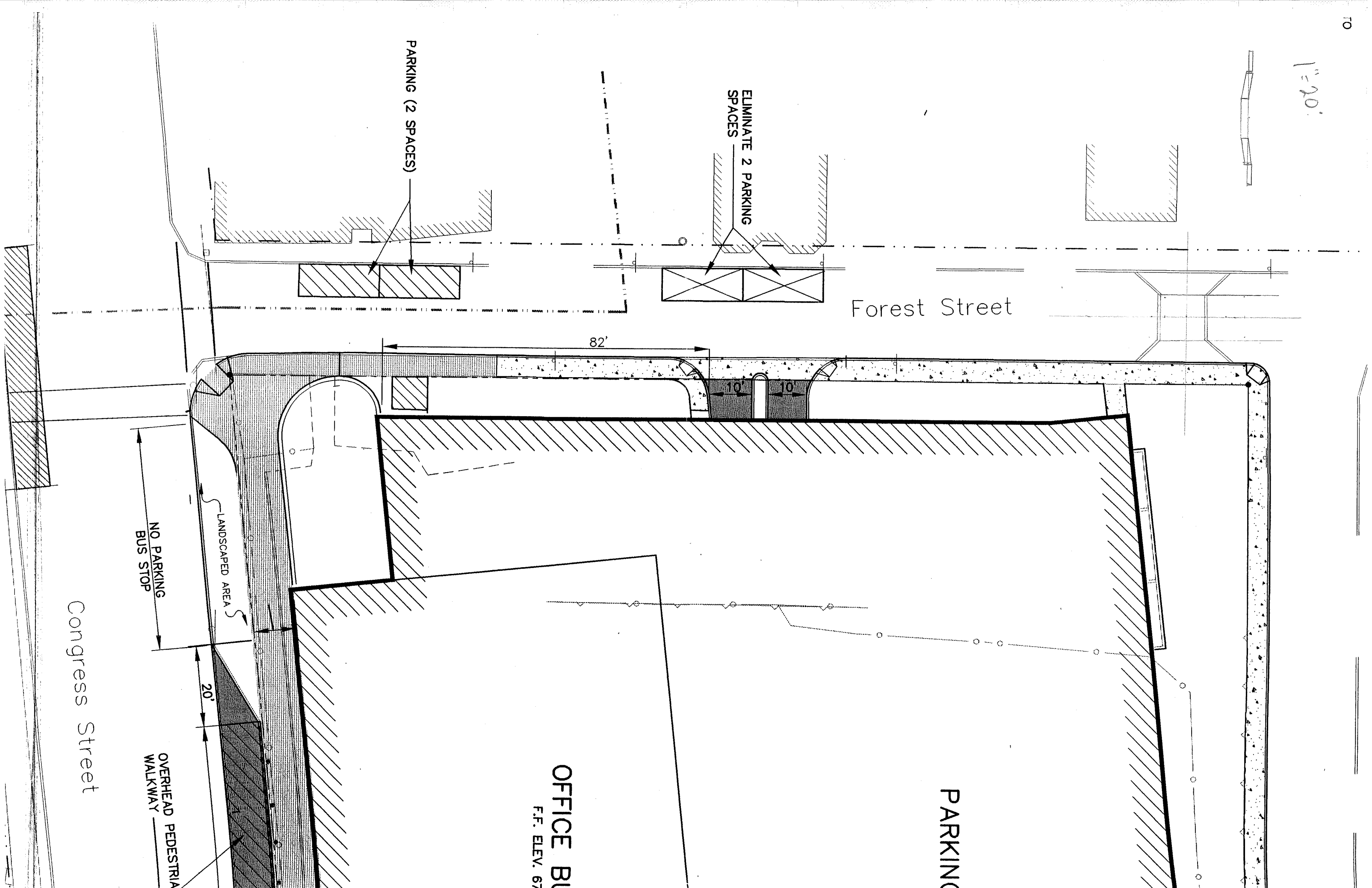
Deluca-Horiman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

FIGURE **6**

1998 BUILD CONDITION



1"=20'



LEGEND
 ⊕ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

Rev	Date	Description
2	12/31/97	REVISED 1999 POST-DEVELOPMENT BASED ON MDOT COMMENTS
1	12/22/97	REVISED 1999 POST-DEVELOPMENT VOLUMES

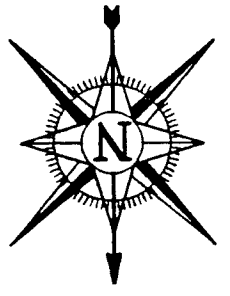
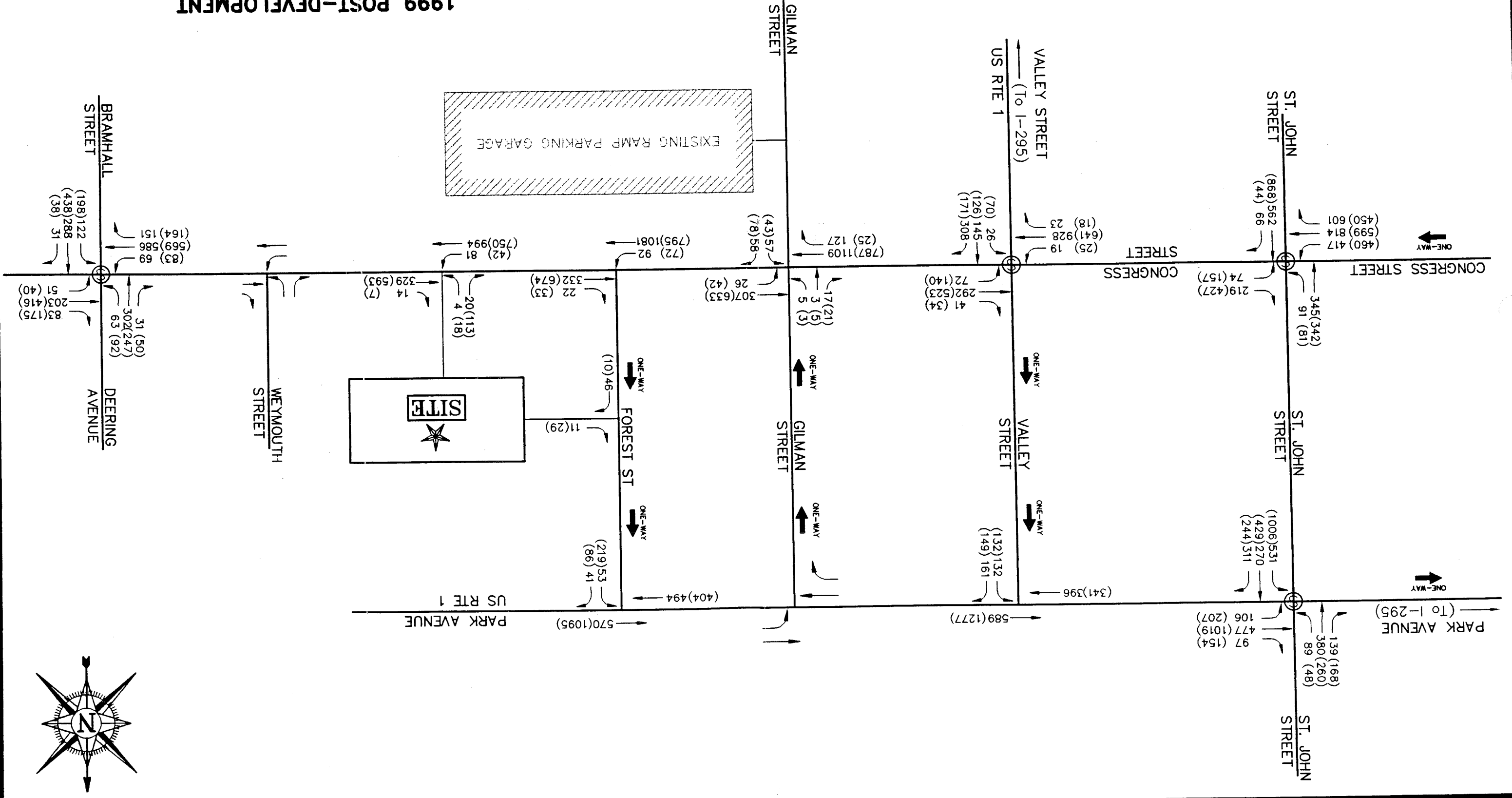
PREPARED FOR: MAINE MEDICAL CENTER
PROJECT: MEDICAL OFFICE BUILDING
LOCATION: PORTLAND, MAINE

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

Designed MC Date JAN 1998
 Drawn FAP Scale N.T.S.
 Checked TLO Job No. 1471.1

FIGURE 6

1999 POST-DEVELOPMENT



LEGEND
 ⊙ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

Proposed 49,150 s.f. Medical Office Building with 430 parking spaces		Period	Trip ends	In	Out
AM Peak	176	141	35		
PM Peak	219	59	160		

NOTE: This figure is based on parking levels of 248 occupied spaces from Congress Street and 182 occupied spaces from Forest Street.

Rev	Date	Description
2	12/31/97	REVISED PROPOSED TRIP ASSIGNMENT BASED ON MDOT COMMENTS
1	12/22/97	REVISED PROPOSED TRIP ASSIGNMENT VOLUMES

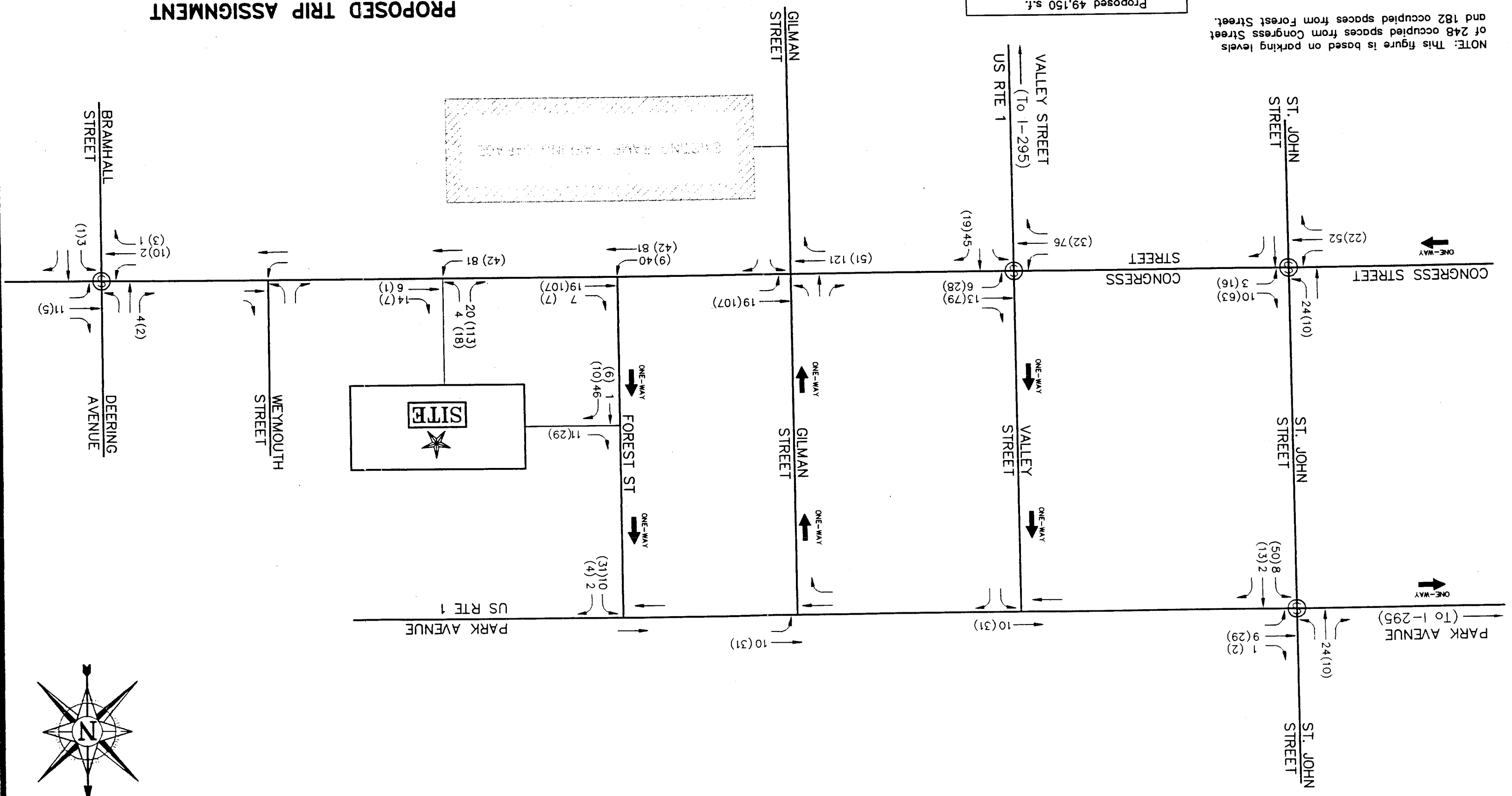
PREPARED FOR: MAINE MEDICAL CENTER
PROJECT: MEDICAL OFFICE BUILDING
LOCATION: PORTLAND, MAINE

Checked: TLG Job No. 1471.1
 Drawn: FAP Scale: N.T.S.
 Designed: MC Date: JAN 1998

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

FIGURE 5

PROPOSED TRIP ASSIGNMENT



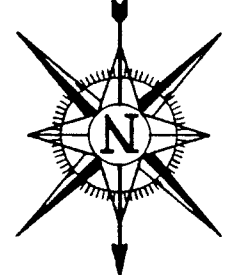
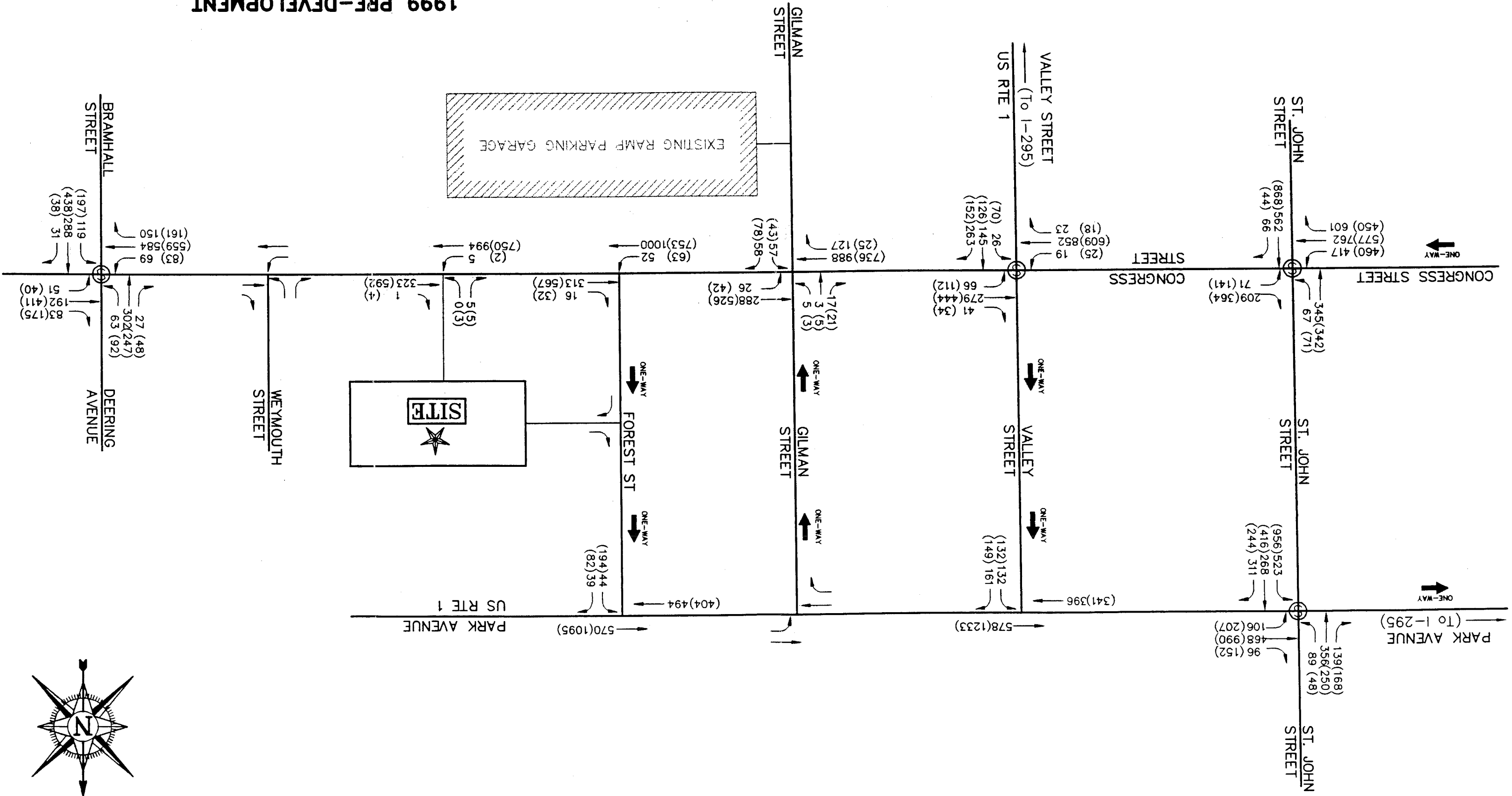
LEGEND
 ⊕ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

- Seasonal Adjustment Factor = $\frac{1.12}{0.88} = 1.27$
- 1% Annual Growth Rate
- Other Development - Holt Hall renovation

NOTE: This figure is based on the following:

1999 PRE-DEVELOPMENT

PREPARED FOR: MAINE MEDICAL CENTER	PROJECT: MEDICAL OFFICE BUILDING	LOCATION: PORTLAND, MAINE
Deluca-Hoffman Associates, Inc. Consulting Engineers 778 Main Street South Portland, Maine 04106 207-775-1121	Designed MC Date JAN 1998	Drawn FAP Scale M.T.S.
Checked TLO Job No. 1471.1	FIGURE 4	

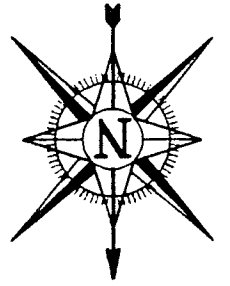
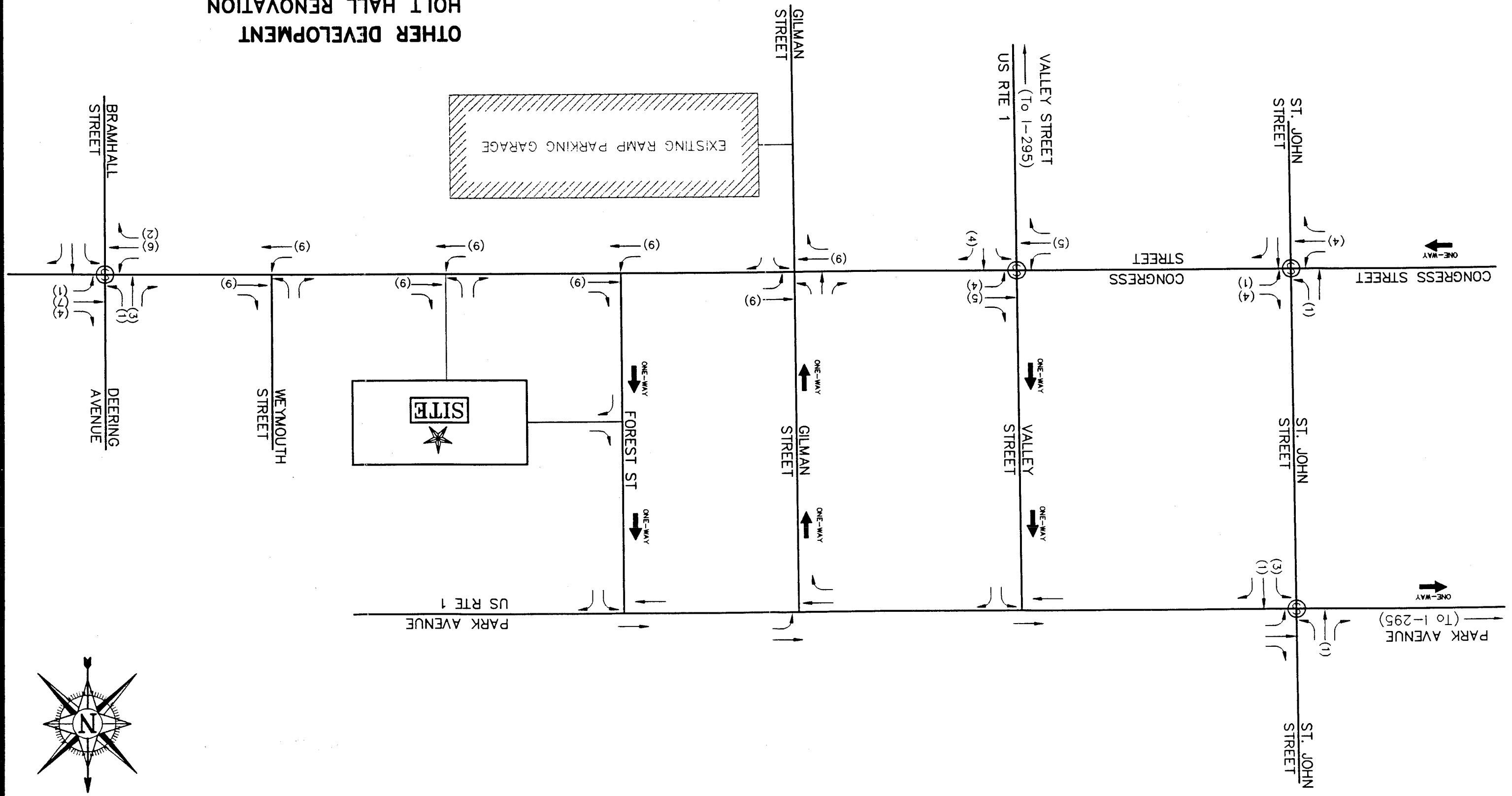


LEGEND
 ⊙ Existing Traffic Signal
 (XX) = PM Peak Hour

PREPARED FOR:	MAINE MEDICAL CENTER
PROJECT:	MEDICAL OFFICE BUILDING
LOCATION:	PORTLAND, MAINE
Checked TLO	Job No. 1471.1
Drawn FAP	Scale M.T.S.
Designed MC	Date JAN 1998
FIGURE 3	

Deluca-Hoffman Associates, Inc.
 Consulting Engineers
 778 Main Street
 South Portland, Maine 04106
 207-775-1121

OTHER DEVELOPMENT
 HOLT HALL RENOVATION



LEGEND
 ⊕ Existing Traffic Signal
 XX = AM Peak Hour
 (XX) = PM Peak Hour

PREPARED FOR: **MAINE MEDICAL CENTER**
 PROJECT: **MEDICAL OFFICE BUILDING**
 LOCATION: **PORTLAND, MAINE**

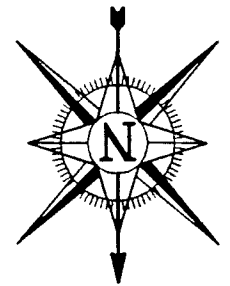
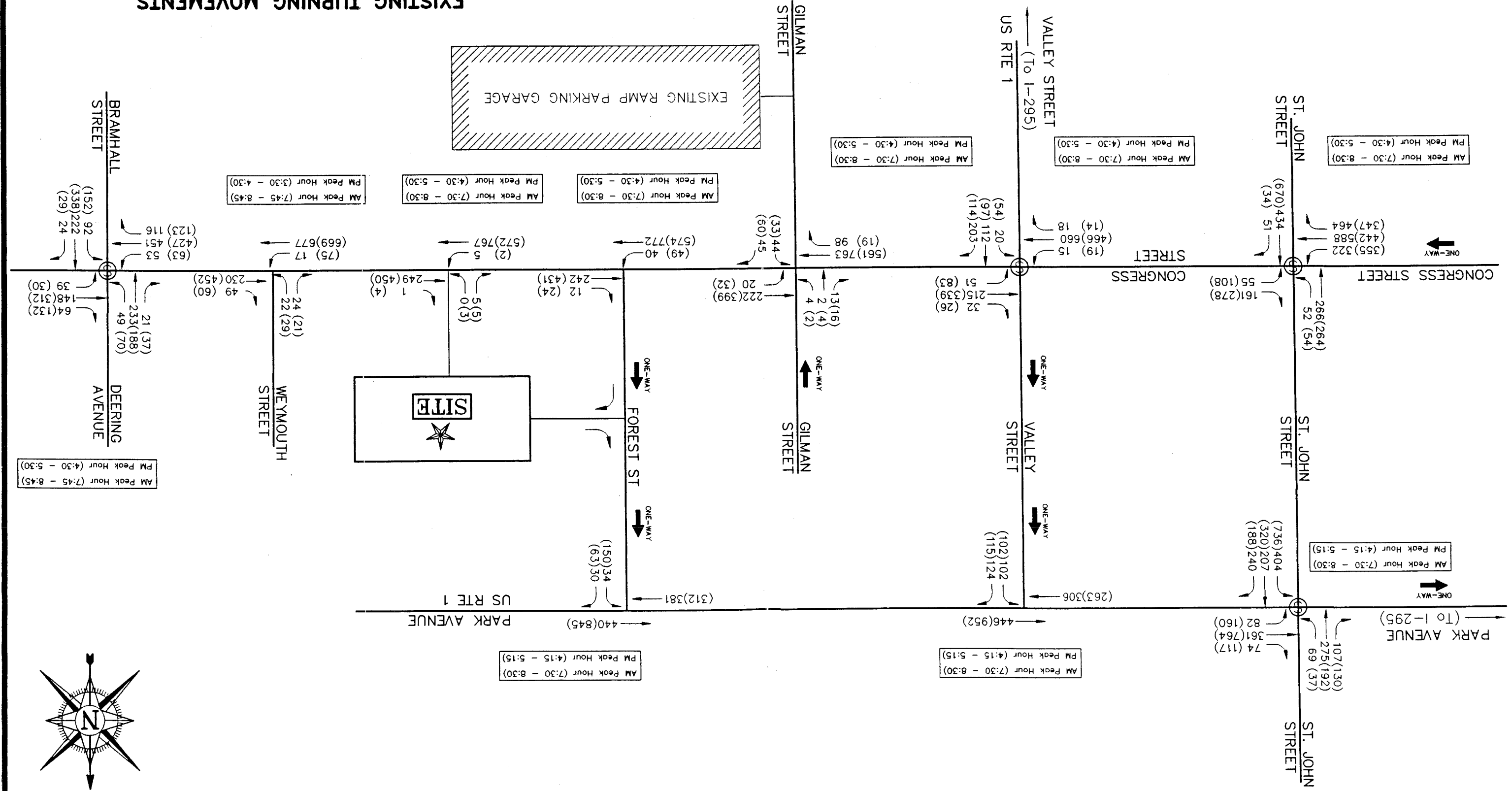
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 Drawn: FAP
 Designed: MC
 Date: JAN 1998

Job No. 1471.1
 Scale: N.T.S.
 Date: JAN 1998

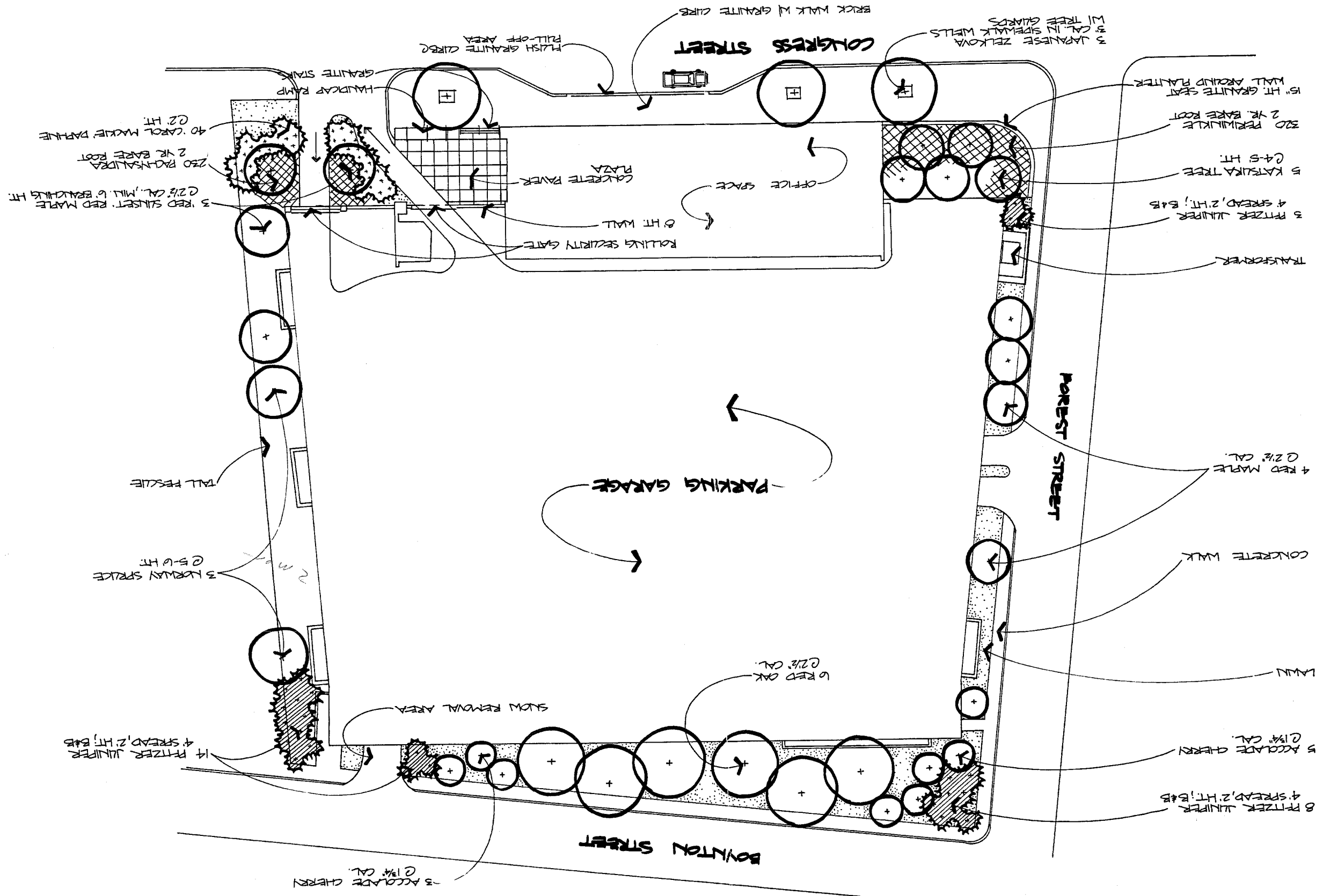
FIGURE 2

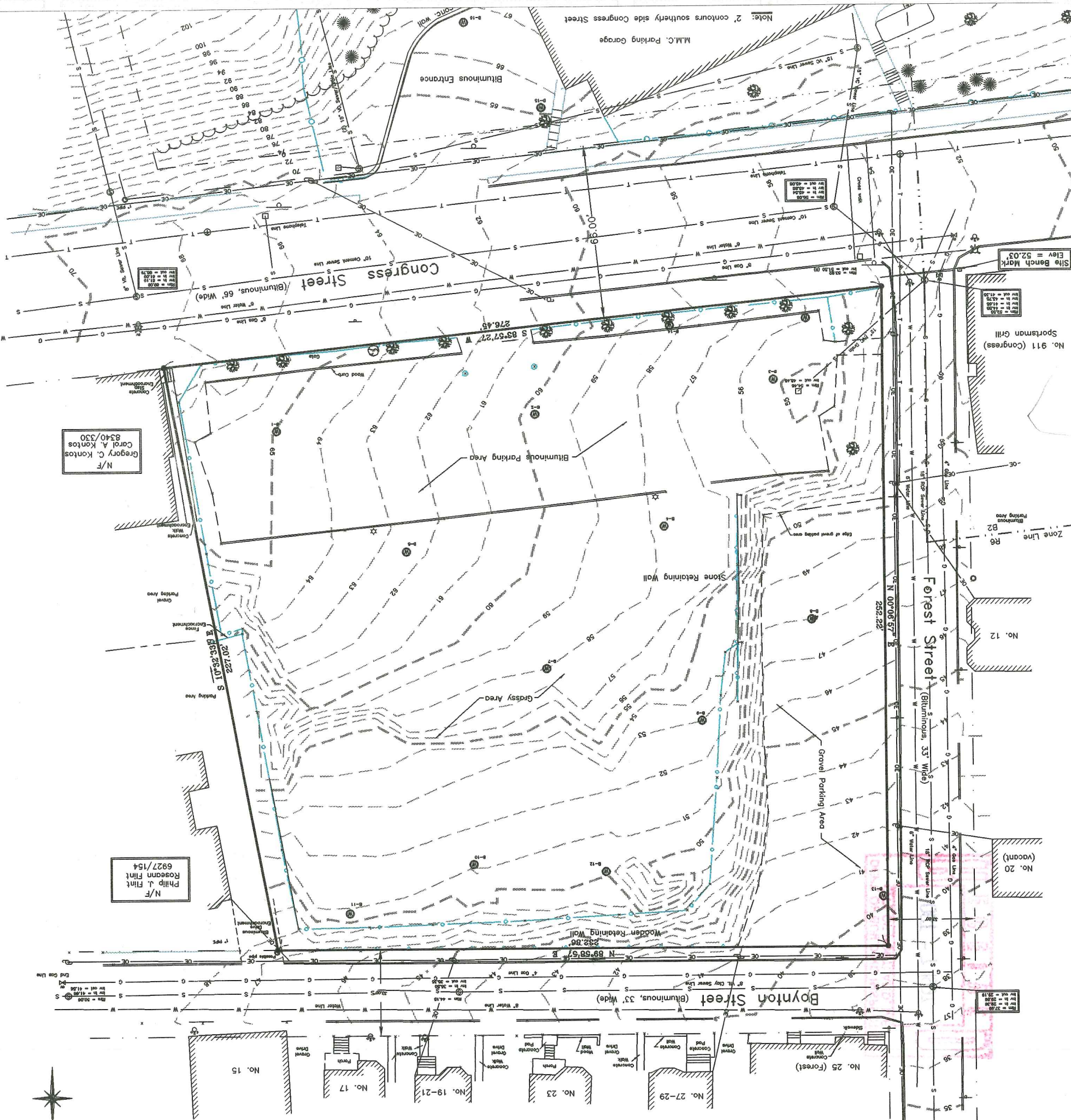
778 Main Street
 Consulting Engineers
 South Portland, Maine 04106
 207-775-1121
 Deluca-Hoffman Associates, Inc.

EXISTING TURNING MOVEMENTS



MMC PARKING GARAGE
 PLANTING PLAN
 100% DESIGN DEVELOPMENT
 CONGRESS ST, PORTLAND, ME
 1/16" = 1'-0"
 MOHR & SEREDA LANDSCAPE ARCHITECTS, LLC
 OCTOBER 21, 1997





NOTES

(1) Bearings are referenced to magnetic north 1996.

(2) Elevations are referenced to City of Portland Datum. Location of Bench Mark: Bolt set in granite monument located at the northeast corner of Elsworth Street and Chimes Street. Elevation = 140.39 feet.

(3) Location and description of utilities are approximate and are based on field location and the referenced plans. Prior to construction the appropriate utility companies should be contacted for the exact location and description. The locations shown on this plan are based on the best information available and may not be all inclusive.

AREA
60,650 square feet
1.39 Acres square feet

OWNER OF RECORD
Maine Medical Center
10488/22 and 10488/19

ZONING
ZONE: R6

REFERENCES

1. City of Portland, Department of Public Works, Right of Way Plan, dated February, 1926.
2. City of Portland, Department of Public Works, Right of Way Plan, dated March, 1926.
3. City of Portland, Department of Public Works, Right of Way Plan, dated October, 1925.
4. City of Portland, Department of Public Works, Right of Way Plan, dated December, 1925.
5. Plan of Property in Portland Maine, made for Charles P. Wernig, by Robert J. Orr, dated September 1, 1933, recorded in Plan Book 193, pages 251.
6. Plan of Mead and Banks Property, Portland, Maine, dated December 2, 1905, recorded in Plan Book 10, Page 135.
7. Grading and Utility Plan, Maine Medical Center, Congress Street Parking Lot, by T.Y. Lin, dated July 1, 1986.
8. Portland Sewer System Infiltration-Inflow Analysis, Study area IV, Sheet IV-16, dated August 1, 1988.
9. Portland Sewer System Infiltration-Inflow Analysis, Study area IV, Sheet IV-17, dated November 7, 1985.
10. Forest Street Reconstruction, City of Portland, Department of Public Works, dated April, 1993. City of Portland Plan Reference 923/1.
11. Boynton Street Reconstruction, City of Portland, Department of Public Works, dated August, 1991. City of Portland Plan Reference 945/3.
12. Proposed Site Sanitary and Storm Drainage, made for Maine Medical Center, by Smith, Smith, Hennes and Washburn, dated November 8, 1985. City of Portland Plan Reference 666/6.
13. M.M.C. Parking Facility, Proposed Grading Plan, made for Maine Medical Center, by T.Y. Lin, dated May 29, 1971 and revised June 22, 1971, on file at the City of Portland, Department of Public Works.
14. Portland Water District, Sheet 7, dated September 12, 1996, on file at Portland Water District.
15. New England Telephone, Underground Utility Plan, on file at New England Telephone.
16. Northern Utilities, Gas Main Locations, Sheets 64 and 65, on file at Northern Utilities.
17. City of Portland, Tax Map 63, Lots 1-6, 12-15

Description

A certain lot or parcel of land situated on the northern side of Congress Street, in the City of Portland, County of Cumberland, and State of Maine, bounded and described as follows:

Beginning at a 5/8" capped iron rebar set at the intersection of northernly sideline of Congress Street and the easterly sideline of Forest Street. Thence:

(1) N 00°06'57" E by said sideline of Congress Street a distance of Two Hundred Fifty-two and 22/100 (252.22) feet to a 5/8" capped iron rebar set and the southernly sideline of Boynton Street.

(2) N 82°58'57" E by said sideline of Boynton Street a distance of Two Hundred Thirty-two and 86/100 (232.86) feet to a 5/8" capped iron rebar set and the southerly corner of land of Philip J. Flint and Roseann Flint as described in a deed recorded in said Cumberland County Registry of Deeds in Book 6927, Page 154.

(3) S 10°32'33" E by land of said Philip J. Flint and Roseann Flint and by land now or formerly of Gregory C. Kontos as described in a deed recorded in said Cumberland County Registry of Deeds in Book 8340, Page 330, a distance of Two Hundred Twenty-seven and 02/100 (227.02) feet to a 5/8" capped iron rebar set and the northerly sideline of said Congress Street.

(4) S 83°57'27" W by said sideline of Congress Street a distance of Two Hundred Seventy-six and 45/100 (276.45) feet and the point of beginning.

Bearings are referenced to magnetic north 1996.

The above described parcel contains 60,650 square feet and being the same as described in Existing Conditions Book 19, Page 19. Reference is herein made to a plan entitled "Maine Medical Center, Congress Street Parking Lot" made for Maine Medical Center, dated January 16, 1997.

EXCEPTIONS:

(1) This survey conforms to the current standards of the Maine State Board of Licensure for Land Surveyors for Category I, Condition II, except as noted.

(2) MADE FOR
MAINE MEDICAL CENTER
CONGRESS STREET PARKING LOT
22 BRAMHALL STREET
PORTLAND, MAINE

(3) BOOK# 5878
DISC# 492/88
FILE# 7402

Legend

- Iron Pin Found
- Iron Pin Set (capped 5/8" rebar)
- Gravite Monument Found
- New or Formerly
- Utility Pole
- Sign
- Telephone Manhole
- Sewer Manhole
- Drain Manhole
- Water Valve
- Deciduous Tree
- Conifer Tree
- Existing Building
- Edge of Pavement
- Catch Basin
- Existing Contour
- Sewer Line
- Drain Line
- Gas Line
- Overhead Wires
- Underground Telephone
- Electric Manhole
- Underground Electric
- Curb
- Water Line
- Boring Location
- Chain Link Fence
- Right of Way

ITICOMB ASSOCIATES

Portland North Business Park
Lancaster, Maine 04103

BOOK# 5878
DISC# 492/88
FILE# 7402

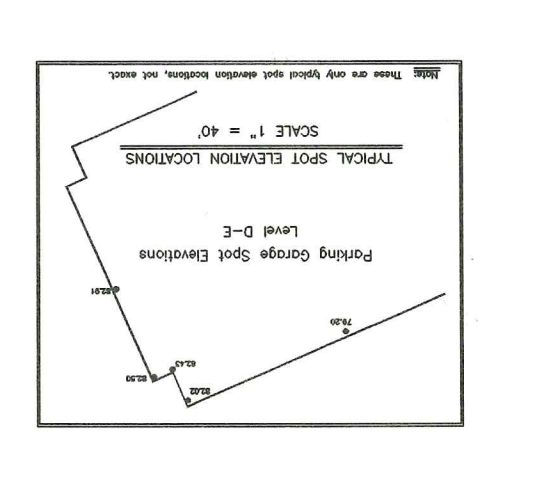
DATE: 01/16/96
SCALE: 1"=20'

JOB# 96118

MADE FOR
MAINE MEDICAL CENTER
CONGRESS STREET PARKING LOT
22 BRAMHALL STREET
PORTLAND, MAINE

DATE: 01/16/96
SCALE: 1"=20'

BOOK# 5878
DISC# 492/88
FILE# 7402



Parking Garage Spot Elevations

Level	Elevation
D-E	79.20 82.02 82.43 82.50 82.91
F-G	88.17 92.12 92.08 92.33 92.83
H-I	97.88 102.29 102.06 102.37 103.03
J-K	108.65 112.29 112.14 122.31 113.07
L-M	118.91 122.21 122.05 122.35 122.99
N-O	128.22 132.22 132.00 132.21 132.84
P-Q	138.22 142.10 142.11 142.19 142.89
R-S	149.19 152.14 152.07 152.09 153.09

ATTACHMENT B-1

LEGEND

- Iron Pin Found
- Iron Pin Set (capped 5/8" rebar)
- Gravite Monument Found
- New or Formerly
- Utility Pole
- Sign
- Telephone Manhole
- Sewer Manhole
- Drain Manhole
- Water Valve
- Deciduous Tree
- Conifer Tree
- Existing Building
- Edge of Pavement
- Catch Basin
- Existing Contour
- Sewer Line
- Drain Line
- Gas Line
- Overhead Wires
- Underground Telephone
- Electric Manhole
- Underground Electric
- Curb
- Water Line
- Boring Location
- Chain Link Fence
- Right of Way



SHEET NO.

PROJECT NO.
5195

APPROVED BY

DRAWN BY RF

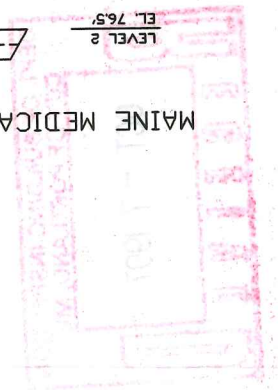
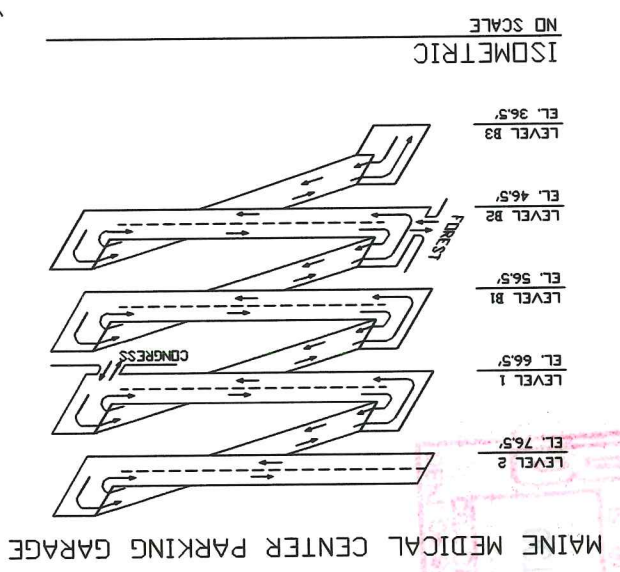
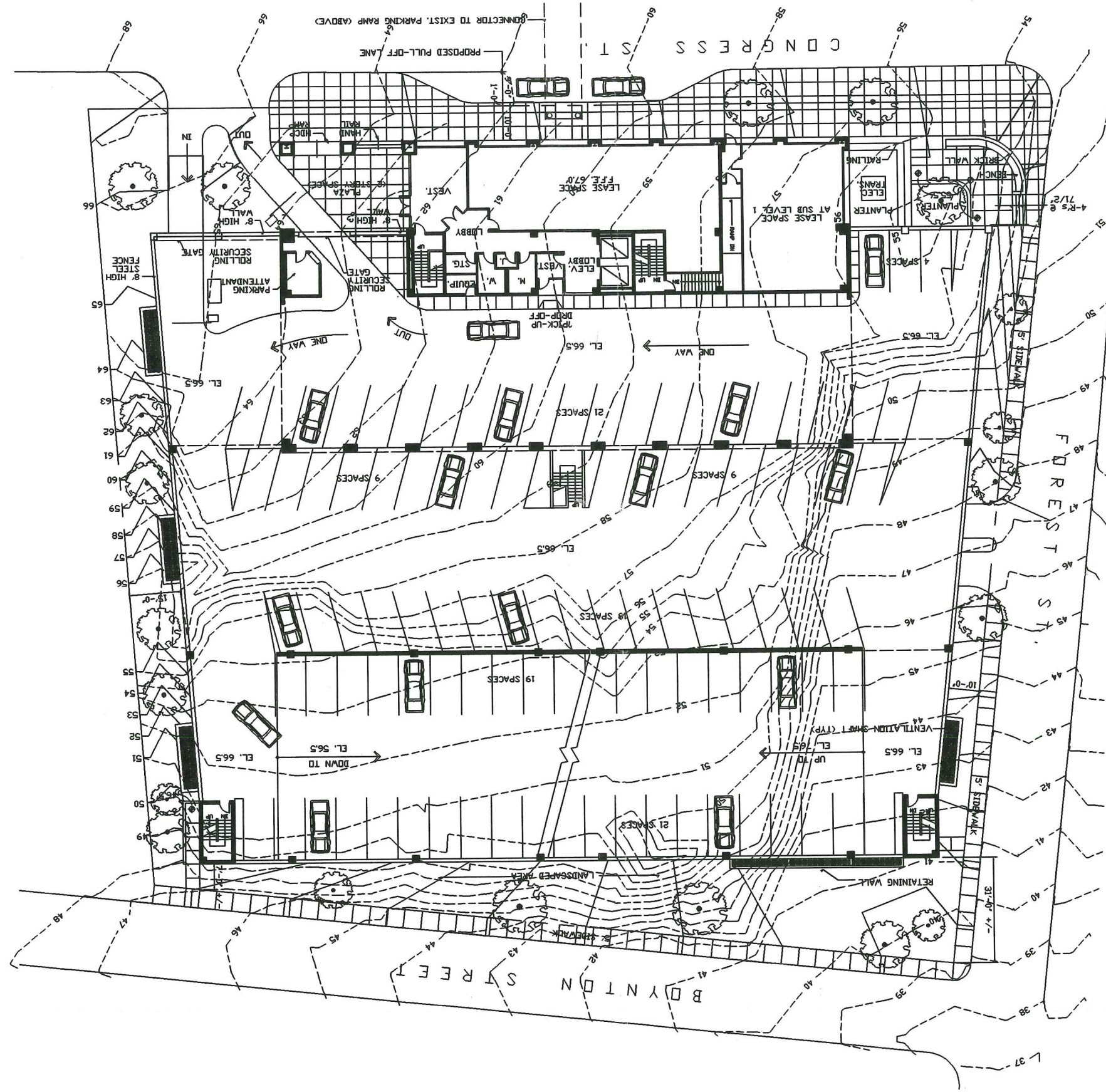
DATE: 10/29/96

PROPOSED MEDICAL OFFICE BUILDING
& PARKING GARAGE FOR
MAINE MEDICAL CENTER
PORTLAND, MAINE

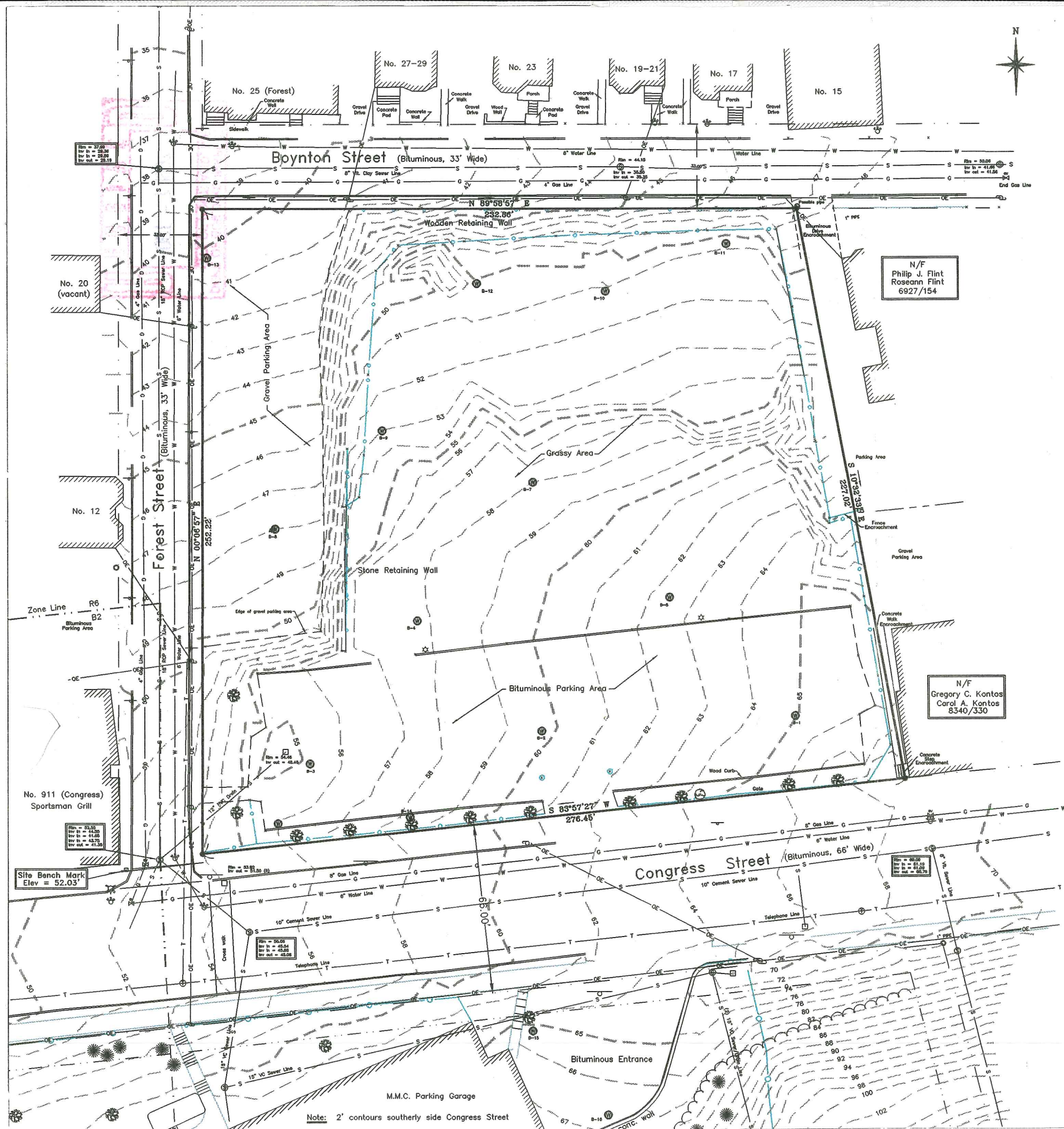
NO.	DATE	BY
1	12/20/96	RF
2	2/10/97	RF
3	2/18/97	RF
4	2/24/97	DV
5	3/11/97	MS
6	4/16/97	MS



FIRST FLOOR PLAN
1/16" = 1'-0"



Alex ATTACHMENT B-1



NOTES

- (1) Bearings are referenced to magnetic north 1996.
 - (2) Elevations are referenced to City of Portland Datum. Location of Bench Mark: Bolt set in granite monument located at the northeast corner of Ellsworth Street and Charles Street. Elevation = 140.39 feet.
 - (3) Location and description of utilities are approximate and are based on field location and the referenced plans. Prior to construction the appropriate utility companies should be contacted for the exact location and description. The locations shown on this plan are based on the best information available and may not be all inclusive.
- AREA**
60,650 square feet 1.39 Acres square feet
- OWNER OF RECORD**
Maine Medical Center 10488/22 and 10488/19
- ZONING**
ZONE: R6

REFERENCES

1. City of Portland, Department of Public Works, Right of Way Plan, dated February, 1926, City of Portland Plan Reference 177.
2. City of Portland, Department of Public Works, Right of Way Plan, dated March, 1926, City of Portland Plan Reference 190.
3. City of Portland, Department of Public Works, Right of Way Plan, dated October, 1925, City of Portland Plan Reference 125.
4. City of Portland, Department of Public Works, Right of Way Plan, dated December, 1925, City of Portland Plan Reference 150.
5. Plan of Property in Portland Maine, made for Charles P. Wernig, by Robert J. Cyr, dated September 1, 1993, recorded in Plan Book 193, Page 251.
6. Plan of Mead and Banks Property, Portland, Maine, dated December 2, 1905, recorded in Plan Book 10, Page 135.
7. Grading and Utility Plan, Maine Medical Center, Congress Street Parking Lot, by T.Y. Lin, dated July 1, 1986.
8. Portland Sewer System Infiltration-Inflow Analysis, Study area IV, Sheet IV-16, made for Portland Water District, by Hunter-Ballew, dated 1981 and revised August 1, 1988.
9. Portland Sewer System Infiltration-Inflow Analysis, Study area IV, Sheet IV-17, made for Portland Water District, by Hunter-Ballew, dated 1981 and revised November 7, 1985.
10. Forest Street Reconstruction, City of Portland, Department of Public Works, dated April, 1993, City of Portland Plan Reference 923/1.
11. Boynton Street Reconstruction, City of Portland, Department of Public Works, dated August, 1991, City of Portland Plan Reference 945/5.
12. Proposed Site Sanitary and Storm Drainage, made for Maine Medical Center, by Smith Haines Lundberg and Washler, dated November 8, 1985, City of Portland Plan Reference 686/6.
13. MMC Parking Facility, Proposed Grading Plan, made for Maine Medical Center, by TAC, dated May 29, 1971 and revised June 22, 1971, on file at the City of Portland, Department of Public Works.
14. Portland Water District, Sheet 7, dated September 12, 1996, on file at Portland Water District.
15. New England Telephone, Underground Utility Plan, on file at New England Telephone.
16. Northern Utilities, Gas Main Locations, Sheets 54 and 65, on file at Northern Utilities.
17. City of Portland, Tax Map 53, Lots 1-8, 12-15

Description

A certain lot or parcel of land situated on the northerly side of Congress Street, in the City of Portland, County of Cumberland, and State of Maine, bounded and described as follows:

Beginning at a 5/8" capped iron rebar set at the intersection of northerly sideline of Congress Street and the easterly sideline of Forest Street. Thence:

- (1) N 00°06'57" E by said sideline of Congress Street a distance of Two Hundred Fifty-two and 22/100 (252.22) feet to a 5/8" capped iron rebar set and the southerly sideline of Boynton Street.
- (2) N 89°58'57" E by said sideline of Boynton Street a distance of Two Hundred Thirty-two and 86/100 (232.86) feet to a 5/8" capped iron rebar set and the southerly corner of land of Philip J. Flint and Roseann Flint as described in a deed recorded in the Cumberland County Registry of Deeds in Book 6927, Page 154.
- (3) S 10°32'33" E by land of said Philip J. Flint and Roseann Flint and by land now or formerly of Gregory C. Kontos and Carol A. Kontos as described in a deed recorded in said Registry in Book 8340, Page 330, a distance of Two Hundred Twenty-seven and 02/100 (227.02) feet to a 5/8" capped iron rebar set and the northerly sideline of said Congress Street.
- (4) S 83°57'27" W by said sideline of Congress Street a distance of Two Hundred Seventy-six and 45/100 (276.45) feet and the point of beginning.

Bearings are referenced to magnetic north 1996.

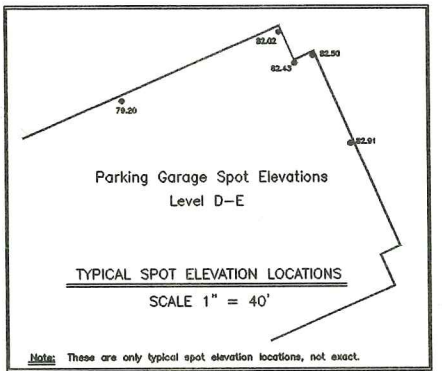
The above described parcel contains 60,650 square feet and being the same as described in deeds to Maine Medical Center recorded in the Cumberland County Registry of Deeds in Book 10488, Page 22 and Book 10488, Page 19. Reference is herein made to a plan entitled Existing Conditions Plan made for Maine Medical Center by Titcomb Associates, and dated January 16, 1997.

LEGEND

- Iron Pin Found
- Iron Pin Set (capped 5/8" rebar)
- Granite Monument Found
- N/F Now or Formerly
- Utility Pole
- Sign
- ⊙ Telephone Manhole
- ⊙ Sewer Manhole
- ⊙ Drain Manhole
- ⊙ Water Valve
- ⊙ Deciduous Tree
- ⊙ Conifer Tree
- ▨ Existing Building
- Edge of Pavement
- Catch Basin
- Existing Contour
- Sewer Line
- Drain Line
- Gas Line
- OE Overhead Wires
- UT Underground Telephone
- ⊙ Electric Manhole
- E Underground Electric
- Curb
- W Water Line
- ⊙ Boring Location
- Chain Link Fence
- Right of Way

Parking Garage Spot Elevations

Level	Elevation				
D-E	79.20	82.02	82.43	82.50	82.91
F-G	88.17	92.12	92.08	92.33	92.83
H-I	97.88	102.29	102.06	102.37	103.03
J-K	108.65	112.29	112.14	122.31	113.07
L-M	118.91	122.21	122.05	122.35	122.99
N-O	128.22	132.22	132.00	132.21	132.84
P-Q	138.22	142.10	142.11	142.19	142.89
R-S	149.19	152.14	152.07	152.09	153.09



UTILITIES

Water
Portland Water District
225 Douglas Street
Portland, Maine
Tom McKinley (207) 774-5061 x3073

Electric
Central Maine Power Company
Conoco Road
Portland, Maine
Bob Storey (207) 628-1411

Gas
Northern Utilities
1078 Forest Avenue
Portland, Maine
Keith Dalton (207) 797-8002

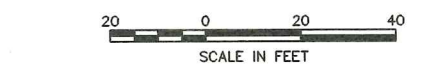
Telephone
FINEX
Portland Farm Road
Portland, Maine
Joe Royce (207) 823-1641

Sewer and Drain
City of Portland
Public Works Department
55 Portland Street
Portland, Maine
Jim Robbins (207) 874-8871

This survey conforms to the current standards of the Maine State Board of Licensure for Land Surveyors for Category I, Condition II, except as noted:

- Exceptions:
- (1)
 - (2)
 - (3)

Stephen M. Selleck #2270



EXISTING CONDITIONS PLAN
**MAINE MEDICAL CENTER
CONGRESS STREET PARKING LOT**

MADE FOR
**MAINE MEDICAL CENTER
22 BRAMHALL STREET
PORTLAND, MAINE**

JOB# 96118 DATE: 01/16/96 SCALE: 1"=20'

BOOK# 587B
DISC# 492/88
FILE# 7402

Titcomb Associates
Portland North Business Park
Falmouth, Maine 04105

Note: 2' contours southerly side Congress Street

REVISIONS			
NO.	DATE	BY	REVISION
1	12/20/96	RF	
2	2/10/97	RF	
3	2/18/97	RF	
4	2/24/97	DV	
5	3/11/97	MS	
6	4/16/97	MS	

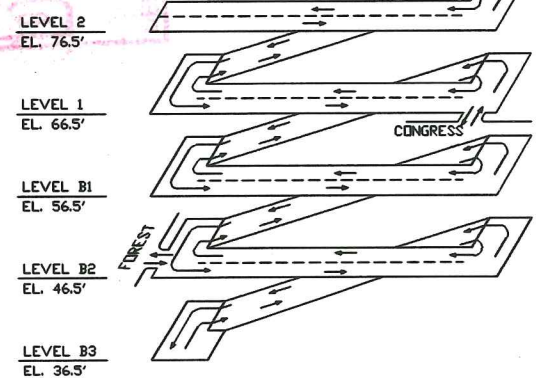
PROPOSED MEDICAL OFFICE BUILDING
 & PARKING GARAGE FOR
MAINE MEDICAL CENTER
 PORTLAND, MAINE

DATE: 10/29/96
 DRAWN BY: RF
 APPROVED BY:

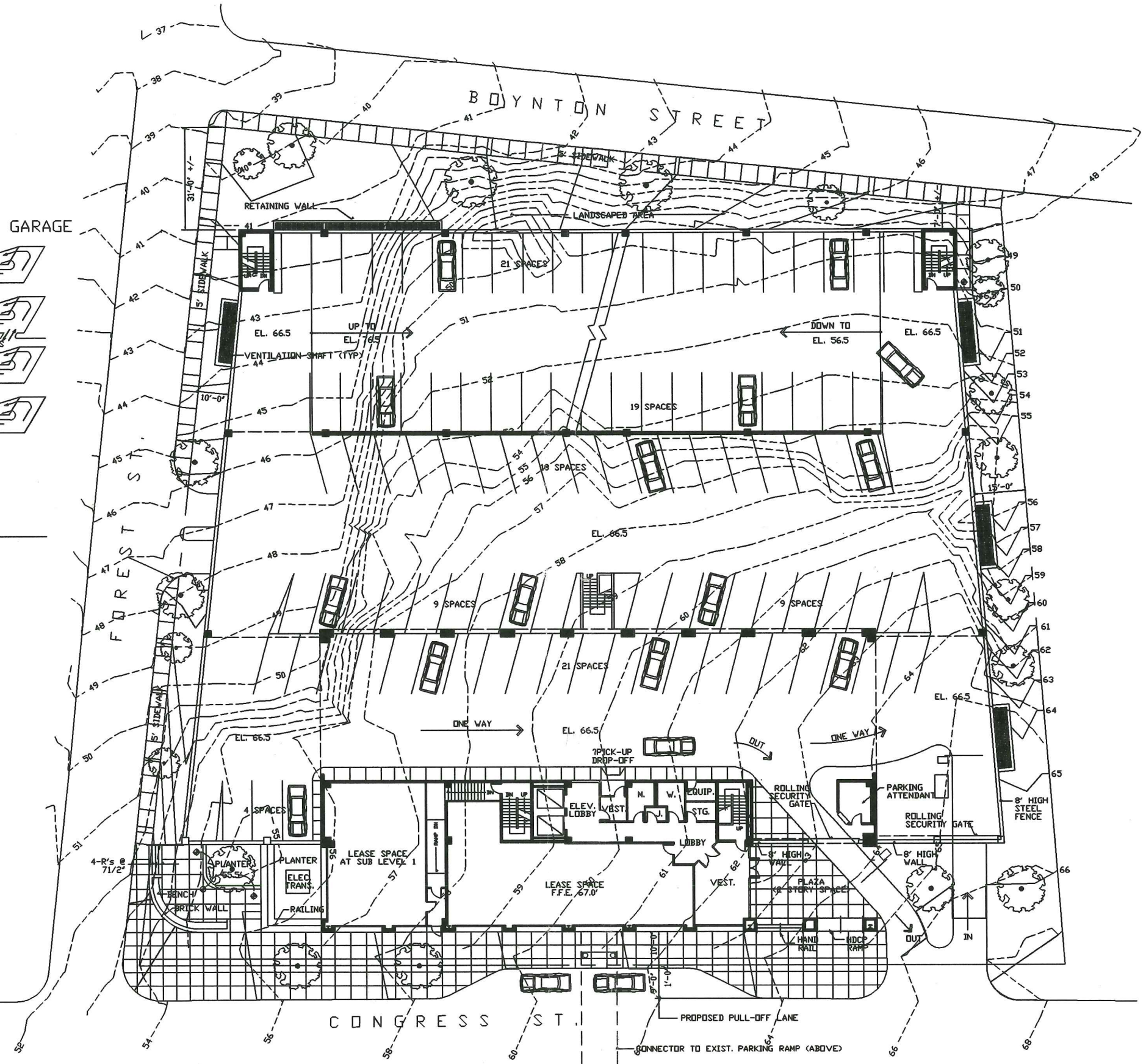
PROJECT NO.
5195

SHEET NO.
4
 OF

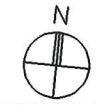
MAINE MEDICAL CENTER PARKING GARAGE



ISOMETRIC
 NO SCALE



FIRST FLOOR PLAN



ENTRANCE AREA
 AVERAGE FC = 1.54
 MAXIMUM FC = 10.4
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 571

PLANE = GROUND
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE = 0
 X = 0.00 Y = 0.00 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE = 0
 X = 441.00 Y = 333.00 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = .48
 MAXIMUM FC = 1.07
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 872

PLANE = TOP LEVEL
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE = 0
 X = 0.00 Y = 0.00 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE = 0
 X = 441.00 Y = 333.00 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 0.44
 MAXIMUM FC = 0.71
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 163

PLANE = RAMP TOP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE = 0
 X = 0.00 Y = 0.00 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE = 0
 X = 441.00 Y = 333.00 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 1.11
 MAXIMUM FC = 2.47
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 90

PLANE = RAMP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE = 0
 X = 0.00 Y = 0.00 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE = 0
 X = 441.00 Y = 333.00 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 2.44
 MAXIMUM FC = 6.40
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 108

LUMINAIRE = L1
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\MSOFT\LIGHT\PHOTO\MAIN\MAIN-ENTR-115.DAT
 LUMENS = 3000
 LFL = 0
 SPIN = 0

VIEW LIGHTING
 AND VIEW HITS
 AND UNIT HITS CLEAR WITH MESH-CLEAR SHIELD
 TYPE III
 ILLUMINANCE
 (CAD) 3000
 TILT-ANGLE
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 27 0 TO 180 DEGREES

LUMINAIRE = L2
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\MSOFT\LIGHT\PHOTO\MAIN\MAIN-ENTR-115.DAT
 LUMENS = 3000
 LFL = 0
 SPIN = 0

VIEW LIGHTING
 AND VIEW HITS
 AND UNIT HITS CLEAR
 TYPE III
 ILLUMINANCE
 (CAD) 3000
 TILT-ANGLE
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 27 0 TO 180 DEGREES

LUMINAIRE = L3
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\MSOFT\LIGHT\PHOTO\MAIN\MAIN-ENTR-115.DAT
 LUMENS = 3000
 LFL = 0
 SPIN = 0

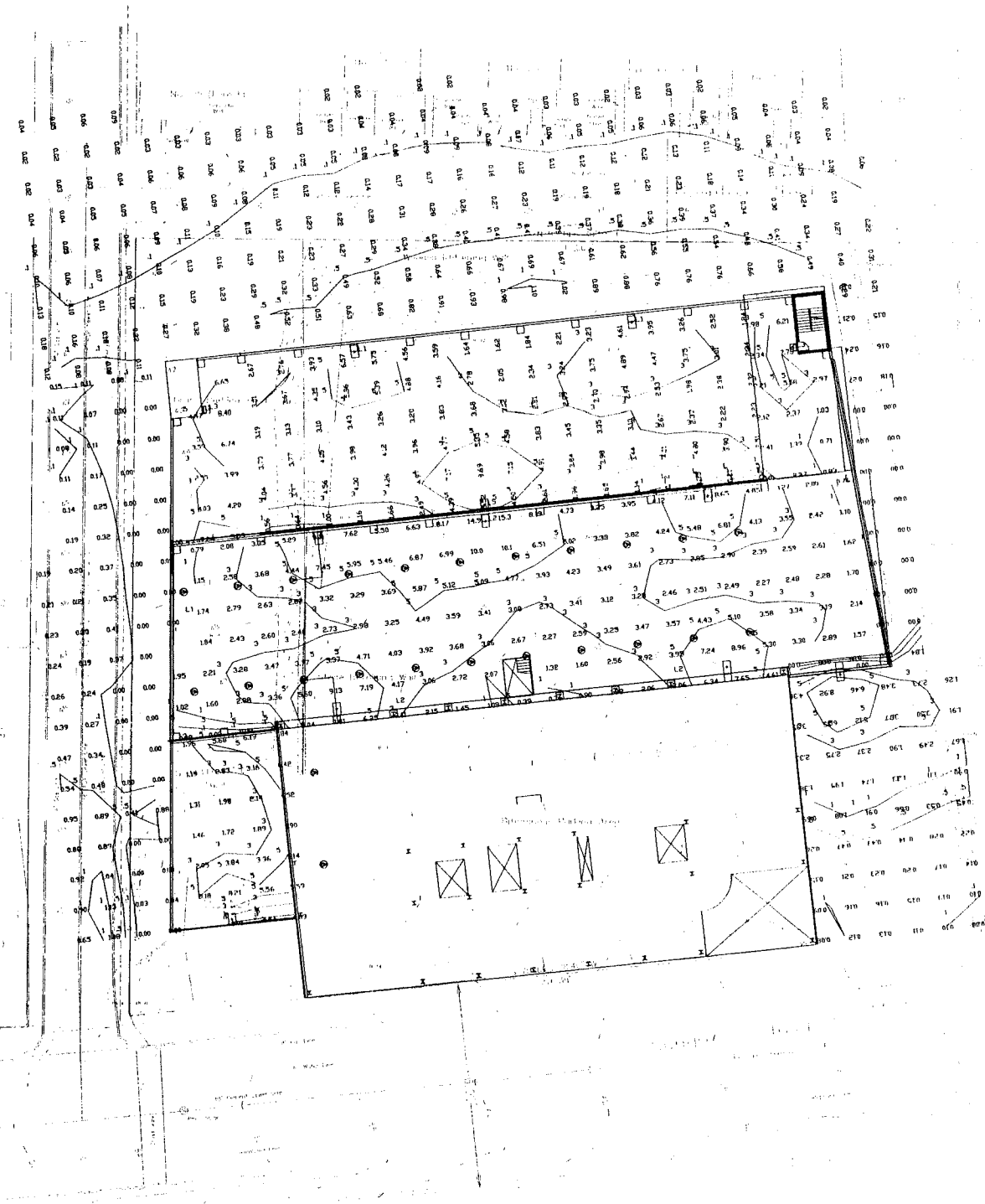
VIEW LIGHTING
 AND VIEW HITS
 AND UNIT HITS CLEAR
 TYPE III
 ILLUMINANCE
 (CAD) 3000
 TILT-ANGLE
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 27 0 TO 180 DEGREES

LUMINAIRE = L4
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\MSOFT\LIGHT\PHOTO\MAIN\MAIN-ENTR-115.DAT
 LUMENS = 3000
 LFL = 0
 SPIN = 0

VIEW LIGHTING
 AND VIEW HITS
 AND UNIT HITS CLEAR
 TYPE III
 ILLUMINANCE
 (CAD) 3000
 TILT-ANGLE
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 27 0 TO 180 DEGREES

LUMINAIRE = L5
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\MSOFT\LIGHT\PHOTO\MAIN\MAIN-ENTR-115.DAT
 LUMENS = 3000
 LFL = 0
 SPIN = 0

VIEW LIGHTING
 AND VIEW HITS
 AND UNIT HITS CLEAR
 TYPE III
 ILLUMINANCE
 (CAD) 3000
 TILT-ANGLE
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 27 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
 NO SCALE

Carl Walker
 Planning Engineering Restoration
 Carl Walker, Inc.
 13747 Montfort Dr.
 Suite 105
 Dallas, Tx 75240
 U.S.A.
 Phone (972) 458-9856
 Fax (972) 458-9840

Project Title
MAINE MEDICAL CENTER
 MEDICAL OFFICE BUILDING
 PARKING STRUCTURE AND
 OVERHEAD CONNECTOR
 PORTLAND, MAINE
 Cell Project No.
 3500
 Key Plan

PREPARED BY
MEDI PLEX
 MEDICAL BUILDING CORPORATION
 1300 W. 10TH AVENUE
 DENVER, CO 80202

12-18-97	60% C.D. REVIEW
11-20-97	33% C.D. REVIEW
10-22-97	100% D.D. REVIEW
10-2-97	50% D.D. REVIEW
Date	Submission Type

Drawing Status

Drawing Title
SITE LIGHTING LEVELS

PA / PE	DRS / B.
JDR	EDV

Drawing Number
LIGHTING STUDY

Project Title

MAINE MEDICAL CENTER
 MEDICAL OFFICE BUILDING
 PARKING STRUCTURE AND
 OVERHEAD CONNECTOR
 PORTLAND, MAINE

Est. Project No.

3500

Key Plan

Consultants



MEDIPLEX
 MEDICAL BUILDING CORPORATION
 1300 W. 42ND STREET
 PLAINFIELD, NJ 07054

No.	Date	Revision
12-18-97		66X C.D. REVIEW
11-20-97		33X C.D. REVIEW
10-22-97		100X D.D. REVIEW
10-2-97		50X D.D. REVIEW
Date	Submitted To	

Drawing Status

Drawing Title
SITE LIGHTING LEVELS

PA: PJ
 JOR: FGJ

Drawing Number
LIGHTING STUDY

ENTIRE AREA
 AVERAGE FC = 1.54
 MAXIMUM FC = 2.04
 MINIMUM FC = 0
 AVERAGE/NUMBER = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 371

PLANE - GROUND
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 177.00 Y = 610.00 Z = 0.00
 UPPER RIGHTHAND CORNER OF PLANE
 X = 302.00 Y = 275.00 Z = 0.00
 LIGHT METER IS NORMAL TO PLANE
 AVERAGE FC = .48
 MAXIMUM FC = 1.02
 MINIMUM FC = .03
 AVERAGE/NUMBER = .16
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 212

PLANE - TOP LEVEL
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 177.00 Y = 610.00 Z = 0.00
 UPPER RIGHTHAND CORNER OF PLANE
 X = 302.00 Y = 275.00 Z = 0.00
 LIGHT METER IS NORMAL TO PLANE
 AVERAGE FC = 2.41
 MAXIMUM FC = 10.4
 MINIMUM FC = .03
 AVERAGE/NUMBER = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 161

PLANE - RAMP TOP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 200.00 Y = 275.00 Z = 0.00
 UPPER RIGHTHAND CORNER OF PLANE
 X = 414.00 Y = 311.00 Z = 0.00
 LIGHT METER IS NORMAL TO PLANE
 AVERAGE FC = 1.84
 MAXIMUM FC = 2.47
 MINIMUM FC = .03
 AVERAGE/NUMBER = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 37

PLANE - RAMP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 234.00 Y = 275.00 Z = 0.00
 UPPER RIGHTHAND CORNER OF PLANE
 X = 398.00 Y = 311.00 Z = 0.00
 LIGHT METER IS NORMAL TO PLANE
 AVERAGE FC = 2.64
 MAXIMUM FC = 8.40
 MINIMUM FC = .03
 AVERAGE/NUMBER = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 108

LUMINAIRE - L1

CAD SYMBOL = RECT.SYM

CAD SYMBOL SIZE = 4

FILENAME = C:\AGENTS\LIGHT\PROJ\MAIN\MAIN-ENTR-IES

LUMENS = 30000

LLT = 0

SPIN = 0

VIEW LIGHTING

AND/OR VIEW

250 WATT HPS CLEAR

TYPE: L1

FILE NAME

ECAD SYMBOL

FILE NAME

LUMENS LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 250

LUMENS PER FOOTCAND = 1.00 LENGTH = 1.00 HEIGHT = 0

FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1

NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES

NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE - L2

CAD SYMBOL = RECT.SYM

CAD SYMBOL SIZE = 4

FILENAME = C:\AGENTS\LIGHT\PROJ\MAIN\MAIN-ENTR-IES

LUMENS = 30000

LLT = 0

SPIN = 0

VIEW LIGHTING

AND/OR VIEW

250 WATT HPS CLEAR

TYPE: L2

FILE NAME

ECAD SYMBOL

FILE NAME

LUMENS LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 250

LUMENS PER FOOTCAND = 1.00 LENGTH = 1.00 HEIGHT = 0

FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1

NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES

NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE - L3

CAD SYMBOL = RECT.SYM

CAD SYMBOL SIZE = 4

FILENAME = C:\AGENTS\LIGHT\PROJ\MAIN\MAIN-ENTR-IES

LUMENS = 30000

LLT = 0

SPIN = 0

VIEW LIGHTING

AND/OR VIEW

250 WATT HPS CLEAR

TYPE: L3

FILE NAME

ECAD SYMBOL

FILE NAME

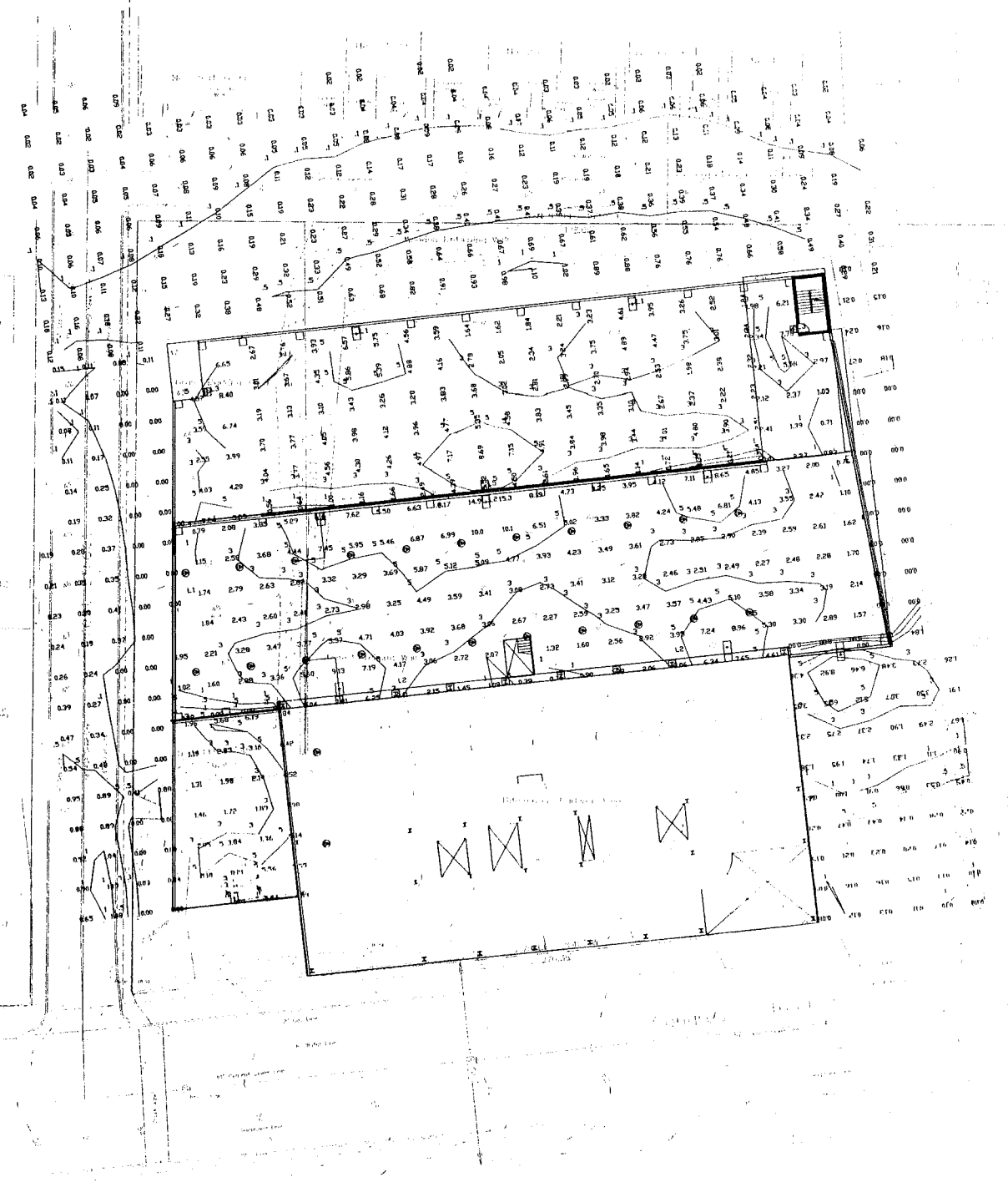
LUMENS LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 250

LUMENS PER FOOTCAND = 1.00 LENGTH = 1.00 HEIGHT = 0

FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1

NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES

NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
 NO SCALE

ENTRANCE AREA
 AVERAGE FC = 1.54
 MAXIMUM FC = 15.4
 MINIMUM FC = 0
 AVERAGE/PICTURE = 0
 MAXIMUM/PICTURE = 0
 TOTAL NUMBER OF POINTS = 371

PLANE - SECOND
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 212.77 Y = 270.76 Z = 0
 U.P. VECTOR (UPPER) OF PLANE
 U = 0.0 V = 0.0 W = 1.0
 L.P. VECTOR (LOWER) OF PLANE
 L = 0.0 M = 0.0 N = 1.0
 AVERAGE FC = 1.87
 MAXIMUM FC = 15.4
 MINIMUM FC = 0
 AVERAGE/PICTURE = 0
 MAXIMUM/PICTURE = 0
 TOTAL NUMBER OF POINTS = 272

PLANE - TOP LEVEL
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 212.77 Y = 270.76 Z = 0
 U.P. VECTOR (UPPER) OF PLANE
 U = 0.0 V = 0.0 W = 1.0
 L.P. VECTOR (LOWER) OF PLANE
 L = 0.0 M = 0.0 N = 1.0
 AVERAGE FC = 2.41
 MAXIMUM FC = 15.4
 MINIMUM FC = 0
 AVERAGE/PICTURE = 0
 MAXIMUM/PICTURE = 0
 TOTAL NUMBER OF POINTS = 141

PLANE - HALL TOP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 212.77 Y = 270.76 Z = 0
 U.P. VECTOR (UPPER) OF PLANE
 U = 0.0 V = 0.0 W = 1.0
 L.P. VECTOR (LOWER) OF PLANE
 L = 0.0 M = 0.0 N = 1.0
 AVERAGE FC = 1.44
 MAXIMUM FC = 2.47
 MINIMUM FC = 0
 AVERAGE/PICTURE = 0
 MAXIMUM/PICTURE = 0
 TOTAL NUMBER OF POINTS = 30

PLANE - HALL
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 212.77 Y = 270.76 Z = 0
 U.P. VECTOR (UPPER) OF PLANE
 U = 0.0 V = 0.0 W = 1.0
 L.P. VECTOR (LOWER) OF PLANE
 L = 0.0 M = 0.0 N = 1.0
 AVERAGE FC = 0.42
 MAXIMUM FC = 0.42
 MINIMUM FC = 0
 AVERAGE/PICTURE = 0
 MAXIMUM/PICTURE = 0
 TOTAL NUMBER OF POINTS = 508

LUMINAIRE - L1
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\SHELL\LIGHT\PHOTO\IN\MAR-93\001.EES
 LUMENS = 3000
 LFT = 0
 UFT = 0

VEIL LIGHTING
 AND/OR ON WPS
 2ND WALL NOT CLEAR WITH MEDIC. SIGN SHIELD
 TITLE
 TITLE SIZE
 TITLE FONT
 TITLE COLOR
 LAMP = 1 LUMENS/LAMP = 3000 PHOTO MERIC TYPE = 1 WATTS = 250
 LUMINAIRE FUNCTIONING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLE (F) BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 30 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L2
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\SHELL\LIGHT\PHOTO\IN\MAR-93\002.EES
 LUMENS = 3000
 LFT = 0
 UFT = 0

VEIL LIGHTING
 AND/OR ON WPS
 2ND WALL NOT CLEAR
 TITLE
 TITLE SIZE
 TITLE FONT
 TITLE COLOR
 LAMP = 1 LUMENS/LAMP = 3000 PHOTO MERIC TYPE = 1 WATTS = 250
 LUMINAIRE FUNCTIONING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLE (F) BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 30 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L3
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\SHELL\LIGHT\PHOTO\IN\MAR-93\003.EES
 LUMENS = 3000
 LFT = 0
 UFT = 0

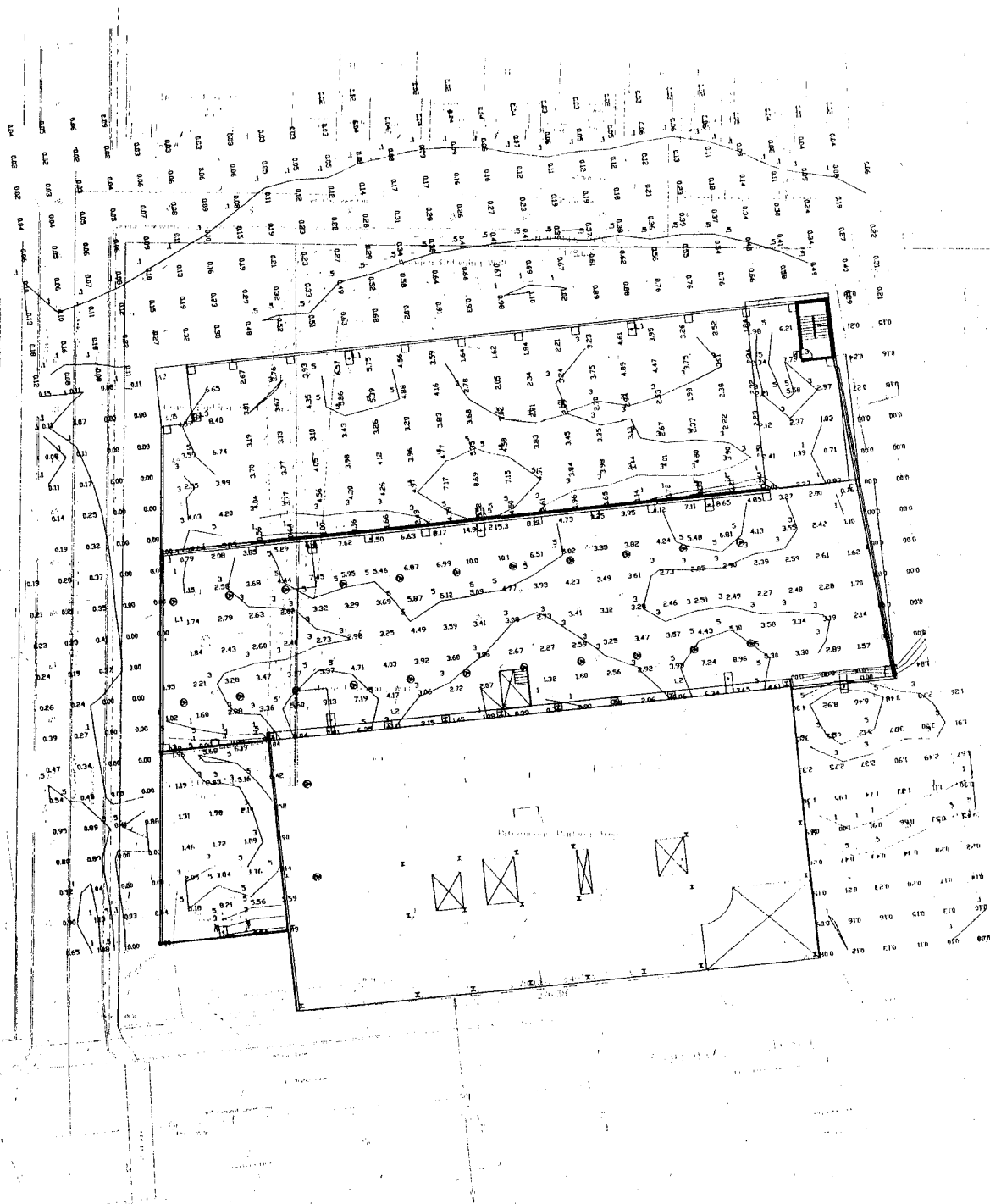
VEIL LIGHTING
 AND/OR ON WPS
 2ND WALL NOT CLEAR
 TITLE
 TITLE SIZE
 TITLE FONT
 TITLE COLOR
 LAMP = 1 LUMENS/LAMP = 3000 PHOTO MERIC TYPE = 1 WATTS = 100
 LUMINAIRE FUNCTIONING (FEET) WIDTH = 0.75 LENGTH = 0.75 HEIGHT = 0
 FACTORY MULTIPLE (F) BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 30 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L4
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\SHELL\LIGHT\PHOTO\IN\MAR-93\010.EES
 LUMENS = 3000
 LFT = 0
 UFT = 0

VEIL LIGHTING
 AND/OR ON WPS
 2ND WALL NOT CLEAR ON THE 130 & 135 INCH PLANE
 TITLE
 TITLE SIZE
 TITLE FONT
 TITLE COLOR
 LAMP = 1 LUMENS/LAMP = 1000 PHOTO MERIC TYPE = 1 WATTS = 100
 LUMINAIRE FUNCTIONING (FEET) WIDTH = 0.75 LENGTH = 0.75 HEIGHT = 0
 FACTORY MULTIPLE (F) BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 30 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L5
 CAD SYMBOL = RECT 5X4
 CAD SYMBOL SIZE = 4
 FILENAME = C:\SHELL\LIGHT\PHOTO\IN\MAR-93\005.EES
 LUMENS = 3000
 LFT = 0
 UFT = 0

VEIL LIGHTING
 AND/OR ON WPS
 2ND WALL NOT CLEAR
 TITLE
 TITLE SIZE
 TITLE FONT
 TITLE COLOR
 LAMP = 1 LUMENS/LAMP = 3000 PHOTO MERIC TYPE = 1 WATTS = 250
 LUMINAIRE FUNCTIONING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLE (F) BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 30 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
 NO SCALE

Carl Walker
 Planning Engineering Restoration
 Carl Walker, Inc.
 13747 Montfort Dr.
 Suite 105
 Dallas, Tx 75240
 U.S.A.
 Phone (972) 458-9856
 Fax (972) 458-9849

Project Title
MAINE MEDICAL CENTER
 MEDICAL OFFICE BUILDING
 PARKING STRUCTURE AND
 OVERHEAD CONNECTOR
 PORTLAND, MAINE
 Civil Project No.
 3500
 Key Plan

Consultants
MEDIPLEX
 MEDICAL BUILDING CORPORATION
 5300 W. HANCOCK BLVD. SUITE 200
 PLANO, TEXAS 75075-1348 (972) 412-8900

No.	Date	Revision/Description
ISSUED FOR BID		
12-18-97		66X C.D. REVIEW
11-20-97		53X C.D. REVIEW
10-22-97		100% D.D. REVIEW
10-2-97		50X D.D. REVIEW
Date	Submission Type	

Drawing Status

Drawing Title
SITE LIGHTING LEVELS
 PA / PE
 JDR / EGV
 Drawing Number

LIGHTING STUDY

1"=20'

Authorized Vehicles Only
 Do Not Enter
 could be Speed Table, or skent mounted curb, subject to drainage requirements

Resume one way Park

AUTHORIZED VEHICLES ONLY

PARKING

OFFICE BU
F.F. ELEV. 67.1

Forest Street

FOREST STREET 2-WAY PORTION

ELIMINATE 2 PARKING SPACES

PARKING (2 SPACES)

LANDSCAPED AREA

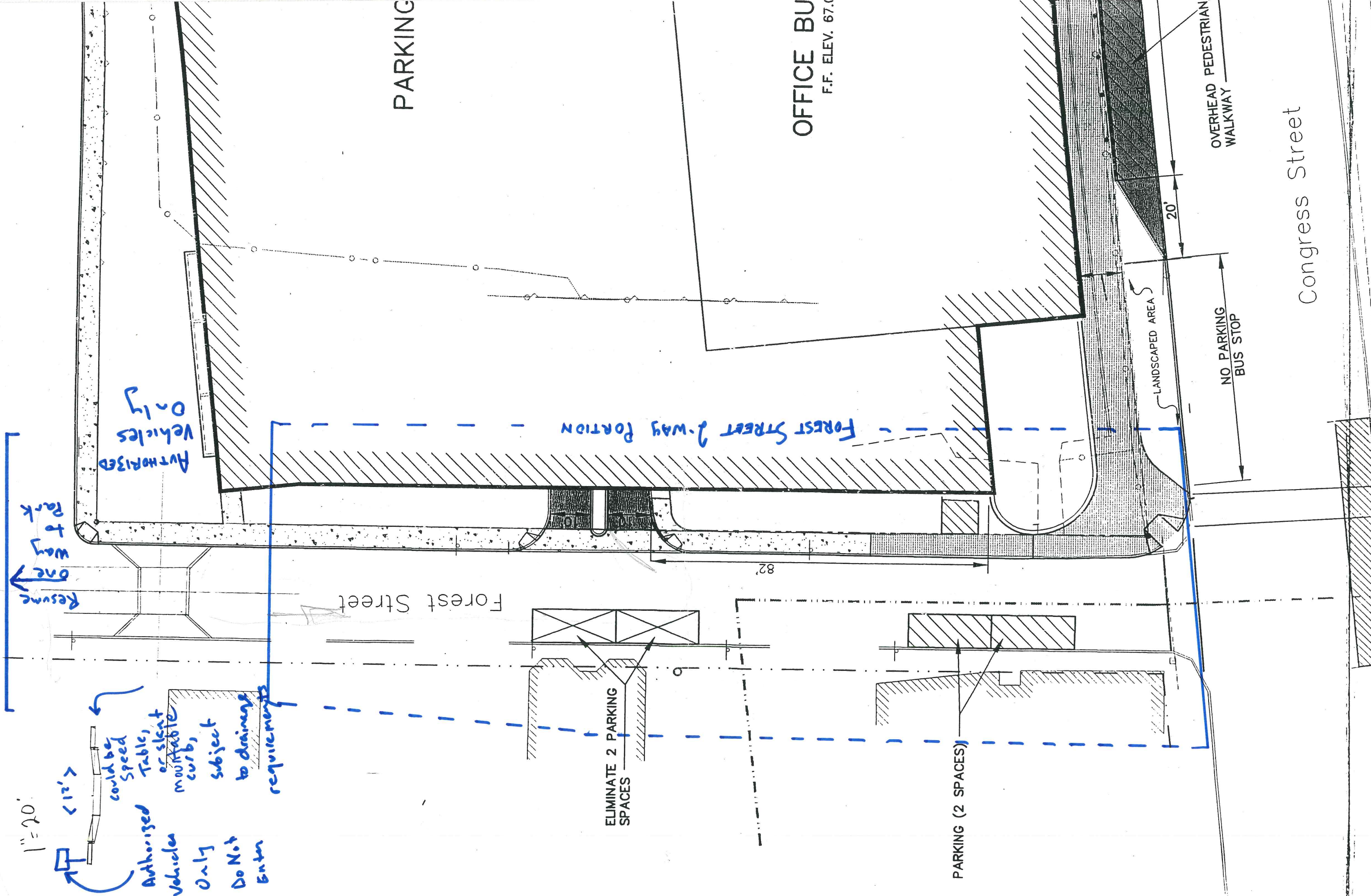
20'

NO PARKING BUS STOP

OVERHEAD PEDESTRIAN WALKWAY

Congress Street

82'



ENTIRE AREA
 AVERAGE FC = 1.54
 MAXIMUM FC = 10.4
 MINIMUM FC = 0
 AVERAGE/NUMBER = 0
 MAXIMUM/NUMBER = 0
 TOTAL NUMBER OF POINTS = 371

PLANE = COORH
 POINT SPACING (LEFT TO RIGHT) = 10 FT
 POINT SPACING (TOP TO BOTTOM) = 10 FT
 LOWER LEFT CORNER OF PLANE =
 X = 272.00 Y = 272.00
 UPPER RIGHT CORNER OF PLANE =
 X = 302.00 Y = 302.00
 LIGHT METR IS NORMAL TO PLANE

PLANE = TOP LEVEL
 POINT SPACING (LEFT TO RIGHT) = 10 FT
 POINT SPACING (TOP TO BOTTOM) = 10 FT
 LOWER LEFT CORNER OF PLANE =
 X = 272.00 Y = 272.00
 UPPER RIGHT CORNER OF PLANE =
 X = 302.00 Y = 302.00
 LIGHT METR IS NORMAL TO PLANE

PLANE = MAIN DEP
 POINT SPACING (LEFT TO RIGHT) = 10 FT
 POINT SPACING (TOP TO BOTTOM) = 10 FT
 LOWER LEFT CORNER OF PLANE =
 X = 272.00 Y = 272.00
 UPPER RIGHT CORNER OF PLANE =
 X = 302.00 Y = 302.00
 LIGHT METR IS NORMAL TO PLANE

PLANE = MAIN
 POINT SPACING (LEFT TO RIGHT) = 10 FT
 POINT SPACING (TOP TO BOTTOM) = 10 FT
 LOWER LEFT CORNER OF PLANE =
 X = 272.00 Y = 272.00
 UPPER RIGHT CORNER OF PLANE =
 X = 302.00 Y = 302.00
 LIGHT METR IS NORMAL TO PLANE

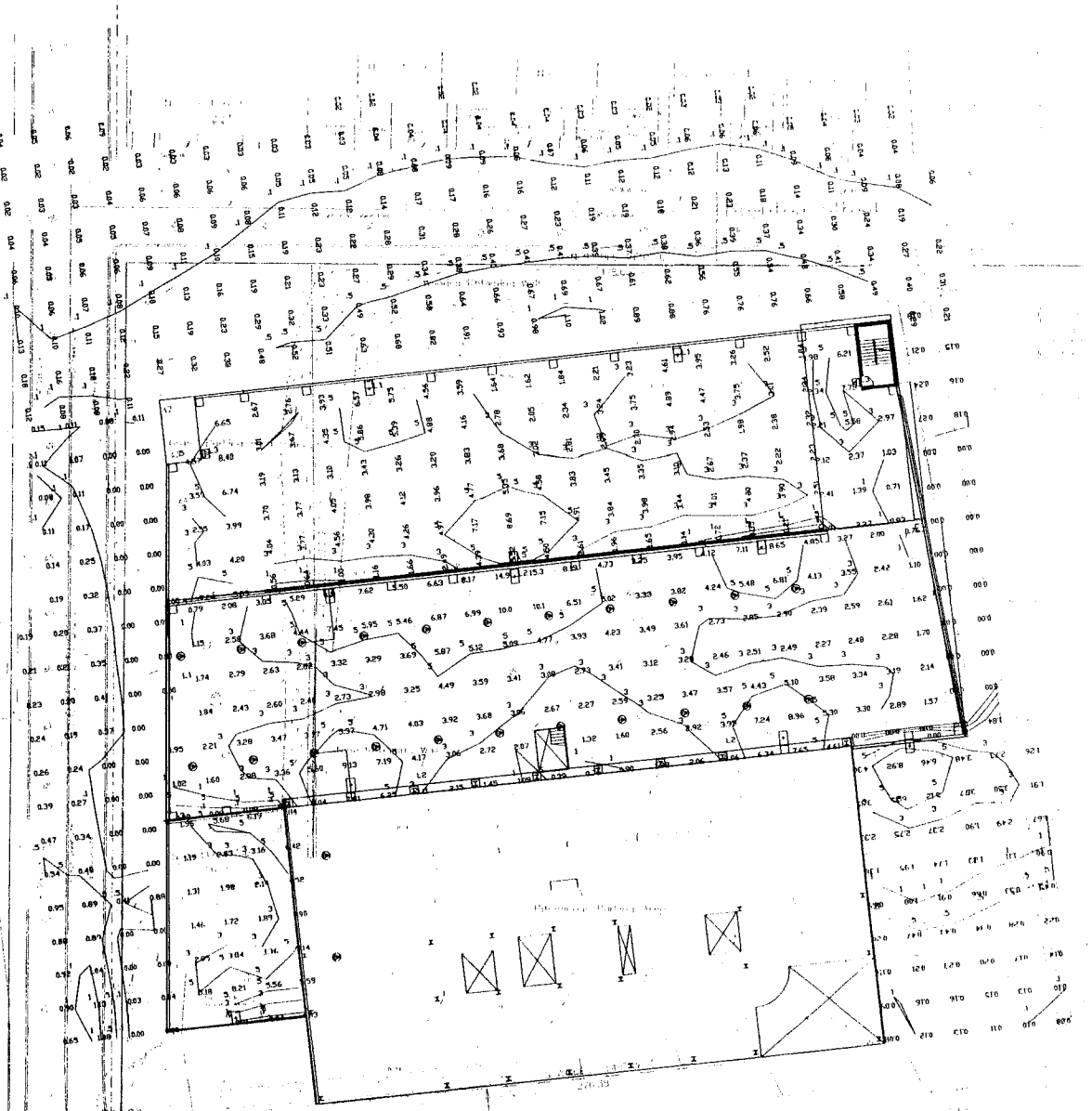
LUMINAIRE = L1
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\AECAD\LIGHT\PHOTO\MAIN\MAIN-2502.DES
 LUMENS = 3000
 LLL = 0
 SPLN = 0
 VIEW LIGHTING
 ANGLE/CONV WPT
 250 WATT HPT CLEAR
 TYPE III
 TILT/SHR
 (CAD) 2502
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATTS = 250
 LUMEN/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE = L2
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\AECAD\LIGHT\PHOTO\MAIN\MAIN-2502.DES
 LUMENS = 3000
 LLL = 0
 SPLN = 0
 VIEW LIGHTING
 ANGLE/CONV WPT
 250 WATT HPT CLEAR
 TYPE III
 TILT/SHR
 (CAD) 2502
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATTS = 250
 LUMEN/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE = L3
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\AECAD\LIGHT\PHOTO\MAIN\MAIN-2502.DES
 LUMENS = 3000
 LLL = 0
 SPLN = 0
 VIEW LIGHTING
 ANGLE/CONV WPT
 250 WATT HPT CLEAR
 TYPE III
 TILT/SHR
 (CAD) 2502
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATTS = 250
 LUMEN/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE = L4
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\AECAD\LIGHT\PHOTO\MAIN\MAIN-2502.DES
 LUMENS = 3000
 LLL = 0
 SPLN = 0
 VIEW LIGHTING
 ANGLE/CONV WPT
 250 WATT HPT CLEAR
 TYPE III
 TILT/SHR
 (CAD) 2502
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATTS = 250
 LUMEN/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE = L5
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\AECAD\LIGHT\PHOTO\MAIN\MAIN-2502.DES
 LUMENS = 3000
 LLL = 0
 SPLN = 0
 VIEW LIGHTING
 ANGLE/CONV WPT
 250 WATT HPT CLEAR
 TYPE III
 TILT/SHR
 (CAD) 2502
 LAMP = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATTS = 250
 LUMEN/FOOTCAND (FEET) WIDTH = 1 FT LENGTH = 1 FT HEIGHT = 0
 FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF HORIZONTAL ANGLES = 37 0 TO 180 DEGREES
 NUMBER OF VERTICAL ANGLES = 22 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
 NO SCALE

Carl Walker
 Planning Engineering Restoration
 Carl Walker, Inc.
 13747 Montfort Dr.
 Suite 105
 Dallas, Tx 75240
 U.S.A.
 Phone (972) 468-0665
 Fax (972) 468-0649

Project Title
MAINE MEDICAL CENTER
 MEDICAL OFFICE BUILDING
 PARKING STRUCTURE AND
 OVERHEAD CONNECTOR
 PORTLAND, MAINE
 Civil Project No.
 3500
 Key Plan

Consultants
MEDI PLEX
 MEDICAL BUILDING CONSULTANTS
 5500 W. PARKWAY
 PLANO, TEXAS 75069-1318

No.	Date	Revisions/Description
		ISSUED FOR BID
12-18-97		66X C.D. REVIEW
11-20-97		33X C.D. REVIEW
10-22-97		100X D.D. REVIEW
10-2-97		50X D.D. REVIEW
Date	Signature Type	

Drawing Status

Drawing Title
SITE LIGHTING LEVELS
 PA: JDR
 Drawn By: EGV
 Drawing Number
LIGHTING STUDY

1"=20'



< 12' >

could be Speed Table, or slant mountable curb, subject to drainage requirements

Authorized Vehicles Only Do Not Enter

Resume one way Park

Authorized Vehicles Only

Forest Street

FOREST STREET 2-WAY PORTION

PARKING

OFFICE BU
F.F. ELEV. 67.1

82'

ELIMINATE 2 PARKING SPACES

PARKING (2 SPACES)

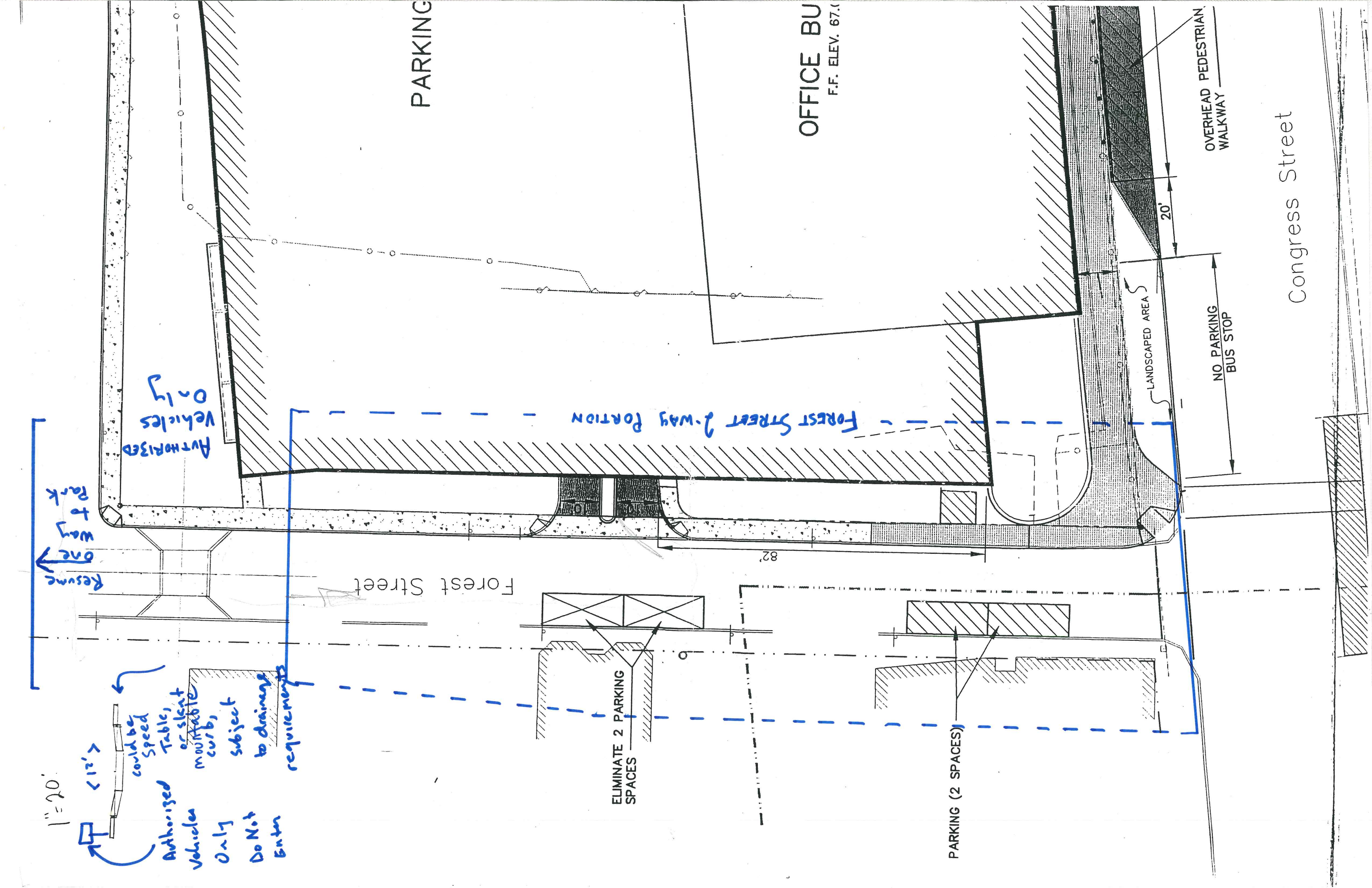
LANDSCAPED AREA

20'

NO PARKING BUS STOP

OVERHEAD PEDESTRIAN WALKWAY

Congress Street



ENTRANCE AREA

AVERAGE FC = 1.54
MAXIMUM FC = 10.4
MINIMUM FC = 0
AVERAGE/REVISION = 0
MAXIMUM/REVISION = 0
TOTAL NUMBER OF POINTS = 371

PLANE - GROUND

POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 200.00 Y = 200.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 301.51 Y = 375.51 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = .49
MAXIMUM FC = 1.77
MINIMUM FC = 0.11
AVERAGE/REVISION = 1.6
MAXIMUM/REVISION = 16.2
TOTAL NUMBER OF POINTS = 232

PLANE - TOP LEVEL

POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 200.00 Y = 200.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 301.51 Y = 375.51 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 0.43
MAXIMUM FC = 1.54
MINIMUM FC = 0.11
AVERAGE/REVISION = 0
MAXIMUM/REVISION = 0
TOTAL NUMBER OF POINTS = 341

PLANE - RAMP TOP

POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 200.00 Y = 200.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 301.51 Y = 375.51 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 1.44
MAXIMUM FC = 2.67
MINIMUM FC = 0.11
AVERAGE/REVISION = 0
MAXIMUM/REVISION = 0
TOTAL NUMBER OF POINTS = 30

PLANE - RAMP

POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 200.00 Y = 200.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 301.51 Y = 375.51 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 0.44
MAXIMUM FC = 0.42
MINIMUM FC = 0
AVERAGE/REVISION = 0
MAXIMUM/REVISION = 0
TOTAL NUMBER OF POINTS = 158

LUMINAIRE - L1

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L1-2500.IES
LUMENS = 25000
L1 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L2

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L2-2500.IES
LUMENS = 25000
L2 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L3

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L3-2500.IES
LUMENS = 25000
L3 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L4

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L4-2500.IES
LUMENS = 25000
L4 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L5

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L5-2500.IES
LUMENS = 25000
L5 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L6

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L6-2500.IES
LUMENS = 25000
L6 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L7

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L7-2500.IES
LUMENS = 25000
L7 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

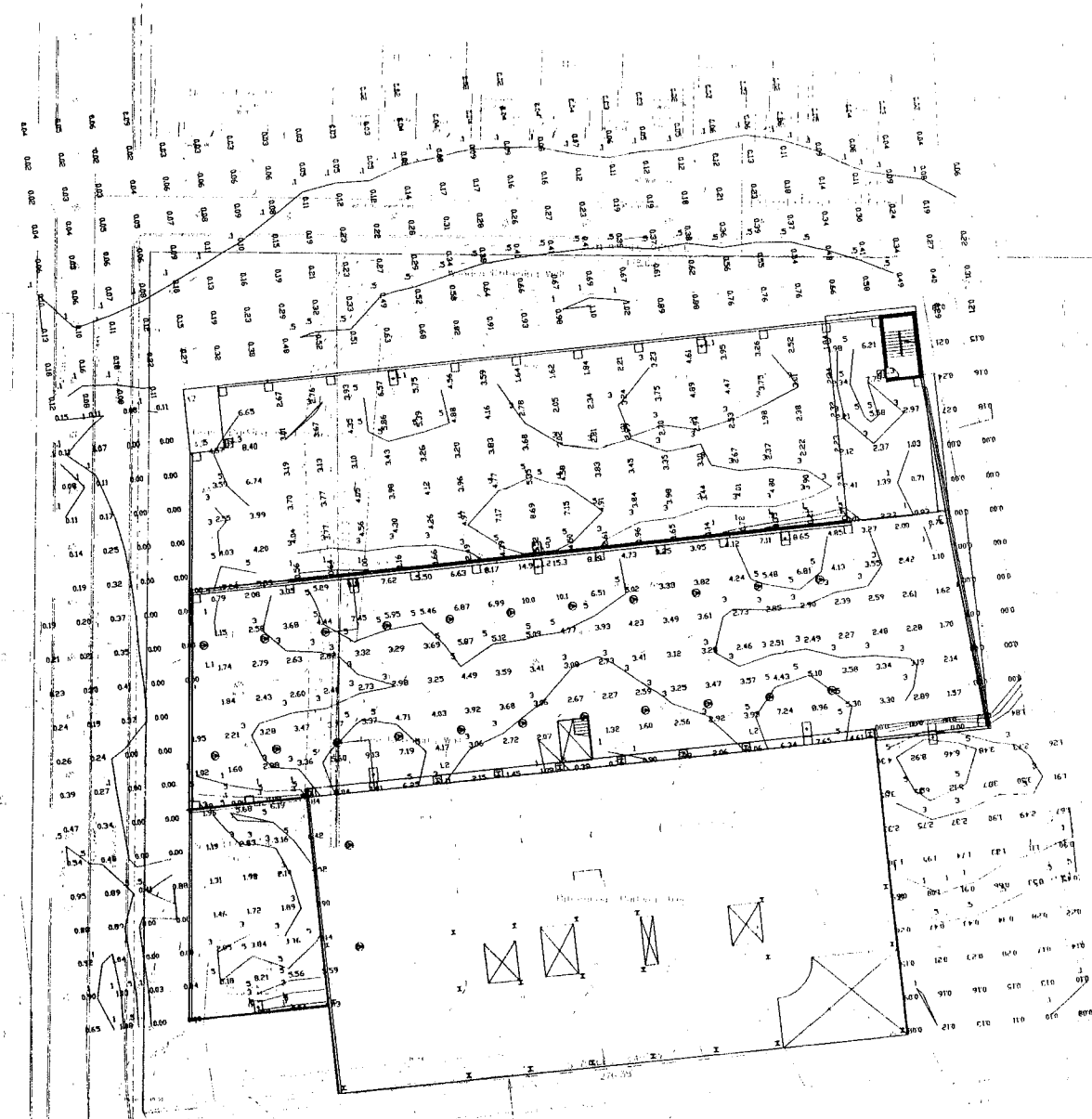
LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES

LUMINAIRE - L8

CAD SYMBOL = RECT SW
CAD SYMBOL SIZE = 4
FILENAME = C:\AS\LIGHT\PHOTO\IN\PLAN\L8-2500.IES
LUMENS = 25000
L8 = 0
SPIN = 0

KIM LIGHTING
AND/CONV HPS
250 WATT HPS CLEAR WITH HESS-STEIN SHIELD
TYPE 112
FILE NO
EQUATION

LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1
WATTAGE = 250
LUMENS PER WATT (Efficacy) = 1000
LENGTH = 1.00
HEIGHT = 0
FACTORS: MULTIPLIER = 1 BALLAST = 1 BALLAST LAMP = 1
NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF HORIZONTAL ANGLES = 72 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
NO SCALE

Carl Walker
Parking Walker
Planning Engineering Restoration

Carl Walker, Inc.
13747 Montfort Dr.
Suite 105
Dallas, TX 75240
U.S.A.

Phone (972) 468-0855
Fax (972) 468-0840

Project Title
MAINE MEDICAL CENTER
MEDICAL OFFICE BUILDING
PARKING STRUCTURE AND
OVERHEAD CONNECTOR
PORTLAND, MAINE

Civil Project No.
3500

Key Plan

Consultants
MEDI PLEX
MEDICAL BUILDING CONSULTANTS
1375 PLANK ROAD
PLANS, TEXAS 75067 FAX 702-744-0904

No.	Date	Revision Description
		ISSUED FOR BID
12-18-97		66% C.D. REVIEW
11-20-97		33% C.D. REVIEW
10-22-97		100% D.D. REVIEW
10-2-97		50% D.D. REVIEW
Date		Submission Type

Drawing Status

Drawing Title
SITE LIGHTING LEVELS

Prepared By: JDR
Checked By: FCV

Drawing Number
LIGHTING STUDY

ENTRANCE AREA
 AVERAGE FC = 1.54
 MAXIMUM FC = 16.4
 MINIMUM FC = 0
 AVERAGE FOOT-CANDELS = 0
 MAXIMUM FOOT-CANDELS = 0
 TOTAL NUMBER OF POINTS = 571

PLANE - GROUND
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFT CORNER OF PLANE
 X = 272.31 Y = 272.31 Z = 0
 UPPER RIGHT CORNER OF PLANE
 X = 312.31 Y = 312.31 Z = 0
 LIGHT HEIGHT IS NORMAL TO PLANE

AVERAGE FC = 48
 MAXIMUM FC = 1.27
 MINIMUM FC = 0
 AVERAGE FOOT-CANDELS = 16
 MAXIMUM FOOT-CANDELS = 42.37
 TOTAL NUMBER OF POINTS = 872

PLANE - TOP LEVEL
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFT CORNER OF PLANE
 X = 272.31 Y = 272.31 Z = 0
 UPPER RIGHT CORNER OF PLANE
 X = 312.31 Y = 312.31 Z = 0
 LIGHT HEIGHT IS NORMAL TO PLANE

AVERAGE FC = 2.44
 MAXIMUM FC = 16.4
 MINIMUM FC = 0
 AVERAGE FOOT-CANDELS = 0
 MAXIMUM FOOT-CANDELS = 0
 TOTAL NUMBER OF POINTS = 181

PLANE - RAMP TOP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFT CORNER OF PLANE
 X = 272.31 Y = 272.31 Z = 0
 UPPER RIGHT CORNER OF PLANE
 X = 312.31 Y = 312.31 Z = 0
 LIGHT HEIGHT IS NORMAL TO PLANE

AVERAGE FC = 1.44
 MAXIMUM FC = 2.47
 MINIMUM FC = 0
 AVERAGE FOOT-CANDELS = 0
 MAXIMUM FOOT-CANDELS = 0
 TOTAL NUMBER OF POINTS = 30

PLANE - RAMP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFT CORNER OF PLANE
 X = 272.31 Y = 272.31 Z = 0
 UPPER RIGHT CORNER OF PLANE
 X = 312.31 Y = 312.31 Z = 0
 LIGHT HEIGHT IS NORMAL TO PLANE

AVERAGE FC = 2.44
 MAXIMUM FC = 16.4
 MINIMUM FC = 0
 AVERAGE FOOT-CANDELS = 0
 MAXIMUM FOOT-CANDELS = 0
 TOTAL NUMBER OF POINTS = 104

LUMINAIRE - L1

CAD SYMBOL = RECT 576
 CAD SYMBOL SIZE = 1
 FILENAME = C:\MAGNET\LIGHT\PHOTO\KIN\LAN\LAN-2500-IES
 LUMENS = 25000
 LIT = 0
 SPIN = 0
 KIM LIGHTING
 MOUNTING HGT = 10
 50% MOUNTING HGT CLEARANCE
 TYPE = 11
 TILT = 0
 TILT-NAME
 LAMP = 1 LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCANDLING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 36 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 36 0 TO 180 DEGREES

LUMINAIRE - L2

CAD SYMBOL = RECT 576
 CAD SYMBOL SIZE = 1
 FILENAME = C:\MAGNET\LIGHT\PHOTO\KIN\LAN\LAN-2500-IES
 LUMENS = 25000
 LIT = 0
 SPIN = 0
 KIM LIGHTING
 MOUNTING HGT = 10
 50% MOUNTING HGT CLEARANCE
 TYPE = 11
 TILT = 0
 TILT-NAME
 LAMP = 1 LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCANDLING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 36 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 36 0 TO 180 DEGREES

LUMINAIRE - L3

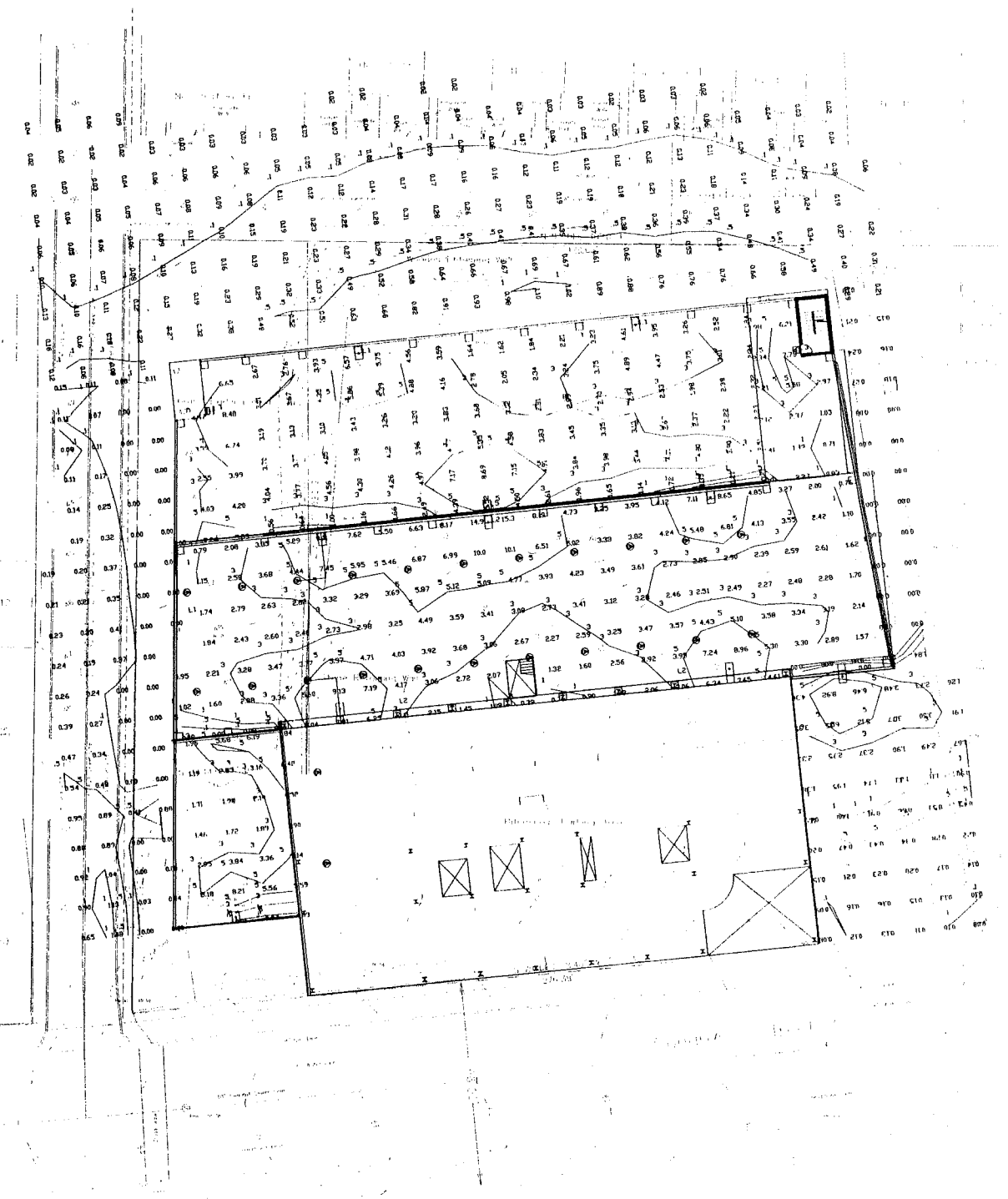
CAD SYMBOL = RECT 576
 CAD SYMBOL SIZE = 1
 FILENAME = C:\MAGNET\LIGHT\PHOTO\KIN\LAN\LAN-2500-IES
 LUMENS = 25000
 LIT = 0
 SPIN = 0
 KIM LIGHTING
 MOUNTING HGT = 10
 50% MOUNTING HGT CLEARANCE
 TYPE = 11
 TILT = 0
 TILT-NAME
 LAMP = 1 LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCANDLING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 36 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 36 0 TO 180 DEGREES

LUMINAIRE - L4

CAD SYMBOL = RECT 576
 CAD SYMBOL SIZE = 1
 FILENAME = C:\MAGNET\LIGHT\PHOTO\KIN\LAN\LAN-2500-IES
 LUMENS = 25000
 LIT = 0
 SPIN = 0
 KIM LIGHTING
 MOUNTING HGT = 10
 50% MOUNTING HGT CLEARANCE
 TYPE = 11
 TILT = 0
 TILT-NAME
 LAMP = 1 LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCANDLING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 36 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 36 0 TO 180 DEGREES

LUMINAIRE - L5

CAD SYMBOL = RECT 576
 CAD SYMBOL SIZE = 1
 FILENAME = C:\MAGNET\LIGHT\PHOTO\KIN\LAN\LAN-2500-IES
 LUMENS = 25000
 LIT = 0
 SPIN = 0
 KIM LIGHTING
 MOUNTING HGT = 10
 50% MOUNTING HGT CLEARANCE
 TYPE = 11
 TILT = 0
 TILT-NAME
 LAMP = 1 LUMENS/LAMP = 25000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMENS/FOOTCANDLING (FEET) WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST/LAMP = 1
 NUMBER OF VERTICAL ANGLES = 36 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 36 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
 NO SCALE

Carl Walker
 Planning Engineering Restoration
 Carl Walker, Inc.
 13747 Montfort Dr.
 Suite 105
 Dallas, Tx 75240
 U.S.A.
 Phone (972) 458-9856
 Fax (972) 458-9849

Project Title
MAINE MEDICAL CENTER
 MEDICAL OFFICE BUILDING
 PARKING STRUCTURE AND
 OVERHEAD CONNECTOR
 PORTLAND, MAINE
 Civil Project No.
 3500
 Key Plan

Client
MEDI PLEX
 MEDICAL BUILDING CORPORATION
 530 WILSON PARKWAY
 PLANO, TEXAS 75069-1141 (972) 940-0900

No.	Date	Revision Description
		ISSUED FOR BID
12-18-97		66X C.D. REVIEW
11-20-97		33X C.D. REVIEW
10-22-97		100X D.D. REVIEW
10-2-97		50X D.D. REVIEW
Date	Submitted To	

Drawing Status

Drawing Title
SITE LIGHTING LEVELS
 Date Plotted
 Drawn By
 JDR
 EGV
 Drawing Number
LIGHTING STUDY

1.0000 AREA
 AVERAGE FC = 1.54
 MAXIMUM FC = 16.4
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 371

PLANE - CORNER
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 177.03 Y = 272.96 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE
 X = 442.38 Y = 372.45 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 4.48
 MAXIMUM FC = 10.7
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 272

PLANE - TOP LEVEL
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 221.33 Y = 272.96 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE
 X = 442.38 Y = 372.45 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 2.48
 MAXIMUM FC = 10.4
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 181

PLANE - ROOF TOP
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 276.42 Y = 272.96 Z = 0
 UPPER RIGHTHAND CORNER OF PLANE
 X = 442.38 Y = 372.45 Z = 0
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 1.44
 MAXIMUM FC = 6.67
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 30

PLANE - 2ND FLOOR
 POINT SPACING LEFT-TO-RIGHT = 10 FT
 POINT SPACING TOP-TO-BOTTOM = 10 FT
 LOWER LEFTHAND CORNER OF PLANE
 X = 224.91 Y = 272.96 Z = -10
 UPPER RIGHTHAND CORNER OF PLANE
 X = 392.12 Y = 372.45 Z = -10
 LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 2.44
 MAXIMUM FC = 5.46
 MINIMUM FC = 0
 AVERAGE/MINIMUM = 0
 MAXIMUM/MINIMUM = 0
 TOTAL NUMBER OF POINTS = 108

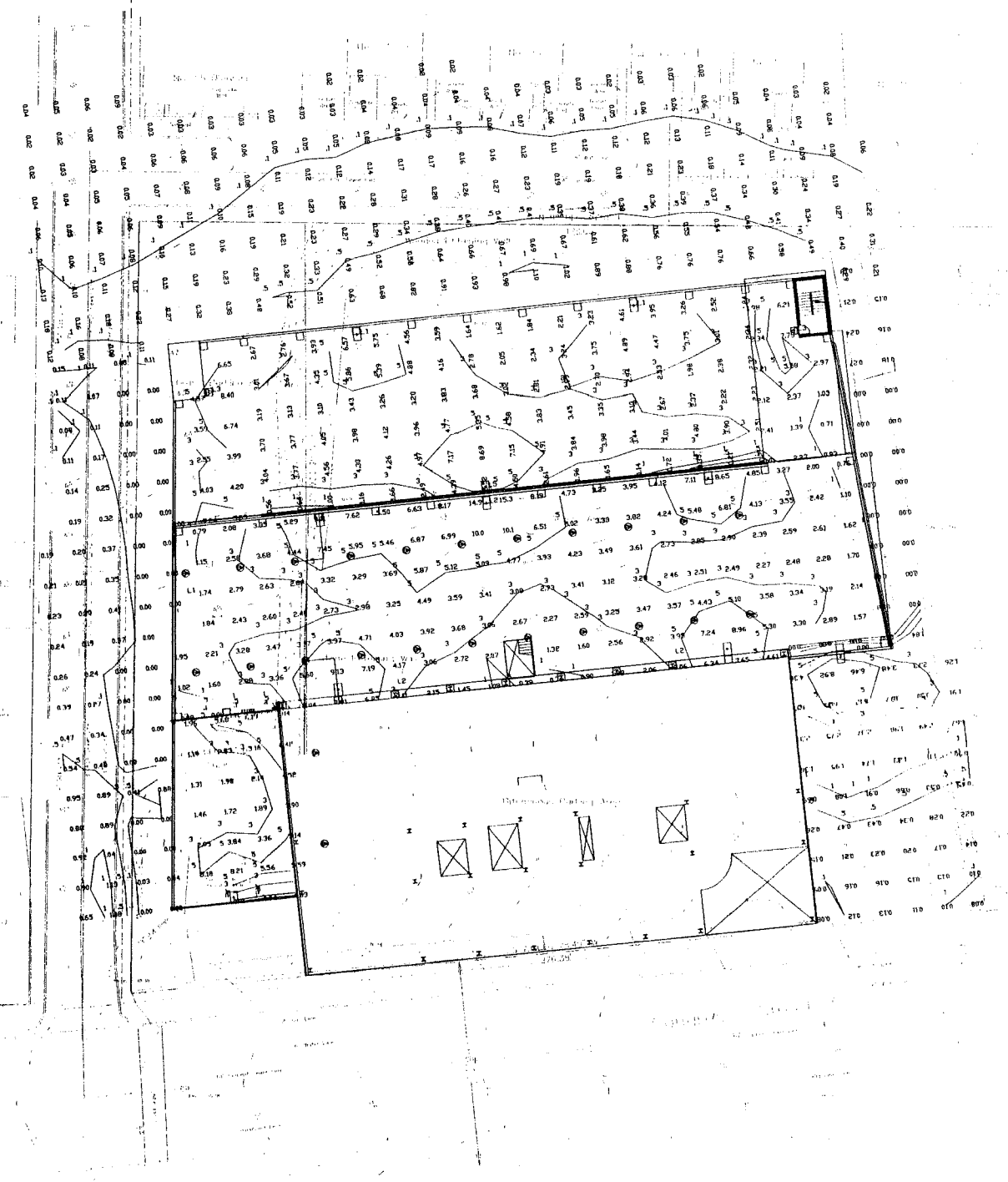
LUMINAIRE - L1
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\LUMIN\LIGHT\PHOTO\KIM\AREA2\2505.LES
 LUMENS = 3000
 L1 = 0
 DPH = 0
 KIM LIGHTING
 APPLICATION WPS
 250 WATT HPS CLEAR
 TYPE I1
 TILT=NONE
 (CAD) 250
 TILT=NONE
 LUMENS = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMINOUS BOUNDING FEET / WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE - L2
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\LUMIN\LIGHT\PHOTO\KIM\AREA2\2505.LES
 LUMENS = 3000
 L2 = 0
 DPH = 0
 KIM LIGHTING
 APPLICATION WPS
 250 WATT HPS CLEAR
 TYPE I1
 TILT=NONE
 (CAD) 250
 TILT=NONE
 LUMENS = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMINOUS BOUNDING FEET / WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE - L3
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\LUMIN\LIGHT\PHOTO\KIM\AREA2\2505.LES
 LUMENS = 3000
 L3 = 0
 DPH = 0
 KIM LIGHTING
 APPLICATION WPS
 250 WATT HPS CLEAR
 TYPE I1
 TILT=NONE
 (CAD) 250
 TILT=NONE
 LUMENS = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMINOUS BOUNDING FEET / WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE - L4
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\LUMIN\LIGHT\PHOTO\KIM\AREA2\2505.LES
 LUMENS = 3000
 L4 = 0
 DPH = 0
 KIM LIGHTING
 APPLICATION WPS
 250 WATT HPS CLEAR
 TYPE I1
 TILT=NONE
 (CAD) 250
 TILT=NONE
 LUMENS = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMINOUS BOUNDING FEET / WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES

LUMINAIRE - L5
 CAD SYMBOL = RECT.SYM
 CAD SYMBOL SIZE = 4
 FILENAME = C:\LUMIN\LIGHT\PHOTO\KIM\AREA2\2505.LES
 LUMENS = 3000
 L5 = 0
 DPH = 0
 KIM LIGHTING
 APPLICATION WPS
 250 WATT HPS CLEAR
 TYPE I1
 TILT=NONE
 (CAD) 250
 TILT=NONE
 LUMENS = 1 LUMENS/LAMP = 3000 PHOTOMETRIC TYPE = 1 WATT = 250
 LUMINOUS BOUNDING FEET / WIDTH = 1.25 LENGTH = 1.25 HEIGHT = 0
 FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
 NUMBER OF VERTICAL ANGLES = 37 0 TO 90 DEGREES
 NUMBER OF HORIZONTAL ANGLES = 22 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
 NO SCALE

Carl Walker
 Planning Engineering Restoration
 Carl Walker, Inc.
 13747 Montfort Dr.
 Suite 108
 Dallas, Tx 75240
 U.S.A.
 Phone (972) 468-0855
 Fax (972) 468-0840

Project Title
MAINE MEDICAL CENTER
 MEDICAL OFFICE BUILDING
 PARKING STRUCTURE AND
 OVERHEAD CONNECTOR
 PORTLAND, MAINE
 Civil Project No.
 3500
 Key Plan

CONSULTANTS
MEDI PLEX
 MEDICAL BUILDING CORPORATION
 3308 W. JACO PARKWAY
 IRVING, TEXAS 75039-1143

No.	Date	Revision Description
		ISSUED FOR BID
12-18-97		66X C.D. REVIEW
11-20-97		33X C.D. REVIEW
10-22-97		100X D.D. REVIEW
10-2-97		50X D.D. REVIEW
Date	Submittal Type	

Drawing Status

Drawing Title
SITE LIGHTING LEVELS
 Pa. / PC
 JDR
 Drawn By
 EDG
 Drawing Number
LIGHTING STUDY

INTERIOR AREA

AVERAGE FC = 1.64
MAXIMUM FC = 1.84
MINIMUM FC = 0.77
AVG/NUM/STDEV = 0
MAX/MIN/STDEV/STDEV = 0
TOTAL NUMBER OF POINTS = 373

PLANE = GROUND
POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 113.00 Y = 210.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 113.00 Y = 270.00 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 1.48
MAXIMUM FC = 1.67
MINIMUM FC = 0.71
AVG/NUM/STDEV = 0
MAX/MIN/STDEV/STDEV = 0
TOTAL NUMBER OF POINTS = 272

PLANE = TOP LEVEL
POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 113.00 Y = 210.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 113.00 Y = 270.00 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 0.61
MAXIMUM FC = 0.74
MINIMUM FC = 0.27
AVG/NUM/STDEV = 0
MAX/MIN/STDEV/STDEV = 0
TOTAL NUMBER OF POINTS = 183

PLANE = ROOM TOP
POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 113.00 Y = 210.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 113.00 Y = 270.00 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 1.44
MAXIMUM FC = 1.67
MINIMUM FC = 0.71
AVG/NUM/STDEV = 0
MAX/MIN/STDEV/STDEV = 0
TOTAL NUMBER OF POINTS = 30

PLANE = RAMP
POINT SPACING LEFT-TO-RIGHT = 10 FT
POINT SPACING TOP-TO-BOTTOM = 10 FT
LOWER LEFT CORNER OF PLANE
X = 113.00 Y = 210.00 Z = 0.00
UPPER RIGHT CORNER OF PLANE
X = 113.00 Y = 270.00 Z = 0.00
LIGHT METER IS NORMAL TO PLANE

AVERAGE FC = 2.44
MAXIMUM FC = 2.64
MINIMUM FC = 0.89
AVG/NUM/STDEV = 0
MAX/MIN/STDEV/STDEV = 0
TOTAL NUMBER OF POINTS = 108

LUMINAIRE = L1

CAD SYMBOL = RECT 5/16
CAD SYMBOL SIZE = 4
FILENAME = C:\AGL\LIGHT\PHOTO\KIN\KIN\KIN\KIN\KIN.DES
LUMENS = 3000
LLX = 0
LLY = 0
LLEN = 0
LWID = 0

WIM LIGHTING
MOUNTING HEIGHT = 30.00 FT
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1

LUMENS/LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 300
LUMENS PER FOOT (FEET) WIDTH = 1.00 LENGTH = 1.00 HEIGHT = 0.00
FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
NUMBER OF HORIZONTAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF VERTICAL ANGLES = 20 0 TO 180 DEGREES

LUMINAIRE = L2

CAD SYMBOL = RECT 5/16
CAD SYMBOL SIZE = 4
FILENAME = C:\AGL\LIGHT\PHOTO\KIN\KIN\KIN\KIN\KIN.DES
LUMENS = 3000
LLX = 0
LLY = 0
LLEN = 0
LWID = 0

WIM LIGHTING
MOUNTING HEIGHT = 30.00 FT
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1

LUMENS/LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 300
LUMENS PER FOOT (FEET) WIDTH = 1.00 LENGTH = 1.00 HEIGHT = 0.00
FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
NUMBER OF HORIZONTAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF VERTICAL ANGLES = 20 0 TO 180 DEGREES

LUMINAIRE = L3

CAD SYMBOL = RECT 5/16
CAD SYMBOL SIZE = 4
FILENAME = C:\AGL\LIGHT\PHOTO\KIN\KIN\KIN\KIN\KIN.DES
LUMENS = 3000
LLX = 0
LLY = 0
LLEN = 0
LWID = 0

WIM LIGHTING
MOUNTING HEIGHT = 30.00 FT
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1

LUMENS/LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 300
LUMENS PER FOOT (FEET) WIDTH = 1.00 LENGTH = 1.00 HEIGHT = 0.00
FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
NUMBER OF HORIZONTAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF VERTICAL ANGLES = 20 0 TO 180 DEGREES

LUMINAIRE = L4

CAD SYMBOL = RECT 5/16
CAD SYMBOL SIZE = 4
FILENAME = C:\AGL\LIGHT\PHOTO\KIN\KIN\KIN\KIN\KIN.DES
LUMENS = 3000
LLX = 0
LLY = 0
LLEN = 0
LWID = 0

WIM LIGHTING
MOUNTING HEIGHT = 30.00 FT
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1

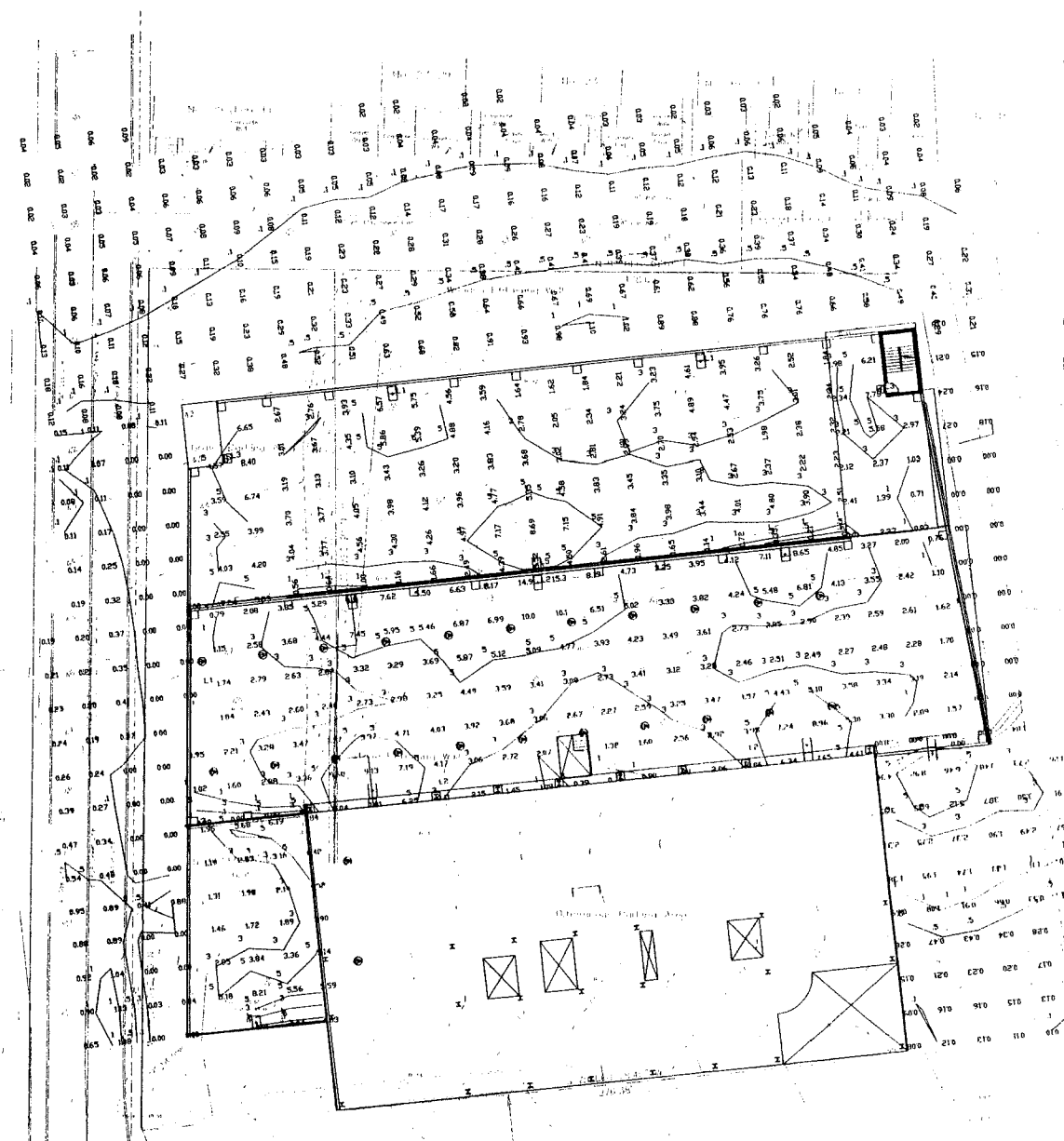
LUMENS/LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 300
LUMENS PER FOOT (FEET) WIDTH = 1.00 LENGTH = 1.00 HEIGHT = 0.00
FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
NUMBER OF HORIZONTAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF VERTICAL ANGLES = 20 0 TO 180 DEGREES

LUMINAIRE = L5

CAD SYMBOL = RECT 5/16
CAD SYMBOL SIZE = 4
FILENAME = C:\AGL\LIGHT\PHOTO\KIN\KIN\KIN\KIN\KIN.DES
LUMENS = 3000
LLX = 0
LLY = 0
LLEN = 0
LWID = 0

WIM LIGHTING
MOUNTING HEIGHT = 30.00 FT
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1
MOUNTING TYPE = 1

LUMENS/LAMP = 30000 PHOTOMETRIC TYPE = 1 WATTS = 300
LUMENS PER FOOT (FEET) WIDTH = 1.00 LENGTH = 1.00 HEIGHT = 0.00
FACTORY MULTIPLIER = 1 BALLAST = 1 BALLAST-LAMP = 1
NUMBER OF HORIZONTAL ANGLES = 37 0 TO 90 DEGREES
NUMBER OF VERTICAL ANGLES = 20 0 TO 180 DEGREES



TOP LEVEL LIGHTING PLAN
NO SCALE

Carl Walker
Parking Engineering Restoration

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13747 Montfort Dr.
Suite 105
Dallas, TX 75240
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Fax (972) 468-9649

Project Title
MAINE MEDICAL CENTER
MEDICAL OFFICE BUILDING
PARKING STRUCTURE AND
OVERHEAD CONNECTOR

PORTLAND, MAINE

Est. Project No.
3500

Key Plan

Consultants
MEDIPLIX
MEDICAL BUILDING CORPORATION
5300 W. PLANO PARKWAY
PLANO, TEXAS 75075-1140

No.	Date	Revision Description
		ISSUED FOR BID
12-18-97		66% C.D. REVIEW
11-20-97		33% C.D. REVIEW
10-22-97		100% O.D. REVIEW
10-2-97		50% O.D. REVIEW
Date		Submission Type

Drawing Station

Drawing Title
SITE LIGHTING LEVELS

PA - PE
JDR
EJV

Drawing Number
LIGHTING STUDY