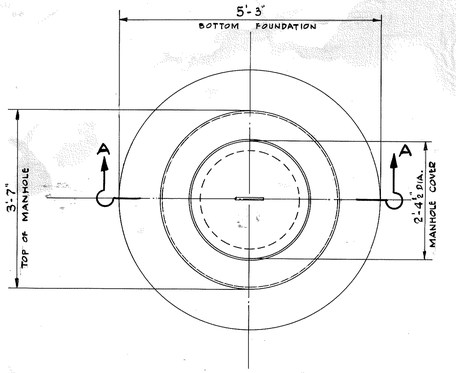
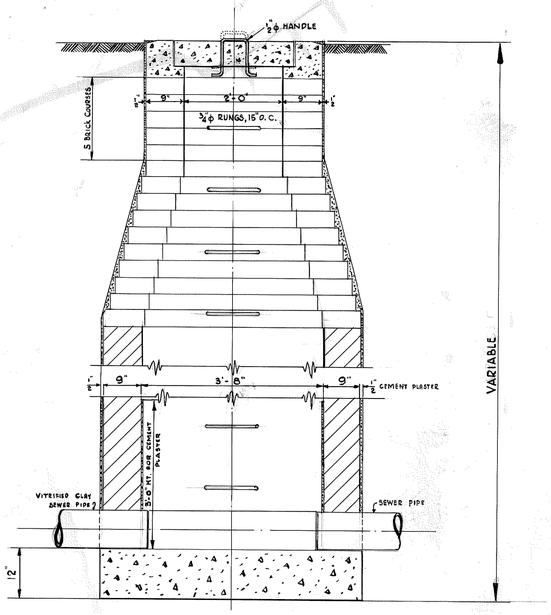
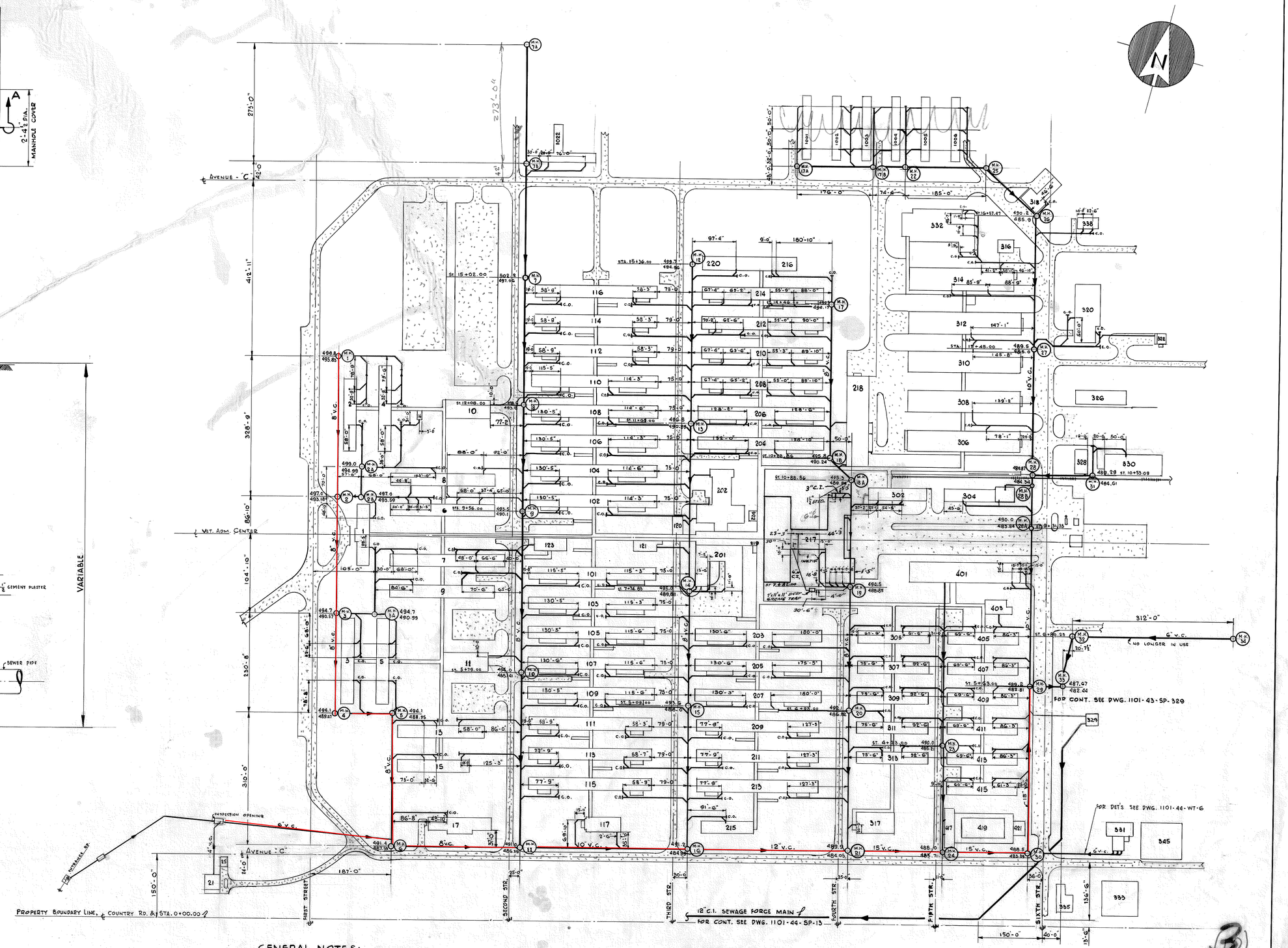


— PLAN OF MANHOLE —

SCALE: ¾"=1'-0"



— SECTION A-A —



GENERAL NOTES:

1. THE TOP FIGURE PLACED AT EACH M.H. DENOTES ELEVATION OF M.H. COVER. THE BOTTOM FIG. REPRESENTS INVERT ELEVATION OF OUTGOING PIPE.
2. EVERY BRANCH OF S.S. COMING FROM BLDG'S IS ALWAYS 12ft. AWAY FROM OUTSIDE WALL OF THE BUILDING.
3. EVERY BRANCH COMING INDIVIDUALLY FRM. BLDG. IS 6" φ, UNLESS NOTED OTHERWISE.
4. MAN HOLES ARE LOCATED ON THIS PLAN BY STATIONS, STARTING FROM BOUNDARY PROPERTY LINE, WHICH IS STATION ZERO.
5. C.O. INDICATES A "clean out".

REFERENCE DWG'S:

1. SANITARY & STORM SEWER DETAILS - CORPS OF ENGINEERS, U.S. ARMY, MAR. 5, 1943 - 1101-43-SS-4
2. SANITARY SEWER SYSTEM; CORPS OF ENGINEERS, U.S. ARMY; MAR. 5, 1943 - 1101-43-SS-1
3. DETAILED PLANS OF WATER DISTRIBUTION, SANITARY & STORM SEWERS, QUADRANTS A&B; C. OF ENG. U.S.A. MAR. 25, 1944 - 1101-43-U-1.1
4. " " " " " " " " " " " " B&C; " " " AUG. 19, 1943 - 1101-43-U-3.1
5. " " " " " " " " " " " " C&D " " " MAR. 25, 1944 - 1101-43-U-2.1

REDRAWN BY "Q"
SEPT. 8, 1970
NEW DWG. No. 4000-2

(3)

VETERANS ADMINISTRATION CENTER
MARTINSBURG, W. VA.

SANITARY SEWER SYSTEM
PLAN & DETAILS

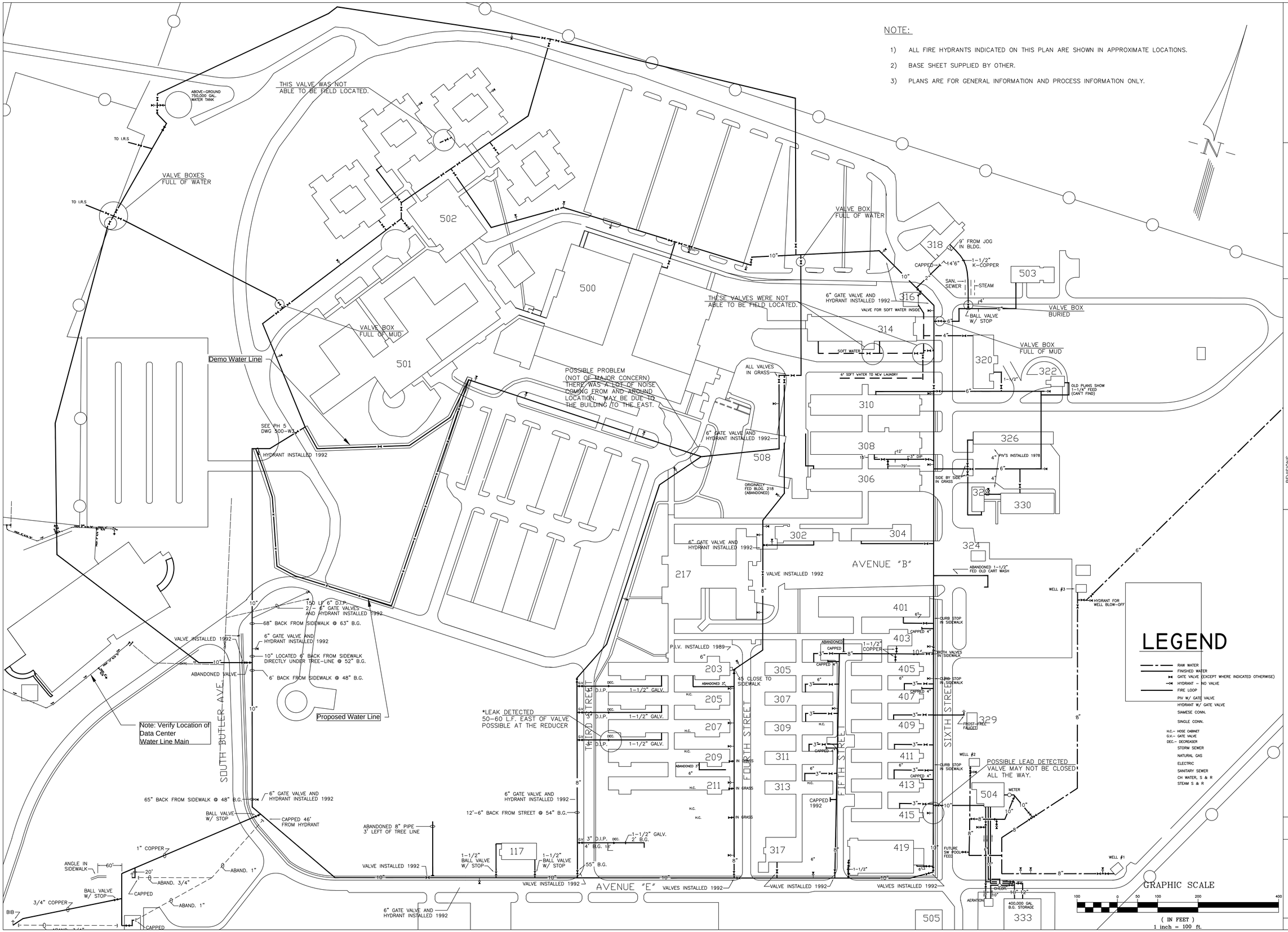
ENGINEERING DIVISION
OFFICE OF CHIEF ENGINEER J. L. Felton

MADE BY:	DATE:	SCALE:	SCALE - DETAIL - MH	APPROVED BY:
PETER M. ROMAST	AUG. 24, 1960	1"=100ft.	¾"=1'-0"	OLD No. 1101-PE-46-SS-4

FILE 5 NEW No. 4000-2

NOTE:

1) ALL FIRE HYDRANTS INDICATED ON THIS PLAN ARE SHOWN IN APPROXIMATE LOCATIONS.
2) BASE SHEET SUPPLIED BY OTHER.
3) PLANS ARE FOR GENERAL INFORMATION AND PROCESS INFORMATION ONLY.



HURON CONSULTING
20300 CENTURY BLVD
SUITE 125
GERMANTOWN, MD. 20874
PHONE: (301) 528-2010
FAX: (301) 528-2014
www.huroncon.com

DRW BY: RAF
CHK BY: JA
APP BY: JS

REVISIONS

DATE	DESCRIPTION

MEDICAL CENTER
DEPARTMENT OF VETERANS AFFAIRS
MARTINSBURG, VA

WATER LINE INSPECTION

SCALE
HORIZONTAL: 1" = 100'
VERTICAL: N/A

PROJECT NO.: 665-100

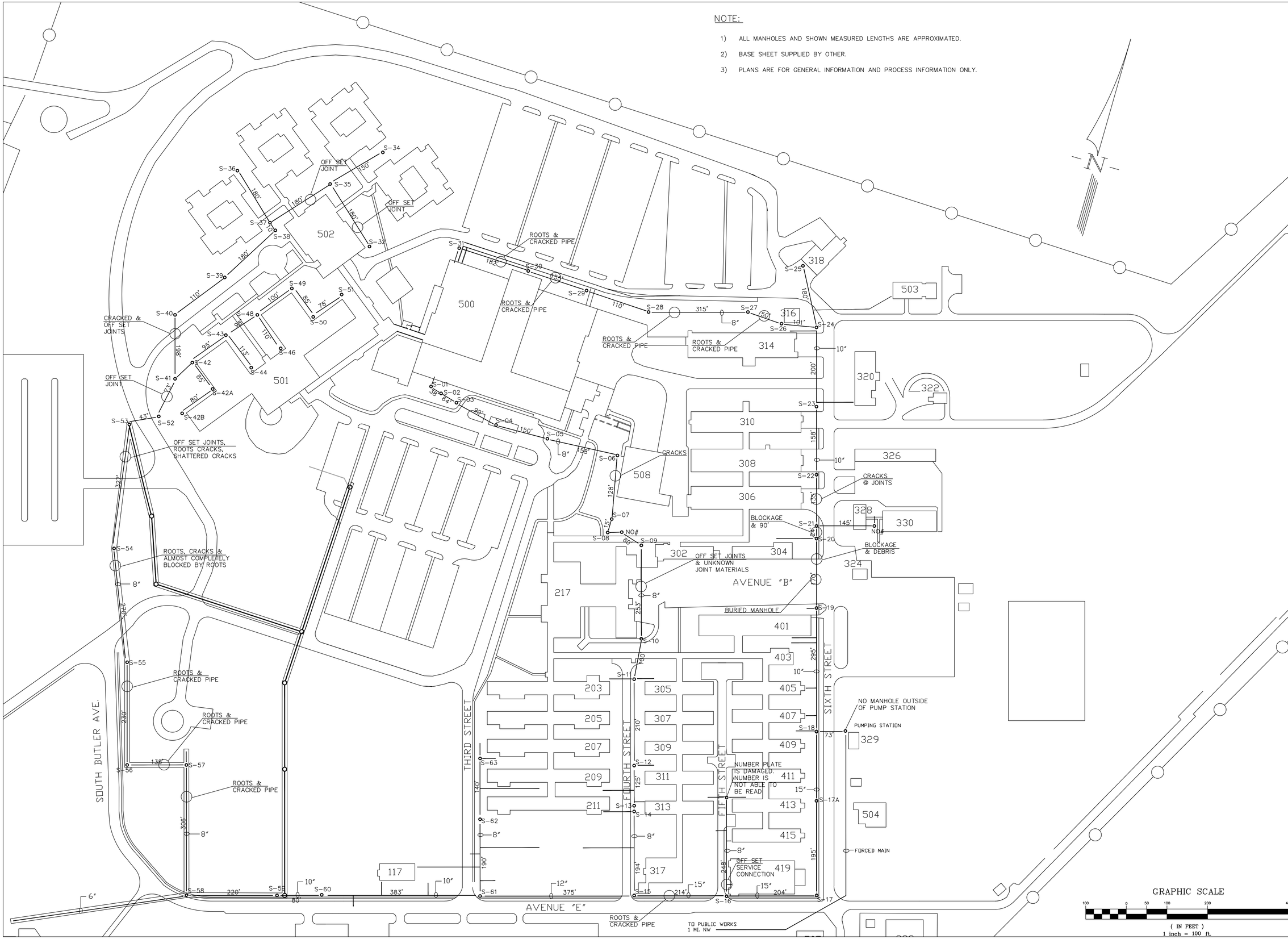
DRAWING NO.: U-01

SHEET: 1 OF 1

DATE: 1-9-2008

NOTE:

1) ALL MANHOLES AND SHOWN MEASURED LENGTHS ARE APPROXIMATED.
2) BASE SHEET SUPPLIED BY OTHER.
3) PLANS ARE FOR GENERAL INFORMATION AND PROCESS INFORMATION ONLY.



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DRW BY: RAF
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REVISIONS

△	DATE	DESCRIPTION

MEDICAL CENTER
DEPARTMENT OF VETERANS AFFAIRS
MARTINSBURG, VA

SANITARY SEWER LINE INSPECTION

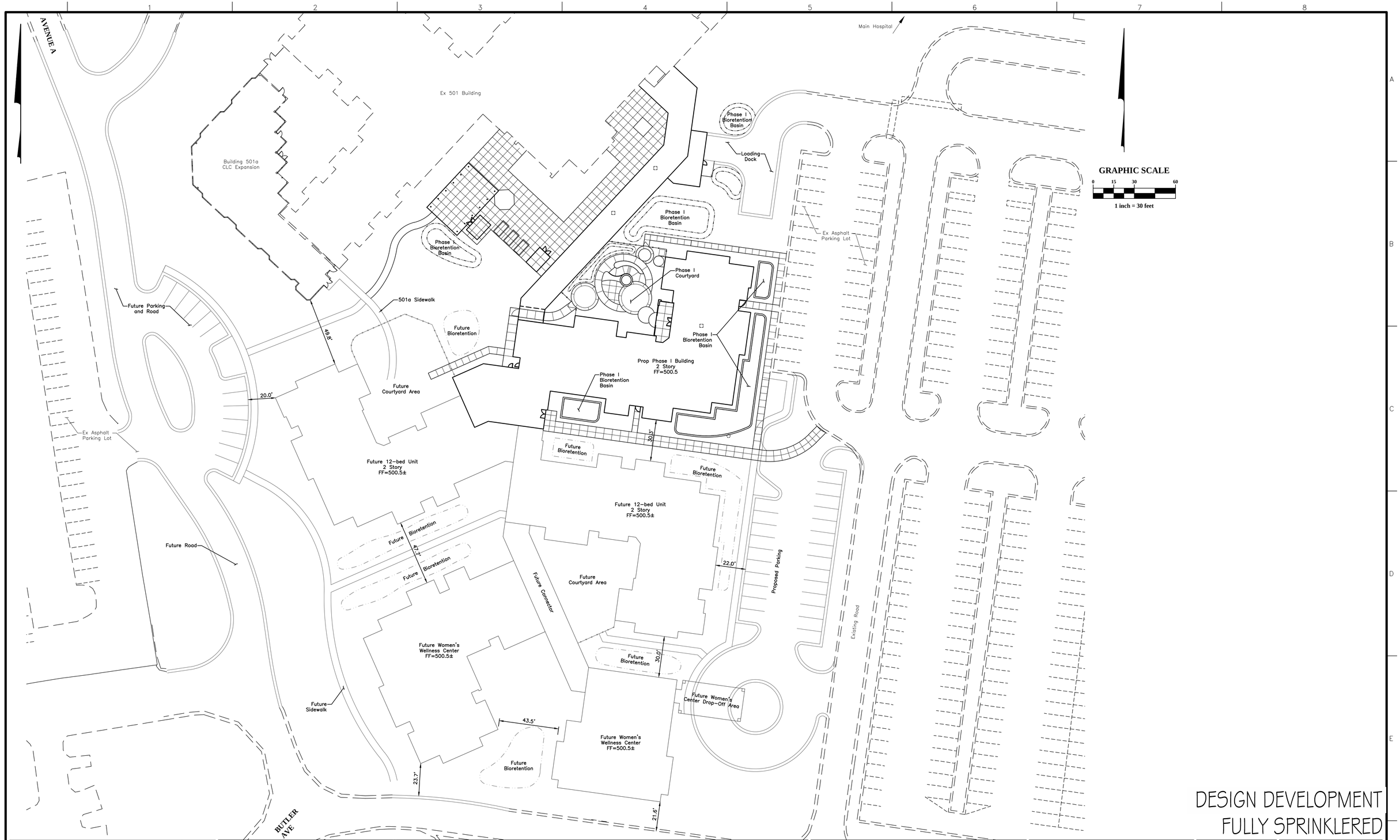
SCALE
HORIZONTAL: 1" = 100'
VERTICAL: N/A

PROJECT NO.: 665-100

DRAWING NO.: U-01

SHEET: 1 OF 1

DATE: 1-9-2008



DESIGN DEVELOPMENT
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

EMH&T
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

ARCHITECT/ENGINEERS:

C.C. HODGSON
ARCHITECTURAL GROUP INC

Drawing Title: MASTER PLAN AREA

Approved: Project Director

Project Title: DEMENTIA UNIT

Location: VAMC MARTINSBURG

Date: NOVEMBER 16, 2011 | Checked: JAM | Drawn: SBO

Project Number: VA PN 613-207

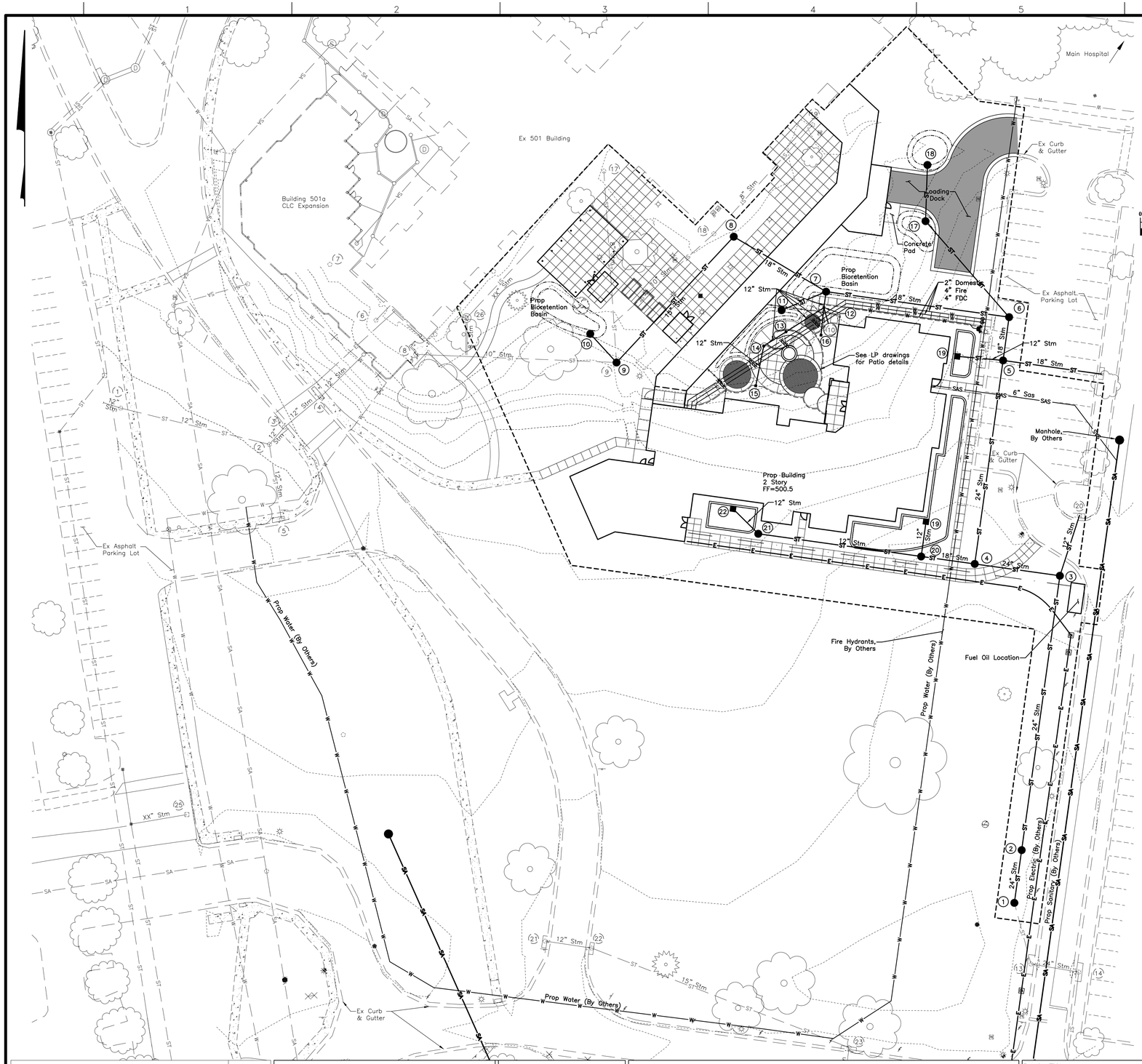
Building Number: Bldg No#

Drawing Number: CS101

Dwg. 2 of 15

Office of Construction and Facilities Management

Department of Veterans Affairs



GRAPHIC SCALE

0 15 30 60

1 inch = 30 feet

Existing Storm Structures			
Struc. #	Struc. Type	Rim Elev.	Invert
1	Manhole	499.33	Ex. 12" Inv. E = 496.51
			Ex. 12" Inv. W = 496.50
2	Manhole	500.27	Ex. 12" Inv. E = 496.87
			Ex. 12" Inv. W = 496.84
			Ex. 12" Inv. S =496.87
3	C&G Inlet	500.55	Ex. 12" Inv. W = 496.85
			Ex. 12" Inv. NE = 496.89
4	C&G Inlet	499.59	Ex. 12" Inv. SW = 497.56
			Ex. 12" Inv. NE = XXX.XX
5	C&G Inlet	499.64	Ex. 12" Inv. N = 497.16
6	Manhole	506.65	Ex. 4" Inv. N = 503.60
			Ex. 8" Inv. E = 503.52
			Ex. 8" Inv. W = 503.55
7	Manhole	506.78	Ex. 8" Inv. N = 503.78
			Ex. 8" Inv. E = 503.77
8	Manhole	506.34	Ex. 8" Inv. W = 502.40
			Ex. 8" Inv. NE = 502.27
9	Manhole	503.33	Ex. 8" Inv. N = 497.16
			Ex. 10" Inv. W = 497.23
			Ex. 15" Inv. S = 497.11
10	Catch Basin	688.98	Ex. 15" Inv. W = 495.91
			Ex. 12" Inv. NE = 495.88
			Ex. XX" Inv. S = 495.82
11	Catch Basin	501.11	Ex. 18" Inv. N = 494.96
			Ex. 18" Inv. E = 494.92
			Ex. 18" Inv. E = 494.41
12	Manhole	498.60	Ex. 18" Inv. N = 493.43
			Ex. 24" Inv. S = 493.30
			Ex. 12" Inv. E = 493.46
13	C&G Inlet	495.41	Ex. 24" Inv. N = 491.85
			Ex. 24" Inv. E = 491.84
14	C&G Inlet	686.66	Ex. 24" Inv. W = 491.61
			Ex. 24" Inv. S = 491.56
			Ex. 15" Inv. E = 492.05
15	Catch Basin	506.23	Ex. 12" Inv. SE = 500.93
16	Catch Basin	506.18	Ex. 12" Inv. S = 502.02
17	Manhole	507.15	Ex. 4" Inv. N = 501.55
			Ex. 6" Inv. NE = 501.26
			Ex. 8" Inv. S = 501.25
18	Manhole	507.11	Ex. 8" Inv. NE = 501.61
			Ex. 4" Inv. NW = 501.58
			Ex. 10" Inv. SW = 501.54
19	Manhole	507.18	Ex. 4" Inv. NE = 504.23
			Ex. 4" Inv. NW = 503.45
			Ex. 8" Inv. SW = 503.44
20	C&G Inlet	498.11	Ex. 12" Inv. W = 494.23
21	C&G Inlet	496.42	Ex. 12" Inv. E = 493.92
22	C&G Inlet	496.43	Ex. 15" Inv. E = 493.73
			Ex. 12" Inv. W = 493.74
23	C&G Inlet	495.48	Ex. 12" Inv. W = 492.90
			Ex. 15" Inv. S = 492.87
24	C&G Inlet	495.48	Ex. 15" Inv. N = 492.73
			Ex. 18" Inv. SW = 492.72
25	Catch Basin	496.81	Ex. XX" Inv. W = 494.57
26	Manhole	506.54	Ex. 8" Inv. N = 502.43
			Ex. 4" Inv. W = 502.48
			Ex. 8" Inv. SE = 502.42

LEGEND

Proposed

- Limits of Disturbance (1.91 Acres)
- Curb & Gutter
- Storm Sewer
- Storm Manhole
- 2'x2' Catch Basin
- Yard Drain
- Sanitary Service Lateral
- Water Service
- Water Valve
- Fire Department Connection
- Electric
- Electric Manhole
- Fuel Oil Line
- Loading Dock Pavement
- Sidewalk See Detail B, Sheet CS102

Existing

- Existing Sanitary Sewer
- Existing Storm Sewer
- Existing Water Main
- Existing Electric
- Existing Fire Hydrant
- Existing Water Valves
- Existing Electric Pull Box
- Existing Electric Outlet
- Existing Electric Pedestal Box
- Existing Wooden Light Pole
- Existing Metal Light Pole
- Existing Mailbox
- Existing Fence Post
- Existing Stop Sign
- Existing Trees
- Existing Bushes

DESIGN DEVELOPMENT
FULLY SPRINKLERED

Revisions: | Date

CONSULTANTS:

EMHT
Evans, Mechwart, Hambleton & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

ARCHITECT/ENGINEERS:

C.C. HODGSON
ARCHITECTURAL GROUP

Drawing Title: PROPOSED SITE & UTILITY PLAN

Approved: Project Director

Project Title: DEMENTIA UNIT

Location: VAMC MARTINSBURG

Date: NOVEMBER 16, 2011 | Checked: JAM | Drawn: SBO

Project Number: VA PN 613-207

Building Number: Bldg No#

Drawing Number: CS107

Dwg. 8 of 15

Office of Construction and Facilities Management

Department of Veterans Affairs

GRAPHIC SCALE

0 15 30 60

1 inch = 30 feet

LEGEND

Existing

Contours	506 / 505
Structure Number	(20)

Proposed

Contours	496 / 495
Spot Elevation	×500.00
Limits of Disturbance (1.91 Acres)	
Storm Structure Number	(3)

one inch = one foot

one half inch = one foot

one quarter inch = one foot

one eighth inch = one foot

three quarters inch = one foot

one and one half inches = one foot

DESIGN DEVELOPMENT
FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

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Phone: 614.775.4500 Toll Free: 888.775.3648
emht.com

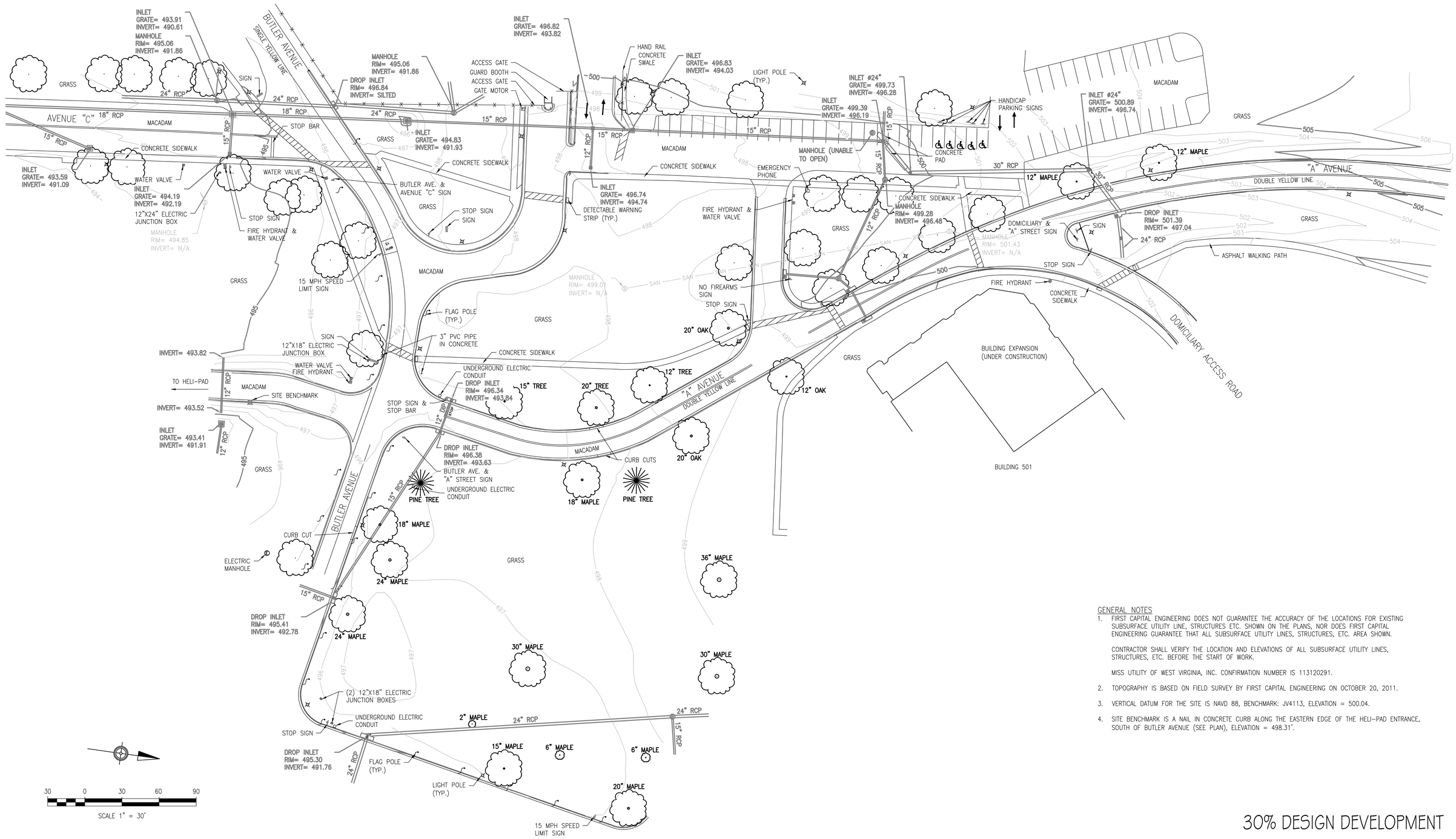
ARCHITECT/ENGINEERS:

C.C. HODGSON
ARCHITECTURAL GROUP

Drawing Title	PROPOSED GRADING PLAN
Approved: Project Director	
Project Title	DEMENTIA UNIT
Location	VAMC MARTINSBURG
Date	NOVEMBER 16, 2011
Checked	JAM
Drawn	SBO
Project Number	VA PN 613-207
Building Number	Bldg No#
Drawing Number	CS108
Dwg. 9 of 15	

Office of Construction and Facilities Management

Department of Veterans Affairs



GENERAL NOTES

1. FIRST CAPITAL ENGINEERING DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS FOR EXISTING SUBSURFACE UTILITY LINE, STRUCTURES ETC. SHOWN ON THE PLANS, NOR DOES FIRST CAPITAL ENGINEERING GUARANTEE THAT ALL SUBSURFACE UTILITY LINES, STRUCTURES, ETC. AREA SHOWN.

   CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATIONS OF ALL SUBSURFACE UTILITY LINES, STRUCTURES, ETC. BEFORE THE START OF WORK.

   MISS UTILITY OF WEST VIRGINIA, INC. CONFIRMATION NUMBER IS 113120291.

2. TOPOGRAPHY IS BASED ON FIELD SURVEY BY FIRST CAPITAL ENGINEERING ON OCTOBER 20, 2011.

3. VERTICAL DATUM FOR THE SITE IS NAVD 88, BENCHMARK: JV4113, ELEVATION = 500.04.

4. SITE BENCHMARK IS A NAIL IN CONCRETE CURB ALONG THE EASTERN EDGE OF THE HELI-PAD ENTRANCE, SOUTH OF BUTLER AVENUE (SEE PLAN), ELEVATION = 498.31'.

30% DESIGN DEVELOPMENT

Revisions	Date
REV PER 10% DESIGN REVIEW ROADWAY AND PARKING	12-9-11

CONSULTANTS:

ARCHITECT/ENGINEERS:

FIRST CAPITAL ENGINEERING

48 South Richland Avenue
York, PA 17404
Phone (717) 845-FCAP
FAX (717) 852-7891

Gettysburg, PA 17325
Phone (717) 337-3827
www.FCAP.com

☆ CIVIL ENGINEERS ☆ MUNICIPAL ENGINEERS ☆ ENVIRONMENTAL SCIENTISTS ☆
☆ LANDSCAPE ARCHITECTS ☆ PLANNERS ☆ SURVEYORS ☆

Drawing Title: ROADWAY REALIGNMENT EXISTING CONDITION PLAN

Approved: Project Director

Project Title: ROADWAY REALIGNMENT AND PARKING LOT EXPANSION

Location: VAMC MARTINSBURG, WV

Date: NOVEMBER 11, 2011 | Checked: JMG | Drawn: SMG

Project Number: 613-11-118

Building Number: 500 AND 501

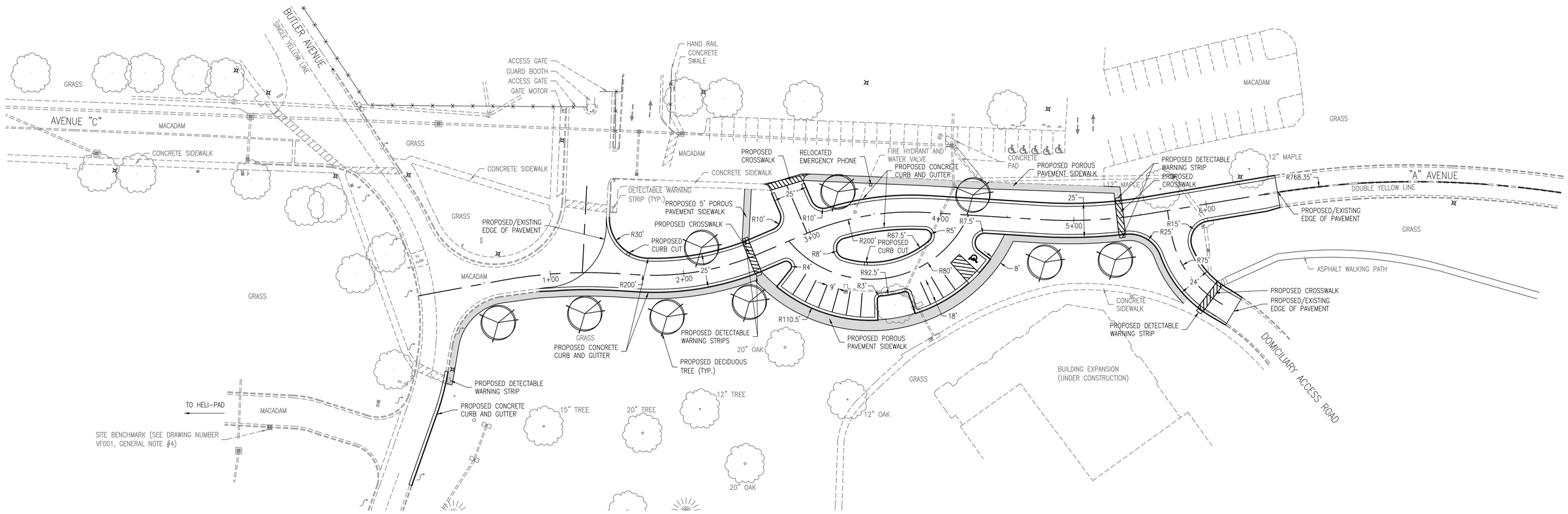
Drawing Number: VF001

Dwg. 3 of 11

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



REFERENCE PLAN SHEET CI001 (SHEET 11 OF 11)
FOR CONSTRUCTION DETAILS AND SPECIFICATION

30 0 30 60 90

SCALE 1" = 30'

30% DESIGN DEVELOPMENT

Revisions	Date
REV PER 10% DESIGN REVIEW ROADWAY AND PARKING	12-9-11

CONSULTANTS:

ARCHITECT/ENGINEERS:

FIRST CAPITAL ENGINEERING

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Drawing Title: "A" AVENUE REALIGNMENT SITE PLAN

Approved: Project Director

Project Title: ROADWAY REALIGNMENT AND PARKING LOT EXPANSION

Location: VAMC MARTINSBURG, WV

Date: NOVEMBER 11, 2011 | Checked: JMG | Drawn: SMG

Project Number: 613-11-118

Building Number: 500 AND 501

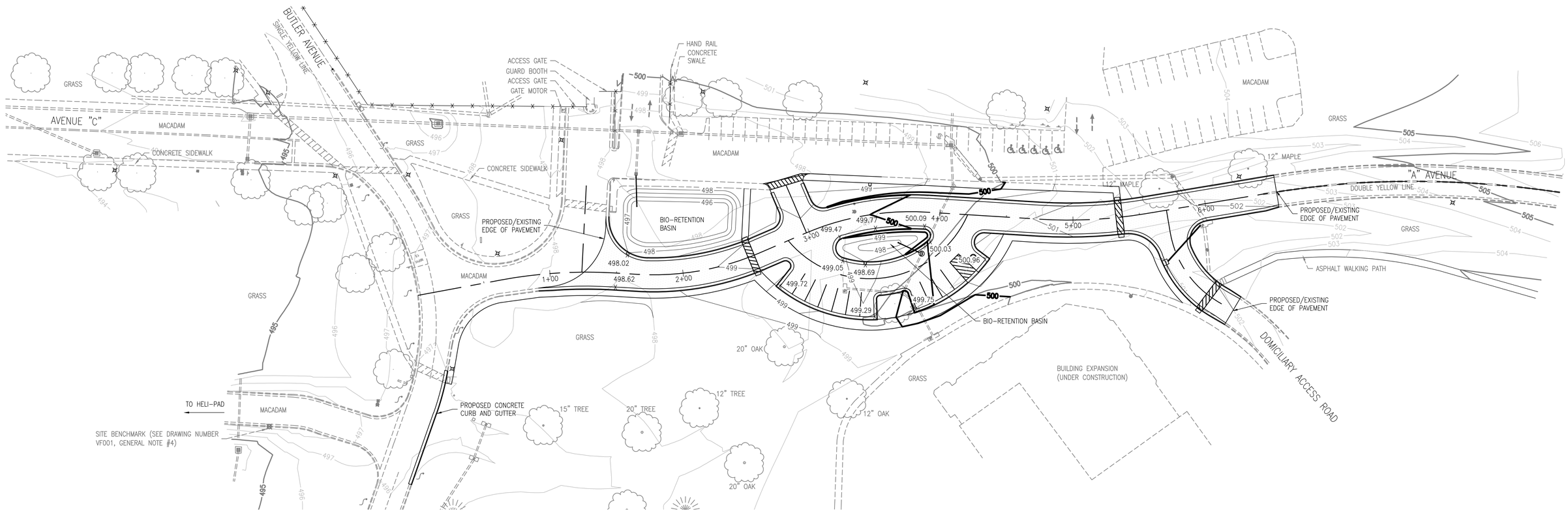
Drawing Number: CS001

Dwg. 5 of 11

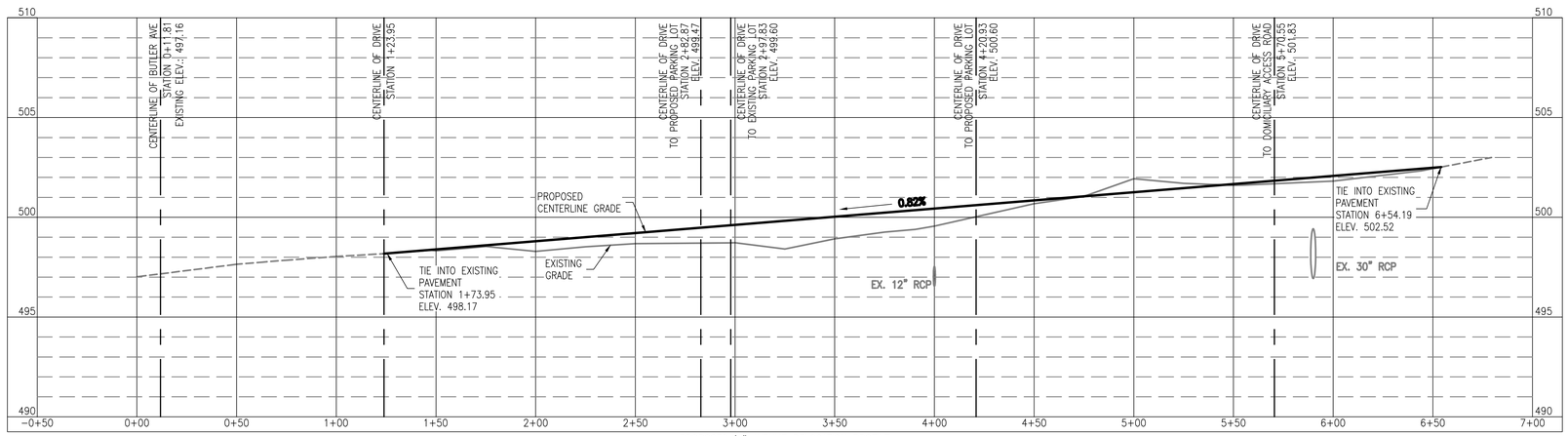
Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231



PROPOSED "A" AVENUE RELOCATION PLAN
SCALE: 1"=30'



PROPOSED "A" AVENUE RELOCATION PROFILE
SCALE: HORZ 1" = 30'
VERT 1" = 3'

30 0 30 60 90
SCALE 1" = 30'

30% DESIGN DEVELOPMENT

Revisions	Date
REV PER 10% DESIGN REVIEW ROADWAY AND PARKING	12-9-11

CONSULTANTS:

ARCHITECT/ENGINEERS:

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☆ LANDSCAPE ARCHITECTS ☆ PLANNERS ☆ SURVEYORS ☆

Drawing Title
"A" AVENUE REALIGNMENT
GRADING PLAN AND PROFILE

Approved: Project Director

Project Title
ROADWAY REALIGNMENT AND
PARKING LOT EXPANSION

Location
VAMC MARTINSBURG, WV

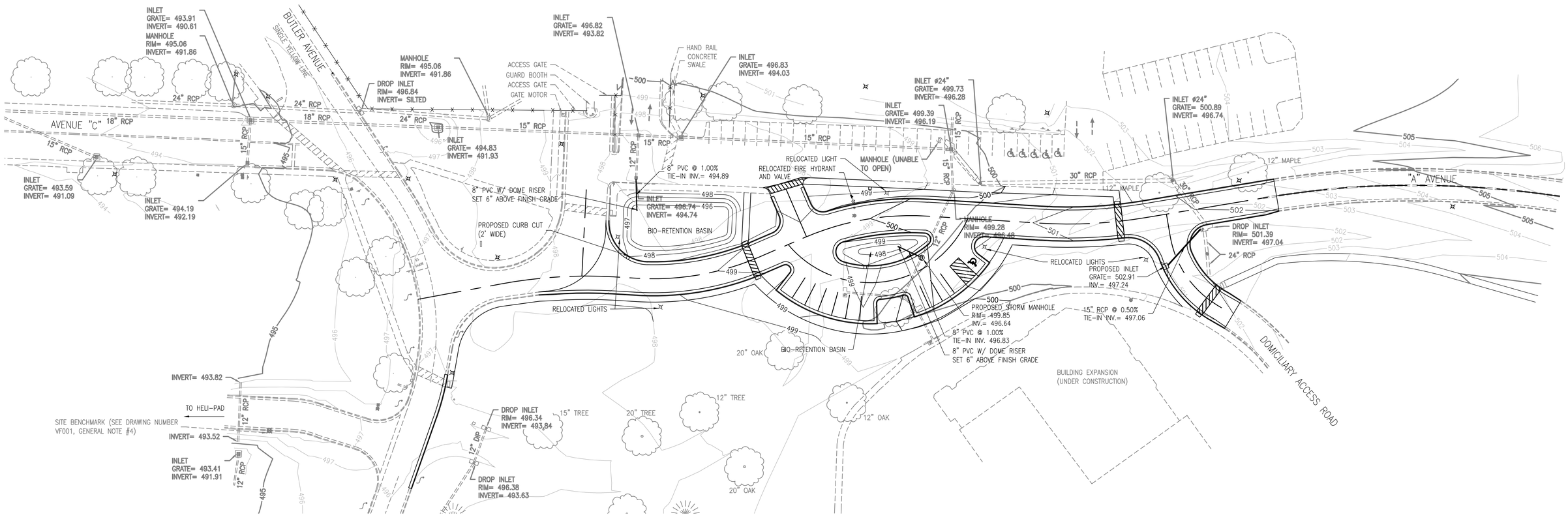
Date: NOVEMBER 11, 2011
Checked: JMG
Drawn: SMG

Project Number: 613-11-118
Building Number: 500 AND 501
Drawing Number: CG001
Dwg. 7 of 11

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

VA FORM 08-6231



REFERENCE PLAN SHEET CI001 (SHEET 11 OF 11)
FOR CONSTRUCTION DETAILS AND SPECIFICATION

30 0 30 60 90

SCALE 1" = 30'

30% DESIGN DEVELOPMENT

Revisions	Date
REV PER 10% DESIGN REVIEW ROADWAY AND PARKING	

CONSULTANTS:

ARCHITECT/ENGINEERS:

FIRST CAPITAL ENGINEERING

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☆ LANDSCAPE ARCHITECTS ☆ PLANNERS ☆ SURVEYORS ☆

Drawing Title: "A" AVENUE REALIGNMENT UTILITY PLAN

Approved: Project Director

Project Title: ROADWAY REALIGNMENT AND PARKING LOT EXPANSION

Location: VAMC MARTINSBURG, WV

Date: NOVEMBER 11, 2011 | Checked: JMG | Drawn: SMG

Project Number: 613-11-118

Building Number: 500 AND 501

Drawing Number: CU001

Dwg. 9 of 11

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231