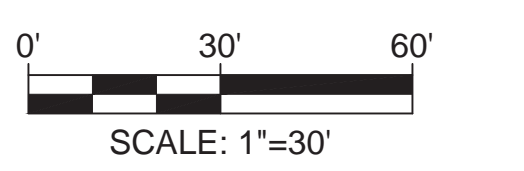


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E	F	G	H	I	
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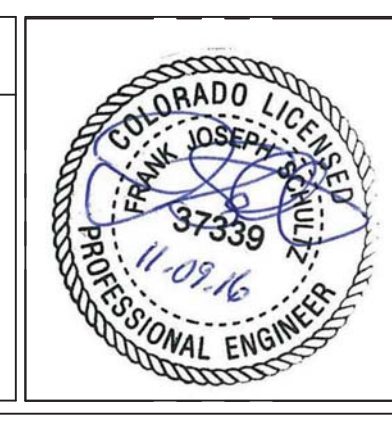


BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title
GRADING PLAN AREA F
(ADD ALTERNATE NO.3)

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
JRB

Drawn
MNJ

Project Number
933PC2002

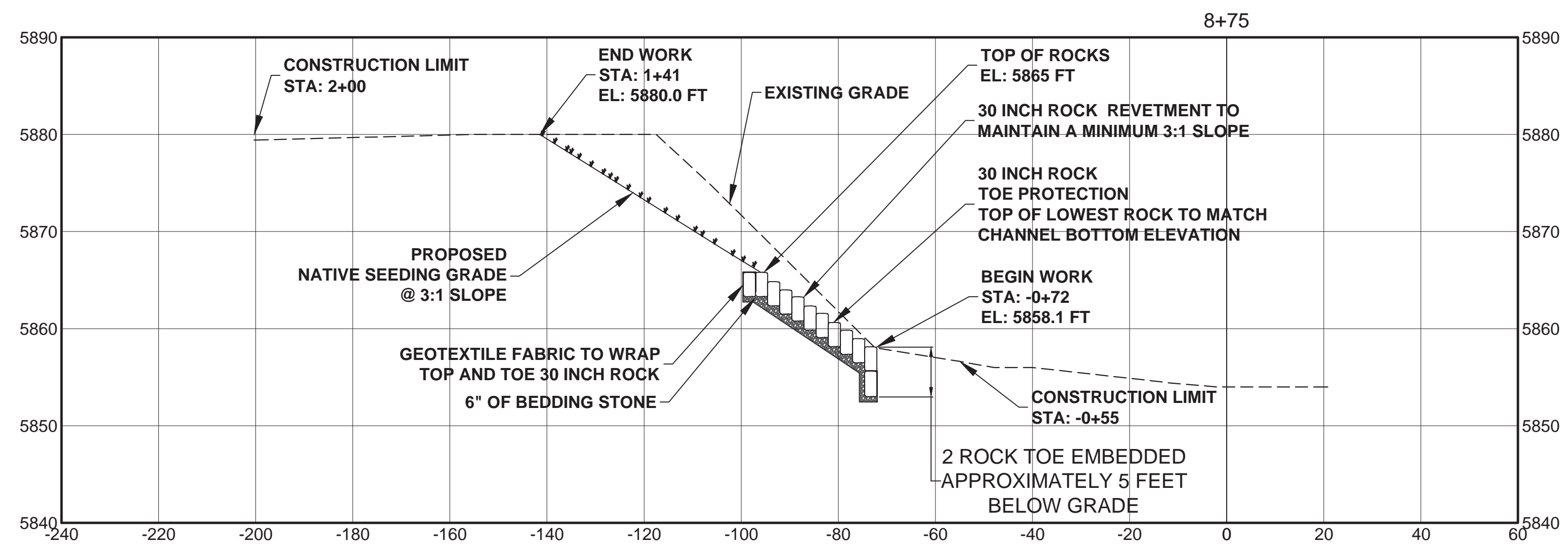
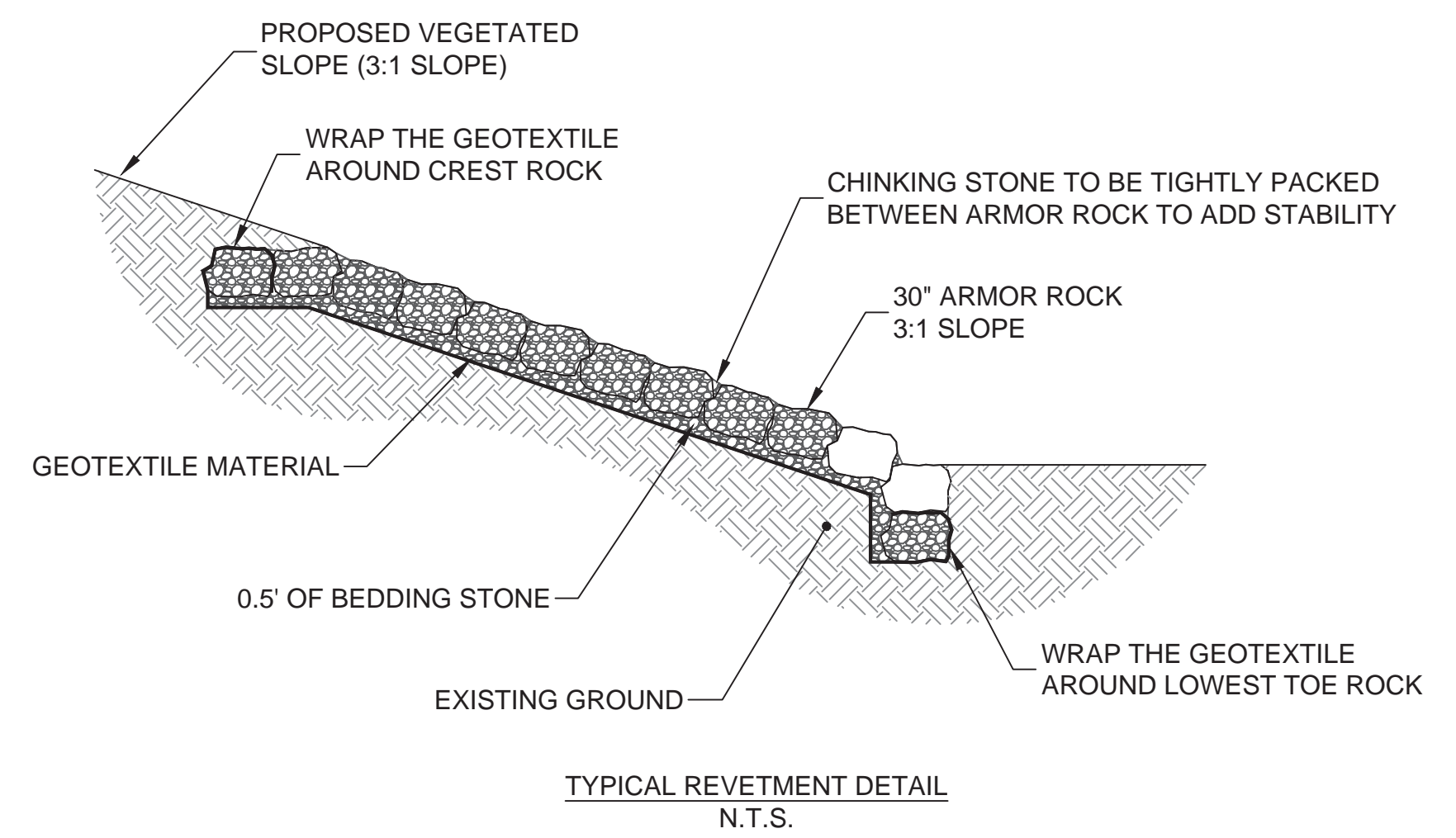
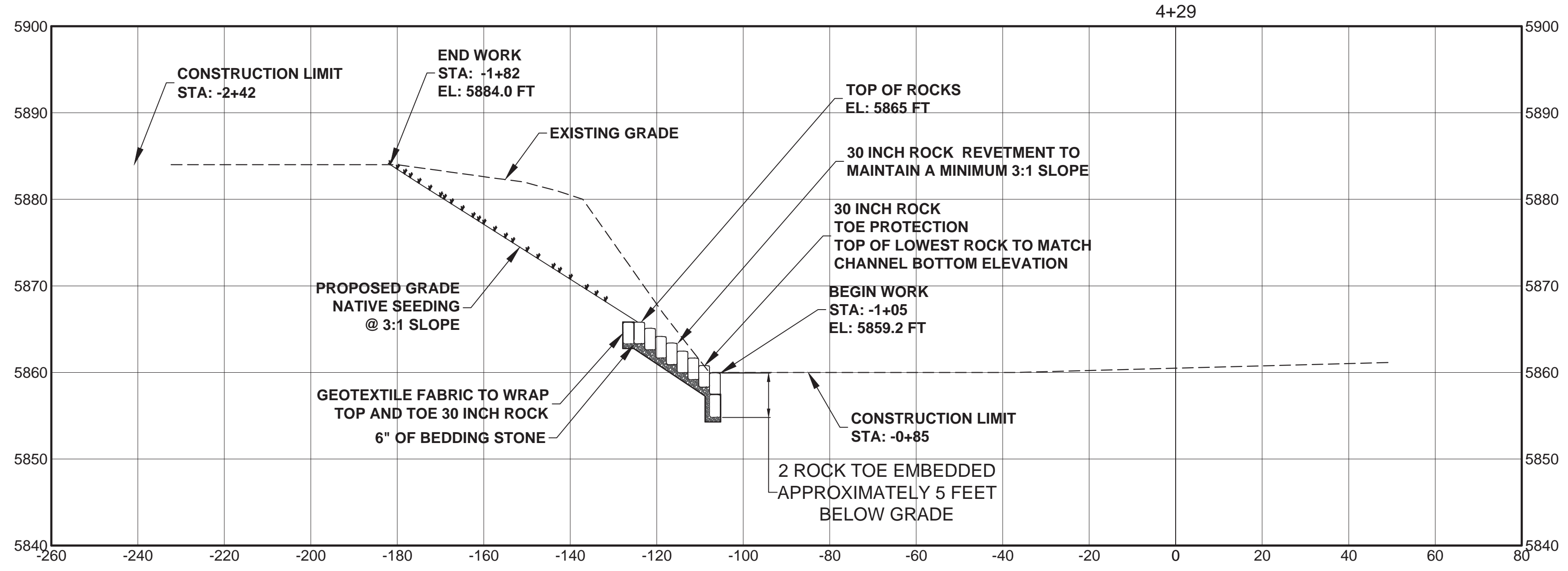
Building Number

Drawing Number
CG132
Dwg. 138 of 655

Office of
Construction
and Facilities
Management

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6"
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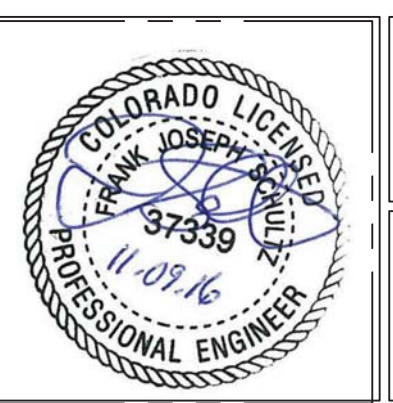
A
B
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F



Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title
CORRAL TRIBUTARY SLOPE STABILIZATION CROSS SECTIONS (ADD ALTERNATE NO. 3)

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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
JRB

Drawn
MNJ

Project Number
933PC2002

Building Number

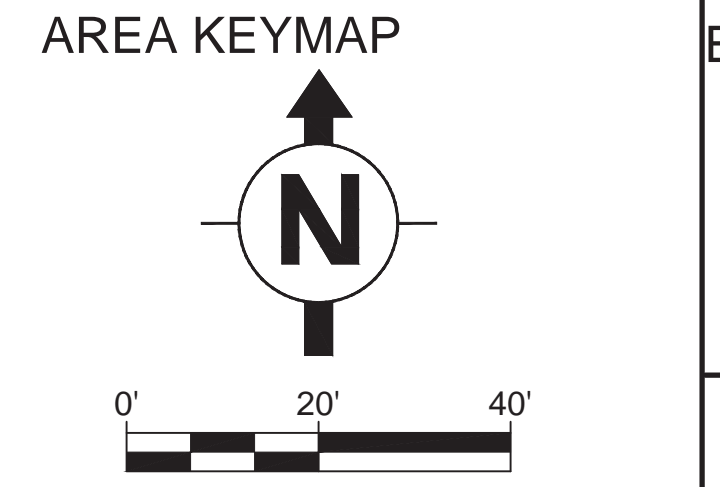
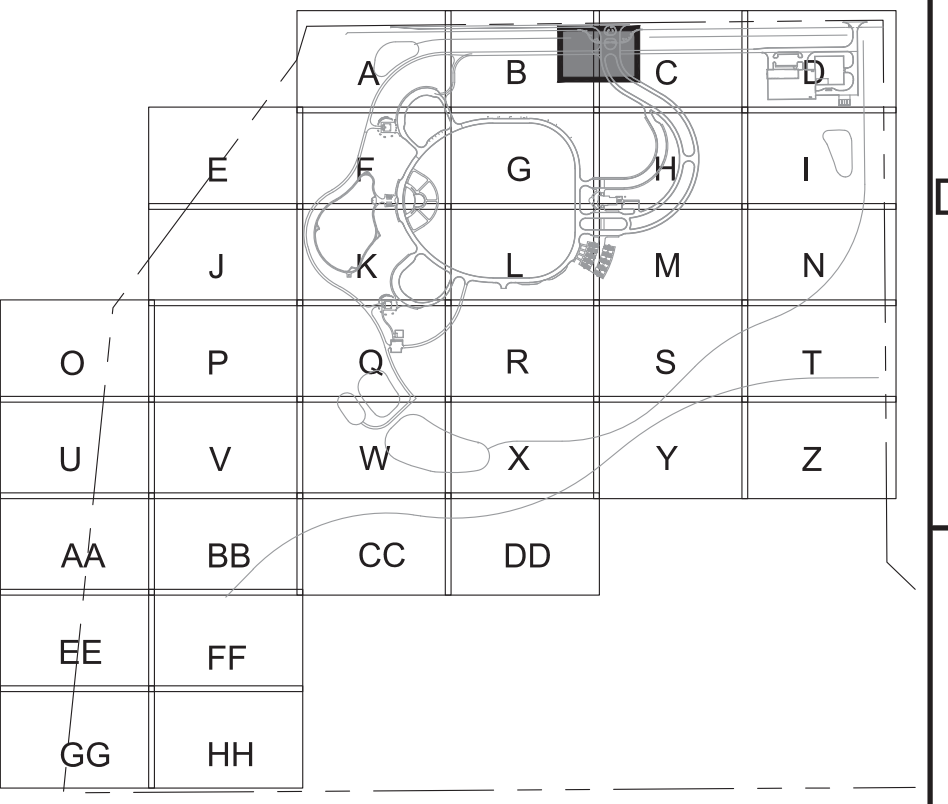
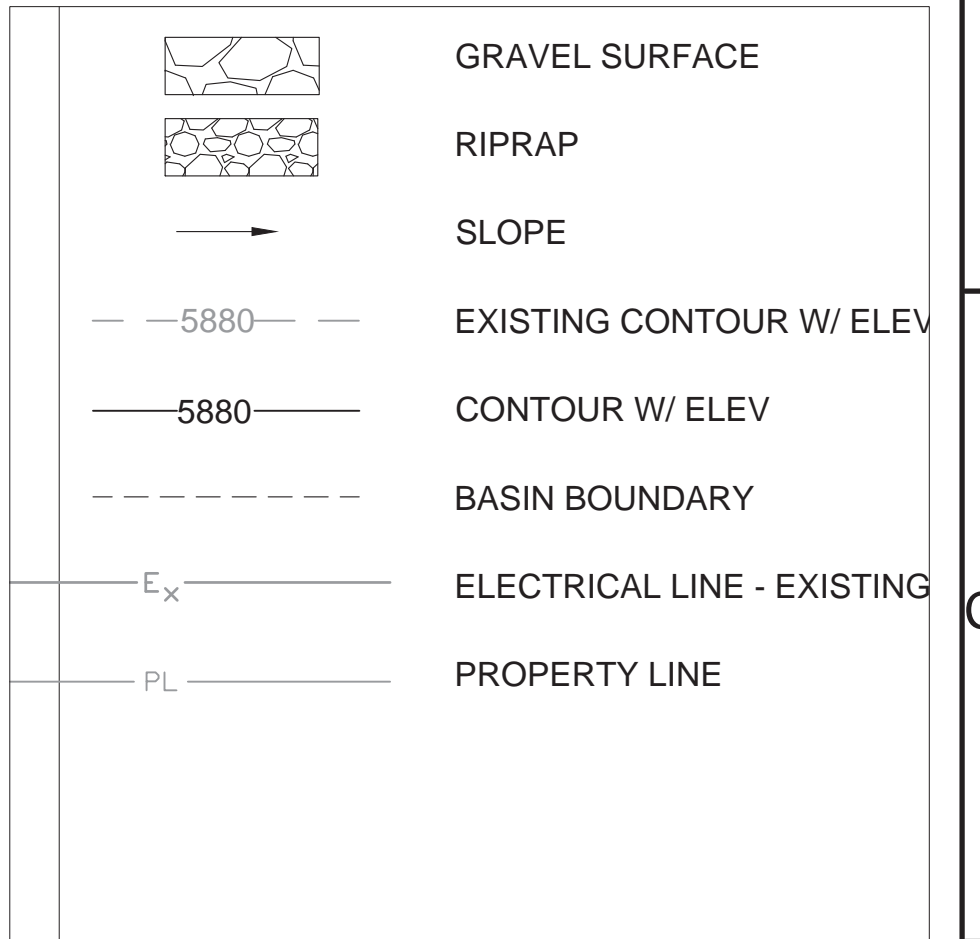
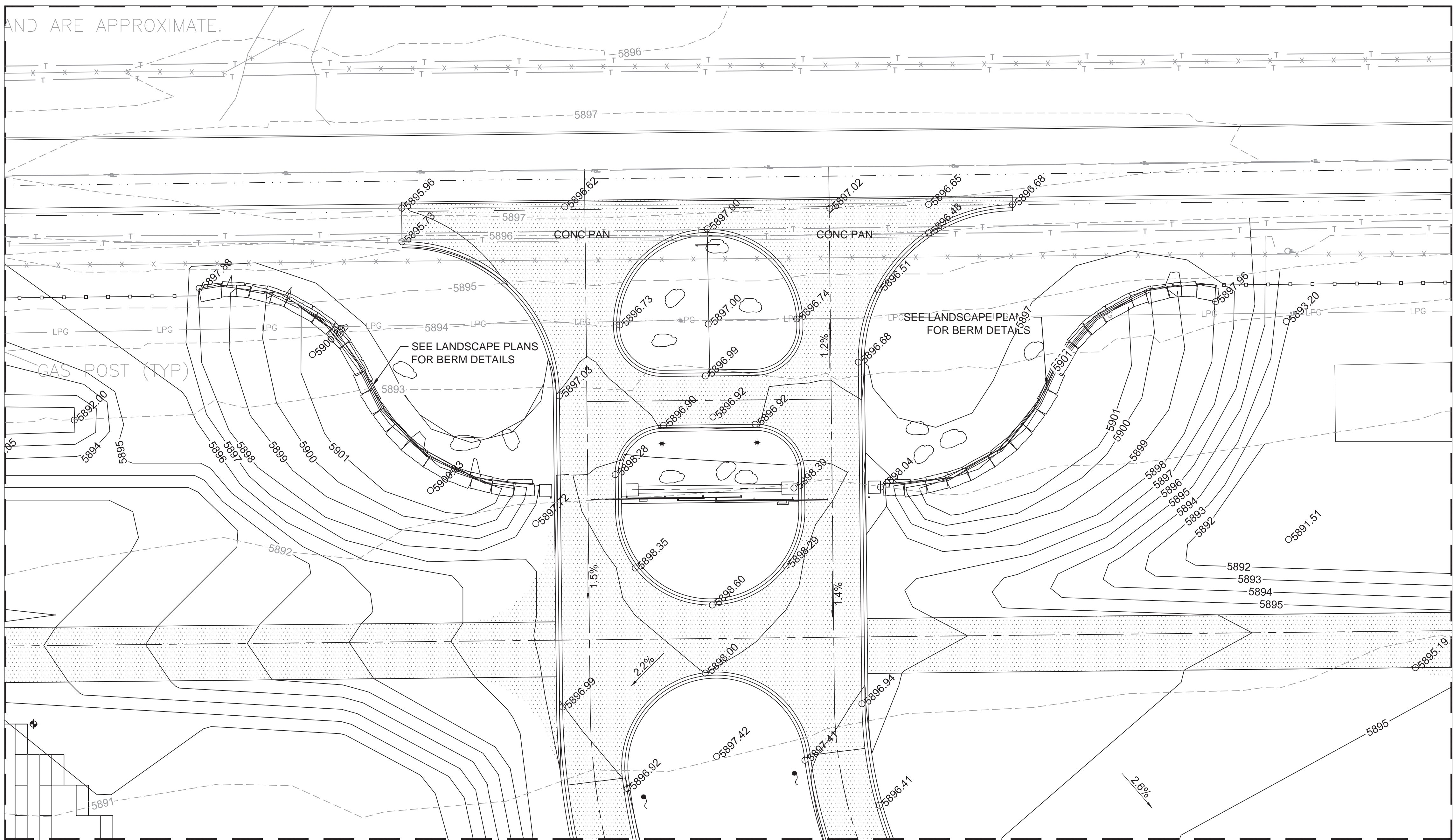
Drawing Number
CG301
Dwg. 140 of 655

BID DOCUMENTS

Office of Construction and Facilities Management

Department of Veterans Affairs

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BID DOCUMENTS

Revisions:	Date

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22 MARCH 2017

Drawing Title
**GRADING PLAN - ENTRY WAY
ENLARGED PLAN**

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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
MMM

Drawing Number
CG401

Dwg. 141 of 655

Office of
Construction
and Facilities
Management

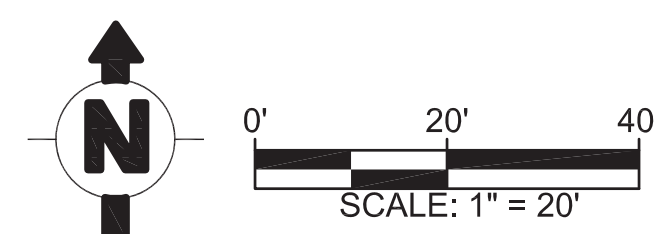
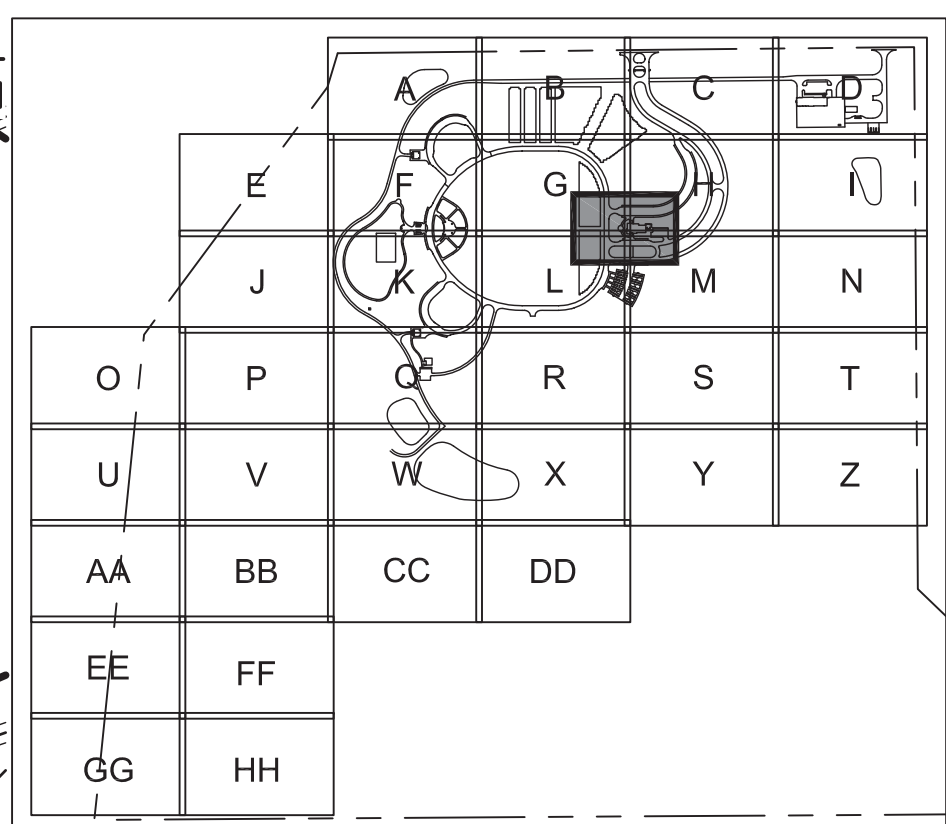
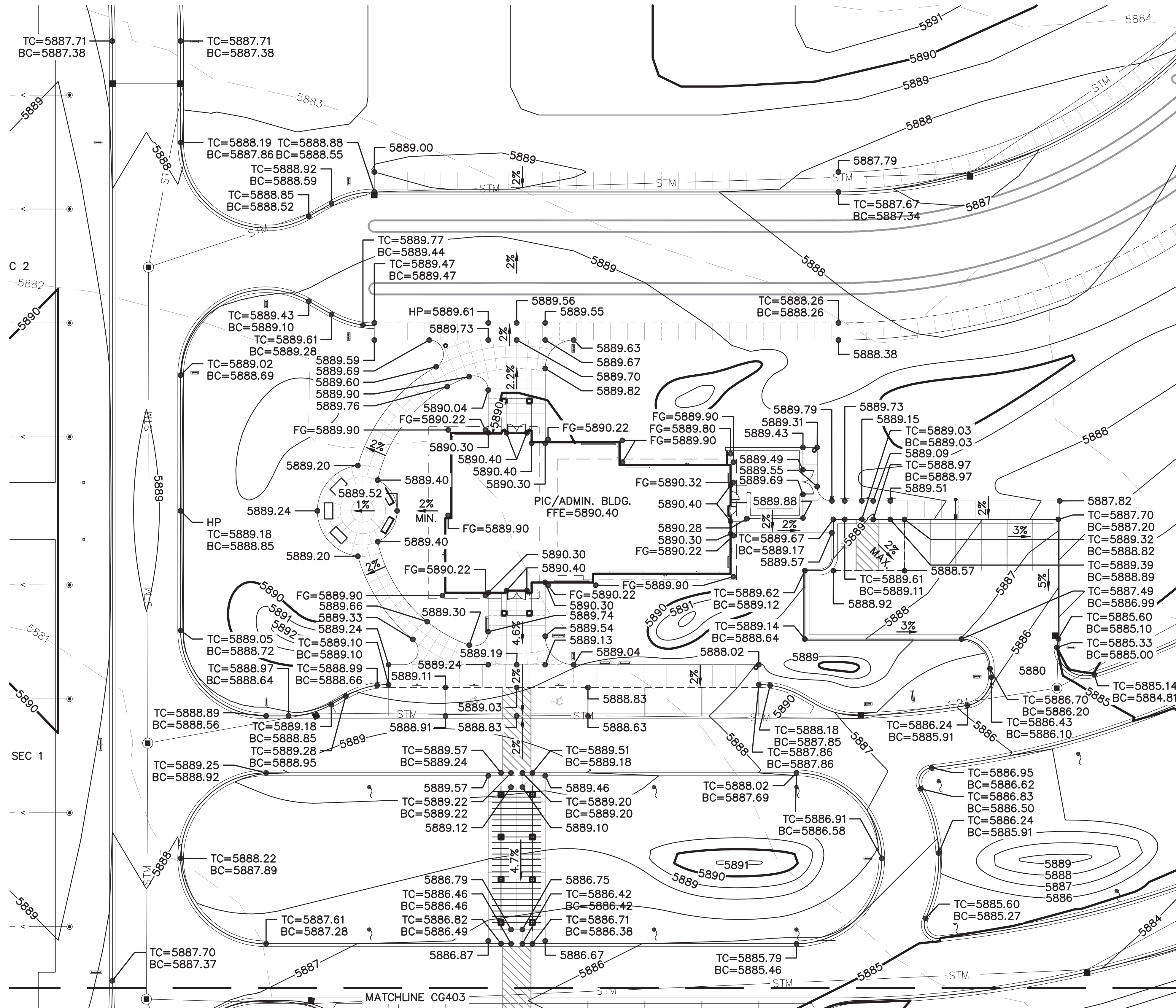
Department of
Veterans Affairs

GRADING NOTES

1. THE FOLLOWING NOTES APPLY TO ALL CG SERIES (CIVIL GRADING) DRAWINGS.
2. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE FOR INFORMATION ONLY, AND ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL CONTACT THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANY HAVING JURISDICTION TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY COSTS INCURRED BY THE CONTRACTOR DUE TO FAILURE TO CONTACT THE PROPER AUTHORITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL GRADES SET IN THE FIELD TO BE COMPLETED BY A LICENSED LAND SURVEYOR.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE RE/COR.
5. CONTRACTOR SHALL VERIFY PROPOSED GRADES PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE RE/COR.
6. CONTRACTOR SHALL ESTABLISH PERMANENT SECONDARY BENCHMARKS PRIOR TO THE START OF CONSTRUCTION. ALL SECONDARY BENCHMARKS SHALL BE LOCATED SO THAT THEY WILL NOT BE DISTURBED BY CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE DUST AND EROSION CONTROL PER SPECIFICATIONS AND AS APPROVED BY THE RE/COR.
8. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT OR DEBRIS ONTO PUBLIC AND EXISTING CEMETERY ROADS.
9. CONTRACTOR SHALL BLEND ALL NEW EARTHWORK INTO EXISTING GRADES AT LIMITS OF GRADING WORK. PROVIDE SMOOTH, ROUNDED TRANSITIONS AT ALL TOP AND BOTTOM OF SLOPES.
10. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM SLOPE OF ONE-EIGHTH INCH (1/8") PER FOOT. ALL NON-PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF ONE-QUARTER INCH (1/4") PER FOOT. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE RE/COR PRIOR TO CONTINUING WORK.
11. ANY AREA OUTSIDE THE CONSTRUCTION LIMITS THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE GOVERNMENT.
12. EXCAVATION REQUIRED WITHIN 3 FEET OF EXISTING UTILITY LINES SHALL BE DONE BY HAND; DO NOT EXCAVATE SOIL WITH MACHINERY. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OF STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE GOVERNMENT.
13. PRIOR TO PROJECT CLOSE-OUT, THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS MATERIALS FROM THE SITE. ALSO, ANY DAMAGE TO FIELD OR FACTORY APPLIED FINISHES SHALL BE REPAIRED.
14. SLOPE SIDES OF EXCAVATIONS TO COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION AND OSHA REGULATIONS. MAINTAIN SIDE SLOPES OF EXCAVATIONS IN A SAFE CONDITION UNTIL COMPLETION OF BACKFILLING.
15. DURING GRADING OPERATIONS, DRAINAGE OF THE SITE AND ADJACENT AREAS SHALL BE MAINTAINED CONTINUOUSLY TO PREVENT EROSION OR OTHER DAMAGE. WHEN IT IS NECESSARY TO INTERRUPT DRAINAGE OR OTHER EXISTING UTILITIES, PROVIDE TEMPORARY FACILITIES UNTIL PERMANENT WORK IS COMPLETED.

LEGEND

- 5884 EXISTING INTERVAL CONTOUR
- 5885 EXISTING INDEX CONTOUR
- 5884 INTERVAL CONTOUR
- 5885 INDEX CONTOUR
- STM STORM SEWER PIPE
- < PHDPE LATERAL PIPE
- Storm Sewer Manhole
- Storm Sewer Catch Basin
- Crypt Underdrain Cleanout
- 5889.90 SPOT ELEVATION
- HP HIGH POINT
- LP LOW POINT
- TS TOP OF STAIR
- BS BOTTOM OF STAIR
- TW TOP OF WALL
- BW BOTTOM OF WALL



Revisions:	Date

CONSULTANTS:

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0001163
Parrell Lloyd Meer
04/28/2016
03/16/17
LICENSED LANDSCAPE ARCHITECT
STATE OF COLORADO

Drawing Title
ADMINISTRATION/PUBLIC INFORMATION
CENTER AREA GRADING PLAN ENLARGEMENT

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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
DLM

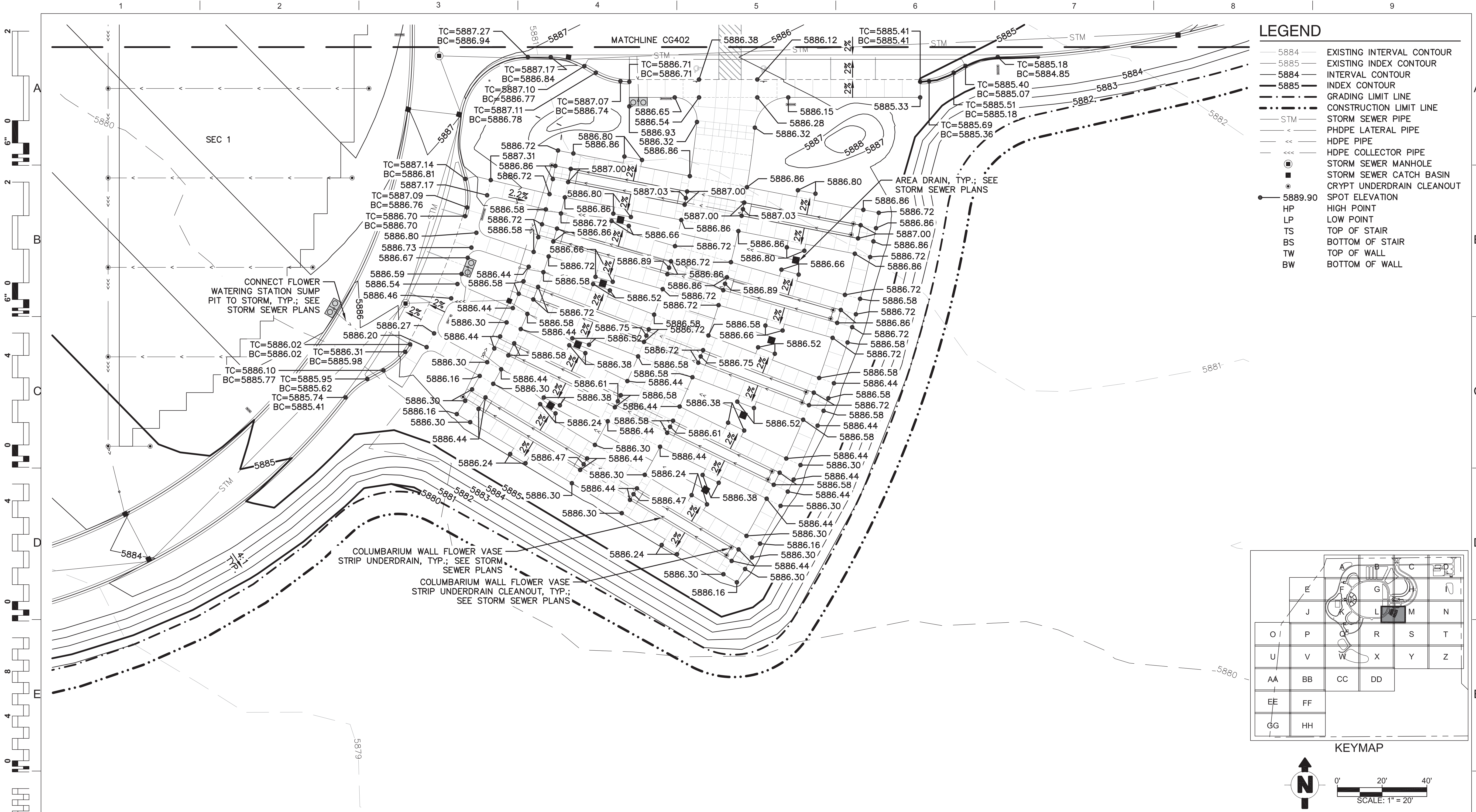
Drawn
NCW

Drawing Number
CG402

Dwg. 142 of 655

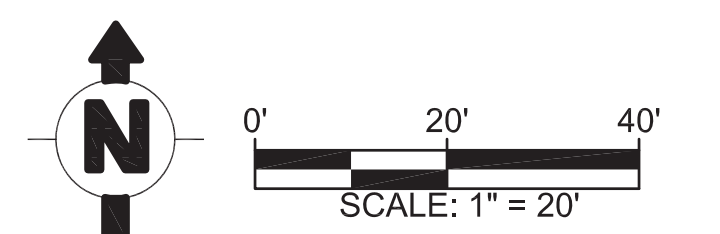
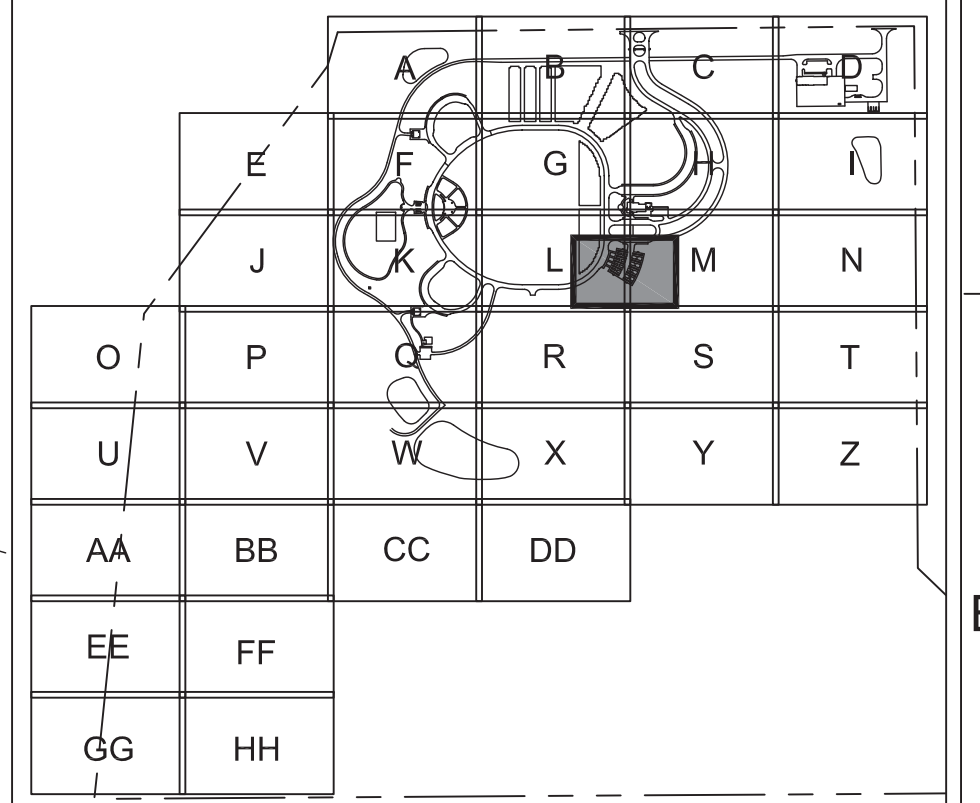
Office of Construction and Facilities Management
Department of Veterans Affairs

BID DOCUMENTS



LEGEND

- 5884 — EXISTING INTERVAL CONTOUR
- 5885 — EXISTING INDEX CONTOUR
- 5884 — INTERVAL CONTOUR
- 5885 — INDEX CONTOUR
- - - GRADING LIMIT LINE
- - - CONSTRUCTION LIMIT LINE
- STM — STORM SEWER PIPE
- - - HDPE LATERAL PIPE
- - - HDPE COLLECTOR PIPE
- STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN
- CRYPT UNDERDRAIN CLEANOUT
- 5889.90 SPOT ELEVATION
- HP HIGH POINT
- LP LOW POINT
- TS TOP OF STAIR
- BS BOTTOM OF STAIR
- TW TOP OF WALL
- BW BOTTOM OF WALL



BID DOCUMENTS

Revisions:	Date

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03/16/17
STATE OF COLORADO
LICENSED LANDSCAPE ARCHITECT

Drawing Title
COLUMBARIA-A GRADING PLAN ENLARGEMENT

Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
DLM

Drawn
NCW

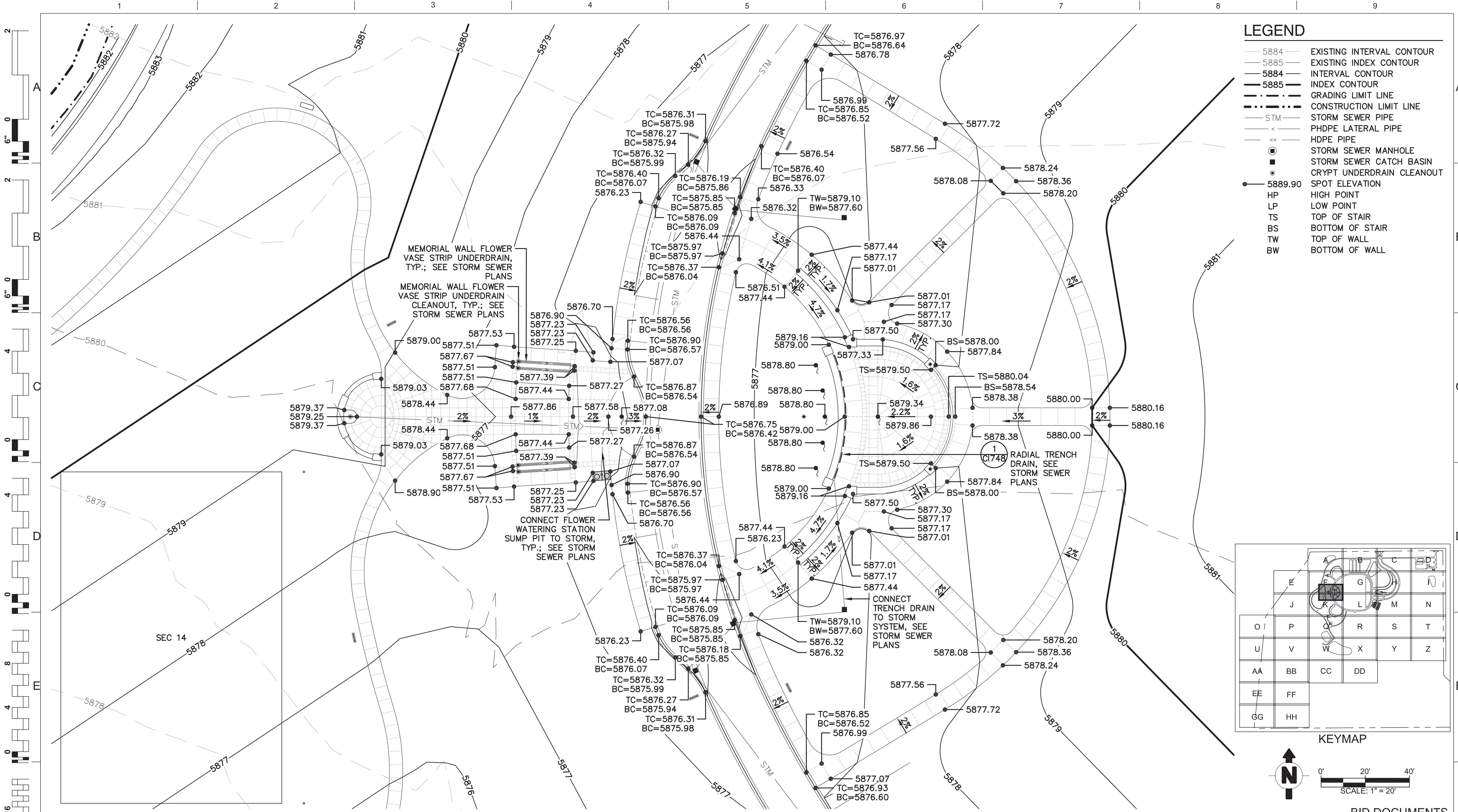
Drawing Number
CG403

Dwg. 143 of 655

Approved: Project Director
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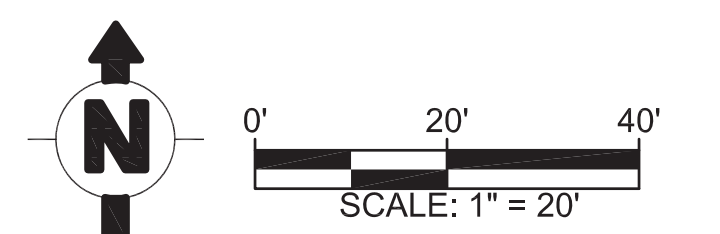
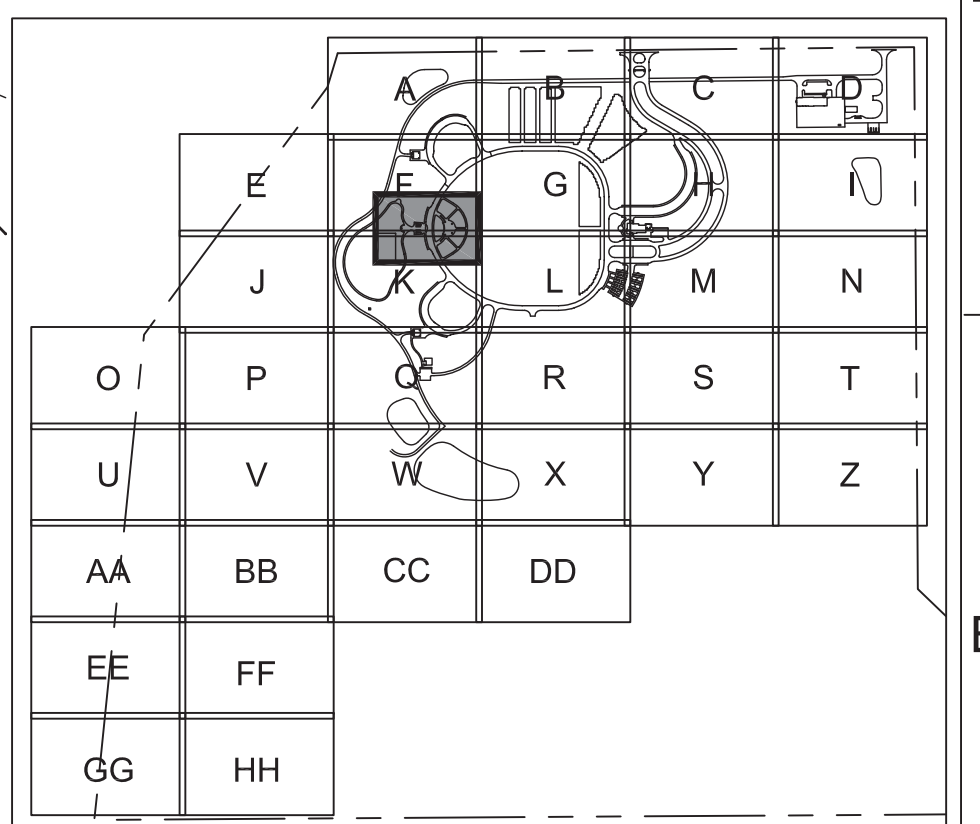
Office of Construction and Facilities Management

Department of Veterans Affairs



LEGEND

- 5884 — EXISTING INTERVAL CONTOUR
- 5885 — EXISTING INDEX CONTOUR
- 5884 — INTERVAL CONTOUR
- 5885 — INDEX CONTOUR
- - - - - GRADING LIMIT LINE
- - - - - CONSTRUCTION LIMIT LINE
- STM — STORM SEWER PIPE
- < — PHDPE LATERAL PIPE
- << — HDPE PIPE
- ⊙ — STORM SEWER MANHOLE
- ⊙ — STORM SEWER CATCH BASIN
- ⊙ — CRYPT UNDERDRAIN CLEANOUT
- — 5889.90 SPOT ELEVATION
- HP — HIGH POINT
- LP — LOW POINT
- TS — TOP OF STAIR
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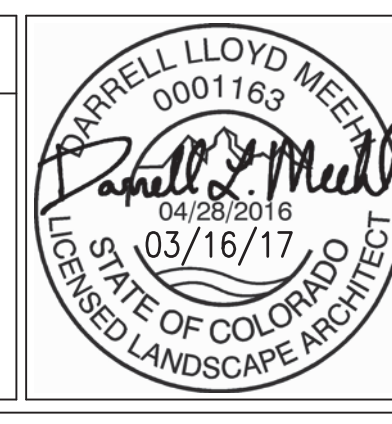


BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title
ASSEMBLY AREA GRADING PLAN
ENLARGEMENT

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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

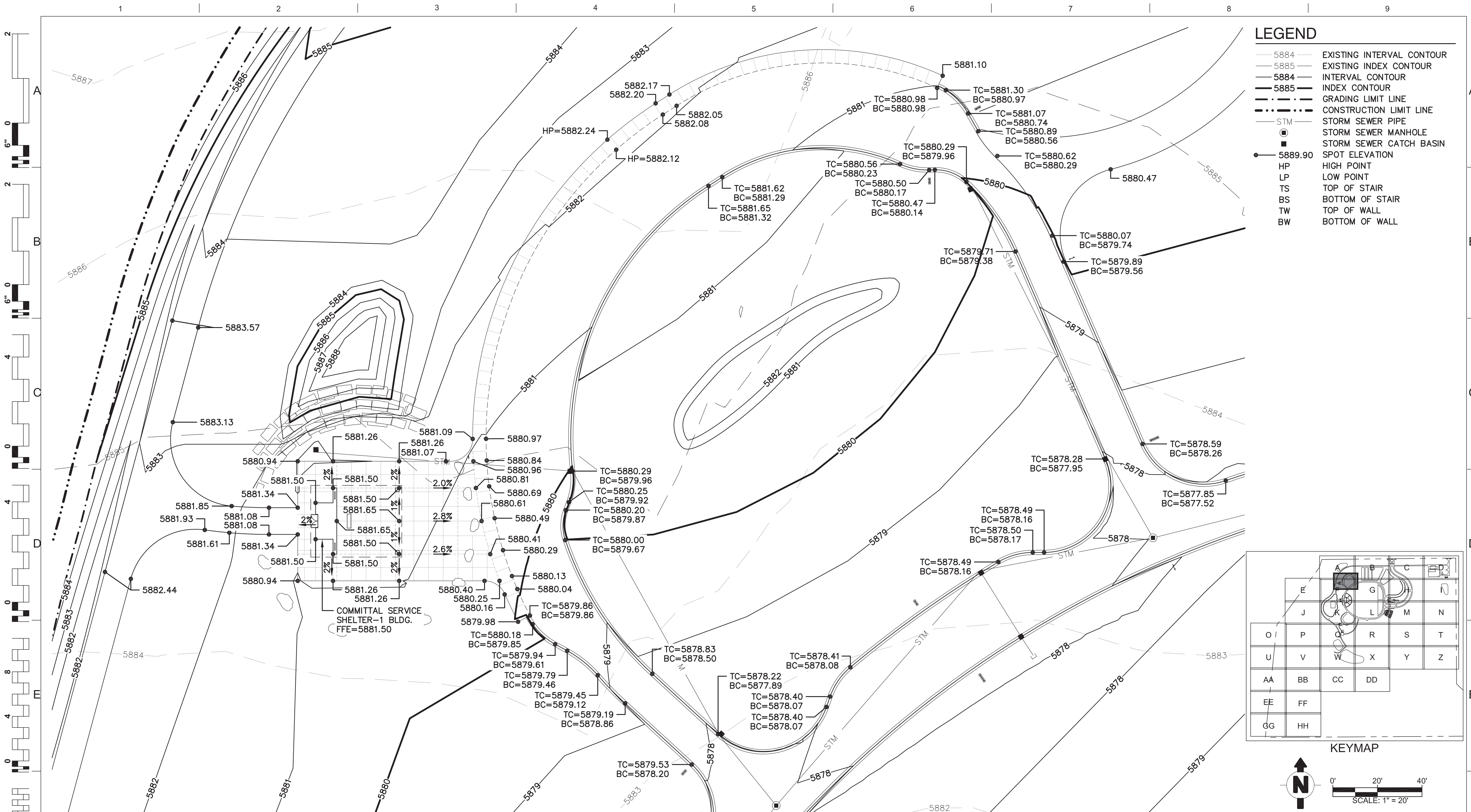
Checked
DLM

Drawn
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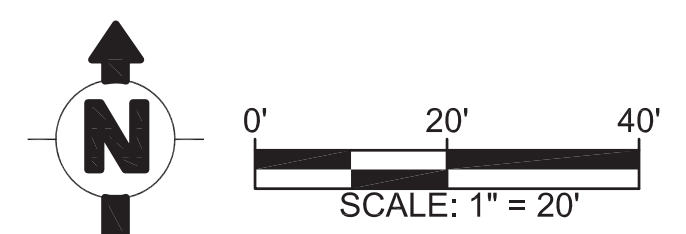
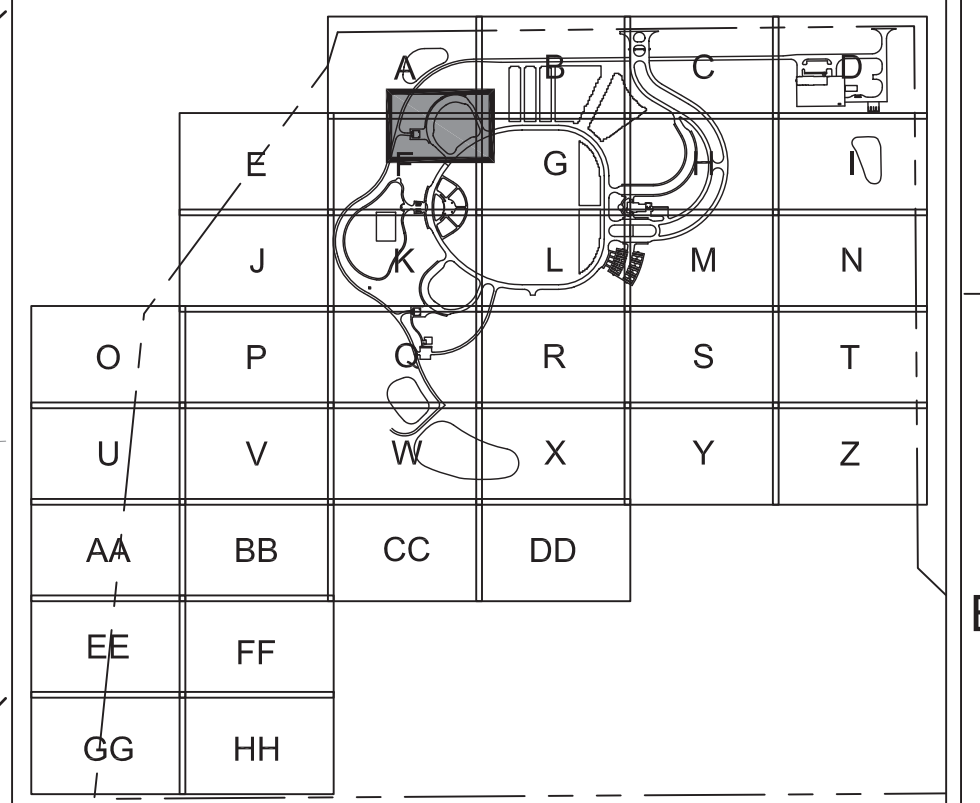
Drawing Number
CG404

Dwg. 144 of 655

Office of
Construction
and Facilities
Management



- ### LEGEND
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 - 5884 — INTERVAL CONTOUR
 - 5885 — INDEX CONTOUR
 - GRADING LIMIT LINE
 - - - CONSTRUCTION LIMIT LINE
 - STM — STORM SEWER PIPE
 - — STORM SEWER MANHOLE
 - — STORM SEWER CATCH BASIN
 - — SPOT ELEVATION
 - HP — HIGH POINT
 - LP — LOW POINT
 - TS — TOP OF STAIR
 - BS — BOTTOM OF STAIR
 - TW — TOP OF WALL
 - BW — BOTTOM OF WALL



Revisions:	Date

CONSULTANTS:

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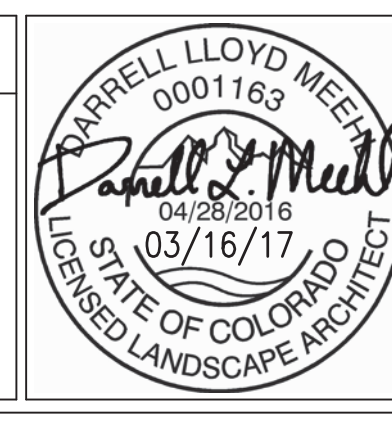
ATKINS
William Gumar & Associates, Ltd.

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Drawing Title
**COMMITTAL SERVICE SHELTER-1 AREA
 GRADING PLAN ENLARGEMENT**

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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
 COLORADO SPRINGS, CO

Date
 MARCH 2017

Checked
 DLM

Drawn
 NCW

Project Number
 933PC2002

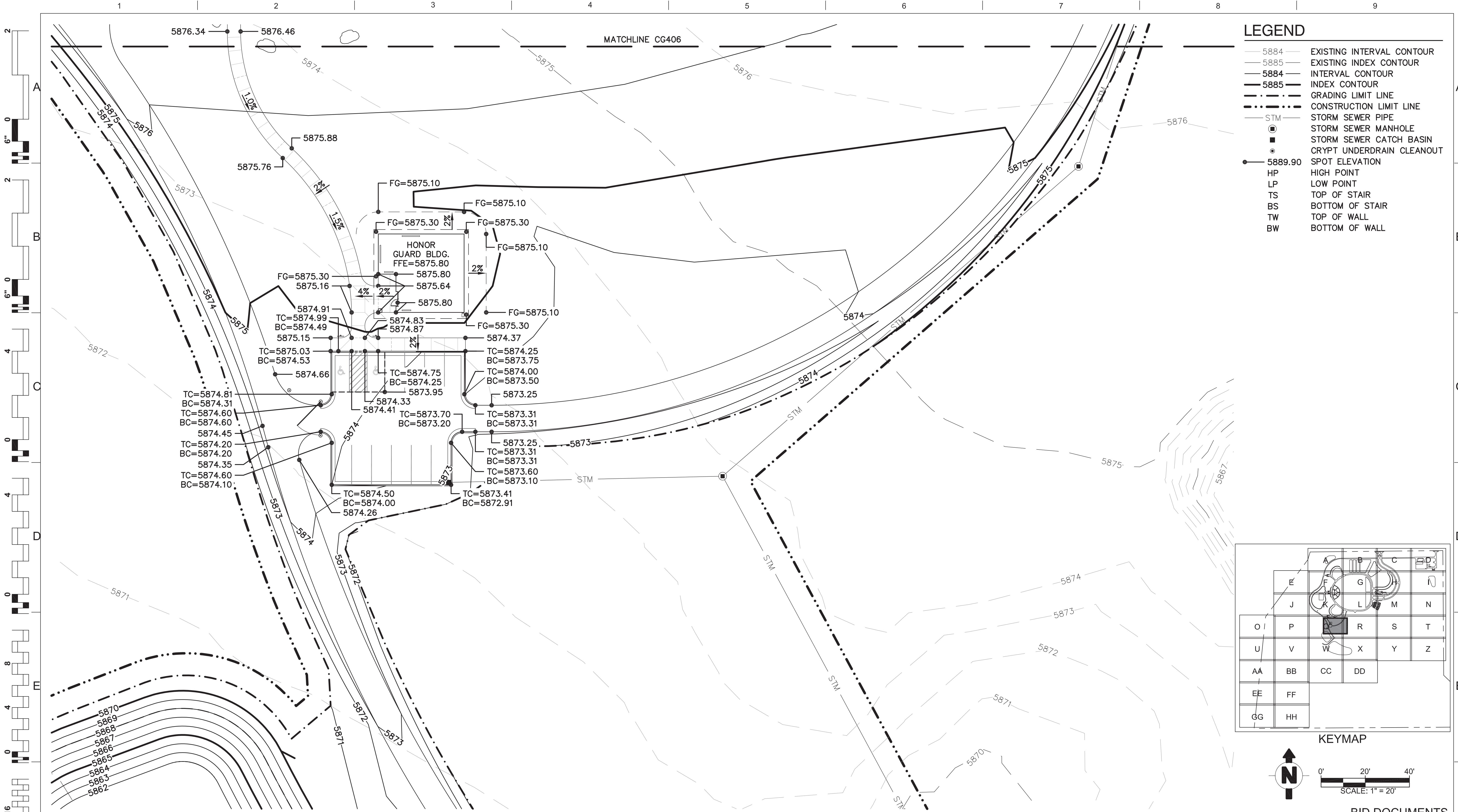
Building Number

Drawing Number
CG405
 Dwg. 145 of 655

**Office of
 Construction
 and Facilities
 Management**

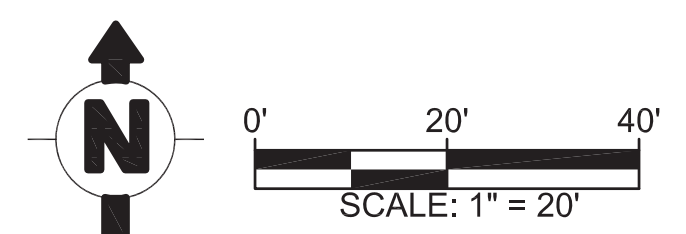
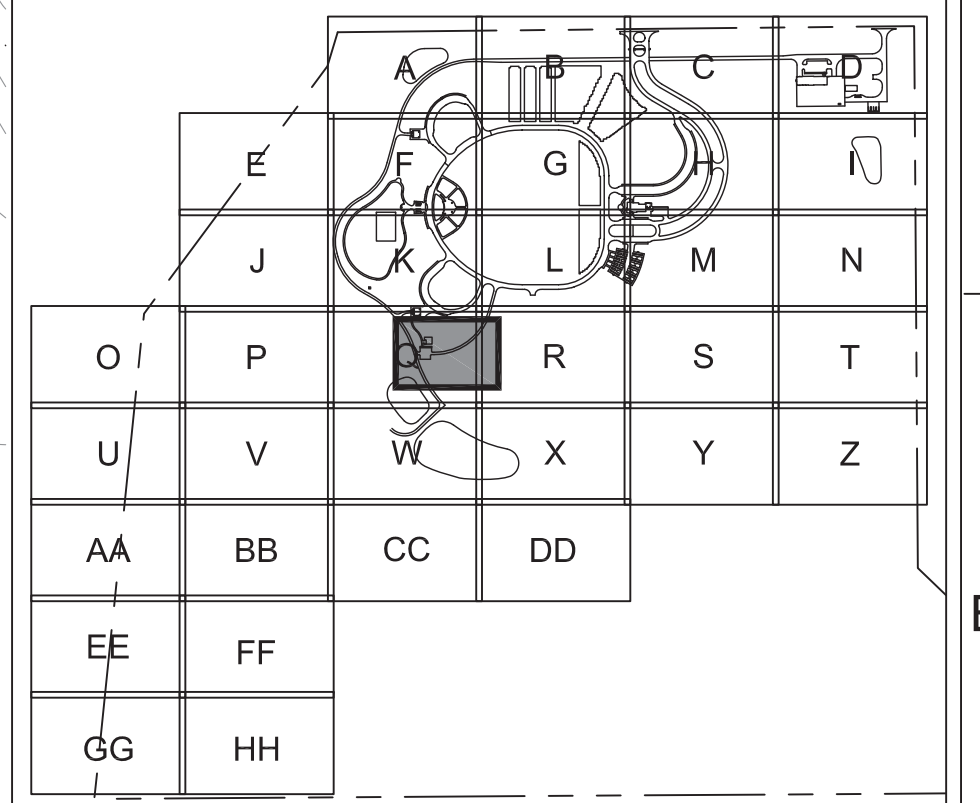
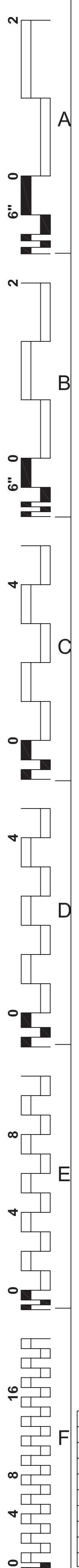
Department of
 Veterans Affairs

BID DOCUMENTS



LEGEND

- 5884 — EXISTING INTERVAL CONTOUR
- 5885 — EXISTING INDEX CONTOUR
- 5884 — INTERVAL CONTOUR
- 5885 — INDEX CONTOUR
- - - GRADING LIMIT LINE
- · - · - CONSTRUCTION LIMIT LINE
- STM — STORM SEWER PIPE
- ⊙ STORM SEWER MANHOLE
- STORM SEWER CATCH BASIN
- ⊙ CRYPT UNDERDRAIN CLEANOUT
- 5889.90 SPOT ELEVATION
- HP HIGH POINT
- LP LOW POINT
- TS TOP OF STAIR
- BS BOTTOM OF STAIR
- TW TOP OF WALL
- BW BOTTOM OF WALL



BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

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0001163
04/28/2016
03/16/17
STATE OF COLORADO
LICENSED LANDSCAPE ARCHITECT

Drawing Title
HONOR GUARD AREA GRADING PLAN
ENLARGEMENT

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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
DLM

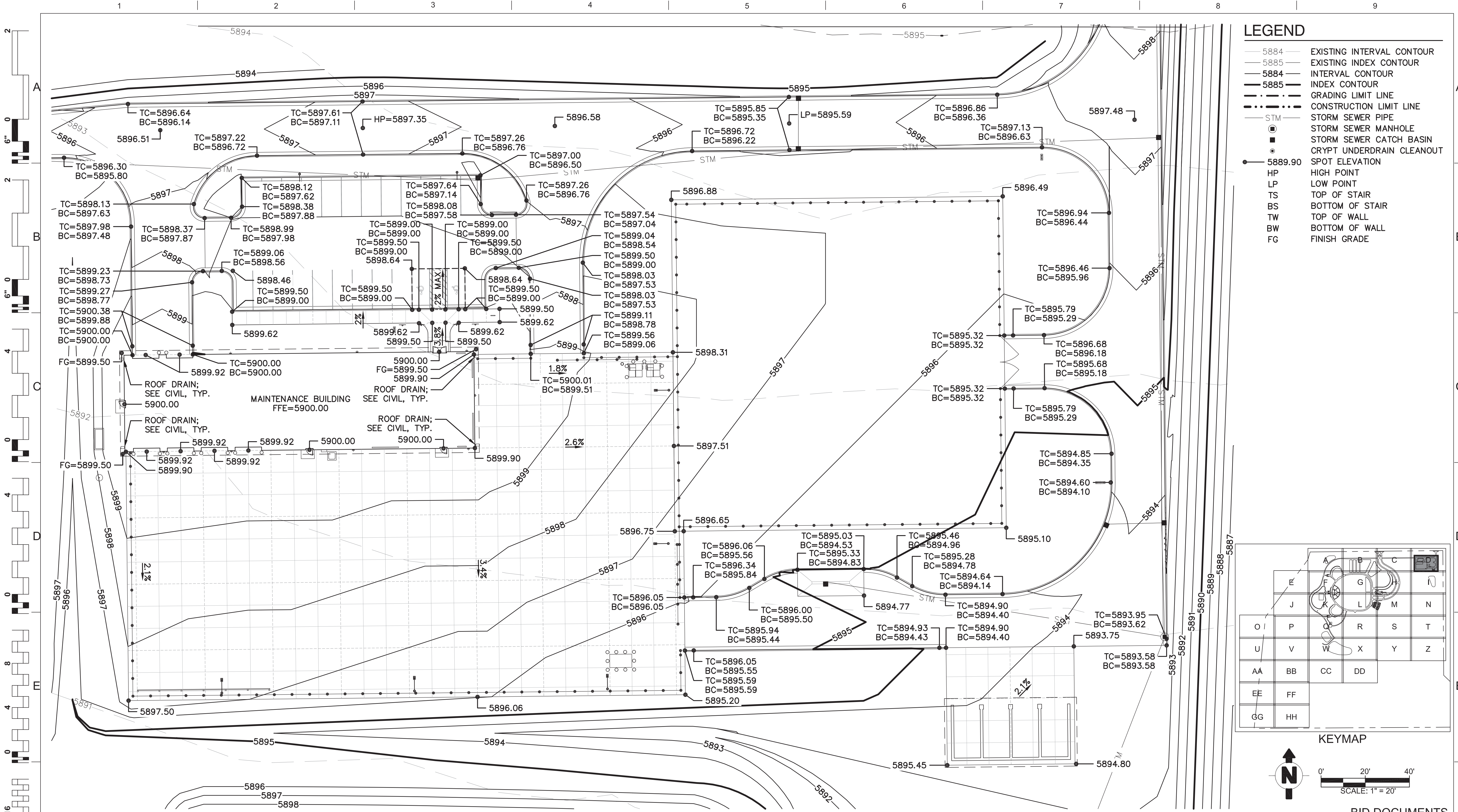
Drawn
NCW

Drawing Number
CG407

Dwg. 147 of 655

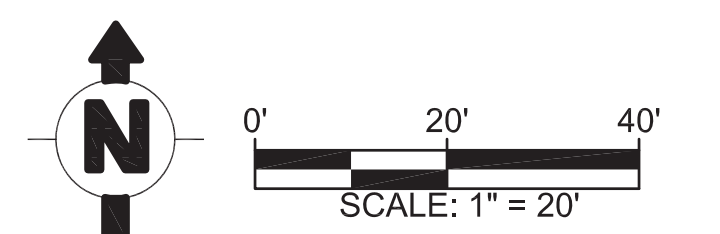
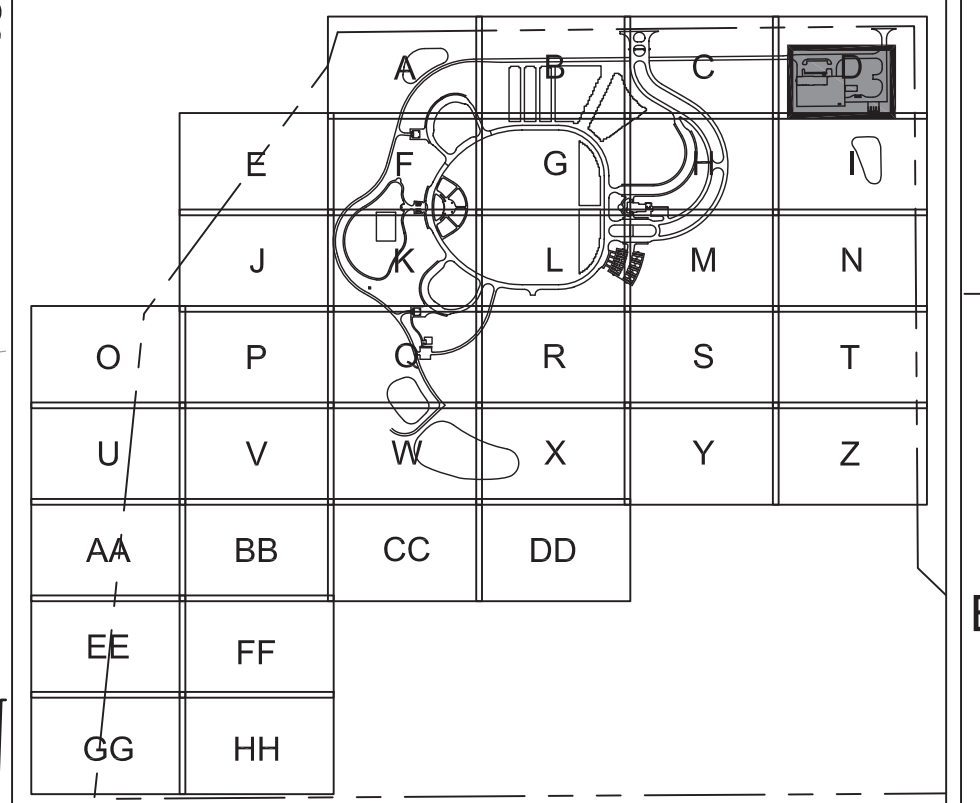
Office of
Construction
and Facilities
Management

Department of
Veterans Affairs



LEGEND

- 5884 — EXISTING INTERVAL CONTOUR
- 5885 — EXISTING INDEX CONTOUR
- 5884 — INTERVAL CONTOUR
- 5885 — INDEX CONTOUR
- - - - - GRADING LIMIT LINE
- - - - - CONSTRUCTION LIMIT LINE
- STM — STORM SEWER PIPE
- STORM SEWER MANHOLE
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- CRYPT UNDERDRAIN CLEANOUT
- 5889.90 SPOT ELEVATION
- HP HIGH POINT
- LP LOW POINT
- TS TOP OF STAIR
- BS BOTTOM OF STAIR
- TW TOP OF WALL
- BW BOTTOM OF WALL
- FG FINISH GRADE



BID DOCUMENTS

CONSULTANTS:

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Drawing Title
MAINTENANCE AREA GRADING PLAN
ENLARGEMENT

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO
Date MARCH 2017
Checked DLM
Drawn NCW

Project Number
933PC2002
Building Number

Drawing Number
CG408
Dwg. 148 of 655

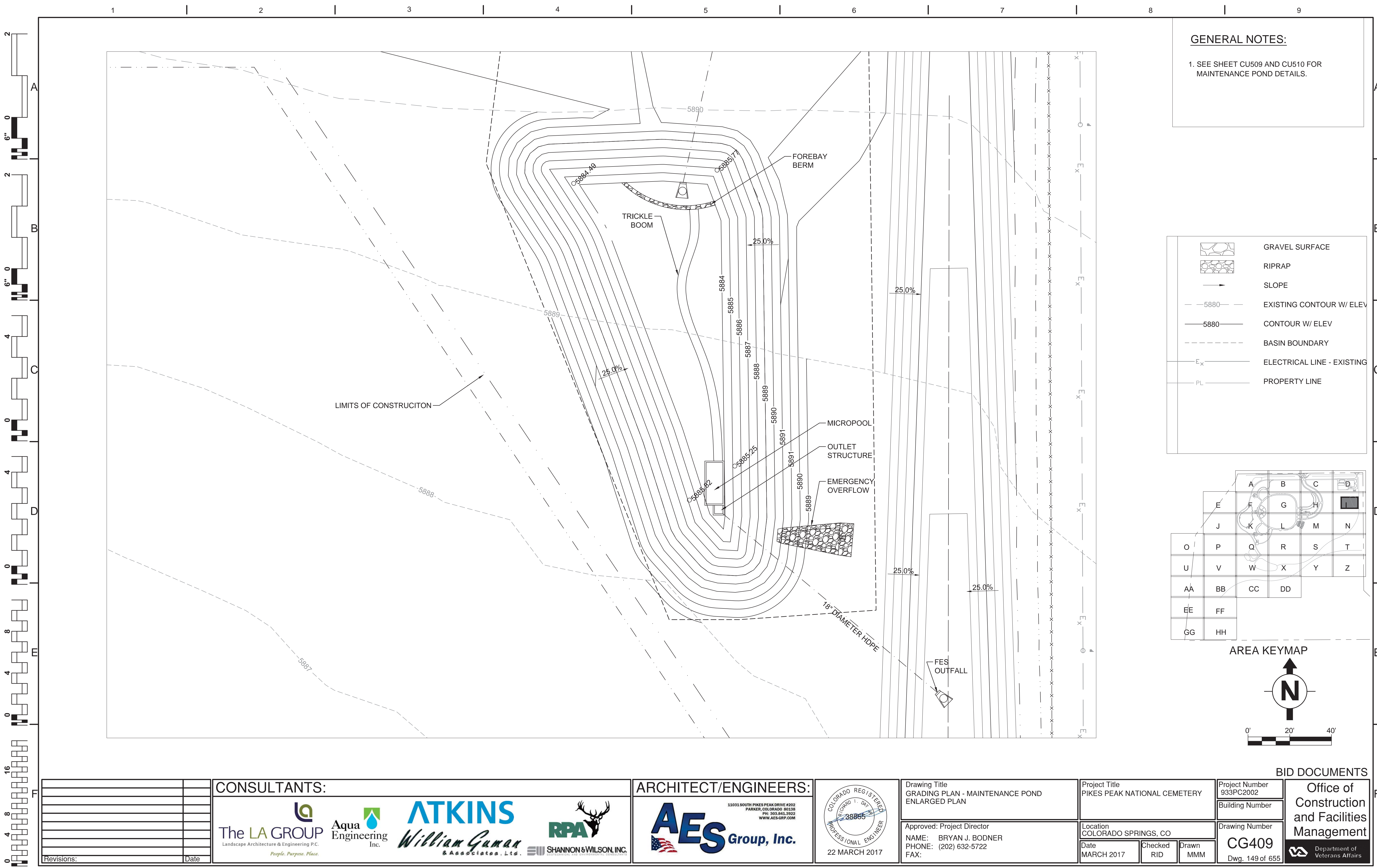
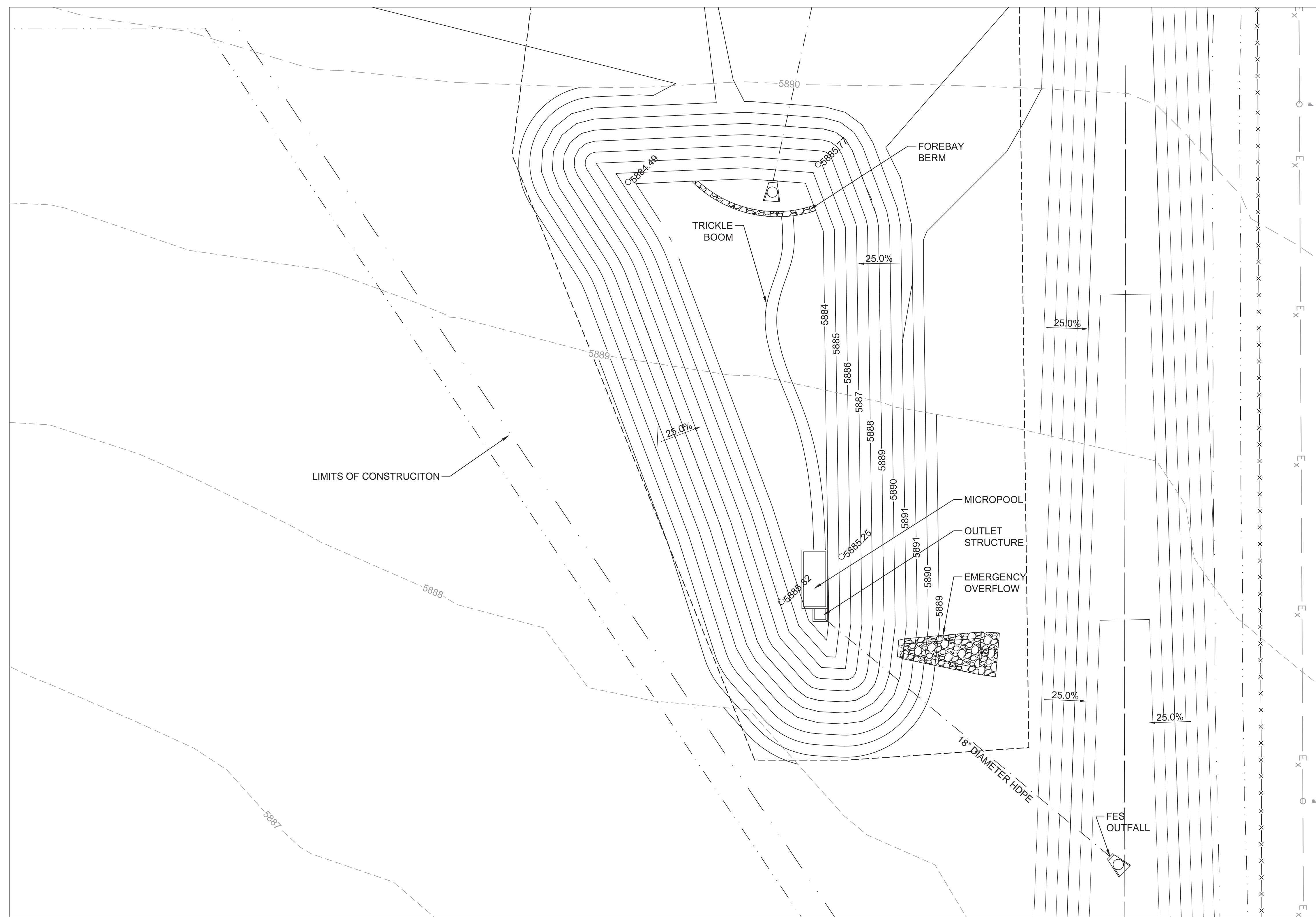
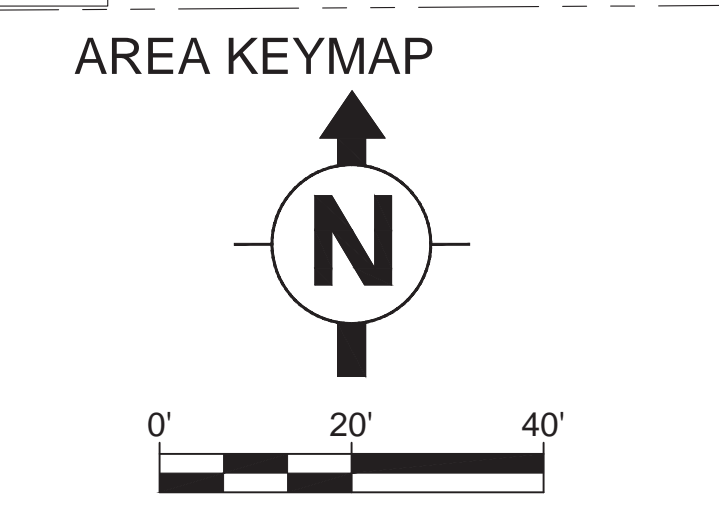
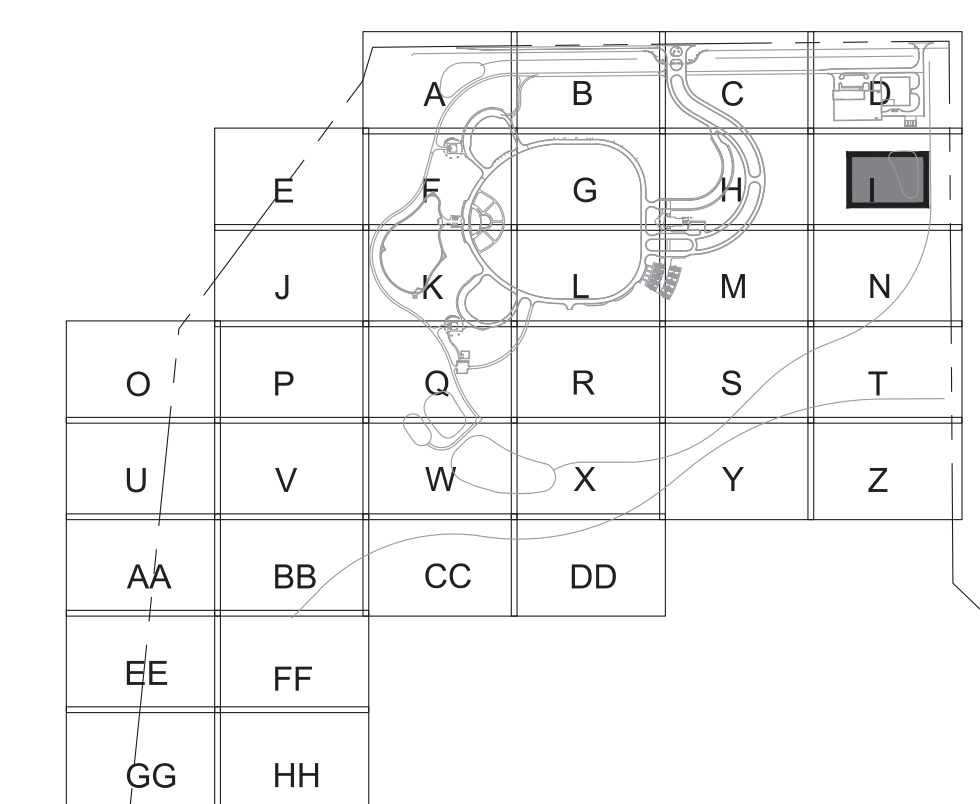
Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

GENERAL NOTES:

1. SEE SHEET CU509 AND CU510 FOR MAINTENANCE POND DETAILS.

	GRAVEL SURFACE
	RIPRAP
	SLOPE
	EXISTING CONTOUR W/ ELEV
	CONTOUR W/ ELEV
	BASIN BOUNDARY
	ELECTRICAL LINE - EXISTING
	PROPERTY LINE



Revisions:	Date:

CONSULTANTS:

The LA GROUP
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People. Purpose. Place.

Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

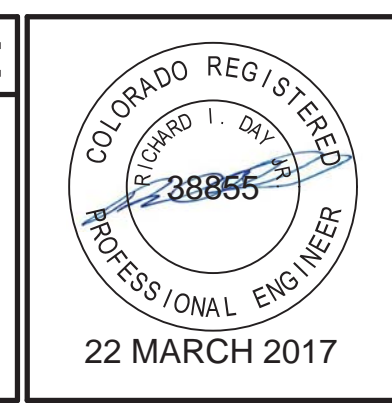
RPA

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22 MARCH 2017



Drawing Title
GRADING PLAN - MAINTENANCE POND ENLARGED PLAN

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
MMM

Drawing Number
CG409
Dwg. 149 of 655

BID DOCUMENTS

Office of Construction and Facilities Management
Department of Veterans Affairs

2
6" 0
2
6" 0
4
0
4
0
8
4
0
16
8
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0

A

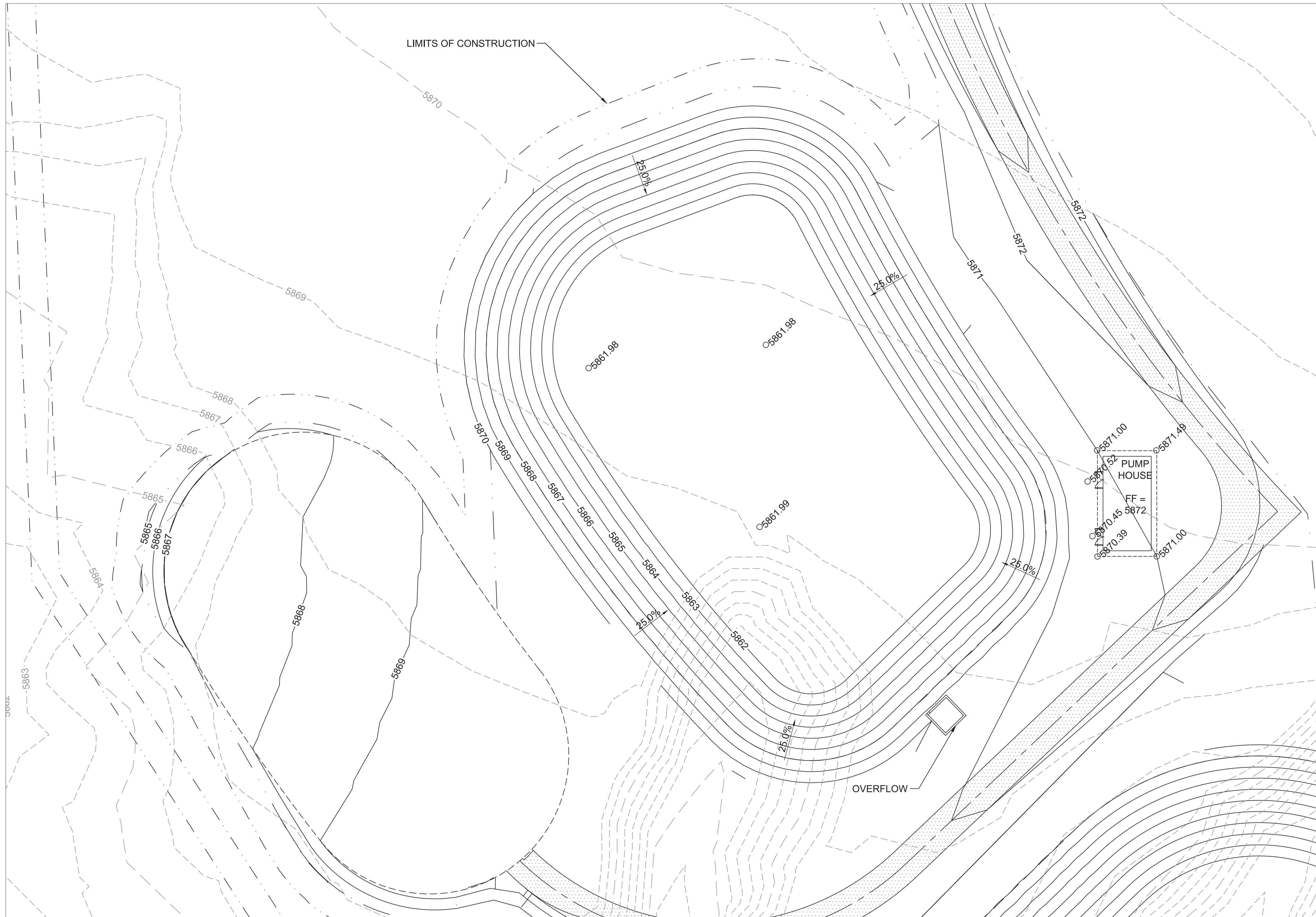
B

C

D

E

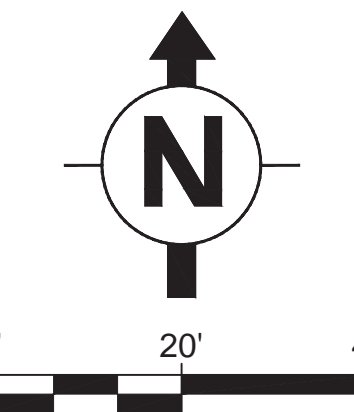
F



	GRAVEL SURFACE
	RIPRAP
	SLOPE
	EXISTING CONTOUR W/ ELEV
	CONTOUR W/ ELEV
	BASIN BOUNDARY
	ELECTRICAL LINE - EXISTING
	PROPERTY LINE

	A	B	C	D	
E	F	G	H	I	
J	K	L	M	N	
O	P	Q	R	S	T
U	V	W	X	Y	Z
AA	BB	CC	DD		
EE	FF				
GG	HH				

AREA KEYMAP



Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

AES Group, Inc.
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 PARKER, COLORADO 80138
 PH: 303.841.3922
 WWW.AES-GRP.COM

COLORADO REGISTERED PROFESSIONAL ENGINEER
 22 MARCH 2017

Drawing Title
 GRADING PLAN - IRRIGATION POND
 ENLARGED PLAN

Approved: Project Director
 NAME: BRYAN J. BODNER
 PHONE: (202) 632-5722
 FAX: [REDACTED]

Project Title
 PIKES PEAK NATIONAL CEMETERY

Project Number
 933PC2002

Building Number

Location
 COLORADO SPRINGS, CO

Date
 MARCH 2017

Checked
 RID

Drawn
 ALK

Drawing Number
CG410

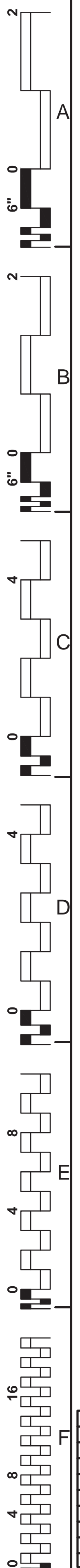
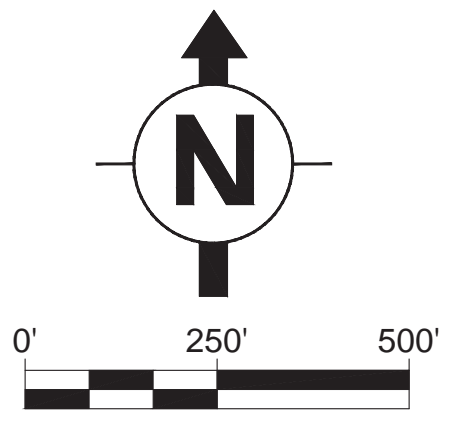
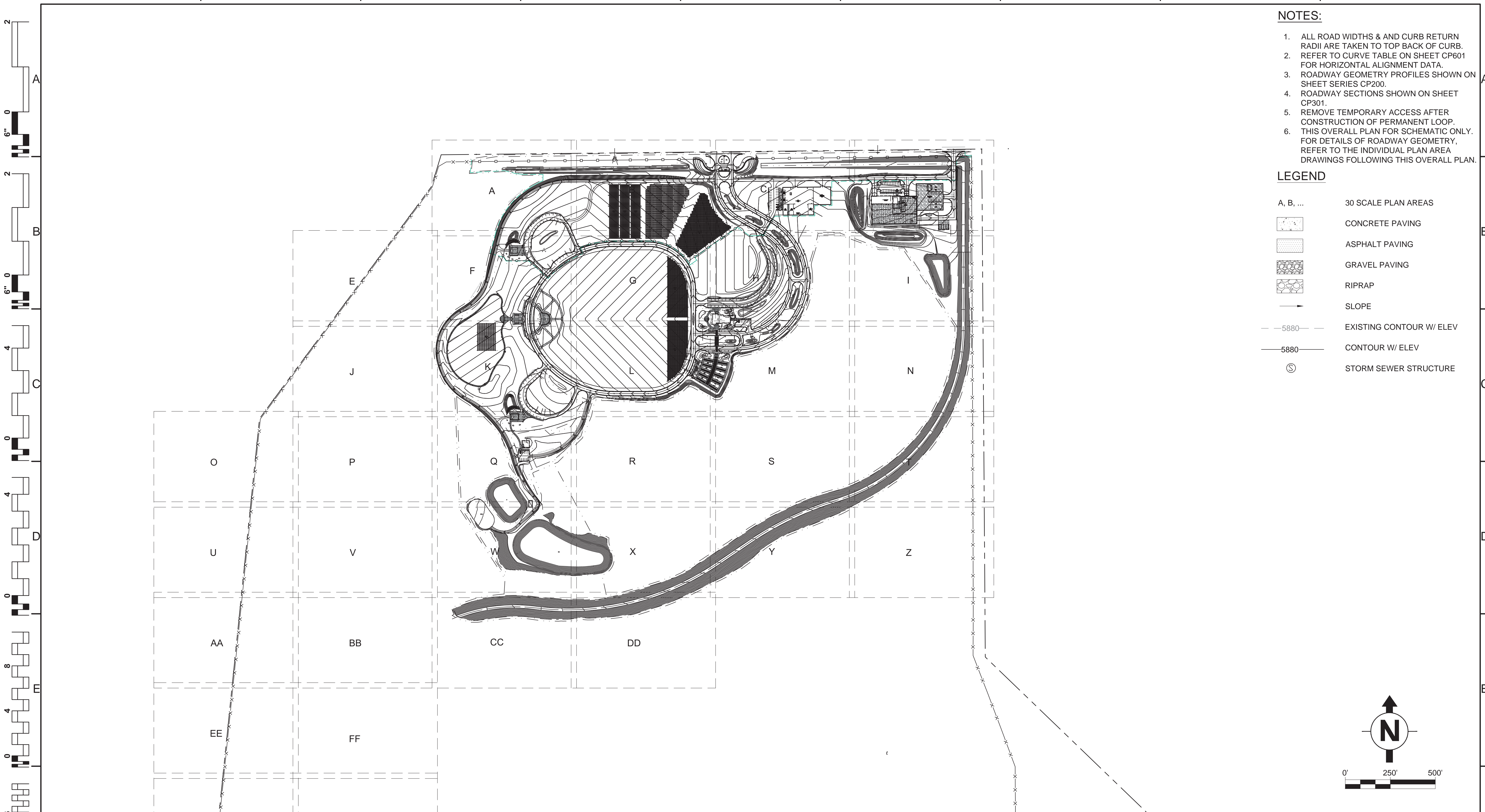
Dwg. 150 of 655

BID DOCUMENTS

Office of Construction and Facilities Management
 Department of Veterans Affairs

- NOTES:**
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB. REFER TO CURVE TABLE ON SHEET CP601 FOR HORIZONTAL ALIGNMENT DATA.
 2. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
 3. ROADWAY SECTIONS SHOWN ON SHEET CP301.
 4. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.
 5. THIS OVERALL PLAN FOR SCHEMATIC ONLY. FOR DETAILS OF ROADWAY GEOMETRY, REFER TO THE INDIVIDUAL PLAN AREA DRAWINGS FOLLOWING THIS OVERALL PLAN.

- LEGEND**
- A, B, ... 30 SCALE PLAN AREAS
 - CONCRETE PAVING
 - ASPHALT PAVING
 - GRAVEL PAVING
 - RIPRAP
 - SLOPE
 - - - 5880 - - - EXISTING CONTOUR W/ ELEV
 - 5880 — CONTOUR W/ ELEV
 - STORM SEWER STRUCTURE



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

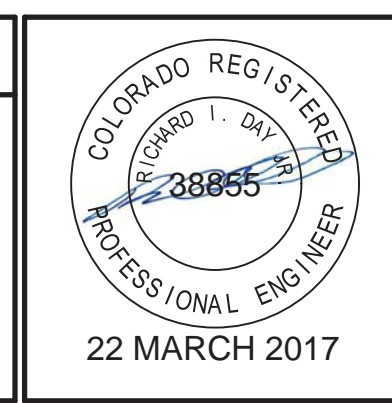
RPA

SHANNON & WILSON, INC.

ARCHITECT/ENGINEERS:

AES Group, Inc.
11031 SOUTH PIKES PEAK DRIVE #202
PARKER, COLORADO 80138
PH: 303.843.3922
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22 MARCH 2017

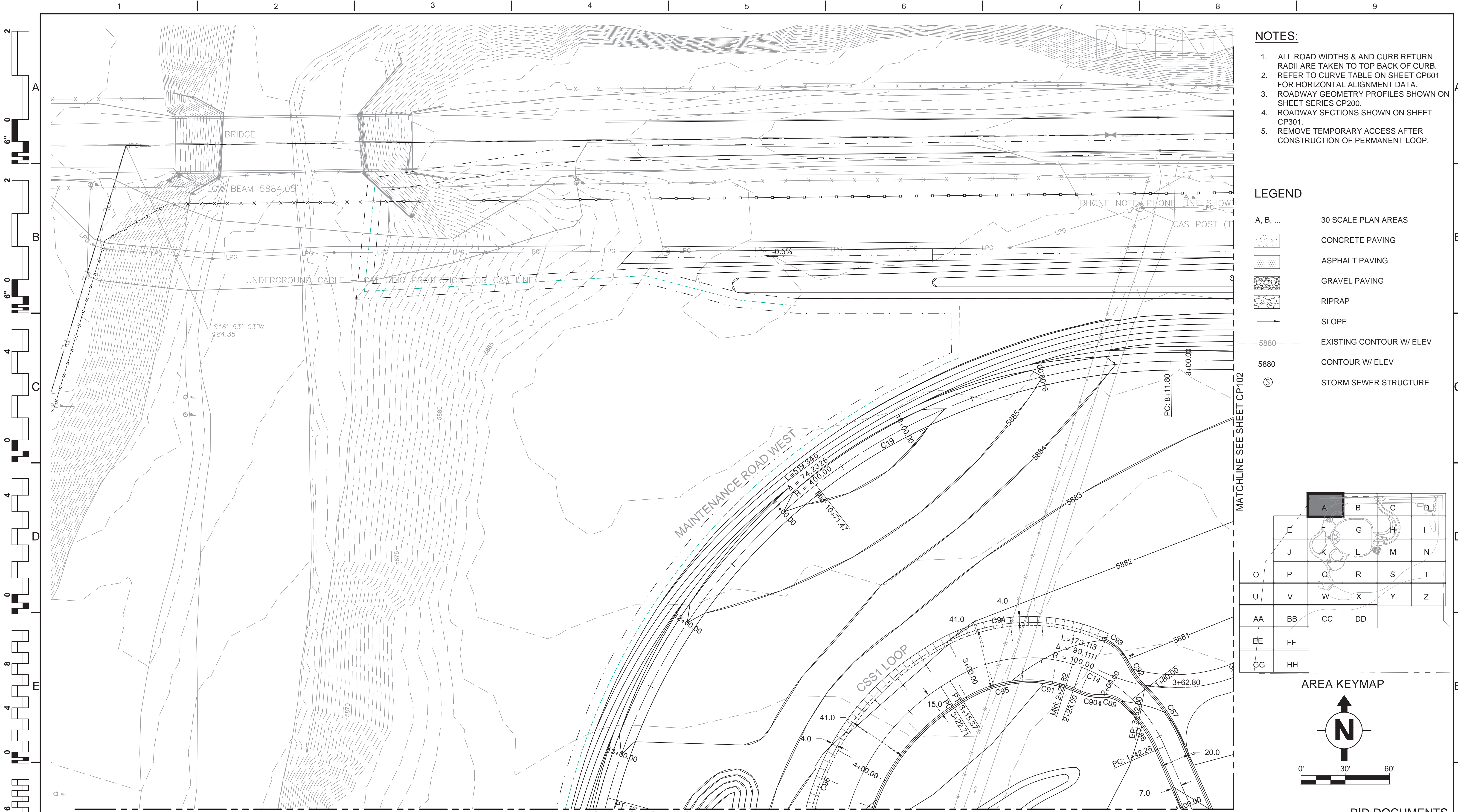


Drawing Title ROADWAY GEOMETRY PLAN OVERALL
Approved: Project Director NAME: BRYAN J. BODNER PHONE: (202) 632-5722 FAX:

Project Title PIKES PEAK NATIONAL CEMETERY	Project Number 933PC2002
Location COLORADO SPRINGS, CO	Building Number
Date MARCH 2017	Checked RID
Drawn ALK	Drawing Number CP100

Dwg. 152 of 655

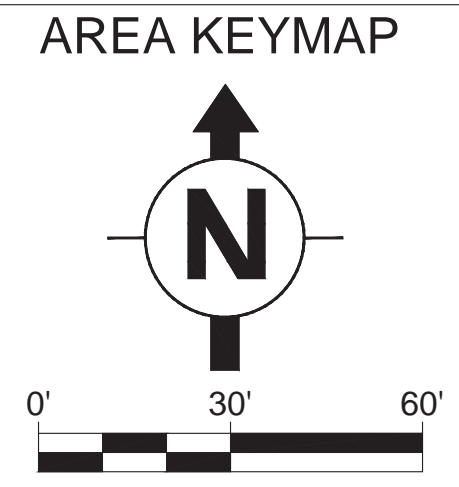
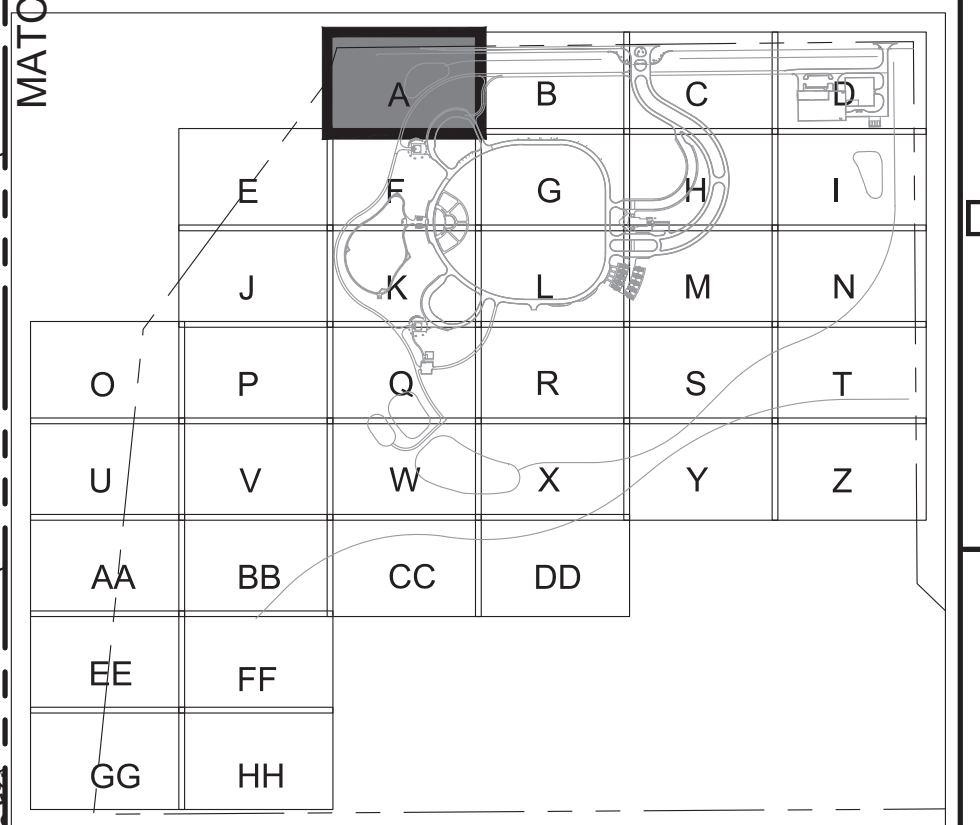
Office of Construction and Facilities Management
Department of Veterans Affairs



- NOTES:**
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
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 3. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
 4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
 5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

- LEGEND**
- A, B, ... 30 SCALE PLAN AREAS
 - [Symbol] CONCRETE PAVING
 - [Symbol] ASPHALT PAVING
 - [Symbol] GRAVEL PAVING
 - [Symbol] RIPRAP
 - [Symbol] SLOPE
 - 5880- EXISTING CONTOUR W/ ELEV
 - 5880- CONTOUR W/ ELEV
 - [Symbol] STORM SEWER STRUCTURE

MATCHLINE SEE SHEET CP102



MATCHLINE SEE SHEET CP105

Revisions:	Date

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
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Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

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SHANNON & WILSON, INC.

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COLORADO REGISTERED PROFESSIONAL ENGINEER
38855
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PLAN AREA A
MAINT RD WEST: STA. 8-13
CSS1 LOOP: STA. 1-4

Approved: Project Director
NAME: BRYAN J. BODNER
PHONE: (202) 632-5722
FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

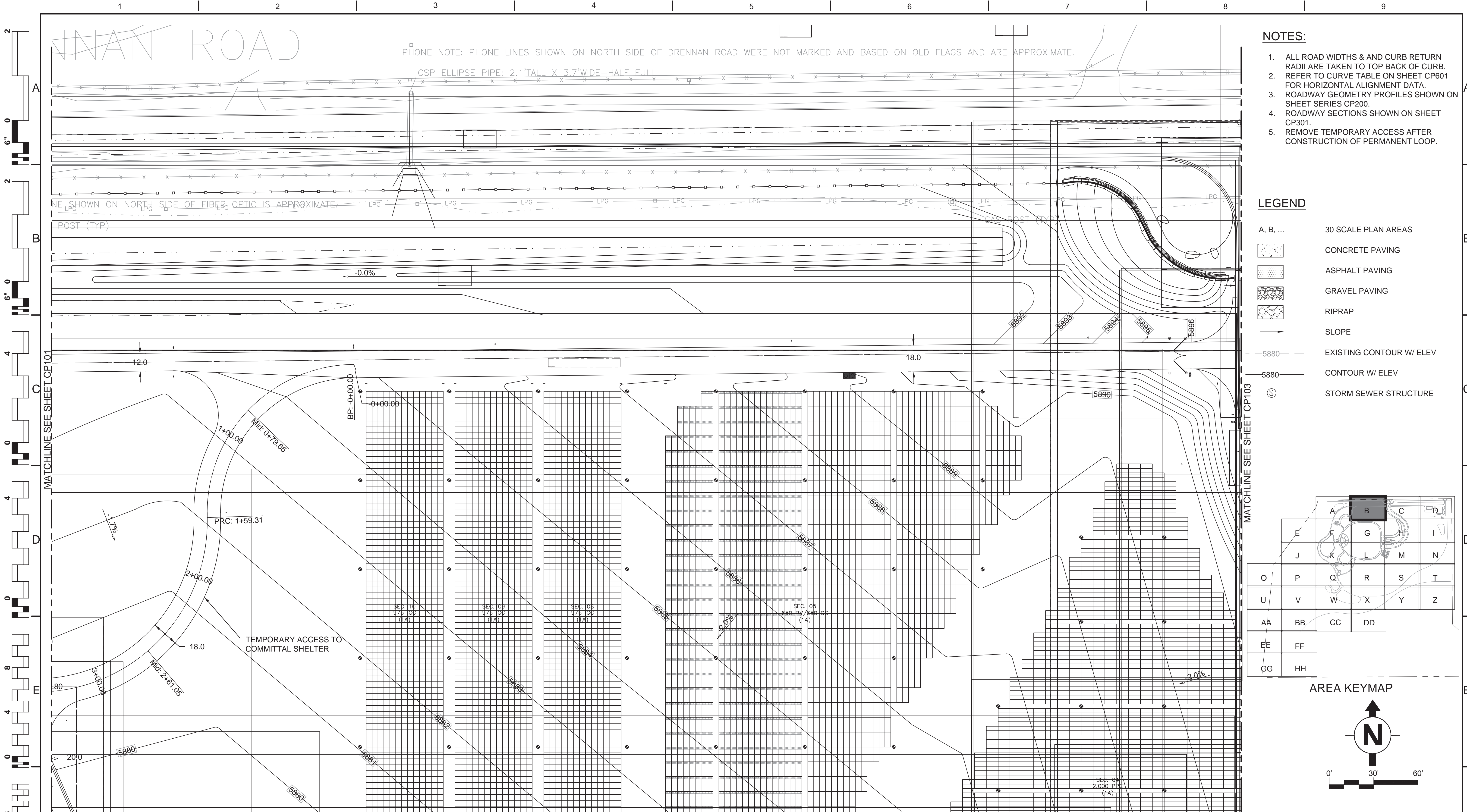
Drawing Number
CP101

Dwg. 153 of 655

BID DOCUMENTS

Office of Construction and Facilities Management

Department of Veterans Affairs

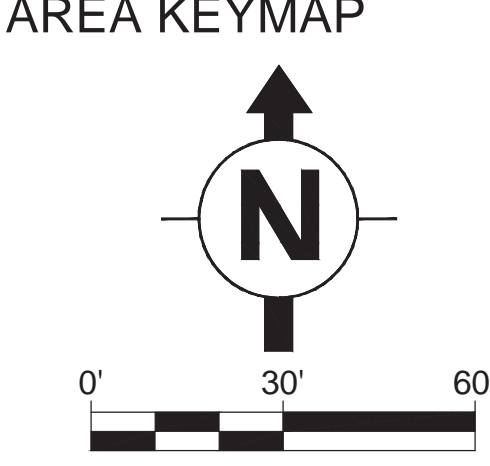
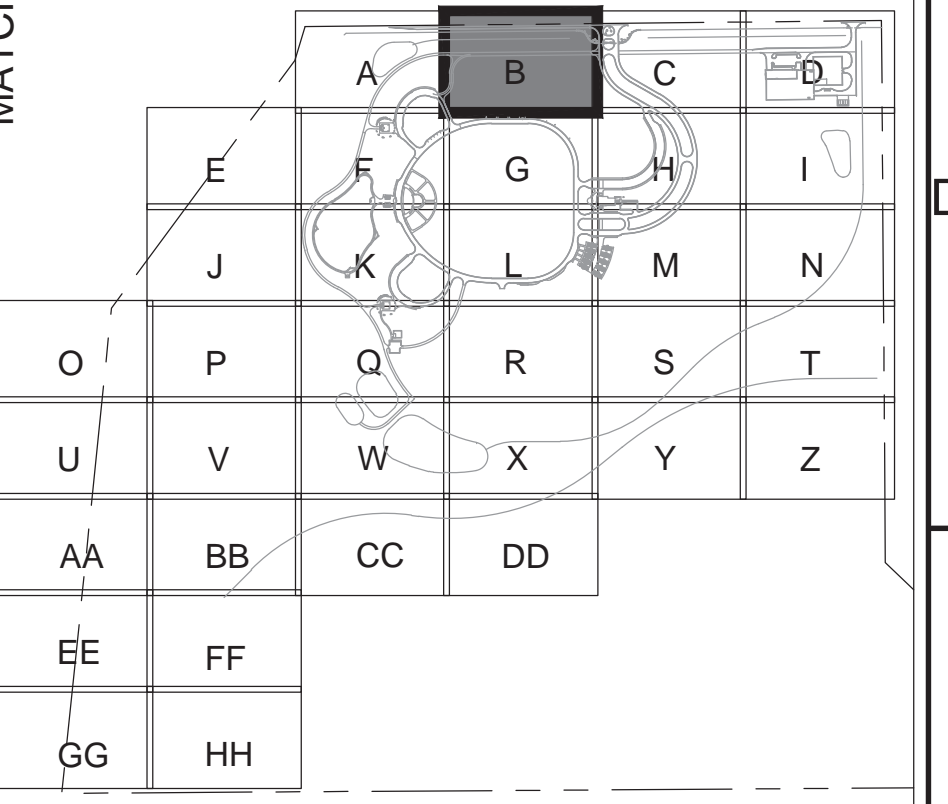


NOTES:

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2. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
3. ROADWAY SECTIONS SHOWN ON SHEET CP301.
4. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

LEGEND

- A, B, ... 30 SCALE PLAN AREAS
- CONCRETE PAVING
- ASPHALT PAVING
- GRAVEL PAVING
- RIPRAP
- SLOPE
- 5880 - EXISTING CONTOUR W/ ELEV
- 5880 - CONTOUR W/ ELEV
- ⊙ - STORM SEWER STRUCTURE



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Revisions:	Date

CONSULTANTS:

The **LA GROUP** Landscape Architecture & Engineering P.C. *People. Purpose. Place.*

Aqua Engineering Inc.

ATKINS *William Guman & Associates, Ltd.*

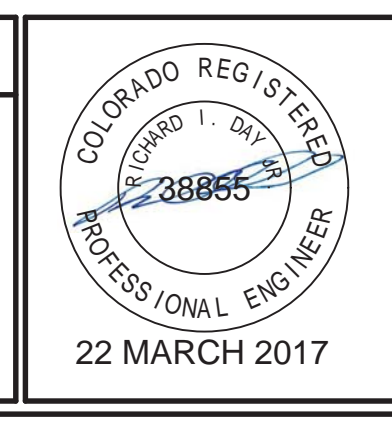
RPA

SHANNON & WILSON INC.

ARCHITECT/ENGINEERS:

AES Group, Inc.

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PH: 303.843.3922
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Drawing Title
**ROADWAY GEOMETRY PLAN AREA B
MAINT RD WEST: STA. 1-7**

Approved: Project Director
NAME: **BRYAN J. BODNER**
PHONE: (202) 632-5722
FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

Building Number

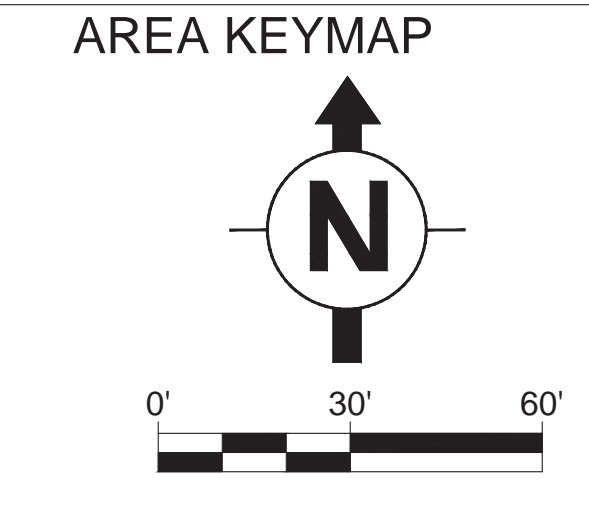
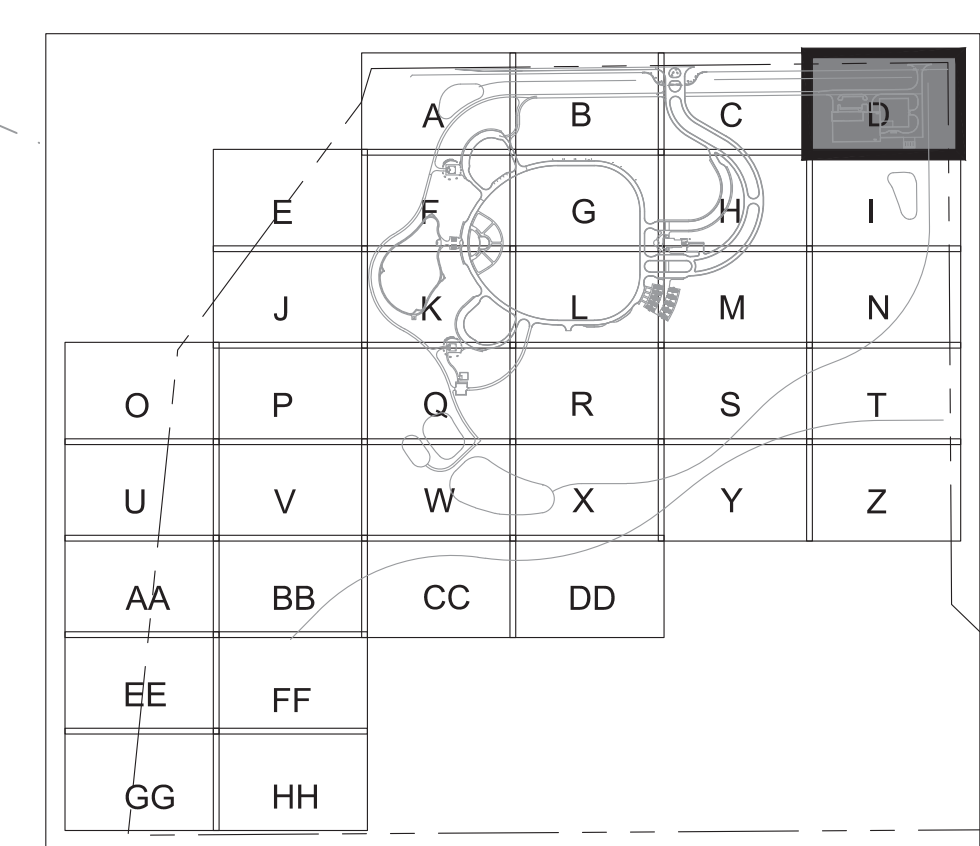
Drawing Number
CP102

Dwg. 154 of 655

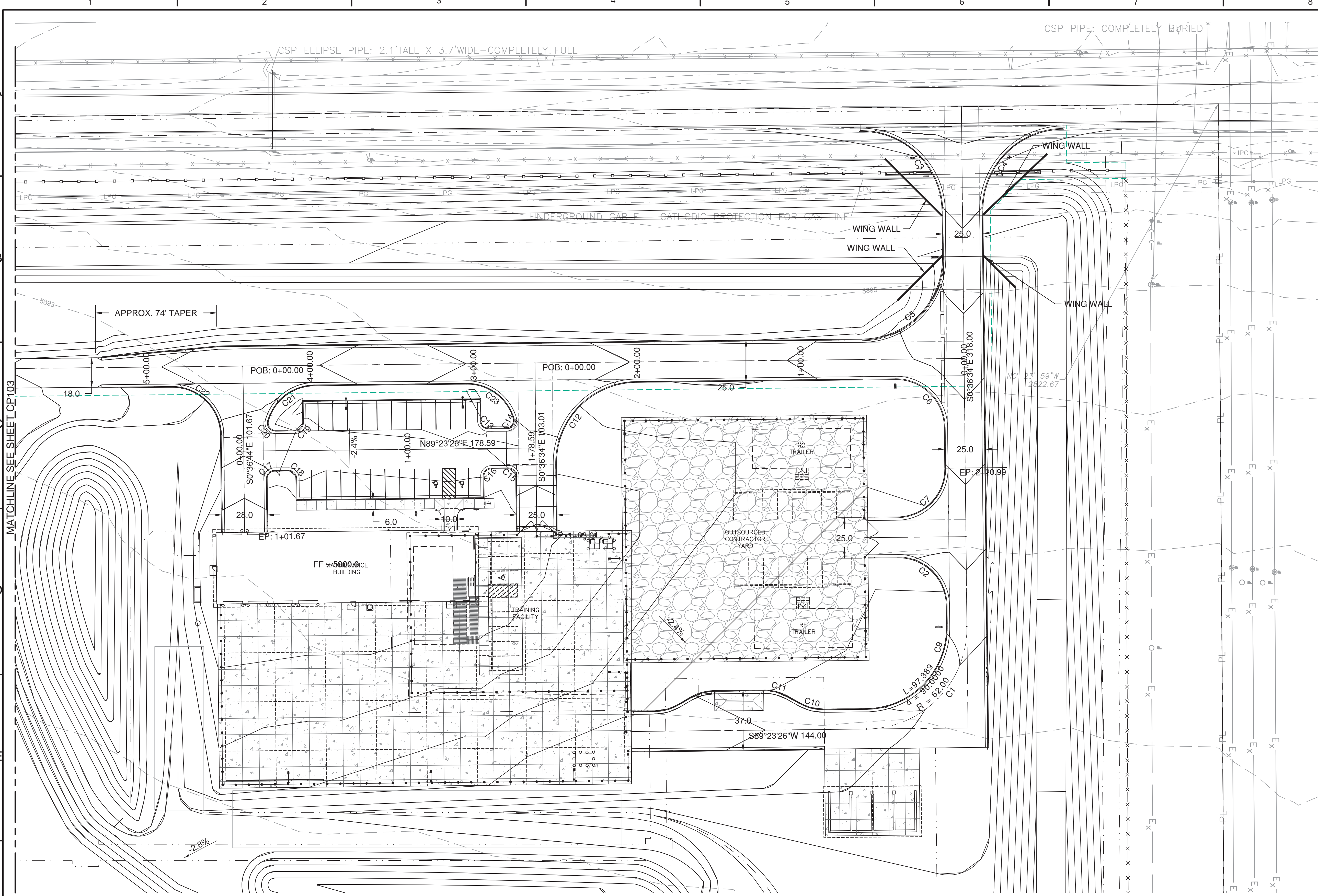


- NOTES:**
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
 2. REFER TO CURVE TABLE ON SHEET CP601 FOR HORIZONTAL ALIGNMENT DATA.
 3. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
 4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
 5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

- LEGEND**
- A, B, ... 30 SCALE PLAN AREAS
 - CONCRETE PAVING
 - ASPHALT PAVING
 - GRAVEL PAVING
 - RIPRAP
 - SLOPE
 - EXISTING CONTOUR W/ ELEV
 - CONTOUR W/ ELEV
 - STORM SEWER STRUCTURE



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Revisions:	Date

CONSULTANTS:

The LA GROUP
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Aqua Engineering Inc.

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SHANNON & WILSON, INC.

ARCHITECT/ENGINEERS:

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COLORADO REGISTERED PROFESSIONAL ENGINEER
28865
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PLAN AREA D
MAINT RD EAST: STA. 0-6
MAINT ENTRY: STA. 0-6

Approved: Project Director
NAME: BRYAN J. BODNER
PHONE: (202) 632-5722
FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

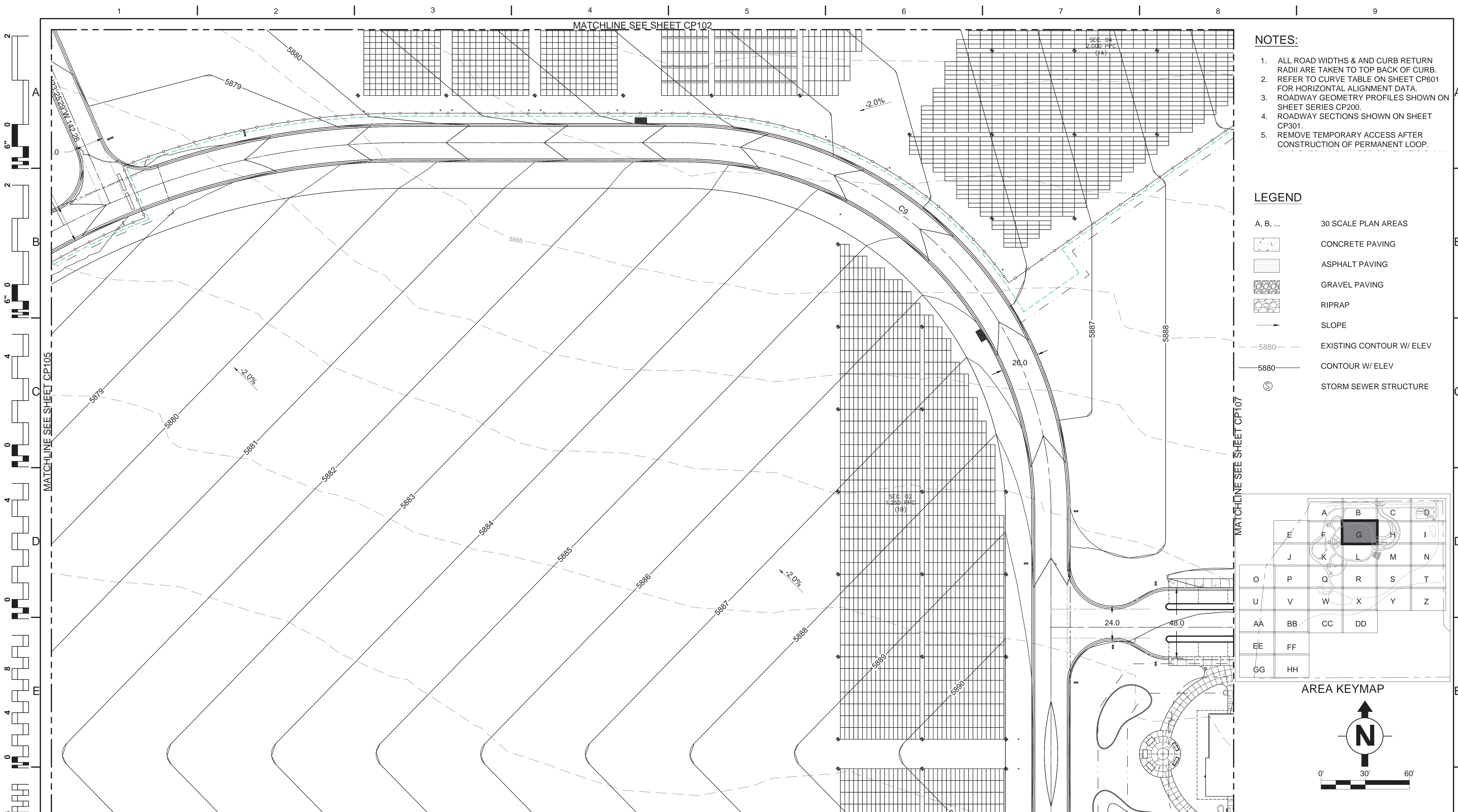
Drawn
ALK

Drawing Number
CP104

Dwg. 156 of 655

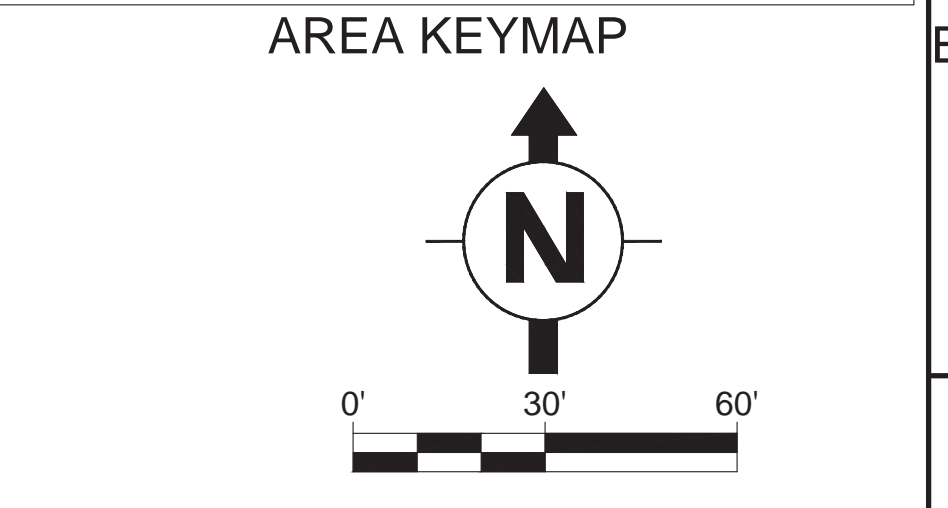
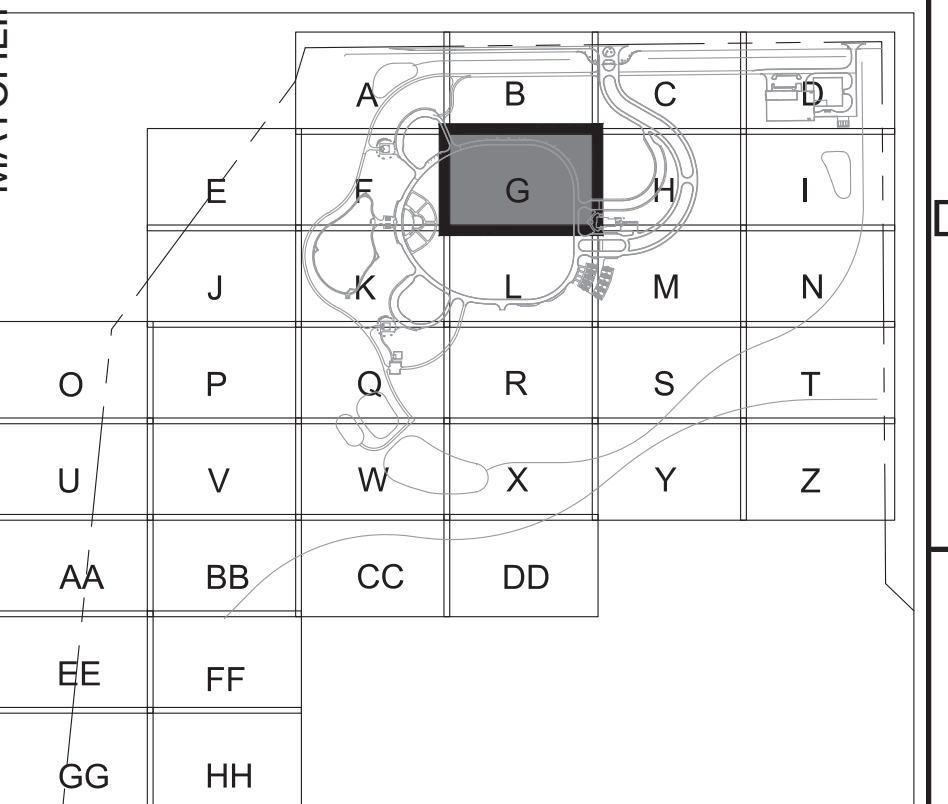
Office of Construction and Facilities Management

Department of Veterans Affairs



- NOTES:**
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
 2. REFER TO CURVE TABLE ON SHEET CP601 FOR HORIZONTAL ALIGNMENT DATA.
 3. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
 4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
 5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

- LEGEND**
- A, B, ... 30 SCALE PLAN AREAS
 - CONCRETE PAVING
 - ASPHALT PAVING
 - GRAVEL PAVING
 - RIPRAP
 - SLOPE
 - 5880- EXISTING CONTOUR W/ ELEV
 - 5880- CONTOUR W/ ELEV
 - STORM SEWER STRUCTURE



Revisions:

No.	Description	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

AES Group, Inc.

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38855
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PLAN AREA G
MAIN LOOP: STA. 12-21

Approved: Project Director
NAME: BRYAN J. BODNER
PHONE: (202) 632-5722
FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Drawing Number
CP106

Dwg. 158 of 655

BID DOCUMENTS

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

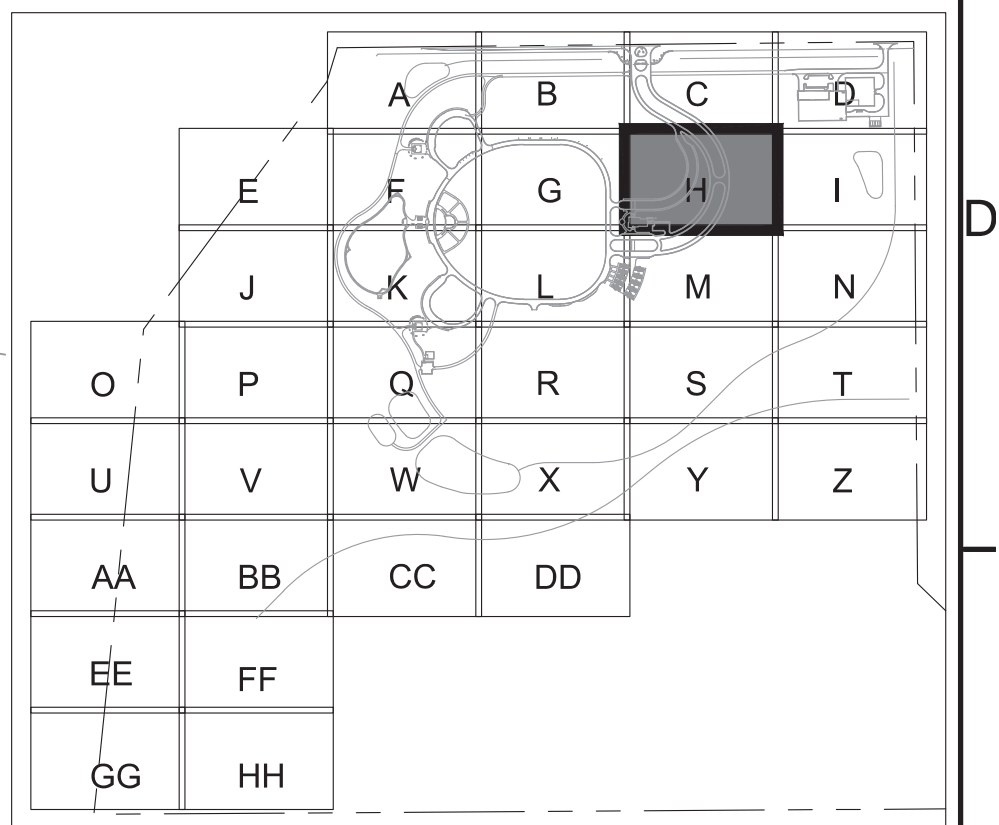
MATCHLINE SEE SHEET CP103

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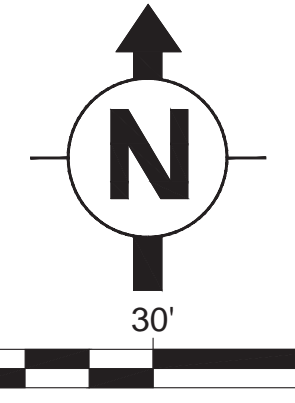
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
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3. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

LEGEND

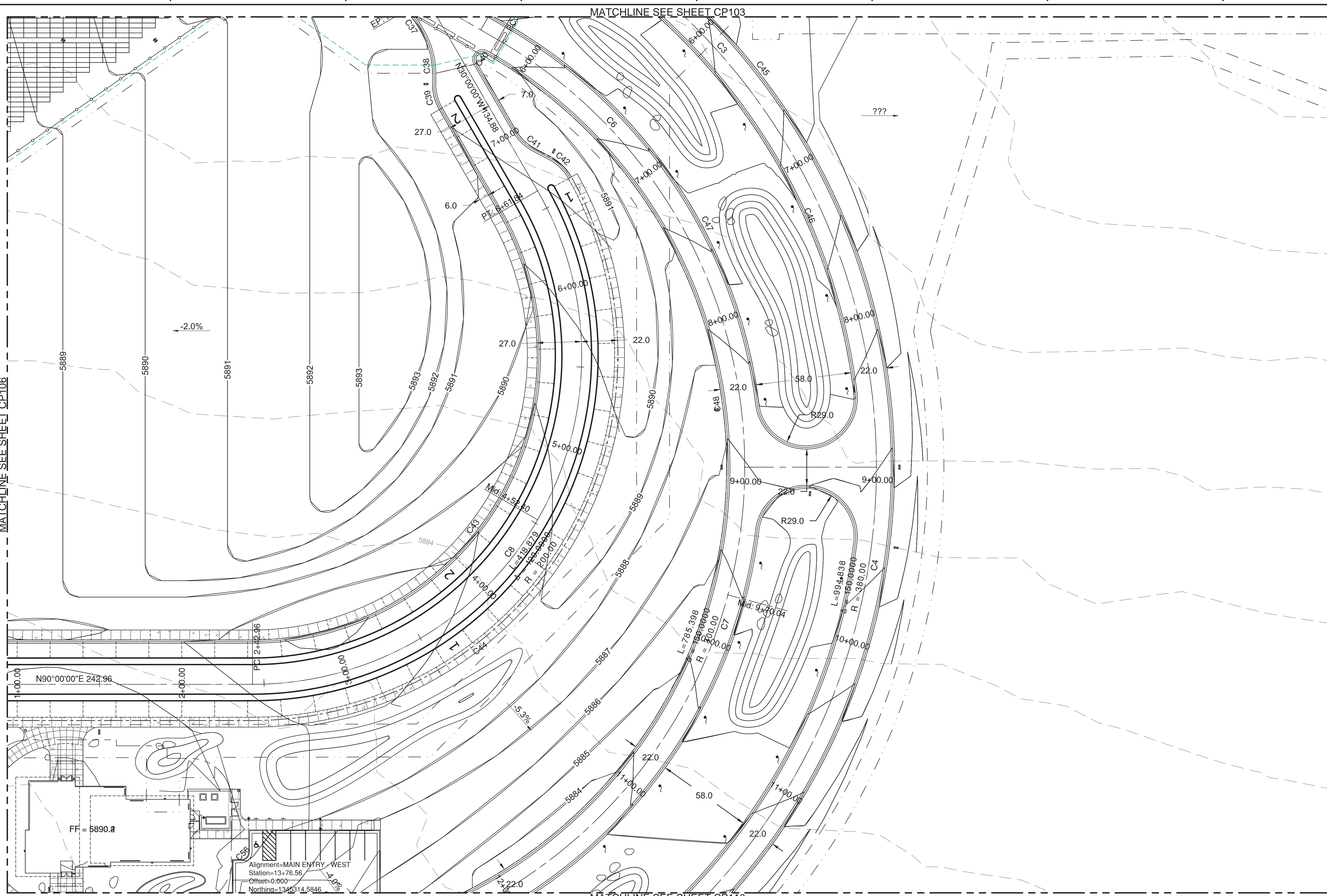
- A, B, ... 30 SCALE PLAN AREAS
- CONCRETE PAVING
- ASPHALT PAVING
- GRAVEL PAVING
- RIPRAP
- SLOPE
- EXISTING CONTOUR W/ ELEV
- CONTOUR W/ ELEV
- STORM SEWER STRUCTURE



AREA KEYMAP



BID DOCUMENTS



MATCHLINE SEE SHEET CP110

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

RPA

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COLORADO REGISTERED PROFESSIONAL ENGINEER
38865
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PLAN AREA H
MAIN ENTRY: 6-11

Approved: Project Director
NAME: BRYAN J. BODNER
PHONE: (202) 632-5722
FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Drawing Number
CP107

Dwg. 159 of 655

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

MATCHLINE SEE SHEET CP105

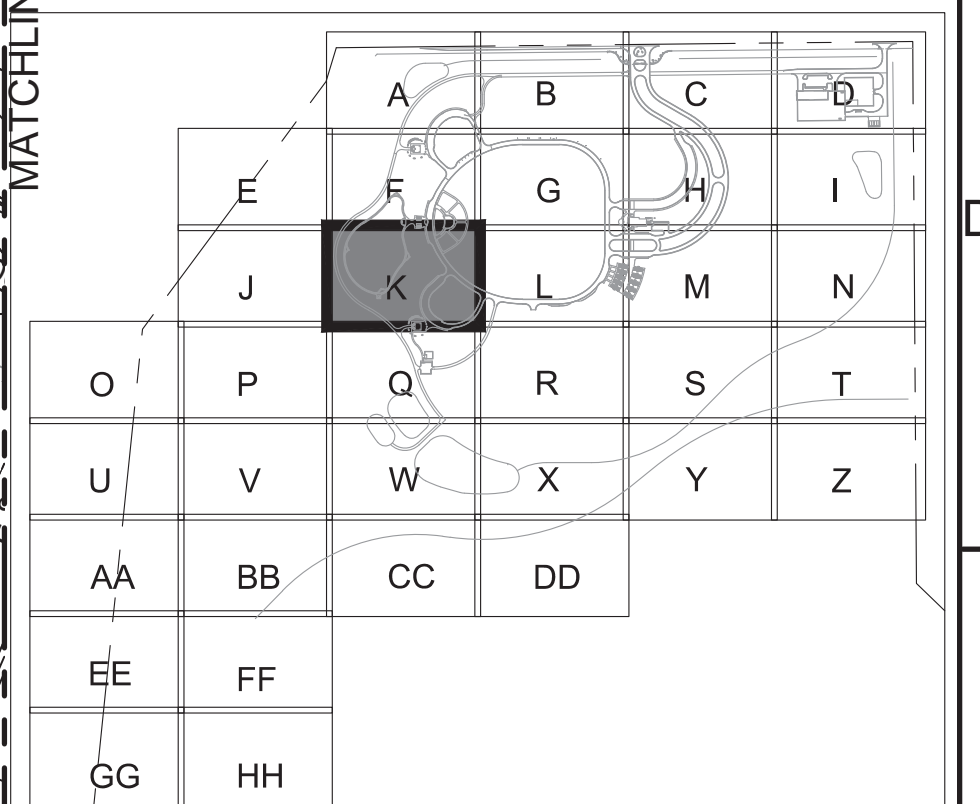
NOTES:

1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
2. REFER TO CURVE TABLE ON SHEET CP601 FOR HORIZONTAL ALIGNMENT DATA.
3. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

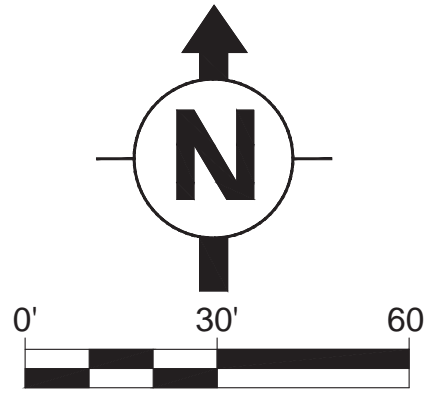
LEGEND

- A, B, ... 30 SCALE PLAN AREAS
- CONCRETE PAVING
- ASPHALT PAVING
- GRAVEL PAVING
- RIPRAP
- SLOPE
- 5880- EXISTING CONTOUR W/ ELEV
- 5880 CONTOUR W/ ELEV
- STORM SEWER STRUCTURE

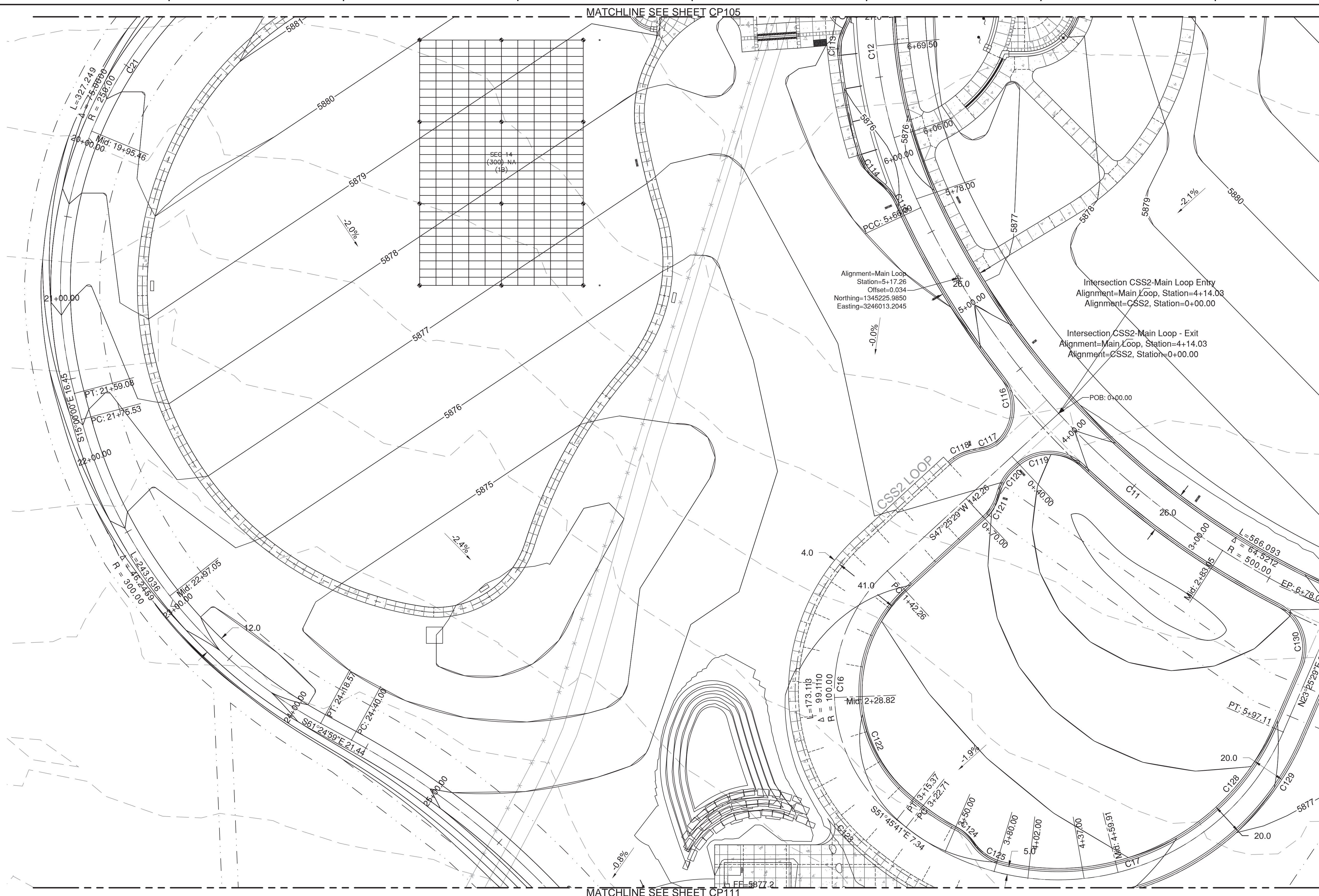
MATCHLINE SEE SHEET CP109



AREA KEYMAP



BID DOCUMENTS



MATCHLINE SEE SHEET CP111

Revisions:	Date

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

William Guman & Associates, Ltd.

SHANNON & WILSON, INC.

ARCHITECT/ENGINEERS:

AES Group, Inc.
11031 SOUTH PIKES PEAK DRIVE #202
PARKER, COLORADO 80138
PH: 303.843.3922
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22 MARCH 2017

Drawing Title
 ROADWAY GEOMETRY PLAN AREA K
 CSS2 LOOP: STA. 0-6
 MAIN LOOP: STA. 3-6
 MAINT ROAD WEST: STA. 20-25

Approved: Project Director
 NAME: BRYAN J. BODNER
 PHONE: (202) 632-5722
 FAX:

Project Title
 PIKES PEAK NATIONAL CEMETERY

Location
 COLORADO SPRINGS, CO

Date: MARCH 2017

Checked: RID

Drawn: ALK

Project Number
 933PC2002

Building Number

Drawing Number
CP108

Dwg. 160 of 655

Office of Construction and Facilities Management

 Department of Veterans Affairs

MATCHLINE SEE SHEET CP106

NOTES:

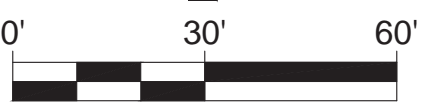
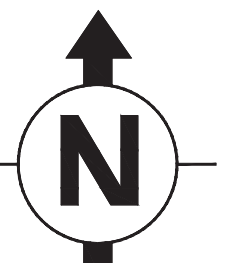
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
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3. ROADWAY GEOMETRY PROFILES SHOWN ON SHEET SERIES CP200.
4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

LEGEND

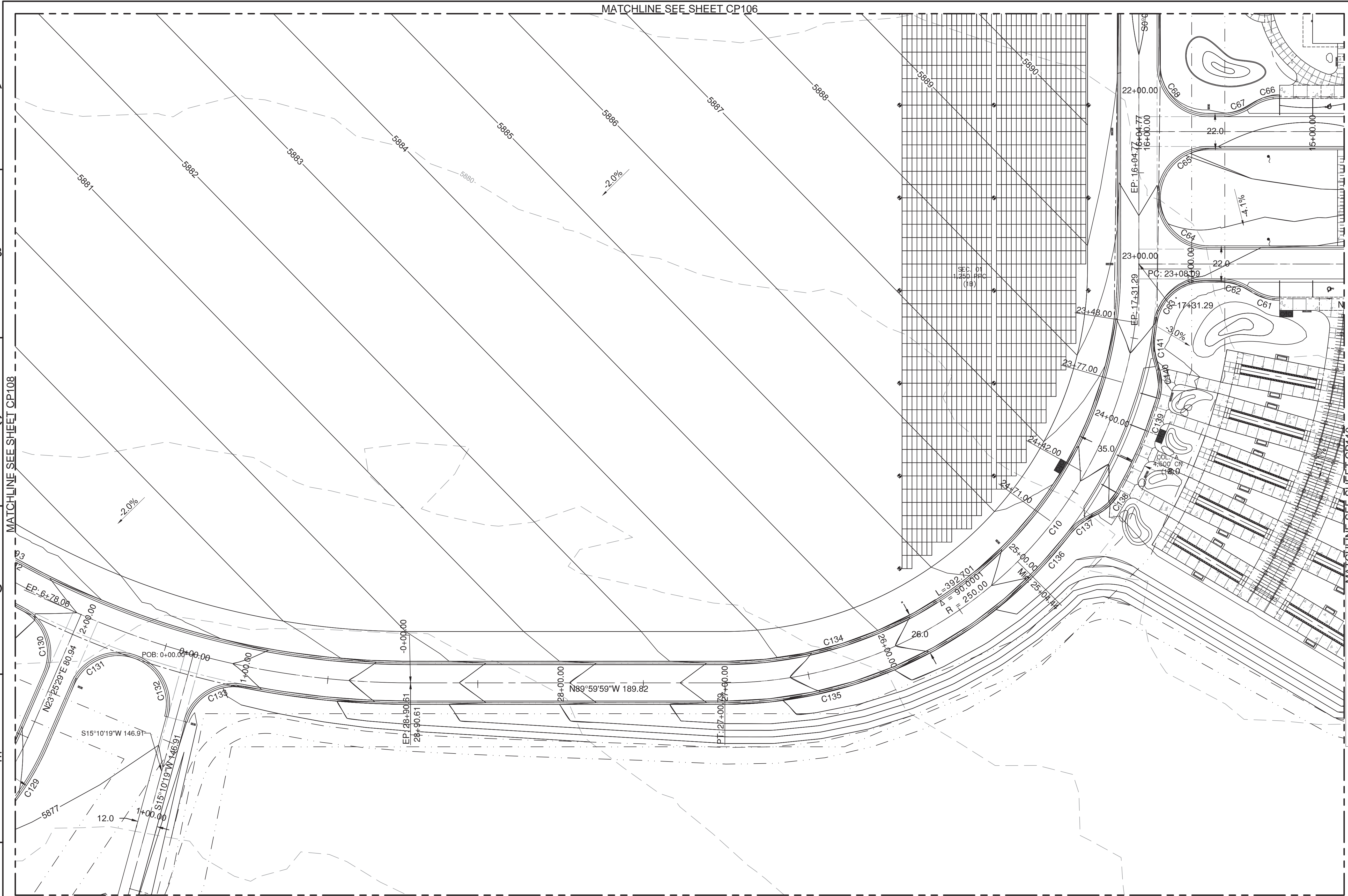
- A, B, ... 30 SCALE PLAN AREAS
- CONCRETE PAVING
- ASPHALT PAVING
- GRAVEL PAVING
- RIPRAP
- SLOPE
- EXISTING CONTOUR W/ ELEV
- CONTOUR W/ ELEV
- STORM SEWER STRUCTURE

A	B	C	D
E	F	G	H
J	K	L	M
O	P	Q	R
U	V	W	X
AA	BB	CC	DD
EE	FF		
GG	HH		

AREA KEYMAP



BID DOCUMENTS



MATCHLINE SEE SHEET CP112

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

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William Guman & Associates, Ltd.

RPA
SHANNON & WILSON, INC.

ARCHITECT/ENGINEERS:

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PARKER, COLORADO 80138
PH: 303.843.3922
WWW.AES-GRP.COM

COLORADO REGISTERED PROFESSIONAL ENGINEER
38865
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PLAN AREA L
MAIN LOOP: STA. 0-2, 22-28

Approved: Project Director
NAME: BRYAN J. BODNER
PHONE: (202) 632-5722
FAX:

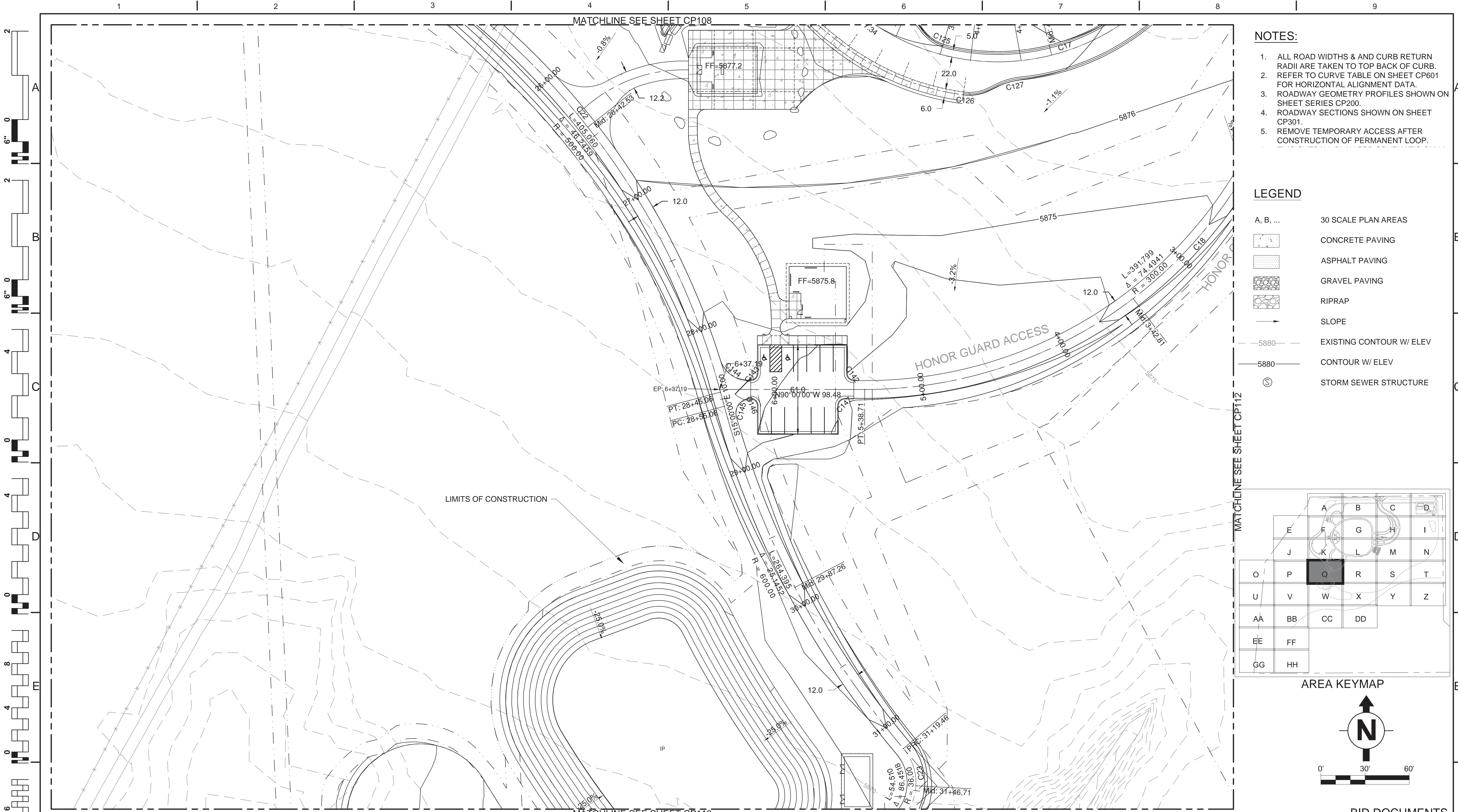
Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO
Date
MARCH 2017

Project Number
933PC2002

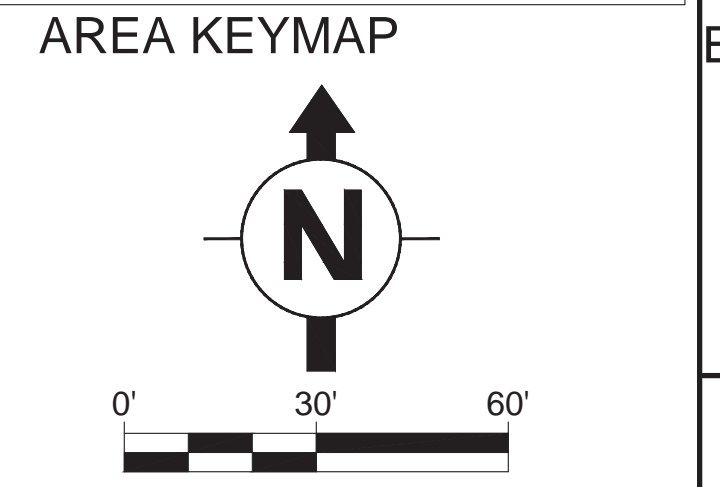
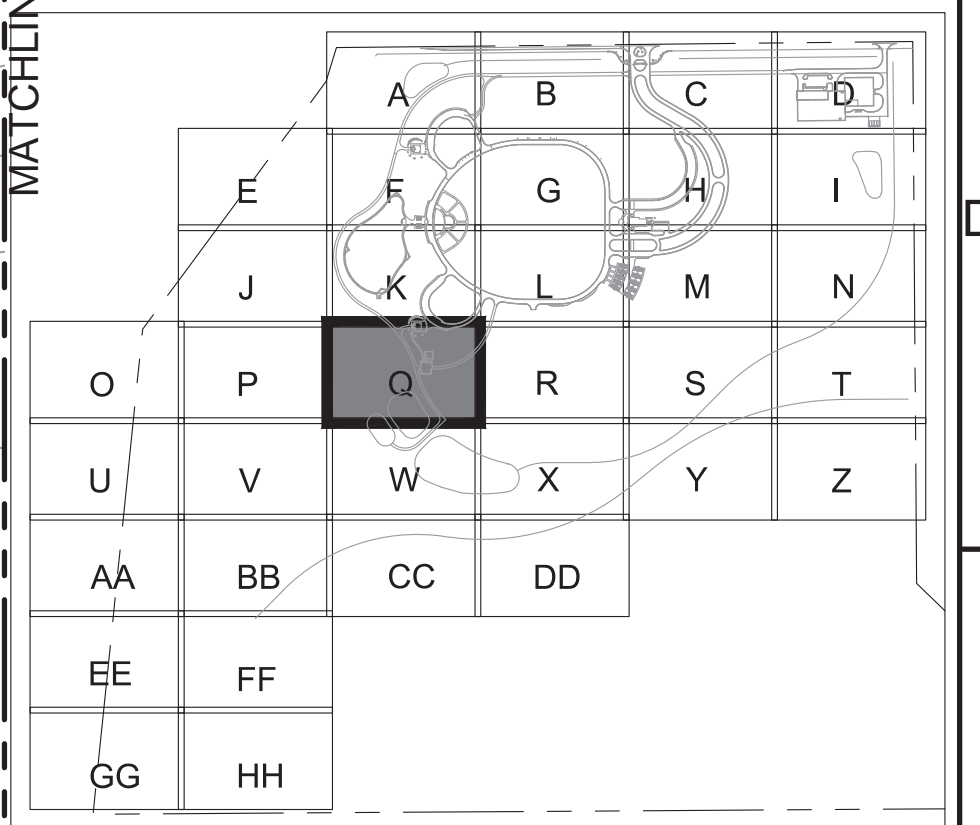
Building Number
Drawing Number
CP109
Dwg. 161 of 655

Office of Construction and Facilities Management
Department of Veterans Affairs



- NOTES:**
1. ALL ROAD WIDTHS & AND CURB RETURN RADII ARE TAKEN TO TOP BACK OF CURB.
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 4. ROADWAY SECTIONS SHOWN ON SHEET CP301.
 5. REMOVE TEMPORARY ACCESS AFTER CONSTRUCTION OF PERMANENT LOOP.

- LEGEND**
- A, B, ... 30 SCALE PLAN AREAS
 - CONCRETE PAVING
 - ASPHALT PAVING
 - GRAVEL PAVING
 - RIPRAP
 - SLOPE
 - 5880- EXISTING CONTOUR W/ ELEV
 - 5880- CONTOUR W/ ELEV
 - STORM SEWER STRUCTURE



BID DOCUMENTS

Revisions:	Date:

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

RPA
SHANNON & WILSON, INC.

ARCHITECT/ENGINEERS:

AES Group, Inc.
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22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PLAN AREA Q
MAINT RD WEST: STA. 26-31
HONOR GAURD ACCESS: STA. 3-6

Approved: Project Director
NAME: BRYAN J. BODNER
PHONE: (202) 632-5722
FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

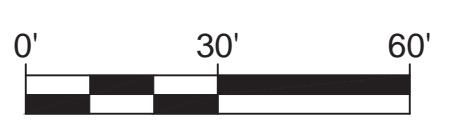
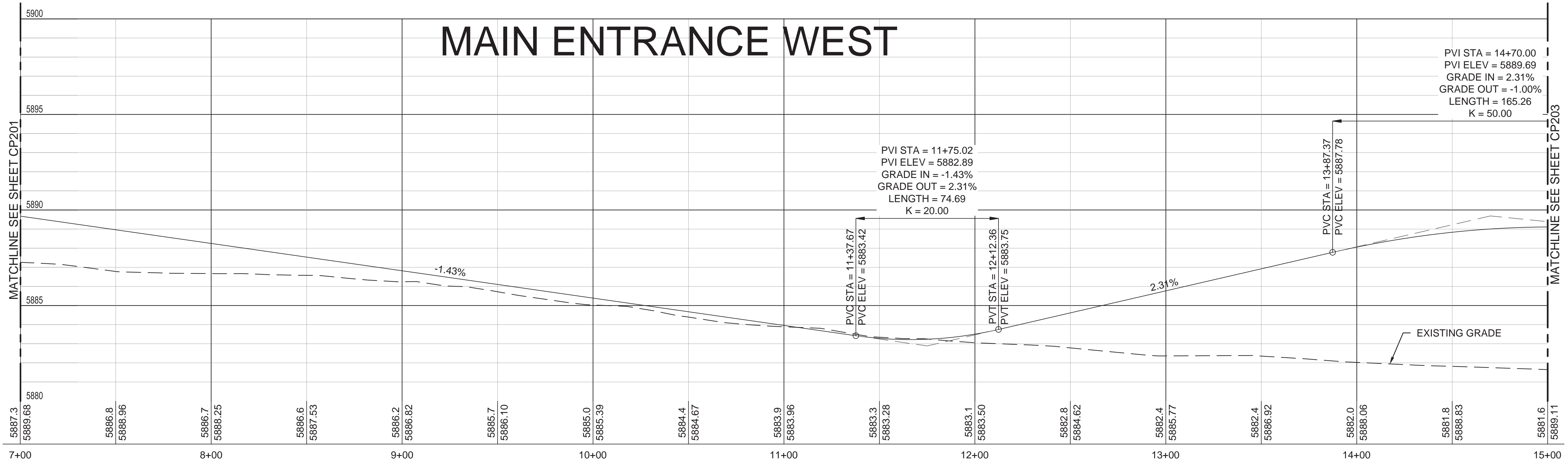
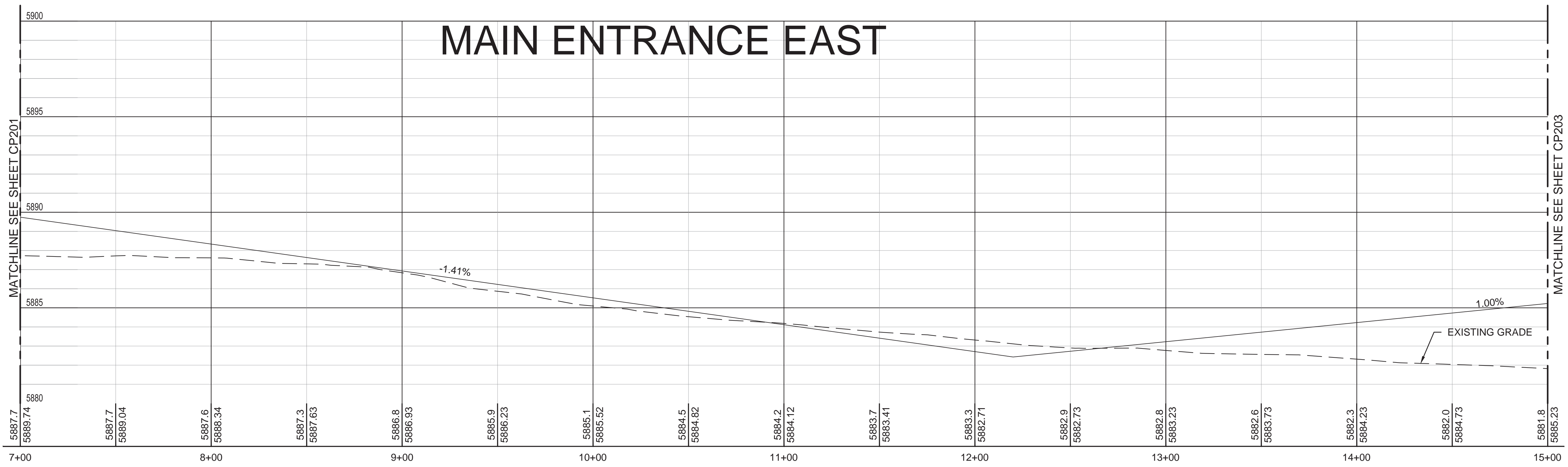
Date
MARCH 2017

Checked
RID

Drawn
ALK

Drawing Number
CP111
Dwg. 163 of 655

Office of Construction and Facilities Management
Department of Veterans Affairs



Revisions:	Date

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

RPA

SHANNON & WILSON INC.

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Drawing Title
ROADWAY GEOMETRY PROFILE
MAIN ENTRANCE
SHEET 2 OF 3

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

Building Number

Drawing Number
CP202

Dwg. 167 of 655

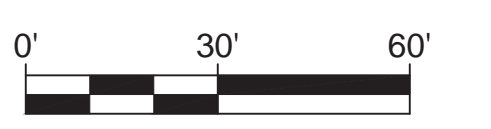
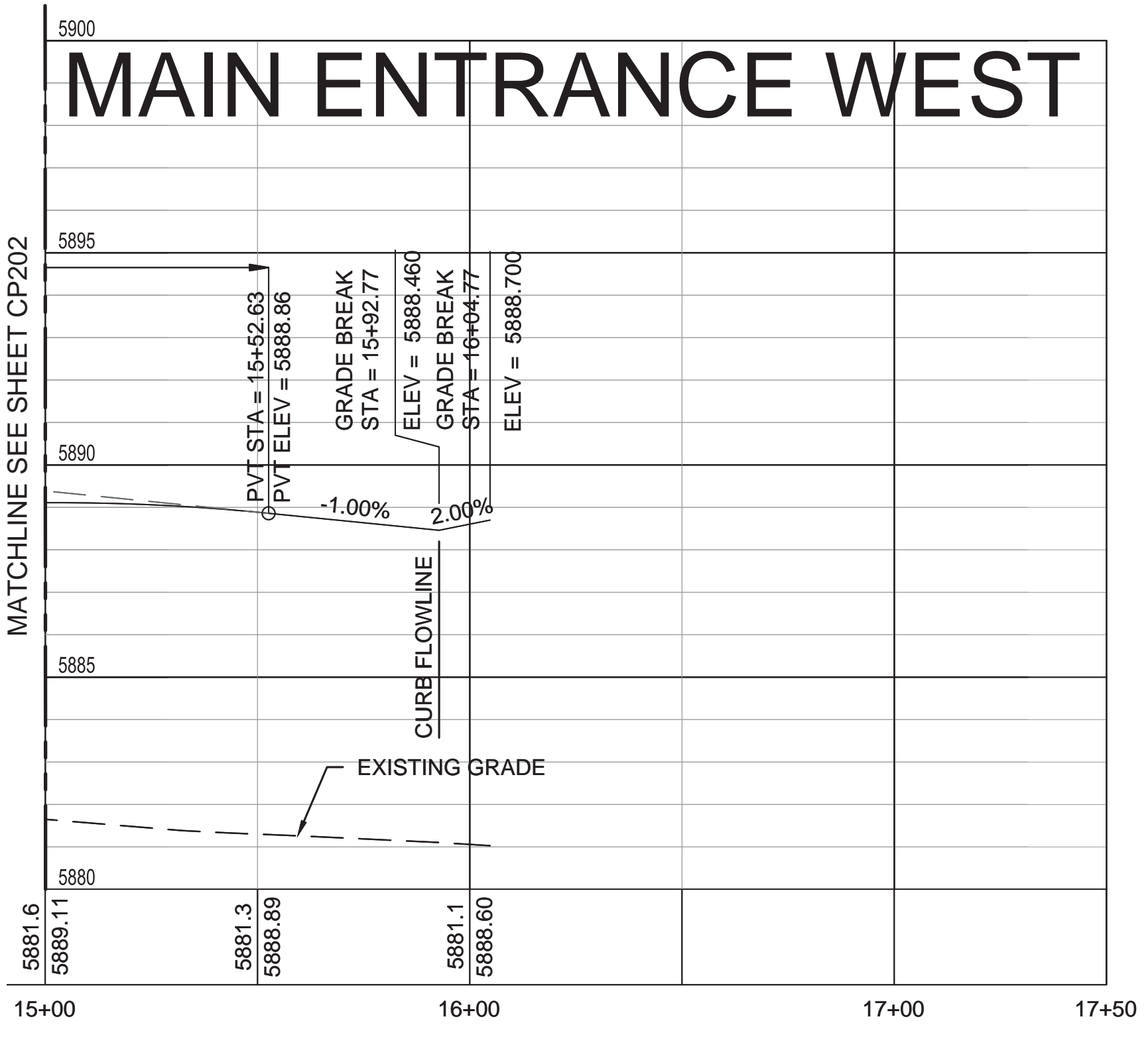
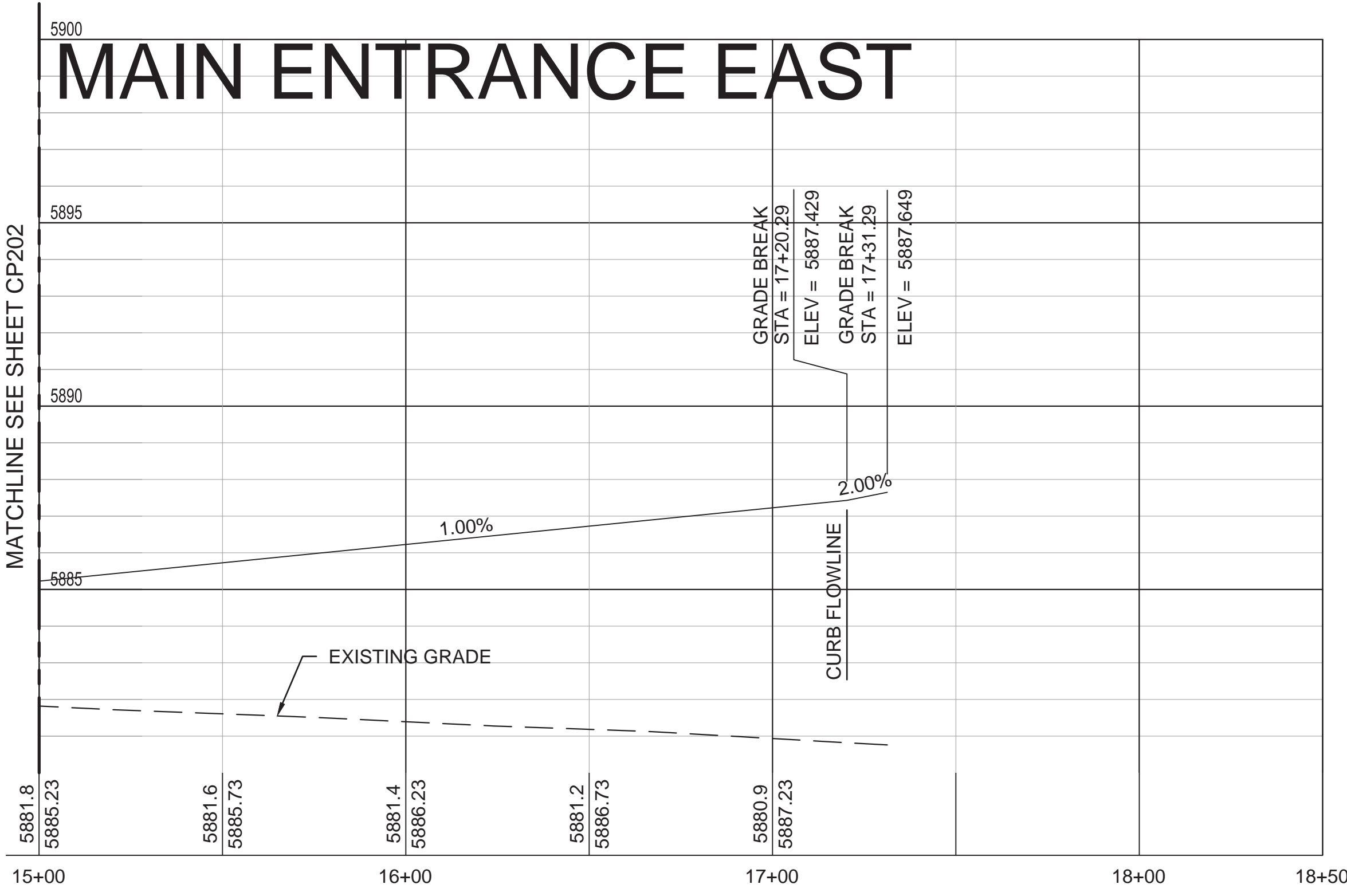
BID DOCUMENTS

**Office of
Construction
and Facilities
Management**

Department of Veterans Affairs

2
A
6" 0
2
B
6" 0
4
C
0
4
D
0
8
4
E
0
16
4
8
F

A
B
C
D
E
F



Revisions:	Date

CONSULTANTS:

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22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PROFILE
MAIN ENTRANCE
SHEET 3 OF 3

Approved: Project Director
NAME: BRYAN J. BODNER
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

Building Number

Drawing Number
CP203

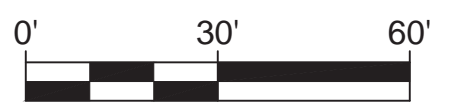
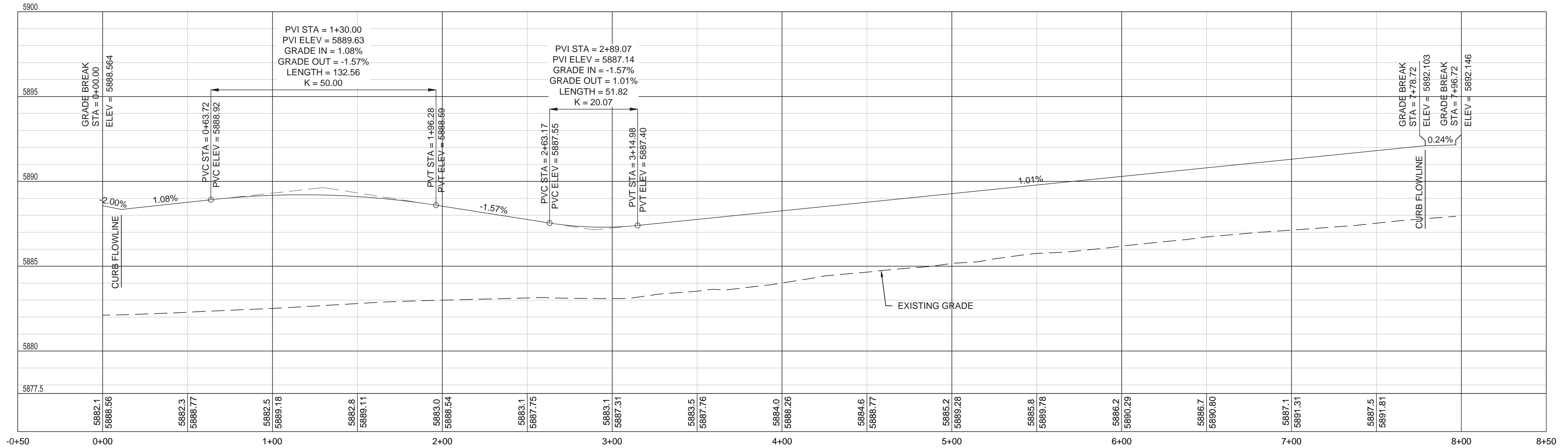
Dwg. 168 of 655

BID DOCUMENTS

Office of Construction and Facilities Management

Department of Veterans Affairs

CORTEGE LANE



BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

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Drawing Title
ROADWAY GEOMETRY PROFILE
CORTEGE LANE

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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

Building Number

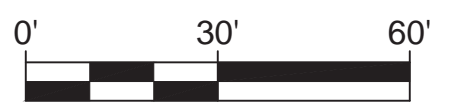
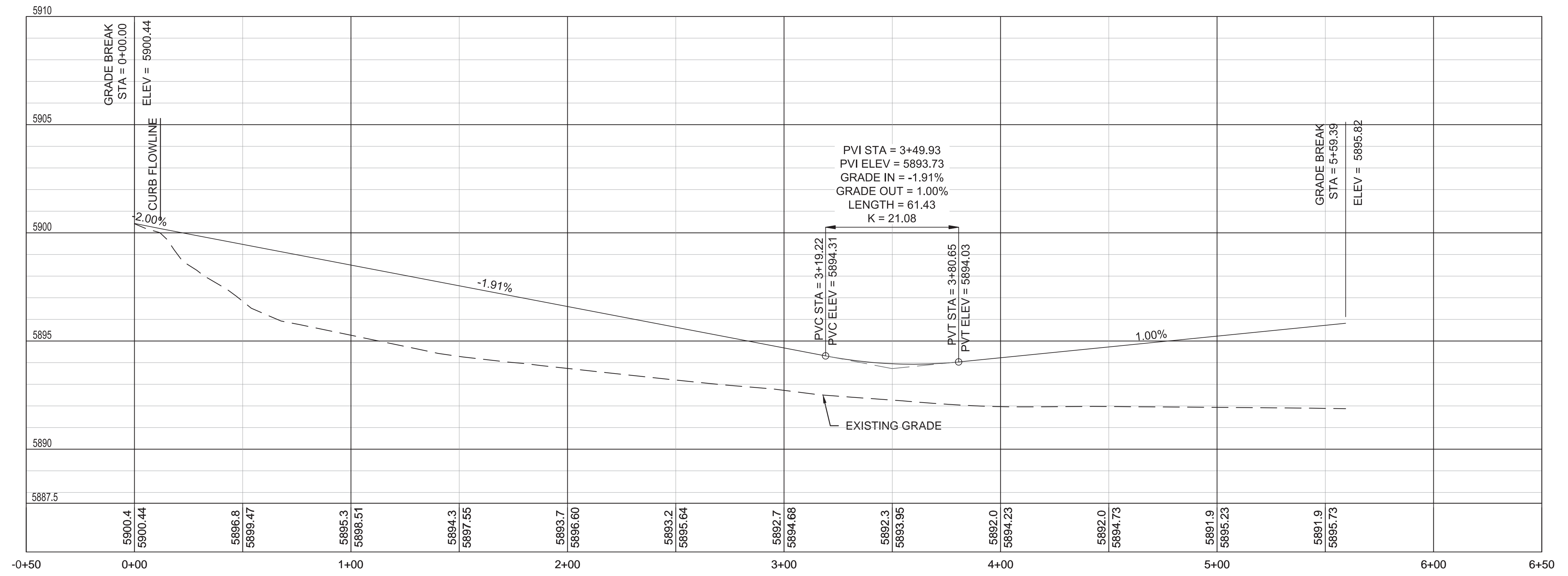
Drawing Number
CP204

Dwg. 169 of 655

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

MAINTENANCE ENTRY



2
6"
2
6"
4
0
4
0
4
0
8
4
0
16
4
0
8

A
B
C
D
E
F

BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

ATKINS
William Guman & Associates, Ltd.

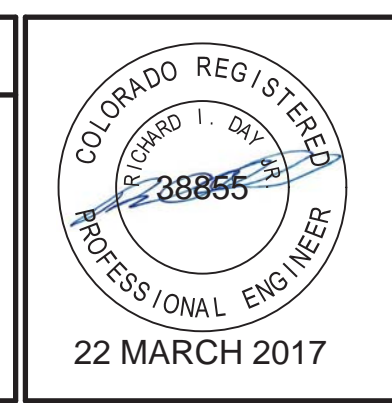
RPA

SHANNON & WILSON, INC.

ARCHITECT/ENGINEERS:

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Drawing Title
ROADWAY GEOMETRY PROFILE
MAINTENANCE ENTRY

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

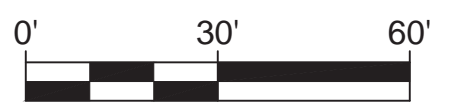
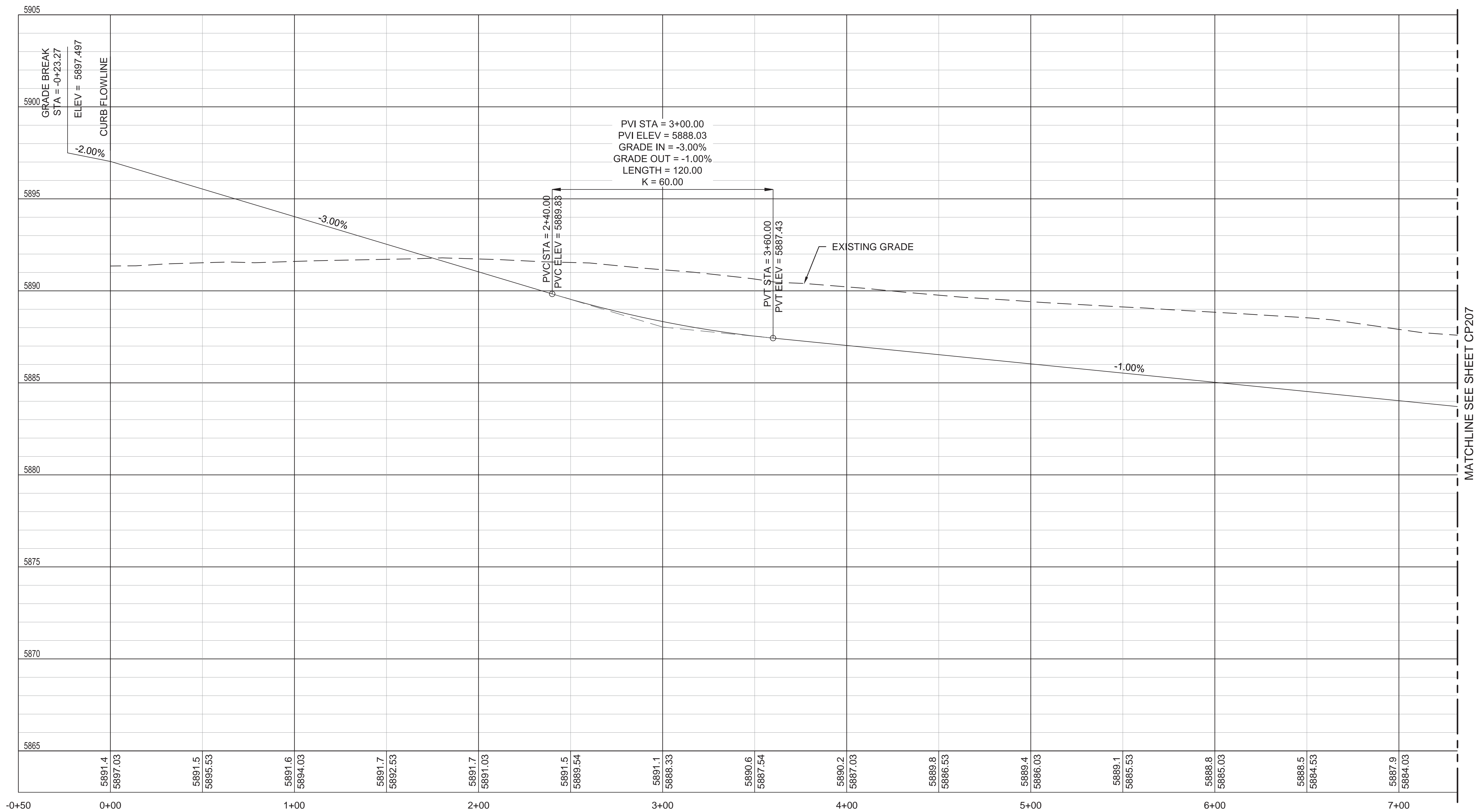
Building Number

Drawing Number
CP205
Dwg. 170 of 655

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

MAINTENANCE ROAD WEST



CONSULTANTS:

 The LA GROUP Landscape Architecture & Engineering P.C. <i>People. Purpose. Place.</i>	 Aqua Engineering Inc.	 William Guman & Associates, Ltd.	 RPA	 SHANNON & WILSON INC.
-------------------------------------------------------------------------------------------------	---------------------------	--------------------------------------	---------	---------------------------

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COLORADO REGISTERED PROFESSIONAL ENGINEER
 38865
 22 MARCH 2017

Drawing Title
 ROADWAY GEOMETRY PROFILE
 MAINTENANCE ROAD WEST
 SHEET 1 OF 5

Approved: Project Director
 NAME: BRYAN J. BODNER
 PHONE: (202) 632-5722
 FAX:

Project Title
 PIKES PEAK NATIONAL CEMETERY

Location
 COLORADO SPRINGS, CO

Date
 MARCH 2017

Checked
 RID

Drawn
 ALK

Project Number
 933PC2002

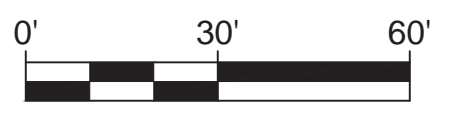
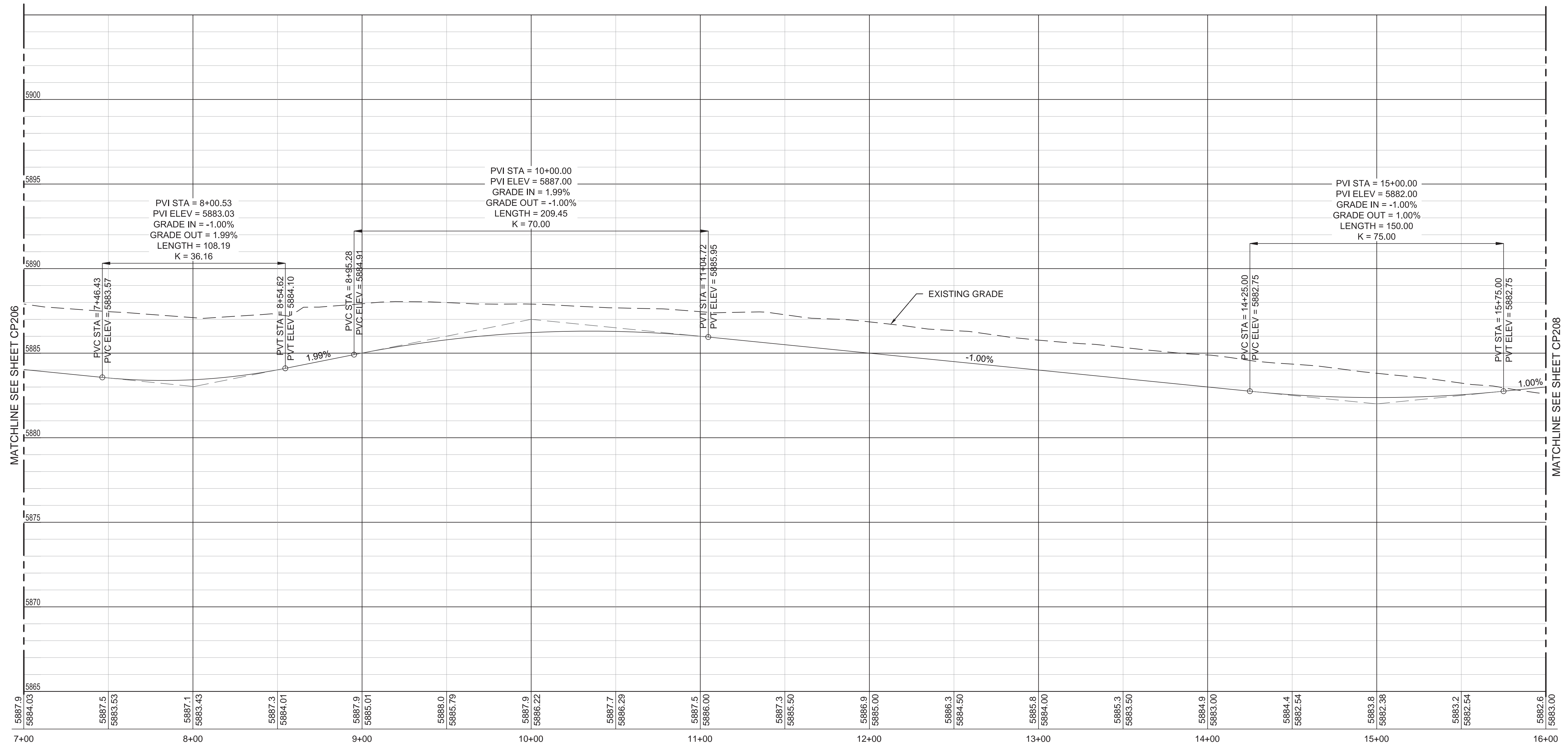
Building Number

Drawing Number
CP206
 Dwg. 171 of 655

BID DOCUMENTS

Office of Construction and Facilities Management
 Department of Veterans Affairs

MAINTENANCE ROAD WEST



Revisions:	Date

CONSULTANTS:

The LA GROUP
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 22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PROFILE
MAINTENANCE ROAD WEST
SHEET 2 OF 5

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Drawing Number
CP207

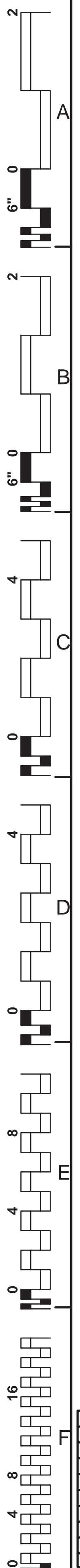
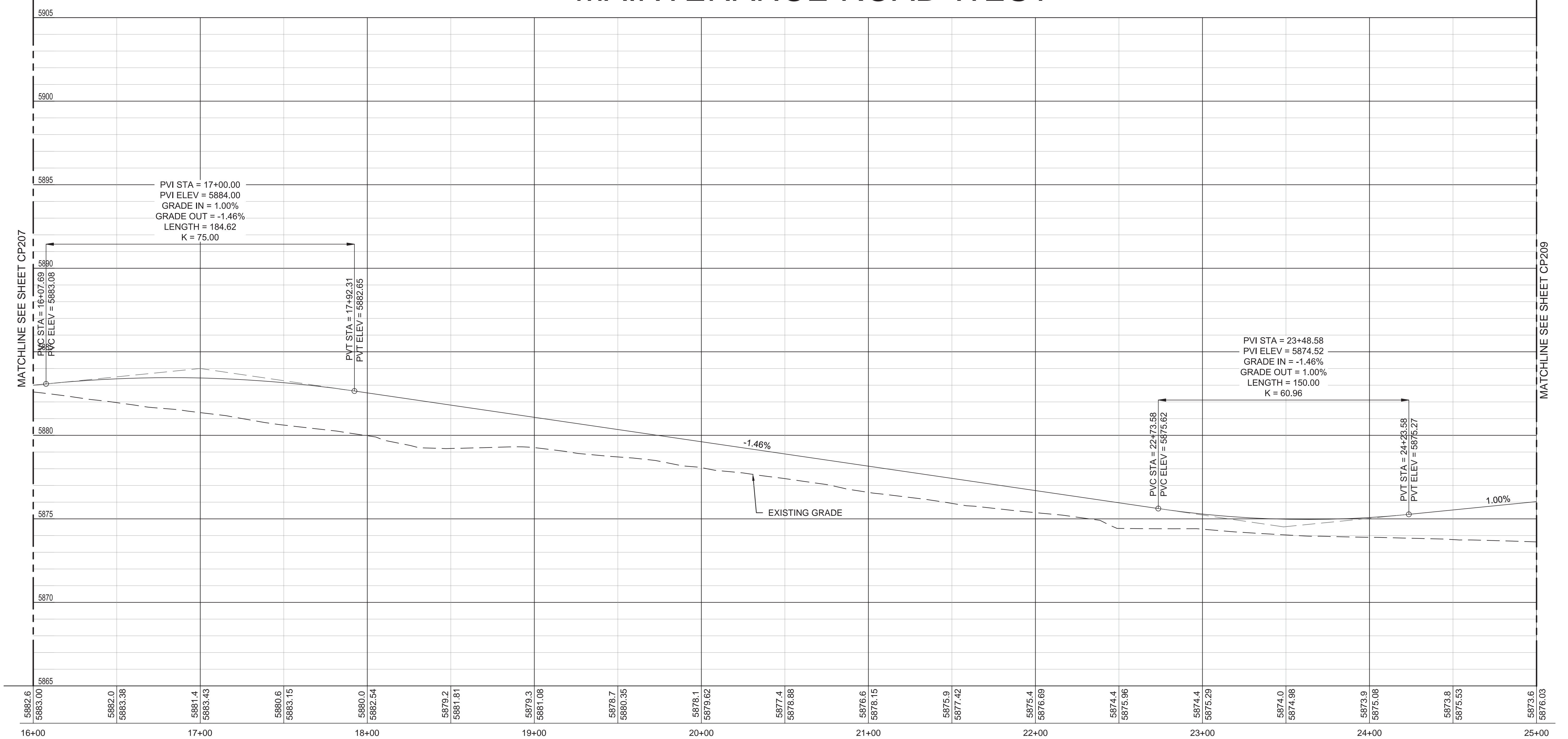
Dwg. 172 of 655

BID DOCUMENTS

Office of Construction and Facilities Management

Department of Veterans Affairs

MAINTENANCE ROAD WEST



Revisions:	Date

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

Aqua Engineering Inc.

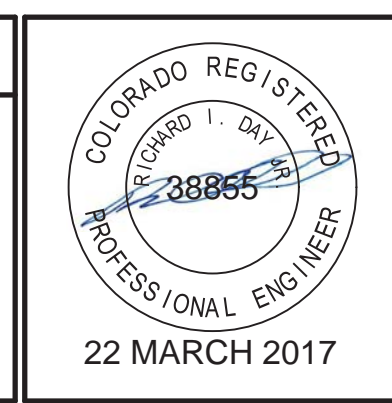
ATKINS
William Guman & Associates, Ltd.

RPA

SHANNON & WILSON, INC.

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Drawing Title
ROADWAY GEOMETRY PROFILE
MAINTENANCE ROAD WEST
SHEET 3 OF 5

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

Building Number

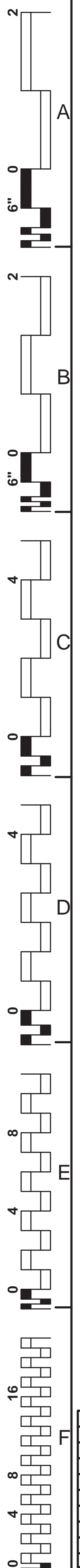
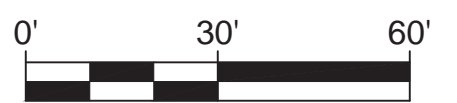
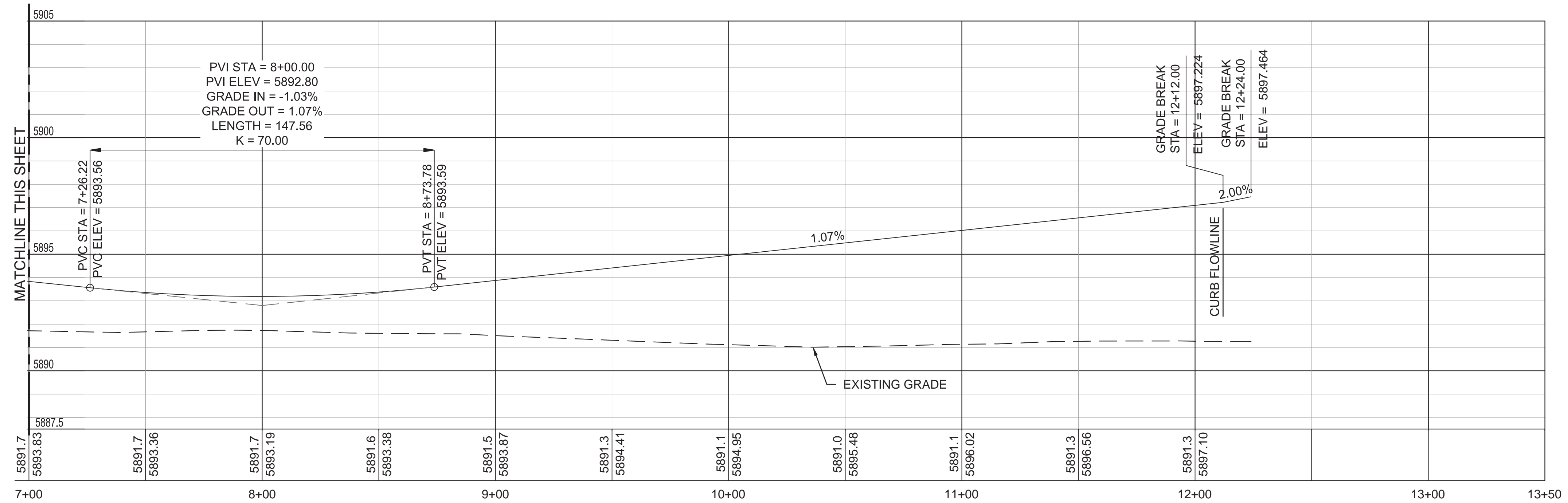
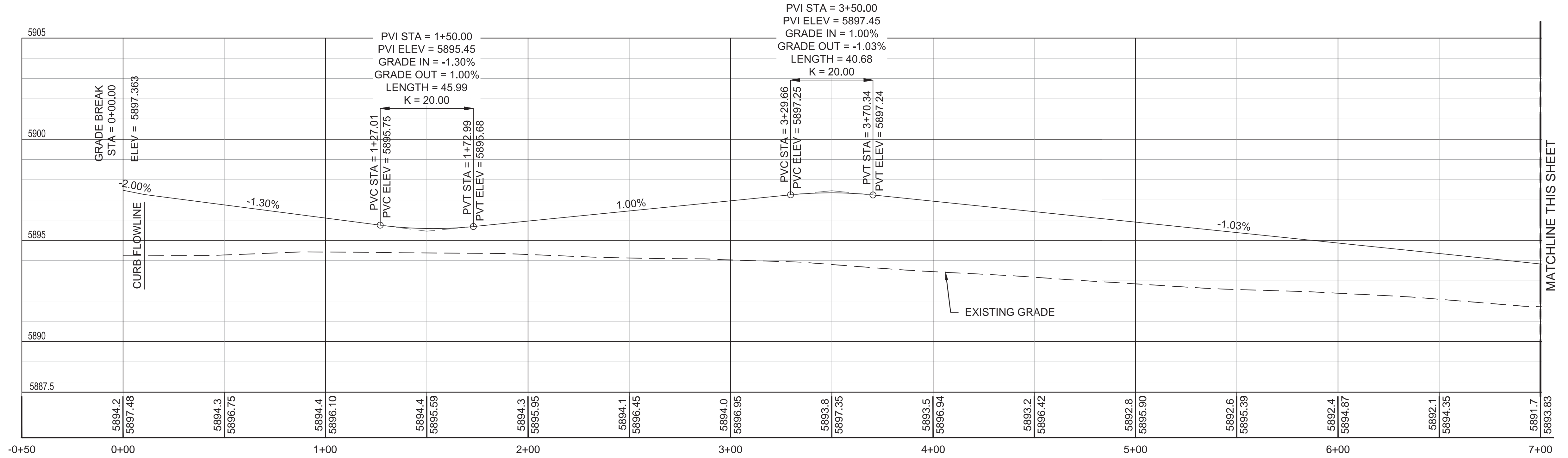
Drawing Number
CP208
Dwg. 173 of 655

BID DOCUMENTS

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

MAINTENANCE ROAD EAST



BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

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BRYAN J. BODNER
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PROFILE
MAINTENANCE ROAD EAST

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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

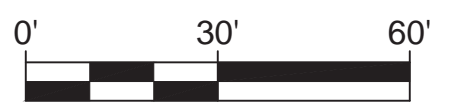
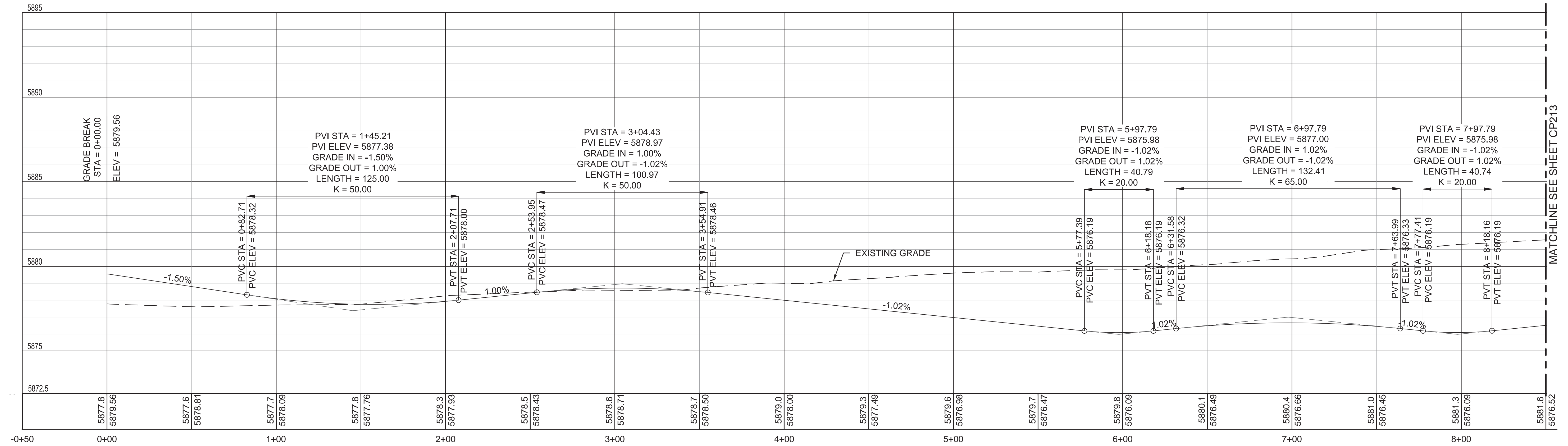
Building Number

Drawing Number
CP211

Dwg. 176 of 655

Office of Construction and Facilities Management
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MAIN LOOP



BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

The LA GROUP
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COLORADO REGISTERED PROFESSIONAL ENGINEER
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PROFILE
MAIN LOOP
SHEET 1 OF 4

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

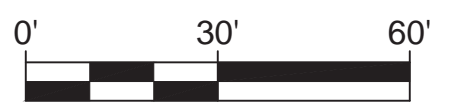
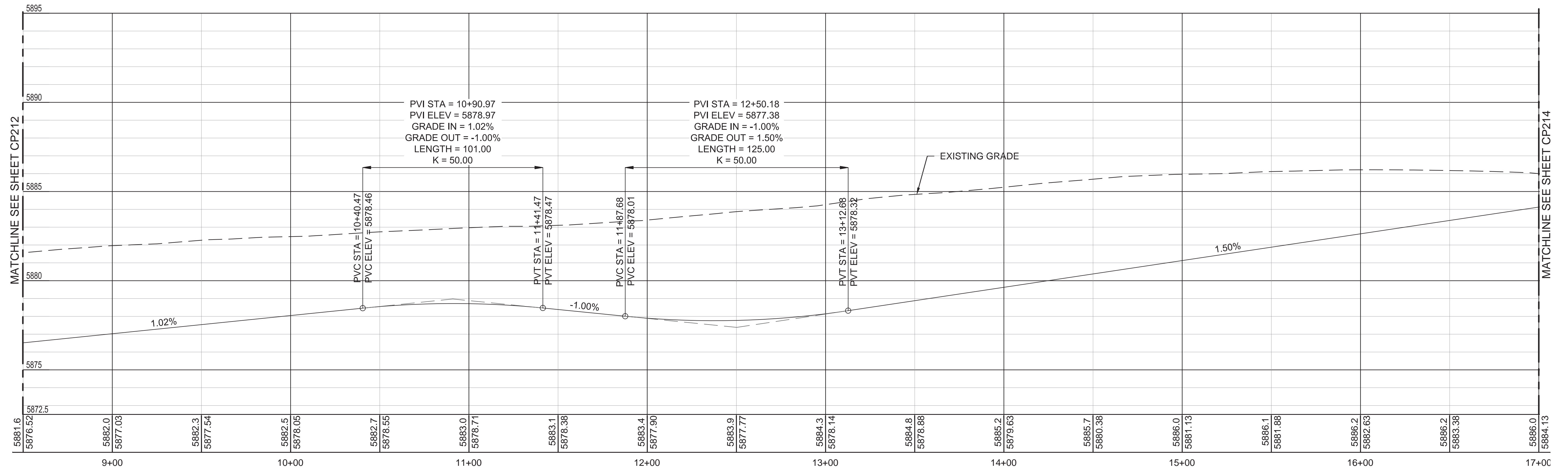
Project Number
933PC2002

Building Number

Drawing Number
CP212
Dwg. 177 of 655

Office of Construction and Facilities Management
Department of Veterans Affairs

MAIN LOOP



BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:

Drawing Title
ROADWAY GEOMETRY PROFILE
MAIN LOOP
SHEET 2 OF 4

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

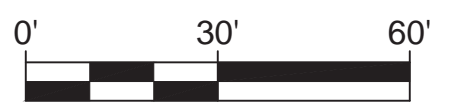
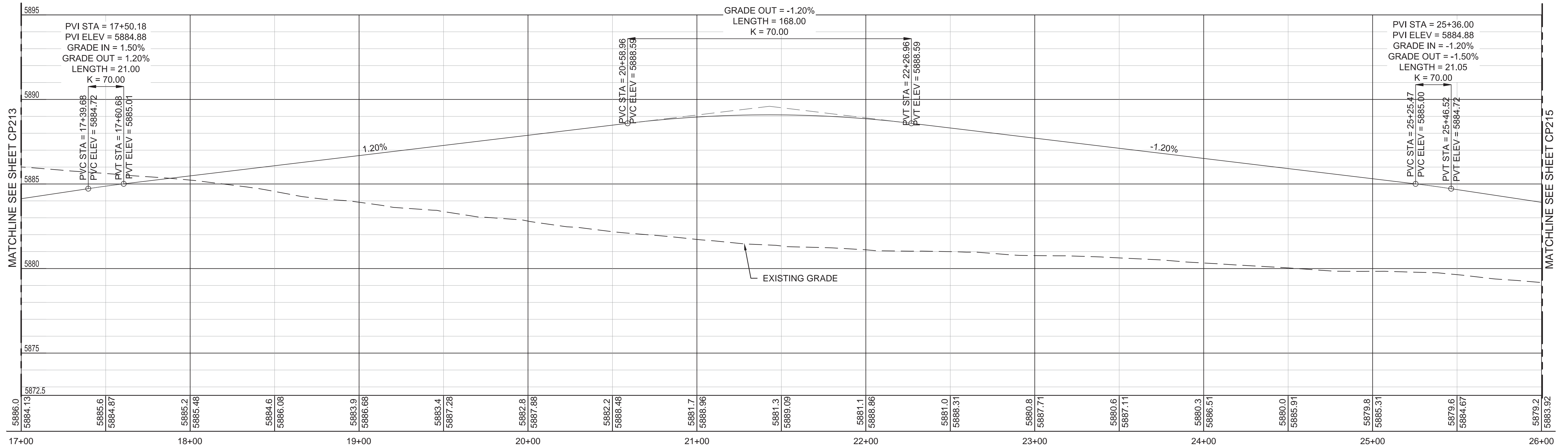
Building Number

Drawing Number
CP213
Dwg. 178 of 655

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

MAIN LOOP



Revisions:	Date

CONSULTANTS:

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Landscape Architecture & Engineering P.C.
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BRYAN J. BODNER
22 MARCH 2017

Drawing Title
ROADWAY GEOMETRY PROFILE
MAIN LOOP
SHEET 3 OF 4

Approved: Project Director
NAME: BRYAN J. BODNER
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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Project Number
933PC2002

Building Number

Drawing Number
CP214

Dwg. 179 of 655

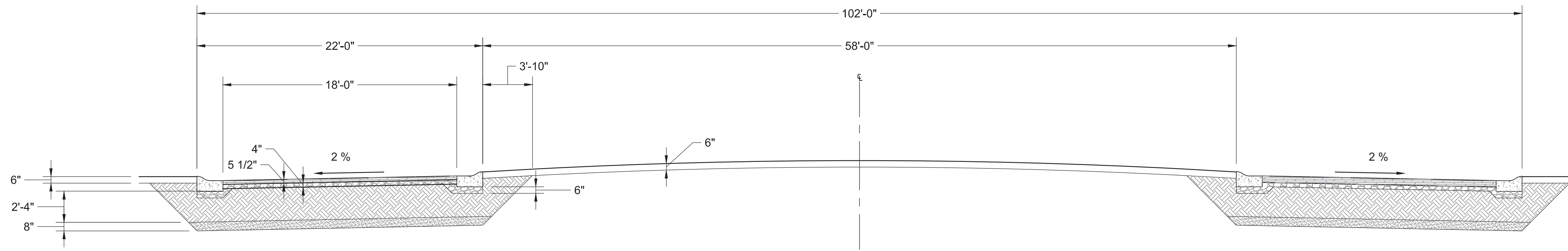
BID DOCUMENTS

Office of Construction and Facilities Management

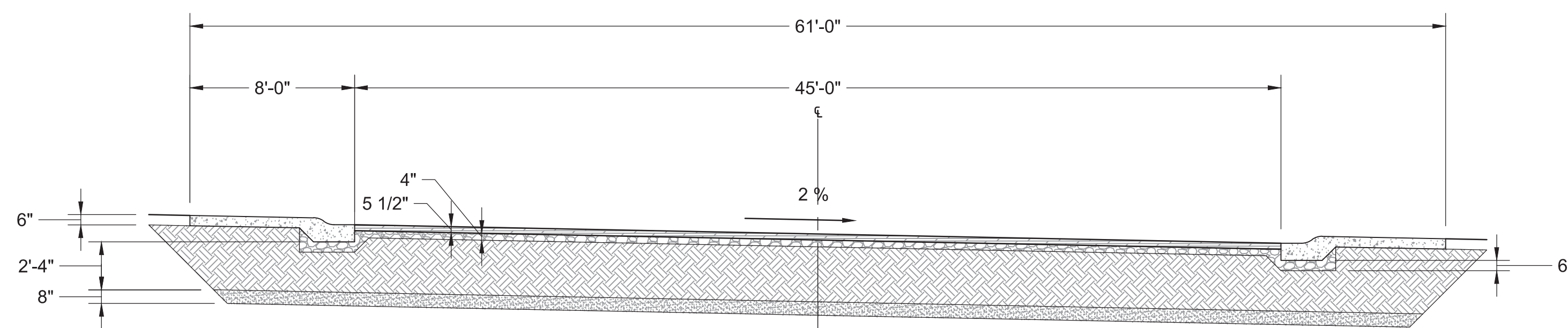
Department of Veterans Affairs

NOTES:

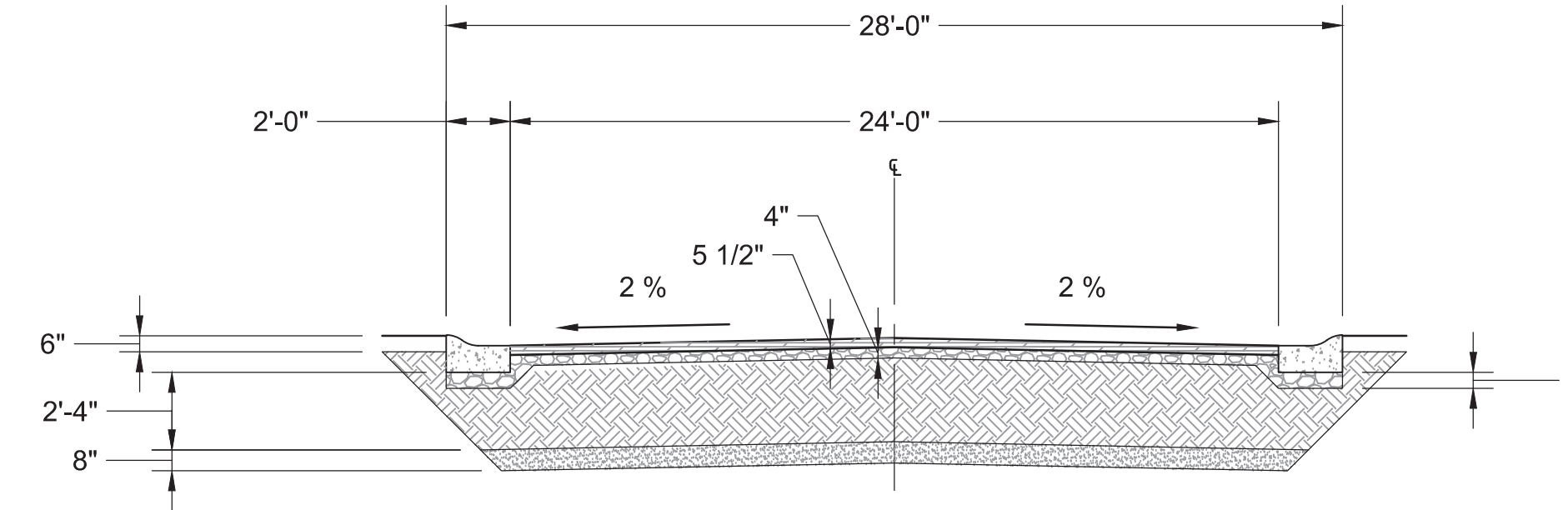
1. SEE SHEET CP501 & CP502 FOR DETAILS.
2. SEE SHEET CP503 FOR PAVEMENT SECTIONS.



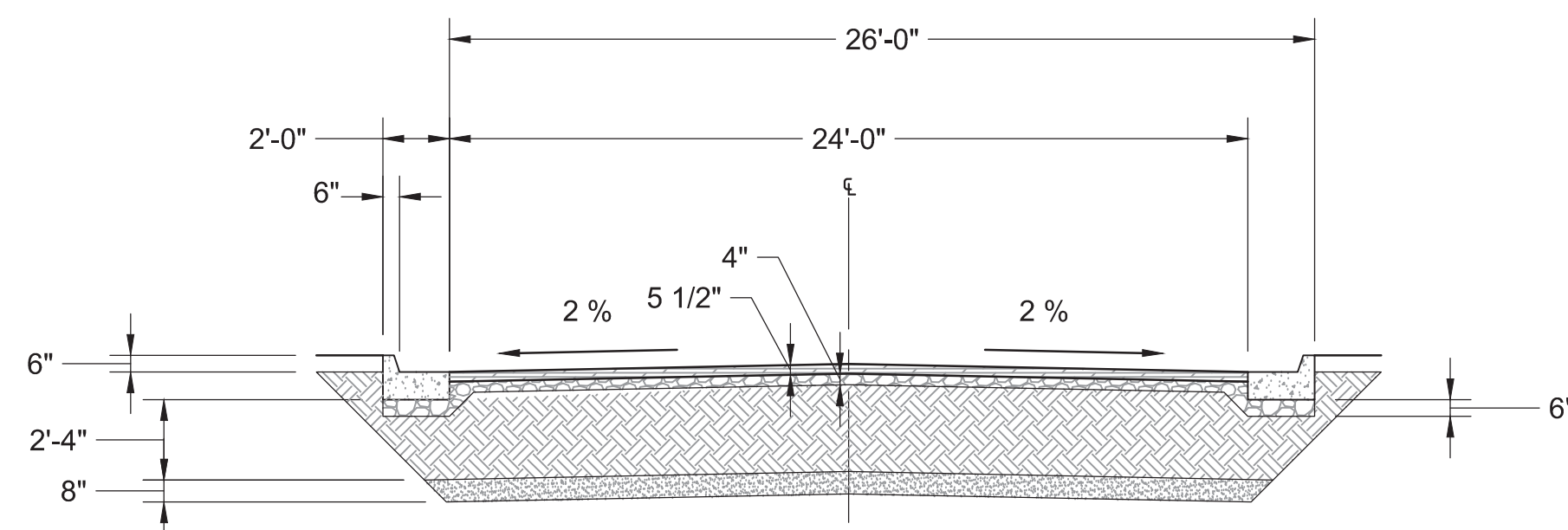
1 ENTRY BOULEVARD SECTION
CP301 SCALE: 1" = 5'-0"



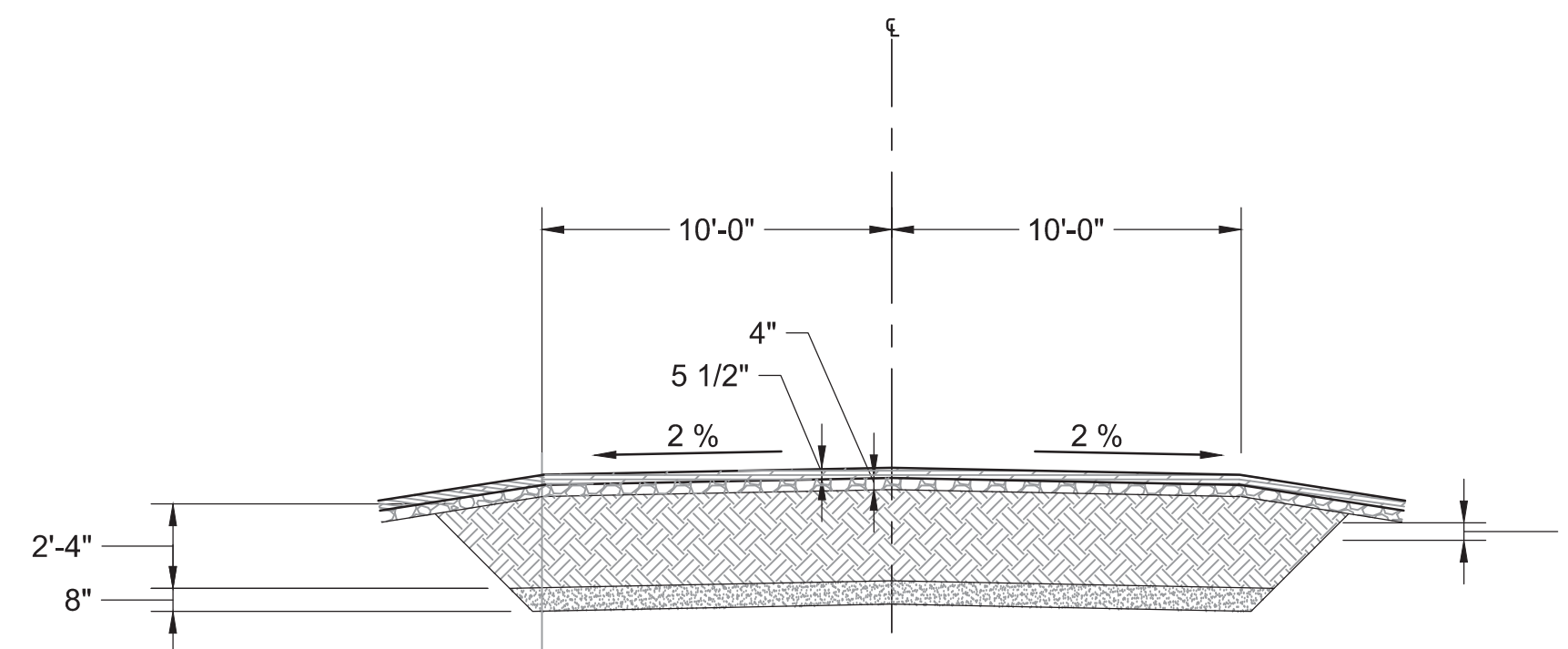
2 CORTEGE SECTION WITH PARKING
CP301 SCALE: 1" = 5'-0"



3 MAIN LOOP SECTION
CP301 SCALE: 1" = 5'-0"



4 MAINTENANCE ACCESS
CP301 SCALE: 1" = 5'-0"



5 HONOR GUARD & MAINTENANCE LOOP ROAD SECTION
CP301 SCALE: 1" = 5'-0"

NOTE: LANE WIDTH VARIES.

LEGEND

- HOT MIX ASPHALT
- CONCRETE
- AGGREGATE BASE COURSE
- CUT/FILL NATIVE SOIL
- SCARIFY AND COMPACT
- PLANTS/SOD
- TOPSOIL
- UNDISTURBED NATIVE SOIL

BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

The LA GROUP
Landscape Architecture & Engineering P.C.
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PROFESSIONAL ENGINEER
 22 MARCH 2017

Drawing Title
TYPICAL ROADWAY CROSS SECTIONS

Approved: Project Director
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 PHONE: (202) 632-5722
 FAX:

Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
KS

Project Number
933PC2002

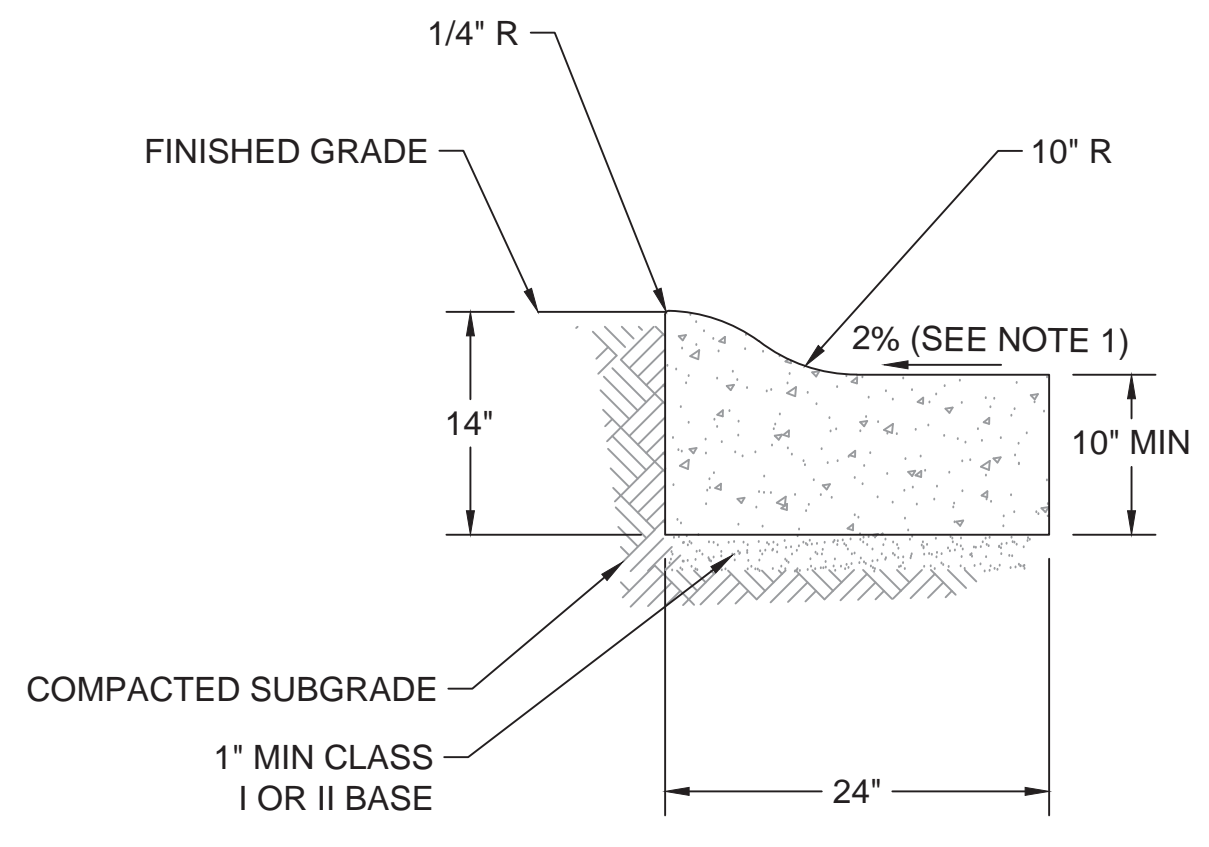
Building Number
N/A

Drawing Number
CP301

Dwg. 183 of 655

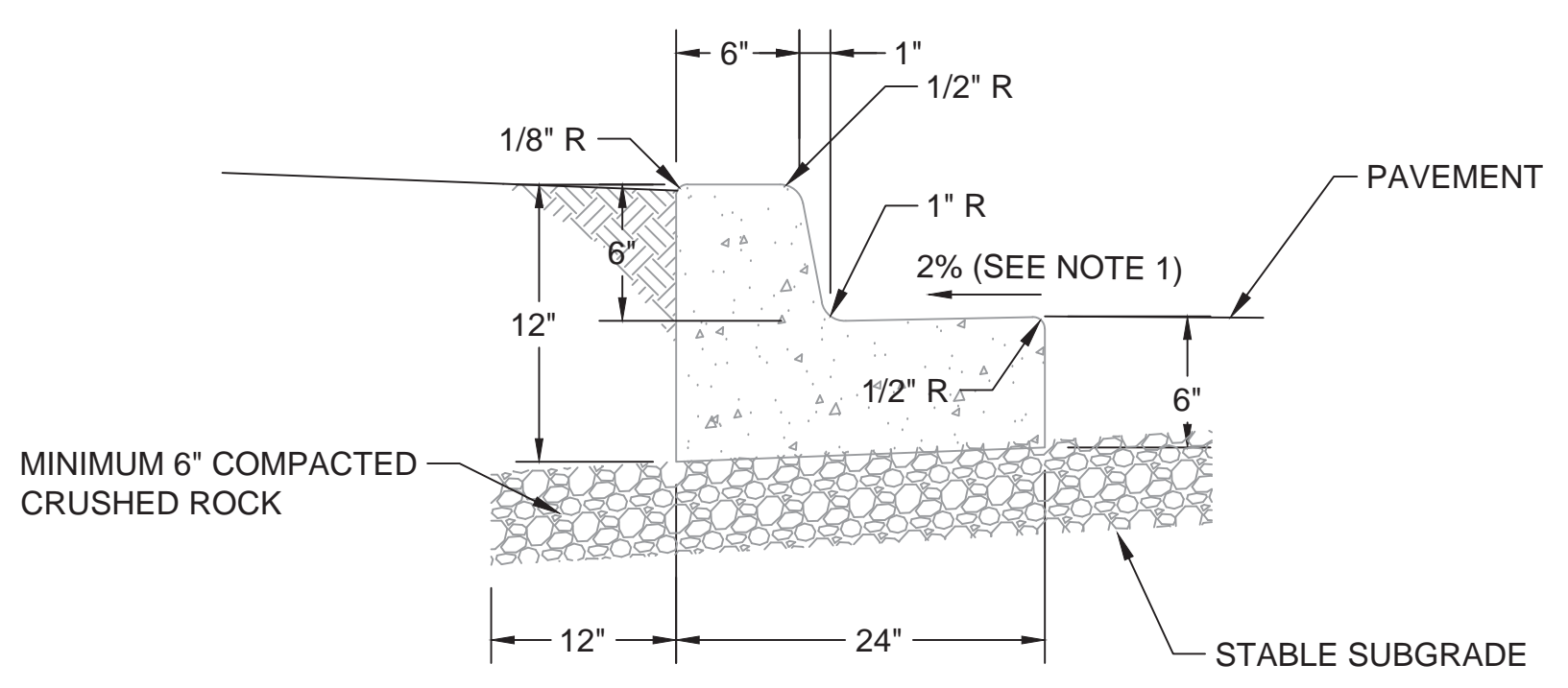
**Office of
Construction
and Facilities
Management**

Department of
Veterans Affairs



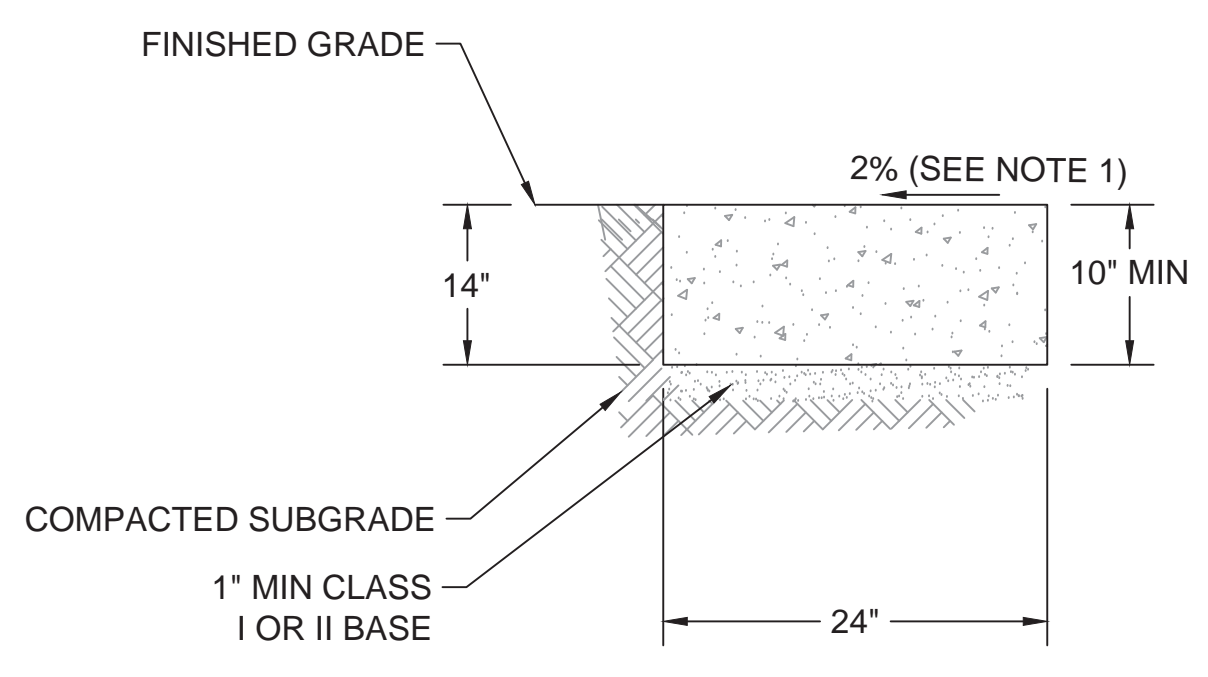
- NOTES:
- CROSS SLOPE OF GUTTER SAME AS PAVEMENT. PROVIDE MIN. 4000 PSI 28 DAY CONCRETE STRENGTH.
 - STANDARD MOUNTABLE CURB SHAPE OF THE STATE IN WHICH THE PROJECT IS LOCATED MAY BE SUBSTITUTED.
 - THE GUTTER MAY BE CONSTRUCTED PARALLEL TO SUBSURFACE OR WITH SLOPE REVERSED; PROVIDED THE MINIMUM THICKNESS IS MAINTAINED.

1 MOUNTABLE CURB AND GUTTER
CP501 SCALE: NTS



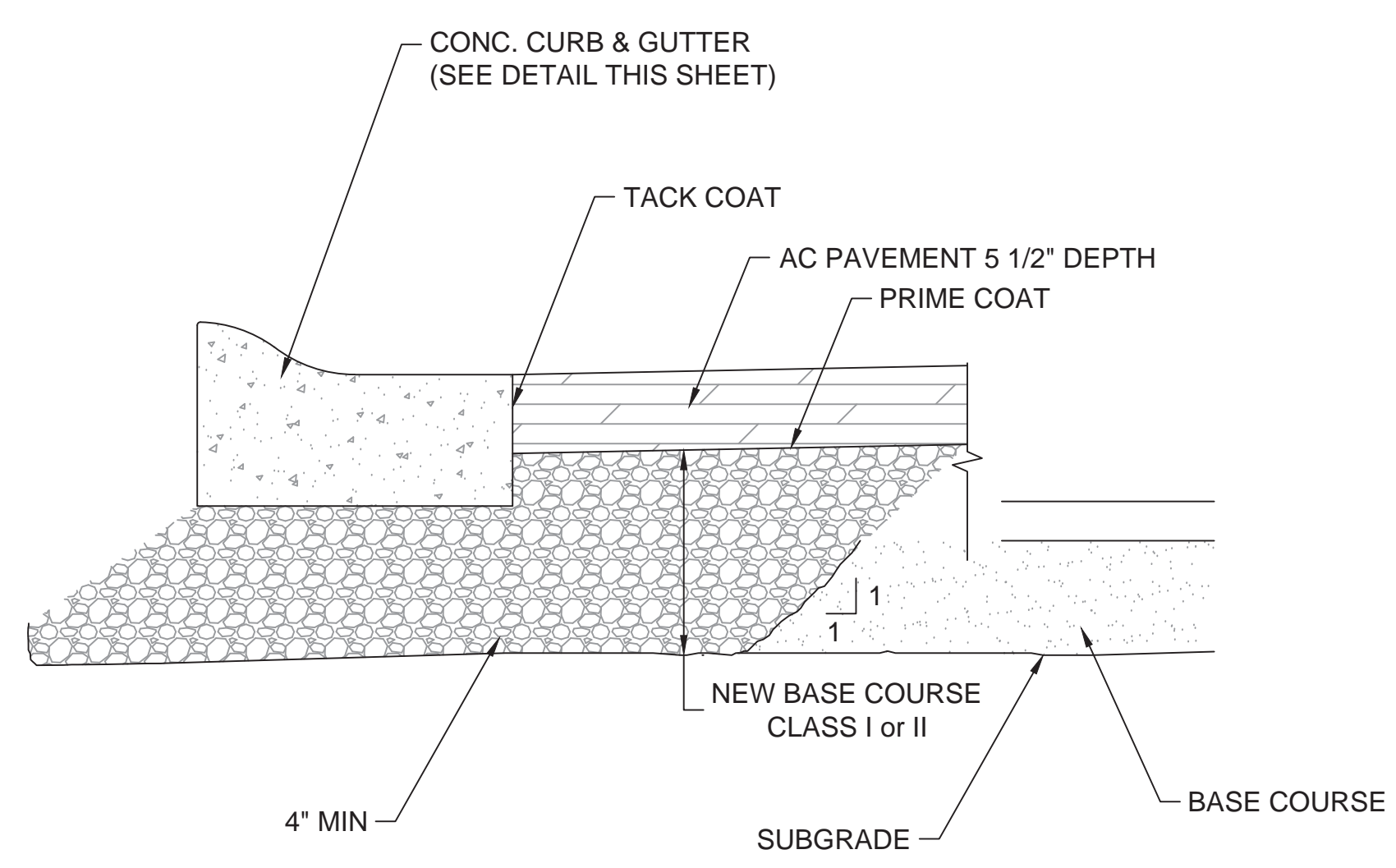
- NOTES:
- CROSS SLOPE OF GUTTER SAME AS PAVEMENT.
 - CONCRETE SHALL BE 4000 PSI AT 28 DAYS.
 - CONTRACTION JOINTS ARE REQUIRED AT 15-FT INTERVALS AND AT INLET STRUCTURES AND WHEELCHAIR RAMPS. DEPTH OF JOINTS SHALL BE AT LEAST 1-1/2".
 - CONSTRUCT EXPANSION JOINTS (MIN. 1/2" THICK PREMOLDED BITUMINOUS MATERIAL) AT MAXIMUM 200 FEET SPACING AND AT SIDES OF DRIVEWAY APPROACHES AND POINTS OF TANGENCY.
 - CURBS TO CURE A MINIMUM OF 7 DAYS PRIOR TO PLACING FINAL BASEROCK AND PAVING.

2 VERTICAL CURB AND GUTTER
CP501 SCALE: NTS

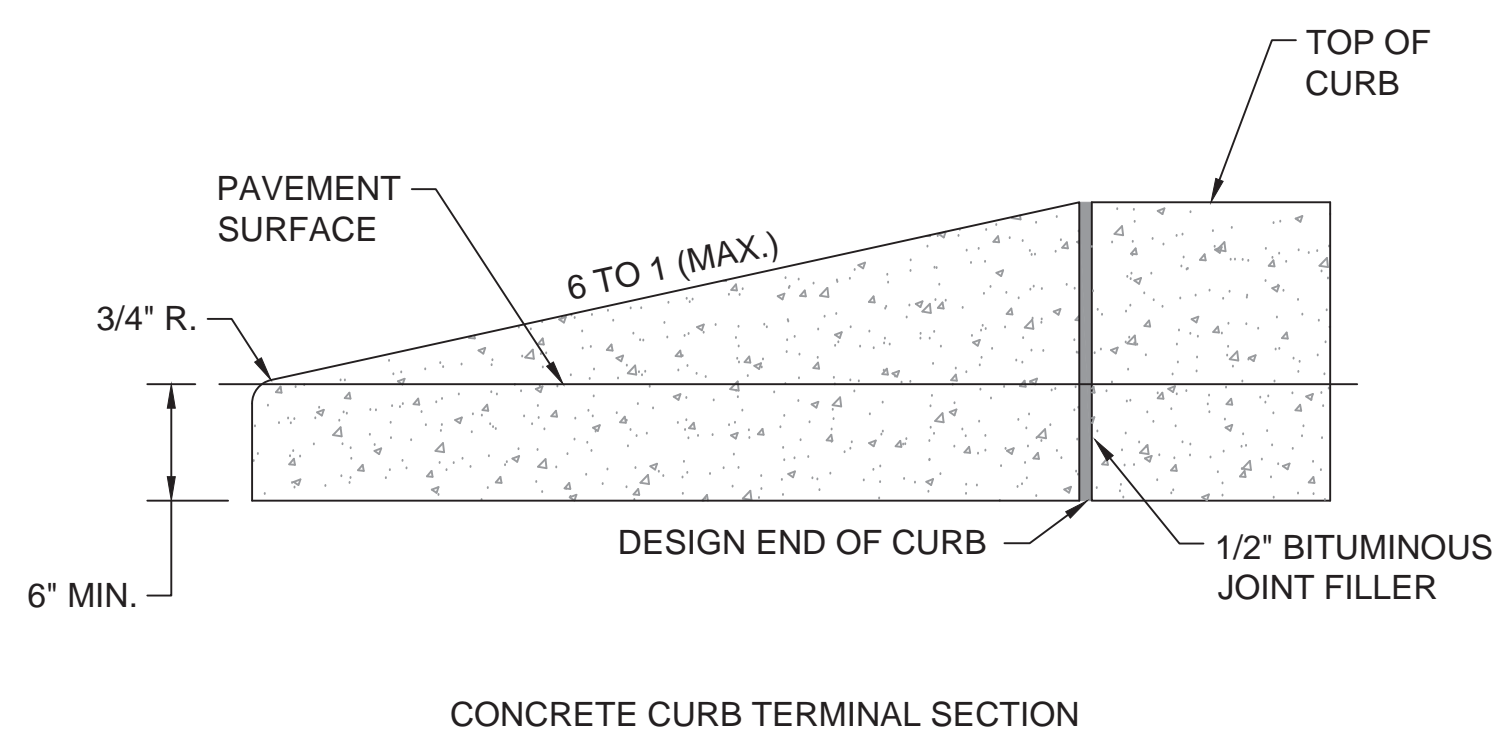


- NOTES:
- CROSS SLOPE OF GUTTER SAME AS PAVEMENT.
 - CONCRETE SHALL BE 4000 PSI AT 28 DAYS.
 - CONTRACTION JOINTS ARE REQUIRED AT 15-FT INTERVALS AND AT INLET STRUCTURES AND WHEELCHAIR RAMPS. DEPTH OF JOINTS SHALL BE AT LEAST 1-1/2".
 - CONSTRUCT EXPANSION JOINTS (MIN. 1/2" THICK PREMOLDED BITUMINOUS MATERIAL) AT MAXIMUM 200 FEET SPACING AND AT SIDES OF DRIVEWAY APPROACHES AND POINTS OF TANGENCY.
 - CURBS TO CURE A MINIMUM OF 7 DAYS PRIOR TO PLACING FINAL BASEROCK AND PAVING.

3 FLUSH CURB
CP501 SCALE: NTS

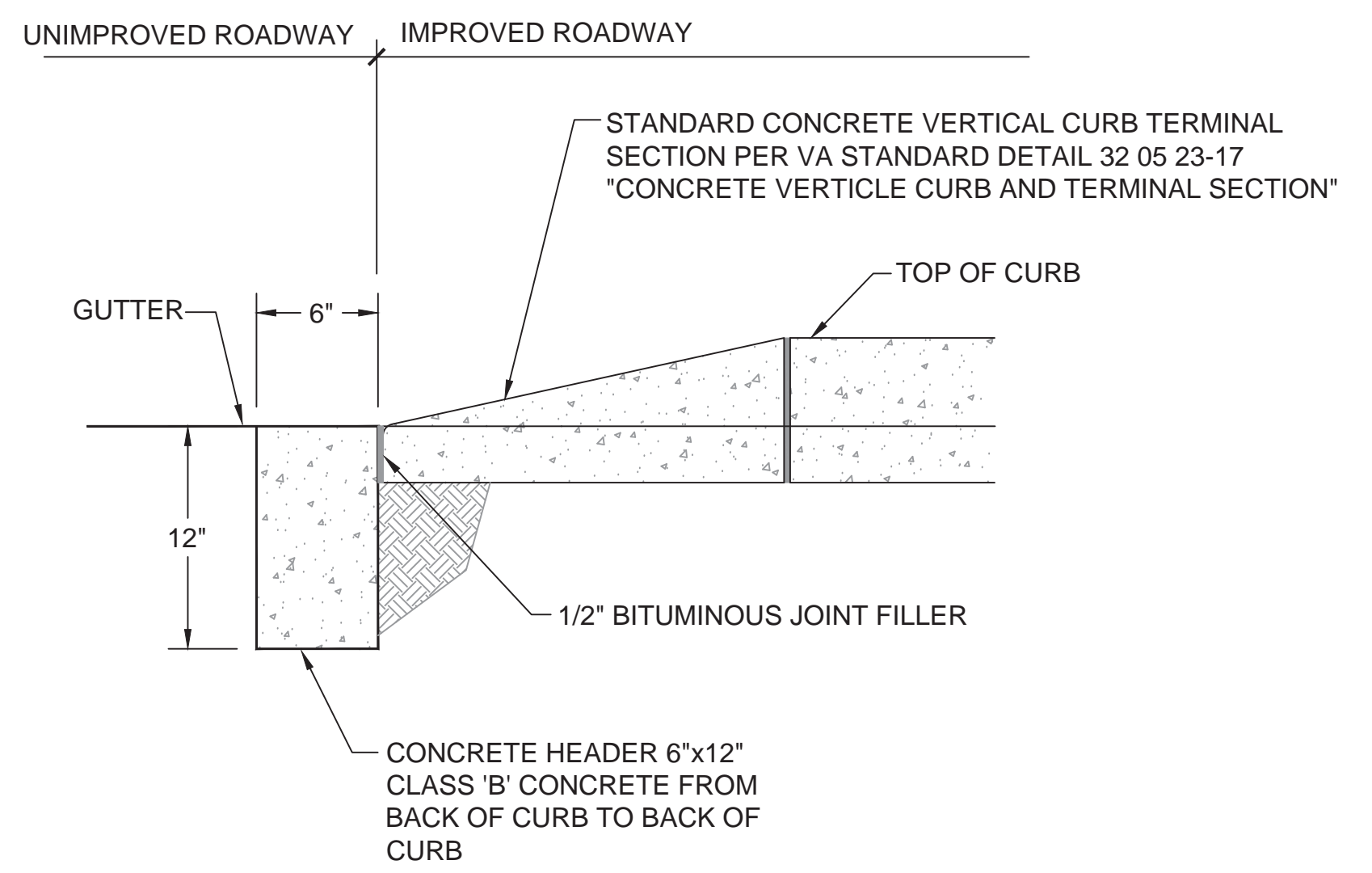


4 AC PAVEMENT AT PCC CURB & GUTTER
CP501 SCALE: N.T.S.



- NOTES:
- ALL CONCRETE CURBS AND TRANSITIONS, SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
 - MAXIMUM SPACING ON SCORED JOINTS SHALL BE 15'.
 - 1/2" THICK EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, TRANSITIONS, AND AT A MAXIMUM OF 60' INTERVALS. EXPANSION MATERIAL SHALL ALSO BE PLACED BETWEEN CURBS AND ADJACENT STRUCTURES, SIDEWALKS, DRIVEWAYS AND CURB ACCESS RAMPS. THE 1/2" JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
 - CONCRETE SHALL BE FINISHED WITH A STEEL TROWEL FOLLOWED BY BRUSHING WITH A FINE BRUSH ALONG THE LENGTH OF THE CURB OR CURB AND GUTTER.
 - SINGLE CURB MAY BE CONSTRUCTED BY THE USE OF FORMS OR MAY BE SLIP FORMED.
 - ALL EXPOSED EDGES AND HAND TOOLED JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4" RADIUS UNLESS A LARGER RADIUS IS INDICATED BY THE APPLICABLE STANDARD DETAIL OR PROJECT PLANS.
 - FOR REVEALS OF 6" TO LESS THAN 8".
 - FOR REVEALS OF 8" TO 10".

5 CONCRETE CURB AND TERMINAL SECTION
CP501 SCALE: N.T.S.



6 CONCRETE HEADER
CP501 SCALE: N.T.S.

Revisions:	Date

CONSULTANTS:

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Landscape Architecture & Engineering P.C.
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COLORADO REGISTERED PROFESSIONAL ENGINEER
BRYAN J. BODNER
22 MARCH 2017

Drawing Title
PAVEMENT DETAILS

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Project Title
PIKES PEAK NATIONAL CEMETERY

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
WBR

Project Number
933PC2002

Building Number

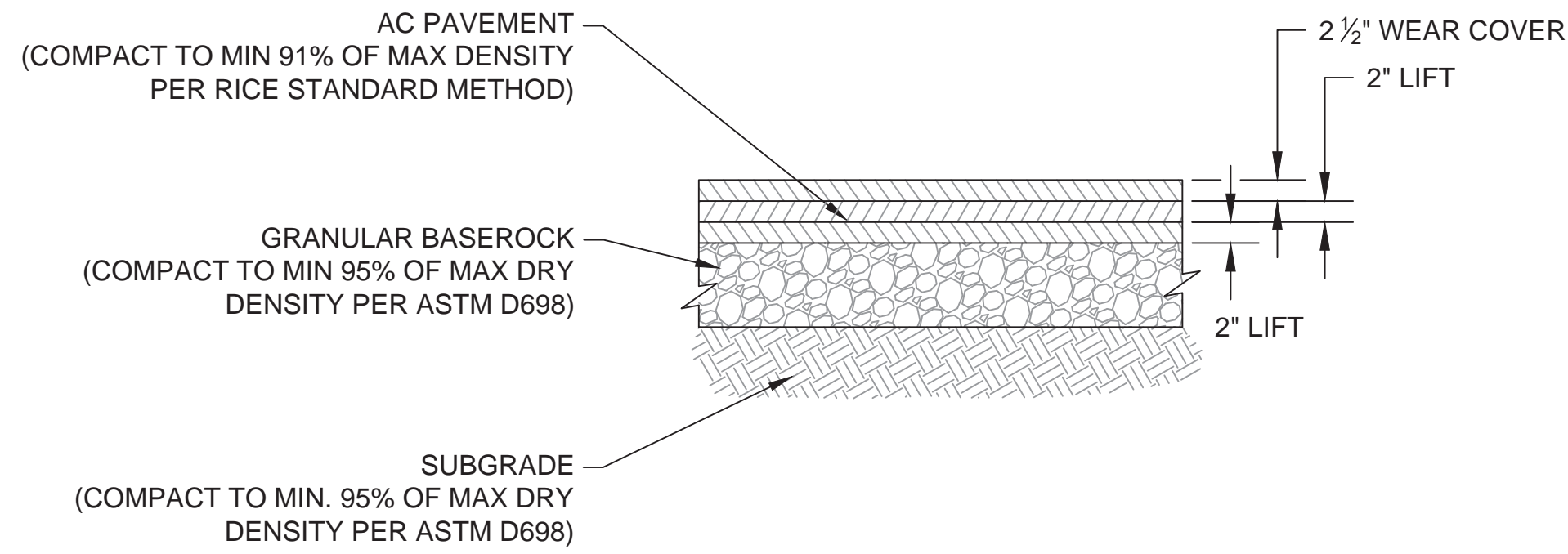
Drawing Number
CP501

Dwg. 184 of 655

BID DOCUMENTS

Office of Construction and Facilities Management

Department of Veterans Affairs

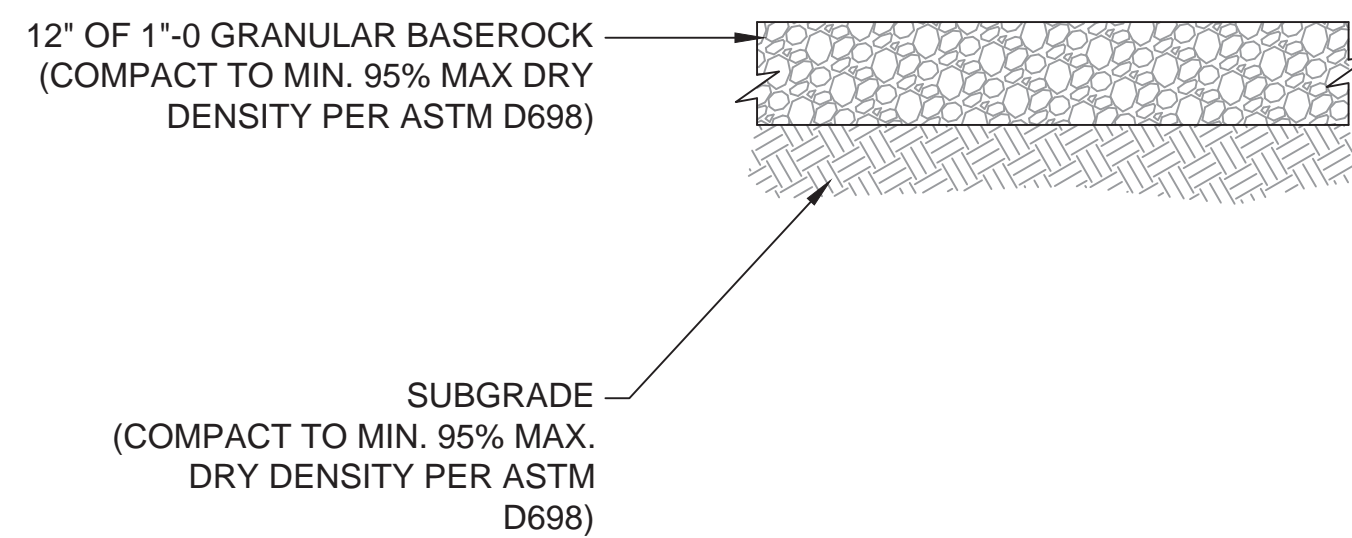


PAVEMENT & BASEROAK SECTIONS:

HEAVY DUTY PAVEMENT
 5 1/2" AC PAVEMENT
 6" OF AGGREGATE BASE COURSE
 28" OVER EXCAVATED AND COMPACTED NATIVE MATERIAL
 8" SCARIFY AND COMPACT NATIVE MATERIAL

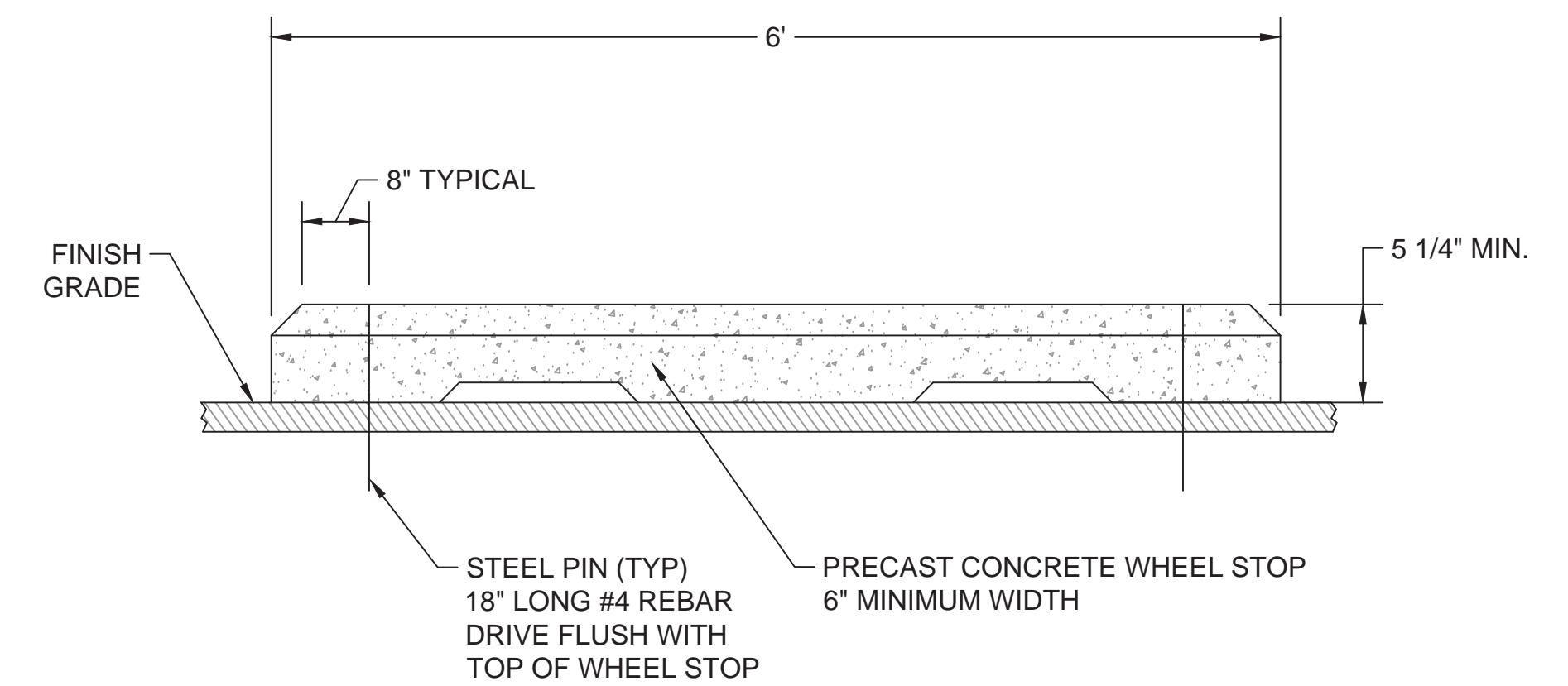
NOTES:

- DESIGN SUBGRADES SHALL BE COMPACTED AND PROOF-ROLLED PRIOR TO PLACEMENT OF BASEROCK. IF SUBGRADE PASSES PROOF-ROLL BUT FAILS DENSITY TESTING, INSTALL MIN. 4.5 OZ NON-WOVEN GEOTEXTILE FABRIC ON SUBGRADE PRIOR TO PLACEMENT OF BASEROCK. FAILURE OF PROOF-ROLL WILL REQUIRE OVER EXCAVATION OR REPAIR AS DIRECTED BY PROJECT GEOTECHNICAL ENGINEER OR ER/COR.
- IF SUBGRADE FAILS THE PROOF-ROLL, SUBGRADE SHALL BE OVEREXCAVATED TO FIRM AND UNYIELDING SOIL AND BACKFILLED WITH COMPACTED BASEROCK OVER MIN. 8.0-OZ. NON-WOVEN FABRIC AS REQUIRED TO ALLOW COMPACTION OF UPPER (DESIGN) BASEROCK SECTION AND TO MAINTAIN STRUCTURAL INTEGRITY OF SUBGRADE SOILS. TYPICAL MINIMUM OVEREXCAVATION REQUIRED IS 12-INCHES. NO RUBBER TIERED EQUIPMENT ALLOWED ON SUBGRADE FOLLOWING OVEREXCAVATION.
- PASSING PROOF-ROLL ON BASEROCK IS ALSO REQUIRED IMMEDIATELY PRIOR TO PAVING.
- PROVIDE TACK COAT BETWEEN ASPHALT LIFTS.
- CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS IN GEOTECHNICAL REPORT.



NOTES:

- SEE PLANS FOR LOCATION OF GRAVEL SHOULDER(S).
- DESIGN SUBGRADES SHALL BE COMPACTED AND PROOF-ROLLED PRIOR TO PLACEMENT OF BASEROCK. IF SUBGRADE PASSES PROOF-ROLL BUT FAILS DENSITY TESTING, INSTALL MIN. 4.5 OZ NON-WOVEN GEOTEXTILE FABRIC ON SUBGRADE PRIOR TO PLACEMENT OF BASEROCK. FAILURE OF PROOF-ROLL WILL REQUIRE OVEREXCAVATION OR REPAIR AS DIRECTED BY PROJECT GEOTECHNICAL ENGINEER OR ER/COR.
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- CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS IN GEOTECHNICAL REPORT.



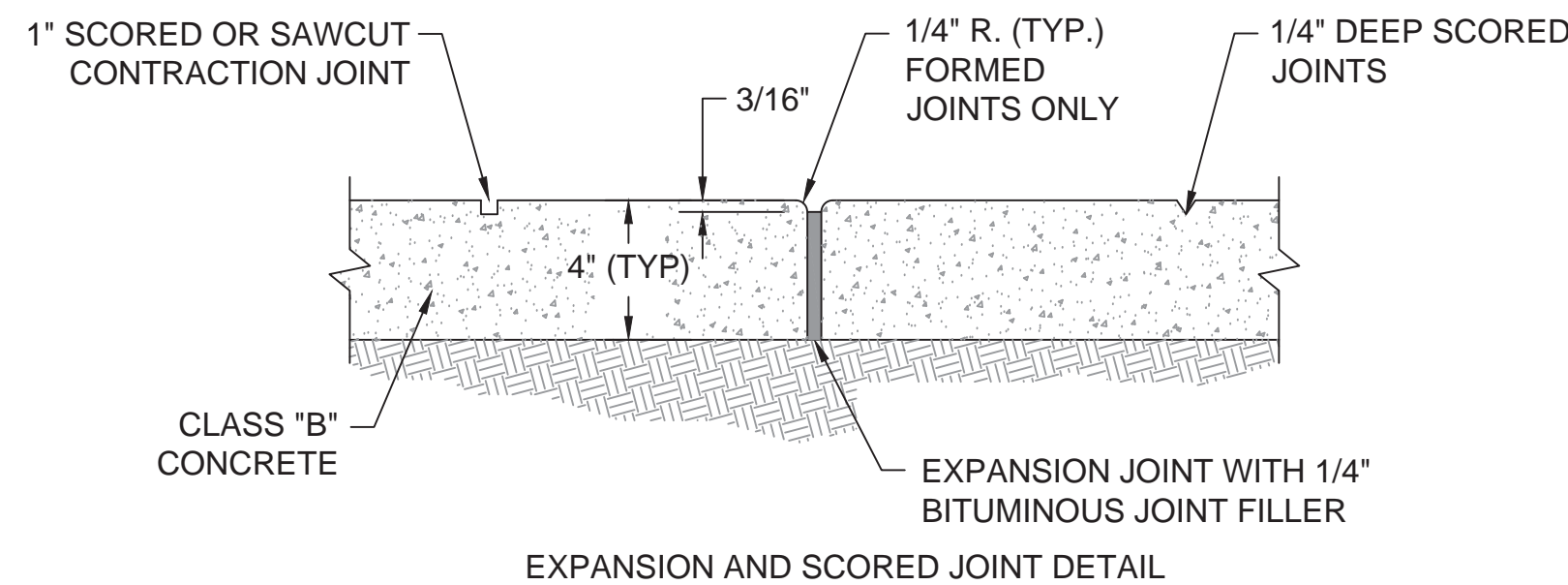
NOTES:

- CONCRETE SHALL BE MIN. 4000 PSI @ 28 DAYS.
- CONTRACTOR SHALL COORDINATE WITH ER/COR FOR PLACEMENT OF WHEEL STOPS.

1 AC PAVEMENT SECTION
 CP503 SCALE:NTS

2 GRAVEL SHOULDER
 CP503 SCALE:NTS

3 WHEEL STOP
 CP502 SCALE:NTS



4 CONCRETE CONSTRUCTION JOINT
 CP503 SCALE:NTS

5 CONCRETE SAWCUT JOINT
 CP503 SCALE:NTS

CONSULTANTS:

The LA GROUP
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 38865
 22 MARCH 2017

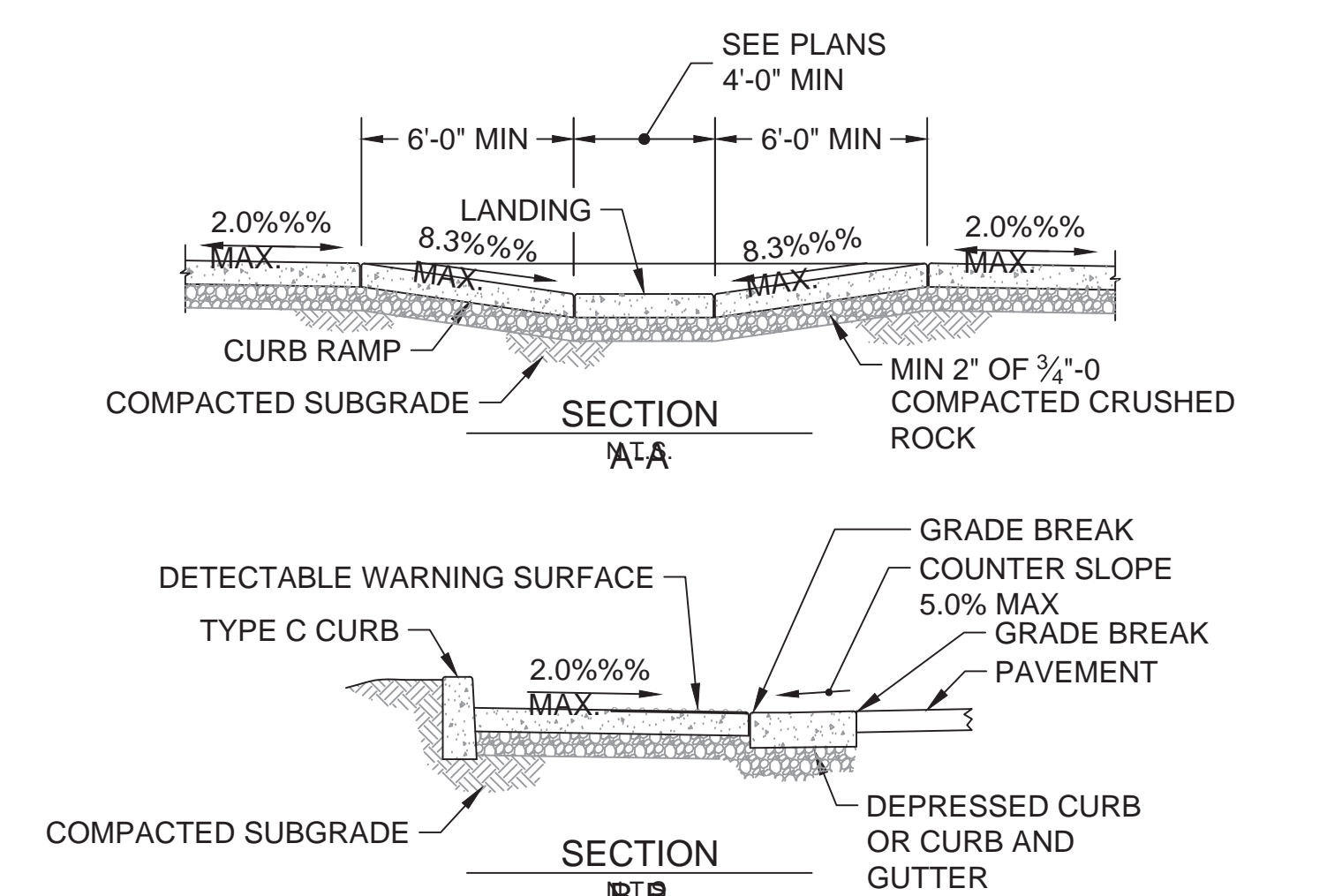
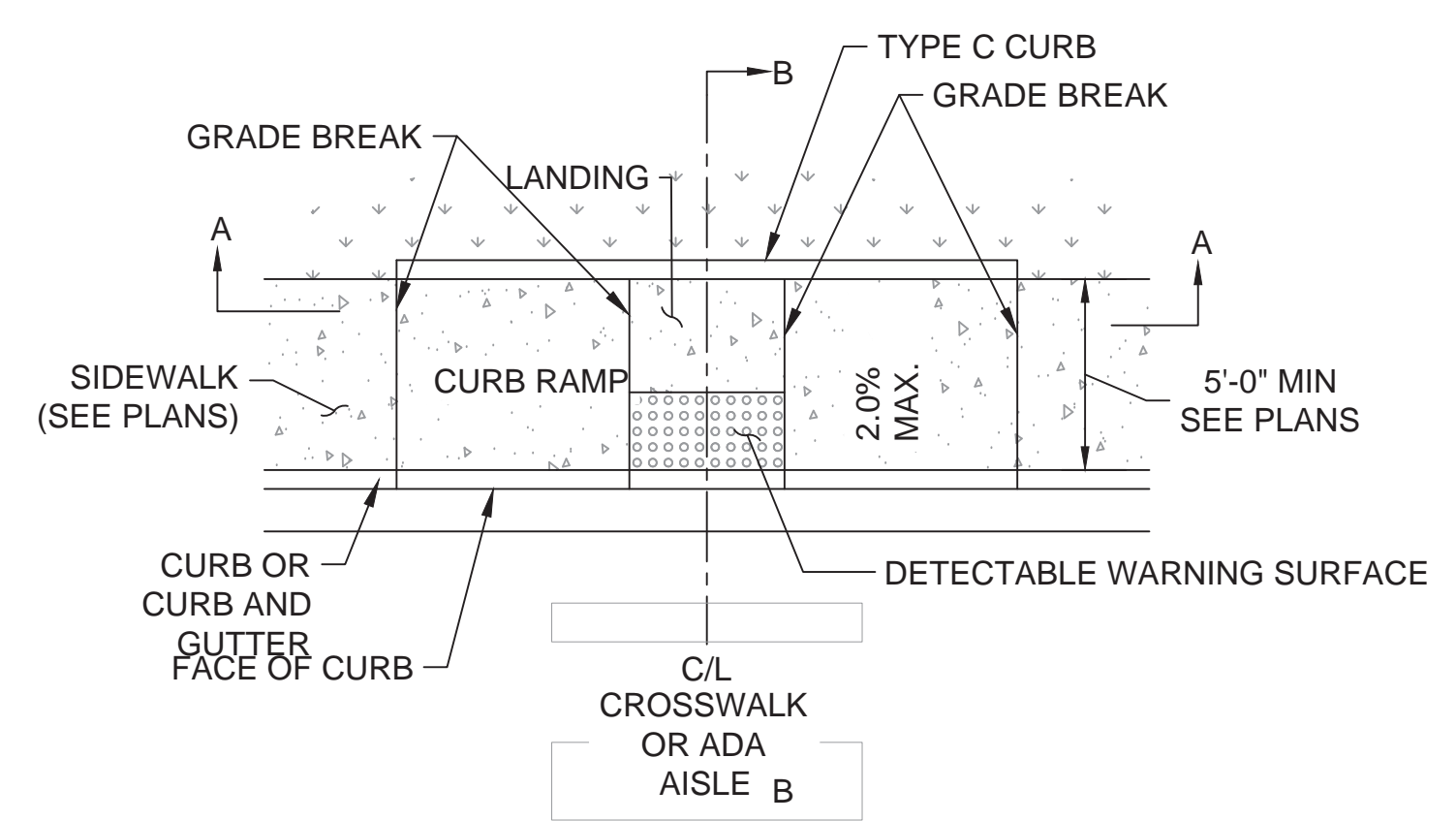
Drawing Title
 PAVEMENT DETAILS
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Project Title
 PIKES PEAK NATIONAL CEMETERY
 Location
 COLORADO SPRINGS, CO
 Date
 MARCH 2017
 Checked
 RID
 Drawn
 WBR

Project Number
 933PC2002
 Building Number
 Drawing Number
 CP503
 Dwg. 186of 655

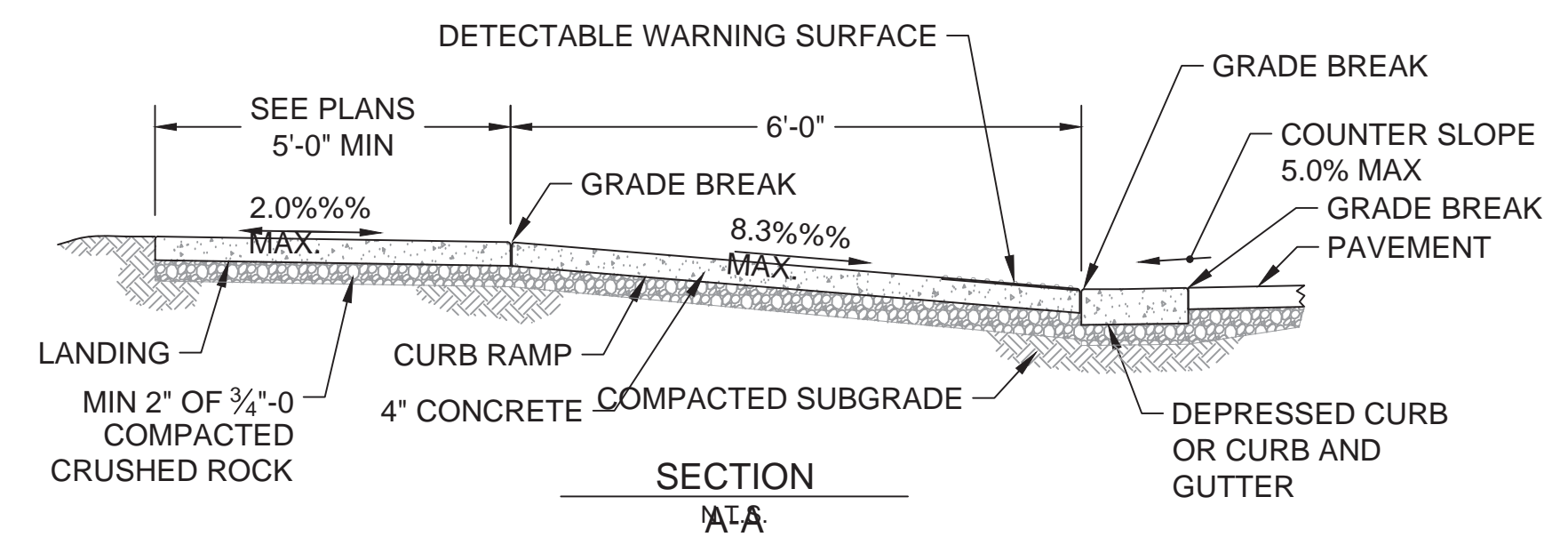
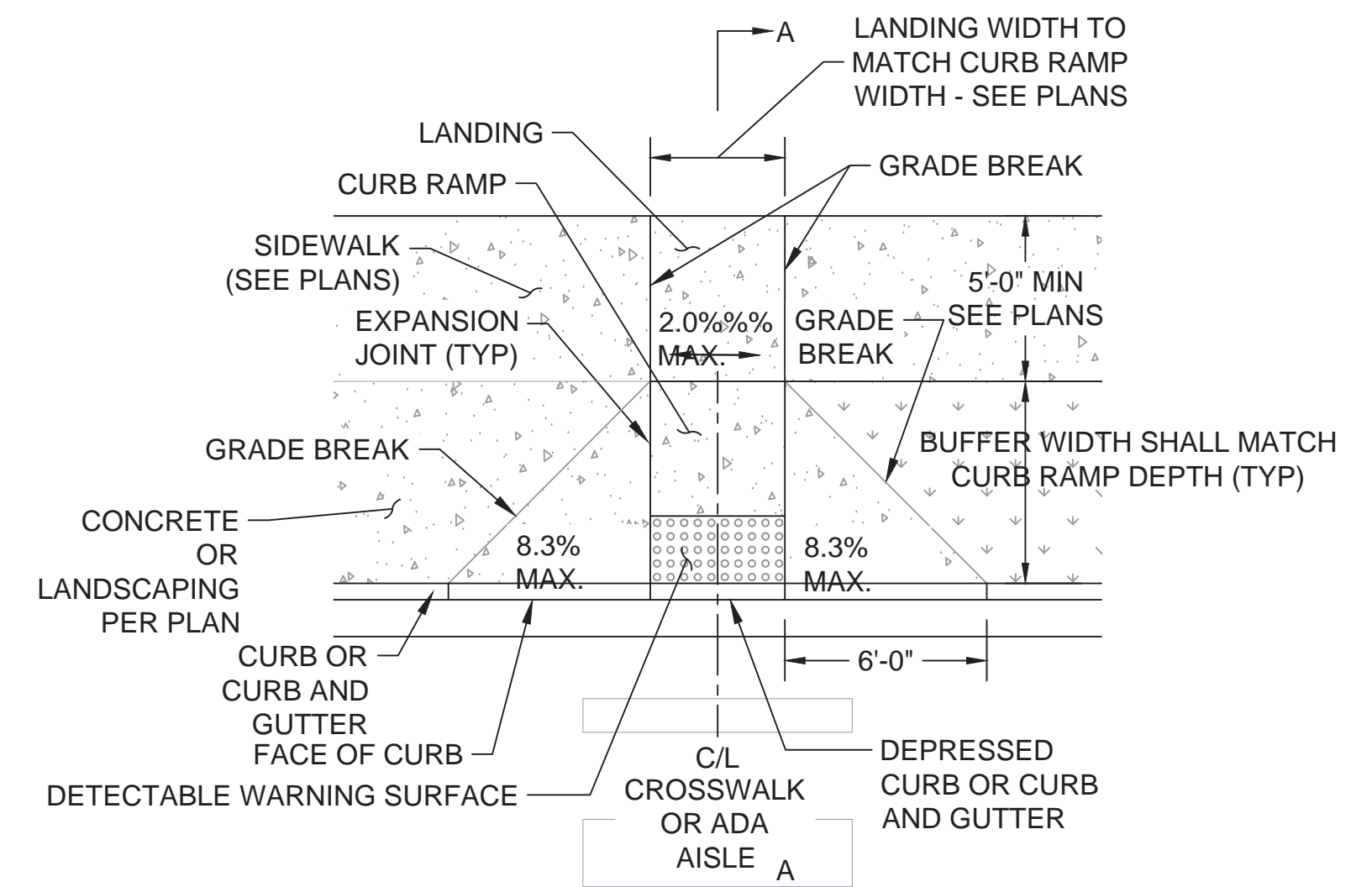
BID DOCUMENTS

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 Department of Veterans Affairs



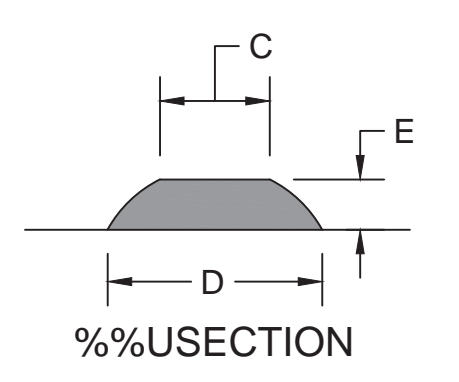
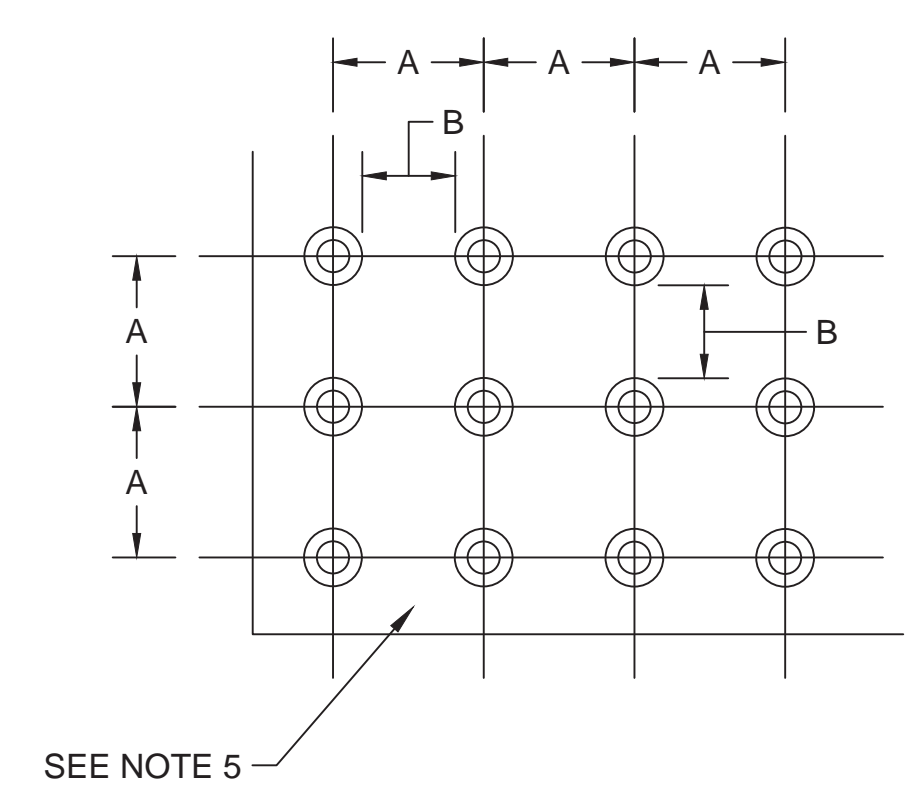
- NOTES:
1. CONCRETE SHALL BE 3300 PSI AT 28 DAYS.
 2. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANS SHALL BE FLUSH.
 3. DO NOT PLACE GRATES, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
 4. BROOM FINISH CURB RAMP, LANDING, AND FLARES.
 5. LANDINGS SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ANY DIRECTION.

8 CURB ACCESS RAMP PARALLEL
CU502 SCALE: N.T.S.

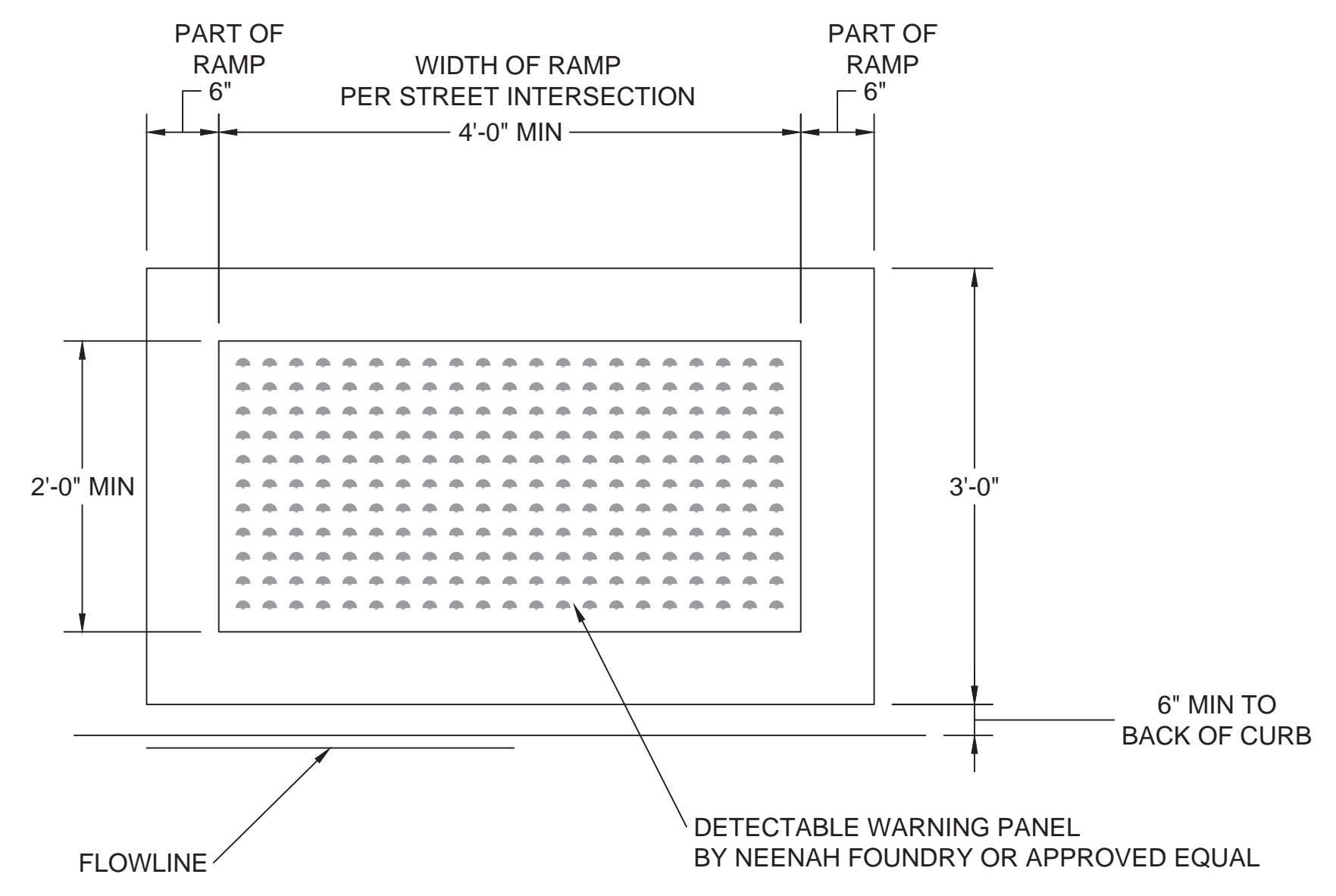


- NOTES:
1. CONCRETE SHALL BE 3300 PSI AT 28 DAYS.
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 4. BROOM FINISH CURB RAMP, LANDING, AND FLARES.
 5. LANDINGS SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ANY DIRECTION.

8 CURB ACCESS RAMP PERPENDICULAR
CU502 SCALE: N.T.S.



	MIN	MAX
A	1.60"	2.40"
B	0.60"	-
C	0.45"	0.90"
D	0.90"	1.40"
E	0.20"	0.20"



- DETECTABLE WARNING NOTES:
1. THE DETECTABLE WARNING STRIP MUST COVER THE ENTIRE WIDTH OF THE RAMP OPENING, EXCLUDING THE WINGS. ALL DOMES MUST BE ALIGNED IN THE DIRECTION OF TRAVEL. ONE CORNER OF THE LEADING EDGE OF THE DETECTABLE WARNING MAY BE MORE THAN 5 FEET FROM THE BACK OF THE CURB. WHEN LOCATED ALONG A CURB RETURN, THE LEADING EDGE OF THE DETECTABLE WARNING MAY BE DEFINED BY THE CHORD DRAWN BETWEEN THE LEADING EDGES OF THE RAMP OPENING.

- NOTES:
1. THE DETECTABLE WARNING SURFACE (DWS) SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP (EXCLUSIVE OF FLARES) OR THE LANDING.
 2. THE EDGE OF THE DWS, SHALL BE PLACED ALONG THE BACK OF THE CURB LINE.
 3. THE ROWS OF TRUNCATED DOMES IN A DWS SHALL BE PARALLEL WITH THE DIRECTION OF TRAVEL.
 4. IF A CURB IS NOT PRESENT PLACE THE DWS AT THE EDGE OF PAVEMENT.
 5. DWS SHALL CONTRAST VISUALLY WITH THE ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. CONTRACTOR SHALL PROVIDE 2-FOOT ARMOR-TILE TRUNCATED DOMES EMBEDDED INTO THE CONCRETE OR SIMILAR MATERIAL IN ACCORDANCE WITH OWNER AND LOCAL ADA REQUIREMENTS.

3 ADA WARNING PANEL
CP502 SCALE: NTS

BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

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COLORADO REGISTERED PROFESSIONAL ENGINEER
BRYAN J. BODNER
22 MARCH 2017

Drawing Title
PAVEMENT DETAILS

Approved: Project Director
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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

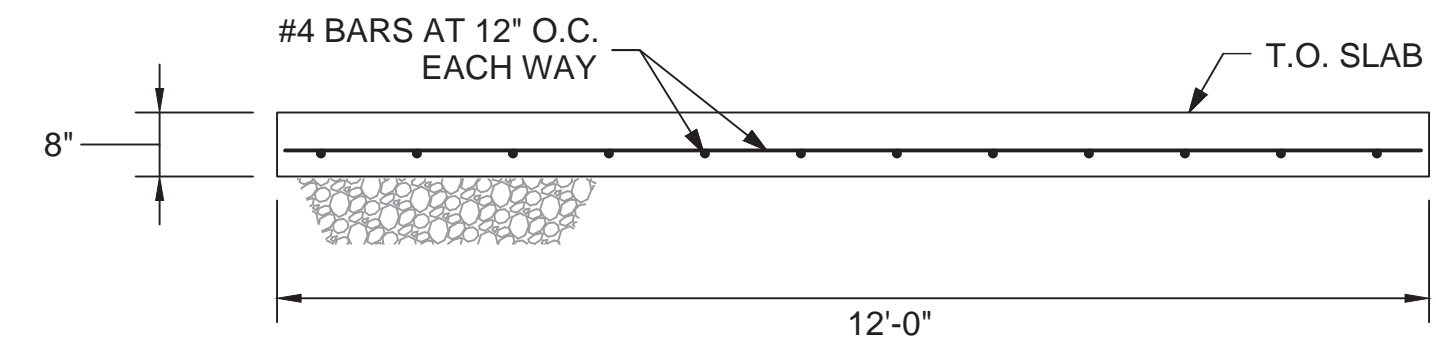
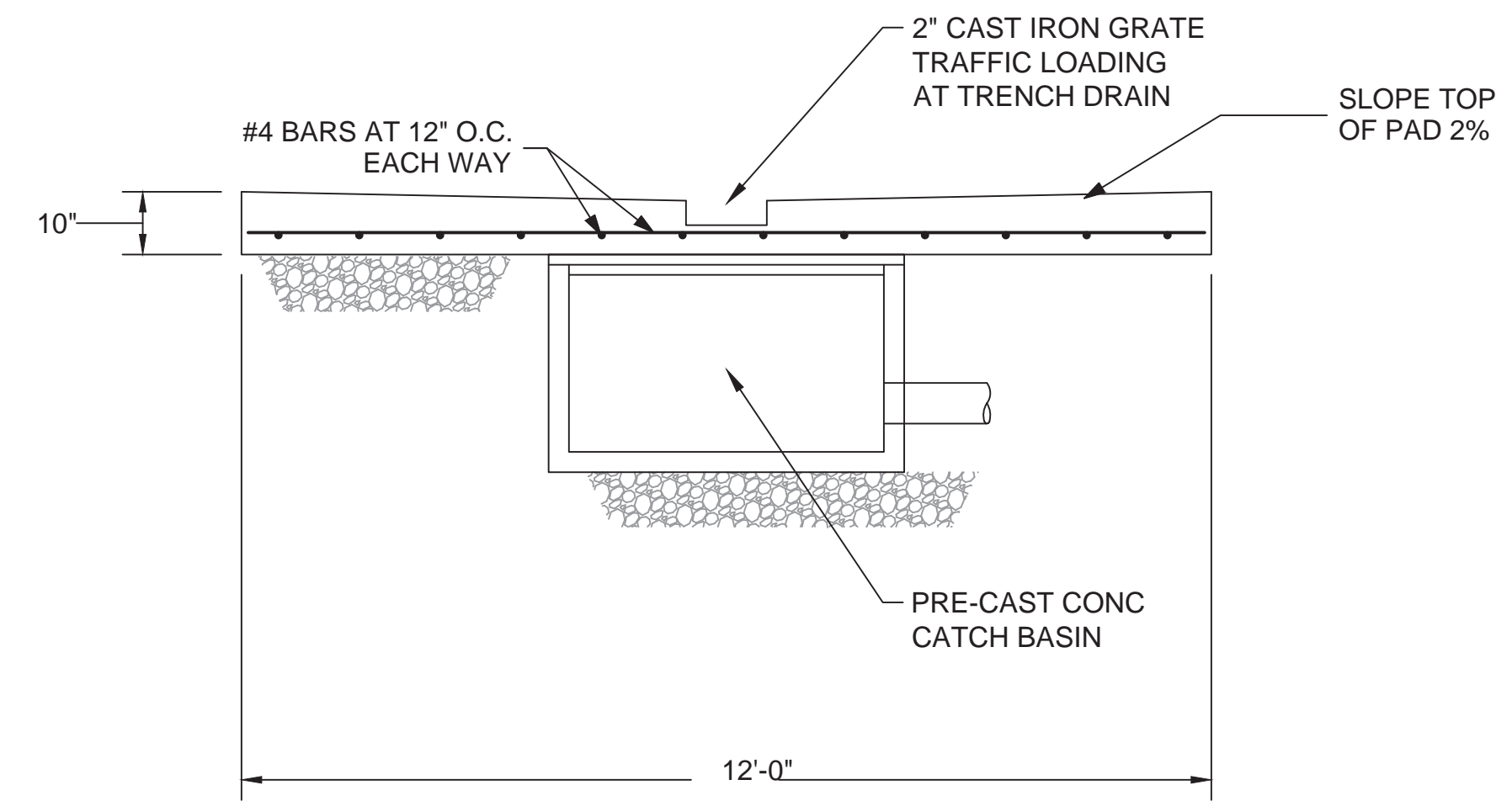
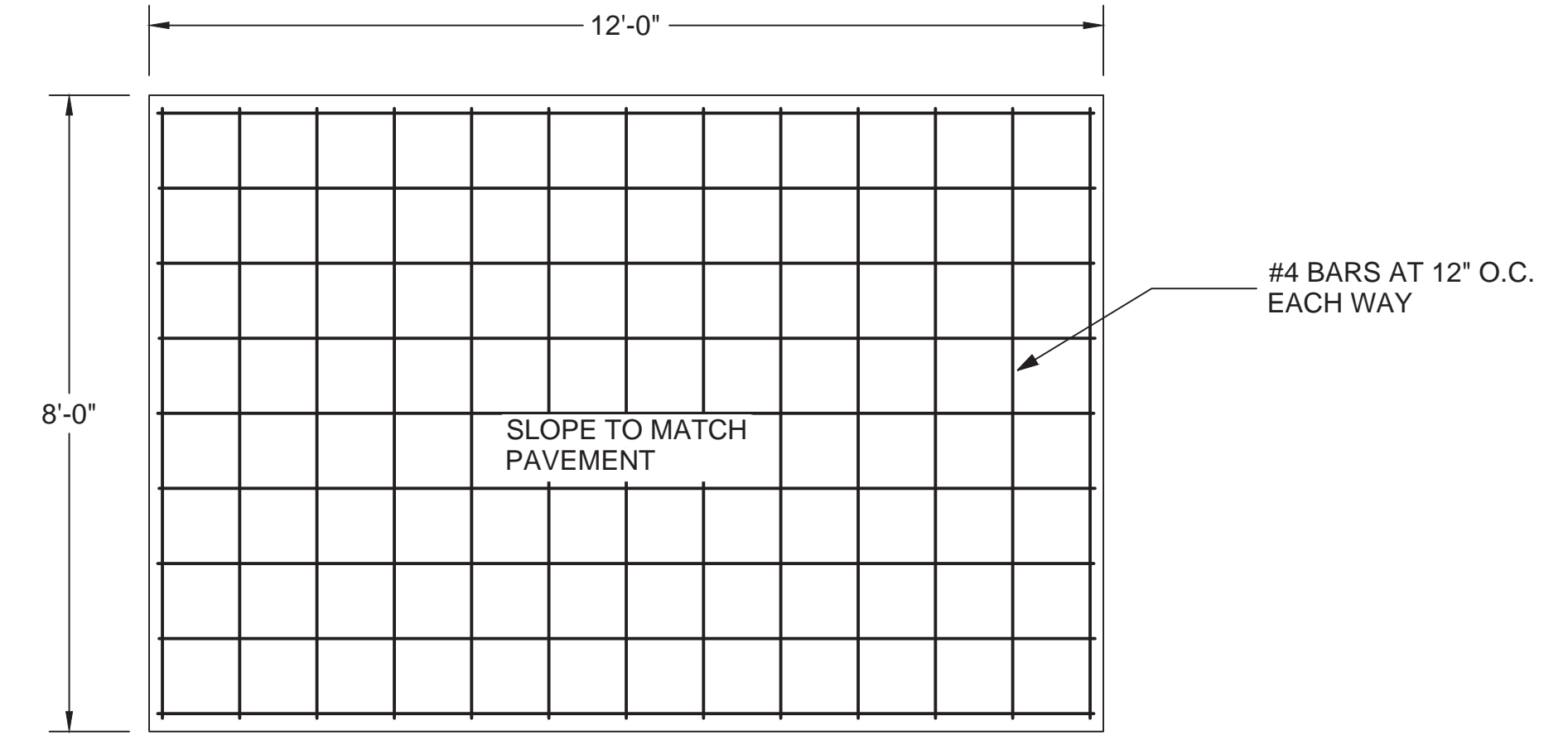
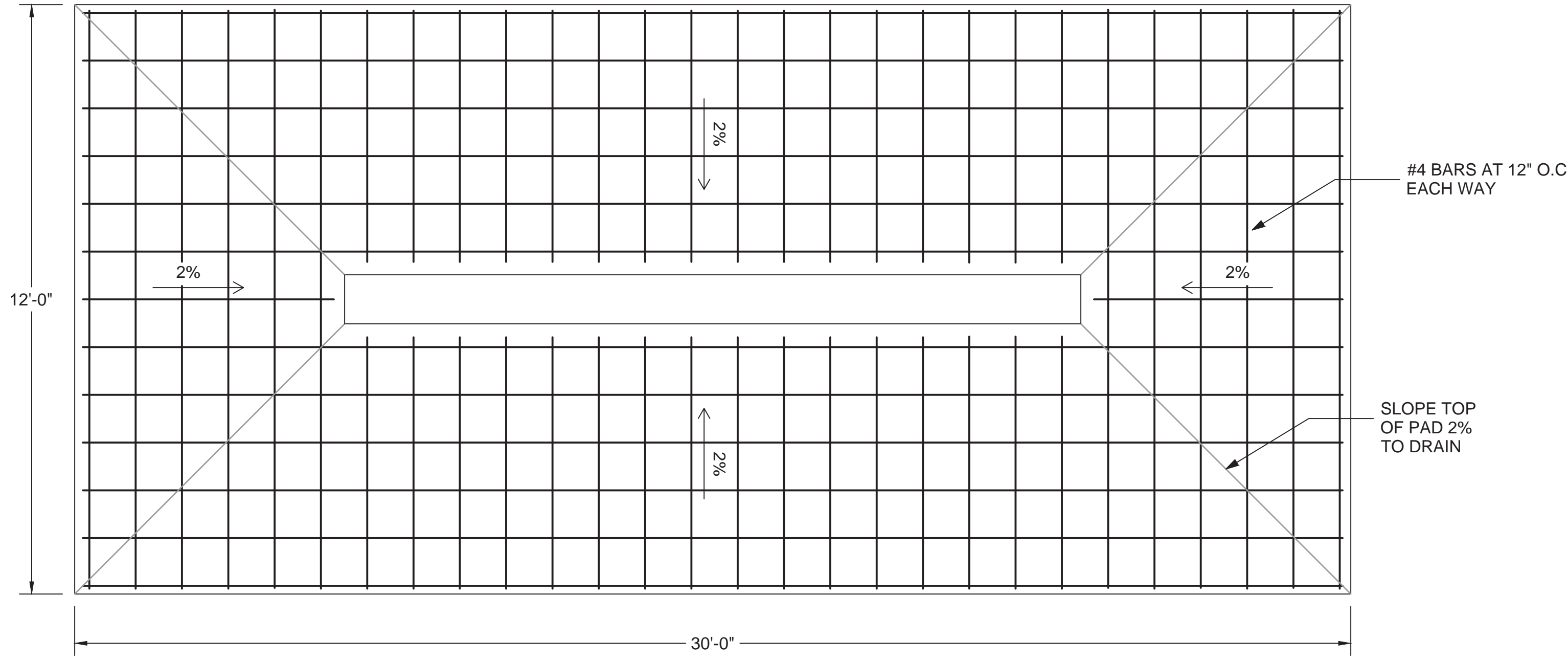
Checked
RID

Drawn
WBR

Drawing Number
CP504

Dwg. 187 of 655

Office of Construction and Facilities Management
Department of Veterans Affairs



1 EXTERIOR VEHICLE WASH PAD
CP505 SCALE: N.T.S.

2 MAINTENANCE FUEL ISLAND PAD
CP505 SCALE: N.T.S.

Revisions:	Date

CONSULTANTS:

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22 MARCH 2017

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Dwg. 188 of 655

BID DOCUMENTS

Office of
Construction
and Facilities
Management

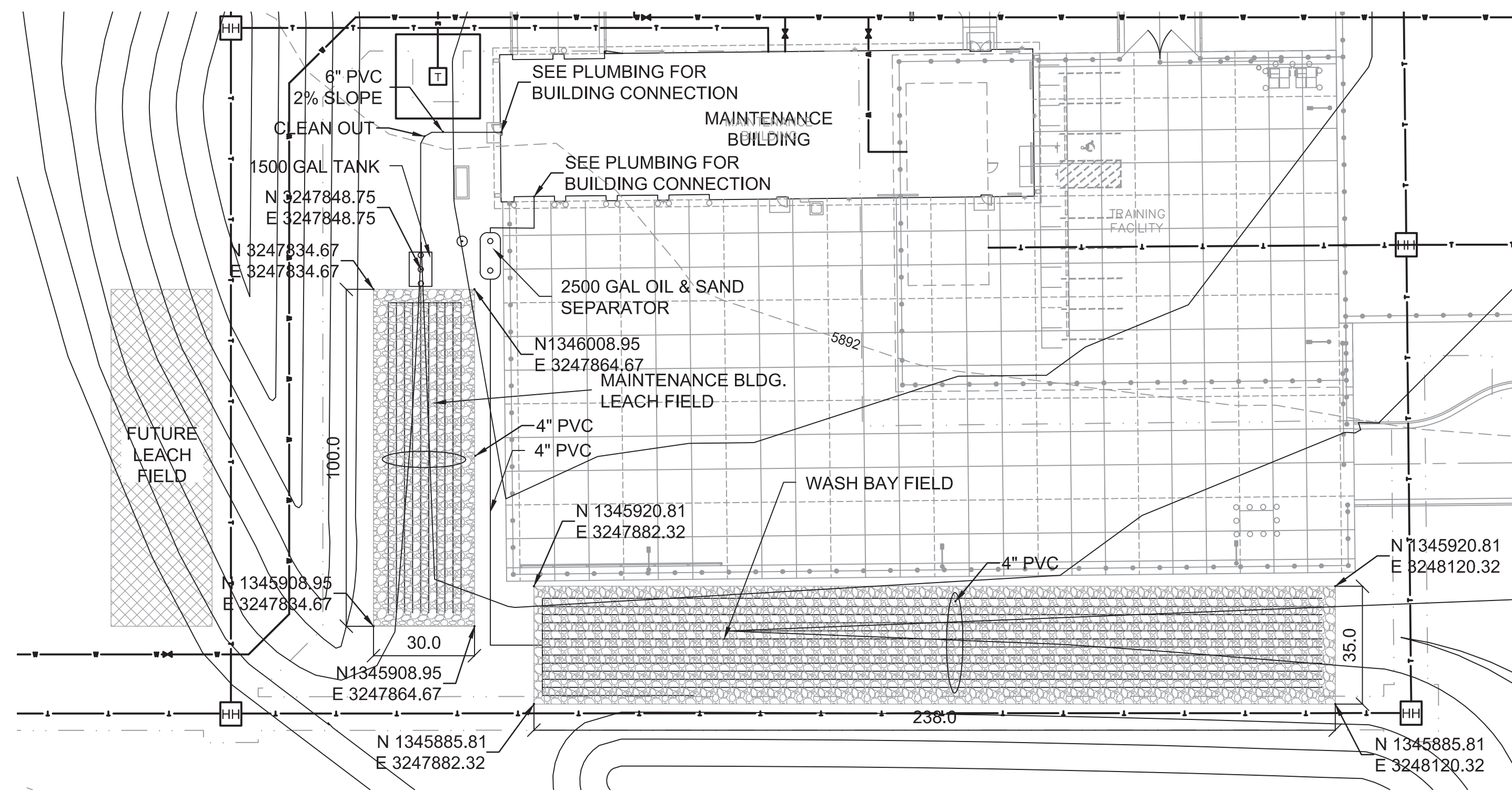
Department of
Veterans Affairs



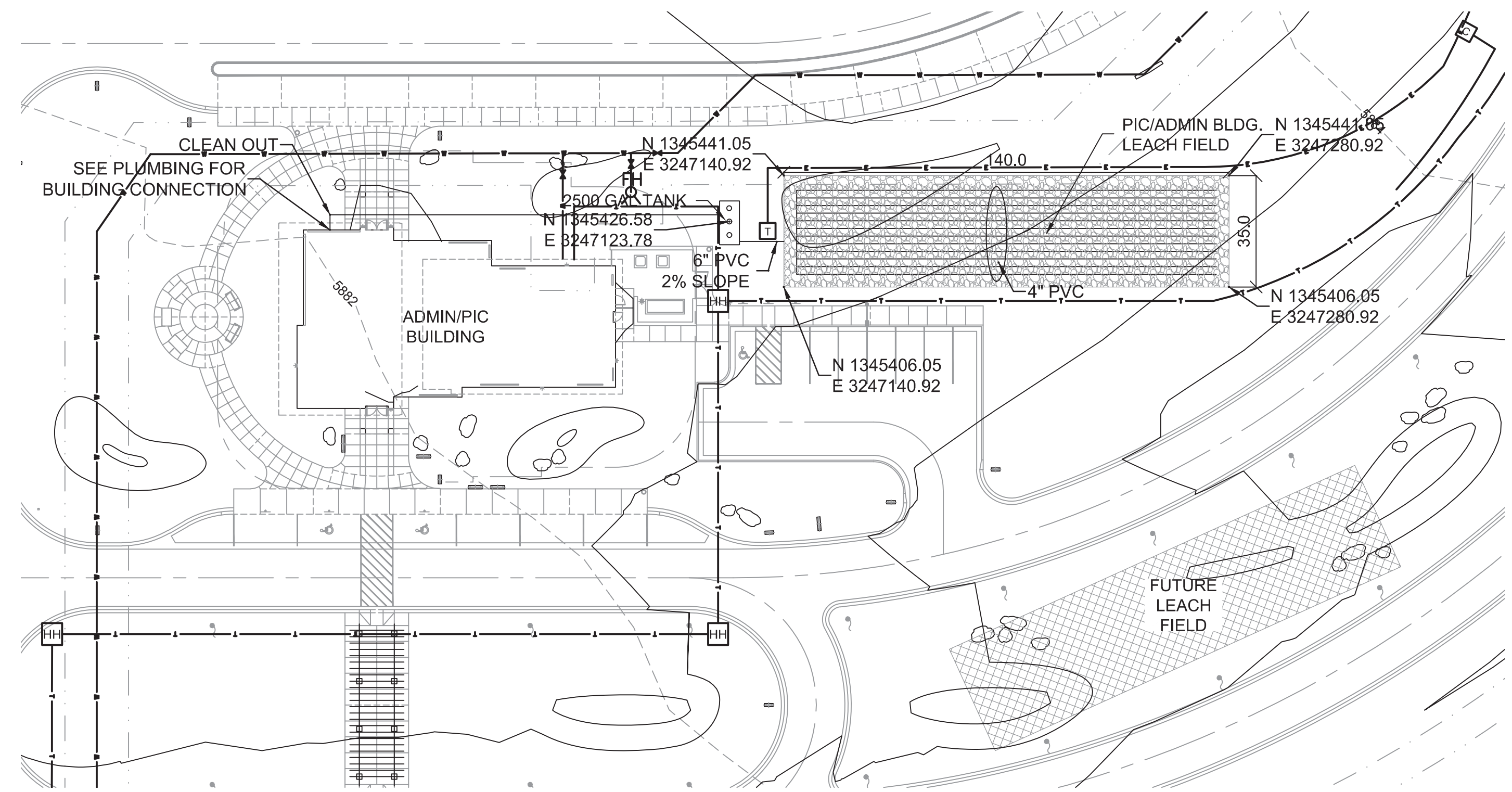
CURVE TABLE: BACK OF CURB ALIGNMENTS					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C2	29.00	45.55	S45° 36' 33.63"E	(3248289.25,1346063.22)	(3248318.56,1346034.53)
C3	49.50	77.75	S45° 36' 33.63"E	(3248265.98,1346323.99)	(3248316.00,1346275.02)
C4	49.50	77.75	N44° 23' 26.37"E	(3248341.00,1346275.28)	(3248389.97,1346325.31)
C5	49.50	77.75	S44° 23' 26.37"W	(3248316.30,1346247.02)	(3248267.33,1346197.00)
C6	29.50	46.34	S45° 36' 33.63"E	(3248287.59,1346172.21)	(3248317.41,1346143.03)
C7	29.00	45.55	S44° 23' 26.37"W	(3248317.68,1346117.53)	(3248288.99,1346088.22)
C9	49.50	77.75	S44° 23' 26.37"W	(3248318.70,1346021.03)	(3248269.73,1345971.01)
C10	31.50	16.49	N75° 36' 28.54"W	(3248243.90,1345970.73)	(3248228.11,1345974.79)
C11	28.50	14.92	N75° 36' 33.63"W	(3248221.20,1345978.67)	(3248206.91,1345982.34)
C12	49.50	77.75	N44° 23' 26.37"E	(3248080.30,1346120.50)	(3248129.27,1346170.53)
C13	4.50	7.29	S44° 11' 34.54"E	(3248034.10,1346147.24)	(3248038.65,1346142.56)
C14	4.50	8.35	S36° 15' 38.00"W	(3248053.82,1346148.48)	(3248049.56,1346142.68)
C15	4.50	7.07	S45° 36' 33.63"E	(3248050.83,1346117.69)	(3248055.38,1346113.24)
C16	4.39	7.13	N44° 28' 12.07"E	(3248035.96,1346113.03)	(3248040.42,1346115.58)
C17	4.50	7.07	N44° 23' 21.07"E	(3247903.30,1346111.62)	(3247907.75,1346116.17)
C18	4.59	7.02	S45° 31' 44.22"E	(3247916.43,1346116.26)	(3247920.96,1346111.81)
C19	4.52	6.97	S45° 00' 00.00"W	(3247925.10,1346145.76)	(3247920.65,1346141.31)
C20	3.64	7.30	N35° 40' 35.44"W	(3247907.48,1346141.17)	(3247903.90,1346146.15)
C21	29.50	38.73	N51° 46' 34.43"E	(3247903.90,1346146.15)	(3247932.19,1346168.43)
C22	29.50	46.34	S45° 36' 38.93"E	(3247845.20,1346167.50)	(3247875.01,1346138.32)
C23	29.50	37.97	S53° 44' 22.00"E	(3248025.28,1346169.42)	(3248053.82,1346148.48)
C24	49.00	76.97	S45° 36' 33.20"E	(3246953.17,1346299.53)	(3247002.68,1346251.05)
C25	31.01	98.40	S88° 27' 59.81"W	(3247084.43,1346274.92)	(3247022.45,1346273.26)
C26	16.05	26.14	S42° 39' 17.83"W	(3247084.43,1346274.92)	(3247068.62,1346257.75)
C27	16.00	25.13	N45° 36' 33.63"W	(3247038.62,1346257.44)	(3247022.45,1346273.26)
C28	46.98	74.28	N44° 30' 01.94"E	(3247104.56,1346263.02)	(3247151.37,1346310.65)
C29	13.80	21.55	S46° 47' 59.91"E	(3247068.79,1346239.75)	(3247082.95,1346226.46)
C30	13.80	22.06	N44° 21' 09.48"E	(3247024.96,1346225.30)	(3247038.79,1346239.44)
C31	29.00	90.49	N90° 00' 00.00"W	(3247083.08,1346213.29)	(3247025.09,1346213.29)
C32	29.00	91.35	S82° 58' 04.39"W	(3247084.92,1346132.92)	(3247027.35,1346125.82)
C35	129.00	133.72	S30° 18' 16.82"E	(3247105.76,1346150.25)	(3247170.25,1346039.90)
C36	209.00	193.00	S33° 32' 43.38"E	(3247027.35,1346125.82)	(3247130.25,1345970.62)
C37	53.03	29.60	S42° 59' 05.06"E	(3247208.74,1345899.90)	(3247228.66,1345878.53)
C38	49.00	25.66	N15° 00' 00.00"W	(3247235.22,1345854.03)	(3247228.66,1345878.53)
C39	31.00	16.23	N14° 59' 58.81"W	(3247239.38,1345831.97)	(3247235.22,1345847.47)
C40	4.00	10.45	N45° 00' 00.00"E	(3247262.22,1345860.41)	(3247267.68,1345865.88)
C41	31.00	17.34	N46° 01' 33.56"W	(3247298.13,1345807.65)	(3247285.81,1345819.54)
C42	29.00	16.63	N45° 37' 12.43"W	(3247319.57,1345791.02)	(3247307.85,1345802.50)
C43	173.00	362.33	N30° 00' 00.00"E	(3247125.86,1345509.58)	(3247275.68,1345769.08)
C44	222.00	462.01	N30° 22' 48.99"E	(3247125.86,1345460.58)	(3247319.57,1345791.02)
C45	391.00	984.97	S12° 10' 00.45"W	(3247320.43,1345953.20)	(3247163.53,1345225.50)
C46	369.00	340.71	S33° 32' 54.96"E	(3247309.43,1345934.15)	(3247491.10,1345660.18)
C47	311.00	282.66	S33° 57' 46.72"E	(3247280.43,1345883.92)	(3247432.96,1345657.47)
C48	289.00	664.60	S5° 52' 47.50"W	(3247269.43,1345864.87)	(3247215.39,1345340.11)
C49	3.98	7.91	S27° 16' 10.93"W	(3247158.67,1345305.42)	(3247155.61,1345299.49)
C50	51.00	47.48	S2° 33' 40.33"E	(3247155.61,1345299.49)	(3247157.66,1345253.75)
C51	4.08	9.18	S30° 11' 54.44"E	(3247157.66,1345253.75)	(3247161.36,1345247.39)
C52	29.00	91.11	N0° 00' 00.00"E	(3247111.11,1345245.58)	(3247111.11,1345303.58)

CURVE TABLE: BACK OF CURB ALIGNMENTS					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C53	8.94	17.05	N54° 07' 12.50"W	(3247215.39,1345340.11)	(3247203.57,1345348.65)
C54	9.51	15.34	S43° 45' 55.02"E	(3247169.07,1345351.08)	(3247178.57,1345341.17)
C55	9.00	12.98	S41° 18' 08.38"W	(3247178.57,1345338.17)	(3247170.72,1345329.24)
C56	4.50	7.07	N45° 00' 00.00"E	(3247119.07,1345376.08)	(3247123.57,1345380.58)
C57	29.00	15.18	N75° 00' 00.00"W	(3247112.40,1345332.70)	(3247097.90,1345336.58)
C58	231.00	239.45	S30° 18' 16.82"E	(3247003.77,1346149.16)	(3247119.25,1345951.57)
C59	151.00	139.38	S33° 33' 23.94"E	(3247084.92,1346132.92)	(3247159.25,1346020.85)
C60	32.10	18.66	N73° 54' 09.37"W	(3247133.35,1345325.71)	(3247115.67,1345330.81)
C61	32.64	11.45	N71° 12' 49.15"W	(3246964.18,1345212.80)	(3246953.40,1345216.47)
C62	31.00	16.23	N75° 00' 00.00"W	(3246948.27,1345219.43)	(3246932.77,1345223.58)
C63	29.00	41.87	N48° 38' 23.37"E	(3246893.78,1345198.26)	(3246922.54,1345223.58)
C64	29.00	45.55	N45° 00' 00.00"W	(3246924.90,1345245.58)	(3246895.90,1345274.58)
C65	29.00	45.55	N45° 00' 00.00"E	(3246895.90,1345274.58)	(3246924.90,1345303.58)
C66	29.00	15.18	S75° 00' 00.00"W	(3246967.90,1345336.58)	(3246953.40,1345332.70)
C67	31.78	19.21	S72° 40' 42.68"W	(3246950.83,1345331.22)	(3246932.77,1345325.58)
C68	29.00	45.55	N45° 00' 00.00"W	(3246924.90,1345325.58)	(3246895.90,1345354.58)
C69	28.98	15.18	S75° 00' 13.27"E	(3246948.40,1345464.47)	(3246962.90,1345460.59)
C70	31.02	16.23	S74° 59' 26.20"E	(3246924.90,1345473.24)	(3246940.40,1345469.09)
C71	29.00	45.55	N45° 00' 00.00"E	(3246895.90,1345444.24)	(3246924.90,1345473.24)
C72	28.80	15.19	N75° 00' 00.00"E	(3246948.40,1345505.70)	(3246962.90,1345509.58)
C73	31.00	16.23	N75° 00' 00.00"E	(3246924.90,1345496.93)	(3246940.40,1345501.08)
C74	29.00	45.55	N45° 00' 00.00"W	(3246924.90,1345496.93)	(3246895.90,1345525.93)
C75	39.82	15.66	S74° 25' 05.22"W	(3247132.60,1345223.66)	(3247117.61,1345219.48)
C76	29.00	15.18	S75° 00' 00.00"W	(3247112.40,1345216.47)	(3247097.90,1345212.58)
C77	237.00	372.28	S45° 00' 00.00"E	(3246632.90,1345798.58)	(3246869.90,1345561.58)
C78	263.00	413.12	S45° 00' 00.00"E	(3246632.90,1345824.58)	(3246895.90,1345561.58)
C79	513.00	159.25	N81° 06' 25.32"E	(3246286.19,1345800.07)	(3246442.90,1345824.58)
C80	487.00	551.20	N57° 34' 31.19"E	(3246002.07,1345518.56)	(3246442.90,1345798.58)
C81	29.00	43.30	N66° 12' 08.98"W	(3246276.05,1345796.69)	(3246240.00,1345812.59)
C82	29.00	43.63	S19° 40' 16.02"W	(3246221.48,1345805.03)	(3246208.14,1345767.72)
C83	487.00	68.74	N67° 05' 25.82"E	(3246222.16,1345745.68)	(3246285.42,1345772.42)
C84	487.00	551.20	N57° 34' 31.19"E	(3246002.07,1345518.56)	(3246442.90,1345798.58)
C85	31.22	13.74	N77° 15' 15.87"E	(3246193.92,1345764.26)	(3246207.22,1345767.27)
C86	32.35	20.84	N78° 15' 03.02"E	(3246173.87,1345760.09)	(3246193.92,1345764.26)
C87	113.00	46.31	N35° 09' 54.90"W	(3246199.50,1345906.08)	(3246173.01,1345943.67)
C88	93.00	38.11	N35° 09' 54.89"W	(3246181.15,1345898.13)	(3246159.35,1345929.07)
C89	20.63	13.71	N76° 08' 50.91"W	(3246156.56,1345931.25)	(3246143.49,1345934.47)
C90	30.79	15.92	N76° 33' 35.26"W	(3246142.26,1345934.44)	(3246126.95,1345938.10)
C91	83.00	28.22	N77° 42' 24.23"W	(3246126.95,1345938.10)	(3246099.51,1345944.08)
C92	70.19	23.29	N39° 13' 35.45"W	(3246179.54,1345937.04)	(3246164.89,1345954.99)
C93	29.59	19.62	S47° 52' 26.09"E	(3246146.89,1345974.15)	(3246161.17,1345961.23)
C94	124.00	123.22	S85° 51' 26.05"W	(3246146.89,1345974.15)	(3246028.98,1345965.61)
C95	83.00	82.48	S85° 51' 26.05"W	(3246130.00,1345936.79)	(3246051.08,1345931.07)
C96	174.00	193.91	S25° 27' 48.01"W	(3246022.80,1345961.66)	(3245943.68,1345795.50)
C97	133.00	148.22	S25° 27' 48.01"W	(3246044.90,1345927.12)	(3245984.42,1345800.12)
C98	28.93	15.55	N9° 04' 56.71"E	(3245982.00,1345784.95)	(3245984.42,1345800.12)
C99	20.29	16.24	N3° 03' 27.33"E	(3245981.16,1345769.16)	(3245982.00,1345784.95)
C100	173.00	63.93	S17° 05' 50.37"E	(3245944.69,1345795.47)	(3245963.38,1345734.71)

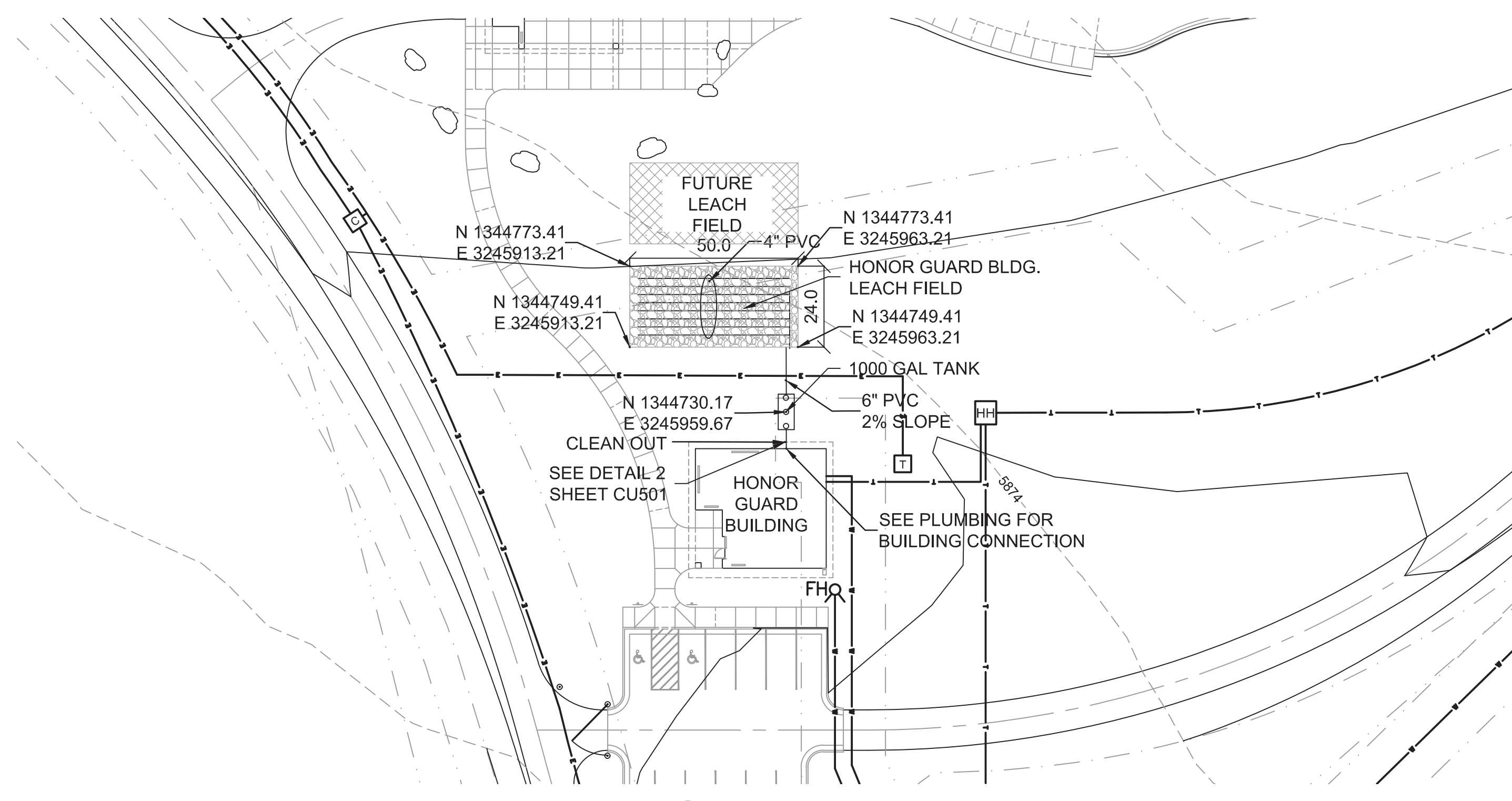
CURVE TABLE: BACK OF CURB ALIGNMENTS					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C101	30.34	23.24	N46° 28' 33.60"W	(3245979.82,1345719.10)	(3245963.38,1345734.71)
C102	76.12	23.81	N49° 00' 22.40"W	(3245997.72,1345703.54)	(3245979.82,1345719.10)
C103	29.00	43.30	S4° 38' 48.64"E	(3246036.18,1345667.60)	(3246039.37,1345628.34)
C104	29.00	43.63	S89° 28' 46.36"W	(3246089.02,1345682.98)	(3246049.39,1345682.62)
C105	35.51	18.39	S29° 55' 13.24"W	(3246098.08,1345698.74)	(3246089.02,1345682.98)
C106	31.60	17.01	S33° 28' 38.79"W	(3246107.35,1345712.76)	(3246098.08,1345698.74)
C107	513.00	117.57	N39° 49' 06.05"E	(3246013.90,1345592.88)	(3246089.02,1345682.98)
C108	41.56	22.61	S31° 41' 17.24"W	(3245978.56,1345529.59)	(3245966.83,1345510.59)
C109	39.60	24.00	S38° 09' 52.03"W	(3245966.83,1345510.59)	(3245952.23,1345492.01)
C110	287.00	251.96	N0° 00' 00.00"E	(3246002.07,1345274.61)	(3246002.07,1345518.56)
C111	36.34	20.12	S12° 52' 10.54"E	(3245939.70,1345431.07)	(3245944.12,1345411.70)
C112	37.88	35.11	S2° 54' 28.91"W	(3245944.12,1345411.70)	(3245942.40,1345377.88)
C113	29.31	16.22	S9° 43' 57.52"W	(3245942.40,1345377.88)	(3245939.70,1345362.10)
C114	40.26	23.70	S39° 01' 01.96"E	(3245952.22,1345301.19)	(3245966.83,1345283.04)
C115	46.19	22.55	S31° 39' 53.52"E	(3245966.83,1345282.58)	(3245978.56,1345263.57)
C116	29.00	43.30	S4° 38' 48.64"W	(3246039.37,1345164.83)	(3246036.18,1345125.57)
C117	21.00	8.25	S66° 10' 09.36"W	(3246035.63,1345125.71)	(3246028.13,1345122.40)
C118	29.07	15.18	S62° 25' 30.93"W	(3246020.32,1345120.65)	(3246007.01,1345113.71)
C119	29.00	43.63	S89° 28' 46.36"E	(3246049.39,1345110.54)	(3246089.02,1345110.18)
C12					



1 MAINTENANCE ISDS
CU101 SCALE: 1" = 30'



2 PIC/ADMIN ISDS
CU101 SCALE: 1" = 30'

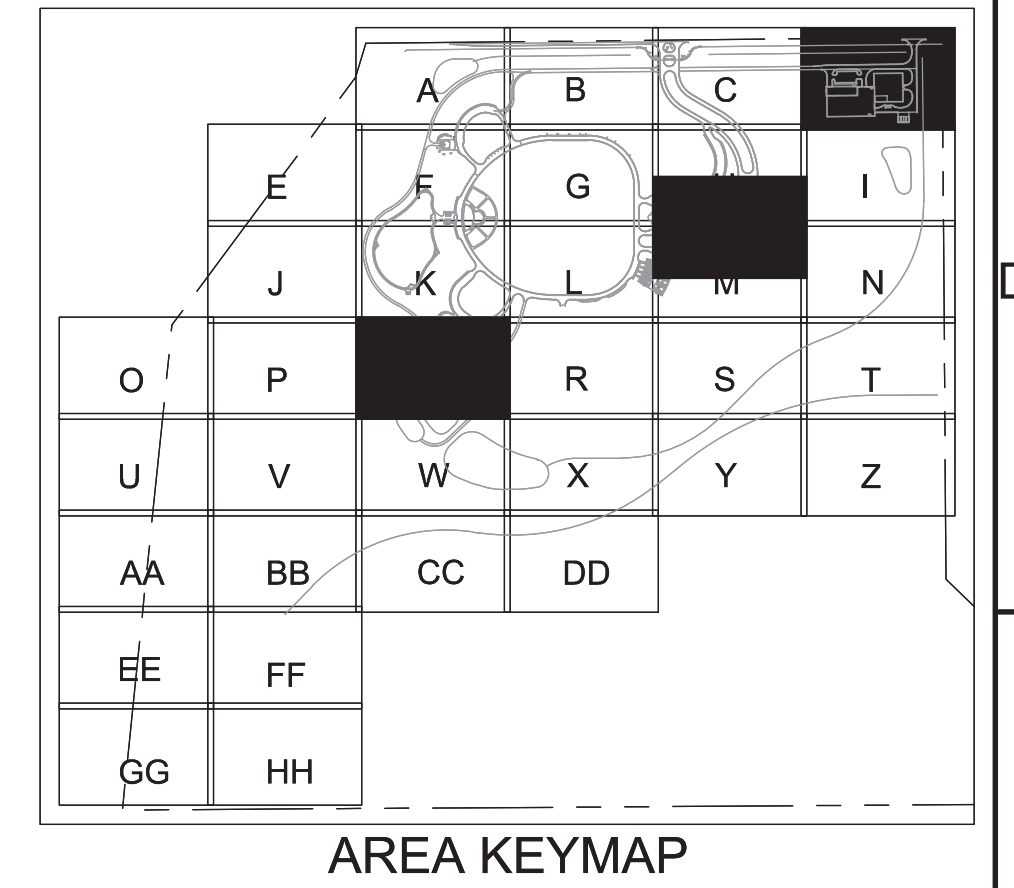


3 HONOR GUARD ISDS
CU101 SCALE: 1" = 30'

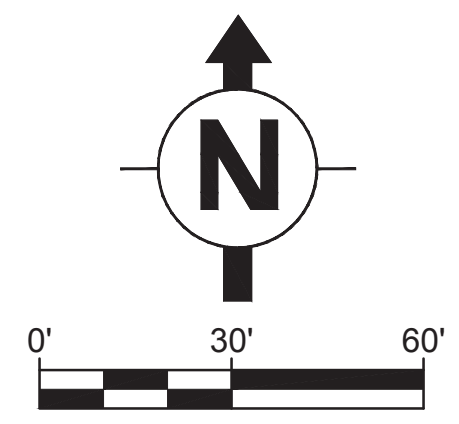
- GENERAL NOTES**
- ESTABLISH FINAL GRADE OVER LEACH FIELDS AT TIME OF INSTALLATION
 - PROTECT LEACH FIELDS FROM VEHICLE TRAFFIC AFTER INSTALLATION
 - SEE SHEETS CU501 AND CU502 FOR ISDS DETAILS

LEGEND

	FENCE
	SANITARY SEWER
	STORM SEWER
	WATER LINE
	EXISTING WATER LINE
	4" PERFORATED HDPE
	4" HDPE
	6" HDPE
	CLEAN OUT
	30 SCALE PLAN AREAS



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BID DOCUMENTS

Revisions:	Date:

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Aqua Engineering Inc.

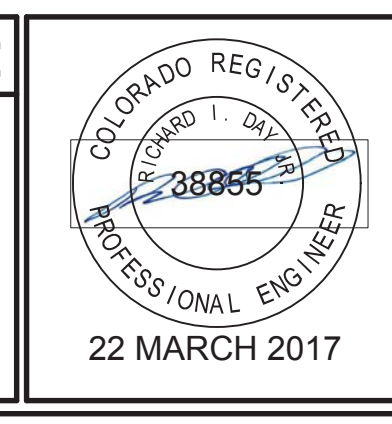
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Project Title
PIKES PEAK NATIONAL CEMETERY

Project Number
933PC2002

Building Number

Location
COLORADO SPRINGS, CO

Date
MARCH 2017

Checked
RID

Drawn
ALK

Drawing Number
CU101
Dwg. 192 of 655

Office of
Construction
and Facilities
Management

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Veterans Affairs