



# Department of Veterans Affairs

## INDEX OF SHEETS

### GENERAL SHEETS

- 1 GI001 COVER SHEET
- 2 V-101 TOPOGRAPHIC SURVEY
- 3 B-101 SUBSURFACE INVESTIGATION - BORING LOGS AND GEOTECHNICAL NOTES

### CIVIL AND LANDSCAPE ARCHITECTURAL SHEETS

- 4 C-101 OVERALL SITE PLAN
- 5 C-102 DEMOLITION PLAN
- 6 C-103 STAGING PLAN
- 7 C-104 EROSION CONTROL PLAN
- 8 C-105 GRADING PLAN
- 9 C-106 JOINT LAYOUT
- 10 C-107 STORM DRAINAGE AND STAKEOUT PLAN
- 11 C-108 WALL AND REFLECTION WALK STAKEOUT PLAN
- 12 C-501 CIVIL DETAILS #1
- 13 C-502 CIVIL DETAILS #2
- 14 L-101 SITE LAYOUT PLAN: EXISTING COLUMBARIUM A RENOVATION
- 15 L-102 SITE LAYOUT PLAN: ADDITION
- 16 L-103 ADDRESSING PLAN / NICHE WAYFINDING PLAN
- 17 L-104 PLANTING PLAN
- 18 L-105 PLANTING PLAN: EXISTING COLUMBARIUM A RENOVATION
- 19 L-106 PLANTING PLAN: ADDITION
- 20 L-201 WALL ELEVATIONS #1
- 21 L-202 WALL ELEVATIONS #2
- 22 L-203 WALL ELEVATIONS #3
- 23 L-204 WALL ELEVATIONS #4
- 24 L-205 WALL ELEVATIONS #5
- 25 L-501 SECTIONS AND DETAILS: COLUMBARIUM WALLS #1
- 26 L-502 SECTIONS AND DETAILS: COLUMBARIUM WALLS #2
- 27 L-503 SECTIONS AND DETAILS: LANDSCAPE WALLS
- 28 L-504 SECTIONS AND DETAILS: ENLARGEMENTS #1
- 29 L-505 SECTIONS AND DETAILS: ENLARGEMENTS #2
- 30 L-506 SECTIONS AND DETAILS: ENLARGEMENTS #3
- 31 L-507 PLANTING DETAILS

### STRUCTURAL SHEETS

- 32 S-001 GENERAL STRUCTURAL NOTES, ABBREVIATIONS, LEGENDS + IBC INSPECTION TABLES
- 33 S-101 COLUMBARIUM FOUNDATION PLAN + SITE WALL FOUNDATION PLANS
- 34 S-102 COLUMBARIUM CONCRETE ROOF PLAN
- 35 S-401 PRECAST COLUMBARIUM DETAILS
- 36 S-501 STRUCTURAL SECTIONS #1
- 37 S-502 STRUCTURAL SECTIONS #2
- 38 S-503 STRUCTURAL DETAILS #1
- 39 S-504 STRUCTURAL DETAILS #2
- 40 S-701 TYPICAL STRUCTURAL SECTIONS + DETAILS

### IRRIGATION SHEETS

- 41 LI101 IRRIGATION PLAN
- 42 LI102 IRRIGATION PLAN: EXISTING COLUMBARIUM A RENOVATION
- 43 LI103 IRRIGATION PLAN: ADDITION
- 44 LI501 IRRIGATION DETAILS #1
- 45 LI502 IRRIGATION DETAILS #2

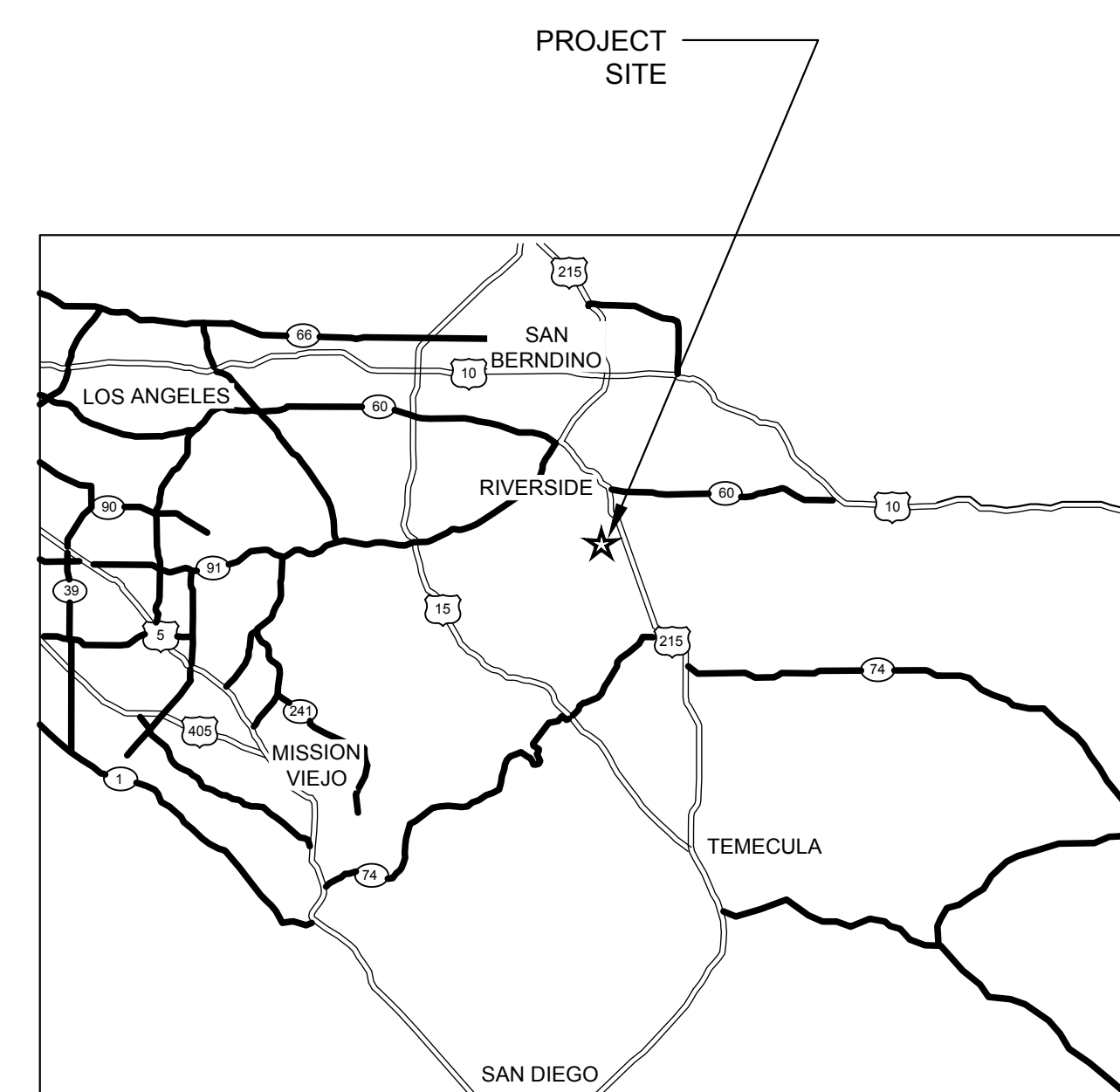
### PLUMBING SHEETS

- 46 P-101 PLUMBING PLAN AND DETAILS
- 47 P-102 PLUMBING SPECIFICATIONS

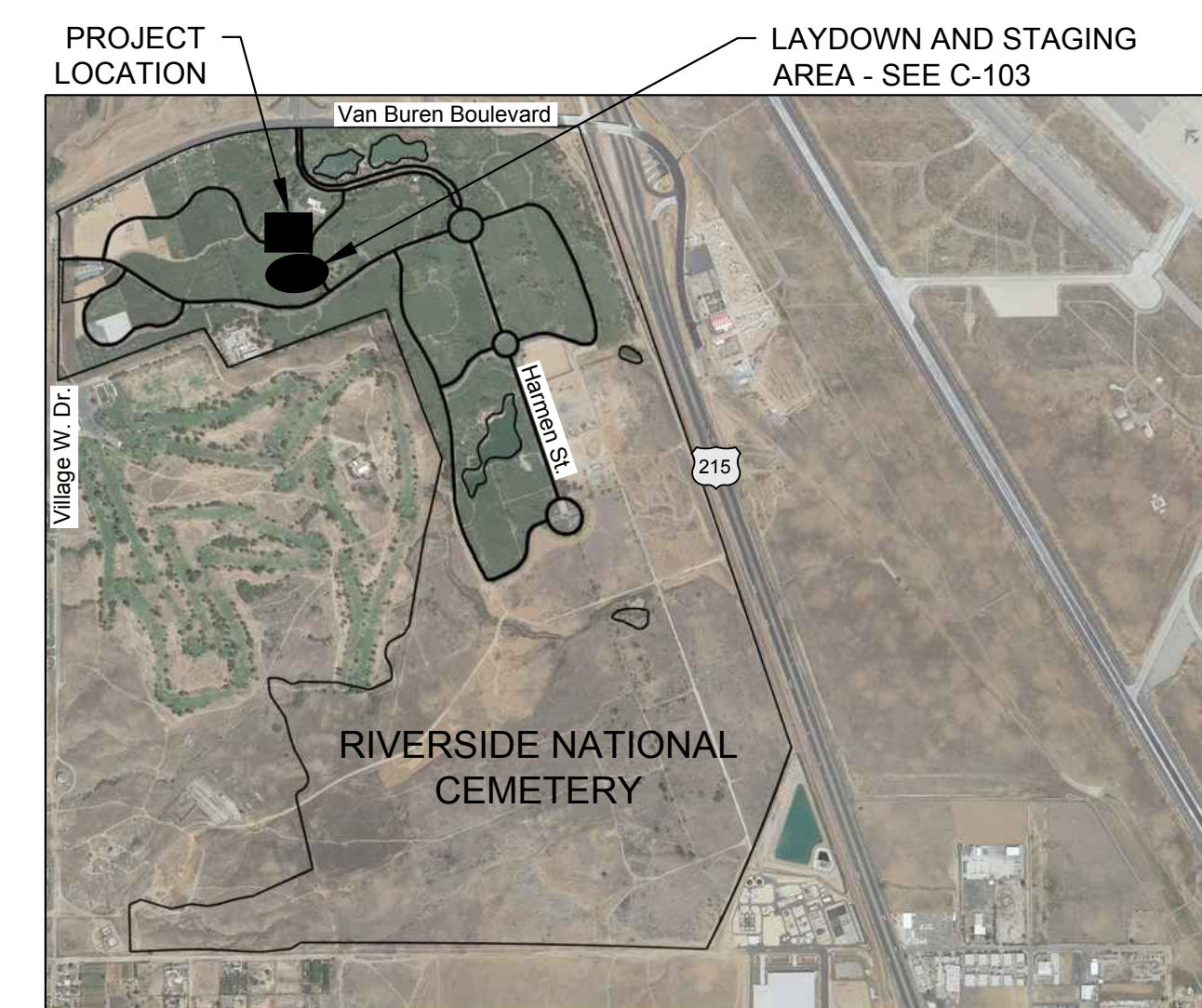
## RIVERSIDE NATIONAL CEMETERY RIVERSIDE, CALIFORNIA EXPAND COLUMBARIUM A PROJECT NUMBER: 901CM3040

MAY 26, 2016

### VICINITY MAP



VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.



PROJECT LOCATION: RIVERSIDE, CALIFORNIA  
STREET ADDRESS: 22495 VAN BUREN BOULEVARD, 92518  
SITE SIZE: 1.44 ACRES +/-  
COUNTY: RIVERSIDE COUNTY

### PRIME CONSULTANT

LANDSCAPE ARCHITECTURE, CIVIL ENGINEER  
FOURFRONT DESIGN, INC.  
517 7TH STREET, RAPID CITY, SD 57701  
PHONE: 605.342.9470

### SUBCONSULTANTS

SURVEYING - TOPOGRAPHIC  
ACTION SURVEYS  
1045 MAIN STREET, SUITE 102, RIVERSIDE, CA 92501  
PHONE: 951.686.6166

SURVEYING - UTILITIES  
GPRS  
7540 NEW WEST ROAD, TOLEDO, OH 43617  
PHONE: 858.334.9112

GEOTECHNICAL  
ARAGON GEOTECHNICAL, INC.  
16801 VAN BUREN BOULEVARD, RIVERSIDE, CA 92518  
PHONE: 951.776.0345

HISTORICAL  
CH2M HILL  
6600 PEACHTREE DUNWOODY ROAD 400 EMBASSY ROW, SUITE 600 ATLANTA, GA 30328  
PHONE: 678.401.7955

STRUCTURAL  
ALBERTSON ENGINEERING  
3202 W. MAIN, SUITE #C, RAPID CITY, SD 57702-1706  
PHONE: 605.343.9606

### GRAVESITE SUMMARY

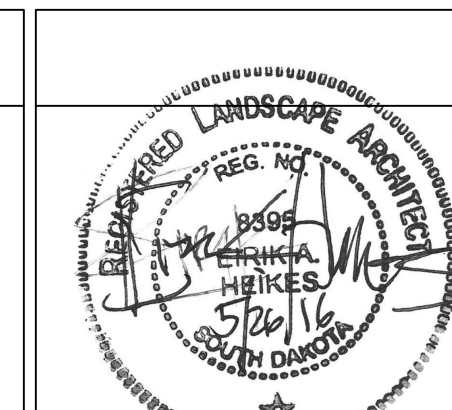
COLUMBARIUM A EXPANSION:	
COURT DESIGNATION	NICHES
COURT K	384
COURT L	592
COURT M	336
COURT N	528
COURT O	576
COURT P	432
COURT Q	432
COURT R	384
COURT S	432
COURT T	672
COURT U	304
TOTAL = 5,072	
NEW COLUMBARIUM ADDITION = .34 ACRES	

### CONSULTANTS:

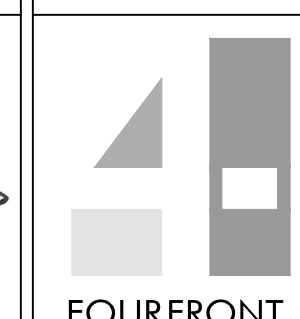


3202 W. MAIN, SUITE C  
RAPID CITY, SOUTH DAKOTA 57701  
TEL: (605) 342-9470  
FAX: (605) 342-9470

Albertson Engineering Inc.



### ARCHITECT/ENGINEERS:



517 7th street  
rapid city sd 57701  
p 605.342.9470  
f 605.342.2377  
www.4front.biz

Drawing Title  
COVER SHEET

Approved: Project Director

Project Title  
Expand Columbarium A

Location  
Riverside National Cemetery,  
22495 Van Buren Blvd, Riverside CA 92518

Date  
May 26, 2016

Checked  
EH

Drawn  
EH/JH/AW

Project Number  
901CM3040

Building Number

Drawing Number  
GI001

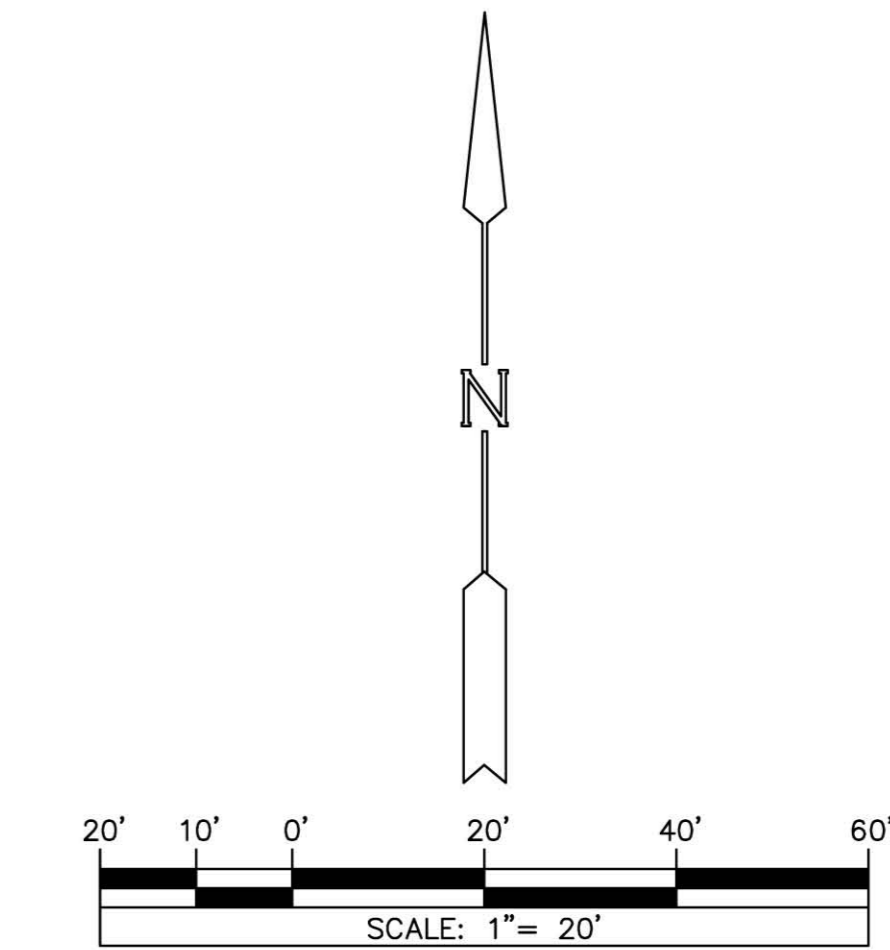
Dwg. 1 of 47

NCA DESIGN  
AND CONSTRUCTION  
SERVICE



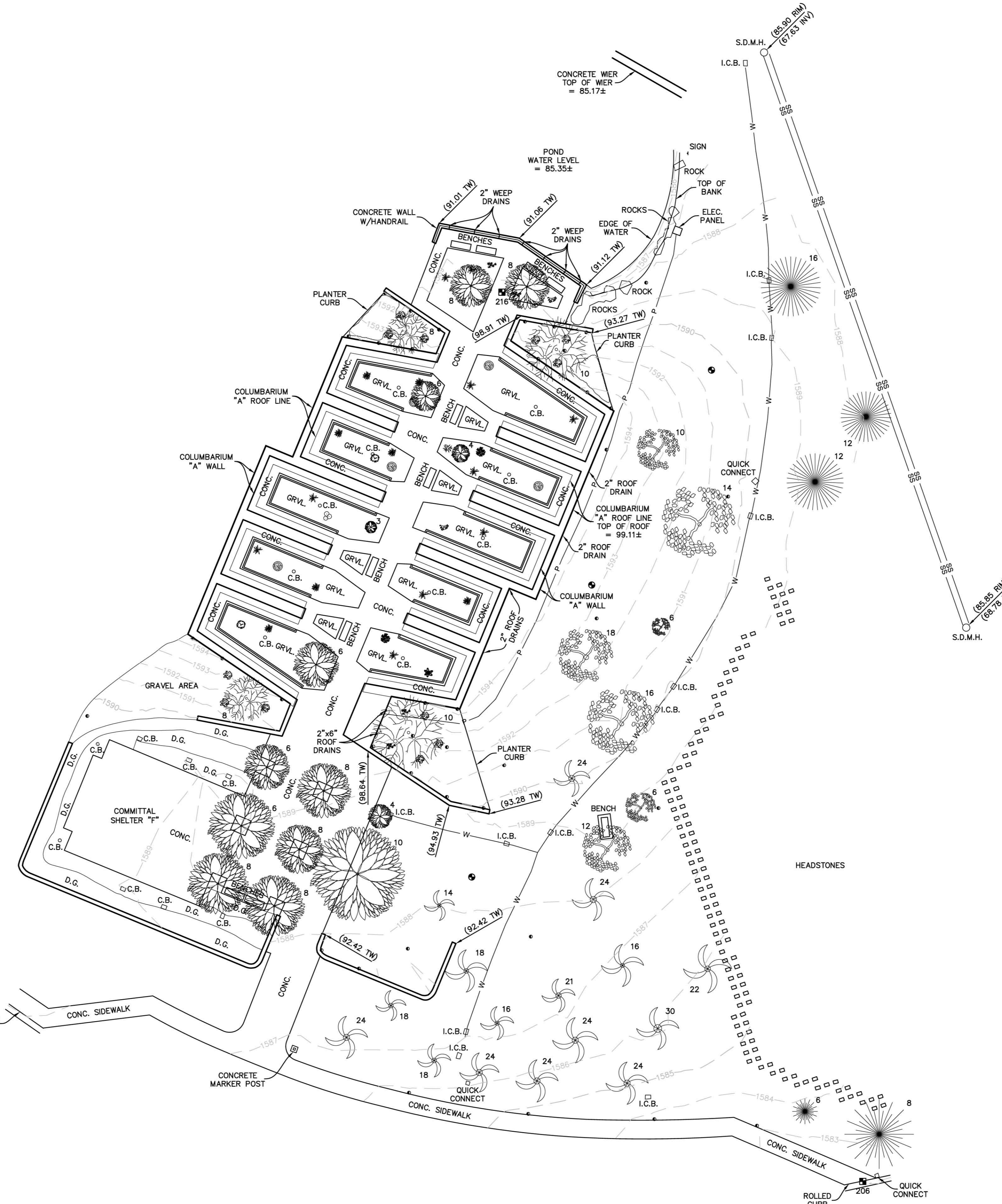
# TOPOGRAPHIC MAP

EXISTING CONDITIONS, COLUMBARIUM A AND ADJACENT AREAS  
AT RIVERSIDE NATIONAL CEMETERY LOCATED IN  
RIVERSIDE COUNTY, CALIFORNIA.  
ACTION SURVEYS JULY, 2015



## LEGEND

- BENCHMARK
- BORING LOCATION
- CATCH BASIN/AREA DRAIN
- CHINESE PISTACHE TREE
- CONCRETE
- DECOMPOSED GRANITE AREA
- ELECTRIC
- EUCALYPTUS TREE
- EXISTING CONTOUR
- EXISTING ELEVATION
- GRAVEL AREA
- HAWTHORN PLANT
- INVERT PIPE
- IRRIGATION CONTROL BOX
- JACARANDA TREE
- JUNIPER PLANT
- NANDINA PLANT
- PALM TREE
- PINE TREE
- PLANT 01
- PLANT 02
- PLANT 03
- PLANT 04
- PLANT 05
- PLANT 06
- PLANT 07
- PLANT 08
- PLANT 09
- SIGN
- SPRINKLER
- SPRUCE TREE
- STORM DRAIN MANHOLE
- TOP OF WALL
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND IRRIGATION LINE
- UNDERGROUND 24" STORM DRAIN
- TREE TRUNK DIAMETER (N = DIAMETER IN INCHES)



**BASIS OF BEARINGS**  
THE BASIS OF BEARINGS SHOWN HEREON FOR THIS SURVEY IS THE CALIFORNIA STATE PLANE COORDINATE SYSTEM, C.S.S. 83, ZONE 6, BASED LOCALLY ON GPS CONTROL STATIONS TAKEN FROM RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT (EPOCH 2011.0)

**NOTES:**  
THE CONVERGENCE ANGLE FOR THIS PROJECT IS -0°33'59", TAKEN AT POINT NUMBER 216.  
GROUND DISTANCES MAY BE OBTAINED BY MULTIPLYING GRID DISTANCES BY A COMBINATION FACTOR OF 1.00007413.  
THE CANOPIES OF ALL TREES SHOWN ARE SCALED TO THE APPROXIMATE FIELD MEASURED DRIP LINES.

**POINT DESCRIPTIONS**  
POINT 203 ON NORTH SIDE OF PEARL HARBOR DRIVE, SET CONCRETE NAIL IN EXPANSION JOINT OF ROLLED CURB OPPOSITE 6"x6" CONCRETE MARKER POST TO AREA 47. MARKER POST LOCATED ON SOUTH SIDE OF PEARL HARBOR DRIVE. (N. 2267170.04, E. 6248637.13, EL. 1589.10)  
POINT 206 ON NORTH SIDE OF PEARL HARBOR DRIVE, SCRIBED "X" ON TOP OF ROLLED CURB AT EAST END OF STREET SIDEWALK TO COLUMBARIUM "A" ADJACENT TO AREA 45. (N. 2267055.86, E. 6248973.04, EL. 1582.30)  
POINT 216 SCRIBED "X" ON CENTER CONCRETE WALKWAY LOCATED AT NORTH MOST VIEWING AREA OF COLUMBARIUM "A". (N. 2267339.51, E. 6248658.01, EL. 1589.14)

PREPARED UNDER THE SUPERVISION OF:  
GABRIEL D. YBARRA  
P.L.S. 4343  
LIC. EXP. 6/30/2016

### CONSULTANTS:

**Action Surveys**  
SURVEYING • PLANNING • SUBDIVISIONS  
1045 MAIN STREET, SUITE 102  
RIVERSIDE, CA 92501  
TELE: (951) 686-6166  
FAX: (951) 686-6174

### ARCHITECT/ENGINEERS:

**FOURFRONT DESIGN INC.**  
517 7th street  
rapid city sd 57701  
p 605.342.9470  
f 605.342.2377  
www.4front.biz

### Drawing Title

TOPOGRAPHIC SURVEY

Approved: Project Director

### Project Title

Expand Columbarium A

Location Riverside National Cemetery,  
22495 Van Buren Blvd, Riverside CA 92518

Date May 26, 2016  
Checked GY  
Drawn RY

### Project Number

901CM3040

Drawing Number

V-101  
Dwg. 2 of 47

NCA DESIGN AND CONSTRUCTION SERVICE



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot