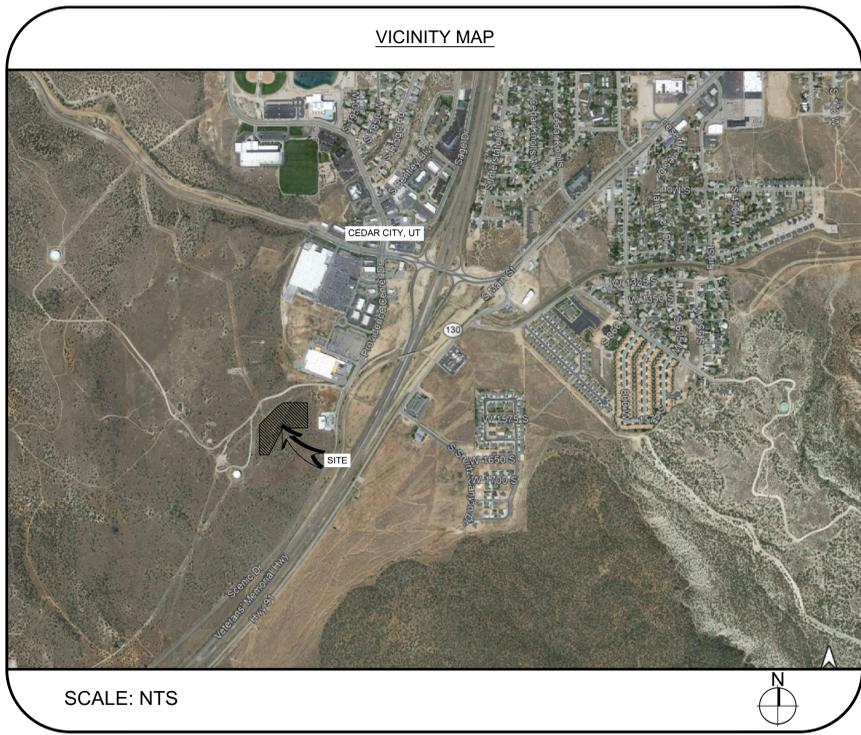
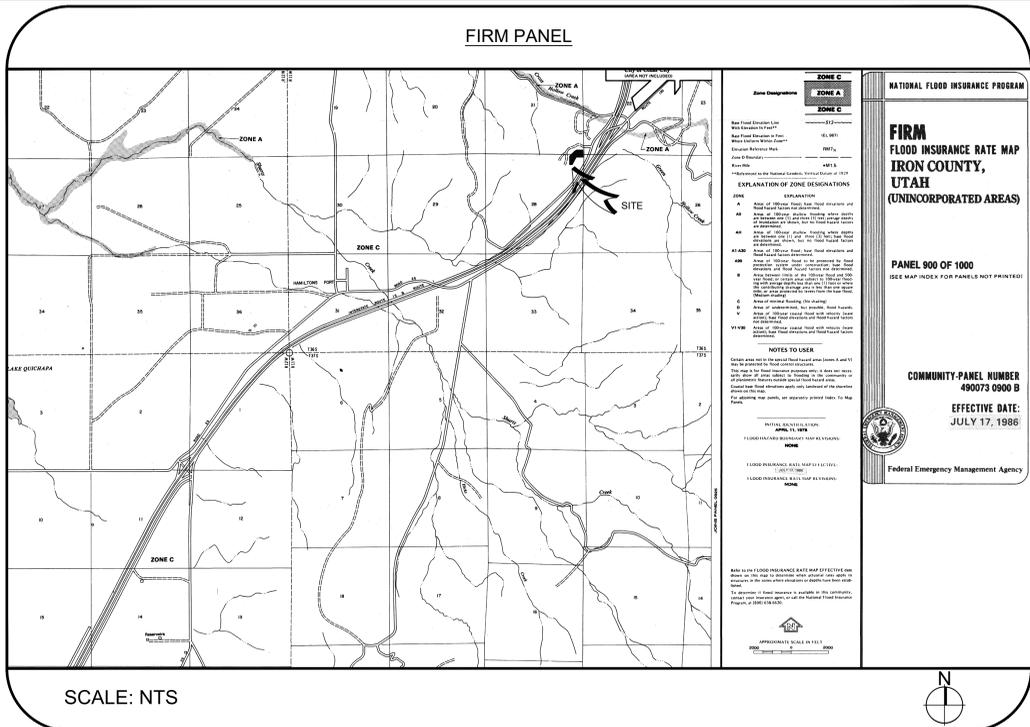




# DEPARTMENT OF VETERANS AFFAIRS NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE

NCA PROJECT NO. 942CM3001  
2181 W. 1600 S., CEDAR CITY, UTAH 84721



### PROJECT TEAM

<b>ARCHITECT / ENGINEER</b> VALI COOPER INTERNATIONAL, LLC DENVER, CO 80249 CONTACT: SEAN FITZPATRICK SEAN@VALINT.COM 720-491-7559	<b>CONSULTANT ENGINEER</b> WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. KENNESAW, GA 30144 CONTACT: SORAYA AGUDELO SORAYA.AGUDELO@WOODPLC.COM 470-763-1532	<b>LANDSCAPE ARCHITECT</b> MRWM LANDSCAPE ARCHITECTS ALBUQUERQUE, NM 87102 CONTACT: BRIAN VERARDO BVERARDO@MRWMLA.COM 505-288-2266
<b>SURVEYOR</b> PLATT & PLATT INC CEDAR CITY, UT 84720 CONTACT: STEVE DAVIS STEVE.DAVIS@VA.GOV 435-586-6151	<b>SITE OWNER</b> VA NCA CEDAR CITY, UT CONTACT: STEVE DAVIS STEVE.DAVIS@VA.GOV 202-632-4833	<b>BIOLOGICAL ASSESSMENT</b> TRANSCON ENVIRONMENTAL, INC DRAPER, UT CONTACT: ERICA WRIGHTMAN EWRIGHTMAN@TRANSCON.COM 801-649-5141 X317

### GENERAL NOTES

- TOPOGRAPHIC INFORMATION PROVIDED BY SURVEY PERFORMED BY PLATT & PLATT, INC CIVIL ENGINEERS AND SURVEYORS DATED 22 MAY 2019. THE GENERAL CONTRACTOR SHALL VERIFY ALL SURVEY INFORMATION.
- ALL ELEVATIONS ARE NAVD 88 VERTICAL DATUM BASED ON GPS OBSERVATION.
- THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING ANY WORK. IF UTILITIES OTHER THAN THOSE SHOWN HEREON ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE COR IMMEDIATELY AND TAKE APPROPRIATE MEASURES TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL VERIFY THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL INSTALL TREE PROTECTION BARRICADES PRIOR TO BEGINNING EARTHWORK OPERATIONS.
- THE CONTRACTOR SHALL NOTIFY THE CO/CR IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION. (SEE SPECIFICATION SECTION 31.20.00)
- THE CONTRACTOR SHALL STABILIZE ALL DISTURBED AREA WITH SOD OR MULCH, NOT SHOWN FOR ASPHALT OR CONCRETE, WITHIN LIMITS OF DEMOLITION AND PROPOSED WORK. THIS INCLUDES STAGING AREA AND LAYDOWN AREAS.
- ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED, FOR AREAS REQUIRING SEEDING, THE CONTRACTOR AT HIS EXPENSE IS RESPONSIBLE FOR PROVIDING TEMPORARY IRRIGATION UNTIL ACCEPTANCE BY THE GOVERNMENT. WATER FOR IRRIGATION WILL BE PROVIDED BY THE CONTRACTOR AT HIS EXPENSE.
- CONTRACTOR SHALL GRADE ALL DISTURBED AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
- THE DESIGN ADEQUACY AND SAFETY OF ALL BRACING, SHORING AND TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- IN PERFORMING CONSTRUCTION OBSERVATION VISITS TO THE JOB SITE, THE ENGINEER SHALL HAVE NEITHER CONTROL OVER NOR RESPONSIBILITY FOR THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK.
- THE CONTRACTOR'S MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES IN PERFORMING THE WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR, WHO IS ALSO RESPONSIBLE FOR COMPLYING WITH ALL HEALTH AND SAFETY PRECAUTIONS AS REQUIRED BY ANY REGULATORY AGENCY.
- MATERIAL QUANTITIES ARE ESTIMATED FOR INFORMATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES OF REPAIRED OR REPLACED MATERIALS.
- THERE SHALL BE AT ALL TIMES, WHEN WORK IS BEING DONE, A COMPETENT PERSON WHO IS APPRISED OF THE CONDITION AND PROGRESS OF ALL AREAS OF WORK ON SITE. THIS COMPETENT PERSON SHALL BE ABLE TO SPEAK FOR AND ACT IN THE BEHALF OF THE CONTRACTOR. HE SHALL BE AWARE AND KNOWLEDGEABLE OF ALL THE SAFETY CONCERNS ON THE JOB SITE. HE SHALL BE EMPOWERED TO IMMEDIATELY AND EFFECTIVELY MITIGATE THE ACTIONS OF ANY WORKMAN ON SITE.
- CONTRACTOR SHALL PREPARE AND SUBMIT A WELDING PLAN TO THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE PRIOR TO PERFORMING ANY FIELD WELDING. FOLLOWING APPROVAL ALL WELDS SHALL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLAN.
- CONTRACTOR TO CONSTRUCT ROADS AND OTHER PAVED AREAS IN SUCH A MANNER AS TO ENSURE THAT NO AREAS RESULT IN PONDING OF WATER.

### CODE OF CONDUCT

- BURIAL CEREMONIES WILL BE SCHEDULED THROUGHOUT THE COURSE OF THIS PROJECT. COORDINATE DAILY ACTIVITIES WITH THE CEMETERY DIRECTOR OR HIS APPROVED REPRESENTATIVE TO ACCOMMODATE SCHEDULED BURIALS. CONTRACTOR SHALL OBTAIN THE SCHEDULE FOR THE NEXT DAY SERVICES PRIOR TO THE CLOSE OF BUSINESS EACH DAY. ALLOWABLE WORK TO BE DETERMINED BY THE CEMETERY DIRECTOR.
- BECAUSE OF THE SENSITIVE NATURE OF THE CEMETERY SITE, CONTRACTOR SHALL MAINTAIN EACH WORK AREA IN A CLEAN AND ORDERLY APPEARANCE. TRASH AND WASTE MATERIALS SHALL BE STORED IN APPROVED CONTAINERS AND ROUTINELY DISPOSED OFF-SITE. CLEANUP SHALL BE REQUIRED AT THE END OF EACH DAY AND/OR MORE FREQUENTLY AS REQUIRED.
- THE CONTRACTORS STAFF AND SUBCONTRACTORS STAFF SHALL NOT DRESS IN SLEEVELESS SHIRTS OR SHORT PANTS, WEAR CLOTHING WITH INAPPROPRIATE LOGOS, PLAY MUSIC, TALK LOUD, PLACE PERSONAL ITEMS ON HEADSTONES, LEAN AGAINST OR SIT ON HEADSTONES.
- THE EFFECT OF WORK ON PUBLIC ACCESS SHALL BE MINIMAL AND SHALL BE COORDINATED WITH THE CEMETERY DIRECTOR. ANY ALTERED PUBLIC TRAFFIC ROUTES SHALL BE WELL DEFINED WITH PROFESSIONALLY MADE SIGNAGE AND/OR OTHER APPROVED CONVENTIONAL METHODS.
- DO NOT WORK UPON NOR STORE ANY MATERIALS ON OCCUPIED GRAVE PLOTS. ALL EFFORT WILL BE MADE TO MAINTAIN DISTANCE FROM OCCUPIED GRAVE PLOTS.

### CONTRACTOR / AGENCY COORDINATION REQUIREMENTS

- A QUALIFIED BIOLOGIST RETAINED BY THE CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION PROTOCOL SURVEY FOR UTAH PRAIRIE DOGS (UPD) FOR SIGNS (FRESH DIGGING, BURROWS, SCAT) IDENTIFIED WITHIN THE PROJECT SITE (8.14 ACRES) HABITAT/PRESENCE WITHIN THE PROJECT SITE AS WELL AS SUITABLE HABITAT WITHIN THE 1,000-FOOT PROJECT BUFFER NO MORE THAN SEVEN DAYS PRIOR TO INITIAL CONSTRUCTION.
  - "UPD OR ITS SIGN (BURROWS, FRESH DIGGING, SCAT) IS IDENTIFIED WITHIN THE PROJECT SITE (8.14 ACRES) PRIOR TO OR DURING CONSTRUCTION, STOP WORK IMMEDIATELY UNTIL FURTHER NOTICE AND CONTACT USFWS AT 801-975-3330 TO RENAISSANCE CONSULTATION.
  - PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, ALL WORKERS WILL BE INFORMED OF THE POTENTIAL PRESENCE OF UTAH PRAIRIE DOGS WITHIN THE PROJECT SITE AND IN THE NEARBY AREAS. THE WORKERS SHALL BE INFORMED OF THE THREATENED STATUS OF THE SPECIES, IDENTIFICATION, LEGAL PROTECTIONS, AVOIDANCE AND MINIMIZATION MEASURES, BEST MANAGEMENT PRACTICES, AND APPLICABLE CONSERVATION MEASURES FOR THE PRAIRIE DOG.
  - ALL PROJECT EMPLOYEES WILL BE ADVISED AS TO THE DEFINITION OF "TAKE" AND THE POTENTIAL PENALTIES (UP TO \$200,000 IN FINES AND ONE YEAR IN PRISON) FOR TAKING A SPECIES LISTED UNDER THE ENDANGERED SPECIES ACT. TAKE IS DEFINED AS "TO HARASS, HARM, PURSUE, HUNT, SHOOT, WOUND, KILL, TRAP, CAPTURE, COLLECT, OR TO ATTEMPT TO ENGAGE IN ANY SUCH CONDUCT; MAY INCLUDE SIGNIFICANT HABITAT MODIFICATION OR DEGRADATION IF IT KILLS OR INJURES WILDLIFE BY SIGNIFICANTLY IMPAIRING ESSENTIAL BEHAVIORAL PATTERNS INCLUDING BREEDING, FEEDING, OR SHELTERING."
  - LIMIT CONSTRUCTION ACTIVITIES TO DAYLIGHT HOURS TO THE EXTENT POSSIBLE.
  - OBSERVE POSTED SPEED LIMIT SIGNS ON LOCAL ROADS AND OBSERVE A 15-MILE-PER-HOUR SPEED LIMIT ALONG INGRESS/EGRESS ROUTES.
  - PROPERLY DISPOSE OF AND REMOVE GARBAGE FROM THE CONSTRUCTION SITE AREA REGULARLY DURING THE CONSTRUCTION PERIOD.
  - CONSTRUCTION PERSONNEL WILL NOT DISCHARGE FIREARMS OR POSSESS PETS WITHIN THE PROJECT SITE AND 1,000-FOOT BUFFER.
- \*QUALIFIED BIOLOGIST (I.E. A BIOLOGIST WITH A BACHELOR'S DEGREE OR GRADUATE DEGREE IN BIOLOGY, ECOLOGY, WILDLIFE BIOLOGY, MAMMALOLOGY, OR RELATED FIELDS) OR HER/SHE MUST HAVE DEMONSTRATED PRIOR FIELD EXPERIENCE USING ACCEPTED RESOURCE AGENCY TECHNIQUES TO SURVEY FOR UTAH PRAIRIE DOGS (UPDS). A MINIMUM OF 20 HOURS OF DOCUMENTED FIELD EXPERIENCE SURVEYING AND MONITORING UPDS AND SIGNS, AND/OR COMPLETION OF THE OFFICIAL UPD TRAINING EVERY FOUR YEARS) OR CERTIFICATION AS A UPD SPECIALIST BY THE USFWS (REQUIRES COMPLETION OF UPD TRAINING).
- WHEN PRAIRIE DOG OR ITS SIGN ARE IDENTIFIED WITHIN THE 350-FOOT USFWS PROTOCOL BUFFER OF THE PROJECT SITE (8.14 ACRES), THESE ADDITIONAL CONSERVATION MEASURES WILL BE IMPLEMENTED TO AVOID AND MINIMIZE EFFECTS ON THE PRAIRIE DOG AND ITS HABITAT:
- RETAIN A QUALIFIED BIOLOGIST, BIOLOGICAL MONITOR, TO BE PRESENT DURING CONSTRUCTION ACTIVITIES WHEN WORK OCCURS WITHIN 350-FOET OF OCCUPIED PRAIRIE DOG HABITAT.
  - THE CONTRACTOR SHALL STOP WORK IF A PRAIRIE DOG IS ENCOUNTERED WITHIN THE PROJECT SITE AND PERCEIVED TO BE IN HARMS WAY. CONSTRUCTION ACTIVITIES WILL CEASE UNTIL IT IS DETERMINED THAT THE PRAIRIE DOG WILL NOT BE HARMED OR THAT IT HAS LEFT THE CONSTRUCTION AREA ON ITS OWN. THE CONTRACTOR SHALL NOTIFY USFWS AS WELL AS THE NCA COR/PM IF PRAIRIE DOGS ARE HARMED.
  - INSTALL APPROVED TEMPORARY FENCING MATERIAL PRIOR TO CONSTRUCTION ACTIVITIES WITHIN 350-FOET OF OCCUPIED PRAIRIE DOGS HABITAT TO DETER PRAIRIE DOGS FROM ENTERING THE PROJECT SITE AND AVOID ENTRAPPING PRAIRIE DOG WITHIN THE LIMITS OF CONSTRUCTION. THE FENCING WILL HAVE A MINIMUM HEIGHT OF 2 FEET FROM THE GROUND SURFACE AND BE BURIED ADEQUATELY. THE CONTRACTOR SHALL ENSURE THAT ANY CONSTRUCTION BARRIER FENCING IS MAINTAINED.
  - AVOID WILDLIFE ENTRAPMENT BY COMPLETELY COVERING, OR PROVIDING ESCAPE RAMPS FOR, ALL EXCAVATED STEEP-WALLED HOLES OR TRENCHES MORE THAN 1-FOOT-DEEP AT THE END OF EACH WORK DAY.
  - PROJECT EMPLOYEES WILL INSPECT THE WORK AREA AND ANY EQUIPMENT OR MATERIAL LEFT ON SITE OVERNIGHT FOR PRAIRIE DOGS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES EACH DAY.
  - AVOIDABLE MAINTENANCE OF CONSTRUCTION EQUIPMENT SHALL BE PERFORMED OFF-SITE LOCATION 350-FOET AWAY FROM IDENTIFIED UPD COLONIES.
  - CONTRACTOR SHALL COORDINATE WITH USFWS FOR FINAL INSPECTIONS AND APPROVALS OF THE FINAL UPD FENCING.

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4	V-102	TOPOGRAPHIC / UTILITY SURVEY W/O TREES
5	D-101	DEMOLITION PLAN
6	C-101	SITE PLAN
7	C-102	GRADING & UTILITY PLAN
8	C-103	INITIAL EROSION & SEDIMENTATION CONTROL PLAN
9	C-104	INTERMEDIATE EROSION & SEDIMENTATION CONTROL PLAN
10	C-201	ROADWAY PLAN AND PROFILE
11	C-202	STORM DRAIN PROFILES
12	C-203	SANITARY SEWER PLAN AND PROFILE
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14	C-402	ENLARGED GRADING PLAN
15	C-403	GRAVESITE NUMBERING PLAN - SECTIONS 1, 2, 3 AND 4
16	C-404	GRAVESITE NUMBERING PLAN - SECTIONS 5 AND 6
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19	C-503	SITE DETAIL 1 OF 2
20	C-504	SITE DETAIL 2 OF 2
21	C-505	EROSION CONTROL DETAILS
22	C-506	UTILITY DETAILS 1 OF 2
23	C-507	UTILITY DETAILS 2 OF 2
24	C-511	UNDERGROUND DETENTION FACILITY 1 OF 2
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33	A-202	COLUMBARIUM & MEMORIAL WALL ELEVATIONS
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45	A-510	SIGNAGE STRUCTURAL DETAILS
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52	E-601	ELECTRICAL SCHEDULES
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BURIAL SUMMARY					
BURIAL TYPE	SECTION NUMBERS	SIZE	TOTAL QUANTITY	PHASE 1 QUANTITY	ACREAGE
OSVS	SEC 1	4X10	161	34	0.18
PRVS	SEC 2	4X10	196	28	0.19
ICCS	SEC 3	4X4	2055	345	0.74
PPCS	SEC 4	3X8	2999	400	1.33
PPCS	SEC 5	3X8	N/A	414	1.33
PPCS	SEC 6	3X8	N/A	390	1.33
MEMORIALS	N/A	N/A	384	192	N/A
COLUMBARIUM NICHES	N/A	N/A	1280	320	N/A

CD1 - REDESIGN	1/22/2021
Revisions:	Date:

**CONSULTANT**

**wood.**  
Environment & Infrastructure Solutions, Inc.  
1075 BIG SHANTY ROAD, NW, SUITE 100  
KENNESAW, GEORGIA 30144 (770) 421-3400

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mrwmla.com 505 268 2266

**ARCHITECT/ENGINEER OF RECORD**

**VCI** Project Management Construction Management Engineering  
18300 East 71st Ave., Denver, CO, 80249  
504.684.4408; Sean Fitzpatrick

**STAMP**

Professional Engineer Seal for Sean Fitzpatrick, State of Utah, License No. 40436, Expires 7/22/22

**National Cemetery Administration Design and Construction Service**

**VA** U.S. Department of Veterans Affairs

**Drawing Title**  
COVERSHEET

Approved: Project Director  
Steve Davis  
Department of Veterans Affairs, NCA  
Phone: 202.632.4833  
Email: steve.davis@va.gov

**Phase**  
BID DOCUMENTS

**Location**  
Cedar City, UT

Issue Date: 7/22/2022  
Checked: TM  
Drawn: SF

**BID DOCUMENT SUBMITTAL**

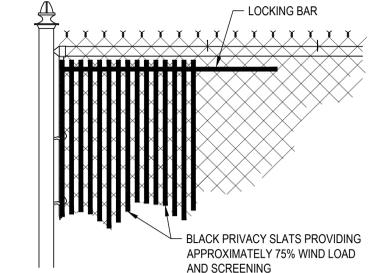
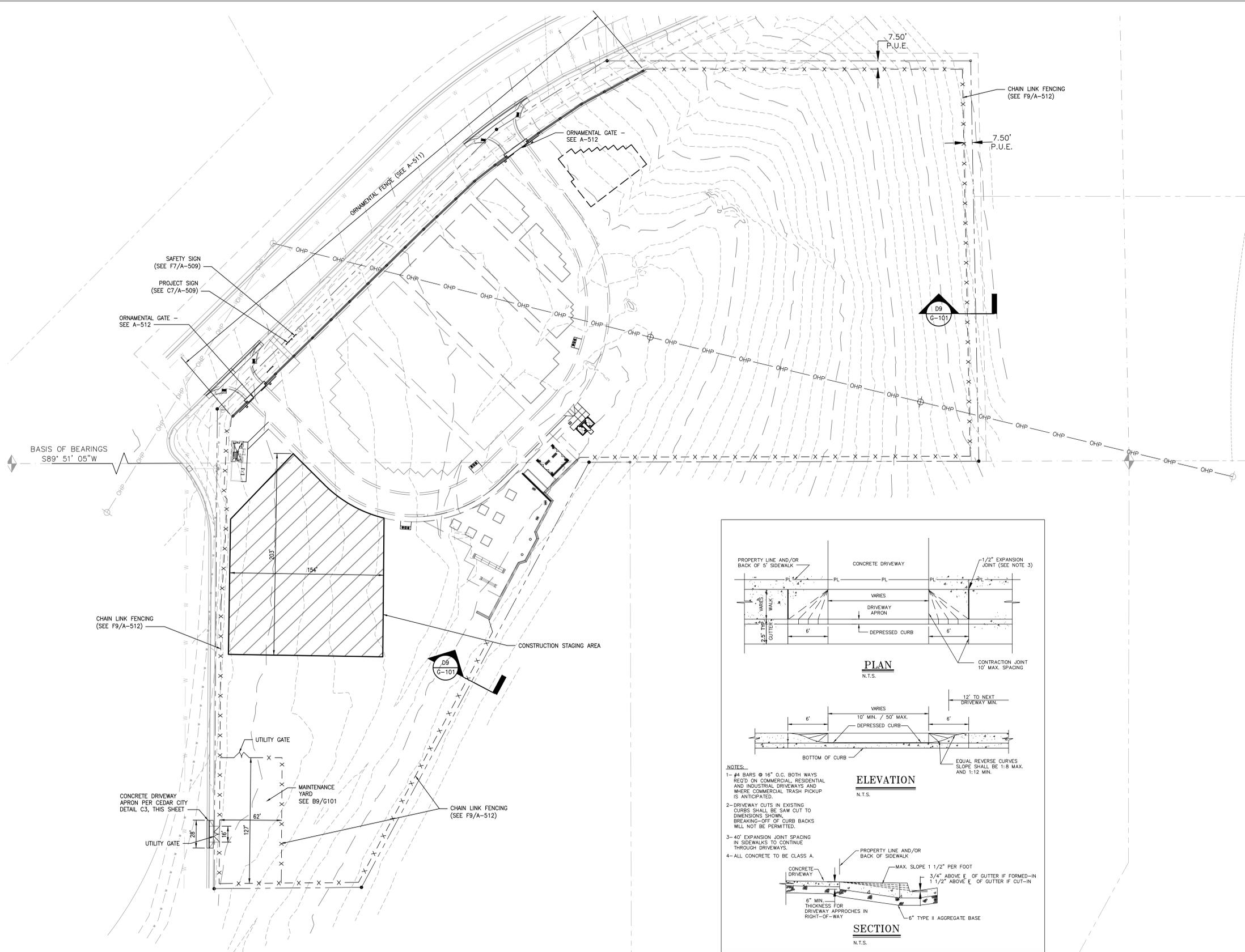
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NATIONAL CEMETERY DEVELOPMENT  
CEDAR CITY RURAL INITIATIVE

**Project Number**  
942CM3001

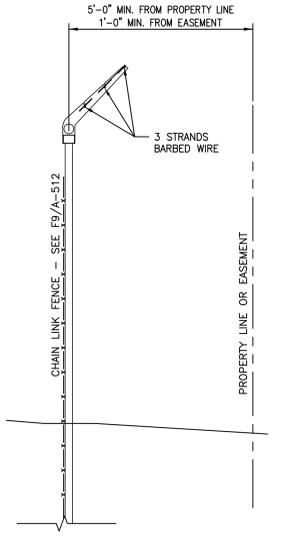
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**Drawing Number**  
G-001

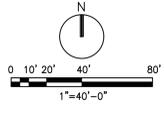
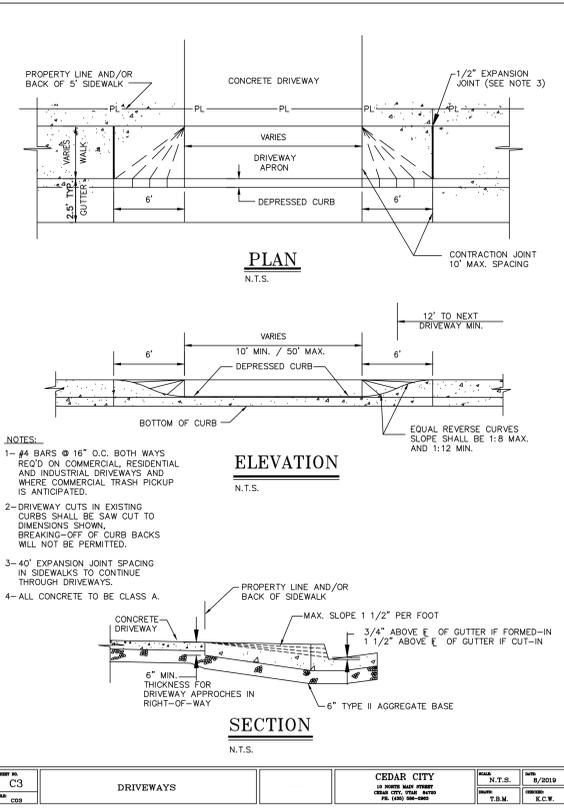
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**B9 VERTICAL PRIVACY SLATS WITH LOCKING BAR**  
 SCALE: N.T.S.  
 NOTE: PRIVACY SLATS REQUIRED ON ALL FOUR (4) SIDES OF FENCING SURROUNDING MAINTENANCE YARD, AS WELL AS TWO (2) UTILITY GATES SERVING MAINTENANCE YARD.



**D9 FENCE PLACEMENT**  
 SCALE: N.T.S.



COMMITMENT SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1- REDESIGN	1/22/2021
Revisions:	4/28/2022

**CONSULTANT**

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**MRWM**  
 LANDSCAPE ARCHITECTS

**ARCHITECT/ENGINEER OF RECORD**

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 18300 East 71st Ave., Denver, CO, 80249  
 504.684.4408; Sean Fitzpatrick



**National Cemetery Administration Design and Construction Service**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**FENCING AND CONSTRUCTION STAGING PLAN**

Approved: Project Director  
 Steve Davis  
 Department of Veterans Affairs, NCA  
 Phone: 202.632.4833  
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Phase  
**BID DOCUMENTS**

N/A

Project Title  
**NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE**

Location  
 Cedar City, UT

Issue Date  
 7/22/2022

Checked  
 CAP

Drawn  
 MJL

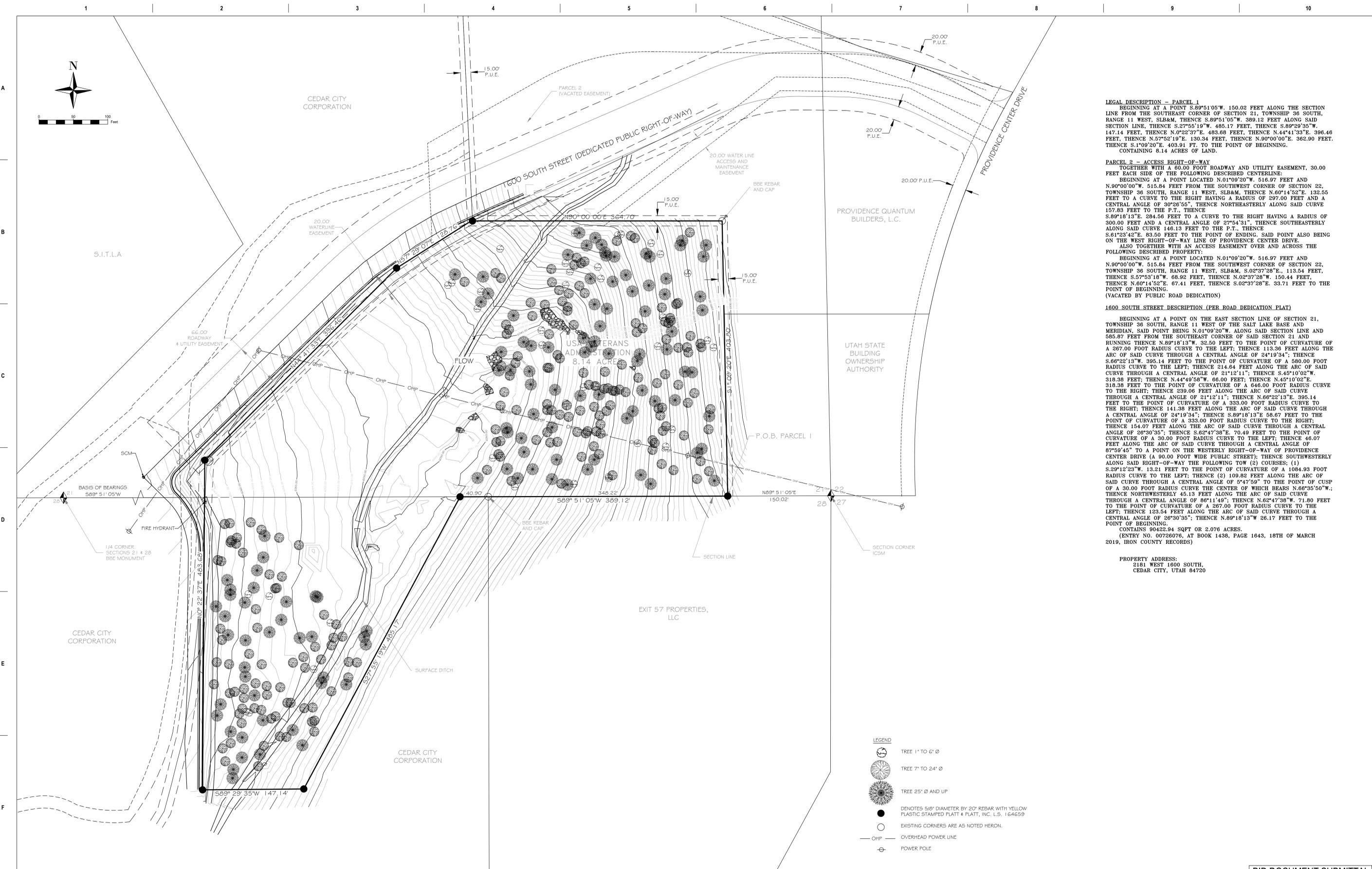
**BID DOCUMENT SUBMITTAL**

Project Number  
 942CM3001

Building Number  
 N/A

Drawing Number  
 G-101

Sheet 2 of 61



**LEGAL DESCRIPTION - PARCEL 1**  
 BEGINNING AT A POINT S.89°51'05"W. 150.02 FEET ALONG THE SECTION LINE FROM THE SOUTHEAST CORNER OF SECTION 21, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, THENCE S.89°51'05"W. 389.12 FEET ALONG SAID SECTION LINE, THENCE S.27°55'10"W. 483.17 FEET, THENCE S.89°29'35"W. 147.14 FEET, THENCE N.0°22'37"E. 483.69 FEET, THENCE N.44°41'33"E. 396.46 FEET, THENCE N.57°52'19"E. 130.34 FEET, THENCE N.90°00'00"E. 362.90 FEET, THENCE S.1°09'20"E. 403.91 FT. TO THE POINT OF BEGINNING, CONTAINING 8.14 ACRES OF LAND.

**PARCEL 2 - ACCESS RIGHT-OF-WAY**  
 TOGETHER WITH A 60.00 FOOT ROADWAY AND UTILITY EASEMENT, 30.00 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:  
 BEGINNING AT A POINT LOCATED N.01°09'20"W. 516.97 FEET AND N.90°00'00"W. 515.84 FEET FROM THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, THENCE N.60°14'52"E. 132.55 FEET TO A CURVE TO THE RIGHT HAVING A RADIUS OF 297.00 FEET AND A CENTRAL ANGLE OF 30°26'55", THENCE NORTHEASTERLY ALONG SAID CURVE 157.83 FEET TO THE P.T., THENCE S.89°18'13"E. 284.56 FEET TO A CURVE TO THE RIGHT HAVING A RADIUS OF 300.00 FEET AND A CENTRAL ANGLE OF 27°54'31", THENCE SOUTHEASTERLY ALONG SAID CURVE 146.13 FEET TO THE P.T., THENCE S.61°23'42"E. 83.50 FEET TO THE POINT OF ENDING, SAID POINT ALSO BEING ON THE WEST RIGHT-OF-WAY LINE OF PROVIDENCE CENTER DRIVE.  
 ALSO TOGETHER WITH AN ACCESS EASEMENT OVER AND ACROSS THE FOLLOWING DESCRIBED PROPERTY:  
 BEGINNING AT A POINT LOCATED N.01°09'20"W. 516.97 FEET AND N.90°00'00"W. 515.84 FEET FROM THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, S.02°37'28"E. 113.54 FEET, THENCE S.57°53'18"W. 68.92 FEET, THENCE N.02°37'28"W. 150.44 FEET, THENCE N.60°14'52"E. 67.41 FEET, THENCE S.02°37'28"E. 33.71 FEET TO THE POINT OF BEGINNING (VACATED BY PUBLIC ROAD DEDICATION)

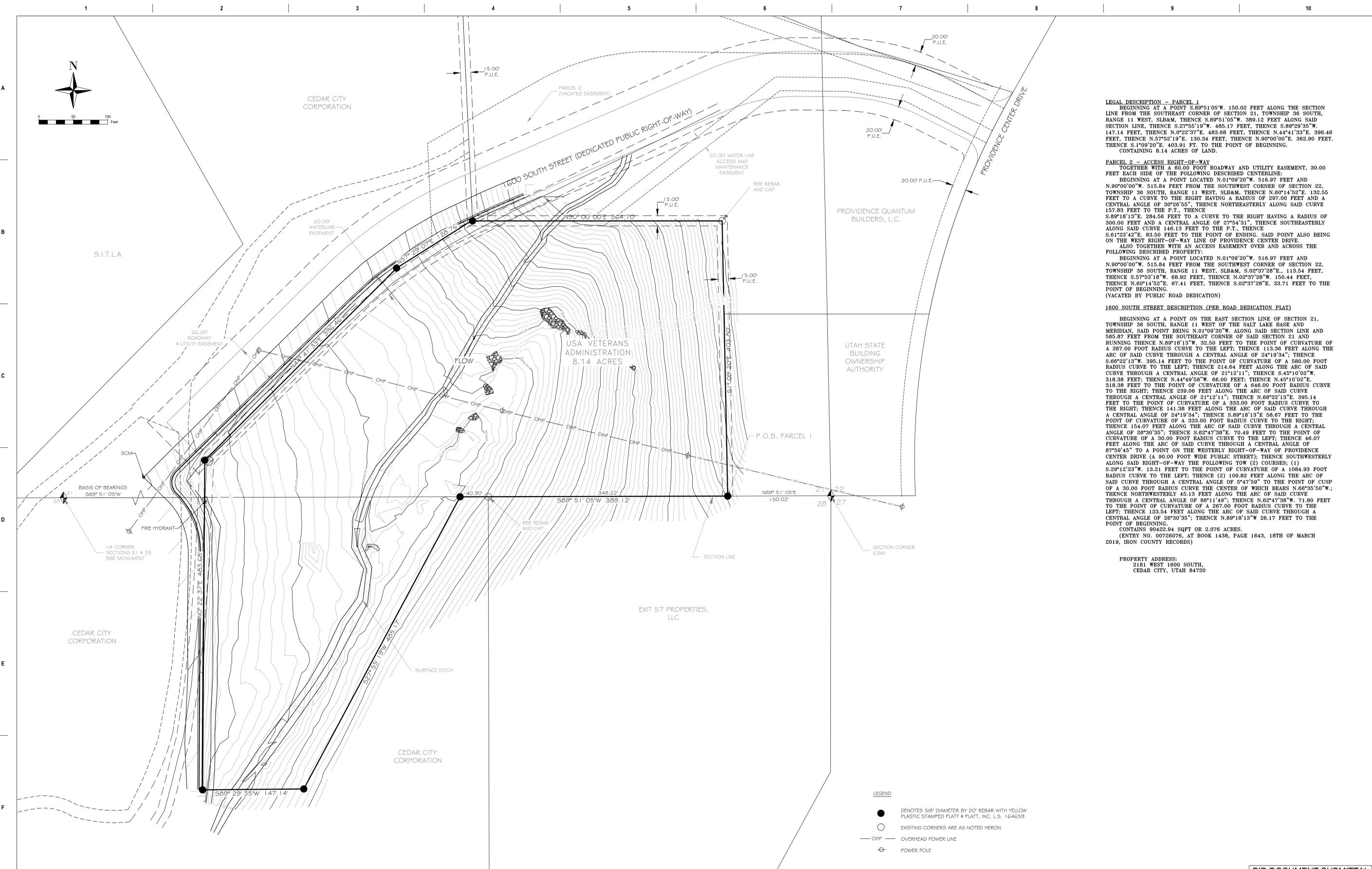
**1600 SOUTH STREET DESCRIPTION (PER ROAD DEDICATION PLAT)**  
 BEGINNING AT A POINT ON THE EAST SECTION LINE OF SECTION 21, TOWNSHIP 36 SOUTH, RANGE 11 WEST OF THE SALT LAKE BASE AND MERIDIAN, SAID POINT BEING N.01°09'20"W. ALONG SAID SECTION LINE AND 565.87 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 21 AND RUNNING THENCE N.89°18'13"W. 32.50 FEET TO THE POINT OF CURVATURE OF A 267.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 113.36 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 24°19'34"; THENCE S.66°22'13"W. 395.14 FEET TO THE POINT OF CURVATURE OF A 580.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 214.64 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 21°12'11"; THENCE S.45°10'02"W. 318.38 FEET; THENCE N.44°49'58"W. 66.00 FEET; THENCE N.45°10'02"E. 318.38 FEET TO THE POINT OF CURVATURE OF A 646.00 FOOT RADIUS CURVE TO THE RIGHT; THENCE 239.06 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 21°12'11"; THENCE N.66°22'13"E. 395.14 FEET TO THE POINT OF CURVATURE OF A 333.00 FOOT RADIUS CURVE TO THE RIGHT; THENCE 141.38 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 24°19'34"; THENCE S.89°18'13"E. 58.67 FEET TO THE POINT OF CURVATURE OF A 333.00 FOOT RADIUS CURVE TO THE RIGHT; THENCE 154.07 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 26°30'35"; THENCE S.62°47'38"E. 70.49 FEET TO THE POINT OF CURVATURE OF A 30.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 48.07 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 87°59'45" TO A POINT ON THE WESTERLY RIGHT-OF-WAY OF PROVIDENCE CENTER DRIVE (A 90.00 FOOT WIDE PUBLIC STREET); THENCE SOUTHWESTERLY ALONG SAID RIGHT-OF-WAY THE FOLLOWING TWO (2) COURSES: (1) S.29°12'23"W. 13.21 FEET TO THE POINT OF CURVATURE OF A 1084.93 FOOT RADIUS CURVE TO THE LEFT; THENCE (2) 109.82 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 5°47'59" TO THE POINT OF CURVATURE OF A 30.00 FOOT RADIUS CURVE TO THE LEFT; THENCE N.66°35'50"W. 71.80 FEET TO THE POINT OF CURVATURE OF A 267.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 123.54 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 26°30'35"; THENCE N.89°18'13"W. 26.17 FEET TO THE POINT OF BEGINNING.  
 CONTAINS 90422.94 SQFT OR 2.076 ACRES.  
 (ENTRY NO. 00726076, AT BOOK 1438, PAGE 1643, 18TH OF MARCH 2019, IRON COUNTY RECORDS)

**PROPERTY ADDRESS:**  
 2181 WEST 1600 SOUTH,  
 CEDAR CITY, UTAH 84720

- LEGEND**
- TREE 1" TO 6" Ø
  - TREE 7" TO 24" Ø
  - TREE 25" Ø AND UP
  - DENOTES 5/8" DIAMETER BY 20" REBAR WITH YELLOW PLASTIC STAMPED PLATT # PLATT, INC. L.S. 164659
  - EXISTING CORNERS ARE AS NOTED HEREON.
  - OVERHEAD POWER LINE
  - POWER POLE

**BID DOCUMENT SUBMITTAL**

CD1 - REDESIGN Revisions:	1/22/2021	<b>CONSULTANT</b>  <b>PLATT &amp; PLATT, INC.</b> CIVIL ENGINEERS & SURVEYORS 195 N. 100 E., CEDAR CITY, UTAH 84720 phone 435-586-6151 fax 435-586-8567	<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>VCI</b> Project Management Construction Management Engineering 18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick	<b>STAMP</b> 	<b>National Cemetery Administration</b> Design and Construction Service  <b>VA</b> U.S. Department of Veterans Affairs	Drawing Title <b>TOPOGRAPHIC / UTILITY SURVEY</b>  Approved: Project Director Steve Davis Department of Veterans Affairs, NCA Phone: 202.632.4833 Email: steve.davis@va.gov	Phase <b>BID DOCUMENTS</b>  N/A	Project Title <b>NATIONAL CEMETERY DEVELOPMENT</b> <b>CEDAR CITY RURAL INITIATIVE</b>  Location Cedar City, UT Issue Date 7/22/2022	Project Number <b>942CM3001</b> Building Number N/A Drawing Number <b>V-101</b> Sheet 3 of 61		
	Date:									Checked DMC	Drawn MEP



**LEGAL DESCRIPTION - PARCEL 1**  
 BEGINNING AT A POINT S.89°51'05"W. 150.02 FEET ALONG THE SECTION LINE FROM THE SOUTHEAST CORNER OF SECTION 21, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, THENCE S.89°51'05"W. 389.12 FEET ALONG SAID SECTION LINE, THENCE S.27°55'10"W. 483.17 FEET, THENCE S.89°29'35"W. 147.14 FEET, THENCE N.0°22'37"E. 483.68 FEET, THENCE N.44°41'33"E. 396.46 FEET, THENCE N.57°52'19"E. 130.34 FEET, THENCE N.90°00'00"E. 362.90 FEET, THENCE S.1°09'20"E. 403.91 FT. TO THE POINT OF BEGINNING, CONTAINING 8.14 ACRES OF LAND.

**PARCEL 2 - ACCESS RIGHT-OF-WAY**  
 TOGETHER WITH A 60.00 FOOT ROADWAY AND UTILITY EASEMENT, 30.00 FEET EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE:  
 BEGINNING AT A POINT LOCATED N.01°09'20"W. 516.97 FEET AND N.90°00'00"W. 515.84 FEET FROM THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, THENCE N.60°14'52"E. 132.55 FEET TO A CURVE TO THE RIGHT HAVING A RADIUS OF 297.00 FEET AND A CENTRAL ANGLE OF 30°26'55", THENCE NORTHEASTERLY ALONG SAID CURVE 157.83 FEET TO THE P.T., THENCE S.89°18'13"E. 284.56 FEET TO A CURVE TO THE RIGHT HAVING A RADIUS OF 300.00 FEET AND A CENTRAL ANGLE OF 27°54'31", THENCE SOUTHEASTERLY ALONG SAID CURVE 146.13 FEET TO THE P.T., THENCE S.61°23'42"E. 83.50 FEET TO THE POINT OF ENDING. SAID POINT ALSO BEING ON THE WEST RIGHT-OF-WAY LINE OF PROVIDENCE CENTER DRIVE.

ALSO TOGETHER WITH AN ACCESS EASEMENT OVER AND ACROSS THE FOLLOWING DESCRIBED PROPERTY:  
 BEGINNING AT A POINT LOCATED N.01°09'20"W. 516.97 FEET AND N.90°00'00"W. 515.84 FEET FROM THE SOUTHWEST CORNER OF SECTION 22, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, S.02°37'28"E. 113.54 FEET, THENCE S.57°53'18"W. 68.92 FEET, THENCE N.02°37'28"W. 150.44 FEET, THENCE N.60°14'52"E. 67.41 FEET, THENCE S.02°37'28"E. 33.71 FEET TO THE POINT OF BEGINNING.

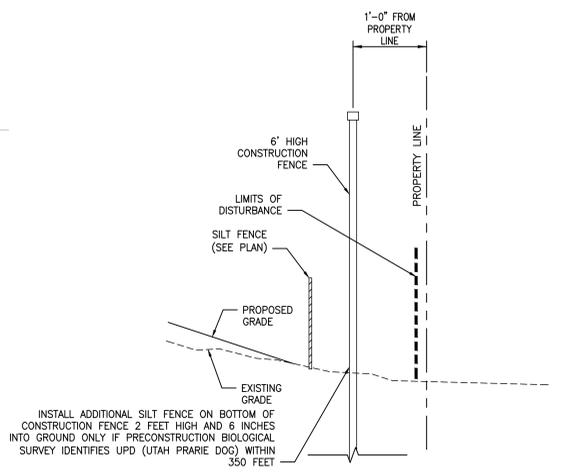
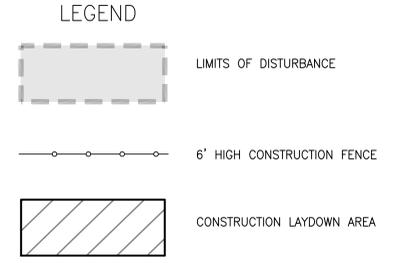
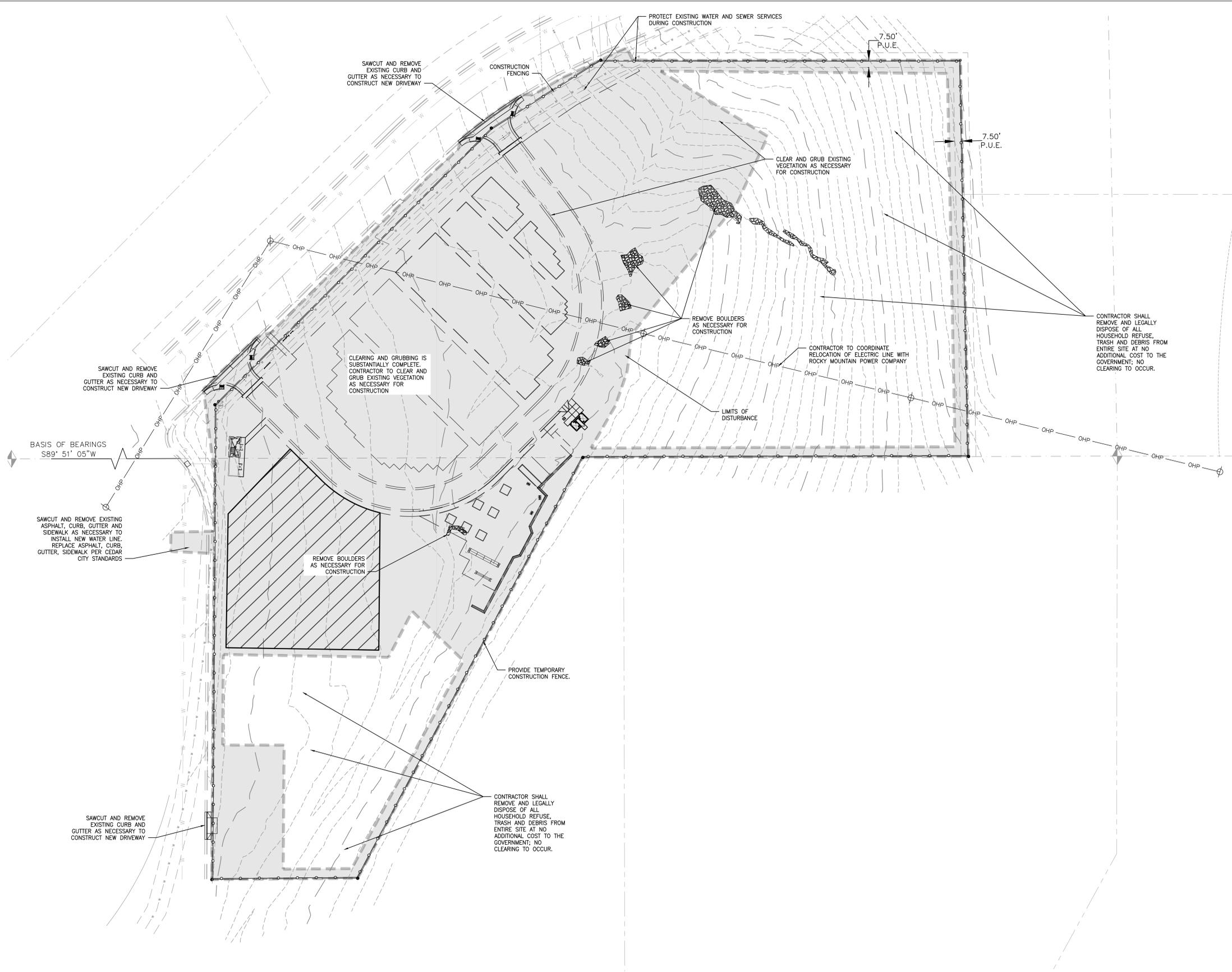
**1600 SOUTH STREET DESCRIPTION (PER ROAD DEDICATION PLAT)**  
 BEGINNING AT A POINT ON THE EAST SECTION LINE OF SECTION 21, TOWNSHIP 36 SOUTH, RANGE 11 WEST OF THE SALT LAKE BASE AND MERIDIAN, SAID POINT BEING N.01°09'20"W. ALONG SAID SECTION LINE AND 565.87 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 21 AND RUNNING THENCE N.89°18'13"W. 32.50 FEET TO THE POINT OF CURVATURE OF A 267.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 113.36 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 24°19'34"; THENCE S.66°22'13"W. 395.14 FEET TO THE POINT OF CURVATURE OF A 580.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 214.64 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 21°12'11"; THENCE S.45°10'02"W. 318.38 FEET; THENCE N.44°49'58"W. 66.00 FEET; THENCE N.45°10'02"E. 318.38 FEET TO THE POINT OF CURVATURE OF A 646.00 FOOT RADIUS CURVE TO THE RIGHT; THENCE 239.06 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 21°12'11"; THENCE N.66°22'13"E. 395.14 FEET TO THE POINT OF CURVATURE OF A 333.00 FOOT RADIUS CURVE TO THE RIGHT; THENCE 141.38 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 24°19'34"; THENCE S.89°18'13"E. 58.67 FEET TO THE POINT OF CURVATURE OF A 333.00 FOOT RADIUS CURVE TO THE RIGHT; THENCE 154.07 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 26°30'35"; THENCE S.62°47'38"E. 70.49 FEET TO THE POINT OF CURVATURE OF A 30.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 48.07 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 87°59'45" TO A POINT ON THE WESTERLY RIGHT-OF-WAY OF PROVIDENCE CENTER DRIVE (A 90.00 FOOT WIDE PUBLIC STREET); THENCE SOUTHWESTERLY ALONG SAID RIGHT-OF-WAY THE FOLLOWING TWO (2) COURSES; (1) S.29°12'23"W. 13.21 FEET TO THE POINT OF CURVATURE OF A 1084.93 FOOT RADIUS CURVE TO THE LEFT; THENCE (2) 109.82 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 5°47'59" TO THE POINT OF CURVATURE OF A 30.00 FOOT RADIUS CURVE TO THE LEFT; THENCE N.66°35'50"W. 45.13 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 86°11'49"; THENCE N.62°47'38"W. 71.80 FEET TO THE POINT OF CURVATURE OF A 267.00 FOOT RADIUS CURVE TO THE LEFT; THENCE 123.54 FEET ALONG THE ARC OF SAID CURVE THROUGH A CENTRAL ANGLE OF 26°30'35"; THENCE N.89°18'13"W. 26.17 FEET TO THE POINT OF BEGINNING.  
 CONTAINS 90422.94 SQFT OR 2.076 ACRES.  
 (ENTRY NO. 00726076, AT BOOK 1438, PAGE 1643, 18TH OF MARCH 2019, IRON COUNTY RECORDS)

**PROPERTY ADDRESS:**  
 2181 WEST 1600 SOUTH,  
 CEDAR CITY, UTAH 84720

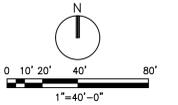
- LEGEND**
- DENOTES 5/8" DIAMETER BY 20" REBAR WITH YELLOW PLASTIC STAMPED PLATT & PLATT, INC. L.S. 164659
  - EXISTING CORNERS ARE AS NOTED HEREON.
  - OHP — OVERHEAD POWER LINE
  - ⊕ POWER POLE

**BID DOCUMENT SUBMITTAL**

CD1 - REDESIGN Revisions:	1/22/2021	<b>CONSULTANT</b>  <b>PLATT &amp; PLATT, INC.</b> CIVIL ENGINEERS & SURVEYORS 195 N. 100 E., CEDAR CITY, UTAH 84720 phone 435-586-6151 fax 435-586-8567	<b>ARCHITECT/ENGINEER OF RECORD</b>  <b>VCI</b> Project Management Construction Management Engineering 18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick	<b>STAMP</b> 	<b>National Cemetery Administration Design and Construction Service</b>  <b>VA</b> U.S. Department of Veterans Affairs	Drawing Title <b>TOPOGRAPHIC / UTILITY SURVEY W/O TREES</b>  Approved: Project Director Steve Davis Department of Veterans Affairs, NCA Phone: 202.632.4833 Email: steve.davis@va.gov	Phase <b>BID DOCUMENTS</b>  N/A	Project Title <b>NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE</b>  Location Cedar City, UT Issue Date 7/22/2022	Project Number <b>942CM3001</b> Building Number N/A Drawing Number <b>V-102</b>	Checked DMC Drawn MEP	Sheet 4 of 61
	Date:										



**D9 CONSTRUCTION FENCE**  
SCALE: N.T.S.



COMMITTAL SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1- REDESIGN	1/22/2021
Revisions:	4/28/2022

**CONSULTANT**

**wood.**  
Environment & Infrastructure Solutions, Inc.  
1075 BIG SHANTY ROAD, NW, SUITE 100  
KENNESAW, GEORGIA 30144 (770) 421-3400  
mrwmla.com 505 268 2266

**MRWM**  
LANDSCAPE ARCHITECTS

**ARCHITECT/ENGINEER OF RECORD**

**VCI** Project Management  
Construction Management  
Engineering  
18300 East 71st Ave., Denver, CO, 80249  
504.684.4408; Sean Fitzpatrick



**National Cemetery Administration Design and Construction Service**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**DEMOLITION PLAN**

Approved: Project Director  
Steve Davis  
Department of Veterans Affairs, NCA  
Phone: 202.632.4833  
Email: steve.davis@va.gov

Phase  
**BID DOCUMENTS**

N/A

Project Title  
**NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE**

Location  
Cedar City, UT

Issue Date  
7/22/2022

Checked  
CAP

Drawn  
MJL

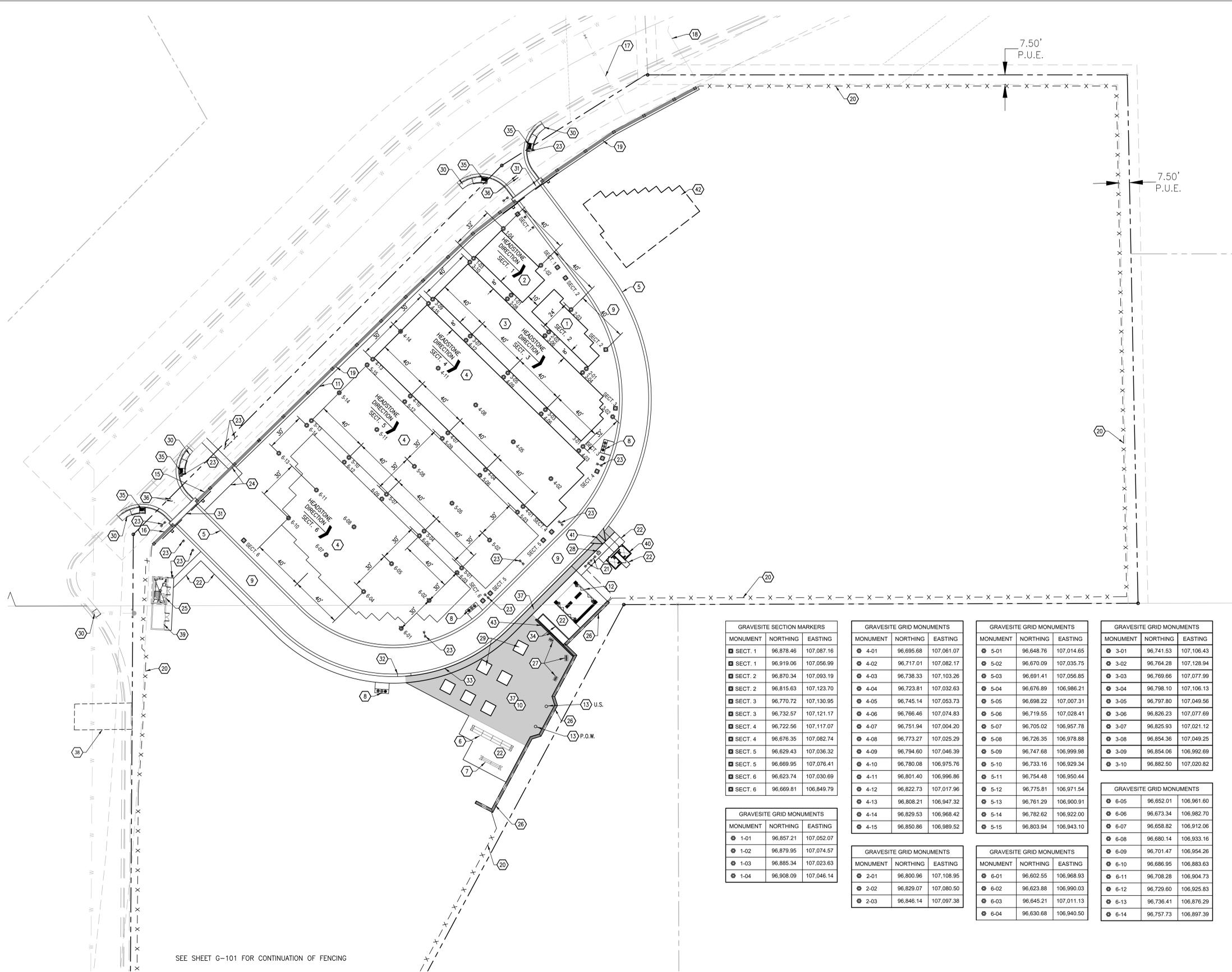
**BID DOCUMENT SUBMITTAL**

Project Number  
942CM3001

Building Number  
N/A

Drawing Number  
D-101

Sheet 5 of 61



**GENERAL NOTES**

- SEE SHEETS C-403 AND C-404 FOR GRAVESITE LAYOUT
- COORDINATES AND TOPOGRAPHIC INFORMATION TAKEN FROM ALTA/NSPS LAND TITLE SURVEY FOR U.S. DEPARTMENT OF VETERANS AFFAIRS BY PLATT & PLATT LAND SURVEYORS AND CIVIL ENGINEERS DATED AUGUST 2018. VERTICAL BASIS FOR THIS SURVEY IS THE CEDAR CITY BASE ELEVATION DATUM WHICH CORRESPONDS TO ELEVATION 5938.40 ON TOP OF THE BRASS CAP MONUMENT AT THE CENTER 1/4 CORNER OF SECTION 16. THE CEDAR CITY DATUM IS BASED ON NAVD 29.

**KEYED NOTES**

- 4'X10' PRIVATE GRAVESITES TYP.
- 4'X10' OVERSIZED DOUBLE DEPTH PRE-PLACED CRYPTS, TYP. (SEE B7/C-502)
- 4'X4' IN-GROUND CREMATED REMAINS GRAVESITES TYP.
- STANDARD DOUBLE DEPTH 3'X8' PRE-PLACED LAWN CRYPTS TYP. (SEE B7/C-501)
- 24" CONCRETE ROLL-BACK CURB AND GUTTER TYP. (SEE B6/C-503)
- DOUBLE-SIDED COLUMBARIUM WALL - 320 NICHES (SEE A-401/S-502)
- DOUBLE-SIDED MEMORIAL WALL - 192 PLAQUES (SEE A-202; A-401; S-502)
- FLOWER WATER STATION (SEE DB/LI-501)
- ROADWAY - ASPHALT (SEE B1/C-503)
- ASSEMBLY AREA
- CONCRETE MOW CURB (SEE A-511)
- COMMITAL SERVICE SHELTER (SEE C4/A-101 AND A-201)
- FLAG(S) - U.S. AND POW/MIA (SEE F5/A-101 AND E1/A-513)
- KEYNOTE NOT USED
- CEMETERY ENTRANCE SIGN (SEE C5/A-512)
- CEMETERY ENTRANCE VA LOGO AND DEDICATION PLAQUE (SEE A-506)
- EXISTING 4" DUCTILE IRON WATER
- EXISTING 6" SANITARY SEWER
- ORNAMENTAL FENCE (SEE A-511)
- CHAIN LINK FENCE (SEE F9/A-512)
- LOCATOR MAP / FLORAL REGULATIONS SIGN (SEE A-509)
- PEDESTRIAN CONCRETE PAVEMENT (SEE C5/C-503)
- SIGNAGE (SEE A-509 AND A-510)
- PEDESTRIAN ENTRY GATE AND SIDEWALK (SEE B5/A-512 AND C5/A-512)
- PUMP HOUSE (SEE A-101 AND A-201)
- RETAINING WALL (SEE S-102)
- PLAQUES ON GRANITE STONES (GETTYSBURG, BIVOUAC, PATRIOTIC SLOGAN) (SEE A-507)
- GRAVESITE LOCATOR BOX (SEE F8/A-507)
- PLANTING, TYP. (SEE LANDSCAPE PLANS)
- NEW 4-FOOT SIDEWALK PER CITY DETAIL (SEE F4/C-504)
- AUTOMATIC GATE WITH CATTLE GUARD (SEE E3/A-512)
- 10-FOOT TRANSITION TO RIBBON CURB (SEE C1/C-503)
- 24" CONCRETE RIBBON CURB (SEE B8/C-503)
- 6" HEADER CURB (SEE B3/C-503)
- NEW CURB RAMP PER CITY DETAIL (SEE F1/C-504)
- BOLLARDS WITH CARD READER (SEE 6/T-101)
- VEHICULAR CONCRETE PAVEMENT (SEE E4/C-503)
- REPAIR EXISTING SIDEWALK, CURBING, AND ASPHALT PAVING AS NECESSARY TO CEDAR CITY STANDARDS AFTER INSTALLATION OF WATER SERVICE.
- PUMP HOUSE/STORAGE BUILDING (SEE B1/A-101)
- RESTROOM BUILDING (SEE E1/A-101)
- ON-SITE CURB RAMP (SEE C9/C-504)
- UNDERGROUND DETENTION FACILITY (SEE C-511)
- TRENCH DRAIN (SEE C-302)

GRAVESITE SECTION MARKERS			GRAVESITE GRID MONUMENTS			GRAVESITE GRID MONUMENTS			GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING	MONUMENT	NORTHING	EASTING	MONUMENT	NORTHING	EASTING	MONUMENT	NORTHING	EASTING
SECT. 1	96,878.46	107,087.16	4-01	96,695.68	107,061.07	5-01	96,648.76	107,014.65	3-01	96,741.53	107,106.43
SECT. 1	96,919.06	107,056.99	4-02	96,717.01	107,082.17	5-02	96,670.09	107,035.75	3-02	96,764.28	107,128.94
SECT. 2	96,870.34	107,093.19	4-03	96,738.33	107,103.26	5-03	96,691.41	107,056.85	3-03	96,769.66	107,077.99
SECT. 2	96,815.63	107,123.70	4-04	96,723.81	107,032.63	5-04	96,676.89	106,986.21	3-04	96,798.10	107,106.13
SECT. 3	96,770.72	107,130.95	4-05	96,745.14	107,053.73	5-05	96,698.22	107,007.31	3-05	96,797.80	107,049.56
SECT. 3	96,732.57	107,121.17	4-06	96,766.46	107,074.83	5-06	96,719.55	107,028.41	3-06	96,826.23	107,077.69
SECT. 4	96,722.56	107,117.07	4-07	96,751.94	107,004.20	5-07	96,705.02	106,957.78	3-07	96,825.93	107,021.12
SECT. 4	96,676.35	107,082.74	4-08	96,773.27	107,025.29	5-08	96,726.35	106,978.88	3-08	96,854.36	107,049.25
SECT. 5	96,629.43	107,036.32	4-09	96,794.60	107,046.39	5-09	96,747.68	106,999.98	3-09	96,854.06	106,992.69
SECT. 5	96,669.95	107,076.41	4-10	96,780.08	106,975.76	5-10	96,733.16	106,929.34	3-10	96,882.50	107,020.82
SECT. 6	96,623.74	107,030.69	4-11	96,801.40	106,996.86	5-11	96,754.48	106,950.44			
SECT. 6	96,669.81	106,849.79	4-12	96,822.73	107,017.96	5-12	96,775.81	106,971.54			
			4-13	96,808.21	106,947.32	5-13	96,761.29	106,900.91			
			4-14	96,829.53	106,968.42	5-14	96,782.82	106,922.00			
			4-15	96,850.86	106,989.52	5-15	96,803.94	106,943.10			

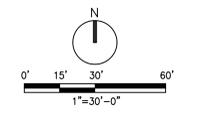
  

GRAVESITE GRID MONUMENTS			GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING	MONUMENT	NORTHING	EASTING
1-01	96,857.21	107,052.07	2-01	96,800.96	107,108.95
1-02	96,879.95	107,074.57	2-02	96,829.07	107,080.50
1-03	96,885.34	107,023.63	2-03	96,846.14	107,097.38
1-04	96,908.09	107,046.14			

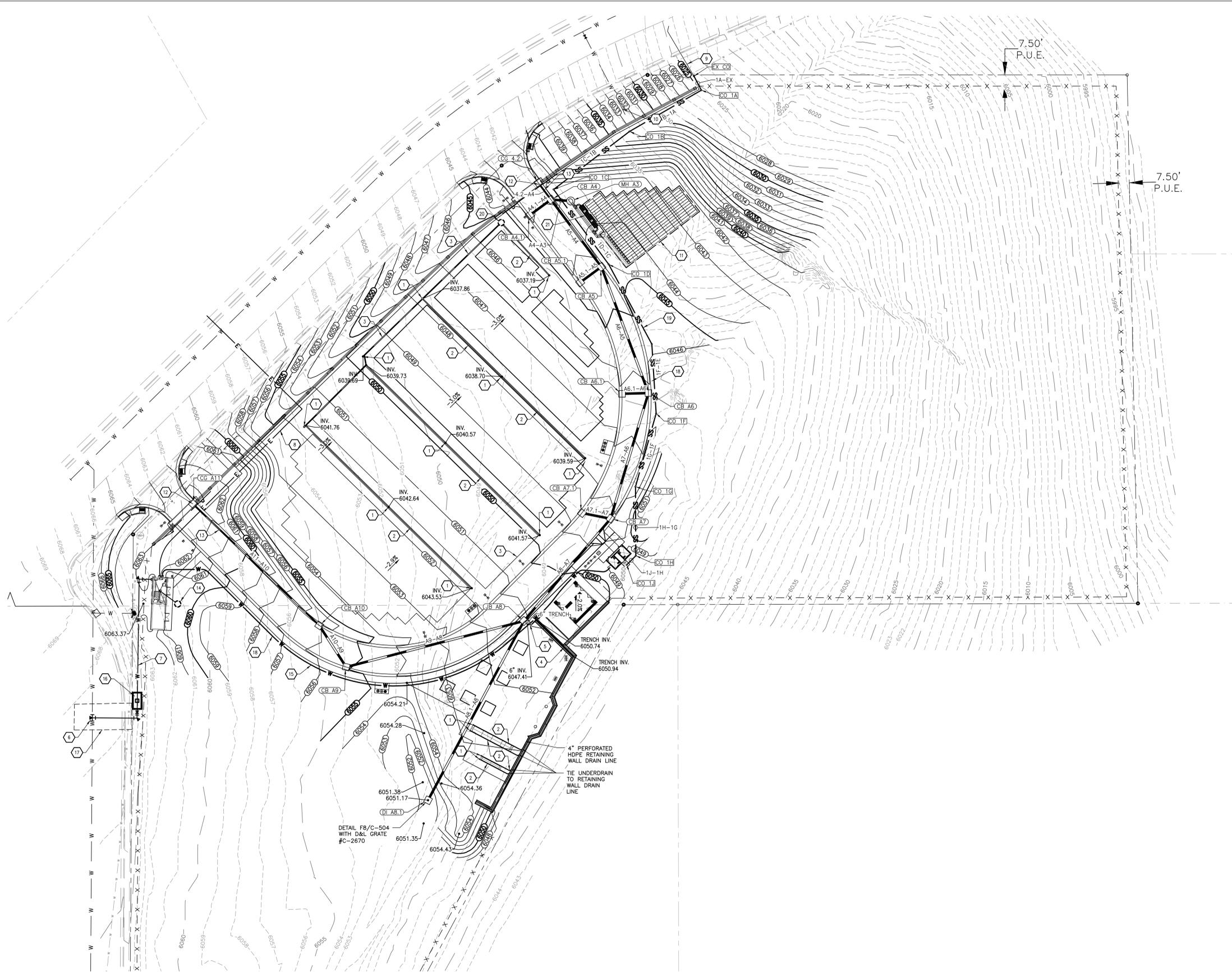
GRAVESITE GRID MONUMENTS			GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING	MONUMENT	NORTHING	EASTING
6-05	96,652.01	106,961.60	6-01	96,602.55	106,968.93
6-06	96,673.34	106,982.70	6-02	96,623.88	106,990.03
6-07	96,658.82	106,912.06	6-03	96,645.21	107,011.13
6-08	96,680.14	106,933.16	6-04	96,630.68	106,940.50
6-09	96,701.47	106,954.26			
6-10	96,686.95	106,883.63			
6-11	96,708.28	106,904.73			
6-12	96,729.60	106,925.83			
6-13	96,736.41	106,876.29			
6-14	96,757.73	106,897.39			

SEE SHEET G-101 FOR CONTINUATION OF FENCING

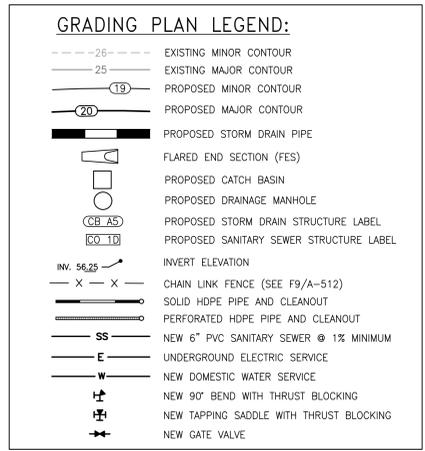


<b>CONSULTANT</b> Environment & Infrastructure Solutions, Inc. 1075 BIG SHANTY ROAD, NW, SUITE 100 KENNESAW, GEORGIA 30144 (770) 421-3400 mrwmla.com 505 268 2266		<b>ARCHITECT/ENGINEER OF RECORD</b> 		<b>ARCHITECT/ENGINEER OF RECORD</b> Project Management Construction Management Engineering 18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick		STAMP 		<b>National Cemetery Administration Design and Construction Service</b> U.S. Department of Veterans Affairs		Drawing Title <b>SITE PLAN</b> Approved: Project Director Steve Davis Department of Veterans Affairs, NCA Phone: 202.632.4833 Email: steve.davis@va.gov		Phase <b>BID DOCUMENTS</b>		Project Title <b>NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE</b>		Project Number <b>942CM3001</b>	
COMMITTAL SHELTER MODIFICATIONS 4/28/2022 ADDITION OF UNDERGROUND DETENTION FACILITY 12/15/2021 CD1- REDESIGN 1/22/2021 Revisions: 4/28/2022										Location <b>Cedar City, UT</b>		Building Number <b>N/A</b>		Drawing Number <b>C-101</b>			
										Issue Date <b>7/22/2022</b>		Checked CAP		Drawn MJL			
														Sheet <b>6</b> of <b>61</b>			

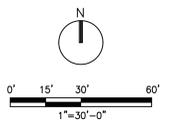
BID DOCUMENT SUBMITTAL



- KEYED NOTES**
- 4" CLEANOUT
  - 4" PERFORATED HDPE UNDERDRAIN @ 1% MINIMUM SLOPE (TYPICAL)
  - 4" SOLID HDPE @ 1% MINIMUM SLOPE (TYPICAL)
  - 4-INCH WIDE TRENCH DRAIN - ACO KLASSIKODRAIN K100 LOAD CLASS "A" WITH TYPE 451D STAINLESS STEEL LOCKING GRATE OR APPROVED EQUAL
  - 6" SOLID HDPE @ 1% MINIMUM SLOPE (TYPICAL)
  - NEW WATER SERVICE TAP (SEE C-506)
  - NEW WATER SERVICE - 3" METER WITH BACKFLOW PREVENTER, 4" SERVICE
  - NEW UNDERGROUND ELECTRIC SERVICE (SEE E-101)
  - EXISTING SANITARY SEWER SERVICE
  - EXISTING DOMESTIC WATER SERVICE
  - UNDERGROUND DETENTION FACILITY (SEE C-511)
  - TIE 12" RCP TO CATTLE GUARD
  - 12" RCP @ 1% MINIMUM
  - TIE FLOOR DRAIN TO DRY WELL (SEE F5/C-503)
  - NEW DOMESTIC 1-1/2" TYPE 'K' COPPER SERVICE (SEE C-506)
  - NEW 3" IRRIGATION METER IN VAULT (SEE C-506)
  - REPAIR EXISTING SIDEWALK, CURBING, AND ASPHALT PAVEMENT AS NECESSARY TO CEDAR CITY STANDARDS AFTER INSTALLATION OF WATER SERVICE
  - CONTRACTOR TO COORDINATE INSTALLATION OF WATER, SANITARY SEWER, ELECTRICAL, AND IRRIGATION SYSTEMS TO AVOID CONFLICTS
  - 6" PVC SANITARY SEWER @ 1% MINIMUM
  - STANDARD DRY WELL (SEE F5/C-503)
  - WATER QUALITY FILTER (SEE C-512)



- NOTES**
- CONTRACTOR TO COORDINATE INSTALLATION OF WATER, SANITARY SEWER, ELECTRICAL, AND IRRIGATION SYSTEMS TO AVOID CONFLICTS
  - ROCK EXCAVATION SHALL BE IN ACCORDANCE WITH GEOTECHNICAL ENGINEERING REPORT PREPARED BY ECS SOUTHWEST, LLP DATED APRIL 22, 2021.



COMMITMENTAL SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1 - REDESIGN	1/22/2021
Revisions:	4/28/2022

**CONSULTANT**

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mrwmla.com 505 268 2266

**MRWM**  
LANDSCAPE ARCHITECTS

**ARCHITECT/ENGINEER OF RECORD**

**VCI** Project Management  
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Engineering  
18300 East 71st Ave., Denver, CO, 80249  
504.684.4408; Sean Fitzpatrick



**National Cemetery Administration Design and Construction Service**

VA U.S. Department of Veterans Affairs

Drawing Title  
**GRADING & UTILITY PLAN**

Approved: Project Director  
Steve Davis  
Department of Veterans Affairs, NCA  
Phone: 202.632.4833  
Email: steve.davis@va.gov

Phase  
**BID DOCUMENTS**

N/A

Project Title  
**NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE**

Location  
Cedar City, UT

Issue Date  
7/22/2022

Checked

Drawn

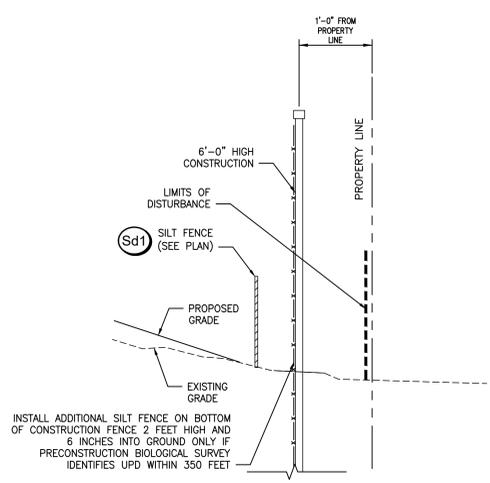
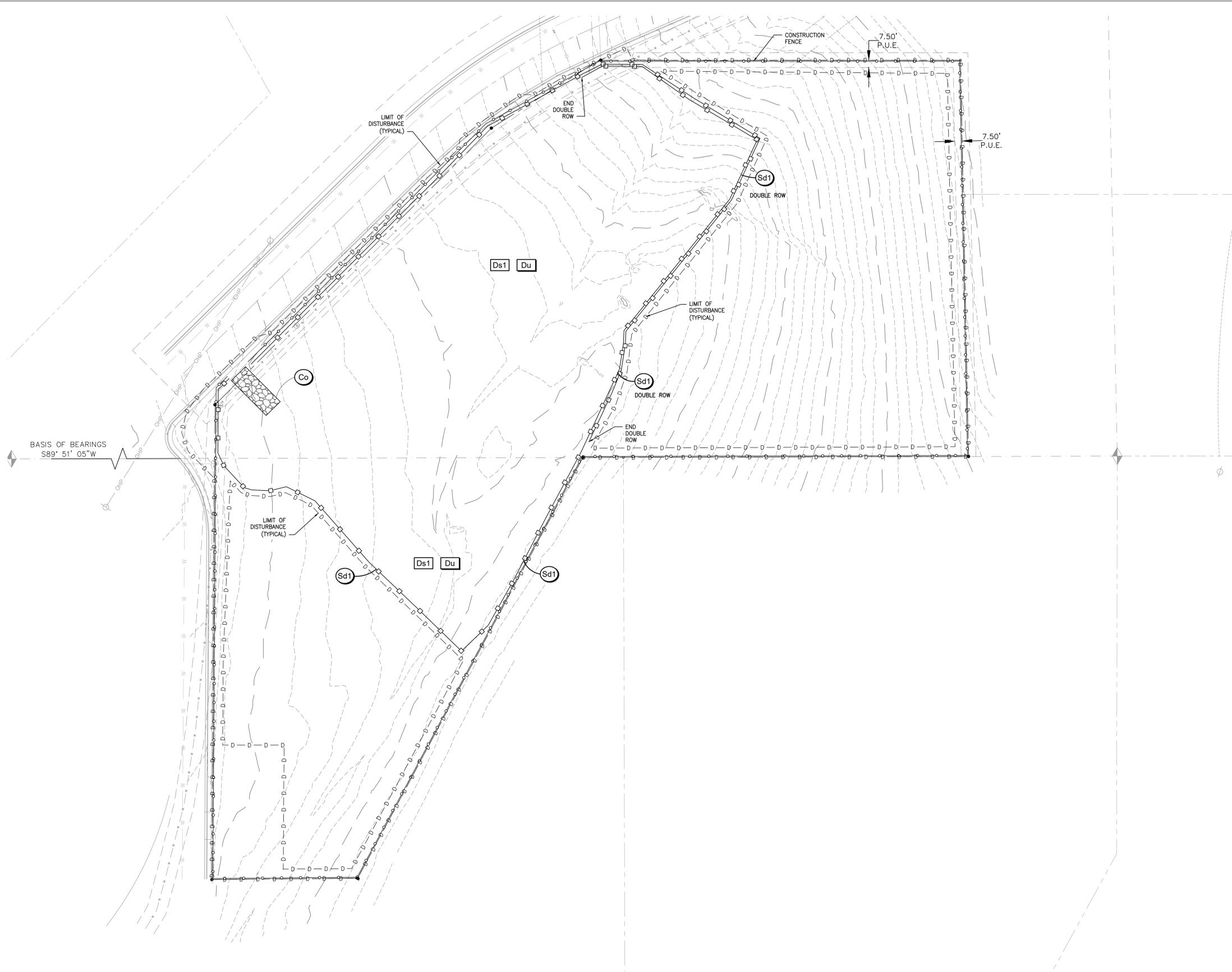
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Project Number  
942CM3001

Building Number  
N/A

Drawing Number  
C-102

Sheet 7 of 81

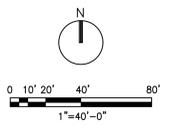


TYPICAL LIMITS OF DISTURBANCE SECTION (N.T.S.)

CODE	PRACTICE	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Ds1	DISTURBED AREA STABILIZATION (MULCHING ONLY)		ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Du	DUST CONTROL ON DISTURBED AREAS		CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS AND SIMILAR SITES.
Sd1	SEDIMENT BARRIER		A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT IS TO BE SEDIMENT FENCE. THE BARRIERS ARE USUALLY TEMPORARY.

**LEGEND:**

- SILT FENCE
- CONSTRUCTION FENCE
- LIMITS OF DISTURBANCE



COMMITTAL SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1- REDESIGN	1/22/2021
Revisions:	4/28/2022

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**MRWM**  
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**National Cemetery Administration Design and Construction Service**

**VA** U.S. Department of Veterans Affairs

Drawing Title  
**INITIAL EROSION & SEDIMENTATION CONTROL PLAN**

Approved: Project Director  
Steve Davis  
Department of Veterans Affairs, NCA  
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Phase  
BID DOCUMENTS

N/A

Project Title  
NATIONAL CEMETERY DEVELOPMENT  
CEDAR CITY RURAL INITIATIVE

Location  
Cedar City, UT

Issue Date  
7/22/2022

Checked  
CAP

Drawn  
MJL

**BID DOCUMENT SUBMITTAL**

Project Number  
942CM3001

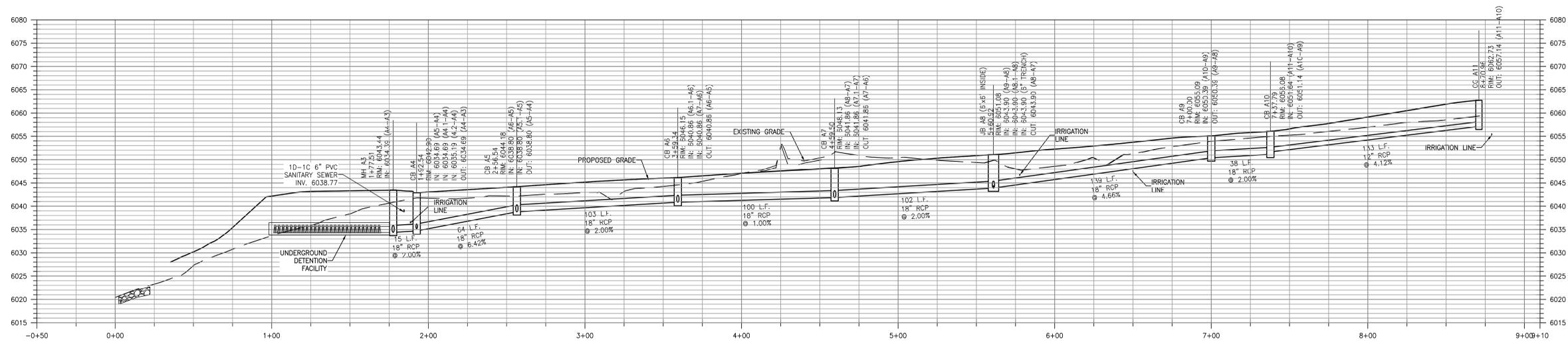
Building Number  
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Drawing Number  
C-103

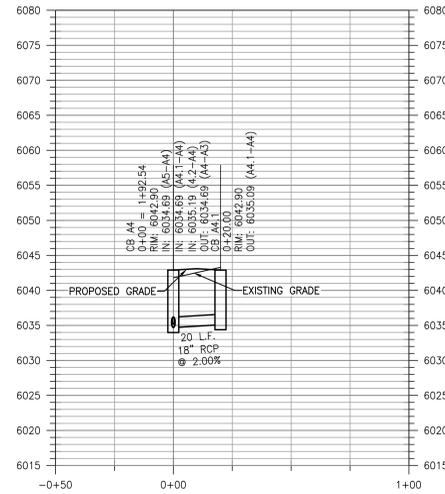
Sheet 8 of 61



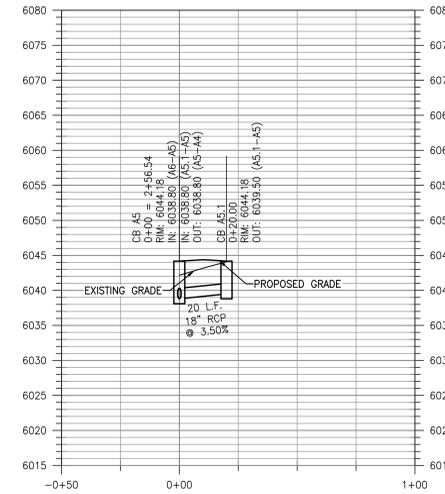




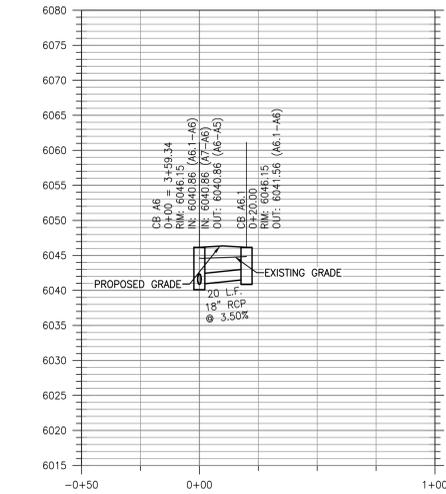
**C2) STORM LINE A PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



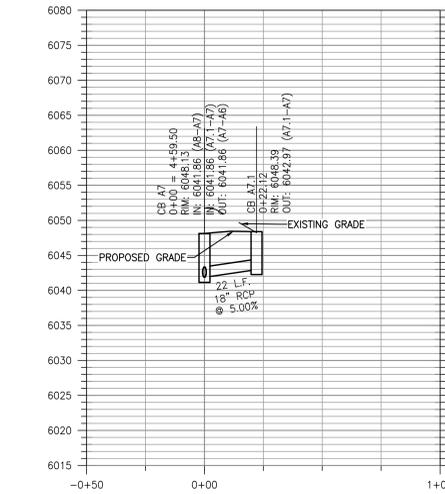
**D2) STORM LINE A4.1 PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



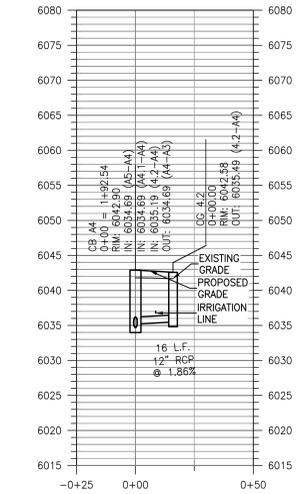
**D4) STORM LINE A5.1 PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



**D6) STORM LINE A6.1 PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



**D8) STORM LINE A7.1 PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



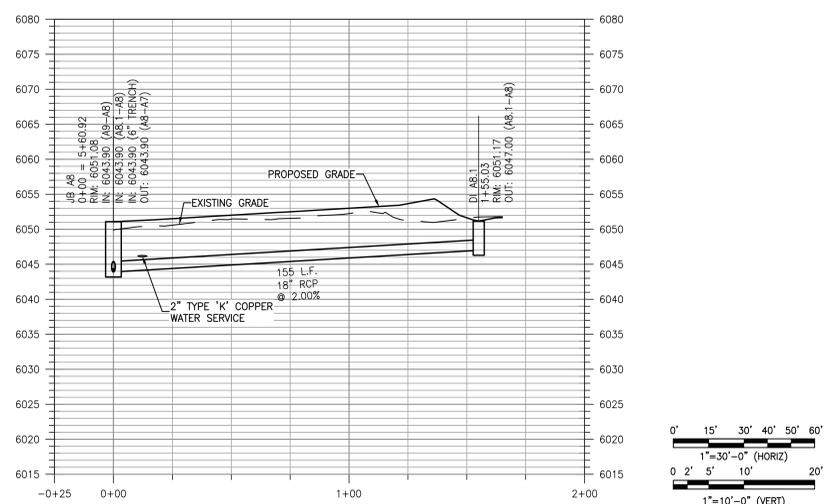
**D9) STORM LINE A4.2 PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)

PIPE ID	SIZE	LENGTH	SLOPE	INV UP	INV DN	MAT'L
A10-A9	18"	32.673	2.00%	6051.14	6050.39	RCP
A9-A8	18"	133.492	4.66%	6050.39	6043.90	RCP
A8-A7	18"	96.997	2.00%	6043.90	6041.86	RCP
A7-A6	18"	95.990	1.00%	6041.86	6040.86	RCP
A6-A5	18"	98.596	2.00%	6040.86	6038.80	RCP
A4-A3	18"	10.328	2.00%	6034.69	6034.39	RCP
A4.1-A4	18"	16.042	2.00%	6035.09	6034.69	RCP
A5-A4	18"	60.245	6.42%	6038.80	6034.69	RCP
A7.1-A7	18"	17.733	5.00%	6042.97	6041.86	RCP
A5.1-A5	18"	16.072	3.50%	6039.50	6038.80	RCP
A6.1-A6	18"	16.076	3.50%	6041.56	6040.86	RCP
A8.1-A8	18"	149.950	2.00%	6047.00	6043.90	RCP
4.2-A4	12"	12.470	1.86%	6035.49	6035.19	RCP
A11-A10	12"	129.630	4.12%	6057.14	6051.64	RCP
6" TRENCH	6"	3.440	33.64%	6046.06	6043.90	HDPE

**F6) STORM DRAIN PIPE CHART**  
SCALE: NONE

STRUCTURE ID:	NORTHING	EASTING	RIM
CG A11	96697.75	106811.43	6062.73
CB A10	96604.97	106906.96	6056.08
CB A9	96573.16	106927.35	6055.09
DI A8.1	96471.36	106989.31	6051.17
JB A8	96608.35	107061.90	6051.08
CB A7.1	96690.81	107105.74	6048.39
CB A7	96686.47	107127.43	6048.13
CB A6.1	96781.92	107136.10	6046.15
CB A6	96782.50	107156.09	6046.15
CB A5.1	96866.99	107104.40	6044.18
CB A5	96878.92	107120.45	6044.18
MH A3	96929.24	107097.27	6043.44
CB A4.1	96918.37	107066.22	6042.90
CB A4	96930.30	107082.28	6042.90
CG 4.2	96943.09	107072.77	6042.58

**F4) STORM DRAIN STRUCTURE CHART**  
SCALE: NONE



**F7) STORM LINE A8.1 PROFILE**  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)

COMMITMENT SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1- REDESIGN	1/22/2021
Revisions:	4/28/2022

**CONSULTANT**

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**ARCHITECT/ENGINEER OF RECORD**

**MRWM**  
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504.684.4408; Sean Fitzpatrick

**STAMP**

National Cemetery Administration  
Design and Construction Service  
U.S. Department of Veterans Affairs

Drawing Title  
**STORM DRAIN PROFILES**

Approved: Project Director  
Steve Davis  
Department of Veterans Affairs, NCA  
Phone: 202.632.4833  
Email: steve.davis@va.gov

Phase  
**BID DOCUMENTS**

N/A

**BID DOCUMENT SUBMITTAL**

Project Title  
NATIONAL CEMETERY DEVELOPMENT  
CEDAR CITY RURAL INITIATIVE

Project Number  
942CM3001

Building Number  
N/A

Drawing Number  
C-202

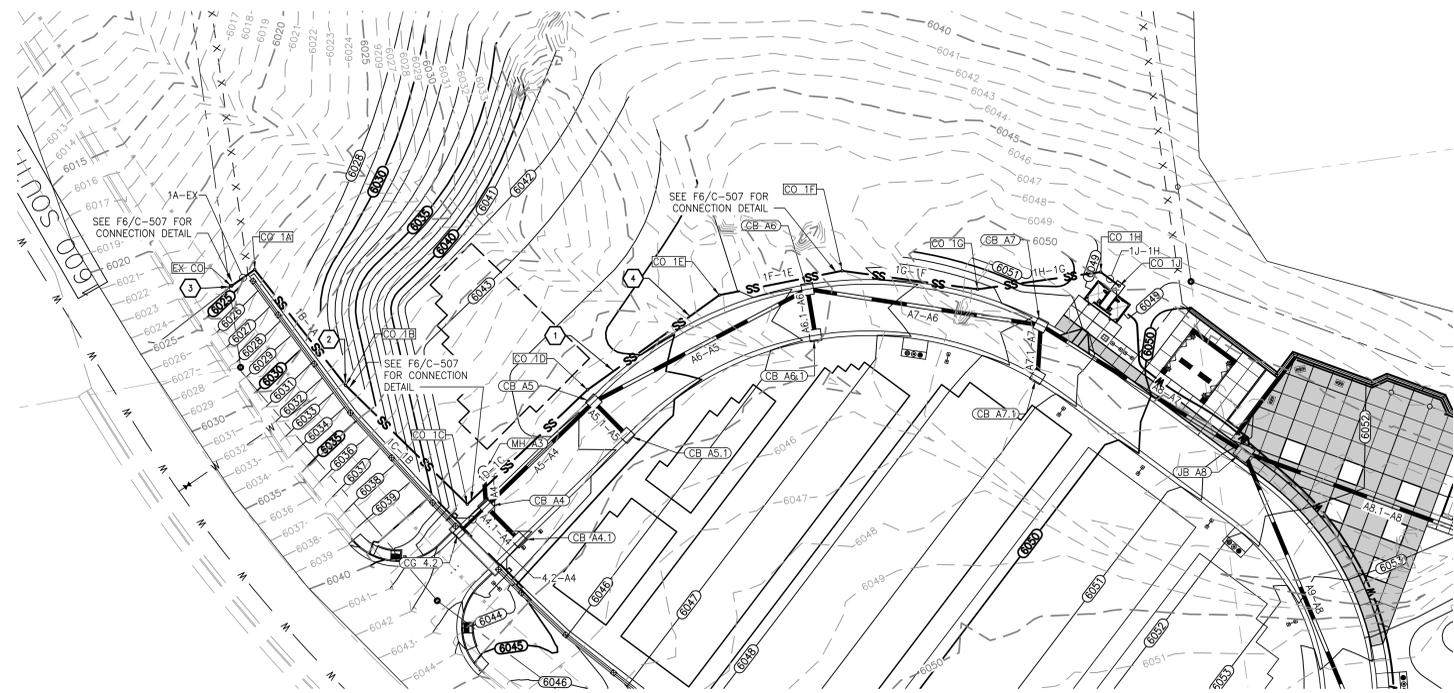
Location  
Cedar City, UT

Issue Date  
7/22/2022

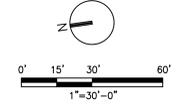
Checked  
CAP

Drawn  
MJL

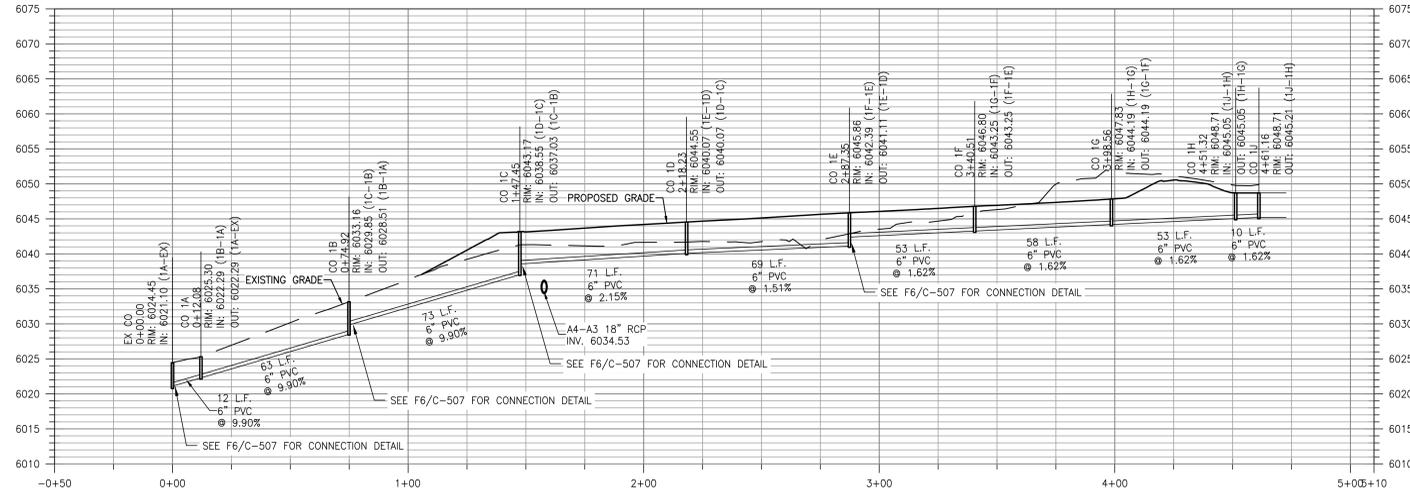
Sheet 11 of 61



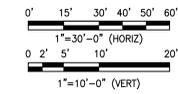
**C2** SANITARY SEWER LINE 1 PLAN  
SCALE: 1" = 30'



- KEYED NOTES**
- 6" PVC SANITARY SEWER @ 1% MINIMUM
  - 6" PVC SANITARY SEWER CLEANOUT (TYP.)
  - TIE TO EXISTING SANITARY SEWER SERVICE
  - CONTRACTOR TO COORDINATE INSTALLATION OF WATER, SANITARY SEWER, ELECTRICAL, AND IRRIGATION SYSTEMS TO AVOID CONFLICTS



**E2** SANITARY SEWER LINE 1 PROFILE  
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



- GRADING PLAN LEGEND:**
- 26- EXISTING MINOR CONTOUR
  - 25- EXISTING MAJOR CONTOUR
  - (19) PROPOSED MINOR CONTOUR
  - (20) PROPOSED MAJOR CONTOUR
  - PROPOSED STORM DRAIN PIPE
  - FLARED END SECTION (FES)
  - PROPOSED CATCH BASIN
  - PROPOSED DRAINAGE MANHOLE
  - (CB A7.1) PROPOSED STORM DRAIN STRUCTURE LABEL
  - (CO 13) PROPOSED SANITARY SEWER STRUCTURE LABEL
  - (CO 16) NEW 6" PVC SANITARY SEWER CLEANOUT
  - SOLID HDPE PIPE AND CLEANOUT
  - PERFORATED HDPE PIPE AND CLEANOUT
  - UNDERGROUND ELECTRIC SERVICE
  - SS NEW 6" PVC SANITARY SEWER @ 1% MINIMUM
  - W NEW DOMESTIC WATER SERVICE
  - NEW 90° BEND WITH THRUST BLOCKING
  - NEW TAPPING SADDLE WITH THRUST BLOCKING
  - NEW GATE VALVE

COMMITTAL SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1- REDESIGN	1/22/2021
Revisions:	4/28/2022

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National Cemetery Administration  
Design and Construction Service  
VA U.S. Department of Veterans Affairs

Drawing Title  
**SANITARY SEWER PLAN AND PROFILE**

Approved: Project Director  
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Phase  
BID DOCUMENTS

N/A

Project Title  
NATIONAL CEMETERY DEVELOPMENT  
CEDAR CITY RURAL INITIATIVE

Location  
Cedar City, UT

Issue Date  
7/22/2022

Checked  
CAP

Drawn  
MJL

**BID DOCUMENT SUBMITTAL**

Project Number  
942CM3001

Building Number  
N/A

Drawing Number  
C-203

Sheet 12 of 61

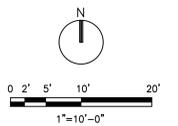


- KEYED NOTES**
- 4" CLEANOUT (SEE D5/C-501)
  - 4" PERFORATED HDPE UNDERDRAIN @ 1% MIN. SLOPE (TYPICAL) (SEE 3&6/S-502)
  - 4-INCH WIDE TRENCH DRAIN - ACO KLASSIKDRAIN K100 LOAD CLASS "A" WITH TYPE 451D STAINLESS STEEL GRATE OR APPROVED EQUAL (SEE B3/C-503)
  - 6" SOLID HDPE @ 1% MIN. SLOPE - CONNECT TO END OF TRENCH DRAIN SYSTEM PER MANUFACTURER RECOMMENDATIONS. (TYPICAL)
  - 4" SOLID HDPE @ 1% MIN. SLOPE
  - TIE SANITARY SEWER TO RESTROOM PLUMBING
  - TIE 1-1/2" TYPE "K" COPPER WATER SERVICE TO RESTROOM PLUMBING

- GRADING PLAN LEGEND:**
- 26--- EXISTING MINOR CONTOUR
  - 25--- EXISTING MAJOR CONTOUR
  - 19--- PROPOSED MINOR CONTOUR
  - 20--- PROPOSED MAJOR CONTOUR
  - X - X - X - PROPOSED CHAIN LINK FENCE (SEE A-512)
  - ▬▬▬▬▬ PROPOSED STORM DRAIN PIPE
  - ▬▬▬▬▬ FLARED END SECTION (FES)
  - PROPOSED CATCH BASIN
  - PROPOSED DRAINAGE MANHOLE
  - CB A5 PROPOSED STORM DRAIN STRUCTURE LABEL
  - CO 19 PROPOSED SANITARY SEWER STRUCTURE LABEL
  - INV. 56.25 INVERT ELEVATION
  - CO 16 NEW 6" PVC SANITARY SEWER CLEANOUT
  - SS NEW 6" PVC SANITARY SEWER @ 1% MINIMUM
  - ▬▬▬▬▬ SOLID HDPE PIPE AND CLEANOUT
  - ▬▬▬▬▬ PERFORATED HDPE PIPE AND CLEANOUT
  - E UNDERGROUND ELECTRIC SERVICE
  - W NEW 1-1/2" TYPE "K" COPPER DOMESTIC WATER SERVICE
  - ▬▬▬▬▬ 6" HIGH RAISED STAGE

M A T C H   L I N E

M A T C H   L I N E



COMMITTAL SHELTER MODIFICATIONS	4/28/2022
ADDITION OF UNDERGROUND DETENTION FACILITY	12/15/2021
CD1- REDESIGN	1/22/2021
Revisions:	4/28/2022

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504.684.4408; Sean Fitzpatrick



**National Cemetery Administration Design and Construction Service**

VA U.S. Department of Veterans Affairs

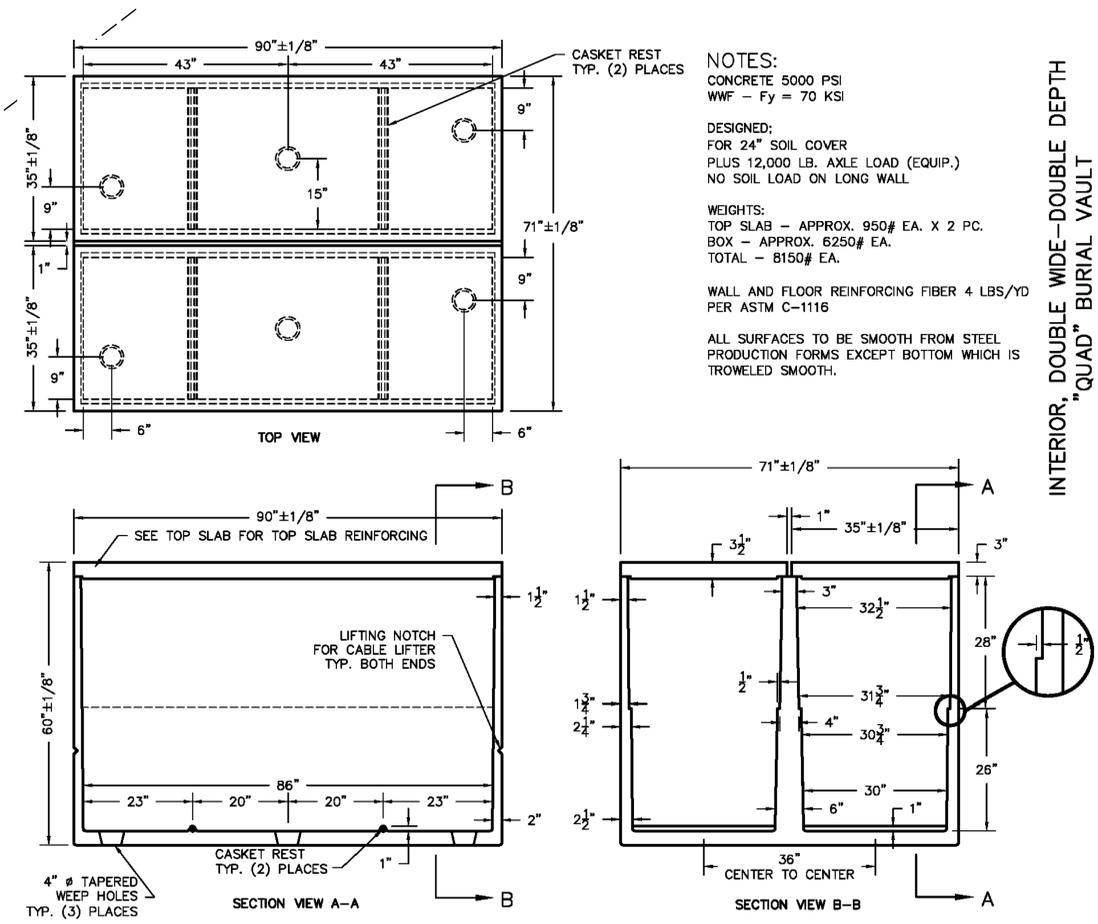
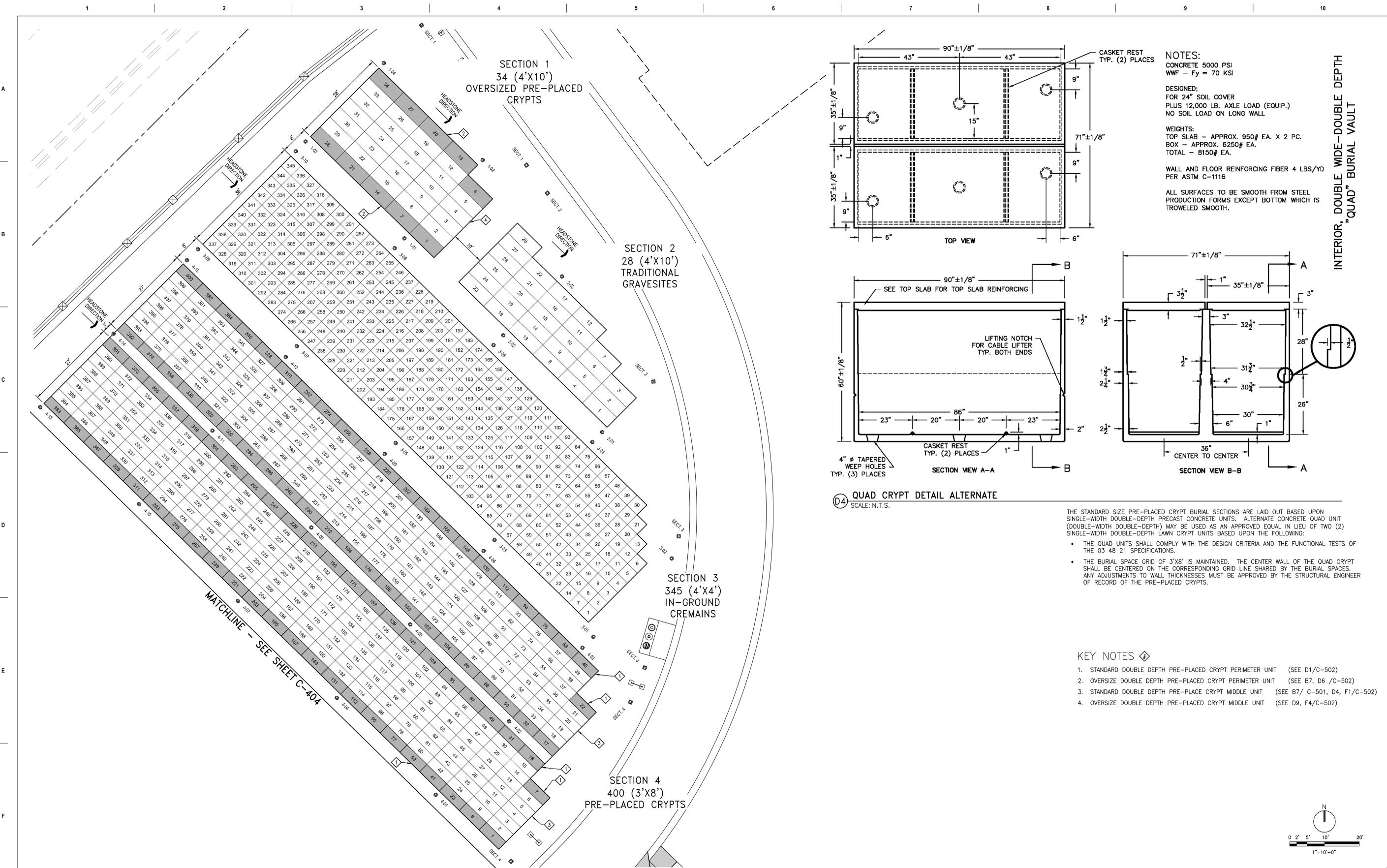
Drawing Title  
**ENLARGED GRADING PLAN**

Approved: Project Director  
Steve Davis  
Department of Veterans Affairs, NCA  
Phone: 202.632.4833  
Email: steve.davis@va.gov

Phase  
BID DOCUMENTS

N/A

Project Title NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE		Project Number 942CM3001
Location Cedar City, UT		Building Number N/A
Issue Date 7/22/2022	Checked CAP	Drawn MJL
Drawing Number C-402		Sheet 14 of 61



**NOTES:**  
 CONCRETE 5000 PSI  
 WWF - Fy = 70 KSI

**DESIGNED:**  
 FOR 24" SOIL COVER  
 PLUS 12,000 LB. AXLE LOAD (EQUIP.)  
 NO SOIL LOAD ON LONG WALL

**WEIGHTS:**  
 TOP SLAB - APPROX. 950# EA. X 2 PC.  
 BOX - APPROX. 6250# EA.  
 TOTAL - 8150# EA.

WALL AND FLOOR REINFORCING FIBER 4 LBS/YD  
 PER ASTM C-1116

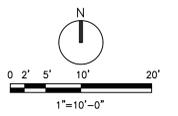
ALL SURFACES TO BE SMOOTH FROM STEEL  
 PRODUCTION FORMS EXCEPT BOTTOM WHICH IS  
 TROWELED SMOOTH.

**Q4 QUAD CRYPT DETAIL ALTERNATE**  
 SCALE: N.T.S.

THE STANDARD SIZE PRE-PLACED CRYPT BURIAL SECTIONS ARE LAID OUT BASED UPON SINGLE-WIDTH DOUBLE-DEPTH PRECAST CONCRETE UNITS. ALTERNATE CONCRETE QUAD UNIT (DOUBLE-WIDTH DOUBLE-DEPTH) MAY BE USED AS AN APPROVED EQUAL IN LIEU OF TWO (2) SINGLE-WIDTH DOUBLE-DEPTH LAWN CRYPT UNITS BASED UPON THE FOLLOWING:

- THE QUAD UNITS SHALL COMPLY WITH THE DESIGN CRITERIA AND THE FUNCTIONAL TESTS OF THE 03 48 21 SPECIFICATIONS.
- THE BURIAL SPACE GRID OF 3'X8' IS MAINTAINED. THE CENTER WALL OF THE QUAD CRYPT SHALL BE CENTERED ON THE CORRESPONDING GRID LINE SHARED BY THE BURIAL SPACES. ANY ADJUSTMENTS TO WALL THICKNESSES MUST BE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD OF THE PRE-PLACED CRYPTS.

- KEY NOTES**
- STANDARD DOUBLE DEPTH PRE-PLACED CRYPT PERIMETER UNIT (SEE D1/C-502)
  - OVERSIZE DOUBLE DEPTH PRE-PLACED CRYPT PERIMETER UNIT (SEE B7, D6 /C-502)
  - STANDARD DOUBLE DEPTH PRE-PLACE CRYPT MIDDLE UNIT (SEE B7/ C-501, D4, F1/C-502)
  - OVERSIZE DOUBLE DEPTH PRE-PLACED CRYPT MIDDLE UNIT (SEE D9, F4/C-502)



COMMITMENTAL SHELTER MODIFICATIONS	4/28/2022
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CD1 - REDESIGN	1/22/2021
Revisions:	4/28/2022

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**MRWM**  
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**National Cemetery Administration**  
 Design and Construction Service  
 VA U.S. Department of Veterans Affairs

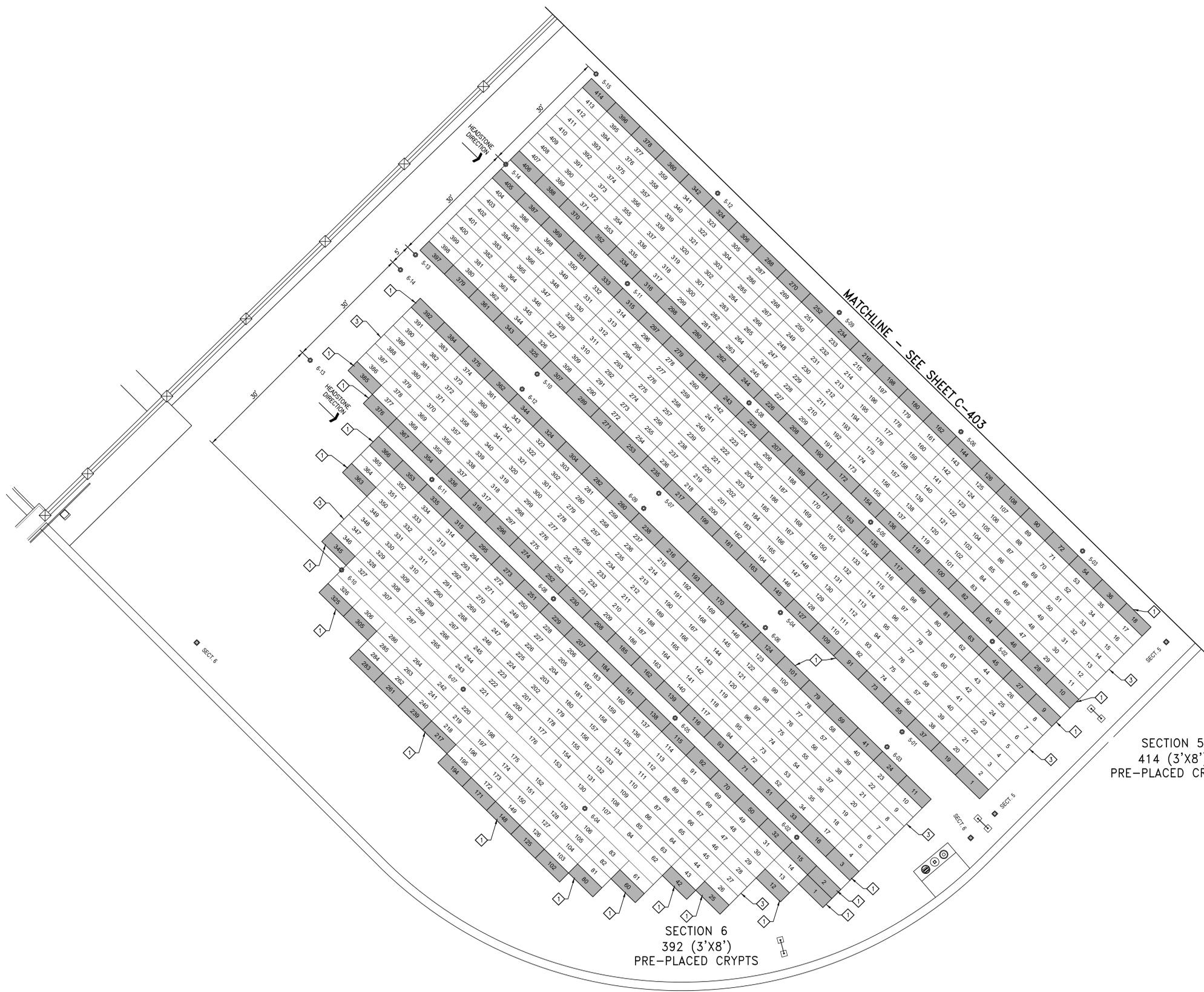
Drawing Title  
**GRAVESITE NUMBERING PLAN - SECTIONS 1, 2, 3 AND 4**

Approved: Project Director  
 Steve Davis  
 Department of Veterans Affairs, NCA  
 Phone: 202.632.4833  
 Email: steve.davis@va.gov

Phase  
**BID DOCUMENTS**

N/A

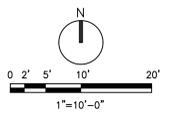
Project Title NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE	Project Number 942CM3001
Location Cedar City, UT	Building Number N/A
Issue Date 7/22/2022	Checked CAP
Drawn MJL	Drawing Number C-403
Sheet 15 of 61	



SECTION 5  
414 (3'x8')  
PRE-PLACED CRYPTS

SECTION 6  
392 (3'x8')  
PRE-PLACED CRYPTS

- KEY NOTES
1. STANDARD DOUBLE DEPTH PRE-PLACED CRYPT PERIMETER UNIT (SEE D1/C-502)
  2. NOT USED
  3. STANDARD DOUBLE DEPTH PRE-PLACE CRYPT MIDDLE UNIT (SEE B7/ C-501, D4, F1/C-502)
  4. NOT USED



BID DOCUMENT SUBMITTAL

COMMITTEAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1 - REDESIGN Revisions:		4/28/2022 12/15/2021 1/22/2021 4/28/2022	<b>CONSULTANT</b>   Environment & Infrastructure Solutions, Inc. 1075 BIG SHANTY ROAD, NW, SUITE 100 KENNESAW, GEORGIA 30144 (770) 421-3400 mrwmla.com 505 268 2266	<b>ARCHITECT/ENGINEER OF RECORD</b>   Project Management Construction Management Engineering 16300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick	STAMP  	National Cemetery Administration Design and Construction Service  U.S. Department of Veterans Affairs	Drawing Title <b>GRAVESITE NUMBERING PLAN -          SECTIONS 5 AND 6</b>  Approved: Project Director Steve Davis Department of Veterans Affairs, NCA Phone: 202.632.4833 Email: steve.davis@va.gov	Phase BID DOCUMENTS  N/A	Project Title NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE  Location Cedar City, UT Issue Date 7/22/2022	Project Number 942CM3001 Building Number N/A Drawing Number <b>C-404</b> Sheet 16 of 61	Checked CAP Drawn MJL
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