

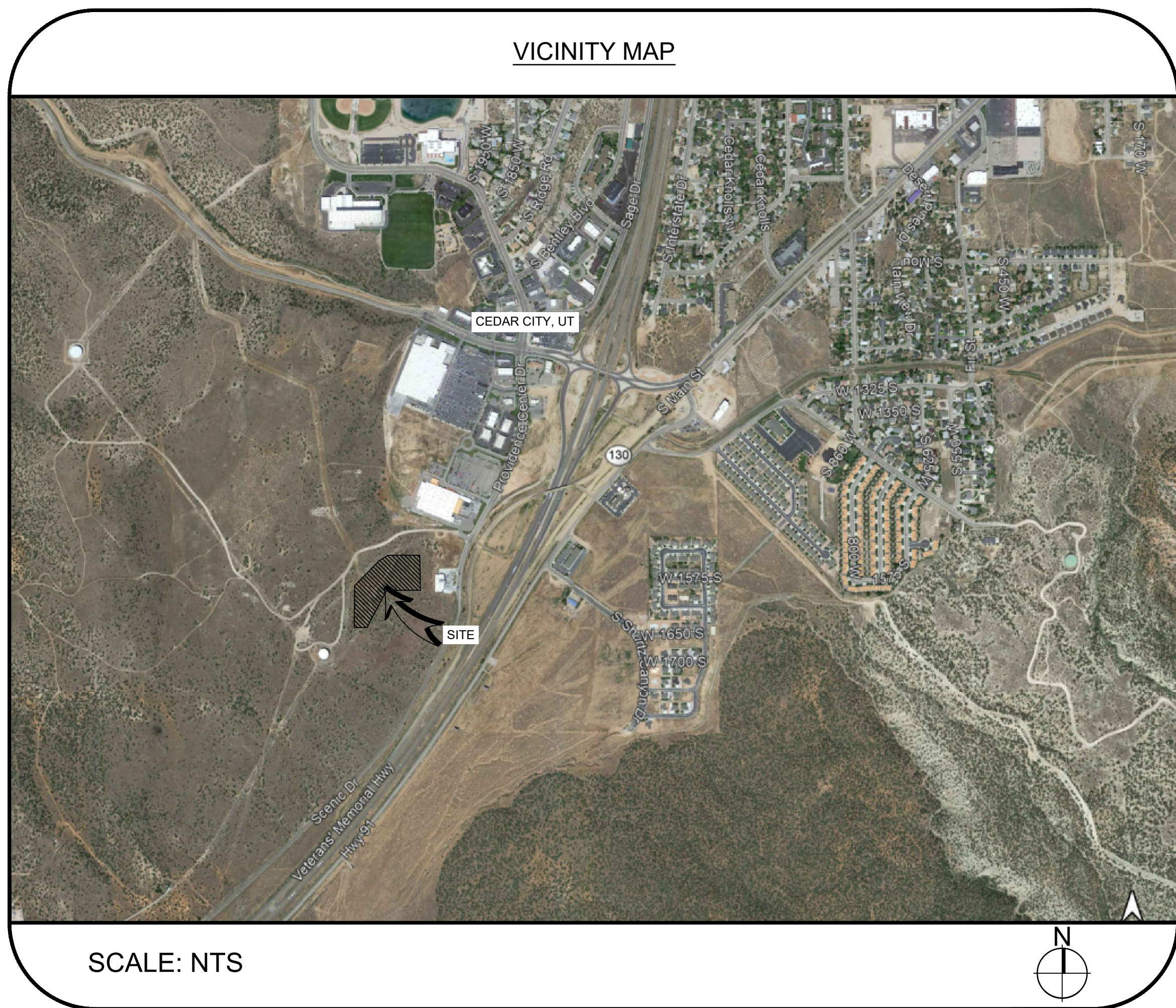
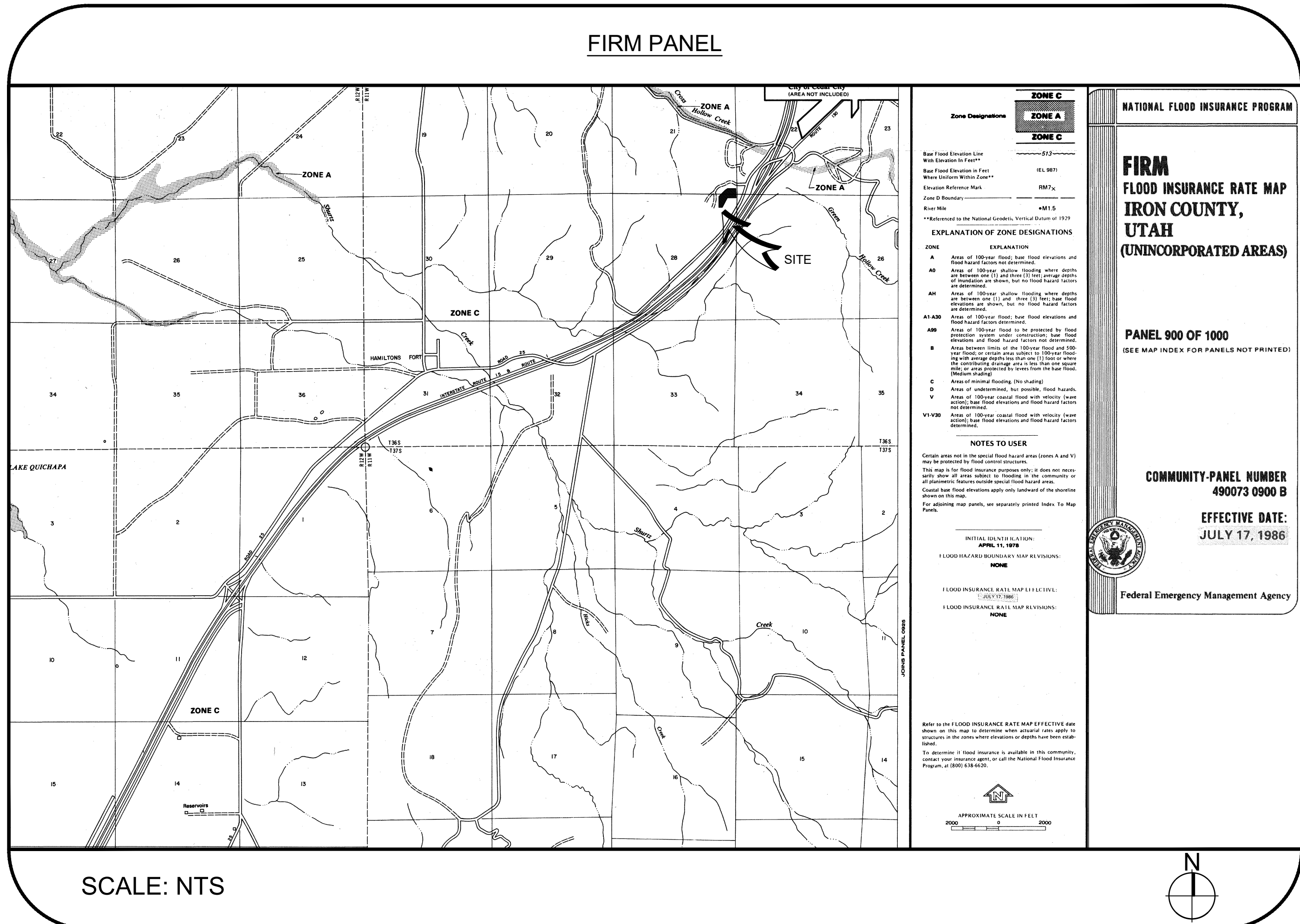


DEPARTMENT OF VETERANS AFFAIRS

NATIONAL CEMETERY DEVELOPMENT

CEDAR CITY RURAL INITIATIVE

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



PROJECT TEAM

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SURVEYOR
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CLARKE@PLATTINC.COM
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SITE OWNER
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CEDAR CITY, UT
CONTACT: STEVE DAVIS
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BIOLOGICAL ASSESSMENT
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DRAPER, UT
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EWRIGHTMAN@TRANSCON.COM
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US FISH & WILDLIFE SERVICES
WEST VALLEY CITY, UT
CONTACT: KATE NOWAK
KATE_NOWAK@FWS.GOV
801-975-3330 X132

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/OCR 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.

SHEET INDEX

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3	V-101	TOPOGRAPHIC / UTILITY SURVEY
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
13	C-401	ENLARGED SITE PLAN
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
17	C-501	GRAVESITE DETAILS 1 OF 2
18	C-502	GRAVESITE DETAILS 2 OF 2
19	C-503	SITE DETAILS 1 OF 2
20	C-504	SITE DETAILS 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
25	C-512	UNDERGROUND DETENTION FACILITY 2 OF 2
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27	L101	IRRIGATION DETAILS 1
28	L102	IRRIGATION DETAILS 2
29	L103	IRRIGATION DETAILS 3
30	LP101	PLANTING PLAN
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33	A-202	COLUMBARIUM & MEMORIAL WALL ELEVATIONS
34	A-301	BUILDING & WALL SECTIONS
35	A-401	COLUMBARIUM & MEMORIAL WALL ENLARGED PLANS, CAPS & DETAILS
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37	A-502	MEMORIAL WALL DETAILS 1
38	A-503	MEMORIAL WALL DETAILS 2
39	A-504	COLUMBARIUM DETAILS 1
40	A-505	COLUMBARIUM DETAILS 2
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43	A-508	SIGNAGE ELEVATION DETAILS
44	A-509	SIGNAGE PANEL DETAILS & CONSTRUCTION SIGNAGE
45	A-510	SIGNAGE STRUCTURAL DETAILS
46	A-511	FENCING DETAILS 1
47	A-512	FENCING DETAILS 2
48	A-513	MISC. SITE DETAILS
49	E-001	ELECTRICAL NOTES & LEGENDS
50	E-101	ELECTRICAL SITE PLAN
51	E-102	ELECTRICAL PLANS - RESTROOM AND PUMP HOUSE
52	E-601	ELECTRICAL SCHEDULES
53	S-001	STRUCTURAL GENERAL NOTES
54	S-101	COMMITTAL SHELTER FOUNDATION PLAN
55	S-102	FOUNDATION AND RETAINING WALL PLANS
56	S-201	ORNAMENTAL FENCE ELEVATION
57	S-501	COMMITTAL SHELTER DETAILS
58	S-502	COLUMBARIUM AND WALLS STRUCTURAL DETAILS
59	S-503	ORNAMENTAL FENCE STRUCTURAL DTLS
60	S-504	TYPICAL MASONRY DETAILS
61	T-101	TELECOMMUNICATIONS PLANS AND DETAILS

CONTRACTOR / AGENCY COORDINATION REQUIREMENTS

- A QUALIFIED BIOLOGIST* RETAINED BY THE CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION PROTOCOL SURVEY FOR UTAH PRAIRIE DOGS (UPD) TO LOOK FOR SIGNS (FRESH DIGGING, BURROWS, SCAT) OF 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.
- IF 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 RENITATE 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 HE/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 DOG 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.

BURIAL SUMMARY					
BURIAL TYPE	SECTION	SIZE	TOTAL QUANTITY	PHASE 1 QUANTITY	ACREAGE
OSVS	SEC 1	4X10	161	34	0.18
PRVS	SEC 2	4X10	196	28	0.19
IGCS	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.

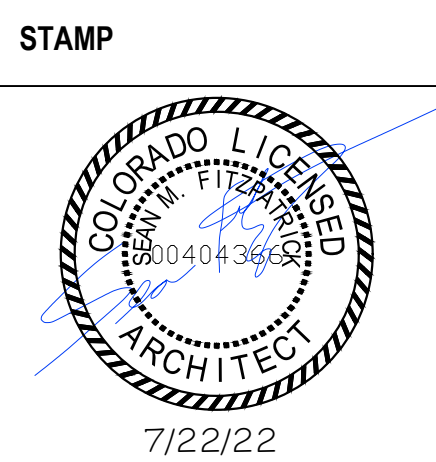
Environment & Infrastructure Solutions, Inc.
1075 BIG SHANTY ROAD, NW, SUITE 100
KENNESAW, GEORGIA 30144 (770) 421-3400

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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



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

N/A

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

Location
Cedar City, UT

Issue Date
7/22/2022

Checked
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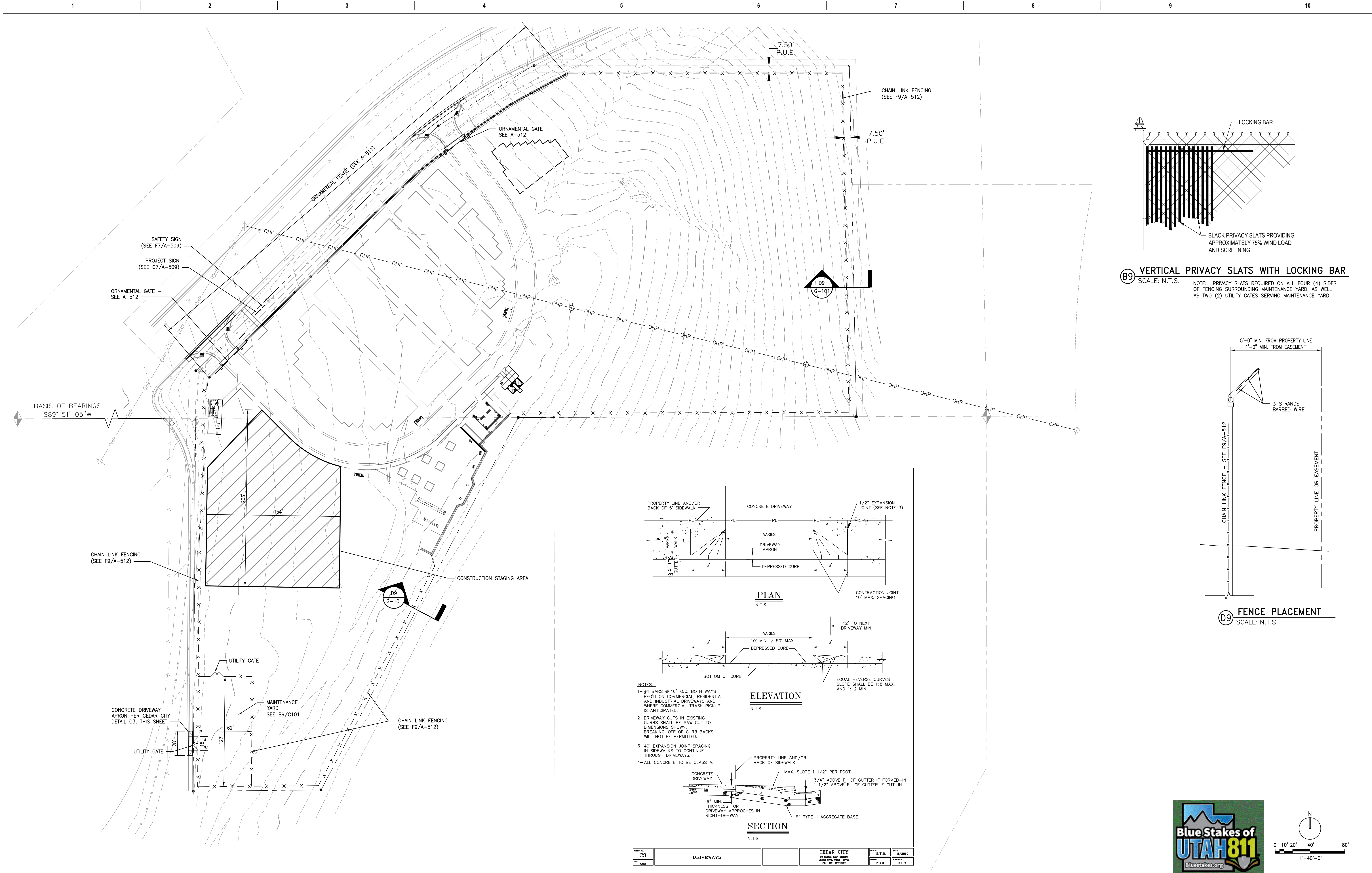
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SF

Project Number
942CM3001

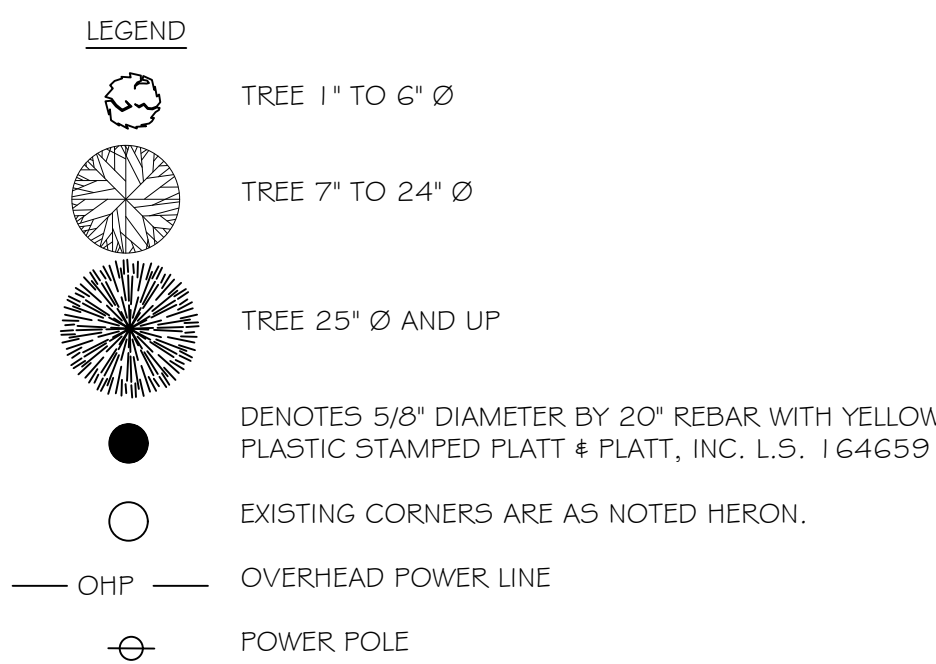
Building Number
N/A

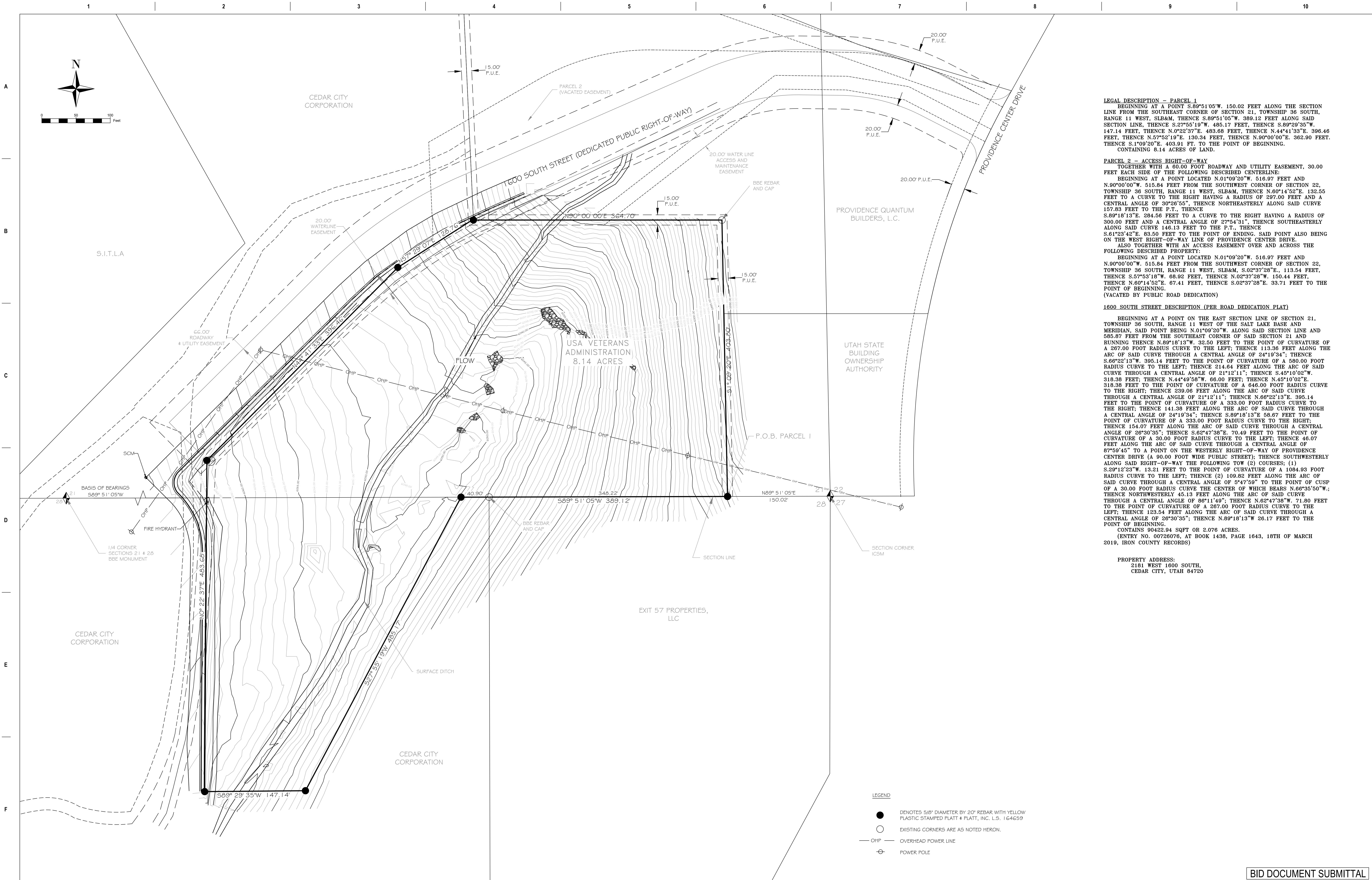
Drawing Number
G-001

Sheet 1 of 61



COMMITTAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1- REDESIGN Revisions:		4/28/2022 12/15/2021 1/22/2021 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		ARCHITECT/ENGINEER OF RECORD VCI Project Management Construction Management Engineering 18300 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 FENCING AND CONSTRUCTION STAGING 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		Project Number 942CM3001 Building Number N/A Drawing Number G-101 Sheet 2 of 61	
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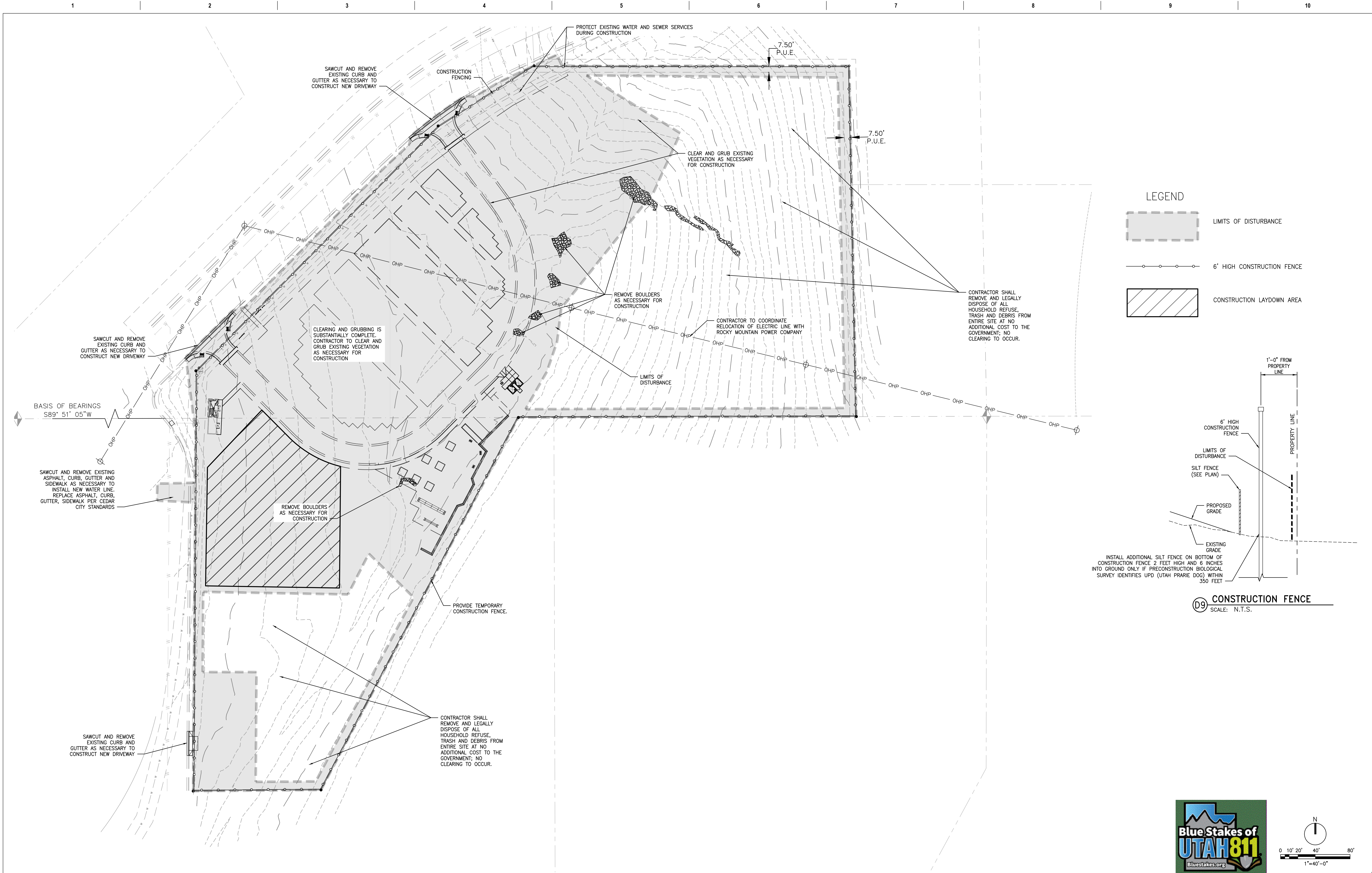
LEGAL DESCRIPTION - PARCEL 1
BEGINNING AT A POINT S.89°51'05"W. 150.02 FEET ALONG THE SECTION LINE FROM THE SOUTHEAST CORNER OF SECTION 21, TOWNSHIP 36 SOUTH, RANGE 11 WEST, SL&M, THENCE S.89°51'05"W. 389.12 FEET ALONG SAID SECTION LINE, THENCE S.27°55'19"W. 485.17 FEET, THENCE S.89°29'35"W. 147.14 FEET, 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.

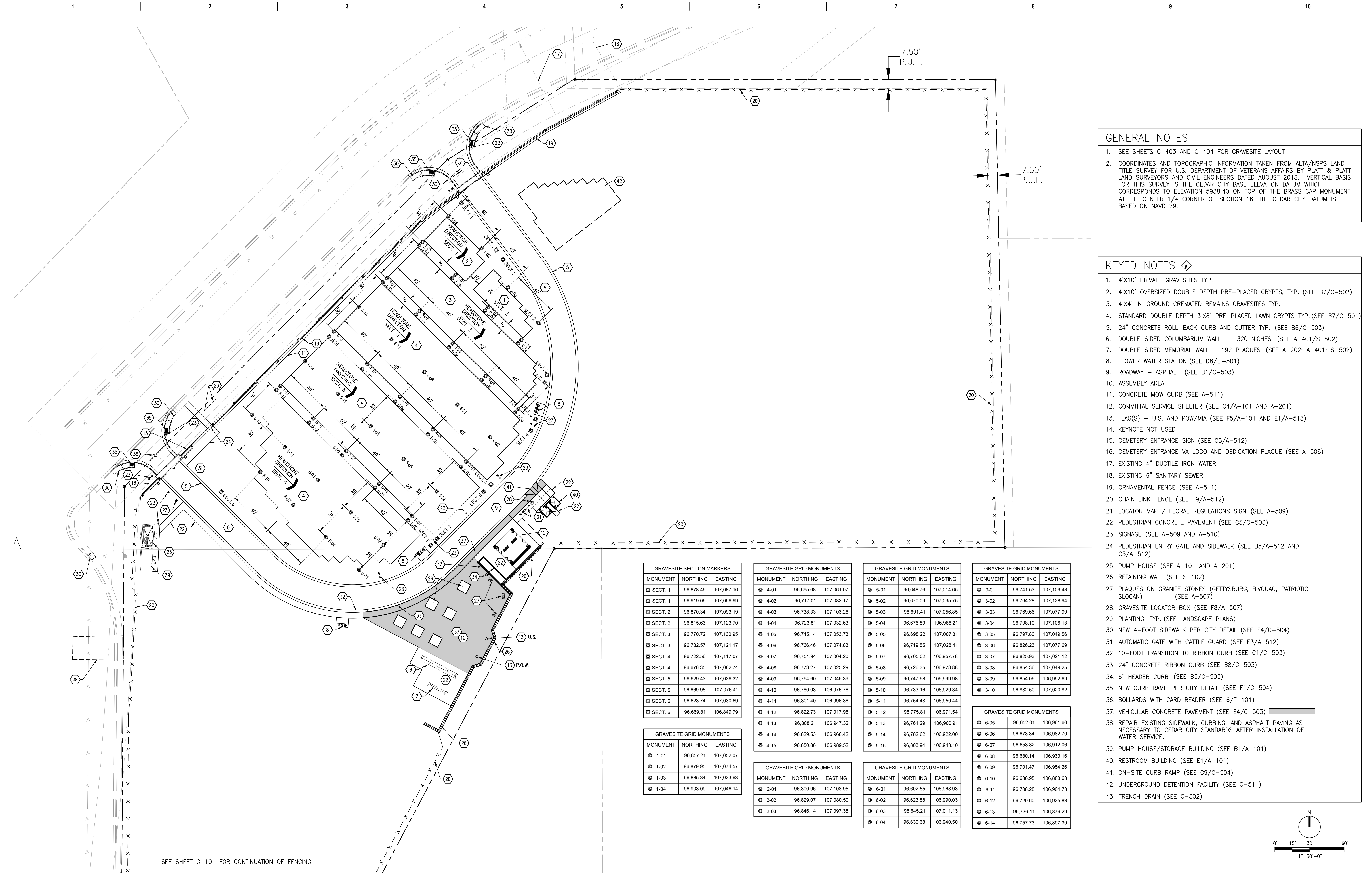
1600 SOUTH STREET DESCRIPTION (PER ROAD DEDICATION PLAT)
BEGINNING AT A POINT ON THE EAST SECTION LINE OF SECTION 21, TOWNSHIP 36 SOUTH, RANGE 11 WEST OF THE SALT LAKE BASE AND MERIDIAN, SAID POINT BEING N.01°09'20"W. ALONG SAID SECTION LINE AND 565.87 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 21 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 N.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 46.07 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 CUSP OF A 30.00 FOOT RADIUS CURVE THE CENTER OF WHICH BEARS N.66°35'50"W.; THENCE NORTHWESTERLY 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

		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		National Cemetery Administration Design and Construction Service		Drawing Title		Phase		Project Title		Project Number	
		PLATT & PLATT, INC.		VCI		ROBERT B. PLATT 164659		VA		TOPOGRAPHIC / UTILITY SURVEY W/O TREES		BID DOCUMENTS		NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE		942CM3001	
		CIVIL ENGINEERS & SURVEYORS		Project Management Construction Management Engineering				U.S. Department of Veterans Affairs								Building Number N/A	
		195 N. 100 E., CEDAR CITY, UTAH 84720		18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick												Drawing Number V-102	
CD1 - REDESIGN		1/22/2021														Sheet 4 of 61	
Revisions:		Date:															



COMMITTAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1- REDESIGN Revisions: 4/28/2022 12/15/2021 1/22/2021 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		ARCHITECT/ENGINEER OF RECORD VCI Project Management Construction Management Engineering 18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick		STAMP 		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		Project Number 942CM3001 Building Number N/A Drawing Number D-101 Sheet 5 of 61	
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- 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 D8/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		
MONUMENT	NORTHING	EASTING
SECT. 1	96,878.46	107,087.16
SECT. 1	96,919.06	107,056.99
SECT. 2	96,870.34	107,093.19
SECT. 2	96,815.63	107,123.70
SECT. 3	96,770.72	107,130.95
SECT. 3	96,732.57	107,121.17
SECT. 4	96,722.56	107,117.07
SECT. 4	96,676.35	107,082.74
SECT. 5	96,629.43	107,036.32
SECT. 5	96,669.95	107,076.41
SECT. 6	96,623.74	107,030.69
SECT. 6	96,669.81	106,849.79

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
1-01	96,857.21	107,052.07
1-02	96,879.95	107,074.57
1-03	96,885.34	107,023.63
1-04	96,908.09	107,046.14

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
4-01	96,695.68	107,061.07
4-02	96,717.01	107,082.17
4-03	96,738.33	107,103.26
4-04	96,723.81	107,032.63
4-05	96,745.14	107,053.73
4-06	96,766.46	107,074.83
4-07	96,751.94	107,004.20
4-08	96,773.27	107,025.29
4-09	96,794.60	107,046.39
4-10	96,780.08	106,975.76
4-11	96,801.40	106,996.86
4-12	96,822.73	107,017.96
4-13	96,808.21	106,947.32
4-14	96,829.53	106,968.42
4-15	96,850.86	106,989.52

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
2-01	96,800.96	107,108.95
2-02	96,829.07	107,080.50
2-03	96,846.14	107,097.38

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
5-01	96,648.76	107,014.65
5-02	96,670.09	107,035.75
5-03	96,691.41	107,056.85
5-04	96,676.89	106,986.21
5-05	96,698.22	107,007.31
5-06	96,719.55	107,028.41
5-07	96,705.02	106,957.78
5-08	96,726.35	106,978.88
5-09	96,747.68	106,999.98
5-10	96,733.16	106,929.34
5-11	96,754.48	106,950.44
5-12	96,775.81	106,971.54
5-13	96,761.29	106,900.91
5-14	96,782.62	106,922.00
5-15	96,803.94	106,943.10

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
6-01	96,602.55	106,968.93
6-02	96,623.88	106,990.03
6-03	96,645.21	107,011.13
6-04	96,630.68	106,940.50

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
3-01	96,741.53	107,106.43
3-02	96,764.28	107,128.94
3-03	96,769.66	107,077.99
3-04	96,798.10	107,106.13
3-05	96,797.80	107,049.56
3-06	96,826.23	107,077.69
3-07	96,825.93	107,021.12
3-08	96,854.36	107,049.25
3-09	96,854.06	106,992.69
3-10	96,882.50	107,020.82

GRAVESITE GRID MONUMENTS		
MONUMENT	NORTHING	EASTING
6-05	96,652.01	106,961.60
6-06	96,673.34	106,982.70
6-07	96,658.82	106,912.06
6-08	96,680.14	106,933.16
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

COMMITAL 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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STAMP

6754098-2203
DON WADE
DOTSON
STATE OF UTAH

National Cemetery Administration
Design and Construction Service

VA U.S. Department of Veterans Affairs

Drawing Title
SITE 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

BID DOCUMENT SUBMITTAL

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

Project Number
942CM3001

Building Number
N/A

Drawing Number
C-101

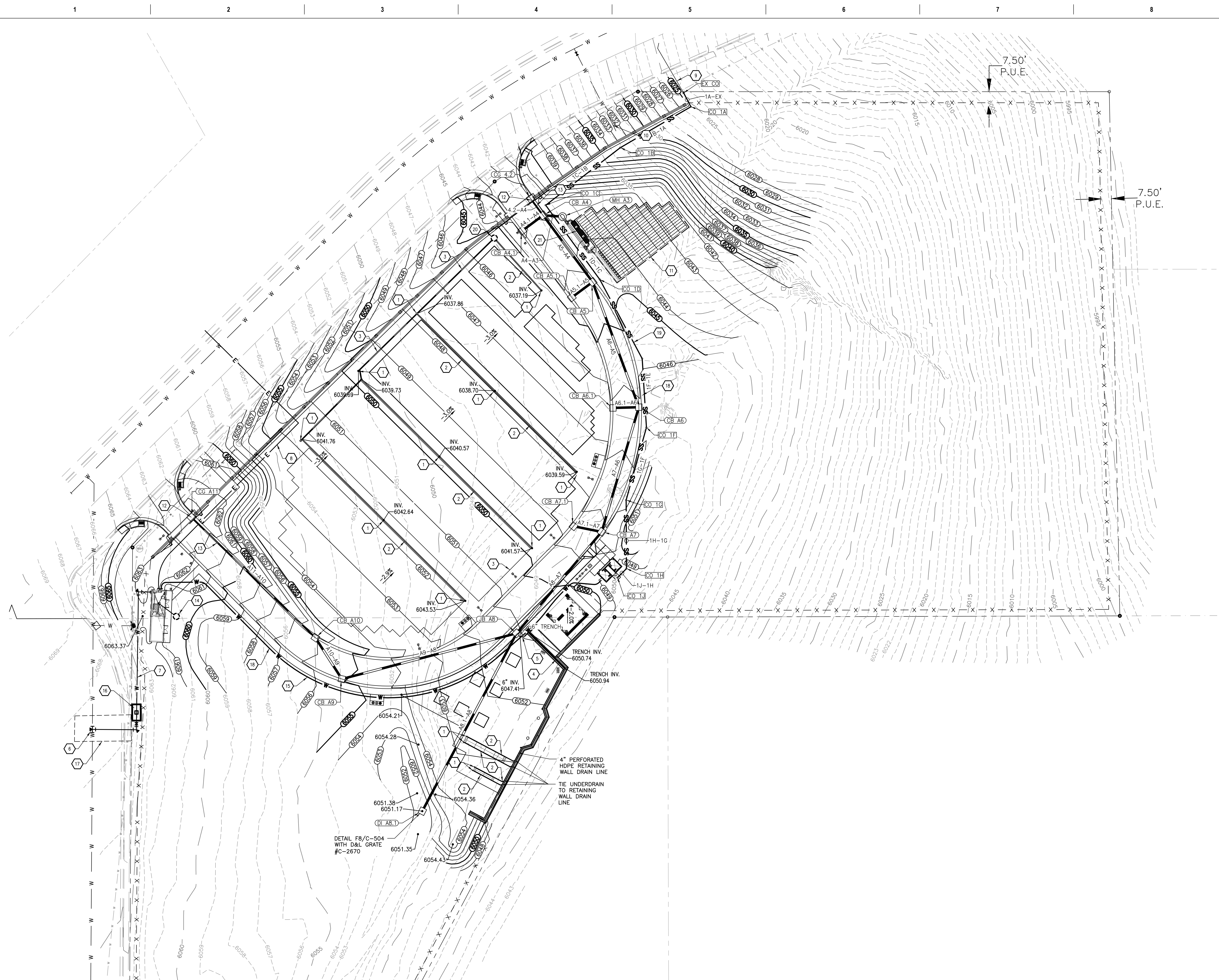
Location
Cedar City, UT

Issue Date
7/22/2022

Checked
CAP

Drawn
MJL

Sheet 6 of 61

KEYED NOTES

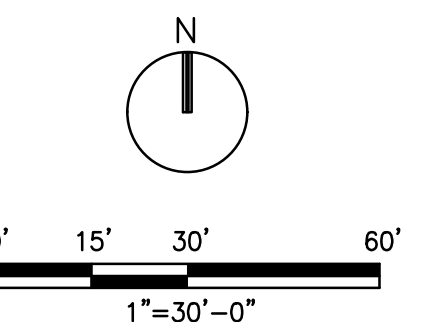
1. 4" CLEANOUT
2. 4" PERFORATED HDPE UNDERDRAIN @ 1% MINIMUM SLOPE (TYPICAL)
3. 4" SOLID HDPE @ 1% MINIMUM SLOPE (TYPICAL)
4. 4-INCH WIDE TRENCH DRAIN - ACO KLASSIKDRAIN K100 LOAD CLASS "A" WITH TYPE 451D STAINLESS STEEL LOCKING GRATE OR APPROVED EQUAL
5. 6" SOLID HDPE @ 1% MINIMUM SLOPE (TYPICAL)
6. NEW WATER SERVICE TAP (SEE C-506)
7. NEW WATER SERVICE - 3" METER WITH BACKFLOW PREVENTER, 4" SERVICE
8. NEW UNDERGROUND ELECTRIC SERVICE (SEE E-101)
9. EXISTING SANITARY SEWER SERVICE
10. EXISTING DOMESTIC WATER SERVICE
11. UNDERGROUND DETENTION FACILITY (SEE C-511)
12. TIE 12" RCP TO CATTLE GUARD
13. 12" RCP @ 1% MINIMUM
14. TIE FLOOR DRAIN TO DRY WELL (SEE F5/C-503)
15. NEW DOMESTIC 1-1/2" TYPE 'K' COPPER SERVICE (SEE C-506)
16. NEW 3" IRRIGATION TIE IN VAULT (SEE C-506)
17. REPAIR EXISTING SIDEWALK, CURBING, AND ASPHALT PAVEMENT AS NECESSARY TO CEAD CITY STANDARDS AFTER INSTALLATION OF WATER SERVICE
18. CONTRACTOR TO COORDINATE INSTALLATION OF WATER, SANITARY SEWER, ELECTRICAL, AND IRRIGATION SYSTEMS TO AVOID CONFLICTS
19. 6" PVC SANITARY SEWER LINE @ 1% MINIMUM
20. STANDARD DRY WELL (SEE F5/C-503)
21. WATER QUALITY FILTER (SEE C-512)

GRADING PLAN LEGEND:

- | | |
|--|---|
| | EXISTING MINOR CONTOUR |
| | EXISTING MAJOR CONTOUR |
| | PROPOSED MINOR CONTOUR |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED STORM DRAIN PIPE |
| | FLARED END SECTION (FES) |
| | PROPOSED CATCH BASIN |
| | PROPOSED DRAINAGE MANHOLE |
| | PROPOSED STORM DRAIN STRUCTURE LABEL |
| | PROPOSED SANITARY SEWER STRUCTURE LABEL |
| | INVERT ELEVATION |
| | CHAIN LINK FENCE (SEE F9/A-512) |
| | SOLID HOPE PIPE AND CLEANOUT |
| | PERFORATED HOPE PIPE AND CLEANOUT |
| | NEW 6" PVC SANITARY SEWER @ 1% MINIMUM |
| | UNDERGROUND ELECTRIC SERVICE |
| | NEW DOMESTIC WATER SERVICE |
| | NEW 90° BEND WITH THRUST BLOCKING |
| | NEW TAPPING SADDLE WITH THRUST BLOCKING |
| | NEW GATE VALVE |

NOTES

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



COMMITTAL 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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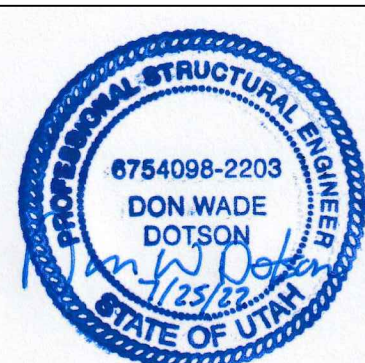
MRWM
LANDSCAPE ARCHITECTS
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ARCHITECT/ENGINEER OF RECORD

VCI Project Management
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504.684.4408; Sean Fitzpatrick

STAMP



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

7/22/2022

Checked

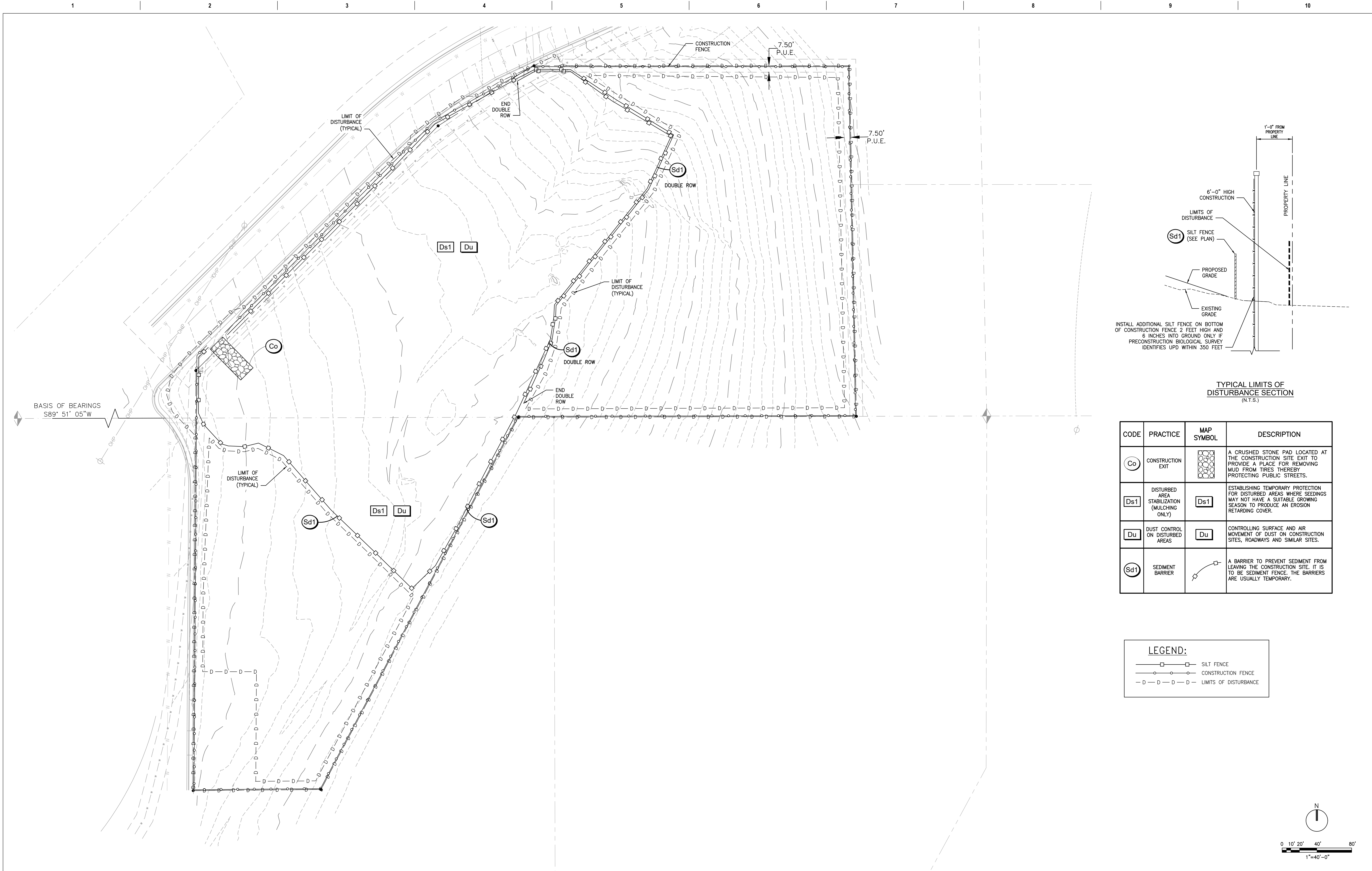
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Project Number
942CM3001

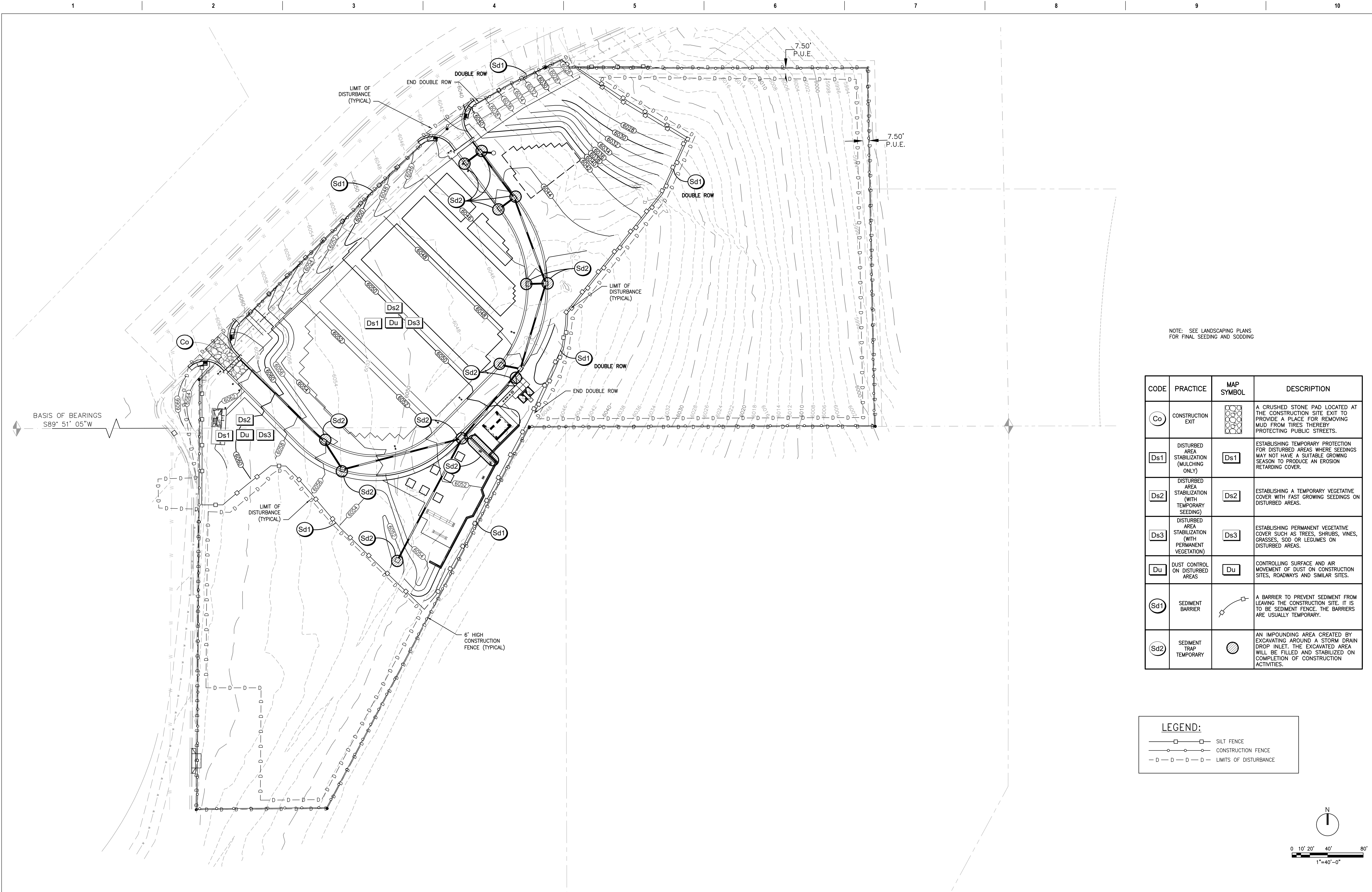
Building Number
N/A

Drawing Number
C-102

Sheet 7 of 61



COMMITTAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1- REDESIGN Revisions:		4/28/2022 12/15/2021 1/22/2021 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		ARCHITECT/ENGINEER OF RECORD MRWM LANDSCAPE ARCHITECTS 18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick		STAMP 		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 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 C-103 Checked CAP Drawn MJL	BID DOCUMENT SUBMITTAL Sheet 8 of 61
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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.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD OR LEGUMES ON DISTURBED AREAS.
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.
Sd2	SEDIMENT TRAP TEMPORARY		AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.

LEGEND:	
	SILT FENCE
	CONSTRUCTION FENCE
	LIMITS OF DISTURBANCE

COMMITTAL SHELTER MODIFICATIONS
ADDITION OF UNDERGROUND DETENTION FACILITY
CD1- REDESIGN
Revisions:

4/28/2022
12/15/2021
1/22/2021
4/28/2022

CONSULTANT

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ARCHITECT/ENGINEER OF RECORD

Project Management
Construction Management
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STAMP

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

Drawing Title

INTERMEDIATE 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

Project Number

942CM3001

Building Number

N/A

Drawing Number

C-104

Sheet 9 of 61

VA FORM 08-6231 1 2 3 4 5 6 7 8 9 10

A

B

C

D

E

F

A

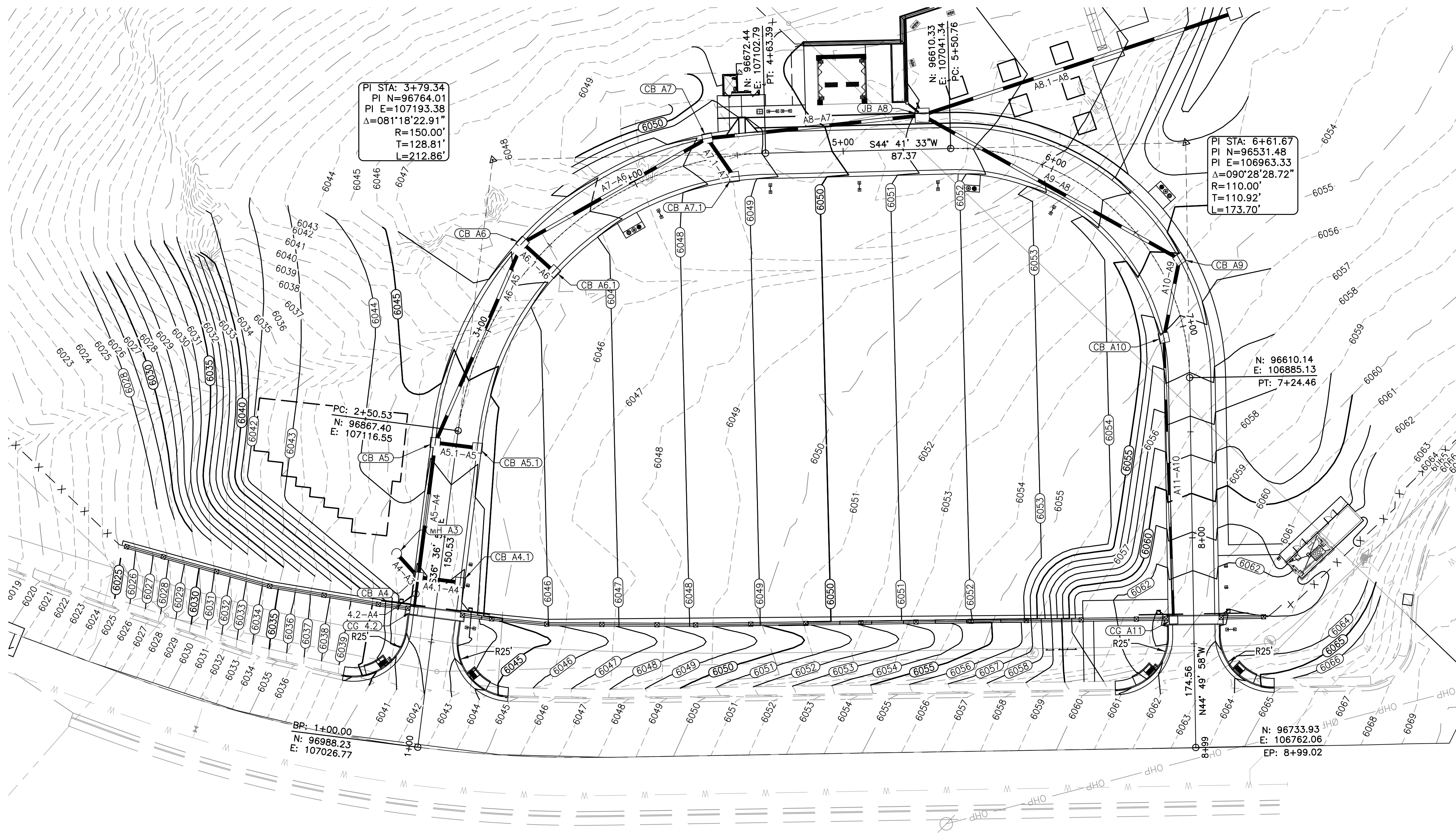
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C

D

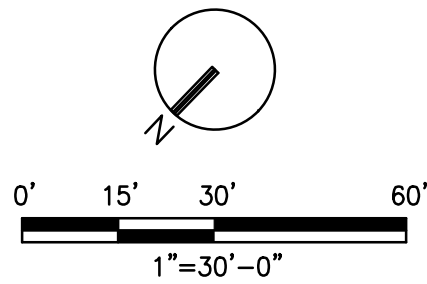
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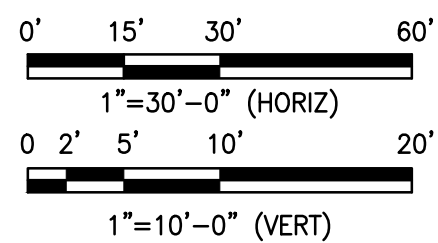
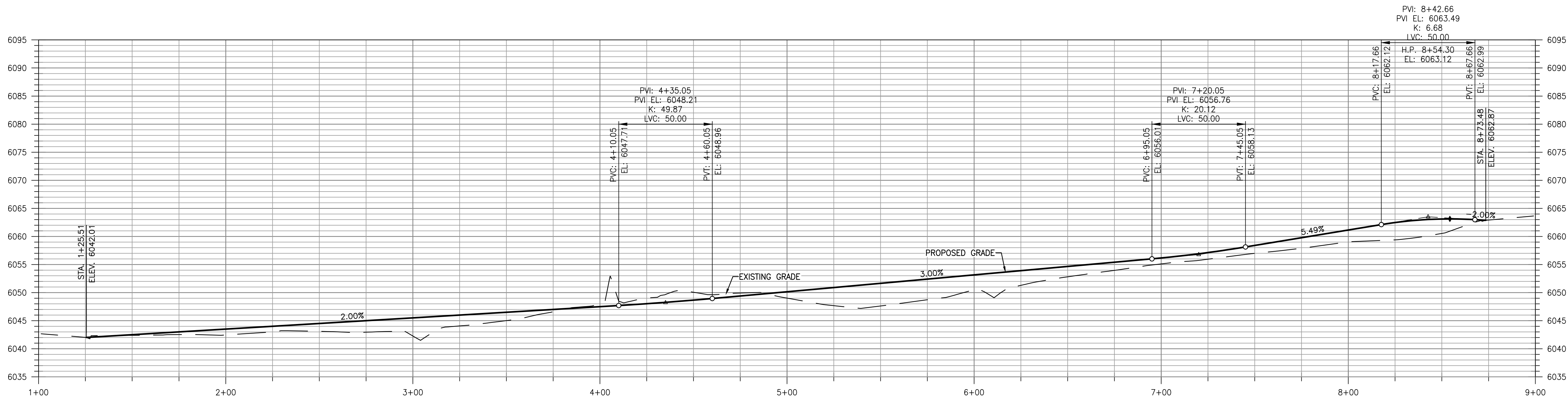


LEGEND:

PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PI	POINT OF INTERSECTION



ROAD A PLAN
SCALE: 1" = 30'



ROAD A PROFILE
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)

COMMITTAL 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

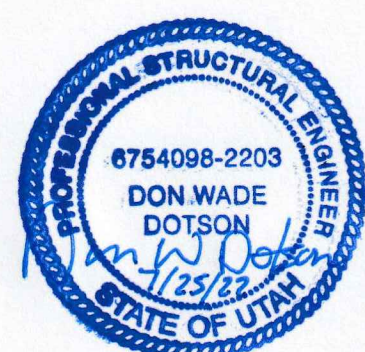
mrwmla.com 505 268 2266

ARCHITECT/ENGINEER OF RECORD

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

STAMP



National Cemetery
Administration
Design and
Construction
Service

VA U.S. Department
of Veterans Affairs

Drawing Title
ROADWAY PLAN AND PROFILE

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

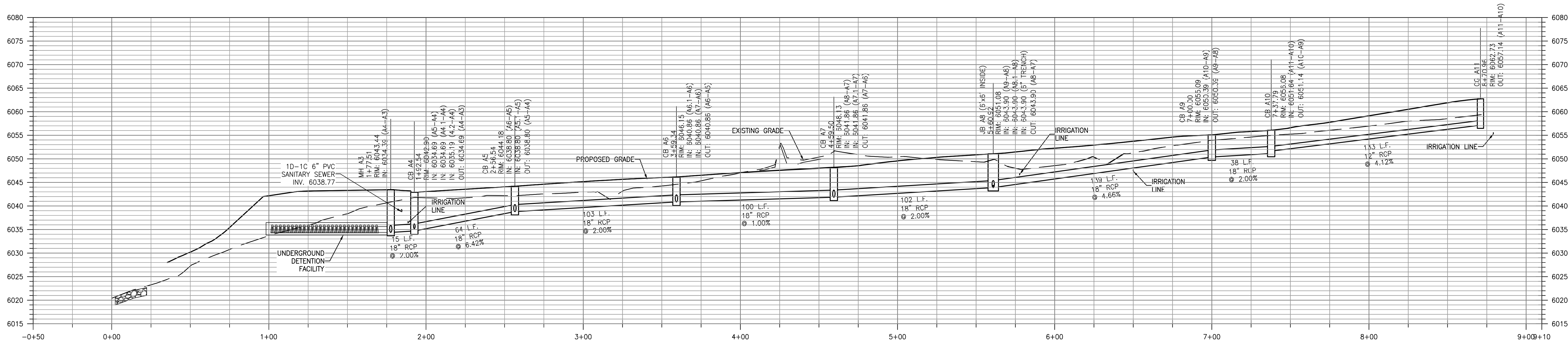
BID DOCUMENT SUBMITTAL

Project Number
942CM3001

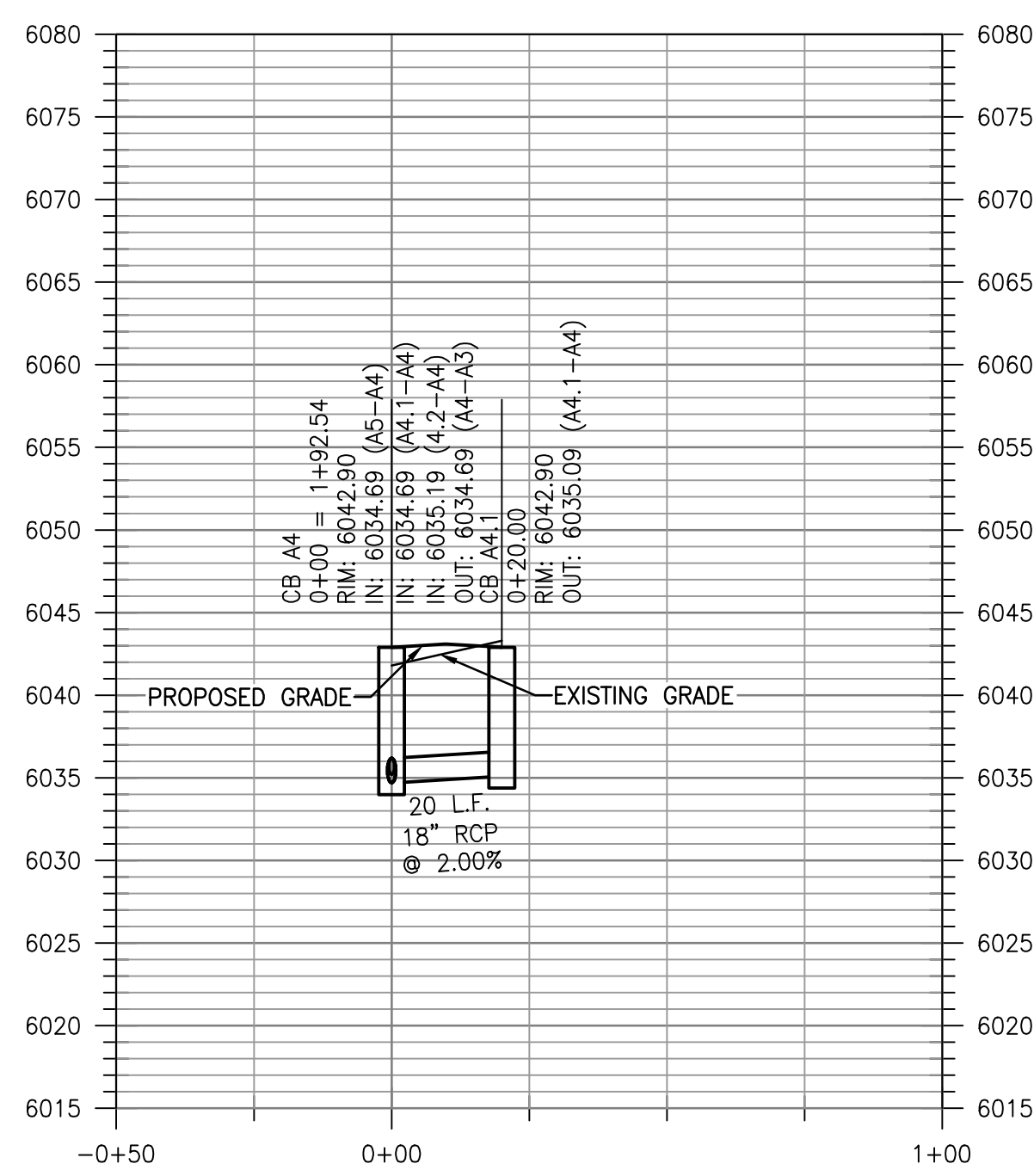
Building Number
N/A

Drawing Number
C-201

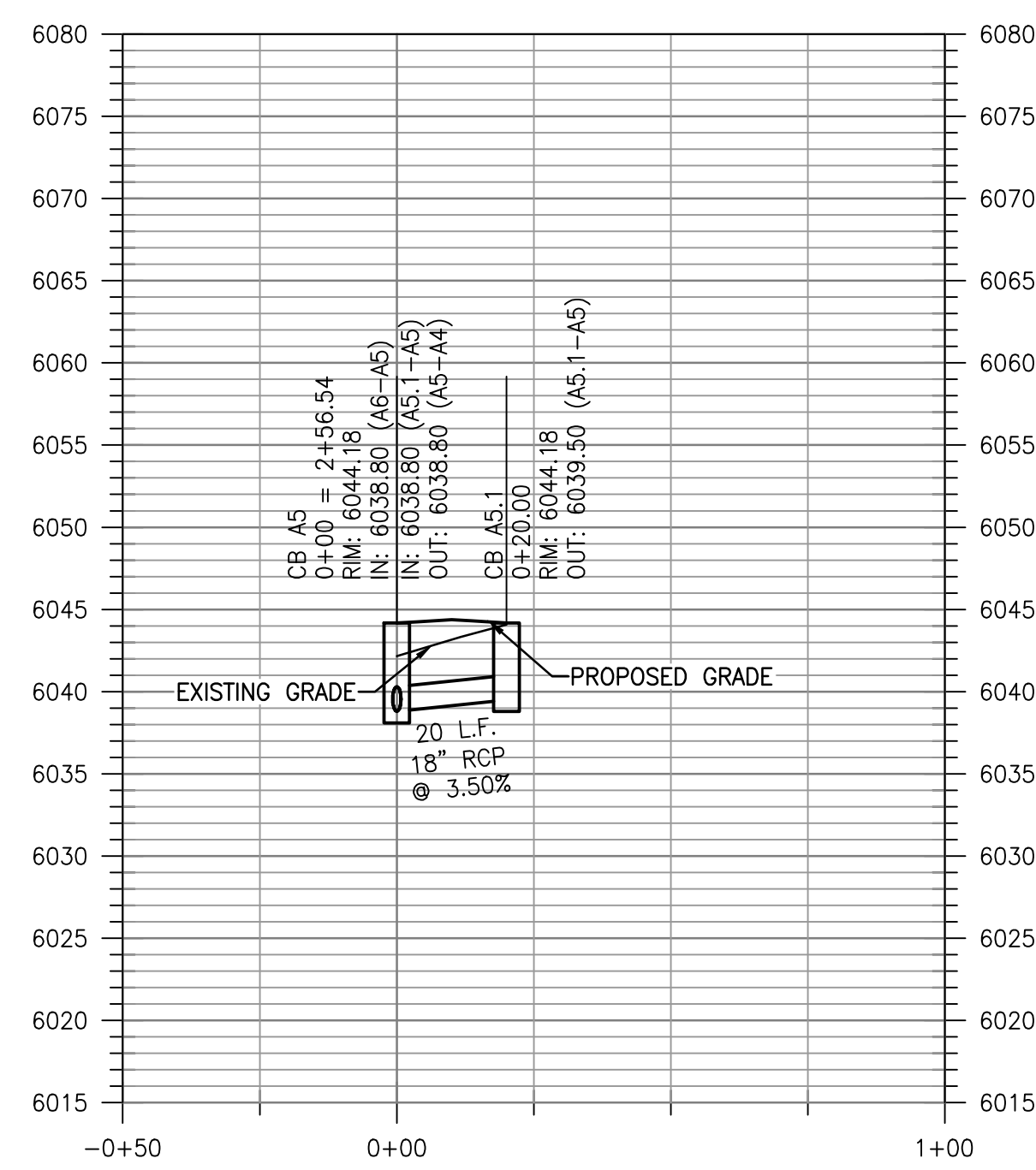
Sheet 10 of 61



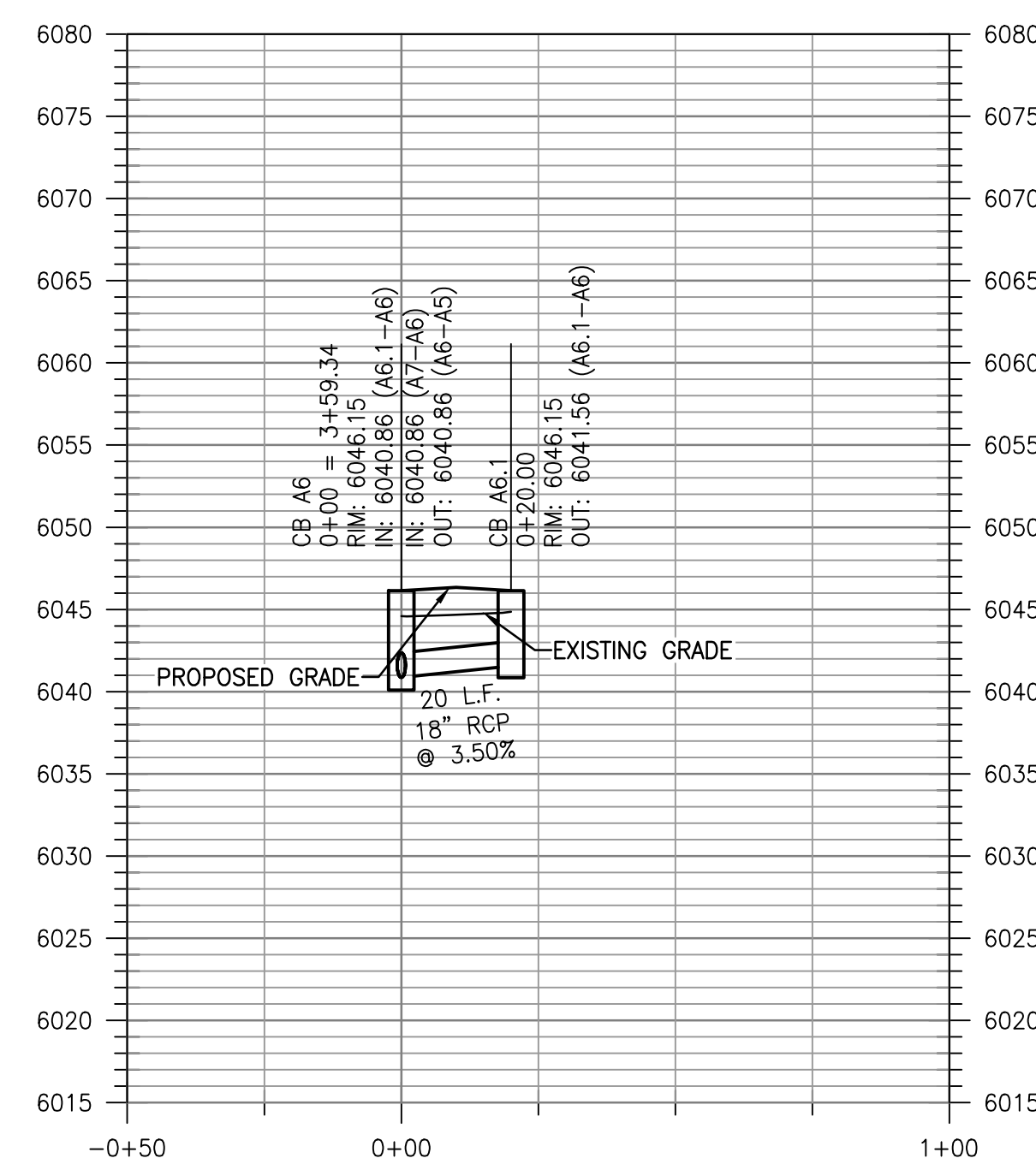
C2 STORM LINE A PROFILE
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



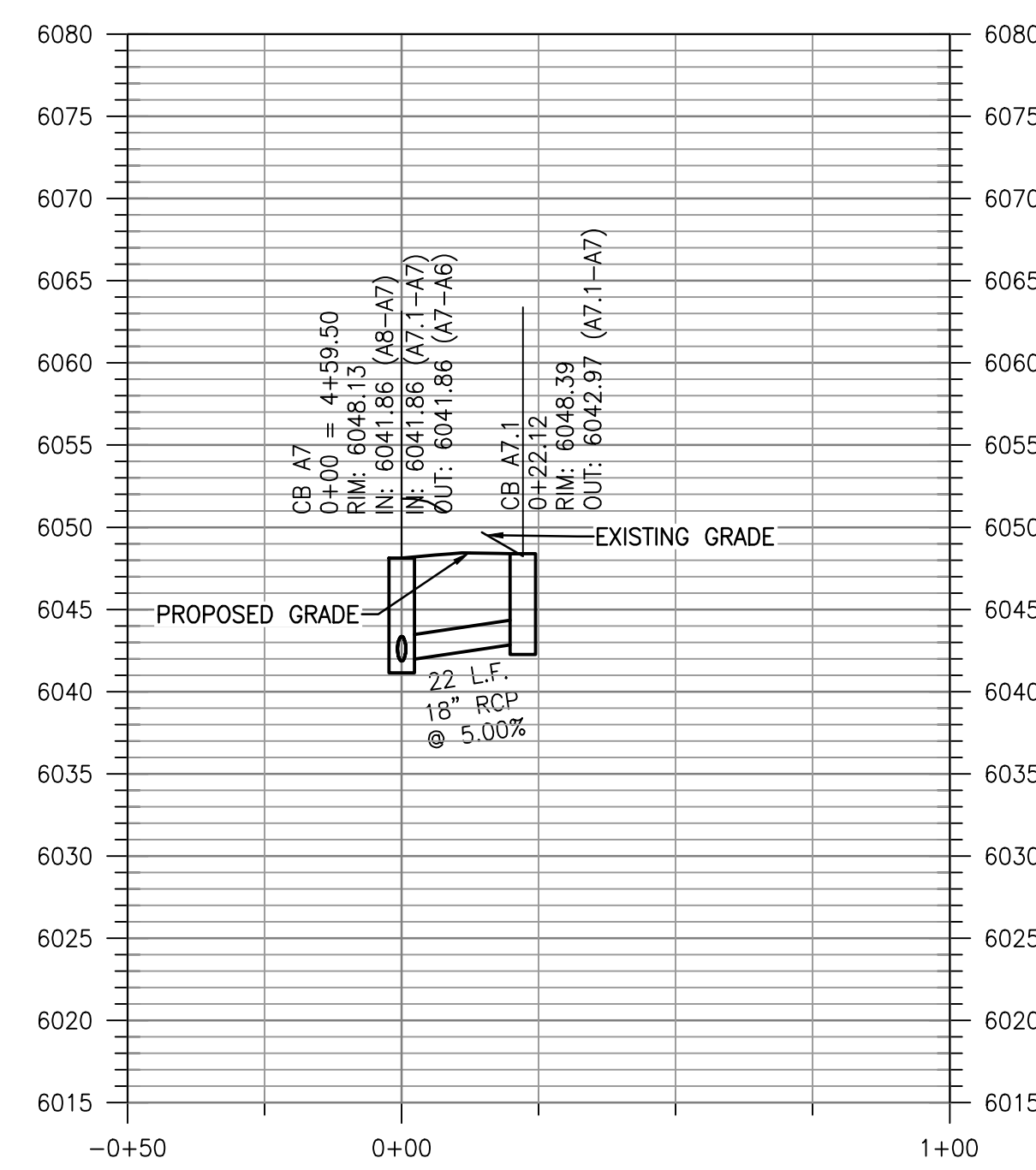
D2 STORM LINE A4.1 PROFILE
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



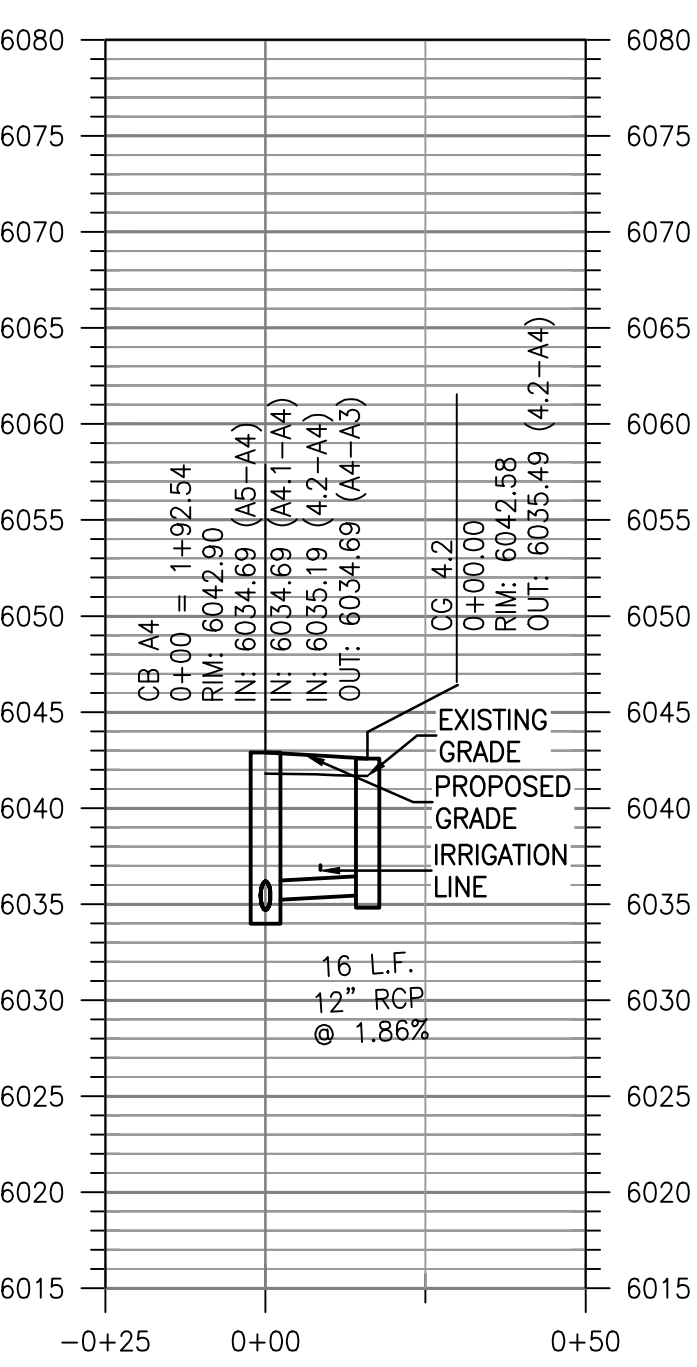
D4 STORM LINE A5.1 PROFILE
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)



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)



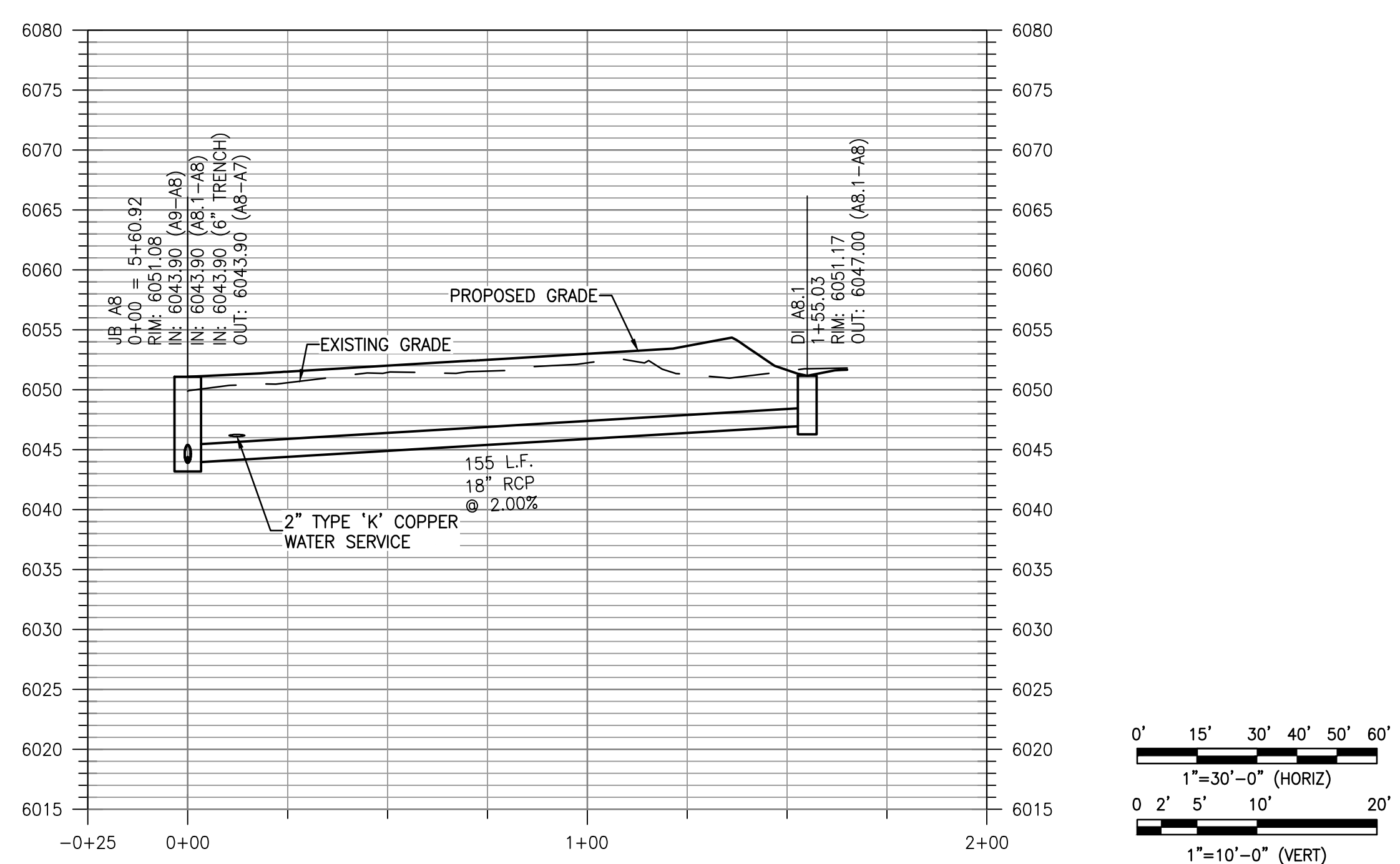
D9 STORM LINE A4.2 PROFILE
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)

STORM DRAIN PIPE CHART						
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

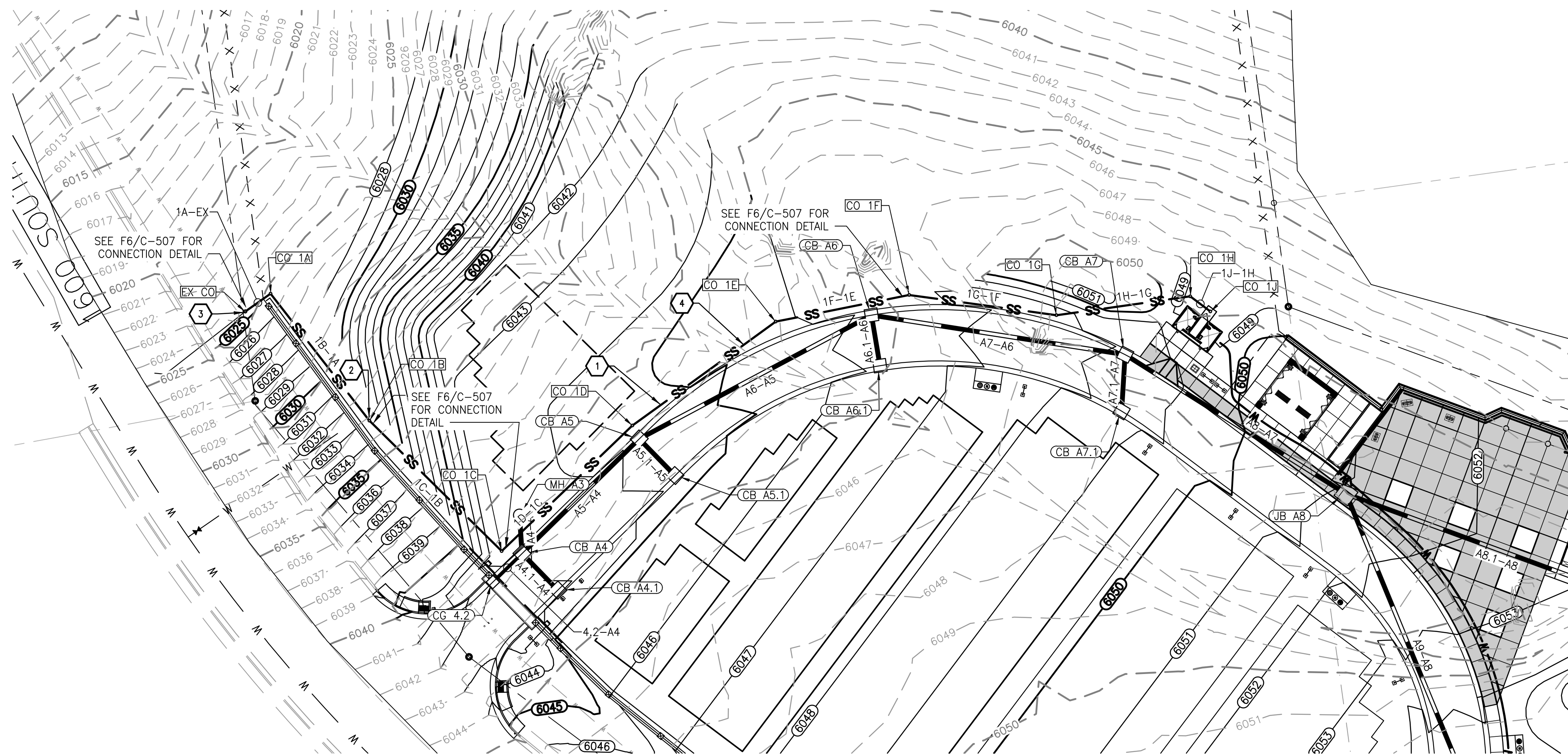
STORM DRAIN STRUCTURE CHART			
STRUCTURE ID:	NORTHING	EASTING	RIM
CG A11	96697.75	106811.43	6062.73
CB A10	96604.97	106906.96	6056.08
CB A9	96573.16	106927.35	6055.09
DI A8.1	96471.36	106989.31	6051.17
JB A8	96608.35	107061.90	6051.08
CB A7.1	96690.81	107105.74	6048.39
CB A7	96686.47	107127.43	6048.13
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

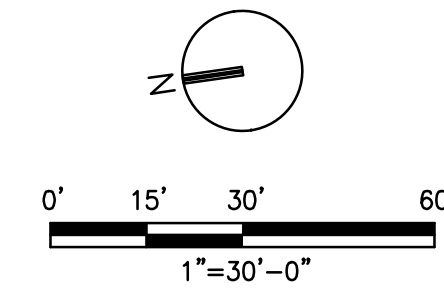


F7 STORM LINE A8.1 PROFILE
SCALE: 1" = 30' (HORIZ) 1" = 10' (VERT)

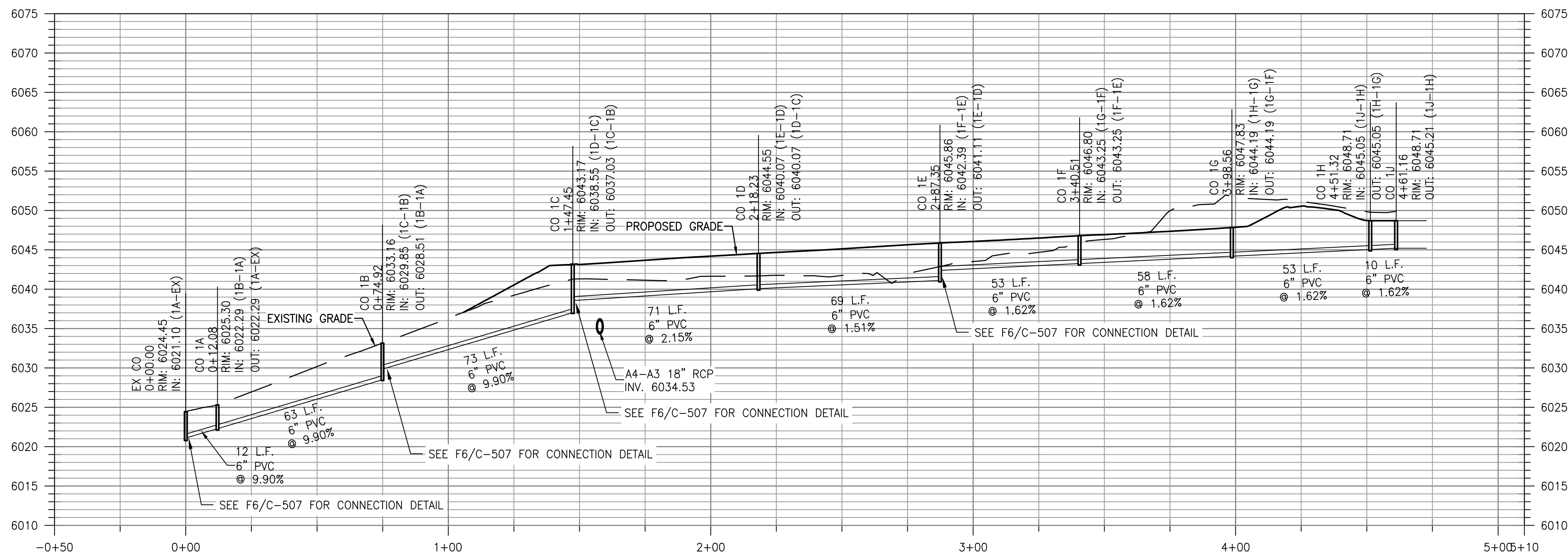
<div>COMMITTAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1- REDESIGN Revisions:</div> <div>4/28/2022 12/15/2021 1/22/2021 4/28/2022</div>		<div>CONSULTANT</div> <div>wood.</div> <div>Environment & Infrastructure Solutions, Inc. 1075 BIG SHANTY ROAD, NW, SUITE 100 KENNESAW, GEORGIA 30144 (770) 421-3400</div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div>MRWM LANDSCAPE ARCHITECTS</div> <div>mrwmla.com 505 268 2266</div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div>VCI Project Management Construction Management Engineering</div> <div>18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick</div>	<div>STAMP</div> <div></div>	<div>National Cemetery Administration Design and Construction Service</div> <div>VA U.S. Department of Veterans Affairs</div>	<div>Drawing Title</div> <div>STORM DRAIN PROFILES</div> <div>Approved: Project Director Steve Davis Department of Veterans Affairs, NCA Phone: 202.632.4833 Email: steve.davis@va.gov</div>	<div>Phase</div> <div>BID DOCUMENTS</div> <div>N/A</div>	<div>Project Title</div> <div>NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE</div> <div>Location Cedar City, UT</div> <div>Issue Date 7/22/2022</div> <div>Checked CAP</div> <div>Drawn MJL</div>	<div>Project Number</div> <div>942CM3001</div> <div>Building Number</div> <div>N/A</div> <div>Drawing Number</div> <div>C-202</div> <div>Sheet 11 of 61</div>
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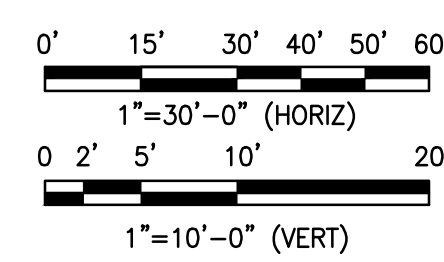
C2 SANITARY SEWER LINE 1 PLAN
SCALE: 1" = 30'



- KEYED NOTES (#)
1. 6" PVC SANITARY SEWER @ 1% MINIMUM
 2. 6" PVC SANITARY SEWER CLEANOUT (TYP.)
 3. TIE TO EXISTING SANITARY SEWER SERVICE
 4. 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
 - 20--- PROPOSED STORM DRAIN PIPE
 - FLARED END SECTION (FES)
 - PROPOSED CATCH BASIN
 - PROPOSED DRAINAGE MANHOLE
 - CB A7.1 PROPOSED STORM DRAIN STRUCTURE LABEL
 - CO 1J PROPOSED SANITARY SEWER STRUCTURE LABEL
 - CO 1G
 - 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

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

National Cemetery Administration Design and Construction Service	
VA	U.S. Department of Veterans Affairs
Drawing Title	SANITARY SEWER PLAN AND PROFILE
Approved: Project Director Steve Davis Department of Veterans Affairs, NCA	
Phone: 202.632.4833 Email: steve.davis@va.gov	

Phase	BID DOCUMENTS
Project Title	NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE
Location	Cedar City, UT
Issue Date	7/22/2022
Checked	CAP
Drawn	MJL
Project Number	942CM3001
Building Number	N/A
Drawing Number	C-203
Sheet	12 of 61



LEGEND

1/4" EXPANSION JOINT

1/2" EXPANSION JOINT

CONTRACTION JOINT

- x - x - x -

CHAIN LINK FENCE (SEE A-512)

VEHICULAR CONCRETE PAVEMENT

KEY NOTE

KEYED NOTES

1. 4'x10' PRIVATE GRAVESITES TYP.

2. 4'x10' OVERSIZED DOUBLE DEPTH PRE-PLACED CRYPTS, TYP. (SEE B7/C-502)

3. 4'x4' IN-GROUND CREMATED REMAINS GRAVESITES TYP.

4. STANDARD DOUBLE DEPTH 3'x8' PRE-PLACED LAWN CRYPTS TYP. (SEE B7/C-501)

5. 24" CONCRETE ROLL-BACK CURB AND GUTTER TYP. (SEE B6/C-503)

6. DOUBLE-SIDED COLUMBARIUM WALL - 320 NICHES (SEE A-401/S-502)

7. DOUBLE-SIDED MEMORIAL WALL - 192 PLAQUES (SEE A-202; A-401; S-502)

8. FLOWER WATER STATION (SEE D8/LI-501)

9. ROADWAY - ASPHALT (SEE B1/C-503)

10. ASSEMBLY AREA

11. CONCRETE MOW CURB (SEE A-511)

12. COMMITTAL SERVICE SHELTER (SEE C4/A-101 AND A-201)

13. FLAG(S) - U.S. AND POW/MIA (SEE F5/A-101 AND E1/A-513)

14. KEYNOTE NOT USED

15. CEMETERY ENTRANCE SIGN (SEE C5/A-512)

16. CEMETERY ENTRANCE VA LOGO AND DEDICATION PLAQUE (SEE A-506)

17. EXISTING 4" DUCTILE IRON WATER

18. EXISTING 6" SANITARY SEWER

19. ORNAMENTAL FENCE (SEE A-511)

20. CHAIN LINK FENCE (SEE F9/A-512)

21. LOCATOR MAP / FLORAL REGULATIONS SIGN (SEE A-509)

22. PEDESTRIAN CONCRETE PAVEMENT (SEE C5/C-503)

23. SIGNAGE (SEE A-509 AND A-510)

24. PEDESTRIAN ENTRY GATE AND SIDEWALK (SEE B5/A-512 AND C5/A-512)

25. PUMP HOUSE (SEE A-101 AND A-201)

26. RETAINING WALL (SEE S-102)

27. PLAQUES ON GRANITE STONES (GETTYSBURG, BIVOUAC, PATRIOTIC SLOGAN) (SEE A-507)

28. GRAVESITE LOCATOR BOX (SEE F8/A-507)

29. PLANTING, TYP. (SEE LANDSCAPE PLANS)

30. NEW 4-FOOT SIDEWALK PER CITY DETAIL (SEE F4/C-504)

31. AUTOMATIC GATE WITH CATTLE GUARD (SEE E3/A-512)

32. 10-FOOT TRANSITION TO RIBBON CURB (SEE C1/C-503)

33. 24" CONCRETE RIBBON CURB (SEE B8/C-503)

34. 6" HEADER CURB (SEE B3/C-503)

35. NEW CURB RAMP PER CITY DETAIL (SEE F1/C-504)

36. BOLLARDS WITH CARD READER (SEE 6/T-101)

37. VEHICULAR CONCRETE PAVEMENT (SEE E4/C-503)

38. REPAIR EXISTING SIDEWALK, CURBING, AND ASPHALT PAVING AS NECESSARY TO CEDAR CITY STANDARDS AFTER INSTALLATION OF WATER SERVICE.

39. PUMP HOUSE/STORAGE BUILDING (SEE B1/A-101)

40. RESTROOM BUILDING (SEE E1/A-101)

41. ON-SITE CURB RAMP (SEE C9/C-504)

42. UNDERGROUND DETENTION FACILITY (SEE C-511)

43. TRENCH DRAIN (SEE C-302)

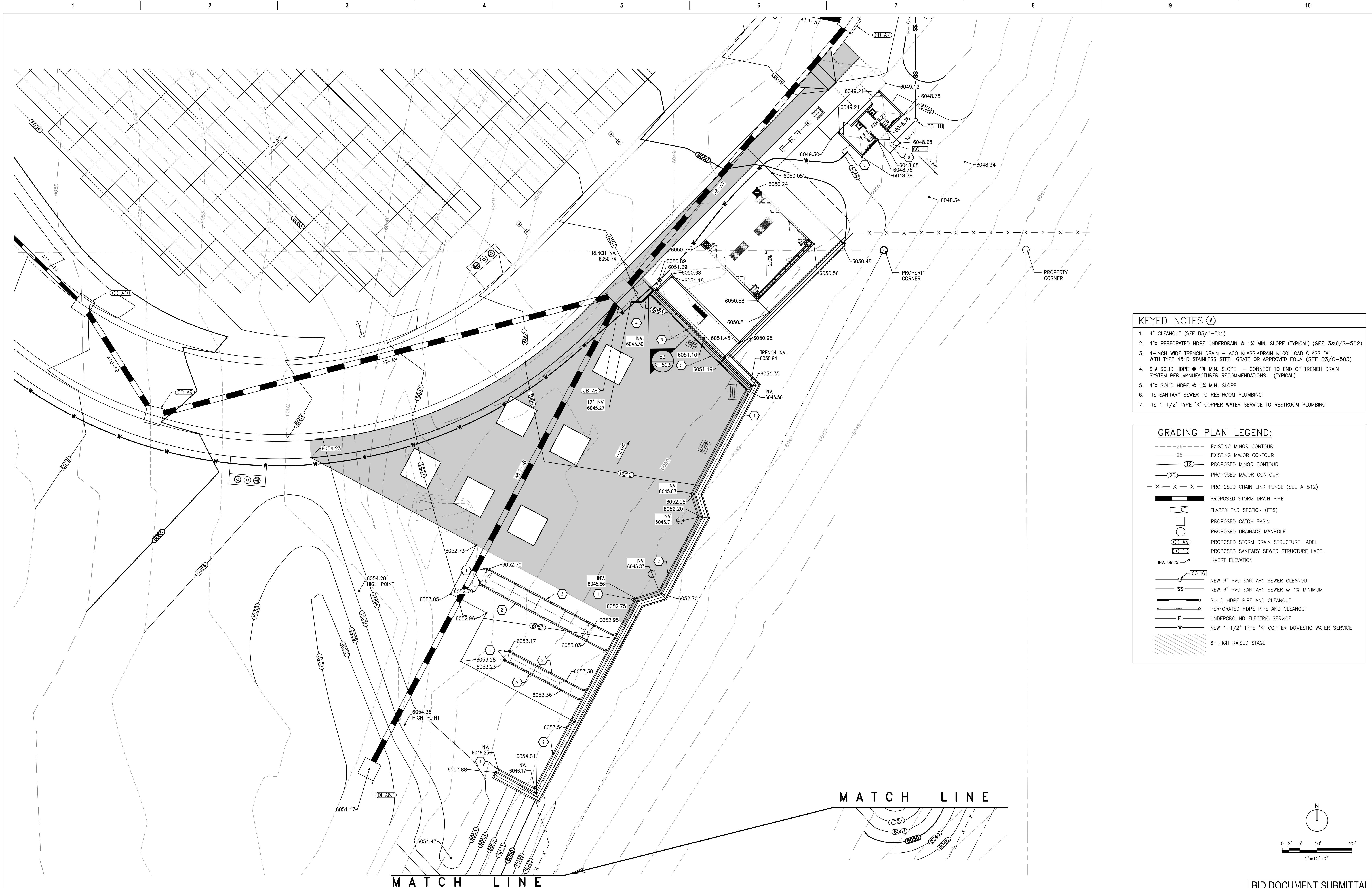
NOTE: THE FOLLOWING KEYNOTES ARE NOT USED ON THIS SHEET:
1-4, 11, 14-19, 24, 25, 30, 31, 35, 36, 38, 39, 42

N

0 2' 5' 10' 20'

1"=10'-0"

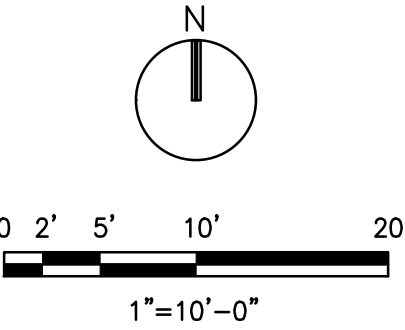
CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Drawing Title		Phase		Project Title		Project Number	
<div>wood.</div> <div>Environment & Infrastructure Solutions, Inc. 1075 BIG SHANTY ROAD, NW, SUITE 100 KENNESAW, GEORGIA 30144 (770) 421-3400</div>		<div>MRWM</div> <div>LANDSCAPE ARCHITECTS</div> <div>mrwmla.com 505 268 2266</div>		<div>VCI</div> <div>Project Management Construction Management Engineering</div> <div>18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick</div>		<div>National Cemetery Administration Design and Construction Service</div> <div>VA U.S. Department of Veterans Affairs</div>		ENLARGED SITE PLAN		NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE		942CM3001	
COMMITTAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1- REDESIGN Revisions:		4/28/2022 12/15/2021 1/22/2021 4/28/2022				Approved: Project Director Steve Davis Department of Veterans Affairs, NCA Phone: 202.632.4833 Email: steve.davis@va.gov		BID DOCUMENTS		Location Cedar City, UT		Building Number N/A	
								N/A		Issue Date 7/22/2022		Checked CAP	
										Drawn MJL		Drawing Number C-401	
												Sheet 13 of 61	



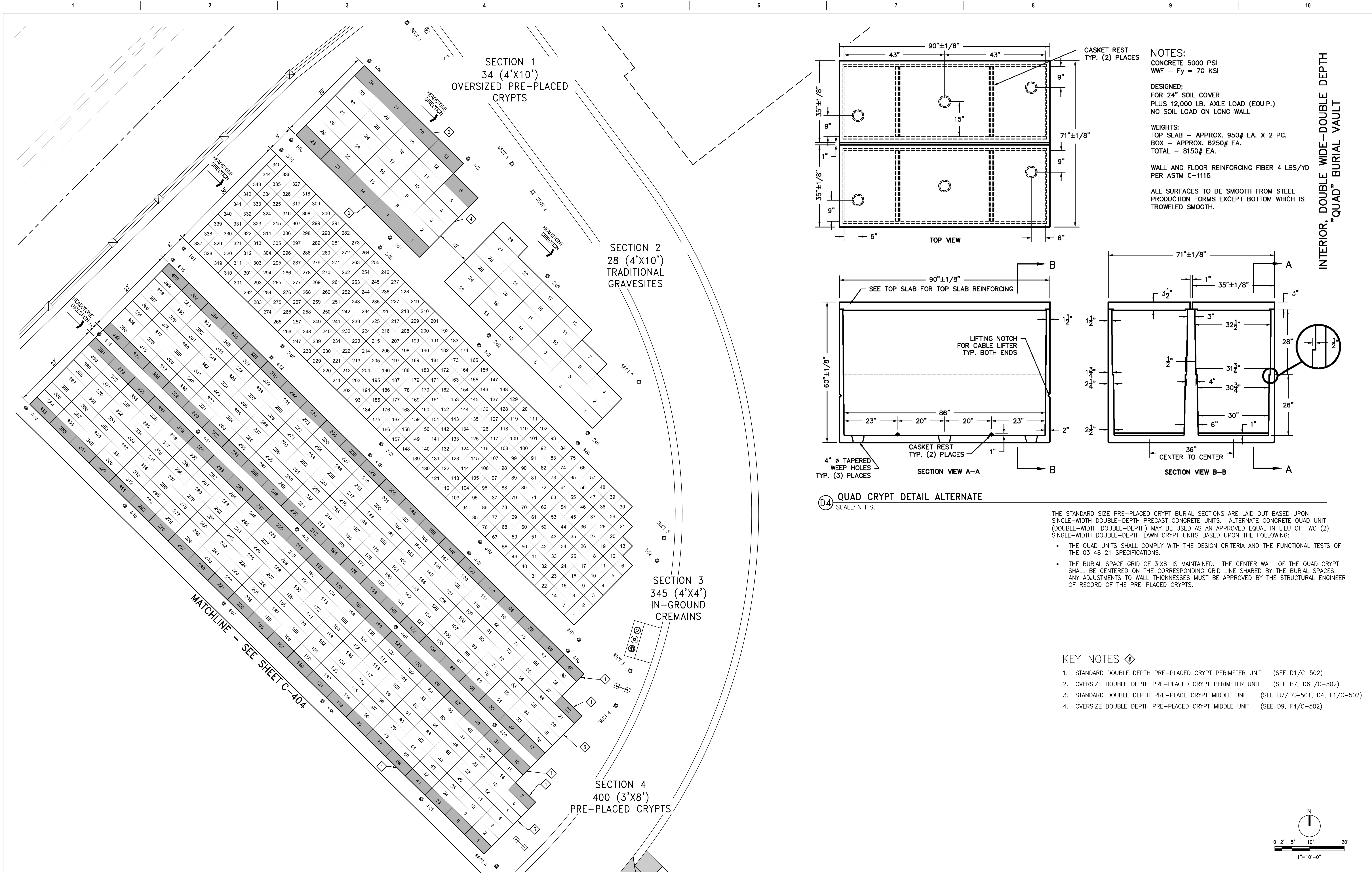
- KEYED NOTES #**
- 4" CLEANOUT (SEE D5/C-501)
 - 4" PERFORATED HDPE UNDERDRAIN @ 1% MIN. SLOPE (TYPICAL) (SEE 3&6/S-502)
 - 4-INCH WIDE TRENCH DRAIN - ACO KLASSIKDRAIN K100 LOAD CLASS "A" WITH TYPE 451D STAINLESS STEEL GRATE OR APPROVED EQUAL (SEE B3/C-503)
 - 6" SOLID HDPE @ 1% MIN. SLOPE - CONNECT 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
- PROPOSED STORM DRAIN STRUCTURE LABEL
- PROPOSED SANITARY SEWER STRUCTURE LABEL
- INVERT ELEVATION
- NEW 6" PVC SANITARY SEWER CLEANOUT
- NEW 6" PVC SANITARY SEWER @ 1% MINIMUM
- SOLID HDPE PIPE AND CLEANOUT
- PERFORATED HDPE PIPE AND CLEANOUT
- UNDERGROUND ELECTRIC SERVICE
- NEW 1-1/2" TYPE 'K' COPPER DOMESTIC WATER SERVICE
- 6" HIGH RAISED STAGE



<div>COMMITTAL SHELTER MODIFICATIONS ADDITION OF UNDERGROUND DETENTION FACILITY CD1- REDESIGN Revisions:</div>		<div>CONSULTANT</div> <div>wood. Environment & Infrastructure Solutions, Inc. 1075 BIG SHANTY ROAD, NW, SUITE 100 KENNESAW, GEORGIA 30144 (770) 421-3400</div>		<div>ARCHITECT/ENGINEER OF RECORD</div> <div>MRWM LANDSCAPE ARCHITECTS mrwmla.com 505 268 2266</div>		<div>ARCHITECT/ENGINEER OF RECORD</div> <div>VCI Project Management Construction Management Engineering 18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick</div>		<div>STAMP</div> <div></div>		<div>National Cemetery Administration Design and Construction Service</div> <div>VA U.S. Department of Veterans Affairs</div>		<div>Drawing Title</div> <div>ENLARGED GRADING PLAN</div>		<div>Phase</div> <div>BID DOCUMENTS</div>		<div>Project Title</div> <div>NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE</div>		<div>Project Number</div> <div>942CM3001</div>		<div>Building Number</div> <div>N/A</div>		<div>Location</div> <div>Cedar City, UT</div>		<div>Issue Date</div> <div>7/22/2022</div>		<div>Checked</div> <div>CAP</div>		<div>Drawn</div> <div>MJL</div>		<div>Drawing Number</div> <div>C-402</div>		<div>Sheet</div> <div>14 of 61</div>	
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		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		National Cemetery Administration Design and Construction Service		Drawing Title GRAVESITE NUMBERING PLAN - SECTIONS 1, 2, 3 AND 4		Phase BID DOCUMENTS		Project Title NATIONAL CEMETERY DEVELOPMENT CEDAR CITY RURAL INITIATIVE		Project Number 942CM3001	
		<div>wood.</div> <div>Environment & Infrastructure Solutions, Inc. 1075 BIG SHANTY ROAD, NW, SUITE 100 KENNESAW, GEORGIA 30144 (770) 421-3400</div>		<div>MRWM</div> <div>LANDSCAPE ARCHITECTS</div> <div>18300 East 71st Ave., Denver, CO, 80249 504.684.4408; Sean Fitzpatrick</div>		<div>Professional Structural Engineer 0784086-2203 DON WADE DOTSOA 07/21/2022 STATE OF UTAH</div>		VA U.S. Department of Veterans Affairs		Approved: Project Director Steve Davis Department of Veterans Affairs, NCA		N/A		Location Cedar City, UT		Building Number N/A	
COMMITTAL SHELTER MODIFICATIONS		4/28/2022								Phone: 202.632.4833 Email: steve.davis@va.gov				Issue Date 7/22/2022		Checked CAP	
ADDITION OF UNDERGROUND DETENTION FACILITY		12/15/2021												Drawn MJL		Drawing Number C-403	
CD1 - REDESIGN		1/22/2021														Sheet 15 of 61	
Revisions:		4/28/2022															

