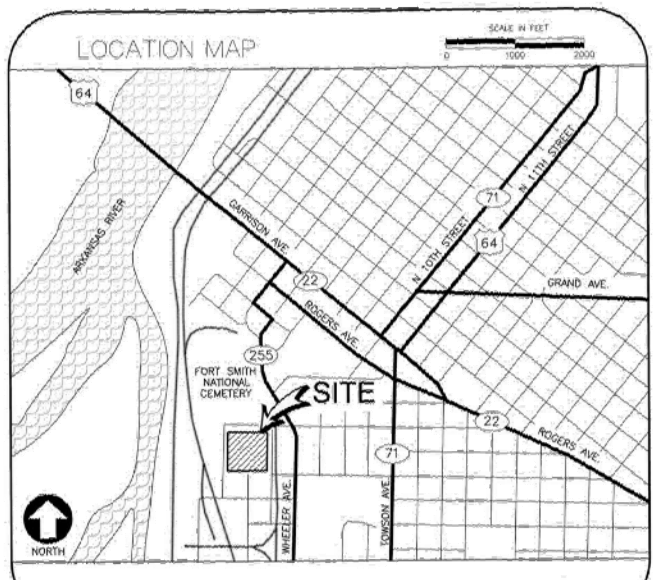
DEPARTMENT OF VETERANS AFFAIRS

FORT SMITH NATIONAL CEMETERY

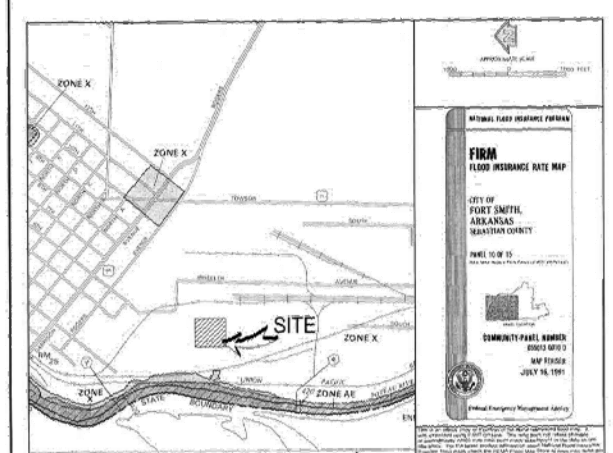
PROJECT #: 847-CM3-016B

CEMETERY IMPROVEMENTS

LOCATION MAP



FIRM PANEL



GENERAL NOTES

1. TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY AS-BUILT SURVEY PERFORMED BY MICKLE, WAGNER, COLEMAN INC. AND COMPLETED ON 11/24/08. THE GENERAL CONTRACTOR SHALL VERIFY ALL SURVEY INFORMATION.
2. ALL ELEVATIONS ARE NAVD 88 VERTICAL DATUM BASED ON CITY OF FORT SMITH MONUMENTS.
3. 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 ENGINEER 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.
4. THE CONTRACTOR SHALL INSTALL TREE PROTECTION BARRICADES PRIOR TO BEGINNING EARTHWORK OPERATIONS.
5. OFF-SITE BORROW NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR FROM SOURCES DEVELOPED BY THE CONTRACTOR. THE BORROW MATERIAL QUALITY SHALL BE APPROVED BY THE CONTRACTING OFFICER PRIOR TO BRINGING ON SITE.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
7. THE CONTRACTOR SHALL PLACE 4" OF TOPSOIL IN ALL DISTURBED AREAS NOT TO BE PAVED.
8. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE ARKANSAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, BOTH CURRENT EDITIONS.
9. CONTRACTOR SHALL GRADE ALL AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
10. THE DESIGN ADEQUACY AND SAFETY OF ALL BRACING, SHORING AND TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE SERVICES OF A QUALIFIED GEOTECHNICAL ENGINEER WHO SHALL PERFORM INVESTIGATIONS TO VERIFY THAT ALL WORK IS ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND/OR GEOTECHNICAL REPORT.
12. ALL UTILITY WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF FORT SMITH AND/ OR APPROPRIATE UTILITY COMPANY. WHERE ANY DISCREPANCIES EXIST BETWEEN THESE DOCUMENTS AND THE AFOREMENTIONED REQUIREMENTS, THE MOST STRINGENT SHALL BE ADHERED TO.
13. 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.
14. 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.
15. BURIAL CEREMONIES WILL BE SCHEDULED THROUGHOUT THE COURSE OF THIS PROJECT. DURING ALL CEREMONIES, ALL WORK SHALL STOP ESPECIALLY WHEN HEAVY EQUIPMENT ACTIVITY OR NOISE PRODUCING WORK IS BEING DONE. LIGHT WORK ACTIVITY MAY CONTINUE IF IT DOES NOT CREATE NOISE OR DISTRACTIONS TO THE CEREMONY. COORDINATE DAILY ACTIVITIES WITH THE CEMETERY DIRECTOR OR HIS APPROVED REPRESENTATIVE TO ACCOMMODATE SCHEDULED BURIALS.
16. 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 OF OFF-SITE. CLEANUP SHALL BE REQUIRED AT THE END OF EACH DAY AND/OR MORE FREQUENTLY AS REQUIRED.
17. THE AFFECT 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 WILL PROFESSIONALLY MADE SIGNAGE AND/OR OTHER APPROVED CONVENTIONAL METHODS.
18. 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.

EROSION CONTROL NOTES

1. ACTIVITIES PERFORMED ON THIS PROJECT MUST COMPLY WITH THE REQUIREMENTS OF ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY CONSTRUCTION GENERAL PERMIT ARR150000.
2. THE CONTRACTOR SHALL INSTALL THE EROSION CONTROL AND PREVENTION STRUCTURES AS SHOWN IMMEDIATELY UPON DISTURBANCE OF THE ASSOCIATED AREA.
3. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
4. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
5. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
6. EGRESS FROM THE SITE MUST BE CONTROLLED SUCH THAT ALL VEHICLES LEAVING THE SITE MUST TRAVERSE THE CONSTRUCTION ENTRANCE SHOWN.
7. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF (0.5) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED TO REPLACED, AS NECESSARY.
8. THE CONTRACTOR SHALL GRASS ALL AREAS DISTURBED BY CONSTRUCTION. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, UNLESS ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN TWENTY-ONE (21) DAYS. IF WORK IS SUSPENDED OR DELAYED FOR MORE THAN 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.

CIVIL ABBREVIATIONS

BTTM	BOTTOM	MIN	MINIMUM
BM	BENCHMARK	AHTD	ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT
BW	BOTH WAYS		
CB	CATCH BASIN	NTS	NOT TO SCALE
CI	CAST IRON	OC	ON CENTER
CL	CENTERLINE	PC	POINT OF CURVATURE
CY	CUBIC YARDS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PT	POINT OF TANGENT
CO	CLEANOUT	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	PVMT	PAVEMENT
DCVA	DOUBLE CHECK VALVE ASSEMBLY	RAD	RADIUS
DI	DROP INLET	RCP	REINFORCED CONCRETE PIPE
DIA	DIAMETER	RD	ROOF DRAIN
DIP	DUCTILE IRON PIPE	REQD	REQUIRED
DS	DOWNSPOUT	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
EL	ELEVATION	SABC	STABILIZED AGREGATE BASE COURSE
EXST	EXISTING	SF	SQUARE FEET
EW	EACH WAY	R/W	RIGHT OF WAY
FFE	FINISHED FLOOR ELEVATION	SB	SILT BARRIER
FG	FINISHED GRADE	SD	STORM DRAINAGE
FH	FIRE HYDRANT	SS	SANITARY SEWER SERVICE
FIN	FINISHED	STA	STATION
FM	FORCE MAIN	TBM	TEMPORARY BENCH MARK
GI	GRATE INLET	TC	TOP OF CURB
HDPE	HIGH DENSITY POLYETHYLENE	TG	TOP OF GUTTER
IAW	IN ACCORDANCE WITH	TP	TOP OF PAVEMENT
IE	INVERT ELEVATION	TYP	TYPICAL
JB	JUNCTION BOX	VC	VITRIFIED CLAY
LF	LINEAR FEET	W	WATER
LP	LIGHT POLE	W/	WITH
MAX	MAXIMUM	WS	WATER SERVICE
MH	MANHOLE	WV	WATER VALVE

CIVIL LEGEND

	EXISTING	NEW
WATER LINE W/ VALVE	W	W
SANITARY SEWER PIPE	S	
FORCE MAIN	F	
SANITARY SEWER SERVICE	SS	SS
WATER SERVICE	WS	WS
STORM DRAIN	SD	
PERFORATED DRAIN PIPE	SD	
FENCE	X	X
POWER LINE (OVERHEAD)	E	
POWER LINE (UNDERGROUND)	UP	
TELEPHONE LINE (OVERHEAD)	T	
TELEPHONE LINE (UNDERGROUND)	UT	

	EXISTING	NEW
GAS LINE	G	
STEAM LINE	ST	
FIBER OPTIC LINE	FO	
POWER POLE	PP	
SILT BARRIER		SB
TREE BARRICADE		TB
SANITARY MANHOLE	MH	
SEWER CLEANOUT		CO
CATCH BASIN	CB	CB
FIRE HYDRANT		
CONTOUR	24	25
SPOT ELEVATION	+ 25.36	25.40 x
DRAINAGE FLOW ARROW		

	EXISTING	NEW
CONCRETE		
ASPHALT PAVING		
ASPHALT SEAL COAT		
ASPHALT MILL & OVERLAY		
ITEMS TO BE DEMOLISHED		
EXISTING TREE	VARIES (SEE LANDSCAPE DWGS)	
TREE TO BE DEMOLISHED		
FLAG POLE BASE		
GRAVESITE CONTROL MARKER		
GRAVE SECTION MARKER		
FLOWER WATERING STATION		

DRAWING INDEX

IFB-1	X-1	Cover and Notes
IFB-2	L-1	Overall Site Master Plan
IFB-3	L-2	Administration Building Site Plan
IFB-5	L-24	Fence and Gate Details

Revisions	Date

ENGINEER:

SURVEYOR:

NATIONAL CEMETERY ADMINISTRATION

Drawing Title: COVER & NOTES	Project Title: CEMETERY IMPROVEMENTS		Date: 09-15-2016
			Project No.: 847CM3016B
Approved: Director, Technical Support Service	Building Number	Checked: SD / Drawn: JLM	DRAWING NO.: X-1
Approved: Chief, Architectual & Engineering Division	Location: FORT SMITH, ARKANSAS		IFB: 1 of 4