

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RO. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
	~			J08	NO.	061434	2	17

2 INDEX OF SHEETS AND STANDARD DRAWINGS

INDEX OF SHEETS

SHEET NO. TITLE

	1		TITLE SHEET
	2		INDEX OF SHEETS AND STANDARD DRAWINGS
	3		GOVERNING SPECIFICATIONS AND GENERAL NOTES
	4		INTERSECTION IMPROVEMENT DETAIL
	5		MAINTENANCE OF TRAFFIC
	6		PERMANENT PAVEMENT MARKING DETAIL
-	8		QUANTITIES
	9		SUMMARY OF QUANTITIES AND REVISIONS
-	11		SURVEY CONTROL DETAILS
	12		TRAFFIC SIGNAL NOTES
	13		TRAFFIC SIGNAL QUANTITIES
_	17		SIGNALIZATION PLAN SHEETS
		3 4 5 6 - 8 9 - 11	3 4 5 5 6 5 7 8 9 7 11 12 12 12 12 12 12 12 12 12 12 12 12

ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
CG-1	CURBING DETAILS	11-29-07
DR-1	DETAILS OF DRIVEWAYS & ISLANDS	02-27-14
PM-1	PAVEMENT MARKING DETAILS	06-01-17
RRS-1	PAVEMENT MARKING FOR RAILROAD CROSSING	12-08-16
SD-5	CONTROLLER CABINET UTILITY DRAWER	09-12-13
SD-6	HEAVY DUTY PULL BOX	09-02-15
SD-8	SIGNAL HEAD PLACEMENT	12-08-16
SD-9	SERVICE POINT	09-12-13
SD-11	STEEL POLE WITH MAST ARM	12-08-16
TC-1	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	04-13-17
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	09-02-15
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	09-02-15
TEC-1	TEMPORARY EROSION CONTROL DEVICES	12-15-11
WR-1	WHEELCHAIR RAMPS NEW CONSTRUCTION AND ALTERATIONS	11-10-05

LOCATION: MILITARY DRIVE/PARKWAY DRIVE NORTH LITTLE ROCK CI TY:

COUNTY: PULASKI

DATE: 05-17-17 FILE NAME: t061434_job.dgn

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RO. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				J08	NO.	061434	3	17

(2) GOVERNING SPECS. AND GENERAL NOTES

GOVERNING SPECIFICATIONS

ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

NUMBER	TITLE
ERRATA	_ ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
	_ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS
	_ SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140)
	_ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES
	_ SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
	_ SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
	_ SUPPLEMENT - WAGE RATE DETERMINATION
	_ CONTRACTOR'S LICENSE
	_ ISSUANCE OF PROPOSALS
	_ LIQUIDATED DAMAGES
108-2	_ WOK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
303-1	_ AGGREGATE BASE COURSE
	_ TACK COATS
	_ CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
	_ RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
_	_ BIDDING REQUIREMENTS AND CONDITIONS
	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
	_ CABINET DRAWER ASSEMBLY
	_ CARGO PREFERENCE ACT REQUIREMENTS
_	_ DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
	_ EDGE CARD VIDEO PROCESSOR
	_ ELECTRICAL CONDUCTORS FOR LUMINAIRES
	_ ELECTRICAL CONDUCTORS-IN-CONDUIT
	_ EMERGENCY BATTERY BACKUP SYSTEM INSTALLATION
	_ FIBER OPTIC BLANK OUT SIGN
JOB 061434_	_ INSURANCE, CONSTRUCTION, AND FLAGGING REQUIREMENTS ON RAILROAD PROPERTY (UPRR)
	_ LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
	_ LED LUMINAIRE ASSEMBLY (BUG U0 TYPE)
	_ LED TRAFFIC SIGNAL HEAD
	_ MANDATORY ELECTRONIC CONTRACT
	_ MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
	_ SERVICE POINT ASSEMBLY (TRAFFIC CONTROL DEVICES)
	_ STREET NAME SIGN (MAST ARM MOUNTED) SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
_	
	_ SYSTEM LOCAL CONTROLLER _ UTILITY ADJUSTMENTS
	_ VIDEO DETECTOR (COLOR)
	_ VIDEO DE TECTOR (COLOR) _ WARM MIX ASPHALT
JUD 001434_	_ WANINI IVIM AOFITAL I

GENERAL NOTES

- 1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON PLANS.
- 2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- 3. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- 5. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 6. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- 7. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB.
- 8. THIS PROJECT IS COVERED UNDER A SECTION 404 NATIONWIDE 14 PERMIT. REFER TO SECTION 110 OF THE STANDARD SPECIFICATIONS, EDITION OF 2014, FOR PERMIT REQUIREMENTS.
- 9. ALL FLEXIBLE BASE AND ASPHALTIC PAVEMENTS REMOVED SHALL BE PAID FOR UNDER THE ITEM NO. 210 - UNCLASSIFIED EXCAVATION.
- 10. THE EXISTING ASPHALT PAVEMENT TO BE REMOVED FROM THE REMAINING PAVEMENT SHALL BE SEPARATED BY SAWING ALONG A NEAT LINE. AFTER SAWING, THE PAVEMENT TO BE REMOVED SHALL BE CAREFULLY REMOVED IN A MANNER THAT WILL NOT DAMAGE THE PAVEMENT THAT IS TO REMAIN. ANY DAMAGE OF THE ASPHALT PAVEMENT THAT IS TO REMAIN IN PLACE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

LOCATION:

MILITARY DRIVE/PARKWAY DRIVE

CI TY:

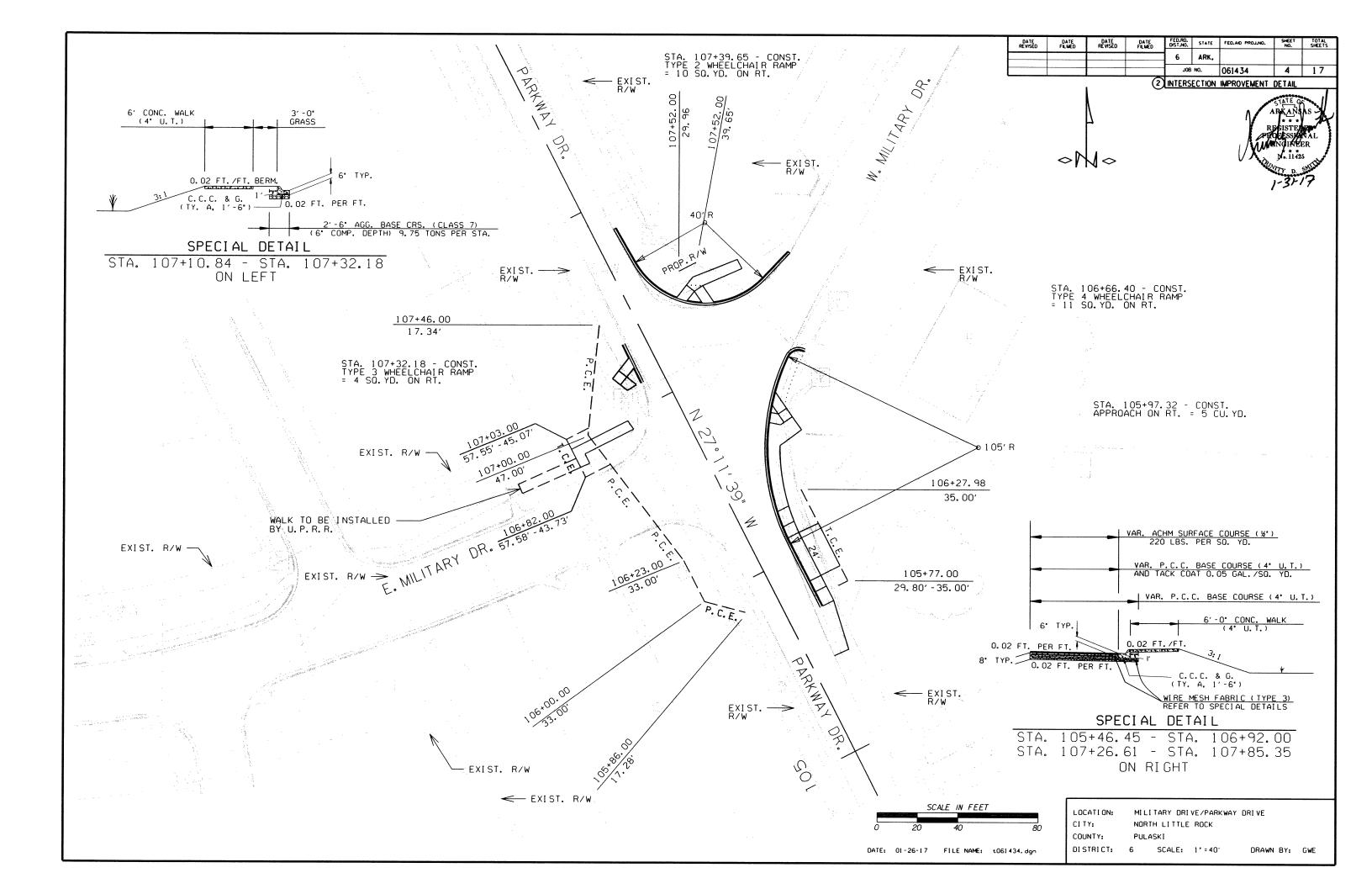
NORTH LITTLE ROCK

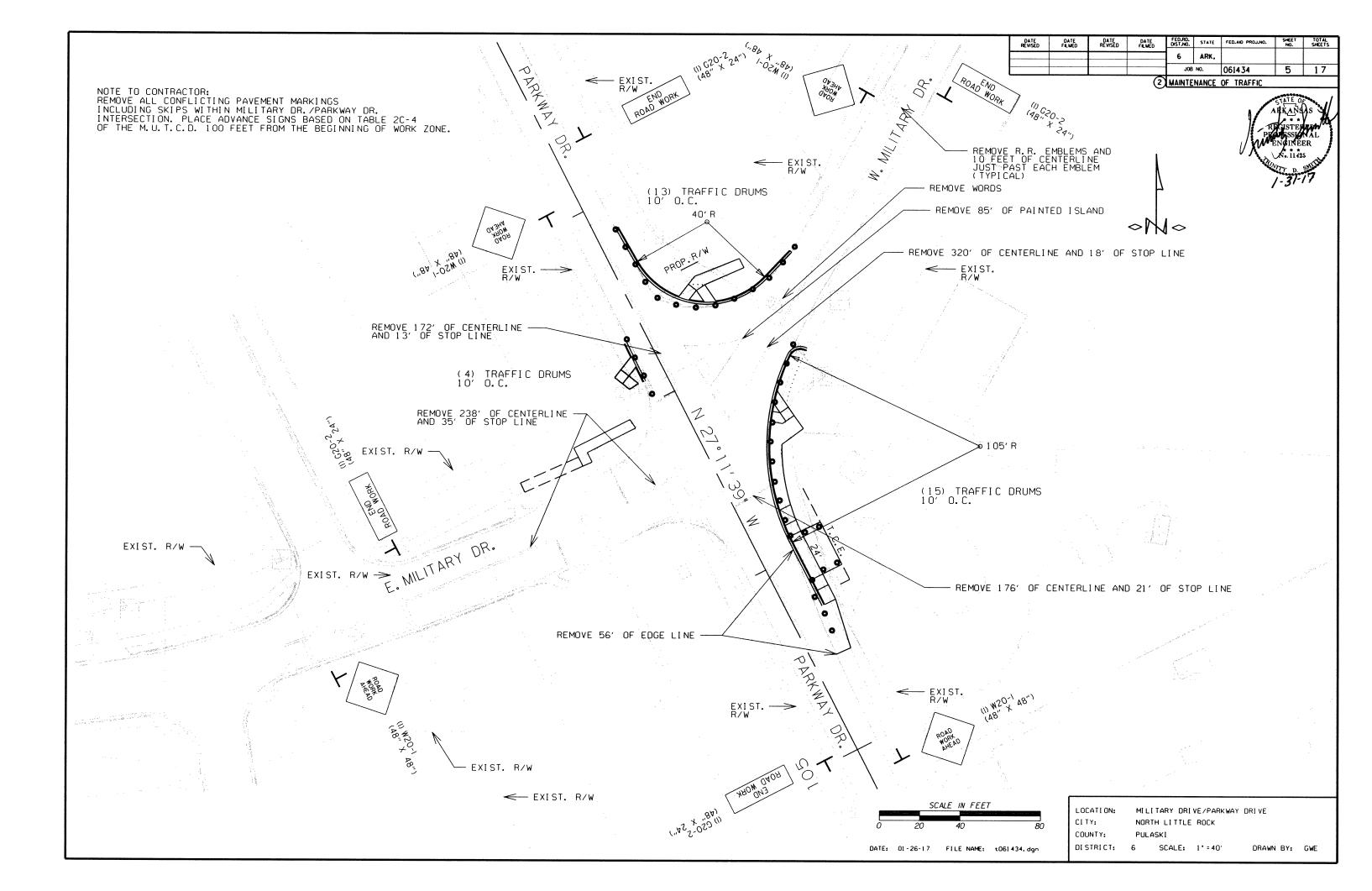
SCALE: N/A

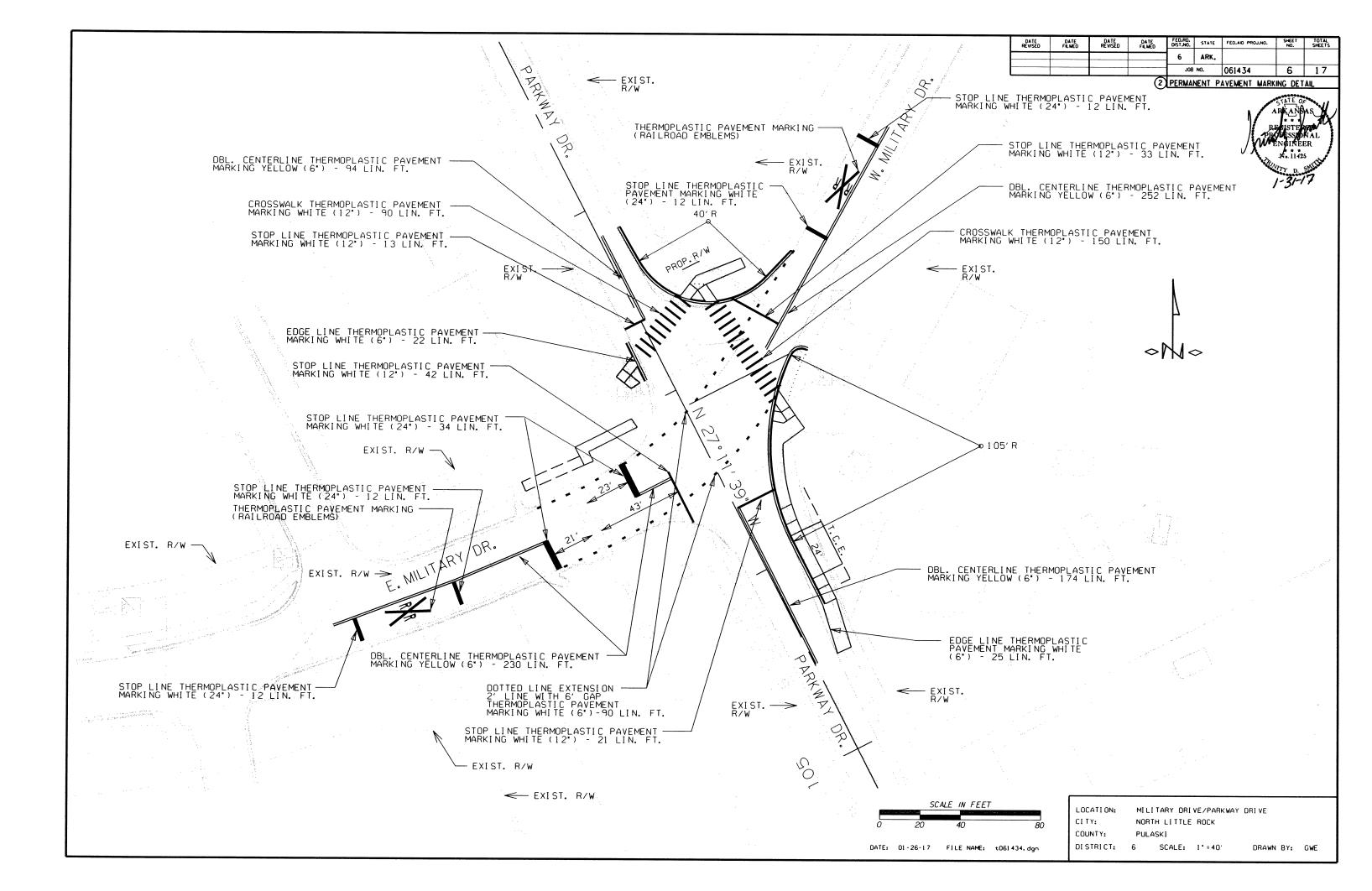
COUNTY: PULASKI DISTRICT: 6

DRAWN BY: GWE

DATE: 04-04-17 FILE NAME: t061434_job.dgn







CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

CONSTRUCTION PA	VENIENT MAN	KINGS AND P	CKIVIAINEI	I PAVEIVIE	NI WARN	INGS			
DESCRIPTION	JOB TOTAL	REMOVAL OF PERMANENT PAVEMENT	REMOVAL OF PERMANENT PAVEMENT MARKINGS		THERMOPLASTIC PAVEMENT MARKING				
		MARKINGS	WORDS	RAILROAD		6"		24" WHITE	RAILROAD
				EMBLEMS	WHITE	YELLOW	12" WHITE		EMBLEMS
	LIN. FT EACH	LIN. FT.	EACH		LIN. FT.			EACH	
REMOVAL OF PERMANENT PAVEMENT MARKINGS	906	906							
REMOVAL OF PERMANENT PAVEMENT MARKINGS (WORDS)	1		1						AMORPHONIS IN CO. III.
REMOVAL OF PERMANENT PAVEMENT MARKINGS (RAILROAD EMBLEMS)	2			2					
THERMOPLASTIC PAVEMENT MARKING WHITE (6")	414				414				
THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	750					750			
THERMOPLASTIC PAVEMENT MARKING WHITE (12")	349						349		
THERMOPLASTIC PAVEMENT MARKING WHITE (24")	58							58	
THERMOPLASTIC PAVEMENT MARKING (RAILROAD EMBLEMS)	2								2
TOTALS:		906	1	2	414	750	349	58	2

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RO. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	061434	7	17

2 OUANTITIES

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	JOB TOTAL	MAXIMUM NUMBER REQUIRED	TOTAL SIGI	TOTAL SIGNS REQUIRED	
			LIN. FT EACH		NO.	SQ. FT.	EACH
W20-1	ROAD WORK AHEAD	48"x48"	4	4	4	64.0	
G20-2	END ROAD WORK	48"x24"	4	4	4	32.0	
	TRAFFIC DRUMS		36	36			36
TOTALS:	IS A LOW TRAFFIC VOLUME ROAD AS DEFINE	L			<u> </u>	96.0	36

FARTHWORK

STATION	STATION	LOCATION / DESCRIPTION	UNCLASSIFIED EXCAVATION	COMPACTED EMBANKMENT	
			CU. YD.		
105+46.45	106+92.02	PARKWAY DRIVE ON RT.	32	32	
105+97.32		DRIVEWAY APPROACH ON RT.		5	
106+87.10	107+32.21	PARKWAY DRIVE ON LT.	16	16	
107+26.64	107+85.28	PARKWAY DRIVE ON RT.	11	11	
TOTALS:			59	64	

NOTE: EARTHWORK QUANTITIES SHOWN ABOVE SHALL BE PAID AS PLAN QUANTITY.

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

EROSION CONTROL

			PERMANENT	EROSION CONTROL	TEMPORARY EROSION CONTROL		
STATION	STATION	LOCATION	WATER	SOLID SODDING	SILT FENCE	*SEDIMENT REMOVAL & DISPOSAL	
					(E-11)	DISPUSAL	
			M.GAL.	SQ.YD.	LIN. FT.	CU. YD.	
106+70.94	106+92.65	PARKWAY DRIVE ON RT.	0.1	9			
107+10.84	107+19.44	PARKWAY DRIVE ON LT.	0.1	4			
107+24.99	107+32.18	PARKWAY DRIVE ON LT.	0.1	6			
107+27.86	107+83.50	PARKWAY DRIVE ON RT.	0.4	32			
*ENTIRE PRO	JECT TO BE I	USED IF AND WHERE DIRECTED BY THE ENGINEER.			150	6	
TOTALS:			0.7	51	150	6	

BASIS OF ESTIMATE:

WATER.... ..12.6 GAL. / SQ. YD. OF SOLID SODDING

*QUANTITIES ESTIMATED.

SEE SECTION 104.03 OF THE STD. SPECS.

REMOVAL AND DISPOSAL OF ITEMS

STATION	STATION	LOCATION	CURB AND GUTTER	WALKS
			LIN. FT.	SQ. YD.
106+79.54	107+32.20	PARKWAY DRIVE ON LT.	21	26
107+27.86	107+83.50	PARKWAY DRIVE ON RT.	69	22
TOTALS:		90	48	

CLEARING AND GRUBBING

STATION STATION LOCATION	LOCATION	CLEARING	GRUBBING	
			STA	TION
106+00	108+00	PARKWAY DRIVE ON RT.	2	2
TOTALS:		<u> </u>	2	2

DATE: 01-26-17 FILE NAME: t061434_job.dgn

LOCATION: MILITARY DRIVE/PARKWAY DRIVE

CITY: NORTH LITTLE ROCK

COUNTY:

CONCRETE WALKS

STATION	STATION	LOCATION	LENGTH	CONCRETE WALKS
			LIN. FT.	SQ.YD.
106+23.48	106+92.02	PARKWAY DRIVE ON RT.	69	40
106+87.10	107+32.21	PARKWAY DRIVE ON LT.	48	27
107+26.64	107+85.28	PARKWAY DRIVE ON RT.	26	14
TOTALS:				81

CONCRETE COMBINATION CURB AND GUTTER

STATION	STATION LOCATION		TYPE A (1' 6")
			LIN. FT.
106+23.48	106+92.02	PARKWAY DRIVE ON RT.	126
106+87.10	107+32.21	PARKWAY DRIVE ON LT.	16
107+26.64	107+85.28	PARKWAY DRIVE ON RT.	101
TOTAL:			243

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RO. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				J0B	NO.	061434	8	17

2 QUANTITIES



WHEELCHAIR RAMPS

STATION	LOCATION	TYPE 2	TYPE 3	TYPE 4	
			SQ.YD.		
106+57	PARKWAY DRIVE ON RT.			11.9	
107+25	PARKWAY DRIVE ON LT.		4.0		
107+36	PARKWAY DRIVE ON RT.	10.2			
TOTALS:		10.2	4.0	11.9	

BASE AND SURFACING

BACE AND SON ACING													
			LENGTH	AGGREGAT COURSE (C			TACK	COAT		ACHM SURFACE COURSE (1/2")			
STATION	STATION	LOCATION	LENOTT	TON / STATION	TON	AVG. WID.	SQ.YD.	GALLONS / SQ.YD.	GALLON	AVG. WID.	SOYD POUND/ P	TOTAL PG 70-22	
			FEET	STATION		FEET		SQ.TD.		FEET		SQ.YD.	TON
MAIN	LANES											L	
105+46.45	105+71.70	PARKWAY DRIVE NOTCH ON RT.	25.25			9.09	25.50	0.05	1.28	9.09	25.50	220.00	2.81
105+71.70	106+03.47	PARKWAY DRIVE NOTCH ON RT.	31.77			2.50	8.83	0.05	0.44	2.50	8.83	220.00	0.97
107+10.84	107+32.18	PARKWAY DRIVE NOTCH ON LT.	21.34	9.75	2.08								0.07
107+26.10	107+85.35	PARKWAY DRIVE NOTCH ON RT.	25.00			VAR.	14.11	0.05	0.71	VAR.	14.11	220.00	1.55
TOTALS:					2.08		48.44		2.43		48.44		5.33

BASIS OF ESTIMATE:

ACHM SURFACE COURSE (1/2")......94.6% MIN. AGGR......5.4% ASPHALT BINDER

MAXIMUM NUMBER OF GYRATIONS = 160 FOR PG 70-22

ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC

MAINTENANCE OF TRAI	1 10	
LOCATION	TON	TACK COAT
		GALLON
ENTIRE PROJECT - TO BE USED IF AND WHERE	2	4
DIRECTED BY THE ENGINEER		
TOTALS:	2	4

BASIS OF ESTIMATE:

ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC...25 TON/MILE TACK COAT FOR MAINTENANCE OF TRAFFIC......50 GAL./MILE

CONCRETE BASE

			LENGTH	PORTLAND CEMENT	CONCRETE BASE
STATION	STATION	LOCATION	LENGTH	AVG. WID.	4" U.T.
			FEET	FEET	SQ. YD.
105+71.70	106+03.47	PARKWAY DRIVE ON RT. NOTCH IN FRONT OF CURB	31.77	2.50	8.83
105+71.70	106+03.47	PARKWAY DRIVE ON RT. NOTCH UNDER CURB	31.77	5.00	17.65
106+03.47	106+92.00	PARKWAY DRIVE ON RT. NOTCH UNDER CURB	109.73	2.50	30.48
107+26.61	107+85.35	PARKWAY DRIVE ON RT. NOTCH IN FRONT OF CURB	112.18	VAR.	14.11
107+26.61	107+85.35	PARKWAY DRIVE ON RT. NOTCH UNDER CURB	112.18	VAR.	44.89
TOTALS:			.1		115.96

DRIVEWAYS & TURNOUTS

		DRIVE	EVVAYS&	IUKIYUUI 3				
STATION	SIDE	LOCATION	WIDTH	**MODIFII	ED CURB	PORTLAND CEMENT CONCRETE DRIVEWAY	AGGREGATE BASE COURSE (CLASS 7)	
			FEET	STATION	STATION	SQ. YD.	TON	
105+97.32	RT.	PARKWAY DRIVE	24	105+71.32	106+23.32	63.12		
ENTIRE PROJ	ECT TEMPOR	I RARY DRIVES					15.00	
TOTALS:		L				63.12	15.00	

* QUANTITY ESTIMATED

SEE SECTION 104.03 OF THE STD. SPECS.

TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

LOCATION: MILITARY DRIVE/PARKWAY DRIVE

CITY:

NORTH LITTLE ROCK

COUNTY: **PULASKI**

DISTRICT: 6 SCALE: N/A DRAWN BY: GWE

DATE: 01-26-17 FILE NAME: t061434_job.dgn

SUMMARY OF QUANTITIES

TEM NUMBER	ITEM	QUANTITY	UNIT
201	CLEARING	2	STATIO
201	GRUBBING	2	STATIO
202	REMOVAL AND DISPOSAL OF CURB AND GUTTER	90	LIN. FT
202	REMOVAL AND DISPOSAL OF WALKS	48	SQ. YD
210	UNCLASSIFIED EXCAVATION	59	CU. YD
210	COMPACTED EMBANKMENT	64	CU. YD
SS & 303	AGGREGATE BASE COURSE (CLASS 7)	17	TON
309	PORTLAND CEMENT CONCRETE BASE (4" UNIFORM THICKNESS)	116	SQ. YD
SS & 401	TACK COAT	6	GAL.
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	4	TON
SP, SS, & 407	ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSÉ (1/2")	1	TON
SP & 414	ASPHALT CONCRETE PATCHING FOR MAINTENANCE OF TRAFFIC	2	TON
505	PORTLAND CEMENT CONCRETE DRIVEWAY	63.12	SQ. YD
601	MOBILIZATION	1.00	LUMP SU
603	MAINTENANCE OF TRAFFIC	1.00	LUMP SU
SS & 604	SIGNS	96	SQ. FT
SS & 604	TRAFFIC DRUMS	36	EACH
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS	906	LIN. FT
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS (WORDS)	1	EACH
604	REMOVAL OF PERMANENT PAVEMENT MARKINGS (RAILROAD EMBLEMS)	2	
620	WATER		EACH
621	SILT FENCE	0.7	M. GAL
621	SEDIMENT REMOVAL AND DISPOSAL	150	LIN. FT
624	SOLID SODDING	6	CU. YD
633	CONCRETE WALKS	51	SQ. YD
634	CONCRETE WALKS CONCRETE COMBINATION CURB AND GUTTER (TYPE A) (1' 6")	81	SQ. YD
635	ROADWAY CONSTRUCTION CONTROL	243	LIN. FT
641	WHEELCHAIR RAMPS (TYPE 2)	1.00	LUMP SU
641		10	SQ. YD
641	WHEELCHAIR RAMPS (TYPE 3)	4	SQ. YD
	WHEELCHAIR RAMPS (TYPE 4)	12	SQ. YD
SP & 701	SYSTEM LOCAL CONTROLLER TS2-TYPE 2 (8 PHASES)	1	EACH
SP	LOCAL RADIO WITH ANTENNA	1	EACH
SP	BATTERY BACKUP SYSTEM	1	EACH
SP	ANTENNA CABLE (TYPE 6)	70	LIN. FT
SP	FIBER OPTIC BLANK OUT SIGN	2	EACH
	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	8	EACH
	TRAFFIC SIGNAL HEAD, LED, (5 SECTION, 1 WAY)	2	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	4	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	1080	LIN. FT
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	100	LIN. FT
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	114	LIN. FT
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	348	LIN. FT
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	388	LIN. FT
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., E.G.C.)	100	LIN. FT
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	20	LIN. FT
	ELECTRICAL CONDUCTORS FOR LUMINAIRES	244	LIN. FT
709	GALVANIZED STEEL CONDUIT (1.25")	20	LIN. FT
	NON-METALLIC CONDUIT (1.25")	20	LIN. FT
	NON-METALLIC CONDUIT (2")	20	
	NON-METALLIC CONDUIT (3")	355	LIN. FT
	CONCRETE PULL BOX (TYPE 2)		LIN. FT
	CONCRETE PULL BOX (TYPE 2 HD)	1 1	EACH
	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (20')	5	EACH
	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (20')	1 1	EACH
	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (30') TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (42')	1 1	EACH
	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (42') TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (38'-18')		EACH
SP SP	LED LUMINAIRE ASSEMBLY	1 1	EACH
	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	2	EACH
		1	EACH
	SERVICE POINT ASSEMBLY (2 CIRCUITS)	1	EACH
	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	414	LIN. FT.
	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	349	LIN. FT
	THERMOPLASTIC PAVEMENT MARKING WHITE (24")	58	LIN. FT.
	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	750	LIN. FT
	THERMOPLASTIC PAVEMENT MARKING (RAILROAD EMBLEMS)	2	EACH
	18" STREET NAME SIGN	4	EACH
	VIDEO DETECTOR (CLR)	5	EACH
	VIDEO CABLE	676	LIN. FT.
	VIDEO MONITOR (CLR)	1 1	EACH
	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	3	EACH
	VEHICLE DETECTOR RACK (16 CHANNEL)		EACH
			LACH

	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.		FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
١					6	ARK.			
- 1					IOD	NO.	001474	^	1.7

JOB NO. 061434 9 13
2 SUMMARY OF QUANTITIES AND REVISIONS



REVISIONS

DATE	REVISION	SHEET NUMBER

LOCATION: MILITARY DRIVE/PARKWAY DRIVE

CITY: NORTH LITTLE ROCK

UNTY: PULASKI

SURVEY CONTROL COORDINATES

Units.

Project Name: 3/9/2015

Coordinate System: Arkansas State Plane Coordinates

Based on AHTD GPS PTS · 600057A & 600048 Projected to Ground Coordinates

U.S. Survey Foot

COORDINATES LISTED BELOW ARE GROUND (Localized) COORDINATES !!!!

Point							Feature	
No.	Northing	SY	Easting	SX	Elevation	SZ	Code	Point Description
1	168885.6747	0.0340	1224929 0452	0 0330	298.94	0.002	CTL	PD:AHTD STD MON STAMPED T-1
2	169427.5506	0.0380	1224606.7951	0.0340	314.64	0.002	CT	PD-AHTD STD. MON STAMPED T-2
3	170193.4915	0.0330	1224658.0849	0.0300	320.49	0.003	CTL	PD:AHTD STD MON STAMPED T-3
4	170803.7894	0.0330	1224804.9818	0 0310	310.55	0.004	CTL	PD:AHTD STD. MON STAMPED T-4
5	171437.3306	0.0320	1224935.9137	0 0310	293.34	0.003	CTL	PD:AHTD STD MON STAMPED T-5
6	172094.0611	0.0360	1224750 1490	0.0310	305.32	0.002	CTL	PD:AHTD STD MON STAMPED T-6
7	172614.9452	0.0330	1224176.0559	0.0290	315.55	0.003	CTL	PD:AHTD STD. MON STAMPED T-7
8	169388.3248	0.0330	1223689.9852	0.0340	371.76	0.004	CTL	PD:AHTD STD. MON STAMPED T-8
9	169608.6698	0.0380	1225414.2814	0.0350	279.47	0.003	CTL	PD:AHTD STD. MON STAMPED T-9
10	170061.7208	0.0360	1225208.2244	0.0350	283.52	0.003	CTL	PD:AHTD STD. MON STAMPED T-10
11	170604.1116	0.0330	1224739.7006	0.0360	289.43	0.003	CTL	PD-AHTD STD. MON STAMPED T-11
12	171416.0689	0.0410	1224313.8107	0.0370	297.88	0.003	CTL	PD:AHTD STD. MON STAMPED T-12
13	172033.1443	0.0500	1224064.5988	0.0330	299.90	0.004	CTL	PD:AHTD STD. MON STAMPED T-13
14	171290.0121	0.0350	1223496.9901	0.0300	312.16	0.004	CTL	PD:AHTD STD. MON STAMPED T-14
15	172524.5853	0.0350	1225084 6804	0.0320	309.41	0.003	CTL	PD.AHTD STD. MON STAMPED T-15
900	168519.1299	0.0620	1225257.9539	0.0520	276.15	0.003	TBM	PD:CH. SQ. IN CNTR HW, 12' N OF EP THERESA DR
901	170221.1553	0.0420	1224712.1610	0.0430	321.54	0.003	TBM	PD:CHL SQ IN S-E COR BR, AMBOY OVERPASS 1941, HWY 365
902	170784.8996	0.0600	1224839.9661	0.0540	312.25	0.004	TBM	PD:CHL SQ IN N-E COR OF BR, AMBOY OVERPASS 1941
903	172659.7166	0.0510	1224118.3754	0.0490	316.07	0.003	TBM	PD:CHL SQ IN CENTER OF HW, 21.5' E OF EP 365
904	169344.0459	0.0540	1223572.7420	0.0500	376.19	0.004	TBM	PD:CHL SQ IN BASE OF LIGHT POLE, 12' W OF EP C H BOYER
905	169615.1854	0.0540	1225288 0321	0.0510	284.26	0.003	TBM	PD:CHL SQ IN S-W COR PARKWAY BR
906	170233.1013	0.0460	1225029.8224	0.0470	285.87	0.003	TBM	PD:CHL SQ IN N-E COR OF BR PARKWAY ST
907	171575.0752	0.0660	1224222.9825	0.0690	294.49	0.003	TBM	PD:CHL SQ UNDER RR AT PARKWAY ST, 13' E OF E TRACK
998	171958.9661	0.0590	1224837.1022	0.0570	301.82	0.000	BM	PD:H 290, SS ROD AT S-E COR MC AURTHUR DR AND ROCK ST
999	169244.6240	0.0420	1224783.9652	0.0420	308.28	0.000	BM	PD:G 290, SS ROD, 9 5' W OF ATM US BANK, 37' N OF EP THERESA DR
102	178138.3240	0.0000	1215530.4163	0.0000	298.54	0.000	GPS	PD:AHTD GPS 600048
101	172380.6245	0.0000	1223804.6379	0.0000	305.43	0.004	GPS	PD:AHTD GPS 600057A

*Standard Primary Control Monument - Rebar and Cap - Standard - 5/8"x 24" Rebar with 2"Aluminum Cap stamped "(include all common information here)" plus other markings indicated in the point description of the individual point. AHTD monuments will be stamped "Arkansas Hwy & Trans Dept" with "PN: ###" & "Job ######". Monuments that are set by Consultants will be stamped "Arkansas Hwy & Trans Dept" with "PN:###", "Job######". & "PS####". The consultant Professional Surveyor in charge will stamp his/her PS license number on the cap.

**Standard GPS Control Point Monument - 5/8" x 48" Rebar with 2.5" Aluminum Cap stamped: "(include all common information here)" plus other markings indicated in the point description of the individual point. These monuments will be stamped "Ark. State Hwy Trans. Dept.", "GPS Survey", & "Point No. ######". SX, SY, SZ - Represents the standard error estimate of the coordinate values of each point at the 67% confidence level (one sigma) based on the least squares analysis of the control network. See the AASHTO SDMS Technical Data Guide data tag definition for SX:, SY., and SZ: for additional information. These values shall be used when control points are added and the entire network is reprocessed using least square analysis. A value of 0.001 is defined as fixed (no adjustment) in the least square analysis process. A value of 30 is defined as location by handheld GPS device or scaled from USGS Quadmap.

Reference Control points (1500 series) shall be used to re-establish horizontal datum if the primary control has been destroyed. These reference control points shall not be used for vertical control unless the elevation has been established from the project datum with 3-wire level techniques.

All additional project control shall be occupied, measured, and adjusted with direct survey ties to at least two of the control points listed in the table above. New survey control shall not be independent of the survey control listed above. This includes horizontal coordinates and elevations.

Positional Accuracy:	Horizontal - GPS (1.0 cm± 1PPM)	PN: 100-101
	Horizontal - Primary (2.0cm± 20PPM):	PN:1-15
	Horizontal - Secondary (3 cm ± 50PPM).	PN:N/A
	Vertical - NGS 1st Order (±4mm x Vdist in km)	PN:998 & 999

Vertical - NGS 2nd Order (±6mm x vdist in km) PN:N/A Vertical - NGS 3rd Order (±8mm x vdist in km) PN:N/A

Horizontal Datum: NAD 1983 (1997) State Plane Zone. 0301 - North Zone The adjustment year is based on metadata in the SDMS Control file A project CAF of: 1.0000135471 has been used to compute the above coordinates.

 ${\it The project CAF shall have a minimum precision of 9 digits right of the decimal.}$ This CAF is intended for use within the project limits only.

Grid Distance = Ground Distance X CAF

If Coordinates are listed as Ground.

To compute Grid Coordinates, multiply the Ground Coordinates by CAF about the origin of X=0 & Y=0

If Coordinates are listed as Grid:

To compute Ground Coordinates, divide the Grid Coordinates by CAF about the origin of X=0 & Y=0

Vertical Datum: NAVD 1988 based NGS BM:

A project Elevation Factor of $\underline{0.9999853256}$ has been computed and incorporated in the above CAF.

This is based on the average elevation of the project. 306.79 Feet
3-Wire Leveling techniques have been used to establish elevations on Points: <u>1-15, 100-101</u> From NGS BM: G 290 & H290

Basis of Bearing: Grid Bearings based on AHTD GPS points: 600057A & 600048

Convergence Angle is. 01 20 08.98 LEFT at PN: 11 LT: 34-48-06 N LG: 092-17-30 W

Grid Azimuth = Astronomical Azimuth - Convergence Angle

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2 SURVEY CONTROL DETAILS

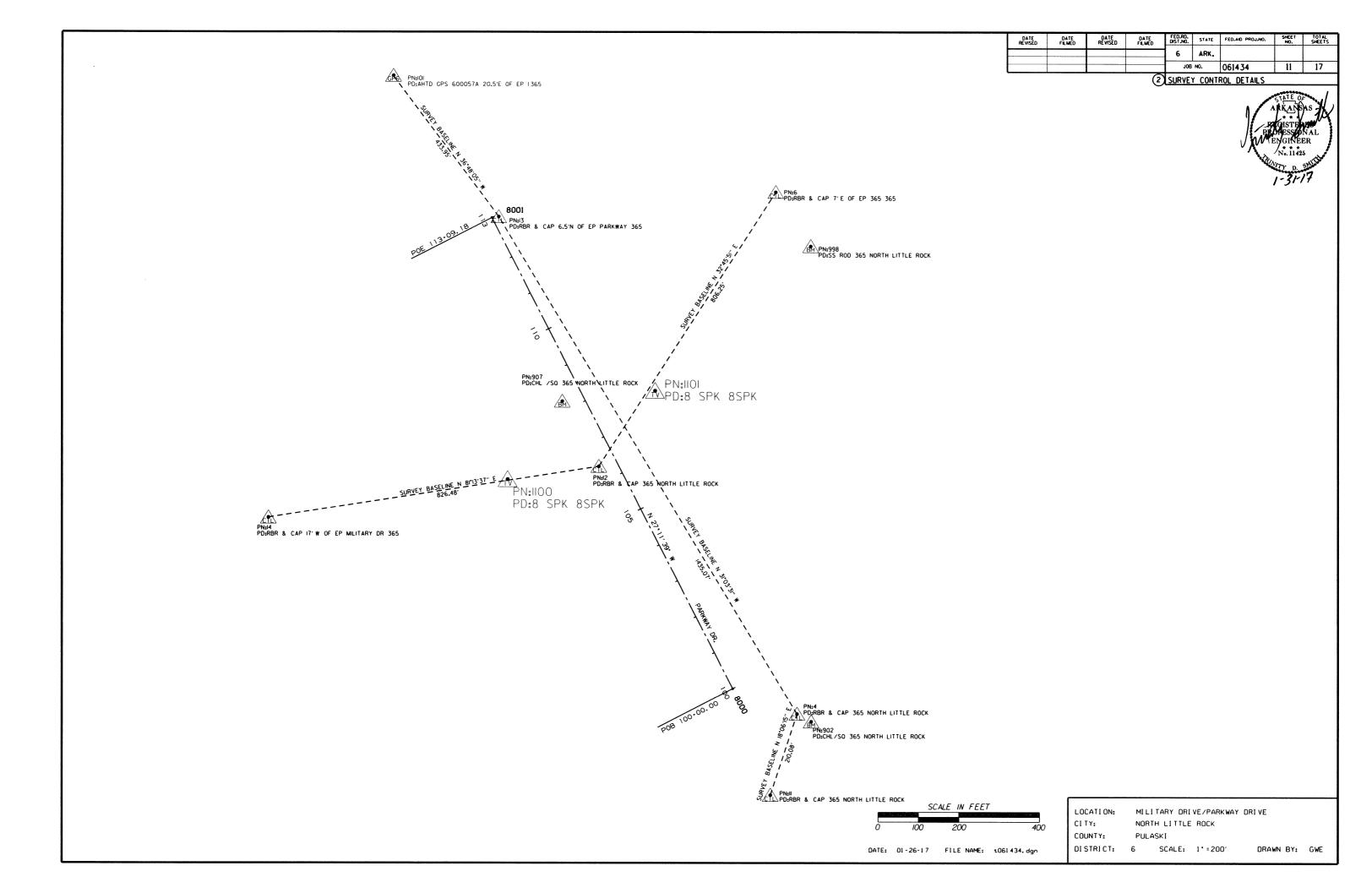
PARKWAY DR.

POINI NO.	TYPE	STATION	NORTHING	EASTING
8000 8001	POB POE	100 • 00. 00 113 • 09, 18	170863. 93 172028. 40	1224629, 28 1224030, 98

DATE: 01-26-17 FILE NAME: t061434.dgn

LOCATION: MILITARY DRIVE/PARKWAY DRIVE CITY: NORTH LITTLE ROCK

COUNTY: PULASKI



TRAFFIC SIGNAL NOTES:

- 1. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2014) NATIONAL ELECTRICAL CODE, NFPA 101 (2012) LIFE SAFETY CODE, STATE ELECTRICAL CODE AND LOCAL ELECTRICAL CODE.
- 2. EXTEND GREEN EQUIPMENT GROUNDING CONDUCTOR (E.G.C.) FROM GROUND BAR AT MAIN BREAKER TO CONTROL PANEL AND TO FIRST POLE. SOLIDLY BOND E.G.C. TO GROUND LUG OF CONTROL CABINET AND TO POLE GROUND. ENSURE THAT ONLY ONE NEUTRAL-TO-GROUND BOND EXISTS IN THE SYSTEM AND THAT IT IS AT THE MAIN BREAKER.
- 3. ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY TO A SERVICE POLE WITH EXTERNAL RAINTIGHT BREAKER (MAIN BREAKER), GALVANIZED STEEL SERVICE RISER, METER LOOP (IF REQUIRED), AND WEATHERHEAD AT A MUTUALLY ACCEPTABLE POINT WITHIN THE RIGHT-OF-WAY. IF THE SERVICE POINT IS OVER 10 FEET FROM THE CONTROLLER, THE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE TWO CIRCUIT EXTERNAL BREAKER (SECONDARY BREAKER) ON OR NEAR THE TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL INSTALL CONDUIT, ELECTRICAL SERVICE WIRE (2c/#6 USE RATED, WITH GROUND TYPICAL), AND PERFORM WIRING TO TAP INTO THE CITY'S MAIN BREAKER AS PART OF THIS CONTRACT. CONDUIT IS PAID FOR AS A SEPARATE ITEM OF THIS CONTRACT. TWO CIRCUIT BREAKERS, CONSIDERED SUBSIDIARY TO THE CONTROL EQUIPMENT, ARE NEEDED WHERE STREET LIGHTING IS INCLUDED. AS PART OF THE SIGNAL INSTALLATION, STREET LIGHTING CIRCUIT (2c/#12 A.W.G. UF RATED, TYPICAL) SHALL BE KEPT FROM THE CIRCUIT SERVING THE TRAFFIC SIGNAL CONTROL EQUIPMENT FROM THE POINT OF TIE-IN AT THE SECONDARY BREAKER PROVIDED BY THE CONTRACTOR.
- 4. CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE.
- 5. TRAFFIC CONTROLLER CABINET AND LAYOUT SHALL BE SUCH THAT IT IS NOT NECESSARY TO SHUT DOWN POWER OR REMOVE LOAD SWITCHES IN ORDER TO EASILY TEST OR MODIFY DETECTOR INPUTS TO THE CONTROLLER.
- 6. CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS.
- ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, STANDARD DRAWINGS AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITIONS
- 8. CONDUIT INSTALLED UNDER ROADWAY SURFACES SHALL BE INSTALLED BY PUSHING OR BORING METHODS. IF THE ENGINEER DETERMINES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD AS SHOWN IN THE DETAILS MAY BE USED.
- 9. TRAFFIC SIGNAL POLES SHALL BE GALVANIZED. BACKPLATES SHALL BE SUPPLIED FOR ALL SIGNAL HEADS.
- 10. PAVEMENT MARKING SHOWN FOR REFERENCE ONLY. SEE PAVEMENT MARKING PLAN SHEETS.
- 11. FOUNDATION FOR ALL POLES SHALL BE EXTENDED IF NECESSARY TO ACCOMMODATE THE REQUIREMENTS FOR SIGNAL HEAD CLEARANCE ABOVE ROADWAY ONLY AT LOCATIONS WHERE THE GROUND ELEVATION AT THE POLE IS BELOW THE ELEVATION OF THE ROADWAY (SEE NOTES ON STANDARD DRAWING). PAYMENT WILL BE INCLUDED IN SECTION 714, AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, CURRENT EDITION.
- 12. ALL CONCRETE PULL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE 3" DIAMETER UNLESS SPECIFIED ON PLANS.
- 13. CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
- 14. LUMINAIRE ASSEMBLIES SHALL BE OF THE FULL CUTOFF TYPE.
- 15. HARDWARE INPUTS MAY BE DETERMINED BY SUPPLIER. EACH DETECTOR OUTPUT SHALL INPUT THE CONTROLLER THROUGH A SEPARATE INPUT UNLESS OTHERWISE NOTED AND BE PROGRAMMED TO ACTUATE THE ASSOCIATED PHASE. COMBINATION (COMB.) DETECTORS SHALL ALSO BE PROGRAMMED TO PROVIDE VEHICLE COUNT/OCCUPANCY DATA.
- 16. THE LOCAL RADIO WITH ANTENNA SHALL BE COMPATIBLE WITH THE EXISTING CLOSED LOOP COORDINATION SYSTEM IN THE CITY.
- 17. TO DETERMINE UTILITY CLEARANCES ABOVE THE TRAFFIC SIGNAL POLE, REFER TO THE POLE SCHEDULE FOR VERTICAL SHAFT HEIGHT. WHERE THE POLE SCHEDULE INDICATES THAT A LUMINAIRE ARM WILL BE USED, 38 FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE LUMINAIRE ARM. WHERE THE POLE SCHEDULE INDICATES A TRAFFIC SIGNAL POLE WITHOUT A LUMINAIRE ARM, A HEIGHT OF 21' SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE TRAFFIC SIGNAL MAST ARM. AN ADDITIONAL 6 FEET SHOULD BE USED DIRECTLY ABOVE "VIDEO DETECTOR" AT LOCATIONS SHOWN ON THE SIGNAL PLANS.

RE)ATE VISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
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					J08	NO.	061434	12	17

(2) TRAFFIC SIGNAL NOTES

ARKANIAS BESISTERAS PROJESSIONAL MENGIARER No. 11425

- 18. THE DESIRABLE MINIMUM DISTANCE FROM THE FACE OF ROADWAY CURB OR SHOULDER EDGE TO THE FACE OF NON-BREAKAWAY POLE OR OBSTRUCTION IS 6 FEET. REFER TO TRAFFIC SIGNAL PLANS FOR SPECIFIC LOCATION OF POLES, CONTROLLER AND ANY OTHER NON-BREAKAWAY OBSTRUCTIONS. REFER TO "DESIGN PARAMETERS, MINIMUM CLEAR ZONE DISTANCE" FOR MINIMUM DISTANCE FROM THE EDGE OF TRAVELED WAY TO THE FACE OF A NON-BREAKAWAY POLE OR OBSTRUCTION. TRAFFIC SIGNAL POLES OR ANY OTHER NON-BREAKAWAY OBSTRUCTION SHALL NOT BE INSTALLED WITHIN THE CLEAR ZONE.
- 19. AS DETERMINED BY THE ENGINEER, FOUNDATION EMBEDMENT MAY BE DECREASED BY A MAXIMUM OF TWO FEET IF COMPETENT ROCK IS ENCOUNTERED PRIOR TO ACHIEVING PLAN EMBEDMENT AND AT LEAST HALF OF THE REMAINING PLAN EMBEDMENT LENGTH IS KEYED INTO COMPETENT ROCK.
- 20. CONNECTION OF TRAFFIC SIGNAL DISPLAY TO FIELD WIRING SHALL UTILIZE AN APPROVED TERMINAL STRIP BEHIND HAND-HOLE COVER AT BASE OF POLE. TERMINAL STRIP SHALL PROVIDE PROTECTION TO PREVENT EXPOSURE TO THE PUBLIC IN THE EVENT THAT POLE COVER IS MISSING. PAYMENT FOR TERMINAL STRIPS SHALL BE INCLUDED IN ITEM 714-TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION.
- 21. CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO IMSA STANDARDS.
- 22. ONE VIDEO PROGRAMMNG MODULE SHALL BE PROVIDED FOR AIMING AND SETUP OF DETECTORS IF THE VIDEO SYSTEM CANNOT BE ADJUSTED THROUGH HARDWARE AND SOFTWARE PROVIDED BY ITEMS WITHIN THE JOB.
- 23. TRAFFIC SIGNAL CONTRACTOR MUST NOTIFY RESIDENT ENGINEER OR ASSIGNED DEPARTMENT PROJECT INSPECTOR EACH DAY PRIOR TO SIGNAL RELATED WORK. NO WORK ON TRAFFIC SIGNALS WILL BE ALLOWED OR APPROVED WITHOUT THIS PRIOR NOTIFICATION.
- 24. ALL STEEL POLES SHALL BE DESIGNED TO MEET THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4th EDITION (2001) WITH 2003 AND 2006 INTERIMS.
- 25. DOOR PANEL TEST PUSH BUTTONS SHALL ACTUATE INDICATED PHASES. DETECTOR ASSIGNMENTS AND/OR SIDE PANEL JUMPERS MAY REQUIRE MODFICATION.
- 26. ALL SYSTEM DETECTOR RACKS AND ASSOCIATED EQUIPMENT SHALL BE PROTECTED BY THE MAIN CONTROLLER CABINET POWER SURGE PROTECTION.

LOCATION:

MILITARY DRIVE/PARKWAY DRIVE

CITY:

NORTH LITTLE ROCK

COUNTY: PULASKI
DISTRICT: 6 SCALE: N/A

DRAWN BY: GWE

DATE: 01-26-17 FILE NAME: t061434_job.dgn

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				JOB	NO.	061434	13	17

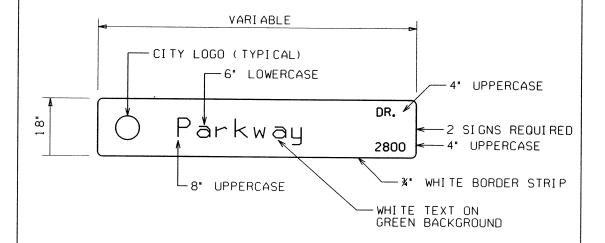
2 TRAFFIC SIGNAL QUANTITIES

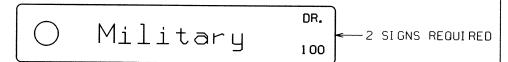
TRAFFIC SIGNAL QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
SP & 701	SYSTEM LOCAL CONTROLLER TS2-TYPE 2 (8 PHASES)	1	EACH
SP	LOCAL RADIO WITH ANTENNA	1	EACH
SP	BATTERY BACKUP SYSTEM	1	EACH
SP	ANTENNA CABLE (TYPE 6)	70	LIN. FT.
SP	FIBER OPTIC BLANK OUT SIGN	2	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	8	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (5 SECTION, 1 WAY)	2	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	4	EACH
708	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	1080	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	100	LIN. FT.
708	TRAFFIC SIGNAL CABLE (12C/14 A.W.G.)	114	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	348	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/8 A.W.G., E.G.C.)	388	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/12 A.W.G., E.G.C.)	100	LIN. FT.
SP	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	20	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	244	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	20	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	20	LIN. FT.
710	NON-METALLIC CONDUIT (2")	20	LIN. FT.
710	NON-METALLIC CONDUIT (3")	355	LIN. FT.
711	CONCRETE PULL BOX (TYPÉ 2)	1	EACH
711	CONCRETE PULL BOX (TYPE 2 HD)	5	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (20')	1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (30')	1 1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (42')	1	EACH
714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (38'-18')	1	EACH
SP	LED LUMINAIRE ASSEMBLY	2	EACH
715	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	1 1	EACH
SP	SERVICE POINT ASSEMBLY (2 CIRCUITS)		EACH
SP	18" STREET NAME SIGN	4	EACH
SP & 733	VIDEO DETECTOR (CLR)	5	EACH
733	VIDEO CABLE	676	LIN. FT.
733	VIDEO MONITOR (CLR)	1	EACH
SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	3	EACH
	VEHICLE DETECTOR RACK (16 CHANNEL)	1 1	EACH

^{*} ONE SPARE VIDEO DETECTOR AND ONE SPARE VIDEO PROCESSOR SHALL BE SUPPLIED

OVERHEAD STREET NAME MARKER STANDARD MAST ARM MOUNTED





NOTES:
I. REFLECTIVE SHEETING SHALL COMPLY WITH ASTM 4956 TYPE 8 OR 9
REFLECTIVE SHEETING. SHEETING AND LEGEND SHALL BE APPLIED
IN SUCH A MANNER TO PROVIDE WRINKLE AND BUBBLE FREE
SURFACES. APPLICATION OF SHEETING IS CAUSE FOR REJECTION
OF MATERIALS DUE TO WORKMANSHIP.

2. ALUMINUM SIGN BLANK SHALL BE ALLOY 6061-T6 OR 5052-H38. THE ALUMINUM SIGN SHALL ALSO BE ALODIZED. THE ALUMINUM SHEETING SHALL BE 0.100 INCH NOMINAL THICKNESS AND OF THE SIZE SHOWN WITH 1.5" CORNER RADII. PRIOR TO FABRICATION OF THE SIGNS, THE LAYOUT SHALL FIRST BE APPROVED BY AN AGENT OF THE CITY.

3. WHEN CROSSROAD HAS TWO NAMES. THE SIGN FOR THE CROSSROAD TO THE LEFT MAY BE INSTALLED ON THE BACKSIDE OF THE MAST ARM OF THE NEARSIDE LEFT POLE. SEE STD. DETAIL SHEET FOR MORE INFORMATION FOR MOUNTING ON

4. THE SERIES C 2000 STANDARD ALPHABET SHALL BE USED FOR ALL LETTERS.

LOCATION: CITY:

MILITARY DRIVE/PARKWAY DRIVE

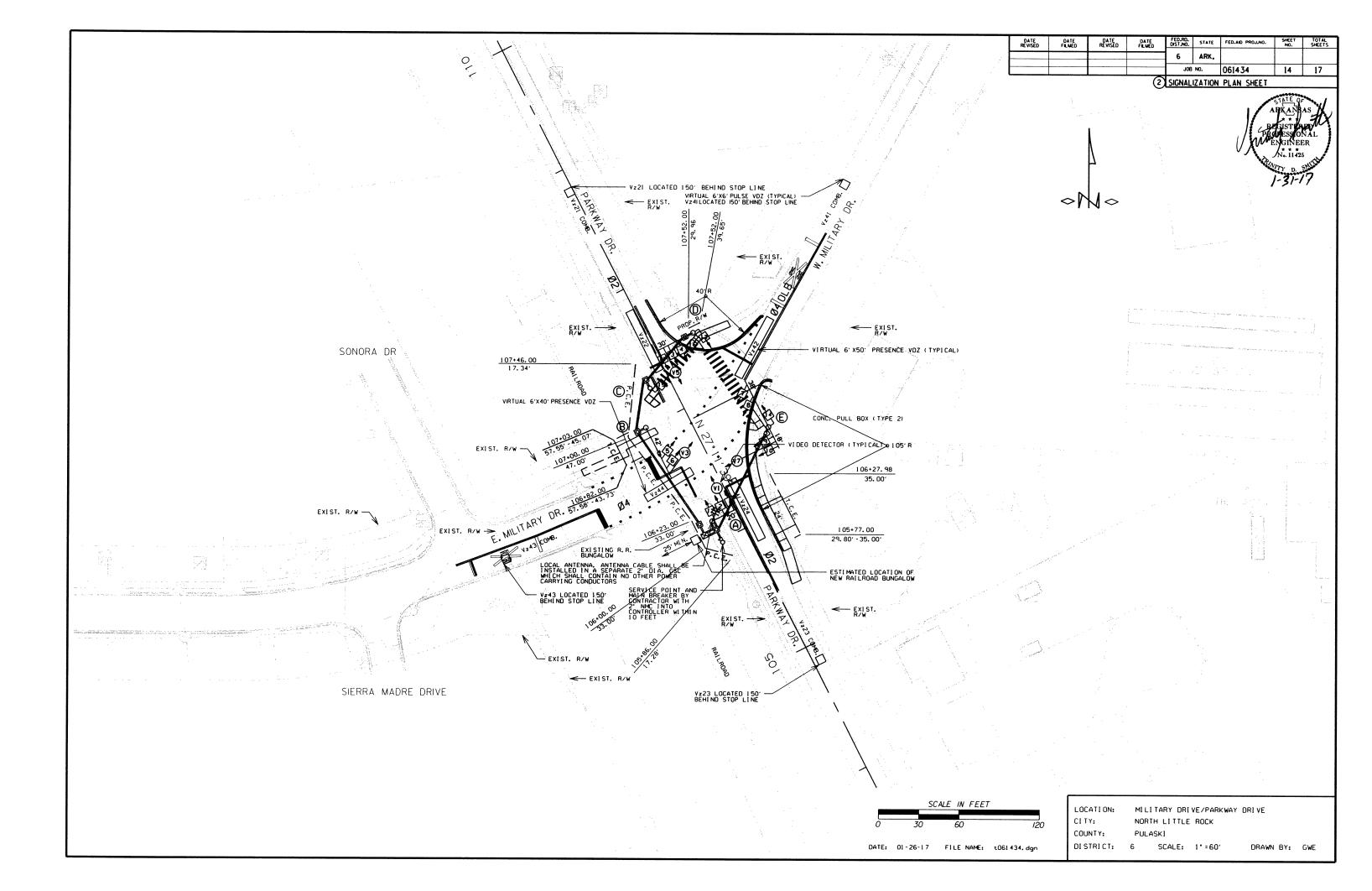
COUNTY:

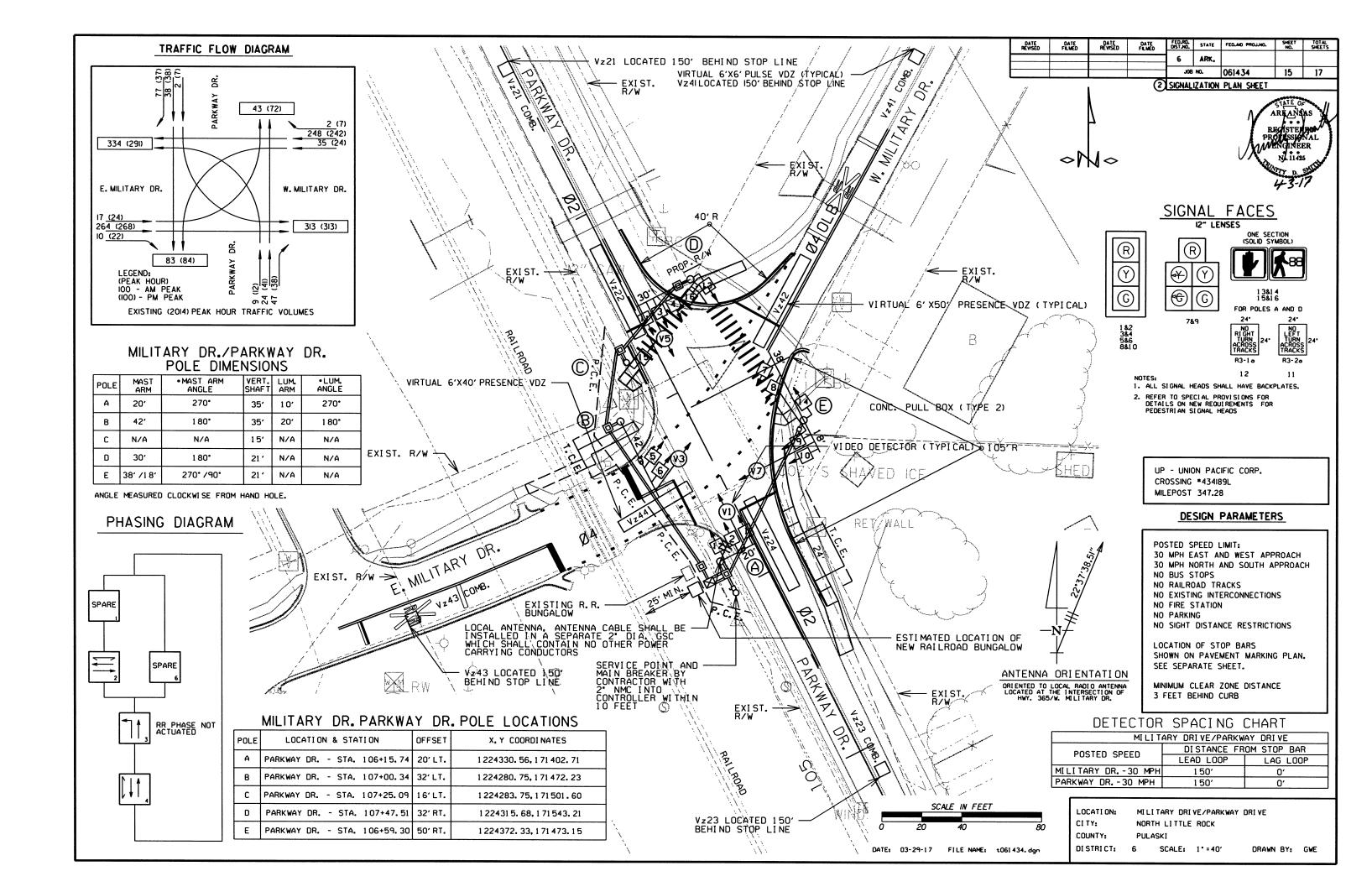
NORTH LITTLE ROCK

PULASKI DISTRICT: 6 SCALE: N/A

DRAWN BY: GWE

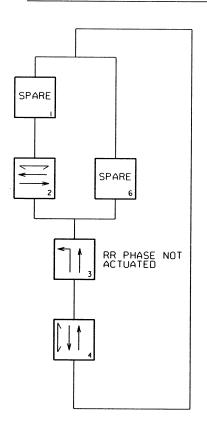
DATE: 01-26-17 FILE NAME: t061434.dgn





DATE REVISED STATE FED.AID PROJ.NO. SHEET TOTAL SHEETS DATE DATE FILMED 6 ARK. JOB NO. 061434 16 17 2 SIGNALIZATION PLAN SHEET - 1 - 7c - 1-Video Cable (E) 1 - 7c **→**[4] 1-20c,1-5c,1-Video Cable,2-1c/*8 E.G.C. — 1-20c,1-5c,1-Video Cable, 2-1c/*8 E.G.C. 1-50 1-Video Cable 1-5c --- 1-20c,1-5c,1-Video Cable,1-1c/*8 E.G.C. 1-Antenna Cable 1-1c/*12 E.G.C. (ANTENNA GROUND TO POLE BASE) 1-2c/*12,1-1c/*12 E.G.C. 1 - 5c 1-20c,1-5c,1-Video Cable,1-1c/*8 E.G.C. -1-Video Cable 1-5c 1-Antenna Cable (RUN IN SEPARATE 2º DIA. GSC) --- 1-1c/#8 E.G.C.,1-2c/#6 (SEE DETAIL) (A) 50 Service Pole and Main Breaker by Contractor within 10 Feet of Controller 1-20c,1-Video Cable,1-2c/#12,2-1c/#8 E.G.C. -- 1-Antenna Cable (RUN IN SEPARATE 2º DIA. GSC) 2-20c,1-5c,2-Video Cable,2-2c/*12,1-1c/*8 E.G.C. — - 1-1c/*8 E.G.C..1-2c/*6 - 1-20c, 3-5c, 1-Video Cable, 1-1c/*8 E.G.C. **©** 2-5c, 2-1c/*8 E. G. C. 1-20c,1-12c,3-5c,2-Video Cable, 1-2c/*12,1-1c/*8 E.G.C. - 1-20c, 2-12c, 3-5c, 2-Video Cable, 1-2c/*12, 1-1c/*8 E. G. C. 1-12c,1-Video Cable, 2-1c/*8 E.G.C. -1-12c With additional length to access the Railroad Bungalow for Railroad Pre-empt 1-5c GROUNDING ARRAY 1-Video Cable SINGLE-PORT FUSION WELDS 1-2c/*12.1-1c/*12 E.G.C. -GROUND WIRE TO ANTENNA (STRANDED) WIRING DIAGRAM SOLID E.G.C. --SINGLE PORT FUSION WELD -POLE GROUND CLAMP COMBINE ALL E.G.C.'S STRANDED E.G.C. NOTES TO CONTRACTOR: FUSION WELD -1. ONE SEPARATE 1-5c IS RUN TO EACH POLE FOR THE PEDESTRIAN PUSH BUTTON. POLE GROUND CLAMP COMBINE ALL E.G.C.'S CLAMP TO SOLID *8 E.G.C. SOLID E.G.C. 2. ALL DETECTOR RACK CHANNELS, INCLUDING UNUSED, SHALL BE BROUGHT TO TERMINAL STRIP IN DETECTOR AREA OF CABINET. FUSION WELD -111/40/11 3. THE LOCAL GOVERNMENT SHALL BE RESPONSIBLE FOR PROVIDING POWER TO THE SERVICE POINT. LOCATION: MILITARY DRIVE/PARKWAY DRIVE CITY: NORTH LITTLE ROCK - SOLID *8 E.G.C. PER STANDARD SPECIFICATIONS OF HIGHWAY CONSTRUCTION, 2014 EDITION COUNTY: PULASKI DATE: 01-26-17 FILE NAME: ±061434.dgn DISTRICT: 6 SCALE: N/A DRAWN BY: GWE

PHASING DIAGRAM



			DET	ECTOR S	YSTEM	DESCR	IPTION	: JOB 06143	4		
N.L.R MILITARY DR./PARKWAY DR. DETECTOR ASSIGNMENTS				HARDWARE INPUTS BY SUPPLIER			OGRAM ASSI	GNMENTS MASTER		TUBE	
DET. ID*	LOCATION DIRECTION	TYPE	DET. *	CAB. TRM *	AMP	CON.	PHS	CVCTEN	SYSTEM DETECTOR NUMBERS	COMMENTS	LENGTHS
Vz21	SB ADVANCE	COMB.			1	V1 4	2	6		CAMERA VI	74*
Vz22	SB NEAR	LOCAL			2	٧6	2			CAMERA VI	74"
Vz23	NB ADVANCE	COMB.			3	V1 0	2	2		CAMERA V5	74*
Vz24	NB NEAR	LOCAL			4	V2	2			CAMERA V5	74*
Vz43	EB ADVANCE	COMB.			7	V1 2	4	4		CAMERA V7	74*
Vz44	EB NEAR	LOCAL			8	٧4	4			CAMERA V7	74*
Vz41	WB ADVANCE	COMB.			5	V1 6	4	8		CAMERA V3	74.
Vz42	WB NEAR	LOCAL			6	V8	4			CAMERA V3	74*
	MILITARY DR. E.LEG	PED.				P2	2				
PB4A&B	PARKWAY DR. N.LEG	PED.			SPARE	9-16	4				

CONTROLLER INPUT ABBREVIATIONS:

V = VEHICLE IMPUT

D = SYSTEM OR AUXILIARY IMPUT

P = PEDESTRIAN IMPUT

NOTE: 'AMP CHM*' REFERS TO THE DETECTOR RACK OUTPUT POSITION.

THIS IS WIRED TO CONTROLLER IMPUT DETECTOR NUMBER WHICH IS PROGRAMMED TO ACTUATE THE DESIGNATED PHASE.

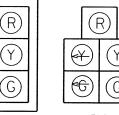
EXAMPLE: V9 = SYSTEM DETECTOR 1, VIO = SYSTEM DETECTOR 2.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	0614.34	17	17

2 SIGNALIZATION PLAN SHEET

SIGNAL FACES

12" LENSES



1 3&1 4 1 5&1 6

ONE SECTION (SOLID SYMBOL)

FOR POLES A AND D

NO RI GHT TURN ACROSS TRACKS

R3-2a

11

12

NOTES: 1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.

2. REFER TO SPECIAL PROVISIONS FOR DETAILS ON NEW REQUIREMENTS FOR PEDESTRIAN SIGNAL HEADS

INTERVAL CHART

	NC	DMAL	CVC			F	MT I	- RA	ILROA	D			
SIGNAL FACES	INC	NORMAL CYCLE				CLI	EAR	DW	ELL		FLASH SEQ.		
	2	CLR.	4	CLR.		3	CLR.	2	CLR.		523.		
1&2	G	••	R	R		R	R	G	••		R		
3&4	G	••	R	R		R	R	G	••	۸L	R		
5&6	R	R	G	••		R	R	R	R	NORMAL	R		
7&9	R	R	G	••		6 6	<i>'</i>	R	R	S	R		
8&10	R	R	G	••		G	••	R	R	JME	R		
II	BLK	BLK	BLK	BLK		NL T	NL T	NL T	NLT	RESUME	BLK		
12	BLK	BLK	BLK	BLK		NRT	NRT	NRT	NRT	-	BLK		
13&14	W	FDW	D₩	DW		DW	D₩	W	FDW		BLK		
15&16	DW	DW	W	FDW		D W	DW	D₩	D₩		BLK		

- DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
- .. DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
- ••• DENOTES FLASHING YELLOW ARROW OR YELLOW ARROW DEPENDING ON NEXT PHASE

NLT = NO LEFT TURN

NRT = NO RIGHT TURN
DWL = DWELL INTERVAL
FR = FLASHING RED

BLK = BLANK

W = STEADY WALK
FDW = FLASHING DONT WALK
DW = DONT WALK

DATE: 01-26-17 FILE NAME: t061434.dgn

LOCATION: MILITARY DRIVE/PARKWAY DRIVE

CITY: NORTH LITTLE ROCK

COUNTY: PULASKI

