EDEN HILLS ESTATES EDEN HILLS PHASE III UTILITY PLANS

JONESBORO, CRAIGHEAD COUNTY, ARKANSAS

LOCAL CONTACTS

CITY OF JONESBORO	
ENGINEERING DEPT.	870-932-2438
CITY OF JONESBORO	
PLANNING AND ZONING	870-932-0406
CITY, WATER, & LIGHT	870-935-5581
ΛΤΟΤ	1 000 464 7000
ΑΙΔΙ	1-800-464-7928
RITTER COMMUNICATIONS	870-336-3400
SUDDENLINK	
COMMUNICATIONS	870-935-3615
CENTER POINT ENERGY	870-972-6682



(NOT TO SCALE)

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WEST BOTH NOT ACCEPTED.





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MUST UNAVOIDABLY BE REDUCED, THE WATER LINE OR THE SEWER LINE MUST BE ENCASED IN A WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST 10' EITHER SIDE OF THE CROSSING. ANY JOINT IN THE ENCASEMENT PIPE IS TO BE MECHANICALLY RESTRAINED. THE ENCASEMENT PIPE MAY BE VENTED TO THE SURFACE IF CARRYING WATER OR SEWER UNDER PRESSURE. WHERE A WATER LINE MUST UNAVOIDABLY PASS BENEATH THE SEWER LINE, AT LEAST 18" OF SEPARATION MUST BE MAINTAINED BETWEEN THE OUTSIDE OF THE TWO PIPES IN ADDITION TO THE PRECEDING ENCASEMENT REQUIREMENTS. EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH. A MINIMUM HORIZONTAL DISTANCE OF 3 SHALL BE MAINTAINED BETWEEN WATER LINES AND OTHER UNDERGROUND UTILITIES OF A NON-SANITATRY NATURE (GAS, ELECTRIC, ETC.), EXCEPTIONS TO THIS MUST BE APPROVED IN WRITING BY THE ARKANSAS DEPARTMENT OF HEALTH AND HUMAN SERVICES.

AFTER 3 P.M. DURING NORMAL WORKING DAYS OR ON FRIDAY AFTER 12 P.M UNLESS APPROVED BY CITY WATER & LIGHT ENGINEERING DEPT. CONTRACTOR SHALL NOTIFY CWL INSPECTOR OF TENTATIVE TIME FRAME CONNECTION 24 HOURS PRIOR TO ACTIVITY.

ALL SEWER WYES SHALL BE A MINIMUM OF 10' FOOT AWAY FROM PROPERT CORNERS.

ELECTRICAL CONDUIT NOTE:

ALL ELECTRICAL CONDUIT SHALL HAVE A MINIMUM 48" OF COVER BELOW F GRADE.

NO TRANSFORMER, JUNCTION BOX, OR PULL BOX TO BE PLACED OVER WAT FITTINGS WITHOUT CITY WATER AND LIGHT APPROVAL.

, [LEGEN	ID			r_ i	COM
		CURB SIDEWALK	© 	STORM DRAIN INLET		RIS P.E	RIVE 72404 7700 IS@YAHOO.
	SL-1	CORRIDOR CROSS SECTION LINE WATER LINE	\$\$ 	- SANITARY SEWER SEWER MANHOLE		K MOI	IELBY D ORO, AR 70-919-7 3_MORR
M		WATER METER	WYE S.O.	SEWER WYE SEWER STUB- OUT		MARI	3221 SH JONESB PH: 1-87 MARK_E
	●	BLOW-OFF ASSEMBLY	EX.WYE	EX. SEWER WYE		5	
			EX.S.O.	EX. SEWER STUB- OUT			
L	TOTAL WATER 954 LF - 6" C-90 13- 3/4" SHORT 13- 3/4" LONG S	LINE QUANTITIES: 00 PVC WATERLINE SERVICES SERVICES	<u>PRESSURE</u> STATIC PR RESIDUAL	<u>S:</u> ESSURE = 82 PSI PRESSURE = 72PSI			
4 00110401	WAT			S:			
 CONTRACT PVC SCH 40 OBTAIN AN SHALL OBT. CONTRACT REQUIRED 	DR SHALL PROVIDE NEC (4") & 36" RAD ELBOWS ELECTRICAL PLAN FROI AIN CWL SPECIFICATION DR SHALL PROVIDE 3/4" BY CWL.	FOR RISERS AND A STRING & M M CWL AND INSTALL THE ELECT IS). METER STOP, TAP, SERVICE LII	W PERMANENT M. IOUSE BLOWN IN T RICAL CONDUIT A:	ARKERS WIGRAY PVC SCH 40 THE CONDUIT. CONTRACTOR S SPECIFIED BY CWL.(CONTRA AS REQUIRED BY CWL & INSTA	(2°) & SHALL ICTOR		
 CONTRACT HYDRANTS, CONTRACT PROVIDE L/ (P.I. <15) T INTERVALS. A STREET A PROVIDE M 	DR SHALL PROVIDE E & WATER METERS. DR SHALL PROVIDE LA ABOR & MATERIAL TO E O TOP OF EXCAVATIO CONTRACTOR SHALL IND BACKFILL THEM WIT ATERIAL COMPACTION	INGINEER W/ "AS-BUILT" DIME BOR AND MATERIALS FOR AL BACKFILL ALL SEWER, WATER & N & COMPACT FILL TO 95% C PROVIDE LABOR AND MATERIA ITH SANDY (P.I. <15) TO TOP OF E TESTS AT 21 INTERVALS	NSIONS FOR WY SEWER, WATER ELECTRICAL STI OMPACTION & PI FOR ALL SEWER EXCAVATION & CO	E'S, VALVES, TEES, BENDS , & ELECTRICAL LINE LATER REET CUTS WITH SANDY MAT ROVIDE COMPACTION TESTS & WATER LINE MAINS THAT (MPACT FILL TO 95% COMPAC	FIRE ALS & FERIAL AT 2' CROSS TION &		
5. A 12 GA SC WATER LINI WIRE IS IN PERMANEN 6. CONTRACTO	LID TRACER WIRE SHA E MARKER INSTALLED (STALLED. THE TRACEF T MARKERS IN A MANNE DR SHALL CALL ARK ON DROUDE FURE FURE	LL BE INSTALLED WITH WATER THE BEGINNING, THE END, AN WIRE SHALL BE INSTALLED R THAT WILL INSURE A CONTINI E CALL FOR LOCATES PRIOR TO	LINE MAIN WHERI D 750' INTERVALS ABOVE THE WATE JOUS CONNECTIO CONSTRUCTION.	E. THERE SHALL BE A PERM S IN BETWEEN WHERE THE TH R LINE AND CONNECTED TO N OF THE TRACER LINE.	ANENT AACER D THE		\neg
CWL SHALL SHALL PRO CONTRACT WHERE IT (PROVIDE FIRE HYDRAN VIDE LABOR FOR INSTAI OR SHALL NOTIFY ENG CROSSES PROPOSED S	IT, 6" D.I. GATE VALVE, VALVE BO LLATION AND CONCRETE BLOCK SINEER TO DETERMINE ELEVAT TORM DRAINS. WATER METER F)X W/ LID, AND 6" E (ING. (SEE DETAIL FIONS FOR MANH 30X ELEVATIONS.	Y LINE SIZE D.I. TEE. CONTRA SHEET) OLE TOPS, WATERLINE ELEV VALVE BOX ELEVATIONS. ANI			
HYDRANT E ELEVATION GRADE HAS CONTRACT	ELEVATIONS, AND WA WHERE HYDRANTS AF BEEN OBTAINED. OR SHALL FAMILIARIZE	TER LINE LOCATION AROUND RE LOCATED TO ENSURE HYDI E HIMSELF WITH PLANS TO INS	INLETS. WATER RANT WILL BE AT GURE THE WATER	LINE SHALL BE INSTALLED PROPER HEIGHT WHEN FIN LINE DEPTH OF INSTALLATION	AT AN ISHED DN IS		
BELOW THE WATER LINI 0. IF CONTRA SHALL POS	E PROPOSED STORM D E (AT THE CONTRACTOR CTOR CAN NOT INSURE IPONE WATER LINE INS	RAIN ELEVATION, CONTRACTO &S EXPENSE) IF IT INTERFERES WATER LINE INSTALLATION TO TALLATION UNTIL STORM DRAIN	R WILL BE REQU WITH THE STORM D BE BELOW STOF HAS BEEN INSTAL	IRED TO COME BACK AND L DRAIN INSTALLATION. IM DRAIN, THEN THE CONTRA LED.	OWER		
1. CONTRACT 2. CONTRACT RESULTS; A	OR SHALL PROVIDE OW OR SHALL PROVIDE EN ND MODEL & YEAR OF V	NER WITH ONE YEAR WARRANT NGINEER WITH LIEN RELEASES VATER LINE VALVES WITHIN 30 I PROJECT AFTER INSTALLATIO	Y FOR MATERIALS 5 FOR MATERIALS DAYS OF COMPLET	AND WORKMANSHIP. 5 AND LABOR; BACTERIAL S/ 10N OF WORK. 110N IT AS PRIOR TO RECI			
4. CONTRACT CONTRACT	TION. MOUND BACKFILI DR SHALL REVIEW DE BLOCKING. SERVICE LI	. OVER TRENCHES 1' TO 2' TO A TAIL SHEETS TO ENSURE PR	OPER INSTALLAT	ION OF VALVES, FIRE HYDR	ANTS,	E E	
5. CONTRACT TO BE ADH INCLUDE IT BE DISPOSE	DR SHALL OBTAIN A CUI ERED TO AND MADE A EMS NOT SHOWN OR R ED OF BY CONTRACTOR	RRENT SET OF CWL SPECIFICAT PART OF THIS SET OF PLANS. EFERRED TO IN THIS SET OF P ON THE ADJACENT LOTS OR AS	IONS AND REVIEW CONTRACTOR SH LANS.18) ALL STR DIRECTED BY OW	/ THEM. CWL SPECIFICATION: ALL USE CWL SPECIFICATIO EET EXCAVATION MATERIAL NER	S ARE NS TO SHALL	AS.	Z
 ALL STREE DIRECTED E CONTRACT 	T EXCAVATION MATER BY OWNER. DR SHALL PLACE 8 MIL	IAL SHALL BE DISPOSED OF	BY CONTRACTOR	ON THE ADJACENT LOTS (TO PLACING CONCRETE BLO	OR AS	H/	LA
8. ALL WATER WATER LINI	E LINES 4"-12" DIAMETE S SHALL BE SDR 21 CL	R SHALL BE AWWA C-900 PRE ASS 200 (ASTM 2241). ALL SEWEI	SSURE CLASS 150 R LINES SHALL BE) DR 18. ALL 2" AND 3" DIAN ASTM 2241 SDR-26.			
STORM DR HORIZONTA 20. CONSTRUC SUBMITTED	AIN SHALL MAINTAIN L SEPARATION BETWEE TION SHALL BEGIN ONI TO CWI AND ALL NEC	36" MINIMUM HORIZONTAL SI SN SEWER AND WATER LINE. LY AFTER APPROVED PLANS F SESSARY FEES ARE PAID IN FU	EPARATION TO F	REVENT FREEZING. MAINTA	H ARE		EF
BEGIN ONL CAREFULLY BE HELD V	Y AFTER THE RIGHT CHECKED, AND A PRE V/ CONTRACTOR PRES DN OF ELECTRICAL WIR	OF WAY HAS BEEN CLEAREI -CONSTRUCTION MEETING HAS SENT TO VERIFY ALL CONSTR E.	D, THE ENTIRE S BEEN HELD. A P UCTION IS ACCE	ECTION STAKED,THE ELEVA DST CONSTRUCTION MEETING PTABLE TO CWL PRIOR TO	TIONS G WILL D THE		
21. DEVELOPEF \$1,000,000.0 STATE CON OSHA.	MUST SHOW PROOF (0 MINIMUM GENERAL L TRACTORS LICENSE. (DF ADEQUATE INSURANCE COV IABILITY, AND \$1,000,000.00 MII CONTRACTOR MUST HAVE A CO	ERAGE. (ARKANS) NIMUM AUTO LIAB MPETENT PERSO	AS WORKER'S COMPENS, ILITY.) CONTRACTOR MUST H N AT THE JOB SITE AS DEFIN	ATION, AVE A ED BY		M
 22. FINAL CLEA AND SURPL 23. DURING CO 	N-UP OF THE SITE SHAI US MATERIALS. DNSTRUCTION, WORK	LL INCLUDE THE REMOVAL AND SHALL BE INSPECTED BY TH	DISPOSAL OFF-SI	TE OF ALL CONSTRUCTION D CONSULTING ENGINEEF	EBRIS,)El	
NECESSAR' TO INSURE CONCERNII 24. IF SEWER A	Y SAFETY PRACTICES, F THAT THE PLANS API IG WORKMANSHIP AND ND WATER LINES HAVE	ROPER MATERIALS, AND WORK PROVED BY THE ARKANSAS D MATERIALS. E NOT BEEN ACCEPTED BY CWL	MANSHIP. CWL WI EPARTMENT OF H WITHIN 360 DAYS	LL PROVIDE RANDOM INSPEC IEALTH AND CWL ARE FOLL AFTER MANDREL TESTS	, LOW	EL	
AND RE-CE	AIR TESTS, HTDROSTA RTIFIED. ON OF DOMESTIC WATE	R METER TAPS ARE REQUIRED	TO BE MADE DURI	NG THE INSTALLATION OF TH	ENEW		
26. OBSTRUCTI AND RE-INS THE ANGLE INSTALI FD	NG DRAINAGE PIPES, S TALLED. IF UNSOUND (BETWEEN CENTER LIN BY TUNNELING. PROVID	Hall be removed. If in Soup Dr Damaged, they shall be f ies of a drainage pipe and i ded the drainage pipe is not	ND, UNDAMAGED (REPLACED WITH TI VATER MAIN WILL DAMAGED AND T	CONDITION, THEY MAY BE CLE HE SAME TYPE OF MATERIAL. PERMIT, THE WATER MAIN M HE WATER MAIN IS LAID PROF	ANED WHEN AY BE PERLY.		
AS AN ALTE AND RESTO 27. CWL ENGIN PARALLEL V	RNATIVE IN THE CASE RATION ACCOMPLISHEI EERING DEPT. MUST A VITH EDGE OF PAVED S	OF CORRUGATED METAL PIPE, D WITH NEW PIPE AND COUPLIN PPROVE ANY WATER OR SEWI TREET SURFACE.	A SECTION MAY G BANDS. ER LINES THAT W	BE CUT FROM THE DRAINAGE	EPIPE, HAN 5'		
28. REPAIRS SH KNOWLEDG WITNESS A	HALL BE MADE IN ACCO E, THE NEW SECTION I LL REPAIRS.	RDANCE WITH AWWA. IF VALVE MUST BE TESTED FOR WATER	IS CLOSED BY TH QUALITY AND FLU	E CONTRACTOR WITHOUT ISHED. THE CWL INSPECTOR			
29. WATER LINE30. TRENCH DE31. LEAKAGE T	EFTT TINGS SHALL BE CL PTH WILL BE SUCH AS T ESTS SHALL BE MADE F	ASS 350 DUCTILE IRON OR CAS TO ALLOW A MINIMUM COVER OF PRIOR TO STERILIZATION OPERA	TRUN. 42" OVER WATER	MAIN. PERIOD SHALL BE TWO (2) H	OURS.	ARKAI	VSAS
PSI. THE LIN FOR DUCTIL 32. ALL WATER	VE WILL NOT BE ACCEP E IRON AND AWWA C-60 LINES SHALL BE STEF WATER MAIN MUST	TED UNLESS OR UNTIL THE TO 5-94 FOR PVC PIPE. RILIZED IN ACCORDANCE WITH BE THOROLOGY OF TAXE	AWWA C-651-94.	THAT SPECIFIED IN AWWA C-	600-93 DN OR	REGIST	
BACTERIOL THAN 24 HO WATER OF FROM THE	OGICAL QUALITY BEFO DURS, THE CHLORINATI NORMAL CHLORINE CC LINES AND DEI IVERED	RE IT CAN BE PLACED IN SERV ED WATER SHALL BE FLUSHED INTENT. SAMPLES OF WATER TO THE CWI - LARORATORY	ICE. FOLLOWING FROM THE SYSTI THEN SHALL BE TA	A CONTACT PERIOD OF NOT EM, AND THE SYSTEM FILLED AKEN ON TWO CONSECUTIVE NALYSIS, THIS PROCESS SHO	LESS WITH DAYS	EN IGIN	NETR ★ 3212 ⊆
CONTINUED SHOULD BE WATER MAI SET FOR A	UNTIL THE SAMPLES SIZED TO PROVIDE F N BEING FLUSHED. NO F ONE MONTH OR LO	SHOW THE WATER IS SAFE F LOWS WHICH WILL GIVE A VEI FLUSHING DEVICE SHALL BE DIR NGER BEFORE FINAL ACCEPT	DR DOMESTIC RE OCITY OF AT LE ECTLY CONNECTE ANCE, IT SHALL	QUIREMENTS. FLUSHING DE AST 2.5 FEET PER SECOND I ED TO ANY SEWER. IF THE LIN BE RESTERILIZED, FLUSHED	VICES N THE E HAS , AND	ARK B.	MORRIA
BACTERIAL 33. THE DEVEL PLASTIC BC CONTRACT	TESTED. OPER AND ENGINEER IX(S) TO BE CHANGED O DR.	ARE RESPONSIBLE FOR METE OUT TO CONCRETE BOX(S) WIL	R BOX LOCATION L BE AT THE EXPI	S. ANY CONFLICTS THAT RE ENSE OF THE DEVELOPER AN	QUIRE D/ OR	REVISI	ONS
 34. IF UNSAFE NOTIFY OSH PRACTICES 35. DURING CO 	PRACTICES ARE DISCOV IA. THIS PROCEDURE IN 	VERED BY CWL DURING INSPEC I NO WAY OBLIGATES CWL FOR HALL BE INSPECTED DAILY BY T	TIONS OF WORKM THE RESPONSIBIL	ANSHIP AND MATERIALS, CW ITY OF THE CONTRACTOR'S S RECORD FOR PROPER MATE	AFETY DATE	BY	DESCRIPTION
					-1 AND		
CONNE	CTIONS AND TEE	AND REDUCER CONNEC	TIONS.	GATE VALVE		DRAWIN	G INFO.
				\mathbf{m}	DRAW DATE:	N BY:	GMD 4/1/2021
					SCALE		
	0	50'	^{100'} Kn	ow what's below,		SHEET NU (JMBER:
		SCALE: 1" = 50'		Call before you	dig.	VVJ	





SHEET NUMBER:

SW-1

SCALE: 1'' = 50

Know what's below. Call before you dig.



RAWN BY:

DATE:

CALE:

GMD

4/1/2021

1"=50'

SHEET NUMBER:

SW-2









LEGEND				
	CURB	SD	STORM DRAIN INLET	
	SIDEWALK	= $=$ $=$	STORM DRAIN PIPE	
SL-1	CORRIDOR CROSS SECTION LINE	SS	SANITARY SEWER	
WL	WATER LINE	S	SEWER MANHOLE	
WM	WATER METER	WYE	SEWER WYE	
	FIRE HYDRANT	S.0.	SEWER STUB- OUT	
► ●	BLOW-OFF ASSEMBLY	EX.WYE	EX. SEWER WYE	
M	GATE VALVE	EX.S.0.	EX. SEWER STUB- OUT	
NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET *RESPECTIVE SYMBOLS REPRESENTED IN PLAN VIEW ARE NOT TO SCALE*				

MARK MORRIS P.E.	321 SHELBY DRIVE JONESBORO, AR 72404 PH: 1-870-919-7700 MARK_B_MORRIS@YAHOO.COM			
EDEN HILLS PHASE III	SEWER PLAN & PROFILE			
REGISTERED PLOIESSIONAL ENGINETE No. 13212 No.				
) SHEET NU SW	1"=50' JMBER: 7-3			



















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No. 13212

AND B. M.

REVISIONSDATEBYDESCRIPTION

DRAWING INFO.

SHEET NUMBER:

ST-3

DRAWN BY:

CALE:

DATE:

GMD

4/1/2021 1"=50'









	CURB		SD	STORM DRAIN INLET
	SIDEWALK		= $=$	STORM DRAIN PIPE
SL-1	CORRIDOR CROSS SECTION LINE		SS	SANITARY SEWER
WL	WATER LINE		S	SEWER MANHOLE
WM	WATER METER		WYE	SEWER WYE
I ►►	FIRE HYDRANT		S.0.	SEWER STUB- OUT
⊶●	BLOW-OFF ASSEMBLY			EX. SEWER WYE
M	GATE VALVE			EX. SEWER STUB- OUT
NOTE: SYMBOLS REPRESENTED IN LEGEND MAY NOT ALL BE INCLUDED ON THIS SHEET *RESPECTIVE SYMBOLS REPRESENTED IN PLAN VIEW ARE NOT TO SCALE*				

	FDFN HILLS PHASE III			STREET PLAN & PROFILE		
	PH PH	STA RKZ EGIS OJ E EJ G No. RK B	TE 0, ANSA ST. T.R SSI 0 INE 13212 . MO	AS HED NAL RR BR		
		REVI	SION	S		
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	DRAWN BY	': 	G	MD (2021		
	SCALE:		<u>-+/ 1/</u> =	=50'		
50						
	SHEET NUMBER:					
	ST-2					

MARK MORRIS P.E.

3221 SHELBY DRIVE JONESBORO, AR 72404 PH: 1-870-919-7700 MARK_B_MORRIS@YAH0

VERTICAL SCALE 1:5 HORIZONTAL SCALE 1:50















щ Р. Y DRIVE , AR 72404 19-7700) RRIS@YAH MORRIS 3221 SHELBY JONESBORO, *I* PH: 1-870-919 MARK_B_MOR MARK Ш III Ι Ц SE 0 K A Р PH 8 HILLS N Δ EDEN K WE SE Alliller No. 13212

Di Di Miller

REVISIONSDATEBYDESCRIPTION

DRAWING INFO.

SHEET NUMBER:

ST-3

DRAWN BY:

CALE:

DATE:

GMD

4/1/2021 1"=50'





