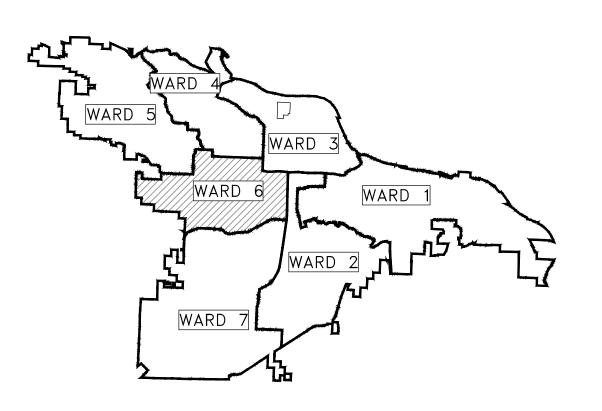
CLR PROJECT # 06-22-DR-013 **DRYAD 208** DRAINAGE IMPROVEMENTS



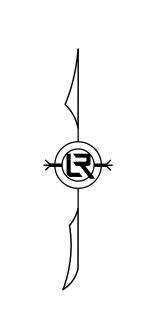
PROJECT LOCATION - WARD 6

SHEET NO.	SHEET TITLE
C1	COVER SHEET
C2	NOTES + QUANTITIES
C3	EXISTING CONDITIONS
C4	PLAN SHEET
C5	TYPICAL SECTIONS

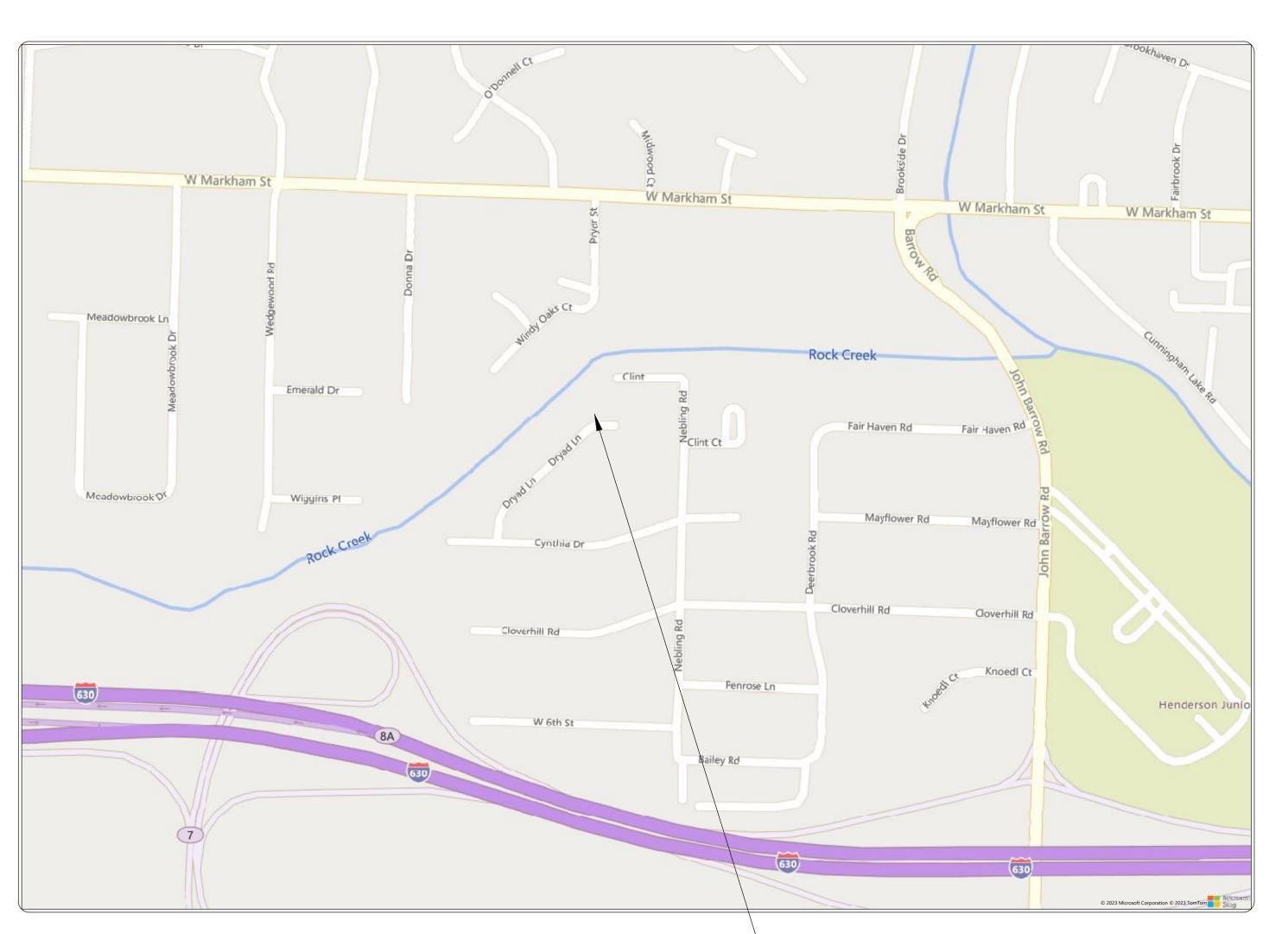
100% DESIGN SUBMITTAL











PROJECT LOCATION

BOND PROGRAM

DEPARTMENT OF PUBLIC WORKS CIVIL ENGINEERING 701 WEST MARKHAM STREET LITTLE ROCK, ARKANSAS 72201

REVISIONS DATE



DRAWN BY DESIGNED CHECKED BJW DATE 5-14-2024

SCALE N.T.S. PROJECT NO. 06-22-DR-013 SHEET NO.

	CLR PROJECT # 06-22-DR-013		
	DRYAD 208 DRAINAGE IMPROVEMENTS		
	14-May-24		
ITEM#	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	EA	1
3.01	UNCLASSIFIED EXCAVATION	CY	10
3.10	GRADING	LS	1
11.05	REINFORCED CONCRETE PRECAST HEADWALL	EA	1
13.42C	42" SIDE DRAIN	LF	130
13.62	TIE INTO EXISTING CONCRETE PIPE	EA	1
18.45	GROUTED RIP RAP PW60	CY	10
19.01	FINAL CLEAN UP	LS	1
24.14	STORM DRAIN OUTLET PROTECTION (ST)	EA	1
606.42C	FLARED END SECTION 42"	EA	1

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LOCAL, CITY, COUNTY, STATE, OR OTHER JURISDICTION, INCLUDING BUILDING PERMITS, STAA, AND SWPPP, AND PAY ALL THE FEES FOR SUCH PERMITS BEFORE START OF ANY CONSTRUCTION ACTIVITIES.
- 2. <u>Caution</u>: underground utilities are within and ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN, AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
- 3. ARKANSAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE ARKANSAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-482-8998. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE ARKANSAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.
- 4. THE CONTRACTOR SHALL FIELD VERIFY THE DEPTHS OF ALL SEWER LINES, WATER LINES, STORM DRAINS, AND OTHER UTILITIES WHICH LIE IN THE PATHS OF THE NEW WATER, GAS, AND SEWER LINES PRIOR TO BEGINNING CONSTRUCTION.
- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION.
- 6. WHERE NEW WATER, SEWER, AND GAS LINES CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER.
- 7. THE CONTRACTOR SHALL TAKE WHATEVER SPECIAL MEASURES NECESSARY SO THAT OVERLAND DRAINAGE IS NOT IMPEDED BY CONSTRUCTION ACTIVITIES. THIS MAY INCLUDE FILLING AND GRADING OR MAY INCLUDE CONSTRUCTING SWALES OR OTHER MEANS OF DRAINAGE. IN ALL CASES, THE WORK AND FINAL INSTALLATION OF THE LINE WORK AND APPURTENANCES SHALL NOT IMPOUND DRAINAGE. FLOODING DAMAGE SHALL BE MADE AT CONTRACTORS EXPENSE.

- 11. IN SUBMITTING HIS BID ON THIS PROJECT, IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONSIDER THE DIFFICULTIES, CONSTRAINTS, AND SPECIAL ATTENTION NEEDED TO COMPLETE THE PROJECT.
- 12. TRENCH BACKFILL AT PIPE DEFLECTIONS SHALL BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY.
- 13. ALL EXISTING WATER, SEWER, AND OTHER UTILITY LINES WHICH DO NOT STAY IN SERVICE SHALL BE ABANDONED IN PLACE UNLESS SPECIFIED OTHERWISE OR SHOWN ON THE PLANS.
- 14. WHERE APPLICABLE, CONSTRUCTION SHALL CONFORM TO AHTD'S "UTILITY ACCOMMODATION POLICY", DATED NOV.
- 15. THE CONTRACTOR SHALL NOT EXCEED THE MAXIMUM JOINT DEFLECTION AS RECOMMENDED BY THE PIPE MANUFACTURER.
- 16. THIS WORK SHALL INCLUDE FURNISHING AND THE INSTALLATION OF PIPES, FITTINGS, ENCASEMENTS, CONNECTIONS, OTHER APPURTENANCES, AND STRUCTURES AS ADDRESSED IN THE UNIT PRICE SCHEDULE AND/OR ON THE PLANS, AND PERFORMING ANY AND ALL OTHER WORK INCIDENTAL THERETO. THE CONTRACTOR SHALL, UNLESS OTHERWISE SPECIFIED, FURNISH ALL LABOR, TOOLS, AND EQUIPMENT NECESSARY TO COMPLETE THE PROJECT. NO SEPARATE PAYMENT WILL BE MADE FOR THOSE MATERIALS OR WORK REQUIRED TO MAKE A COMPLETE, OPERABLE, AND ACCEPTABLE INSTALLATION AS SHOWN ON PLANS OR INDICATED IN THESE SPECIFICATIONS, EXCEPT AS SHOWN ON THE UNIT PRICE SCHEDULE. ANY MATERIALS AND/OR WORK NOT ITEMIZED IN THE UNIT PRICE SCHEDULE OR ADDRESSED IN THE PLANS OR SPECIFICATIONS, BUT NONETHELESS REQUIRED FOR A COMPLETE, OPERABLE, AND ACCEPTABLE INSTALLATION, SHALL BE CONSIDERED SUBSIDIARY TO THE MOST CLOSELY ASSOCIATED BID ITEM AND THE COST THEREOF INCLUDED IN THAT ITEM'S BID PRICE.

EXISTING

LA	BING
IRON ROD PK NAIL R.R. SPIKE CONC. MONUMENT WATER VALVE WATER METER FIRE HYDRANT GAS METER GAS VALVE CLEAN—OUT GUARD POST (BOLLARD) SIGN POST BENCHMARK	O IR O PK O RR(Sp) □ CM ※ WV □ WM ○ FH □ GM ○ GV ○ CO ● GP
STORM SEWER MANHOLE	D
SANITARY SEWER MANHOLE	S
TELEPHONE MANHOLE	T
ELECTRIC MANHOLE	E
TELEPHONE BOX ELECTRIC BOX CABLE BOX UTILITY POLE GUY WIRE LIGHT POLE POST OR POLE (TYPE AS NOT MAILBOX	T E C C ← ∴
DECIDUOUS TREE	
EVERGREEN/CONIFEROUS TREE	= <u>% %</u>
BUSH	
PROPERTY LINE SETBACK LINE EASEMENT LINE CURB FENCE OVERHEAD ELECTRIC OVERHEAD TELEPHONE OVERHEAD CABLE UNDERGROUND TELEPHONE UNDERGROUND ELECTRIC UNDERGROUND CABLE WATER LINE SEWER LINE GAS LINE	
STORM SEWER/CULVERT	24" CMP/RCP/DIP
EDGE OF WOODS CONTOUR LINE	650

PROPOSED

11101 0025	
PROPOSED CONTOUR	25
PROPOSED SPOT ELEVATION	(25.00)
PROPOSED SPOT CURB ELEVATION	(25.50) (25.00)
STORM SEWER - PIPE	
STORM SEWER - MITERED END SECTION STORM SEWER - GRATE INLET	
STORM SEWER - GRATE INCET	
STORM SEWER — JUNCTION BOX	
STORM SEWER - FLARED END SECTION	
STORM SEWER - HEADWALL	$ \overline{\sim} $
STORM SEWER - SINGLE WING	
STORM SEWER - DOUBLE WING	
STORM SEWER - AREA INLET	
GRADE BREAK LINE	
HIGH POINT LOW POINT	HP LP
CUT LINE	— C—
FILL LINE SANITARY SEWER PIPE	— F — — SAN —
SANITARY SEWER MANHOLE	(S)
PROPOSED CURB	
PROPOSED CONCRETE	
CONSTRUCTION - ENTRANCE/EXIT	<u>CO</u>
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER — SILT FENCE	(SD1)
SEDIMENT BARRIER — GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	(SB1)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION -TEMPORARY STABILIZAT	TON TS1
DISTURBED AREA STABILIZATION -TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION -PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

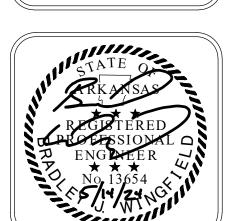
REVISIONS DATE

EMEN. **ARKANSAS PROVI**

OF CITY ₹



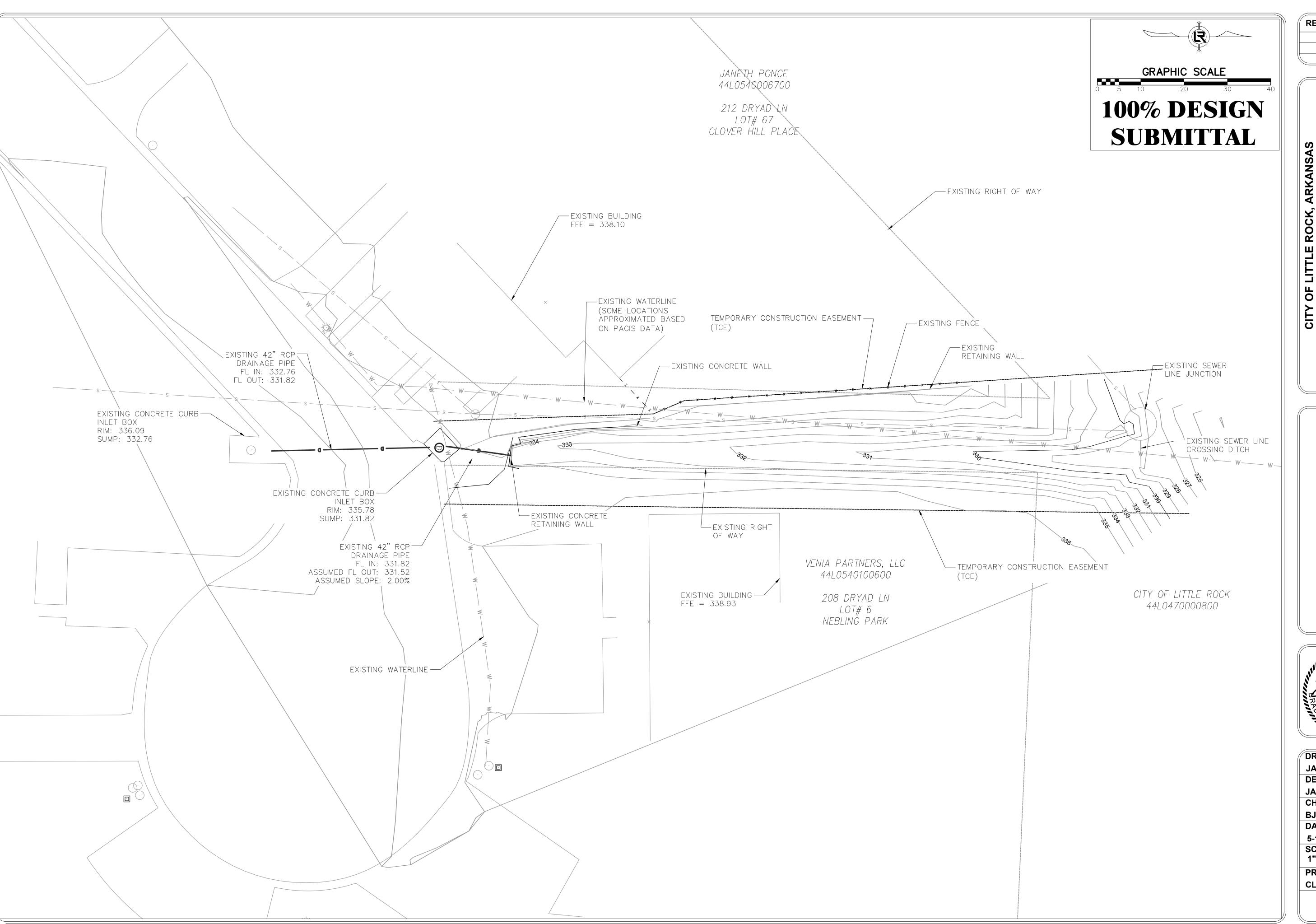
ROCK,



DRAWN BY JAM DESIGNED JAM CHECKED BJW DATE 5-14-2024

N.T.S. PROJECT NO. CLR 06-22-DR-013 SHEET NO.

SCALE



REVISIONS DATE

OF LITTLE ROCK, ARKANSAS 208 DRAINAGE IMPROVEMENTS

DRYAD 208 DRAINAGE IMPRO

DEPARTMENT OF PUBLIC WORKS

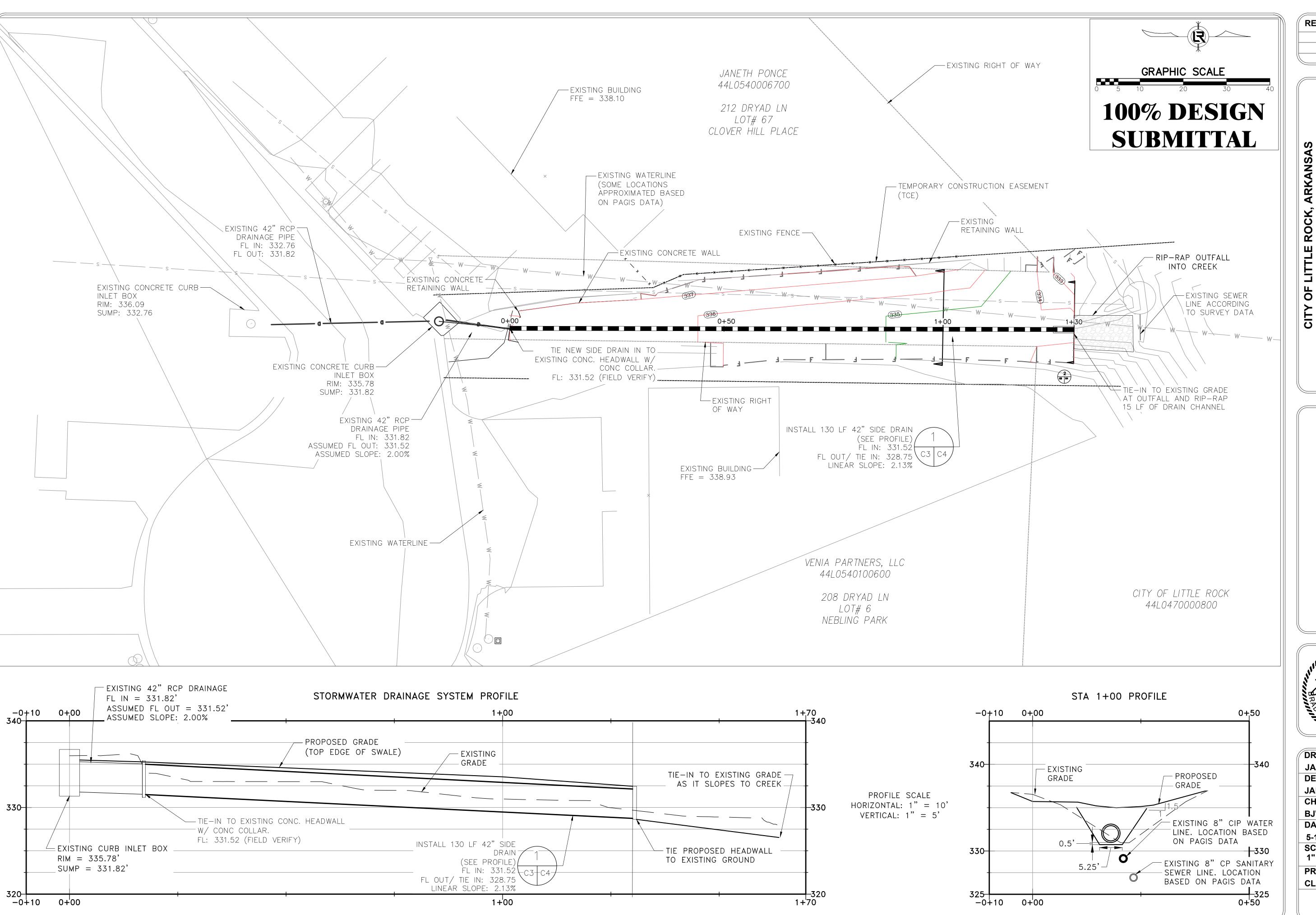
CIVIL ENGINEERING

701 W. MARKHAM



DRAWN BY
JAM
DESIGNED
JAM
CHECKED
BJW
DATE
5-14-2024
SCALE

1" = 10'
PROJECT NO.
CLR 06-22-DR-013
SHEET NO.



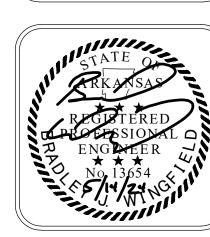
REVISIONS DATE

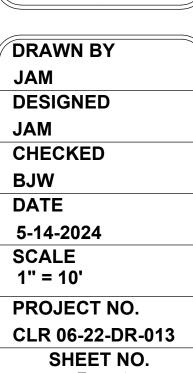
AGE IMPROVEMENTS

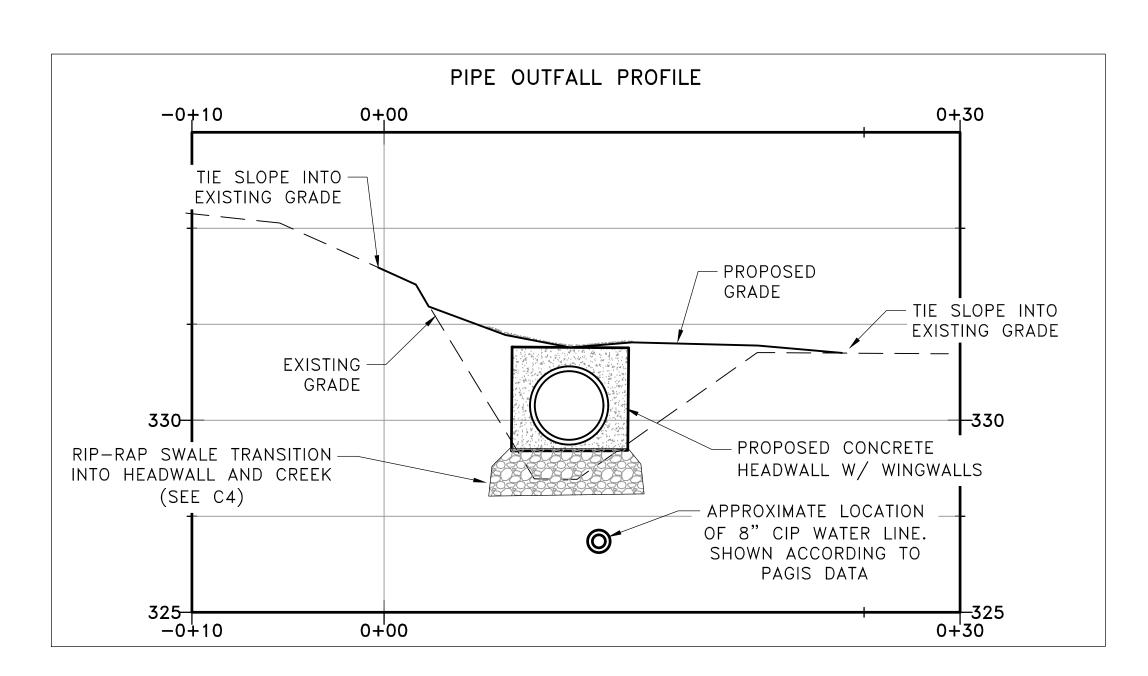
RAINAGE IMPE

DRYAD 208 DRAINAGE I

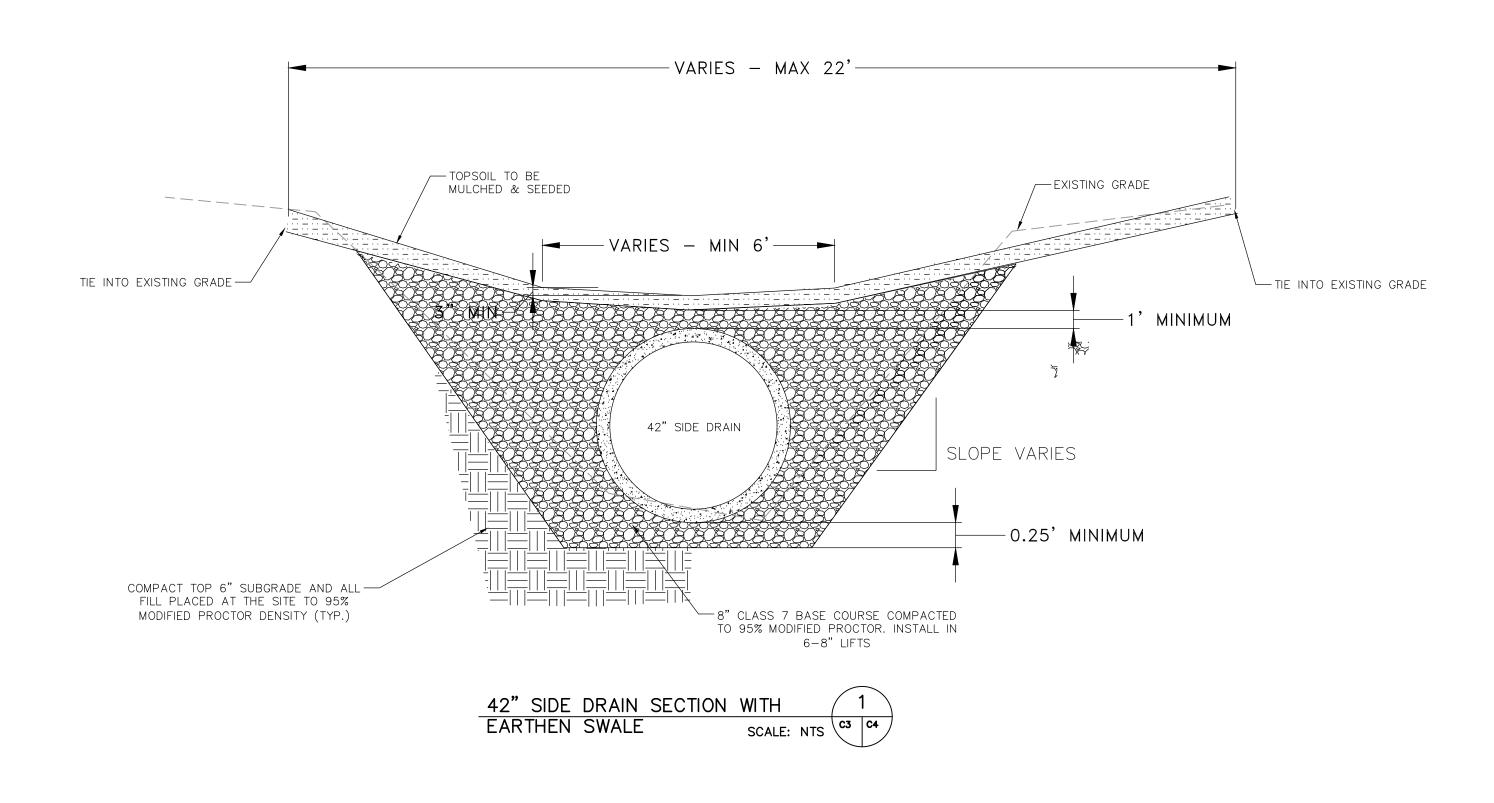
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201











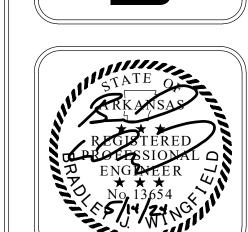
REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS DRYAD 208 DRAINAGE IMPROVEMENT

ARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM



DRAWN BY
JAM
DESIGNED
JAM
CHECKED
BJW
DATE
5-14-2024
SCALE
NTS
PROJECT NO.

PROJECT NO.
CLR 06-22-DR-013
SHEET NO.