

VICINITY MAP  
Not to Scale

TO THE BEST OF OUR KNOWLEDGE AND ENGINEERING, WE HEREBY STATE THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

NOTE: SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, BUILDING UTILITY ENTRANCE LOCATIONS, AND PRECISE BUILDING DIMENSIONS.

NOTE: GROUND AREA PROPOSED APPROXIMATELY 0.91 ACRES (39,691 SF.)

CALCULATED LOCAL 100 YEAR STORM CHANNEL ELEVATION BASED ON CITY OF ROCKWALL TOPO PROVIDED BY CITY ENGINEERING DEPARTMENT. TOTAL OVERALL AREA ACCOUNTED FOR IS 16.16 ACRES (0.83 ACRES OF SINGLE FAMILY ZONING AND 15.33 ACRES OF COMMERCIAL ZONING). SINGLE FAMILY ZONING COEFFICIENT = 0.5 COMMERCIAL ZONING COEFFICIENT = 0.3

LOCAL 100-YEAR STORM CHANNEL SECTION ELEVATIONS:  
SECTION "A" ELEVATION=532.00'  
SECTION "B" ELEVATION=528.50'  
SECTION "C" ELEVATION=521.00'

Sonic - Rockwall, TX

Modified Rational Method Q=CIA		Future Conditions - 100 year		Drainage Area		C		I, in/hr		Q, cfs	
Present Conditions - 100 year	A, acres	0.91	0.91	1	0.116	0.90	9.80	1.02	2.00	0.90	0.83
	C	0.35	0.35	2-detained	0.105	0.90	9.80	0.83	3	0.571	0.90
	Tc	20.00 min	10.00 min	4-detained	0.571	0.90	9.80	5.04	5	0.029	0.90
	I	5.30 in/hr	9.80 in/hr								
	Q	2.64 cfs	8.65 cfs								

Release Rate Allowed		Area Not Being Detained		Allowable Flow Rates		Flow Rates of Area Not Being Detained	
Present Condition Q - Area Not Being Detained Q	Q, cfs	A, acres	C	A, acres	C	I, in/hr	Q, cfs
	0.53	0.24	0.90	5 year	0.91	0.35	5.1
		0.24	0.90	10 year	0.91	0.35	5.1
		0.24	0.90	25 year	0.91	0.35	5.1
		0.24	0.90	100 year	0.91	0.35	5.1

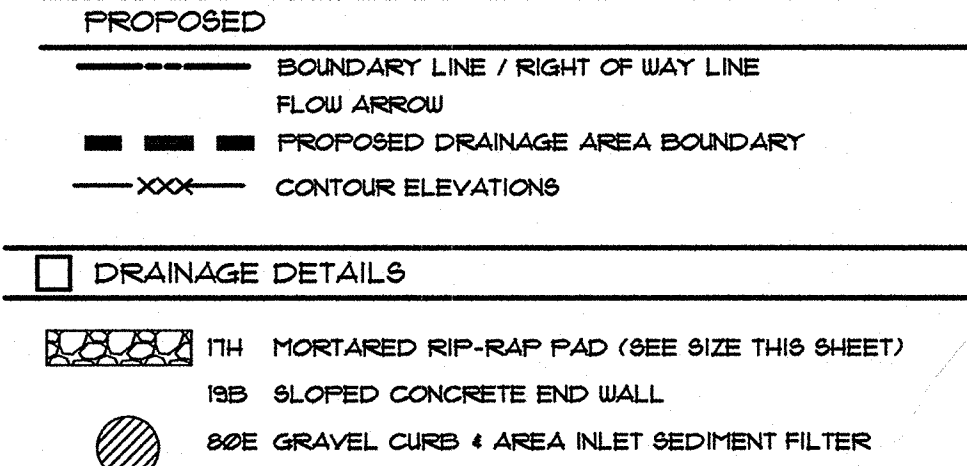
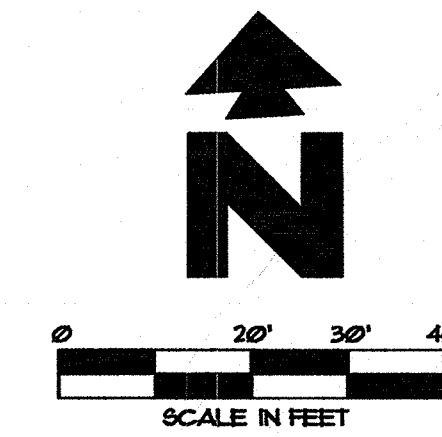
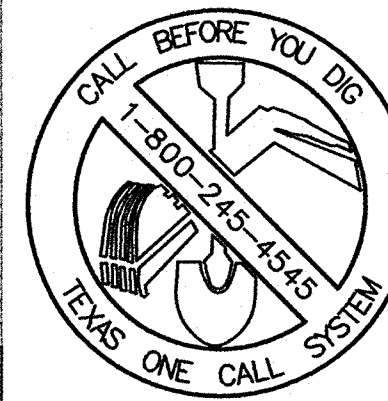
Area Being Detained		Area 1		Area 2	
A, acres	0.67	A, acres	0.19	A, acres	0.19
C	0.35	C	0.35	C	0.35
I, in/hr	9.80	I, in/hr	9.80	I, in/hr	9.80
Q, cfs	5.91	Q, cfs	2.12	Q, cfs	2.12

Flow Rates Released From Detention - Obtained from Hydrograph		Area 4		Area 2	
5 year	1.62	1.61	1.61	1.61	1.61
10 year	1.90	1.88	1.88	1.88	1.88
25 year	2.13	2.09	2.09	2.09	2.09
100 year	2.54	2.42	2.42	2.42	2.42

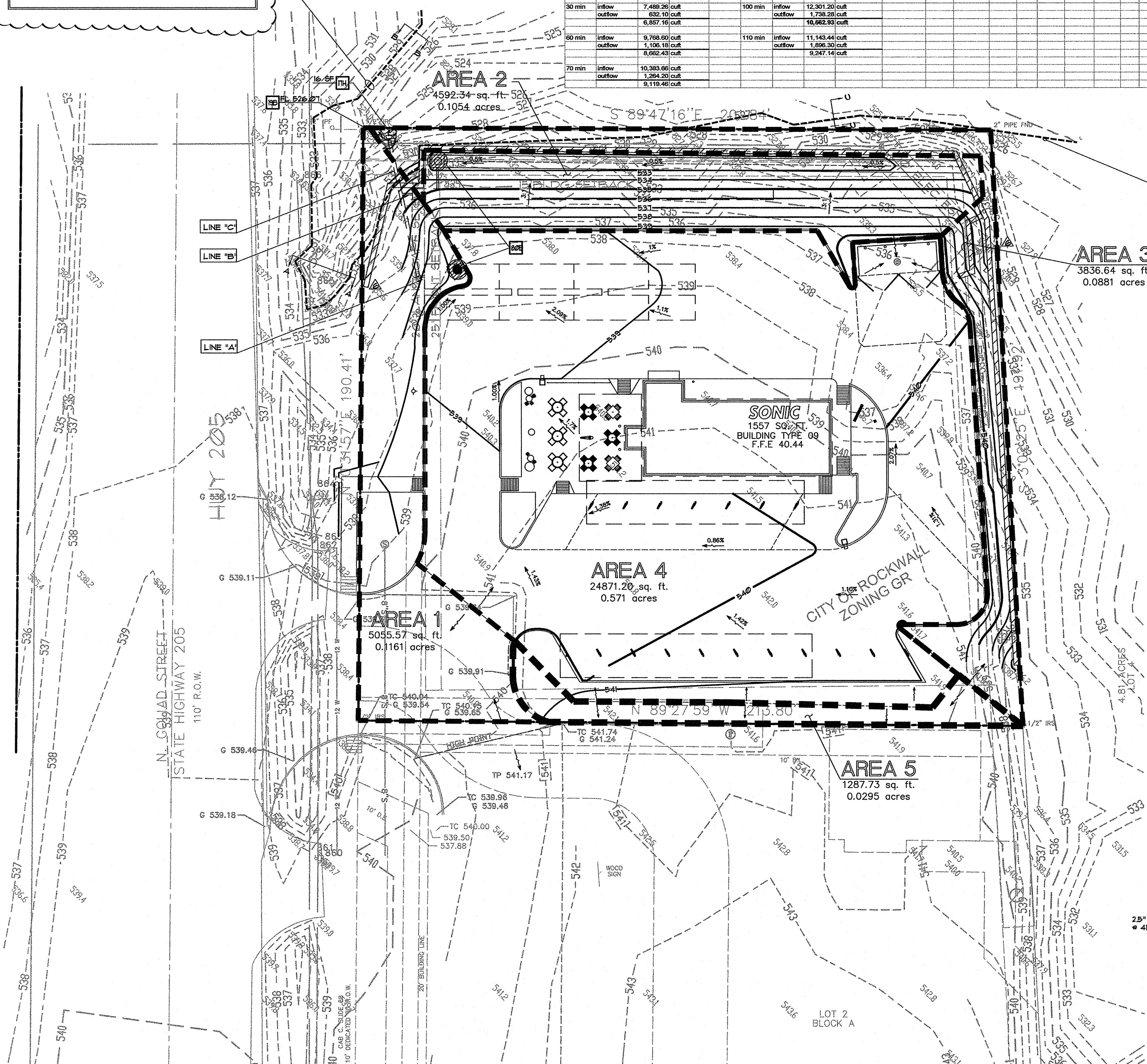
  

Q allowable Q actual		Area 4		Area 2	
5 year	1.62	1.61	1.61	1.61	1.61
10 year	1.90	1.88	1.88	1.88	1.88
25 year	2.13	2.09	2.09	2.09	2.09
100 year	2.54	2.42	2.42	2.42	2.42



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GENERAL NOTES:

- ALL DIMENSIONS AT CURBS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL AND PRACTICAL INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES AND CIRCUITING.
- ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 4" BELOW TOP OF ALL WALKS AND CURBS. TOP SOIL TO BE ADDED TO THE LEVEL OF THE WALKS OR CURBS.

SITE PLAN KEYNOTES

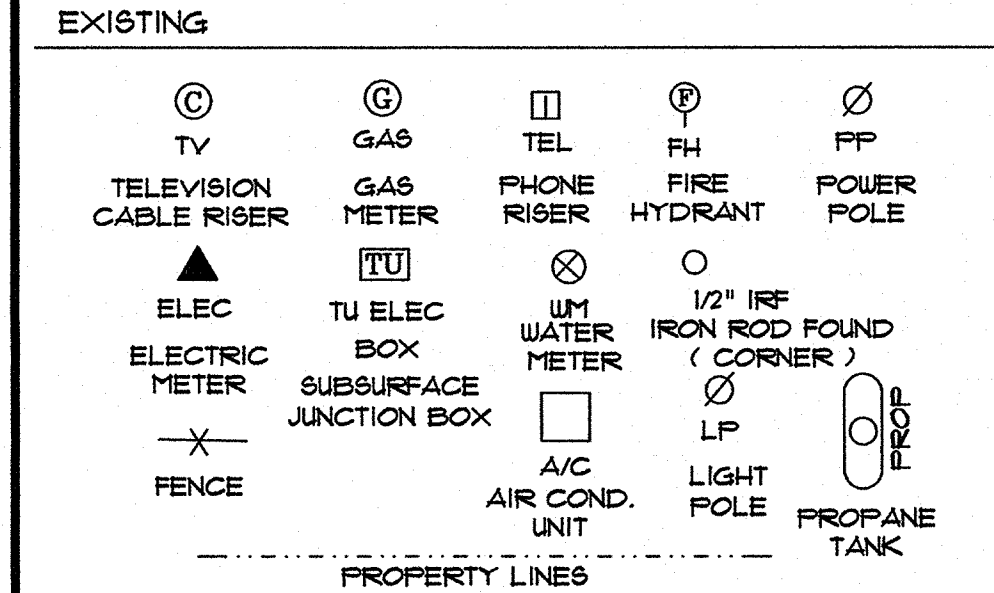
ITEM	NOTE
1	TRAFFIC FLOW ARROW (TYPICAL), REF: SD4.23
2	4" PAINTED STRIPES (TYPICAL), REF: SPECIFICATIONS, SECTION 02520, SHEET SP1
3	CURB RAMP (TYPICAL), REF: SD4.05
4	8" TALL TRASH ENCLOSURE, REF: SD3.01
5	RAILING, REF: SD2.24
6	BOLLARD, REF: SD2.20
7	GREASE TRAP, REF: P2.02
8	6" SANITARY SEWER LINE (PRIVATE)
9	2" UNDERGROUND GAS LINE
10	UNDERGROUND WATER LINE W/1" METER
11	UNDERGROUND ELECTRIC LINE
12	2" UNDERGROUND TELEPHONE LINE
13	4" PVC PIPE SLEEVE UNDER DRIVE FOR IRRIGATION SYSTEM
14	MENU / CANOPY POST (TYPICAL), REF: CA1.23
15	CONCRETE DRIVE, BUILD IN ACCORDANCE WITH CITY AND OR STATE SPECIFICATIONS
16	6" THICK CONCRETE PAVING (3600 psi)
17	8" THICK CONCRETE PAVING IN THIS AREA (4000 psi)
18	- NOT USED -
19	- NOT USED -
20	CONC. CURB & GUTTER, REF: DETAILS ON CIVIL SHEETS
21	CONC. WALKS AND PATIO REF: CIVIL DRAWINGS & SD5.
22	LOOSE TABLES & CHAIRS, REF: SD5 FOR SPECS.
23	1" YARD HYDRANT OFF IRRIGATION LINE, SUPPLIED AND INSTALLED BY PLUMBING CONTRACTOR
24	FLOWER POTS PROVIDED BY SONIC
25	- NOT USED -
26	TRASH CANS WITH 2'X2' PADS

SIGN SCHEDULE

ITEM	QTY.	REFERENCE	SIGN TYPE
1	2	SD2.15	HANDICAPPED PARKING SIGN

IDENTIFICATION SIGNS BY SEPARATE DOCUMENT

LEGEND



LEGAL DESCRIPTION

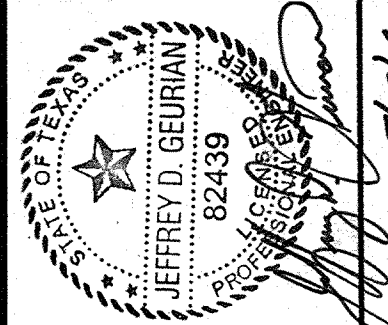
BEING LOT 3, BLOCK A, OF REPLAT HILLCREST CENTER, LOT 1, BLOCK A AN ADDITION TO THE CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS, ACCORDING TO THE PLAT THEREOF RECORDED IN CABINET G, SLIDE 181-188, PLAT RECORDS OF ROCKWALL COUNTY, TEXAS.

BENCHMARK

BENCHMARK = RAILROAD SPIKE IN POWER POLE AT NEC OF SH 205 & FH 552. BENCHMARK IS APPROXIMATELY 225 FEET SOUTH OF SOUTHWEST CORNER OF PROPERTY. ELEVATION=543.15.

FLOOD STATEMENT

ACCORDING TO FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO.480541 0005 C DATED JUNE 16, 1992, THIS PROPERTY LIES IN ZONE "X". THIS PROPERTY DOES NOT APPEAR TO LIE WITHIN A 100 YEAR FLOOD PLAIN.



NO	DATE	REVISIONS
1	07/07/08	REVISED PER CITY COMMENTS
2	08/08/08	REVISED PER CITY COMMENTS
3	08/19/08	REVISED PER CITY COMMENTS
4	09/16/08	FINAL PLANS
5	09/16/08	REVISED PER FIELD ADJUSTMENTS
6	07/28/09	RECORDED DRAWINGS FOR CITY

**ENGINEERING ASSOCIATES, INC.**  
PLANNERS SURVEYORS ENGINEERS  
317 SW "H" Street  
Bentonville, AR 72712  
(479) 273-9474  
FAX (479) 273-0844  
JOB NO.: 24989PROU  
DATE: 02-27-09  
REV: 0

**SONIC CORPORATION**  
300 JONNY BENCH DRIVE  
OKLAHOMA CITY, OK 73104  
OFFICES: 405-425-5000  
SONIC DRIVE-IN  
SONIC TYPE: 09  
HUY 205 & HUY 552  
ROCKWALL, TEXAS  
DRAINAGE AREA MAP

SONIC DRIVE-IN  
SONIC TYPE: 09  
HUY 205 & HUY 552  
ROCKWALL, TEXAS  
DRAINAGE AREA MAP

SHEET  
**C-3**  
DWG: 24989PROU  
DATE: 03/10/08