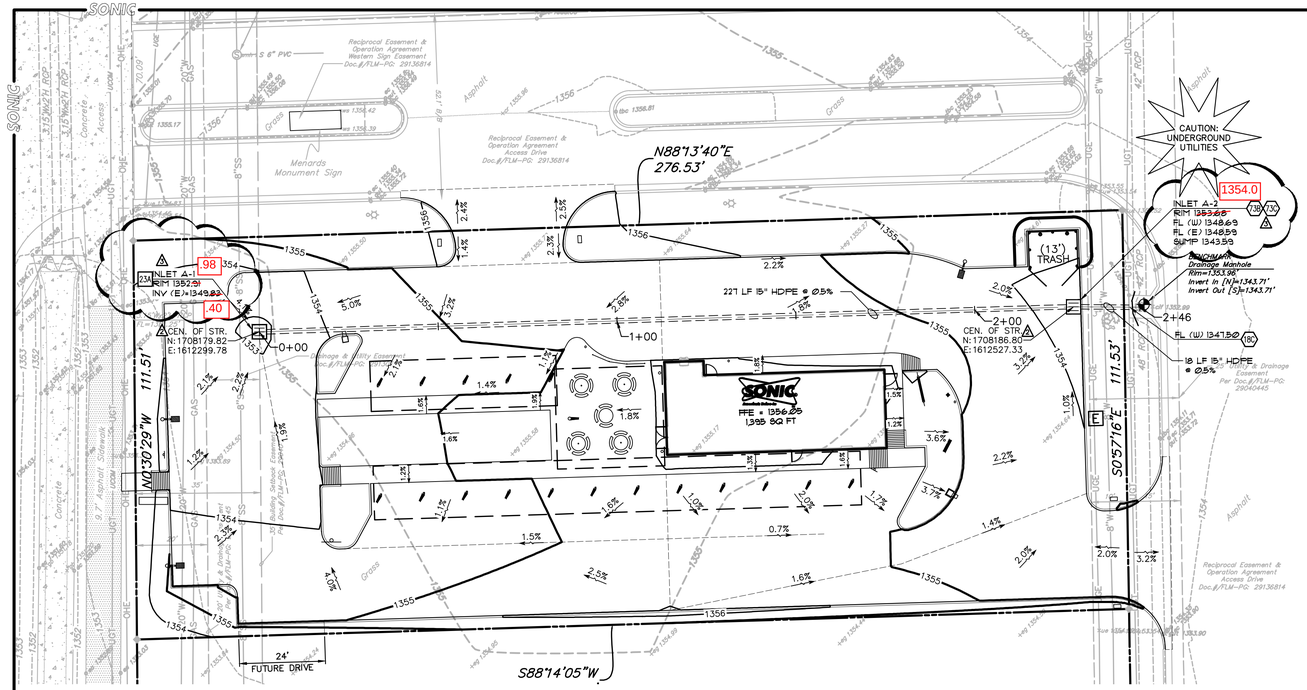
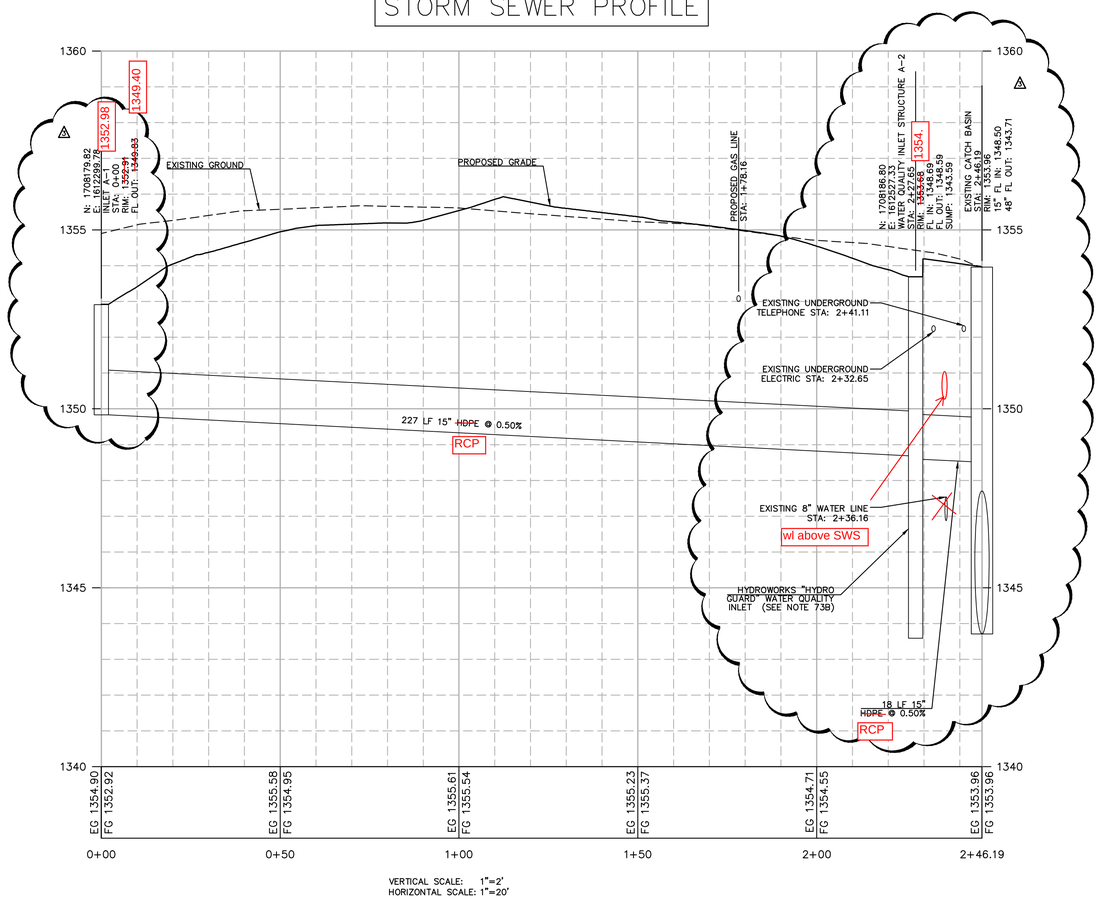


STORM SEWER PROFILE



LEGEND

EXISTING

- PROPERTY LINE
- LOT LINE
- EASEMENT LINE
- SECTION LINE
- STORM DRAIN
- GAS — GAS LINE
- OHE — OVERHEAD ELECTRIC
- X"S — SANITARY SEWER LINES
- UCOM — UNDERGROUND COMMUNICATION LINE
- UGE — UNDERGROUND ELECTRIC
- UGT — UNDERGROUND TELEPHONE
- X"W — WATER LINE MARKED ON THE GROUND
- BENCHMARK
- DRAINAGE MANHOLE
- (x") DECIDUOUS TREE (SIZE)
- ELECTRICAL METER
- FIRE HYDRANT
- FOUND REBAR (AS NOTED)
- LIGHT POLE – 1 IN LINE LAMP
- E RISER ELECTRIC
- T RISER TELEPHONE
- SIGN FIBEROPTICS
- SIGN UNDERGROUND TELEPHONE
- S SEWER MANHOLE
- UTILITY POLE
- WATER VALVE
- B/B BACK-TO-BACK CURB
- CIF CURB INLET FLOW
- CR CROWN
- EA EDGE OF ASPHALT
- EC EDGE OF CONCRETE
- EG EXISTING GRADE
- FLP FLOW LINE PIPE
- GB GRADEBREAK
- GUT GUTTER (FLOWLINE)
- PVC POLYVINYL CHLORIDE PIPE
- RCP REINFORCED CONCRETE PIPE
- ST STRIPE
- STB STRIPE BROKEN
- STSB STRIPE SOLID & BROKEN
- TBC TOP BANK CURB
- CONCRETE
- ACCESS DRIVE

PROPOSED

- BOUNDARY LINE
- RIGHT OF WAY LINE
- GRADE BREAK
- XXX — CONTOUR ELEVATIONS
- x XX.XX — SPOT ELEVATIONS:
  - TC = TOP OF CURB/CONCRETE
  - TP = TOP OF PAVEMENT
  - SW = TOP OF SIDEWALK
  - G = GUTTER
  - EG = EXISTING GRADE
  - FG = FINISHED GRADE

GENERAL GRADING NOTES

A. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.

B. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL APPROVED BY THE OWNER AS NEEDED. THE AREA SHALL THEN BE COVERED WITH SOD, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS (SEE LANDSCAPE PLAN FOR SOD TYPE AND PROPER APPLICATION RATE). ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

C. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

⬡ GRADING NOTES

18C CONNECT TO EXISTING STORM DRAIN MANHOLE OR INLET
18D MATCH EXISTING PAVEMENT ELEVATIONS
91B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
73A GRADES IN ADA PARKING AND LANDING AREA SHALL NOT EXCEED 2% IN ANY DIRECTION
73B HYDROWORKS "HYDRO GUARD" MODEL HG-4 STORM WATER QUALITY DEVICE WITH INLET TOP AND PIPE INLET.
WICHITA CONCRETE PIPE COMPANY
JEFF HERLOCKER, P.E.
221 W. 37TH STREET
WICHITA, KS 67204
316-838-8651

73C CONTRACTOR SHALL EXCAVATE AROUND PROPOSED HYDROWORKS INLET TO CONFIRM WATER LINE LOCATIET AS SHOWN ON PLAN WILL NOT CONFLICT WITH DISCHARGE PIPE FROM WATER QUALITY STRUCTURE BEFORE ORDERING STRUCTURE. NOTIFY ENGINEER IMMEDIATELY IF WATER LINE IS FOUND TO BE IN CONFLICT WITH PROPOSED DESIGN.

☐ GRADING DETAILS

23A GRATE INLET

GENERAL NOTES:

1. ALL DIMENSIONS AT CURBS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY, EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL AND PRACTICAL INSTALLATION.
3. 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.
4. LOCATIONS OF PYLON / MONUMENT SIGNS AND ENTER / EXIT SIGNS ARE NOT EXACT. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS WITH OWNER / CONSTRUCTION MANAGER.
5. ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" 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: SD1.16
2	4" PAINTED STRIPES (TYPICAL), REF: SPECIFICATIONS, SECTION 02500, SHEET SP1
3	CURB RAMP (TYPICAL), REF: SD1.19
4	TRASH ENCLOSURE, REF: ARCH PLANS
5	RAILING, REF: ARCH PLANS
6	BOLLARD, REF: SD1.4
7	GREASE TRAP, REF: PLUMBING PLANS
8	6" SANITARY SEWER LINE
9	2" UNDERGROUND GAS LINE
10	1-1/2" UNDERGROUND WATER LINE W/1" METER
11	UNDERGROUND ELECTRIC LINE
12	2" CONDUIT FOR UNDERGROUND TELEPHONE LINE
13	4" PVC PIPE SLEEVE UNDER DRIVE FOR IRRIGATION SYSTEM
14	ORDER BOARD AND DETECTOR LOOP, REF: ARCH. PLANS
15	MENU / CANOPY POST (TYPICAL), REF: ARCH PLANS
16	CONCRETE DRIVE, BUILD IN ACCORDANCE WITH CITY AND OR STATE SPECIFICATIONS
17	CONCRETE PAVING
18	8" THICK, CONCRETE PAVING IN THIS AREA
19	- NOT USED -
20	- NOT USED -
21	- NOT USED -
22	POLE MOUNTED FLOOD LIGHTS, REF: SD1.15 AND FIXTURE SCHED. ON SHEET E2
23	ASPHALT PAVING REF: DETAILS ON CIVIL SHEETS.
24	CONC. CURB & GUTTER, REF: DETAILS ON CIVIL SHEETS
25	CONC. WALKS AND PATIO REF: CIVIL DRAWINGS & SD3.
26	LOOSE TABLES & CHAIRS, REF: ARCH PLANS
27	FLOWER POTS PROVIDED BY SONIC
28	- NOT USED -
29	- NOT USED -
30	TRASH CANS WITH 2'X2' PADS

SIGN SCHEDULE

ITEM	QTY.	REFERENCE	SIGN TYPE
A	1	ARCH.	PYLON SIGN
B	2	ARCH.	ENTER SIGN
C	2	ARCH.	EXIT SIGN
D	1	ARCH.	SIGN ON BLDG.
E	2	SD 1.03	HANDICAPPED PARKING SIGN

AS BUILTS
kemiller engineering
516 S. Market,
Wichita, KS 67202
(316)264-0242

102 PPD (607861)
A

LEGAL DESCRIPTION

North 111.51 feet of Lot 2, Block 1, Stonebridge Commercial Addition, an Addition to Wichita, Sedgwick County, Kansas.

BENCHMARK

Drainage Manhole Rim located near the Northeast corner of North Portion of Lot 2, Stonebridge Commercial Addition. Elevation = 1353.96'

FLOOD STATEMENT

THE SUBJECT PROPERTY IS LOCATED IN AN AREA LABELED ZONE "X" (AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN) AS DETERMINED BY FEMA FLOOD INSURANCE RATE MAP NUMBER 20173C0330E, SEDGWICK COUNTY, KANSAS, EFFECTIVE DATE FEBRUARY 2, 2007

811 Know what's below. Call before you dig.

REVISIONS

NO	DATE	
A	4-24-12	PERMIT SUBMITTAL
B	5-30-12	REVISED PER CITY COMMENTS
C	6-12-12	REVISED PER STORMWATER COMMENTS
D	7-16-12	REVISED STORM STRUCTURE & LANDSCAPE

CEI® Engineering Associates, Inc.
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS
3108 SW Regency Parkway, Suite 2
Bentonville, AR 72712
(479) 273-9472
FAX (479) 273-0844
DWG NAME: 27024Proj
JOB NO.: 27024
DATE: 7/13/12
REV-2

SONIC CORPORATION
3200 JOHNNY BENCH DRIVE
OKLAHOMA CITY, OK 73104
OFFICE: 405-235-5000

COPYRIGHT 1980-2000 AMERICA'S DRIVE-IN CORP.
THESE DRAWINGS ARE NOT TO BE USED FOR ANY PURPOSE OTHER THAN AT THE DESIGNATED SONIC DRIVE-IN LOCATION WITHOUT THE WRITTEN CONSENT OF THE SONIC DRIVE-IN, INC. SPECIFIED LOCATION.

SONIC DRIVE-IN
SONIC TYPE: 1282-60
3648 N. MAIZE ROAD
WICHITA, KANSAS

STORM PROFILE

SHEET
C4.1
DWG: 27024PROJ.DWG
DATE: 7/13/12

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JOB # 27024 DRAWING: 27024proj.dwg LAST SAVED BY: NAB