APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____

Storm Sewers VRH 12/14/98

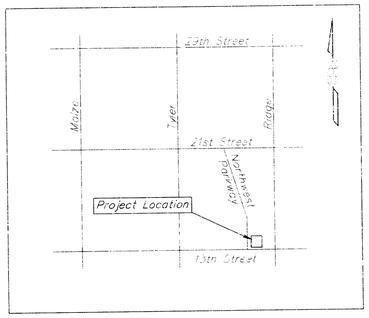
Driveway Approaches _____

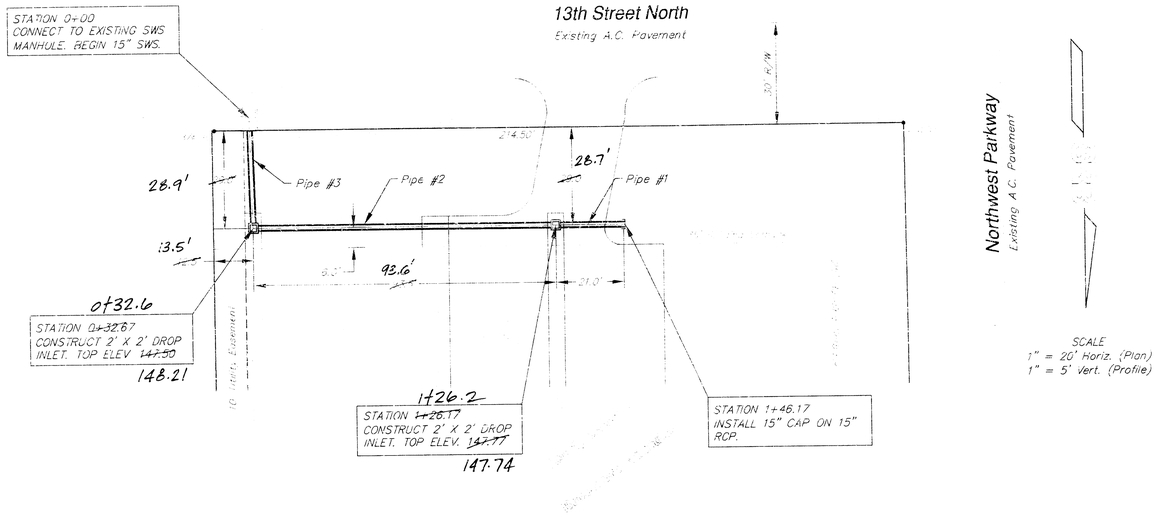
Water Mains _____

Paving _____

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said Inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.





BENCH MARKS

C.O.W. Disc 95' north and 50' east of the intersection of 13th St. N. and Ridge Road. ELEV.= 147.85 City Datum

South Rim of Sanitary Sewer Manhole 14.4' north and 5.8' east of northeast property corner. ELEV.= 147.08 City Datum

GENERAL NOTES

1. Traffic will not be affected by the construction of this project.
2. Contractor will be required to provide a minimum advance notice of twenty-four (24) hours to utility companies prior to starting any excavation as follows:
   Kansas One-Call 687-2470
3. The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.
4. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
5. All work on this project shall conform to the Standard Specifications for Storm Sewer Construction of the City of Wichita.
6. All areas within public right-of-way which may be disturbed by contractor's operations shall be restored in accordance with City of Wichita Administrative Regulation AR-78.

RUNOFF CALCULATIONS

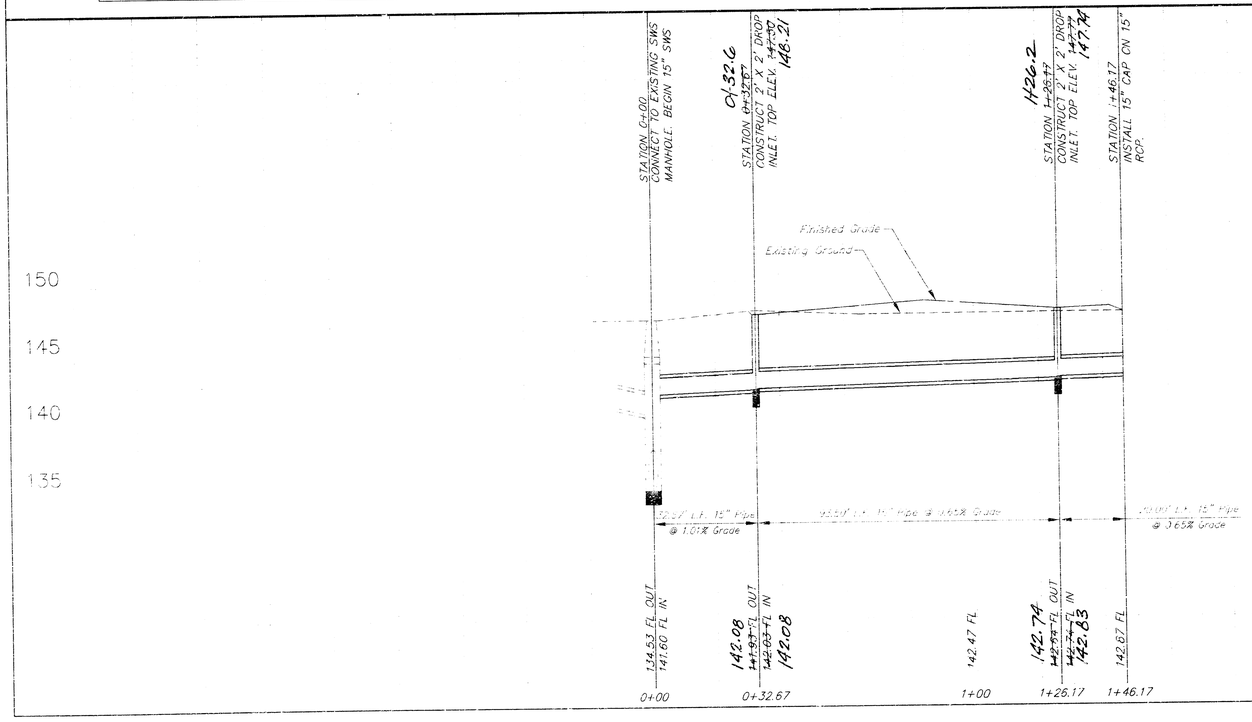
By Rational Formula: Q = C I A
Area 1 (1+46.17) = 0.39 acres
C_5 = 0.69 C_{100} = 0.80
I_5= 4.56 in./hr. I_{100}= 7.37 in./hr.
Q_5= 1.2 cfs Q_{100}= 2.3 cfs
Time of concentration = 15 min.

Area 2 (1+26.17) = 0.48 acres
C_5 = 0.69 C_{100} = 0.80
I_5= 4.56 in./hr. I_{100}= 7.37 in./hr.
Q_5= 1.5 cfs Q_{100}= 2.8 cfs
Time of concentration = 15 min.

Area 3 (0+32.67) = 0.48 acres
C_5 = 0.69 C_{100} = 0.80
I_5= 4.56 in./hr. I_{100}= 7.37 in./hr.
Q_5= 0.8 cfs Q_{100}= 1.4 cfs
Time of concentration = 15 min.

Pipe No.	Q_5	Q_{100}
1	1.2	2.3
2	2.7	5.1
3	3.5	6.5

BOOKED 4-7-99 D-120



AS BUILT SURVEY: 3/29/99

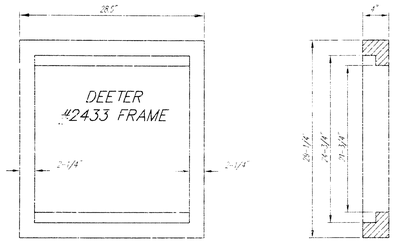
PRIVATE STORM SEWER EXTENSION SERVING
LOT 1, BLOCK 1, BROCK 3RD ADDITION
WICHITA, KANSAS

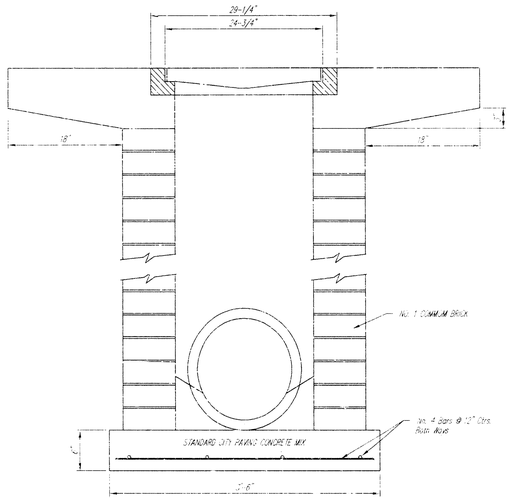
SRB
SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

PROJECT NUMBER
872 PPS (607861)

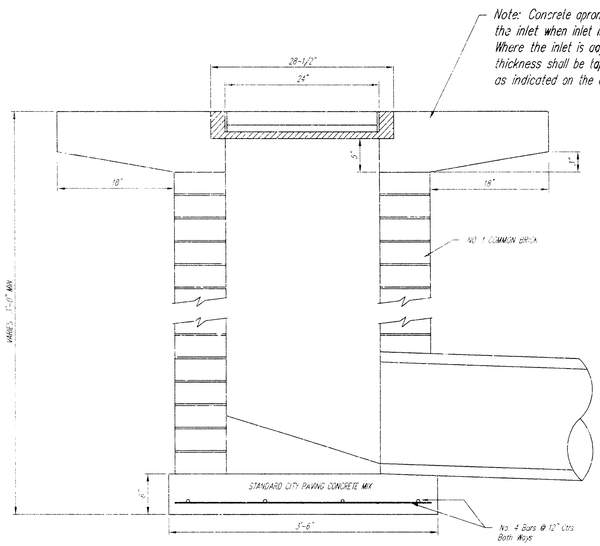
DESIGN	DRAWN	CHECKED	REVIEWED	DATE	REVISED
CMB/KWL	KWL			Dec. 11, 1998	

SHEET 1 OF 2





Note: 12" Apron to be used on inlets in this project.



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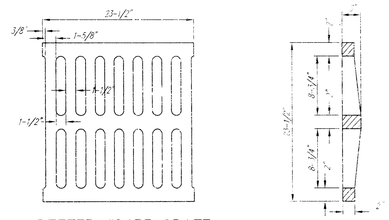
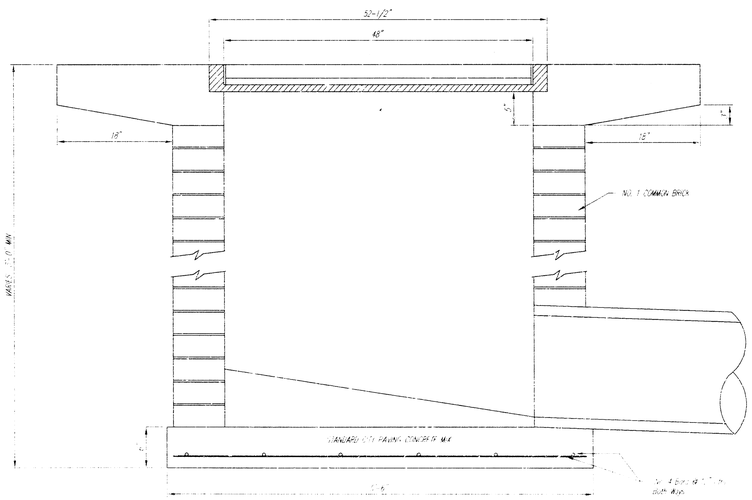
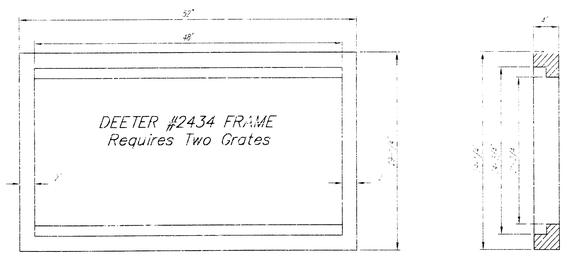


DEETER #2433 GRATE

NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

24" x 24" Frame and Grate Detail





Double 24" x 24" Frame Detail

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4114 TAX

DROP INLET
2'x2' / 2'x4'

M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER	INDEX CODE
872 PPS	607861
DATE MAR 96	SHEET 2 OF 2

ST 10 80 8T