STORM WATER SEWER IMPROVEMENTS TO SERVE
RIDGE PORT NORTH ADDITION
Lot 6
Private Project Number
1071 PPS (607861)
CITY OF WICHITA, KANSAS
Michael E. Lindebak, P.E. City Engineer
DECEMBER 2000

GENERAL NOTES:

1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

   Kansas One-Call 687-2470

   The Contractor must notify the following in case of an emergency:

Cox Communications, Inc.	262-0661
K.P.L. Gas Service Company	383-8650
Kansas Gas & Electric Company	383-8600
Peoples Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Dept.	268-4908
City of Wichita Traffic Engineering	269-4446

2. Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

3. 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.

4. Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.

5. All areas disturbed by construction shall be seeded and fertilized as follows:
   SEED--
   8 lbs. per 1000 s.f. of K-31 Fescue.
   FERTILIZER--
   12-24-12 ratio - 850 lbs./ac.
   MULCH--
   2 tons of Prairie Hay or Bromegrass Hay per Acre-"potted" with forks or punched into soil to reduce loss due to wind.

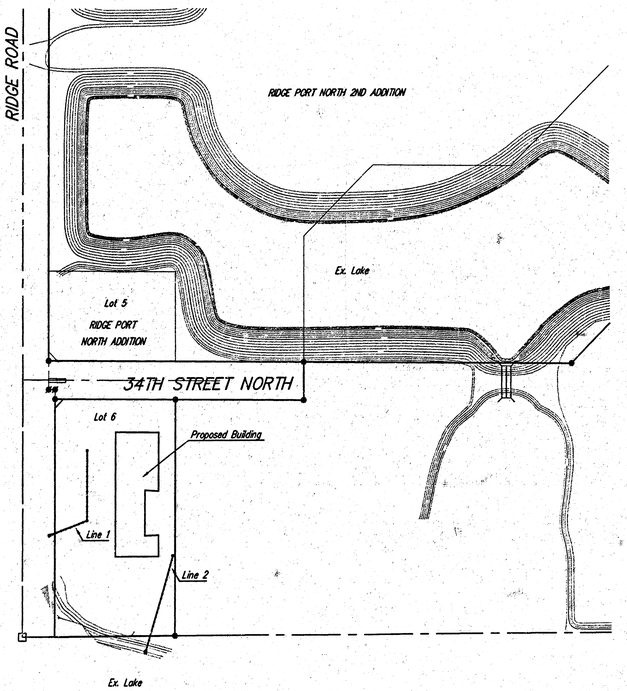
6. This project is subject to a current SWPP Plan. Contractor shall comply with any unusual requirements as necessary for site to be in compliance during construction.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Storm Sewers URH 12/21/00

NOTE TO CONTRACTORS

Installation, inspection and testing for this project is 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. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).



1" = 150'

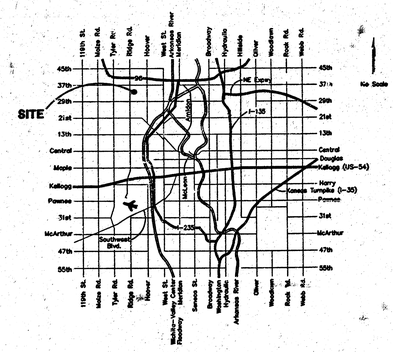
BENCHMARKS:

CITY DISC - SW COR. RIDGE RD. & 29TH ST. NO., 80.8' S. & 63.7' W. OF ℄ BOTH.
ELEV. = 1339.15 CITY DATUM (1326.55 M.S.L.)

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Copy of Plat	5

BOOKED
4-23-01
MCG
D-507



Vicinity Map

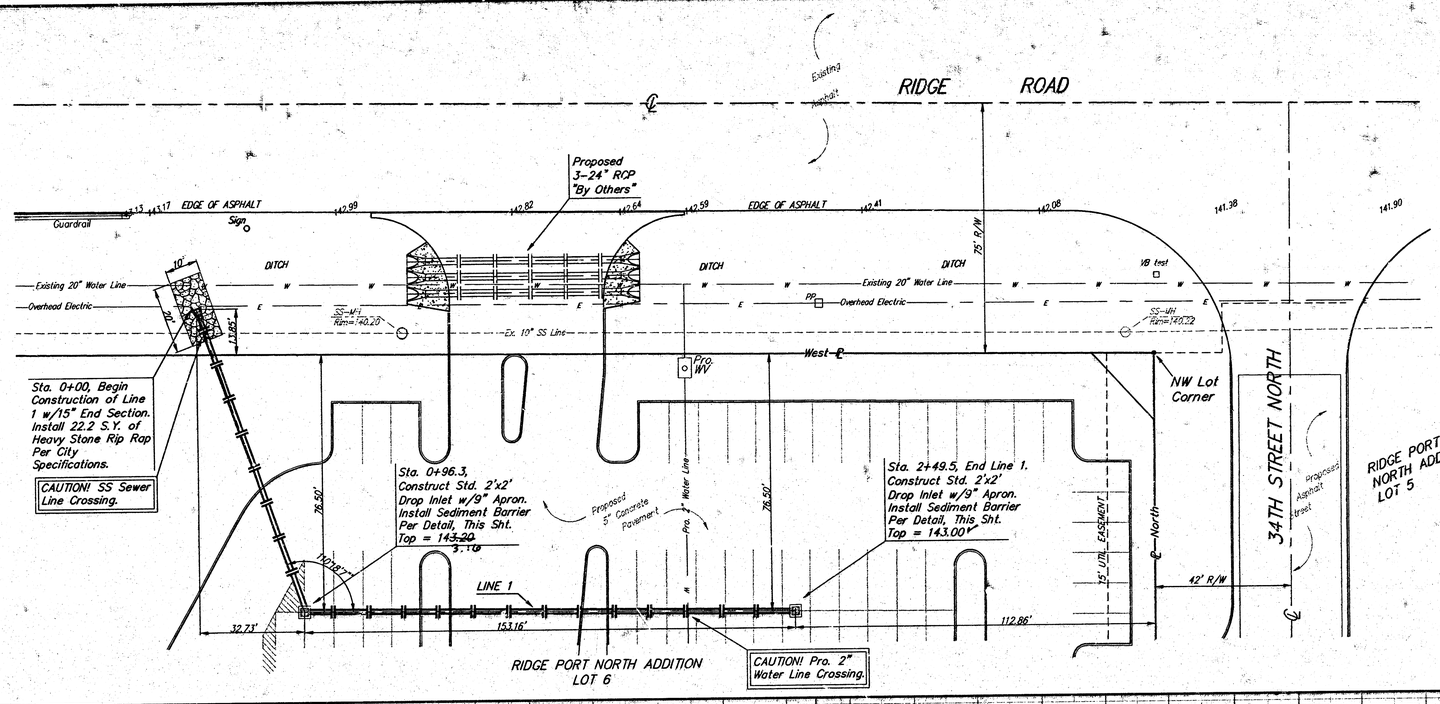
As Built 2/01 KK

N. BRENT WOOTEN
LICENSED
8470
12/20/00
KANSAS
PROFESSIONAL ENGINEER

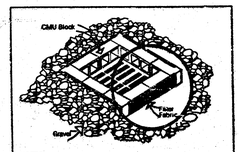
BAUGHMAN COMPANY P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

F:\ENG\HEARTH&HOME\SWSCOV.DWG

BENCHMARK:
CITY DISC – SW Corner Ridge Road & 29th Street North, 80.8' S. & 63.7' W. of Both Centerlines.
Elev.=139.15 City Datum



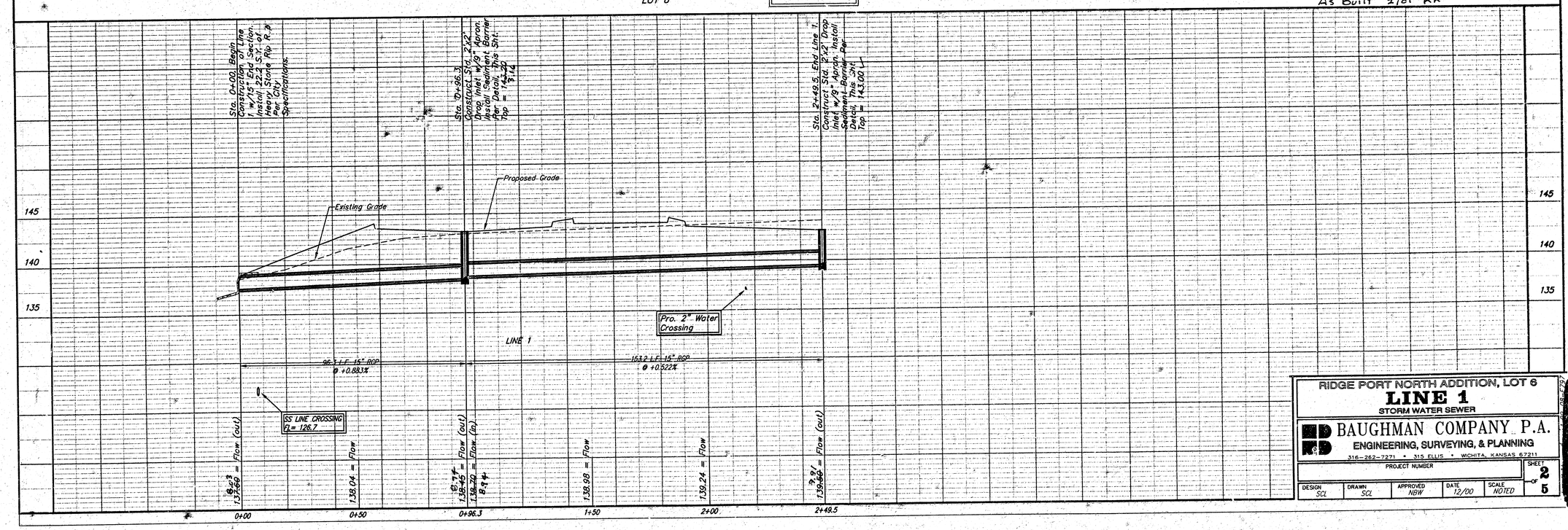
SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON



NOTES:
Frequent maintenance is required to minimize short-circuiting and to remove sediment deposits and buildup.
Wrap filter fabric around all CMU block and backfill with 2"-3" gravel rock to allow sediment deposits.
DO NOT cover inlet or grate with filter fabric.

INLET PROTECTION
Storm Drain with Gravel Apron

As Built 2/01 KK

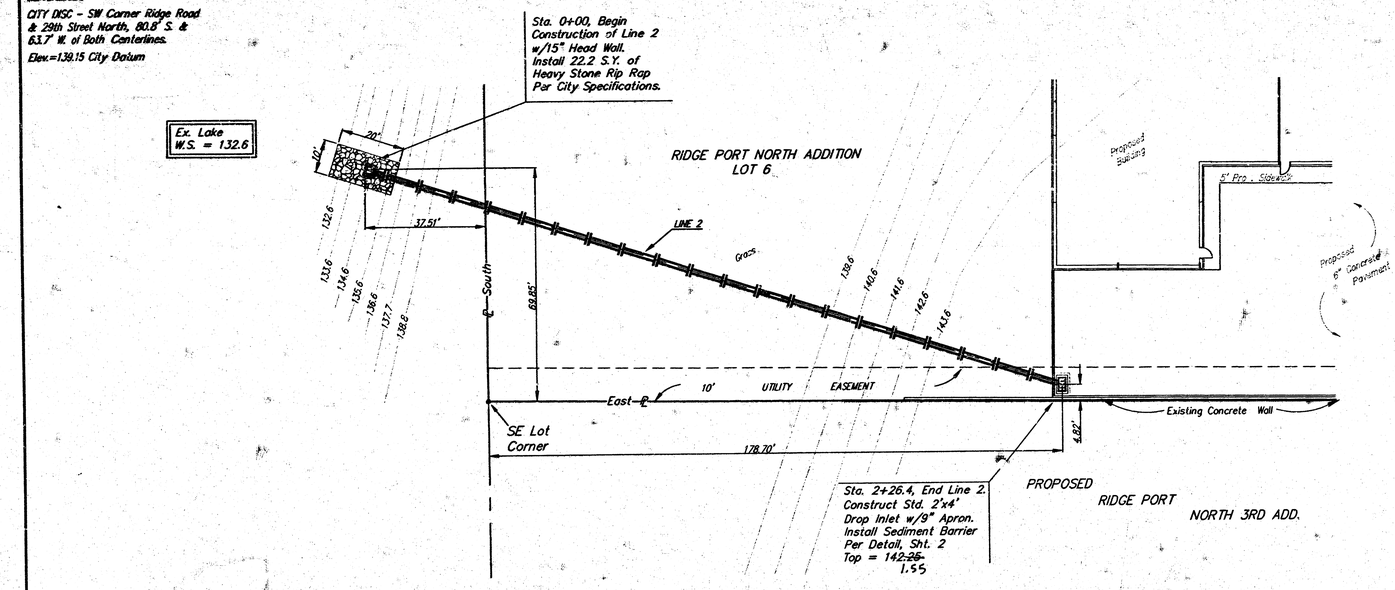


RIDGE PORT NORTH ADDITION, LOT 6
LINE 1
STORM WATER SEWER

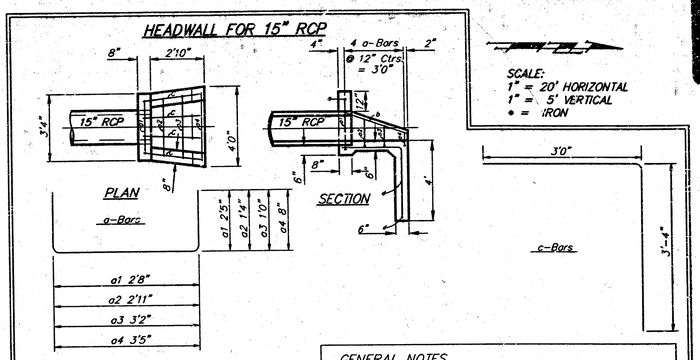
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PROJECT NUMBER					SHEET 2 OF 5
DESIGN SCL	DRAWN SCL	APPROVED NBW	DATE 12/00	SCALE NOTED	

BENCHMARK:
CITY DISC - SW Corner Ridge Road & 29th Street North, 80.8' S. & 63.7' W. of Both Centerlines.
Elev.=139.15 City Datum



HEADWALL FOR 15" RCP



SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL
• = IRON

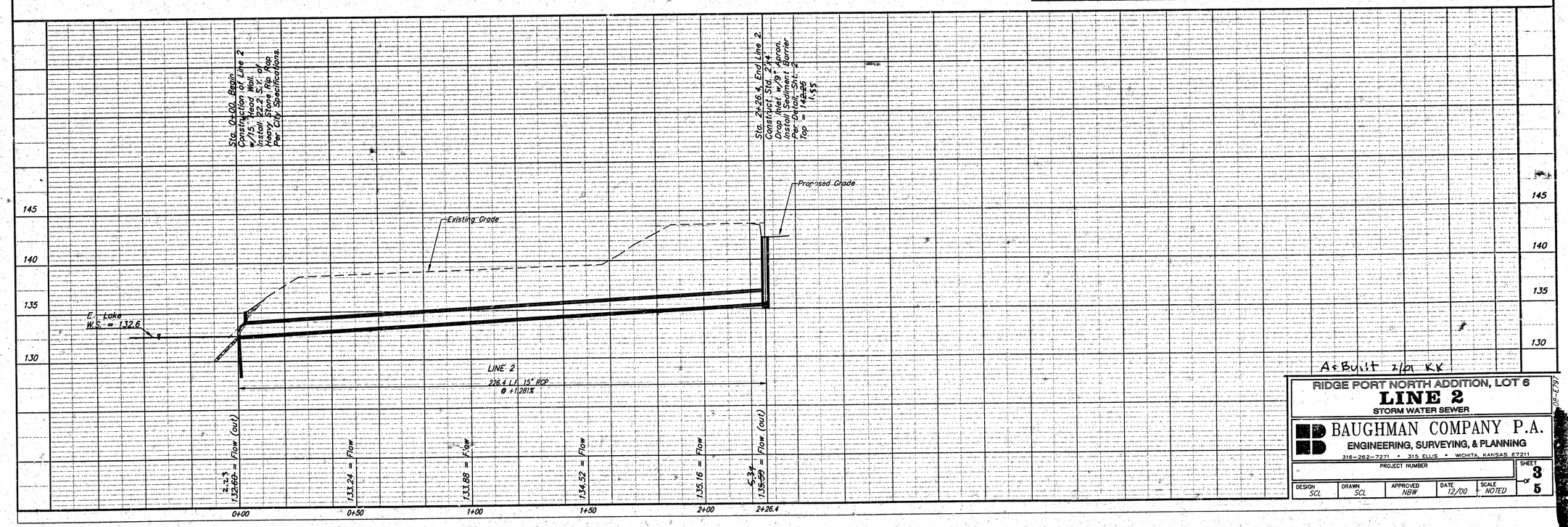
REBAR SCHEDULE

Bar	Shape	No.	Length	Weight
a1		1	7'6"	5.01
a2		1	5'7"	3.73
a3		1	5'2"	3.45
a4		1	4'9"	3.17
b		2	4'0"	5.34
c		4	5'6"	14.70
d		2	3'5"	2.28
e		1	2'8"	1.78
Total Rebar			39.46 Lbs.	
Concrete			0.67 C.Y.	

A Deduction in Concrete Quantities Has Been Made for Pipe Openings Through the Headwall
* Field Bend or Cut Reinforcing as Required for Clearance.
All Concrete Reinforcement to be #4 Rebar
All Rebar to Have Min. of 1 1/2" Conc. Cover

GENERAL NOTES

1. ALL PIPES SHALL BE FLUSH CUT PRIOR TO BEING CAST INTO CONCRETE HEADWALL.
2. CONCRETE USED IN HEADWALL CONSTRUCTION SHALL BE SAME AS PER CITY STANDARD PAVING MIX EXCEPT THAT IT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
3. ALL EXPOSED EDGES SHALL BE BEVELED 1/2".
4. REINFORCING STEEL SHALL COMPLY TO A.S.T.M. DESIGNATION A615 GRADE 60. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BAR UNLESS OTHERWISE NOTED.
5. THE "REIN. CONC. HEADWALL" SHALL BE PAID FOR AT THE UNIT PRICE BID PER EACH IN PLACE WHICH SHALL INCLUDE ALL LABOR, MATERIALS, EXCAVATION, CONCRETE, REINFORCING STEEL AND ALL OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK. MATERIAL QUANTITIES SHOWN ARE FOR INFORMATION ONLY.



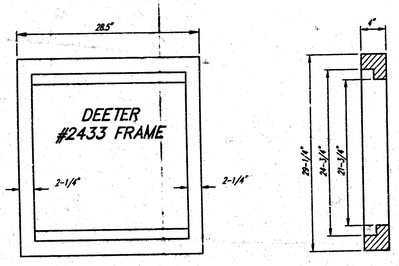
As Built 2/01 KK

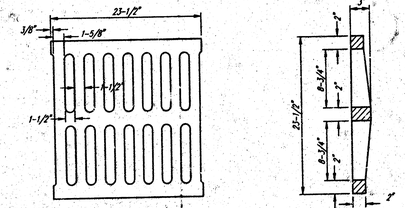
RIDGE PORT NORTH ADDITION, LOT 6
LINE 2
STORM WATER SEWER

DE-E197

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PROJECT NUMBER					SHEET
DESIGN SCL	DRAWN SCL	APPROVED NBW	DATE 12/00	SCALE NOTED	3 OF 5

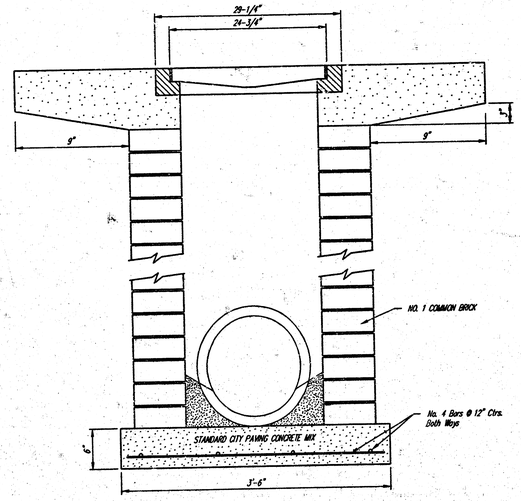


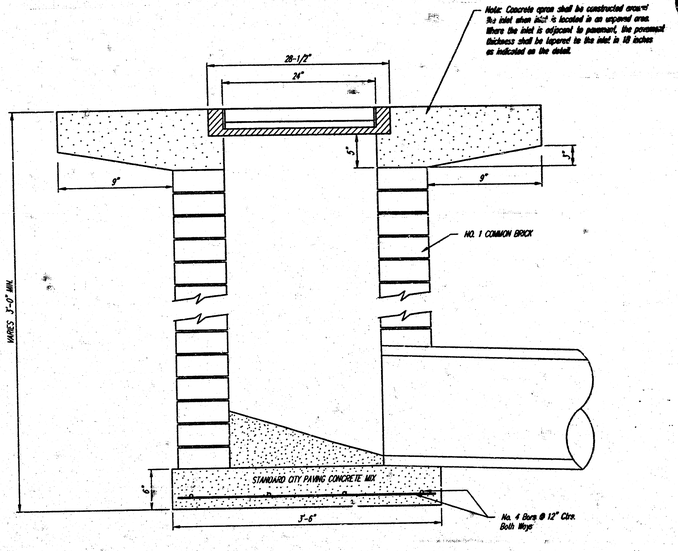


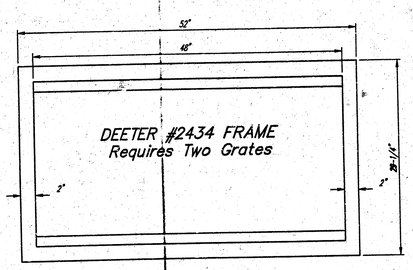
DEETER #2433 GRATE

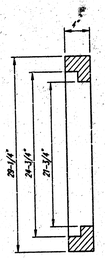
NOTE: Grates shall be imprinted on the top surface with "CITY OF WICHITA" using letters at least 1" in height. Other marking methods may be approved by the engineer.

24" x 24" Frame and Grade Detail

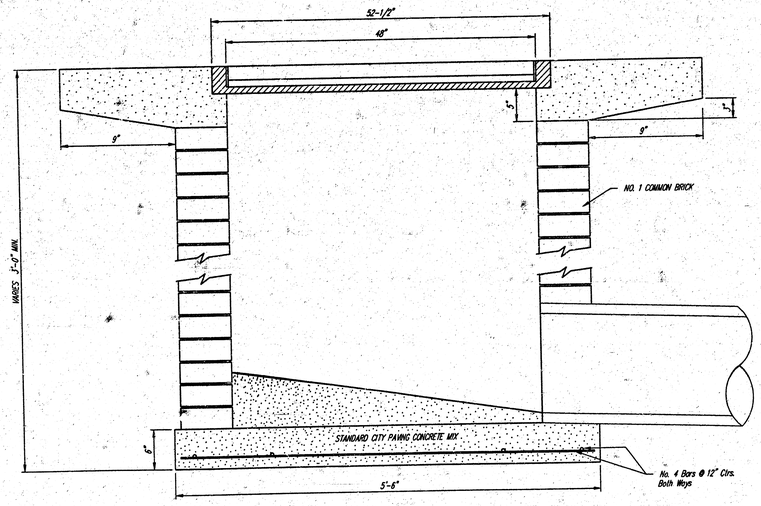








Double 24" x 24" Frame Detail



CITY OF WICHITA

STANDARD DROP INLET

RIDGE PORTH NORTH ADDITION, LOT 6

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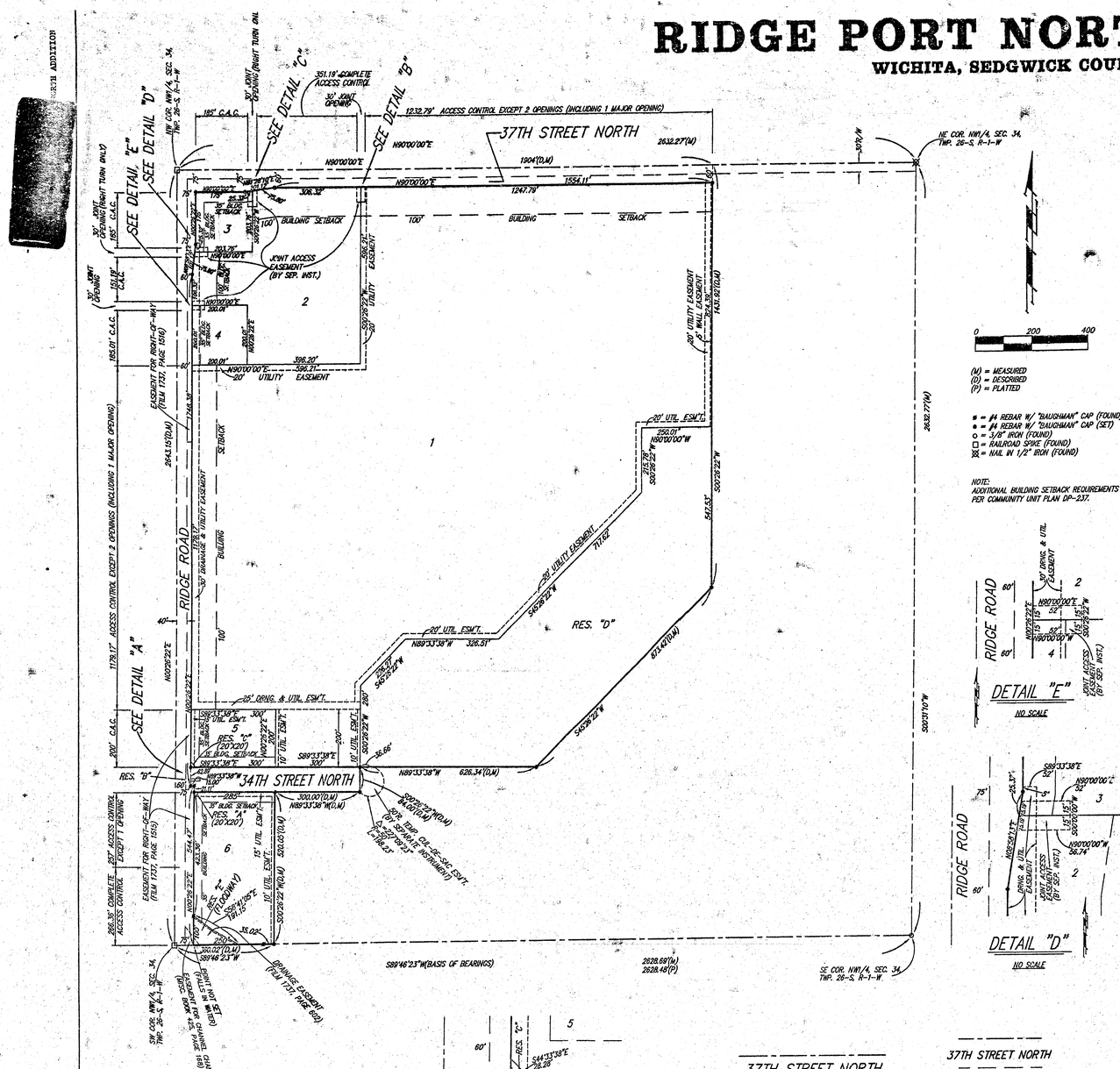
PROJECT NUMBER

SHEET 4 OF 5

DESIGN	DRAWN	APPROVED	DATE	SCALE
STAFF	STAFF		12/00	NONE

RIDGE PORT NORTH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS


SEE DETAIL "A"
SEE DETAIL "B"
SEE DETAIL "C"
SEE DETAIL "D"
SEE DETAIL "E"
37TH STREET NORTH
34TH STREET NORTH
RIDGE ROAD
RES. "A"
RES. "B"
RES. "C"
RES. "D"
RES. "E"
1
2
3
4
5
6
N90°00'00"E 2632.27'(M)
N90°00'00"E 1904'(D,M)
N90°00'00"E 1247.79'
N89°33'38"W 626.34'(D,M)
S89°46'23"W(BASIS OF BEARINGS) 2628.69'(M) 2628.48'(P)
NE COR. NW1/4, SEC. 34, TWP. 26-S, R-1-W
NW COR. NW1/4, SEC. 34, TWP. 26-S, R-1-W
SW COR. NW1/4, SEC. 34, TWP. 26-S, R-1-W
SE COR. NW1/4, SEC. 34, TWP. 26-S, R-1-W
2632.77'(M)
1431.92'(D,M)
1554.11'
1178.17' ACCESS CONTROL EXCEPT 2 OPENINGS (INCLUDING 1 MAJOR OPENING)
1232.79' ACCESS CONTROL EXCEPT 2 OPENINGS (INCLUDING 1 MAJOR OPENING)
351.19' COMPLETE ACCESS CONTROL
286.36' COMPLETE ACCESS CONTROL EXCEPT 1 OPENING
185' C.A.C.
195.01' C.A.C.
200' C.A.C.
30' JOINT OPENING
30' JOINT OPENING (RIGHT TURN ONLY)
100' BUILDING SETBACK
75' BLDG. SETBACK
50' BLDG. SETBACK
35' BLDG. SETBACK
20' UTILITY EASEMENT
15' UTIL. ESM'T.
10' UTIL. ESM'T.
25' DRNG. & UTIL. ESM'T.
30' DRAINAGE & UTILITY EASEMENT
EASEMENT FOR RIGHT-OF-WAY (FILM 1737, PAGE 1916)
JOINT ACCESS EASEMENT (BY SEP. INST.)
DRAINAGE EASEMENT (FILM 1737, PAGE 908)
80' TEMP. CUL-DE-SAC ESM'T.
(S 37°07'03" E L=106.23')
(N 37°07'03" W L=106.23')
(R=80.00')
(Δ=76°05'52")
S45°26'22"W 873.42'
S00°26'22"W 671.42'(D,M)
S00°26'22"W 547.53'
S00°26'22"W 520.05'
S00°26'22"W 396.21'
S00°26'22"W 360.02'(D,M)
S00°26'22"W 343.15'(D,M)
S00°26'22"W 215.78'
S00°26'22"W 220.01'(D,M)
S00°26'22"W 220.00'
S00°26'22"W 200.01'
S00°26'22"W 200.00'
S00°26'22"W 198.66'
S00°26'22"W 196.20'
S00°26'22"W 195.78'
S00°26'22"W 195.60'
S00°26'22"W 195.59'
S00°26'22"W 195.58'
S00°26'22"W 195.57'
S00°26'22"W 195.56'
S00°26'22"W 195.55'
S00°26'22"W 195.54'
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S00°26'22"W 195.50'
S00°26'22"W 195.49'
S00°26'22"W 195.48'
S00°26'22"W 195.47'
S00°26'22"W 195.46'
S00°26'22"W 195.45'
S00°26'22"W 195.44'
S00°26'22"W 195.43'
S00°26'22"W 195.42'
S00°26'22"W 195.41'
S00°26'22"W