STORM WATER SEWER IMPROVEMENTS
FOR
WEST WICHITA FAMILY PHYSICIANS
LOCATED AT 8200 W. CENTRAL
LOT 1, TYLER ACRES SIXTH ADDITION
WICHITA, KANSAS
CITY OF WICHITA PRIV. PROJ. NO. 1055 PPS(607861)
MIKE LINDEBAK, P.E., CITY ENGINEER
SEPTEMBER 2000

GENERAL NOTES:

1. ALL ELEVATIONS SHOWN ARE BASED ON CITY OF WICHITA DATUM(MEAN SEA LEVEL ELEV.-1187.4=CITY DATUM).

2. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT(48)HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE CALL	687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

CABLEVISION	262-4270 OR 263-2061
KG&E-GAS	263-7511
KG&E-ELECTRIC	264-1141
PEOPLES NATURAL GAS	942-8811
SOUTHWESTERN BELL TELEPHONE	1-571-2611
CITY OF WICHITA WATER DEPARTMENT	268-4908

THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 24 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS AND/OR ADJACENT TO PIPELINES.

3. THE 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.

4. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS/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.

5. 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.

6. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.

7. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED, EXCEPT WHEN SUCH SAW CUTS ARE WITHIN THREE(3)FEET OF AN EXISTING JOINT. THE LIMITS OR REMOVAL SHALL BE EXTENDED TO THE EXISTING JOINT. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.

8. PAVEMENT REMOVAL AND/OR REPLACEMENT WILL BE MEASURED AND PAID FOR ON THE LINEAL FOOT BASIS AS MEASURED ALONG THE CENTERLINE OF THE WATER LINE REGARDLESS OF WIDTH, PAVEMENT TYPE AND/OR PAVEMENT THICKNESS. MINIMUM LIMITS OF SUCH PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ONE FOOT BEYOND THE LIMITS OF THE EXCAVATION MADE FOR THE WATER LINE OR THE STRUCTURE, EXCEPT WHEN SUCH SAW CUTS ARE WITHIN THREE(3) FEET OF AN EXISTING JOINT, THE LIMITS OF REMOVAL SHALL BE EXTENDED TO THE EXISTING JOINT. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL BE CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.

9. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA SHALL NOT SE CARRIED THROUGH CONSTRUCTION. LOCAL RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA SHALL BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.

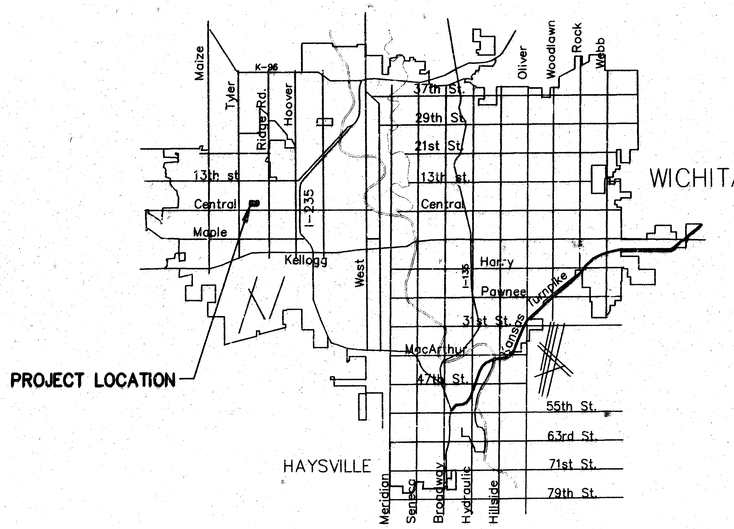
10. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

11. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS, THAT IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.

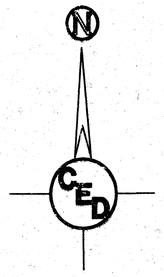
ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOODPLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STAES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILE BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

12. PROPERTIES WITHIN THE PROJECT LIMITS MAY HAVE UNDERGROUND SPRINKLER SYSTEMS IN THE PUBLIC RIGHT-OF-WAY WHICH CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REMOVE SUCH IMPROVEMENTS SHOULD THEY NOT BE REMOVED BY THEIR OWNER AT THE TIME OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SALVAGE ALL SPRINKLER HEADS AND/OR VALVES AND GIVE SUCH MATERIAL TO THEIR OWNER. PORTIONS OF UNDERGROUND SPRINKLER SYSTEMS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH UNDERGOUND SPRINKLER SYSTEMS SHALL BE CONSIDERED AS SUBSIDIARY TO THE CONTRACT PAY ITEMS OF WORK.

13. THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BIDDING AND BE SATISFIED AS TO THE WORK SHOWN FOR COMPLETION. AFTER BIDS HAVE BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR OF THE NATURE FOR THE WORK TO BE COMPLETED.



LOCATION MAP



NO SCALE

INDEX OF SHEETS

1. Title Sheet & General Notes
2. Site Plan
3. Plan/Profile
4. Plan/Profile
5. Inlet Details

BOOKED 4-5-01 D-504 MCG

BENCHMARK:
City of Wichita Benchmark disc- 52' North and 24' West of centerlines of Central & Woodchuck. Elev = 154.05(City of Wichita Datum)

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers URH 10/23/00
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTOR

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 THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

HORIZONTAL CONTROL TABLE

CP #1	N-5000.00 E-5000.00	SW Corner of Lot 1, Tyler Acres Sixth Addition
CP #2	N-5000.00 E-5463.19	SW Corner of Lot 2, Tyler Acres Sixth Addition

PROJECT LOCATED IN SW. 1/4 of Sec. 16, T27S, R1W, WICHITA, SEDGWICK COUNTY, KANSAS

HARLAN DALE FURAKER LICENSED 10891 KANSAS PROFESSIONAL ENGINEER
10-23-2000

C.O.W. PROJ. NO.: 1055 PPS(607861)

CERTIFIED ENGINEERING DESIGN
CED
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH: (316) 262-8808
FAX: (316) 262-1669

SHEET 1
TOTAL 5

As-Built 2-9-2001 HOF

GRAPHIC SCALE
30 0 15 30 60
(IN FEET)
1 inch = 30 ft.

1"=30'

Proposed F.F.E.=154.50
For Future M.O.B.

New Bldg. Sign

SWS-CURB INLET TOP 154.98 FL 146.78

SWS-CURB INLET TOP 153.88 FL 146.58

SWS 36" RCP

SWS MH NO.1

SWS 42" RCP

SWS-MH TOP 154.09 FL 147.83

PROPOSED SWS NO.4 84.00 L.F. 24" RCP

PROPOSED SWS NO.1 114.70 L.F. 24" RCP

PROPOSED SWS NO.2 143.94 L.F. 24" RCP

SWS INLET NO.3

SWS INLET NO.4

NOTE: THIS SWS NOT CONSTRUCTED AT THIS TIME.

SWS INLET NO.1

163 STALLS

PROPOSED SWS NO.3 85.30 L.F. 18" RCP

SWS INLET NO.2

This leg of 15" SWS & inlet to be removed.

PROPOSED SWS NO.5 205.35 L.F. 18" RCP

SWS-AREA INLET TOP 151.62 FL 148.56

SWS INLET NO.5

SOCORA

NEW M.O.B.
12,920 SF
F.F.E.=154.17

24" Tree

18" Tree

Tree

W.W.F.P.
F.F.E.=153.50

NEW FIRE HYDRANT

SS MH

Private or public sewer easement assumed to exist but not shown.

Relocated Transformer

Existing Drop Inlet

EXG. BUILDING

LEGEND

= Tree		= Proposed drainage	
= Catv box		= Power pole	
= Fire hydrant		= Sign	
= Gas meter	SS	= San. sewer manhole	
= Guy anchor	S	= Storm sewer manhole	
= Guy pole		= Telephone riser	
= Existing light pole		= Water meter	
= Mailbox		= Water valve	

HORIZONTAL CONTROL TABLE

CP #1	N-5000.00 E-5000.00	SW Corner of Lot 1, Tyler Acres Sixth Addition
CP #2	N-5000.00 E-5463.19	SW Corner of Lot 2, Tyler Acres Sixth Addition

BENCHMARK:
City of Wichita Benchmark disc- 52' North and 24' West of centerlines of Central & Woodchuck. Elev = 154.05(City of Wichita Datum)

UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.

WEST WICHITA FAMILY PHYSICIANS
SWS SITE PLAN
8200 W. CENTRAL, WICHITA, KS
PROJ. NO.: 2000623

CERTIFIED ENGINEERING DESIGN
CED
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HDF	SCALE: 1"=30'	SHEET 2
DRAWN: CKW	DATE: 10/2000	
CHECKED: HDF	CED FILE: wwfp_Site.dwg	TOTAL 5

AS-BUILT 2-9-2001 HDF

UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.

HORIZONTAL CONTROL TABLE

CP #1	N-5000.00 E-5000.00	SW Corner of Lot 1, Tyler Acres Sixth Addition
CP #2	N-5000.00 E-5463.19	SW Corner of Lot 2, Tyler Acres Sixth Addition

NOTE: THIS SWS NOT CONSTRUCTED AT THIS TIME. PLANNED FOR FUTURE CONSTRUCTION BUT NOT CONSTRUCTED AS OF 2-9-2001

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

1" = 20'

EYE CLINIC OF WICHITA

SWS NO. 1, STA. 0+00.00
CONSTRUCT 4' DIA. MH 1
OVER EXIST. 36" RCP.
SEAL NEW 24" RCP TO MH
WALL WITH QUICKSET
HYDRAULIC CEMENT.
TOP ELEV. 153.31
145.54 FL IN 36"(E)
145.44 FL OUT 36"(W)
145.75 FL IN 24" (S)
N 5584.78
E 5100.09

INSTALL 114.70 L.F.
24" RCP @ 0.20%

SWS NO. 1, STA. 1+14.70
CONSTRUCT STD. 2'x4'
DROP INLET NO. 1
TOP ELEV. 150.04
SEAL NEW 24" & 18" RCP
TO INLET WALL WITH
QUICKSET HYDRAULIC
CEMENT.
146.31 FL IN 18"(S)
146.51 FL OUT 24"(N)
N 5470.08
E 5100.09

INSTALL 85.50 L.F.
18" RCP @ 0.30%

SWS NO. 2, STA. 2+00.20
CONSTRUCT STD. 2'x4'
DROP INLET NO. 2
TOP ELEV. 149.03
SEAL NEW 18" RCP TO
INLET WALL WITH QUICKSET
HYDRAULIC CEMENT.
146.87 FL OUT 18"(N)
N 5364.58
E 5100.09

EXISTING SWS 36" RCP

165 STALLS

RIDGE LINE

Exist. Sidewalk

W.W.F.P.

LEGEND
- = Tree
- = Existing light pole
- (S) = Storm sewer manhole

BENCHMARK:
City of Wichita Benchmark disc- 52' North and 24' West of centerlines of Central & Woodchuck. Elev = 154.05(City of Wichita Datum)

PROPOSED MH
STA. 0+00, SWS NO. 1
TOP ELEV. 153.31

DROP INLET NO. 1
STA. 1+14.70, SWS NO. 1
TOP ELEV. 150.04

DROP INLET NO. 2
STA. 2+00.20, SWS NO. 1
TOP ELEV. 149.03

FINISH GRADE

FINISH GRADE

114.70 L.F. 24" RCP @0.20%

85.50 L.F. 18" RCP @0.30%

145.53 FL OUT 36"(W)
145.75 FL IN 24"(S)

145.97 FL OUT 24"(N)
146.31 FL IN 18"(S)

146.55 FL OUT 18"(N)

160 155 150 145 140 135 130

0+00 1+00 2+00 3+00

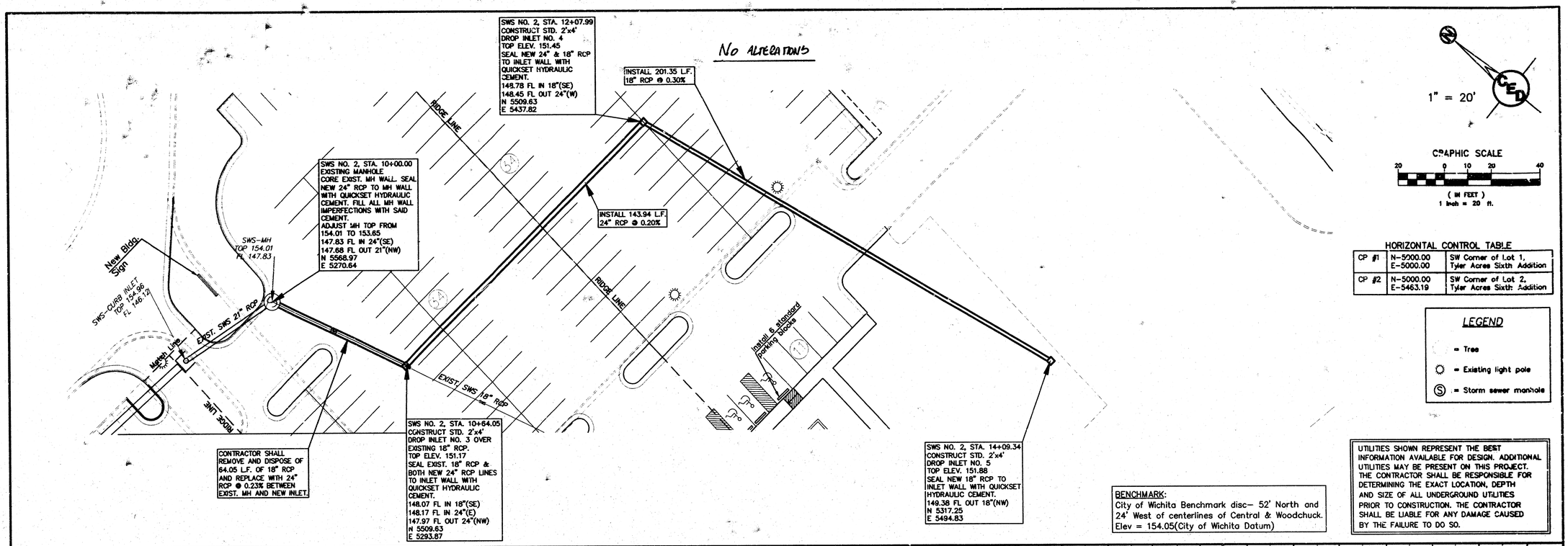
160 155 150 145 140 135

STORM WATER SEWER PLANS FOR
WEST WICHITA FAMILY PHYSICIANS
8200 W. CENTRAL, WICHITA, KANSAS
PROJ. NO.: 2000623

CERTIFIED ENGINEERING DESIGN
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HDF	SCALE: 1"=20'	SHEET 3
DRAWN: CKW	DATE: 10/2000	
CHECKED: HDF	CED FILE: WWFP_pp1.dwg	TOTAL 5

AS-BUILT 2-9-2001 HDF

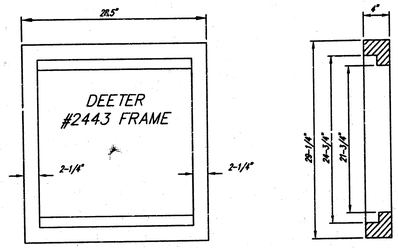


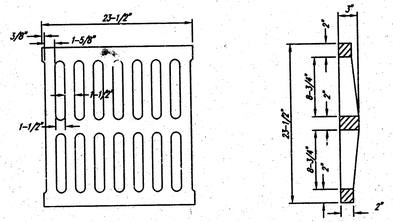
STORM WATER SEWER PLANS FOR
WEST WICHITA FAMILY PHYSICIANS
8200 W. CENTRAL, WICHITA, KANSAS
PROJ. NO.: 2000623

CERTIFIED ENGINEERING DESIGN
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HDF	SCALE: 1"=20'	SHEET 4
DRAWN: CKW	DATE: 10/2000	
CHECKED: HDF	CED FILE: WWFP_pp1.dwg	TOTAL 5

As-Built 2-9-2001 HDF

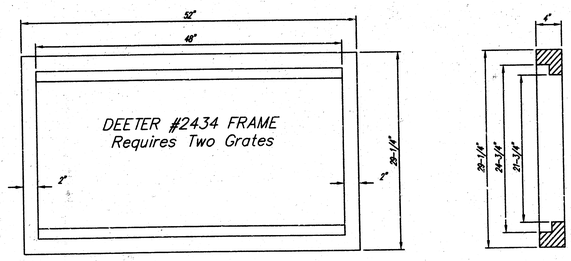




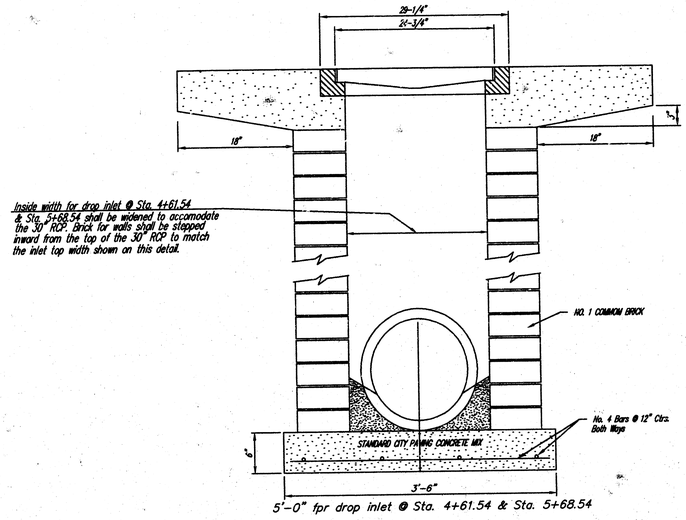
DEETER #2433 GRATE

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.

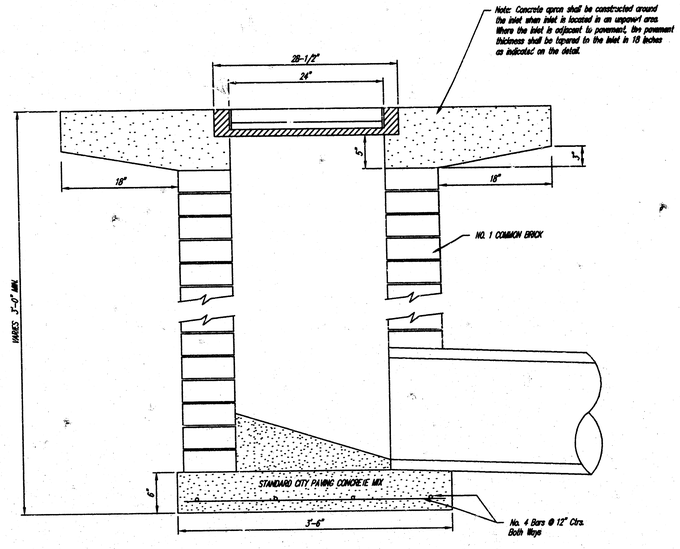
24" x 24" Frame and Grate Detail

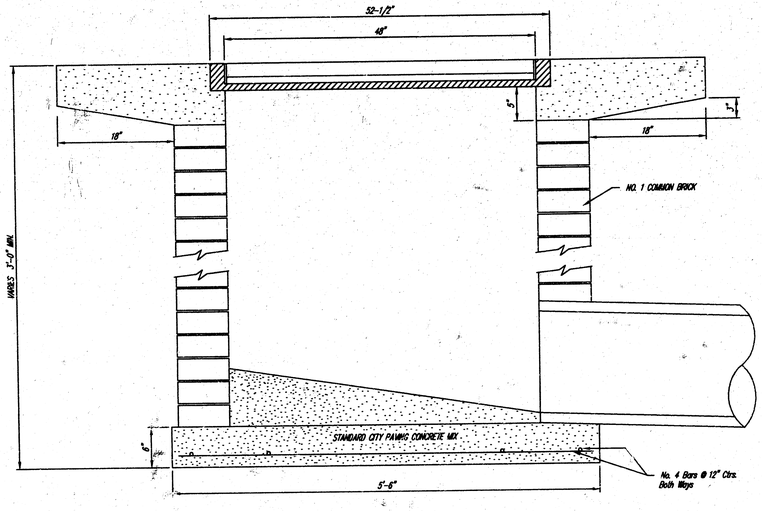


Double 24" x 24" Frame Detail



5'-0" fpr drop inlet @ Sta. 4+61.54 & Sta. 5+68.54





AREA INLET DETAILS

WEST WICHITA FAMILY PHYSICIANS

8200 W. CENTRAL

CED PROJ. NO.: 2000623

CERTIFIED ENGINEERING DESIGN

CED
438 NORTH OHIO
WICHITA, KANSAS 67214
PH. (316)262-8808 FAX (316)262-0080

DESIGNED: HDF	SCALE: NTS	SHEET 5
DRAWN: CKW	DATE: 8/2000	
CHECKED: HDF	CED FILE: areainlet.dwg	TOTAL 5

AS-BUILT 2-9-2001 HDF

RECEIVED
03 04 13