CITY OF WICHITA, KANSAS

STORM WATER SEWER NO. 183

(RIVER OAKS ADDITION)

R. W. BRUGGEMAN - DIRECTOR OF ENGINEERING/CITY ENGINEER

PROJECT NO. 468-76-245-80926-000-000-001

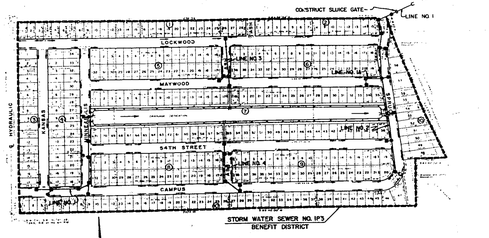
BENCH MARKS

B.M. - City bench mark disc 44"N. x .8075 of Hydraulic and 53rd St. So. Elev. = 7.5.57

B.M. - Chiz "D" N.E. Cor. S.I.G. Conc. Structure 400 ± N. of South line plat. Elev. = 77.44

B.M. - R.R. Spike in 1st N.L.P. S. of NW Cor. River Oaks Addition, E. Side Hydraulic Ave. Elev. = 78.06

B.M. - 5"x5" tapered conc. post w/3/4" rebar at NE Cor. River Oaks Addition (on top rebar) Elev. = 78.31



SCALE 1" = 200'

LEGEND

- BENEFIT DISTRICT BOUNDARY
- DRAINAGE FLOW DIRECTION
- PROPOSED INLET
- PROPOSED MANHOLE

NOTE

All excess excavated material from the project shall be wasted on site. No material shall be placed within street right-of-way. The Contractor is advised to contact the property owners engineer, ph. 263-1107, for information pertaining to the waste area locations. The Owner will furnish a site grading plan showing the planned disposition of the excess material. All work and labor necessary to haul, dump, and machine level the material to the elevations shown on the site grading plan shall be considered subsidiary to the bid item "Excavation."

JANUARY, 1981

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY. THE CONTRACTOR SHALL BE REQUIRED TO PAY FOR ANY PROPERTY DAMAGE WHICH HAS BEEN DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH ITEMS SHALL INCLUDE, BUT NOT BE LIMITED TO, FENCES, SUPPORTING OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

NOTE

Top of Type 1A Curb Inlet elevations assigned for Standard Curb & Gutter. Since the curb and gutter to be constructed on the street project is to be roll type, a broad C.B. Detail from the elevations shown.

INDEX OF SHEETS

1.	TITLE SHEET
2 - 9	PLAN & PROFILE - LINE NO. 1
10.	PLAN & PROFILE - LINE NO. 1A
11.	PLAN & PROFILE - LINE NO. 2
12.	PLAN & PROFILE - LINE NO. 3
13.	PLAN & PROFILE - LINE NO. 4
14.	SIPHON CROSSINGS & MISC. DETAILS
15.	SLUICE GATE STRUCTURE DETAILS
16.	TYPE 3 CONCRETE HEADWALL W/F.A.P. GATE
17.	TYPE 1 & 2 CONCRETE HEADWALL
18.	~~BITUMINOUS PAVEMENT~~ DELETED
19.	DETAIL STANDARD TYPE 1A CURB INLET
20.	DETAIL PRE-CAST TYPE 1A INLET
21.	STANDARD DETAILS REINFORCED CONCRETE MANHOLES
22-23	CHANNEL CROSS SECTIONS

GENERAL NOTES

CONTRACTOR SHALL COORDINATE WORK WITH PAVING AND SANITARY SEWER CONTRACTORS; AND CONTACT RELEVANT UTILITY COMPANIES AND OTHER AGENCIES INVOLVED WITH THIS PROJECT SITE DEVELOPMENT.

~~THE CONTRACTOR SHALL NOTIFY THE ENGINEER WELL IN ADVANCE OF BEGINNING ANY WORK SO THAT THE ENGINEER MAY HAVE TIME TO TAKE FIELD NOTES ALL DRAINS AND INLETS IN THE PROJECT AREA BEFORE CONSTRUCTION BEGINS. FIELD ENGINEER SHALL REPLACE ALL SUCH DRAINS AND INLETS DISTURBED DURING CONSTRUCTION.~~

THE TOPS OF INLETS AND MANHOLES AS NOTED ON THE PLANS MAY VARY TO AS TO MELT PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PORTIONS D BETS.

ALL METAL PIPES SHALL BE HELICOLLY CORRUGATED PIPE, AND SHALL BE SPIRO-FLOW PIPES FOR SIZES 24" DIAMETER OR LARGER. ALL REINFORCED CONCRETE PIPES SHALL BE FAIRLY UNIFORMLY CONSTRUCTED USING BOARDS TYPE COUPLER OR EQUAL.

ALL CONCRETE SHALL BE "6-SACK CONCRETE" UNLESS OTHERWISE NOTED.

THE REPRAP FOR THIS PROJECT SHALL BE TYPE 3. THE TYPE 3 REPRAP SHALL BE 12" ~~DEEP AND WIDE AS SHOWN ON THE PLANS.~~ THE ROCK FOR REPRAP AND GRAVEL PROTECTION SHALL BE HARD, FLINTY, DURABLE, AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OF ROCK SIZE SHALL BE A MAXIMUM OF ONE CUBIC FOOT AND A MINIMUM OF 1 1/2". ~~ONE OF THE ROCKS IN EACH SQUARE YARD SHALL WEIGH 100 POUNDS OR MORE.~~ THE CONTRACTOR SHALL PROVIDE SUFFICIENT ROCK, REGARDLESS OF SIZE, TO ~~PROVIDE A COVERING OF 12" DEEP ON SIDES.~~

CONTRACTOR SHALL AVOID UNDERMINING EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNDERMINING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPT. ENGINEER.

THE CONTRACTOR SHALL HAVE THE OPTION TO INSTALL PRE-CAST INLETS IN LIEU OF BRICK CURB INLETS FOR TYPE 1A CURB INLETS.

EXCESS TRENCH MATERIALS SHALL BE WASTED ~~WITHIN~~ ON THE SITE ~~AND PROPERLY~~. SEE ~~DISTRIBUTED~~. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

THE CONTRACTOR HAS THE OPTION TO INCREASE THE SIZE OF OPENING IN TOP OF REINFORCED CONCRETE MANHOLES AND USING STANDARD RING & COVER DETAILS THAN WITH FLANGE RING.

No.	Revision	By	Date

CITY OF WICHITA, KANSAS

TITLE SHEET

STORM WATER SEWER NO. 183

PROJ. NO. 468-76-245-80926-000-000-001

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

WICHITA, KANSAS

Designed by DCCLAR | Job No. 80063 | Sheet No. 1 of 1

Drawn by DCC | Date/Date 1/80

FILMED FROM THE BEST AVAILABLE COPY....