RIVER DEVELOPMENT - WEST BANK

DOUGLAS AVENUE TO LEWIS STREET

prepared for

BOARD OF PARK COMMISSIONERS

WICHITA, KANSAS

INDEX

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Final Plans

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Ltr of Approval from C-B-E 4/20/71

Seal to Tulsa C-B-E 3-31-71

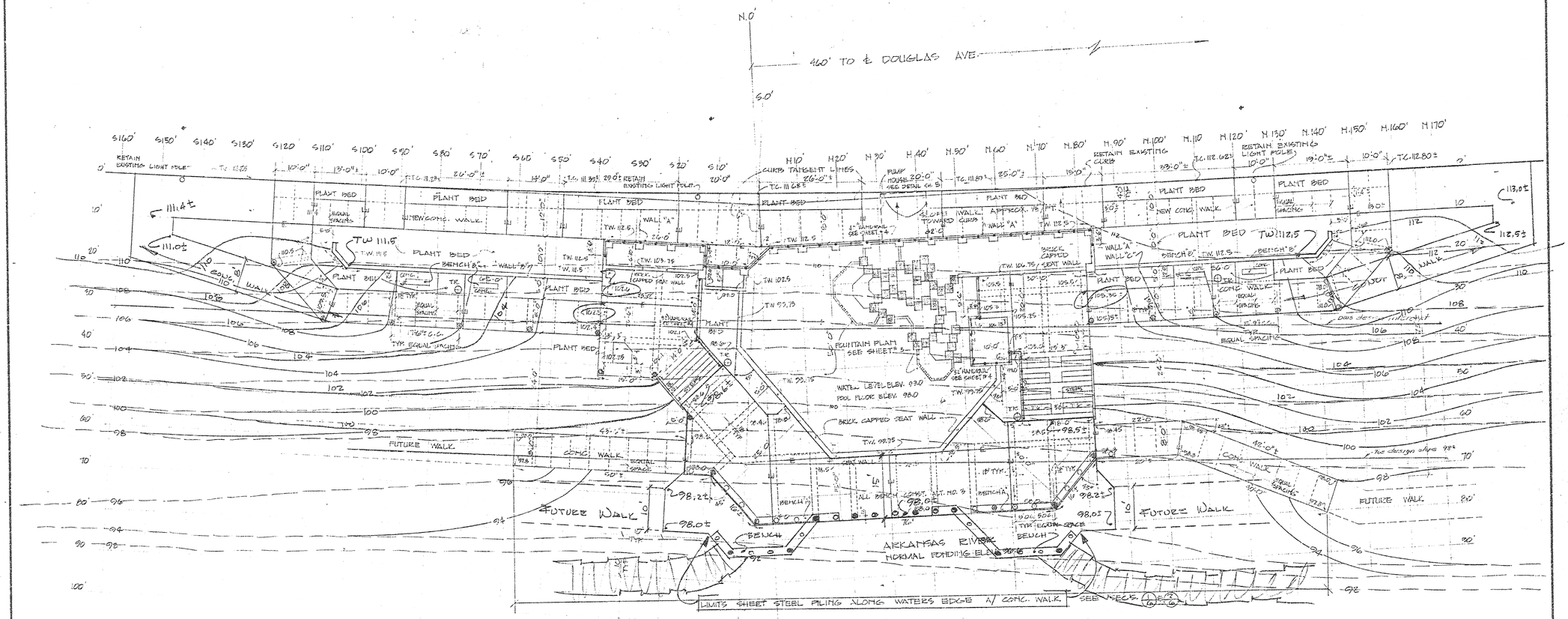
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structural engineers
KANSAS CITY · MISSOURI

FASNACHT and ASSOCIATES
consulting engineers
KANSAS CITY · MISSOURI

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sheet 1 OF 12

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LEGEND

EXISTING CONTOURS & SPOT ELEVATIONS — 102 — + 102.5

PROPOSED CONTOURS & SPOT ELEVATIONS — 102 — + 102.5

CONCRETE EXPANSION JOINTS — E —

CONCRETE CONTRACTION JOINTS - - - - - -

CONCRETE PYLONS — LIGHTED, UNLIGHTED, T.R.

TRASH RECEPTACLES (ALTERNATE #4)

NORTH

PROPOSED REVISION 1-15-71

NOTES

1 - LOCATIONS OF ALL PHYSICAL FEATURES AND ALL DIMENSIONS, ELEVATIONS AND GRADES SHALL BE FIELD CHECKED AND VERIFIED AND ADJUSTED IN FIELD AS REQUIRED TO CONFORM WITH ACTUAL SITE CONDITIONS ALL TO THE SATISFACTION AND APPROVAL OF THE OWNER'S REPRESENTATIVE.

2 - ALL EXISTING TREES AND PLANT MATERIAL SHALL BE RETAINED EXCEPT THE TREES AND PLANT MATERIAL OCCURRING WITHIN THE DIRECT LIMITS OF CONSTRUCTION, SHALL BE REMOVED, AND OTHERS AS MAY BE DESIGNATED AND AUTHORIZED BY THE OWNER'S REPRESENTATIVE FOR REMOVAL WITHIN THE PROJECT AREA.

3 - ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS WHICH ARE NOT TO BE PAVED OR OTHERWISE COVERED SHALL BE SPRIGGED FOR NEW LAWN IN ACCORDANCE WITH SPECIFICATIONS.

4 - TOPOGRAPHIC SURVEY FROM CITY-COUNTY FLOOD CONTROL OFFICE MAP, WICHITA, KANSAS, SE 1/4, SEC 20, T-27-S, R-1-E, DATED 6-13-68, REVISED 7-25-69.

BENCH MARK: USGS STANDARD TABLET 100 FEET NORTH AND 20 FEET EAST OF DOUGLAS AND McLEAN.
ELEVATION: 1303.59 USGS DATUM
116.19 CITY DATUM

BENCH MARK: USGS STANDARD TABLET, S.E. CORNER BRIDGE AT DOUGLAS AND ARKANSAS RIVER.
ELEVATION: 1303.29 USGS DATUM
115.89 CITY DATUM

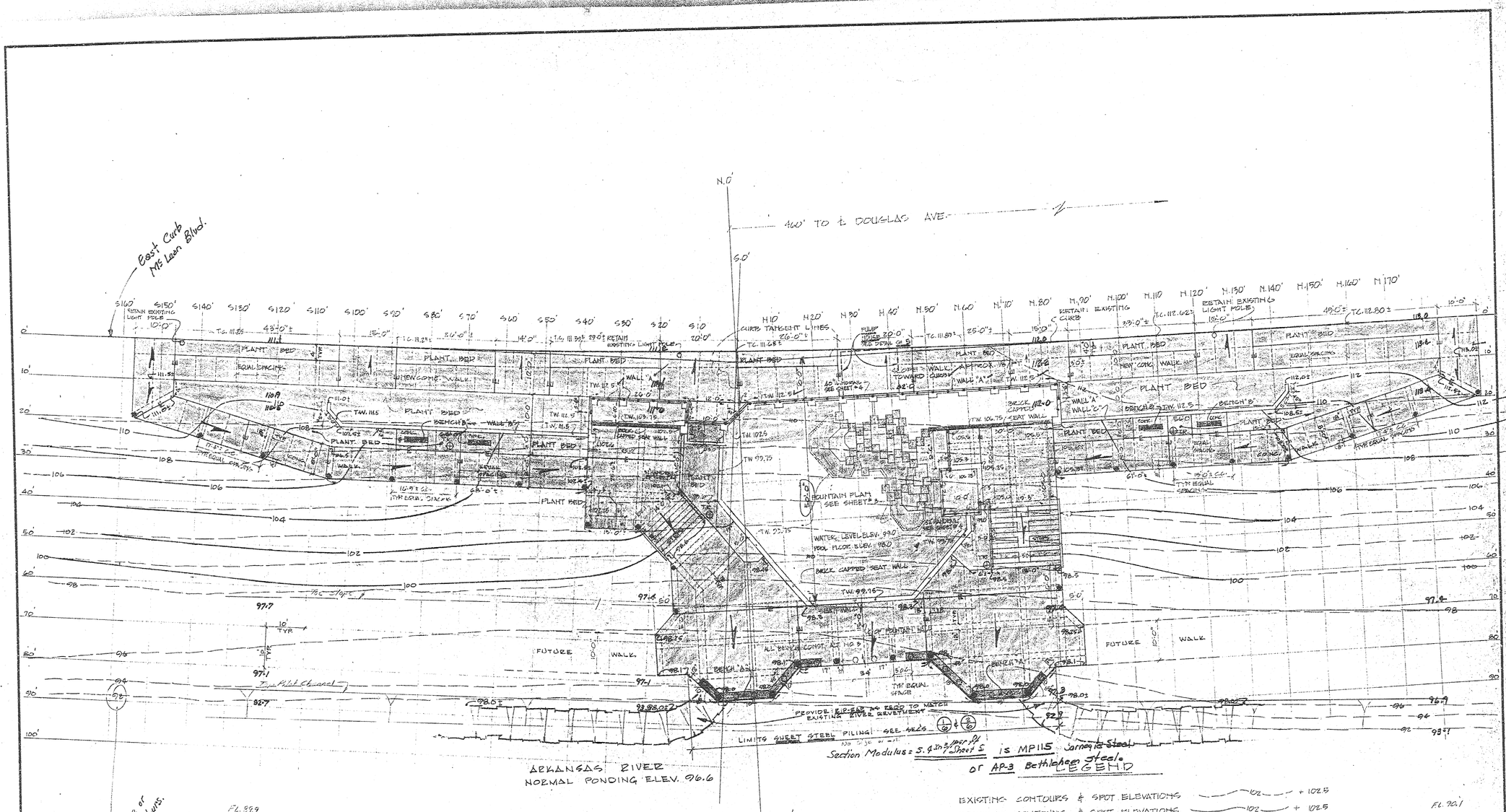
ALL CONTOURS AND ELEVATIONS SHOWN ON THESE CONTRACT DRAWINGS ARE CITY DATUM.

SITE PLAN PLAZA AREA
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
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scale 1" = 10'
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11-5-70
11-12-70
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116.19 CITY DATUM
destroyed hit by car

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ALL CONTOURS AND ELEVATIONS SHOWN ON THESE CONTRACT DRAWINGS ARE CITY DATUM.

LEGEND

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CONCRETE EXPANSION JOINTS — E —
CONCRETE CONTRACTION JOINTS
CONCRETE PYLONS
TRASH RECEPTACLES (ALTERNATE #4)
LIGHTED
UNLIGHTED
T.R.

Matches sheet Approved 1-15-71

SITE PLAN PLAZA AREA
RIVER DEVELOPMENT WEST BANK
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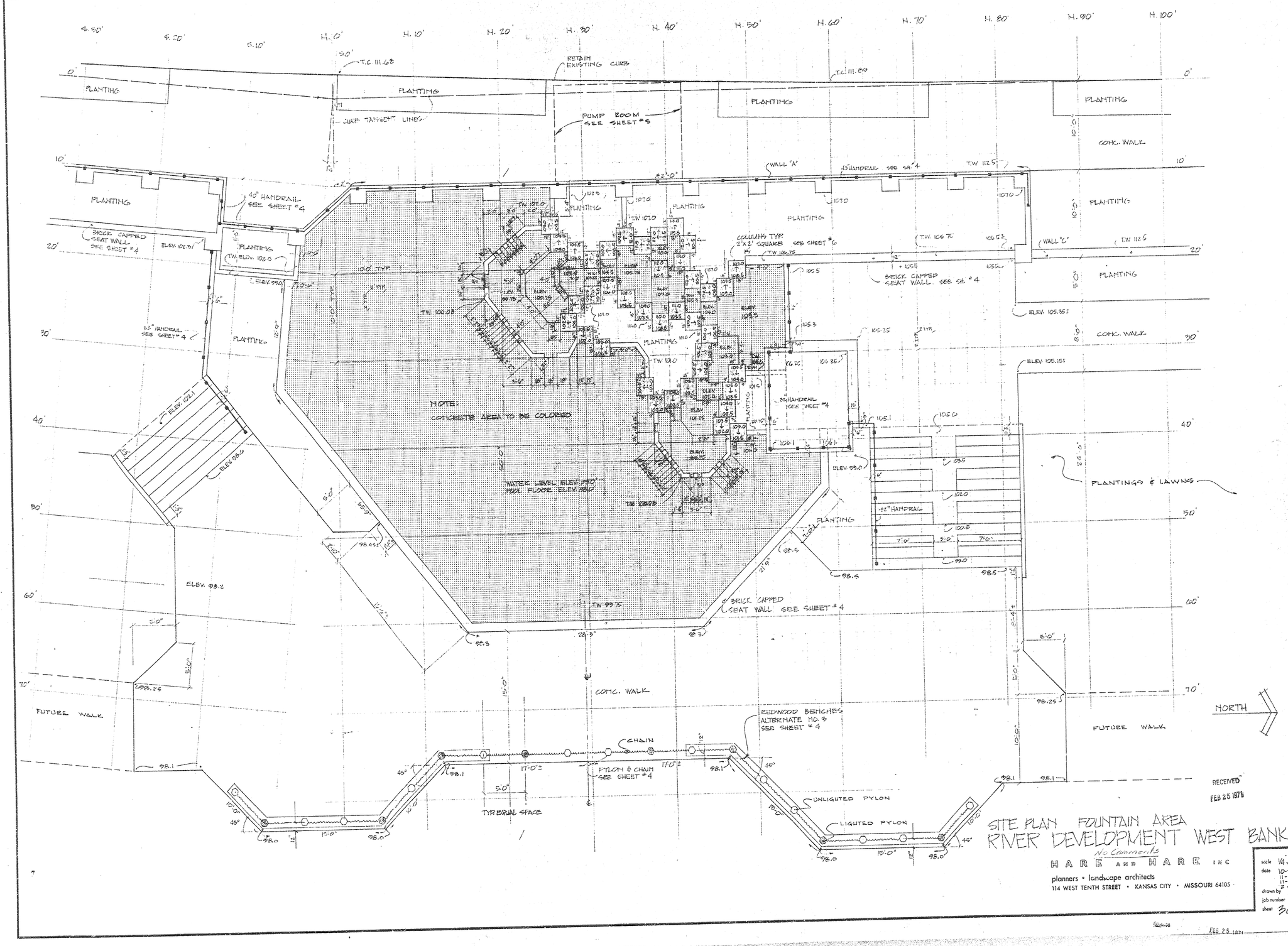
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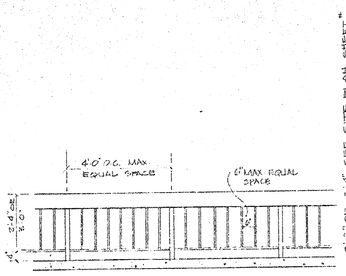
SITE PLAN FOUNTAIN AREA RIVER DEVELOPMENT WEST BANK

No Comments

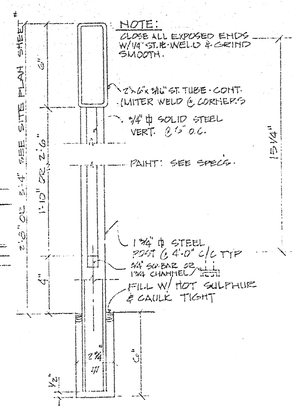
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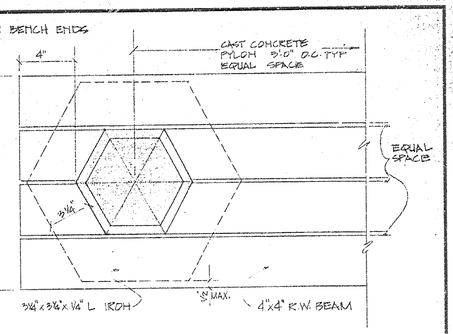
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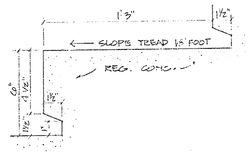
TYPICAL HANDRAIL ELEVATION
SCALE 1/2"=1'-0"



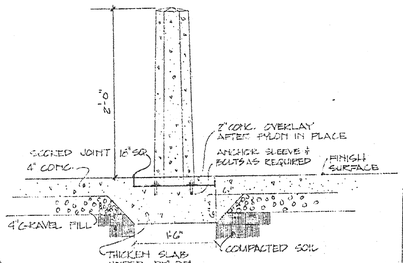
HANDRAIL SECTION
SCALE 3"=1'-0"



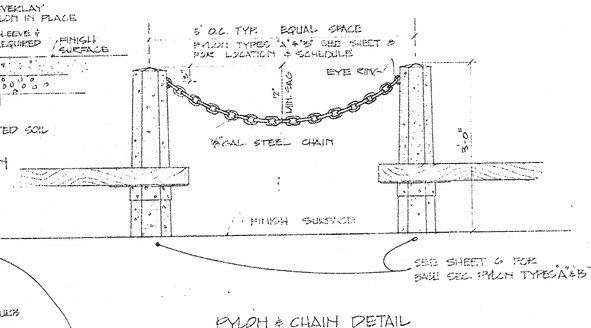
PYLON and BENCH "A" PLAN
SCALE 3"=1'-0"



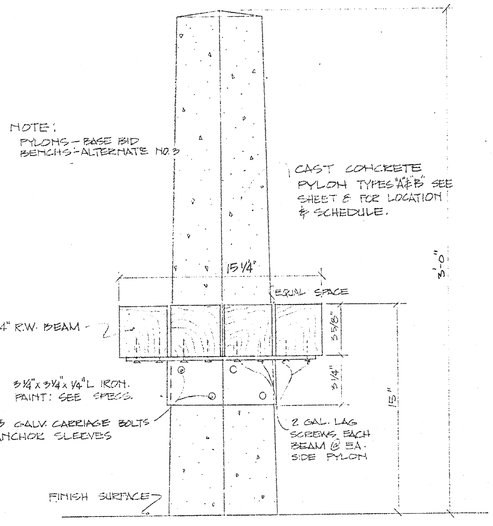
TYPICAL STAIR TREAD
NO SCALE



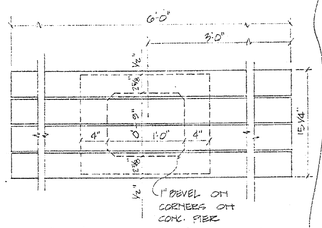
TYPICAL BASE SECTION
PYLON TYPE "C"
SCALE 1"=1'-0"



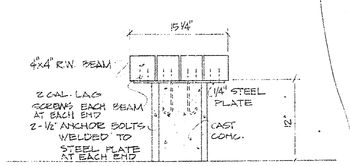
PYLON & CHAIN DETAIL
SCALE 1"=1'-0"



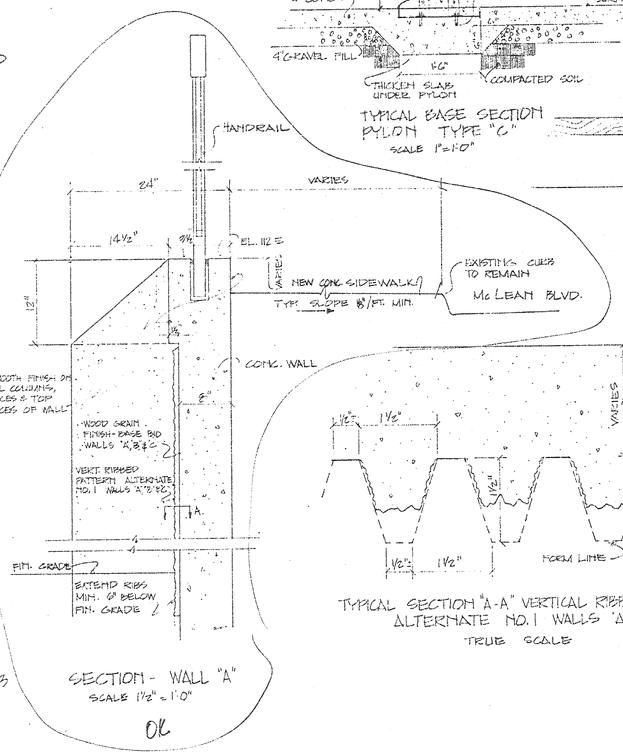
PYLON and BENCH "A" SECTION
SCALE 3"=1'-0"



PLAN - BENCH "B" ALTERNATE NO. 3



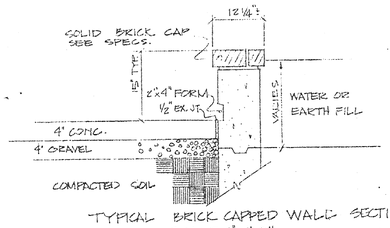
SECTION - BENCH "B" ALTERNATE NO. 3
SCALE 1 1/2"=1'-0"



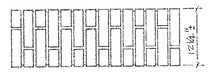
SECTION - WALL "A"
SCALE 1 1/2" = 1'-0"

OK

TYPICAL SECTION "A-A" VERTICAL RIBBED PATTERN
ALTERNATE NO. 1 WALLS "A", "B", & "C"
TRUE SCALE



TYPICAL BRICK CAPPED WALL SECTION
SCALE 1"=1'-0"



BRICK CAP PLAN
SCALE 1"=1'-0"

CONSTRUCTION DETAILS
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

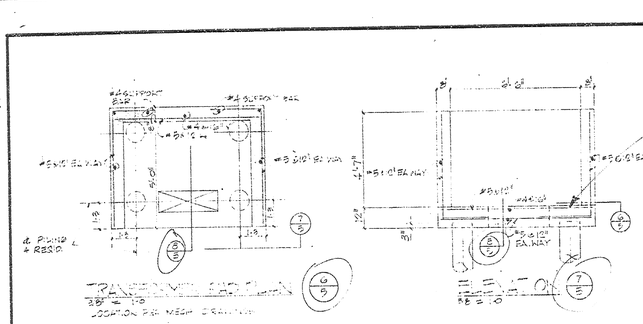
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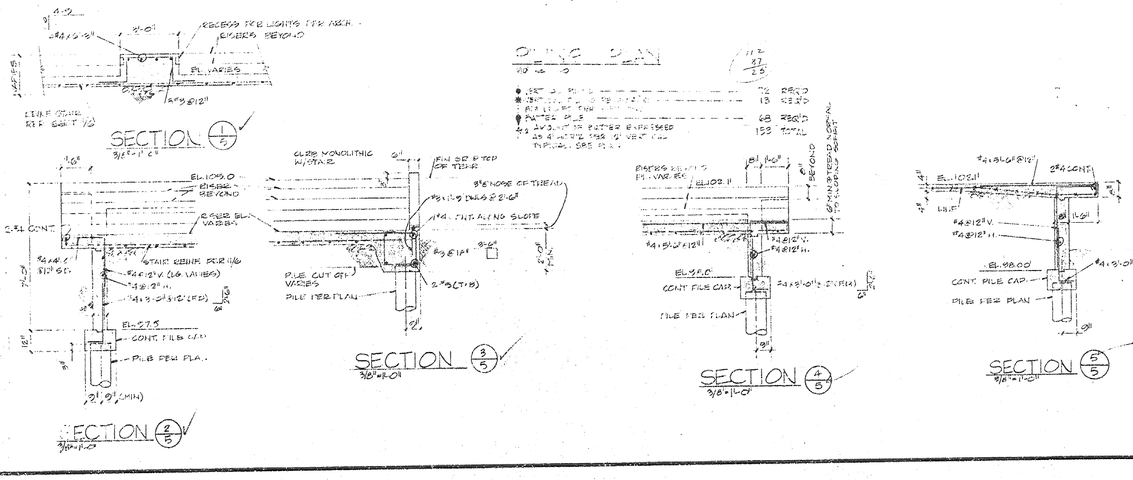
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GENERAL NOTES (STRUCTURAL)

1. All concrete shall develop a minimum strength of 4,000 psi, in 28 days, but not less than 650 pounds of cement shall be used per cubic yard of concrete, regardless of strengths obtained, nor over 5 1/2 gallons of water per 100 pounds of cement and not over 4 inches of slump.
2. All reinforcing steel shall be A-615, grade 60 steel except stirrups or ties which shall be grade 40 steel.
3. Standard coverage of bars unless otherwise noted shall be:
   - 3 inches ---------- Where dirt formed
   - 3/4 inch ---------- Slabs
   - 1 1/2 inches ---------- Beams or Columns
   - 2 inches ---------- Other

   All coverage shall be nominal bar diameter minimum.
4. Bars marked continuous and all vertical steel shall be lapped 30 diameters at splices and embedments. Unless shown otherwise splice top bars near midspan and splice bottom bars over supports.
5. At corners of all walls and grade beams, supply corner bars 4'-0" long (2'-0" in each direction) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply three (3) #4 vertical support bars for corner bars.
6. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Refer to ACI 318-63 for any details not shown.
7. All slabs and stairs not shown otherwise shall be 5" thick with #4 bars @ 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars @ 12" o.c. each way minimum. Porches shall be dowelled to adjacent walls or grade beams with #4 bars @ 12" o.c. hooked or embedded 30 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.
8. Accessories shall be as specified in latest edition of CONCRETE REINFORCING STEEL INSTITUTE HANDBOOK. Maximum accessory spacing shall be 4'-0" o.c.
9. Construction joints in dirt formed slabs to be as shown on plans. Where not shown, limit controlled areas to not more than 500 square feet and not greater than 30 feet on any side.
10. At all holes in concrete walls and slabs, add 2 #5 bars (opening dimension plus 60 diameters long) at each of 4 sides and add 2 #5 x 5'-0" diagonally at each of 4 corners of holes. In 3" wall openings reinforce similar, but 1 #5 instead of 2 #5 respectively.
11. Allow 1 ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions (labor for placing same to be included).
12. See Architectural and Mechanical drawings for embedded items not shown herein and to verify size and location of all openings. Before executing anything herein shown, the contractor shall examine actual job conditions and report to the engineer any error, omission or difficulty affecting the work.
13. No aluminum conduits shall be embedded in any concrete.
14. These drawings are for this specific project and no other use is authorized.



FOUNDATION NOTES

1. Footings are designed to bear on natural sandy materials capable of safely sustaining 1,000 psf or a network of friction piling consisting of both vertical and batter piles as shown on the plans.
2. For estimating purposes all piling shall have a minimum butt diameter of 12" and shall penetrate 30 feet into natural soils below the pile cap or foundation mat.
3. Modifications will be made to the length of piles as dictated by the load tests and an adjustment made for greater or lesser lengths in accordance with the unit prices set forth in the specifications.
4. Foundations are designed for a pile capacity of 20 tons; e.g., a pile capable of supporting 20 tons (40 kips) with a factor of safety of 2.
5. The capability of the piles and length requirements will be verified by two load tests as outlined in the specifications. Tests shall not be performed on adjacent piling.
6. Piles shall all be the same and may be any of the following types:
   (a) Augered cast-in-place pressure grout pile reinforced with 1 #9 extending full length of pile.
   (b) Thin shell, mandrel driven, concrete filled corrugated pipe pile.
7. Protect existing streets, utilities, etc. during excavation by adequate sheeting and shoring as required.

BOB D. CAMPBELL LICENSED PROFESSIONAL ENGINEER 3441 KANSAS

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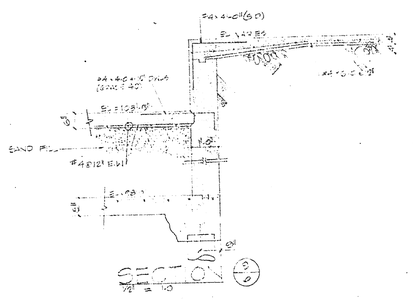
PILING PLAN

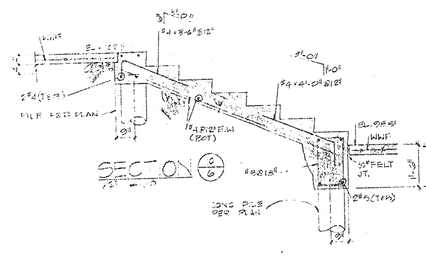
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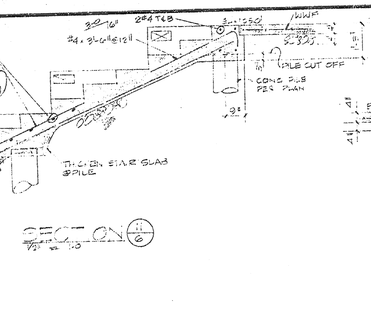
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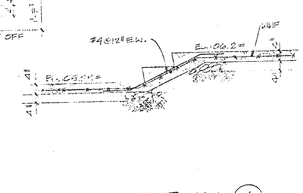
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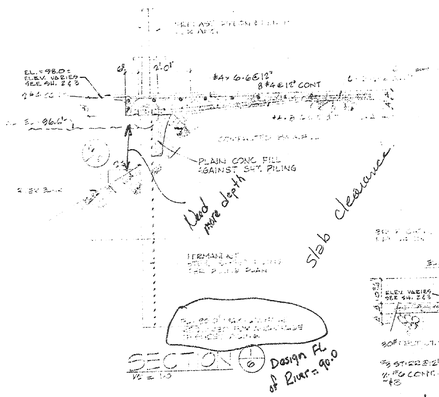


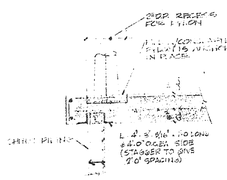


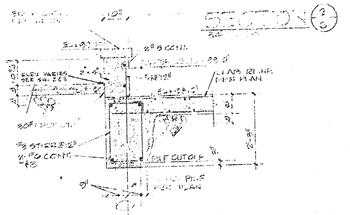


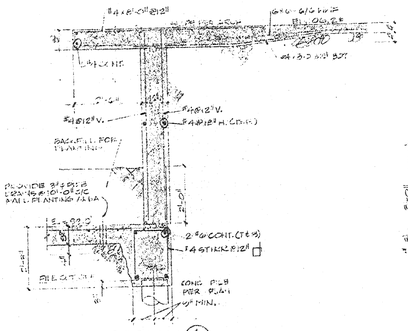
NOTE: SEE ARCH. SITE PLAN FOR COMPLETE LAYOUT & DIMENSION

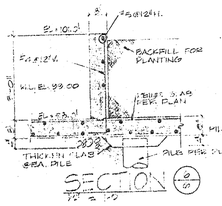
FOUNDATION PLAN
1/2" = 1'-0"

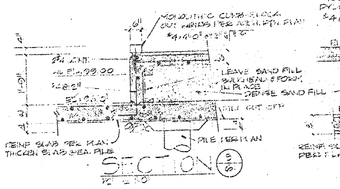


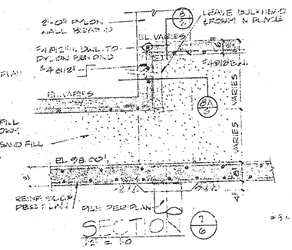


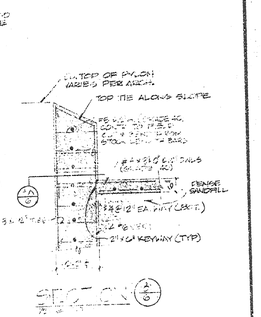












FOUNDATION PLAN AND DETAILS

RIVER DEVELOPMENT WEST BANK

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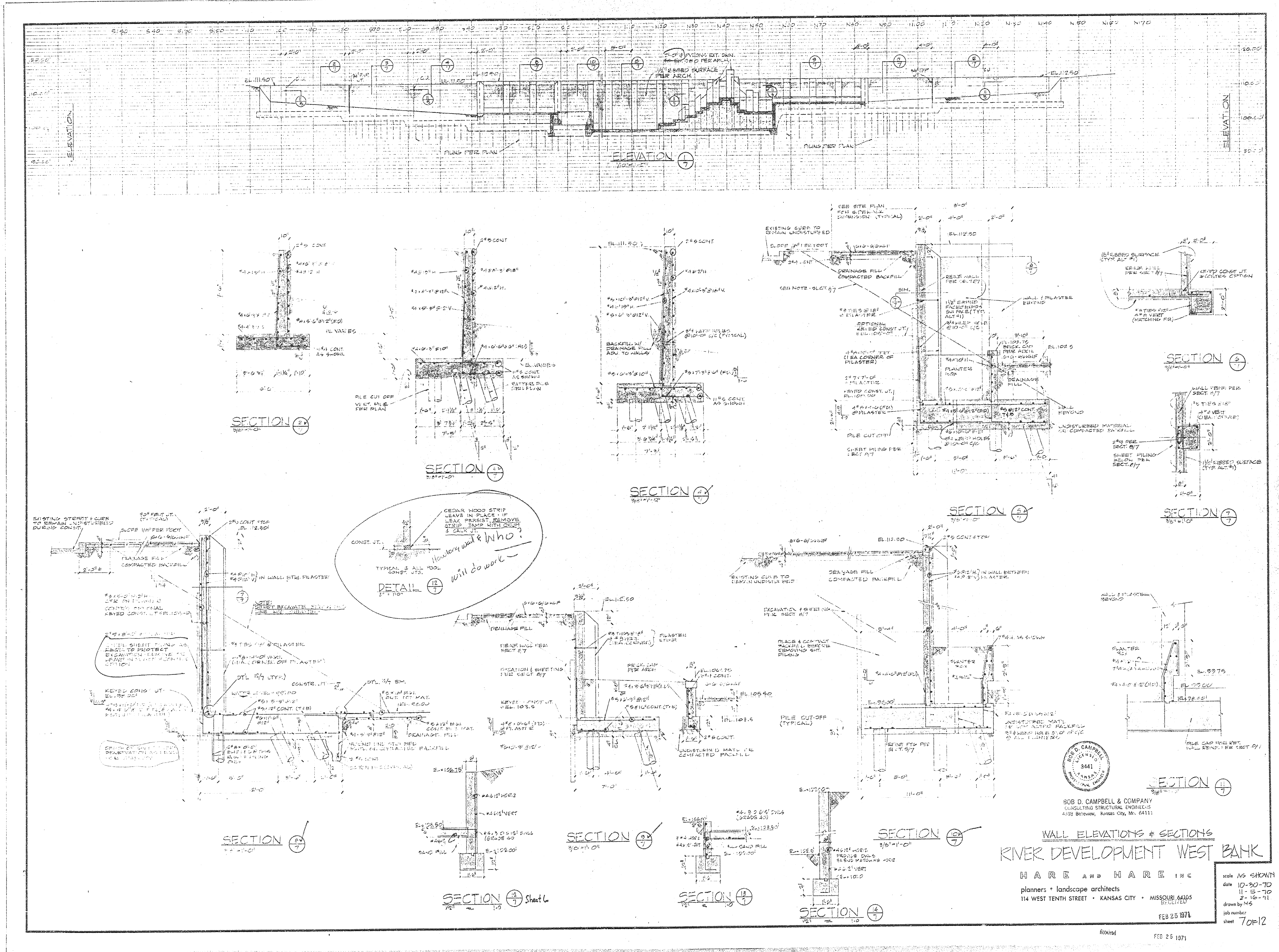
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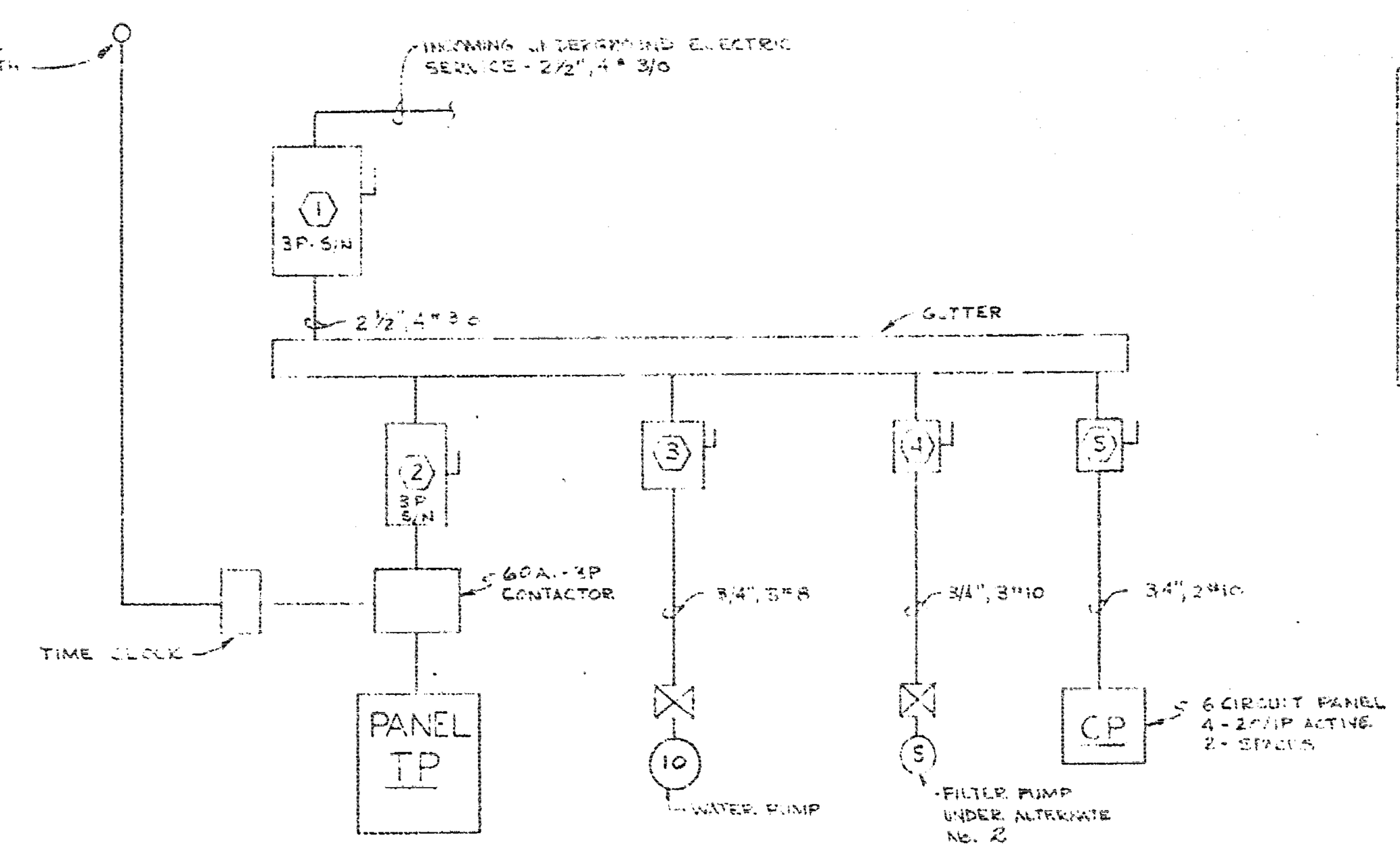
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ELEVATION 1/7
ELEVATION
PILING PER PLAN
1 1/2" RIBBED SURFACE PER ARCH.
SECTION 2/7
SECTION 3/7
SECTION 4/7
SECTION 5/7
SECTION 6/7
SECTION 7/7
SECTION 8/7
SECTION 9/7
SECTION 10/7
SECTION 11/7
SECTION 12/7 Sheet 6
SECTION 13/7
SECTION 14/7
DETAIL 12/7
CEDAR WOOD STRIP LEAVE IN PLACE - IF LEAK PERSIST, REMOVE STRIP, TAMP WITH OKUM & CALK JT.
How long wait & Who?
will do work
PILE CUT-OFF (TYPICAL)
BOB D. CAMPBELL LICENSED 3441 KANSAS PROFESSIONAL ENGINEER
BOB D. CAMPBELL & COMPANY
CONSULTING STRUCTURAL ENGINEERS
4338 Belleview, Kansas City, Mo. 64111
WALL ELEVATIONS & SECTIONS
RIVER DEVELOPMENT WEST BANK
HARE AND HARE INC
planners • landscape architects
114 WEST TENTH STREET • KANSAS CITY • MISSOURI 64105
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ELECTRICAL RISER DIAGRAM
SCHEMATIC ~ NO SCALE

SAFETY SWITCH SCHEDULE

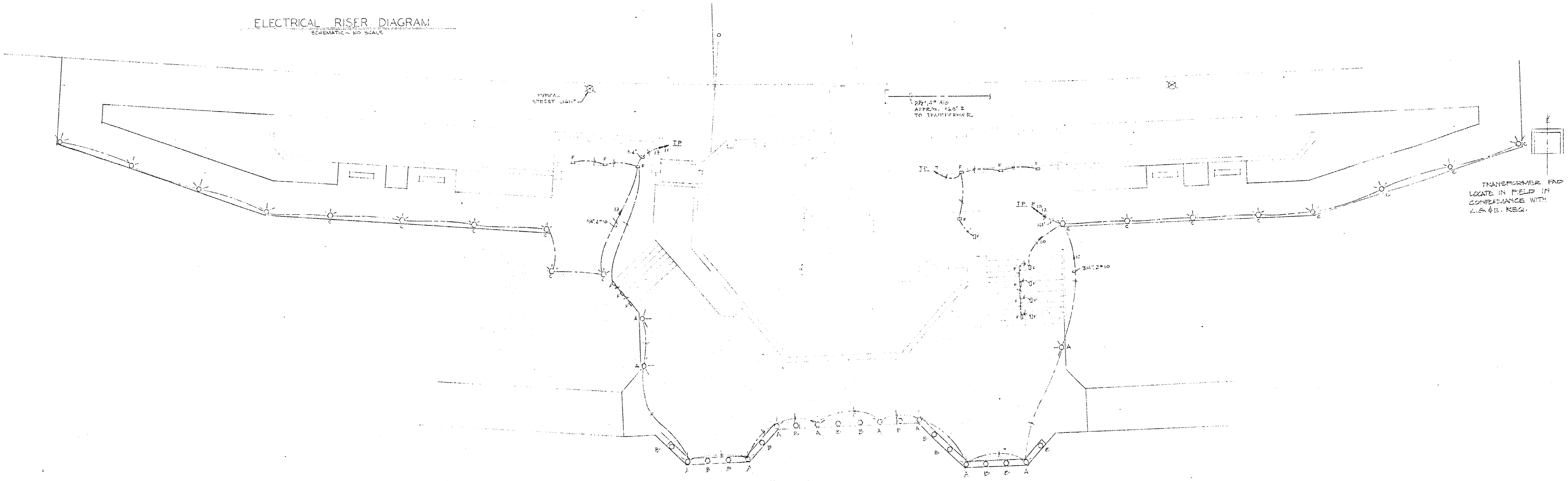
IDENT. NO.	SWITCH SIZE	FUSE SIZE	VOLTS	LOAD
1	200A.-3P	FRN-150	208V.	MAIN
2	100A.-3P	KTN-60	"	PANEL TP
3	60A.-3P	FRN-45	"	10 H.P. PUMP
4	30A.-3P	" - 30	"	5 H.P. PUMP
5	30A.-2P	KTN-30	120V.	PANEL CP

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	HOME RUN TO PANEL - CIRCUITS & CONDUCTORS W/ NEUTRAL INDICATED
	BRANCH CIRCUIT CONCEALED IN FLOOR
	CIRCUIT No. 2 LOADING BEYOND THIS POINT
	PANELBOARD
	2 GANG SWITCH & CONVENIENCE OUTLET
	MOTOR CONNECTION W/ HORSEPOWER
	DISCONNECT SWITCH
	MOTOR STARTER
J	JUNCTION BOX
T	THERMOSTAT
H	HUMIDISTAT
+	ABOVE FLOOR
W.P.	WEATHER PROOF

PANEL T.P. LOCATION PUMP ROOM MTG SURFACE
MAIN LUGS BUS 100A. VOLTS 120/208 PHASE 3ø WIRE FOUR
FEEDER 1½", 4 # 3 TYPE NLAB

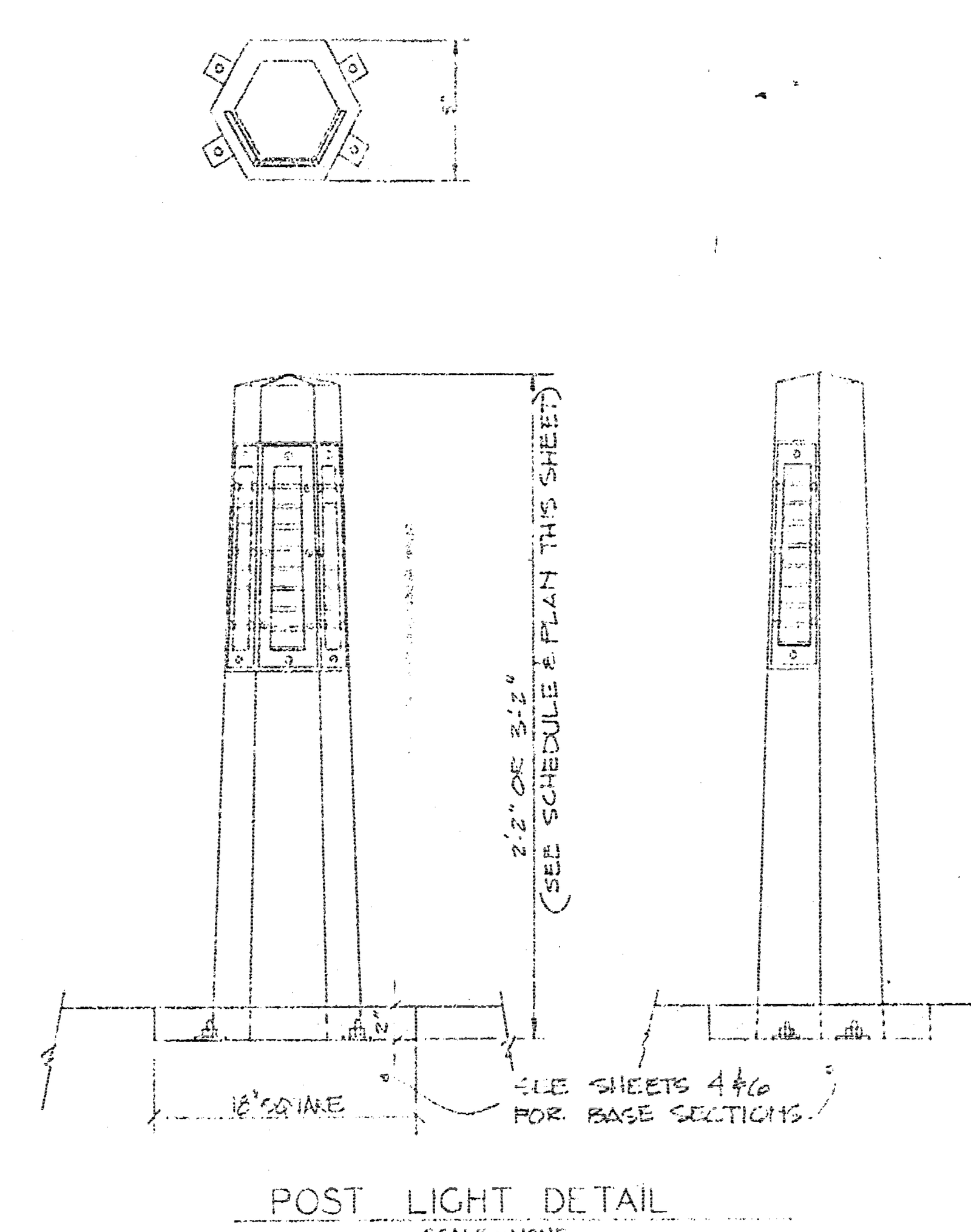
	WATTS A	WATTS B	WATTS C	OUTLET LTG	OUTLET APP	CCT. BKRS. 20/1P		OUTLET LTG	OUTLET APP	WATTS A	WATTS B	WATTS C	
POOL LTG.	900			✓		1	2	✓		900			POOL LTG.
"		900		✓		3	4	✓			900		"
"			900	✓		5	6	✓				1050	"
WALK LTG.	500			✓		7	8	✓		800			PYLON LTS.
POOL LTS.		300		✓		9	10	✓			800		STEP LTG.
WALK LTG.			600	✓		11	12	✓				1100	PYLON LTS.
PYLON LTS.	1000			✓		13	14	✓		1000			POOL LTS.
SPARE		1000				15	16	✓			1000		"
"			1000			17	18					1000	SPARE
SPACE ONLY	—					19	20			—			SPACE ONLY
"		—				21	22				—		"
"			—			23	24					—	"
TOTAL WATTS "A"	2400			5100						2700			
TOTAL WATTS "B"		2200		4900							2700		
TOTAL WATTS "C"			2500	5650								3150	
TOTAL				15650									



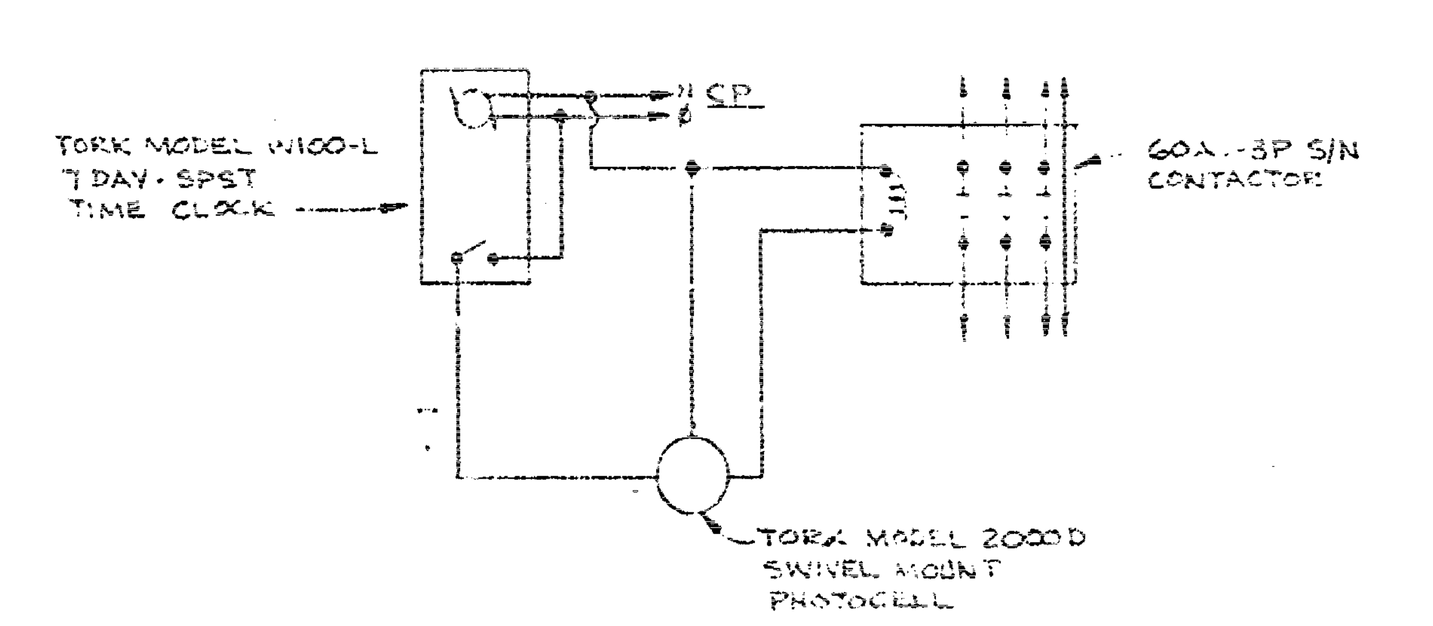
ELECTRICAL PLAZA PLAN
SCALE 1" = 10'0"

LIGHTING FIXTURE SCHEDULE

TYPE	NUMBER & MANUFACTURER	LAMPS	VOLTS	REMARKS
A	HYDREL # CE-146	100W I.F.	120 V.	3'-2" PRECAST CONCRETE POST (SEE DETAIL THIS SHEET)
B	" # CE-146 1	NONE	—	"
C	" # CE-146	100W I.F.	120 V.	2'-2" PRECAST CONCRETE POST
D	" # CE-144-1	150W.		RECESSED CAST ALUM. FIXT. W/ TEMPERED LENS & ADJUSTABLE HOLDER FOR MAX. 300W. R-40 (LAMP WATTAGE TO BE DETERMINED)
E	" # 4424-4	500W.		BRONZE UNDERWATER LT. W/ #1701 BRONZE J-BOX W/ #1430 22 CORD SEALS. OK
F	" # 4414-L	100W.		WATER TIGHT BRONZE LOUVERED LENS FRAME. OK
G	SHALDA #309	150W.		WITH 1056 CLEAR LENS & 1324 WIRE GUARD
H	STEBER # YC-152	100W.		VAPOR TITE FIXTURE W/ CAST ALUM. GUARD



POST LIGHT DETAIL
SCALE ~ NONE



LIGHTING CONTROL DIAGRAM
SCHEMATIC ~ NO SCALE

ELECTRICAL PLAN PLAZA AREA
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

FASNACHT and ASSOCIATES
Consulting Engineers
4441 MAINSON AVENUE
KANSAS CITY, MO. 64111
816-531-6915

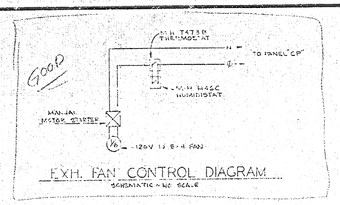
JOHN C. FASNACHT LICENSED 2910 KANSAS PROFESSIONAL ENGINEER

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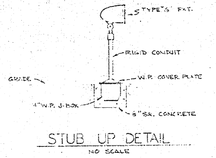
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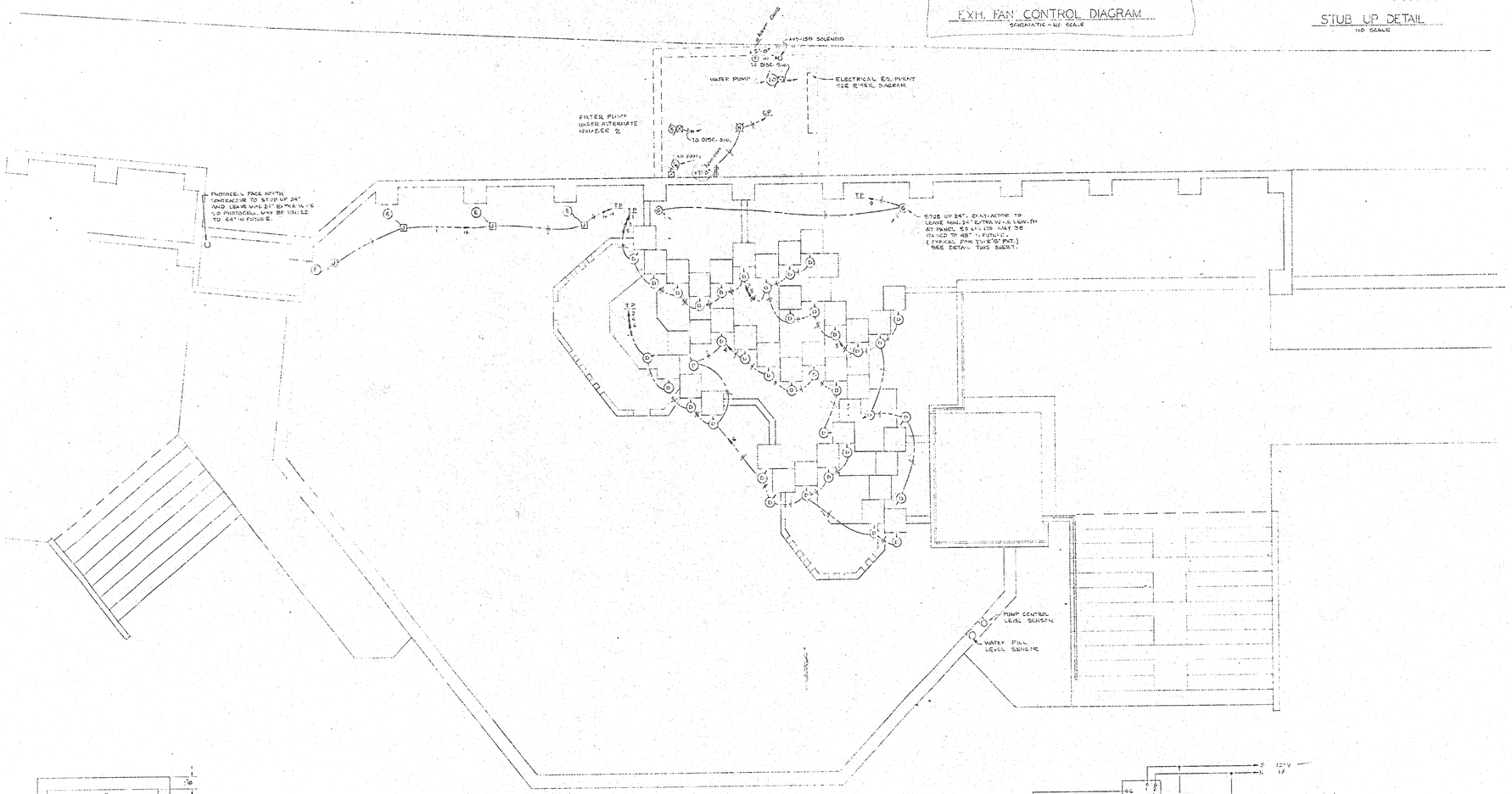
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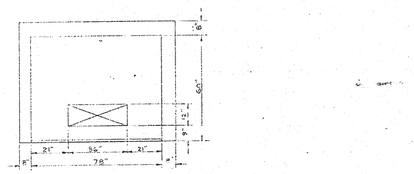


EXH. FAN CONTROL DIAGRAM
SCHEMATIC - NO SCALE

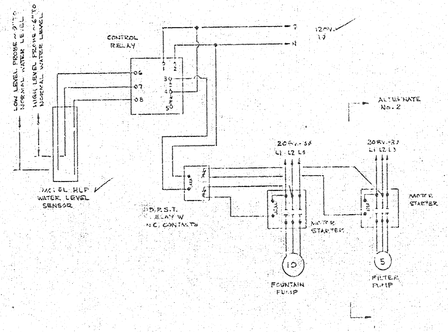


STUB UP DETAIL
NO SCALE

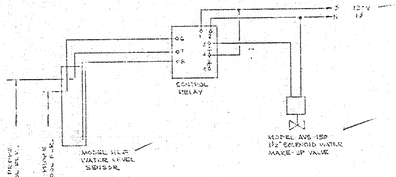




TRANSFORMER PAD DETAILS
SCALE: 3/8" = 1'-0"



PUMP CONTROL DIAGRAM
SCHEMATIC - NO SCALE



WATER LEVEL CONTROL DIAGRAM
SCHEMATIC - NO SCALE

ELECTRICAL PLAN - FOUNTAIN AREA
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

FASNACHT and ASSOCIATES
Consulting Engineers
4645 WARDEN AVENUE
KANSAS CITY, MO. 64133
816-531-6313

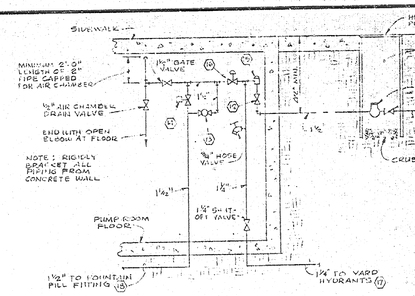
JOHN E. FASNACHT LICENSED 2916 KANSAS PROFESSIONAL ENGINEER

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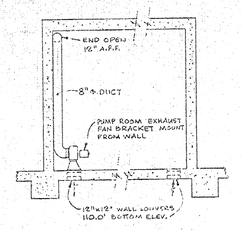
scale 1/4 : 1'-0"
date 10-30-70
11-5-70
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job number
sheet 9 OF 12

FEB 25 1971



POTABLE WATER MAKE-UP SYSTEM. ELEVATION

SCHEMATIC - NO SCALE



PUMP ROOM EXHAUST SYSTEM

SCALE: ½" = 1'-0"

EQUIPMENT SCHEDULE

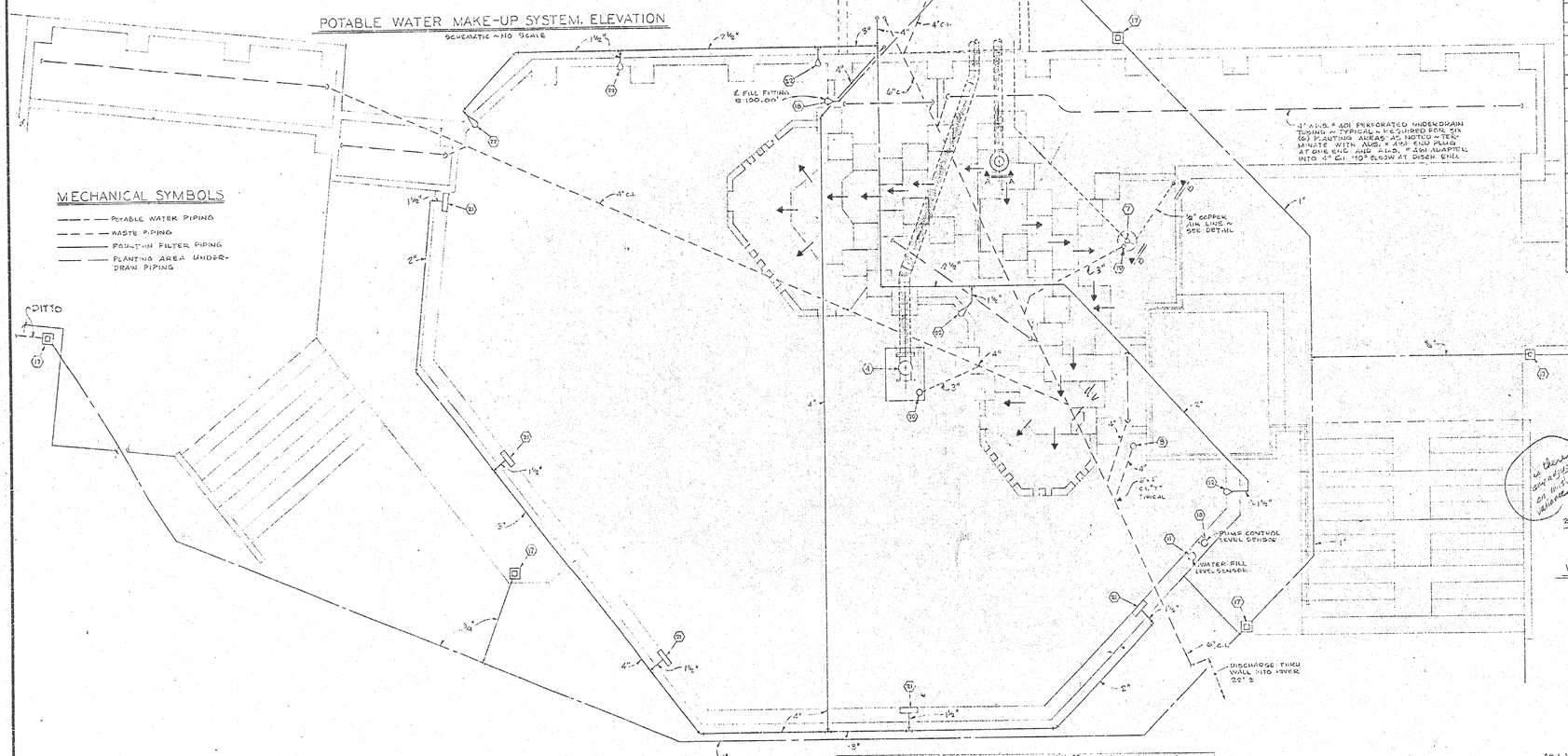
(ONE EACH REQUIRED EXCEPT AS NOTED)

ITEM	MODEL NO.	DESCRIPTION
(1)	HYDREL UP-1000-MC	FOUNTAIN PUMP - 710 G.P.M. @ 40' HEAD - 10 H.P. 208 V. 60 ~, 3 ø - 1200 R.P.M.
(2)	HYDREL LSF-100	10" LINE STRAINER
(3)	HYDREL GTVF-1000	10" ISOLATION VALVE (GATE)
(4)	HYDREL CKVF-1000	10" CHECK VALVE
(5)	HYDREL GLVF-800	8" CONTROL VALVE (GLOBE)
(6)	HYDREL GLVS-200	2" CONTROL VALVE (GLOBE)
(7)	HYDREL ABJ-150	1½" BUBBLER JET WITH AIR LINE AND VALVE
(8)	ZURN Z-B01-1	4" POOL DRAIN WITH REMOVABLE 12" HIGH STANDPIPE AND DOME
(9)	ZURN Z-741-V	4" PUMP ROOM DRAIN WITH INTEGRAL BACKWATER VALVE AND CLEANOUT
(10)	HYDREL HLP	ELECTRIC WATER LEVEL SENSOR (PUMP CONTROL)
(11)	HYDREL HLP	ELECTRIC WATER LEVEL SENSOR (FOUNTAIN MAKE-UP)
(12)	HYDREL GTVS-150	1½" FOUNTAIN FILL MAIN SHUT-OFF VALVE (GATE)
(13)	HYDREL GLVS-150	1½" FOUNTAIN MANUAL FILL VALVE (GLOBE)
(14)	HYDREL AVS-150	1½" FOUNTAIN AUTOMATIC FILL VALVE (SOLENOID - 120V., 1ø)
(15)	WATTS 288 A	1½" ANTI-SIPHON VACUUM BREAKER
(16)	WATTS 155	1½" PRESSURE REDUCING VALVE WITH STRAINER (SET AT 50 PSI.)
(17)	MURDOCK M-67S	9" ø BOX HYDRANT WITH 4' BURY DEPTH - SET IN 12"x12"x12" CONCRETE BLOCK - 5 REQ'D.
(18)	HYDREL AEF-150	1½" FOUNTAIN "EYEBALL" FILL FITTING
(19)	MEEHAN W-0661-LM 24" OPENING	LIGHT DUTY MANHOLE FRAME AND HINGED LID, SET FLUSH, WITH TYPE "T" HINGE, TYPE "F" CONCEALED WATERTIGHT LIFT HANDLE AND TYPE "G" TIGHTENING GASKLOCKING DEVICE
(20)	ZURN # Z-1900	8" CLEANOUT WITH RAISED HEAD, INSTALLED IN CAST IRON PIPE BELL PLUG WITH FLOOR
(21)	HYDREL SK-332	SURFACE SKIMMER (FILTER SYSTEM INLET) - 5 REQUIRED
(22)	HYDREL AEF-150	1½" FILTER SYSTEM "EYEBALL" DISCHARGE FITTING - 5 REQUIRED
ADD ALTERNATE NUMBER 2		
(A1)	HYDREL HRL-48	48" DIA. HIGH RATE SAND FILTER
(A2)	HYDREL UP-500-M36	FILTER PUMP - 5 H.P., 208 V., 60 ~, 3ø 5500 R.P.M.
(A3)	HYDREL LSF-45	4" LINE STRAINER
(A4)	HYDREL GTVF-400	4" ISOLATION VALVE (GATE)

MECHANICAL SYMBOLS

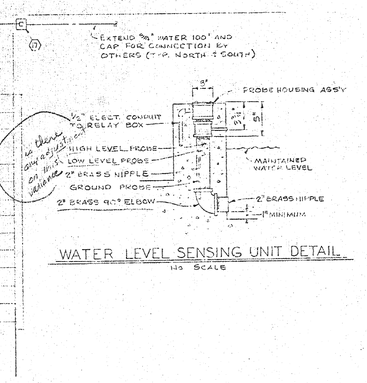
- ——— POTABLE WATER PIPING
- — — — WASTE PIPING
- ——— FOUNTAIN FILTER PIPING
- ——— PLANTING AREA UNDER-DRAIN PIPING

DITTO



FOUNTAIN PLUMBING PLAN

SCALE: ¼" = 1'-0"

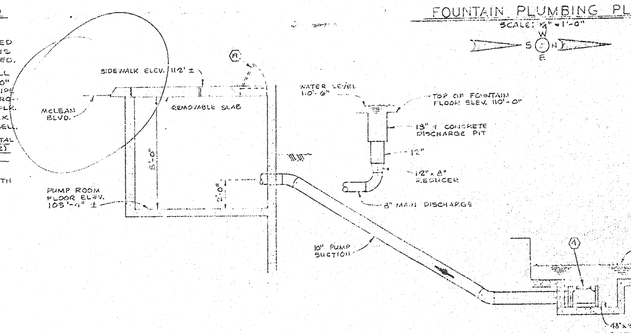


WATER LEVEL SENSING UNIT DETAIL

NO SCALE

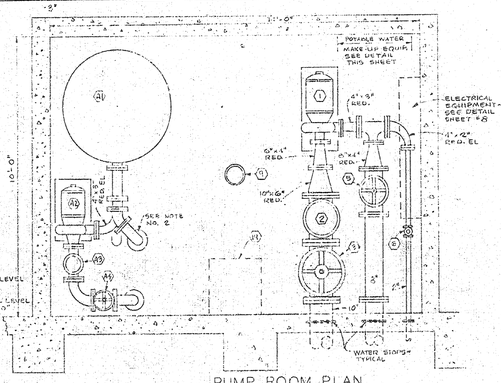
PUMP ROOM NOTES

1. PROVIDE CONCRETE PUMP BASES WITH ANCHOR BOLTS AS REQUIRED TO ADHERE TO PIPING ELEVATIONS NOTED AND EQUIPMENT FURNISHED.
2. FILTER WASTE CONNECTION SHALL BE 4" TO 4'x6'-8" INCREASER 2'-0" ABOVE FLOOR WITH 6" C.I. SOIL PIPE BELL DRAIN FLUSH WITH FLOOR - PROVIDE 6" SOIL PIPE "TEE" ABOVE FLR. WITH CLEANOUT PLUG AND CAULK 6" STEEL PIPE INTO SOIL PIPE BELL.
3. PAINT ALL EXPOSED FERROUS METAL PIPE AND EQUIPMENT WITH TWO (2) COATS OF ASPHALT BASE PAINT AFTER INSTALLATION.
4. PROVIDE DRAIN CONNECTION WITH VALVE FOR EACH STRAINER.



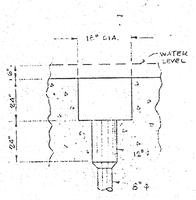
PARTIAL SECTION INDICATING PIPING ELEVATIONS

SCALE: ½" = 1'-0"



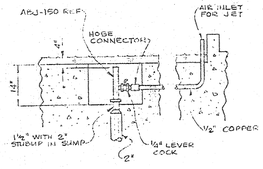
PUMP ROOM PLAN

SCALE: ½" = 1'-0"



SECTION A-A

NO SCALE



SECTION B-B

NO SCALE

PLUMBING PLAN

RIVER DEVELOPMENT WEST BANK

DOUGLAS AVENUE TO I-LEWIS STREET

BOARD OF PARK COMMISSIONERS

WICHITA, KANSAS

FASNACHT and ASSOCIATES
Consulting Engineers
4141 CYPRESS AVENUE
KANSAS CITY, MO. 64111
816-931-0913

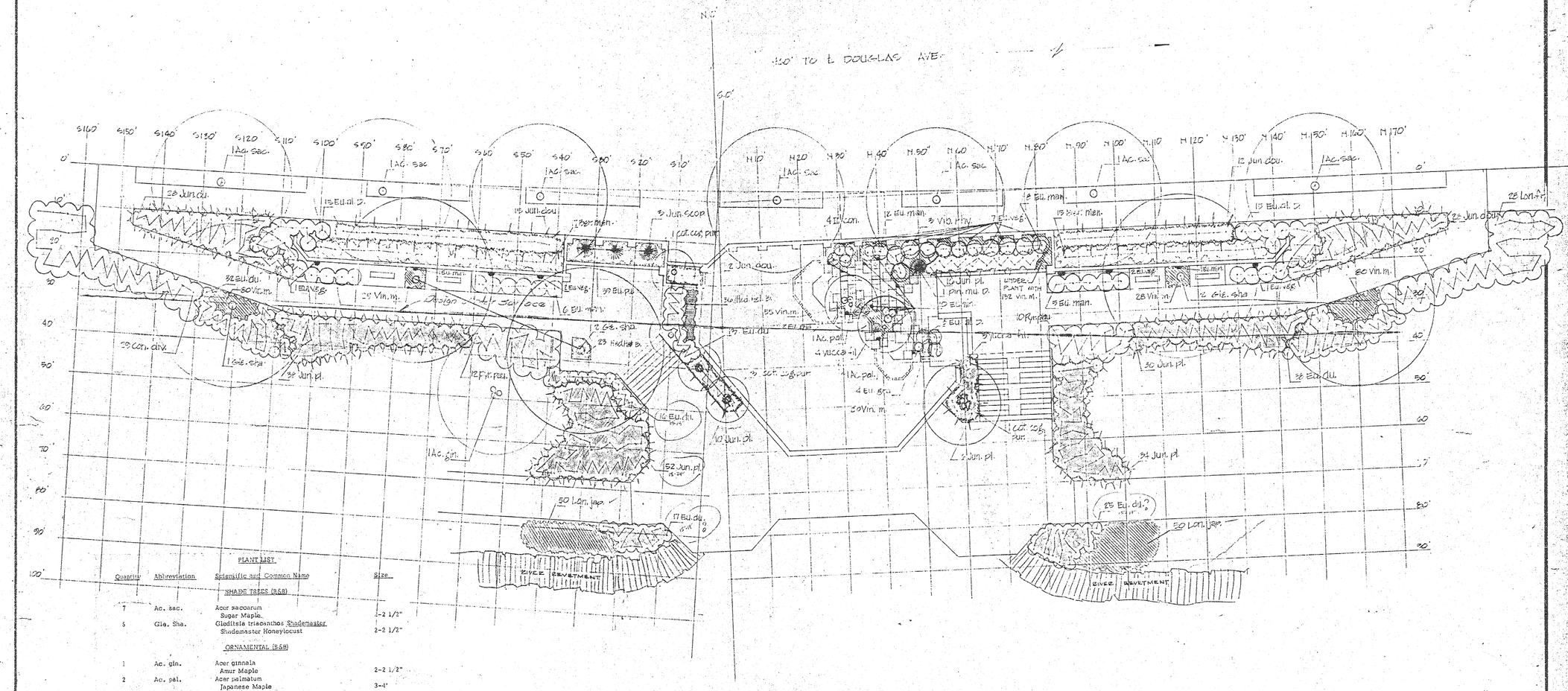
IVAN C. FASNACHT LICENSED 7410 KANSAS PROFESSIONAL ENGINEER

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NORTH

PLANT LIST

Quantity	Abbreviation	Scientific and Common Name	Size
		SHADE TREES (B&B)	
7	Ac. sac.	Acer saccarum Sugar Maple	2-2 1/2"
5	Gle. Sha.	Gleditsia triacanthos Shademaster Shademaster Honeylocust	2-2 1/2"
		ORNAMENTAL (B&B)	
1	Ac. gin.	Acer ginnala Amur Maple	2-2 1/2"
2	Ac. pal.	Acer palmatum Japanese Maple	3-4'
5	Cot.cog.pur.	Cotinus coggygria purpurea Purple Leaf Smoke-Tree	5-6'
		EVERGREENS (B&B)	
3	Jun. scop.	Juniperus scopulorum Bluehaven Juniper	4-5'
1	Pin. mu.	Pinus mugo Mugho Swiss Mountain Pine	18-24"
85	Jun. dou.	Juniperus horizontalis douglasi Waukegan Creeping Juniper	18-24"
186	Jun. pl.	Juniperus horizontalis plumosa Andorra Creeping Juniper	18-24"
		SHRUBS (B&B)	
29	Cot. div.	Cotoneaster divaricata Spreading Cotoneaster	18-24"
33	Eu. al. D.	Euonymus alatus apterus Dwarf Dwarf Winged Euonymus	18-24"
21	Eu. man.	Euonymus kiautschovicus Manhattan Euonymus	18-24"
141	Eu. Du.	Euonymus kiautschovicus Small Leaf (plots, DuPont) Spreading Euonymus	15-18"
28	Lon. Fr.	Lonicera fragrantissima Winter Honeysuckle	3-4'
22	Pyr. Pau.	Pyracantha coccinea pauciflora Sparse Firethorn	5 Gal.
4	Il. Con.	Ilex crenata Convexleaf Convexleaf Japanese Holly	18-24"
32	Ber. men.	Berberis mentorensis Mentor Barberry	18-24"
3	Vib. Rhy.	Viburnum Rhytidophyllum Leather Leaf Viburnum	3-4'

Quantity	Abbreviation	Scientific and Common Name	Size
		GROUNDCOVER AND VINES (POTS-CONTAINERS)	
424	Vin. m.	Vinca minor Common Periwinkle	2 Yr.
59	Hed. Hel. B.	Hedera helix Baltic Baltic Ivy	2 Yr.
39	Eu. Pp.	Euonymus fortunei coloratus Purpleleaf Euonymus	2 Yr.
6	Eu. Gra.	Eulalia Gracillima Fountain Grass	2 Yr.
7	Yucca Fil.	Yucca filamentosa Yucca	2 Yr.
13	Eu. veg.	Euonymus fortunei vegetus Bigleaf Wintercreeper	2 Yr.
12	Eu. min.	Euonymus minimus Small Leaf Euonymus	2 Yr.
100	Lon. jap. pur.	Lonicera japonica purpurea Purple Japanese Honeysuckle	Gal. Cont.

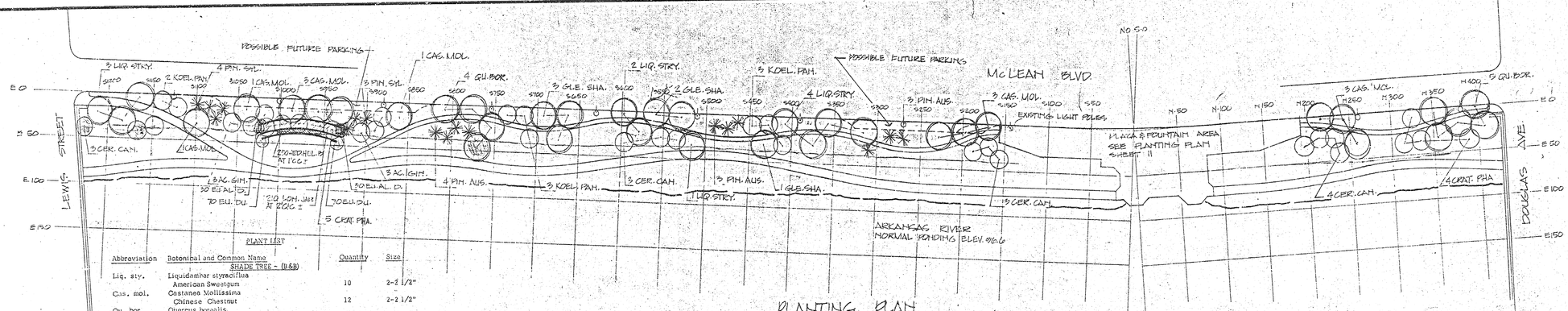
ALTERNATE NO. 4 - PLANTING PLAN
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

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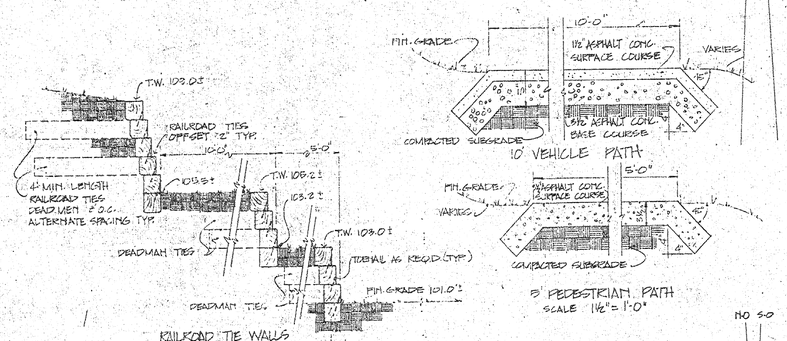
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PLANTING PLAN

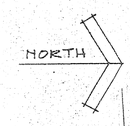
PLANT LIST

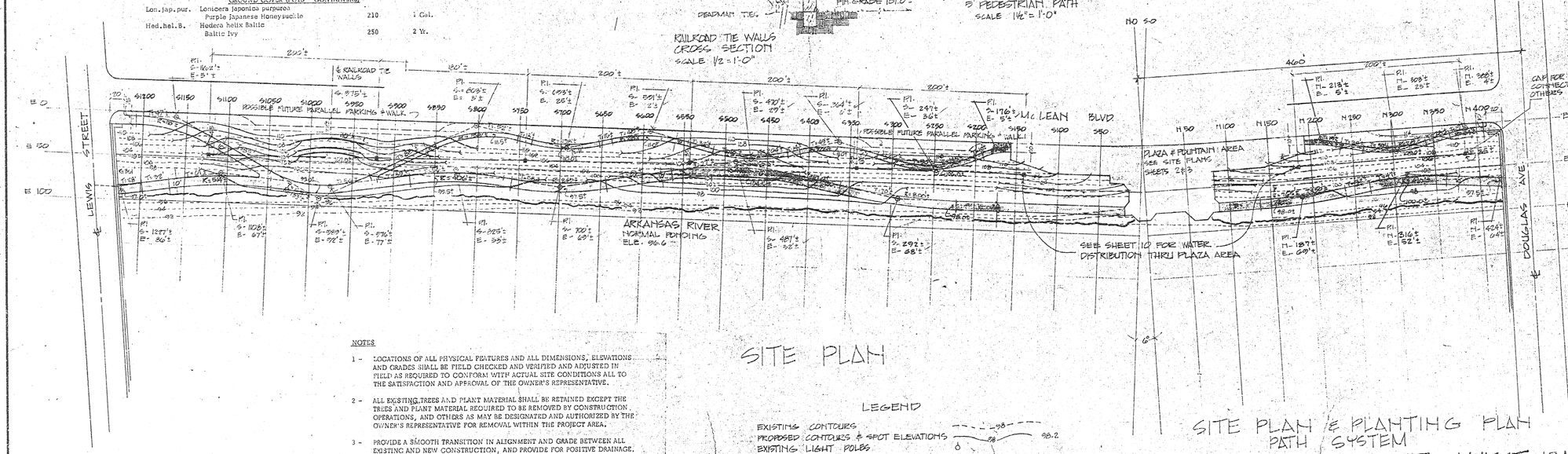
Abbreviation	Botanical and Common Name	Quantity	Size
	SHADE TREE - (B&B)		
Liq. sty.	Liquidambar styraciflua American Sweetgum	10	2-2 1/2"
Cas. mol.	Castanea Mollissima Chinese Chestnut	12	2-2 1/2"
Qu. bor.	Quercus borealis Northern Red Oak	9	2-2 1/2"
Gle. Sha.	Gleditsia triacanthos Shademaster Shademaster Honeylocust	6	2-2 1/2"
	ORNAMENTAL (B&B)		
Cer. can.	Cercis canadensis Eastern Redbud	13	5-6'
Koel. pan.	Koelreuteria paniculata Panicled Goldenraintree	8	1 1/2-2"
Ac. gin.	Acer ginnala Amur Maple	6	1 1/2-2"
Crat. pha.	Crataegus phaenopyrum Washington Hawthorn	9	5-6'
	EVERGREEN (B&B)		
Pin. syl.	Pinus sylvestris Scotch Pine	7	4-5'
Pin. aus.	Pinus Nigra Austriaca Austrian Pine	10	4-5'
	SHRUBS (B&B)		
Eu. al. D.	Euonymus alatus apterus Dwarf Dwarf Winged Euonymus	60	18-24"
Eu. Du.	Euonymus Kiautschovicus Small Leaf (picta, DuPont) DuPont Euonymus	140	15-18"
	GROUND COVER (POTS - CONTAINERS)		
Lon. jap. pur.	Lonicera japonica purpurea Purple Japanese Honeysuckle	210	1 Gal.
Hed. hel. B.	Hedera helix Baltic Baltic Ivy	250	2 Yr.



RAILROAD TIE WALLS
CROSS SECTION
SCALE 1/2" = 1'-0"

5' PEDESTRIAN PATH
SCALE 1½" = 1'-0"





NOTES

1 - LOCATIONS OF ALL PHYSICAL FEATURES AND ALL DIMENSIONS, ELEVATIONS AND GRADES SHALL BE FIELD CHECKED AND VERIFIED AND ADJUSTED IN FIELD AS REQUIRED TO CONFORM WITH ACTUAL SITE CONDITIONS ALL TO THE SATISFACTION AND APPROVAL OF THE OWNER'S REPRESENTATIVE.

2 - ALL EXISTING TREES AND PLANT MATERIAL SHALL BE RETAINED EXCEPT THE TREES AND PLANT MATERIAL REQUIRED TO BE REMOVED BY CONSTRUCTION OPERATIONS, AND OTHERS AS MAY BE DESIGNATED AND AUTHORIZED BY THE OWNER'S REPRESENTATIVE FOR REMOVAL WITHIN THE PROJECT AREA.

3 - PROVIDE A SMOOTH TRANSITION IN ALIGNMENT AND GRADE BETWEEN ALL EXISTING AND NEW CONSTRUCTION, AND PROVIDE FOR POSITIVE DRAINAGE.

4 - ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS WHICH ARE NOT TO BE PAVED OR OTHERWISE COVERED SHALL BE SPRIGGED FOR NEW LAWN IN ACCORDANCE WITH SPECIFICATIONS.

5 - TOPOGRAPHIC SURVEY FROM CITY-COUNTY FLOOD CONTROL OFFICE MAP, WICHITA, KANSAS, SE 1/4, SEC 20, T-27-S, R-1-E, DATED 6-13-68, REVISED 7-25-69.

BENCH MARK: USGS STANDARD TABLET 100 FEET NORTH AND 20 FEET EAST OF DOUGLAS AND McLEAN.
ELEVATION: 1303.59 USGS DATUM
116.19 CITY DATUM

BENCH MARK: USGS STANDARD TABLET, S.E. CORNER BRIDGE AT DOUGLAS AND ARKANSAS RIVER.
ELEVATION: 1303.29 USGS DATUM
115.89 CITY DATUM

ALL CONTOURS AND ELEVATIONS SHOWN ON THESE CONTRACT DRAWINGS ARE CITY DATUM.

SITE PLAN

LEGEND

EXISTING CONTOURS
PROPOSED CONTOURS & SPOT ELEVATIONS 98 98 98.2
EXISTING LIGHT POLES
WATER LINE & YARD HYDRANT
¾" TYPE K COPPER TUBING - MURDOCK MODEL M-47B ¾" BOX HYDRANT WITH 4' BURY DEPTH - SET IN 12"x12"x12" CONC. BLOCK - 8 REQ'D. (SEE SPECS.)

SITE PLAN & PLANTING PLAN
PATH SYSTEM
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

HARE AND HARE INC
planners • landscape architects
114 WEST TENTH STREET • KANSAS CITY • MISSOURI 64105

RECEIVED
FEB 25 1971

scale 1" = 50'
date 12-10-70
2-16-71
drawn by
job number
sheet 12 of 12

FEB 25 1971