

RIVER DEVELOPMENT - WEST BANK

DOUGLAS AVENUE TO LEWIS STREET

prepared for

BOARD OF PARK COMMISSIONERS

WICHITA, KANSAS

INDEX

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Final Plans

[Signature]
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*Ltr of Approval from CGE 4/20/71
Sent to Tulsa Co. 3-31-71*

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structural engineers
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FASNACHT and ASSOCIATES
consulting engineers
KANSAS CITY • MISSOURI

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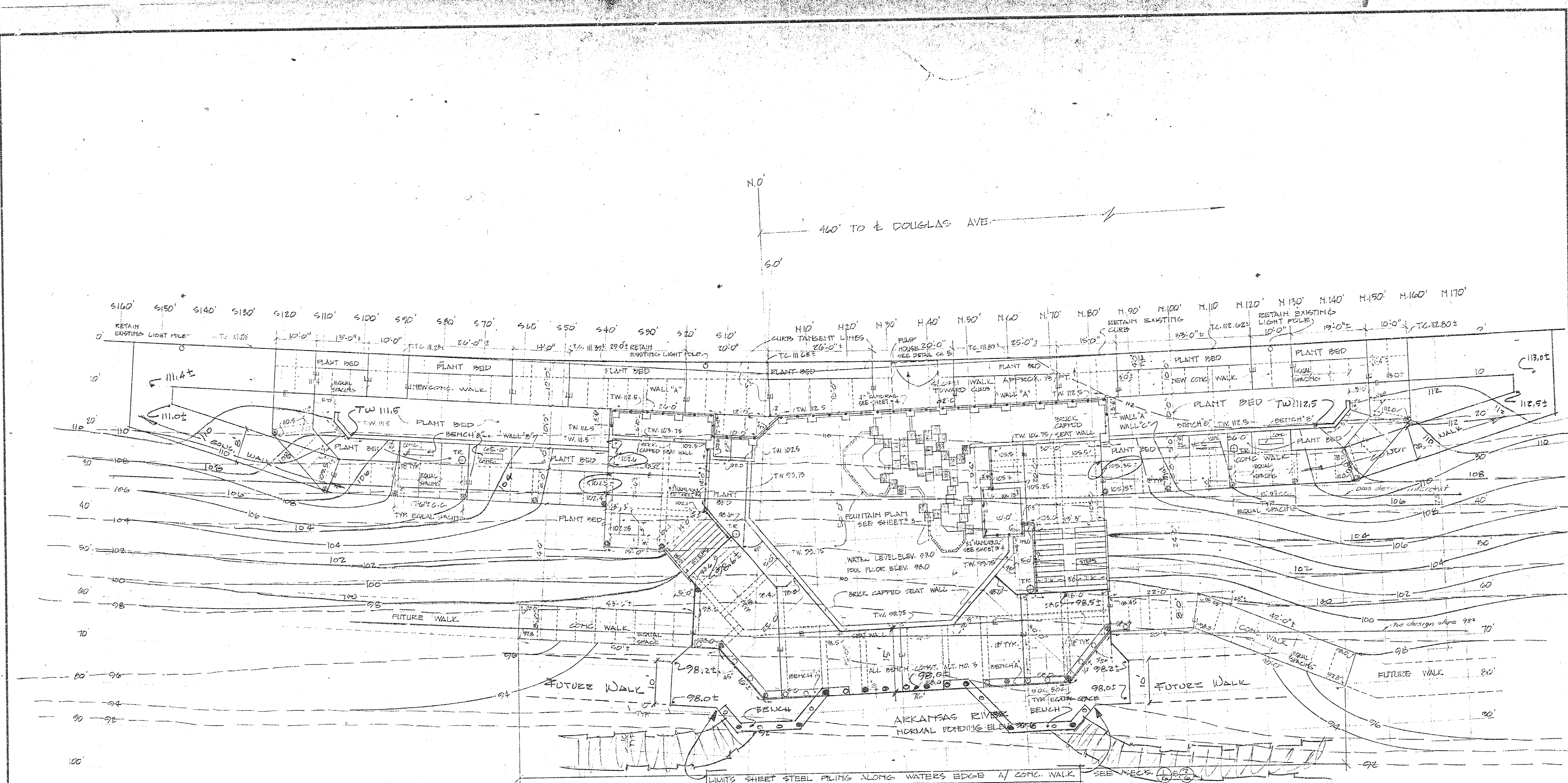
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job number
sheet

1 of 12

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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, 6E 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
118.19 CITY DATUM

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

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

LEGEND

EXISTING CONTOURS & SPOT ELEVATIONS ——— 102 ——— + 102.5
 PROPOSED CONTOURS & SPOT ELEVATIONS ——— 102 ——— + 102.5
 CONCRETE EXPANSION JOINTS ——— E ———
 CONCRETE CONTRACTION JOINTS ——— E ———
 CONCRETE PYLONS ——— E ———
 TRASH RECEPTACLES (ALTERNATE #4) ——— E ———

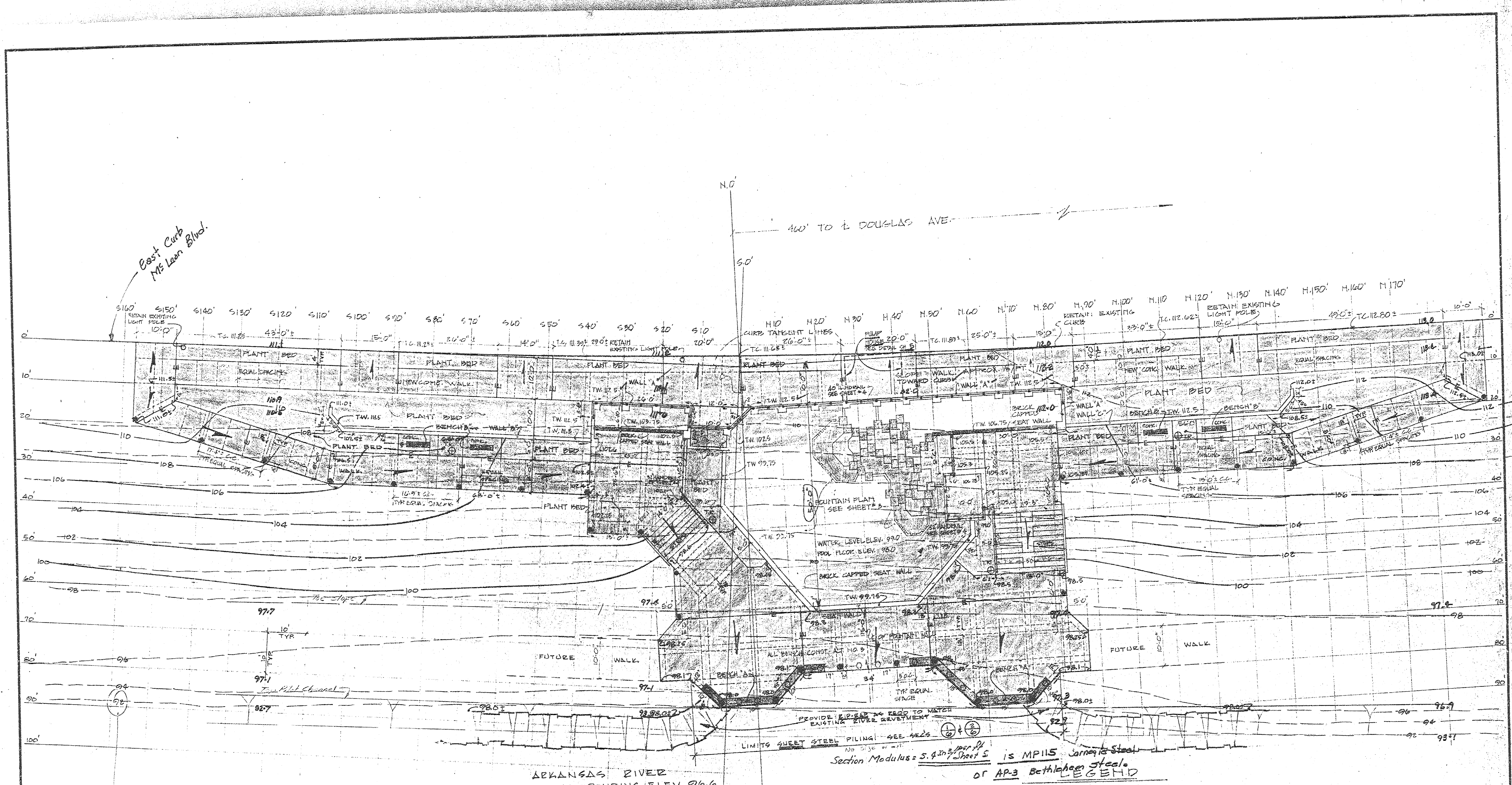
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 ○ UNLIGHTED
 ⊕ TR.

PROPOSED REVISION 1-15-71

SITE PLAN PLAZA AREA
RIVER DEVELOPMENT WEST BANK
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- NOTES**
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- BENCH MARK: USGS STANDARD TABLET 100 FEET NORTH AND 20 FEET EAST OF DOUGLAS RIVER.
ELEVATION: 1303.53 USGS DATUM
116.19 CITY DATUM
- BENCH MARK: USGS STANDARD TABLET, S.E. CORNER BRIDGE AT DOUGLAS AND ARKANSAS RIVER.
ELEVATION: 1303.25 USGS DATUM
115.89 CITY DATUM
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EXISTING CONTOURS & SPOT ELEVATIONS
PROPOSED CONTOURS & SPOT ELEVATIONS
CONCRETE EXPANSION JOINTS
CONCRETE CONTRACTION JOINTS
CONCRETE PILING
TRASH RECEPTACLES (ALTERNATE #4)

LEGEND

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○ UNLIGHTED
⊕ TR.

Matches sheet Approved
1-15-71

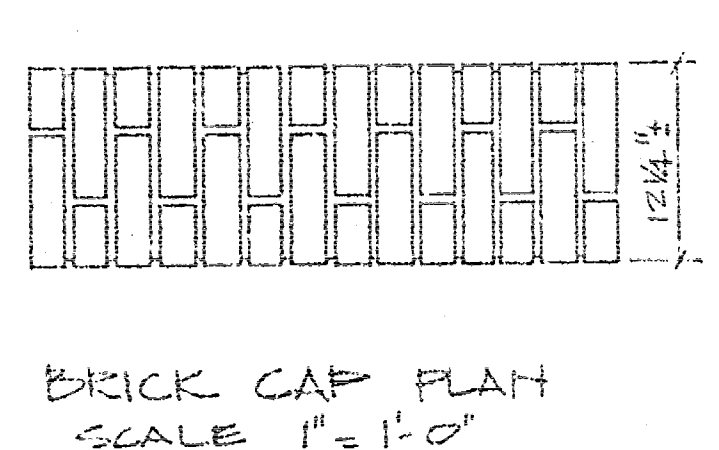
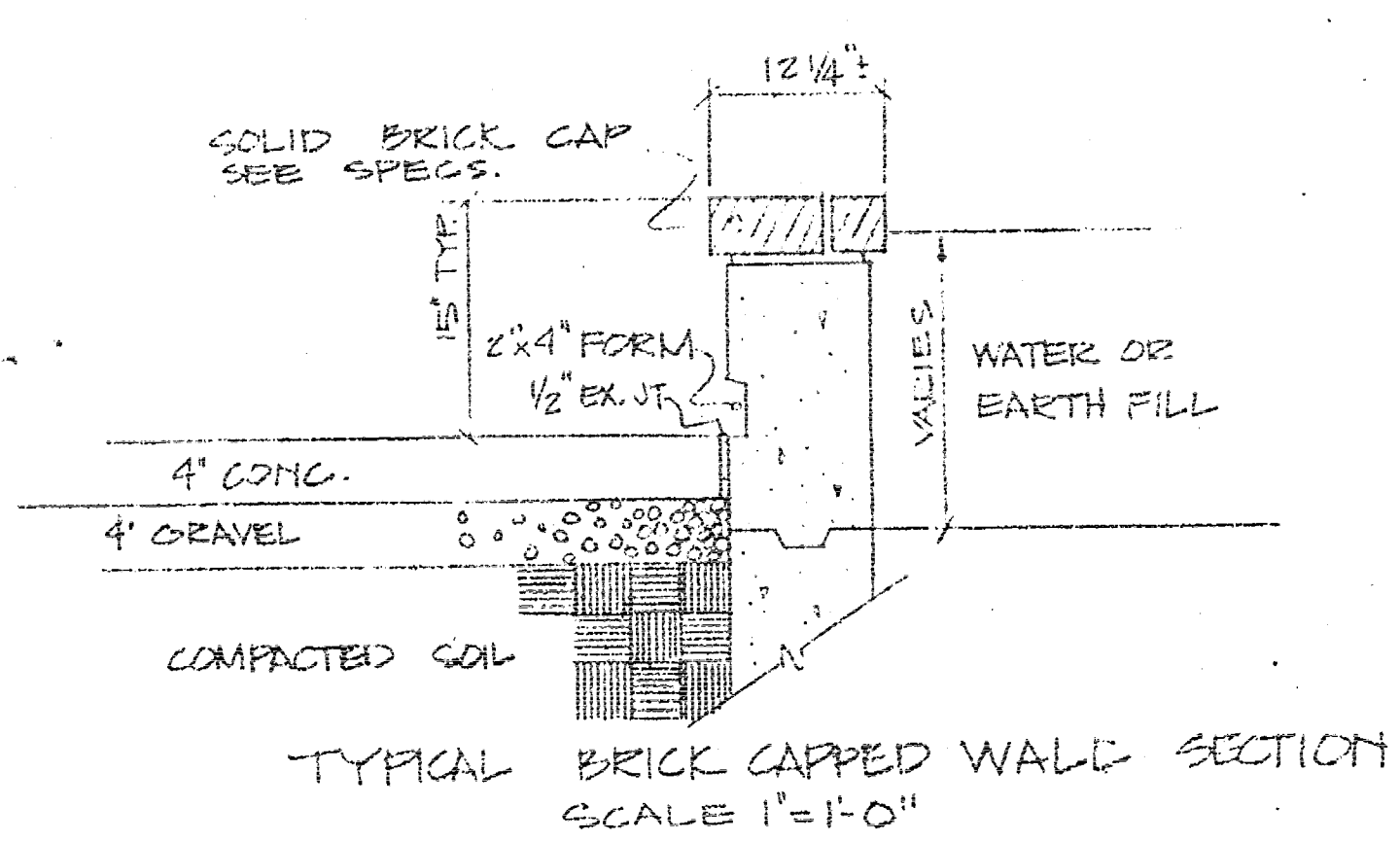
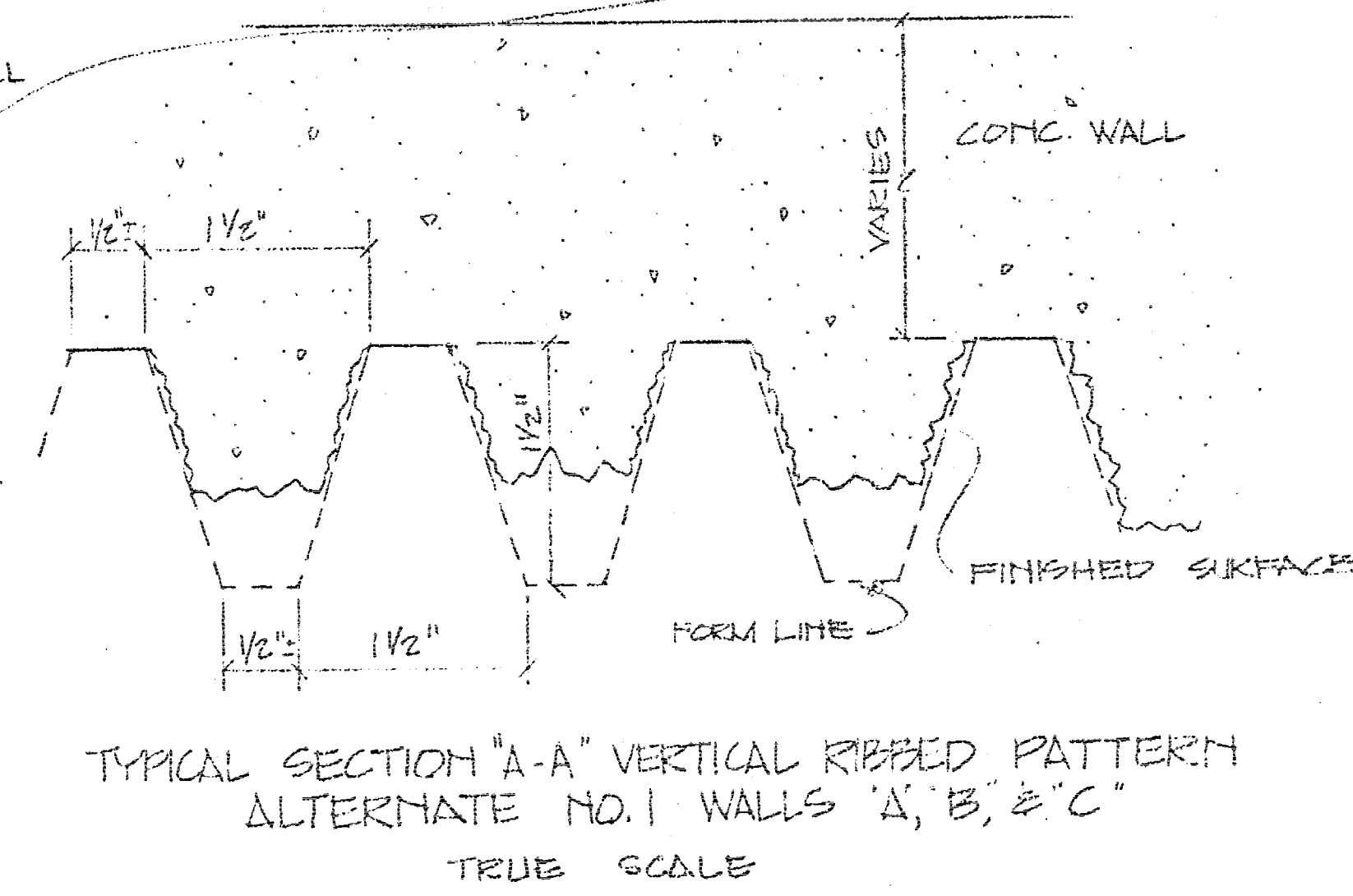
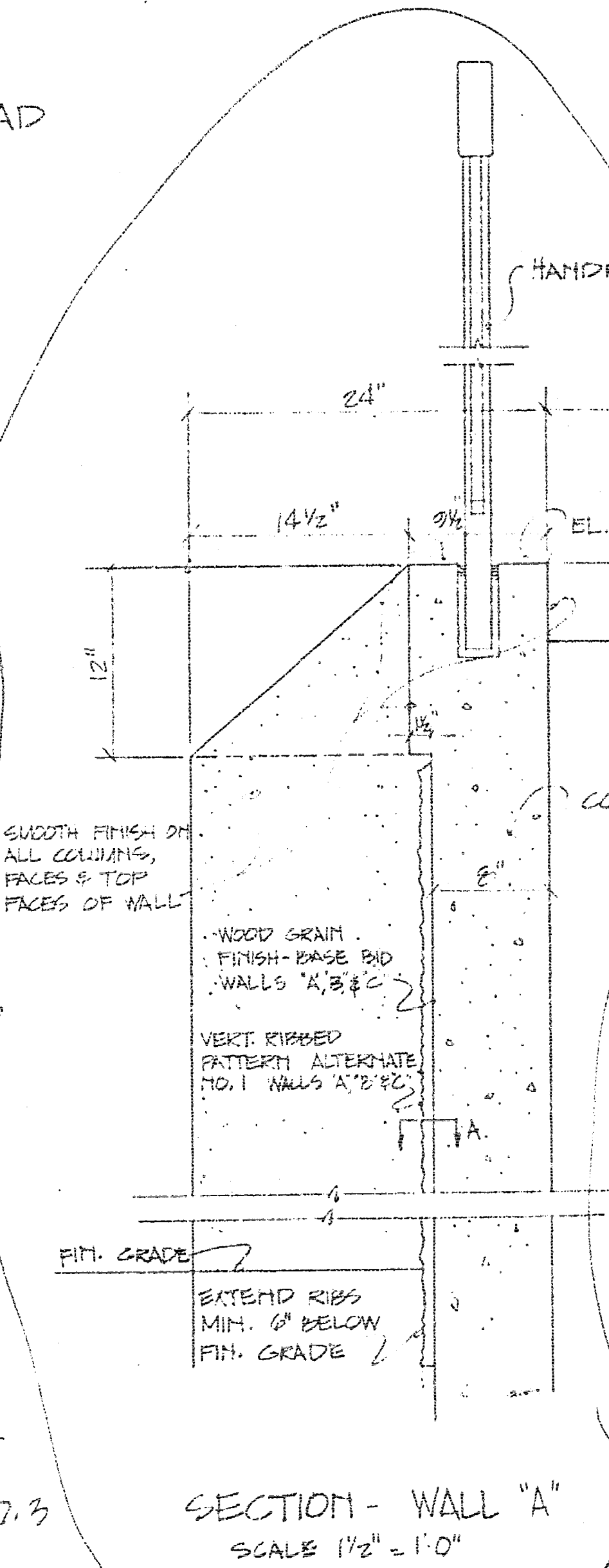
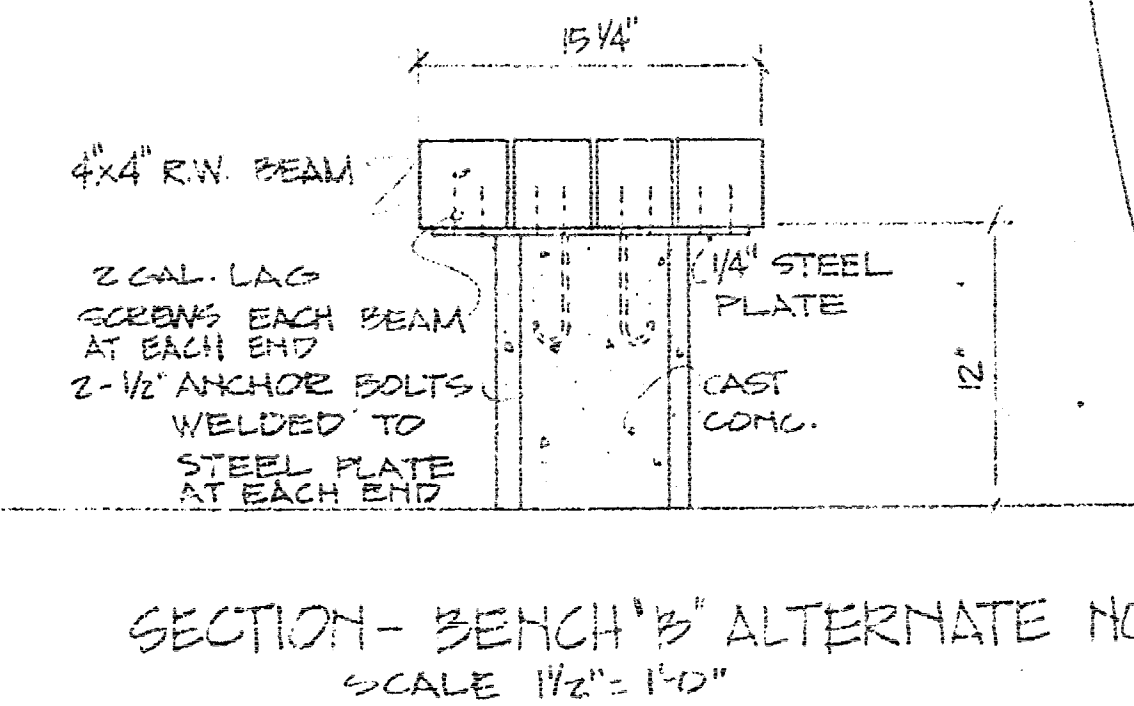
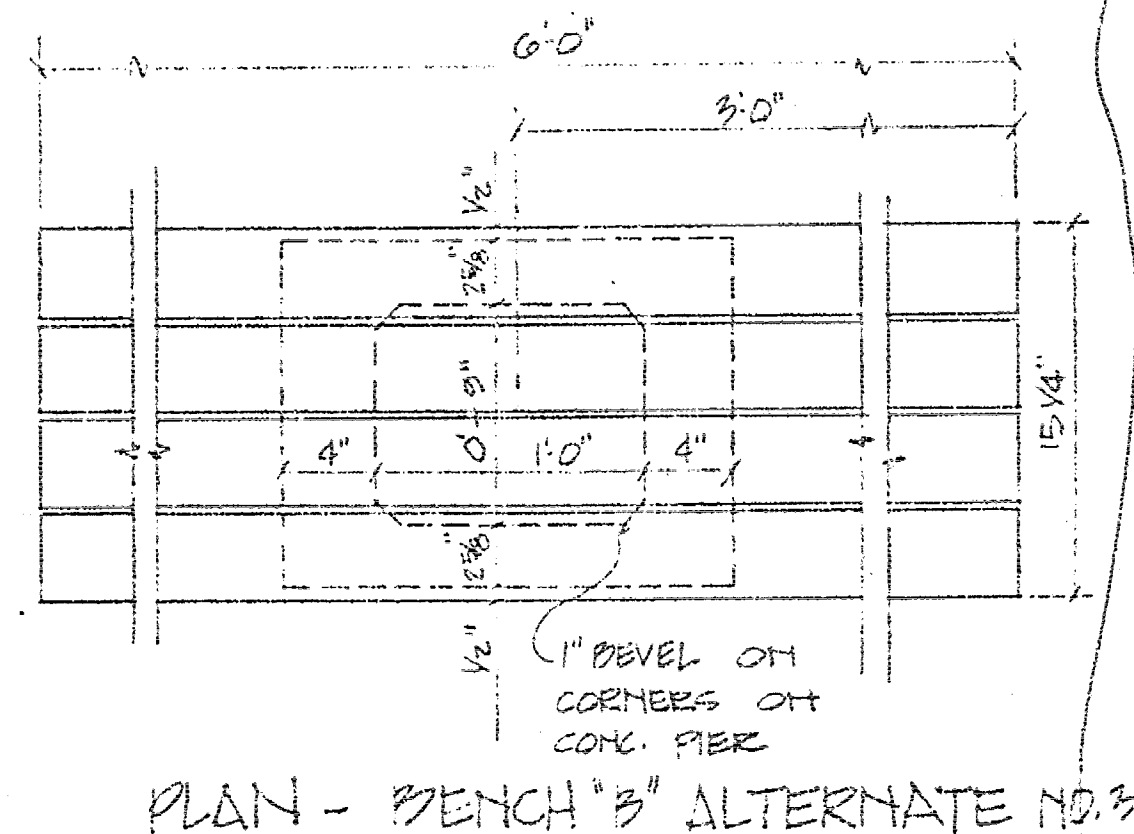
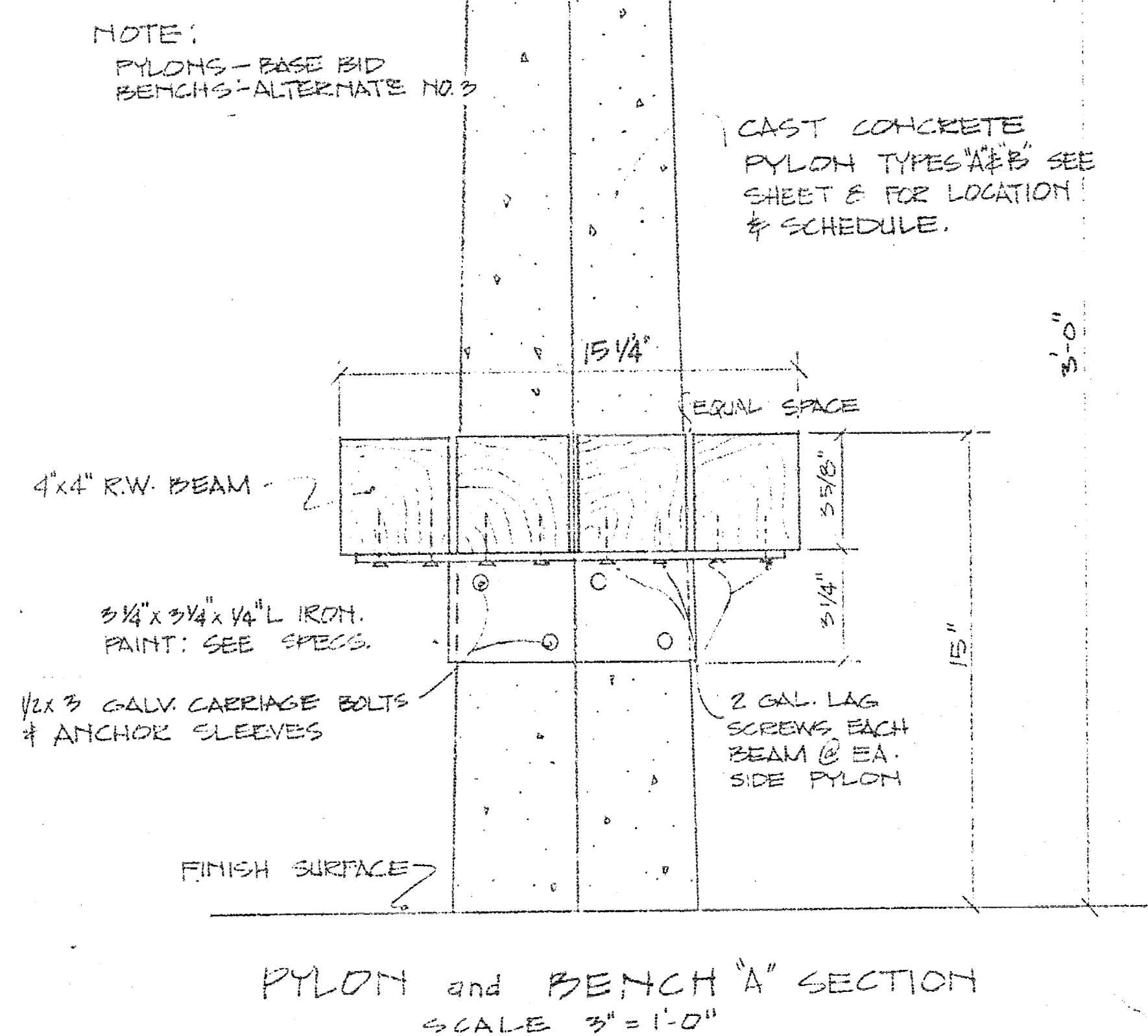
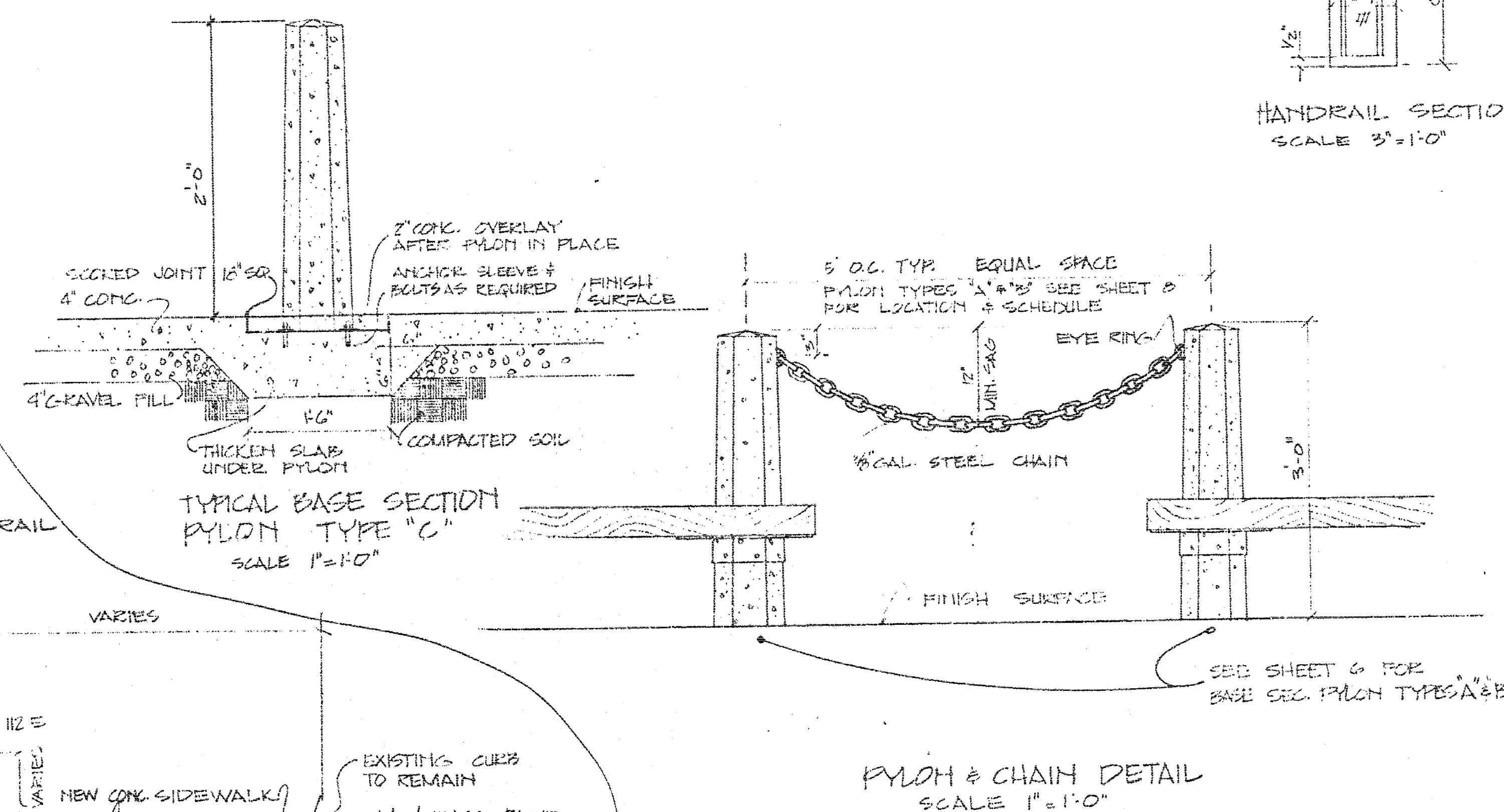
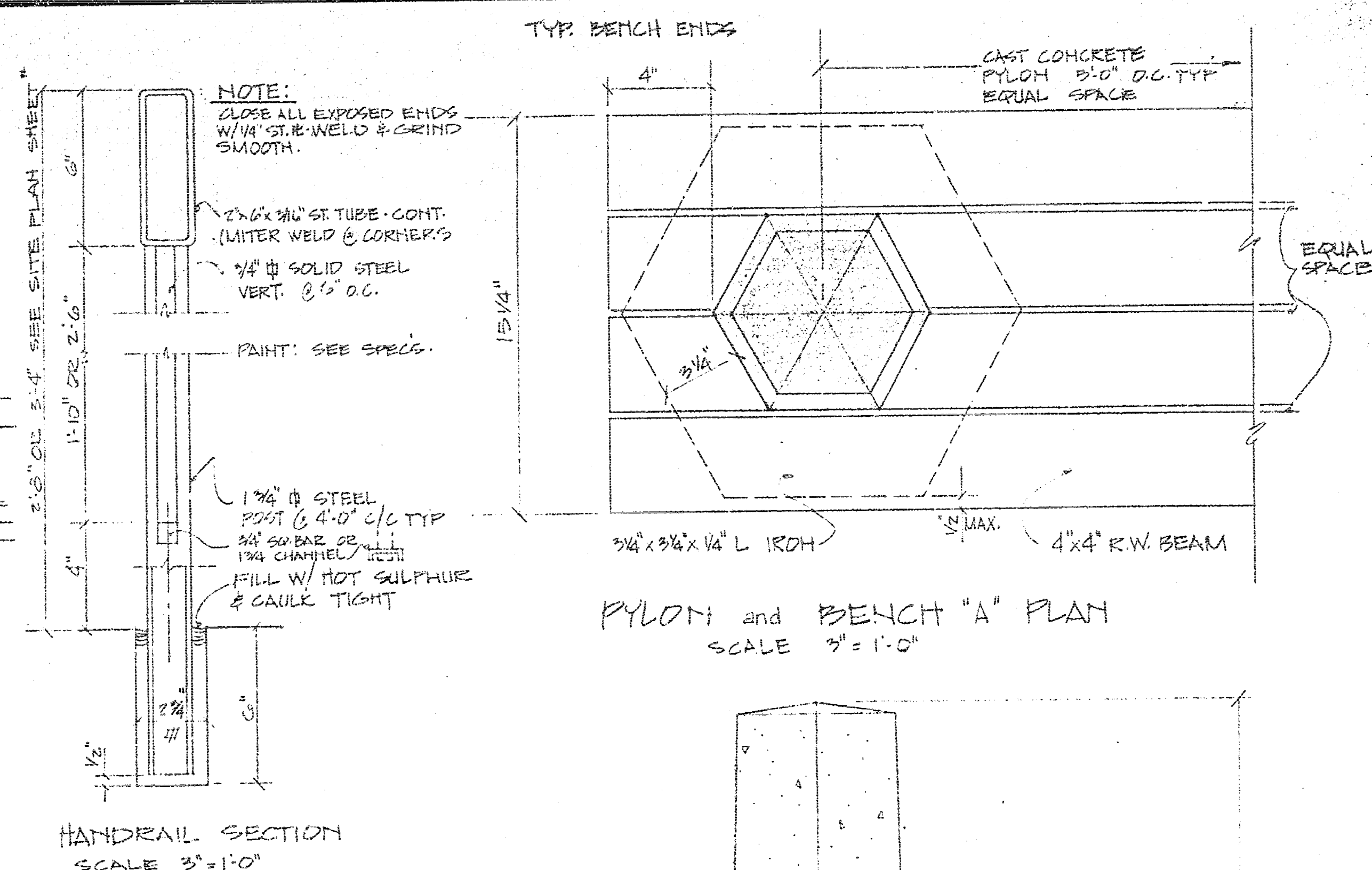
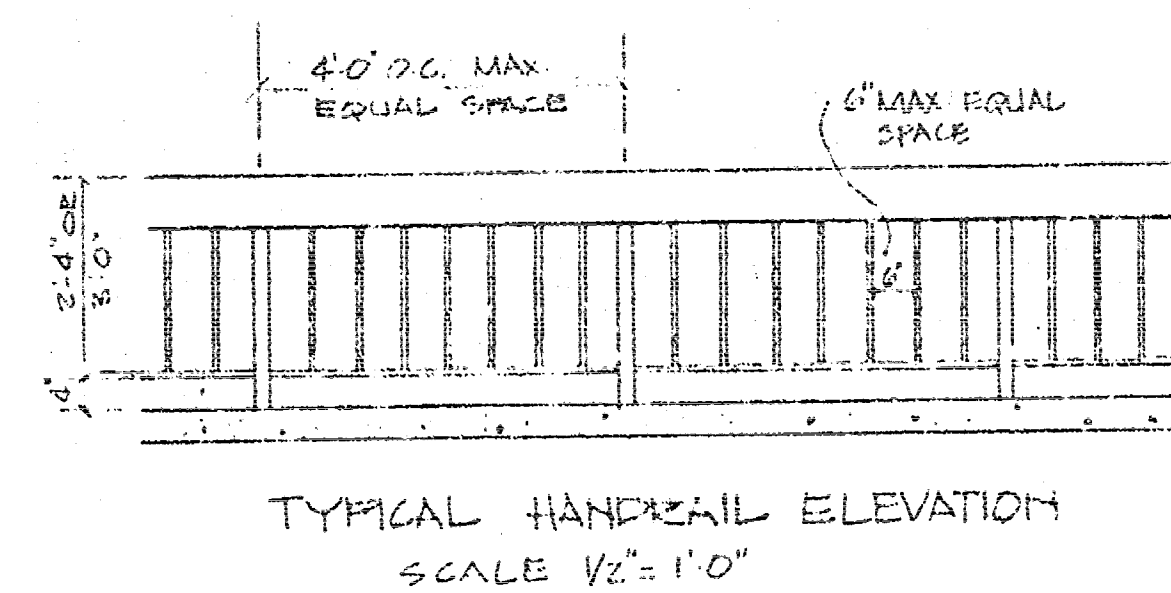
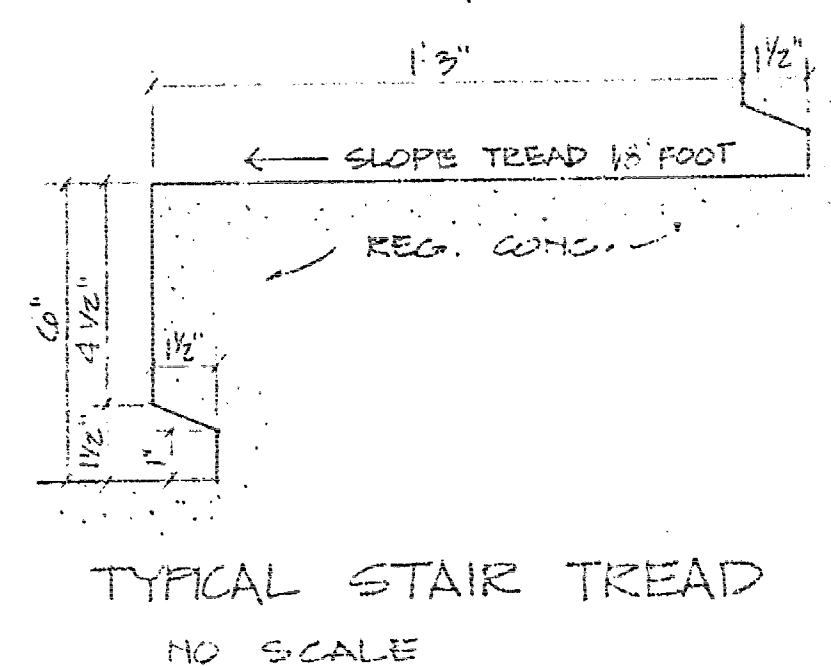
SITE PLAN PLAZA AREA
RIVER DEVELOPMENT WEST BANK
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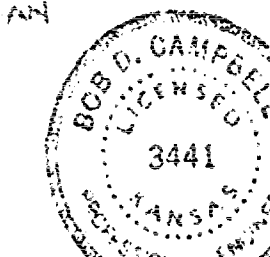
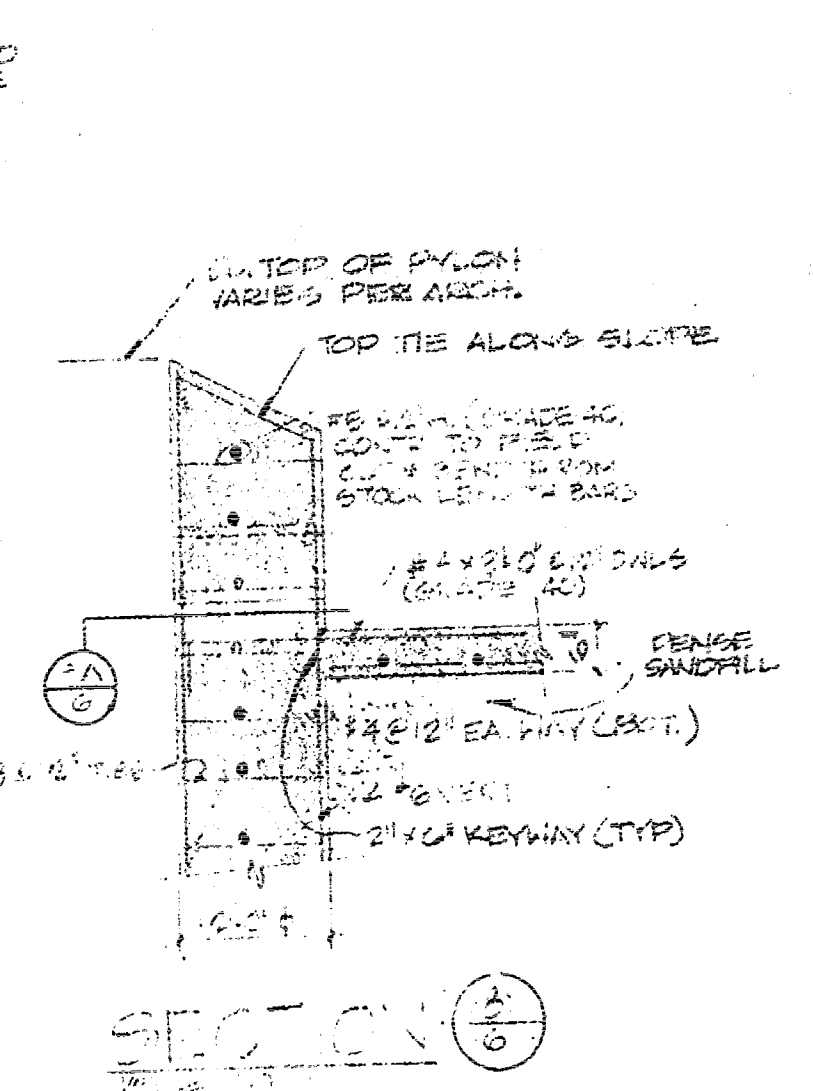
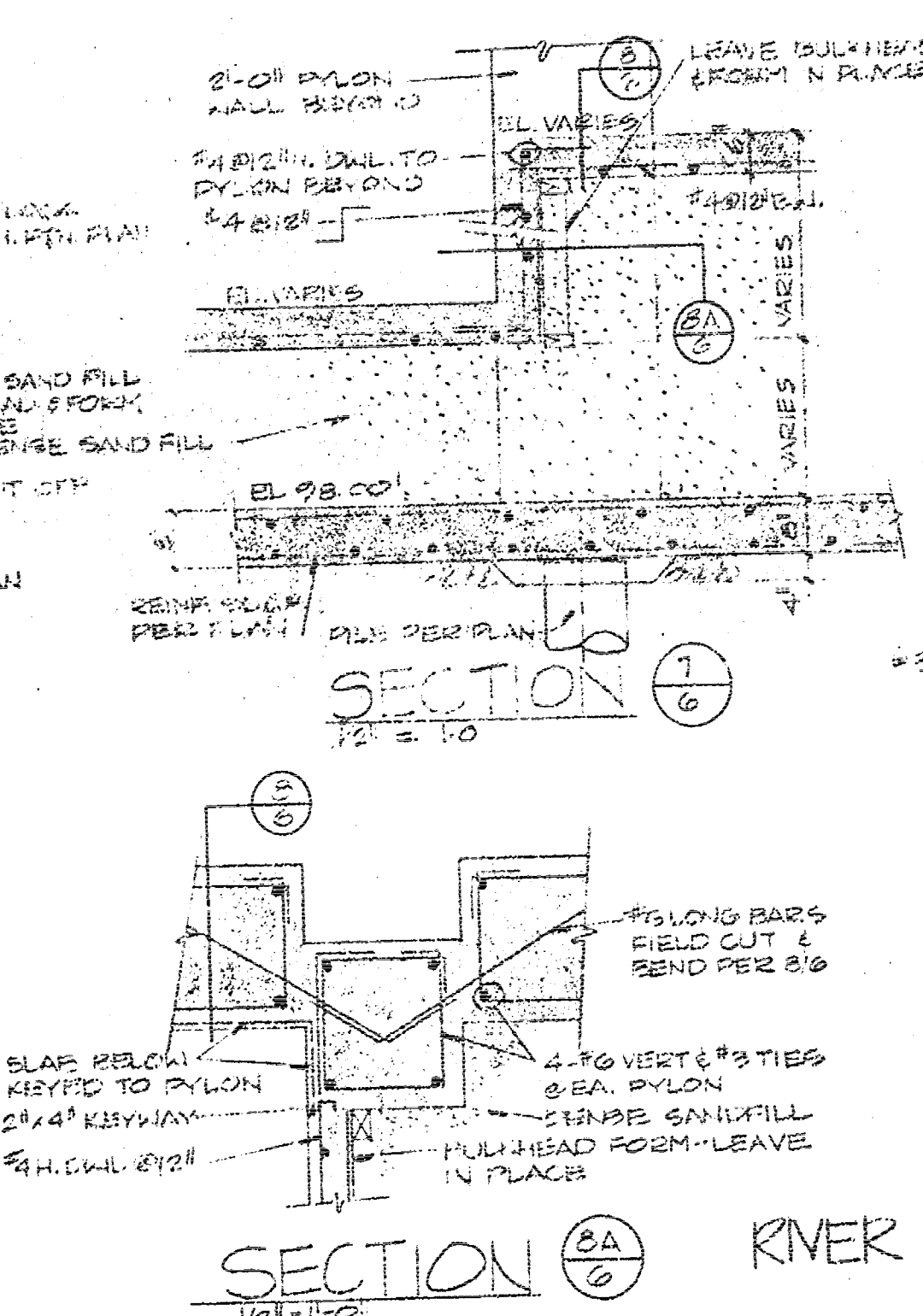
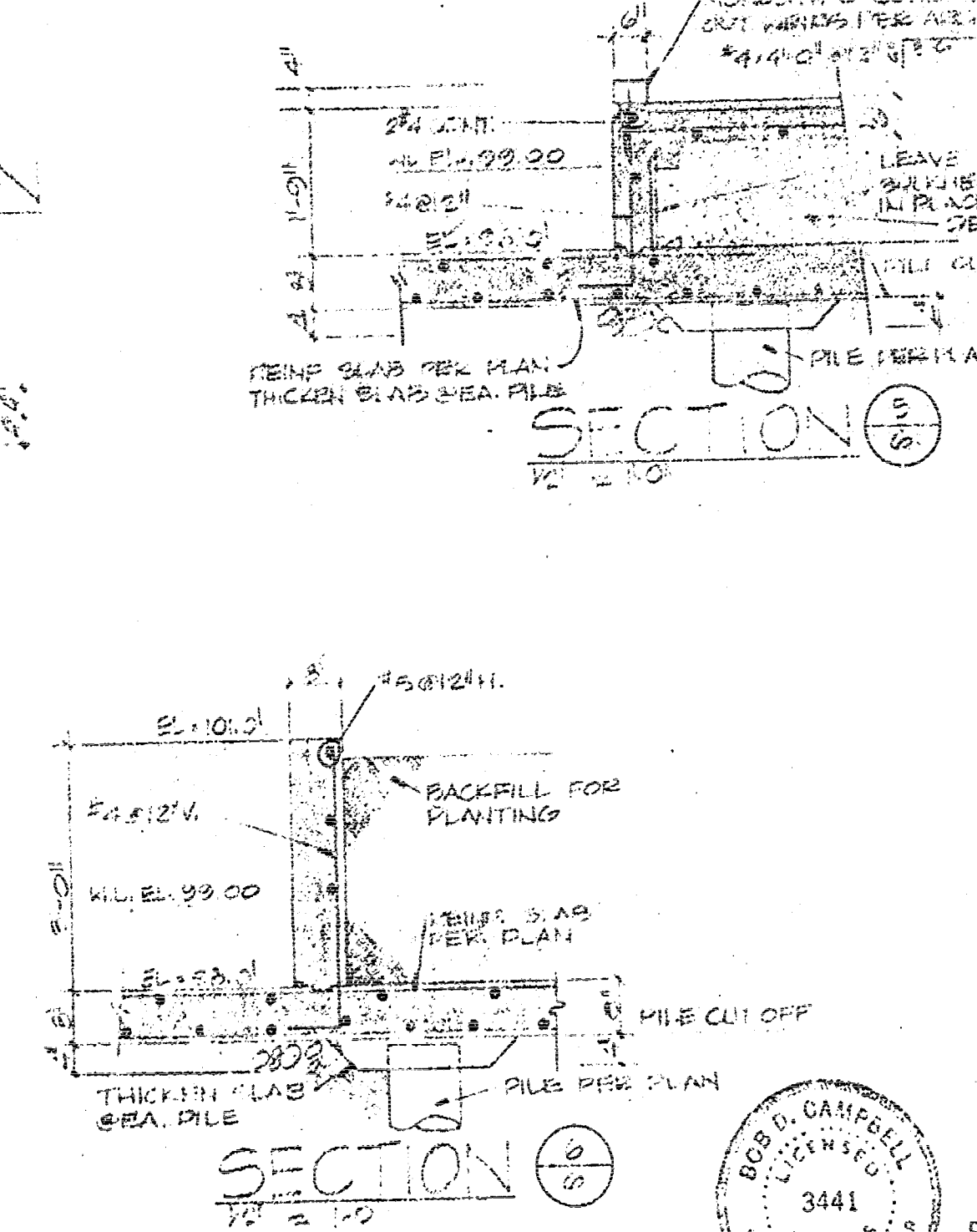
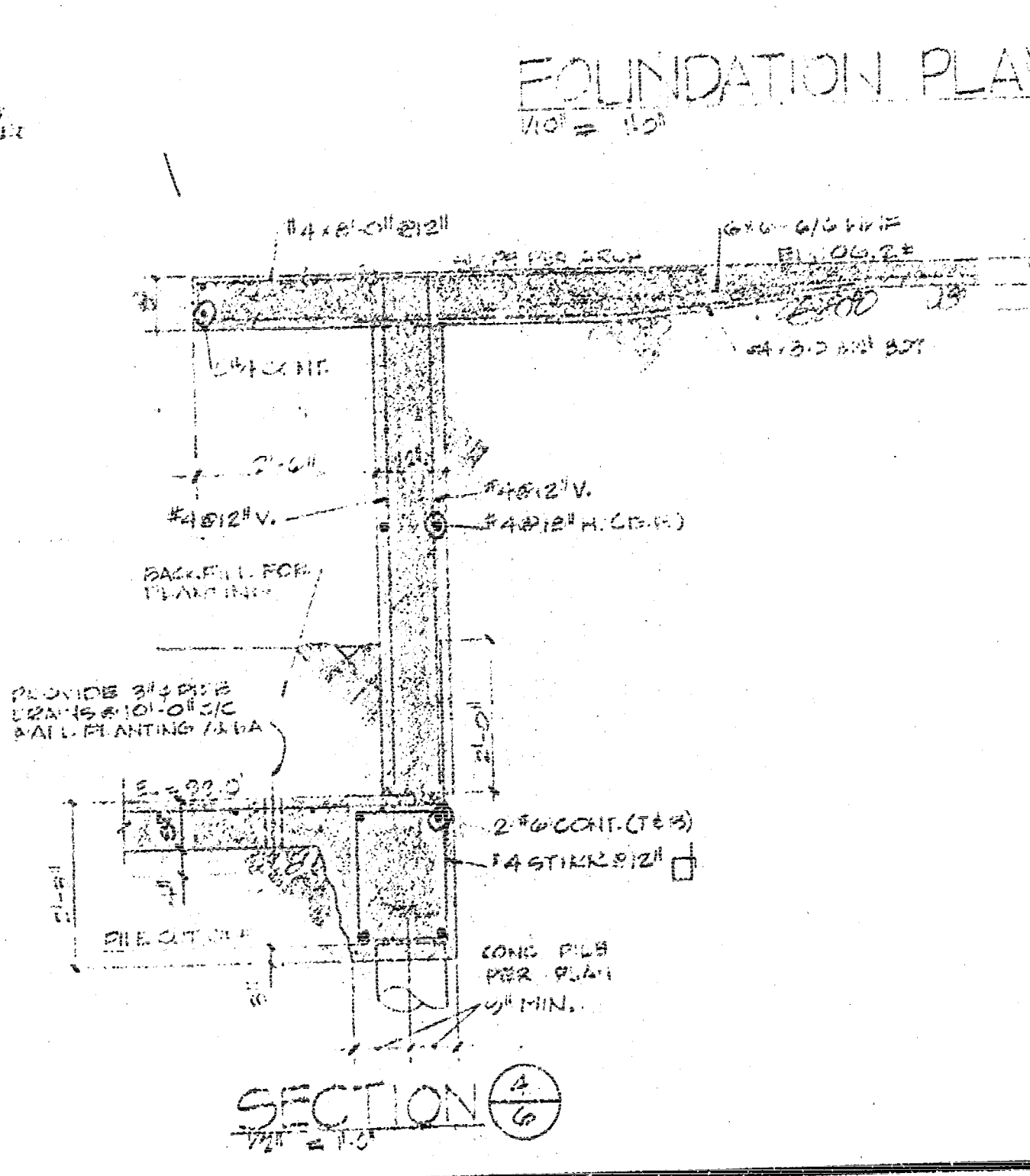
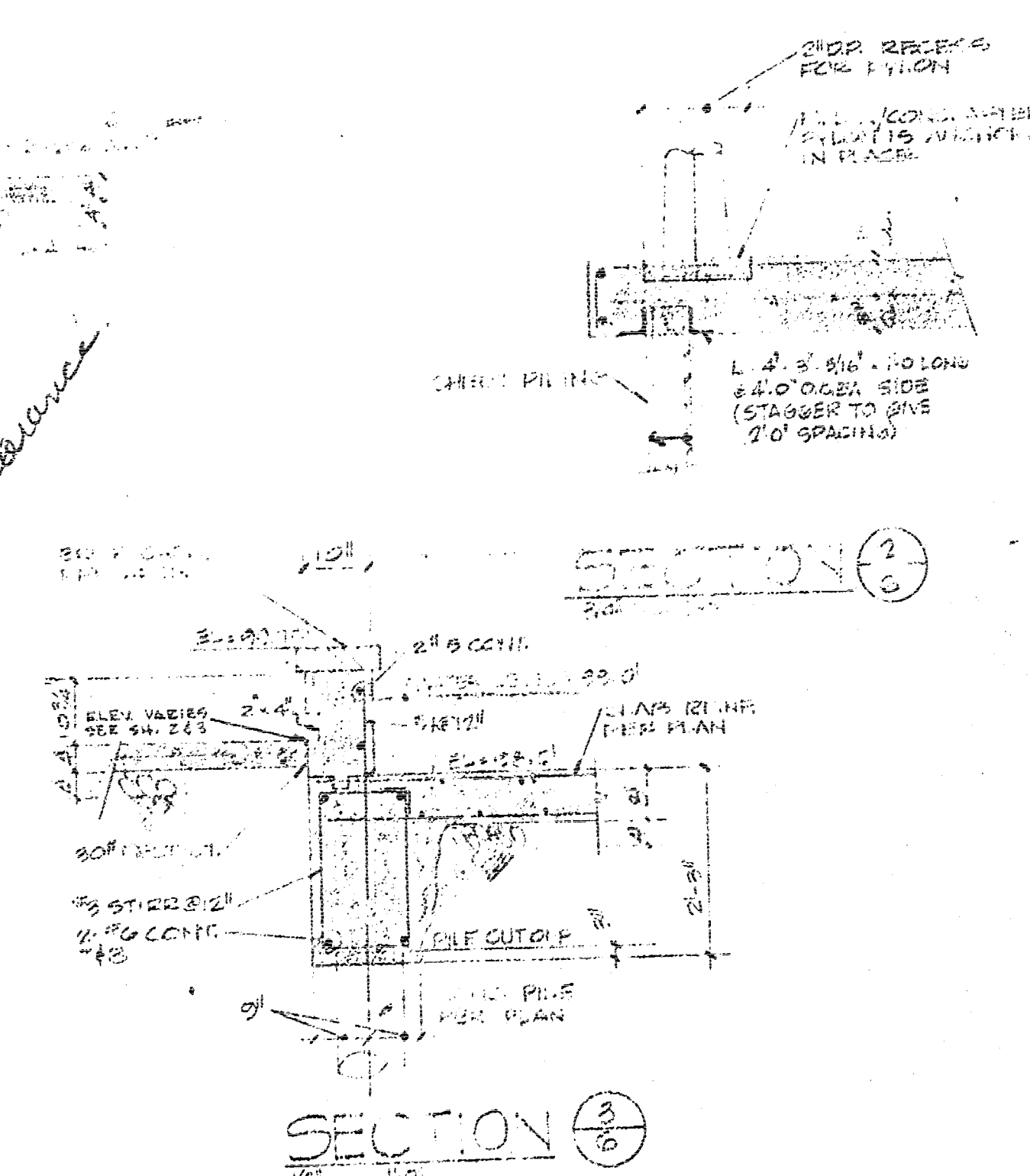
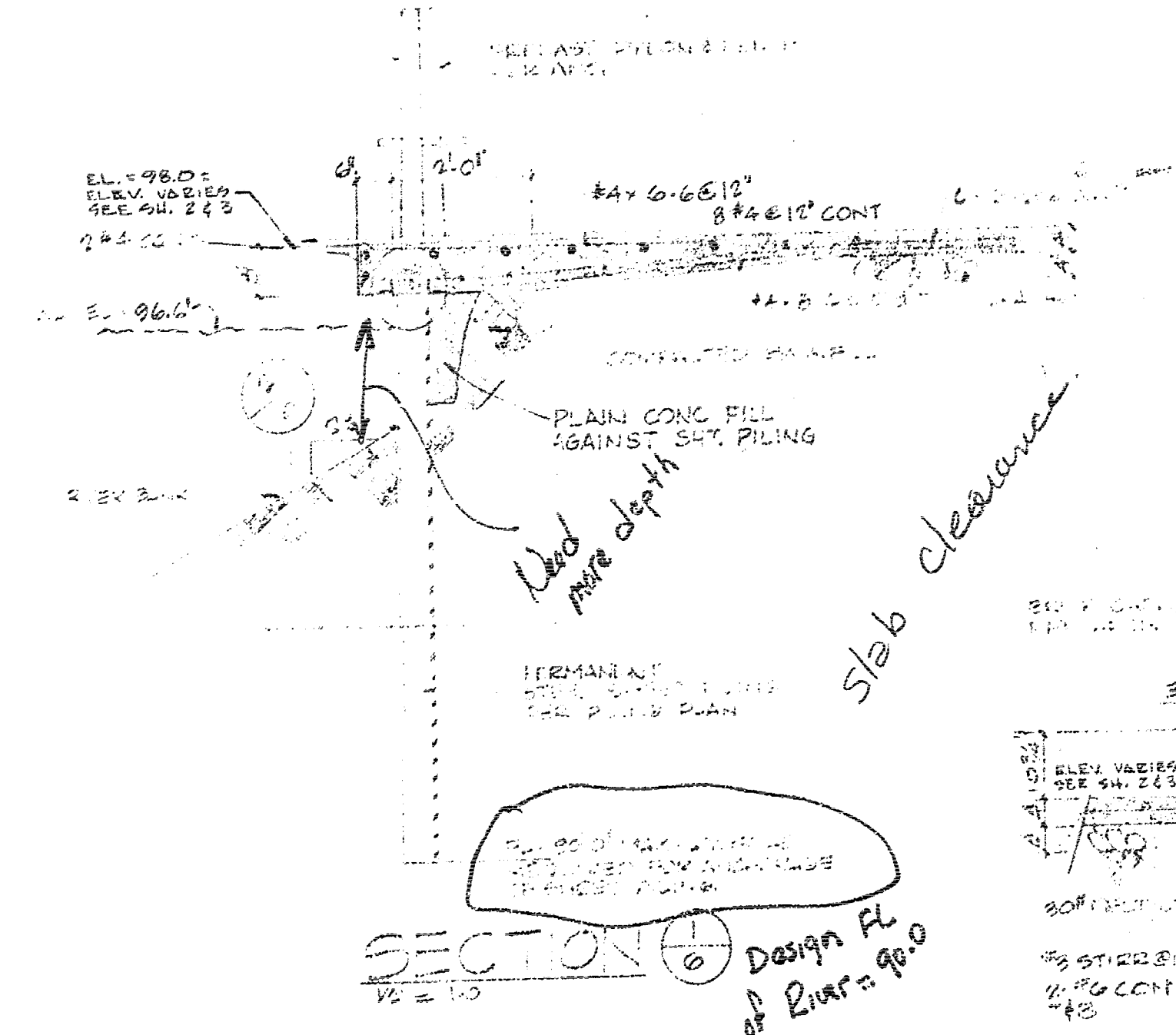
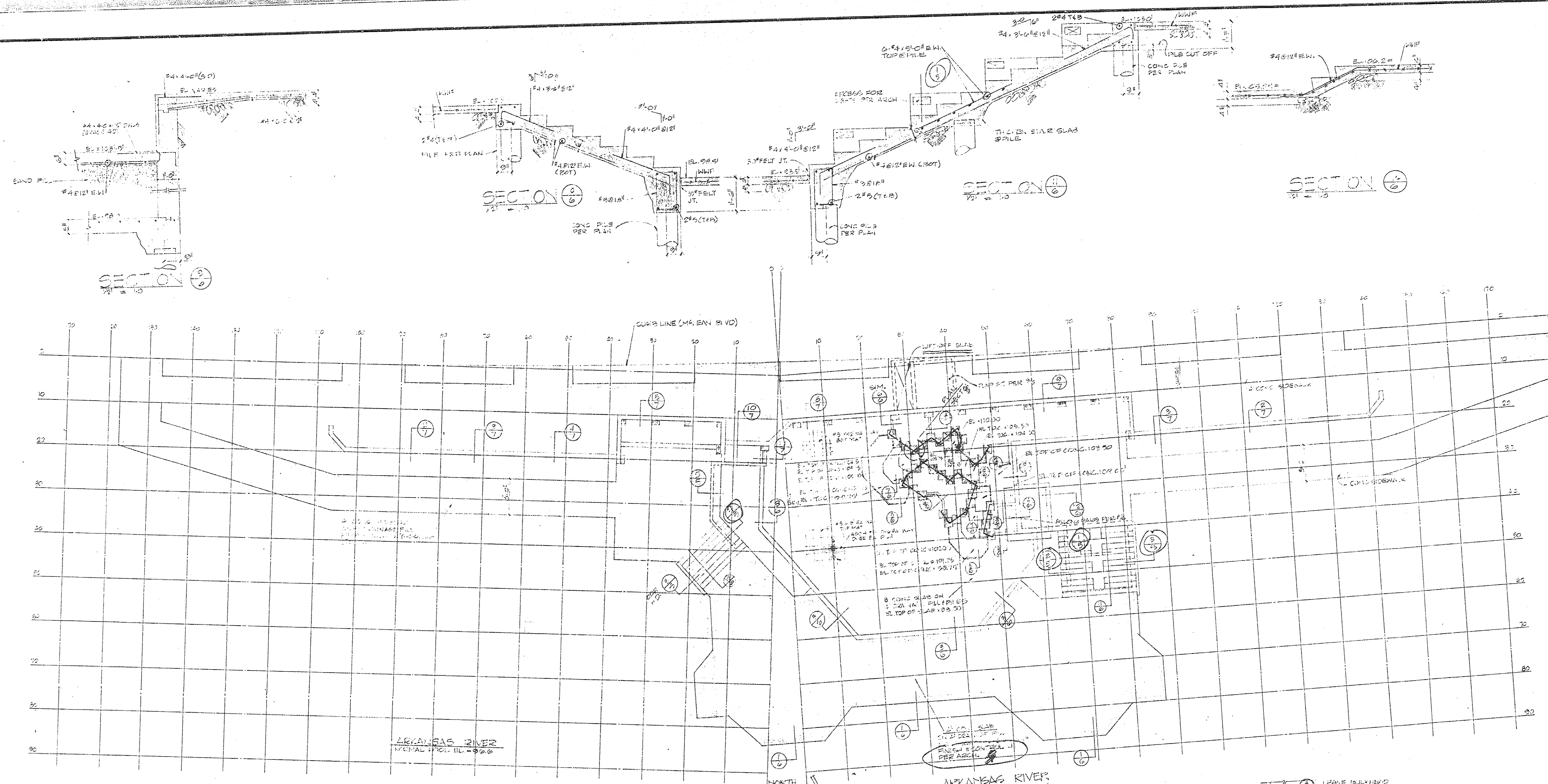
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CONSTRUCTION DETAILS
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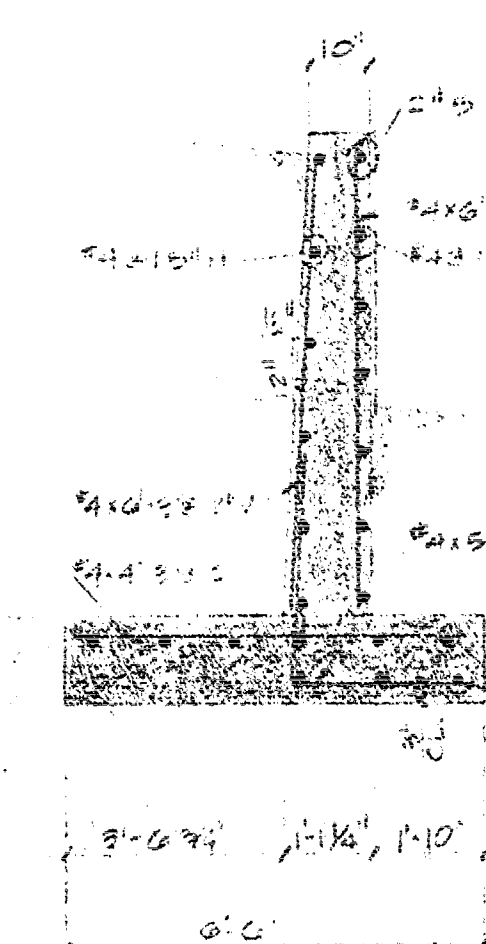
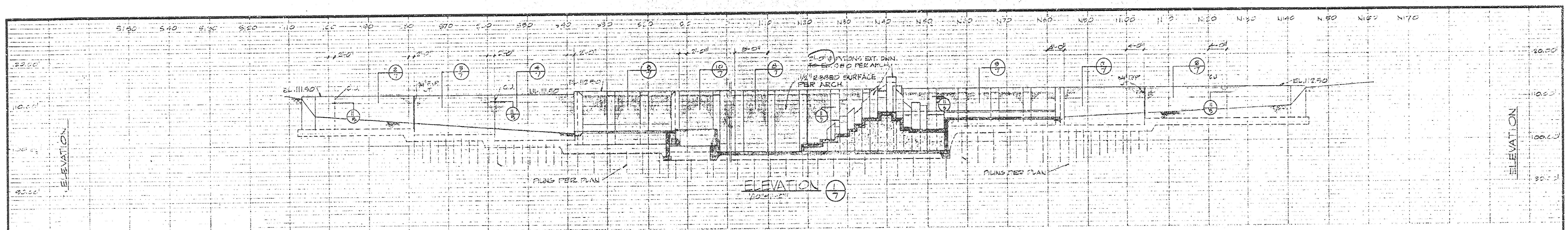


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4338 Bellevue, Kansas City, MO 64111

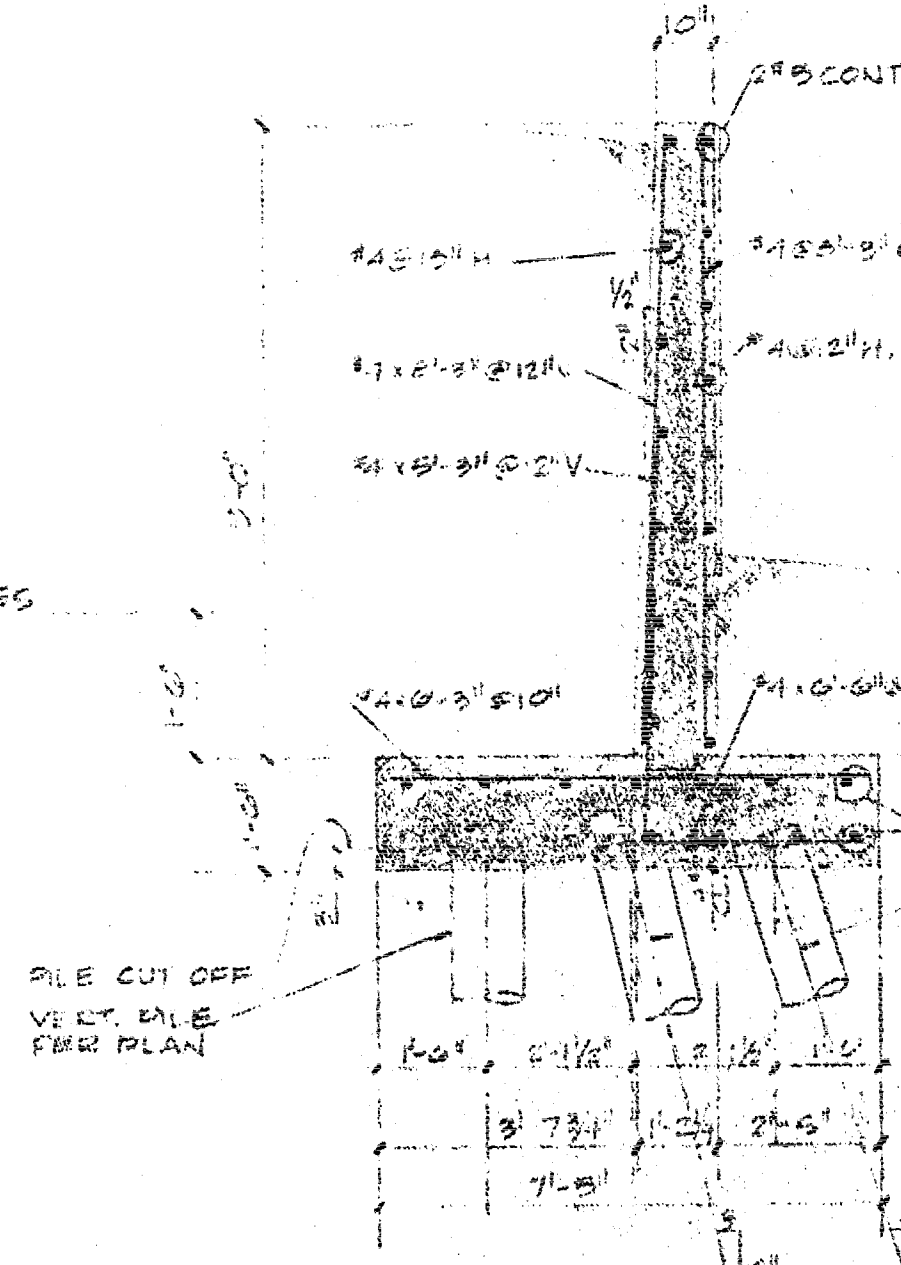
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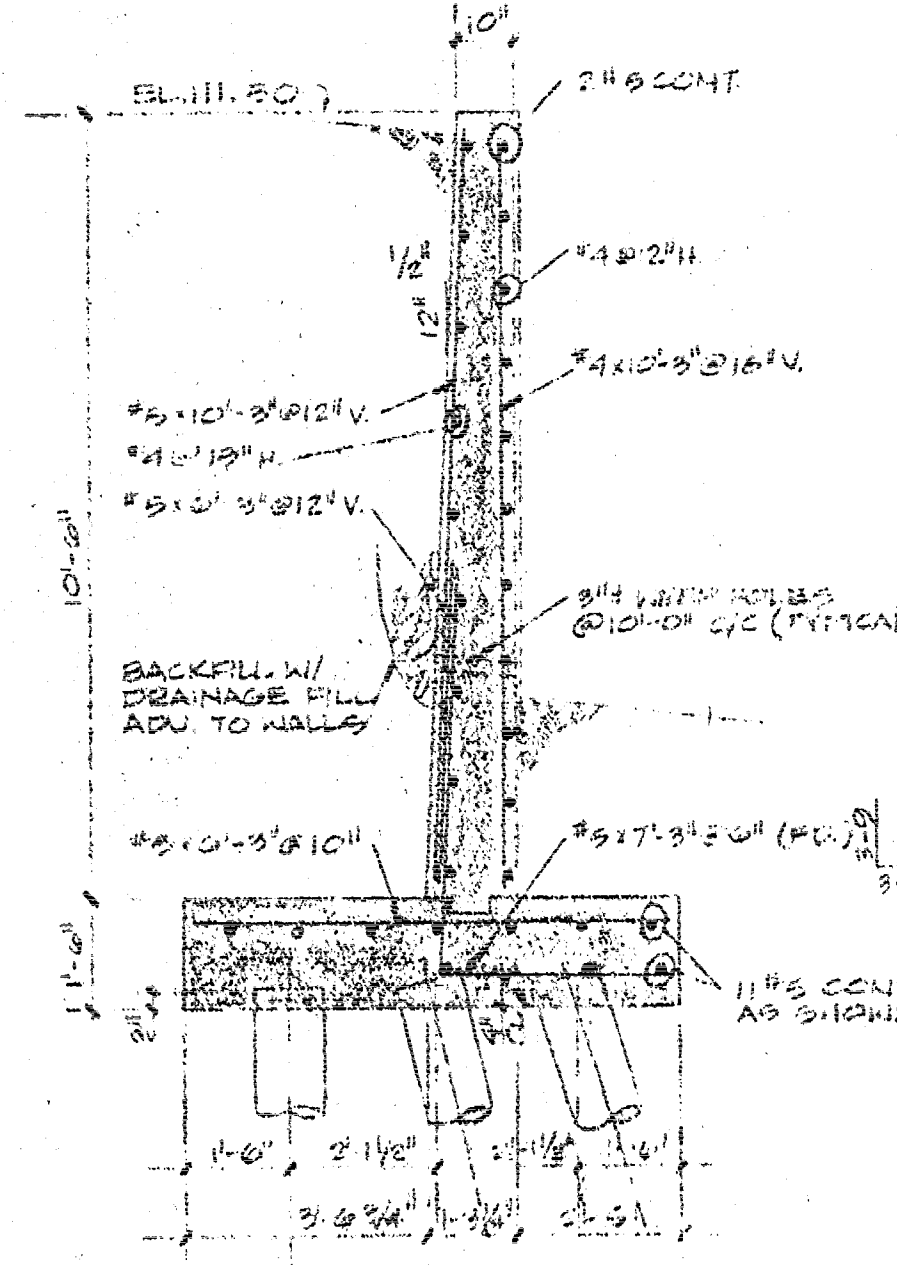
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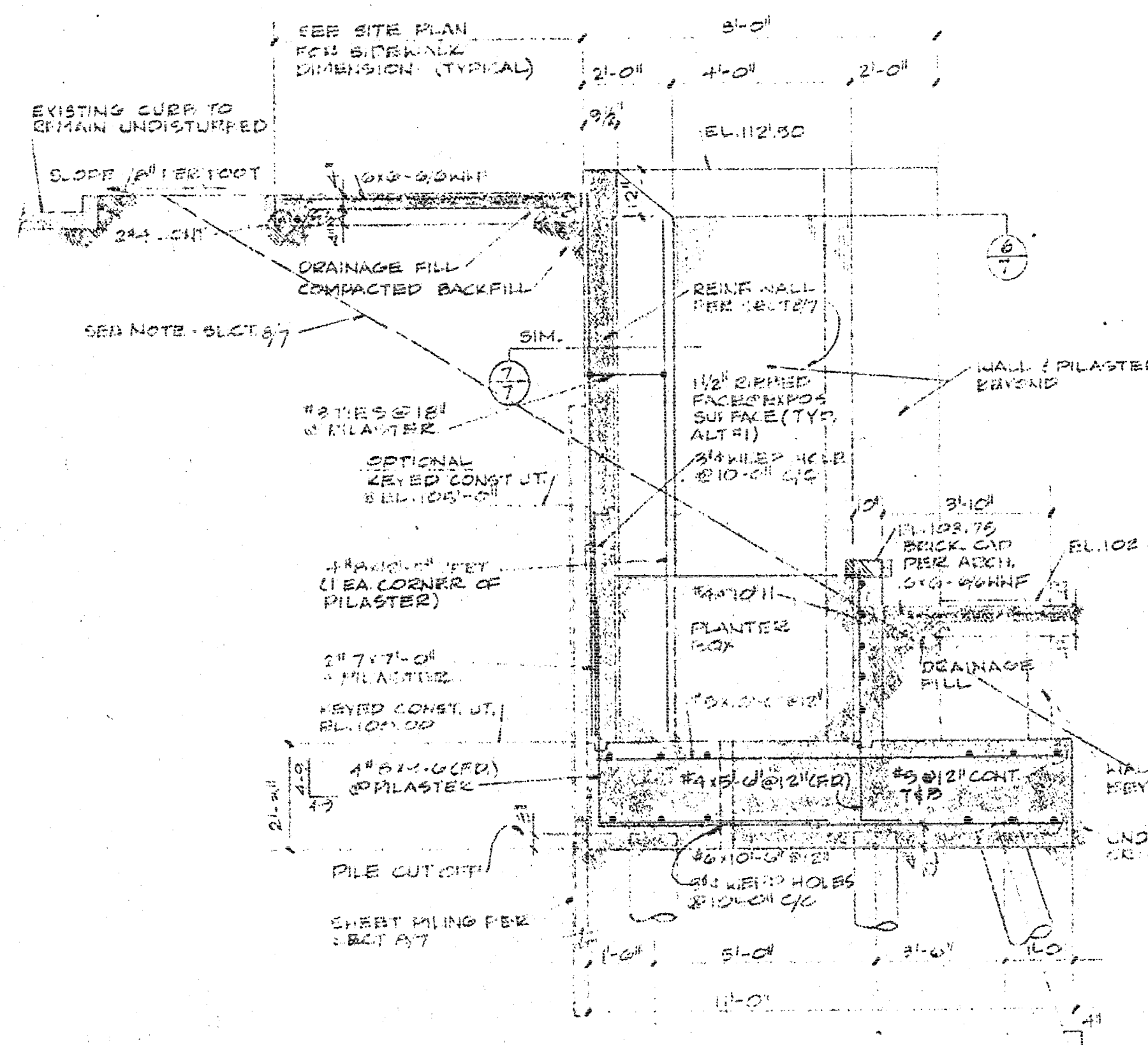
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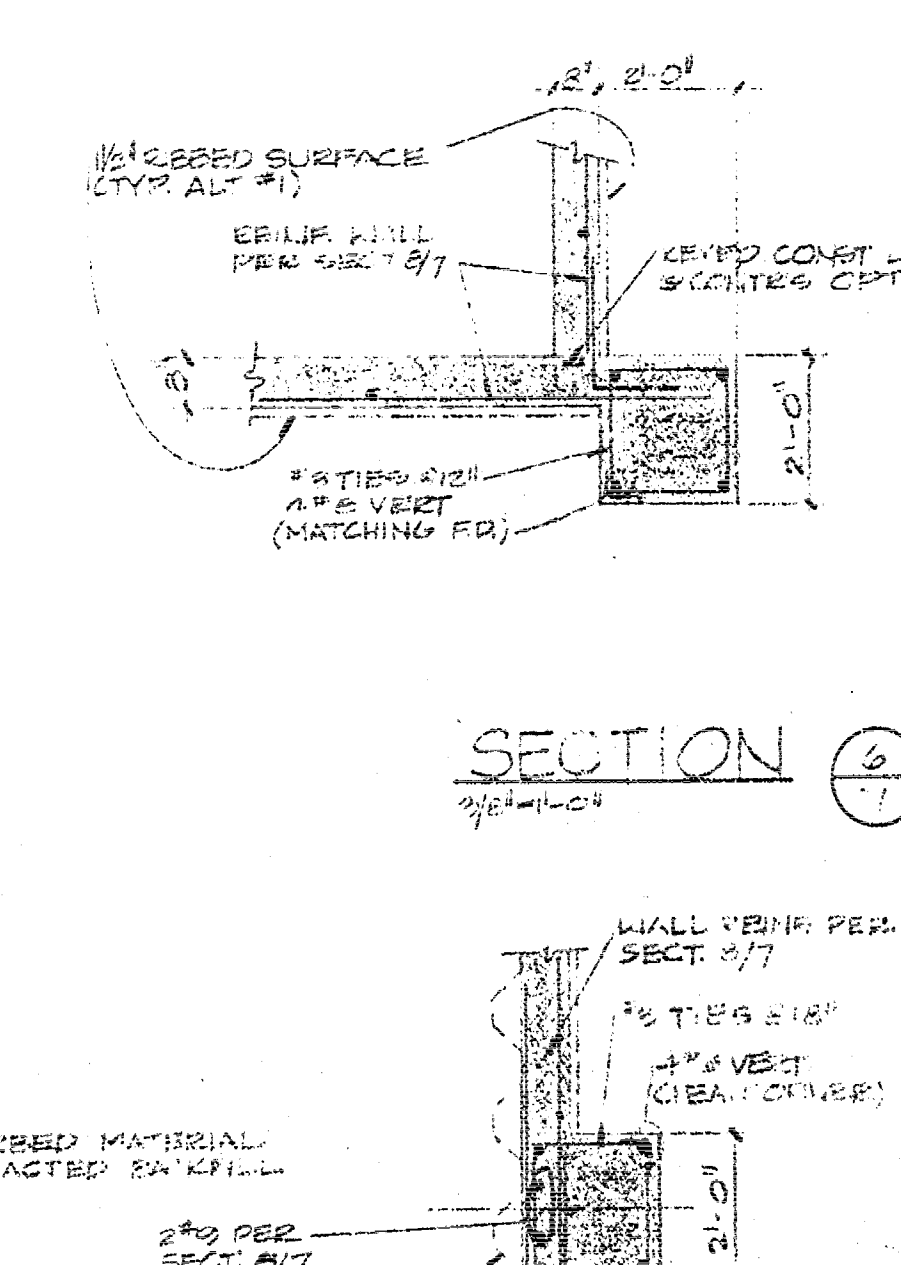
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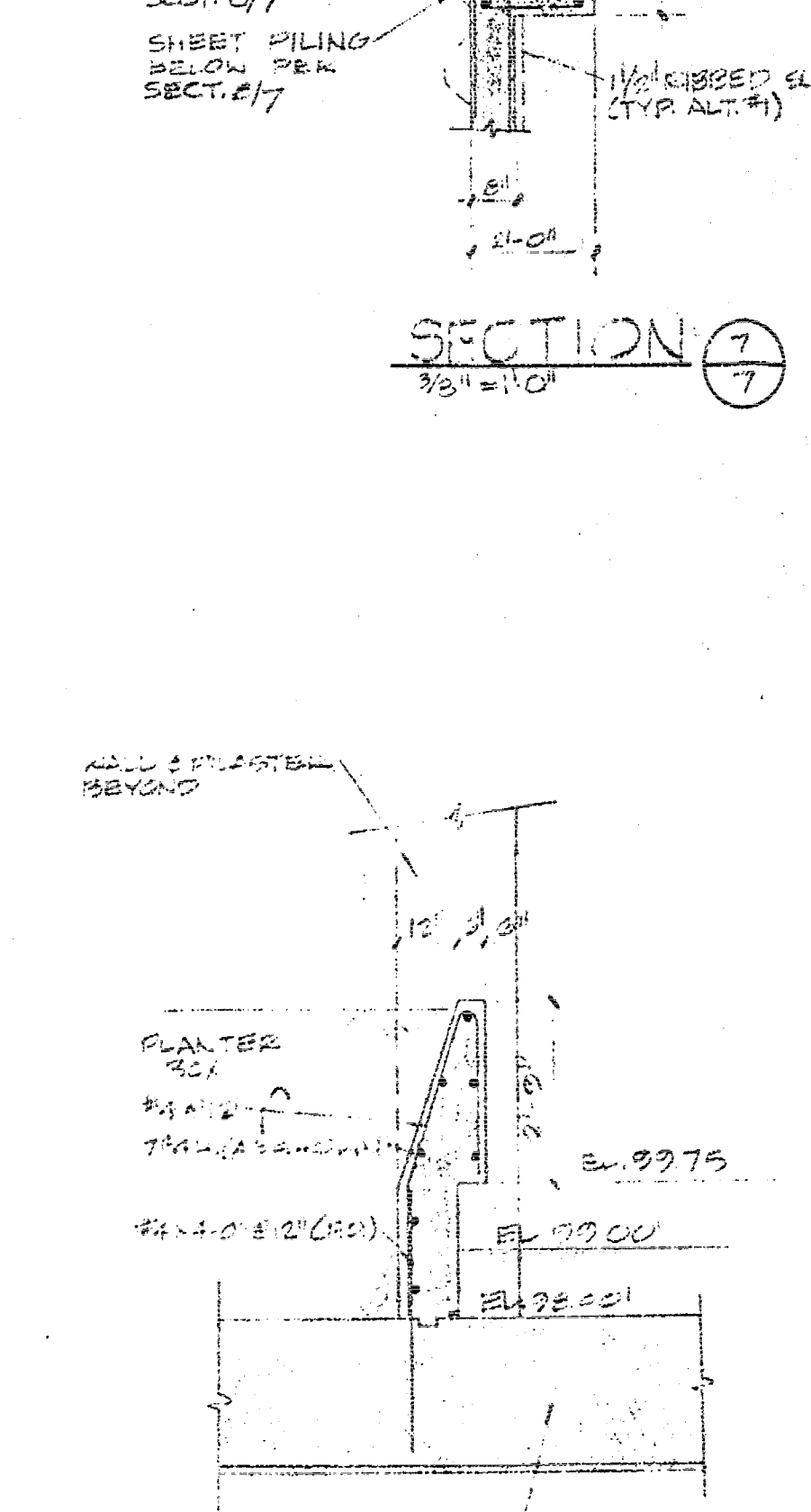
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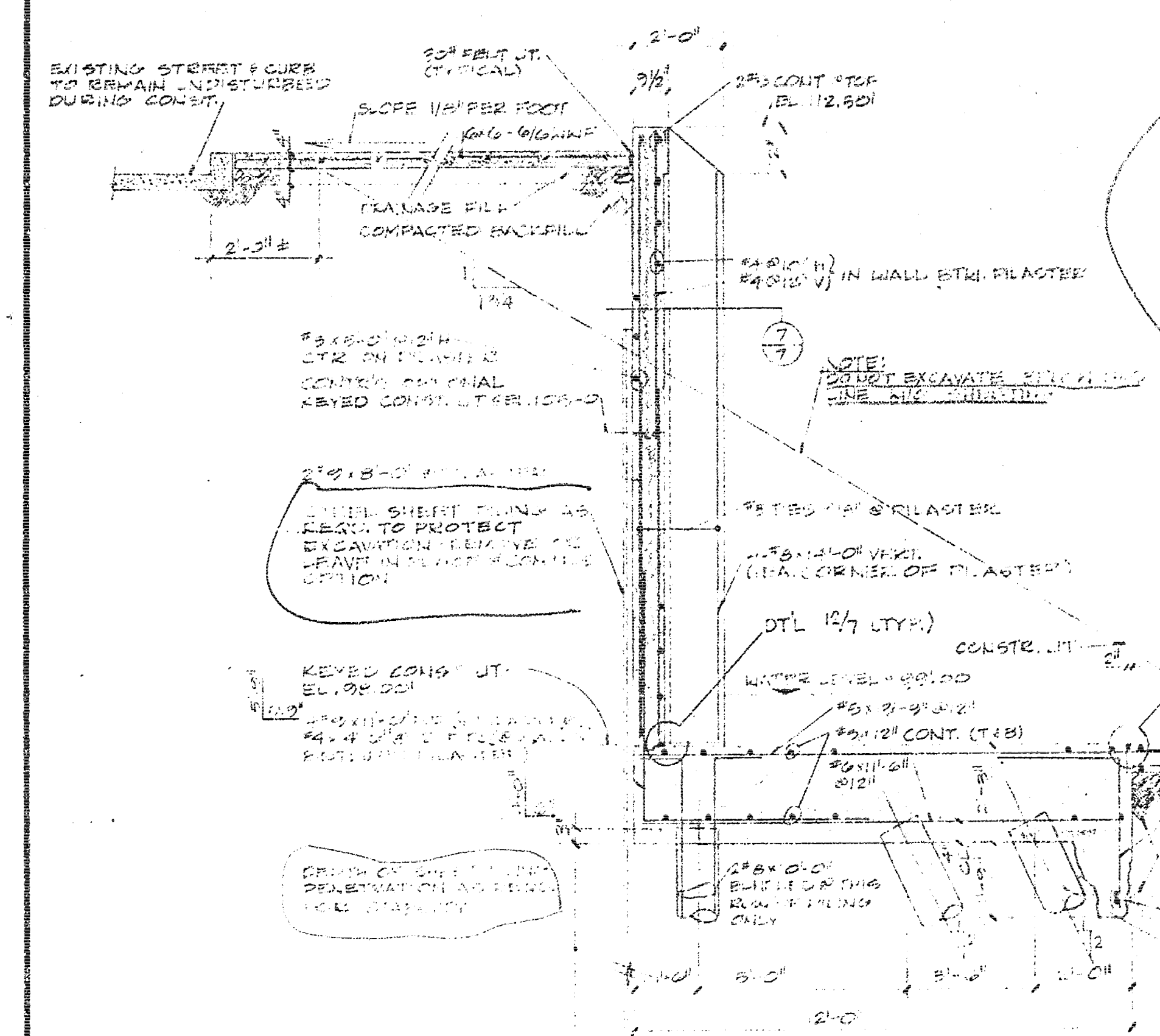
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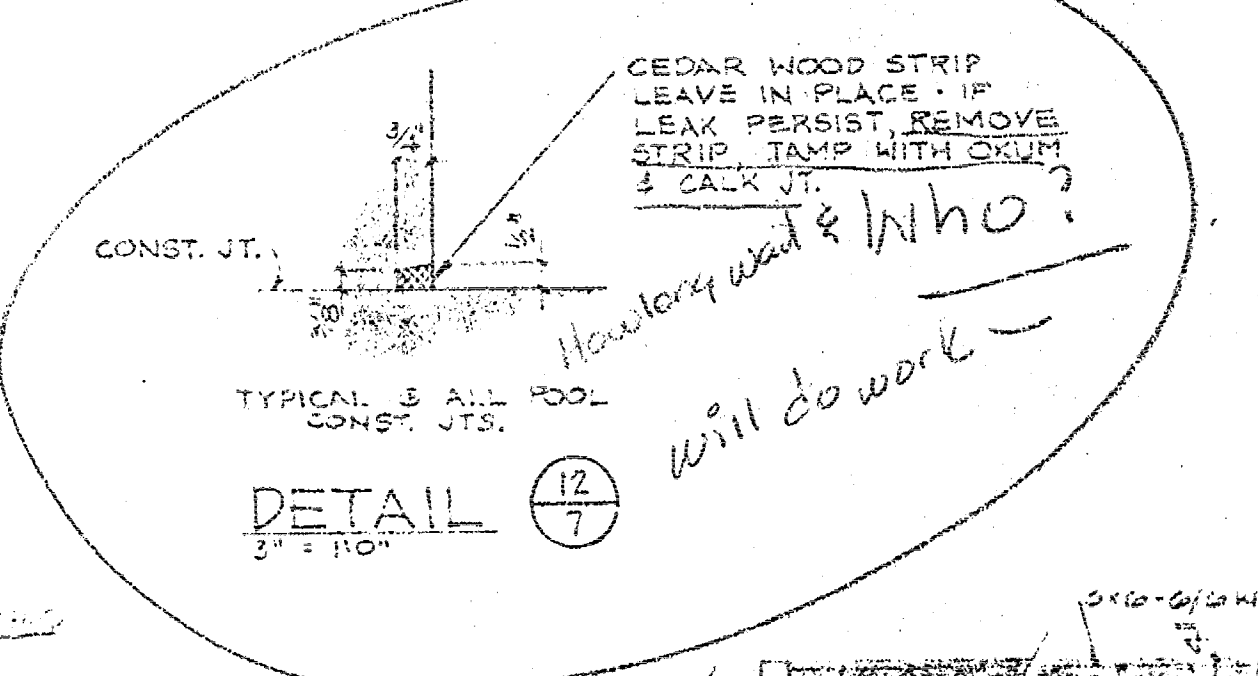
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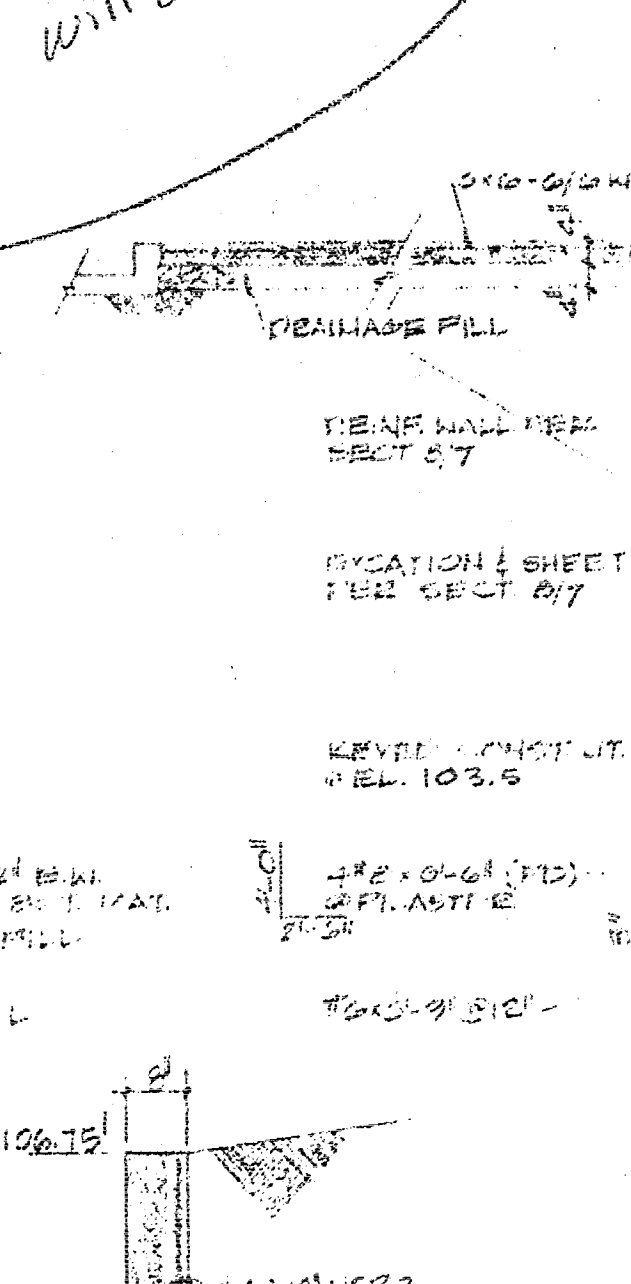
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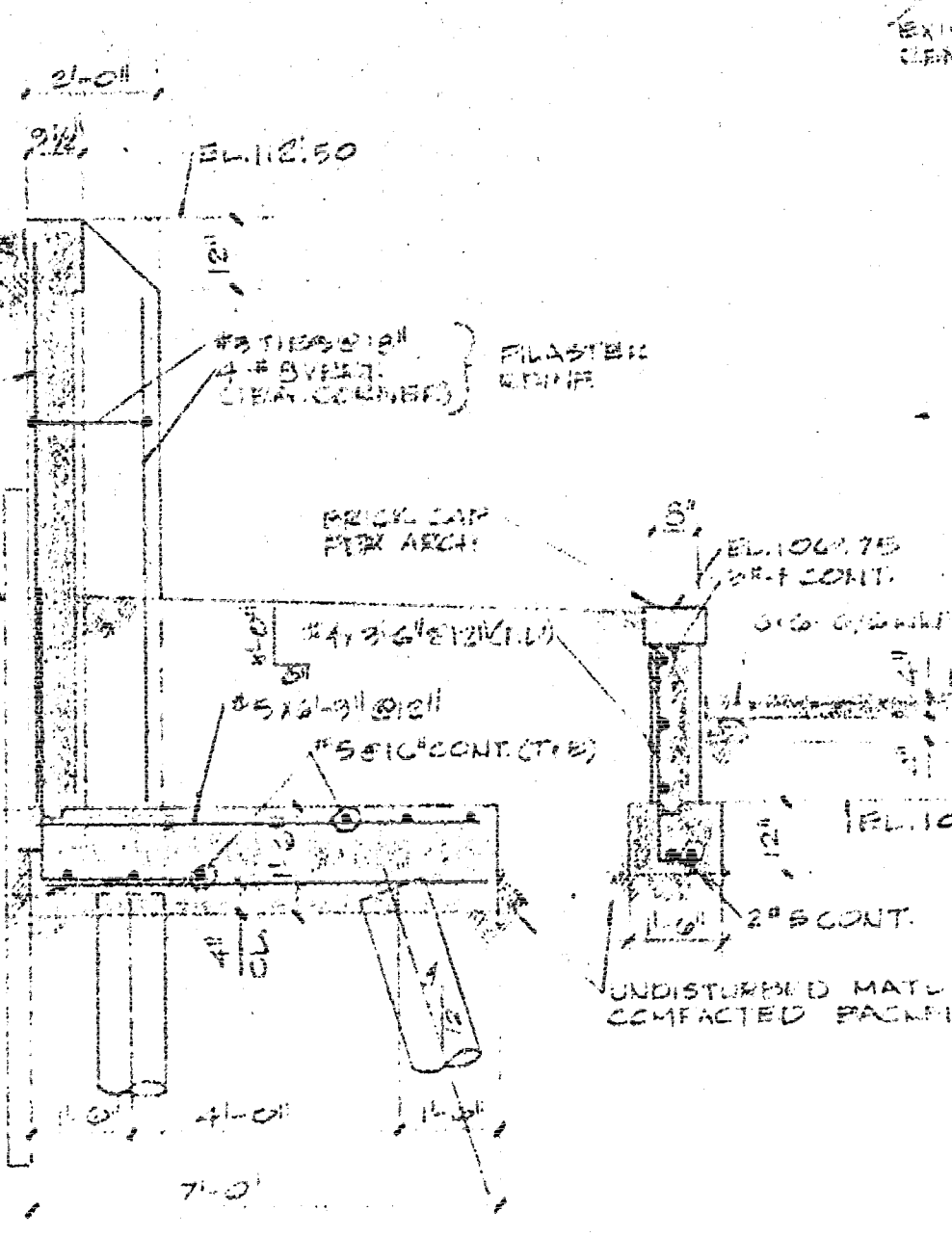
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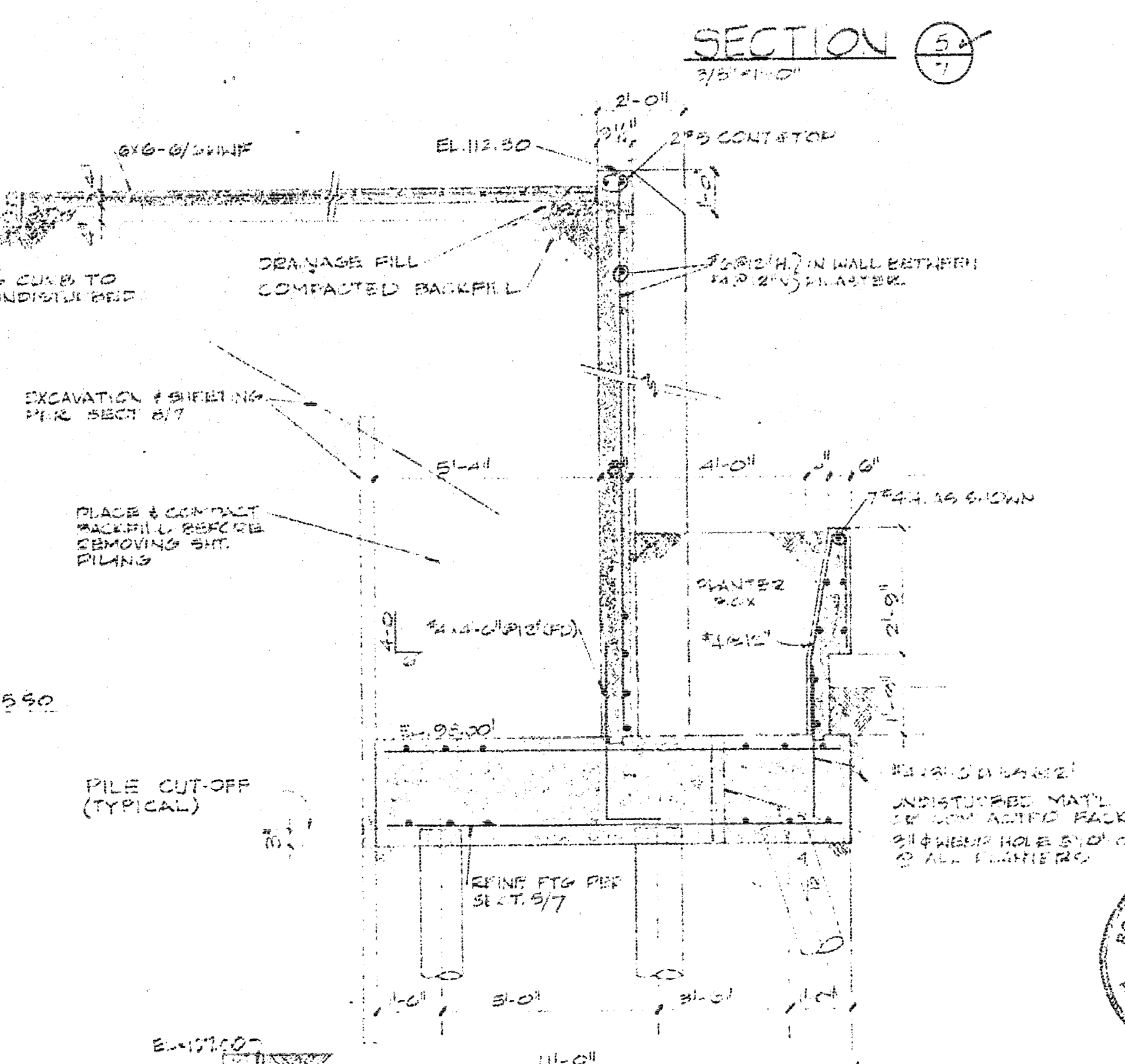
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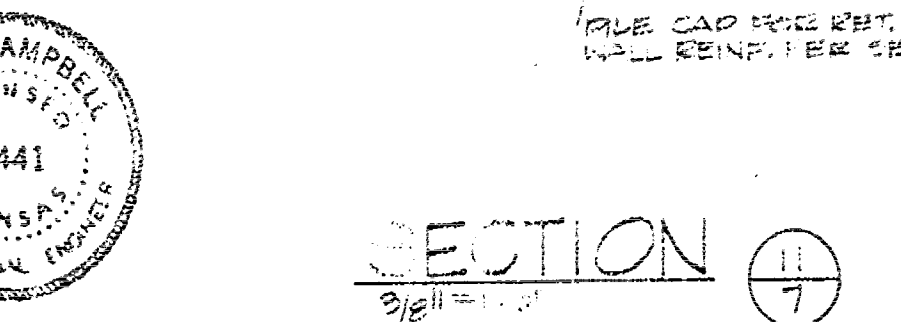
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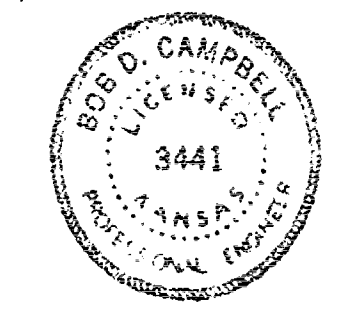
SECTION 10



SECTION 11



SECTION 12



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WALL ELEVATIONS & SECTIONS RIVER DEVELOPMENT WEST BANK

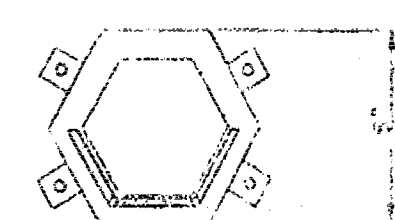
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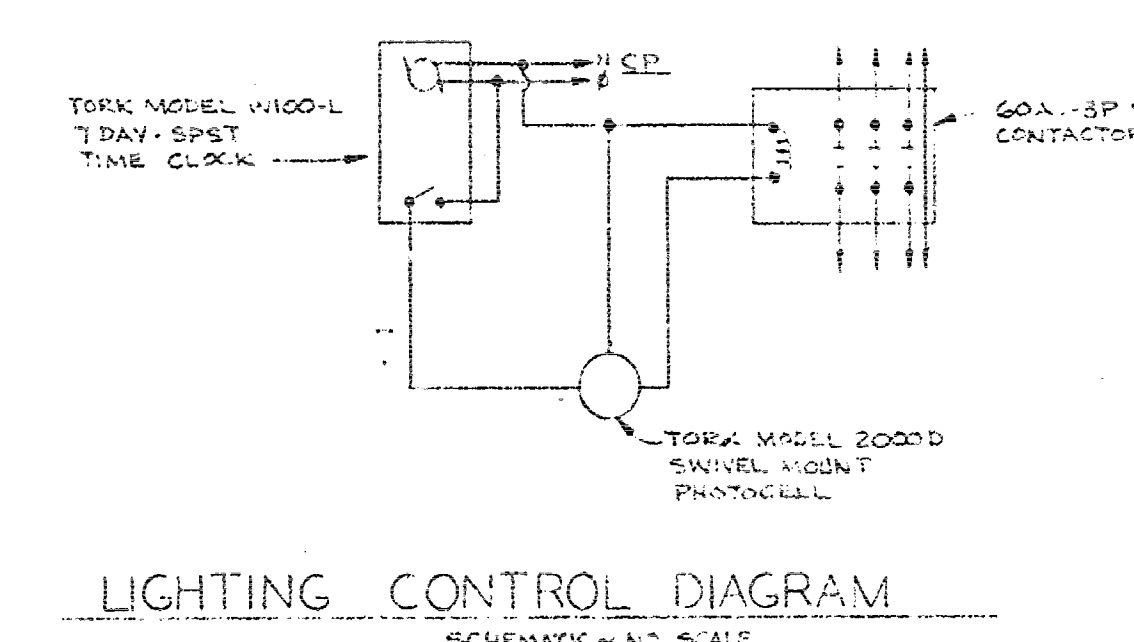


ELECTRICAL SYMBOLS	
SYMBOL	DESCRIPTION
	WIRE RUN OR WIRE - CIRCUITS & CONDUITS IF NUMBER INDICATED
	BRANCH CIRCUIT CONCEALED IN PLUMB
	CIRCUIT END LEAVING ROOM AT THIS POINT
	FINISHED
	2 GANG SWITCH & CONVENIENCE OUTLET
	MOTOR CONNECTIONS IF WATERSPOUSE
	DISCONNECT SWITCH
	MOTOR STARTER
	JUNCTION BOX
	THERMOSTAT
	HUB/DISTAT
	REMOVE PLUMB
N.P.	WEATHER PROOF

MAIN LINE		LOCATION		PUMP ROOM		MTG SURFACE	
WIRE 100A		BUS 100A		VOLTS 120/208		PHASE 3Ø WIRE FOUR	
FEEDER		KVA 4 =				TYPE NLAB	
		WATTS		BULBET DRYDOWN		WATTS	
		A	B	C	ECT. BURE'S 201P	BULBET DRYDOWN	A
POOL LTG.	900			✓ 1		2 ✓	
"	900			✓ 3		4 ✓	
"	900			✓ 4		5 ✓	
WALK LTG.	500			✓ 7		8 ✓	
POOL LTS.	300			✓ 9		10 ✓	
WALK LTS.	500			✓ 11		12 ✓	
POOL LTS.	1000			✓ 13		14 ✓	
"	1000			✓ 15		16 ✓	
SPARK ONLY				✓ 17		18 ✓	
				✓ 19		20 ✓	
				✓ 21		22 ✓	
				✓ 23		24 ✓	
TOTAL WATTS 340	2400				5100		2700
TOTAL WATTS 150	2200				4300		2700
TOTAL WATTS 50					1550		
TOTAL					15450		

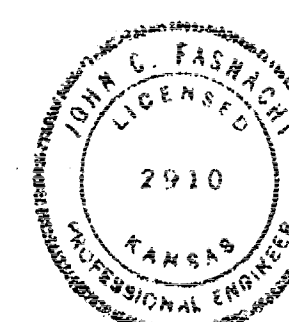


Hand-drawn technical drawing of a bridge pier and abutment. The drawing shows a cross-section of a pier with a central column and two side columns, all supported by a base. The pier is labeled "PIER" and the abutment is labeled "ABUTMENT". The drawing includes dimensions and notes such as "SHEETS 4/10 FOR BASE SECTIONS" and "BASE GRADE".



ELECTRICAL PLAN PLAZA AREA
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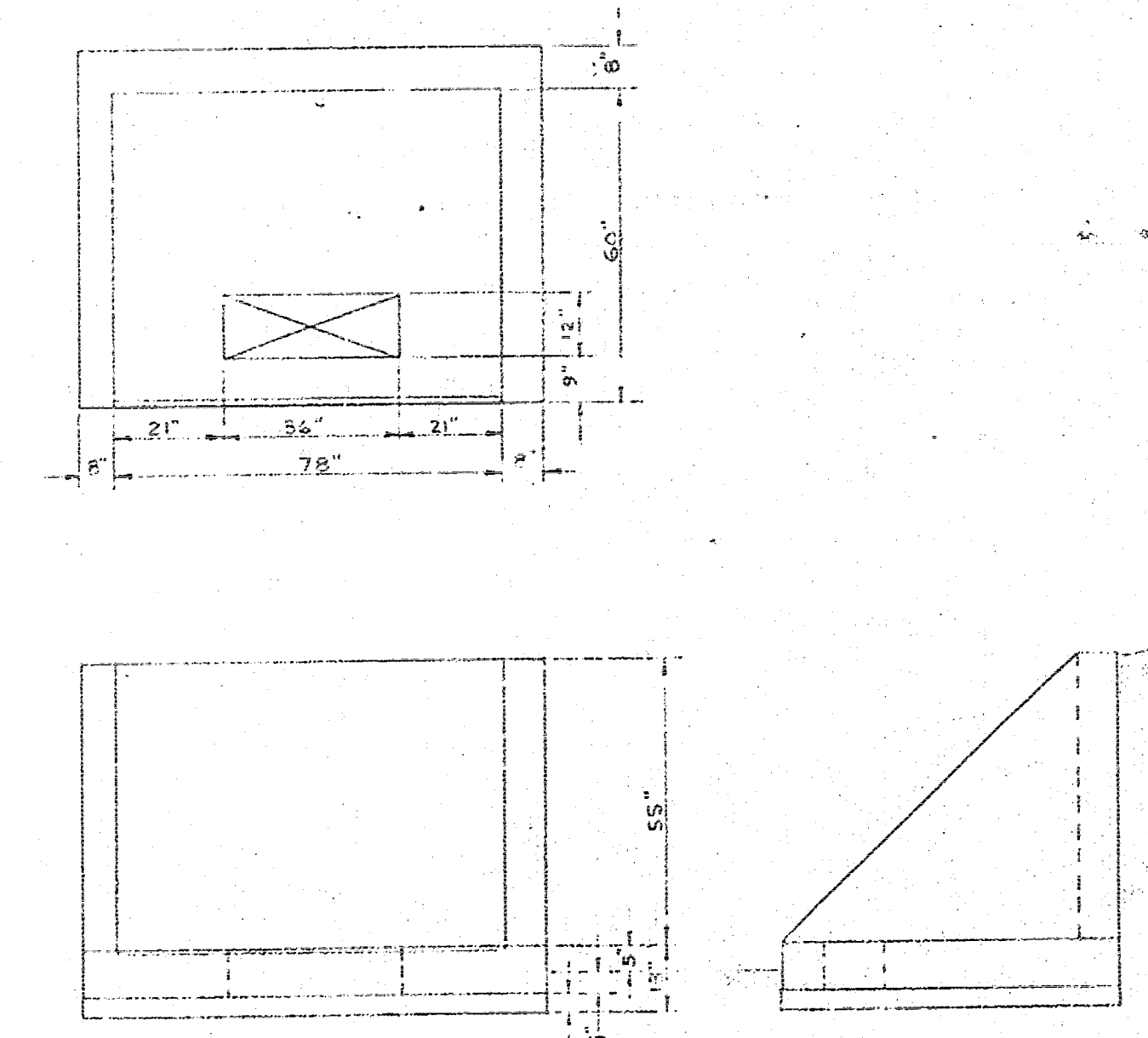
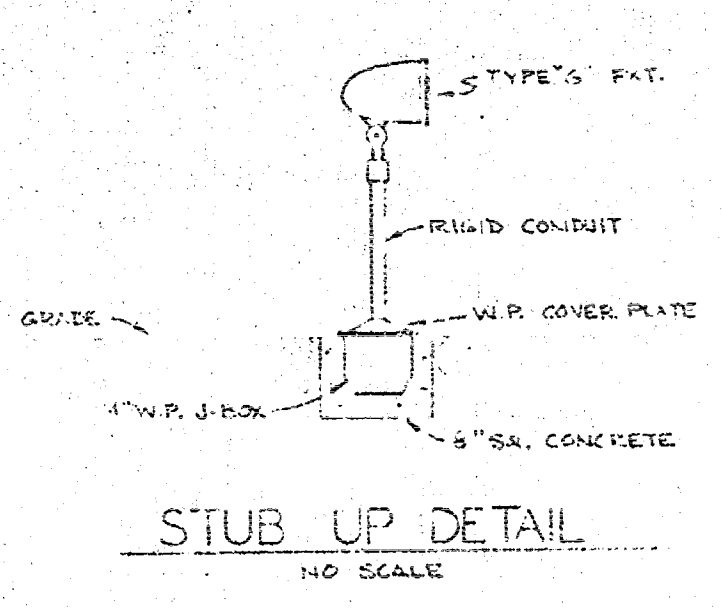
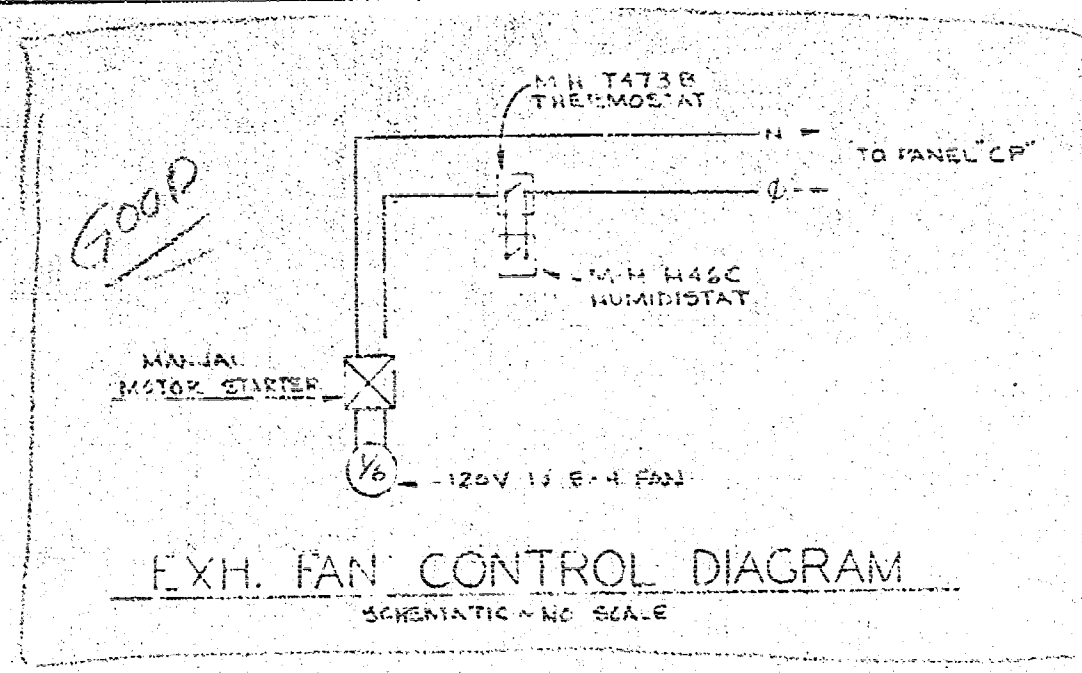
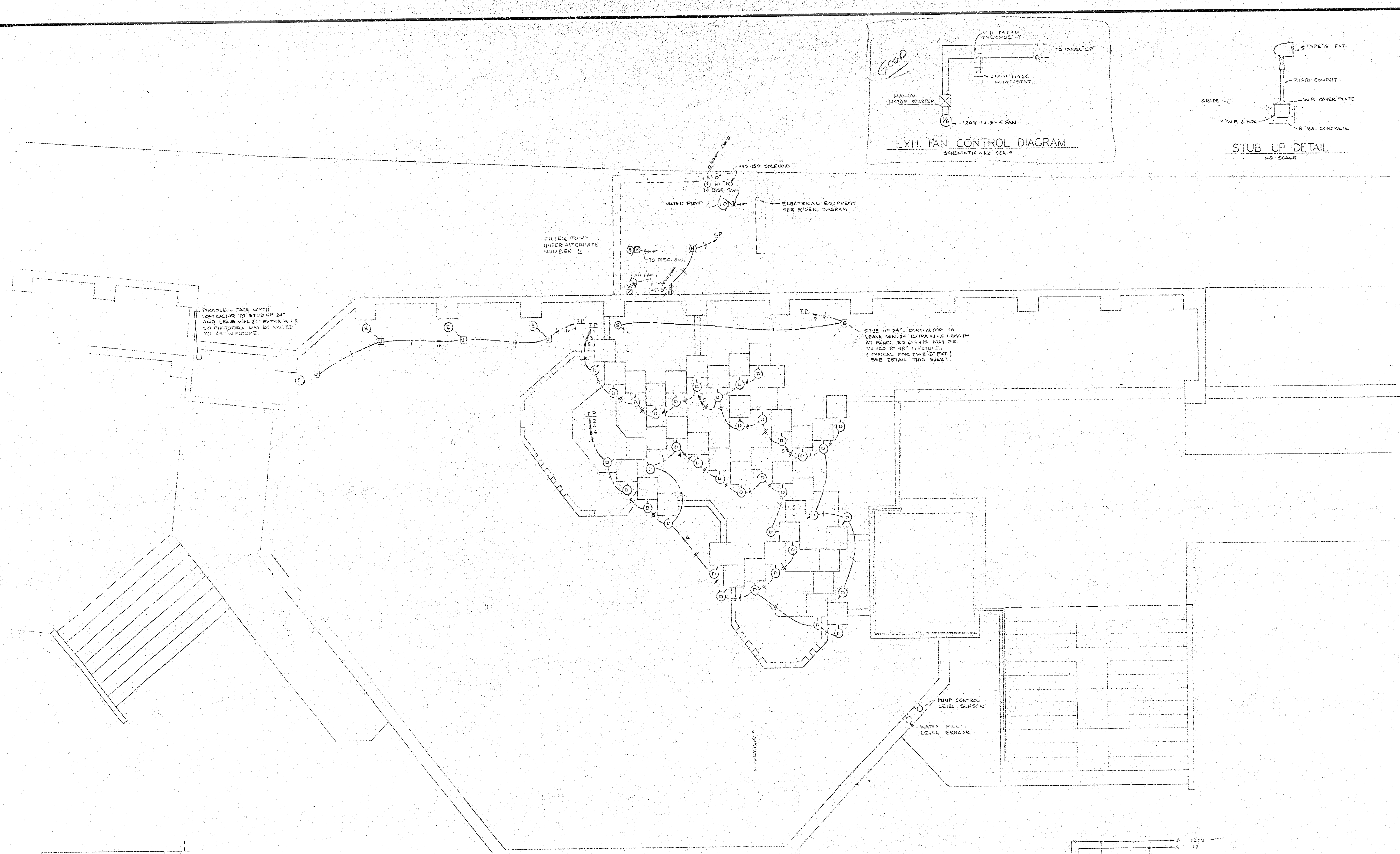
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KANSAS CITY, MO. 64112
916-531-8915



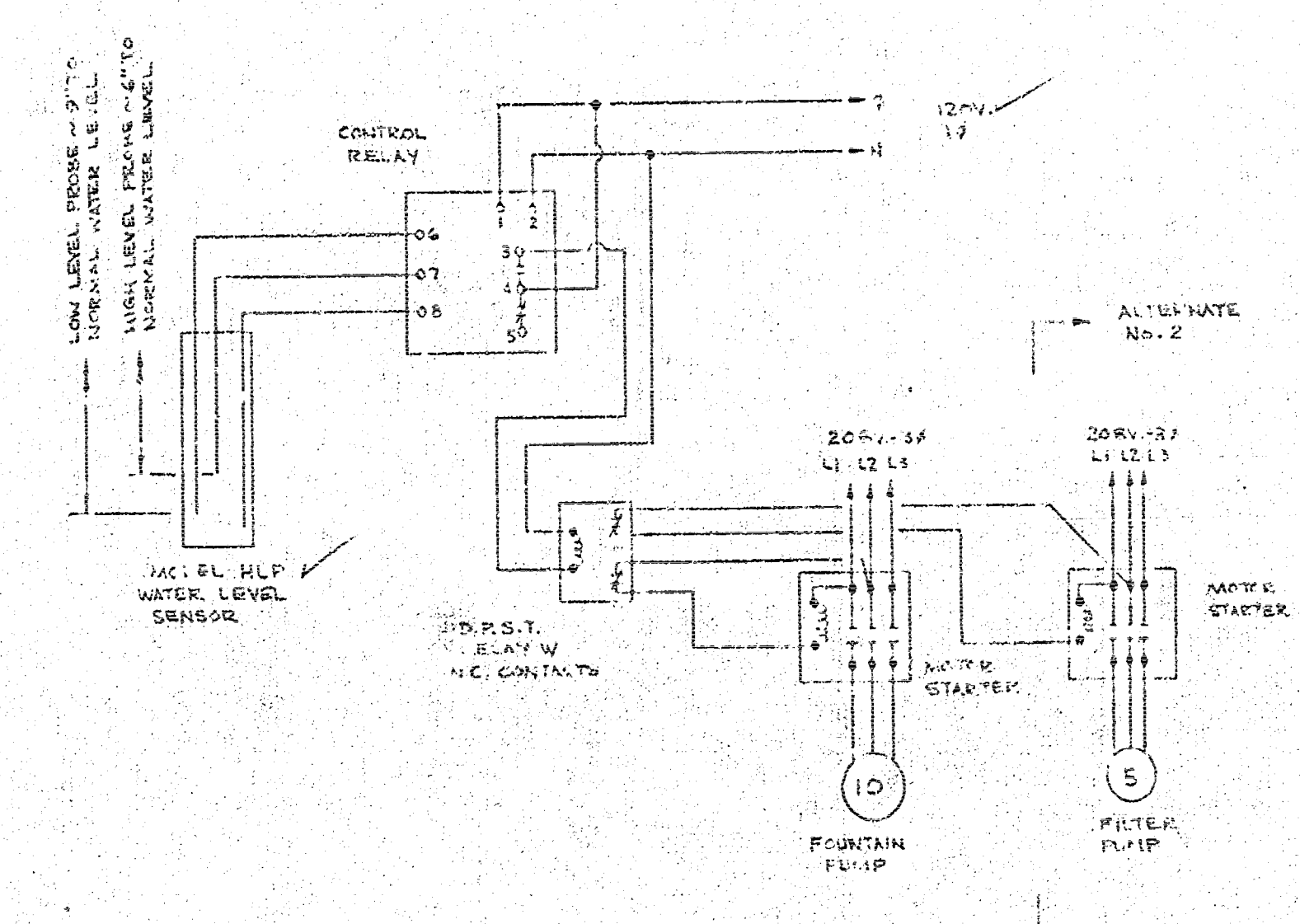
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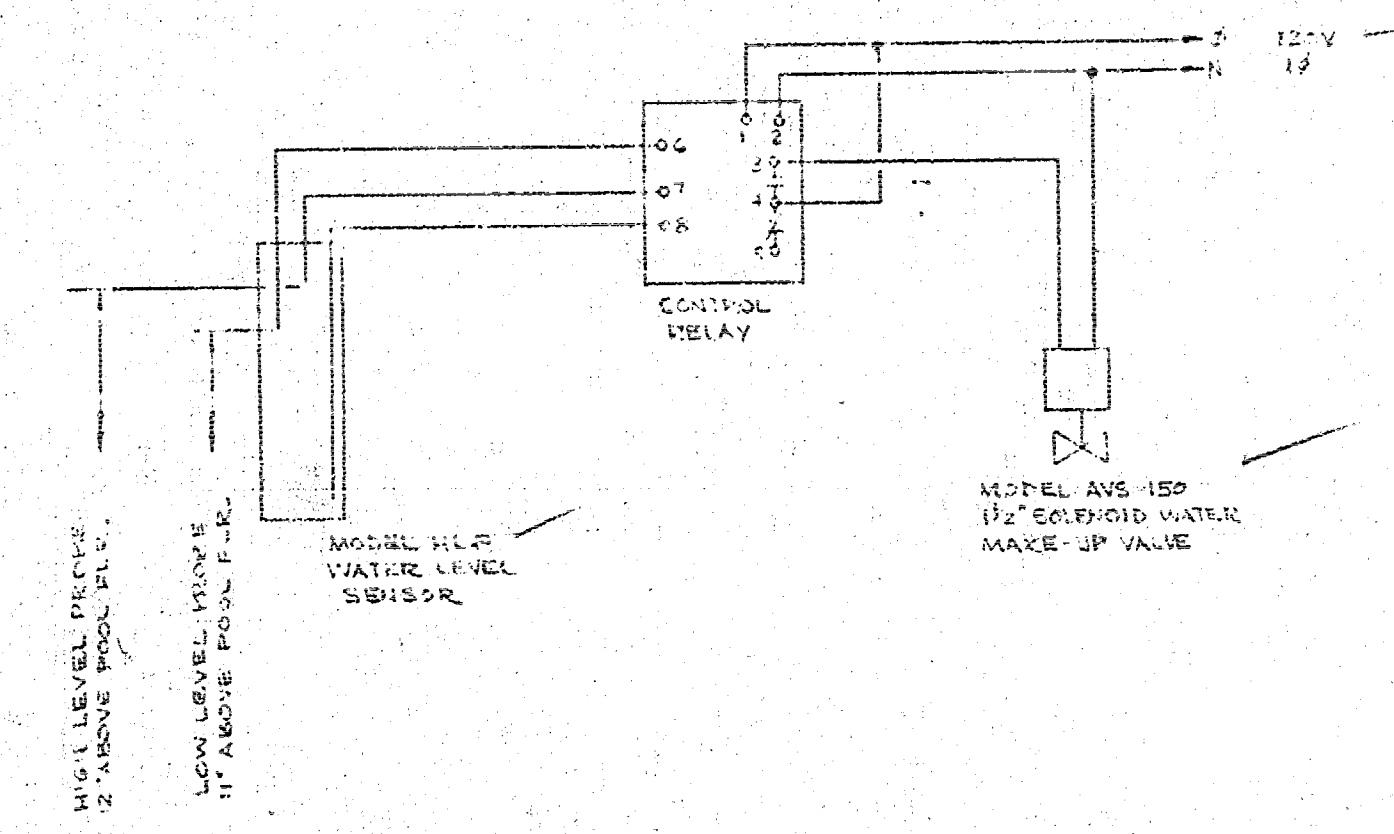
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TRANSFORMER PAD DETAILS
SCALE: 3/8\"/>



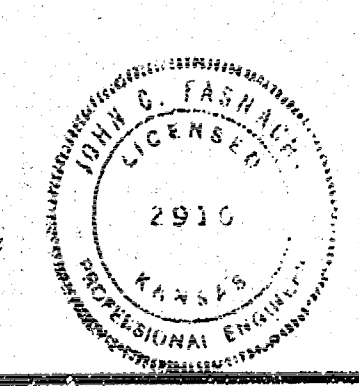
PUMP CONTROL DIAGRAM
SCHEMATIC - NO SCALE



WATER LEVEL CONTROL DIAGRAM
SCHEMATIC - NO SCALE

ELECTRICAL PLAN - FOUNTAIN AREA
RIVER DEVELOPMENT WEST BANK
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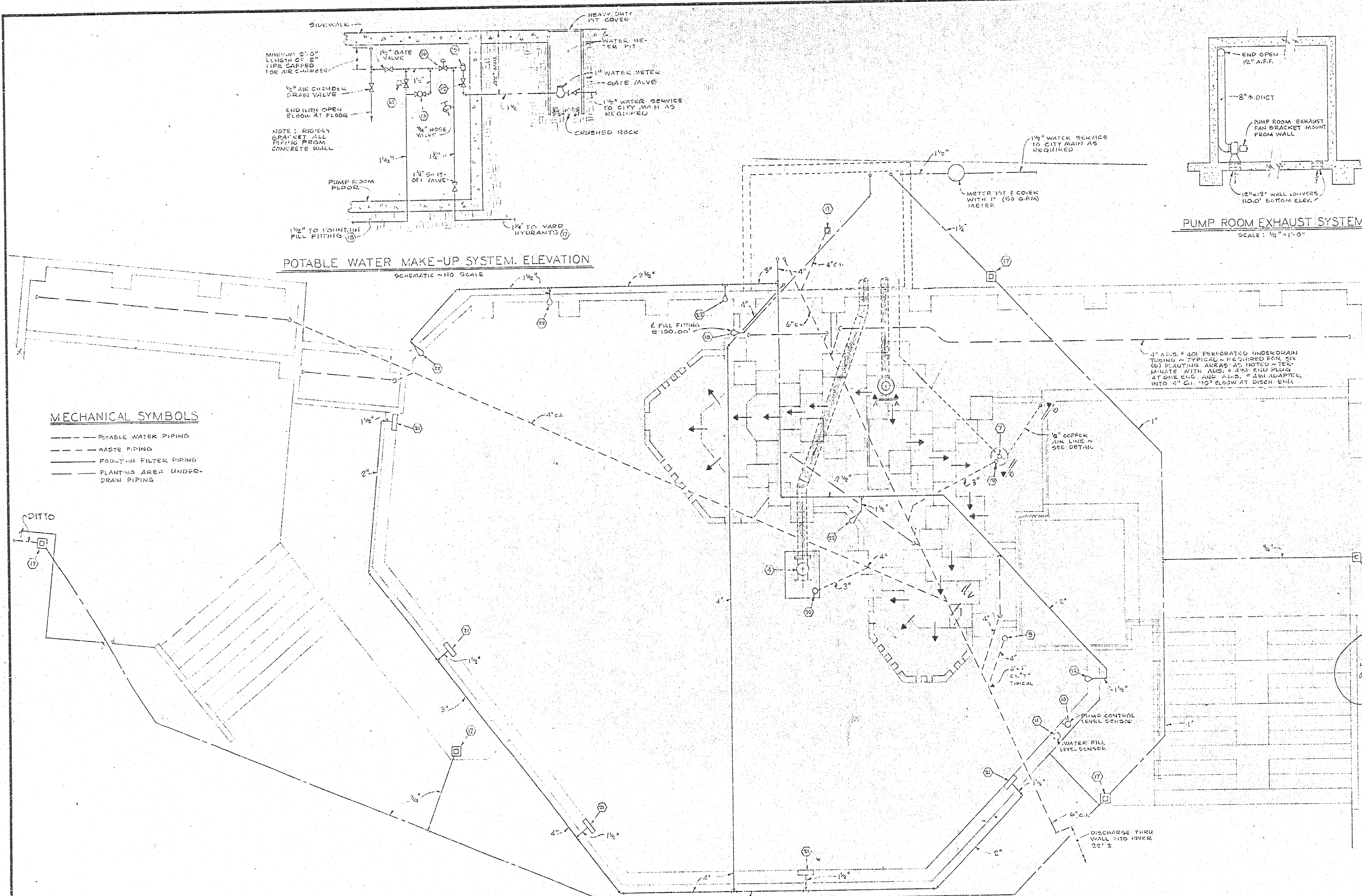
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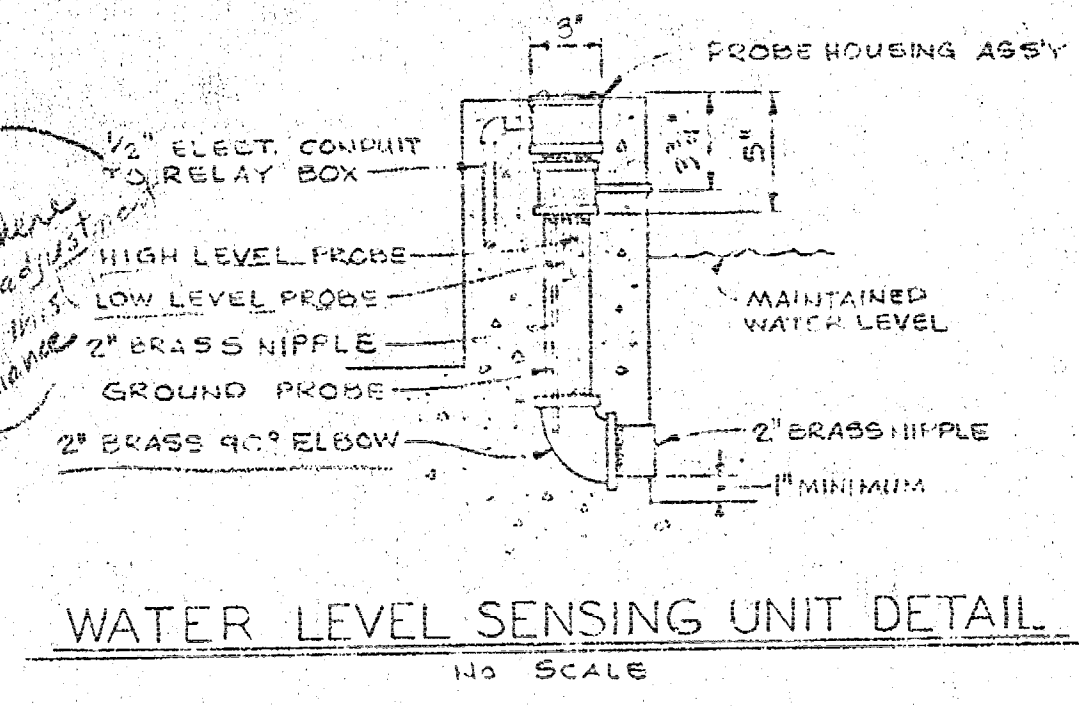
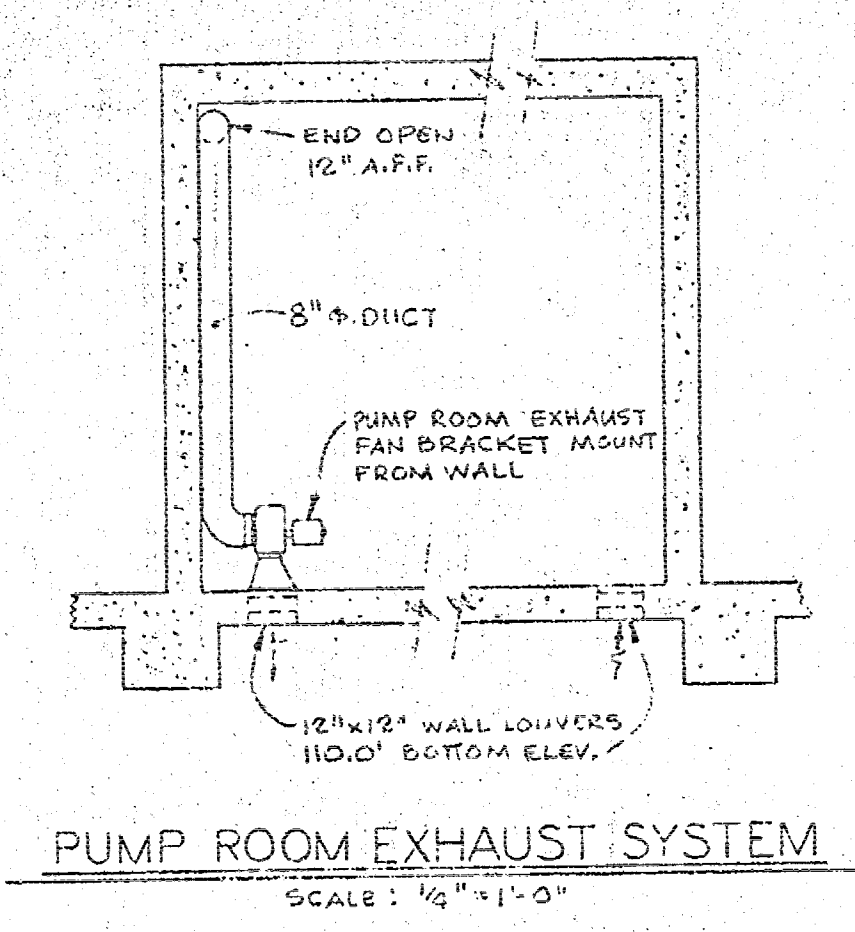
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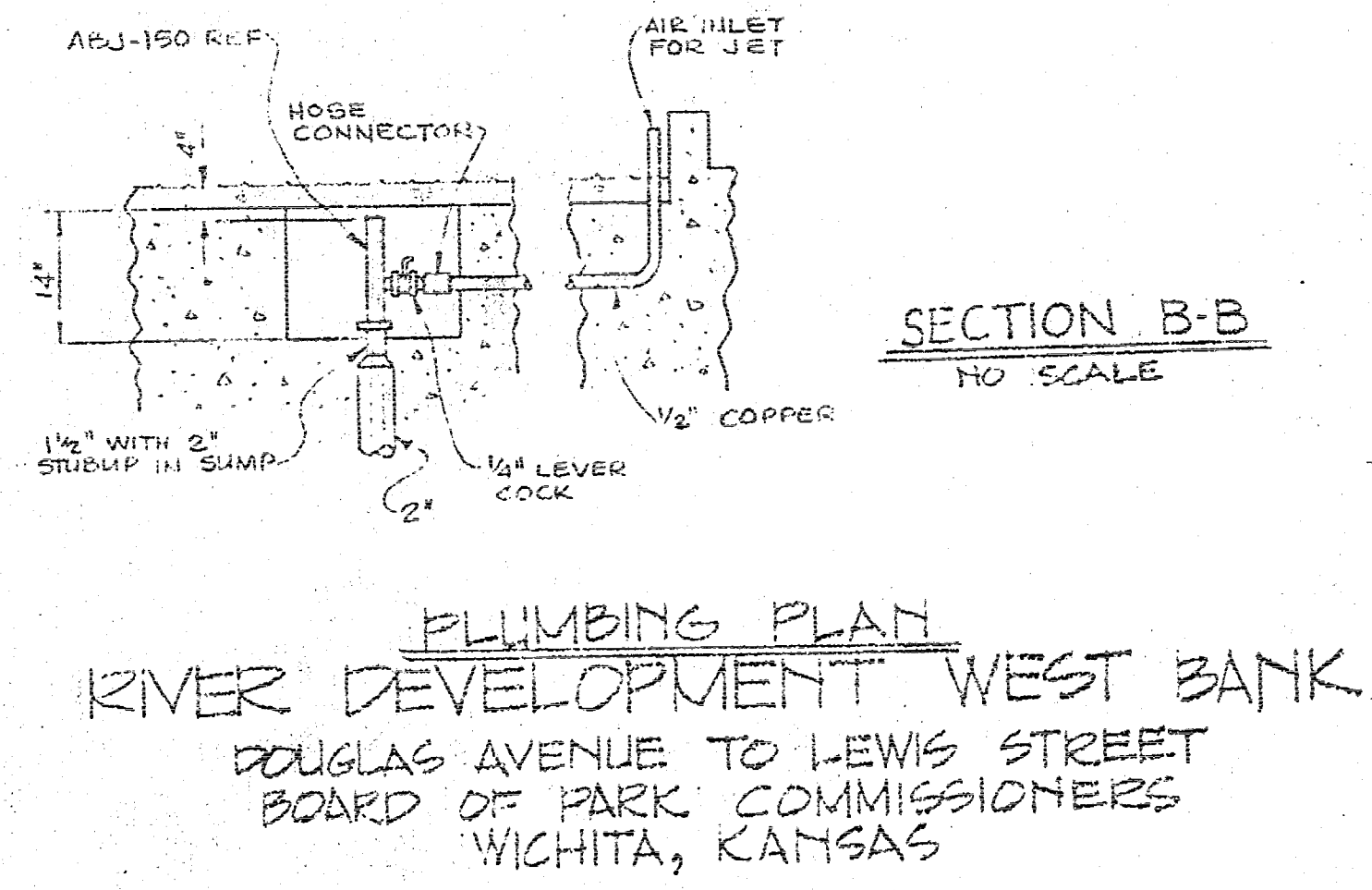
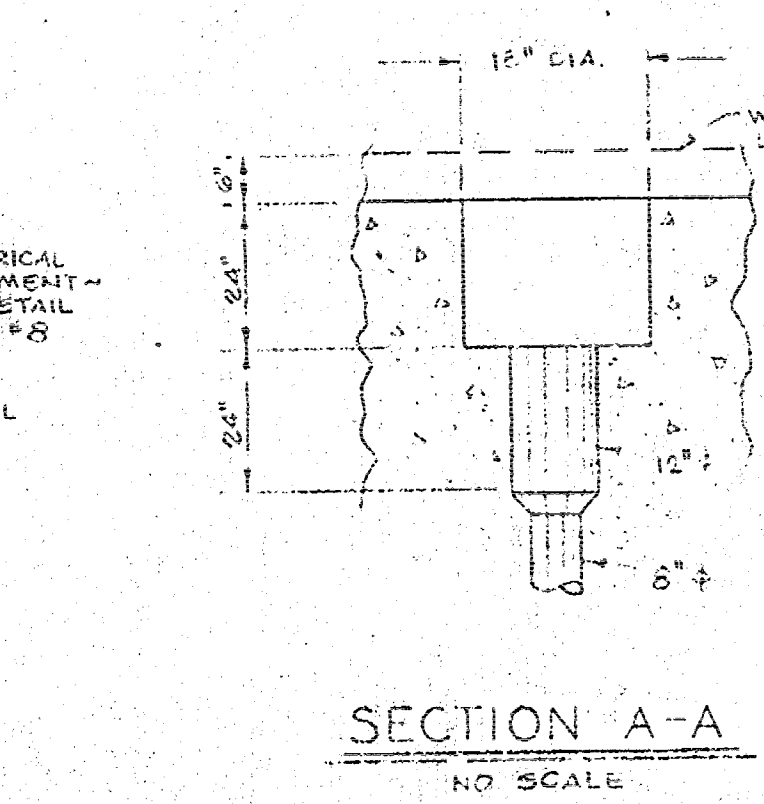
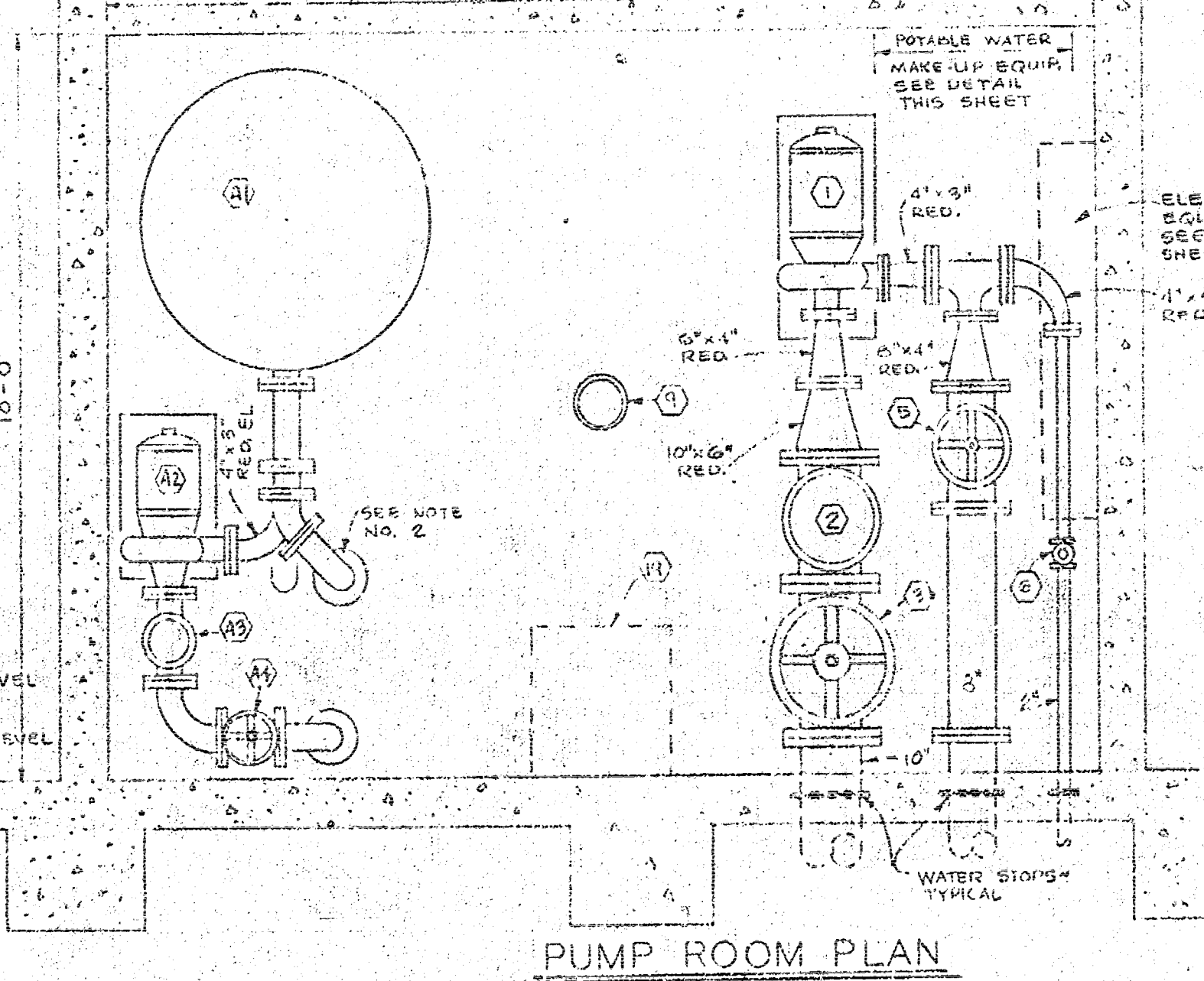
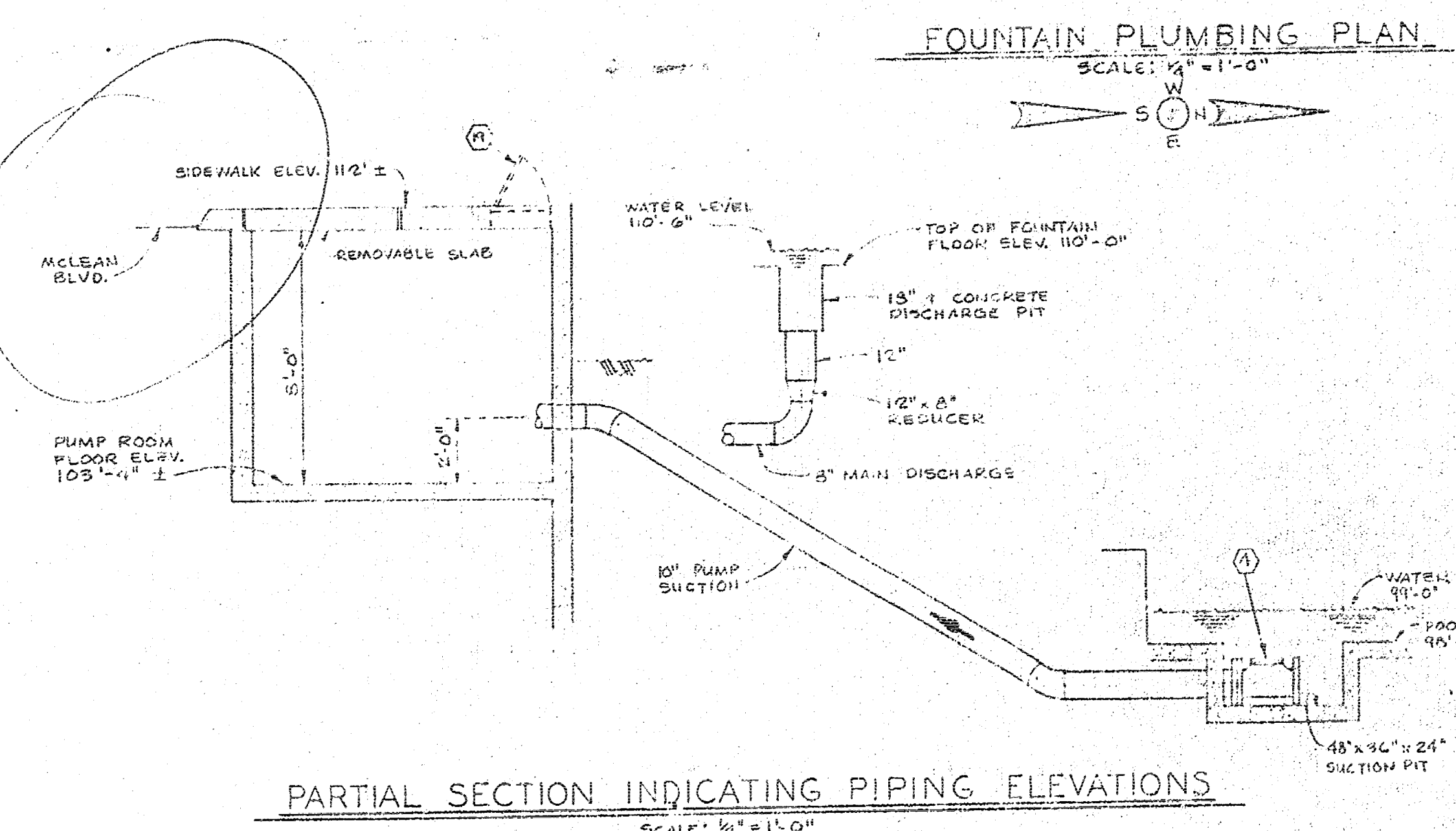


EQUIPMENT SCHEDULE (ONE EACH REQUIRED EXCEPT AS NOTED)		
ITEM	MODEL NO.	DESCRIPTION
1	HYDREL HP-1000HMG	FOUNTAIN PUMP - 710 G.P.M. @ 40' HEAD - 10 H.P. 200 V. 60 HZ. 3 P - 1725 R.P.M.
2	HYDREL LSF-100	10" LINE STRAINER
3	HYDREL GTVF-1000	10" ISOLATION VALVE (GATE)
4	HYDREL CVVF-1000	10" CHECK VALVE
5	HYDREL GLVF-800	6" CONTROL VALVE (GLOBE)
6	HYDREL GLVS-200	2" CONTROL VALVE (GLOBE)
7	HYDREL ABJ-150	1 1/2" BUBBLER JET WITH AIR LINE AND VALVE
8	ZURN Z-8014	4" POOL DRAIN WITH REMOVABLE 12" HIGH STANDPIPE AND URM
9	ZURN Z-741V	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	1 1/2" FOUNTAIN FILL MAIN SHUT-OFF VALVE (GATE)
13	HYDREL GLVS-150	1 1/2" FOUNTAIN MANUAL FILL VALVE (GLOBE)
14	HYDREL AVS-150	1 1/2" FOUNTAIN AUTOMATIC FILL VALVE (SOLENOID - 120V. 1 P)
15	WATTS 288-A	1 1/2" ANTI-SIPHON VACUUM BREAKER
16	WATTS 155	1 1/2" PRESSURE REDUCING VALVE WITH STRAINER (SET AT 30 P.S.I.)
17	MURDOCK M-415	4" BOX HYDRANT WITH 4" BURY DEPTH - SET IN 12" X 12" X 12" CONCRETE BLOCK - 5 REQ'D.
18	HYDREL AEF-150	1 1/2" FOUNTAIN "EYEBALL" FILL FITTING
19	HEENAN H-6661-LH	LIGHT DUTY MANHOLE FRAME AND HINGED TYPE 1" CONCEALED INTERFERENT LIFT HANDLE AND TYPE "G" TIGHTENING CLAMPING DEVICE
20	ZURN Z-1500	2" CLEANOUT WITH RAISED HEAD, INSTALLED IN 1/2" R.P. BELL FLUSH WITH FLOOR
21	HYDREL SK-302	SURFACE SKIMMER (FILTER SYSTEM IN-LET) - 5 REQ'D.
22	HYDREL AEF-150	1 1/2" FILTER SYSTEM "EYEBALL" DISCHARGE FITTING - 5 REQ'D.
ADD ALTERNATE NUMBER 2		
23	HYDREL HBL-48	48" DIA. HIGH RATE SAND FILTER
24	HYDREL GP-500-M-26	FILTER PUMP - 5 H.P. 200 V. 60 HZ. 3 P
25	HYDREL LSF-10	4" LINE STRAINER
26	HYDREL GTVF-100	4" ISOLATION VALVE (GATE)



- MECHANICAL SYMBOLS**
- POTABLE WATER PIPING
 - WASTE PIPING
 - FOUNTAIN FILTER PIPING
 - PLANTING AREA UNDER-DRAIN PIPING

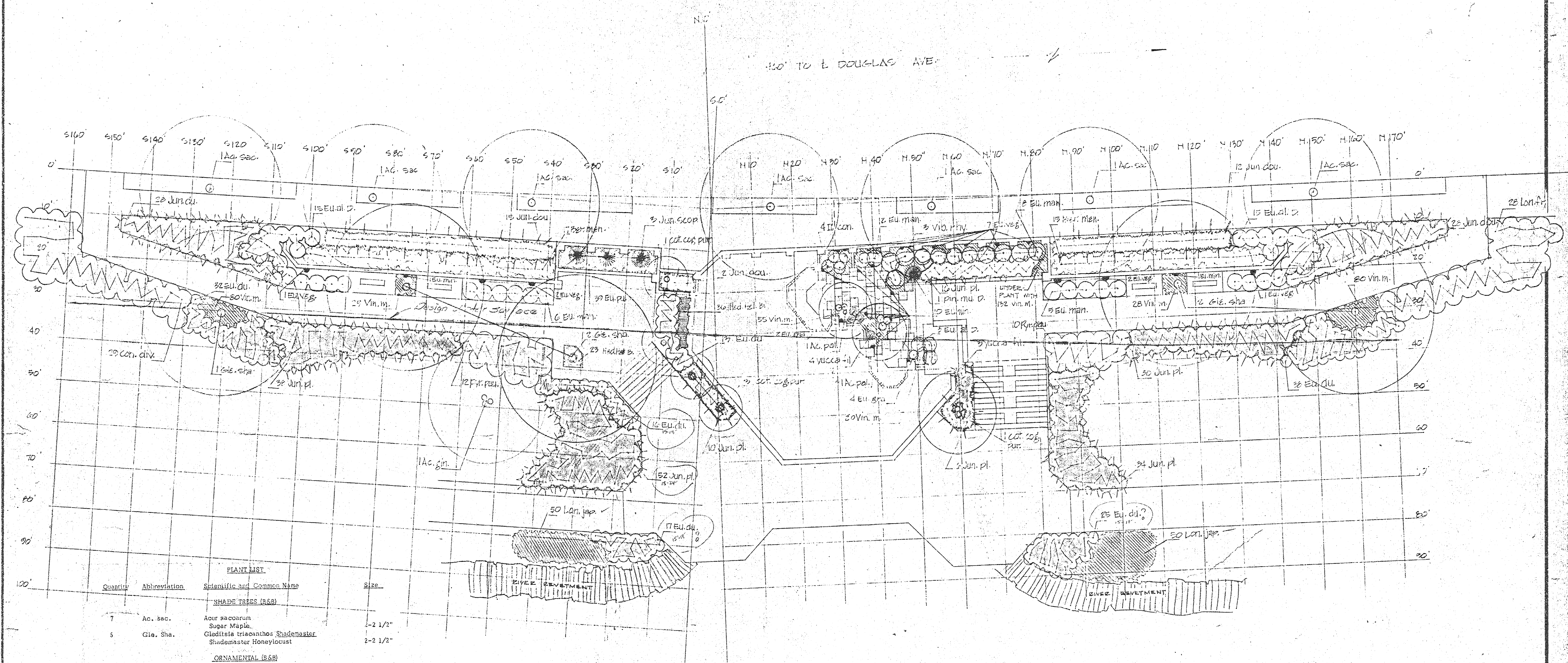
- PUMP ROOM NOTES**
- PROVIDE CONCRETE PUMP BASES WITH ANCHOR BOLTS AS REQUIRED TO ADHERE TO PIPING ELEVATIONS NOTED AND EQUIPMENT POSITIONED.
 - FILTERED WASTE CONNECTION SHALL BE 4" TO 6" INCREASER 2'0" ABOVE FLOOR WITH 6" C.I. SOIL PIPE BELL DRAIN FLUSH WITH FLOOR - PROVIDE 6" SOIL PIPE "TEE" ABOVE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



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4341 N. DORR AVENUE
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PLANT LIST			
Quantity	Abbreviation	Scientific and Common Name	Size
SHADE TREES (S&B)			
7	Ac. sac.	Acer saccharum Sugar Maple	2-2 1/2"
5	Gla. Sha.	Gladiolus triacanthos Shademaster Shademaster Honeylocust	2-2 1/2"
ORNAMENTAL (S&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 (S&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 douglasii Waukegan Creeping Juniper	18-24"
186	Jun. pl.	Juniperus horizontalis plumosa Andorra Creeping Juniper	18-24"
SHRUBS (S&B)			
23	Cot. div.	Cotoneaster diversiflorus Spreading Cotoneaster	18-24"
33	Bu. el. D.	Euonymus alatus alatus Dwarf Dwarf Winged Euonymus	18-24"
21	Bu. man.	Euonymus alatus alatus Dwarf Manhattan Euonymus	18-24"
141	Bu. Du.	Euonymus alatus alatus Dwarf Small Leaf (glabra, DuPont)	15-18"
28	Lon. fr.	Lonicera fragrantissima Winter Honeysuckle	3-4'
22	Pyr. Pau.	Pyracantha coccinea pauciflora Spiny Firethorn	5 Gal.
4	Il. Con.	Ilex crenata Convexleaf Convexleaf Japanese Holly	18-24"
32	Ber. men.	Berberis mentenensis Mentor Berberry	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. lil. B.	Hedera helix Bellie Bellie Ivy	2 Yr.
39	Bu. Pu.	Euonymus fortunei coloratus Purpleleaf Euonymus	2 Yr.
6	Bu. Gm.	Euphorbia Gracilissima Fountain Grass	2 Yr.
7	Yucca Fil.	Yucca filamentosa Yucca	2 Yr.
13	Bu. veg.	Euonymus fortunei vegetus Bigleaf Wintercreeper	2 Yr.
12	Bu. min.	Euonymus minimus Small Leaf Euonymus	2 Yr.
100	Lon. Jap. Pur.	Lonicera japonica purpurea Purple Japanese Honeysuckle	Gal. Cont.

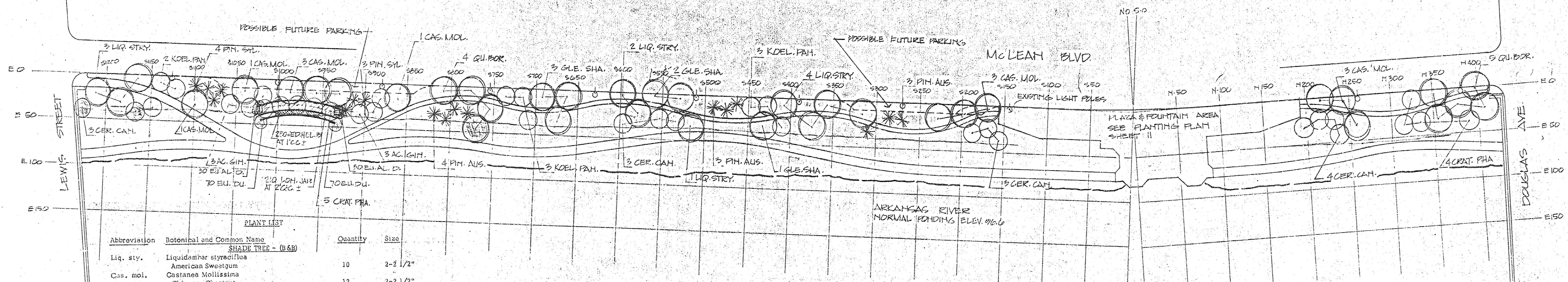
ALTERNATE NO. 4 - PLANTING PLAN
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

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Job number
Sheet 11 of 12

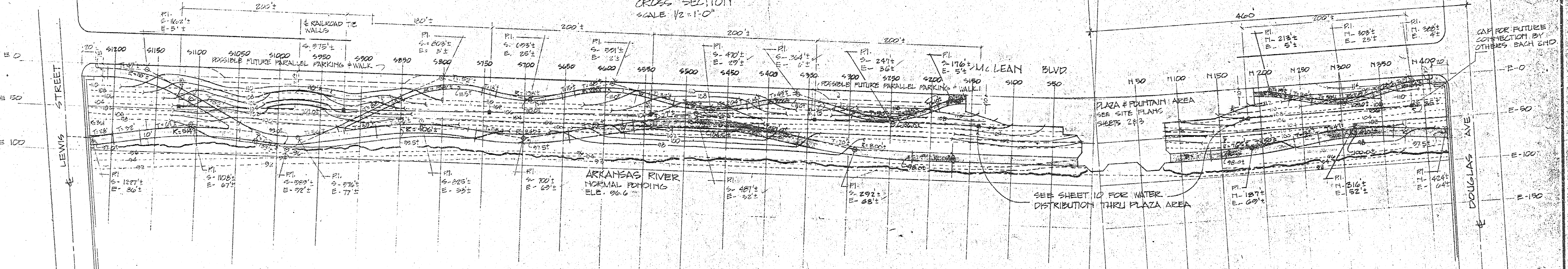
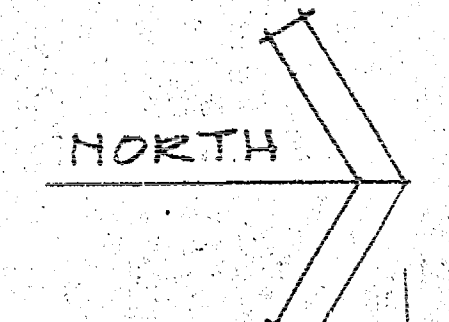
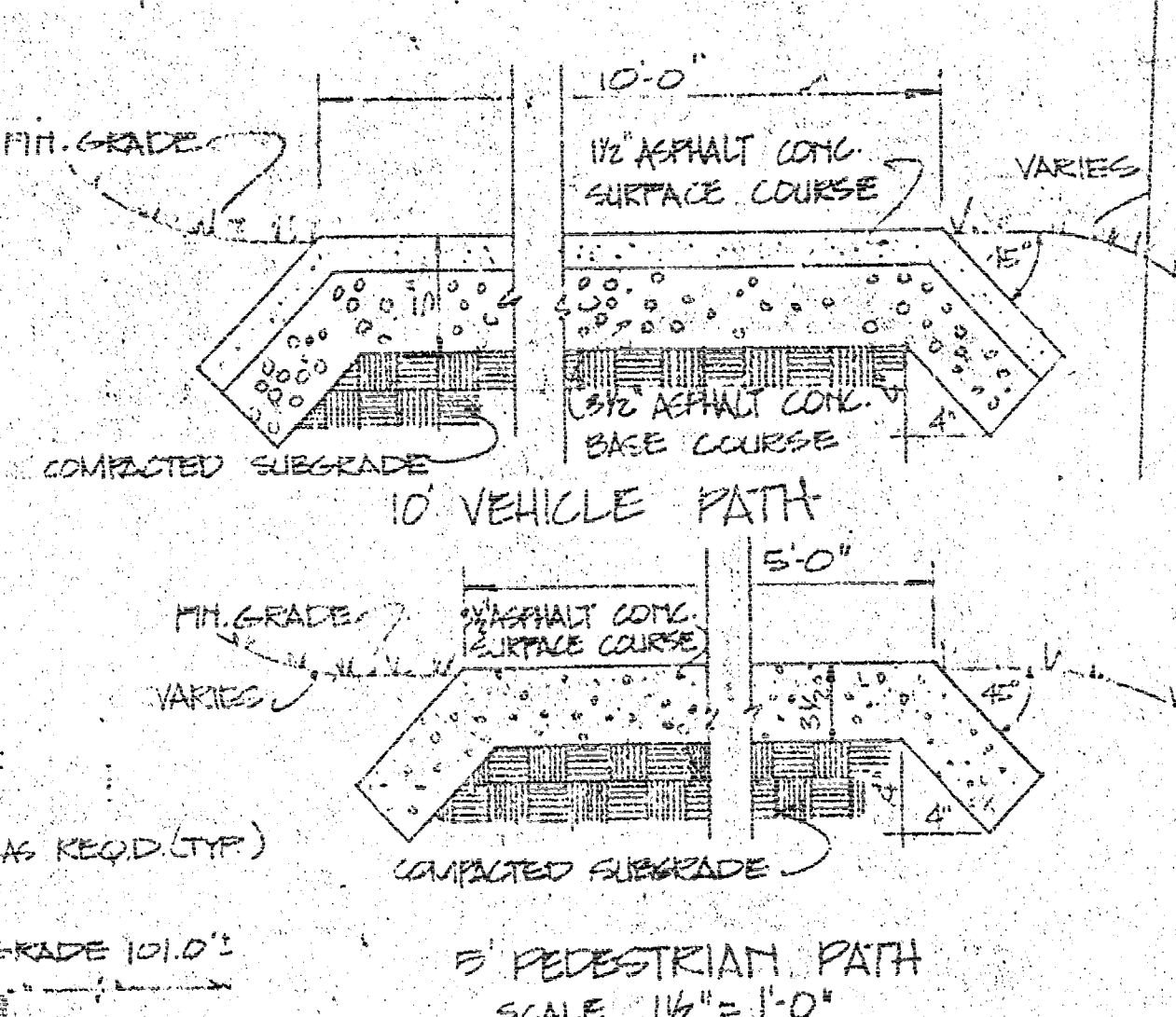
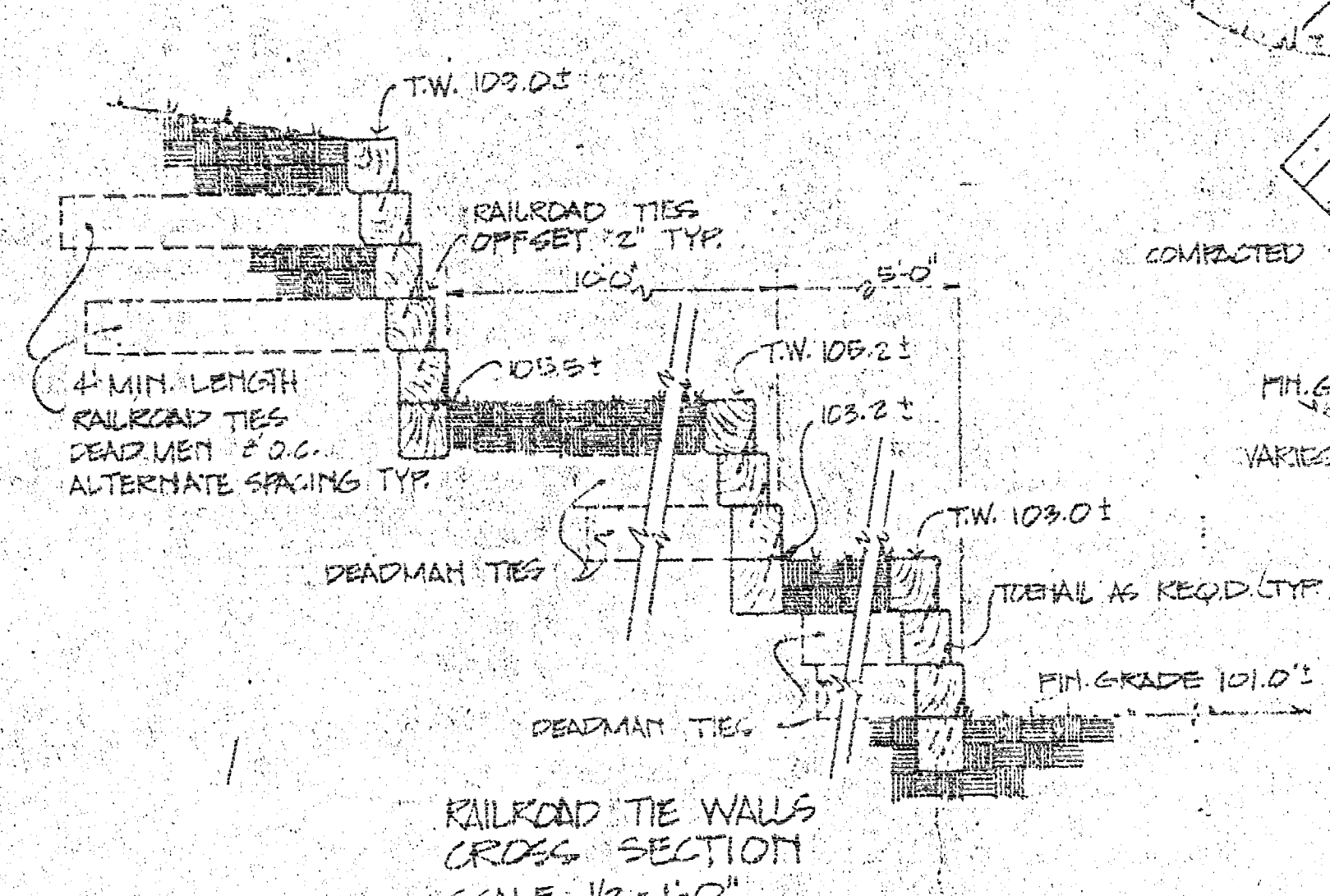
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Revised FEB 25 1971



PLANT LIST

Abbreviation	Botanical and Common Name	Quantity	Size
SHADE TREES - (B&B)			
Liq. sty.	Liquidambar styraciflua	10	2-2 1/2"
Cas. mol.	Castanea mollissima	12	2-2 1/2"
Qu. bor.	Quercus borealis	9	2-2 1/2"
Gle. sha.	Gleditsia triacanthos Shademaster	6	2-2 1/2"
ORNAMENTAL (B&B)			
Cer. can.	Cercis canadensis	13	5-6"
Koel. pan.	Koeleria paniculata	8	1 1/2-2"
Ac. cin.	Acer glabrum	6	1 1/2-2"
Crat. pha.	Crataegus phaeopyrum	9	5-6"
EVERGREEN (B&B)			
Pin. syl.	Pinus sylvestris	7	1-5'
Pin. aus.	Pinus nigra Austriaca	10	4-5'
SHRUBS (B&B)			
Eu. al. D.	Euonymus alatus Dwarf	60	18-24"
Eu. Du.	Euonymus alatus Dwarf	140	15-18"
GROUND COVER (POTS - CONTAINERS)			
Lon. jap. pur.	Lonicera japonica purpurea	210	1 Gal.
Hed. hel. B.	Hedera helix Balthic	250	2 Yr.



- NOTES
- 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.
 - 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.
 - PROVIDE A SMOOTH TRANSITION IN ALIGNMENT AND GRADE BETWEEN ALL EXISTING AND NEW CONSTRUCTION, AND PROVIDE FOR POSITIVE DRAINAGE.
 - 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.
 - 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 7-25-68.
- 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
 - EXISTING LIGHT POLES
 - WATER LINE & YARD HYDRANT
 - 3/4" TYPE K COPPER TUBING - MURDOCK
 - MODEL "M-475 3/4" BOX HYDRANT
 - WITH 4 BURY DEPTH - SET IN 12"x12"
 - CONC. BLOCK - 8" REQ'D (SEE SPECS.)

SITE PLAN & PLANTING PLAN
PATH SYSTEM
RIVER DEVELOPMENT WEST BANK
DOUGLAS AVENUE TO LEWIS STREET
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