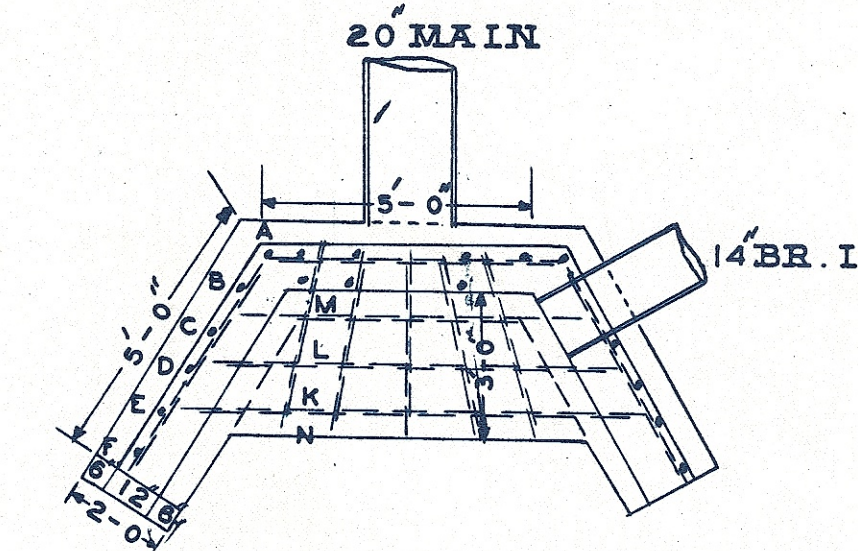
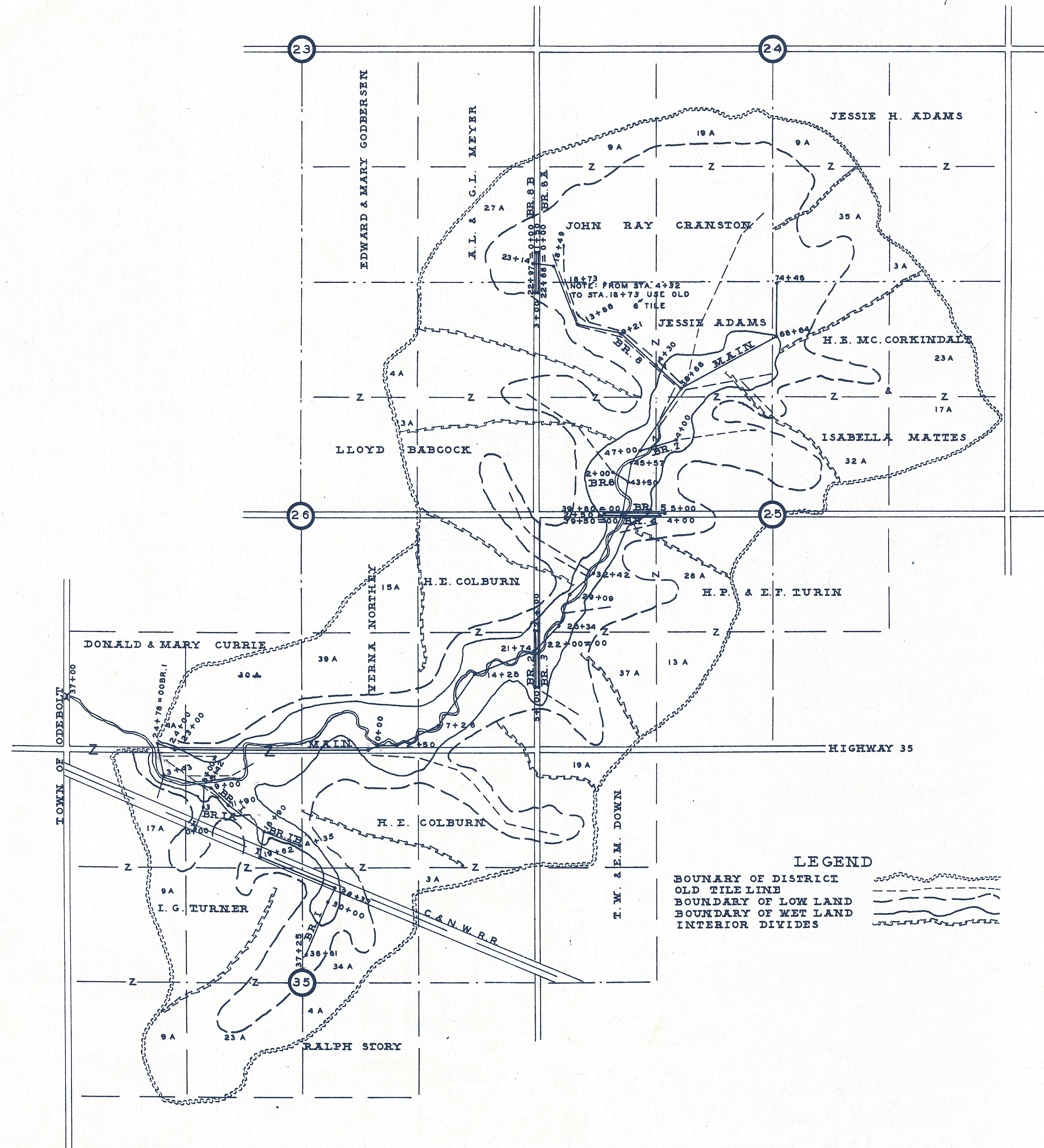
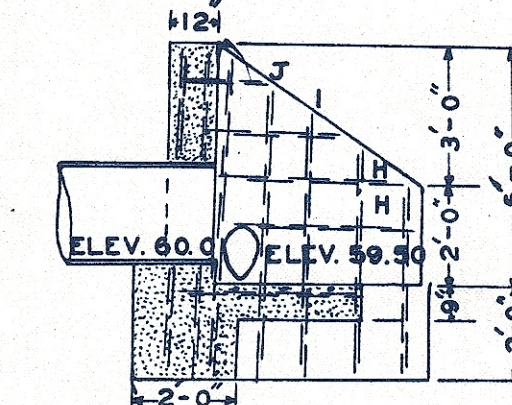




PLAN

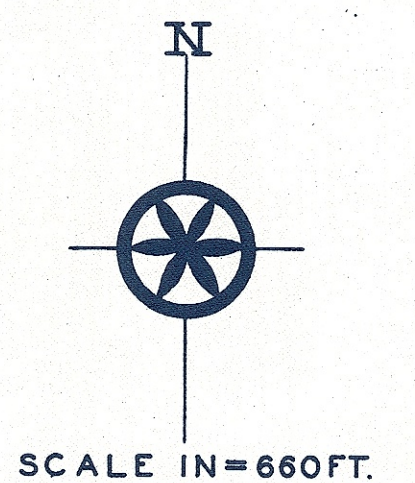
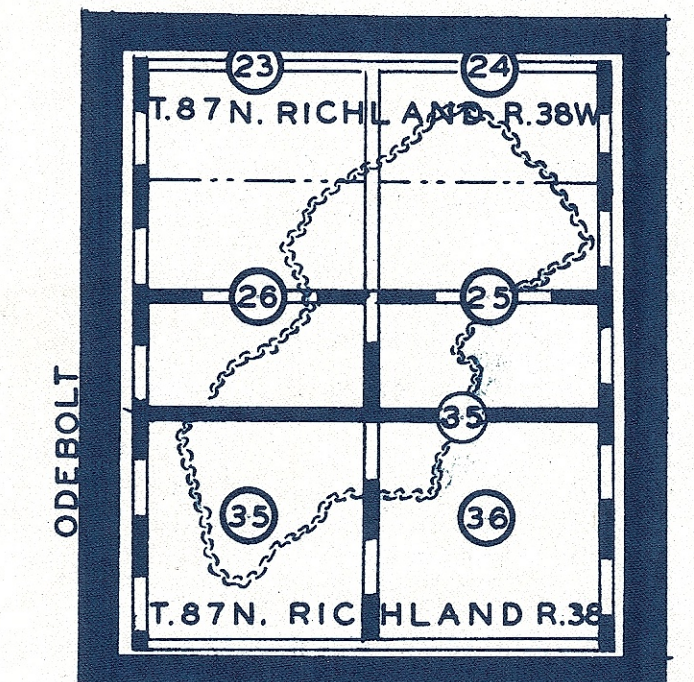


ELEVATION
SCALE 1/4" = ONE FT.

BULK HEAD QUANTITIES
CONCRETE 5 CU. YDS.
REINFORCEMENT 1/2 SQUARE
BARS AS FOLLOWS

BAR	LOCATION	NO.	LENGTH
A	MAIN WALL VERT.	8	6'-6"
B	WINGS "	2	6'-0"
C	" "	2	5'-6"
D	" "	2	5'-0"
E	" "	2	4'-6"
F	" "	2	4'-0"
H	WALL & WINGS HOR.	2	16'-0"
I	" "	1	12'-0"
J	" "	1	8'-0"
K	APRON	1	10'-0"
L	" "	1	9'-0"
M	" "	1	8'-0"
N	" "	1	3'-6"
TOTAL BARS 162 LB.			

TABULATED QUANTITIES				
LINE	SIZE	STA. TO STA.	LENGTH	AV. C.
MAIN	20 IN.	-24+78 +15+00	3978 FT.	5.5 FT.
"	18	15+00 34+00	1900	5.75
"	15	34+00 40+00	600	5.1
"	16	40+00 47+00	700	5.4
"	15	47+00 56+66	966	5.4
"	8	56+66 65+00	834	4.8
"	7	65+00 70+00	500	4.5
"	6	70+00 74+48	448	4.6
BR. 1	14	0+00 8+00	800	4.4
"	12	8+00 10+00	200	4.7
"	10	10+00 20+00	976	4.9
"	8	20+00 29+00	900	4.8
"	7	29+00 35+00	600	4.8
"	6	35+00 42+20	720	4.4
BR. 1-A	6	0+00 5+42	518	4.5
BR. 1-B	6	0+00 4+35	435	4.5
BR. 2-S	5	0+00 5+00	500	3.8
BR. 2-N	5	0+00 2+00	200	3.9
BR. 3-S	5	0+00 5+00	500	4.0
BR. 3-N	5	0+00 2+00	200	3.8
BR. 4-E	6	0+00 5+00	500	4.0
BR. 4-W	5	0+00 2+50	250	3.8
BR. 5-E	6	0+00 5+00	500	3.9
BR. 5-W	5	0+00 2+50	250	3.5
BR. 6	8	0+00 2+00	200	4.4
BR. 7	8	0+00 4+00	400	4.2
BR. 8	8	0+00 4+32	432	4.7
"	FROM 4+32 TO 18+70 USE PRESENT TILE			
"	7	18+70 23+14	444	4.4
BR. 8A-S	5	0+00 3+00	300	3.3
BR. 8A-N	5	0+00 1+50	150	3.6
BR. 8B-S	6	0+00 3+00	300	3.4
BR. 8B-N	5	0+00 1+50	150	3.5
BULKHEAD 5 CU. YD.				
RAILROAD CROSSINGS				
BR. 1A	6	CAST IRON PIPE	24 FT.	
BR. 1	10	" " " "	" "	
CAST IRON PIPE TO BE FURNISHED BY C. & N. W. R. R. AND PLACED BY LABOR CONTRACTOR				



PILAT

SAC COUNTY DRAIN NO. 75
RICHLAND TWP. T. 87 N. R. 38 W.