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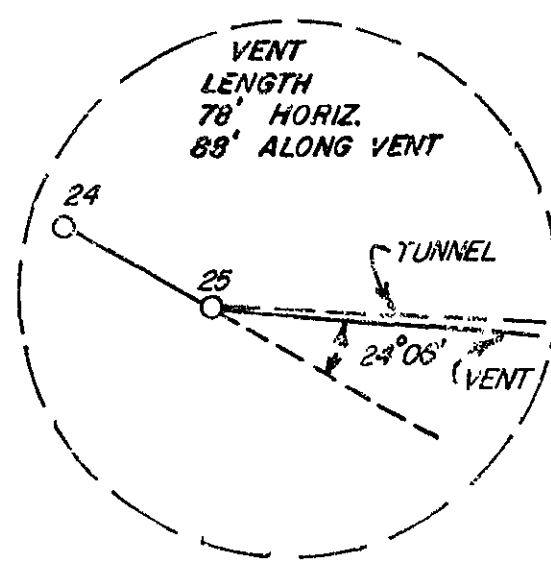
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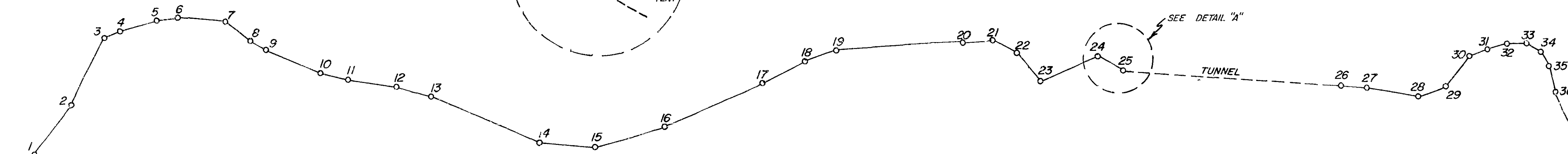
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DETAIL A
NO SCALE



SECTION CORNER IN COMMON WITH SECTIONS 1 & 12, T5N, R71W.
AND SECTIONS 6 & 7, T5N, R70W OF THE 6th P.M.
N 37°13'E 120.07' TO P.I. #43



TOP OF EXISTING
DAM STRUCTURE
N 65°49' W. FROM SOUTHWEST
CORNER OF SECTION 6 T5N R70W
6884.57'

BEGINS AT	ENDS AT
57+90	59+42
61+02	63+69
64+81	70+01
70+79	77+74
79+06	87+74
87+64	88+53

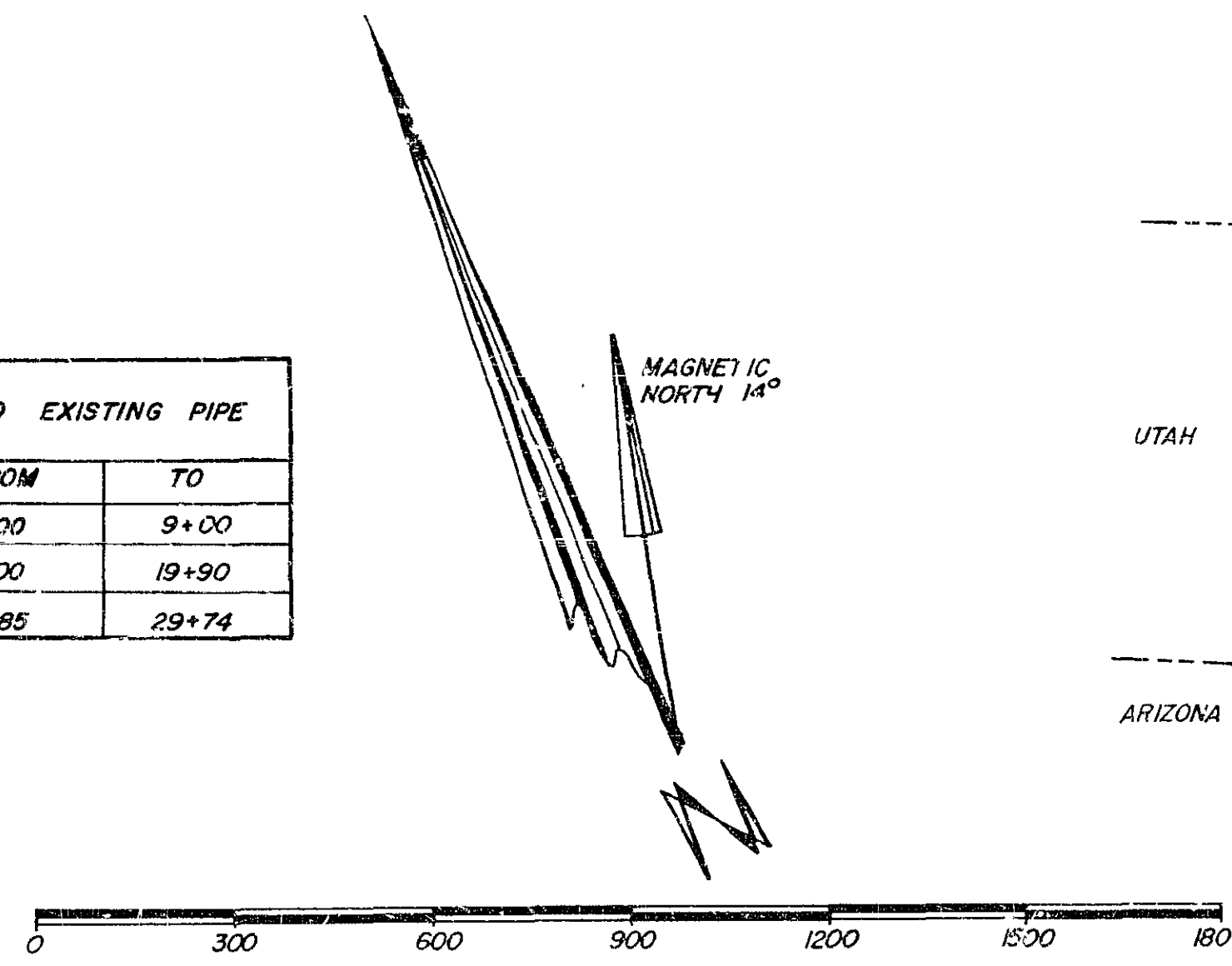
P.I.	BEARING	DISTANCE
From To		
0 1	N 77° 34' E	106.63'
1 2	N 60° 51' E	246.20'
2 3	N 51° 22' E	232.27'
3 4	S 88° 01' E	66.95'
4 5	S 81° 07' E	150.22'
5 6	S 71° 18' E	81.64'
6 7	S 61° 28' E	183.83'
7 8	S 52° 00' E	121.23'
8 9	S 32° 34' E	71.18'
9 10	S 41° 44' E	230.14'
10 11	S 51° 23' E	112.92'
11 12	S 57° 31' E	196.32'
12 13	S 50° 13' E	136.28'
13 14	S 43° 22' E	468.72'
14 15	S 30° 04' E	210.39'
15 16	S 25° 21' E	288.94'
16 17	N 83° 48' E	420.80'
17 18	N 85° 41' E	180.92'
18 19	S 85° 48' E	128.90'
19 20	S 68° 54' E	509.04'
20 21	S 71° 37' E	107.35'
21 22	S 36° 20' E	139.85'
22 23	S 15° 56' E	142.96'
23 24	N 88° 59' E	247.62'
24 25	S 38° 12' E	116.62'
25 26	S 61° 25' E	852.20'

P.I.	BEARING	DISTANCE
From To		
26 27	S 64° 18' E	100.64'
27 28	S 54° 45' E	208.00'
28 29	S 61° 35' E	104.95'
29 30	N 62° 40' E	150.13'
30 31	S 82° 45' E	76.88'
31 32	S 82° 29' E	86.41'
32 33	S 65° 07' E	74.97'
33 34	S 34° 48' E	67.15'
34 35	S 09° 37' E	68.97'
35 36	S 12° 45' W	103.37'
36 37	S 06° 38' W	157.05'
37 38	S 34° 13' E	100.60'
38 39	S 55° 37' E	158.26'
39 40	S 65° 32' E	34.66'
40 41	S 65° 34' E	139.82'
41 42	S 76° 50' E	249.60'
42 43	S 61° 32' E	192.74'
43 44	S 63° 01' E	134.58'
44 45	S 60° 49' E	198.74'
45 46	S 55° 29' E	226.48'
46 47	S 80° 10' E	171.98'
47 48	S 72° 43' E	175.80'
48 49	N 78° 07' E	20.48'
49 50	N 12° 07' E	723.88'

P.I. NUMBER	STATION
1	1+06.63
2	3+52.83
3	5+145.10
4	7+12.02
5	8+162.27
6	9+143.91
7	11+137.84
8	12+159.07
9	13+150.25
10	15+160.39
11	16+773.31
12	18+169.63
13	20+105.91
14	24+174.63
15	25+185.02
16	29+175.86
17	33+194.76
18	35+175.68
19	37+104.58
20	42+113.62
21	43+120.97
22	44+130.82
23	45+173.78
24	49+121.60
25	49+138.22
26	57+192.42

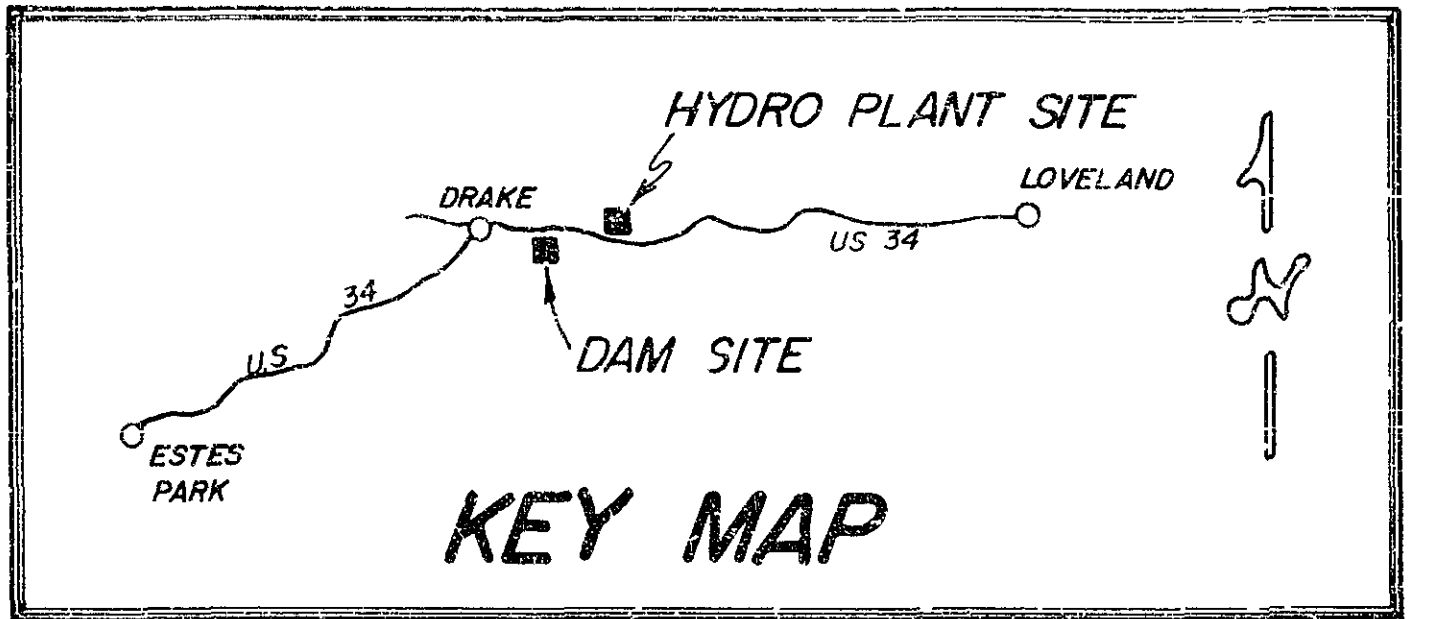
P.I. NUMBER	STATION
27	58+91.06
28	60+99.06
29	62+103.92
30	63+154.05
31	64+130.83
32	65+17.34
33	65+92.31
34	66+158.46
35	67+126.43
36	68+129.80
37	69+186.85
38	70+187.45
39	72+146.71
40	75+140.30
41	74+179.69
42	77+129.49
43	79+122.23
44	80+156.61
45	82+155.55
46	84+182.03
47	86+153.61
48	88+129.21
49	88+153.69
50	95+173.57

NO EXISTING PIPE	
FROM	TO
0+00	9+00
17+00	19+90
22+85	29+74



BEARINGS;
BEARINGS WERE
ESTABLISHED BY
SOLAR OBSERVATION

BENCH MARK;
ELEVATIONS WERE ESTABLISHED FROM
USGS B.M. LABELED USBR. #10, LOCATED
0.5 MILES WEST OF DRAKE, COLO. ON
DEVIL'S GULCH ROAD.
ELEVATION - 6203.301



I, WILLIAM M. STIDHAM JR., BEING A
REGISTERED LAND SURVEYOR UNDER
THE LAWS OF THE STATE OF COLORADO
DO HEREBY STATE THAT THIS SURVEY
WAS MADE BY ME OR UNDER MY
SUPERVISION, AND THAT THE SURVEY
IS ACCURATELY REPRESENTED ON THIS
MAP

BY *William M. Stidham Jr.*
C.O.L.G. L.S. 13546

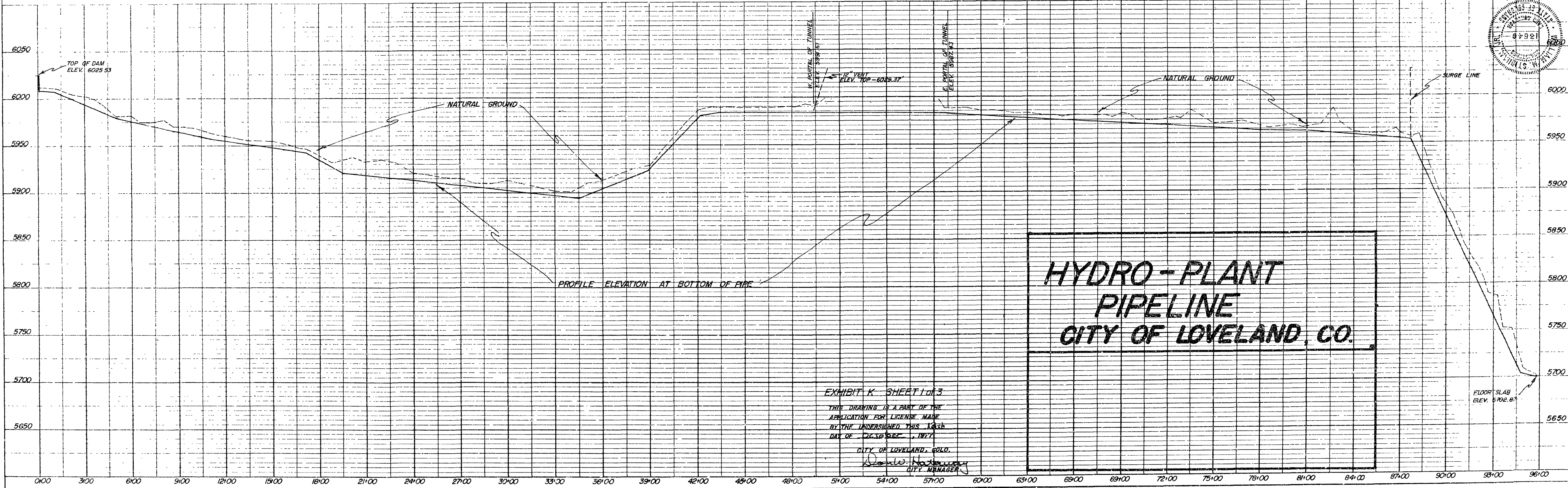
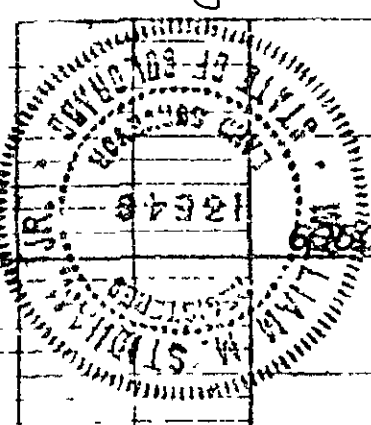


EXHIBIT K SHEET 1 of 3

THIS DRAWING IS A PART OF THE
APPLICATION FOR LICENSE MADE
BY THE UNDERSIGNED THIS 13th
DAY OF October, 1977

CITY OF LOVELAND, COLO.
Don W. Haxman
CITY MANAGER

TRAVERSE CONFINING PROJECT AREA FOR
DAM AND RESERVOIR.

PI NUMBER	BEARING	LENGTH	COORDINATES	
			E-W	N-S
0	S 34°00'W	182.0'	0.0'	0.0'
1	S 79°00'W	244.0'	W 101.8'	S 160.9'
2	N 71°00'W	208.0'	W 341.3'	S 197.4'
3	N 56°00'W	420.0'	W 537.9'	S 129.7'
4	N 86°00'W	178.0'	W 886.2'	N 105.1'
5	S 49°00'W	25.0'	W 1063.7'	N 117.6'
6	N 56°00'W	99.0'	W 1127.9'	N 61.8'
7	N 19°00'E	112.0'	W 1210.0'	N 117.2'
8	N 64°00'E	147.0'	W 1173.5'	N 223.1'
9	S 86°00'E	136.0'	W 1041.4'	N 287.5'
10	S 71°00'E	408.0'	W 905.7'	N 278.0'
11	S 86°00'E	315.0'	W 519.9'	N 145.2'
12	N 64°00'E	236.0'	W 205.7'	N 123.2'
13	S 26°00'E	228.0'	E 6.8'	N 226.7'
14	S 78°30'W	108.6'	E 106.8'	N 2173'
0			0.0'	0.0'

NOTE

THE TOTAL PROJECT AREA OF DAM AND RESERVOIR
(THIS SHEET) IS LOCATED IN THE NORTHEAST
QUARTER SECTION OF SECTION 2, T5N & R71W AND
COVERS AN AREA OF 7.02 ACRES. THIS LAND IS
OWNED BY UNITED STATES FOREST SERVICE.

MAGNETIC
NORTH 14°

0 40 80 120 160 200 240

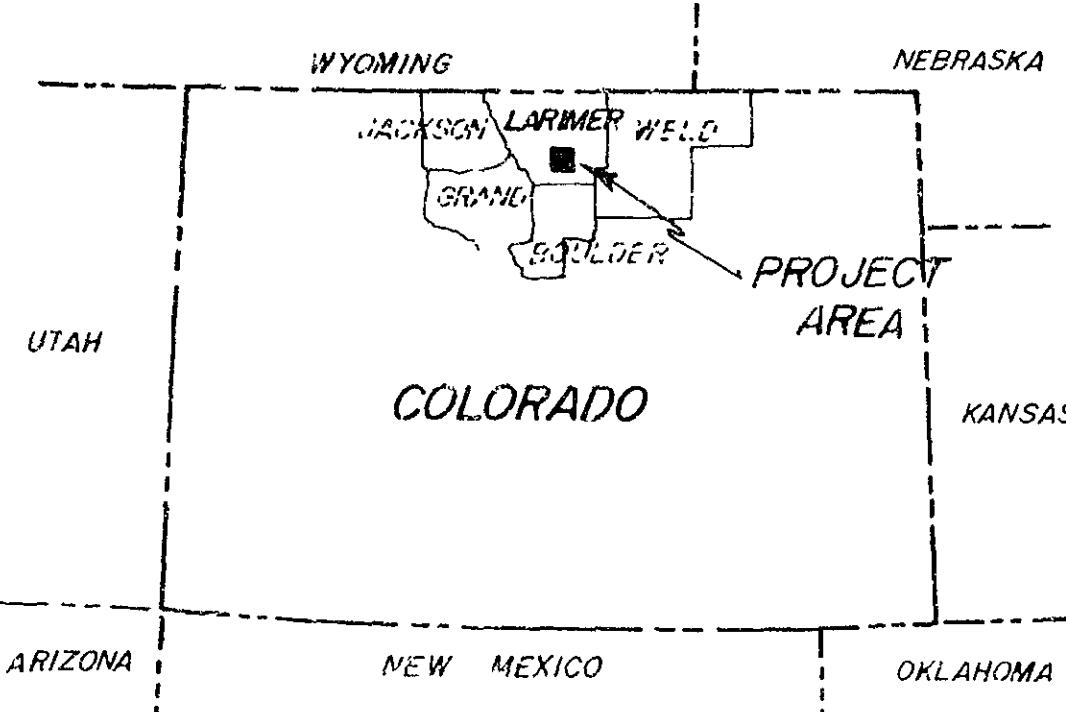
1" = 40'

CENTERLINE U.S. HIGHWAY # 34

E-W COORDINATE LINE

CONTOUR INTERVAL 2'

ELEVATION 6017 — HIGH WATER LINE



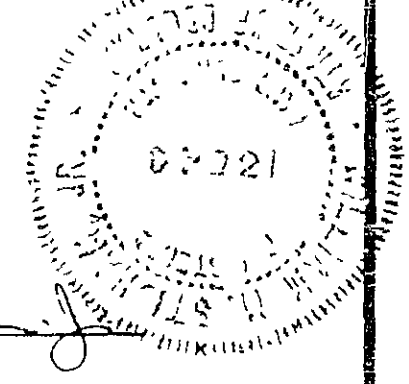
PROPOSED
DAM

EXISTING DAM
ELEVATION — 6025.53

SECTION CORNER IN
COMMON WITH SECTIONS
617 T5N, R70W, AND
112 T5N, R71W BEARS
S 65°49'E 6984.57'
FROM EXISTING DAM

I, WILLIAM M. STIDHAM JR., BEING A
REGISTERED LAND SURVEYOR UNDER
THE LAWS OF THE STATE OF COLORADO
DO HEREBY STATE THAT THIS SURVEY
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BY *William M. Stidham Jr.*
COLO. L.S. 13546

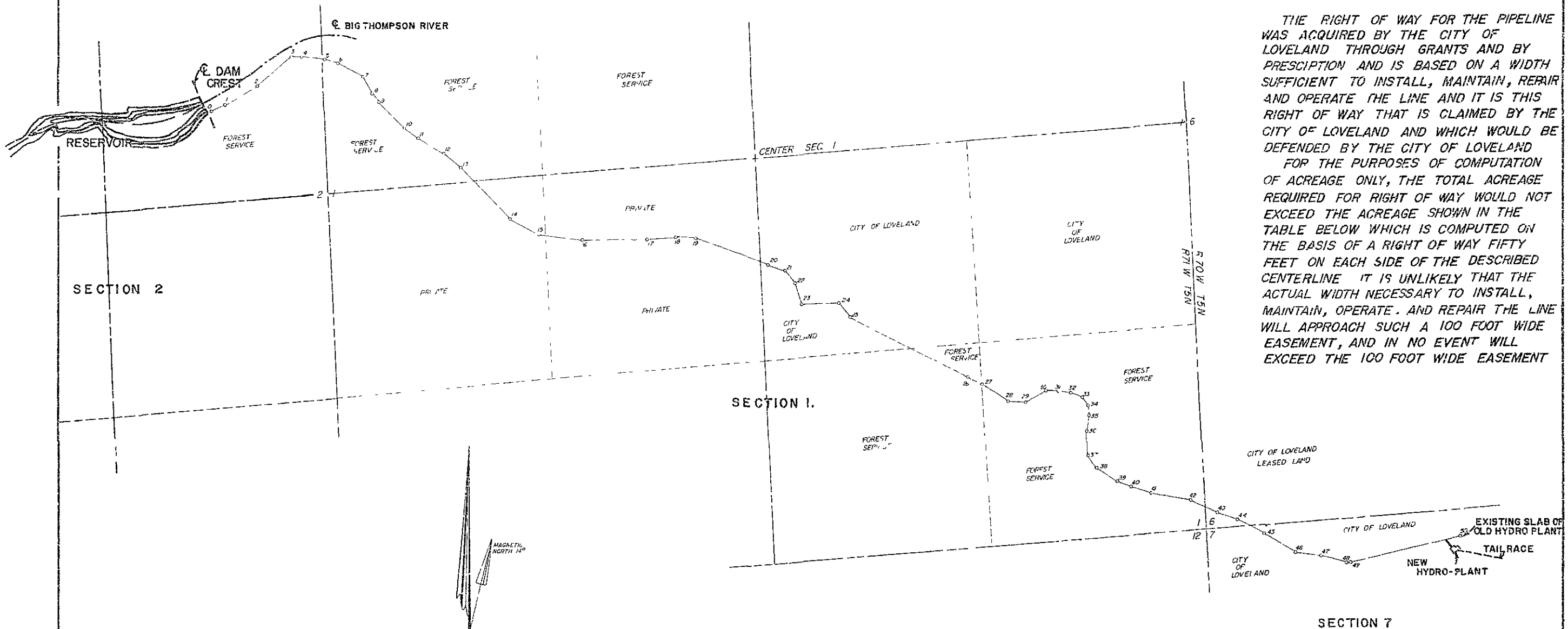


RESERVOIR
FOR
HYDRO PLANT
CITY OF LOVELAND, COLO.

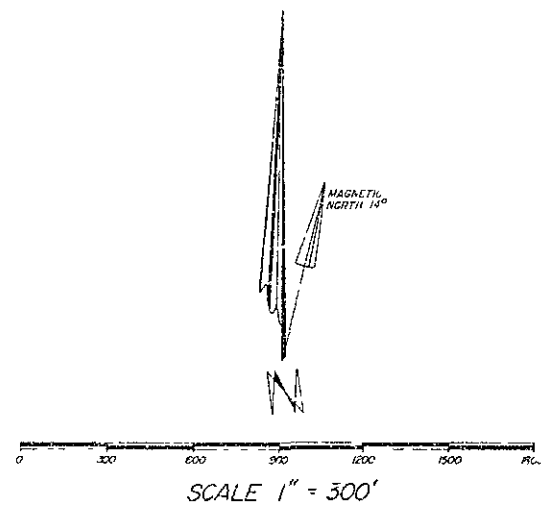
EXHIBIT K SHEET 2 of 3

THIS DRAWING IS A PART OF THE
APPLICATION FOR LICENSE MADE
BY THE UNDERSIGNED THIS 13
DAY OF October, 1977

CITY OF LOVELAND, COLO.
Don W. Hotam
CITY MANAGER



THE RIGHT OF WAY FOR THE PIPELINE WAS ACQUIRED BY THE CITY OF LOVELAND THROUGH GRANTS AND BY PRESCRIPTION AND IS BASED ON A WIDTH SUFFICIENT TO INSTALL, MAINTAIN, REPAIR AND OPERATE THE LINE AND IT IS THIS RIGHT OF WAY THAT IS CLAIMED BY THE CITY OF LOVELAND AND WHICH WOULD BE DEFENDED BY THE CITY OF LOVELAND FOR THE PURPOSES OF COMPUTATION OF ACREAGE ONLY, THE TOTAL ACREAGE REQUIRED FOR RIGHT OF WAY WOULD NOT EXCEED THE ACREAGE SHOWN IN THE TABLE BELOW WHICH IS COMPUTED ON THE BASIS OF A RIGHT OF WAY FIFTY FEET ON EACH SIDE OF THE DESCRIBED CENTERLINE IT IS UNLIKELY THAT THE ACTUAL WIDTH NECESSARY TO INSTALL, MAINTAIN, OPERATE, AND REPAIR THE LINE WILL APPROACH SUCH A 100 FOOT WIDE EASEMENT, AND IN NO EVENT WILL EXCEED THE 100 FOOT WIDE EASEMENT



NOTE:
THE PROJECT AREA OF THE PIPELINE AND RESERVOIR IS 17.54 ACRES OF FOREST SERVICE LAND. THE PROJECT AREA AT THE PIPELINE IS AN AREA EXTENDING 50'-0" TO EITHER SIDE OF PIPELINE ALONG ITS LENGTH

NOTE. REVISION
"RIGHT-OF-WAY THROUGH LAND OWNED BY USFS IS TEN (10) FEET ON EACH SIDE OF THE CENTER LINE OF THE PIPELINE FOR A TOTAL WIDTH OF TWENTY (20) FEET."

PROJECT AREA FOR DAM AND RESERVOIR, PIPELINE AND HYDRO-PLANT INCLUDING LINE TO TRANSFORMER BANK.

CITY OF LOVELAND	9.33 ACRES
FOREST SERVICE	17.54 ACRES
PRIVATE	4.66 ACRES
TOTAL	31.53 ACRES

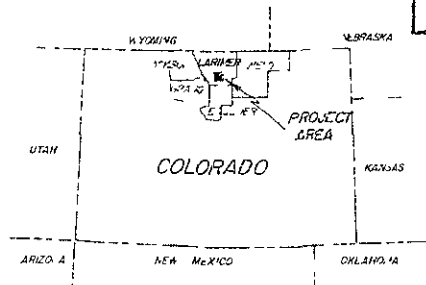


EXHIBIT K SHEET 3 of 3
THIS DRAWING IS A PART OF THE APPLICATION FOR LICENSE MADE BY THE UNDERSIGNED THIS 13th DAY OF 6-3-77 1977
CITY OF LOVELAND, COLO.
CITY MANAGER

HYDRO PLANT PIPELINE

CITY OF LOVELAND, COLORADO

OWNERSHIP MAP

RECEIVED

UN 6/73

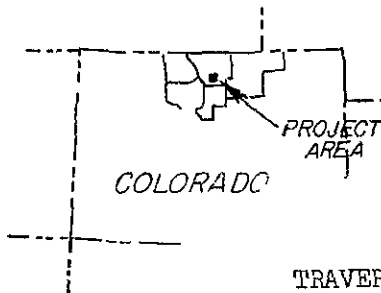
EXHIBIT K SHEET 4 of 4

FEDERAL POWER
COMMISSION

THIS DRAWING IS A PART OF THE
APPLICATION FOR LICENSE MADE
BY THE UNDERSIGNED THIS 29
DAY OF November, 1977

CITY OF LOVELAND, COLO

Don W. Hataway
CITY MANAGER

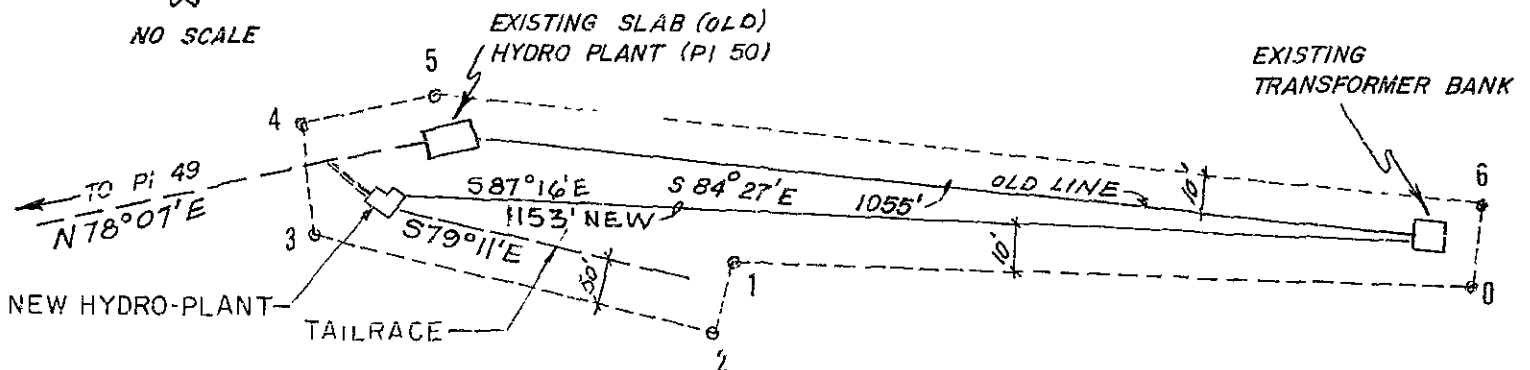


TRAVERSE CONFINING PROJECT
AREA FOR HYDROPLANT

Pl.	Bearing	Length	Coordinates	
			E-W	N-S
0			0.00	0.00
1	N87°16'W	1143	W1141.70	N54.41
2	S10°49'W	120	W1164.22	S63.36
3	N79°11'W	379	W1536.49	N7.77
4	N11°53'W	100	W1557.08	N105.63
5	N78°07'E	195	W1365.26	N145.78
6	S84°27'E	1384	E11.25	N11.93
0	S43°22'W	16.4	0.00	0.00



NO SCALE



I, WILLIAM M STIDHAM JR BEING A
REGISTERED LAND SURVEYOR UNDER THE
LAWS OF THE STATE OF COLORADO DO
HEREBY STATE THAT THIS SURVEY WAS
MADE BY ME OR UNDER MY SUPERVISION,
AND THAT THE SURVEY IS ACCURATELY
REPRESENTED ON THIS MAP.

BY William M. Stidham Jr
COLO LS 13546

CITY OF LOVELAND
PRIMARY ELECTRICAL
TRANSMISSION LINE

2920-4