Exhibit "B" 0620

Statement to accompany Applications by Middle Rio Grande Conservancy District to State Engineer for Permits to Change Points of Diversion and Place of Use of Certain Water Rights in and to the waters of the Rio Grande, in the counties of Sandoval, Bernalillo, Valencia and Socorro, in the State of New Mexico.

NOV 25 1930

The undersigned, Middle Rio Grande Conservancy District, a political subdivision of the State of New Mexico, organized under and by virtue of the New Mexico Conservancy Act, approved March 11th, 1927, (laws of the State of New Mexico, 1927, p. 135 Chapter 45) has caused to be prepared the Official Plan of said Middle Rio Grande Conservancy District, has filed the same with the District Court of the Second Judicial District of the State of New Mexico, in compliance with law, and said District Court has approved said plan as of date August 15th, 1928.

In order to further comply with the law and with the rules and regulations of the State Engineers Office, said District desires to file with said State Engineers Office, the attached applications for permits to change the points of diversion and place of use of certain waters more particularly described in this statement. Due to the magnitude of the project and to the unique and unusual nature of the matters involved, these applications cannot be made strictly in accordance with the prescribed form, and the following statement together with the accompanying maps, is respectfully submitted in lieu thereof.

Areas Included in Project.

The Middle Rio Grande Conservancy District proposes the irrigation of a net area of 123,267 acres of land, after deducting the areas of present and future rights-of-way for drains, canals, laterals, floodways, towns, railroads and roads, to the extent of some 18,300 acres.

These lands are situated in the so-called "middle valley" of the Rio Grande in the Counties of Sandoval, Bernalillo, Valencia and Socorro, State of New Mexico, and are more particularly classified as follows:

(See page-3)

123,267
+18,300
141,576

-Table 1.-

TABULATION OF AREAS UNDER MODIFIED APPROVED PLAN

(From Tabulation by C.A.Anderson, Appraisal Engineer, Dec. 28, 1928 and Tables in Official Plan as published, rearranged by Divisions.)

COCHITI DIVISION

Non-Indian Lands:

(a)	Cultivated, Class 1.....	581.96	Acres	
(b)	" " 2.....	273.79	"	
(c)	" " 3.....	113.11	"	
(d)	Pasture and hay.....	8.22		
	Total Irrigated.....	977.08	"	977.08 Acres
(e)	Salt Grass.....	179.60	"	
(f)	Bosque.....	175.95	"	
(g)	Swamp and lake.....	5.19	"	
(h)	Sand dunes.....	0.97	"	
(i)	Mesa and Upland.....	40.75	"	
(j)	Gravelly land (arroyo wash).....	18.42	"	
(k)	Rural homesites.....	13.83	"	
	Total Non-Irrigated.....	434.71	"	434.71 "

Indian Lands:

Cochiti Pueblo.....2110	Acres		
Santo Domingo Pueblo..4547	"		
San Felipe Pueblo.....4931	"		
11,588	"		
Cultivated.....	3,256	"	
Non-cultivated.....	5,184	"	
New area.....	2,528	"	
Claimed by non-Indians, title not yet settled.			
Cultivated.....	529	"	
Non-cultivated.....	91	"	
	11,588	"	11,588.00 "

TOTAL NET AREA COCHITI DIVISION..... 12,999.79 "

Rights-of-way:

Main Canal.....	152	Acres
Laterals.....	280	"
Drains.....	89	"
Floodway.....	500	"
Total.....	951	"

ALBUQUERQUE DIVISION

Non-Indian Lands:

(a)	Cultivated, Class 1	1,028.02	Acres	
(b)	" " 2	3,820.14	"	
(c)	" " 3	8,561.70	"	
(d)	Pasture and hay	2,199.57	"	
	Total Irrigated	15,609.43	"	15,609.43 Acres
(e)	Salt Grass	5,461.81	"	
(f)	Bosque	3,239.32	"	
(g)	Swamp and lake	771.90	"	
(h)	Sand dunes	2,752.59	"	
(i)	Mesa and Upland	1,560.48	"	
(j)	Gravelly land	350.08	"	
(k)	Rural homesites	735.86	"	
	Total Non-Irrigated	14,872.04	"	14,872.04 "

Indian Lands:

Santa Ana Pueblo	1,005		"
Sandia Pueblo	3,513		"
Isleta Pueblo	2,206	(about 1/3 of total)	"
	6,724		
Cultivated	2,020		"
Non-cultivated	4,513		"
New area	126		"
Claimed by Non-Indians	65		"
	6,724		" 6,724.00 "

TOTAL NET AREA ALBUQUERQUE DIVISION ..... 37,205.47 "

Rights-of-way:

Main Canal	412	Acres
Laterals	473	"
Drains	732	"
Floodway	2,800	"
Total	4,417	"

BELEN DIVISION

Non-Indian Lands:

(a)	Cultivated, Class 1	374.96	Acres	
(b)	" " 2	6,174.25	"	
(c)	" " 3	11,769.95	"	
(d)	Pasture and hay	6,308.98	"	
	Total Irrigated	24,628.14	"	24,628.14 Acres
(e)	Salt Grass	16,437.78	"	
(f)	Bosque	4,340.12	"	
(g)	Swamp and lake	899.20	"	
(h)	Sand dunes	1,852.54	"	
(i)	Mesa and Upland	4,631.46	"	
(j)	Gravelly land	50.00	"	
(k)	Rural homesites	137.73	"	
	Total Non-Irrigated	28,348.83	"	28,348.83 "

Indian Lands: (Isleta Pueblo) - 4422)

Cultivated	1,703	"	
Non-cultivated	2,325	"	
New area	233	"	
Claimed by Non-Indians	161	"	
	4,422	"	4,422.00 "

TOTAL NET AREA BELEN DIVISION ..... 57,398.97 "

Rights-of-Way:

Main Canal	862	Acres
Laterals	934	"
Drains	1,080	"
Floodway	3,300	"
Total	6,176	"

SOCORRO DIVISION

(No Indian Land in this Division)

(a) Cultivated, Class 1	0	Acres	
(b) " " 2	2,251.91	"	
(c) " " 3	2,331.12	"	
(d) Pasture and hay	474.40	"	
Total Irrigated	5,057.43	"	5,057.43 Acres
(e) Salt grass	2,230.19	"	
(f) Bosque	7,274.22	"	
(g) Swamp and Lake	872.97	"	
(h) Sand dunes	44.51	"	
(i) Mesa and Upland	47.42	"	
(j) Gravelly land	110.36	"	
(k) Homesites	25.77	"	
Total Non-Irrigated	10,605.44	"	10,605.44 Acres
TOTAL NET AREA SOCORRO DIVISION			15,662.87 "

Rights-of-way:

Main Canal	338	Acres
Laterals	341	"
Drains	387	"
Floodway	2,400	"
Total	3,466	"

(1932)

SUMMARY OF AREAS

(a) Cultivated, Class 1.....	1,984.94	Acres	
(b) Cultivated, " 2.....	12,520.09	"	
(c) Cultivated, " 3.....	22,775.88	"	
(d) Pasture and hay.....	8,991.17	"	
Total Irrigated.....	46,272.08	"	46,272.08 Acres
(e) Salt Grass.....	24,309.38	"	
(f) Bosque.....	15,029.61	"	
(g) Swamp and lake.....	2,549.26	"	
(h) Sand Dunes.....	4,650.61	"	
(I) Mesa and Upland.....	6,280.11	"	
(j) Gravelly land.....	528.86	"	
(k) Rural Homesites.....	913.19	"	
Total Non-Irrigated.....	54,261.02	"	54.261.02 "
Total Non-Indian Land.....	100,533.10	"	

Indian Lands:

(l) Cultivated.....	6,979.00	"	
(m) Non-Cultivated.....	12,022.00	"	
(n) New Area.....	2,887.00	"	

Claimed by Non-Indians (title not settled)

(o) Cultivated.....	675.00	"	
(p) Non-Cultivated.....	171.00	"	
Total.....	22,734.00	"	22,734.00 "

TOTAL NET AREA IN PROJECT..... 123,267.10 "

6979
675
7,654

Notes:

Class 1, 2 and 3 are appraisal classifications taking account of depth to water table, and other elements affecting value. Mesa and upland and lands lying above present ditches, and gravelly lands represent arroyos and areas not considered as economically irrigable.

Water Supply.

The water for the irrigation of the Middle Rio Grande Conservancy District lands is to be obtained from the natural flow of the Rio Grande, from the El Vado reservoir to be constructed upon the Rio Chama, a tributary of the Rio Grande, and from water to be developed by the drainage of district lands having a high water table. Such lands in their present condition cause the loss of great quantities of water through evaporation, and their drainage will reclaim and conserve to the river a large amount of this loss.

Present Rights.

The greater part of the Middle Rio Grande Conservancy District lands have probably been irrigated at one time or another during the period 1700-1929, or have been irrigable from constructed ditches. Mr. Herbert W. Yeo, at present State Engineer of New Mexico, made a study and report in 1910 listing all ditches in the Rio Grande basin, together with data on their dates of construction, location, capacities, acres irrigated and acres irrigable. His report shows 68 ditches in that part of the middle valley included within the boundaries of the Middle Rio Grande Conservancy District having an aggregate capacity of 1366 second feet. These ditches were irrigating 41,560 acres of land at that time and commanded an acreage of 46,140 acres additional making a total irrigable area of 87,700 acres in 1910. The following tabulation lists the ditches as found by Mr. Yeo in 1910:

DITCHES IN MIDDLE RIO GRANDE VALLEY

(Data from "Report on Irrigation in the Rio Grande Basin" by Herbert W. Yeo, State Engineer, New Mexico, 1928. Ditches arranged in groups corresponding to the four divisions of the Middle Rio Grande Conservancy District.)

Cochiti Division

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Cochiti West Side.			
Heads above tie loading plant at mouth of White Rock Canyon, Indian ditch, very old....	13.00	500	50
Cochiti East Side.			
Heads near tie loading plant at mouth of White Rock Canyon, Indian ditch, very old....	13.00	700	200
Pena Blanca.			
Heads 100 ft. north of Cochiti wagon bridge on east side of river. Constructed prior to 1800. (not Indian).....	37.00	1000	200
Sili.			
Heads 2½ miles north of Sili on west bank of river. Constructed about 1820. (not Indian)	13.00	300	300
Santo Domingo East Side.			
Heads 1½ miles N.W. of Pena Blanca. Indian ditch, very old.....	16.80	1000	200
Santo Domingo West Side.			
Heads 2 miles N.W. of Santo Domingo. Indian ditch, very old.....	13.50	300	300
San Felipe East Side.			
Heads 1 mile S. of Santo Domingo. Indian ditch, very old.....	23.80	700	300
San Felipe West Side.			
Heads ½ mile S. of San Felipe. Indian ditch, very old.....	7.87	100	100
Algodones.			
Heads ½ mile S. of San Felipe on E. side of river. Old ditch, not Indian.....	23.80	400	400

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additions Acres Irrigable
Santa Ana.			
Heads on E. side of river 1 mile south of San Felipe. Indian ditch, very old.....	18.37	600	300

Summary of Cochiti Division:

Number of ditches..... 10
(Indian ditches..7)
(Non-Indian " ..3)
Aggregate Capacity.....180.14 Second Feet

Acres irrigated -
Indian lands.....3900 Acres
Non-Indian lands.....1700 "
Total.....5600 "

Additional acres irrigable.....2350 "
Total acres irrigable.....7950 "

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Bernalillo.			
Heads just to the N.W. of town of Algodones. Heads in Cochiti Division but serves lands in Albuquerque Division. Probably originally an Indian ditch - very old.....	15.75	800	400
Sandia.			
Heads at Bernalillo wagon bridge on E. side of river. Indian ditch, very old.....	36.00	1000	1400
Montoya.			
Heads 2 miles S. of Bernalillo on W. side of river. Old ditch, not Indian..... (*Not included in Conservancy District)	*3.00	*100	*100
Corrales.			
Heads on W. side of river 4 miles S. of Bernalillo. Constructed prior to 1800.....	64.00	600	800
Alameda.			
Heads on E. side of river near S. line of Sandia Indian Pueblo Grant. Built prior to 1800.....	20.25	400	1450
Los Ranchos.			
Heads on E. side of river 1½ miles N. of Alameda. Constructed prior to 1800.....	44.00	1300	3000
Los Griegos.			
Heads on E. side of river 1½ miles S. of Corrales wagon bridge. Built prior to 1800.	22.00	550	1300
Los Barelas.			
Heads on E. side of river 2 miles S. of Corrales wagon bridge. Built prior to 1800.	34.00	650	650
Los Duranes.			
Heads on E. side of river 2½ miles N. of Old Albuquerque. Constructed about 1706.....	15.00	600	650
Albuquerque.			
Heads on E. side of river 2½ miles N. of Old Albuquerque. Constructed about 1706.....	24.00	700	650

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Small Community Ditch. Heads on W. side of river W. from Old Albuquerque. Constructed "recently", probably prior to 1900.....	11.25	335 ✓	150
Atrisco. Heads on W. side of river W. of Old Albuquerque. Date of construction "old"...	11.25	325 ✓	150
Arenal. Heads on west side of river W. of Old Albuquerque. Date of construction "old"...	30.00	900 ✓	250
Acequia Nueva de Atrisco. Heads on W. side of river W. of Old Albuquerque. Date of construction "recent" (Probably prior to 1900).	42.00	1200 ✓	400
Acequia Vieja de Atrisco. Heads on W. side of river W. of Old Albuquerque. Date of construction "old"...	37.80	450 ✓	200
Community Ditch. Heads on E. side of river 600 feet S. of Barelas bridge at Albuquerque. Date of construction "old".....	13.50	175 ✓	200
Lagunitas. Heads on E. side of river ½ mile south of Barelas bridge at Albuquerque. Date of construction "old".....	20.20	1000 ✓	4600
Pajarito. Heads on W. side of river 1½ miles S. of Barelas bridge at Albuquerque. Date of construction "very old".....	60.00	1500 ✓	300
Los Padillas. Heads on W. side of river ½ mile N.E. of Pajarito. Date of construction "very old".	30.00	700 ✓	500
Isleta. Heads on W. side of river E. of Pajarito. Indian ditch "very old" (probably prior to 1540).....	60.00	700 ✓	500

7285

Summary of Albuquerque Division:

Number of ditches in Conservancy District..... 19
(1 not included in Conservancy District)
Indian ditches..... 2
Non-Indian " 17

Aggregate capacity..... 591 Second Feet

Acres irrigated -
Indian lands..... 1700 Acres
Non-Indian "..... 12185 "

Total.....13,885 "

Additional acres irrigable 17,550
Total Acres irrigable..... 31,435

7285 / 13885 = 52%

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Small Community.			
Heads on E. side opposite pueblo of Isleta. "Old". Indian ditch.....	2.25	25	0
Chical.			
Heads on E. side opposite pueblo of Isleta. Indian ditch. "Old".....	33.00	400	500
Picuris.			
Heads on E. side opposite pueblo of Isleta. Indian ditch. "Old".....	22.50	200	500
Cacique.			
Heads on E. side ¼ mile S. of Isleta. Indian ditch. "Old".....	39.00	500	500
Mill Ditch.			
Heads on E. side 1 mile S. of Isleta "Old".	24.75	150	200
Bosque.			
Heads on E. side 1 mile S. of Isleta. Built 1910.....	29.25	0	1000
New Belen.			
Heads on W. side 1 mile S. of Isleta. Built 1911?..... (Built after Yeo report was made)	?	?	?
Los Lentes.			
Heads on W. side 1½ miles S. of Isleta. Built by Indians, extended by Mexicans "old"	28.00	350	650
Del Medio.			
Heads on E. side 1½ miles S. of Isleta. "Old"	24.25	200	300
Peralta.			
Heads on E. side 2 miles S. of Isleta. "very old".....	48.00	600	480
Valencia.			
Heads on E. side near S. line of Isleta. Indian Pueblo Grant. Constructed prior to 1850.....	48.00	500	950

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Los Lunas.			
Heads on W. side ½ mile S. of S. line of Isleta Indian Pueblo Grant. "Old".....	15.00	600	900
Las Cercas.			
Heads on E. side 4 miles S. of Isleta. "Old"	38.00	375	600
Company.			
Heads on E. side 3 miles N. of Los Lunas bridge. "New".....	5.00		335
Huning.			
Heads on W. side 2½ miles N. of Los Lunas. Built 1872.....	72.00	1500	2200
Fernandez.			
E. side, 3/4 miles N. of Los Lunas bridge. "Old".....	17.25	175	500
Constancia.			
E. side ½ miles N. of Los Lunas bridge. "Very old".....	20.25	500	1000
Tome.			
E. side 1 mile S. of Los Lunas Bridge. "Very old".....	17.25	500	900
Los Chavez.			
W. side 3 miles S. of Los Lunas bridge. "Old"	36.00	390	1200
Endarmes.			
E. side west of Tome. "Old".....	28.00	300	300
Sausal.			
W. side 3 miles N. of Belen wagon bridge. "Old".....	28.00	200	500
Los Inocentes.			
W. side 300 ft. N. of Del Rincon. "Old"...	16.50	300	300
Del Rincon.			
W. side 1 mile N. of Belen wagon bridge. "Old"	16.00	200	400

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Jarales.			
W. side at Belen wagon bridge. "Old".....	44.00	500	700
San Francisco.			
W. side ½ mile S. Belen wagon bridge. "Old".. (Made by constructing new heading at lower end of the Jarales.)	28.87	200	100
Casa Colorada.			
E. side 1 mile N.E. of Jarales. "Old".....	44.00	1200	800
Bosque.			
W. side 1 mile S.E. of Jarales. "Old".....	27.00	500	1000
Sabinal.			
W. side ½ mile S.E. of Jarales. "Old" (probably 200 years old).....	42.00	1200	1700
San Juan.			
E. side N. of Casa Colorado. "Old".....	34.50	1700	800
Picachy.			
W. side ½ mile S.E. Sabinal. Built 1868.....	16.50	600	3200
Las Nutrias.			
E. side 1 mile S. Sabinal. "Old".....	20.25	1200	1000
La Joya.			
E. side - W. of town of Las Nutrias.....	22.50	600	750
San Geronimo.			
W. side near the Rio Puerco. Abandoned for many years.....			

Summary of Belen Division:

No. of ditches in operation..... 31
Indian ditches..... 4
Non-Indian " 27
Aggregate Capacity..... 837.37 Second Ft.

Acres Irrigated:
Indian lands..... 1,125 Acres
Non-Indian lands.....14,450 "
Total.....15,575 "

Additional acres irrigable..24,265
Total acres irrigable.....39,840

Name of Ditch, Location and Other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Two old Abondoned ditches heading in Alamillo Canyon.			
Alamillo.			
W. side 1 3/4 Mi. No. of Alamillo Station. "Old"	11.25	150	150
Polvadera.			
W. side 3/4 Mi. N.E. of Alamillo Station. "Old"	15.18	250	100
Lomitar.			
W. side ½ mile S. of Alamillo Station. "Old".	46.87	3375	1125
Socorro.			
W. side 2 miles S.E. of Lomitar. "Old".....	40.50	775	
Pueblito.			
E. side ½ mile N.E. of Pueblito. "Old"..... (*Not included in District)	*7.00	*160	*640
Cuba.			
W. side 1½ miles N.E. of Socorro. "Old".....	21.00		600
Luis Lopez.			
W. side 3/4 mile N.E. of Socorro. "Old".....	25.50	750	
San Antonio.			
W. side near town of San Jose. Prior to 1855..	36.00	800	
Bosquecito.			
E. side 1½ miles N. of Bosquecito. Prior to 1855 (*Not included in District)	*36.00	*1000	*1500
San Pedro.			
E. side 1 mile N. of San Pedro. Prior to 1855 *(Not included in District)	*10.50	* 400	* 600
San Antonito.			
W. side 1 mile N. of Scntonito. 1891.....	10.50	400	

Summary of Socorro Division: Number of ditches included in District....8	Aggregate capacity.....	206.80 S.F.
	Acres irrigated.....	6500 Acres
	Additional ac. irrigable	1975 Acres
	Total acres irrigable	8475 Acres

Ditches Between Conservancy District South Boundary and Elephant Butte Reservoir.

Name of Ditch, Location, and other Data	Capacity Cubic Feet Per Second	Acres Irrigated	Additional Acres Irrigable
Elmendorf.			
W. side of river E. of San Antonio "New"..... (Not completed in 1910. Territorial application No. 2 - probably not perfected.)	110		20,000
Val Verde.			
N. side of river 5 miles E. of Val Verde. Constructed prior to 1869.....	40.50	800	3,800
La Mesa.			
E. side of river 1 mile N. of Val Verde. Constructed prior to 1869.....	11.25	200	200
San Marcial.			
W. side of river just above San Marcial. Constructed prior to 1869.....	12.00?	500	
Contadero.			
E. side of river ½ mile N. of R.R. bridge. "Ancient".....	20.00	1000	1,000

Summary:

No. of ditches.....	5	
Aggregate capacity.....	193.75	Second Feet
Acres Irrigated.....	2,500	Acres
Additional acres irrigable...	25,000	Acres
Total acres irrigable.....	27,500	Acres

Ditches Included in Middle Rio Grande Conservancy District

	Cochiti Division	Albuquerque Division	Belen Division	Socorro Division	Total All Divisions
Number of ditches:					
Indian	7	2	4		13
Non-Indian	3	17	27	8	55
Aggregate Capacity	180.14	591.00	887.87	206.80	1865.81
Acres Irrigated:					
Indian	3,900	1,700	1,125		6,725
Non-Indian	1,700	12,185	14,450	6,500	34,835
Additional Acres:					
Irrigable	2,350	17,550	24,265	1,975	46,140
Total Acres Irrigable	7,950	31,435	39,840	8,475	87,700

Ditches not included in Middle Rio Grande Conservancy District.

Number of ditches	9	
Aggregate capacity	250.25	Second Feet
Acres irrigated	4,160	Acres
Additional acres irrigable	26,840	"
Total acres irrigable	31,000	"

87,700
31,000
118,700

Allowing for the fact that Mr. Yeo's figures were estimates while the District figures were made from actual surveys, and also allowing for possible differences in classification, or temporary condition, it seems probable that about the same amount of land was irrigated in 1910 as in 1927.

Considering Table 1, p. 7, "Summary of Areas", it is evident that all items listed as irrigated land, 44,171.03 + 6,979 + 675 have been continuously irrigated from and after 1910 (as indicated by the Yeo report) and in fact since very early times, (in some cases prehistoric) as a matter of common knowledge. Such lands have an undisputed water right prior to any rights on the river. The total amount of lands having such rights is as follows:

(See table 1 p. 7)

White Ownership	46,272 Acres
(1) Indian Ownership	6,979 Acres
(2) Disputed Ownership	675 Acres
Total Irrigated	53,926 Acres

Note (1) Exact figure to be determined by U. S. Indian Service.

Note (2) Ownership to be determined by Pueblo Lands Board.

Lands lying above present ditches have never been irrigated. They have never made any beneficial use of water and consequently no water right has been perfected. This applies particularly to items (h), (i), (j), (k), and (n) the aggregate amount of which is 15,260 acres.

Items (e) "Salt grass", (f) "Bosque" and (g) "Swamp and lake", remain to be considered. (Similar classification for item (m) "Non-cultivated Indian land", is not as yet available.)

The sum of item (e) "salt grass, and item (g) swamp and lake" is 26,659 acres. It is the contention of the district that this land was at one time irrigated and cultivated and that it had a perfected water right, but that through the swamping of lands due to conditions beyond the control of the owners, irrigation was necessarily discontinued without, however, any intent to abandon the water rights previously perfected. As a matter of fact, a continuous chain of effort looking toward the ultimate reclamation of such lands has culminated in the organization of the Middle Rio Grande Conservancy District, and the preparation of its Official Plan of reclamation.

The Conservancy District therefore contends that the lands of the Middle Rio Grande Valley having perfected prior water rights are as follows:

(1) 53,926 Acres continuously irrigated
(2) 26, 859 " with irrigation temporarily discontinued

80,785 Total Acres

The balance of 42,482 acres making up the total of 123,267 acres consists of:

(f) Bosque.....	15,030	Acres
(h) Sand dunes.....	4,650	"
(i) Mesa & Upland.....	6,280	"
(j) Gravelly land.....	529	"
(k) Rural homesites.....	913	"
(m) Indian non-cultivated.	12,022	"
(n) Indian new area.....	2,887	"
(p) Disputed ownership non-cultivated.....	171	"
Total	42,482	"

Notes:

Items "m", "n", and "p" may be changed in some degree by rulings of the U. S. Indian Service and the Pueblo Lands Board.

It is further contended that as to 80,785 acres within the district a perfected water right exists, to the extent of 3 acre feet of water per acre per annum, or a total of 242,355 acre feet per year, from the natural flow of the Rio Grande.

It is proposed to supply an equivalent amount of water per acre (viz. 3 acre feet per acre per annum) to the 42,482 acres of new lands by means of drainage of water logged lands, as described in the official plan and as shown on the accompanying maps.

At 3 acre feet per acre per year for 42,482 acres, the water requirement will be 127,446 acre feet per year. The estimated return of drainage water to the river, (based upon figures of drainage return in the Mesilla Valley,) is about 285,000 acre feet per year, more or less, or more than twice the required amount. It appears from the above that the supply will be more than adequate.

In order to safeguard still further, the existing rights and the supply for new lands, the District proposes as a part of its Official Plan the construction of a reservoir on the Rio Chama, with a capacity of 198,110 acre feet, for the purpose of regulating and equalizing the flow of that stream and supplementing the low season flow of the Rio Grande with stored water during the irrigation season.

Claims and Filings.

It is claimed that all of the ditches now situated within the boundaries of the District have secured and perfected water rights by diversion and beneficial use, and these rights constitute a prior right to the normal flow of the Rio Grande, and that the Middle Rio Grande Conservancy District, under the Act of March 11, 1927, providing for the organization and operation of said district, is the successor in right to divert and distribute waters under these acquired rights, without making filings thereon. The waters so diverted and distributed will be used upon the lands under these ditches as consolidated and rebuilt under the improved system of diversion and distribution. Separate filings have been made for the water to be stored in the El Vado reservoir.

Changes in Place of Use

As a part of the District's Flood control plan, it is proposed to establish a flood channel between levees spaced at such distances apart as to define a channel of capacity sufficient to carry more than the greatest flood of record. In many places this flood channel is of considerably greater width than the present river channel. In such places, it is proposed to abandon irrigation in such areas, between the present river banks and the levees and to use water rights, pertaining to such lands, where any rights exist, on other lands within the District. It is manifestly not possible at the present time prior to final location of such levees, definitely to describe each individual area in strict compliance with the usual prescribed form. The district extends for over 150 miles along the river and such a description would be voluminous, inaccurate and immaterial.

In certain areas the proposed drainage and irrigation canals will necessarily cross irrigated and cultivated lands, which have perfected prior water rights. Obviously, over the area of the rights-of-way through such lands, irrigation will be discontinued. It is proposed to change the place of use of the water pertaining to such lands to other lands within the district.

Pending final location of all drains and canals it is not possible definitely to describe all such tracts from which it is proposed to change the place of use of such water rights, nor is it possible to describe the particular area of land on which the water is to be used.

Considering the area within the boundaries of the district as a whole it may be said that the area of present and proposed rights-of-way for drains, canals, laterals, floodways, towns, railways, and roads, will in the aggregate amount to about 18,000 acres. It is not possible to determine the exact amount of water right pertaining to this acreage.

Changes of Points of Diversion.

The Middle Rio Grande Valley, within the limits of the Conservancy District, is divided, by reason of topography, into four natural areas or divisions, each of which may be irrigated by ditches diverting at a single diversion dam.

The Official Plan contemplates the construction of four diversion dams, one near the mouth of White Rock Canyon, one near Algodones, one near Isleta, and one near San Acacia, as shown on the accompanying maps.

The White Rock Canyon, or Cochiti Diversion Dam, will divert water into two main canals, one on each side of the river, for the irrigation of the Cochiti Division, extending south from said dam, to a point near Angostura.

It is proposed to transfer the points of diversion of present ditches heading in this area, to these two proposed main canals heading at the proposed Cochiti Diversion Dam.

The names of these ditches together with their present locations, capacities and other data are given in Table 2, pages 9 and 10 of this statement, and are shown on the accompanying map of the Cochiti Division together with ties to section corners found or projected.

The Angostura Diversion Dam, will divert water into the Albuquerque Main Canal, at a point near Angostura, as shown on the accompanying map of the Albuquerque Division, for the irrigation of lands south from this point to a point near Isleta.

It is proposed to transfer the points of diversion of the present ditches heading in this area, to the point of diversion of the proposed Albuquerque Main Canal.

The names of these ditches together with their present locations, capacities and other data, are given in Table 2, pages 11, 12 and 13 of this statement and are shown on the accompanying map of the Albuquerque Division, together with ties to section corners found or projected.

The Isleta Diversion Dam will divert water into two main Canals; The Belen Main Canal on the west side of the river, serving lands south from said dam to a point near the mouth of the Rio Puerco, and by means of a siphon river crossing, also serving lands on the east side of the river in the area from Casa Colorado to La Joya; and the Peralta Main Canal on the east side of the river, serving lands from Isleta to a point near the east end of the Belen highway bridge.

It is proposed to transfer the points of diversion of the present ditches, heading in these areas, to the points of diversion of said Belen and Peralta Main Canals.

The names of these ditches together with their present locations, capacities and other data are given in Table 2, pages 14, 15 and 16 of this statement and are shown on the accompanying map of the Belen Division, together with ties to section corners, found or projected.

The San Acacia Diversion Dam will divert water into the Socorro Main Canal, which will irrigate lands on the west side of the river from San Acacia south to the north line of the Bosque del Apache Grant.

It is proposed to transfer the points of diversion of the present ditches, heading in this area, to the point of diversion of said proposed Socorro Main Canal.

The names of these ditches together with their present locations, capacities and other data, are given in Table 2, page 17 of this statement and are shown on the accompanying map of the Socorro Division, together with ties to section corners, found or projected.

It is proposed, in general, to consolidate all of the present ditches now serving the lands lying within the limits of the Conservancy District into a new irrigation system, consisting of six main canals, heading at four diversion dams as above set forth. Should any other present ditch be found, which is not included in the above Table 2, it is proposed to transfer its point of diversion, to that of the proposed canal next above it on the stream, to the end that all ditches within the District shall head at one or the other of the four proposed diversion dams, with the possible exception of the San Felipe West Side Ditch, which may require a separate heading.

The proposed irrigation system is more fully described in the "Report of the Chief Engineer, Submitting a Plan for Flood Control, Drainage and Irrigation of the Middle Rio Grande Conservancy Project." Copies of Volume 1 and Volume 2 are herewith submitted, as a part of this statement.

Property maps are on file, in the Conservancy District office, in the District Court of the Second Judicial District, and with the County Officials of Sandoval, Bernalillo, Valencia and Socorro Counties.

Preliminary construction plans of the four diversion dams are also submitted herewith.

Respectfully Submitted
MIDDLE RIO GRANDE CONSERVANCY DISTRICT
By

Vice-President.

ATTEST:

Secretary.

APPROVED:

Attorney.

APPROVED:

Hydraulic Engineer