—·— Lt. bank
- - - Rt. bank
—··— Top I.B.& W.C. Levee
○ Water surface as of date of survey
☒ Normal H.W.S.
▮ Bridge
●—● Flume

B.M. Elev. 3692.65 on brass plate in east end concrete headwall old outlet culvert

1960 Condition profile surveyed
Nov. 2-4, 1960 (Field Bk. No. 17K-10)
(Sta. 70+00 to 161+00)

Sta. 0+00 to 70+00 - Resurveyed - Breiten May 22, 1963
Replotted - R.C. Checked - E.R.J. May 1963
Field Book - #14 - File A (NV)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
RIO GRANDE PROJECT NEW MEXICO — TEXAS

## MONTOYA DRAIN
## 1956 CONDITION PROFILE

SCALES: 1" = 10' VERT. 5-16-56
1" = 400' HOR.
FIELD BOOK NO. 17K-6B-7
DRAWN RLZ
CHECKED JWM - ERJ ERJ 5/28/63
23-503-5793

9'-2"

3700
3690
3680
River W.S.
River Bottom
0+00 Rio Grande Channel
0+80 ℄ 26" Steel Pipe
1+24 ℄ I.B.&W.C. Levee
1+95 ℄ Montoya Intercepting Drain Inlet - Rt.
3+58 - 4" Steel Pipe
0+82 Exit 18' Transition
3-5'x5'x45' Conc. Box Culv.
1+65 Ent. 20' Transition
15+37 - 6" Pipe - Inlet Lt.
15+56 - 15" Pipe - Inlet Lt.
16+28 - 3" Pipe - Inlet Lt.
17+00 Back =
12+25 Ahead
EQUATION 17+00 BACK = 12+25 AHEAD
17+57 Overhead powerline - Elev. 3811.0±
20+17 ℄ Concrete Bridge - 1 span - 42' x 69' Main Entrance Sunland Park
25+46 ℄ Concrete Bridge - 1 span - 13' x 62' Sunland Park - Barn to Track Road Overhead powerline - Elev. 3798.4±
30+29 - 8" Pipe - Inlet Rt.
38+32 ℄ Montoya Main W.W. - 42" x 15' PCP Inlet - Rt.
45+17 - 8" Pipe - Inlet Rt.
54+19 ℄ Timber Bridge - 3 span - 26' x 63' Gibson - Veck Drive
60+89 ℄ Goebel Farm Flume 24" x 99' CMP
77+03 Texas - New Mexico State Line
86+06 ℄ Frontera Drive 3 span timber bridge
B.M. Elev. 3694.39 brass plate in concrete monument north side Frontera road and east right/way Montoya drain
116+99 ℄ Lat. "C" flume. 36" x 146' CMP
B.M. Elev. 3699.92 on north end of east concrete headwall sta. 116+99
127+40 ℄ Birdway drive no crossing
B.M. Elev. 3698.59 on concrete right/way monument toe right bank sta. 147+00
147+00 Outlet Nemexas Drain Connection.
149+00 Outlet White Spur arroyo
161+42 ℄ Sunset Drive 36" x 66' C.M.P.
177+27 ℄ Poplar Drive 36" x 70' C.M.P.
B.M. Elev. 3701.66 on Montoya test well G-4 under fence west side Rosemont sta. 186+31
184+52 South line El Paso Country Club
186+31 ℄ Foot bridge 3-span timber 5' x 50'
188+33 ℄ Foot bridge 3-span timber 5' x 50'
190+37 ℄ Foot bridge 3-span timber 5' x 50'
191+71 ℄ Foot bridge 3-span timber 5' x 50'
B.M. Elev. 3703.22 on 2" pipe south west corner of bridge sta. 190+37
B.M. Elev. 3705.81 north end concrete headwall entrance lateral 'B' culvert
Elev. Top of pipe
New Invert Elev. 3589.0
1960 Condition Profile
1961 Condition Profile
W.S.
N.S. Lt
N.S. Rt
H.W.
LEVEL
S = .00033
S = .00075
S = .00085
3682.00
3692.50
3685.50
3703.40
Construction grade
Cleaning grade S = .00033
NOTE: Clean to indicated cleaning grade.
NOTE: Clean to original construction grade above Sta. 145+00
222+82 ℄ Country Club Road 36" x 110' C.M.P.
Country Club entrance road
241+20 ℄ Lindbergh Drive 36" C.M.P. Culvert.
263+04 ℄ Mulberry Drive 36" x 70' C.M.P. culvert
267+12 ℄ Montoya Main Canal 36" x 142' C.M.P. culvert
B.M. Elev. 3713.12 on north west corner concrete lining
283+10 ℄ Redd County road 30" x 60' C.M.P. culvert
291+42 ℄ Farm road & lateral crossing 24" C.M.P. culvert
301+68 ℄ 30" C.M.P. Flume
B.M. Elev. 3712.82 top concrete headwall east end flume
328+25 ℄ County road 36" x 70' C.M.P. culvert
338+43 ℄ No. 108 Lemon farm flume
3710
3720
3730
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
340
350

B.M. Elev. 3720.00 brass plate on concrete check sta. 228+34 Canutillo canal at head of Montoya main canal

B.M. Elev. 3717.88 top concrete headwall end Montoya main canal river syphon sta. 5+00

B.M. Elev. 3713.43 on anchor bolt SE cor. flume Sta. 338+43

UNITED STATES
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RIO GRANDE PROJECT NEW MEXICO-TEXAS

## MONTOYA DRAIN
## 1956 CONDITION PROFILE

SCALES: 1" = 10' VERT. 5-16-56
1" = 400' HOR. Rev. 3-18-59
FIELD NOTE BOOK NO. 17K-6B-7
DRAWN R.L.Z.
CHECKED J.W.M. - E.R.J.
23-503-5793

PE-D

D-3d