HYDROLOGY

F20/D17

TWO PLANS

2 PLANS FOR

EUBANK + OSONA

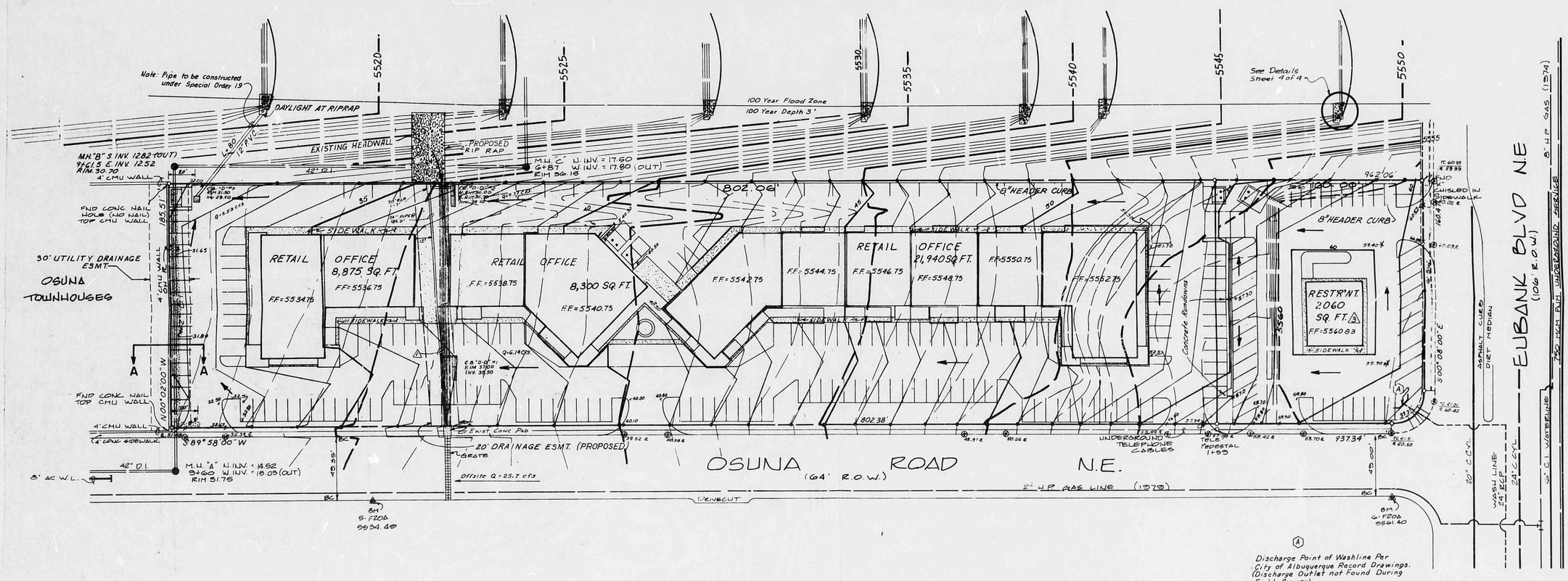
F20-D17

AD 22440A

Description:
Tract "B" of Lands
of A.G.P. Summary Plat
as Filed in the Office
of the Bernalillo County
Clerk on April 12, 1977
in Vol. D-7 Folio 157

SCALE: 1" = 40'

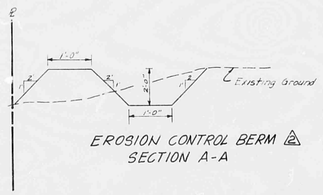
Note: RipRap only to be included in W.O. 2556



LEGEND

- Erosion Control Berm
- Flow Arrows
- Curb Opening
- Concrete Rundown
- Existing Spot Elevation
- Proposed Spot Elevation
- Drop Structure
- Existing Channel (To Be Removed)
- Single "D" Catchbasin — Note: To be Constructed in Accordance with C.O.A. Dwg. K-6
- Double "D" Catchbasin
- Wire enclosed Riprap — Note: To be constructed in Accordance with C.O.A. Dwg. K-26

Note:
Header Curb
To be Constructed
in Accordance
with C.O.A. Dwg. P-8



EROSION CONTROL BERM
SECTION A-A

APPROVED FOR ROUGH GRADING (±1.0')
HYDROLOGY — DATE 5-16-85

DRAINAGE APPROVED FOR FOUNDATION CITY ENGINEER — SIGNATURE — TITLE

EXHIBIT III

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

RECEIVED AUG 14 1985 HYDROLOGY SECTION

TITLE: BEAR CANYON PLAZA
DRAINAGE & GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	MAP NO.	SHEET	OF
2556	F-20	3	4

DGA Job No. 793.12

F20/D17

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

BENCH MARKS

The station is located at the intersection of Osuna Rd. and Eubank Blvd in the Southwest quadrant of the intersection. Station mark is established by ACS, a "□" cut on the top of concrete curb at W.S.W. curb return.

AS BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
VERIFICATION BY FIELD		DATE
VERIFIED, CORRECTED BY		DATE

MICRO-FILM INFORMATION

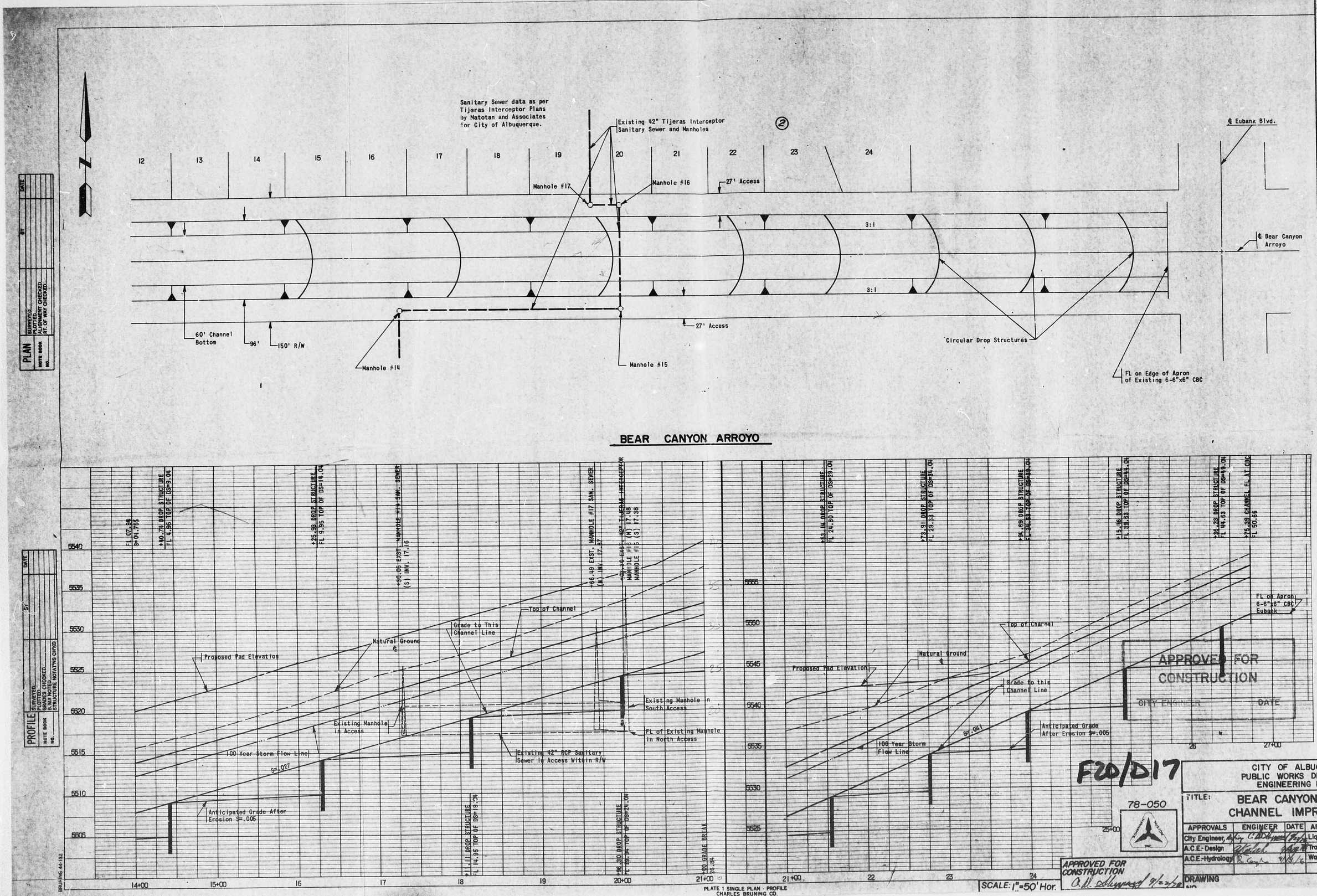
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL — GARY W. TIBLIA — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 5117

NO.	DATE	REMARKS
3	8-13-85	Raised F.F.
2	7-15-85	Erosion control berm
1	7-10-85	24" culvert relocated

REVISIONS

DESIGN		
DESIGNED BY	J.A.J.	DATE 03/1985
DRAWN BY	E.L.O., J.C.S., K.Z.	DATE 03/1985
CHECKED BY	L.C.G.	DATE 03/1985


Sanitary Sewer data as per Tijeras Interceptor Plans by Matotan and Associates for City of Albuquerque.
Existing 42" Tijeras Interceptor Sanitary Sewer and Manholes
2
12
13
14
15
16
17
18
19
20
21
22
23
24
Manhole #17
Manhole #16
27' Access
3:1
3:1
℄ Eubank Blvd.
℄ Bear Canyon Arroyo
60' Channel Bottom
96'
150' R/W
Manhole #14
Manhole #15
27' Access
Circular Drop Structures
FL on Edge of Apron of Existing 6-6"x6" CBC
BEAR CANYON ARROYO
FL 107.83
S=.04.75%
+40.74 DROP STRUCTURE FL 4.95 TOP OF DS=9.04
+215.38 DROP STRUCTURE FL 9.95 TOP OF DS=14.04
+80.05 EXIST. MANHOLE #14 SAN. SEWER (S) INV. 17.16
+66.49 EXIST. MANHOLE #17 SAN. SEWER (W) INV. 17.57
+89.89 EXIST. HOP TIJERAS INTERCEPTOR MANHOLE #16 (N) 17.48 MANHOLE #16 (S) 17.38
+53.14 DROP STRUCTURE FL 24.90 TOP OF DS=29.04
+73.91 DROP STRUCTURE FL 29.91 TOP OF DS=34.04
+98.69 DROP STRUCTURE FL 34.83 TOP OF DS=39.04
+13.46 DROP STRUCTURE FL 39.63 TOP OF DS=44.04
+36.23 DROP STRUCTURE FL 44.63 TOP OF DS=49.04
+75.39 CHANNEL FL AT CBC FL 50.56
5540
5535
5530
5525
5520
5515
5510
5505
5555
5550
5545
5540
5535
5530
5525
Proposed Pad Elevation
Natural Ground
Grade to This Channel Line
Top of Channel
Existing Manhole in Access
100 Year Storm Flow Line
S=.027
Anticipated Grade After Erosion S=.005
Existing Manhole in South Access
FL of Existing Manhole in North Access
Existing 42" RCP Sanitary Sewer in Access Within R/W
+21.41 DROP STRUCTURE FL 14.95 TOP OF DS=19.04
+96.30 DROP STRUCTURE FL 19.95 TOP OF DS=24.04
100 GRADE BREAK 15.04
Proposed Pad Elevation
Natural Ground
Top of Channel
Grade to this Channel Line
100 Year Storm Flow Line
S=.041
Anticipated Grade After Erosion S=.005
FL on Apron 6-6"x6" CBC Eubank
APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE
14+00
15+00
16
17
18
19
20+00
21+00
21+00
22
23
24
25
25+00
27+00
SCALE: 1"=50' Hor.
APPROVED FOR CONSTRUCTION
PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.
BRUNING 44-132
PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R/W OR MAP CHECKED
NOTE BOOK NO.
BY
DATE
PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK NO.
BY
DATE
F20/D17
78-050
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
TITLE: BEAR CANYON ARROYO CHANNEL IMPROVEMENTS
APPROVALS
ENGINEER
DATE
City Engineer
A.C.E.-Design
A.C.E.-Hydrology
Liquid Waste
Traffic
Water
DRAWING NO.
SHEET 12
APPROVED FOR CONSTRUCTION
AS-BUILT INFORMATION
CONTRACTOR
WORK ACCEPTED BY
DATE
CONTRACT COMPLETED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
BENCH MARKS
1. B.M. NO. 6-F20 "□" CUT NEW CURB RTRN. AT SOUTHWEST QUAD. OF EUBANK AND OSUNA INTERSECTION ELEV.=1695.141 METERS.
2. B.M. NO. 5-F20A "□" CUT ON CURB ON SOUTH SIDE OF OSUNA ±800 FT. WEST OF OSUNA AND EUBANK INTER.
SURVEY INFORMATION
FIELD NOTES
NO.
BY
DATE
REFERENCES
MAP NO. F-20
EST. NO.
W.O. NO.
REMARKS
REVISIONS
DESIGN
NO.
DATE
BY

HYDROLOGY

F20/D17
TWO PLAN

F20-D17

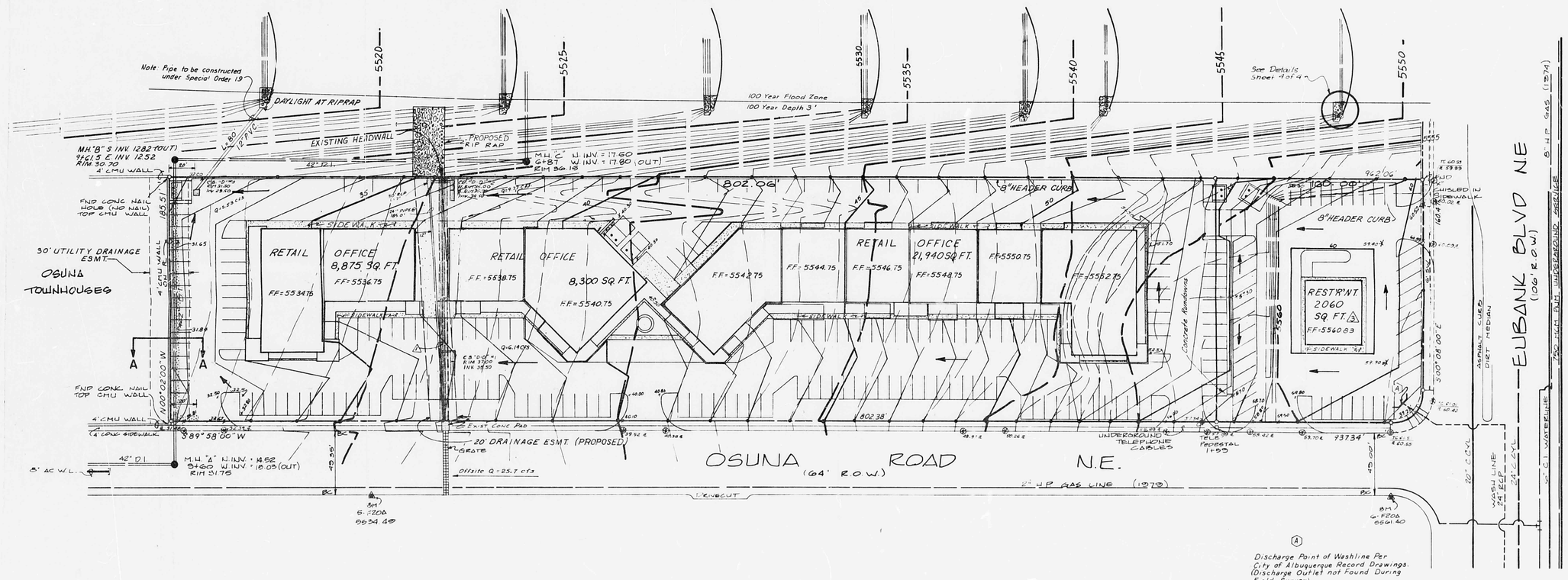
2 PLANS

AF 22440A

Description:
Tract "B" of Lands of A.G.P. Summary Plat as Filed in the Office of the Bernalillo County Clerk on April 12, 1977 in Vol. D-7 Folio 157

SCALE: 1" = 40'

Note: RipRap only to be included in W.O. 2556



APPROVED FOR ROUGH GRADING (±1.0')
HYDROLOGY DATE 5-16-85

LEGEND

- Erosion Control Berm
- Flow Arrows
- Curb Opening
- Concrete Rundown
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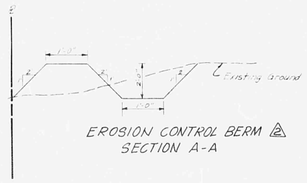
Note: Header Curb To be Constructed in Accordance with C.O.A. Dwg. P-8



EROSION CONTROL BERM
SECTION A-A

APPROVED FOR PUBLIC IMPROVEMENT
DRAINAGE
SIGNATURE DATE

EXHIBIT III

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

RECEIVED AUG 14 1985 HYDROLOGY SECTION

TITLE: BEAR CANYON PLAZA
DRAINAGE & GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO.	MAP NO.	SHEET	OF
2556	F-20	3	4

DGA Job No. 793.12

F20/D17

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

The station is located at the intersection of Osuna Rd. and Eubank Blvd in the Southwest quadrant of the intersection. Station mark is established by ARCS, a "□" cut on the top of concrete curb at W.S.W. curb return.

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

ENGINEER'S SEAL

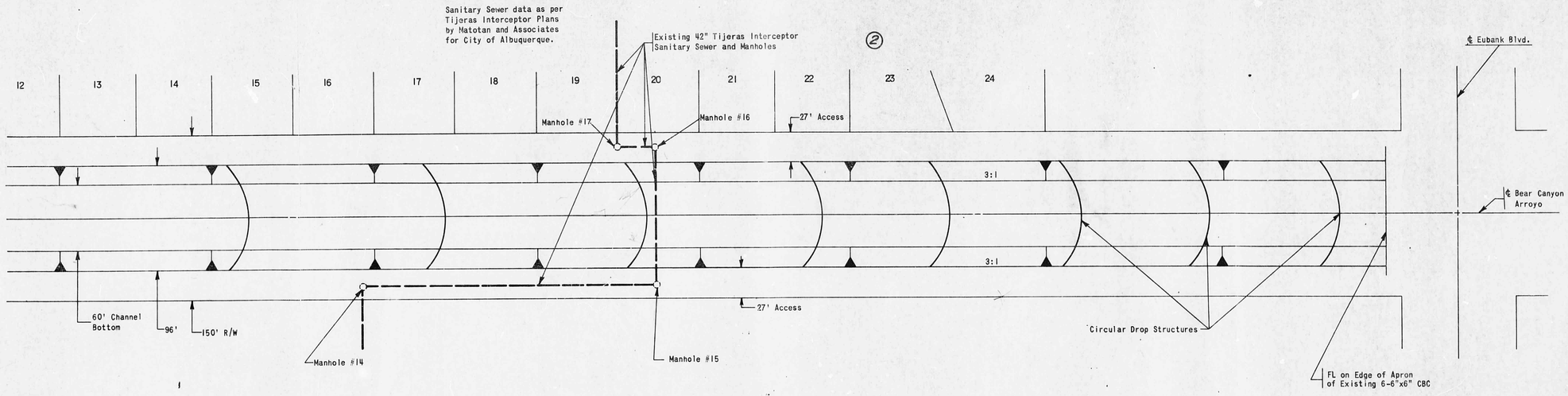
CARY R. TIBLE N.M. REG. 8118 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
3	8-13-85	Raised F.F.	
2	7-5-85	Erosion control berm	
1	7-10-85	24" Culvert relocated	

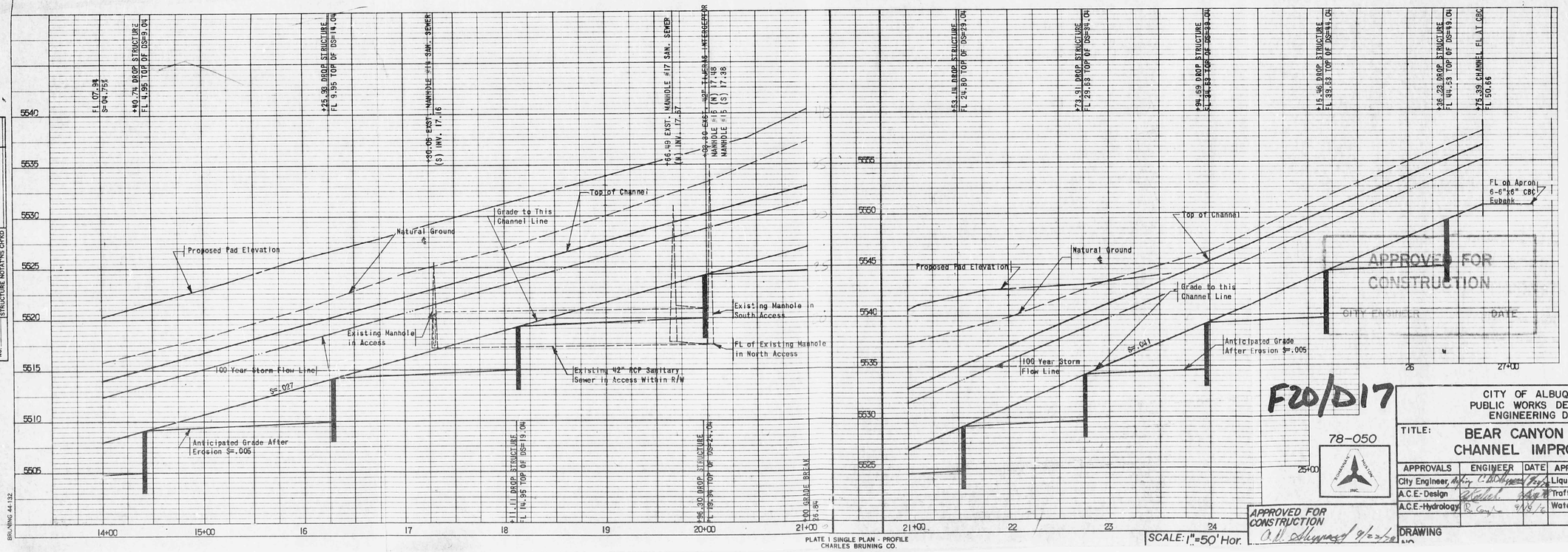
REVISIONS

DESIGN		
DESIGNED BY	L.A.J.	DATE 03/1985
DRAWN BY	E.L.O., J.C.S., K.Z.	DATE 03/1985
CHECKED BY	L.C.G.	DATE 03/1985

THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT



BEAR CANYON ARROYO



F20/D17

78-050

APPROVED FOR CONSTRUCTION
A.H. Shepard 9/2/78

SCALE: 1"=50' Hor.

PLATE 1 SINGLE PLAN - PROFILE
CHARLES BRUNING CO.

BRUNING 44-132

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED. NOTE BOOK NO. BY DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M.'s NOTED, STRUCTURE NOTATIONS CHKD. NOTE BOOK NO. BY DATE

AS-BUILT INFORMATION: CONTRACTOR, ACCEPTED BY, DATE, DRAWINGS CORRECTED BY, DATE

MICRO-FILM INFORMATION: REFERENCED BY, DATE

BENCH MARKS: 1. B.M. NO. 6-F20 "□" CUT WSW CURB RTRN. AT SOUTHWEST QUAD. OF EUBANK AND OSUNA INTERSECTION EL=1695.141 METERS. 2. B.M. NO. 5-F20A "□" CUT ON CURB ON SOUTH SIDE OF OSUNA ±800 FT. WEST OF OSUNA AND EUBANK INTER.

SURVEY INFORMATION: FIELD NOTES — NO. | BY | DATE

REFERENCES: MAP NO. F-20 | W.O. NO. | EST. NO.

REVISIONS: NO. | DATE | REMARKS | BY

DESIGN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: BEAR CANYON ARROYO CHANNEL IMPROVEMENTS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer, Acting	C.H. Shepard	9/2/78	Liquid Waste	
A.C.E.-Design			Traffic	
A.C.E.-Hydrology	R. Cole	9/15/78	Water	

DRAWING NO.

SHEET 12