PROJECT DATA:

LAND DESCRIPTION
Zone: Map Reference:

STRUCTURAL DESIGN CRITERIA
Roof Live Load
Floor Live Loads:
Basement
First
Mezzanine
Second
Third
Wind Load
Seismic Zone
Fire Zone
Type of Construction
Occupancy
Glass Glazing:
Lumber
Steel
Soil Bearing Capacity

CONCRETE STRENGTHS. 28 DAY TEST
Slab Fill
Floor Slabs, Sand Beams
Footings, Walls
Exterior Walks, Slabs, etc.

FLOOR AREAS — **SQ. FT. ALLOWABLE**
Basement
First
Mezzanine
Second
Third
Total Area
Occupant Load
Parking Required
Parking Provided

Multistory
Separation
Separation
Total Allowable

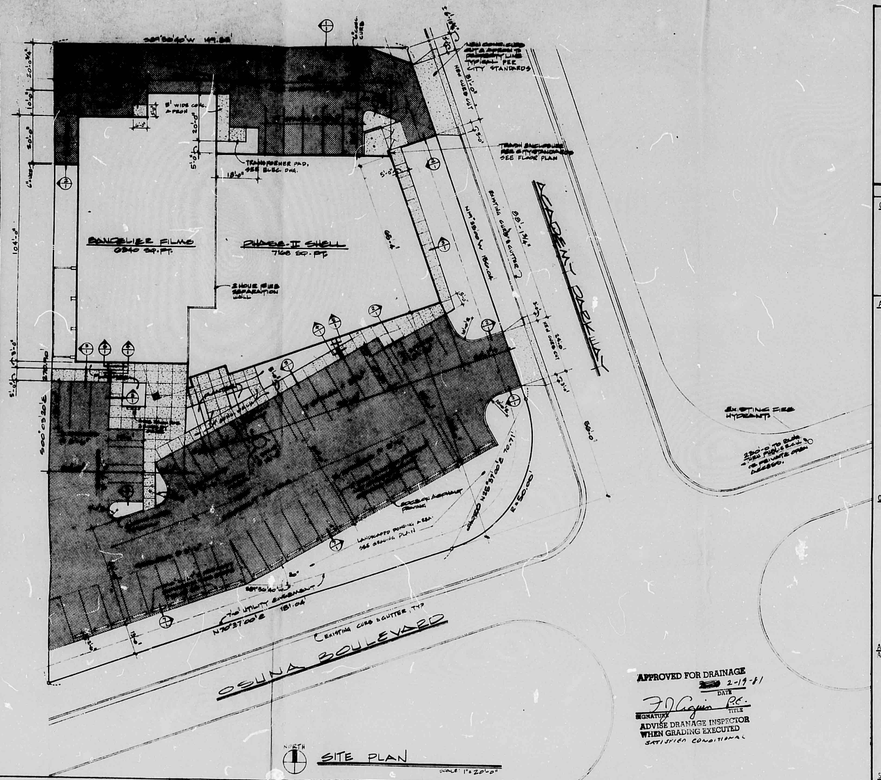
REFUSE CONTAINERS

Owner to provide refuse containers per requirements of City of Albuquerque.

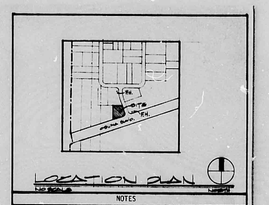
GENERAL NOTES

1. General Contractor to be responsible for compliance with requirements of City of Albuquerque Department of Environmental Health Air Management Division regarding control of dust from excavation and grading operations. Contractor shall obtain topsoil removal permit.
2. Affected Contractor to verify exact location of all utilities.

* AND ** - SEE NOTES TO RIGHT ON THIS SHEET FOR CALCULATIONS.



SITE PLAN



LOCATION PLAN

NOTES

OCCUPANT LOAD

Bandelier Films	- 1814 @ ' Offices	= 19 occup (1/100)
	- 4060 @ ' Warehouse	= 16 occup (1/300)
	Subtotal	= 35 occup (2 Exits Req'd)
Phase II	- 2150 @ ' Offices	= 22 occup (1/100)
	- 5018 @ ' Warehouse	= 17 occup (1/300)
	Subtotal	= 39 occup (2 Exits Req'd)
	TOTAL	= 74 occupants

AREAS SERVED BY SEPARATE EXITS TO EXTERIOR.

		Sq. Ft.
EXIT DOOR (6)		
18	Xerox	188
23	Office	75
24	Watercolor	553
25	Workroom	64
26	Artist	80
27	Lav-Jan	40
	TOTAL	1000
EXIT DOOR (8)		
20	Projection	116
21	Sound	37
22	Taping	988
28	Storage	185
29	Storage	134
	TOTAL	1460

OFFICE AREAS SERVED BY EXIT DOOR 1

1	Waiting	175
2	Secretary	164
3	Bookkeeper	108
4	Office	150
5	Office	240
6	Office	195
10	Guest Office	120
13	Darkroom	144
16	Oxberry	270
17	Moviola	246
	TOTAL	1814 ÷ 100 = 19 occup

(Actual No. of principals and employees is 9)

ACCESSORY AREAS (Not occupied coincidentally with "Office Areas")

7	Closets	45
8	Coffee	75
9	Atrium	616
11,12	Toilets	153
14	Aux. Cutting	109
15	Splicing	77
19	Tape Vault	140
31	Halls	385
	TOTAL	1600

SQUARE FOOTAGE RECAP:

1814 Offices
1600 Accessory
1000 Exit 6
1460 Exit 8
5874 NET

PARKING REQUIRED

Bandelier Films -	1814 @ ' Offices	= 10 cars (1/200)
	4060 @ ' Warehouse	= 3 cars (1/2000)
	Subtotal	= 13 cars
Phase II - (30%)	2150 @ ' Offices	= 11 cars (1/200)
	5018 @ ' Warehouse	= 3 cars (1/2000)
	Subtotal	= 14 cars
	TOTAL	= 27 cars

no.	date	revision

ART DEKKER
architect · engineer
2403 san mateo n.e.
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plaza 15
87110
884-3888

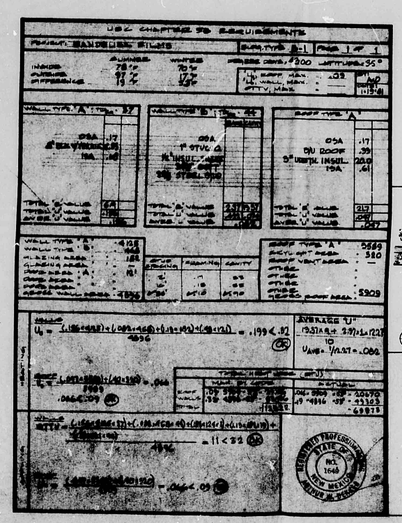
BANDELIER FILMS & PHASE II SHELL
365 CESNA BLVD N.E. ALBUQUERQUE N.M.

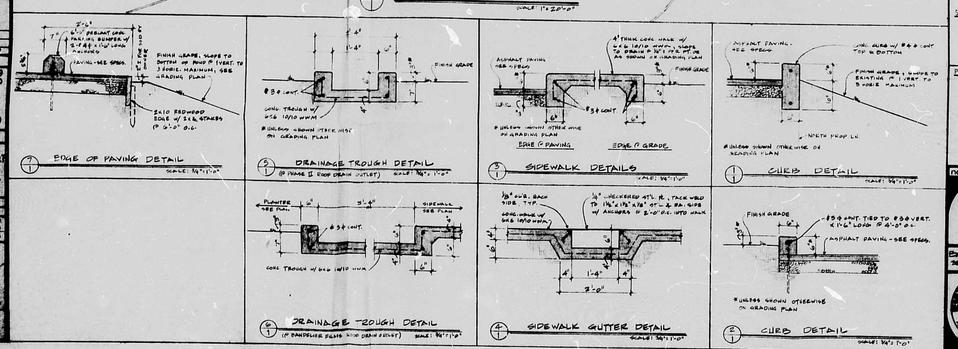
REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO NO. 1649 ARTHUR W. DEKKER

STATE OF NEW MEXICO ARTHUR W. DEKKER REGISTERED ARCHITECT NO. 4411

job no.
drn by
chd by
issued 1-22-81
sheet 1 of 13

USE CHAPTER 70 REQUIREMENTS





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PLANS/PLATS ON FILE

FILE DESC: E-17/D001D

PLANS/PLATS 2

F 30 D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D F

PROJECT DATA:

LAND DESCRIPTION
Code 1 017 062 056 347 20217
Lot(s) 6A
Block A
Addition UNITONE SEPARATE VERTICAL PLAT
Zoned M-1 Map Reference E-17-Z

STRUCTURAL DESIGN CRITERIA
Roof Live Load 20 PSF
Floor Live Loads
Basement
First 70 OFFICE, 125 WHT LOADING
Mezzanine
Second
Third
Wind Load 15 PSF
Seismic Zone 2
Fire / Zone 3
Type of Construction IV-N
Occupancy S-2
Stress Values
Lumber 1500 PSI DEPT. FIR STANDARD
Steel 36,000 PSI - WF, 24,000 PSI BEAMS
Soil Bearing Capacity 2,000 PSF

CONCRETE STRENGTHS. 28 DAY TEST
Block Fill 2500 PSI
Floor Slabs, Bond Beams 2500 PSI
Footings, Walls 2500 PSI
Exterior Walks, Slabs, Etc 3000 PSI AIR ENTRAINED

FLOOR AREAS		SQ. FT. ALLOWABLE	
Basement		Base	8000 SQ. FT.
First	12,500		
Mezzanine		Multistory	
Second		Separation 60	
Third		Sprinklers	
Total Area	12,500	Separation 2 Sides	2000 SQ. FT.
* Occupant Load	74	Total Allowable	11,000 SQ. FT.
** Parking Required	27	50 SPACES + 2 HCW WAY	7,165 SQ. FT.
Parking Provided	54	DUE TO SEPARATION WALL	

REFUSE CONTAINERS

Owner to provide refuse containers per requirements of City of Albuquerque.

GENERAL NOTES

1. General Contractor to be responsible for compliance with requirements of City of Albuquerque Department of Environmental Health Air Management Division regarding control of dust from excavation and grading operations. Contractor shall obtain appropriate removal permit.
2. Affected Contractor to verify exact location of all utilities.

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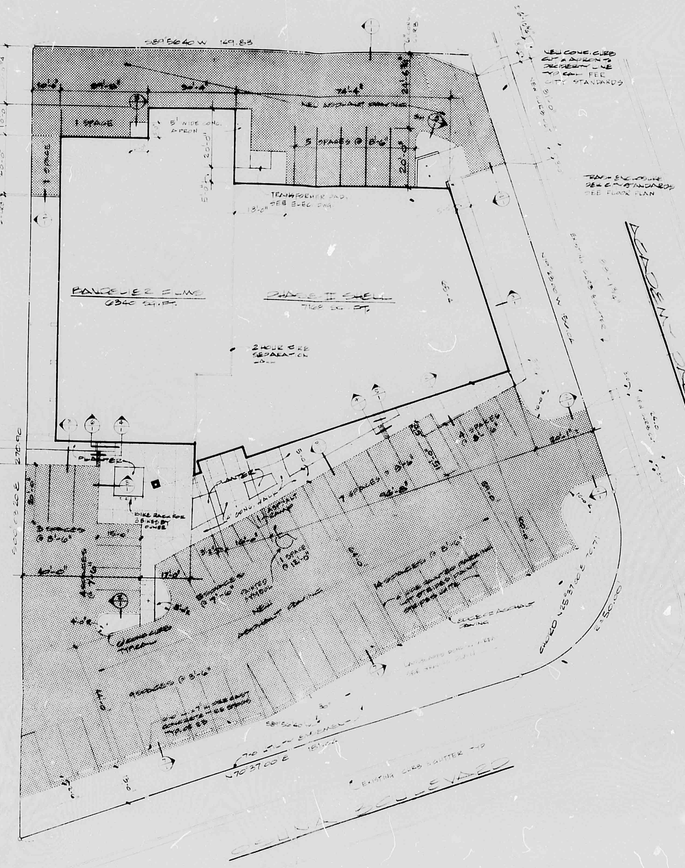
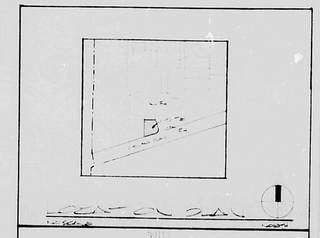
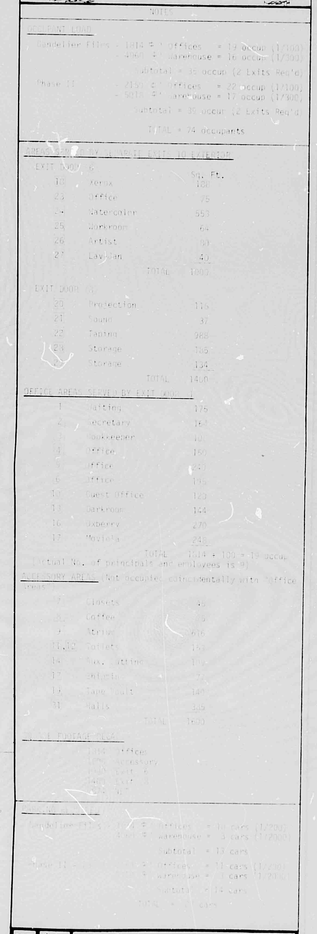


1 SITE PLAN



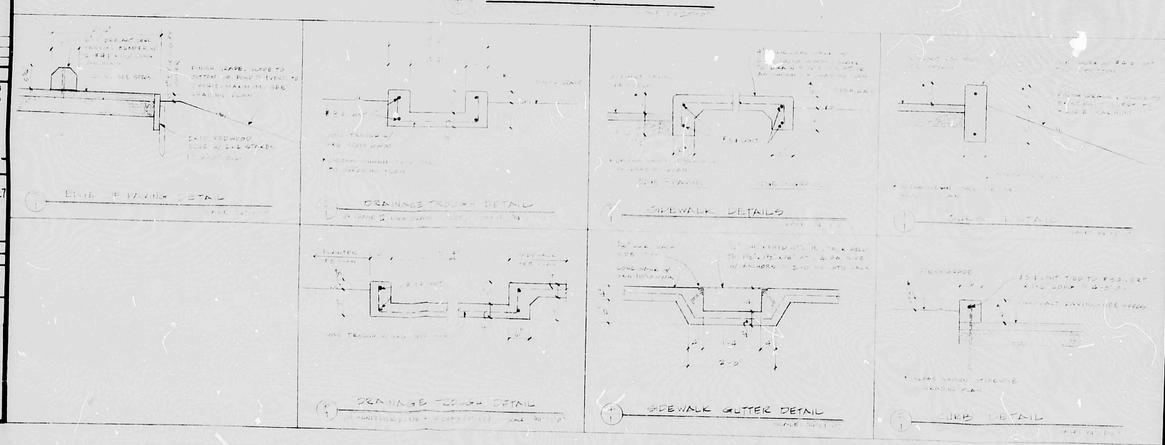
1 SITE PLAN

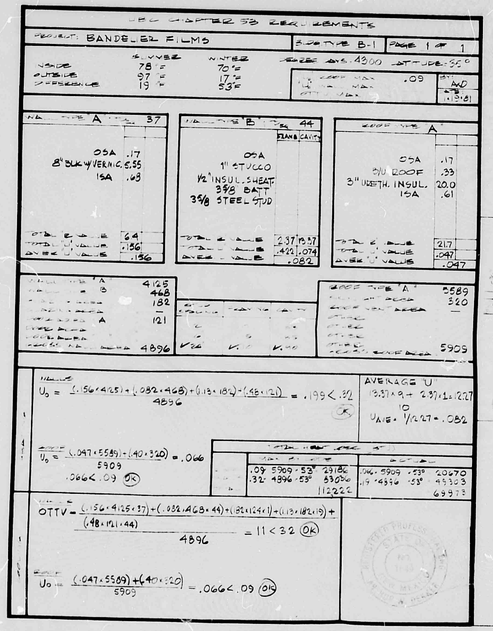


Sandoval Elec. - Lots 5-7 offices = 14 occup (1/100)
shop + warehouse = 16 occup (1/300)
subtotal = 30 occup (2 Exits Req'd)
Phase II: Lots 2-4 offices = 22 occup (1/100)
Lots 2-4 warehouse = 17 occup (1/300)
subtotal = 39 occup (2 Exits Req'd)
TOTAL = 74 occupants

EXIT WAY A		Sq. Ft.
18	Kenia	180
23	office	75
24	Generator	953
25	Darkroom	64
26	Artist	91
27	Lavatory	41
	TOTAL	1404
EXIT WAY B		
2	Production	1125
3	Jewel	97
4	Tastes	988
10	Storage	765
11	Corridor	134
	TOTAL	1400
OFFICE AREA - EXIT WAY B		
1	Utilities	175
2	Secretary	160
3	Bookkeeper	40
4	Office	150
5	Office	90
6	Office	135
7	Guest Office	120
8	Darkroom	144
9	Gallery	400
10	Models	48
	TOTAL	1312

Total No. of Occupants in Building					1312
Exit Capacity Required					1312 x .100 = 131 Occup.
Exit Capacity Provided	Unit capacity	Multiplicity	Multiplicity factor	Effective capacity	
Exit Way A	100	1	1.0	100	
Exit Way B	100	1	1.0	100	
Total				200	





ASHRAE 90-75 CHAPTER 33 REQUIREMENTS

PROJECT: BANDELIER FILMS — ZONE: B-1 — PAGE 1 OF 1

WALLS	78 F	WINDOWS	70 F
CEILING	97 F		17 F
FLOORS	19 F		53 F

SHGF DATA 4300 — LATITUDE 35°

CONC. WALL	.09	NO
ATTIC FAN		

WALL TYPE A	37	WALL TYPE B	44	WALL TYPE A	
		PLANE CAVITY			
OSA	.17	OSA	.17	OSA	.17
8" BLK W/VERM. G.55		1" STUCCO		S/U ROOF	.33
ISA	.03	1/2" INSUL. SHEAT		3" URETH. INSUL.	20.0
		3 5/8 BATT		ISA	.61
		3 5/8 STEEL STUD			
TOTAL R VALUE	1.64	TOTAL R VALUE	2.37	0.57	21.7
TOTAL U VALUE	.156	TOTAL U VALUE	.422	.074	.047
AVERAGE U VALUE	.156	AVERAGE U VALUE	.0.62		.047

WALL TYPE A	4125	WALL TYPE A	5589
WALL TYPE B	468	WALL TYPE B	320
WINDOWS	182	WINDOWS	—
DOORS	—	DOORS	—
CONC. WALL TYPE A	121	CONC. WALL TYPE A	—
CONC. WALL TYPE B	—	CONC. WALL TYPE B	—
TOTAL AREA	4896	TOTAL AREA	5909

$$U_o = \frac{(.156 \times 4125) + (.062 \times 468) + (.13 \times 182) - (.48 \times 121)}{4896} = .139 < .32 \text{ (OK)}$$

AVERAGE U: $(.37 \times 9 + .27 \times 1) \div 10 = .227$; $U_{AVG.} = 1/.227 = .062$

$$U_o = \frac{(.047 \times 5589) + (.40 \times 320)}{5909} = .066$$

$.066 < .09$ (OK)

.09	5909	.53	29182	.047	5909
.32	4896	.53	83006	.40	4896
			112226		

$.53 \times 5909 = 20670$; $.53 \times 4896 = 49303$; 69973

$$OTTV = \frac{(.156 \times 4125 \times 37) + (.062 \times 468 \times 44) + (.32 \times 124 \times 1) + (.13 \times 182 \times 19) + (.48 \times 121 \times 44)}{4896} = 11 < 32 \text{ (OK)}$$

$$U_o = \frac{(.047 \times 5589) + (.40 \times 320)}{5909} = .066 < .09 \text{ (OK)}$$

APPROVED FOR DRAINAGE

BY: _____
ROADWAY
ADJUSTMENT ENGINEER
WILLIS GRAHAM, P.E. 1-24-81

no.	date	revision

ART DEKKER
architect · engineer
2403 Sandia Place N.E. Plaza 215
Albuquerque, N.M. 87110
505-884-1108 884-3689

BANDELIER FILMS & SHADES II SHELL
NETS ADDITION, UNIT 1 ALBUQUERQUE, N.M.

REGISTERED ARCHITECT STATE OF NEW MEXICO NO. 1549 ART DEKKER

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO

job no. 8036
drn by RE
ckd by ADD
issued 1-24-81
sheet 1 of 13

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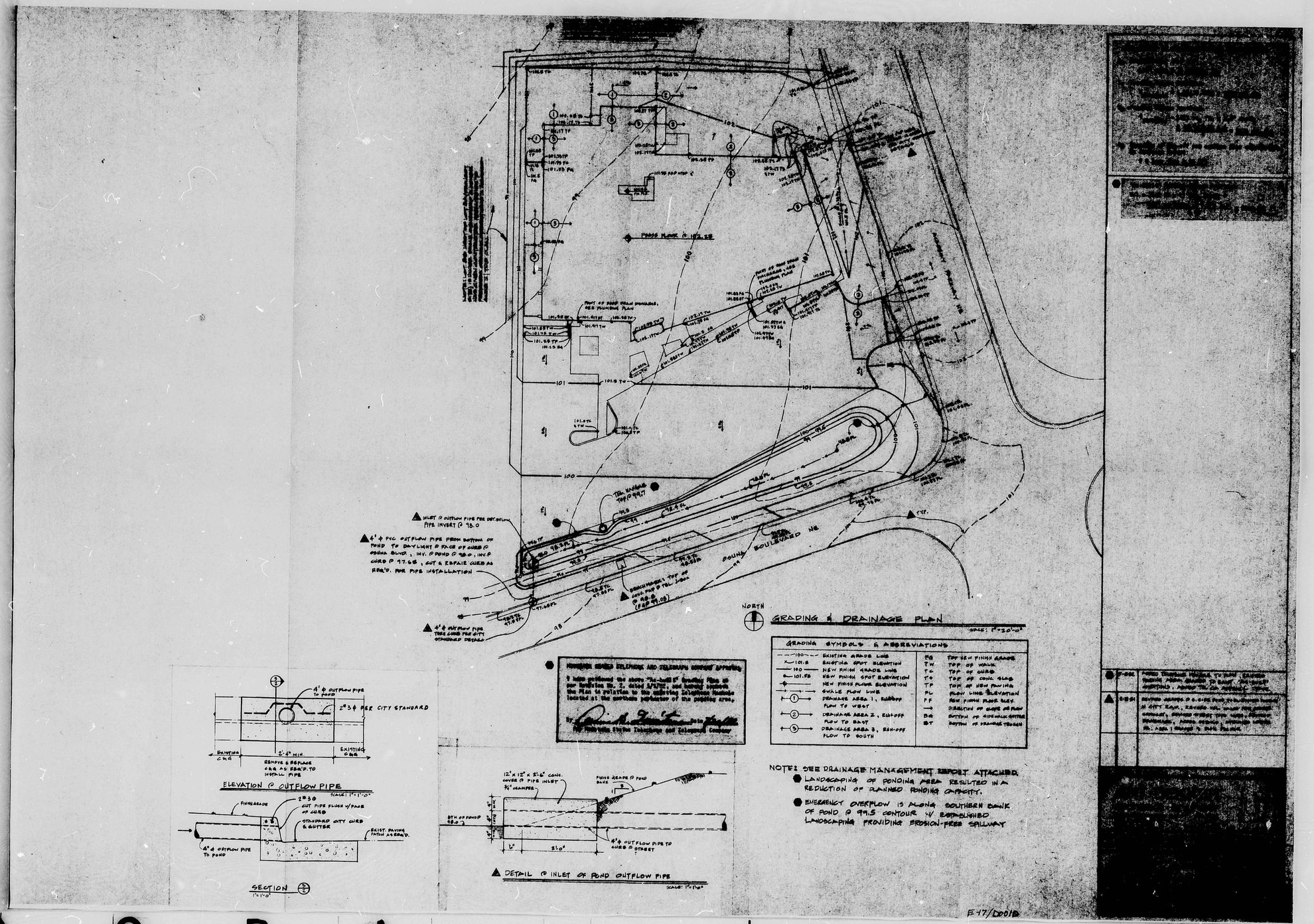

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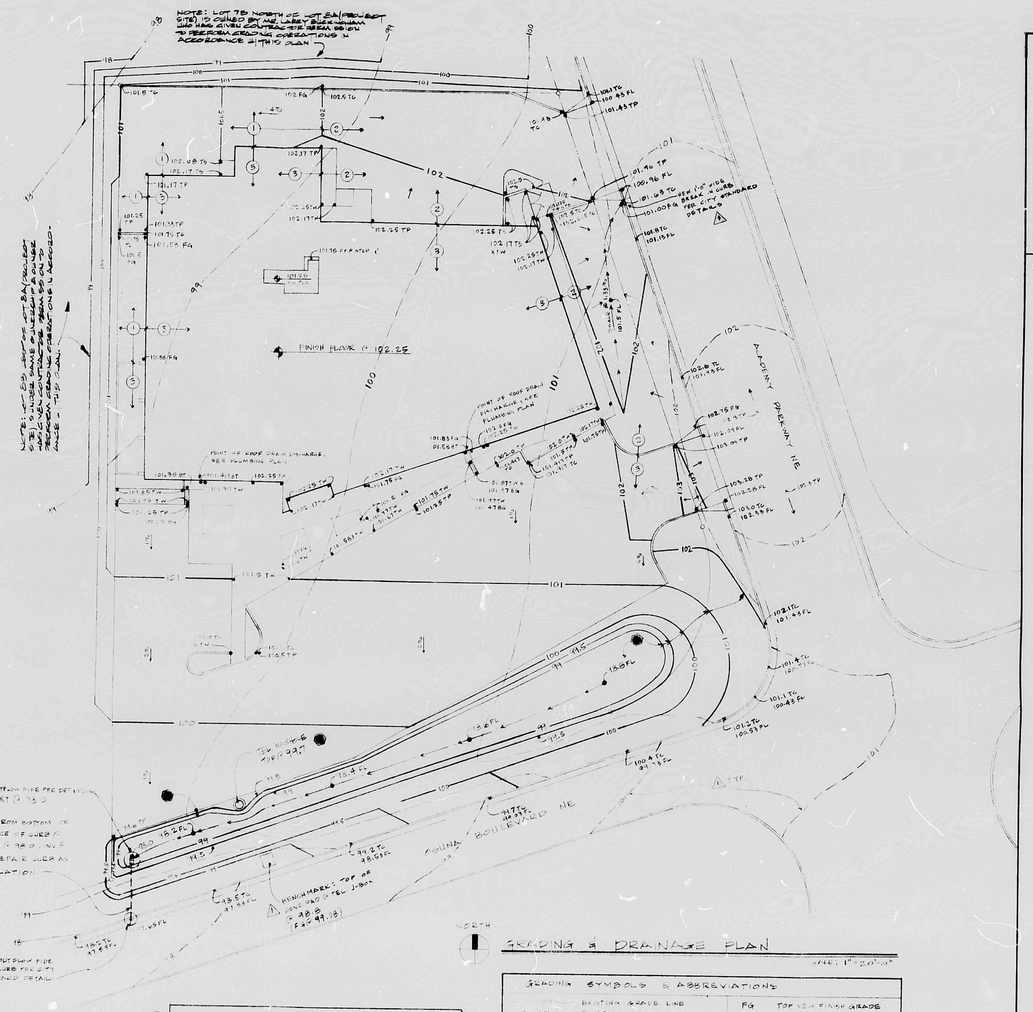


GRADING & DRAINAGE PLAN

SCALE: 1" = 20'-0"

GRADING SYMBOLS & ABBREVIATIONS			
100	EXISTING GRADE LINE	FG	TOP OF FINISH GRADE
101.5	EXISTING SPOT ELEVATION	TW	TOP OF WALK
102	NEW FINISH GRADE LINE	TC	TOP OF CURB
101.25	NEW FINISH GRADE ELEVATION	TG	TOP OF CONC. GUTTER
	NEW FINISH FLOOR ELEVATION	TP	TOP OF NEW PAVING
	SWALE FLOW LINE	FL	FLOW LINE ELEVATION
(1)	DRAINAGE AREA 1, RUNOFF FLOW TO WEST	FF	NEW FINISH FLOOR ELEV
(2)	DRAINAGE AREA 2, RUNOFF FLOW TO EAST		DIRECTION OF SLOPE OR FLOW
(3)	DRAINAGE AREA 3, RUNOFF FLOW TO NORTH	BG	BOTTOM OF SIDEWALK GUTTER
		BT	BOTTOM OF DRAINAGE TROUGH

NOTES: SEE DRAINAGE MANAGEMENT REPORT ATTACHED.

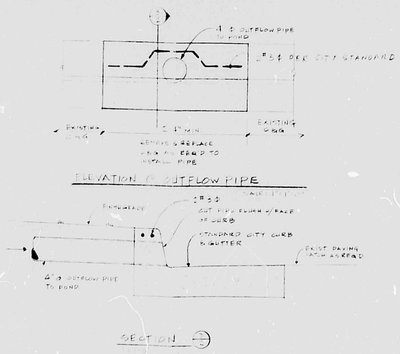
(2) LANDSCAPING OF PONDING AREA RESULTED IN A REDUCTION OF PLANNED PONDING CAPACITY.

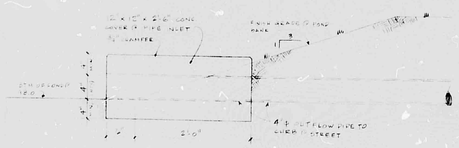
(3) EXCESS OVERFLOW ALONG SOUTHERN BANK OF POND @ 105 CONTOUR // ESTABLISHED LANDSCAPING PROVIDING EROSION-FREE SPILLWAY

MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY APPROVAL

I have reviewed the above "As-built" Grading Plan as per Revision No. 2, dated 5/5/82, and hereby approve the Plan in relation to the existing Telephone Manhole located at the northern perimeter of the ponding area.

By [signature] Date 7/20/82
for Mountain States Telephone and Telegraph Company





DETAIL @ INLET OF POND OUTFLOW PIPE

SCALE: 1" = 10'-0"

F-17/D001D

SUMMARY OF REVISION FOR POND REQUIREMENTS

1. Contributing Area 3 =
   .814 acre = 35,458 sq. ft.
2. Ponding Volume Required:
   $V_{required}$ = (.1)(35,458) = 3546 cu. ft.
3. Ponding Volume Provided:
   $V_{provided}$ = 1815 sq. ft. x 1.5' depth
   + $\frac{461' \times 1.5 \times 4.5}{2}$ = 4278 cu. ft.
4. Quantity of run-off per outflow pipe calculation in Drainage Report:
   Q = less than 1.26 CFS

"As-built" Ponding Volume Provided:
Vol = 2543 SF x 1' avg. depth +
$\frac{425' \text{ perimeter} \times 0.5' \times 2.5'}{2}$ = 2809 cu. ft.

no.	date	revision
	5-5-82	ADDED TELEPHONE MANHOLE TO PLAN. REVISED PONDING AREA GRADES TO EXIST. "AS-BUILT" CONDITIONS. ADDED TEL CO APPROVAL BLOCK
1	7-18-81	REVISED GRADES IN S. SIDE POND TO ELIMINATE PONDING IN CITY R.O.W., REVISED VOL. CALC'S PER ABOVE SUMMARY, REVISED STREET TOPO LINES, REVISED BENCHMARK, ADDED DETAILS, ATTACHED LETTER RE: AREA 1 RUNOFF & BLDG FIN FLR

ART DEKKER
architect · engineer
2403 san mateo n.e. albuquerque, n.m. 87110
505-884-3308 884-3689

BANDELIER FLWS & PHASE-II SHELL
3015, 3019 OSUNA BLVD N.E. ALBUQUERQUE, N.MEX.

REGISTERED PROFESSIONAL ENG. STATE OF NEW MEXICO NO. 1649 ARTHUR W. DEKKER

STATE OF NEW MEXICO ARTHUR W. DEKKER NO. 4231 REGISTERED ARCHITECT

job no. 8034
drn.by TEF
ckd.by AWD
issued 1-22-81
sheet 2 of 13

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