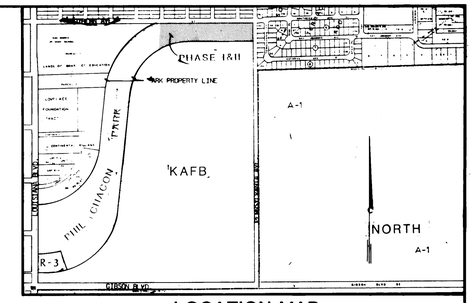
120556

PHIL CHACON PARK
PHASES I & II

7600 SOUTHERN AVENUE S.E.
ALBUQUERQUE, NEW MEXICO

CLASS I CONSTRUCTION

INDEX OF DRAWINGS



LOCATION MAP

ZONE MAP NUMBER L-19

GENERAL NOTES

1. All work detailed on these plans to be performed under contract, except as otherwise stated or provided herein, shall be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction, 1986.
2. The rules and regulations governing construction safety and health shall additionally be in accordance with applicable Federal, State and local laws.
3. The Contractor must submit a plan for signs and barricades to the Construction Coordination Division at 768-2551 prior to any work on a public right-of-way and obtain a barricading permit.
4. It is the Contractor's responsibility to locate all pertinent utilities in the field. Two (2) workings days prior to any excavation, the Contractor must contact the New Mexico One-Call System, Inc. at 260-1990 for location of existing utilities in public rights-of-way.
5. Locations of utilities are approximate. It shall be Contractor's responsibility to pot hole and/or field check to determine actual locations of lines, fittings, or connections as a incidental requisite to the construction contract.
6. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Landscape Architect so that the conflict can be resolved with a minimum amount of delay.
7. The Contractor shall be responsible for protecting, supporting and maintaining in service, all existing utilities exposed during construction.
8. Existing structures or underground utilities that are damaged by the Contractor shall be removed and replaced at the Contractor's expense. This expense shall be considered incidental to the contract and no separate payment will be made.
9. All underground utilities and service lines shall be installed, inspected, tested, approved and accepted by the Owner prior to backfilling work.
10. Backfill compaction, subgrade/surface courses and tack coat requirements shall be according to specified street use.
11. If curb is depressed for a drivepad or handicap ramp, the drivepad or ramp shall be constructed prior to acceptance of the curb and gutter.
12. All storm drainage facilities at the project site shall be restored, completed and/or cleaned prior to final acceptance.
13. Contractor shall notify the Landscape Architect not less than seven (7) days prior to starting work in order that the Landscape Architect may take necessary measures to insure the preservation of survey monuments. The Contractor shall not disturb permanent survey monuments without the consent of the Landscape Architect and shall notify the Landscape Architect and bear the expense of replacing any that may be disturbed without permission. Replacement shall be done only by the Owner. When a change is made in the finished elevation of the pavement of any roadway in which a permanent survey monument is located, Contractor shall, at his own expense, adjust the monument cover to the new grade unless otherwise specified.

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 27 460 193

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
2-18-93

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT

CONSULTANTS

JEAN J. "JAKE" BORDENAVE, PE,LS . . . . . CIVIL ENGINEERING

PROFESSIONAL ENGINEERS GROUP

BRIDGERS & PAXTON CONSULTING ENGINEERS,INC. . . . MECHANICAL ENGINEERING

CHAVEZ - GRIEVES CONSULTING ENGINEERS ,INC. . . . STRUCTURAL ENGINEERING INC.

TIERRA DEL SOL ENGINEERING INC. . . . . ELECTRICAL ENGINEERING

CHERRY/SEE ARCHITECTS . . . . . ARCHITECTURAL

SEPTEMBER 1990

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

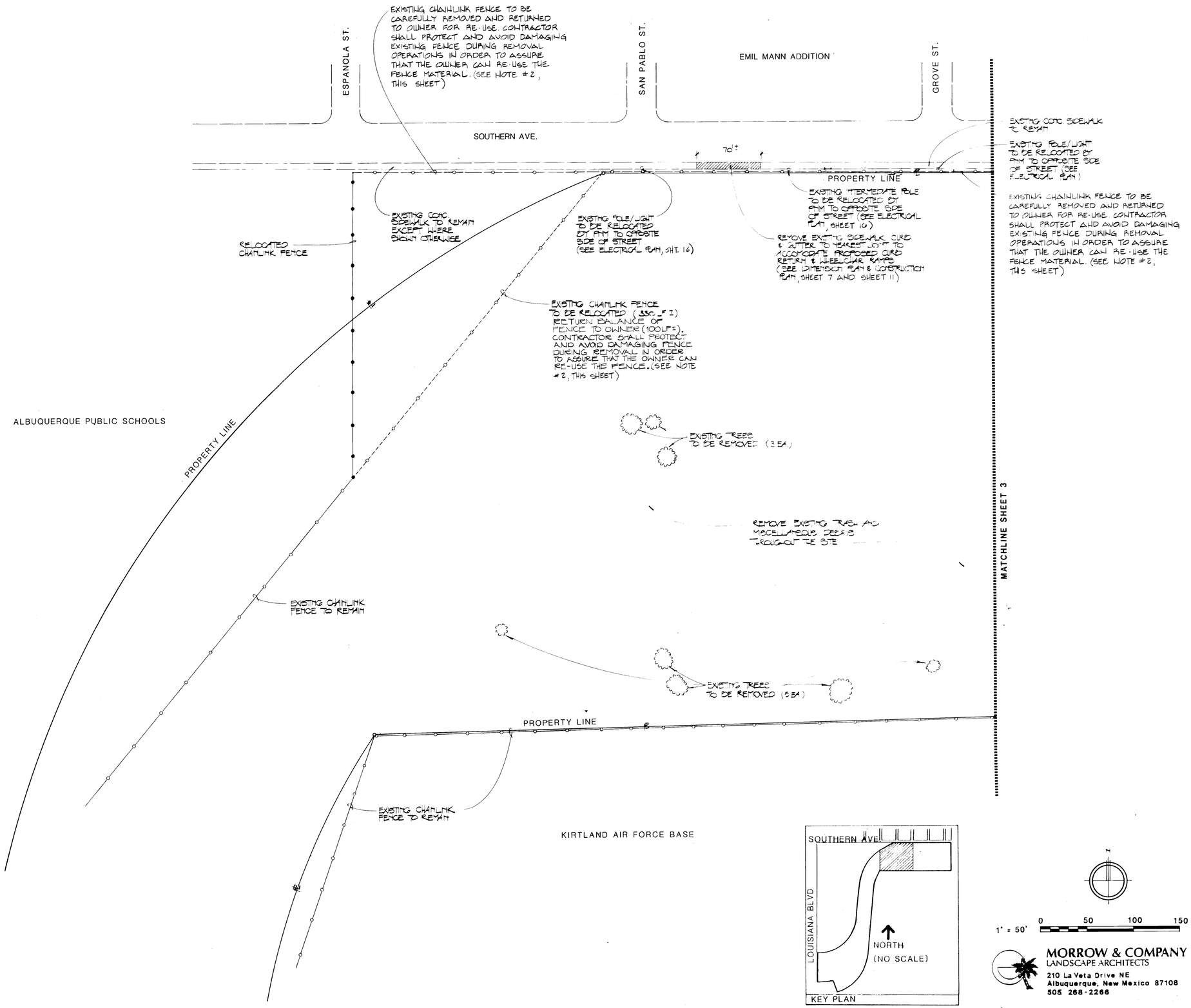
CITY OF ALBUQUERQUE

APPROVED FOR CONSTRUCTION

CITY ENGINEER 9/18/90

DRAWING NO. 2746

SHEET 1 OF 29



NOTES

1. The Contractor shall protect existing trees, shrubs, grasses, and exercise trail outside the Phase I and II area. The Contractor shall repair or replace any damaged material, including, but not limited to, re-seeding of all disturbed native grasses as specified on the Planting Plan. Repair and replacement of damaged material shall be incidental to the Contract.
2. The Contractor shall transport the existing fence to be removed to the City Yards at 5501 Pino NE. The Contractor shall unload the fence in the designated storage area as instructed by the Parks and Recreation Department.

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STARTED BY DATE
INSPECTORS
ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY SL DATE 2/93
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED LANDSCAPE ARCHITECT PALMER H. MORROW NO. 2 NEW MEXICO 5/11/90

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	BHM DATE 5/90
		DRAWN BY	PHM DATE 5/90
		CHECKED BY	BCR DATE 5/90

Maps & Records
26 27460293

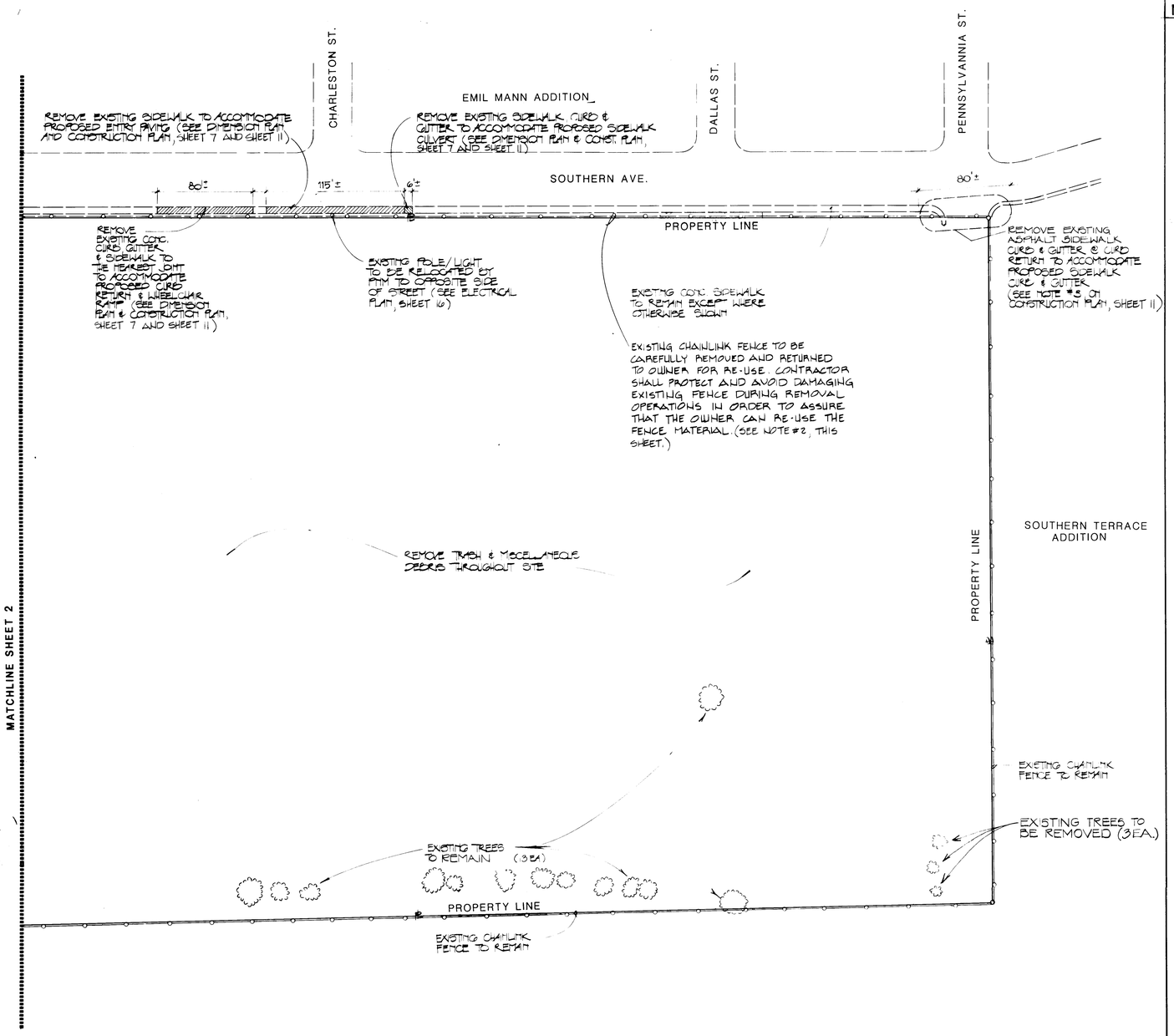
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II
DEMOLITION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	9/7/90
Trans. Dev.		9-17-90			
Utility Dev.	R.W. Kane	9-17-90			
Parks	D. Selna	9-5-90			

DRAWING NO. 2746
MAP NO. L-19
SHEET 2 OF 29

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266



NOTES

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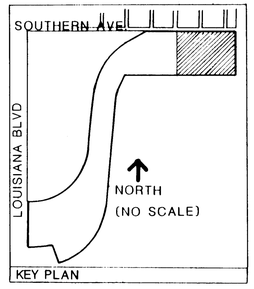


1" = 50' 0 50 100 150

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY | DATE
INSPECTED BY | DATE
ACCEPTANCE | DATE
FIELD CHANGES | DATE 2/93
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO

ENGINEER'S SEAL
STATE OF NEW MEXICO
No. 9
WILLIAM R. MORROW
LANDSCAPE ARCHITECT
10/11/90

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 5/90
		DESIGNED BY BJM	DATE 5/90
		DRAWN BY PHH	DATE 5/90
		CHECKED BY ECA	

C of A PWD Maps & Records
26 2746 0393

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II
DEMOLITION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	8/7/90
Trans. Dev.	R. Brunk	6-12-90			
Utility Dev.	R.W. Kane	9-17-90			
Parks	D. Siena	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 3 OF 23

POINT	FL	TC
0	50.82	51.19
1/4	50.65	51.32
1/2	50.92	–
3/4	51.28	51.78
1	51.65	52.17

POINT	FL.	TC
0	51.82	52.32
1/4	51.45	51.95
1/2	51.16	–
3/4	50.99	51.66
1	50.98	51.65

POINT	FL	TC
0	54.25	54.92
1/4	54.47	55.14
1/2	54.81	–
3/4	55.22	55.72
1	55.62	56.12

POINT	FL	TC
0	56.19	56.69
1/4	55.84	56.34
1/2	55.60	–
3/4	55.51	56.18
1	55.58	56.25

ESPANOLA ST.

SAN PABLO ST.

GROVE ST.

CHARLESTON ST.

SOUTHERN AVENUE

CONCRETE VALLEY GUTTER CITY STANDARD DWG. 2420

SIDEWALK CULVERT CITY STD. DWG. 2236 WIDTH = 1', INV. 5352.80

SIDEWALK CULVERT CITY STD. DWG. 2236 WIDTH = 2', INV. 5347.90

SIDEWALK CULVERT CITY STD. DWG. 2236 WIDTH = 2', INV. 5357.57

SIDEWALK CULVERT CITY STD. DWG. 2236 WIDTH = 1', INV. 5355.45

2' VALLEY GUTTER

SEE GRADING DETAIL SHEET 5 OF 29.

RAMP

PLANTER

GRADE SWALE TO ELEV. 47.0

TBM 5350.61

TBM 5357.68

MATCHLINE SHEET 5

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- E EXISTING CONDITION
- TC TOP OF CURB
- TA TOP OF ASPHALT
- TS TOP OF SLAB
- FL FLOWLINE
- INV. INLET INVERT
- TBM TEMPORARY BENCH MARK

SOUTHERN AVE.

LOUISIANA BLVD

NORTH (NO SCALE)

KEY PLAN

1"=40' scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

C of A PWD Map & Records
26 27 7 6 0 4 4 9 3

AS BUILT INFORMATION

CONTRACTOR ACCENT LANDSCAPE

WORK STARTED BY — DATE

INSPECTORS — DATE

ACCEPTANCE BY — DATE

VERIFICATION BY — DATE 2/93

CORRECTED BY JL — MICRO-FILM INFORMATION

RECORDED BY — DATE

NO

BENCH MARKS

BM AGS 7-L-18 — ELEV. 5335.039

3" BRASS TABLET IN THE TOP OF SIDEWALK AT SW CORNER OF LOUISIANA AND KATHRYN, 34' WEST OF CENTERLINE LOUISIANA AND 27.5 SOUTH OF CENTERLINE KATHRYN.

TBM NO. 4 REBAR — ELEV. 5350.61
3480 NORTH, 1503 EAST

TBM NO. 4 REBAR — ELEV. 5357.68
2917 NORTH, 1996 EAST

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

REVISIONS

NO.	DATE	BY	REMARKS
		JJB	DESIGN 04/90
		EER	DRAWN BY DATE 04/90
		JJB	CHECKED BY DATE 04/90

ENGINEER'S SEAL

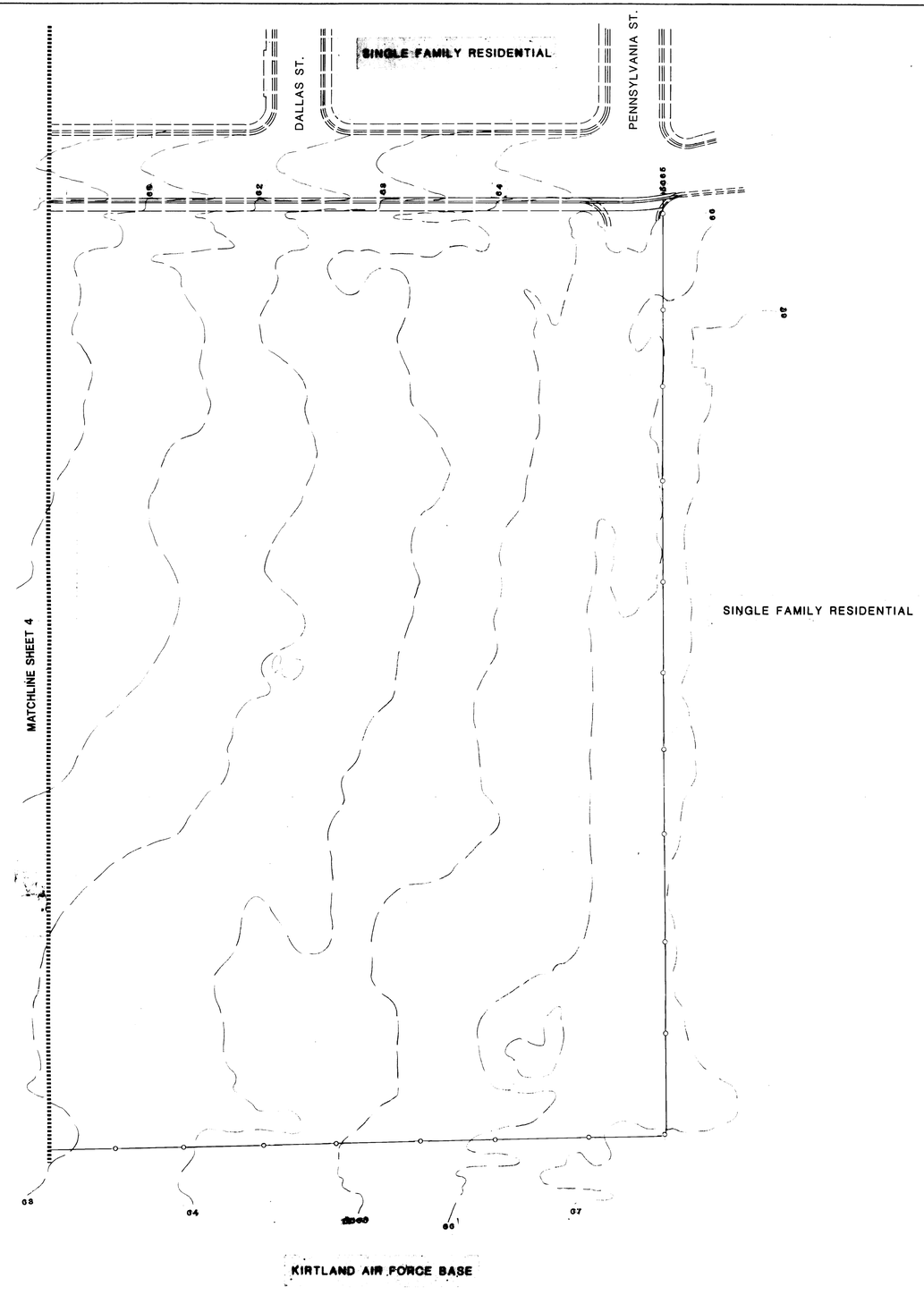
REGISTERED PROFESSIONAL ENGINEER — JOHN J. BORDEN — No. 5110 — STATE OF NEW MEXICO — 9/5/90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

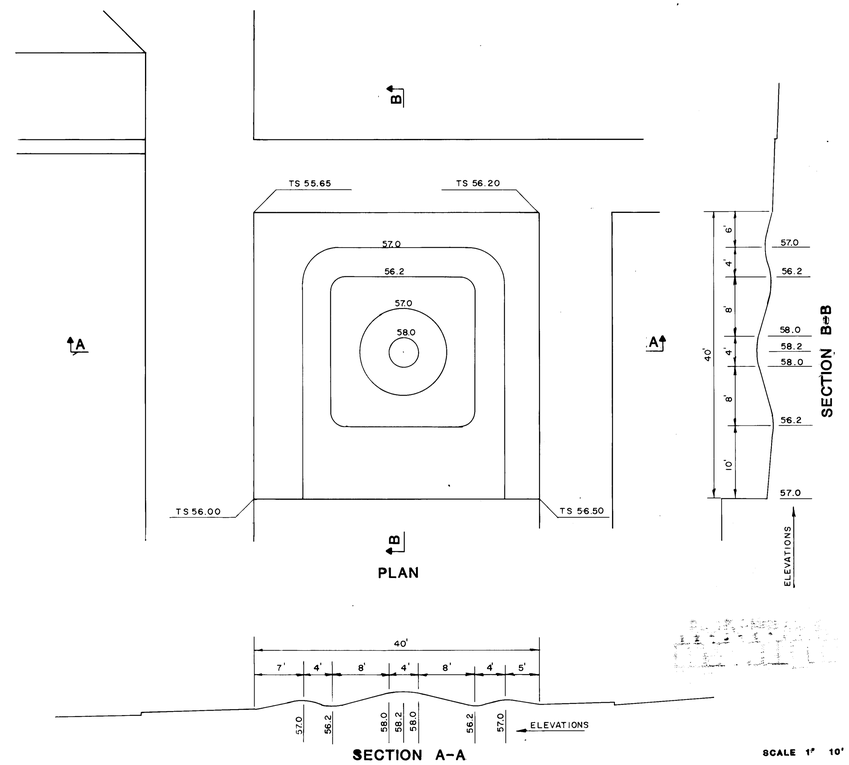
TITLE: PHIL CHACON PARK PHASES I & II
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology		9/7/90
Trans. Dev		6-12-90			
Utility Dev	R.W. Kane	9-17-90			
Parks	D. Selna	9-5-90			

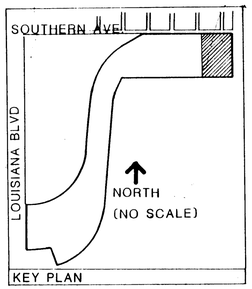
DRAWING NO. 2746 — MAP NO. L-19 — SHEET 4 OF [redacted]



TYPICAL SECTION ALONG SOUTHERN AVE.



TOT AREA - GRADING DETAIL



1"=40' scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STARTED BY — DATE
INSPECTORS — DATE
FIELD CHANGES BY — DATE
FIELD VERIFICATION BY — DATE 8/13
DRAWINGS CORRECTED BY SL DATE 8/13
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO —

BENCH MARKS

BM ACS 7-L18	ELEV. 5335.039
3" BRASS TABLET IN THE TOP OF SIDEWALK AT SW CORNER OF LOUISIANA AND KATHRYN, 34' WEST OF CENTERLINE LOUISIANA AND 27.5' SOUTH OF CENTERLINE KATHRYN.	
TBM NO. 4 REBAR	ELEV. 5350.61
3480 NORTH, 1503 EAST	
TBM NO. 4 REBAR	ELEV. 5357.68
2917 NORTH, 1996 EAST	

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NO. 5110 STATE OF NEW MEXICO
9/11/90

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JJB	DATE 04/90
		DRAWN BY EER	DATE 04/90
		CHECKED BY JJB	DATE 04/90

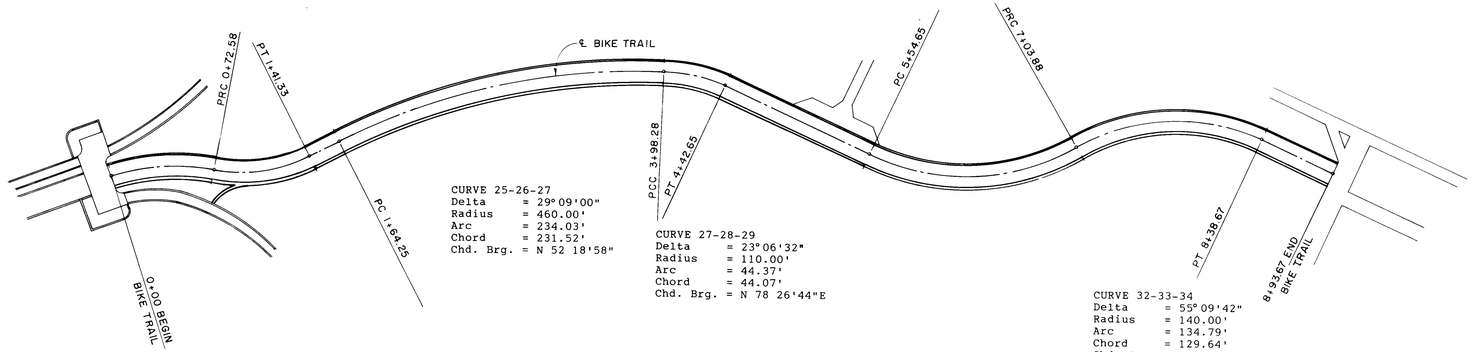
C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 27460593

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK - PHASES I & II
GRADING PLAN

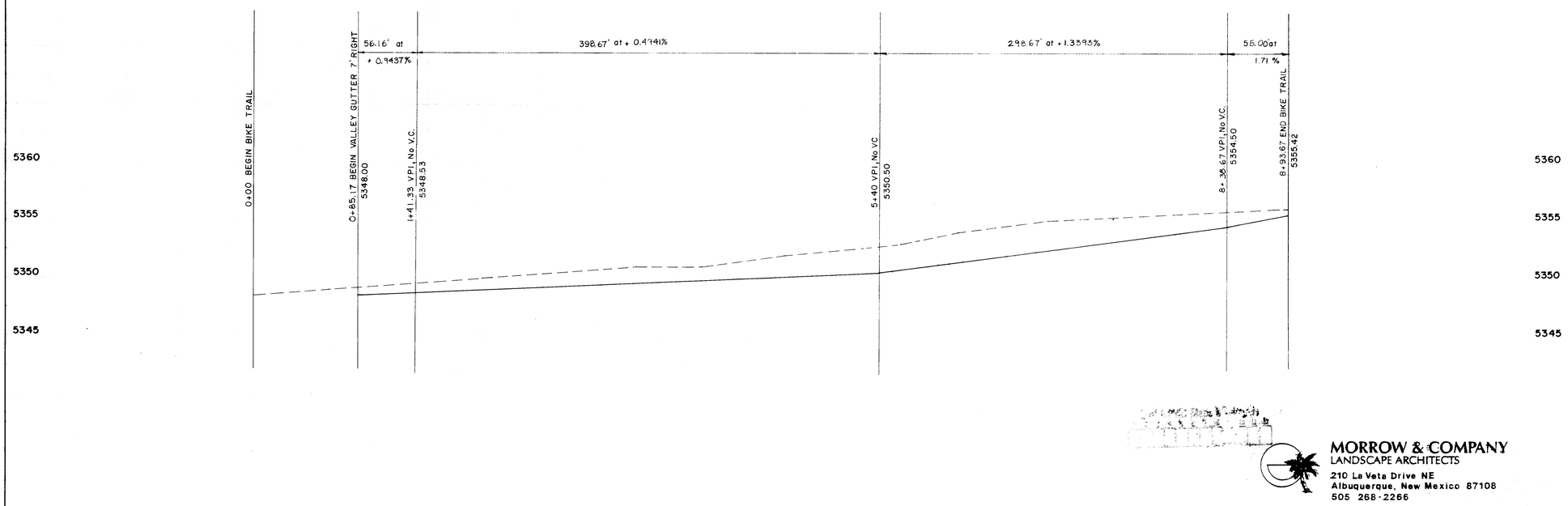
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology		9/11/90
Trans. Dev		6-12-90			
Utility Dev	R.W. Kase	9-17-90			
Parks	D. Selna	9-5-90			

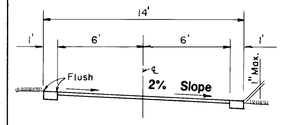
DRAWING NO. 2746 | MAP NO. L-19 | SHEET 5 OF



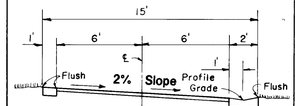
BIKE TRAIL

SCALE
HORIZONTAL 1"=50'
VERTICAL 1"=5'





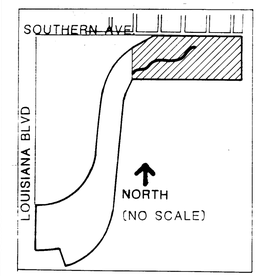
STA. 0+00 - STA. 0+90



STA. 0+90 - STA. 8+93.67

TYPICAL SECTIONS

NOTE:
SEE DETAILS H18 & I18 FOR PAVING MATERIALS.



C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 27460693

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STARTED BY — DATE
INSPECTORS — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY SL DATE 2/13
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS
BM ACS 7-L18 ELEV. 5335.039
3" BRASS TABLET IN THE TOP OF SIDEWALK AT SW CORNER OF LOUISIANA AND KATHRYN, 34' WEST OF CENTERLINE LOUISIANA AND 275' SOUTH OF CENTERLINE KATHRYN.
TBM NO. 4 REBAR ELEV. 5350.61
3480 NORTH, 1503 EAST
TBM NO. 4 REBAR ELEV. 5357.68
2917 NORTH, 1996 EAST

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR STATE OF NEW MEXICO 5110
5/16/90

REVISIONS

NO.	DATE	REMARKS	BY	DATE
		DESIGN	JJB	04/90
		DESIGNED BY	JJB	04/90
		DRAWN BY	EER	04/90
		CHECKED BY	JJB	04/90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PHIL CHACON PARK PHASES I & II**
BIKE TRAIL P&P

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/16/90
Trans. Dev	R Louth	6-12-90			
Utility Dev	R.W. Kane	9-17-90			
Parks	D. Sena	9-5-90			

DRAWING NO. 2746 | MAP NO. L 19 | SHEET 6 OF 29

ESPANOLA ST.
SAN PABLO ST.
GROVE ST.
CHARLESTON ST.
SOUTHERN AVENUE
1200E
1300E
1400E
1500E
1600E
1700E
1800E
1900E
2000E
2100E
2200E
2300E
3500N
3400N
3300N
3200N
3100N
3000N
2900N
POINT 'A'
USCE BRASS CAP
STAMPED "STA 22-7"
N=3500.00, E=1500.00
USCE BRASS CAP
STAMPED "STA 22-5"
N=2894.54641
E=1228.61275
'A'
'B'
'C'
'D'
'E'
12 at 10'=120'
11 at 10'=110'
12 at 10'=120'
5 at 10'=50'
4 at 12'=48'
42'
75'
80'
45'
104'
70'
105'
95'
SOUTHERN AVE.
LOUISIANA BLVD
NORTH
(NO SCALE)
KEY PLAN
MATCHLINE SHEET 8

1. THE NORTH BOUNDARY(POINT 'A' TO POINT 'B')HAS A PLAT BEARING OF S89°00'28"E.THIS SAME LINE HAS BEEN ASSIGNED A PROJECT BEARING OF EAST AND A NORTH COORDINATE OF 3500 THE EAST COORDINATE OF 1500 PASSES THROUGH POINT A
2. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF WALK PATH, CENTER OF ASPHALT OF BIKE PATH AND EXTERIOR CORNER OF COURTS AND SLABS UNLESS OTHERWISE NOTED.
3. SEE SHEET 8 FOR COORDINATE VALUES AND CURVE DATA.

C of A PWD Maps & Records
26 27460793

1"=40 scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
1-hr. = ACCENT LANDSCAPE
drawn by: DATE
AS-BUILT by: DATE
FIELD CHECKED BY: DATE
CERTIFICATION BY: SL DATE 2/93
CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
NO. 5110
STATE OF NEW MEXICO
JAMES L. BOREHAM
5/10/90

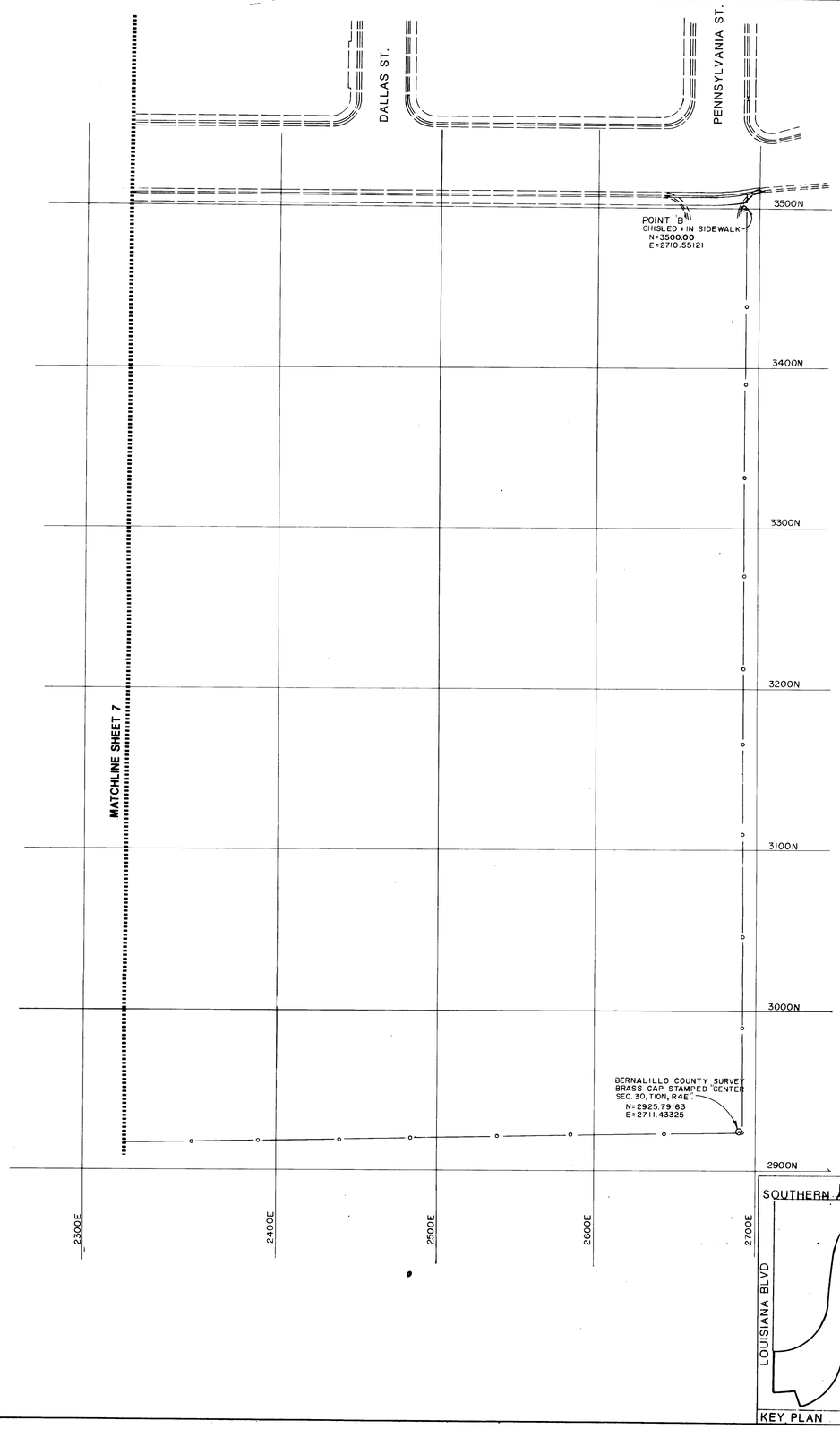
REVISIONS
NO. DATE BY REMARKS
DESIGN DESIGNED BY JJB DATE 04/90
DRAWN BY EER DATE 04/90
CHECKED BY JJB DATE 04/90

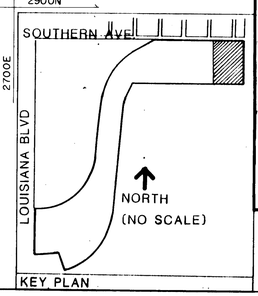
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II
DIMENSION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/7/90
Trans. Dev.	R. Venzon	4-17-90			
Utility Dev.	R.W. Kane	4-17-90			
Parks	D. Selna	4-5-90			

DRAWING NO. 2746
MAP NO. L-19
SHEET 7 OF 28





COORDINATE DATA

PT. NO.	NORTH	EAST
PED. TRAIL 'A'		
2	3504.00000	1588.50000
3	3462.50000	1588.50000
4	3462.50000	1638.50000
5	3412.50000	1638.50000
PED. TRAIL 'B'		
6	3452.12348	1588.50000
7	3452.12348	1488.50000
8	3385.66599	1563.22227
PED. TRAIL 'C'		
9	3412.50000	1623.00000
10	3332.50000	1623.00000
11	3369.54203	1552.09240
12	3306.16836	1518.98609
13	3452.02134	1239.78740
14	3152.80925	1338.26139
15	3146.86955	1320.21367
16	3051.98159	1351.47526
17	3090.37153	1259.17941
18	3186.59640	1028.43978
19	3028.14991	1221.81690
PED. TRAIL 'D'		
36	3195.00000	1987.50000
37	3195.00000	1982.50000
38	3175.00000	1980.50000
39	3188.89191	1968.11199
40	3119.43235	2040.05203
41	3135.92707	1941.42199
51	3078.15059	1931.75937
52	3103.71763	1778.88248
53	2952.05044	1746.91275
54	2963.96175	1690.40449
55	2817.18705	1659.46603
56	2961.41692	1618.26236
57	2941.77650	1549.51278
58	3076.39106	1511.05602
59	2964.79690	1426.51760
60	2993.93246	1388.05747
61	2878.35279	1300.49983
62	3021.68781	1278.58924
63	2932.72125	1292.18892
64	3007.64381	1242.32300
PED. TRAIL 'E'		
42	3131.97045	1940.75963
43	3279.47221	2184.62072
44	3070.44277	1990.88974
45	3040.87330	2022.79423
46	2996.86710	1982.00876
47	2937.00000	1986.00000
48	2925.9568	1820.3677
49	2980.83496	1816.70912
50	2948.87276	1771.94956
PED. TRAIL 'F'		
155	3269.34495	2219.00
156	3271.91819	2148.94269
157	3334.70282	2251.20749
PED. TRAIL 'G'		
158	3341.79234	2246.50090
159	3317.20001	2322.62722
160	3392.63867	2296.00
PED. TRAIL 'H'		
161	3390.36294	2290.26696
162	3481.81659	2249.81664
163	3386.68334	2219.00
BIKE TRAIL		
20	3014.36133	1228.53442
21	2903.70981	1329.80752
22	3048.77225	1291.63833
23	3150.31597	1264.91989
24	3086.04604	1347.95227
25	3104.16983	1361.98073
26	2822.60631	1725.74162
27	3245.69620	1545.20090
28	3144.52253	1588.37368
29	3254.52253	1588.37368
30	3254.52253	1700.37368
31	3409.52253	1700.37368
32	3320.97680	1827.59259
33	3241.00000	1942.50000
34	3381.00000	1942.50000
35	3381.00000	1997.50000
BASEBALL DIAMOND		
66	3441.00000	1244.00000
65	3441.00000	1524.00000
67	3161.00000	1244.00000
UTILITY AREA		
165	3495.66667	2236.50
166	3495.66667	2278.50
167	3474.00	2278.50
168	3474.00	2236.50
VALLEY GUTTER		
169	3046.18842	1306.16856
170	3009.00	1320.90021
171	3009.00	1280.90021

PT. NO.	NORTH	EAST
PARKING LOT		
68	3510.00	1587.00
69	3490.00	1587.00
70	3490.00	1607.00
71	3466.00	1607.00
72	3466.00	1637.00
73	3436.00	1637.00
74	3436.00	1641.50
75	3428.00	1641.50
76	3428.00	1649.50
77	3431.00	1769.50
78	3431.00	1774.50
79	3431.00	1779.50
80	3431.00	1889.50
81	3431.00	1894.50
82	3431.00	1899.50
83	3424.00	2032.00
84	3466.00	2032.00
85	3466.00	2074.00
86	3490.00	2074.00
87	3490.00	2094.00
88	3510.00	2094.00
89	3490.00	2038.00
90	3490.00	2018.00
91	3510.00	2018.00
92	3475.00	2038.00
93	3475.00	2023.00
94	3460.00	2023.00
95	3463.50	2023.00
96	3463.50	2019.50
97	3465.00	1899.50
98	3465.00	1894.50
99	3465.00	1889.50
100	3465.00	1779.50
101	3465.00	1774.50
102	3465.00	1769.50
103	3475.00	1631.00
104	3475.00	1646.00
105	3460.00	1646.00
106	3463.50	1646.00
107	3463.50	1649.50
108	3490.00	1631.00
109	3490.00	1651.00
110	3510.00	1651.00
111	3480.00	1649.50
112	3480.00	1769.50
113	3480.00	1779.50
114	3480.00	1889.50
115	3480.00	1899.50
116	3480.00	2019.50
117	3424.00	2012.50
118	3416.00	2012.50
119	3416.00	1899.50
120	3416.00	1889.50
121	3416.00	1779.50
122	3416.00	1769.50
123	3416.00	1649.50
COURTS		
124	3409.00	1670.00
125	3364.00	1567.50
126	3364.00	1647.50
127	3371.00	1647.50
128	3371.00	1692.50
129	3384.00	1692.50
130	3384.00	1796.50
131	3314.00	1796.50
132	3314.00	1692.50
133	3307.00	1692.50
134	3306.00	1647.50
135	3284.00	1647.50
136	3284.00	1567.50
137	3371.00	1670.00
138	3307.00	1670.00
139	3271.52253	1670.00
140	3261.52253	1637.50
141	3271.52253	1647.50
142	3271.52253	1692.50
143	3261.52253	1702.50
TURN AROUND		
144	3043.70626	1206.26055
145	2980.06665	1233.83772
ENTRY		
146	3180.00	1987.50
147	3180.00	2134.50
148	3365.00	2109.00
149	3365.00	2134.50
150	3365.00	2219.00
151	3504.00	2219.00
WEST FENCE		
152	3504.00	1215.00
153	3177.00	1215.00

CENTERLINE & CURVE DATA

STATION	CURVE	DELTA	RADIUS	ARC	CHORD	CHD BRG
PED. TRAIL 'A'						
BOS 0+00.00 = BACK OF WALK SOUTHERN AVE.						
PC 0+41.50	3-4-5	90 00'00"	50.00	78.54	70.71	S45 00'00"E
PT 1+20.04 = EOS = PARKING LOT WALK						
PED. TRAIL 'B'						
BOS 0+00.00 = PC 0+41.50 PED.TRAIL 'A'						
PC 0+10.38	6-7-8	41 38'59"	100.00	72.69	71.10	S20 49'30"W
PT 0+83.07 = EOS						
PED. TRAIL 'C'						
BOS 0+00.00 = PT 1+20.04 PED.Trail 'A'						
PC 0+15.50	9-10-11	62 25'03"	80.00	87.15	82.91	S58 47'29"W
PT 1+02.65						
PC 1+74.15	12-13-14	44 12'02"	315.00	243.01	237.02	S49 40'58"W
PT 4+17.16						
PC 4+36.16	15-16-17	49 08'44"	100.00	85.78	83.17	S47 12'37"W
PRC 5+21.94						
	17-18-19	16 41'33"	250.00	72.83	72.58	S30 59'02"W
PT 5+94.77 = EOS = TURNAROUND						
PED. TRAIL 'D'						
BOS 0+00.00 = TOT LOT WALK						
PC 0+05.00	37-38-39	46 00'18"	20.00	16.06	13.68	S69 59'51"W
PCC 0+18.96						
	39-40-41	34 30'03"	100.00	60.22	59.31	S26 44'40"W
PT 0+79.18						
PC 1+37.76	51-52-53	92 24'32"	155.00	249.99	223.76	S58 06'27"W
PT 3+74.72						
PC 4+32.47	54-55-56	27 50'48"	150.00	72.90	72.19	S87 58'47"W
PT 5+05.37						
PC 5+76.87	57-58-59	53 05'22"	140.00	129.72	125.13	N79 23'56"W
PT 7+06.59						
PC 7+54.85	60-61-62	45 50'13"	145.00	116.00	112.93	N75 46'22"W
PCC 8+70.84						
	62-63-64	24 57'19"	90.00	39.20	38.89	S68 49'52"W
PT 9+10.04 = EOS = TURNAROUND						
PED. TRAIL 'E'						
BOS 0+00.00 = POT 0+83.19 PED.TRAIL 'D'						
PC 0+00.00	42-43-44	16 00'26"	285.00	79.62	79.36	S55 10'44"E
PT 0+79.62						
PC 1+23.12	45-46-47	133 21'39"	60.00	139.66	110.20	S16 21'30"W
PT 2+62.78						
PC 4+28.78	48-49-50	58 17'04"	55.00	55.95	51.33	N66 23'02"W
PT 4+84.73 = EOS = POC 3+49.45 PED.TRAIL 'D'						
PED. TRAIL 'F'						
BOS 0+00.00 = ENTRY WALK						
PC 0+00.00	155-156-157	22 44'00"	120.00	47.61	47.30	S42 54'51"E
PT 0+47.61 = EOS						
PED. TRAIL 'G'						
BOS 0+00.00 = POC 0+39.10 PED TRAIL 'F'						
PC 0+00.00	158-159-160	52 39'22"	80.00	73.52	70.96	N44 13'51"E
PT 0+00.00 = EOS						
PED. TRAIL 'H'						
BOS 0+00.00 = POC 0+67.35 PED TRAIL 'G'						
PC 0+00.00	161-162-163	41 48'32"	100.00	72.97	71.36	S87 02'40"W
PT 0+72.97 = EOS						
BIKE TRAIL						
BOS 0+00.00 TURNAROUND						
PC 0+00.00	20-21-22	27 43'28"	150.00	72.58	71.88	N61 23'46"E
PRC 0+72.58						
	22-23-24	37 31'02"	105.00	68.75	67.53	N52 18'58"E
PT 1+41.33						
PC 1+64.25	25-26-27	29 09'00"	460.00	234.03	231.52	N52 29'59"E
PCC 3+98.28						
	27-28-29	23 06'32"	110.00	44.37	44.07	N78 26'44"E
PT 4+42.65						
PC 5+54.65	30-31-32	55 09'42"	155.00	149.23	143.53	N62 25'09"E
PRC 7+03.88						
	32-33-34	55 09'42"	140.00	134.79	129.64	N62 25'09"E
PT 8+38.67						
EOS 8+93.67 = TOT LOT WALK						
PARKING LOT						
68-69-70	89-90-91	90 00'00"	20.00	31.42	28.28	
86-87-88	108-109-110					
77-78-79	97-98-99	180 00'00"	5.00	15.71	10.00	
80-81-82	100-101-102					
92-93-94	103-104-105	90 00'00"	15.00	23.56	21.21	
94-95-96	105-106-107	90 00'00"	3.50	5.50	4.95	
	71-72-73	90 00'00"	30.00	47.12	42.43	
	74-75-76	90 00'00"	8.00	12.57	11.31	
	83-84-85	90 00'00"	42.00	65.97	59.40	
VALLEY GUTTER						
BOS 0+00.00 = 7'RT. 0+85.17 BIKE TRAIL						
PC 0+00.00	169-170-171	68 23'23"	40.00	47.75	44.96	S34 11'42"
EOS 0+47.75						

1"=40 scale — 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STARTED BY — DATE
INSPECTION'S — DATE
FIELD TIE BY — DATE
VERIFICATION BY — DATE 2/13
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
BY — DATE
NO.

ENGINEER'S SEAL
PROFESSIONAL ENGINEER
NO 5110
JEFFREY A. LAPP
NEW MEXICO
05/9/90

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 04/90
		DESIGNED BY JJB	DATE 04/90
		DRAWN BY EER	DATE 04/90
		CHECKED BY JJB	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK - PHASES I & II
DIMENSION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	3/7/90
Trans. Dev.	T. Burke	6-12-90			
Utility Dev.	R.W. Kane	9-17-90			
Parks	D. Serna	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 8 OF 20

ESPANOLA ST.

SINGLE FAMILY RESIDENTIAL

SAN PABLO ST.

GROVE ST.

CHARLESTON ST.

SOUTHERN AVE.

6" C.I.W.

6" TEE

6" W

FH

SAS MANHOLE
RIM ELEV. = 5351.61
INV. ELEV. = 41.07

INV. ELEV. = 5344.07'

INV. ELEV. = 5345.07'

INV. ELEV. = 5350.00'

INV. ELEV. 45.28'
INV. ELEV. 45.28'

INV. ELEV. 5348.12'

INV. ELEV. 5350.07

INV. ELEV. 5347.12

INV. ELEV. 5349.12

4" COTG

4" GOTG

4" SAS

1" W

1½" W

1½" LW

N 3394.0-2

N 3394.00
E 9951.50
15° Bend

45° Bend
INV.-48.76

4" COTG
INV.-47.00

4" COTG
INV.-54.00

4" COTG
INV.-55.00

DRINKING FOUNTAIN (SEE CONSTRUCTION PLAN, SHEET 11)

DRINKING FOUNTAIN (SEE CONSTRUCTION PLAN, SHEET 11)

TO BACK FLOW PREVENTOR (SEE IRRIGATION PLAN, SHEET 12)

Flange Elev. 5630

N 3433.0
E 2068.0

40 PSI

6" W

6" C.I.W.

100'-0"

97'-0"

95'-0"

40'-0"

36'-0"

27.70'

Z70'

45'-0"

33'-0"

5'-0"

10'-0"

30'

NOTES

1. Phase I irrigation water will be supplied by one six(6") inch turbine type water meter located in water zone 3E. The tap will be a six inch (6") water line on Southern Boulevard between Charleston Street and Dallas Street.
2. See Sheet 12 for information for the irrigation system downstream of the meter.

KEYED NOTES

1. CONNECT NEW 6" WATER FOR IRRIGATION SYSTEM TO EXISTING WATER MAIN WITH A NON-PRESSURE CONNECTION. INSTALL NEW THRUST BLOCK AT TEE CONNECTION. SEE VALVE SHUT-OFF PLAN, SHEET 10.
2. NEW 6" TURBINE METER INSTALLED IN METER PIT PER STD. DETAIL 2370, TYPE "B" PIT. (METER FURNISHED AND INSTALLED BY OWNER)
3. INSTALL NEW 4" SANITARY TO EXISTING SANITARY MANHOLE AT INV. ELEV. NOTED.
4. SAME AS KEYED NOTE 1 EXCEPT NEW 1½" DOMESTIC WATER INSTALLED WITHOUT GATE VALVE
5. NEW 1-1/2" POSITIVE DISPLACEMENT METER INSTALLED IN METER BOX PER CITY STANDARD DETAIL # 2363 WITHIN CITY RIGHT OF WAY. (METER FURNISHED AND INSTALLED BY OWNER)
6. CONNECT NEW GAS LINE TO EXISTING VALVED AND CAPPED MAIN LOCATED IN SOUTHERN AVENUE. GAS MAIN SHALL BE SIZED FOR 100,000 BTUH AND ROUTED TO FUTURE PAVILION BY GAS COMPANY.
7. CONNECT NEW 6" WATER FOR NEW FIRE HYDRANT TO EXISTING WATER MAIN IN SOUTHERN AVENUE. INSTALL NEW THRUST BLOCK AT TEE CONNECTION. CONNECT NEW 6" WATER TO EXISTING WITH A NON-PRESSURE CONNECTION. FIRE HYDRANT DEPTH OF BURY 4'-0". FIRE HYDRANT FLANGE ELEVATION 5350.3. SEE VALVE SHUT-OFF PLAN SHEET 10
8. SAND INTERCEPTOR - SEE DETAIL 1 SHEET 10 FOR CONSTRUCTION. INTERCONNECTIONS FOR ALL PIPING BETWEEN FOUNTAIN EQUIPMENT ROOM, SAND INTERCEPTOR AND FOUNTAIN - SEE SHEET 29.
9. NEW 2" DOMESTIC WATER MAIN VALVED AND CAPPED FOR FUTURE RESTROOM GROUP. EXTEND VALVE BOX TO FINISHED GRADE WITH BRASS COVER MARKED "W" FOR WATER SERVICE.
10. NEW GAS MAIN VALVED AND CAPPED FOR FUTURE PAVILION. GAS MAIN INSTALLED, SIZED AND FURNISHED BY THE GAS COMPANY. EXTEND VALVE BOX TO FINISHED GRADE WITH BRASS COVER MARKED "G" FOR GAS SERVICE.
11. FOUNTAIN EQUIPMENT MECHANICAL ROOM, SEE SHEET 29.
12. FOR CONTINUATION OF LINES, SEE FOUNTAIN MECHANICAL DETAILS, SHEET 29.
13. FOUNTAIN WATER TANK, SEE SHEET 29
14. SEE CLEANOUT TO GRADE DETAIL SHEET 10 FOR INSTALLATION (TYPICAL)

MATCHLINE SHEET 10

ALBUQUERQUE PUBLIC SCHOOLS

EXISTING PERIM.

EXISTING EASEMENT

KIRTLAND AIR FORCE BASE

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 27460993

LEGEND

DESCRIPTION	NEW,	EXISTING
SANITARY SEWER LINE	SAS	SAS
SANITARY SEWER MANHOLE	●	○
NATURAL GAS LINE	G	G
WATER LINE	W	W
GATE VALVE	⋈	⋈
FIRE HYDRANTS		
TEES		
CROSSES		
BENDS		
CAPS & PLUGS		
FIELD FENCE	× × × × ×	× × × × ×
PUBLIC EASEMENTS		
WATER PRESSURE		
ZONE BOUNDARY		
PIPE RISE OR DROP	○	
NEW TO EXISTING CONNECTION		
CLEANOUT TO GRADE	⊠ COTG	
THRUST BLOCK	▼	

SOUTHERN AVE.

LOUISIANA BLVD

NORTH (NO SCALE)

KEY PLAN

1"=40' scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY
STAKED CHECKED BY
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS REVISED BY DATE 2/93
COMPUTER FILE MICRO-FILM INFORMATION
RECORDED BY DATE
NO

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS

ENGINEER'S SEAL
STATE OF NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
5/1/90

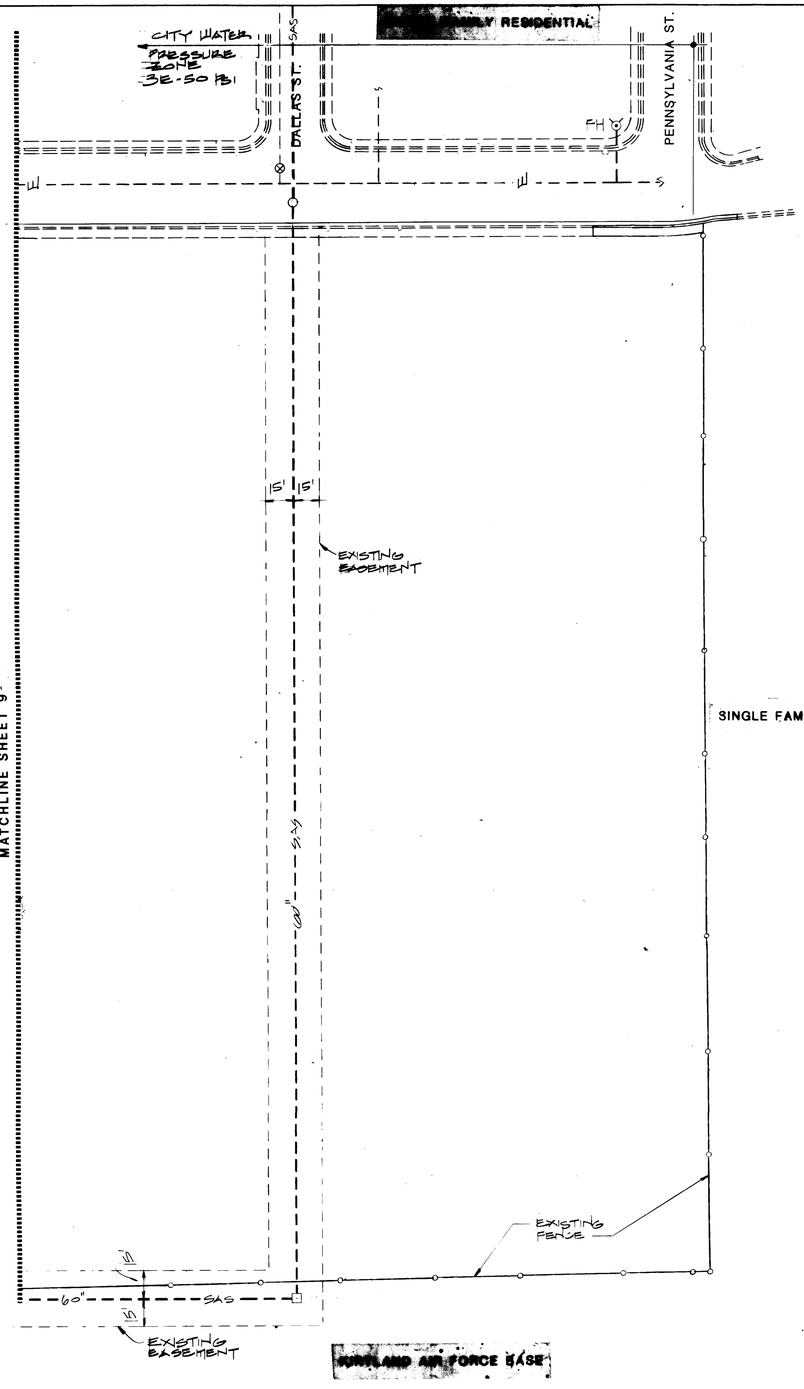
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 5/1/90	DESIGNED BY AUED	
	DATE 5/1/90	DRAWN BY AUED	
	DATE 5/1/90	CHECKED BY JEG	

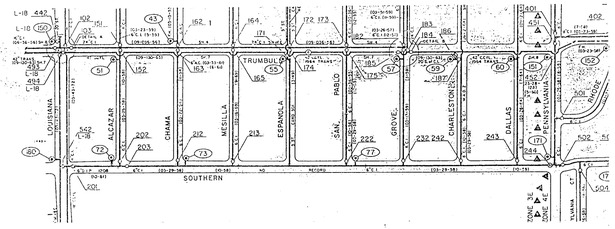
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II
SITE UTILITY PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/7/90
Trans. Dev	N/A PHP	6-12-90			
Utility Dev	R.W. Kane	9-17-90			
Parks	D. Sena	9-5-90			

DRAWING NO. 2746 MAP NO. L-19 SHEET 1 OF





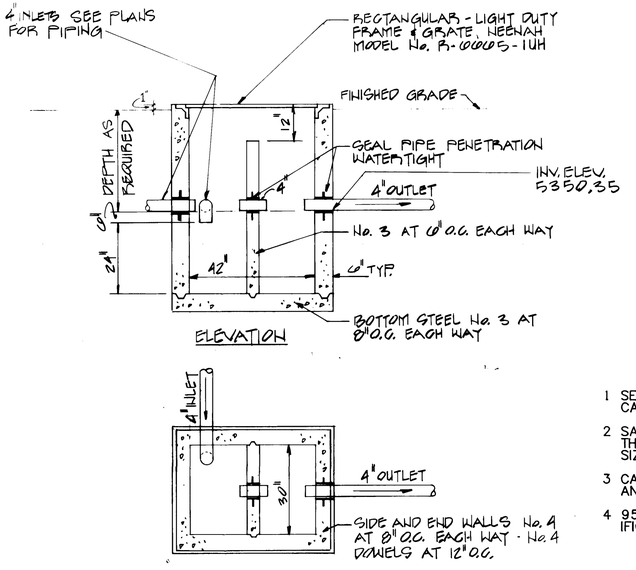
VALVE SHUT-OFF PLAN

NOTE:
VALVES TO BE SHUT-OFF ARE AS LISTED BELOW:

VALVE No.	STREET	INTERSECTING STREET
203	SOUTHERN	ALCAZAR
244	SOUTHERN	PENNSYLVANIA
212	CHAMA	SOUTHERN
213	MESILLA	SOUTHERN
171 & 174	ESPANOLA	TRUMBULL
222	SAN PABLO	SOUTHERN
232	GROVE	SOUTHERN
242	CHARLESTON	SOUTHERN
243	DALLAS	SOUTHERN

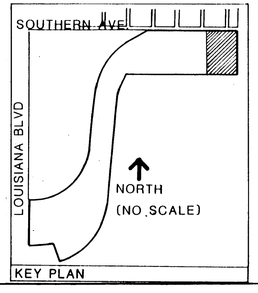
THE CONTRACTOR SHALL NOTIFY THE CITY WATER SYSTEM DIVISION THREE WORKING DAYS BEFORE COMMENCING WORK. WATER SYSTEMS PHONE NUMBER 857-8200

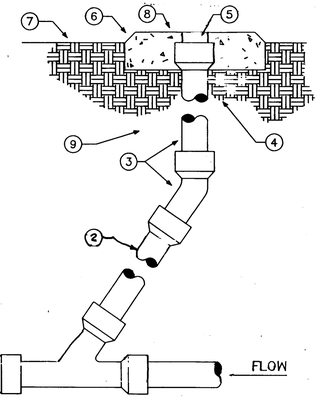
ONLY WATER SYSTEM DIVISION PERSONEL SHALL BE AUTHORIZED TO SHUT-OFF VALVES



SAND INTERCEPTOR DETAIL

1 SHEET 2





1 SERVICE LINE, SEE SPECIFICATIONS FOR PIPE MATERIALS
2 SAME SIZE AS SERVICE LINE, THRU 4" PIPE, MAXIMUM 4" SIZE REQUIRED
3 CAST IRON SOIL PIPE RISER AND FITTINGS
4 95% COMPACTION SEE SPECIFICATIONS
5 IRON FERRULE WITH A BRASS COUNTER-SUNK SCREW PLUG
6 2" CHAMFER ON ALL COLLARS IN EARTH
7 FINISH GRADE, SEE SITE DWG. FOR ELEVATIONS
8 18"x18"x4" THICK CONCRETE COLLAR
9 90% COMPACTION, SEE SPECIFICATIONS

CLEANOUT TO GRADE DETAIL

2 SHEET 10

City of ABQ PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 27 16 093

1"=40' scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTED BY — DATE
ACCEPTANCE — DATE
FIELD VERIFICATION BY — DATE
CORRECTIONS — DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

ENGINEER'S SEAL
BRUCE G. PATRON No. 12911 & 14027 ALBUQUERQUE, N. M.
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
5/11/90

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY AWD	DATE 5/11/90
		DRAWN BY AWD	DATE 5/11/90
		CHECKED BY JBG	DATE 5/11/90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK - PHASES I & II
SITE UTILITY PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/7/90
Trans. Dev.	N/A CMD	6-12-90			
Utility Dev.	K.W. Kane	9-11-90			
Parks	D. Sena	9.5.90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET [redacted] OF [redacted]

ESPANOLA ST.

SAN PABLO ST.

EMIL MANN ADDITION

GROVE ST.

CHARLESTON ST.

CURB RETURN PER CITY STD DTL 2426 REPLACE CURB & GUTTER PER CITY STD DTL 2415 (STD) & SIDEWALK PER CITY STD DTL 2430 AND ASPHALT AS NEEDED DUE TO DEMOLITION

24' SIDEWALK CULVERT PER CITY STD. DTL. 2236. REPLACE CURB & GUTTER PER CITY STD. DTL. 2415 & SIDEWALK PER CITY STD. DTL. 2430 AND ASPHALT AS NEEDED DUE TO DEMOLITION

SOUTHERN AVENUE

CURB RETURN PER CITY STD DTL 2426 REPLACE CURB & GUTTER PER CITY STD DTL 2415 (STD) & SIDEWALK PER CITY STD DTL 2430 AND ASPHALT AS NEED DUE TO DEMOLITION

SEE NOTE #3 THIS SHEET FOR SIDEWALK CURB AND GUTTER WORK EAST OF MATCHLINE

3 PEDESTRIAN GATE PER CITY STANDARD DETAIL 2252

10' GATE PER CITY STANDARD DETAIL 2252

RELOCATED CHAINLINK FENCE (SEE DEMOLITION PLAN FOR EXISTING LOCATION)

3 PEDESTRIAN GATE PER CITY STANDARD DETAIL 2252

WHEELCHAIR RAMP D/19

TYP. MEDIAN C/G CURB L/18

TERMINATION OF CONC. WALK & START OF PEDESTRIAN TRAIL

PEDESTRIAN TRAIL SIGN B/22

STRIPING (SEE NOTE #5)

INTEGRAL HEADER CURB & SEATING AREA ALONG VOLLEYBALL COURT B/19

VOLLEYBALL COURTS

VOLLEYBALL NET SUPPORT POSTS (4 EACH) L/19

HEADER CURB AT PERIMETER OF VOLLEYBALL COURT A/19

I/20 SOFTBALL INFIELD

CONCRETE APRON AT BASE OF RELOCATED FENCE, CONT. FA/19

CONCRETE APRON AT BASE OF FENCE, CONT. H/19

6' FENCE PER CITY STD DTL 2282

STEEL EDGE C/23

BICYCLE TRAIL H/18

PEDESTRIAN TRAIL SIGN (2 EACH) B/22

24" WIDE SIDEWALK CULVERT PER CITY STD DTL 2236

BIKE TRAIL SIGN B/22

TURN AROUND G/21

STEEL EDGE C/23

STANDARD HANDICAP SYMBOL (PAINT SHALL BE AS PER NOTE #1, THIS SHEET)

ASPHALT PAVING AS PER CITY STD. DTL. 2460

STRIPING TYP (SEE NOTE #1)

BIKE TRAIL SIGN B/22

BIKE RACK C/19

HANDICAPPED PARKING SIGN (4 EA) 19/23

CHAIN LINK GATE 90° BIKE TRAIL

BIKE TRAIL SIGNAGE SEE NOTE 4.

SEATING AREA E/20

A/18 CONC. WALK

BURKE KEYED COLD JOINTS (TYP.)

6" DEPTH SAND THRU-OUT VOLLEYBALL COURT

DRINKING FOUNTAIN

LIGHT FIXTURE (TYP.) (SEE ELECTRICAL PLAN, SHEET 16)

BIKE RACK (2) (SEE NOTE #2)

I/18 BICYCLE TRAIL

G/18 PEDESTRIAN TRAIL

I/18 CONC. VALLEY GUTTER

G/18 PEDESTRIAN TRAIL

C/23 STEEL EDGE

C/23 STEEL EDGE

C/23 STEEL EDGE

I/18 BICYCLE TRAIL

CONC. WALK A/18

F/21 BASKETBALL COURT

DRINKING FOUNTAIN

TJT A/20

G/23 KICK (ADD ALT. #1)

SAND INTERCEPTOR (SEE SHEET 10)

PUMP STATION (SEE SHEET 29)

WATER TANK (SEE SHEET 29)

24" SIDEWALK CULVERT AS PER CITY STD. DTL. # 2236 (2 EA)

PEDESTRIAN TRAIL G/18

C/23 STEEL EDGE

VALLEY GUTTER AS PER CITY STD. DTL. # 2415 "ALLEY GUTTER"

D/19 WHEELCHAIR RAMP

VALLEY GUTTER AS PER CITY STD. DTL. # 2415 "ALLEY GUTTER"

J/22 UTILITY ENCLOSURE

A/23 ENTRY PLAZA

B/22 PEDESTRIAN TRAL SIGN

G/8 PEDESTRIAN TRAIL

C/23 STEEL EDGING

6' TEMPORARY CONSTRUCTION FENCE PER CITY STD DTL 2282 (REMOVE AFTER CONSTRUCTION IS COMPLETE AND PRIOR TO NATIVE SEEDING)

LIMIT OF HARD CONSTRUCTION (EXCEPT SIDEWALK, CURB AND GUTTER, SEE NOTE # 3, THIS SHEET)

STEEL EDGING AT BASE OF FENCE (ADD ALT. #2)

2'-0"

2'-0"

ALBUQUERQUE PUBLIC SCHOOLS

NOTES:

1. PAINT FOR PARKING LOT STRIPING SHALL BE WHITE "TRAFFIC PAINT" AVAILABLE FROM WELLBORN PAINTS. STRIPES SHALL BE 4" WIDE
2. BIKE RACKS SHALL BE BIKE-STANCHIONS # BS 88 IN GROUND MOUNT WITH FACTORY BLACK ENAMEL FINISH (2 EACH)
3. CONSTRUCT APPROX. 80 L.F. NEW SIDEWALK PER CITY STD. DTL. # 2430 & CURB & GUTTER PER CITY STD. DTL # 2415 (STD) AT NORTHEAST CORNER OF SITE TO REPLACE EXISTING CURB RETURNS SEE DEMOLITION PLAN (SHEET 3) FOR LOCATION OF WORK. REPLACE ASPHALT AS NEEDED DUE TO DEMOLITION & CONSTRUCTION.
4. CONTRACTOR SHALL PAINT THE WORDS "BIKE TRAIL" AT THE LOCATIONS INDICATED. LETTERS SHALL BE 12' HIGH, MED. HEAVITICA STYLE. PAINT FOR LETTERS SHALL BE WHITE "TRAFFIC PAINT" AVAILABLE FROM WELLBORN PAINTS. DISCONTINUE DIAGONAL STRIPING 12" FROM LETTERING.
5. CONTRACTOR SHALL PROVIDE STRIPING TO INDICATE COURT BOUNDARIES ON THE HEADER CURB SURROUNDING VOLLEYBALL COURTS (PAINT BOTH FACES AND TOP OF CURB.) PAINT SHALL BE BLUE "TRAFFIC PAINT".

KIRTLAND AIR FORCE BASE

LEGEND:
- ASPHALT PAVING
- CRUSHER FINES
- CONCRETE PAVING
- BRICK PAVING

SOUTHERN AVE.
LOUISIANA BLVD
NORTH (NO SCALE)
KEY PLAN

1"=40 scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STARTED BY ____ DATE ____
INSPECTIONS ____
ACCEPTANCE BY ____ DATE ____
VERIFICATION BY SL DATE 2/93
DRAWINGS CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY ____ DATE ____ NO ____

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY ____ DATE ____

ENGINEER'S SEAL

NO.	REVISIONS	DATE	BY
	DESIGN	5/90	
	DESIGNED BY BHH	DATE	
	DRAWN BY PMH	5/90 DATE	
	CHECKED BY ELR	5/90 DATE	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II
CONSTRUCTION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	9/7/90
Trans. Dev	K. Keogh	6-12-90			
Utility Dev	R.W. Kane	9-17-90			
Parks	D. Serna	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 17 OF

26 27461193

ESPANOLA ST.

SAN PABLO ST.

GROVE ST.

CHARLESTON ST.

SOUTHERN AVENUE

SEE IRRIGATION NOTE #7 ON SHEET 13 FOR NOZZLE SIZE.

TO WATER METER (SEE SITE UTILITY PLAN - SHEET 9)

SEE 8 FOR CONTINUATION OF PUDDLER SYSTEM.

TO WATER METER (SEE SITE UTILITY PLAN - SHEET 9)

1" 3/4" BECKETT PUMP & BACK-FLOW PREVENTER ASSEMBLY.

A/12 IRRIGATION PLAN & UTILITY ENCLOSURE SCALE 1"=10'

MATCHLINE SHEET 13

[redacted]

[redacted]

MATCHLINE SHEET 12 FOR IRRIGATION LEGEND AND IRRIGATION NOTES

SOUTHERN AVE.

LOUISIANA BLVD.

NORTH (NO SCALE)

KEY PLAN

NOTE:
ALL PIPING SHALL BE LOCATED IN SHRUB BEDS OR IN TURF AREAS ONLY. PLAN IS SCHEMATIC AND LOCATIONS SHOWN ARE FOR CLARITY ONLY.

2G 27461293

1"=40' 40 0 40 80 scale feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II [redacted]

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[redacted]	[redacted]	Hydrology	[redacted]	9/7/90
Trans. Dev.	N/A RHO	6-12-90			
Utility Dev.	R.W. Kane	9-17-90			
Parks	D SILVA	9-5-90			

DRAWING NO. [redacted] MAP NO. L-19 SHEET [redacted] OF [redacted]

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
FIELD NOTES
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

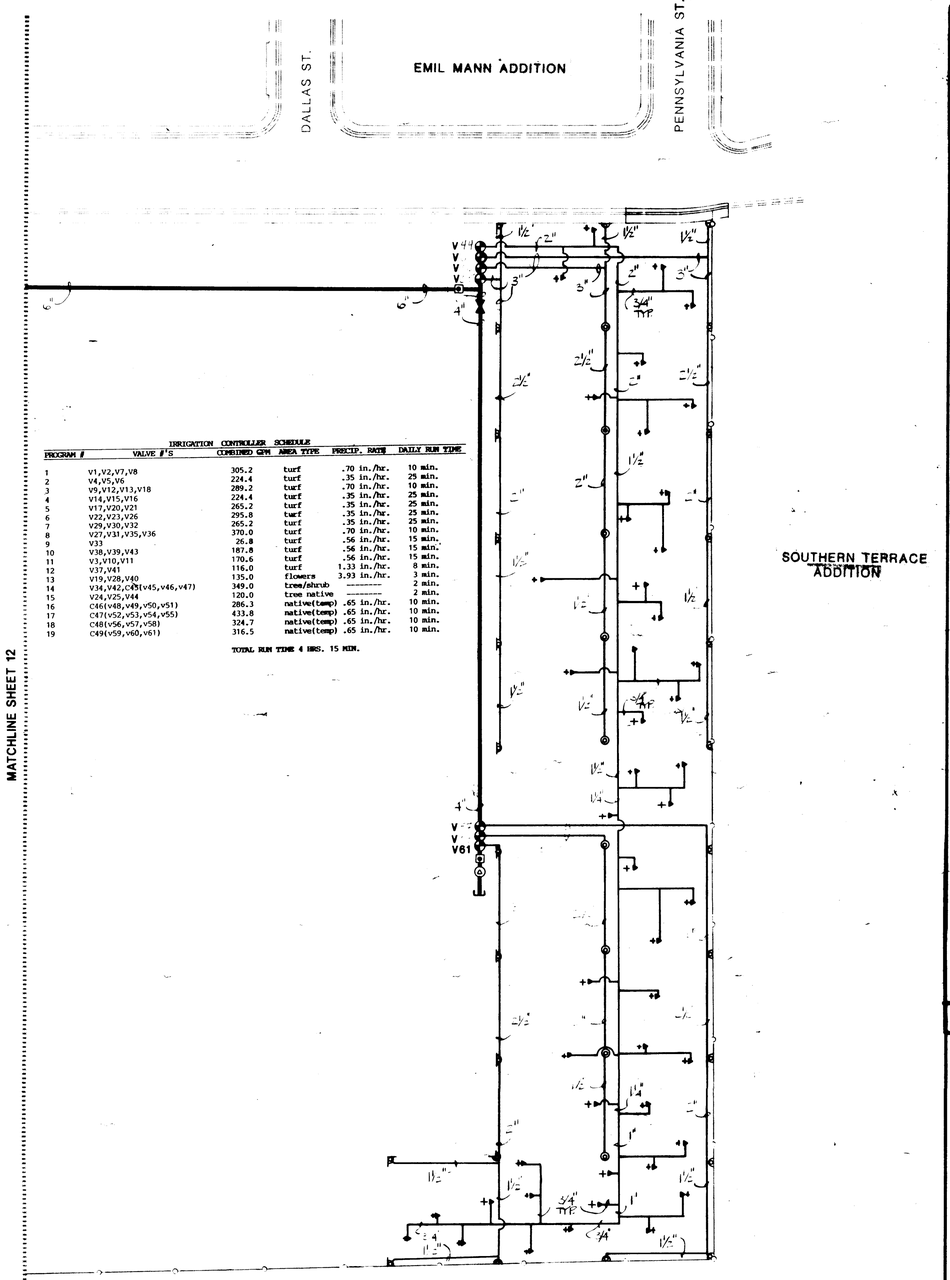
BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	10/91	AS-BUILTS	

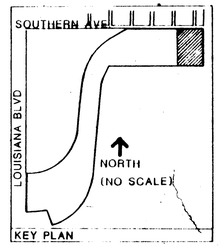
REVISIONS
DESIGN — DATE 5/11/90
DESIGNED BY DJG
DRAWN BY DJG — DATE 5/11/90
CHECKED BY ECR — DATE 5/11/90



IRRIGATION CONTROLLER SCHEDULE

PROGRAM #	VALVE #'S	COMBINED GPM	AREA TYPE	PRECIP. RATE	DAILY RUN TIME
1	V1,V2,V7,V8	305.2	turf	.70 in./hr.	10 min.
2	V4,V5,V6	224.4	turf	.35 in./hr.	25 min.
3	V9,V12,V13,V18	289.2	turf	.70 in./hr.	10 min.
4	V14,V15,V16	224.4	turf	.35 in./hr.	25 min.
5	V17,V20,V21	265.2	turf	.35 in./hr.	25 min.
6	V22,V23,V26	295.8	turf	.35 in./hr.	25 min.
7	V29,V30,V32	265.2	turf	.35 in./hr.	25 min.
8	V27,V31,V35,V36	370.0	turf	.70 in./hr.	10 min.
9	V33	26.8	turf	.56 in./hr.	15 min.
10	V38,V39,V43	187.8	turf	.56 in./hr.	15 min.
11	V3,V10,V11	170.6	turf	.56 in./hr.	15 min.
12	V37,V41	116.0	turf	1.33 in./hr.	8 min.
13	V19,V28,V40	135.0	flowers	3.93 in./hr.	3 min.
14	V34,V42,C45(V45,v46,v47)	349.0	trees/shrub	--------	2 min.
15	V24,V25,V44	120.0	tree native	--------	2 min.
16	C46(v48,v49,v50,v51)	286.3	native(temp)	.65 in./hr.	10 min.
17	C47(v52,v53,v54,v55)	433.8	native(temp)	.65 in./hr.	10 min.
18	C48(v56,v57,v58)	324.7	native(temp)	.65 in./hr.	10 min.
19	C49(v59,v60,v61)	316.5	native(temp)	.65 in./hr.	10 min.

TOTAL RUN TIME 4 HRS. 15 MIN.



IRRIGATION LEGEND

- TORO 570C-4P POP-UP SPRINKLER.....SEE DETAIL
  - △ SB-4-180-PC PRESSURE COMPENSATING STREAM BUBBLER - .9 GPM (NO CHECK VALVE)
  - ○ SB-360-PC PRESSURE COMPENSATING STREAM BUBBLER - 1.9 GPM (NO CHECK VALVE)
  - ▲ SB-180-PC PRESSURE COMPENSATING STREAM BUBBLER - 1.0 GPM (NO CHECK VALVE)
  - ▲ FB-100-PC PRESSURE COMPENSATING FLOOD BUBBLER - 1 GPM (NO CHECK VALVE)
  - 12-Q-PC 12' RADIUS; 90° ARC; .5 GPM PRESSURE COMPENSATING WITH INTERNAL CHECK VALVE
  - 12-H-PC 12' RADIUS; 180° ARC; 1.0 GPM PRESSURE COMPENSATING WITH INTERNAL CHECK VALVE
  - 12-F-PC 12' RADIUS; 360° ARC; 2.0 GPM PRESSURE COMPENSATING WITH INTERNAL CHECK VALVE
- TORO 570C-12P HIGH POP SPRINKLER.....SEE DETAIL
  - 12-Q-PC 12' RADIUS; 90° ARC; .5 GPM PRESSURE COMPENSATING (NO CHECK VALVE)
  - 12-H-PC 12' RADIUS; 180° ARC; 1.0 GPM PRESSURE COMPENSATING (NO CHECK VALVE)
  - 12-F-PC 12' RADIUS; 360° ARC; 2.0 GPM PRESSURE COMPENSATING (NO CHECK VALVE)
  - 12-270-PC 12' RADIUS; 270° ARC; 1.4 GPM PRESSURE COMPENSATING (NO CHECK VALVE)
- GEAR DRIVEN ROTORY SPRINKLER WITH INTERNAL CHECK VALVE.....SEE DETAIL
  - 24' RADIUS; 90° ARC; .9 GPM @ 50 PSI
  - 24' RADIUS; 180° ARC; 1.8 GPM @ 50 PSI
  - 24' RADIUS; 360° ARC; 3.6 GPM @ 50 PSI
- GEAR DRIVEN ROTARY SPRINKLER WITH INTERNAL CHECK VALVE.....SEE DETAIL
  - 30' RADIUS; ADJUSTABLE PART CIRCLE; 1.7 GPM @ 50 PSI
  - 42' RADIUS; ADJUSTABLE PART CIRCLE; 3.4 GPM @ 50 PSI
  - 40' RADIUS; ADJUSTABLE PART CIRCLE; 1.6 GPM @ 50 PSI
  - 42' RADIUS; ADJUSTABLE PART CIRCLE; 3.5 GPM @ 50 PSI
  - 48' RADIUS; 360° ARC; 6.2 GPM @ 50 PSI
- GEAR DRIVEN ROTARY SPRINKLER WITH INTERNAL CHECK VALVE..SEE DETAIL
  - RADIUS; 90° ARC; 8.0 GPM @ 50 PSI
  - RADIUS; 180° ARC; 10.2 GPM @ 50 PSI
  - RADIUS; 270° ARC; 11.0 GPM @ 50 PSI
  - RADIUS; 360° ARC; 10.2 GPM @ 50 PSI

  (SPECIAL ARCS AS NOTED ON PLAN)
- TORO 252-06-04 1" PLASTIC AUTOMATIC VALVE ASSEMBLY.....SEE DETAIL
- TORO 252-06-06 1-1/2 PLASTIC AUTOMATIC VALVE ASSEMBLY.....SEE DETAIL
- TORO 252-06-08 2" PLASTIC AUTOMATIC VALVE ASSEMBLY.....SEE DETAIL
- TORO 474-04 1" QUICK COUPLER VALVE.....SEE DETAIL
- TORO 404-02 SERIES IMPACT DRIVE SPRINKLER.....SEE DETAIL
  - 63' RADIUS; 360° ARC; 24.5 GPM @ 60 PSI
- TORO 434-01 SERIES IMPACT DRIVE SPRINKLER.....SEE DETAIL
  - 58' RADIUS; ADJUSTABLE PART CIRCLE; 14.6 GPM @ 60 PSI
- GATE VALVE ASSEMBLY - LINE SIZE
  - 3" AND LARGER; PEGLAR 700A SERIES RING END-W.R.S.....SEE DETAIL
  - 2-1/2" AND SMALLER: PEGLAR 8-68 SERIES THREADED.....SEE DETAIL
- FEBCO 825 6" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER.....SEE DETAIL
- .....SEE DETAIL
- WATERMAN AV-150 2" AIR RELEASE VALVE.....SEE DETAIL
- MOTOROLA MIR 9000 SATELLITE CONTROLLER.....RADIUS # 67.....SEE DETAIL
- AQUA ENGINEERING WEATHER STATION # 012.....PH.# 266-4240.....SEE DETAIL
- (P) 20 H.P. CENTRIFUGAL BOOSTER PUMP.....SEE DETAIL
- LATERAL PIPE - CLASS 200 SOLVENT WELD PVC; 18" BURY MIN. (SIZES AS INDICATED)
- MAINLINE PIPE - 28" BURY MIN. (SIZES AS INDICATED)
  - 3" AND LARGER: CLASS 200 RING END PVC
  - 2-1/2" AND SMALLER; SCHEDULE 40 SOLVENT WELD PVC
- SLEEVE PIPE - CLASS 200 PVC (2 SIZES LARGER THAN PIPE BEING SLEEVED)
- LIGHT FIXTURE (SEE ELECTRICAL PLAN, SHEET 16)
- + TREE CENTER (SEE PLANTING PLAN, SHEET 14 & 15)

A 24 · B 24 · C 24 · D 24 · E 24 · A 25 · A 25 · A 25 · B 25 · E 25 · E 25 · C 25 · D 25 · F 24 · F 25 · G 25 · F 24 · H 25

IRRIGATION NOTES

1. Where crossing existing hard construction, the Contractor shall saw-cut existing asphalt and/or concrete prior to trenching, remove and properly dispose of debris, install sleeve piping, compact subgrade to 95%, and replace asphalt and/or concrete to match existing areas, in accordance with City Standard Detail 2465.
2. The Contractor shall adjust all valves, bubblers, and sprinklers for optimum coverage, and shall provide and install nozzles other than those specified as instructed by the Landscape Architect at no additional cost to the Owner.
3. Exposed conduit for 24 volt conductors above grade and outside of buildings shall be rigid steel conduit.
4. All 24 volt wire shall be marked with a 6" wide yellow marker tape and marked "Warning-Electrical". Lay marker tape horizontally 4" above wire.
5. Temporary irrigation piping shall be Sch. 40 PVC and shall be installed with invert of pipe flush to finish grade. Contractor shall secure pipe to ground at sprinkler head locations and changes of direction using ground staples or equal device to be approved by the Landscape Architect.
6. Heads on automatic valve # V2 system shall have # 43 nozzle size.
7. Heads on automatic valve # V11 system shall have # 28 nozzle size.
8. Contractor shall install all bubblers on high side of tree wells.
9. Where sprinkler heads are adjacent to light poles, Contractor shall install sprinkler head at front face of light pole.
10. Contractor shall group valves V29 and V32; V30 and V31; V36, V37 and V38; V57, V58, V59 and V60; V54, V56 and V61 and wire to a single station for each group. Splices shall be made at controller location.
11. Irrigation head counts on Valve Schedule are approximate. Plans shall govern actual quantities.
12. Bubblers to be installed on uphill side of trees and shrubs (typ.)
13. Anticipated run time of Irrigation System is approximately 6.5 hours. Each automatic valve shall be wired to a single controller station, except as noted. Automatic valves shall run in groups as noted in controller schedule.
14. Booster Pump shall provide 50 psi boost at 325 GPM flow.

IRRIGATION VALVE SCHEDULE

VALVE #	GPM	SIZE	HEAD TYPE	# OF HEADS	AREA TYPE	PRECIPITATION RATE (IN./HR.)
V1	69.2	2"	ROTARY	7	TURF	.70
V2	56.8	2"	ROTARY	4	TURF	.70
V3	25.3	1-1/2"	ROTARY	17	TURF	.56
V4	61.2	2"	ROTARY	6	TURF	.35
V5	71.4	2"	ROTARY	7	TURF	.35
V6	91.8	2"	ROTARY	9	TURF	.35
V7	77.2	2"	ROTARY	8	TURF	.70
V8	102	2"	ROTARY	10	TURF	.70
V9	51	2"	ROTARY	5	TURF	.70
V10	85.5	2"	ROTARY	45	TURF	.56
V11	59.8	2"	ROTARY	31	TURF	.70
V12	91.8	2"	ROTARY	9	TURF	.70
V13	64.8	2"	ROTARY	7	TURF	.70
V14	71.4	2"	ROTARY	7	TURF	.35
V15-C46	70	2"	ROTARY	19	NATIVE	.56
V16-C46	73.2	2"	ROTARY	20	NATIVE	.56
V17-C46	72.3	2"	ROTARY	16	NATIVE	.56
V20	81.6	2"	ROTARY	8	TURF	.35
V21	71.4	2"	ROTARY	17	TURF	.35
V22	91.8	2"	ROTARY	9	TURF	.35
V23	81.6	2"	ROTARY	8	TURF	.70
V26-C46	70.8	2"	ROTARY	21	NATIVE	.56
V25-C45	83.0	2"	BUBBLER	78	SHRUB	---
V24	45.0	2"	FIXED	50	SHRUB	2.9
V29	81.6	2"	ROTARY	8	TURF	.35
V30	91.8	2"	ROTARY	9	TURF	.35
V32	91.8	2"	ROTARY	9	TURF	.35
V33	102	2"	ROTARY	10	TURF	.35
V34	53	2"	BUBBLER	53	TREE	---
V44-C45	76	2"	BUBBLER	76	VINE	---
V47-C45	84	2"	BUBBLER	84	VINE	---
V35	20	1-1/2"	BUBBLER	20	TREE	---
V36	102	2"	ROTARY	10	TURF	.35
V37	102	2"	ROTARY	10	TURF	.70
V38	78	2"	FIXED	64	NATIVE	1.33
V39-C47	126.7	2"	TEMP. ROTARY	8	NATIVE	.65
V40-C47	117.3	2"	TEMP. ROTARY	6	NATIVE	.65
V41-C47	102.2	2"	TEMP. ROTARY	7	NATIVE	.65
V42	91.8	2"	ROTARY	9	TURF	.35
V43	91.8	2"	ROTARY	9	TURF	.35
V45	72.8	2"	ROTARY	8	TURF	.70
V46	26.8	1-1/2"	ROTARY	12	TURF	.56
V48	81.6	2"	ROTARY	8	TURF	.70
V49	32	1-1/2"	BUBBLER	32	SHRUB/TREE	---
V50	107.8	2"	ROTARY	11	TURF	.35
V51	87.4	2"	ROTARY	9	TURF	.70
V52	86.0	2"	FIXED	84	TURF	1.33
V53	57.8	2"	ROTARY	36	TURF	.56
V54	36.4	1-1/2"	ROTARY	18	TURF	.56
V55	12	1"	FIXED	18	FLOWER	3.93
V56	30	1-1/2"	FIXED	25	TURF	1.33
V57	74	2"	BUBBLER	63	SHRUB/TREE	---
V58	93.6	2"	ROTARY	50	TURF	.56
V59-C49	126.7	2"	TEMP. ROTARY	8	NATIVE	.65
V60	47.0	2"	BUBBLER	47	TREE	---
V60-C47	87.6	2"	TEMP ROTARY	6	NATIVE	.65
V61-C48	139.1	2"	TEMP. ROTARY	6	NATIVE	.65
V57-C49	87.6	2"	TEMP. ROTARY	6	NATIVE	.65
V58-C48	87.6	2"	TEMP. ROTARY	6	NATIVE	.65
V59-C49	98.0	2"	TEMP. ROTARY	4	NATIVE	.65
V61 - C49	102.2	2"	TEMP. ROTARY	7	NATIVE	.65

IRRIGATION CONTROLLER SCHEDULE

#	VALVE #'S	COMBINED GPM	AREA TYPE	PRECIP. RATE	DAILY RUN TIME
1	V9, V26, V45	320	TURF	.47 IN/HR.	30 MIN.
2	V5, V13, V43	285	TURF	.47 IN/HR.	30 MIN.
3	V4, V14, V40	306	TURF	.47 IN/HR.	30 MIN.
4	V1, V7, V28	357	TURF	.47 IN/HR.	30 MIN.
5	V6, V19, V41	338	TURF	.47 IN/HR.	30 MIN.
6	V17, V18, V27	348	TURF	.47 IN/HR.	30 MIN.
7	V8, V12, V22	285	TURF	.47 IN/HR.	30 MIN.
8	V3, V11, V42, V46	148	TURF	.70 IN/HR.	25 MIN.
9	V10, V48, V53	159	TURF	.70 IN/HR.	25 MIN.
10	V47, V52		TURF	1.33 IN/HR.	12 MIN.
11	V15, V16, V17, V22		NATIVE	.56 IN/HR.	25 MIN.
12	V24, V30, V31, V44	139	NATIVE	2.9 IN/HR.	5 MIN.
13	V23, V30, V31, V44	275	SHRUB	-----	2 MIN.
14	V29, V32, V52, V55	194	SHRUB	-----	2 MIN.
15	V36, V37, V38, V58	395	NATIVE (TEMP)	.54 IN/HR.	20 MIN.
16	V57, V59, V60	323	NATIVE (TEMP)	.54 IN/HR.	20 MIN.
17	V54, V56, V61	312	NATIVE (TEMP)	.54 IN/HR.	20 MIN.

RUN TIME 6 HRS. 10 MIN.

This Controller Schedule has been provided to group valves for service similar landscape areas and have matched precipitation rates in order to maximize plant material within a four hour water window. Initial run times for seeded areas will be divided into six minute cycles until seed has been established. Calculations are based on the condition of 7.5 inches of evapotranspiration during the month, July with no rain considered. The schedule will need to be adjusted by the Owner to correspond to varying climatic conditions month by month. The schedule will also need to be adjusted after the plant material is established to reduce the amount of water given to trees and shrubs.

1"=40' scale 40 0 40 80 feet

MORROW & COMPANY
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210 La Veta Drive NE
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505-268-2266

26 27461393

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY — DATE
INSPECTORS — DATE
FIELD PHASE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JIM R. RUNS
10/91

NO.	DATE
1	5/90
2	5/90
3	5/90

DESIGNED BY DJS
DRAWN BY DJS
CHECKED BY EDZ

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK - PHASES I & II
IRRIGATION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/1/90
Trans. Dev	N/A CHM	6-12-90			
Utility Dev	R.W. Kane	4-17-90			
Parks	D. Sena	4-5-90			

DRAWING NO. 2746 · MAP NO. L-19 · SHEET [redacted] OF [redacted]

ALBUQUERQUE PUBLIC SCHOOLS

ESPANOLA ST.

SAN PABLO ST.

GROVE ST

CHARLESTON ST.

EMIL MANN ADDITION

SOUTHERN AVENUE

NOTE: PRUNE LOWEST BRANCHES OF PINES TO MINIMUM 2' ABOVE FINISH GRADE

NOTE: PRUNE LOWEST BRANCHES OF PINES TO MINIMUM 8' ABOVE FINISH GRADE

CLEAR SIGHT TRIANGLE TYP

7' MIN (TYP.)

FRA AME (12)

ELA ANG (1)

KOE PAN (5)

DIRT

FRA AME (7)

TURF

PLA ACE (7)

SOP JAP (6)

GEL RET (10)

PYR CAL (5)

PLA WAI (10)

SEED AREA W/ NATIVE GROUNDCOVER AS NEEDED DUE TO CONSTRUCTION

FRA AME (14)

KOE PAN (7)

PLA WAI (14)

BARK MULCH AT BASE OF VINES (ADD. ALT. #2)

PIN NIG (3)

LON JAP (21)

PAR QUI (21)

SAY MEX (11)

E. A ANG (10)

CHI LIN (2)

PIC PUN (6)

LONSEM (84)

SAM MEX (3)

RESEED AREA W/ NATIVE GROUNDCOVER AS NEEDED DUE TO CONSTRUCTION

PIN NIG (5)

FRA AME (15)

ELA ANG (1)

FRA AME (10)

PYR CAL (5)

SYR VUL (8)

GLE TRI (16)

PLA WAI (1) (MULTI-TRUNK)

LIGHT FIXTURE (TYP) (SEE ELECTRICAL PLAN, SHEET 16)

FRA AME (5)

SOP JAP (7)

FRA AME (7)

CHI LIN (5)

SAM MEX (7)

ELA ANG (3)

PYR CAL (10)

PIN PIN (1)

#1

#5

#6

TURF

KOE PAN (4)

PIN NIG (8)

PYR CAL (14)

GLE TRI (7)

FRA VEL (16)

PLA WAI (1) (MULTI-TRUNK)

PYR CAL (18)

FRA VEL (6)

FRA VEL (10)

PLA ACE (15)

PYR CAL (6)

GLE TRI (8)

FRA OXY (12)

PIC PUN (5)

PRUNE EXISTING TREES TO LOWEST BRANCH TO 8' ABOVE GRADE (TYP.)

NOTE: TREES SHALL NOT BE PLANTED MORE THAN 5' TO THE SANITARY SEWER EASEMENT.

PIN PIN (8)

SAM MEX (2)

PIN NIG (13)

GEL SEM (32)

EXISTING 30' SAS EASEMENT

SEED AREA W/ NATIVE GROUNDCOVER AS NEEDED DUE TO CONSTRUCTION

MATCHLINE SHEET 15

SOUTHERN AVE.

LOUISIANA BLVD.

NORTH (NO SCALE)

KEY PLAN

KIRTLAND AIR FORCE BASE

NOTE : SEE SHEET 15 FOR PLANT LIST AND PLANTING NOTES.

1"=40 scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

Existing Ms. 26 27461493

AS BUILT INFORMATION
CONTRACTOR ACUBUILT LANDSCAPE
WORK STAKED BY
INSPECTED BY DATE
AS-BUILT INFO BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE 2/93
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
No. 3
BRUCE H. MORROW
REGISTERED LANDSCAPE ARCHITECT
6/11/90

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		BHM	DATE 5/90
DRAWN BY		SIM	DATE 5/90
CHECKED BY		BCR	DATE 5/90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

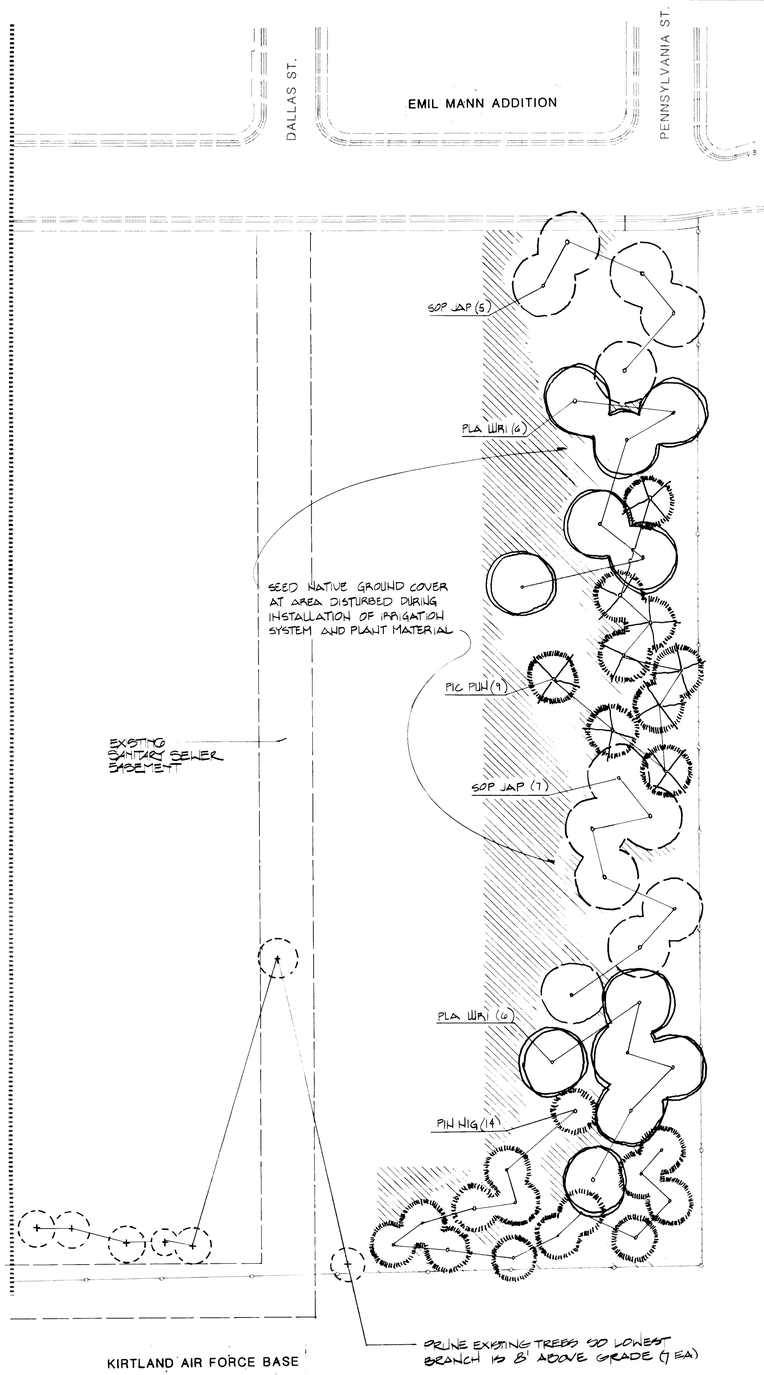
TITLE: PHIL CHACON PARK PHASES I & II
PLANTING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/1/90
Trans. Dev.	N/A				
Utility Dev.	R.W. Kane	9-17-90			
Parks	D. Sena	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 14 OF 29

SHEET 15

128890



PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	REMARKS
TREES					
CEL RET	Celtis reticulata	Western Hackberry	10	2" cal., 12'-14' ht., 3' min. spd.	24" box
CHI LIN	Chilopsis linearis	Desert Willow	8	2" cal., 10'-12' ht., 3' min. spd.	24" box
ELA ANG	Elaeagnus angustifolia	Russian Olive	19	2" cal., 10'-12' ht., 3' min. spd.	24" box
FRA AME	Fraxinus americana 'Autumn Purple'	Autumn Purple Ash	76	2" cal., 12'-14' ht., 3' min. spd.	24" box
FRA OXY	Fraxinus oxycarpa 'Raywood'	Raywood Ash	12	2" cal., 12'-14' ht., 3' min. spd.	24" box
FRA VEL	Fraxinus velutina 'Modesto'	Modesto Ash	26	2" cal., 12'-14' ht., 3' min. spd.	24" box
GLE TRI	Gleditsia triacanthos inermis 'Skyline'	Skyline Honey Locust	31	2" cal., 12-14' ht., 3' min. spd.	24" box
KOE PAN	Koelreuteria paniculata	Goldenrain Tree	16	2" cal., 12'-14' ht., 3' min. spd.	24" box
PIC PUN	Picea pungens	Blue Spruce	26	6'-8' ht., 3' min. spd.	24" box
PIN NIG	Pinus nigra	Austrian Pine	46	6'-8' ht., 3' min. spd.	24" box
PIN PIN	Pinus pinea	Italian Stone Pine	13	6'-8' ht., 3' min. spd.	24" box
PLA ACE	Platanus acerifolia	London Plane Tree	22	2" cal., 12'-14' ht., 3' min. spd.	24" box
PLA WRI	Platanus wrightii	Arizona Sycamore	44	2" cal., 12'-14' ht., 3' min. spd.	24" box
PLA WRI	Platanus wrightii	Arizona Sycamore	5	Multi-trunk consisting of: (1) 2" cal., 12'-14' ht., 3' min. spd. (1) 1-1/2" cal., 10'-12' ht., 3' min. spd. (1) 1" cal., 8'-10' ht., 3' min. spd.	24" box 15 gallon 15 gallon
PYR CAL	Pyrus calleryana 'Bradford'	Bradford Pear	58	2" cal., 10'-12' ht., 3' min. spd.	24" box
SOP JAP	Sophora japonica	Japanese Pagoda	25	2" cal., 12'-14' ht., 3' min. spd.	24" box
SHRUBS					
CHR NAU	Chrysothamnus nauseosus	Rubber Rabbitbrush	35	2'-3' ht.	5 gallon, 6'-0" o.c.
COT DAM	Cotoneaster dammeri	Bearberry Cotoneaster	39	2'-3' ht.	5 gallon, 2'-3' min. spd.
FAL PAR	Fallugia paradoxa	Apache Plume	52	2'-3' ht.	5 gallon, 6'-0" o.c.
JUN SAB	Juniperus sabina 'Broadmoor'	Broadmoor Juniper	21	10" min. ht., 18" min. spd.	5 gallon, 4'-0" o.c.
PEN SET	Pennisetum setaceum	Fountain Grass	30	8" min. ht.	5 gallon, 30" o.c.
RHU TRI	Rhus trilobata	Skunkbush	47	2'-3' ht., 6'-0" min. spd.	5 gallon,
SAM MEX	Sambucus mexicana	Mexican Elder	31	2'-3' ht., 2'-3' min. spd.	5 gallon
SYR VUL	Syringa vulgaris	Lilac	6	2'-3' ht., 2'-3' min. spd.	5 gallon
VINES AND GROUNDCOVER					
LON SEM	Lonicera sempervirens 'Magnifica'	Trumpet Honeysuckle	84	Min. 4 stems of 12" min. length	1 gallon, 3'-0" o.c.
GEL SEM	Gelsemium sempervirens	Carolina Jessamine	32	Min. 4 stems of 12" min. length	1 gallon, 5'-0" o.c.
HED HEL	Hedera helix	English Ivy	33	Min. 4 stems of 12" min. length	1 gallon, 12" o.c.
LON JAP	Lonicera japonica 'Halliana'	Hall's Honeysuckle	21	Min. 4 stems of 12" min. length	1 gallon, 12" o.c.
PAR QUI	Parthenocissus quinquefolia	Virginia Creeper	27	Min. 4 stems of 12" min. length	1 gallon, 10'-0" o.c.

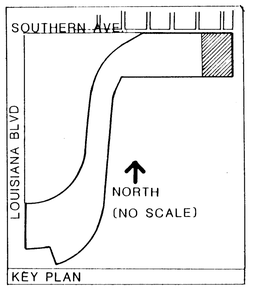
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY		REMARKS
FLOWERS					
ACH MIL	Achillea millefolium	Yarrow	450 SF	---	Seed @ 1 oz. per 2000 SF
COR LAN	Coreopsis lanceolata	Coreopsis	480 SF	---	Seed @ 1 oz. per 250 SF
ECH PUR	Echinacea purpurea	Purple Coneflower	670 SF	---	Seed @ 1 oz. per 200 SF
GAI ARI	Gaillardia aristata	Gaillardia	310 SF	---	Seed @ 1 oz. per 250 SF
LIN PER	Linum perenne 'Lewisii'	Blue Flax	175 SF	---	Seed @ 1 oz. per 300 SF
PEN PIN	Penstemon pinifolius	Pineleaf Penstemon	260 SF	---	Seed @ 1 oz. per 200 SF
VIO WIT	Viola wittrockiana Pale Lavender	Pansy	151 SF	---	Flats, 6" o.c.
VIO WIT	Viola wittrockiana Deep Purple	Pansy	122 SF	---	Flats, 6" o.c.
TURF					
	Poa pratensis 'Adelphi'	Adelphi Kentucky Bluegrass	390,000 SF	----	Seed at 250 lbs. per acre with equal amounts (by weight) of each
	Lolium perenne 'Manhattan'	Manhattan Ryegrass	----	----	
	Festuca elatior 'Rebel'	Tall Fescue	----	----	
NATIVE GROUNDCOVER			168,400 SF		Seed
	Bouteloua eripoda	Black Grama			2 lbs. PLS/acre at 1/2" depth
	Bouteloua gracilis	Blue Grama			2 lbs. PLS/acre at 1/2" depth
	Hilaria jamesii	Galleta			5 lbs. PLS/acre at 1/2" depth
	Sporobolus cryptanarus	Sand Dropseed			3 lbs. PLS/acre at 1/2" depth

PLANTING NOTES

1. In case of a discrepancy in plant quantities shown on the Plant List and those shown on the Planting Plans, the quantities shown on the plans shall govern.
2. Quantities shown on the Plant List are estimates only. Contractor shall verify all quantities prior to bid and installation. No additional payment will be made for any discrepancies in quantities between the Planting Plans and the Plant List.
3. See Sheet 26 for Tree and Shrub Planting Details.
4. A 2" depth of splintered decorative bark mulch shall be installed throughout all shrub beds and under tree grates.
5. A 36" diameter ring of 2" depth bark mulch shall be provided at the base of all trees outside shrub beds including at existing trees.
6. A 2' wide strip of 2" depth bark mulch shall be installed at the base of vines at fence. (Add Alt. #4)
7. The Contractor shall prune lower branches of deciduous trees to 6 feet above finish grade.
8. Where trees are adjacent to walks, trails, or other hard construction items, the distance between the tree center and the adjacent hard construction shall be a minimum of 7'-0", unless specifically noted at easements. (See Note #13)
9. If there is a discrepancy in field or nursery trees between the container size called out under "Size" and the caliper and height called out under "Remarks", the specified tree must meet the caliper and height requirements specified under "Remarks," even if a larger container size is required to meet these specifications, at no additional cost to the Owner.
10. Balled and burlapped (B & B) trees will be an acceptable substitute for container trees. B & B trees must meet the size requirements specified under "Remarks". Root ball sizes must meet the following specifications.

Deciduous Trees	Caliper 2"	Min. Root Ball Diameter 24"
Evergreen Trees	Height 4'-6'	Min. Root Ball Diameter 20"
	6'-8'	24"
	8'-10'	30"

11. Add. Alt. #3: Contractor shall install boulders (50 EA) in south native planting area and at sycamore grove east of entry plaza as directed by Landscape Architect in the field. Boulders shall be 4'x 4'x 5'. Boulders shall be set with 1/3 to 1/2 of boulder below finish grade.
12. See Sheet 26 for tree and shrub planting details.
13. Trees shall be planted no more than 5' into sanitary easement.



1"=40' scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

26 27461593

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY DATE
PROJECT SPECIFICS DATE
ACCEPTANCE BY DATE
FIELD DATE
CORRECTIONS BY DATE 9/93
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
MARK H. MORROW
NO. 2
REGISTERED LANDSCAPE ARCHITECT

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 5/90		BHM
	DATE 5/90		SJM
	DATE 5/90		ECR

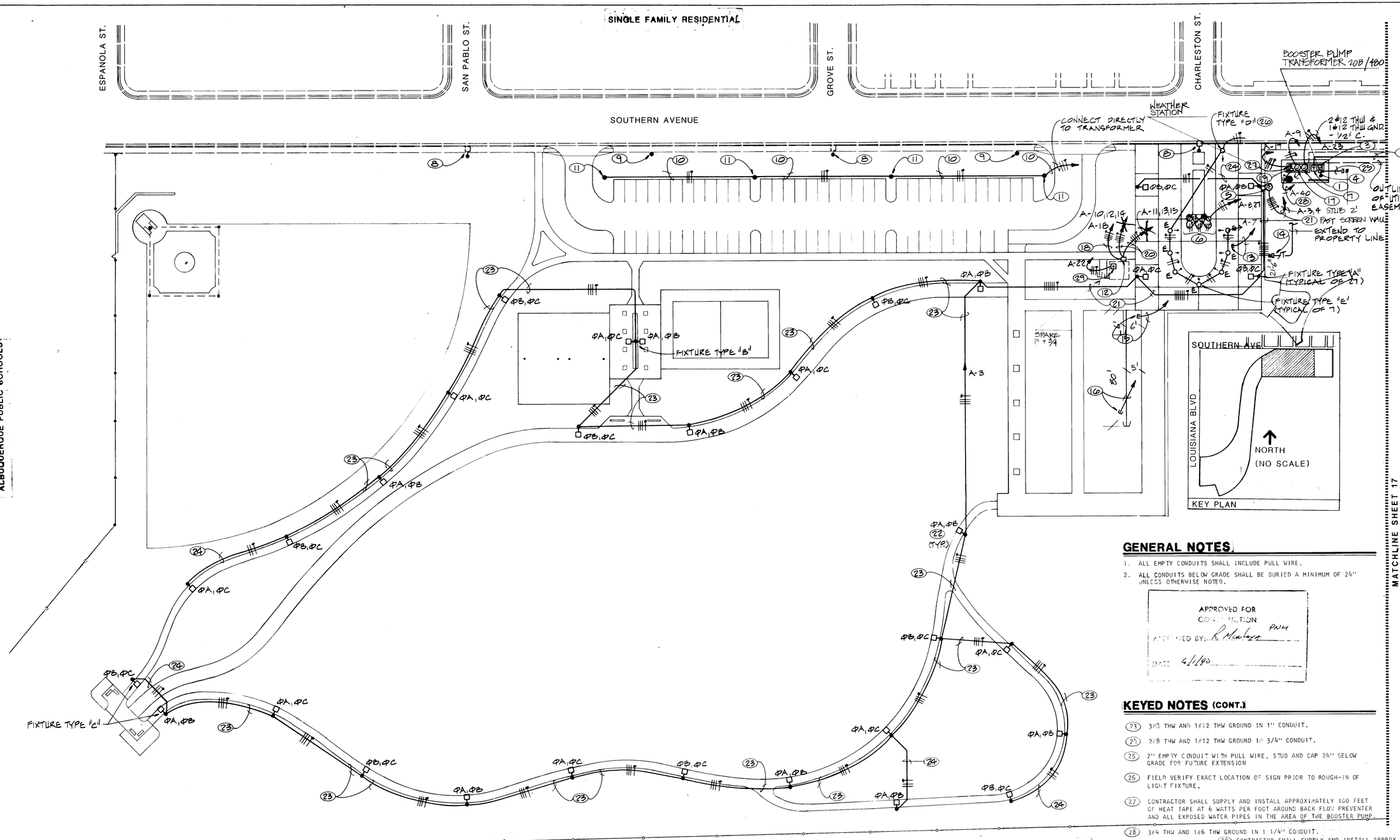
DESIGNED BY
DRAWN BY
CHECKED BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK - PHASES I & II
PLANTING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	5/7/90
Trans. Dev.	N/A				
Utility Dev.	R.W. Kane	9-7-90			
PARKS	D. Selna	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 15 OF 29



GENERAL NOTES

1. ALL EMPTY CONDUITS SHALL INCLUDE PULL WIRE.
2. ALL CONDUITS BELOW GRADE SHALL BE BURIED A MINIMUM OF 24" UNLESS OTHERWISE NOTED.

APPROVED FOR CONSTRUCTION
APPROVED BY: R. Montoya PNM
DATE 6/1/90

KEYED NOTES (CONT.)

(23) 3#3 THW AND 1#12 THW GROUND IN 1" CONDUIT.

(24) 2#8 THW AND 1#12 THW GROUND IN 3/4" CONDUIT.

(25) 2" EMPTY CONDUIT WITH PULL WIRE, STUB AND CAP 24" BELOW GRADE FOR FUTURE EXTENSION

(26) FIELD VERIFY EXACT LOCATION OF SIGN PRIOR TO ROUGH-IN OF LIGHT FIXTURE.

(27) CONTRACTOR SHALL SUPPLY AND INSTALL APPROXIMATELY 100 FEET OF HEAT TAPE AT 6 WATTS PER FOOT AROUND BACK FLOW PREVENTER AND ALL EXPOSED WATER PIPES IN THE AREA OF THE BOOSTER PUMP.

(28) 3#4 THW AND 1#6 THW GROUND IN 1 1/4" CONDUIT.

(29) CONTRACTOR SHALL SUPPLY AND INSTALL APPROX. 100 FEET OF HEAT TAPE AT 6 WATTS/FOOT AROUND BACKFLOW PREVENTER AND ALL EXPOSED WATER PIPES FOR FOUNTAIN.

KEYED NOTES

(1) CONCRETE PAD PER PNM STANDARD DRAWING NUMBER DS-7-16.4.

(2) 4" CONCRETE ENCASED PVC, 42" MINIMUM BURIAL, WITH RGS OR IMC ELBOWS (CENTERED IN UTILITY EASEMENT).

(3) 200 AMP METER (BY PNM), METERING CAN BY CONTRACTOR.

(4) 42 CIRCUIT PANELBOARD WITH A 200A/3P MAIN BREAKER, SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.

(5) PHOTOCELL LOCATED ON TOP OF POLE. MOUNT ON 6" RGS CONDUIT WITH WINDOW FACING NORTH.

(6) HUBBELL #5661 SINGLE RECEPTACLE WITH A HUBBELL #96067 LOCKING COVER AND PLATE. MOUNT FLUSH UP 6" IN WALL.

(7) JUNCTION BOX MOUNTED FLUSH IN SCREEN WALL FOR CONNECTION TO IRRIGATION CONTROLLER.

(8) PNM TO RELOCATE EXISTING POLE/LIGHTS TO NORTH SIDE OF SOUTHERN AVENUE.

(9) PNM TO RELOCATE EXISTING INTERMEDIATE POLE TO NORTH SIDE OF SOUTHERN AVENUE.

(10) 2#10 THW AND 1#12 THW GROUND IN 2" CONDUIT.

(11) CONTRACTOR TO INSTALL POLE BASE PER DETAIL ON SHEET 17. POLE AND LIGHTING FIXTURE PROVIDED AND INSTALLED BY PNM.

(12) FOUNTAIN PUMP CONTROLLER, BY OTHERS.

(13) 3/4" CONDUIT STUBBED AND CAPPED FOR PAVILION LIGHTING. EXTEND TO PANEL "A".

(14) 1" CONDUIT STUBBED AND CAPPED FOR FUTURE CONNECTION TO PAY TELEPHONE STATION.

(15) 3/4" CONDUIT STUBBED AND CAPPED FOR FUTURE TRELLIS LIGHTING. EXTEND TO PANEL "A".

(16) 1" CONDUIT STUBBED AND CAPPED FOR ELECTRICAL CONNECTIONS TO FUTURE RESTROOM. EXTEND TO PANEL "A".

(17) JUNCTION BOX FLUSH MOUNTED IN SCREEN WALL FOR CONNECTION TO WEATHER STATION.

(18) 4#6 THW AND 1#10 THW GROUND IN 1" CONDUIT.

(19) BOOSTER PUMP CONTROLLER & DISCONNECT SWITCH BY OTHERS.

(20) 4#10 THW AND 1#12 THW GROUND IN 3/4" CONDUIT.

(21) 6#8 THW AND 1#12 THW GROUND IN 1 1/4" CONDUIT.

(22) INDICATES WHICH PHASE LIGHTING FIXTURE IS TO BE CONNECTED TO.

26 27461693

1"=40 scale — 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
CONTRACTOR: ACCENT LANDSCAPE
LOCATIONS STAKED BY: DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE 2/93
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES BY: DATE
NO.

ENGINEER'S SEAL

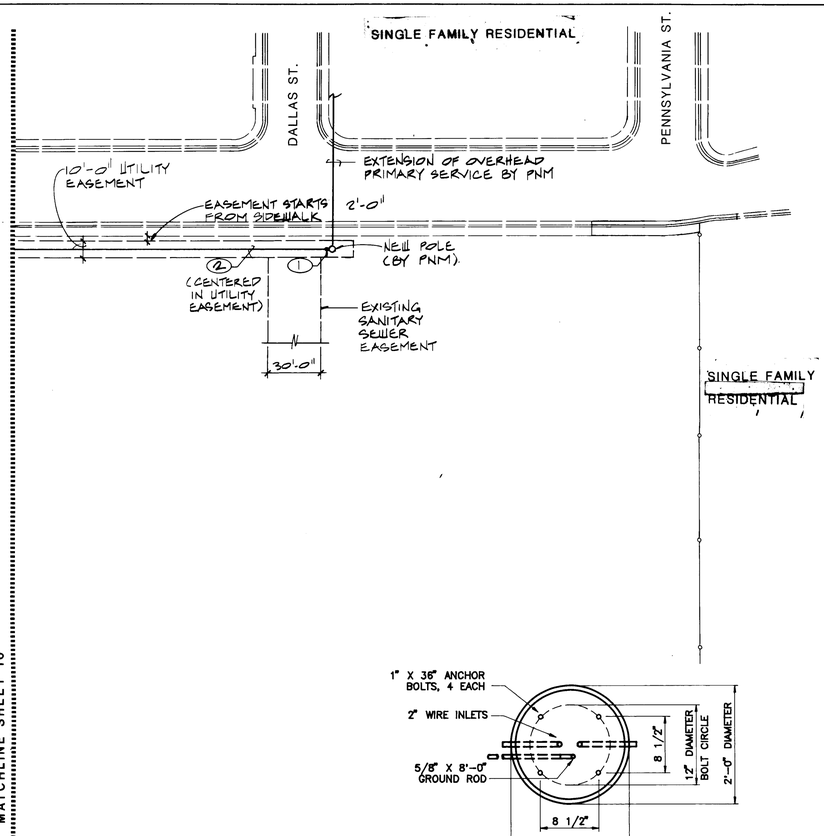
NO.	DATE	REMARKS
		REVISIONS
		DESIGN
		DESIGNED BY TdS — DATE 5-8-90
		DRAWN BY TdS — DATE 5-8-90
		CHECKED BY TdS — DATE 5-8-90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASES I & II
ELECTRICAL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			City Engineer	N/A	9/7/90
Trans. Dev	N/A PNM	6-12-90			
Utility Dev	R.J. Kane	9-17-90			
Parks	T. Selna	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET [redacted] OF [redacted]



PANEL: "A"	VOLTAGE: 120/208	MAINS: 225A	AIC: 10,000
	SKIRTS: N/A	FEED: BOTTOM	MAIN BREAKER: 200A	MOUNTING: SURFACE

DESCRIPTION	BKR	LOAD (VA)	CCT NO	LOAD (VA) #A	LOAD (VA) #B	LOAD (VA) #C	CCT NO	LOAD (VA)	BKR	DESCRIPTION
	20A	917	1	2050			2	1133	20A	
LIGHTING	/	917	3		2050		4	1133	/	LIGHTING
	3P	917	5			2050	6	1133	3P	
LIGHTING	20A/1P	600	7	1000			8	400	20A/1P	RECEPTACLES
WEATHER STATION	20A/1P	500	9		1364		10	864	20A/1P	1/3 HP PUMP
FOUNTAIN (MISC.)	20A/1P	500	11			1364	12	864	20A/1P	1/3 HP PUMP
FOUNTAIN (MISC.)	20A/1P	500	13	2156			14	1656	20A/1P	3/4 HP PUMP
FOUNTAIN (MISC.)	20A/1P	500	15		3273		16	2773	40A 4P	
HEAT TAPE	20A/2P	500	17			3273	18	2773	/	FOUNTAIN PUMPS + CONTROLS
	/	500	19	3273			20	2773	3P	
SPARE	20A/1P	---	21		500		22	---	20A/1P	HEAT TAPE
IRRIGATION CONTROLLER	20A/1P	500	23			1000	24	---		
LIGHTING (CONTROL)	20A/1P	200	25	200			26	---	20A/1P	SPARE
RECEPTACLES	20A/1P	400	27		400		28	---	20A/1P	SPARE
SPARE	20A/1P	---	29			---	30	---	20A/1P	SPARE
BOOSTER	60A		31	---			32			SPACE
PUMP	/		33		---		34			SPACE
TRANS	3P		35			---	36			SPACE
SPACE			37	7128			38	7128	125A	
SPACE			39		7128		40	7128	/	SPARE
SPACE			41			7128	42	7128	3P	
			TOTAL (VA)	15,807	14,715	14,815				

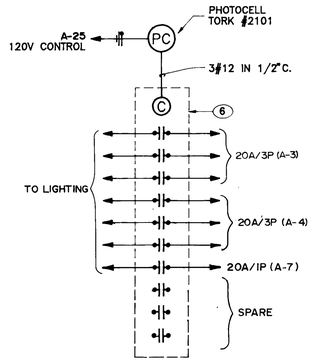
TOTAL CONNECTED (KVA): 45.3 ESTIMATED DEMAND (KVA): 39.5 DOOR-IN-DOOR GROUND BUS

LIGHT FIXTURE SCHEDULE

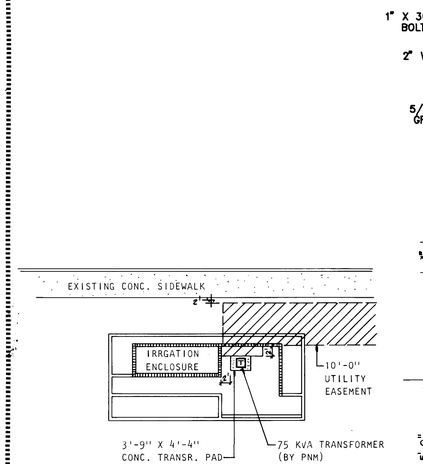
TYPE	DESCRIPTION	LAMPS	MOUNTING
A	GARDCO #EH14112085OHPSBRP - POLY WITH #GSP15D1PP (15' DARK BRONZE POLE)	1/150W/HPS	SEE DETAIL
B	GARDCO #EH14212085OHPSBRP - POLY WITH #GSP15D2PP (15' DARK BRONZE POLE)	2/150W/HPS	SEE DETAIL
C	GARDCO #EH14112087OHPSBRP - POLY WITH #GSP15D1PP (15' DARK BRONZE POLE)	1/70W/HPS	SEE DETAIL
D	ADRA #TLM-647-70E-17HPS-6153-6193	1/70W/HPS	GROUND 2'-6" AWAY FROM SIGN
E	ADRA #TLM-647-75E-17MV	1/75W/MV	GROUND, IN TREE GRATE OPENING.

KEYED NOTES

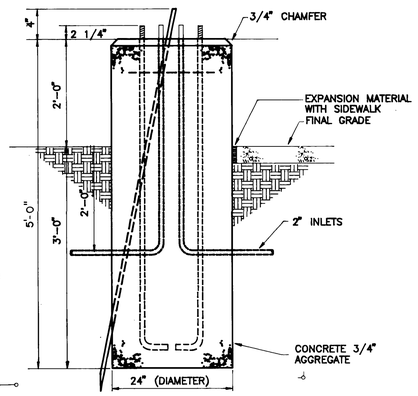
1. 4" IMC CONDUIT RISER UP POLE PER PNM STANDARD DRAWING NO. DS-7-15.0.
2. 4" CONCRETE ENCASED PVC, 42" MINIMUM BURIAL WITH RGS OR IMC ELBOWS.
3. 200 AMP METER (BY PNM), METERING CAN, BY CONTRACTOR.
4. 4-250 MCM TWH AND 1#2 THW GROUND IN 3" CONDUIT.
5. 42 CIRCUIT PANELBOARD WITH A 200A/3P MAIN CIRCUIT BREAKER, SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION. NEMA 3R ENCLOSURE WITH PROVISIONS FOR PAD LOCKING.
6. 10 POLE ELECTRICALLY HELD LIGHTING CONTACTOR IN NEMA 3R LOCKING ENCLOSURE, SQUARE "D" NO. LH-1000.
7. 2" EMPTY CONDUIT WITH PULL WIRE, STUB AND CAP 24" BELOW GRADE FOR FUTURE EXTENSION.
8. ~~STUB-UP AND CAP~~ 2" CONDUIT FOR PARKING LOT LIGHTING, W/PULL WIRE.
9. NEMA 3R 12"x12"x6" J-BOX - PHOTOCELLS ON EACH POLE LIGHT PROVIDED BY PNM



LIGHTING CONTROL DIAGRAM



UTILITY ENCLOSURE PLAN
NO SCALE



PARKING LOT POLE BASE DETAIL
NO SCALE

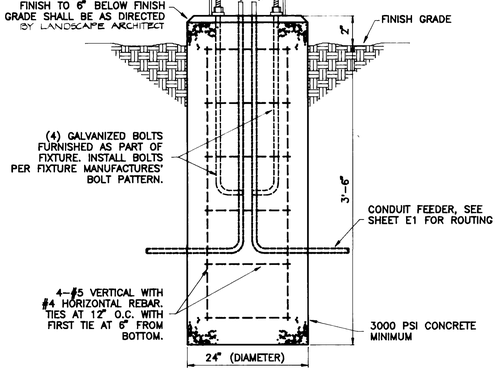
NOTES:

(1) CONCRETE SHALL BE 3,000 PSI STRENGTH MIN. AT 28 DAYS.

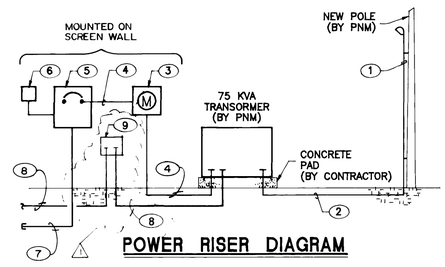
(2) SOIL OUTSIDE OF FOUNDATION DIMENSIONS MUST NOT BE DISTURBED.

(3) USE EXPANSION MATERIAL IN AND AGAINST SIDEWALK INSTALLATION.

(4) ALLOW A MINIMUM 14 DAYS OF CURING TIME BEFORE ERECTING POLE.



FIXTURE TYPES "A,B, & C" MOUNTING DETAIL
NO SCALE



POWER RISER DIAGRAM

R6 2746/793

APPROVED BY: R. Montoya
DATE: 6/1/90

1"=40 scale 40 0 40 80 feet

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY: DATE
INSPECTED BY: DATE
ACCEPTANCE BY: DATE
FIELD REVISION BY DATE 2/93
DRAWINGS CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO NO. 3 REGISTERED LANDSCAPE ARCHITECT BAKER H. MORROW

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
1	1/21/91	ADD CONTACTOR BOX/DELETE NEMA	SCE
		DESIGNED BY TdS	DATE 5-8-90
		DRAWN BY TdS	DATE 5-8-90
		CHECKED BY TdS	DATE 5-8-90

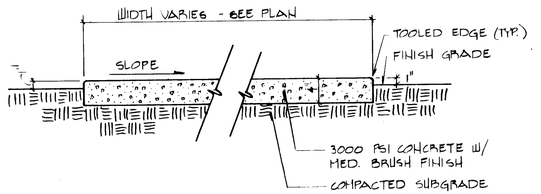
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK - PHASES I & II
ELECTRICAL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Hydrology	N/A	9/7/90
Trans. Dev.	N/A				
Utility Dev.	R.W. Kane	9-17-90			
Parks	D. Selna	9-5-90			

DRAWING NO. 2746 MAP NO. L-19 SHEET 17 OF 20

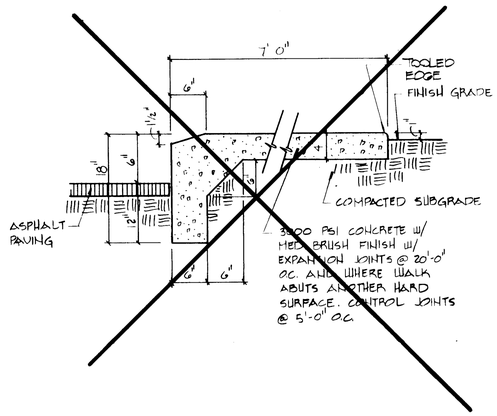
133495



NOTE: EXPANSION JOINTS @ 20' O.C. UNLESS OTHERWISE NOTED ON PLAN AND WHERE WALK ABUTS ANOTHER HARD SURFACE. CONTROL JOINTS @ 5' O.C. UNLESS OTHERWISE NOTED ON PLAN.

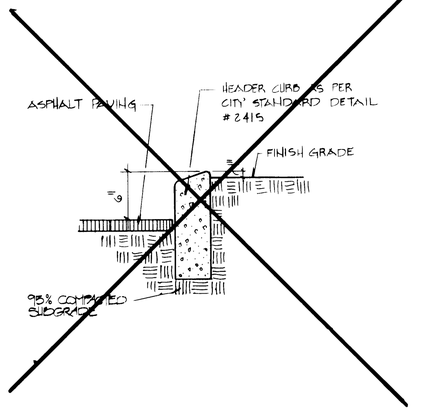
A/18 CONCRETE WALK/PAVING SECTION

1" = 1'-0"



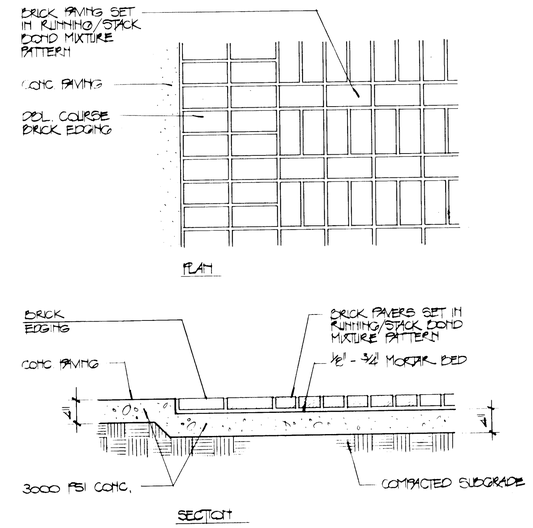
B/18 CONC. WALK W/INTEGRAL HEADER CURB

1" = 1'-0"



C/18 HEADER CURB SECTION

1" = 1'-0"



D/18 BRICK PAVING DETAIL

1" = 1'-0"

E/18 BRICK EDGING @ EXPANSION JOINT

1" = 1'-0"

F/18 BRICK EDGING @ EDGE OF CONCRETE SECTION

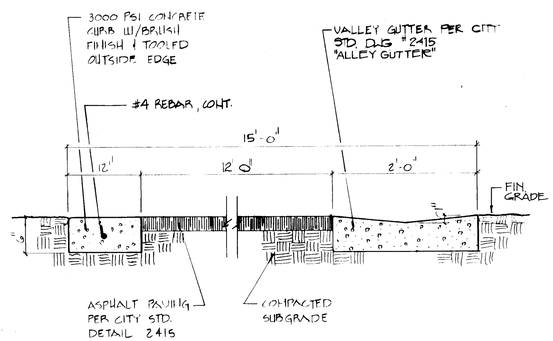
1" = 1'-0"

G/18 PEDESTRIAN TRAIL SECTION

1" = 1'-0"

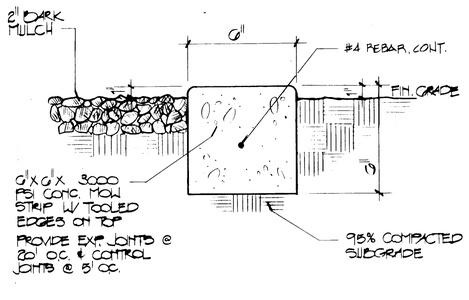
H/18 BICYCLE TRAIL SECTION - WITH CURB

1" = 1'-0"



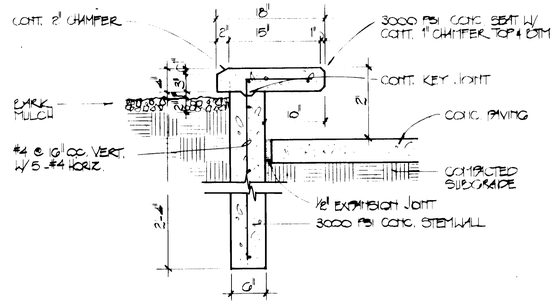
I/18 BICYCLE TRAIL W/ VALLEY GUTTER

1" = 1'-0"



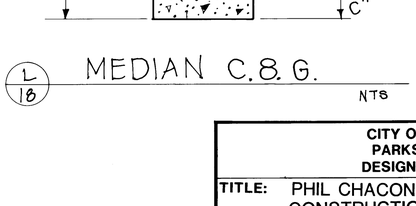
J/18 MOW STRIP SECTION

3" = 1'-0"



K/18 RAISED PLANTER DETAIL

1" = 1'-0"



L/18 MEDIAN C.B.G.

NTS

26, 2746, 1893

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARK

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY — DATE:
INSPECTORS APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY SL DATE: 2/93

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

REVISIONS / REMARKS

NO.	DATE	BY

DESIGNED BY: BHM DATE: 5/90
DRAWN BY: PHM DATE: 5/90
CHECKED BY: EGR DATE: 5/90

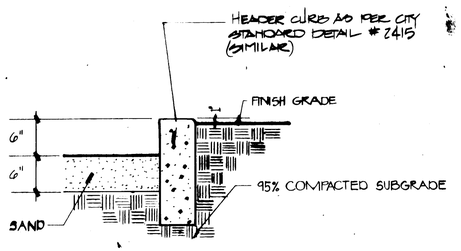
CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: PHIL CHACON PARK PHASES I &II
CONSTRUCTION DETAILS

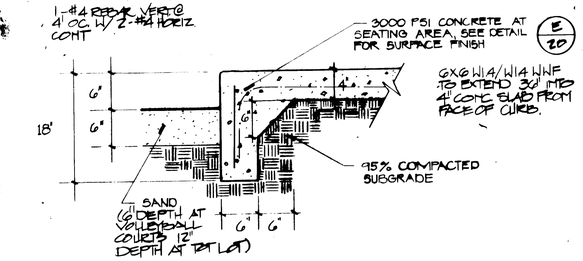
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-17-90
TRANSPORTATION	[illegible]	6-12-90	WASTE WATER	R.W. Kane	9-17-90
HYDROLOGY	N/A	9/1/90			
PARKS	D. SILVA	9-05-90			

PROJECT NO. 2746 | MAP NO. L-19 | SHEET 18 OF 29

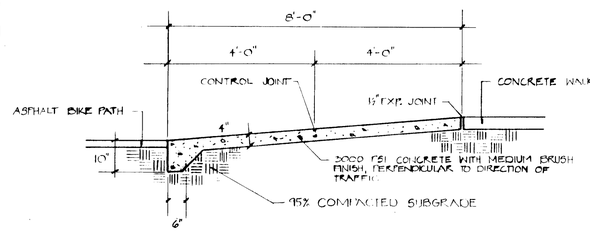
133495



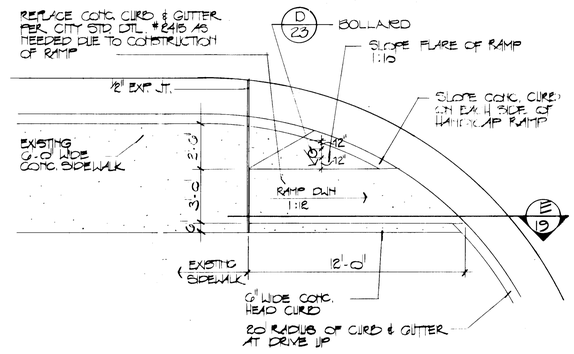
A/19 HEADER CURB AT VOLLEYBALL COURT 1"=1'-0"



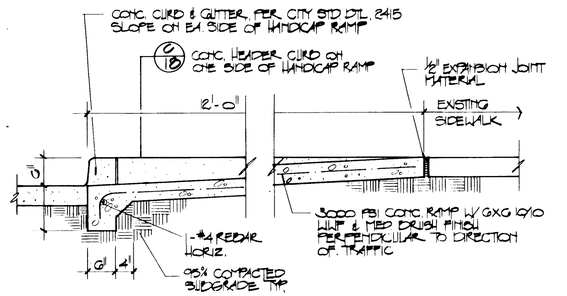
B/19 INTEGRAL HEADER AT SEATING AREA / VOLLEYBALL COURT & TOT LOT 1"=1'-0"



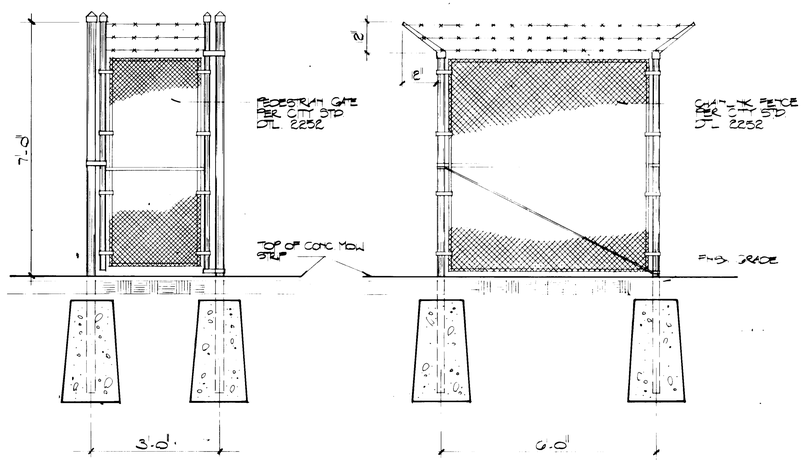
C/19 BIKE RAMP SECTION 1/2"=1'-0"

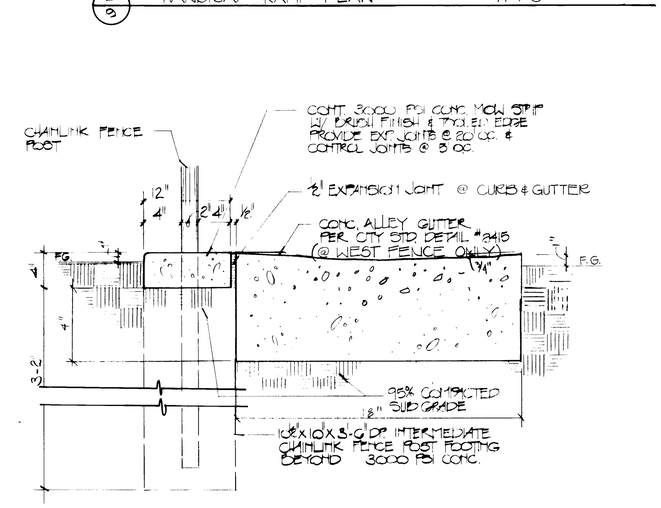


D/9 HANDICAP RAMP PLAN 1/4"=1'-0"

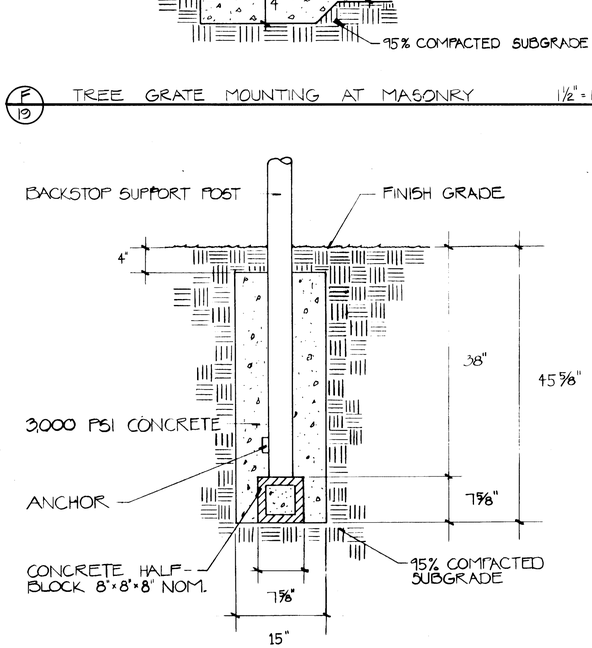


E/19 HANDICAP RAMP SECTION 3/4"=1'-0"

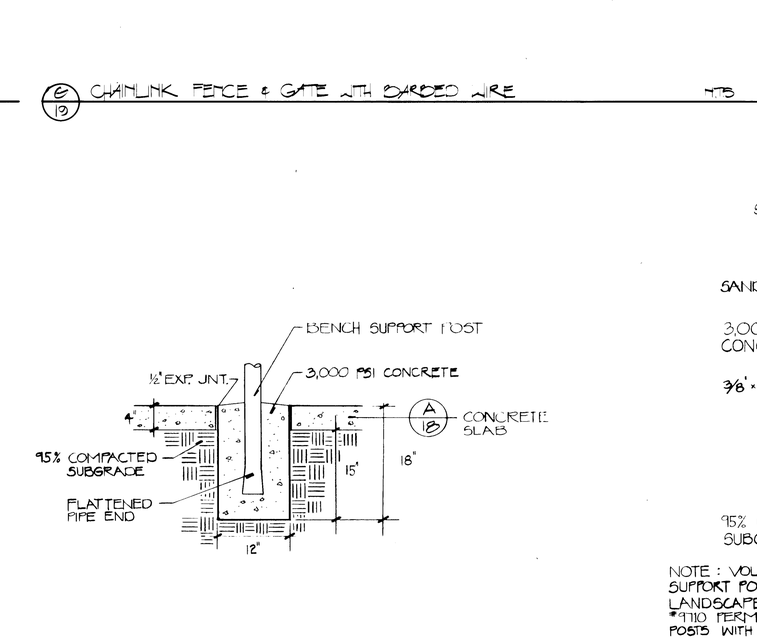




HA/19 CONCRETE APRON / FENCE POST FTG. N.T.S.



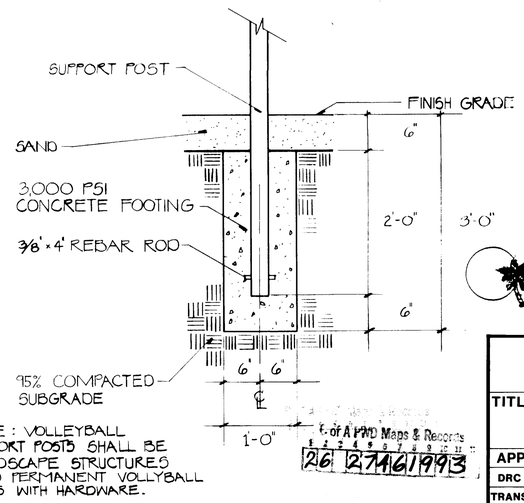
F/19 TREE GRATE MOUNTING AT MASONRY 1 1/2"=1'-0"



G/19 CHAINLINK FENCE & GATE WITH BARBED WIRE NTS

J/19 BACKSTOP FOOTING DETAIL 1"=1'-0"

K/19 PLAYER BENCH FOOTING DETAIL 1"=1'-0"



NOTE: VOLLEYBALL SUPPORT POSTS SHALL BE LANDSCAPE STRUCTURES #9710 PERMANENT VOLLYBALL POSTS WITH HARDWARE.

L/19 CONC. FOOTING FOR VOLLEYBALL SUPPORT POST 1"=1'-0"

NO.	DATE	REVISIONS / REMARKS	BY
		DESIGNED BY: BMM	DATE: 5/90
		DRAWN BY: PLK/PHH	DATE: 5/90
		CHECKED BY: ECR	DATE: 5/90

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARK

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY DATE:
INSPECTORS APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY DATE: 2/93

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

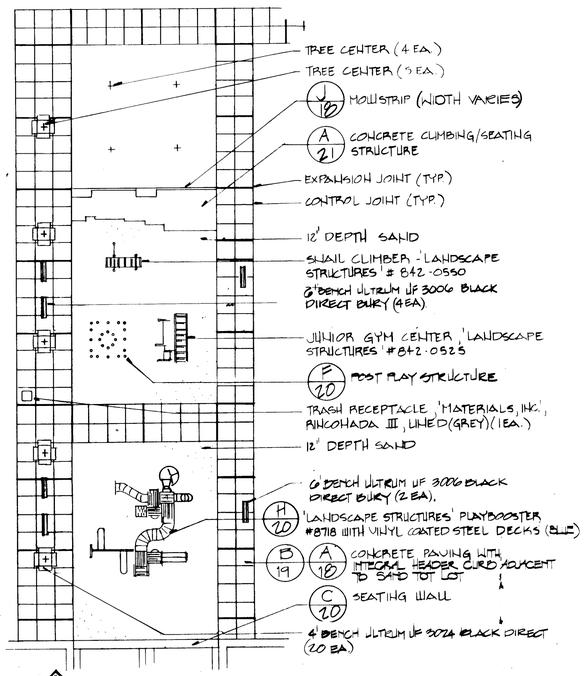
TITLE: PHIL CHACON PARK PHASES I & II
CONSTRUCTION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-17-90
TRANSPORTATION	[illegible]	9-17-90	WASTE WATER	R.W. Kane	9-17-90
HYDROLOGY	N/A	9/17/90			
Parks	D. Serna	9-15-90			

PROJECT NO. 2746 MAP NO. L-19 SHEET 19 OF 29

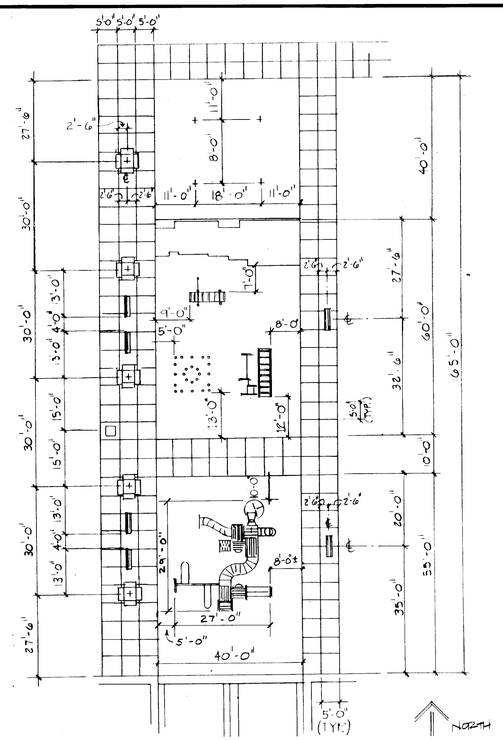
Approved for Addition to A.M.A.F.C.A. Maps & Records
26 2746 1993

133495

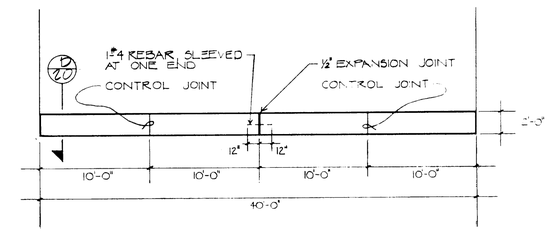


NOTE: PLAY STRUCTURES SHALL BE ASSEMBLED BY CONTRACTOR AND INSTALLED IN 3000 PSI CONCRETE FOOTINGS PER MANUFACTURER'S DIRECTIONS.

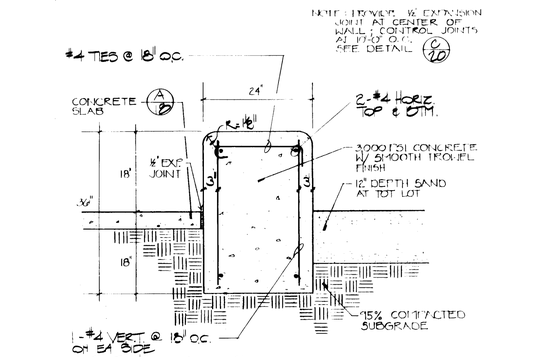
A/20 TOT LOT CONSTRUCTION PLAN — 1" = 20'-0"



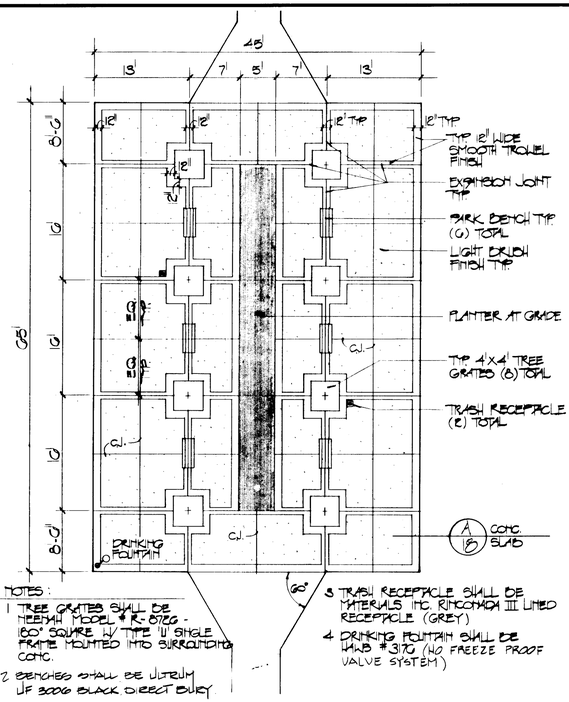
B/20 TOT LOT DIMENSION PLAN — 1" = 20'-0"



C/20 SEATING WALL PLAN — N.T.S.

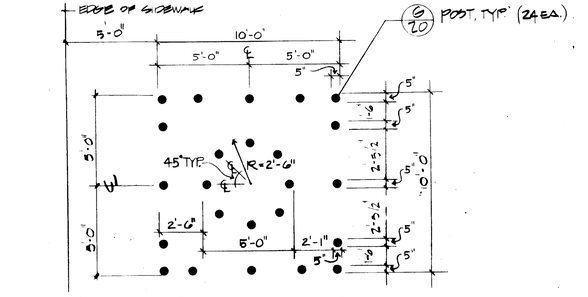


D/20 SEATING WALL SECTION — 3/4" = 1'-0"

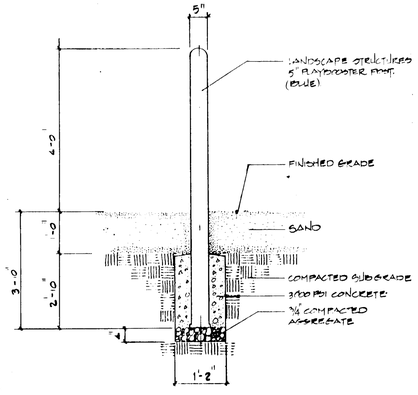


NOTES:
1. TREE GRATES SHALL BE NEENAH MODEL # R-8126 - 180° SQUARE W/ TYPE 'I' SINGLE FRAME MOUNTED INTO SURROUNDING CONC.
2. BENCHES SHALL BE ULTRUM UF 3006 BLACK DIRECT BURY
3. TRASH RECEPTACLE SHALL BE 'MATERIALS INC. RINCONADA III LINED RECEPTACLE. (GREY)
4. DRINKING FOUNTAIN SHALL BE HALO #370 (NO FREEZE PROOF VALVE SYSTEM)

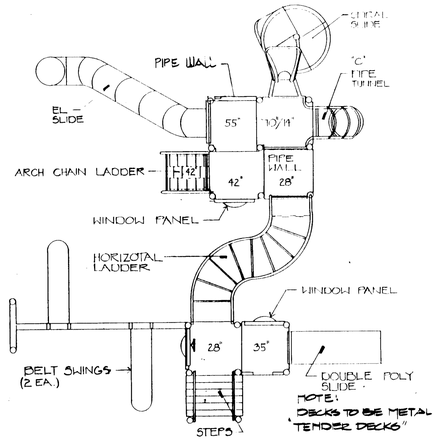
E/20 SEATING AREA PLAN — 1" = 0'-0"



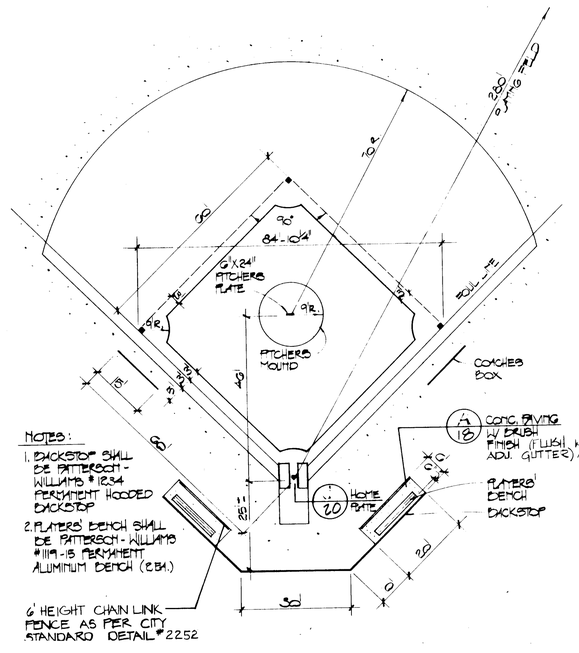
F/20 POLE PLAY STRUCTURE DETAIL — 1/4" = 1'-0"



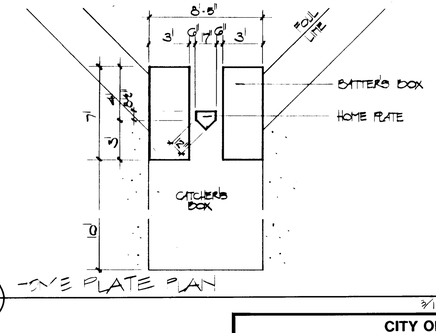
G/20 POST DETAIL — NTS



H/20 PLAYBOOSTER LAYOUT PLAN — NTS



I/20 SOFTBALL DIAMOND PLAN — 1" = 20'-0"



J/20 HOME PLATE PLAN — 3/16" = 1'-0"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARK

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY — DATE:
INSPECTORS APPROVAL — DATE:
FIELD VERIFICATION BY — DATE:
DRAWING CORRECTED BY — DATE: 2/93
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REVISIONS / REMARKS	BY

DESIGNED BY: BHM — DATE: 5/90
DRAWN BY: PHM/PLH — DATE: 5/90
CHECKED BY: EGR — DATE: 5/90

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: PHIL CHACON PARK PHASES I & II
CONSTRUCTION DETAILS,

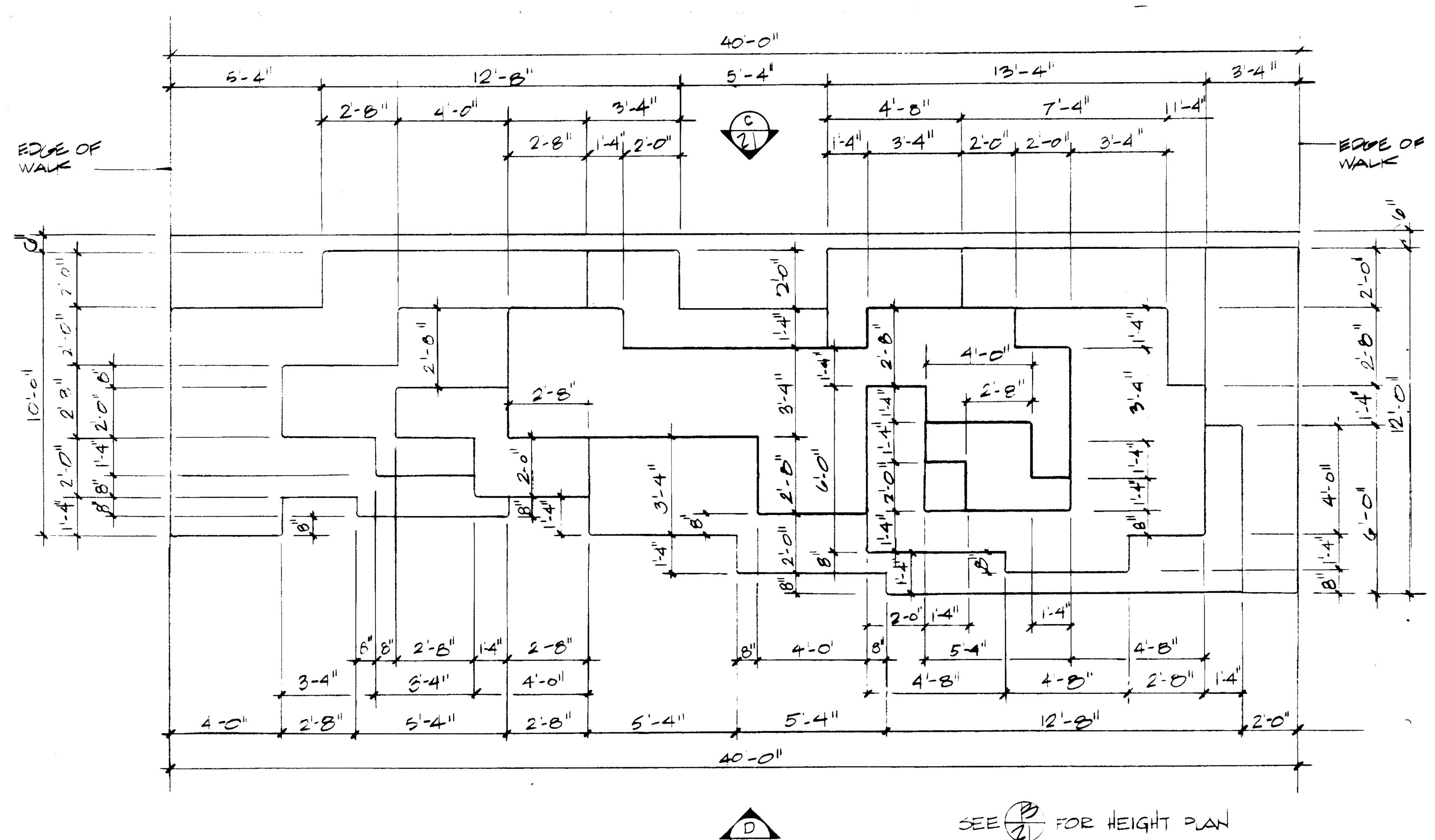
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-17-90
TRANSPORTATION	[illegible]	[illegible]	WASTE WATER	R.W. Kane	9-17-90
HYDROLOGY	[illegible]	9/7/90			
Parks	D. Selna	9-5-90			

PROJECT NO. 2746 — MAP NO. L-19 — SHEET 20 OF 29

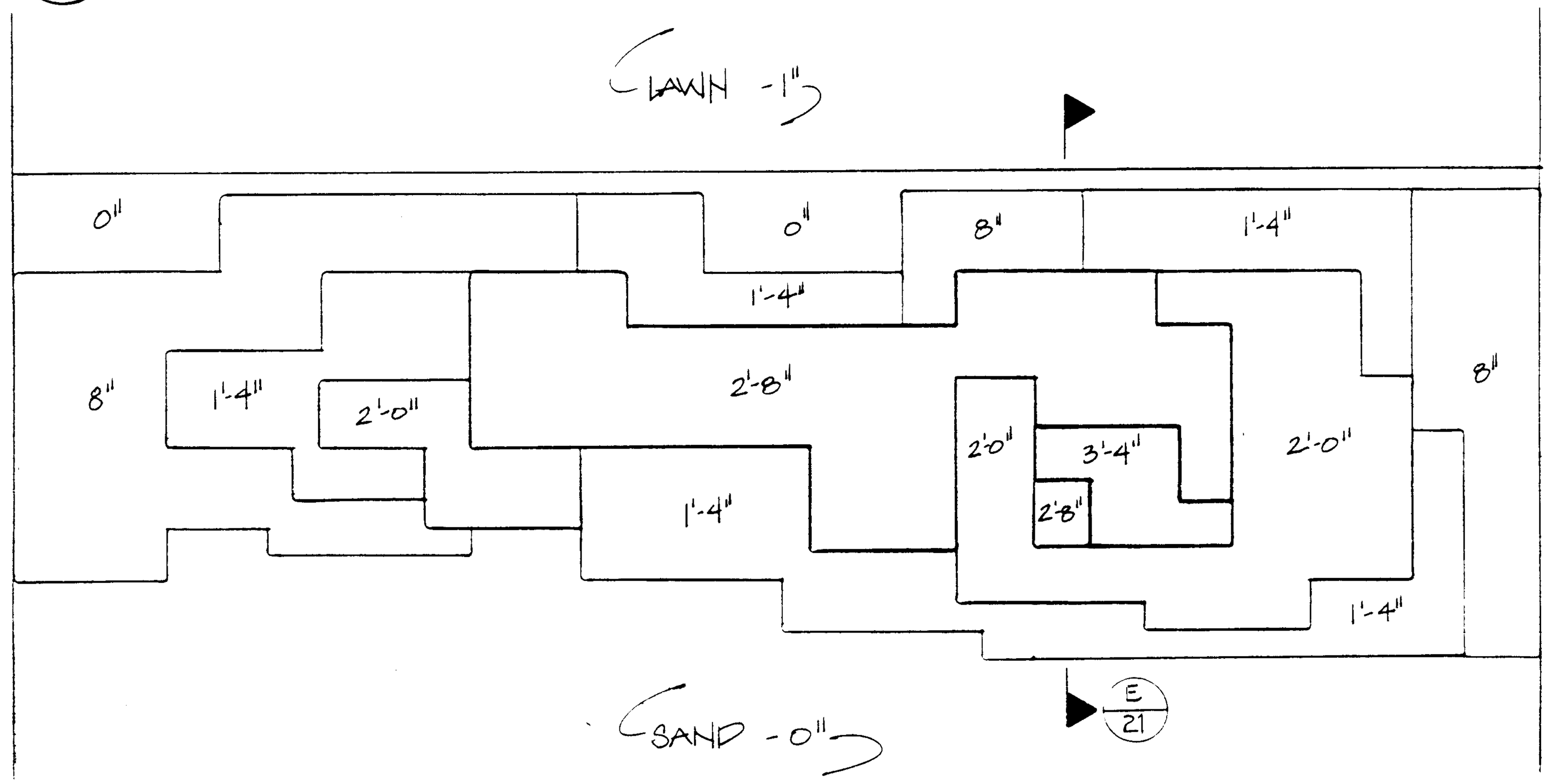
2-6 274620913

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

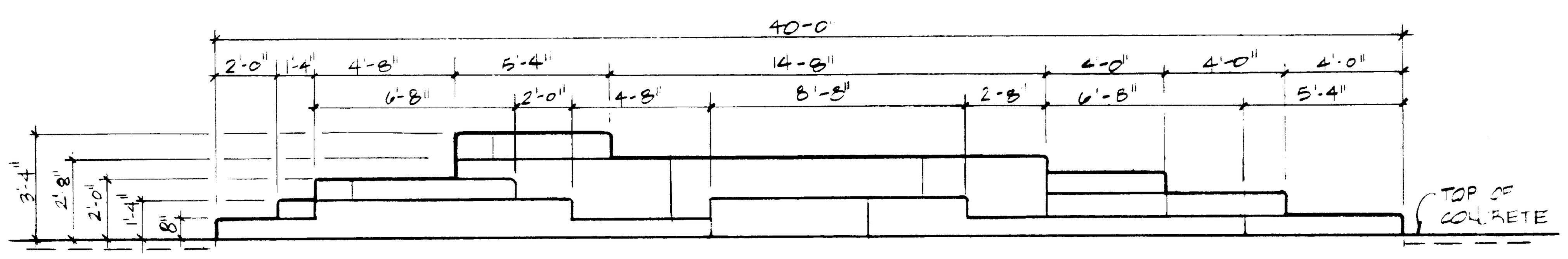
133495



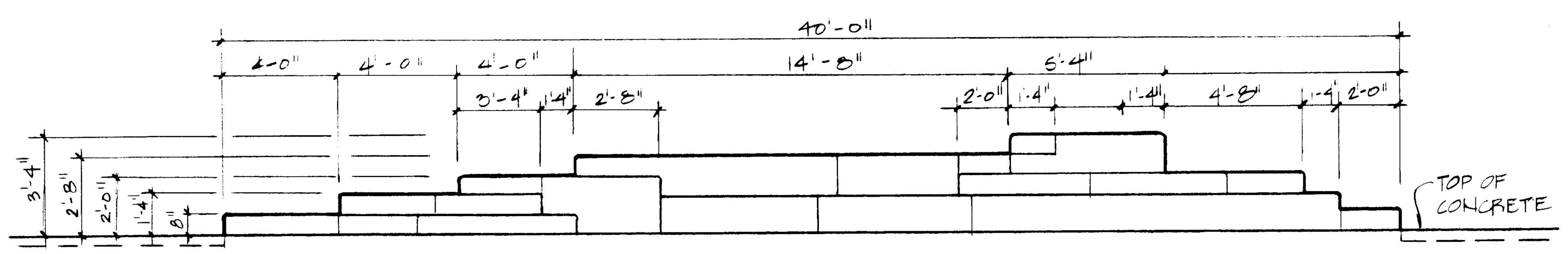
A/21 CLIMBING/SEATING STRUCTURE - DIMENSION PLAN
SCALE: 1/4" = 1'-0"



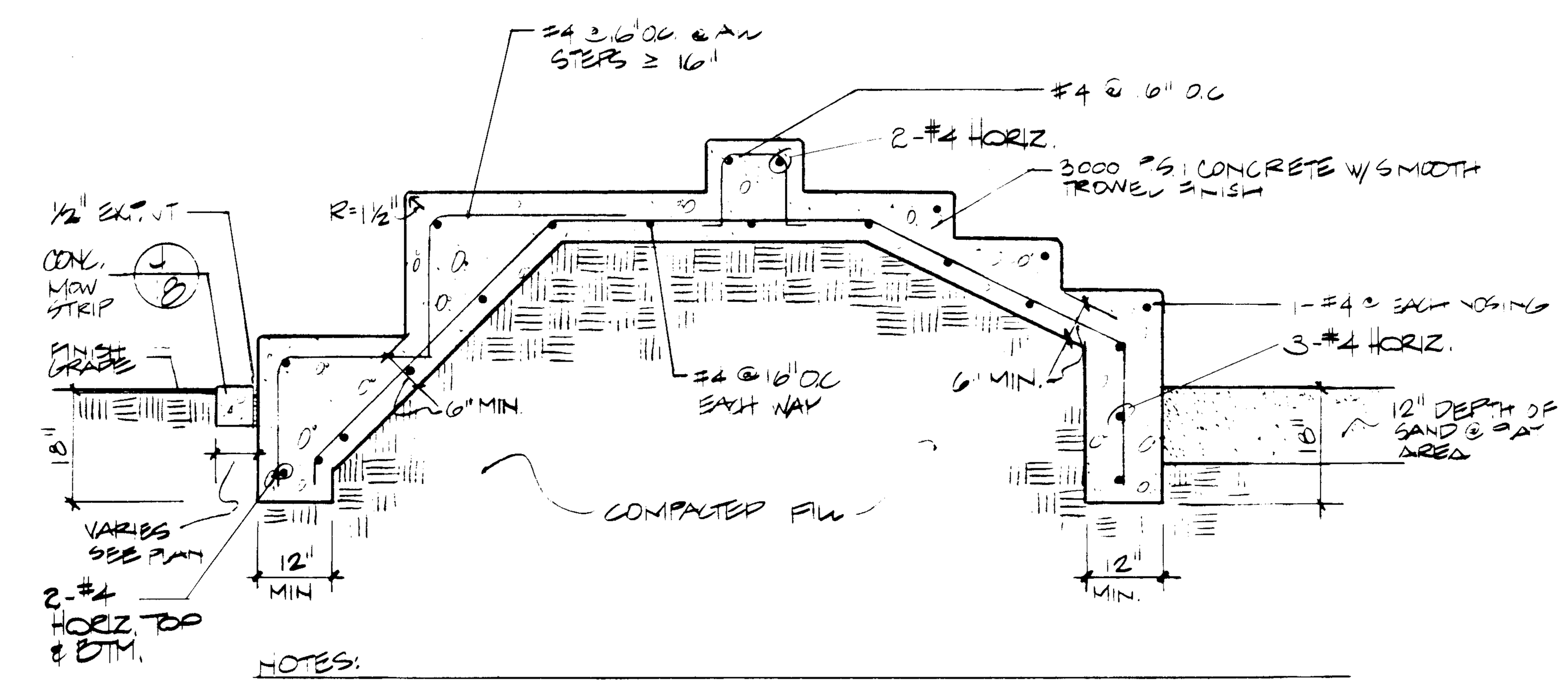
B/21 CLIMBING/SEATING STRUCTURE - PLAN WITH LEVEL HEIGHTS
SCALE: 1/4" = 1'-0"



C/21 CLIMBING/SEATING STRUCTURE - NORTH ELEVATION
SCALE: 1/4" = 1'-0"



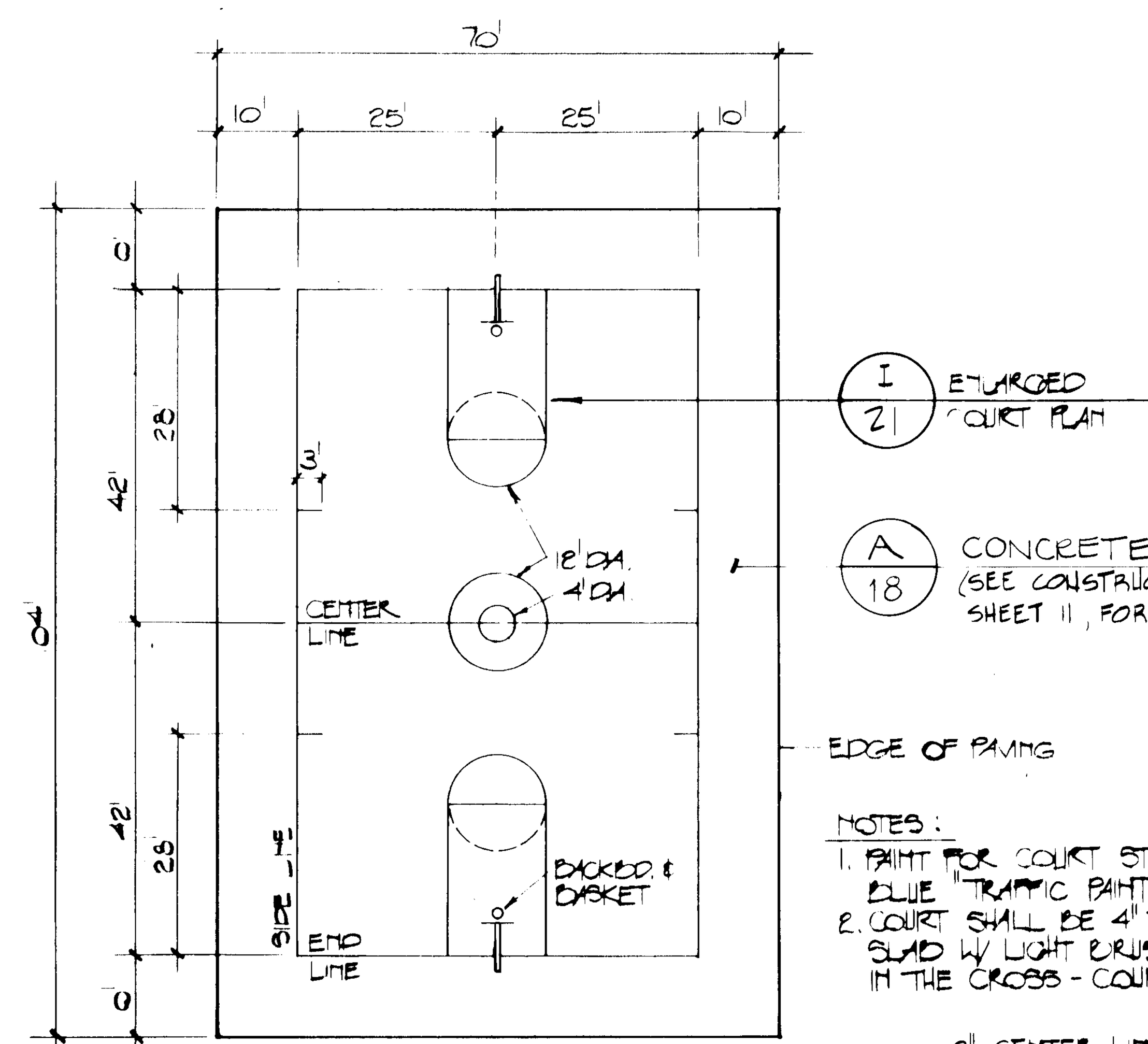
D/21 CLIMBING/SEATING STRUCTURE · SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



NOTES:

1. HORIZONTAL COLD JOINTS WILL NOT BE ALLOWED ON ANY VERTICAL SURFACE.
2. FILL SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-557. ALTERNATIVE MATERIALS TO BE USED IN REDUCING THE VOID VOLUME SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

E/21 CLIMBING, SEATING STRUCTURE - TYPICAL SECTION
SCALE: 1/2" = 1'-0"

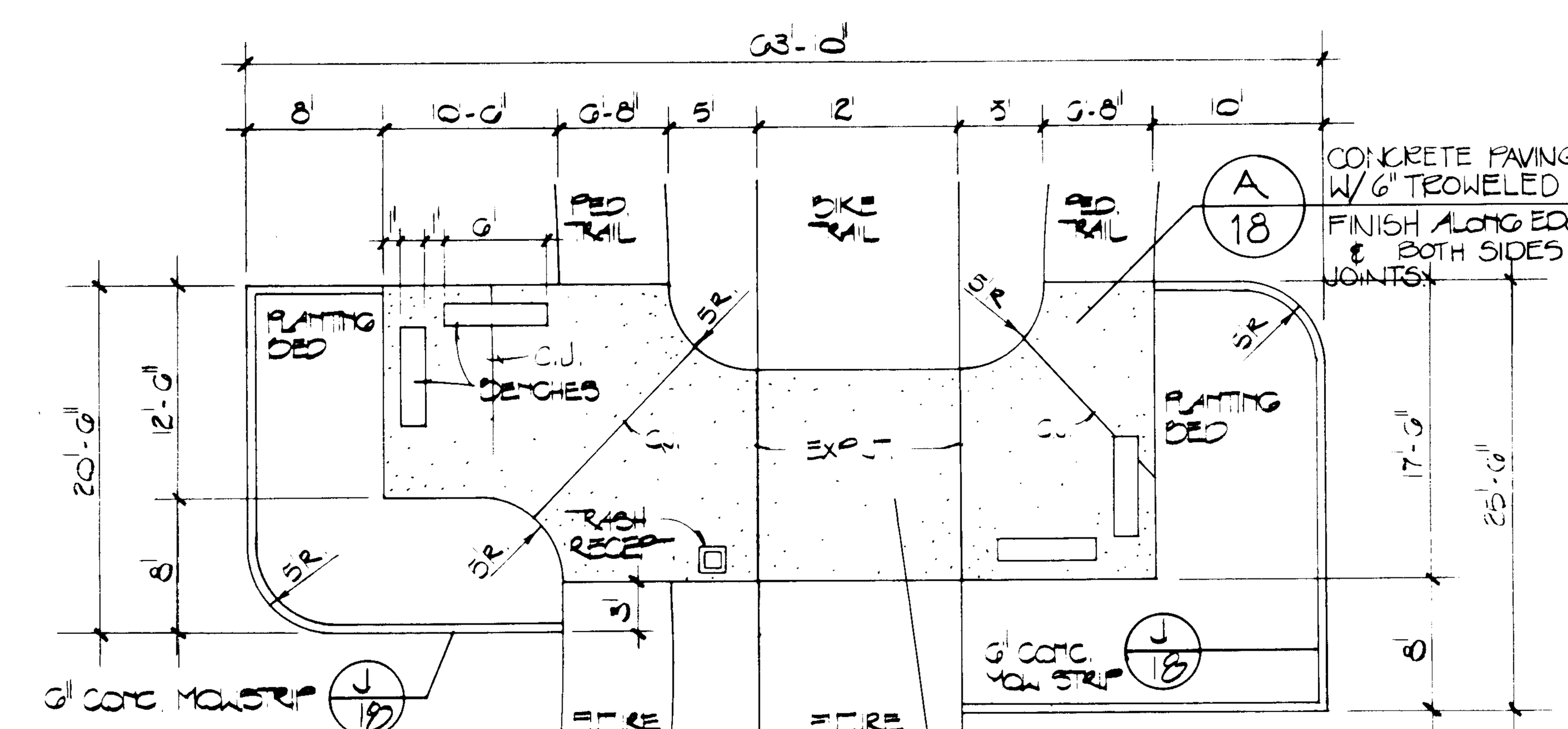


NOTES:

1. PAINT FOR COURT STRIPING SHALL BE BLUE "TRAFFIC PAINT"
2. COURT SHALL BE 4" THK, 3000 PSI CONC. SLAB W/ LIGHT BRUSH FINISH APPLIED IN THE CROSS-COURT DIRECTION

2" CENTER LINES
2" SIDE & END LINES

F/21 BASKETBALL COURT PLAN
SCALE: 1" = 20'-0"

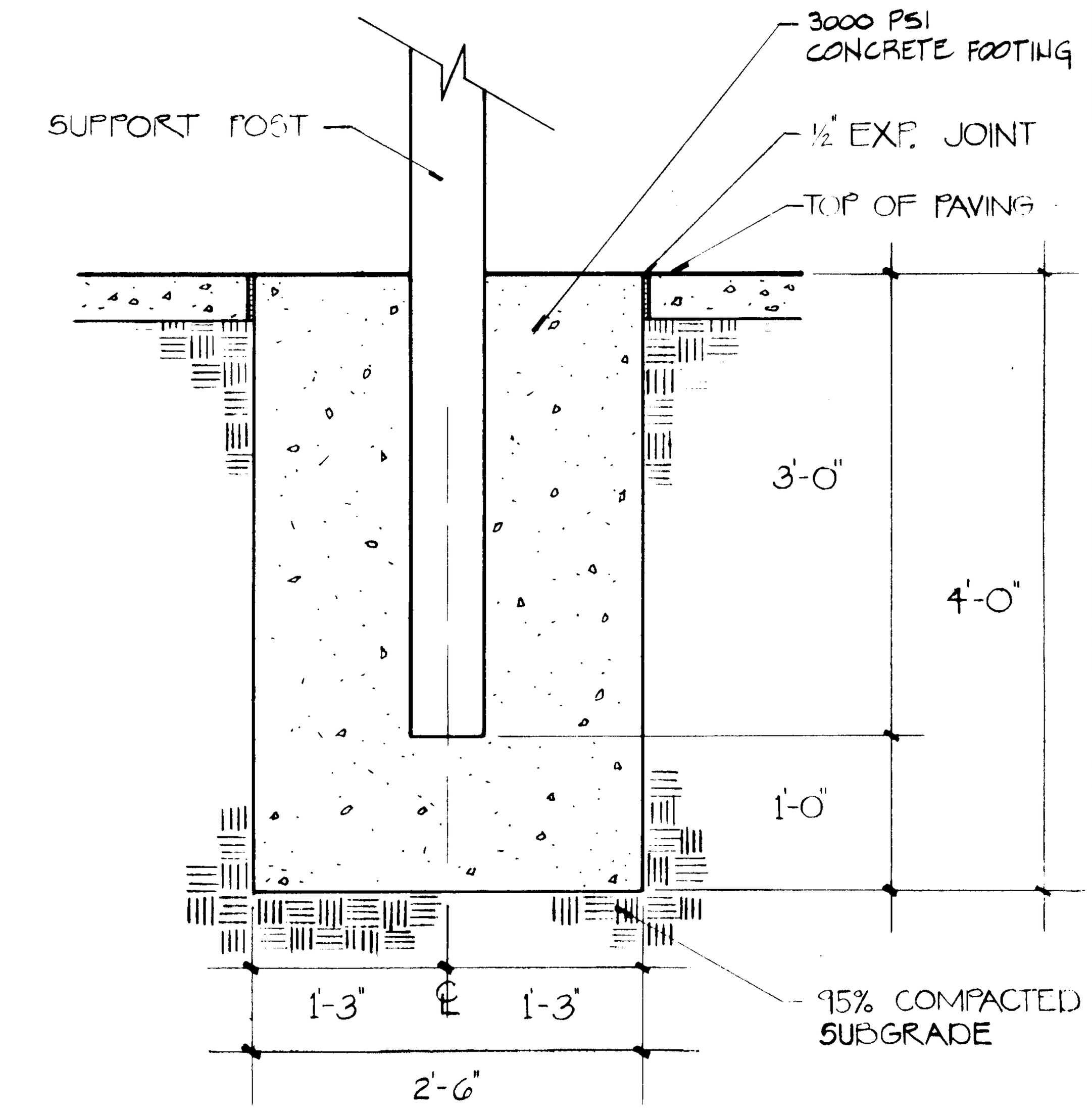


A/18 CONCRETE PAVING WITH 6" TROWELED FINISH AT EDGES AND AT BOTH SIDES OF JOINTS

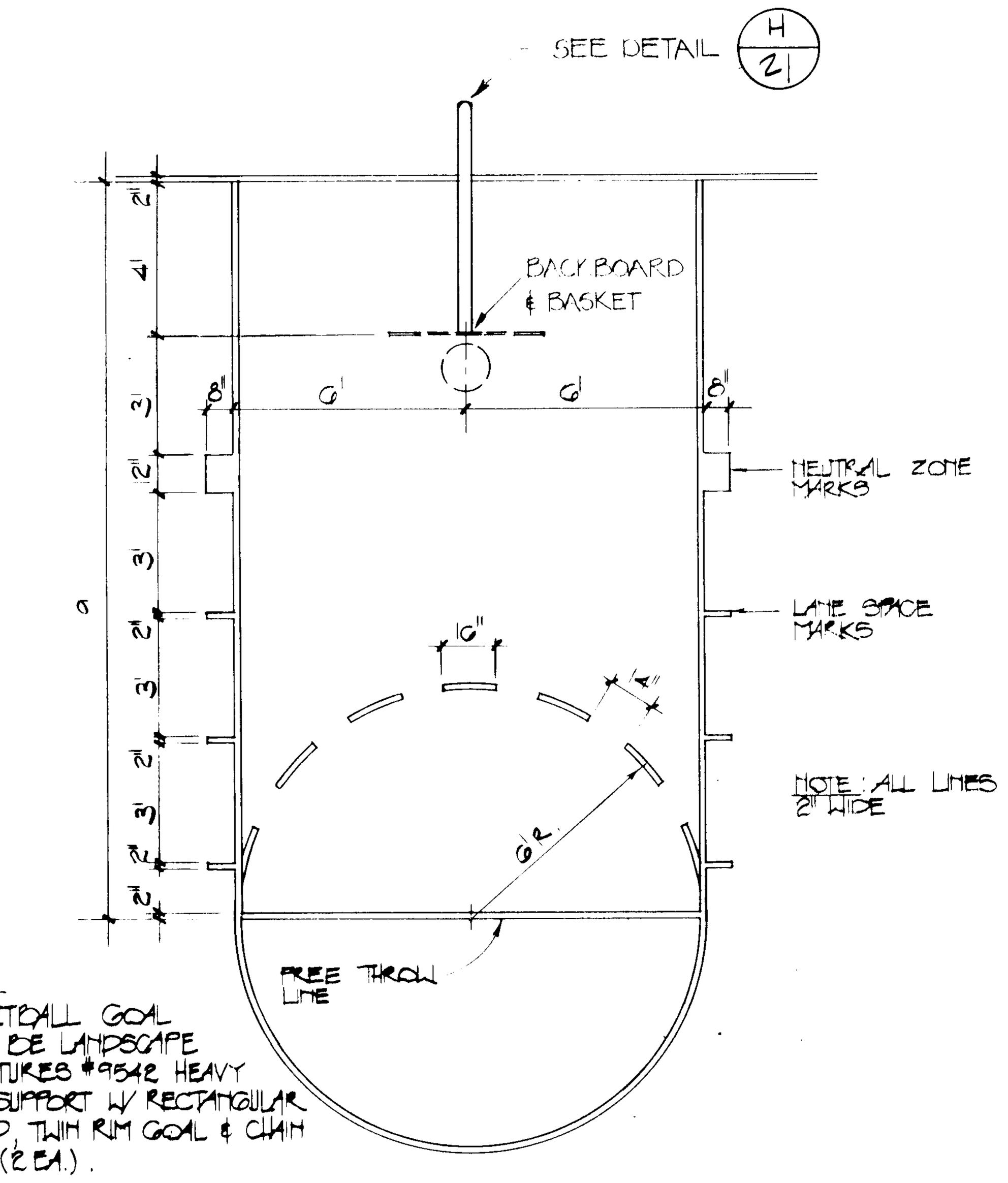
NOTES

1. BENCHES SHALL BE ULTRUM UF-3006 BLACK, DIRECT BURY.
2. TRASH RECEPTACLE SHALL BE MATERIALS INC. RICOCHA II LINED RECEPTACLE (GREY)

G/21 TURN AROUND
SCALE 1" = 1'-0"



H/21 CONCRETE FOOTING FOR BASKETBALL BACKBOARD SUPPORT POST
SCALE: 1" = 1'-0"



NOTE:

1. BASKETBALL GOAL SHALL BE LANDSCAPE STRUCTURES #9542 HEAVY DUTY SUPPORT W/ RECTANGULAR BOARD, TWIN RIM GOAL & CHAIN NET (2 EA.).

I/21 ENLARGED BASKETBALL COURT PLAN
SCALE: 1/4" = 1'-0"

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY DATE:
INSPECTORS APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY SL DATE: 2/93

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARK

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO — BARRY H. MORROW — NO. 2 — REGISTERED LANDSCAPE ARCHITECT — 6/11/90

NO.	DATE	REVISIONS / REMARKS	BY

DESIGNED BY: BHM / JCT DATE: 5/90
DRAWN BY: JCT / PMM DATE: 5/90
CHECKED BY: ECR DATE: 5/90

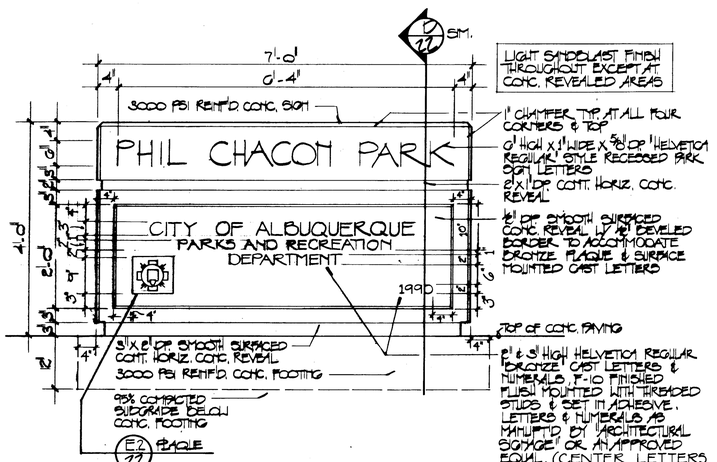
CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: PHIL CHACON PARK PHASES I & II
CONSTRUCTION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-17-90
TRANSPORTATION	N/A		WASTE WATER	R.W. Kane	9-17-90
HYDROLOGY	N/A	9/7/90			
Parks	D. Serna	9-5-90			

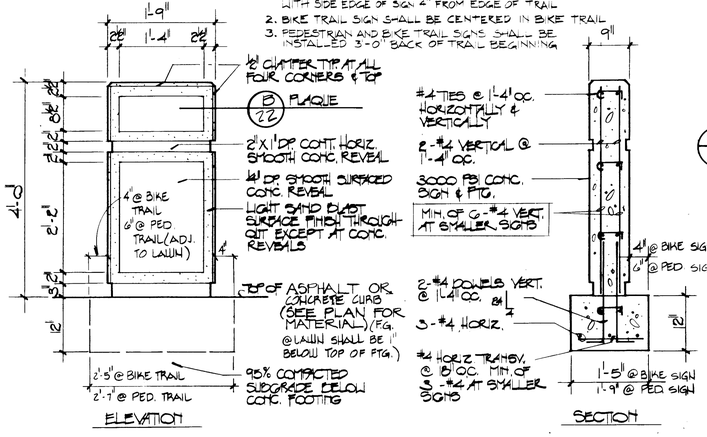
PROJECT NO. 2746 | MAP NO. L-19 | SHEET 21 OF 29

26 27462193

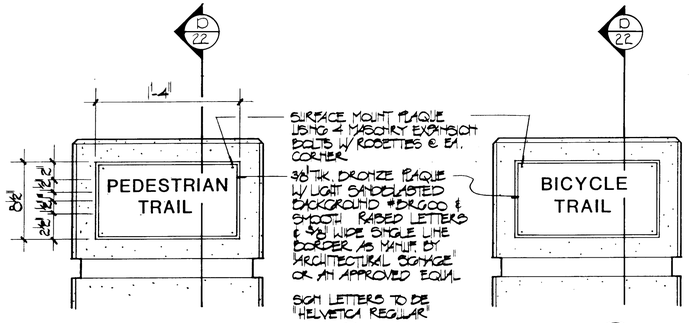


A/22 PARK IDENTIFICATION SIGN ELEV. 3/4"=1'-0"

NOTES: 1. PEDESTRIAN SIGN SHALL BE INSTALLED ADJACENT TO PEDESTRIAN TRAIL WITH SIDE EDGE OF SIGN 4" FROM EDGE OF TRAIL
2. BIKE TRAIL SIGN SHALL BE CENTERED IN BIKE TRAIL
3. PEDESTRIAN AND BIKE TRAIL SIGNS SHALL BE INSTALLED 3'-0" BACK OF TRAIL BEGINNING

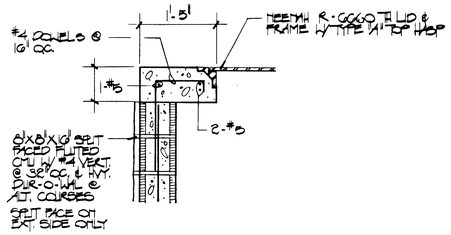


D/22 PEDESTRIAN / BICYCLE TRAIL SIGN ELEVATION & SECTION NTS

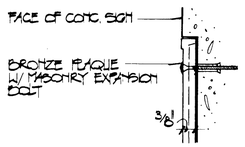


SEE E1/22 FOR PLAQUE MOUNTING. SEE D/22 FOR ELEVATION

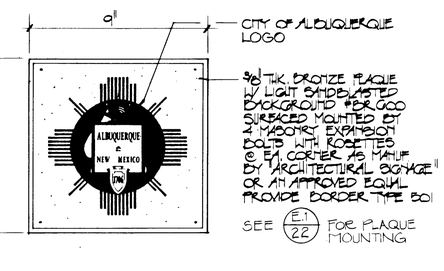
B/22 PEDESTRIAN / BICYCLE TRAIL PLAQUE ELEV. 3/4"=1'-0"



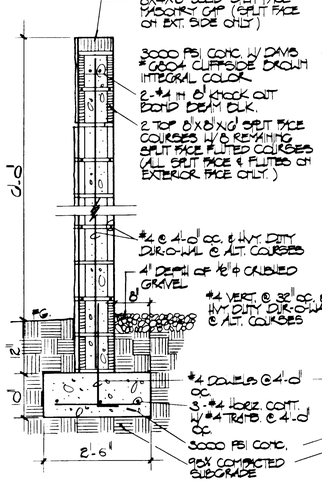
C/22 IRRIGATION ENCLOSURE SECTION 3/4"=1'-0"



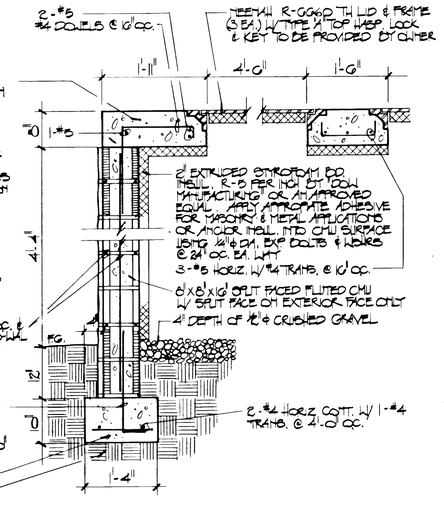
E1/22 TYP. PLAQUE MOUNTING SECTION



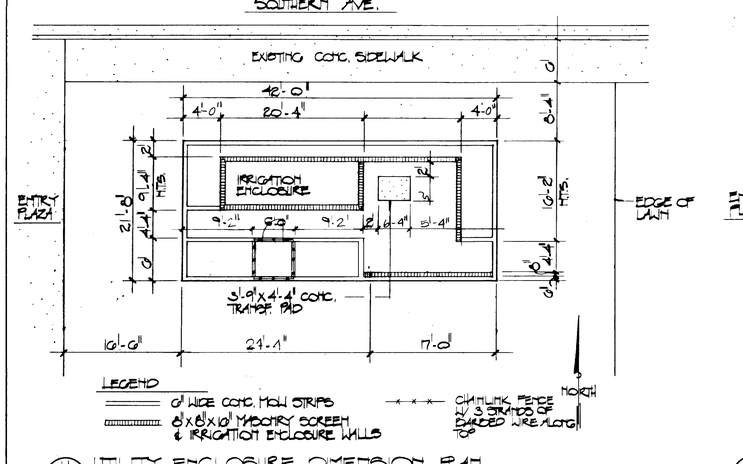
E2/22 CITY OF ALBUQUERQUE LOGO PLAQUE NTS



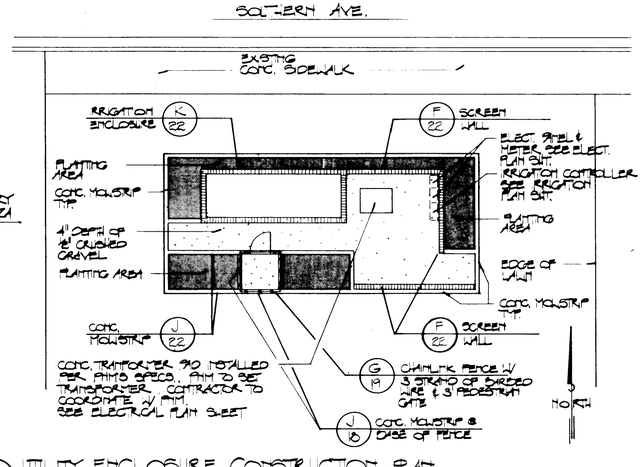
F/22 SCREEN WALL SECTION 3/4"=1'-0"



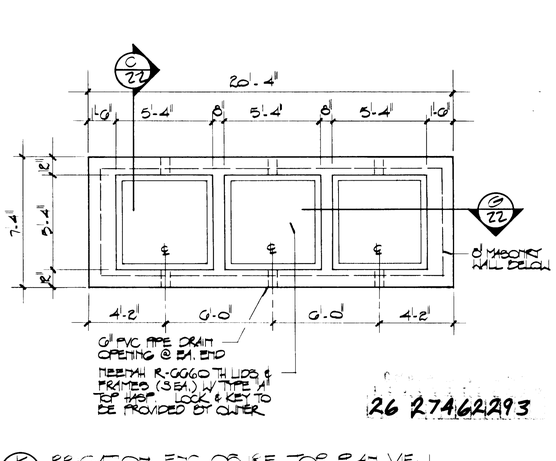
G/22 SCREEN WALL SECTION 3/4"=1'-0"



H/22 UTILITY ENCLOSURE DIMENSION PLAN NTS



J/22 UTILITY ENCLOSURE CONSTRUCTION PLAN NTS



K/22 IRRIGATION ENCLOSURE TOP PLAN VIEW 1/4"=1'-0"

AS BUILT INFORMATION
CONTRACTOR: ALLEN LANDSCAPE
WORK STARTED BY: DATE
WORK COMPLETED BY: DATE
ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
AS-BUILT DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JESSE H. MORROW NO. 2 REGISTERED PROFESSIONAL ENGINEER NEW MEXICO

NO.	DATE	REVISIONS	BY
		DESIGN	
		DESIGNED BY	BHH/PHH
		DRAWN BY	PHH
		CHECKED BY	EGR

DESIGNED BY BHH/PHH DATE 5/90
DRAWN BY PHH DATE 5/90
CHECKED BY EGR DATE 5/90

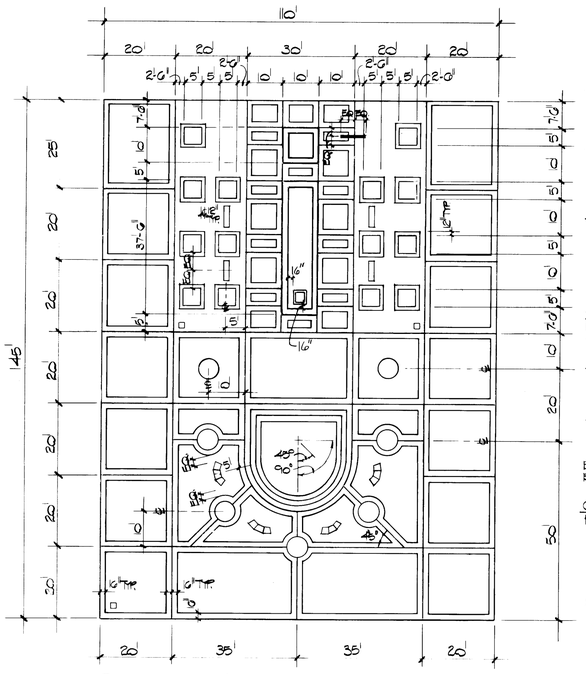
MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

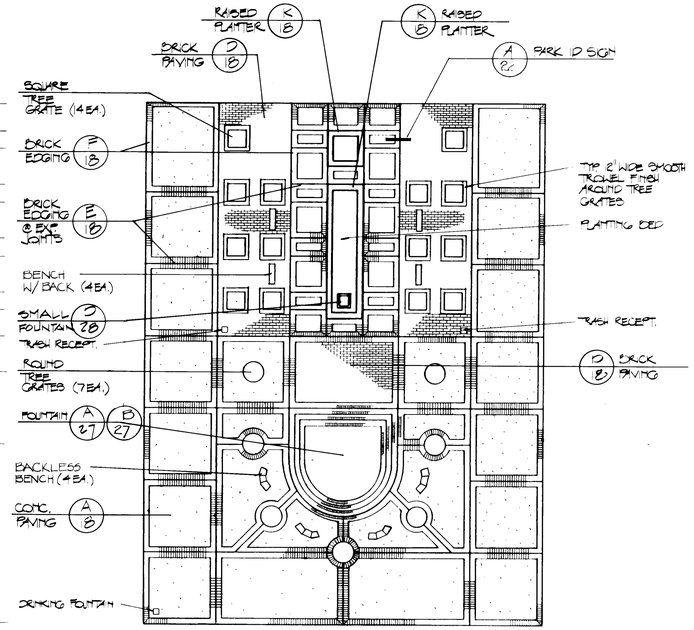
TITLE: PHIL CHACON PARK PHASE I & II
CONSTRUCTION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.					
Utility Dev.					
Parks	D. Selma	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 22 OF 29



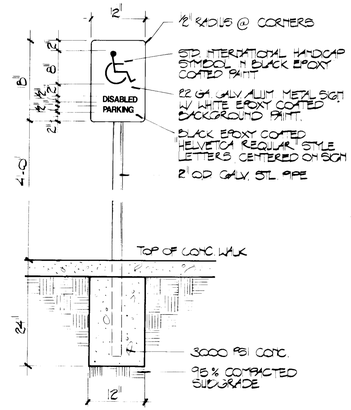
DIMENSION PLAN



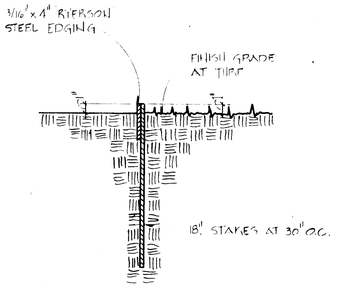
CONSTRUCTION PLAN

NOTES:

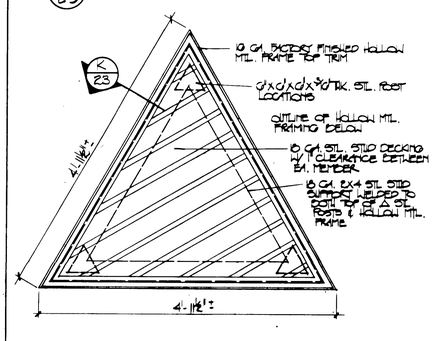
1. SQUARE TREE GRATES SHALL BE NEENAH R-8734 180° SQUARE WITH TYPE 'U' ANGLE FRAME MOUNTED INTO SURROUNDING CONCRETE.
2. ROUND TREE GRATES SHALL BE NEENAH R-8855-I 180° ROUND WITH TYPE 'U' ANGLE FRAME MOUNTED INTO SURROUNDING CONCRETE. SEE DETAIL 7/9 FOR MOUNTING AT MASONRY.
3. BACKLESS BENCHES SHALL BE ULTRUM # UF 5210 15° CONCAVE FLAT SEATS (3 SEATS PER BENCH) WITH IN GROUND MOUNT (GREEN) (4 EACH).
4. BENCHES WITH BACKS SHALL BE ULTRUM # UF-5111 SERIES STRAIGHT CHAIRS (3 CHAIRS PER BENCH) WITH IN GROUND MOUNT (GREEN) (4 EACH).
5. BRICK SHALL BE ENDICOTT # 77 MED. IRONSPOT PAVERS.
6. DRINKING FOUNTAIN SHALL BE HAWS # 3380 (GREEN), INSTALL PER MANUFACTURER RECOMMENDATIONS (NO FREEZE-PROOF VALVE SYSTEM)
7. TRASH RECEPTACLE SHALL BE ULTRUM #UL 5005 (GREEN) WITH # UL 5130 TOP. CONTRACTOR SHALL SECURE RECEPTACLE TO THE CONCRETE PAVING WITH 2 EACH SECURITY LATCHES AND BOLTS.



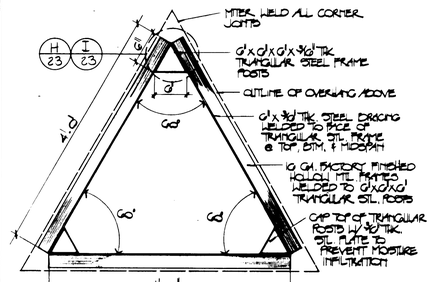
E/23 HANDICAP PARKING SIGN 3/4" = 1'-0"



A/23 ENTRY PLAZA - DIMENSION & CONSTRUCTION PLAN

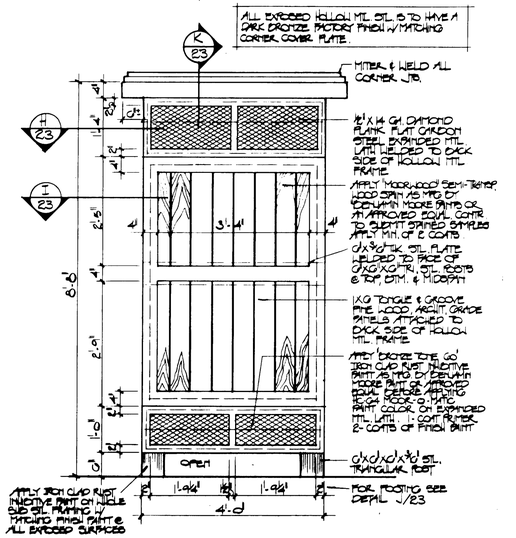


E/23 KIOSK ROOF FRAMING (ADD ALT #1) NTS

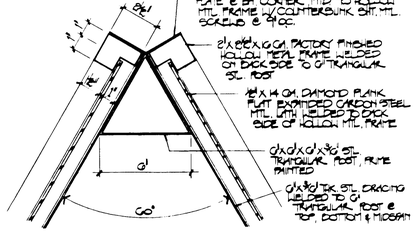


F/23 KIOSK FRAMING (ADD ALT #1) NTS

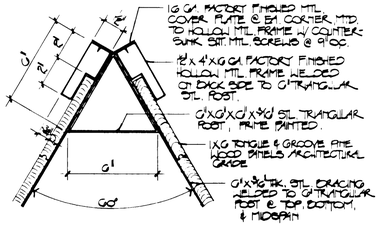
NOTE: SEE E/23 & F/23 FOR FRAMING PLANS



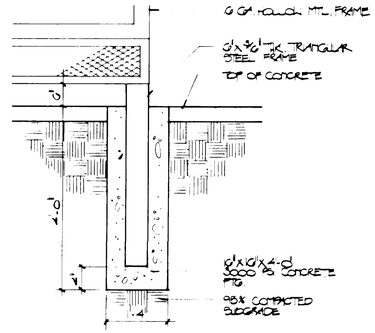
G/23 TYP. KIOSK ELEVATION (ADD ALT. #1) NTS



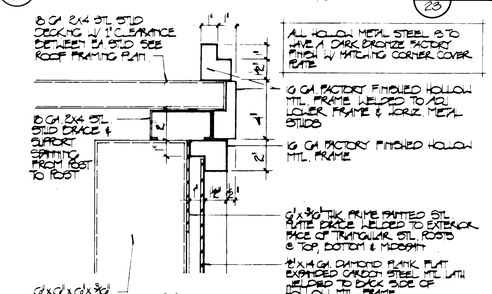
H/23 KIOSK CORNER SECTION (AA #1) NTS



I/23 KIOSK CORNER SECTION (AA #1) NTS

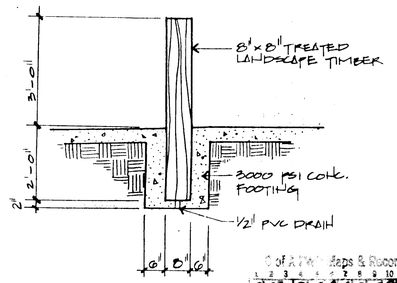


J/23 KIOSK FOOTING (AA #1) NTS



K/23 KIOSK TOP SECTION (AA #1) NTS

L/23 STEEL EDGING SECTION SCALE: 1½" = 1'-0"



D/23 BOLLARD AT HANDICAP RAMP 1½" = 1'-0"

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASE I & II
CONSTRUCTION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.					
Utility Dev.					
Parks	D. Selma	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 23 OF 29

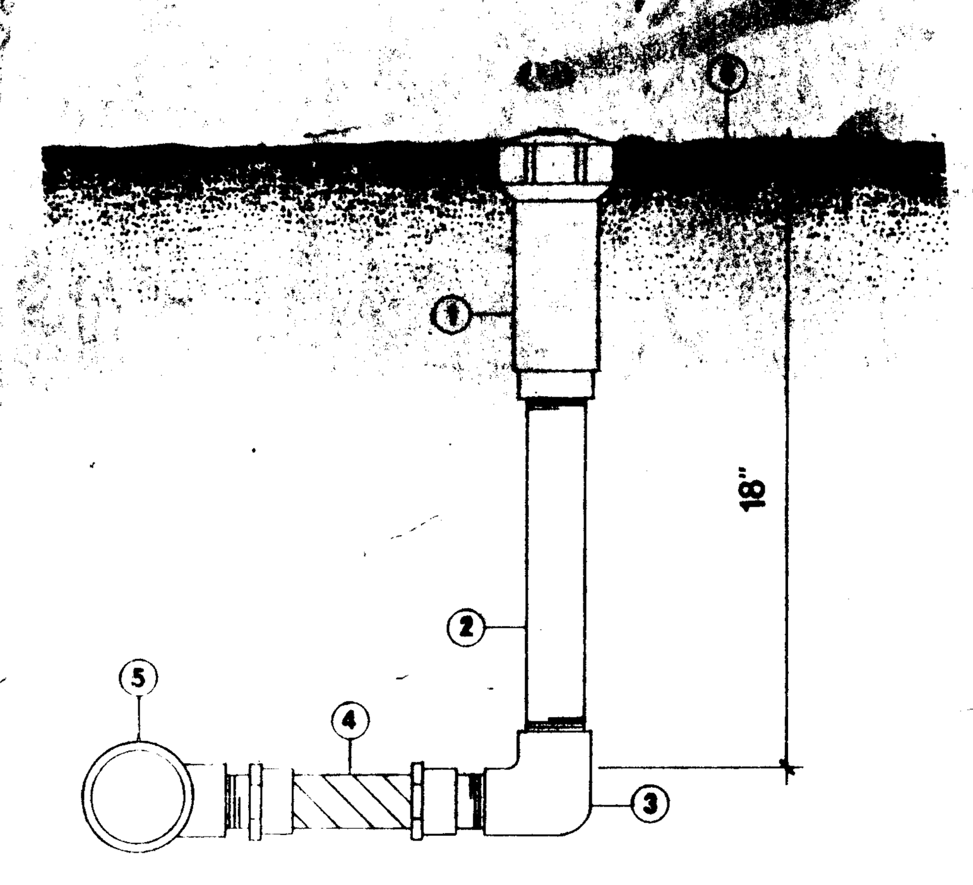
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY | DATE
INSPECTORS FIELD CHANGES BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE 2/92
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO

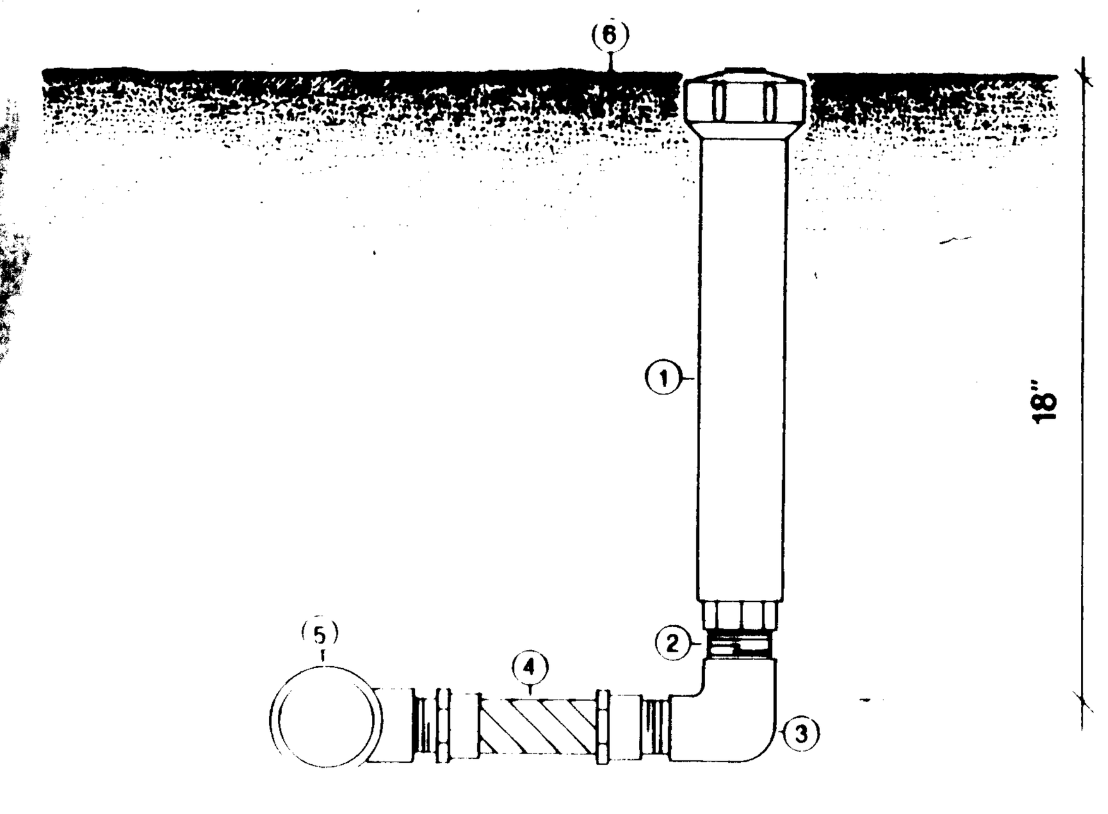
ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 5/90
		DESIGNED BY BHM/PMM	DATE 5/90
		DRAWN BY PMM	DATE 5/90
		CHECKED BY ECA	



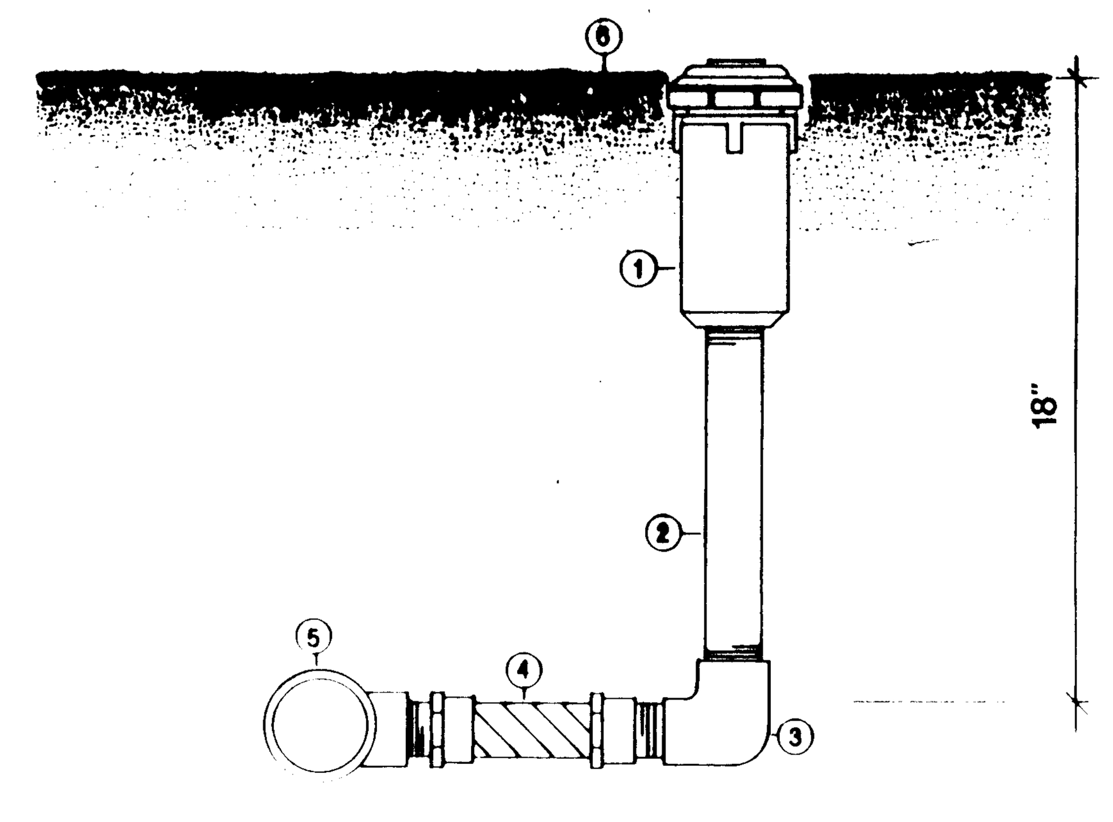
1. POP UP SPRINKLER (SEE PLAN)
2. 1/2" x 12" SCH 80 PVC NIPPLE
3. 1/2" SCH. 40 PVC THREADED ELBOW
4. EXCALIBUR 506 MM 1/2"x6" FLEX NIPPLE OR EQUAL
5. PVC LATERAL PIPE FITTING
6. FINISH GRADE

A/24 POP UP SPRINKLER ASSEMBLY NTS



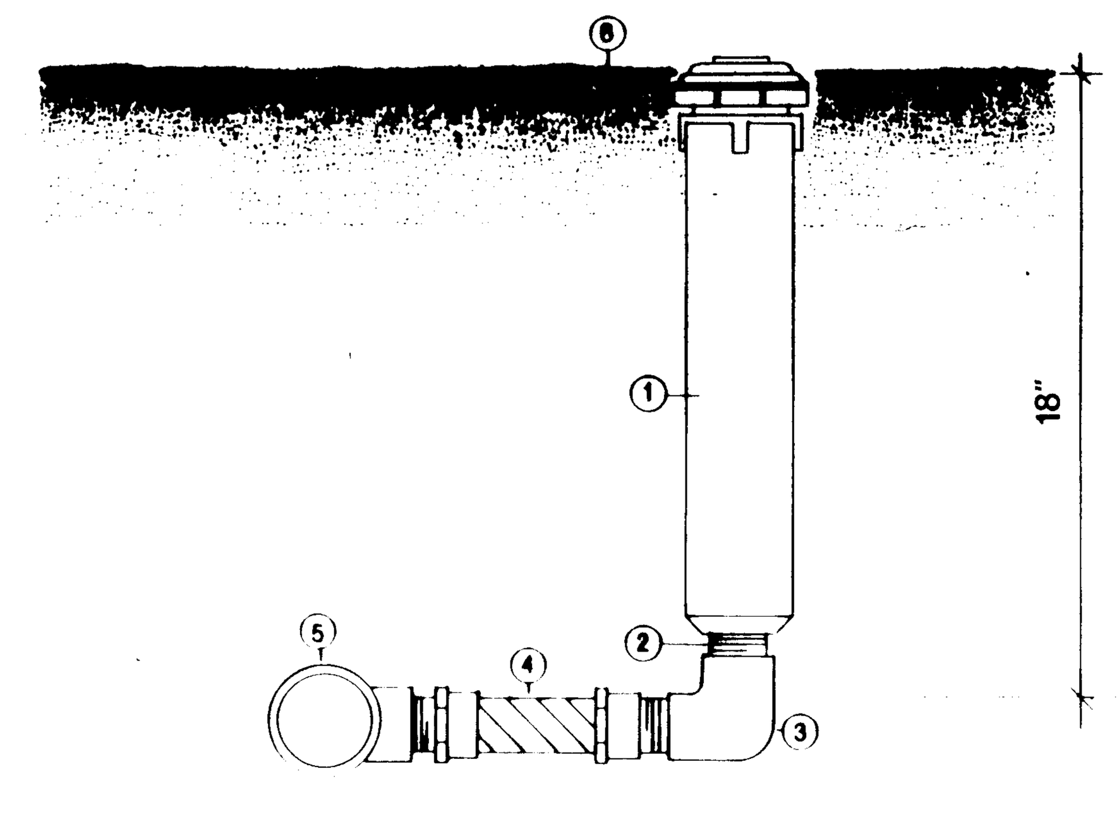
1. HIGH POP SPRINKLER (SEE PLAN)
2. 1/2" X 2" SCH. 80 PVC NIPPLE
3. 1/2" SCH. 40 PVC ELBOW T X T
4. EXCALIBUR 506 MM 1/2"x6" FLEX NIPPLE OR EQUAL
5. PVC LATERAL FITTING
6. FINISH GRADE

B/24 HIGH POP SPRINKLER ASSEMBLY NTS



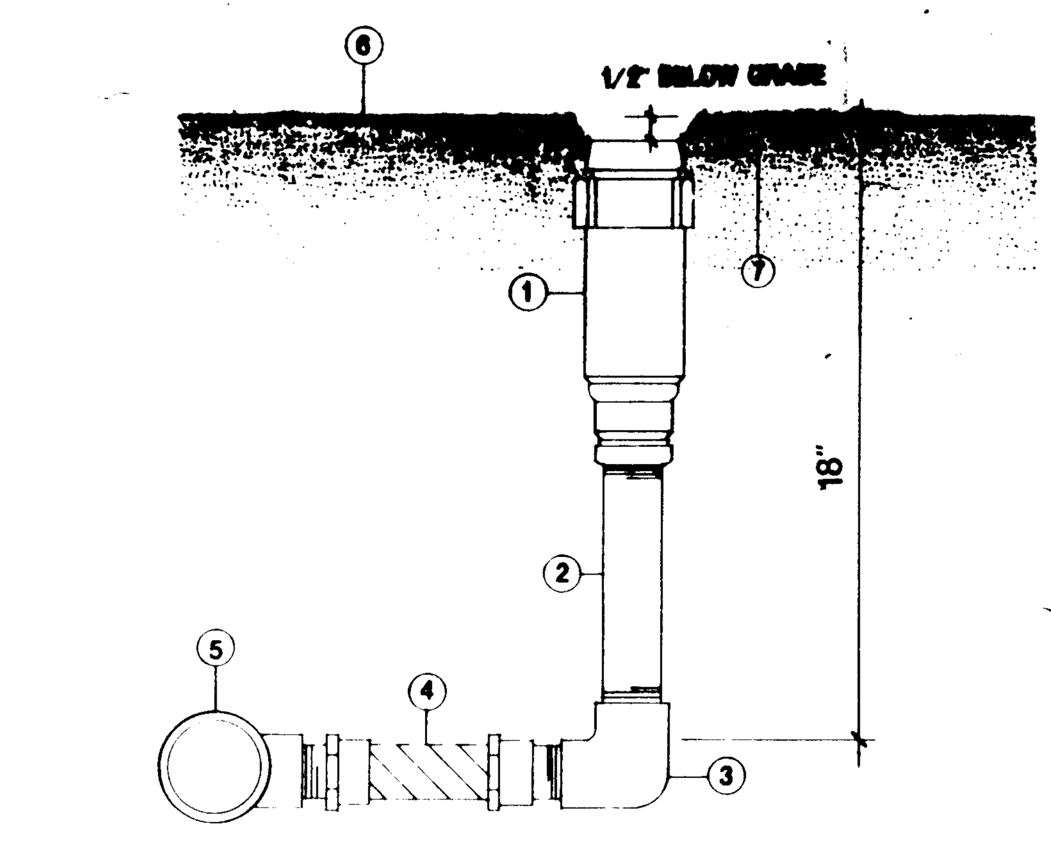
1. GEAR DRIVEN ROTARY SPRINKLER (SEE PLAN)
2. 3/4" X 12" SCH. 80 PVC NIPPLE
3. 3/4" SCH. 40 PVC THREADED ELBOW
4. EXCALIBUR 756 MM 3/4"x6" FLEX NIPPLE OR EQUAL
5. PVC LATERAL PIPE FITTING
6. FINISH GRADE

C/24 GEAR DRIVEN ROTARY SPRINKLER NTS



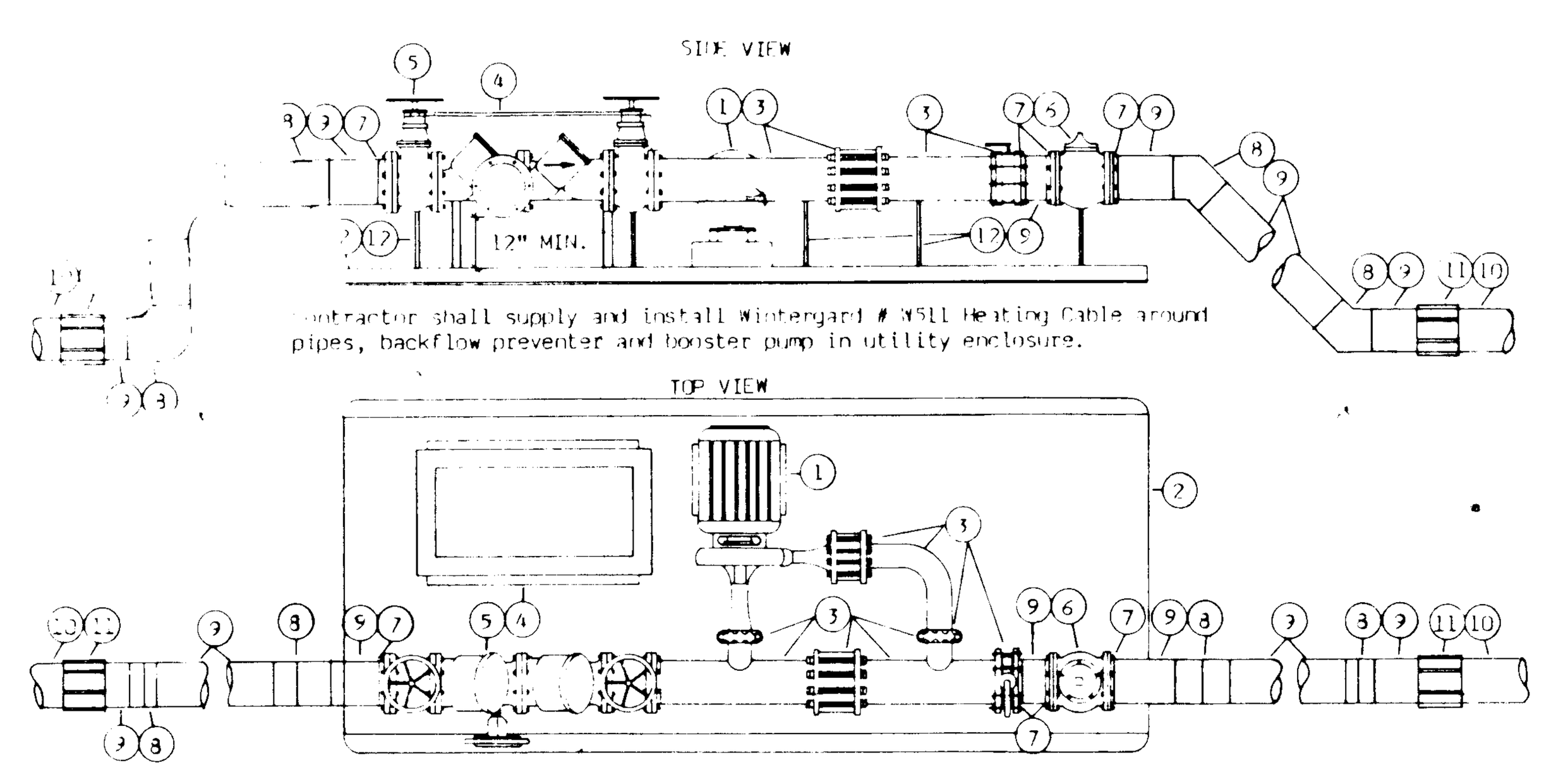
1. GEAR DRIVEN ROTARY SPRINKLER (SEE PLAN)
2. 3/4" X 2" SCH. 80 PVC NIPPLE
3. 3/4" SCH. 40 PVC THREADED ELBOW
4. EXCALIBUR 756 MM 3/4"x6" FLEX NIPPLE OR EQUAL
5. PVC LATERAL PIPE FITTING
6. FINISH GRADE

D/24 GEAR DRIVEN ROTARY HIGH POP SPRINKLER NTS



1. GEAR DRIVE SPRINKLER (SEE PLAN)
2. 1" x 12" SCH 80 PVC NIPPLE
3. 1" SCH. 40 PVC THREADED ELBOW
4. EXCALIBUR 1007 MM 1"x6" FLEX NIPPLE OR EQUAL
5. PVC LATERAL PIPE FITTING
6. FINISH GRADE
7. RUBBER COVER (IF SPECIFIED, SEE PLAN)

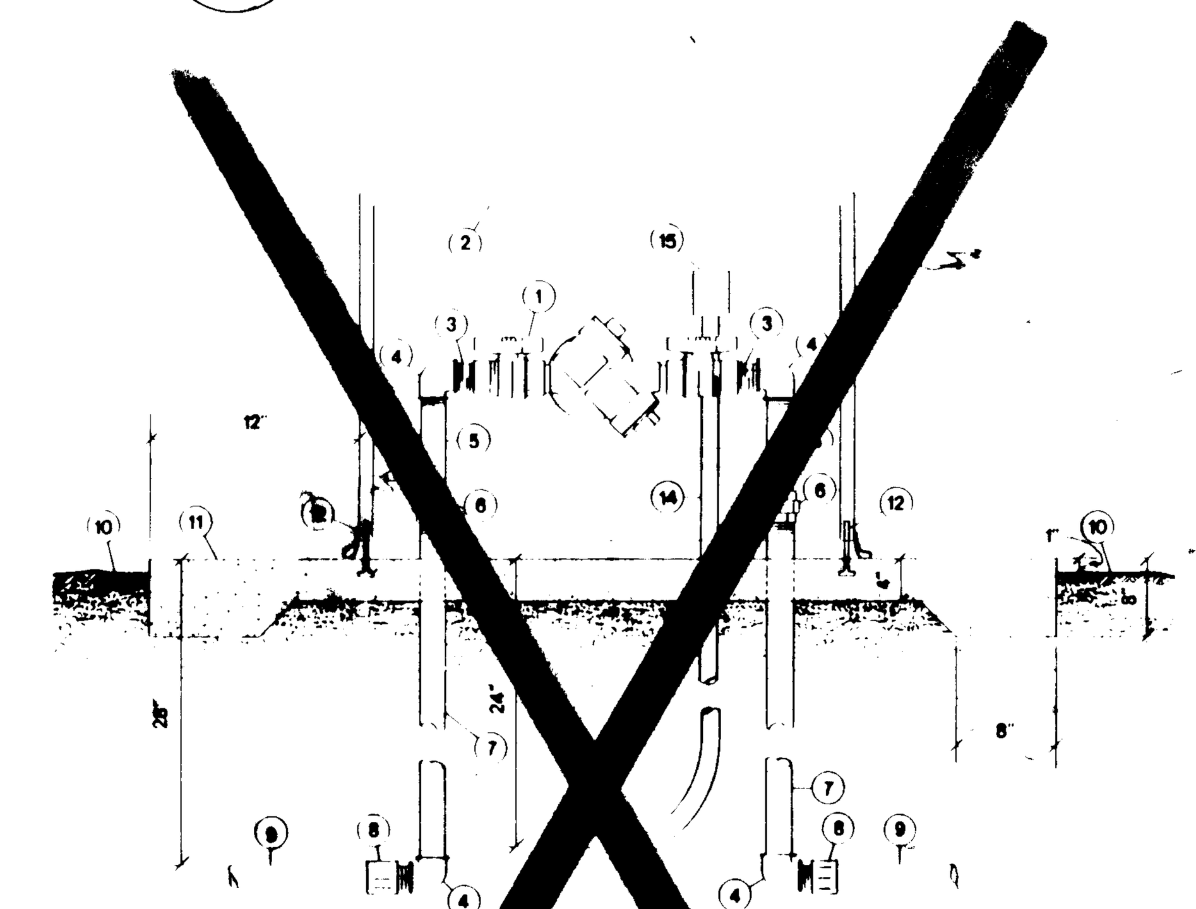
E/24 GEAR DRIVEN ROTARY SPRINKLER NTS



1. 20 H.P. CENTRIFUGAL BOOSTER PUMP (INCLUDES ITEM 2 THRU 4)
2. STATION BASE
3. CHECK VALVE BY-PASS ASSEMBLY
4. CONTROL PANEL
5. BACKFLOW PREVENTER (SEE IRRIGATION LEGEND SHEET 13)
6. BERMAD # 930P-6 FLOW METER
7. 6" WELD ON STEEL FLANGE
8. 6" WELD ON STEEL ELBOW - 45°
9. 6" SCHEDULE 40 STEEL PIPE (LENGTH AS REQUIRED)
10. 6" CLASS 200 RING END TYPE PVC PIPE
11. DRESSER COUPLING
12. ADJUSTABLE SUPPORT

Booster Pumping Station shall be Model # LPS-325-1-3600-4-20 as built by PSI PUMPING SYSTEMS; DALLAS, TX, 1-800-527-0539.

F/24 BOOSTER PUMP & BACKFLOW PREVENTER ASSEMBLY

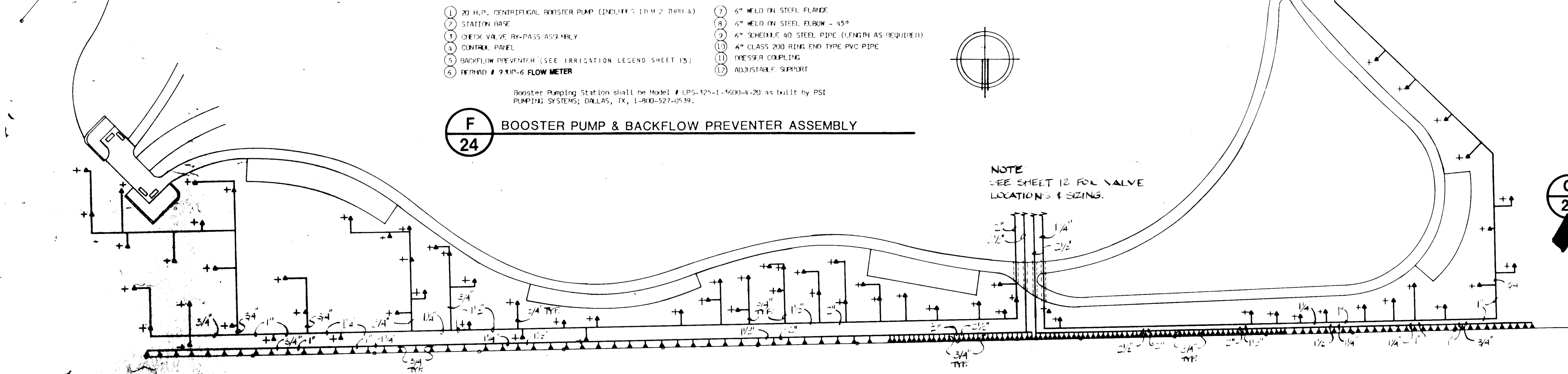


~~1. BACKFLOW PREVENTER (SEE ...)~~
~~2. ... 30ALI ... ENCLOSURE~~
~~3. ... NIPPLE - 1" x~~
~~4. ... ELBOW - 1"~~
~~5. ... NIPPLE -~~
~~6. ... UNION~~
~~7. ... x 30"~~
~~8. SCH. 40 PVC ... ADAPTER - 1"~~
~~SCH.40 PVC PIPE - 1"~~
~~FINISH GRADE~~
~~...000 PSI CONCRETE BASE / MOWSTRIP~~
~~12. ...UNTING BRACKET (INSTALL AS PER ...FACTURERS RECOMMENDATIONS)~~
~~13. 1/... STEEL SWEEP ELL~~
~~14. 1/2 ... STEEL CONDUIT WRAPPED IN PVC TAPE~~
~~15. WEAT...OOF JUNCTION BOX~~

~~NOTES:~~
~~ALL ELECTR... SERVICE AND ELECTRICAL CONNECTIONS SHALL BE INST... AS PER N.E.C. STANDARDS~~
~~...ALL W...GARD-WET H622 208 VOLT HEAT CABLE - 8' LENGTH~~

~~**G/24 BACKFLOW PREVENTER ASSEMBLY**~~ N.T.S.

26 27462493



LEGEND

▲ TORO 570C-4P POP-UP SPRINKLER	SEE DETAIL A/24
FB-100-PC PRESSURE COMPENSATING FLOOD BUBBLER - 1 GPM (NO CHECK VALVE)	
LATERAL PIPE - CLASS 200 SOLVENT WELD PVC; 18" BURY MIN. (SIZES AS INDICATED)	
SLEEVE PIPE - CLASS 200 PVC (2 SIZES LARGER THAN PIPE BEING SLEEVED)	

SOUTHERN AVE. / LOUISIANA BLVD / NORTH (NO SCALE)

G/24 BUBBLER SYSTEM AT SOUTH NATIVE AREA

1" = 40' -0"

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE:
INSPECTORS APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARK

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL 5/11/90

NO.	DATE	REVISIONS / REMARKS	BY
	10/91	AS-BUILTS	JLM

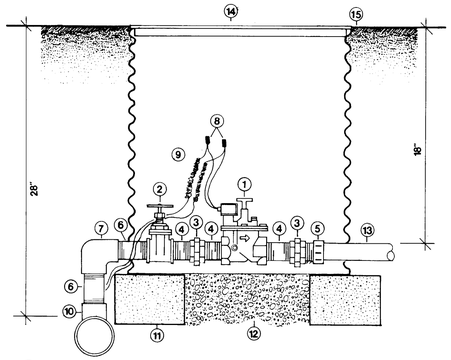
DESIGNED BY:	DJS	DATE: 5/90
DRAWN BY:	DJS	DATE: 5/90
CHECKED BY:	ECR	DATE: 5/90

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: PHIL CHACON PARK PHASE I & II IRRIGATION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-17-90
TRANSPORTATION	N/A RHD	6-12-90	WASTE WATER	R.W. Kane	9-17-90
HYDROLOGY	N/A	9/7/90			
Parks	D. Sena	9-5-90			

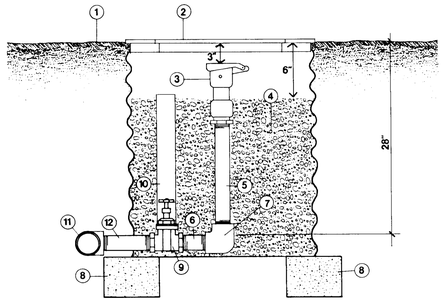
PROJECT NO. 2746 | MAP NO. L-19 | SHEET 24 OF 29



1. AUTOMATIC VALVE (SEE PLAN)
2. PEGLAR B-68 BRASS GATE VALVE
3. GALVANIZED UNION
4. SCH. 80 PVC THREADED NIPPLE - 4" LENGTH
5. SCH. 40 PVC MALE ADAPTER
6. SCH. 80 PVC THREADED NIPPLE - 8" LENGTH
7. SCH. 40 PVC THREADED ELBOW
8. WATER PROOF CONNECTORS
9. 36" EXPANSION LOOPS
10. MAINLINE FITTING
11. CMU BLOCK (2 PER VALVE BOX)
12. 1" WASHED RIVER ROCK (2 CUBIC FEET)
13. PVC LATERAL PIPE
14. BASS & HAYS 34-D VALVE BOX
15. FINISH GRADE

A / 25 AUTOMATIC VALVE ASSEMBLY

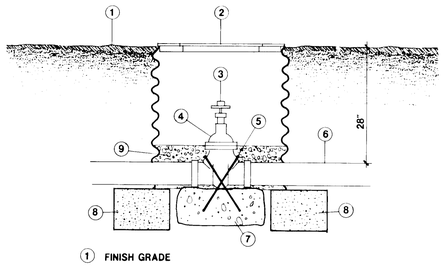
NTS



1. FINISH GRADE
2. BASS & HAYS 34-D VALVE BOX
3. QUICK COUPLING VALVE (SEE PLAN)
4. PEA GRAVEL
5. SCH 80 PVC NIPPLE - 24" LENGTH
6. SCH 80 PVC NIPPLE - 4" LENGTH
7. SCH 40 ELBOW
8. CMU BLOCK (2 MINIMUM)
9. PEGLAR B-68 GATE VALVE
10. 2" CLASS 160 PVC SLEEVE
11. MAINLINE TEE
12. SCH 80 PVC NIPPLE - 18" LENGTH

B / 25 QUICK COUPLER VALVE ASSEMBLY

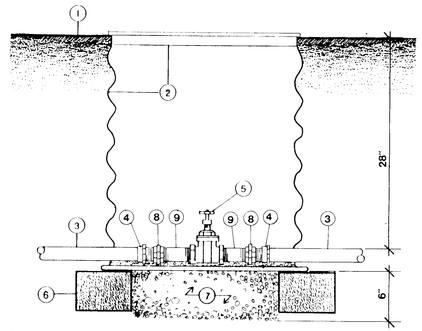
NTS



1. FINISH GRADE
2. BASS & HAYS 548-D VALVE BOX
3. 2" OPERATING NUT
4. IRON BODY GATE VALVE (SEE PLAN)
5. #4 REBAR TIE
6. MAINLINE
7. CONCRETE THRUST BLOCK
8. CMU BLOCK (2 MINIMUM)
9. PEA GRAVEL

C / 25 IRON BODY GATE VALVE ASSEMBLY

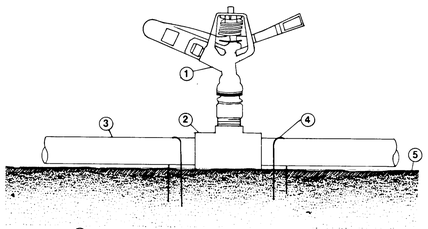
NTS



1. FINISH GRADE
2. BASS & HAYS 34-D VALVE BOX
3. PVC PIPING
4. SCH 40 PVC MALE ADAPTER
5. GATE VALVE
6. CMU BLOCK (2 MINIMUM)
7. PEA GRAVEL
8. GALVANIZED UNION
9. GALVANIZED NIPPLE 4" LENGTH

D / 25 BRASS GATE VALVE ASSEMBLY

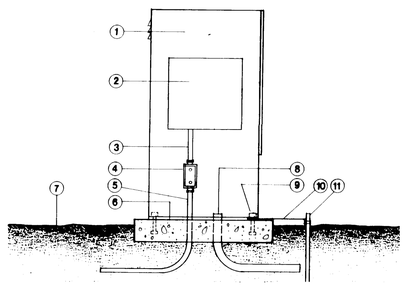
NTS



1. IMPACT SPRINKLER (SEE PLAN)
2. LATERAL FITTING - SCH.40 PVC
3. SCH. 40 PVC LATERAL PIPE
4. GROUND STAPLE OR EQUAL
5. FINISH GRADE

E / 25 IMPACT SPRINKLER ASSEMBLY FOR TEMPORARY IRRIGATION

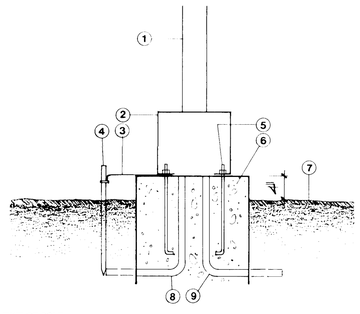
FRONT VIEW



1. CONTROLLER ENCLOSURE STRONG BOX #SB-24DSS
2. AUTOMATIC CONTROLLER (SEE LEGEND)
3. 3/4" EMT CONDUIT (120 VOLT CONDUCTORS)
4. 3/4" LB BOX
5. 3/4" PVC SWEEP W/ 90° ELBOW
6. 3000 PSI CONC. BASE 6" MINIMUM THICKNESS AS REQUIRED BY MANUF. INSTALLATION GUIDE
7. FINISH GRADE
8. 3" PVC SWEEP W/ 90° ELBOW
9. MOUNTING STUDS
10. GROUNDING WIRE
11. 5/8" x 10 Ft. GROUNDING ROD

F / 25 AUTOMATIC CONTROLLER & STEEL ENCLOSURE

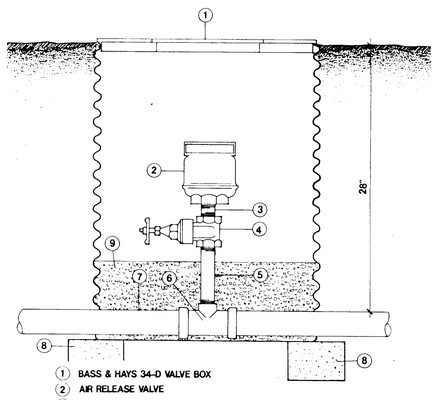
NTS



1. FIXTURE POLE
2. PEDESTAL HOUSING
3. GROUNDING WIRE
4. GROUNDING ROD
5. FINISH GRADE 1/2" x 12" ANCHOR BOLTS AS PER MFG.'s TEMPLATE
6. 18" x 18" x 16"DP. 3000 PSI CONC. FTG.
7. FINISH GRADE
8. ELECT.CONDUIT INLET W/ 90° ELBOW FOR TELEPHONE WIRE
9. ELECT. CONDUIT INLET W/ 90° ELBOW FOR POWER SUPPLY

G / 25 WEATHER STATION ASSEMBLY

NTS



1. BASS & HAYS 34-D VALVE BOX
2. AIR RELEASE VALVE
3. SCH 80 PVC CLOSE NIPPLE
4. PEGLAR B-68 BRASS GATE VALVE
5. SCH 80 PVC NIPPLE (LG. AS REQ.)
6. GASKETED SERVICE TEE
7. PVC MAIN LINE
8. CMU BLOCK (2 MINIMUM)
9. PEA GRAVEL

H / 25 AIR RELEASE VALVE ASSEMBLY

NTS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR ACCEPT; LANDSCAPE
WORK STAKED BY — DATE
INSPECTED BY — DATE
AS-BUILTED BY — DATE
FIELD DRAWING CORRECTION BY — DATE 2/13
DRAWING CORRECTED BY SL
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

ENGINEER'S SEAL

NO. | DATE | REMARKS | BY
REVISIONS
DESIGN — DATE 5/90
DESIGNED BY DJS
DRAWN BY DJS — DATE 5/90
CHECKED BY EGA — DATE 5/90

26 27462593

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

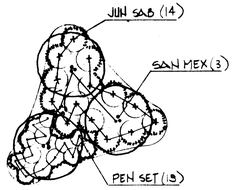
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASE I & II
IRRIGATION DETAILS

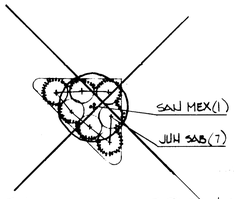
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.					
Utility Dev.	Robert Kane	9-7-90			
Parks	D. Serna	9-5-90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 25 OF 29

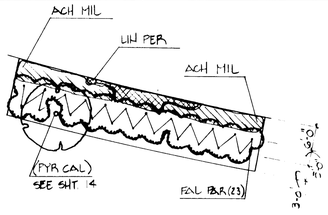
129975



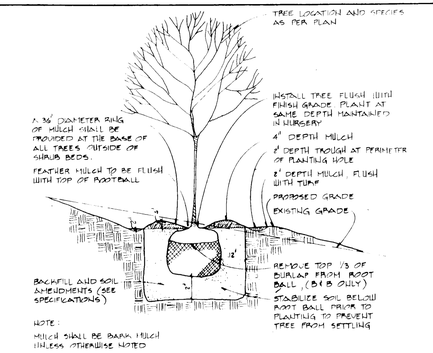
A / 26 PLANTING BED WEST OF PARKING LOT
SCALE: 1"=10'-0"



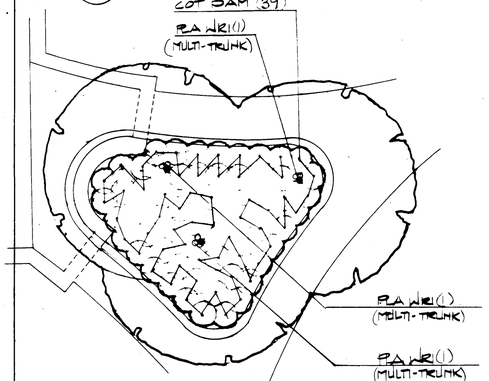
E / 26 PLANTING BED S.E. OF PARKING LOT
SCALE: 1"=10'-0"



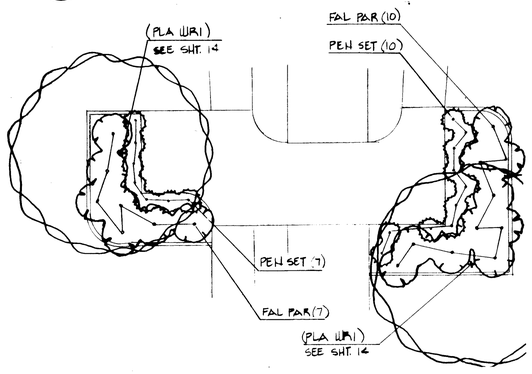
I / 26 PLANTING BED #3
SCALE: 1" = 20'-0"



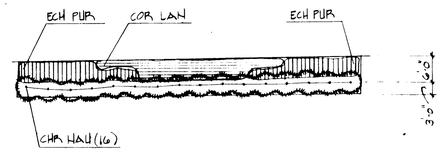
M / 26 TREE PLANTING DETAIL - ON SLOPE
N.T.S.



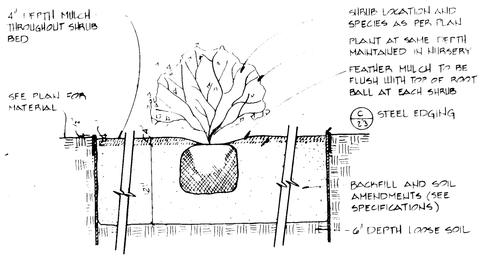
U / 26 PLANTING BED S.E. OF FOUNTAIN COURT
SCALE: 1"=10'-0"



F / 26 PLANTING BED AT TURNAROUND
N.T.S.

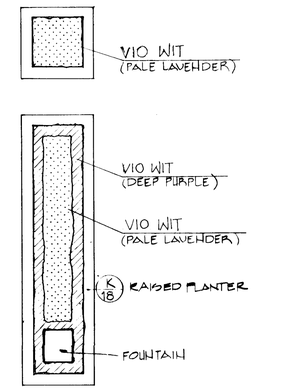


J / 26 PLANTING BED #4
SCALE: 1" = 20'-0"

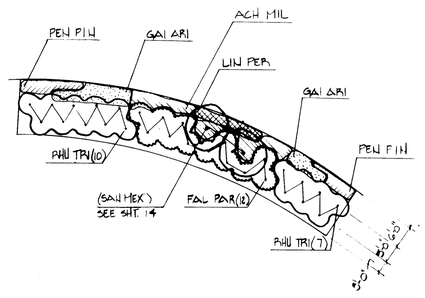


NOTE:
MULCH SHALL BE BARK MULCH UNLESS OTHERWISE NOTED

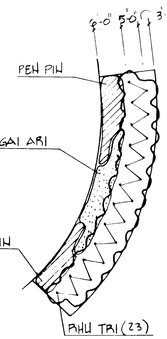
N / 26 SHRUB PLANTING DETAIL - ON LEVEL
N.T.S.



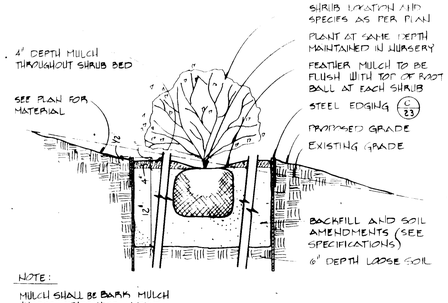
C / 26 PLANTING BED AT ENTRY COURT
SCALE: 1"=10'-0"



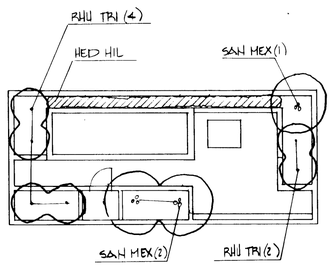
G / 26 PLANTING BED #1
SCALE: 1" = 20'-0"



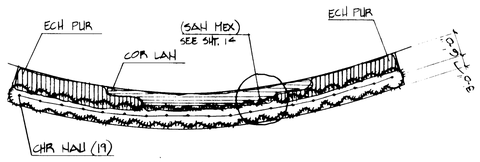
K / 26 PLANTING BED #5
SCALE 1" = 20'-0"



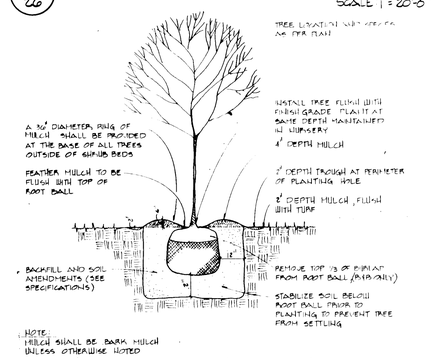
P / 26 SHRUB PLANTING DETAIL - ON SLOPE
N.T.S.



D / 26 PLANTING BED AT UTILITY ENCLOSURE
SCALE: 1"=10'-0"



H / 26 PLANTING BED #2



L / 26 TREE PLANTING DETAIL - ON LEVEL
N.T.S.

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STARTED ON DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE 3/93
DRAWINGS CORRECTED BY MICRO-FILM DATE
RECORDED BY
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
BERNARD H. MORROW NO. 2 REGISTERED LANDSCAPE ARCHITECT NEW MEXICO
5/11/90

NO.	REMARKS / REVISIONS	BY	DATE
	DESIGN		
	DESIGNED BY	BLY	DATE 5/90
	DRAWN BY	P.L.	DATE 5/90
	CHECKED BY	ECR	DATE 5/90

26 27462693

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

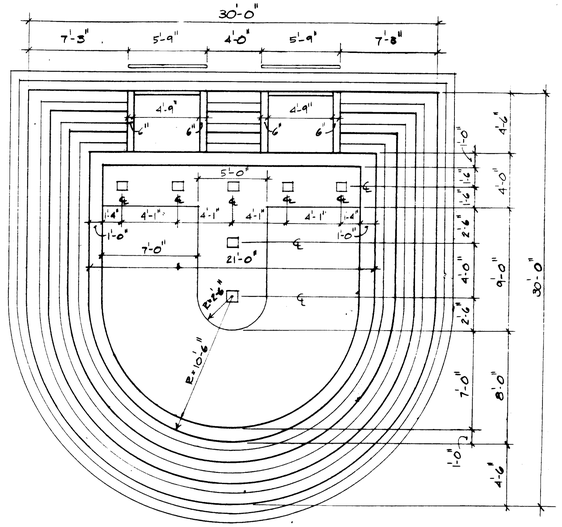
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASE I & II
PLANTING DETAILS

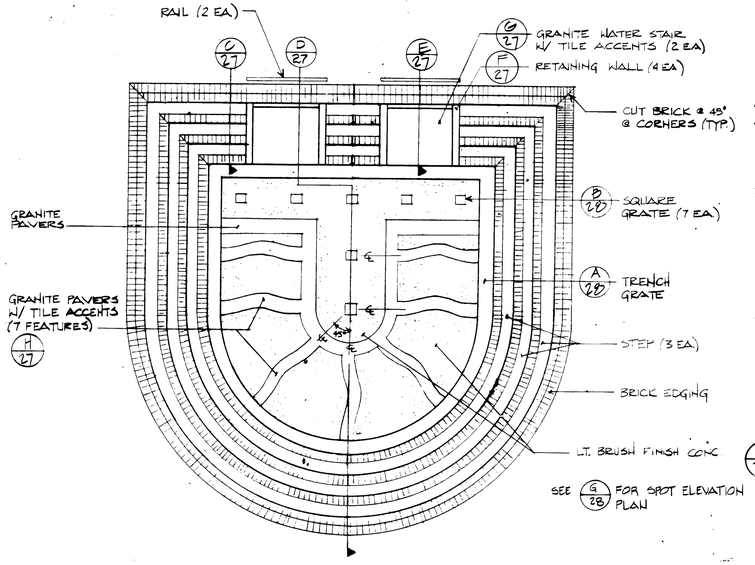
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.	N/A				
Utility Dev.					
Parks	D Selna	9.5.90			

DRAWING NO. 2746
MAP NO. L-19
SHEET 26 OF 29

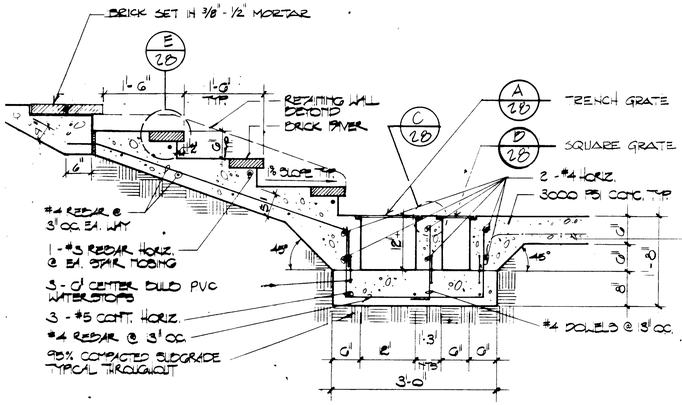
139878



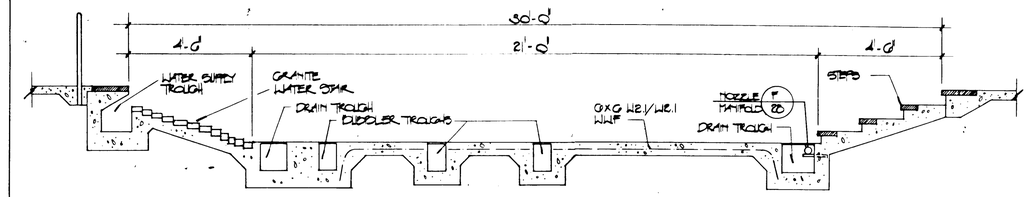
A/27 FOUNTAIN - DIMENSION PLAN SCALE: 3/16" = 1'-0"



B/27 FOUNTAIN - CONSTRUCTION PLAN SCALE: 3/16" = 1'-0"



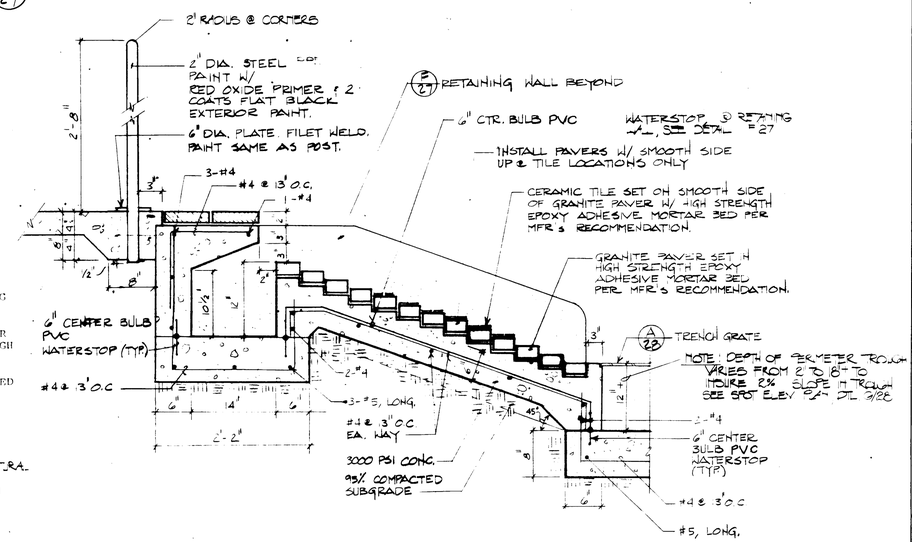
C/27 FOUNTAIN - SECTION @ STEPS SCALE: 3/4" = 1'-0"



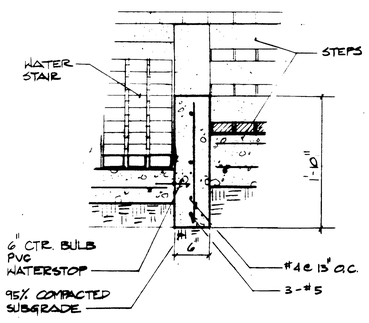
D/27 FOUNTAIN SECTION SCALE: 3/8" = 1'-0"

GRANITE PAVERS SHALL BE "COLD SPRING GRANITE MODULE PAVERS", 4"X 4"X 2", CHARCOAL GREY, AVAILABLE FROM COLD SPRING GRANITE CO., 612-685-3621, OR EQUAL. PAVERS SHALL BE SET ON A HIGH STRENGTH EPOXY ADHESIVE MORTAR BED WITH NO MORTAR AT VERTICAL JOINTS. WHERE CERAMIC TILE IS TO BE INSTALLED ON GRANITE PAVERS, PAVERS SHALL BE INSTALLED WIHT SMOOTH (SAWED) SIDE UP.

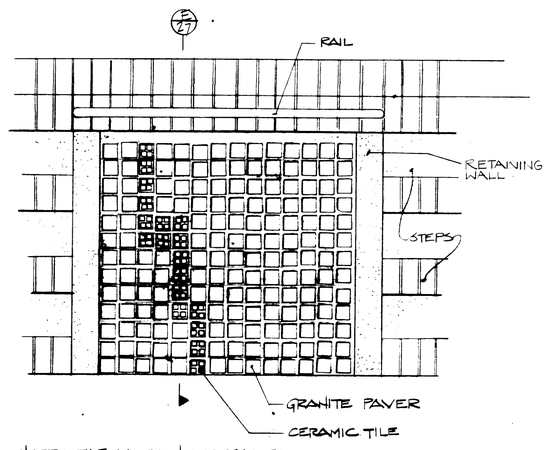
CERAMIC TILE SHALL BE PORCELAIN CERAMIC MOSAICS, 2"X 2"X ¼", COBALT BLUE, AVAILABLE FROM ARCHITECTURAL SURFACES INC. (505-839-0184), OR EQUAL. TILE SHALL BE SET ON A HIGH STRENGTH EPOXY ADHESIVE MORTAR BED ON GRANITE PAVERS WITH STANDARD VERTICAL MORTAR JOINTS.



E/27 SECTION @ WATER STAIR SCALE: 1" = 1'-0"



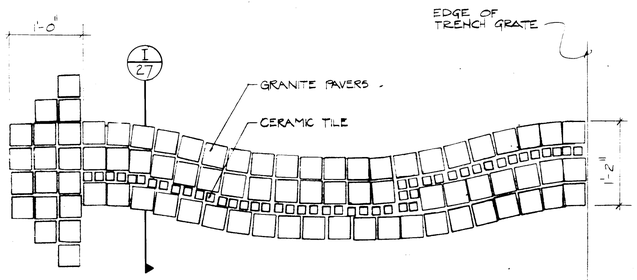
F/27



NOTE: TILE PATTERN VARIES @ EA. WATER WALL. CONTRACTOR SHALL VERIFY TILE PATTERN IN FIELD W/ LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

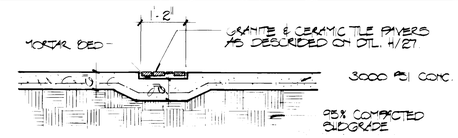
F/27 RETAINING WALL @ WATER STAIR SCALE 1" = 1'-0"

G/27 PAVING PLAN @ WATER STAIR SCALE: 3/4" = 1'-0"



NOTE: TILE PATTERN VARIES @ EA. FEATURE. CONTRACTOR SHALL VERIFY TILE PATTERN IN FIELD W/ LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

H/27 FEATURE PAVING PLAN N.T.S.



I/27 FEATURE PAVING SECTION 1" = 1'-0"

GRANITE PAVERS SHALL BE "COLD SPRING GRANITE MODULE PAVERS", 4"X 4"X 2", CHARCOAL GREY, AVAILABLE FROM COLD SPRING GRANITE CO., 612-685-3621, OR EQUAL. PAVERS SHALL BE SET ON A HIGH STRENGTH EPOXY ADHESIVE MORTAR BED WITH NO MORTAR AT VERTICAL JOINTS.

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CERAMIC TILE SHALL BE PORCELAIN CERAMIC MOSAICS, 2"X 2"X ¼", COBALT BLUE, AVAILABLE FROM ARCHITECTURAL SURFACES INC. 505-839-0184 OR EQUAL. TILE SHALL BE SET ON A HIGH STRENGTH EPOXY ADHESIVE MORTAR BED WITH STANDARD VERTICAL MORTAR JOINTS.

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

AS BUILT INFORMATION
CONTRACTOR ACCEPTANCE BY DATE
WORK STAKED BY DATE
INSPECTED BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY SL DATE 2/93
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
No. 2
JAMES H. MORROW
REGISTERED LANDSCAPE ARCHITECT
5/11/90

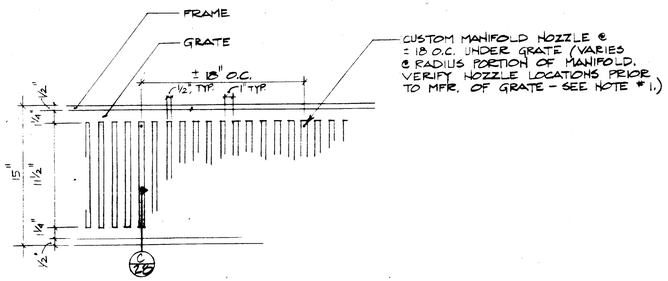
NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		DATE 5/90
	DESIGNED BY BHM/VC		DATE 5/90
	DRAWN BY BHM		DATE 5/90
	CHECKED BY ECA/VC		

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASE I & II
FOUNTAIN CONSTRUCTION DETAILS

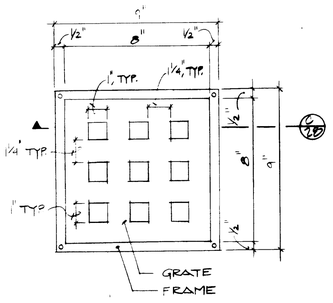
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev					
Utility Dev	R.W. Kane	9-17-90			
Parks	D Selma	9.5.90			

DRAWING NO. 2746 | MAP NO. L-19 | SHEET 27 OF 28

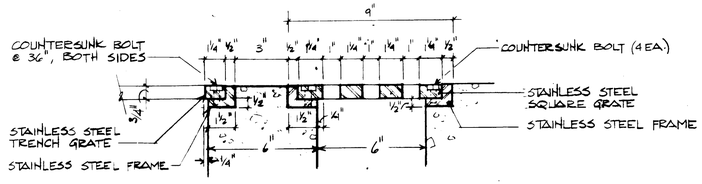


NOTE: CONTRACTOR SHALL MAKE A TEMPLATE OF THE CUSTOM MANIFOLD AFTER ITS INSTALLATION IN THE FIELD, SHOWING EXACT NOZZLE LOCATIONS WHICH SHALL BE COORDINATED WITH THE MANUFACTURE OF TRENCH GRATE. TRENCH GRATE OPENS. SHALL ALIGN EXACTLY W/ MANIFOLD NOZZLE LOCATIONS.

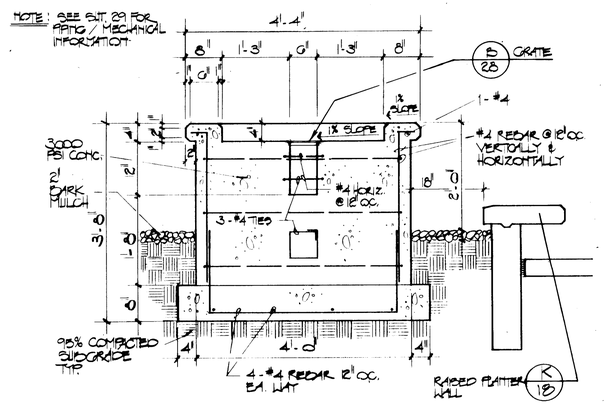
A 28 TRENCH GRATE DETAIL SCALE 1½" = 1'-0"



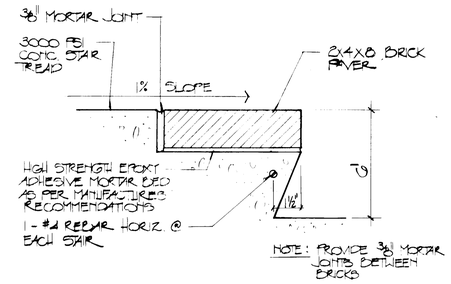
B 28 SQUARE GRATE PLAN 3" = 1'-0"



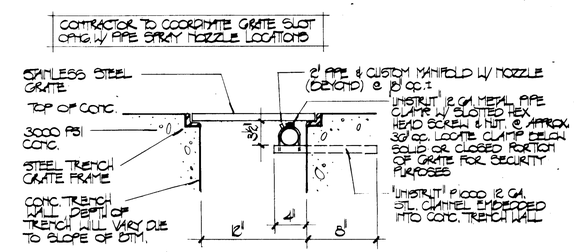
C 28 SQUARE GRATE & TRENCH GRATE SECTION SCALE 3" = 1'-0"



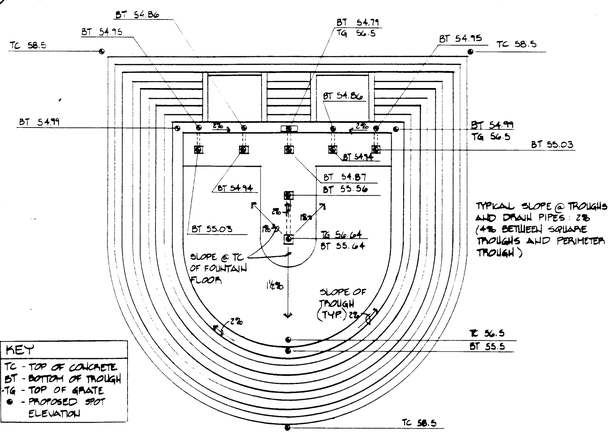
F 28 SMALL FOUNTAIN SECTION SCALE 3/4" = 1'-0"



E 28 STAIRTREAD SECTION SCALE 3" = 1'-0"



F 28 TYPICAL CROSS MANIFOLD PIPE SECTION SCALE ½" = 1'-0"



G 28 FOUNTAIN SPOT ELEVATIONS PLAN NTS

GENERAL FOUNTAIN NOTES

1. Mechanical portion of fountain shall be "Phil Chacon Park Entry Fountain" as manufactured by Roman Fountains, 8501 Jefferson NE, (828-1801) or approved equal. (See Sheet 29.)
2. Contractor shall provide a 18" x 18" concrete apron at 1" above finish grade around each fountain vent pipe (3 each).
3. Waterstops at pool walls and floor shall be 6" Continuous Center Bulb PVC Waterstop as manufactured by Burke Vinylok or approved equal. Where vertical and horizontal waterstops abut, they shall be spliced with a thermostat controlled electric splicing iron. Heat material to 425° - 450° F. Cut joints at 45° angle prior to splicing.
4. Waterstop flanges shall be installed around pipes at all pool slab and wall penetrations. Flanges shall be 3 times the diameter of the pipe.
5. Contractor shall apply 2 coats of "Thoroseal" #8510 Waterproofing with "Acryl 60" to interior surfaces of concrete. First coat shall be Standard Grey. Second coat shall be Pearl Grey.
6. Piping for fountain shall be as follows:

   Drain lines 4" and larger: SDR-35 PVC sewer pipe
   Drain lines under 4": Schedule 40 PVC drain, waste, and vent pipe
   Supply lines: Schedule 40 PVC

AS BUILT INFORMATION
CONTRACTOR KLEIN LANDSCAPE
WORK CHECKED BY: DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS CORRECTED BY DATE 2/93
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO — 7521 — REGISTERED — LANDSCAPE ARCHITECT — ROBERT M. MORROW

NO.	REMARKS	BY	DATE
	REVISIONS DESIGN		5/90
			6/90
			8/90

DESIGNED BY ECR/VC
DRAWN BY RMT
CHECKED BY ECR

26 27462893

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PHIL CHACON PARK PHASE I & II
FOUNTAIN CONSTRUCTION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.					
Utility Dev.	R.W. Kane	9-17-90			
Parks	D. Serna	9-5-90			

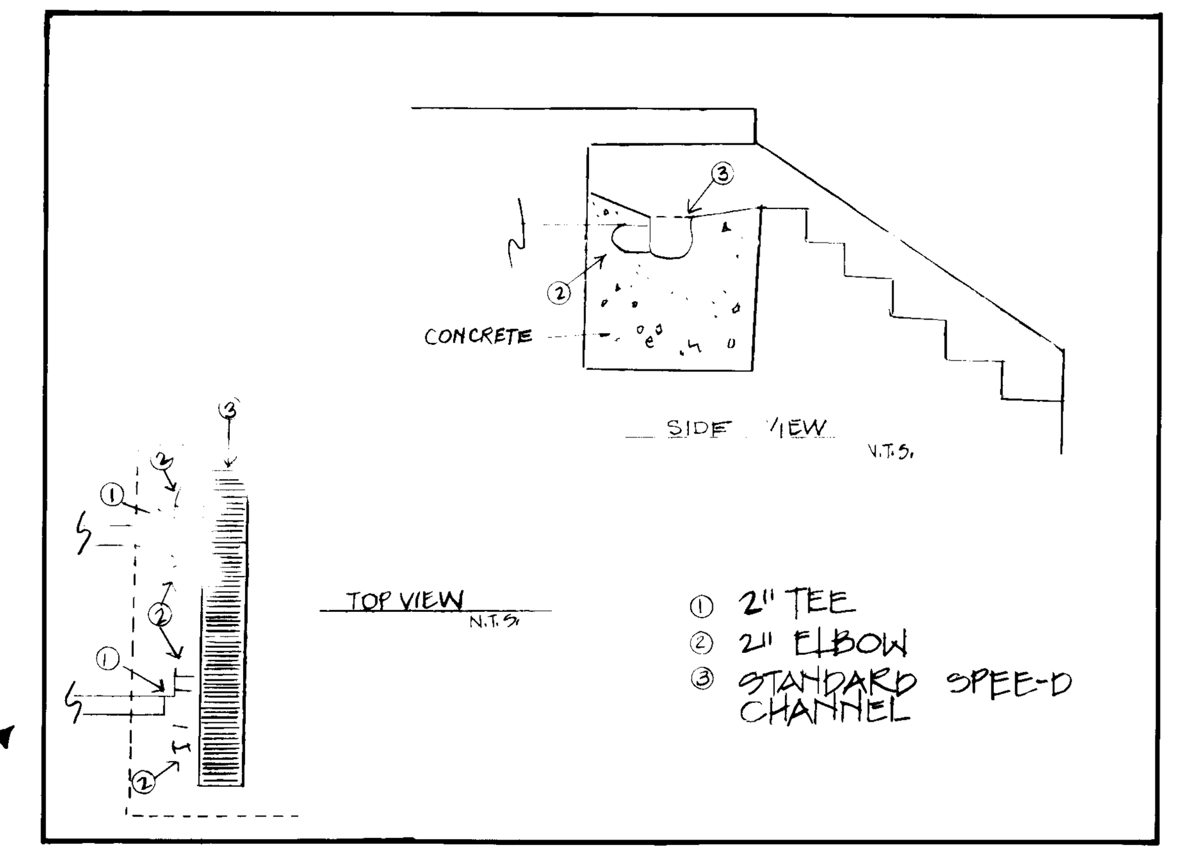
DRAWING NO. 2746 | MAP NO. L-19 | SHEET 28 OF 29

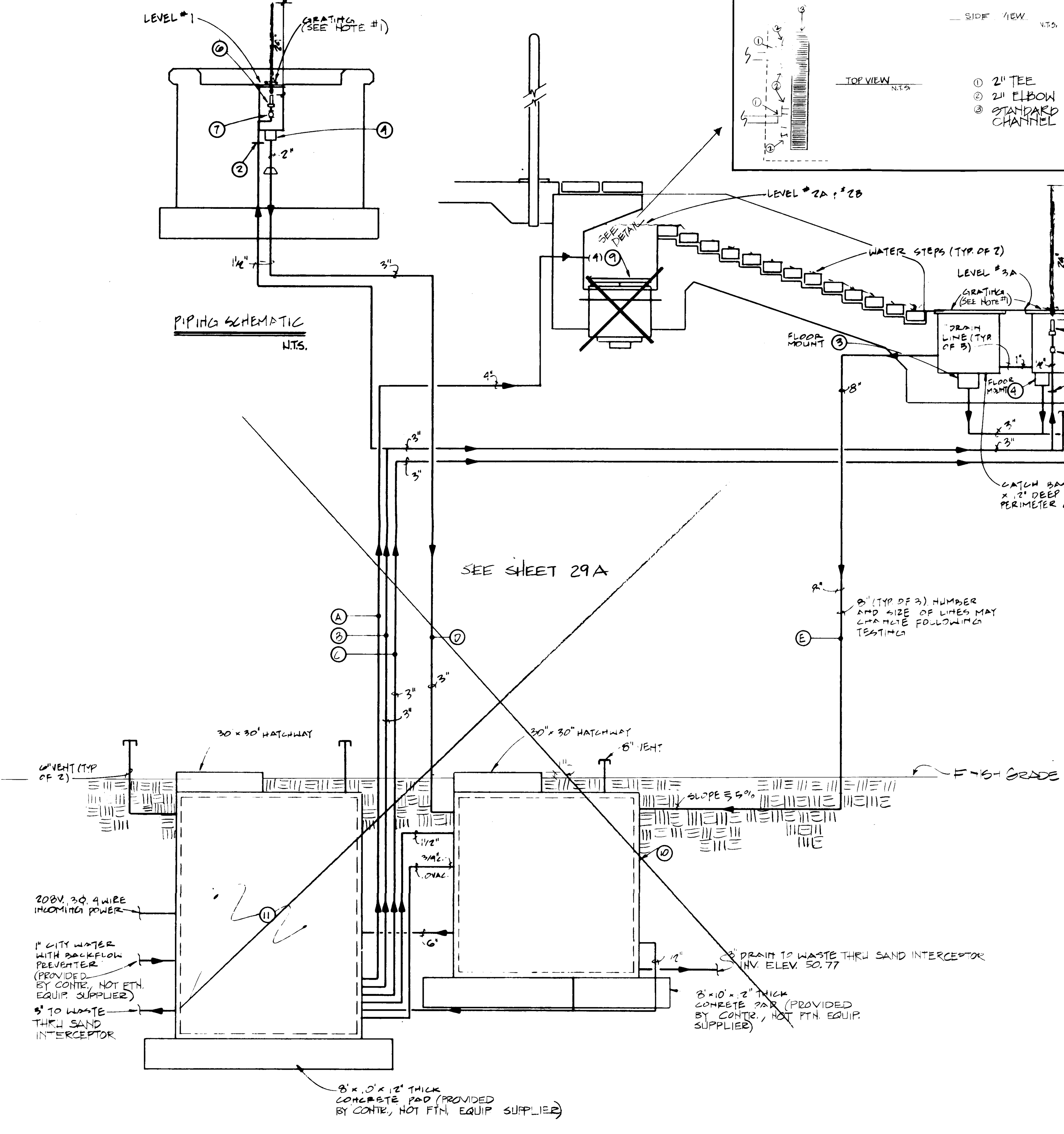
133495

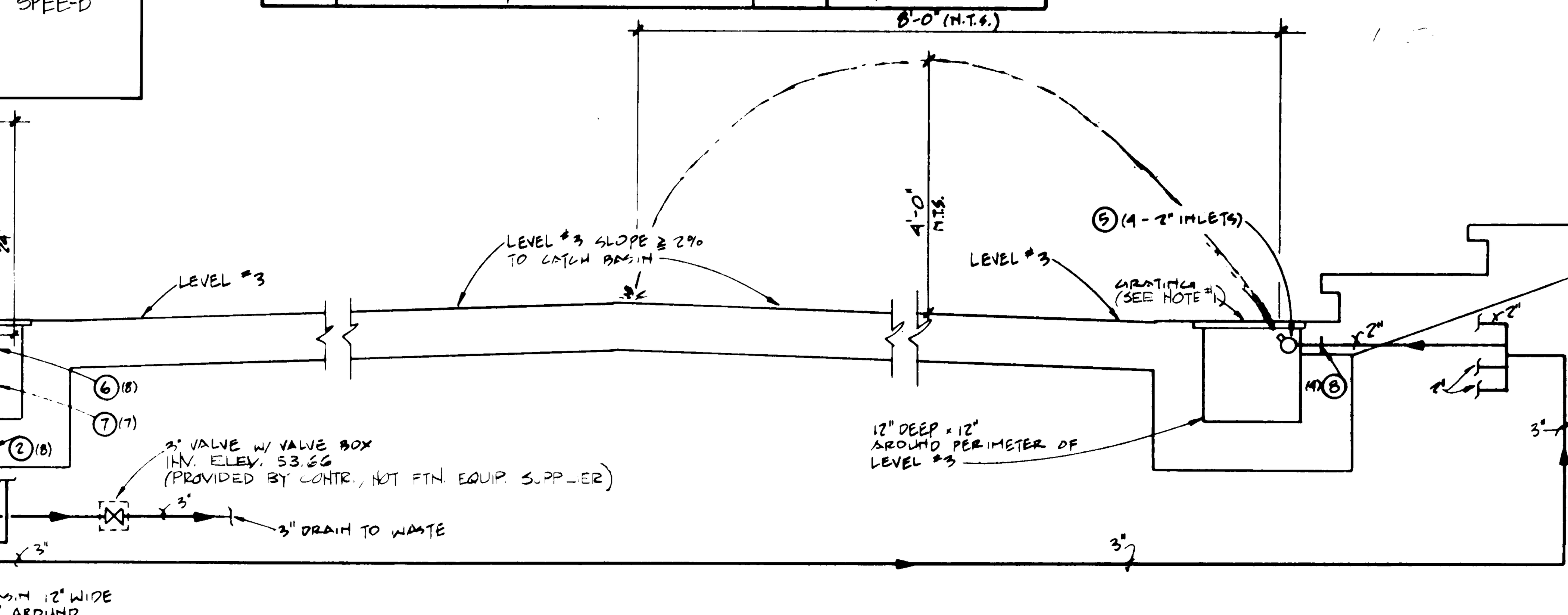
EQUIPMENT LIST			
ITEM	DESCRIPTION	QTY.	MODEL NUMBER
1	NOT USED		
2	1" POOL SLAB PENETRATION	8	RJBS-100
3	3" SIDEWALL OVERFLOW (FLOOR MOUNT	1	ROVS-300
4	2" SIDEWALL OVERFLOW (FLOOR MOUNT)	2	ROVS-200
5	CUSTOM "U" SHAPED MANIFOLD, 116 NOZZLES	1	CUSTOM
6	CUSTOM DRY AERATOR NOZZLE, 1"	8	RFN-D-100
7	1" BRASS BALL VALVE	8	RBB-150
8	2" POOL SLAB PENETRATION	4	RJBS-200
9	12"Ø ANTI-VORTEX PLATE W/SUMP, 2" INLET	4	RAVS-1200
10	CUSTOM FIBERGLASS WATER TANK	1	RDB-6'x8'x6'
11	DIRECT BURIAL PUMP STATION 6'x8'x8'	1	RDP-SERIES

NOTES:

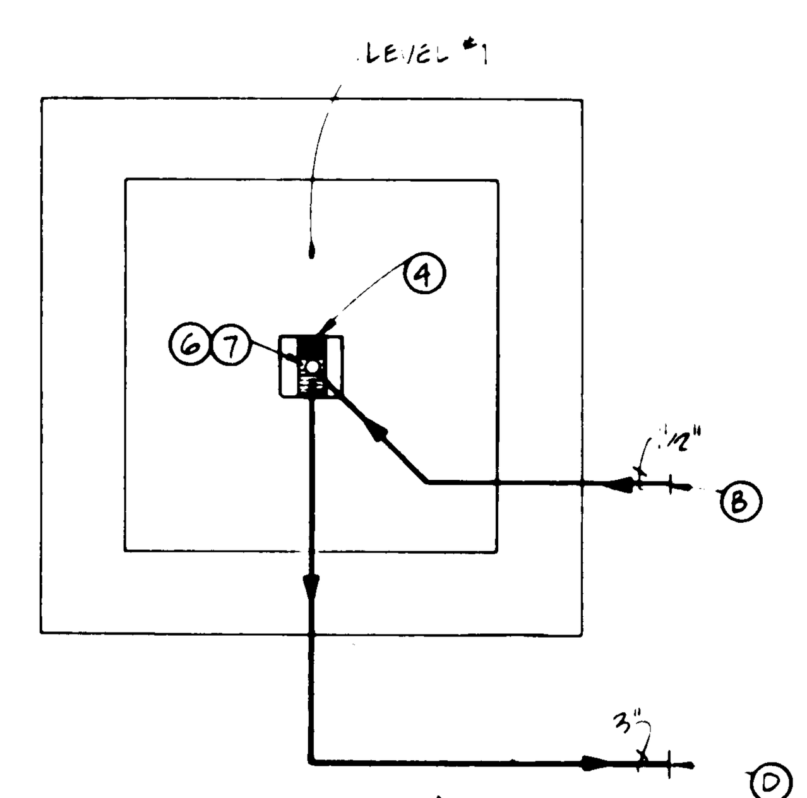
1. GRATING SHALL BE SUPPLIED BY CONTRACTOR, NOT BY FTN. EQUIP. SUPPLIER



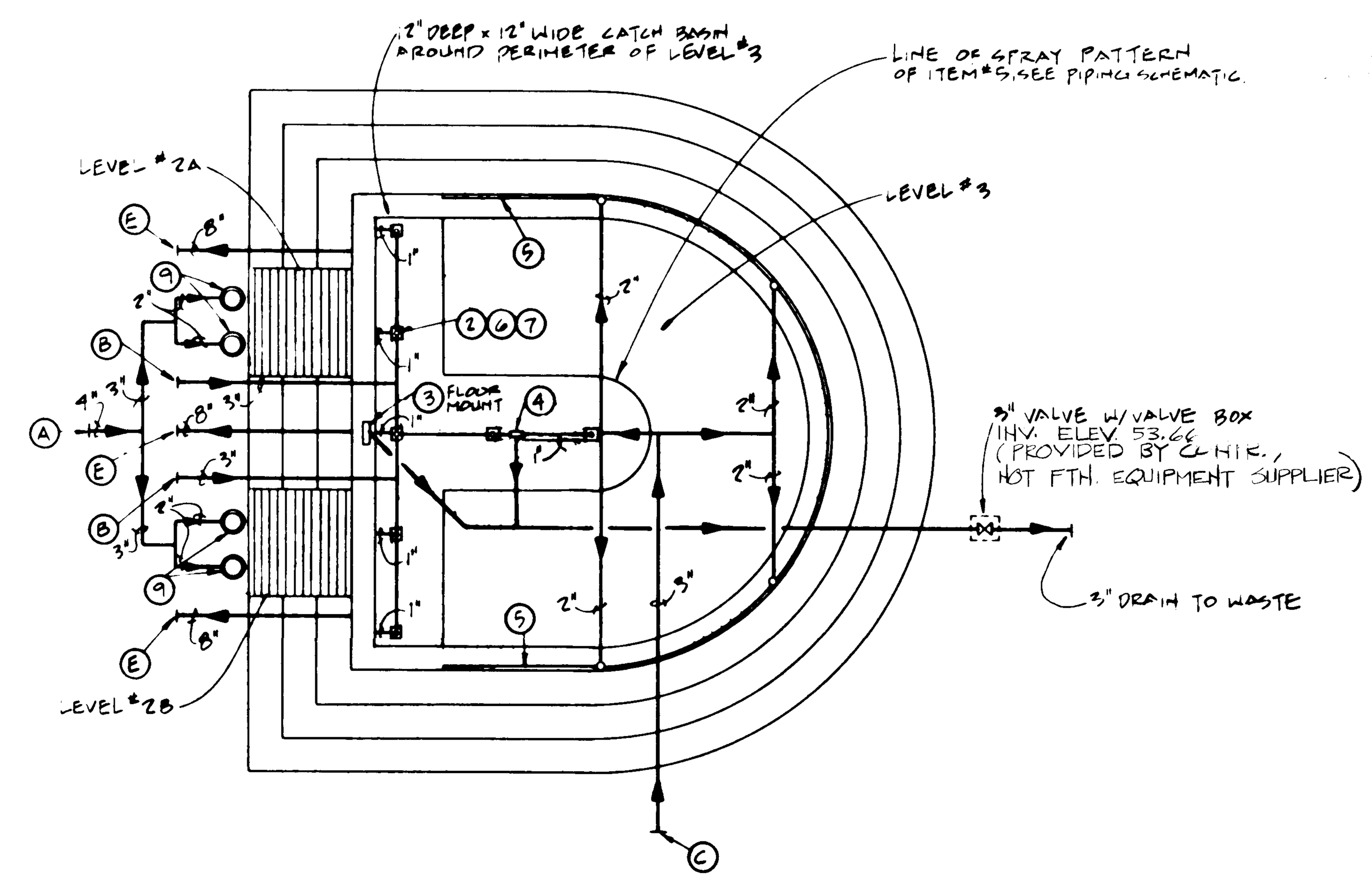




SEE SHEET 29-A FOR AS-BUILT MECHANICAL



FOUNTAIN PLAN
N.T.S.



MAIN FOUNTAIN PLAN
N.T.S.

26 27462993

roman fountains
ALBUQUERQUE, N. M.

PHIL CHACON PARK ENTRY FOUNTAIN
ALBUQUERQUE NEW MEXICO
PIPING SCHEMATICS

DRN BY: RJ CHK BY: CG	SCALE: AS SHOWN	SHEET
REV:	DATE: 3/13/90	1 OF 1

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505 268-2266

AS BUILT INFORMATION
CONTRACTOR ACCENT LANDSCAPE
WORK STAKED BY DATE:
INSPECTORS APPROVAL DATE:
FIELD VERIFICATION BY DATE:
DRAWING CORRECTED BY SL DATE: 2/93
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARK

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
(Seal: STATE OF NEW MEXICO, BAKER H. MORROW, NO. 2, REGISTERED LANDSCAPE ARCHITECT, 5/11/90)

NO.	DATE	REVISIONS / REMARKS	BY

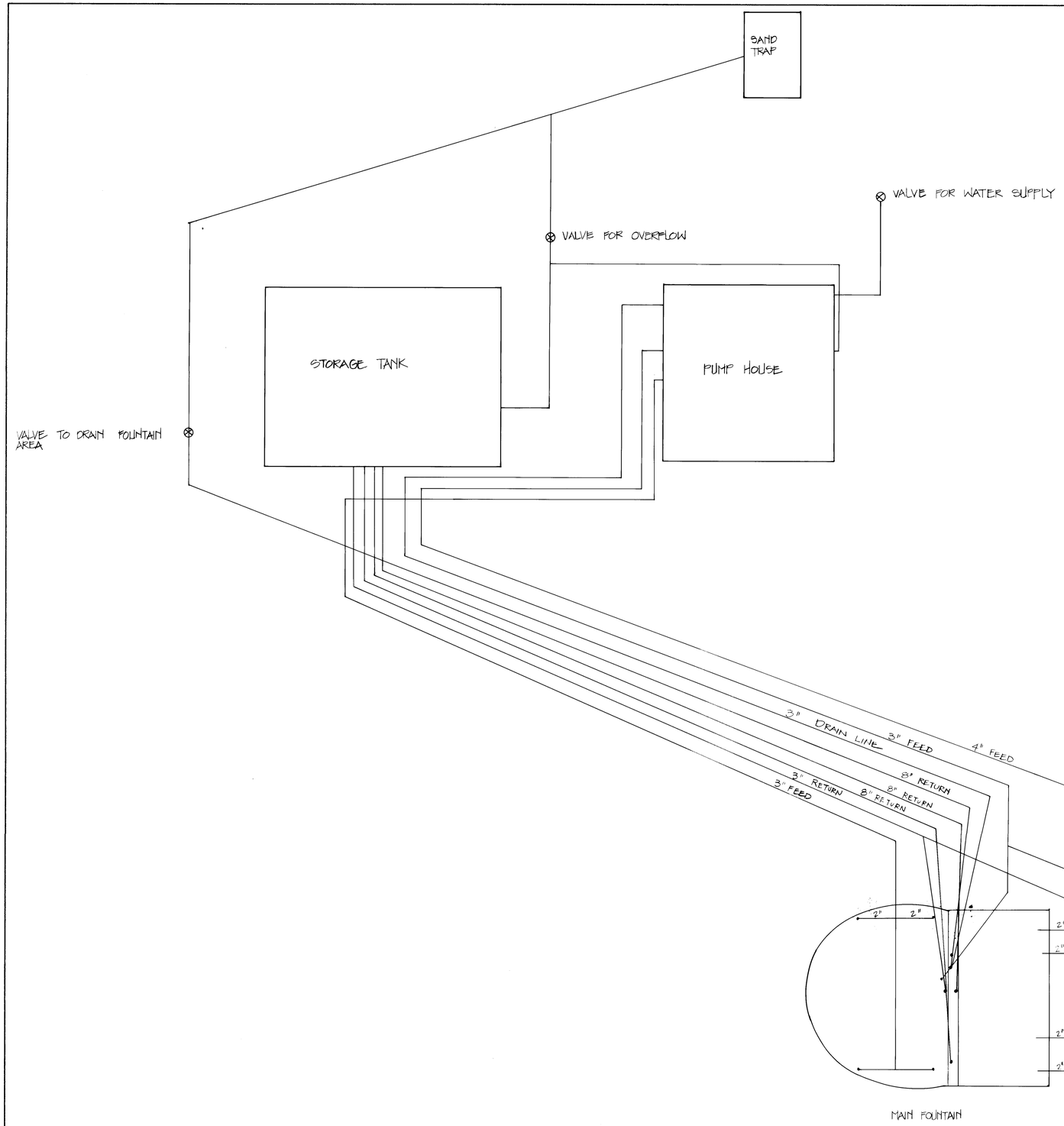
DESIGNED BY: CG DATE: 5/11/90
DRAWN BY: RJ DATE: 5/11/90
CHECKED BY: CG DATE: 5/11/90

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: PHIL CHACON PARK PHASES I & II
FOUNTAIN MECHANICAL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	R.W. Kane	9-17-90
TRANSPORTATION	[illegible]	[illegible]	WASTE WATER	R.W. Kane	9-17-90
HYDROLOGY	N/A	9/11/90			
Parks	N/A	9/5/90			

PROJECT NO. 2746 | MAP NO. L-19 | SHEET 29 OF 29



26 274629A93

AS BUILT INFORMATION

CONTRACTOR ACCENT LANDSCAPE

WORK STAKED BY — DATE

FIELD INSPECTIONS BY — DATE

FIELD VERIFICATION BY — DATE

DRAWINGS CORRECTED BY SL DATE 2/93

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		DATE
			DESIGNED BY
			DRAWN BY
			CHECKED BY

MORROW & COMPANY
LANDSCAPE ARCHITECTS
210 La Veta Drive NE
Albuquerque, New Mexico 87108
505-268-2266

romero fountains
ALBUQUERQUE, N. M.

PHIL CHACON PARK ENTRY FOUNTAIN
ALBUQUERQUE NEW MEXICO
PIPING SCHEMATICS

DRN BY: RJ CHK BY: CG	SCALE: AS SHOWN	SHEET 1 OF 1
REV:	DATE: 3/15/90	

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: PHIL CHACON PARK PHASES I & II
FOUNTAIN MECHANICAL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Waste Water		
Hydrology					

PROJECT NO.	MAP NO.	SHEET OF
2746	L-19	29A 29

136243