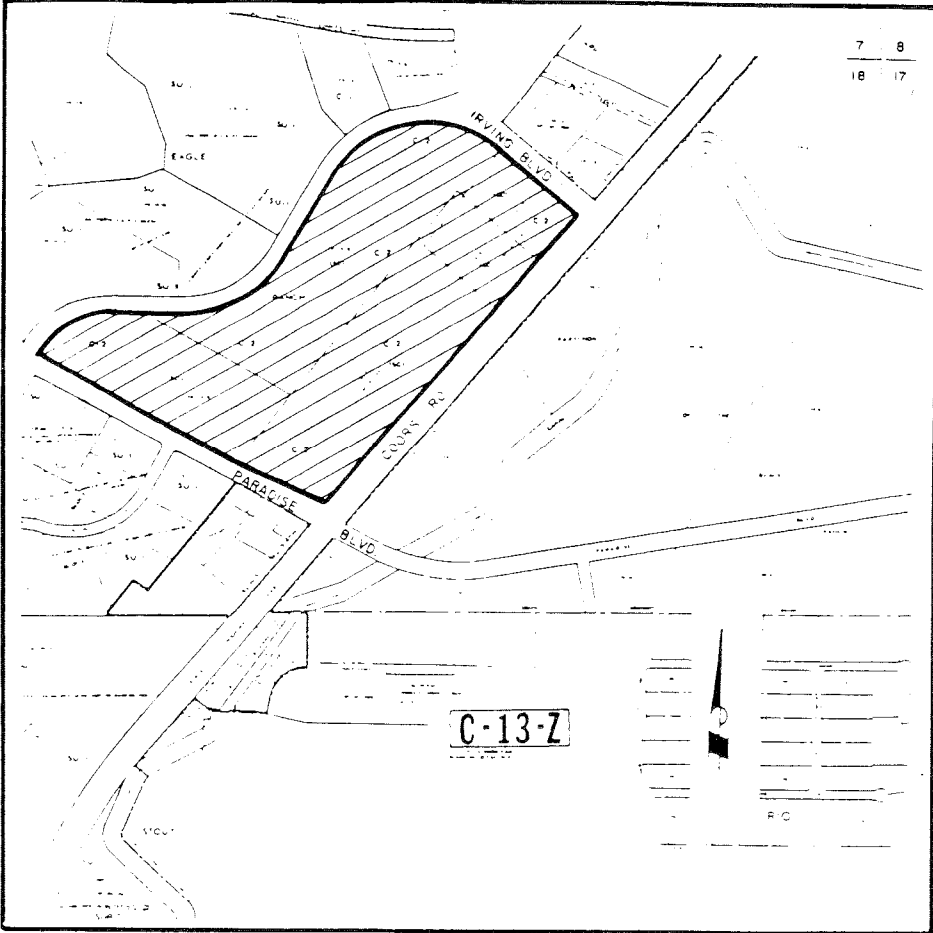


CONSTRUCTION PLANS
FOR
PHASE I
MARKET CENTER WEST
SITE UTILITY EXTENSIONS
ALBUQUERQUE, NEW MEXICO

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PLAT
3	WATER DISTRIBUTION AND SANITARY SEWER LAYOUT SHEET
4-6	WATERLINE "A" PLAN AND PROFILE SHEETS
7-9	WATERLINE "C" PLAN AND PROFILE SHEETS
10	WATERLINE "D" AND STORM DRAIN LINE "A"
11-12	SANITARY SEWER LINE "A" PLAN AND PROFILE SHEETS
13	SANITARY SEWER LINE "B" WATERLINE "B" AND STORM DRAIN LINE "B" PLAN AND PROFILE SHEET
14	DETAIL SHEET



VICINITY MAP
NOT TO SCALE

GENERAL NOTES

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION, 1985 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 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 ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CONSTRUCTION AFFECTING EXISTING WATER AND SEWER FACILITIES.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

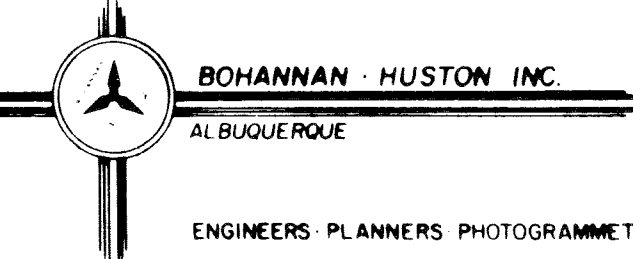
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

ALL "AS-BUILT" INFORMATION ON THIS SHEET WAS PROVIDED BY WALKER SURVEYING COMPANY. BOHANNAN-HUSTON, INC. IS NOT RESPONSIBLE FOR THE ACCURACY OF THE AS-BUILT INFORMATION PROVIDED ON THIS SHEET.

Rich Sullivan
5/24/90

5-24-90

REV	SHEETS	FOR CITY ENGINEER	DATE	N.M. UTILITIES	DATE	USER	DEPT.	DATE
1	3, 5, 6, 8, 13	Roger A. Hannon	7-11-89		7-11-89	CKD-PB		7-11-89
2	3, 7, 8, 10, 11	Roger A. Hannon	7-11-89		7-11-89	CKD-W/W		7-11-89



David R. Davis
5/24/90

PROJECT NUMBER
3825

APPROVED FOR
CONSTRUCTION

C.E.

SHEET 1 OF 14

8866356

FACTS 1 & 1-1

TRACTS 1 & L-1
PARADISE HILLS INDUSTRIAL PARK

AND
TRACTS 2 - A & 2 - B

EAGLE RANCH

C37 MARKET CENTRE WEST
12
NOW COMPRISING
1, D'HAUVERGUE NEW MEXICO

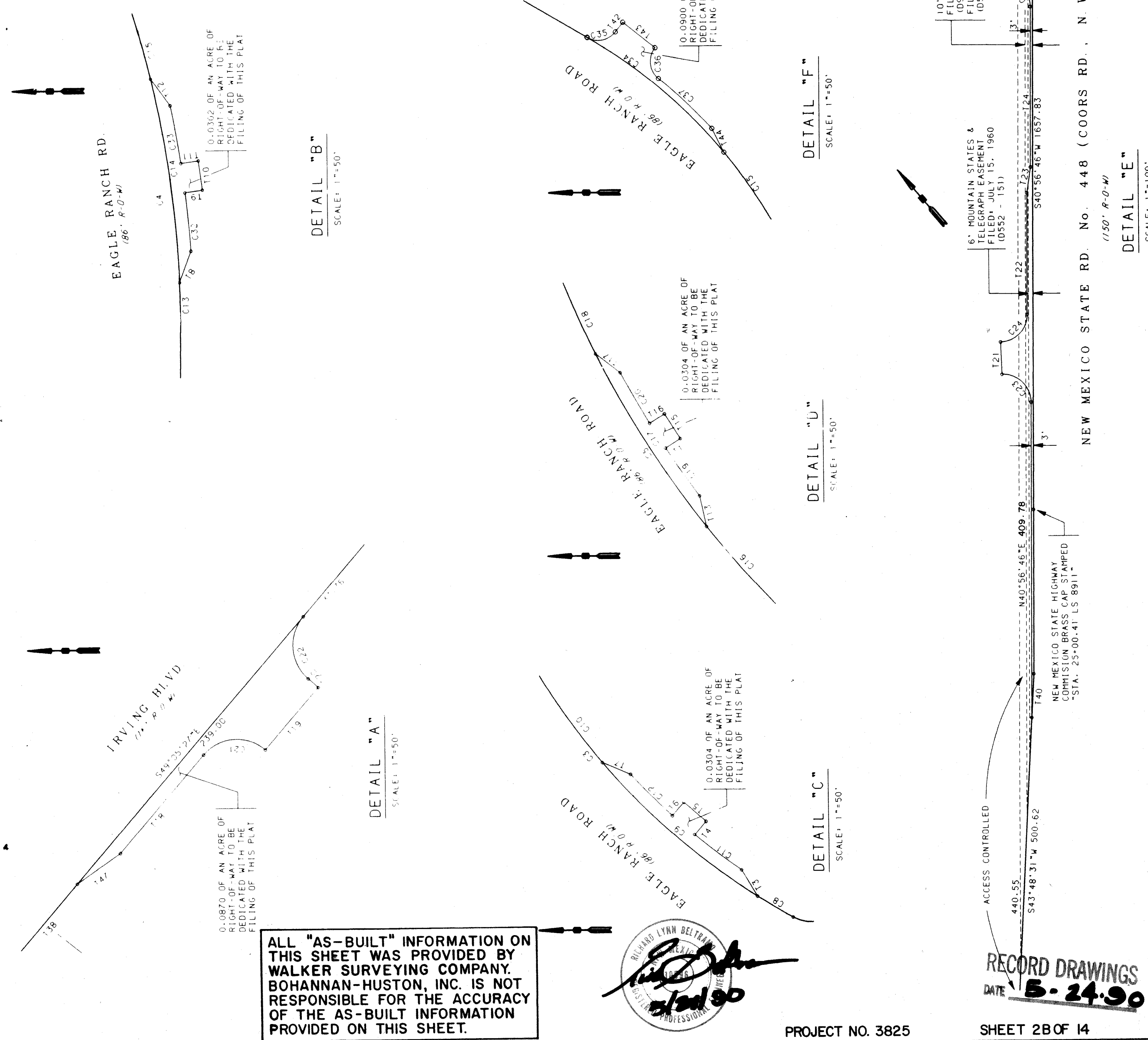
ERQUE, NEW M
FEBRUARY 1988

CURVE DATA

NUMBER	APC	RADIUS	DELTA	CHORD	CHORD BEARING	TANGENT
C1	102.17	197.00	29.42° 56'	101.03	355° 48' 15.7"	52.26
C2	139.27	25.00	90° 00' 00"	100.00	355° 48' 15.7"	52.26
C3	139.27	25.00	90° 00' 00"	475.16	359° 49' 49.7"	376.35
C4	734.80	688.00	60° 31' 53"	691.66	N60° 31' 53"	400.11
C5	634.55	664.03	55° 31' 53"	618.75	N57° 56' 53.52"	349.38
C6	498.24	531.08	90° 02' 01"	495.30	S04° 02' 01"	245.02
C7	28.23	465.15	3° 18' 41"	38.23	N30° 50' 33.7"	25.01
C8	130.40	448.15	17° 14' 55"	139.47	N41° 12' 55"	170.52
C9	340.47	452.15	4° 31' 31"	339.99	N47° 16' 13.5"	26.01
C10	400.00	456.05	5° 01' 31"	399.99	N49° 48' 58.20"	26.01
C11	259.69	688.00	21° 37' 36"	268.15	N73° 35' 05.5"	131.41
C12	140.00	688.00	90° 00' 00"	268.15	N73° 35' 05.5"	131.41
C13	259.69	688.00	68° 39' 56"	79.99	N53° 35' 34.0"	40.06
C14	248.58	664.03	2° 26' 55"	247.13	N40° 54' 24.9"	125.76
C15	140.00	664.03	12° 04' 48"	339.94	N24° 50' 00.0"	120.68
C16	240.00	655.03	2° 29' 56"	239.94	N55° 02' 54.9"	20.01
C17	400.00	655.03	3° 24' 56"	399.94	N60° 17' 47.9"	20.01
C18	400.00	900.00	90° 00' 00"	400.00	N60° 17' 47.9"	20.01
C19	91.23	38.00	92° 4' 55"	45.86	N85° 54' 33.0"	30.00
C20	58.09	38.00	87° 4' 05"	54.86	N85° 15' 41.4"	39.64
C21	61.29	38.00	92° 4' 55"	52.60	N84° 44' 19.9"	36.43
C22	61.29	38.00	92° 4' 55"	52.60	N85° 15' 41.4"	36.43
C23	58.09	38.00	92° 4' 55"	54.86	N85° 15' 41.4"	39.64
C24	58.09	38.00	87° 4' 05"	52.60	N84° 44' 19.9"	36.43
C25	133.57	85.00	90° 00' 00"	131.85	N85° 43' 00.0"	46.03
C26	121.29	631.08	1° 56' 60"	21.29	S00° 02' 23.2"	10.65
C27	631.08	1° 56' 60"	31° 17' 39"	39.99	S85° 33' 14.4"	20.01
C28	697.00	31° 17' 39"	31° 17' 39"	39.99	S85° 33' 14.4"	20.01
C29	400.00	686.00	20° 4' 15"	243.78	S10° 38' 34.9"	25.92
C30	400.00	686.00	20° 4' 15"	243.78	S10° 38' 34.9"	25.92
C31	35.15	30.00	81° 14' 11"	35.15	N81° 14' 50.9"	59.99
C32	35.15	30.00	81° 14' 11"	35.15	N81° 14' 50.9"	59.99
C33	42.75	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C34	42.75	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C35	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C36	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C37	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C38	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C39	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C40	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C41	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C42	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C43	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C44	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C45	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C46	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07
C47	46.64	30.00	58° 16' 47"	228.37	N61° 14' 50.9"	429.07

TANGENT DATA

NUMBER	BEARING	DISTANCE	NUMBER	BEARING	DISTANCE
11	N60°52'41"W	240.68	127	N40°56'48"E	52.23
13	N65°17'48"E	200.87	128	N40°56'48"E	52.23
14	N65°17'48"E	200.87	129	N40°56'48"E	52.23
15	S48°47'40"E	12.00	130	N40°56'48"E	52.23
16	N41°12'58"E	22.00	131	N40°56'48"E	52.00
17	N2°06'55"E	20.87	132	S49°03'14"E	12.00
18	N68°31'37"W	22.64	133	N40°56'48"E	52.00
19	N68°31'37"W	22.64	134	N40°56'48"E	52.00
20	N68°31'37"W	22.64	135	N40°56'48"E	52.00
21	S25°04'46"E	20.00	136	N38°36'19"E	60.23
22	S25°04'46"E	20.00	137	N40°56'48"E	60.23
23	S34°42'08"W	22.64	138	N40°56'48"E	60.23
24	S34°42'08"W	22.64	139	N40°56'48"E	60.23
25	S34°42'08"W	22.64	140	S49°05'27"E	68.64
26	S34°42'08"W	22.64	141	S49°05'27"E	68.64
27	S34°42'08"W	22.64	142	S49°05'27"E	68.64
28	S34°42'08"W	22.64	143	S49°05'27"E	68.64
29	S34°42'08"W	22.64	144	S49°05'27"E	68.64
30	S34°42'08"W	22.64	145	S49°05'27"E	68.64
31	S34°42'08"W	22.64	146	S49°05'27"E	68.64
32	S34°42'08"W	22.64	147	S49°05'27"E	68.64
33	S34°42'08"W	22.64	148	S49°05'27"E	68.64
34	S34°42'08"W	22.64	149	S49°05'27"E	68.64
35	S34°42'08"W	22.64	150	S49°05'27"E	68.64
36	S34°42'08"W	22.64	151	S49°05'27"E	68.64
37	S34°42'08"W	22.64	152	S49°05'27"E	68.64
38	S34°42'08"W	22.64	153	S49°05'27"E	68.64
39	S34°42'08"W	22.64	154	S49°05'27"E	68.64
40	S34°42'08"W	22.64	155	S49°05'27"E	68.64
41	S34°42'08"W	22.64	156	S49°05'27"E	68.64
42	S34°42'08"W	22.64	157	S49°05'27"E	68.64
43	S34°42'08"W	22.64	158	S49°05'27"E	68.64
44	S34°42'08"W	22.64	159	S49°05'27"E	68.64
45	S34°42'08"W	22.64	160	S49°05'27"E	68.64
46	S34°42'08"W	22.64	161	S49°05'27"E	68.64
47	S34°42'08"W	22.64	162	S49°05'27"E	68.64
48	S34°42'08"W	22.64	163	S49°05'27"E	68.64
49	S34°42'08"W	22.64	164	S49°05'27"E	68.64
50	S34°42'08"W	22.64	165	S49°05'27"E	68.64
51	S34°42'08"W	22.64	166	S49°05'27"E	68.64
52	S34°42'08"W	22.64	167	S49°05'27"E	68.64
53	S34°42'08"W	22.64	168	S49°05'27"E	68.64
54	S34°42'08"W	22.64	169	S49°05'27"E	68.64
55	S34°42'08"W	22.64	170	S49°05'27"E	68.64
56	S34°42'08"W	22.64	171	S49°05'27"E	68.64
57	S34°42'08"W	22.64	172	S49°05'27"E	68.64
58	S34°42'08"W	22.64	173	S49°05'27"E	68.64
59	S34°42'08"W	22.64	174	S49°05'27"E	68.64
60	S34°42'08"W	22.64	175	S49°05'27"E	68.64
61	S34°42'08"W	22.64	176	S49°05'27"E	68.64
62	S34°42'08"W	22.64	177	S49°05'27"E	68.64
63	S34°42'08"W	22.64	178	S49°05'27"E	68.64
64	S34°42'08"W	22.64	179	S49°05'27"E	68.64
65	S34°42'08"W	22.64	180	S49°05'27"E	68.64
66	S34°42'08"W	22.64	181	S49°05'27"E	68.64
67	S34°42'08"W	22.64	182	S49°05'27"E	68.64
68	S34°42'08"W	22.64	183	S49°05'27"E	68.64
69	S34°42'08"W	22.64	184	S49°05'27"E	68.64
70	S34°42'08"W	22.64	185	S49°05'27"E	68.64
71	S34°42'08"W	22.64	186	S49°05'27"E	68.64
72	S34°42'08"W	22.64	187	S49°05'27"E	68.64
73	S34°42'08"W	22.64	188	S49°05'27"E	68.64
74	S34°42'08"W	22.64	189	S49°05'27"E	68.64
75	S34°42'08"W	22.64	190	S49°05'27"E	68.64
76	S34°42'08"W	22.64	191	S49°05'27"E	68.64
77	S34°42'08"W	22.64	192	S49°05'27"E	68.64
78	S34°42'08"W	22.64	193	S49°05'27"E	68.64
79	S34°42'08"W	22.64	194	S49°05'27"E	68.64
80	S34°42'08"W	22.64	195	S49°05'27"E	68.64
81	S34°42'08"W	22.64	196	S49°05'27"E	68.64
82	S34°42'08"W	22.64	197	S49°05'27"E	68.64
83	S34°42'08"W	22.64	198	S49°05'27"E	68.64
84	S34°42'08"W	22.64	199	S49°05'27"E	68.64
85	S34°42'08"W	22.64	200	S49°05'27"E	68.64
86	S34°42'08"W	22.64	201	S49°05'27"E	68.64
87	S34°42'08"W	22.64	202	S49°05'27"E	68.64
88	S34°42'08"W	22.64	203	S49°05'27"E	68.64
89	S34°42'08"W	22.64	204	S49°05'27"E	68.64
90	S34°42'08"W	22.64	205	S49°05'27"E	68.64
91	S34°42'08"W	22.64	206	S49°05'27"E	68.64
92	S34°42'08"W	22.64	207	S49°05'27"E	68.64
93	S34°42'08"W	22.64	208	S49°05'27"E	68.64
94	S34°42'08"W	22.64	209	S49°05'27"E	68.64
95	S34°42'08"W	22.64	210	S49°05'27"E	68.64
96	S34°42'08"W	22.64	211	S49°05'27"E	68.64
97	S34°42'08"W	22.64	212	S49°05'27"E	68.64
98	S34°42'08"W	22.64	213	S49°05'27"E	68.64
99	S34°42'08"W	22.64	214	S49°05'27"E	68.64
100	S34°42'08"W	22.64	215	S49°05'27"E	68.64
101	S34°42'08"W	22.64	216	S49°05'27"E	68.64
102	S34°42'08"W	22.64	217	S49°05'27"E	68.64
103	S34°42'08"W	22.64	218	S49°05'27"E	68.64
104	S34°42'08"W	22.64	219	S49°05'27"E	68.64
105	S34°42'08"W	22.64	220	S49°05'27"E	68.64
106	S34°42'08"W	22.64	221	S49°05'27"E	68.64
107	S34°42'08"W	22.64	222	S49°05'27"E	68.64
108	S34°42'08"W	22.64	223	S49°05'27"E	68.64
109	S34°42'08"W	22.64	224	S49°05'27"E	68.64
110	S34°42'08"W	22.64	225	S49°05'27"E	68.64
111	S34°42'08"W	22.64	226	S49°05'27"E	68.64
112	S34°42'08"W	22.64	227	S49°05'27"E	68.64
113	S34°42'08"W	22.64	228	S49°05'27"E	68.64
114	S34°42'08"W	22.64	229	S49°05'27"E	68.64
115	S34°42'08"W	22.64	230	S49°05'27"E	68.64
116	S34°42'08"W	22.64	231	S49°05'27"E	68.64
117	S34°42'08"W	22.64	232	S49°05'27"E	68.64
118	S34°42'08"W	22.64	233	S49°05'27"E	68.64
119	S34°42'08"W	22.64	234	S49°05'27"E	68.64
120	S34°42'08"W	22.64	235	S49°05'27"E	68.64
121	S34°42'08"W	22.64	236	S49°05'27"E	68.64
122	S34°42'08"W	22.64	237	S49°05'27"E	68.64
123	S34°42'08"W	22.64	238	S49°05'27"E	68.64
124	S34°42'08"W	22.64	239	S49°05'27"E	68.64
125	S34°42'08"W	22.64	240	S49°05'27"E	68.64
126	S34°42'08"W	22.64	241	S49°05'27"E	68.64
127	S34°42'08"W	22.64	242	S49°05'27"E	68.64
128	S34°42'08"W	22.64	243	S49°05'27"E	68.64
129	S34°42'08"W	22.64	244	S49°05'27"E	68.64
130	S34°42'08"W	22.64	245	S49°05'27"E	68.64
131	S34°42'08"W	22.64	246	S49°05'27"E	68.64
132	S34°42'08"W	22.64	247	S49°05'27"E	68.64
133	S34°42'08"W	22.64	248	S49°05'27"E	68.64
134	S34°42'08"W	22.64	249	S49°05'27"E	68.64
135	S34°42'08"W	22.64	250	S49°05'27"E	68.64
136	S34°42'08"W	22.64	251	S49°05'27"E	68.64
137	S34°42'08"W	22.64	252	S49°05'27"E	68.64
138	S34°42'08"W	22.64	253	S49°05'27"E	68.64
139	S34°42'08"W	22.64	254	S49°05'27"E	68.64
140	S34°42'08"W	22.64	255	S49°05'27"E	68.64
141	S34°42'08"W	22.64	256	S49°05'27"E	68.64
142	S34°42'08"W	22.64	257	S49°05'27"E	68.64
143	S34°42'08"W	22.64	258	S49°05'27"E	68.64
144	S34°42'08"W	22.64	259	S49°05'27"E	68.64
145	S34°42'08"W	22.64	260	S49°05'27"E	68.64
146	S34°42'08"W	22.64	261	S49°05'27"E	68.64
147	S34°42'08"W	22.64	262	S49°05'27"E	68.64
148	S34°42'08"W	22.64	263	S49°05'27"E	68.64
149	S34°42'08"W	22.64	264	S49°05'27"E	68.64
150	S34°42'08"W	22.64	265	S49°05'27"E	68.64
151	S34°42'08"W	22.64	266	S49°05'27"E	68.64
152	S34°42'08"W	22.64	267	S49°05'27"E	68.64
153	S34°42'08"W	22.64	268	S49°05'27"E	68.64
154	S34°42'08"W	22.64	269	S49°05'27"E	68.64
155	S34°42'08"W	22.64	270	S49°05'27"E	68.64
156	S34°42'08"W	22.64	271	S49°05'27"E	68.64
157	S34°42'08"W	22.64	272	S49°05'27"E	68.64
158	S34°42'08"W	22.64	273	S49°05'27"E	68.64
159	S34°42'08"W	22.64	274	S49°05'27"E	68.64
160	S34°42'08"W	22.64	275	S49°05'27"E	68.64
161	S34°42'08"W	22.64	276	S49°05'27"E	68.64
162	S34°42'08"W	22.64	277	S49°05'27"E	68.64
163	S34°42'08"W	22.64	278	S49°05'27"E	68.64
164	S34°42'08"W	22.64	279	S49°05'27"E	68.64
165	S34°42'08"W	22.64	280	S49°05'27"E	68.64
166	S34°42'08"W	22.64	281	S49°05'27"E	68.64
167	S34°42'08"W	22.64	282	S49°05'27"E	68.64
168	S34°42'08"W	22.64	283	S49°05'27"E	68.64
169	S34°42'08"W	22.64	284	S49°05'27"E	68.64
170	S34°42'08"W	22.64	285	S49°05'27"E	68.64
171	S34°42'08"W	22.64	286	S49°05'27"E	68.64
172	S34°42'08"W	22.64	287	S49°05'27"E	68.64
173	S34°42'08"W	22.64	288	S49°05'27"E	68.64
174	S34°42'08"W	22.64	289	S49°05'27"E	68.64
175	S34°42'08"W	22.64	290	S49°05'27"E	68.64
176	S34°42'08"W	22.64	291	S49°05'27"E	68.64
177	S34°42'08"W	22.64	292	S49°05'27"E	68.64
178	S34°42'08"W	22.64	293	S49°05'27"E	68.64
179	S34°42'08"W	22.64	294	S49°05'27"E	68.64
180	S34°42'08"W	22.64	295	S49°05'27"E	68.64
181	S34°42'08"W	22.64	296	S49°05'27"E	68.64
182	S34°42'08"W	22.64	297	S49°05'27"E	68.64
183	S34°42'08"W	22.64	298	S49°05'27"E	68.64
184	S34°42'08"W	22.64	299	S49°05'27"E	68.64
185	S34°42'08"W	22.64	300	S49°05'27"E	68.64
186	S34°42'08"W	22.64	301	S49°05'27"E	68.64
187	S34°42'08"W	22.64	302	S49°05'27"E	68.64
188	S34°42'08"W	22.64	303	S49°05'27"E	68.64
189	S34°42'08"W	22.64	304	S49°05'27"E	68.64
190	S34°42'08"W	22.64	305	S49°05'27"E	68.64
191	S34°42'08"W	22.64	306	S49°05'27"E	68.64
192	S34°42'08"W	22.64	307	S49°05'27"E	68.64
193	S34°42'08"W	22.64	308	S49°05'27"E	68.64
194	S34°42'08"W	22.64	309	S49°0	

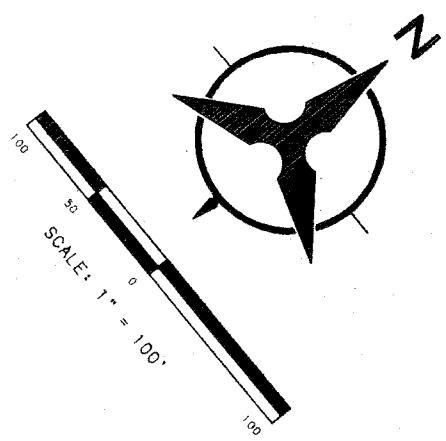
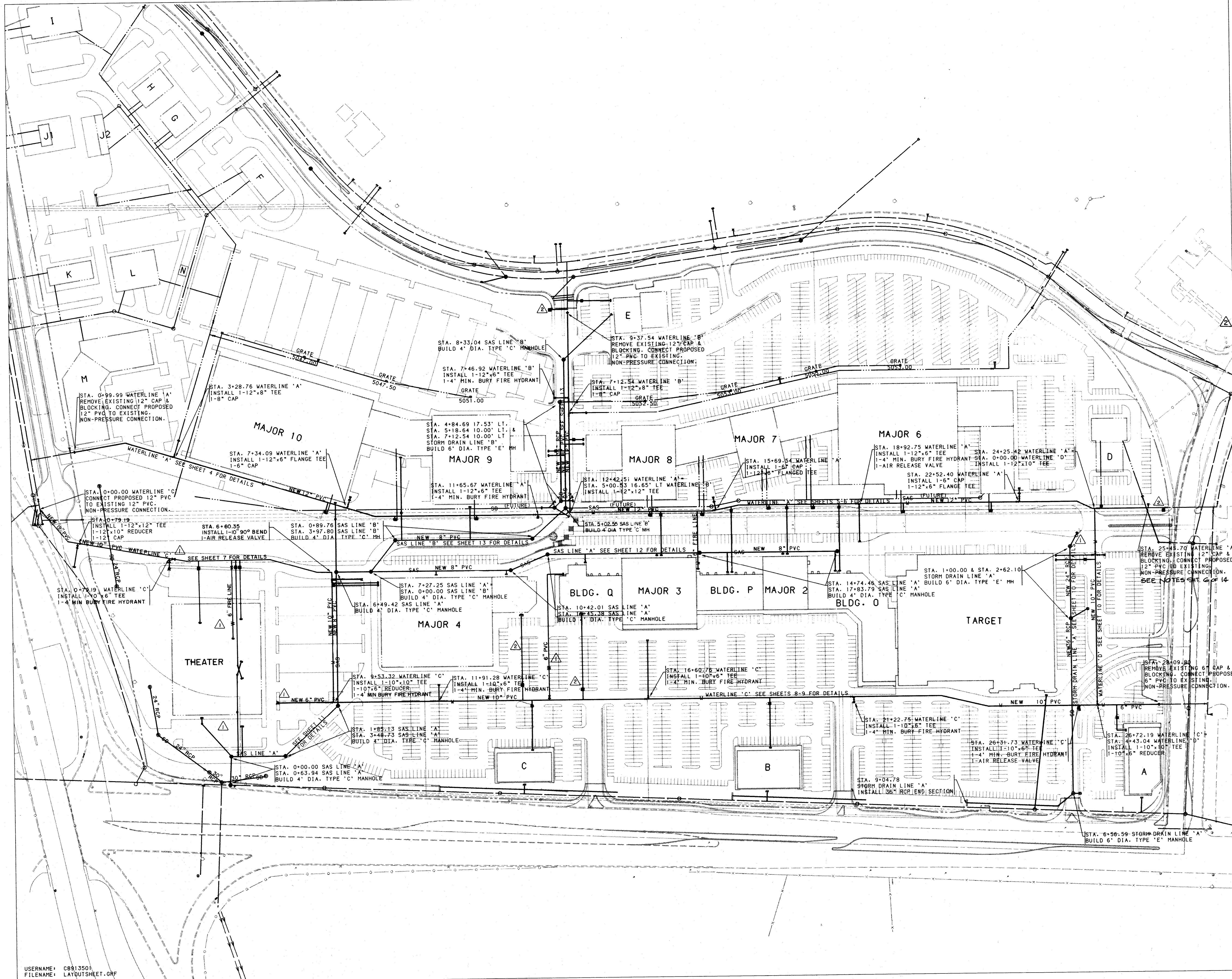


DEDICATED WITH THE
FILING OF THIS PLAY

SHEET 3 OF 3 SHEETS

C37-12

JOB NO. 8742902



NOTES

1. CONSTRUCTION WITHIN THE PARADISE BLVD. RIGHT-OF-WAY SHALL BE DONE ON A SATURDAY WITH TWO WEEKS PRIOR NOTICE REQUIRED.
2. THE CONCRETE COLLAR FOR ALL VALVE BOX 'S' WILL BE BUILT BY THE PAVING CONTRACTOR.
3. VALVE BOX LIDS FOR FIRE LINES AND FOR FIRE HYDRANTS SHALL HAVE SPECIAL CASTING IDENTIFYING A FIRE LINE ON THE LID AS PER C.O.A. STD. DETAIL 2328.
4. THE MAXIMUM DEFLECTION PER JOINT FOR VERTICAL CURVES ON WATER LINES SHALL BE 0.39"/JOINT FOR 10" PVC AND 0.32"/JOINT FOR 12" PVC.

BENCH MARKS		AS BUILT INFORMATION	
USC & GS BRASS TABLE "R" ALAMEDA A-3" NEW MEXICO	DATE	STATE PLANE COORDINATES (CENTRAL ZONE)	
X = 377,094.67 Y = 1,523,108.34	BY	GROUND TO GRID FACTOR = 0.99967685	
A 00+ 00' 14' 13"		ELEV. = 5027.05	
MICRO-FILM INFORMATION			

SURVEY INFORMATION		FIELD NOTES	
NO.	DATE	NO.	DATE

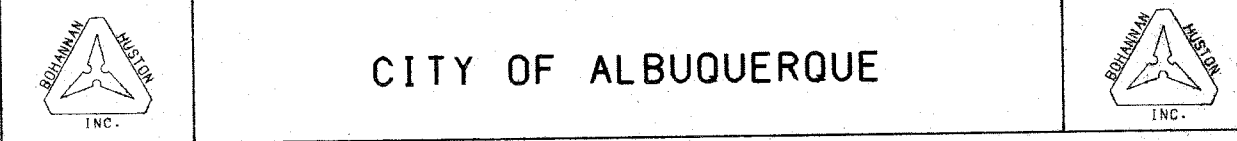
ENGINEER'S SEAL		REVISIONS	
KLD	DATE	BY	DATE
KLD	4/89		
	4/89		
	4/89		

Robert B. Smith
5/24/90
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 10732

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RECORD DRAWINGS
DATE: 5-24-90

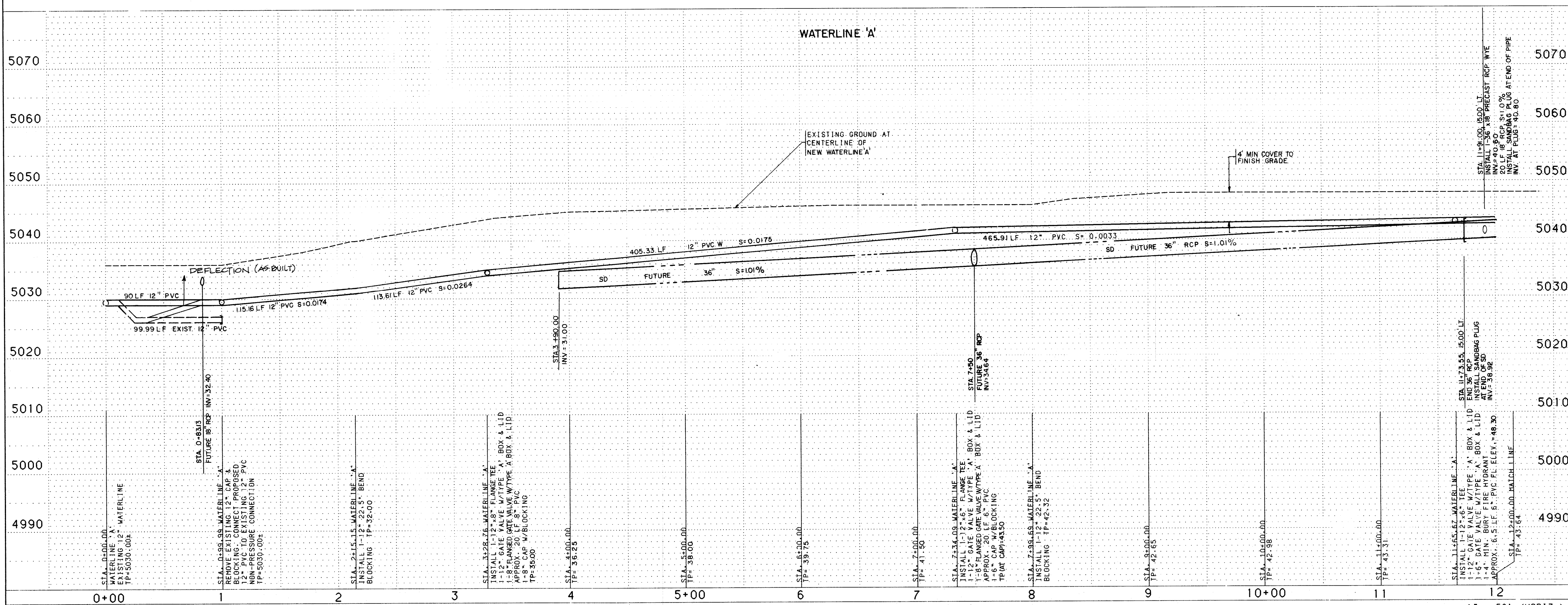
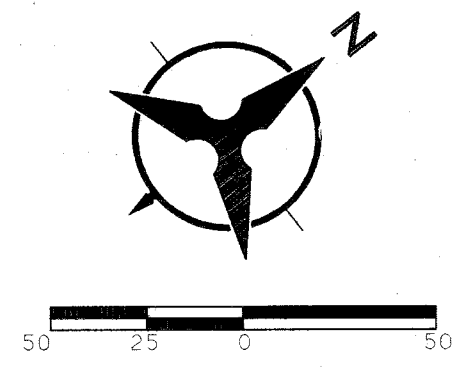
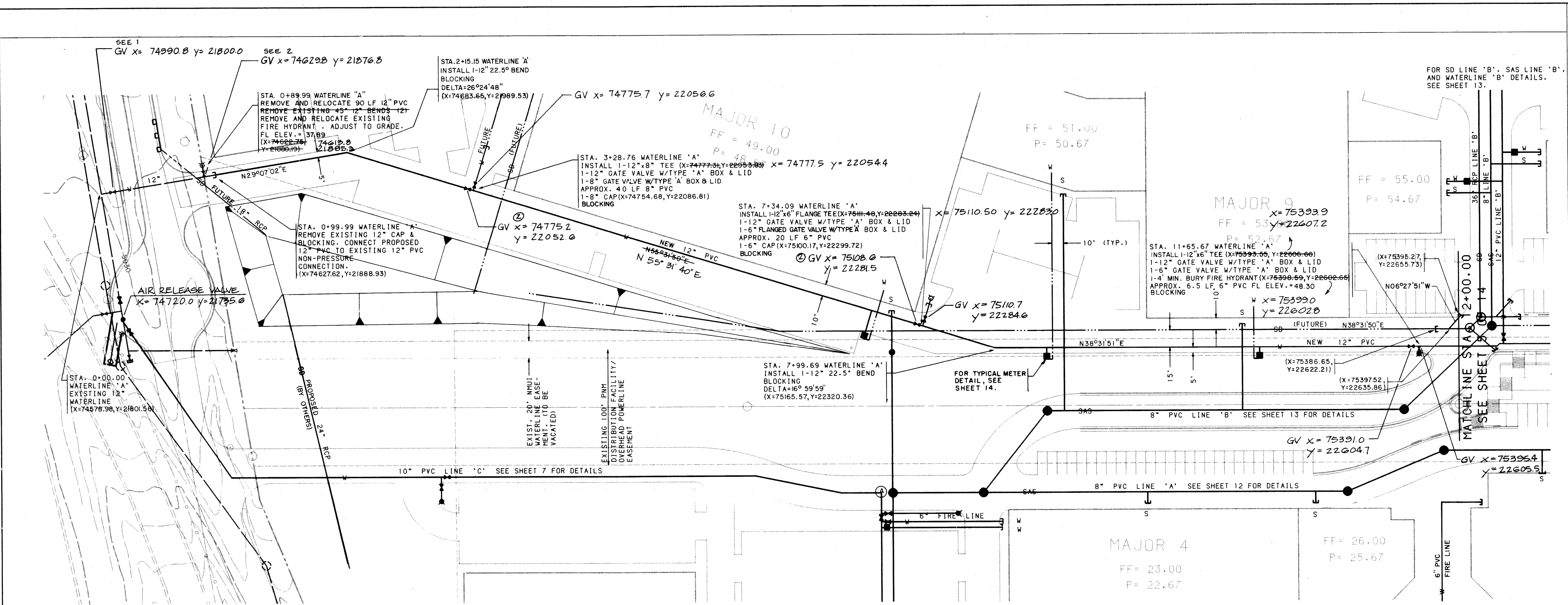
BHT JOB NO. 89135.01



**MARKET CENTER WEST SITE UTILITY EXTENSIONS
WATER DISTRIBUTION AND SANITARY SEWER LAYOUT**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Roy A. Nunez	4/89	Liquid Waste	ckd. Peto	6/2/89
A.C.E.-Design			Traffic		
A.C.E.-Hydrology	N/A		Water	ckd. Peto	6/2/89
			N.M. Utilities		

DRAWING NO. 3825 MAP NO. C-13 SHEET 3 OF 14



WATERLINE STATION	WL TYPE	WL SIZE	WL LGTH.	
6+88.17 RT. SINGL.	2"	15'	MAJOR 10	
8+44.08 RT. SINGL.	1"	15'	SHOPS	
10+28.02 RT. SINGL.	1.5"	15'	MAJOR 9	

* SEE METER DETAIL SHEET 14



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RECORD
DATE 5-24-90

BHI JOB NO. 89135-01

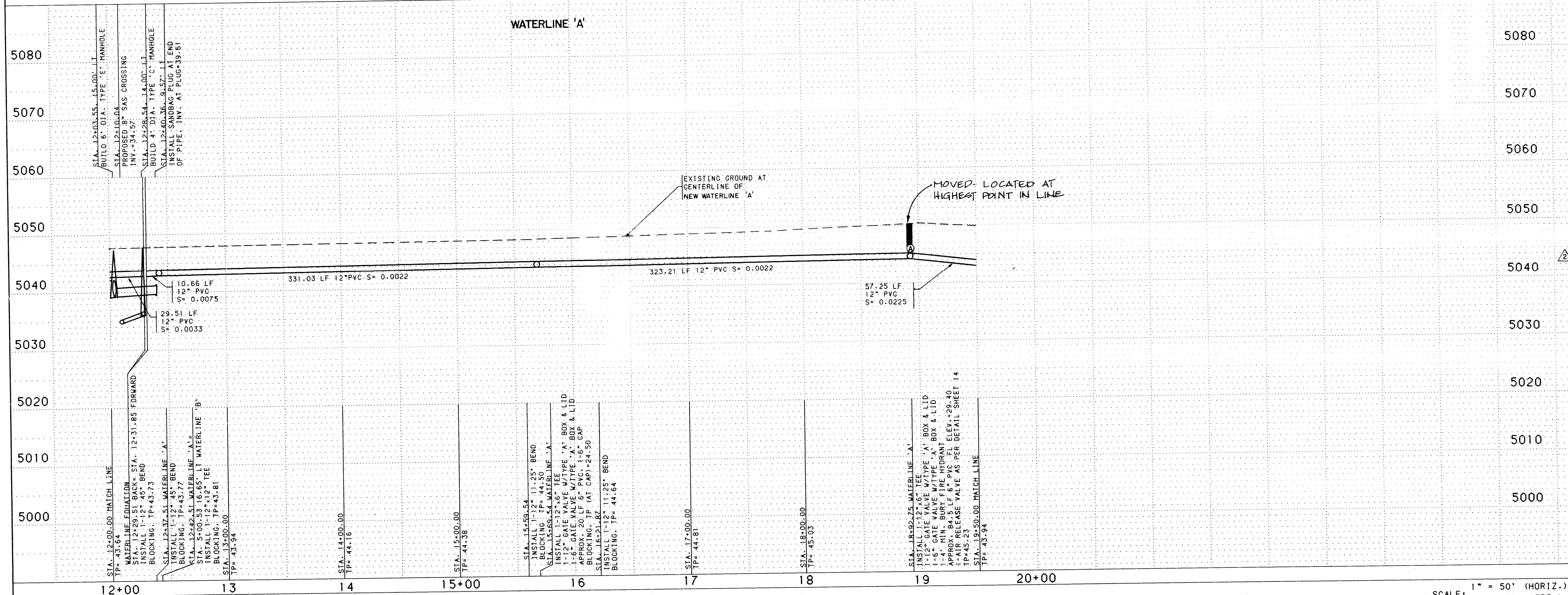
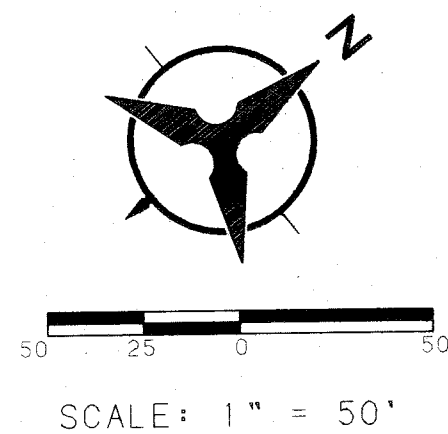
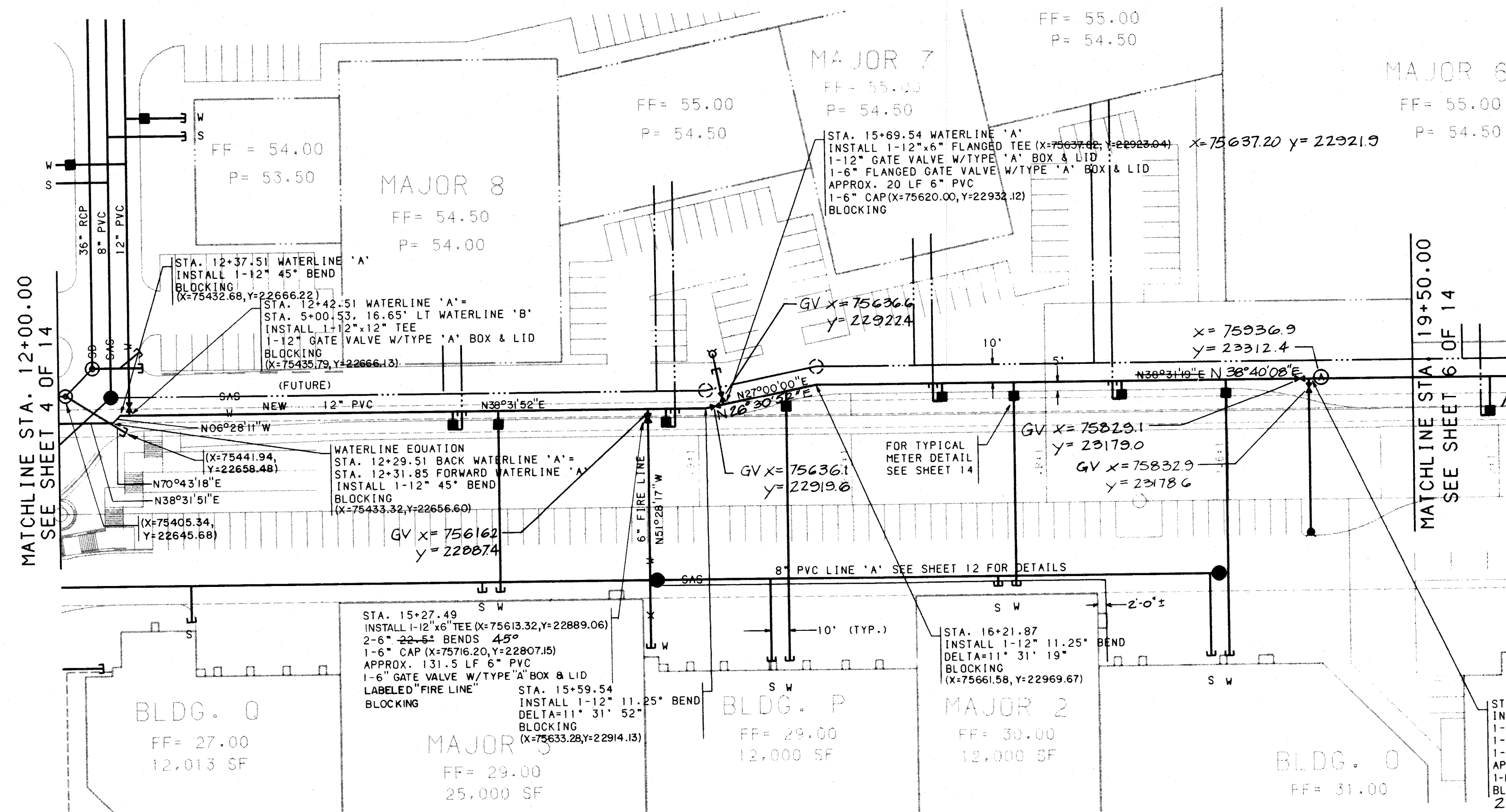
CITY OF ALBUQUERQUE

MARKET CENTER WEST SITE UTILITY EXTENSIONS
WATERLINE 'A'

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Robert R. Smith	4/5/90	Liquid Waste	CKA PEGO	6/2/89
A.C.E.-Design			Traffic	N/A	
A.C.E.-Hydrology	N/A		Water	CKA PEGO	6/2/89
			N.M. Utilities	John A. Smith	6/2/89

DRAWING NO. 3825 MAP NO. C-13 SHEET 4 OF 14

FOR STORM DRAIN LINE 'B', SAS LINE 'B',
AND WATERLINE 'B' DETAILS.
SEE SHEET 13.



USERNAME: C8913501
FILENAME: WATER2.GRF

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

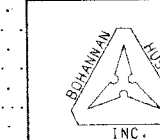
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PROVIDED ON THIS SHEET.

RECORD DRAWINGS
DATE 5-24-90

WATERLINE STATION	WL TYPE	WL SIZE	WL LGTH.	
14+16.03 RT. SNGL.	2"	105'		SHOPS
14+20.52 RT. SNGL.	1.5"	26'		MAJOR 8
14+45.41 RT. SNGL.	2"	99.5'		MAJOR 3
15+27.49 RT. SNGL.	6"	331.5'		6" FIRE LINE
15+37.52 RT. SNGL.	1"	26'		SHOPS
16+04.83 RT. SNGL.	1"	148.5'		SHOP P
16+90.80 RT. SNGL.	1.5"	25'		MAJOR 7
17+30.33 RT. SNGL.	1.5"	112'		MAJOR 2
17+89.86 RT. SNGL.	1"	25'		SHOPS
18+47.09 RT. SNGL.	1"	152'		SHOP D

*SEE METER DETAIL SHEET 14

BHI JOB NO. 89135.01



CITY OF ALBUQUERQUE

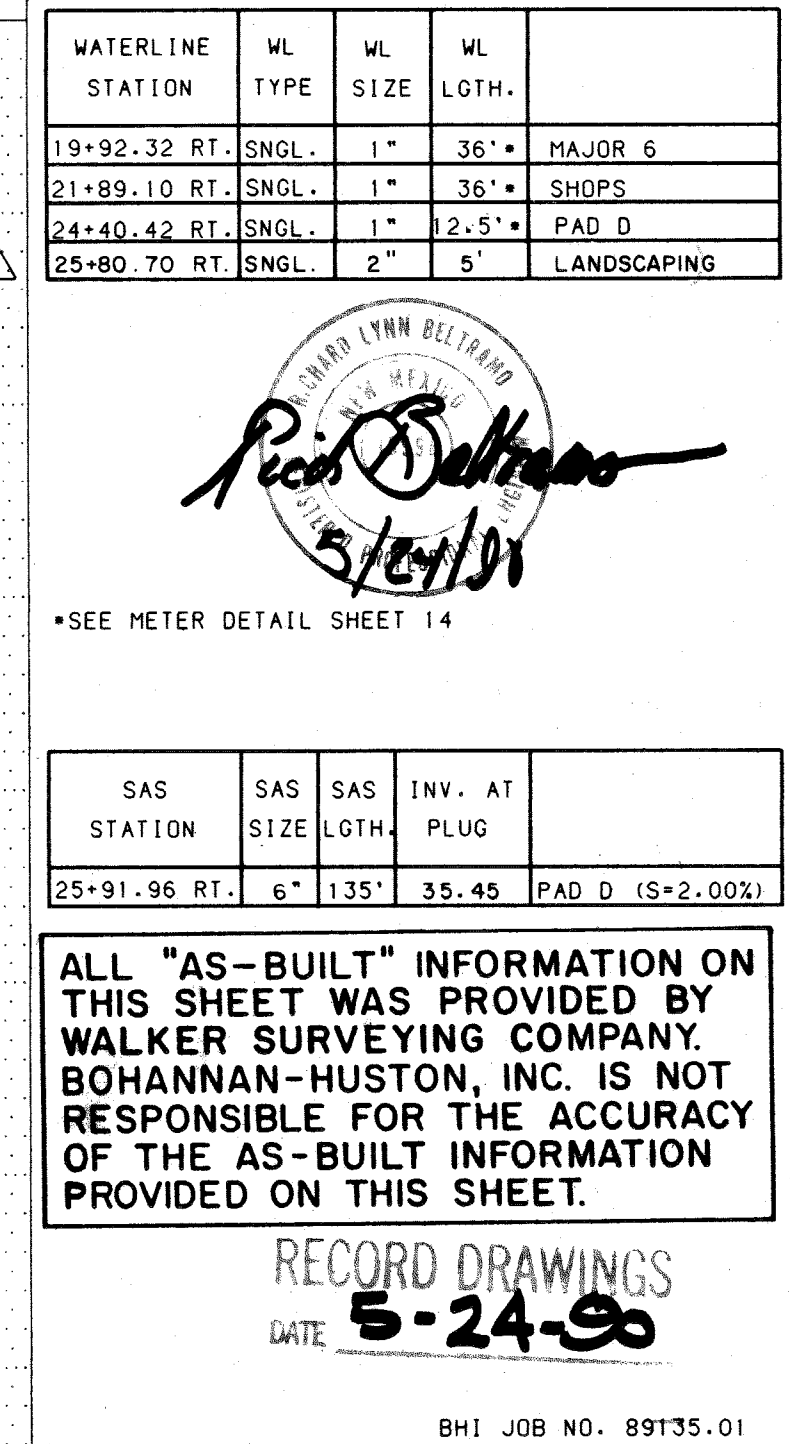
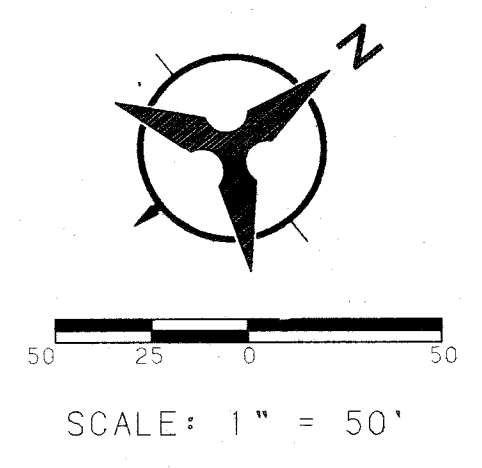
MARKET CENTER WEST SITE UTILITY EXTENSIONS
WATERLINE 'A'

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Robert A. Smith	6/1/89	Liquid Waste	CHD. PEGO	6/1/89
A.C.E.-Design	N/A		Traffic	N/A	
A.C.E.Hydrology	N/A		Water	CHD. PEGO	6/1/89
			N.M. Utilities	PLU. V. C.	6/1/89

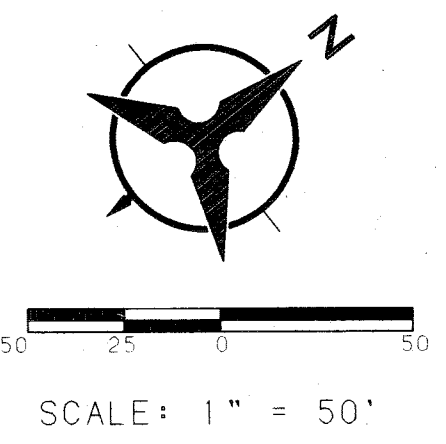
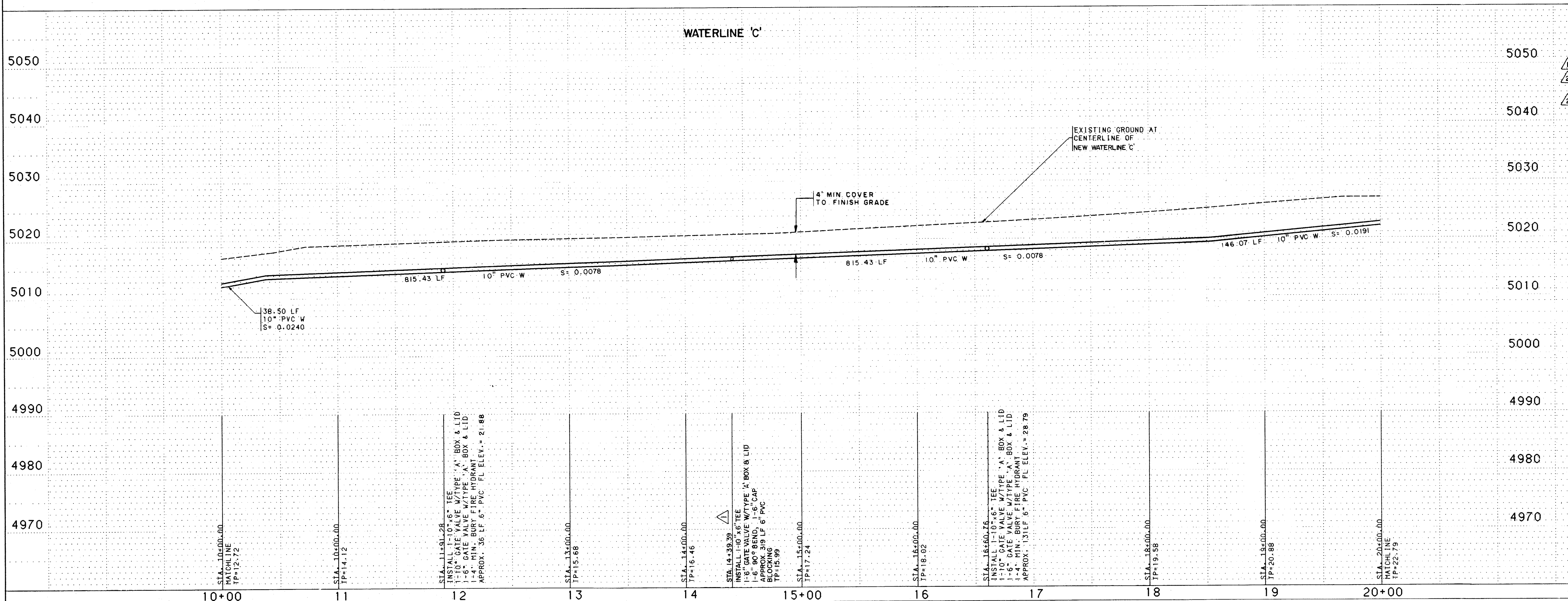
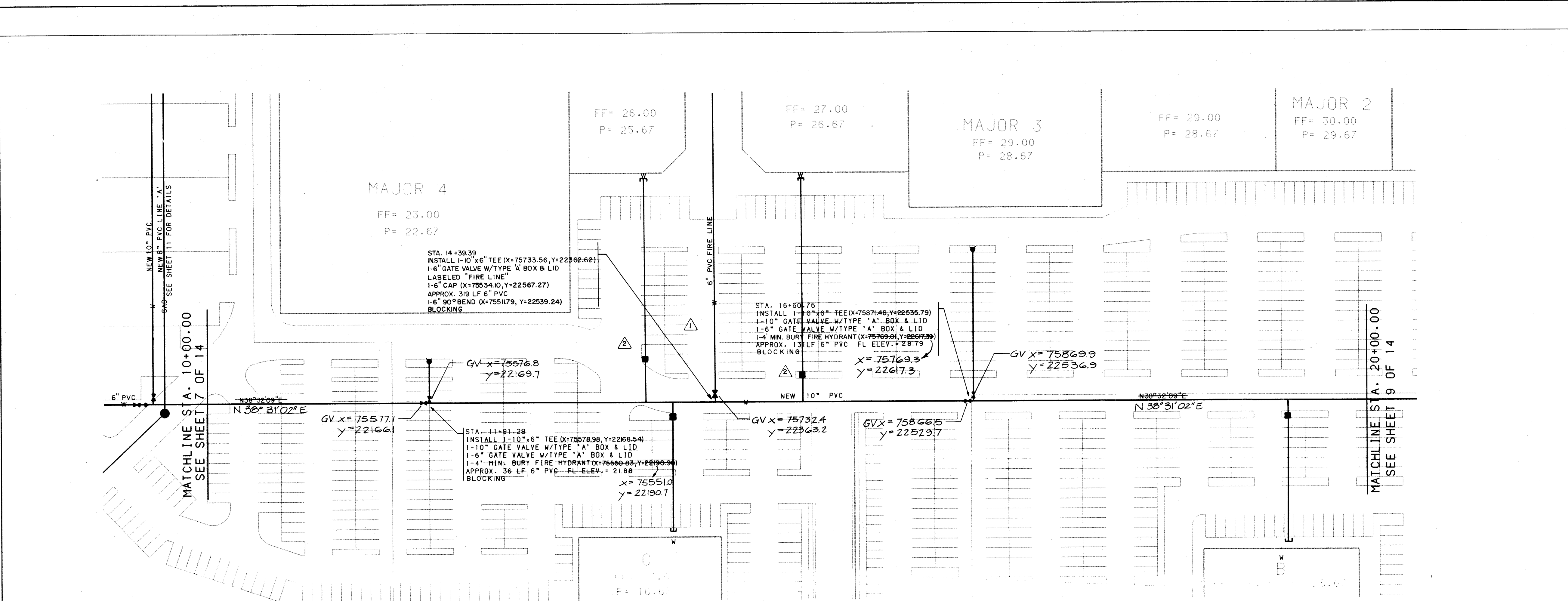
DRAWING
NO. 3825

MAP NO. C-13
SHEET 5 OF 14

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	STATE PLANE COORDINATES (CENTRAL ZONE)	USC & GS BRASS TABLE "R" ALAMEDA A-3" NEW MEXICO	MICRO-FILM INFORMATION
			X= 377,094.67 Y= 1,523,108.34		
			GROUND TO GRID FACTOR= 0.99967685		
			A OC= 00° 14' 13"		
			ELEV.= 5027.05		



		CITY OF ALBUQUERQUE			
MARKET CENTER WEST SITE UTILITY EXTENSIONS					
WATERLINE 'A'					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Page Allen</i>	<i>6/5/97</i>	Liquid Waste	<i>CKD, PEGO</i>	<i>6/2/97</i>
A.C.E.-Design	"	"	Traffic	<i>NA</i>	
A.C.E.-Hydrology	<i>n/a</i>		Water	<i>CKD, PEGO</i>	<i>6/2/97</i>
			N.M. Utilities	<i>John</i>	<i>6/2/97</i>
DRAWING NO. 3825		MAP NO. C-13		SHEET 6 OF 14	



WATERLINE STATION	WL TYPE	WL SIZE	WL LGTH.	
14+01.28 RT.	SINGL.	1"	111'	PAD C
19+34.27 RT.	SINGL.	1"	114.5'	PAD B
14+39.39 LT.	SINGL.	6"	319'	6" FIRE LINE
13+78.70 LT.	SINGL.	1-1/2"	193'	SHOPS
5+14.07 LT.	SINGL.	1-1/2"	193'	SHOPS Q

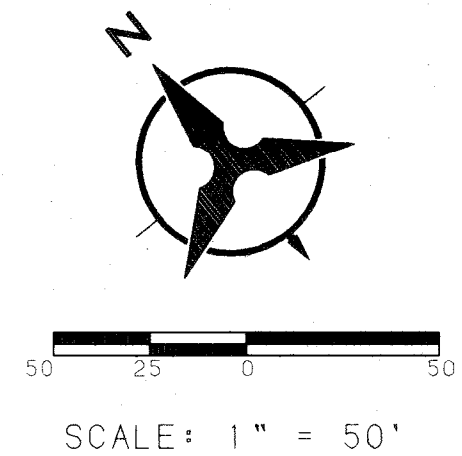
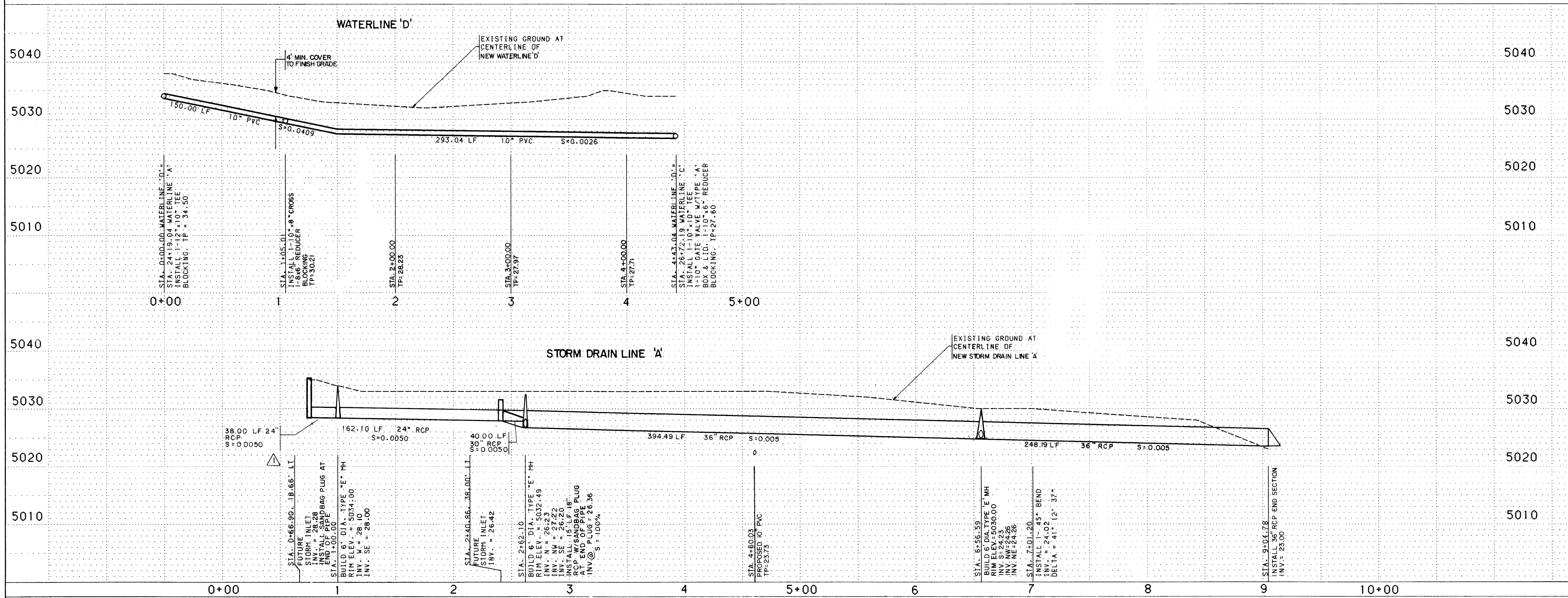
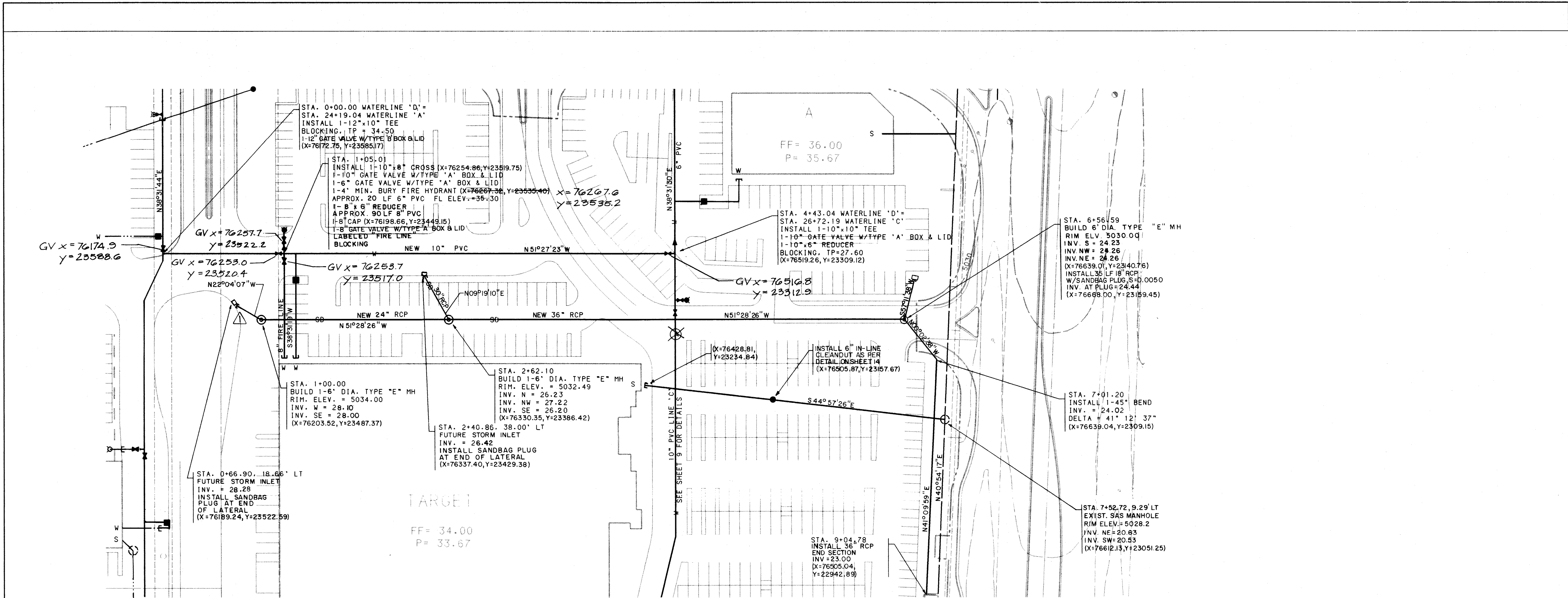
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RECORD DRAWINGS
DATE 5.24.90

BHI JOB NO. 89135.01

CITY OF ALBUQUERQUE					
MARKET CENTER WEST SITE UTILITY EXTENSIONS WATERLINE 'C'					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Roy L. B...	6/12/89	Liquid Waste	...	6/12/89
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
			N.M. Utilities		

ENGINEER'S SEAL		BENCH MARKS		AS BUILT INFORMATION	
KLD		USC & GS BRASS TABLE "R ALAMEDA A-3" NEW MEXICO		DATE	
BY		STATE PLANE COORDINATES (CENTRAL ZONE)		NO.	
REMARKS		X= 377.094.67 Y= 1,523.108.34		BY	
NO. DATE		GROUND TO GRID FACTOR= 0.99867685		NO.	
DESIGNED BY		A.D.C. 00' 14' 13"		NO.	
DRAWN BY		ELEV.= 5027.05		NO.	
CHECKED BY				NO.	
DATE 4/89				NO.	
DATE 4/89				NO.	
DATE 4/89				NO.	



WATERLINE STATION	WL TYPE	WL SIZE	WL LGTH.	
1+05.01 RT. SNGL.	8"	90.5'	TARGET FIRE LINE	
1+15.01 RT. SNGL.	2"	90.5'	TARGET	



SAS STATION	SAS SIZE	SAS LGTH.	INV. AT PLUG	
00+00.00 RT. 6"	260'	25.65	TARGET (SLOPE=2.0%)	

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RECORD DRAWINGS
DATE 5-24-90

BHI JOB NO. 89135.01

CITY OF ALBUQUERQUE

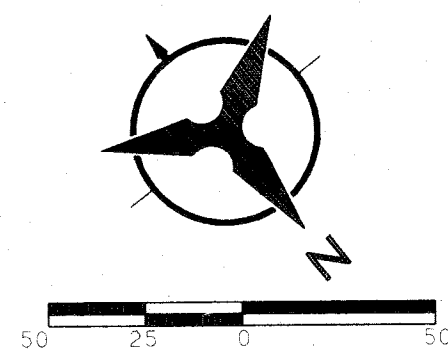
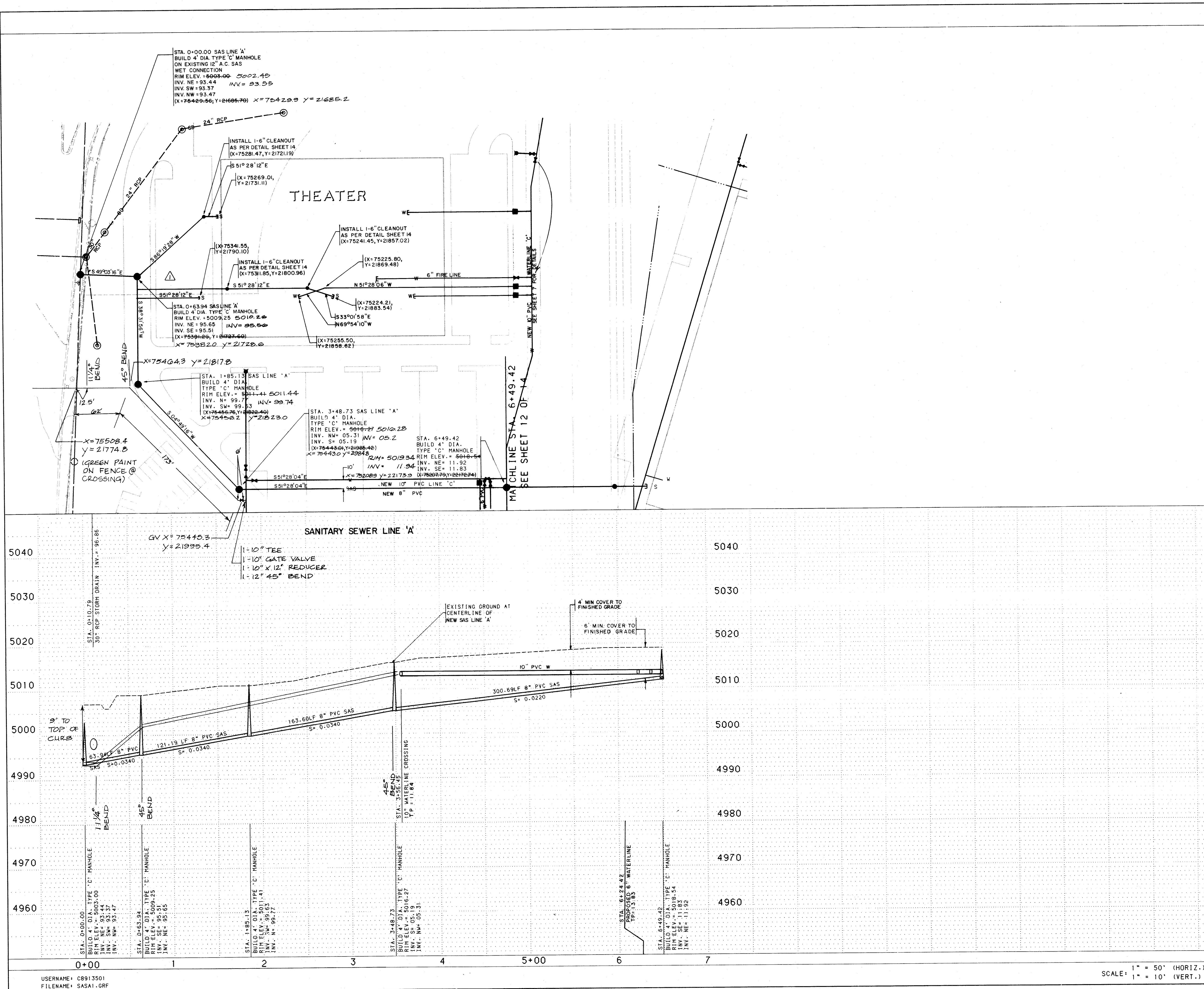
MARKET CENTER WEST SITE UTILITY EXTENSIONS
WATERLINE 'D' & STORM DRAIN LINE 'A'

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Roger L. Shaw	6/5/90	Liquid Waste	CLD. PECO	6/2/89
A.C.E.-Design			Traffic	N/A	
A.C.E.-Hydrology	N/A		Water	CLD. PECO	6/2/89
			N.M. Utilities	CLD. PECO	6/2/89

DRAWING NO. 3825 MAP NO. C-13 SHEET 10 OF 14

USERNAME: C8913501
FILENAME: WATER-STORM.GRF

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)



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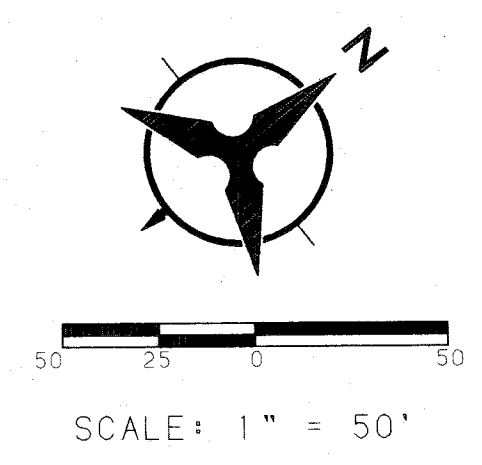
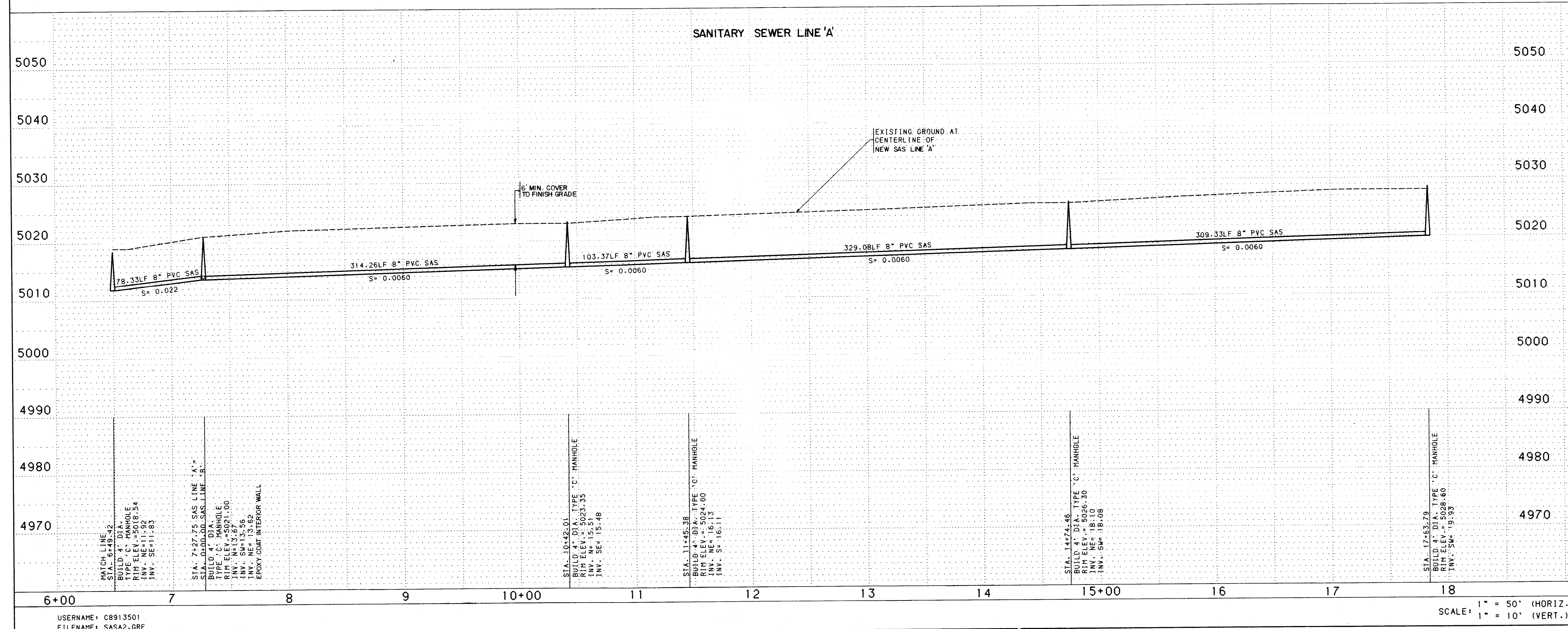
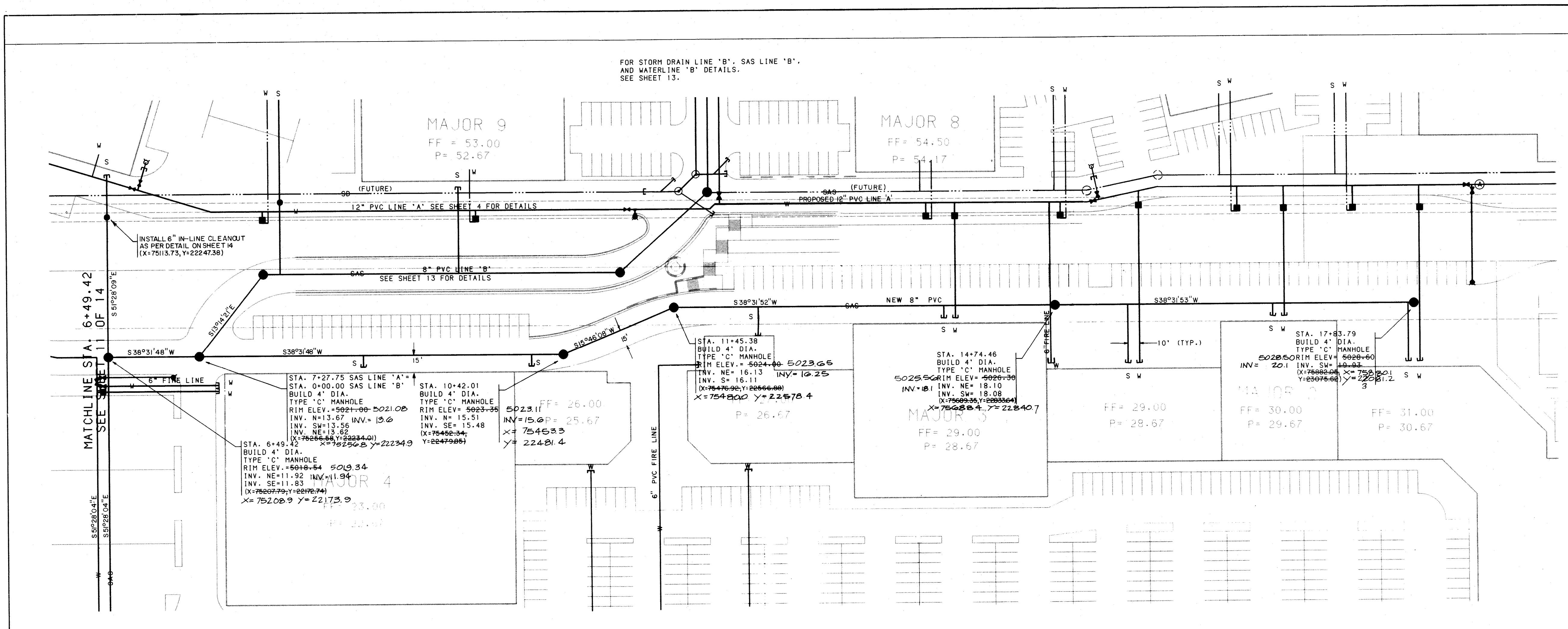
SAS STATION	SAS SIZE	SAS LGTH.	INV. AT PLUG	
0+63.94 LT.	6"	116'	07.25	THEATER
0+78.09 LT.	6"	222'	06.75	SHOPS "S"
0+88.09 LT.	6"	70'	06.25	SHOPS "T"

* DENOTES RISER NEEDED

RECORD DRAWINGS
DATE 5-24-90

CITY OF ALBUQUERQUE			
MARKET CENTER WEST SITE UTILITY EXTENSIONS SANITARY SEWER LINE 'A'			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	Regina	4/5/90	Liquid Waste
A.C.E.-Design			Traffic
A.C.E.Hydrology	N/A		Water
			N.M. Utilities
DRAWING NO. 3825		MAP NO. C-13	
SHEET 11		OF 14	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO. DATE		FIELD NOTES		USC & GS BRASS TABLET "R" ALAMEDA A-3" NEW MEXICO		STATE PLANE COORDINATES (CENTRAL ZONE)	
KLD BY		NO. DATE		X= 377,094.67 Y= 1,523,108.34		GROUND TO GRID FACTOR= 0.99967685	
DESIGNED BY JLP		NO. DATE		A GC= 00' 14" 13"		ELEV.= 5027.05	
DRAWN BY SAH		NO. DATE				MICRO-FILM INFORMATION	
CHECKED BY KLD		NO. DATE					



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SAS STATION	SAS SIZE	SAS LGTH	INV. AT PLUG	
8+69.42 RT.	6"	10'	15.32	MAJOR 4
10+14.42 RT.	6"	10'	16.19	SHOPS R
12+18.20 RT.	6"	10'	17.42	SHOPS Q
13+78.37 RT.	6"	10'	18.38	MAJOR 3
15+36.87 RT.	6"	50.5'	20.14	SHOPS P
16+62.03 RT.	6"	10.5'	20.09	MAJOR 2
17+78.79 RT.	6"	50.5'	21.59	SHOPS O
6+49.42 LT.	6"	57.5'	39.00	MAJOR 10

RECORD DRAWINGS
DATE 5-24-90
BHI JOB NO. 89135.01

APPROVALS			APPROVALS		
City Engineer		DATE	Engineer		DATE
A.C.E.-Design		5/24/90	Robert L. Bailey		5/24/90
A.C.E.-Hydrology		N/A	Traffic		chkd. 5/24/90
			Water		chkd. 5/24/90
			N.M. Utilities		chkd. 5/24/90

DRAWING NO. 3825	MAP NO. C-13	SHEET 12 OF 14
------------------	--------------	----------------

MATCHLINE STA. 00+00.00= STA. 7+27.75 SHEET 12

STA. 0+89.76
BUILD 4" DIA.
TYPE 'C' MANHOLE
RIM ELEV. = 5025.24
INV. = 16.83
INV. NE = 13.67
(X=75266.09, Y=22321.99)

STA. 0+00.00 SAS LINE 'B'
STA. 7+27.75 SAS LINE 'A'
BUILD 4" DIA.
TYPE 'C' MANHOLE
RIM ELEV. = 5021.00
INV. = 13.67
INV. NE = 13.62
(X=75256.56, Y=22234.01)

INSTALL
1-6" IN-LINE CLEANOUT
AS PER DETAIL ON
SHEET 14

MAJOR 9
FF = 53.00
P = 52.67

STA. 3+97.80
BUILD 4" DIA.
TYPE 'C' MANHOLE
RIM ELEV. = 5043.74
INV. = 30.70
INV. SW = 30.51
(X=75427.96, Y=22562.36)

STA. 4+84.69 17.53' LT.
BUILD 6" DIA.
TYPE 'E' MANHOLE
RIM ELEV. = 5047.40
INV. SW = 39.11
INV. N = 39.17
INV. NE = 39.25
(X=75405.34, Y=22645.68)

STA. 5+02.55
BUILD 4" DIA.
TYPE 'C' MANHOLE
RIM ELEV. = 5047.74
INV. = 35.94
INV. S = 35.74
(X=75420.12, Y=22693.01)

STA. 7+37.59
10.00' LT.
BUILD 6" DIA.
TYPE 'E' MANHOLE
RIM ELEV. = 5058.00
INV. = 41.51
(X=75228.92, Y=22805.32)

STA. 5+18.64 10.00' LT.
BUILD 6" DIA. TYPE 'E' MANHOLE
RIM ELEV. = 5048.00
INV. S = 39.32
INV. W = 39.38
INV. NE = 39.45
(X=75402.35, Y=22666.78)

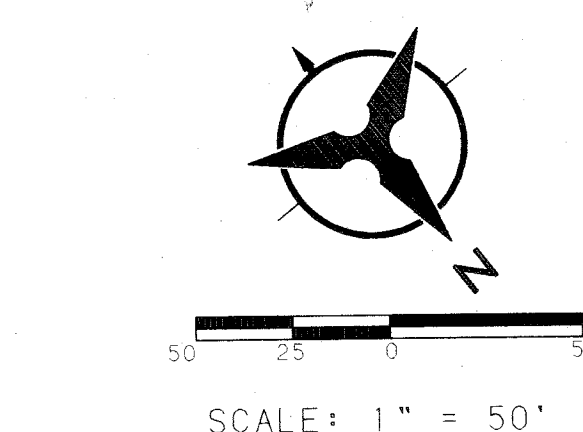
STA. 7+12.54 10.00' RT.
INSTALL 1-12" 18" TEE (X=75260.98, Y=22805.35)
1-12" GATE VALVE W/TYPE 'A' BOX & LID
1-8" GATE VALVE W/TYPE 'A' BOX & LID
1-8" CAP APPROX 40LF 8" PVC (X=75285.91, Y=22836.64)
BLOCKING

STA. 7+46.92 10.00' RT.
INSTALL 1-12" 6" TEE (X=75234.09, Y=22828.78)
1-12" GATE VALVE W/TYPE 'A' BOX & LID
1-6" GATE VALVE W/TYPE 'A' BOX & LID
1-4" MIN. BURY FIRE HYDRANT (X=75244.88, Y=22830.66)
APPROX. 31LF 6" PVC FL ELEV. = 5059.48

STA. 8+33.04
BUILD 4" DIA.
TYPE 'C' MANHOLE
RIM ELEV. = 5064.00
INV. = 52.26
(X=75460.40, Y=22875.1)

STA. 9+37.64 10.00' RT.
REMOVE EXISTING 12" CAP &
BLOCKING. CONNECT PROPOSED
12" PVC TO EXISTING 12" PVC
NON-PRESSURE CONNECTION. TP=66.50
(X=75084.90, Y=22845.58)

SANITARY SEWER LINE 'B', WATERLINE 'B', STORM DRAIN LINE 'B'

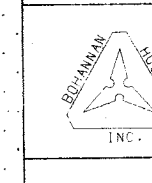


WATERLINE	STATION	WL	WL	WL
TYPE	SIZE	LGTH.		
6+27.52 LT. SNGL.	1"	48'	SHOPS S	
6+52.55 RT. SNGL.	1"	33'	SHOPS N	
9+64.93 RT. SNGL.	1"	103'	PAD E	
9+47.64 LT. SNGL.	2"	38'	LANDSCAPING	

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SAS	SAS	SAS	INV. AT	
STATION	SIZE	LGTH.	PLUG	
1+04.47 LT.	6"	187'	47.20	SHOPS
2+58.40 LT.	6"	74.5'	47.10	MAJOR 9
6+17.53 LT.	8"	38'	43.01	SHOPS
8+42.54 RT.	6"	43'	44.37	SHOPS
8+33.04 RT.	6"	156'	56.15	PAD E

RECORD DRAWINGS
DATE 5-24-90
BHI JOB NO. 89135.01

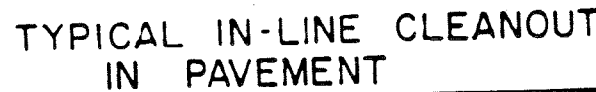
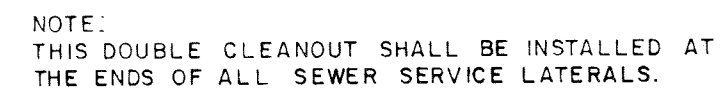


CITY OF ALBUQUERQUE

MARKET CENTER WEST SITE UTILITY EXTENSIONS
SAS LINE 'B', WATERLINE 'B', & SD LINE 'B'

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Roger I. Brown	5/24/90	Liquid Waste	ckd. PEGO	6/2/89
A.C.E.-Design	"	"	Traffic	N/A	
A.C.E.-Hydrology	"	"	Water	ckd. PEGO	6/2/89
			N.M. Utilities	ckd. PEGO	6/2/89

DRAWING NO. 3825
MAP NO. C-13
SHEET 13 OF 14



3/4" METER INSTALLATION DETAIL

1 1/2" - 2" INSTALLATIONS SHALL USE APPROPRIATE SIZE FITTINGS WITH METER FLANGES AND BRONZE CLOSE NIPPLES REPLACING-METER COUPLINGS.

*Variable Length, depending on size
of thrust reaction blocking.
Minimum Length 18"



- GENERAL NOTES:**
1. ALL PIPING AND FITTINGS SHALL BE SCH. 40, THREADED GALV. IRON.
 2. USE STANDARD C.I. MH RING AND COVER, SEE DWG 2110 COVER MARKED "WATER"
 3. FOR FUTURE ADJUSTMENT OF MH FRAME TO PAVEMENT GRADE ADD ADJUSTMENT RINGS OR GRADE MS BRICK AS SHOWN ON STANDARD MH DETAILS, SEE DWGS 2101 AND 2102.
 4. USE AS REQUIRED AND APPROVED BY WATER RESOURCES DEPT.

- CONSTRUCTION NOTES:**

- A. ASPHALT PAVING.
- B. USE CONC. COLLAR IN ALL AREAS.
- C. AIR RELEASE VALVE.
- D. GATE VALVE
- E. AIR DISCHARGE CONNECTION.
- F. TEE.
- G. KIPPLE FOR VENT AND HOSE CONNECTION.
- H. 90° ELBOW.
- J. KIPPLE.
- L 2" DIA. PIPE, VARIABLE LENGTH.
- M TAPPING SADDLE FOR PVC OR DI. PIPE
THREADED OUTLET FOR CONC CYL. PIPE.
- N. WATER MAIN
- O 1 CU YD. GRAVEL.

NEW MEXICO UTILITIES, INC., REQUIREMENTS FOR WATER FACILITIES

Use City of Albuquerque specifications with the following exceptions

1. Fire Hydrants shall be limited to Mueller A-42 Centurian, Watertown Pace 100 or Kennedy Model 185BIA. All other hydrant requirements shall meet City of Albuquerque specifications.
2. Valves 4" in size and larger shall have a 2" operating nut. This includes both gate and butterfly valves.
3. Service lines shall be of at least 1" in diameter. Smaller sizes will not be accepted.
4. Tapping saddles shall be of the double strap type. All single strap saddles must be approved by New Mexico Utilities, Inc..
5. Service fittings are detailed in exhibit "A".
6. Meter boxes for 3/4" services shall be pre-cast concrete. They will be furnished by New Mexico Utilities, Inc. Meter boxes for 1" New Mexico Utilities, Inc. yard. Meter boxes will be billed to contractor. Number of boxes required shall be furnished by New Mexico Utilities, Inc., by contractor no later than 60 days before the pick-up date.
7. Meter boxes for 1" and larger meter services shall be determined by New Mexico Utilities, Inc., and contractor on each individual job.
8. Dead end lines shall require a plug & blow-off. See exhibit "B".
9. All fire hydrant legs shall be valved.
10. Brass gate valves shall be used. Brass or bronze valves series 100.

All materials and application thereof shall be subject to approval of New Mexico Utilities, Inc.

See exhibits A through D for details required by New Mexico Utilities, Inc.

NEW MEXICO UTILITIES, INC., REQUIREMENTS FOR SEWER FACILITIES

Use City of Albuquerque specifications with the following exceptions

1. Where P.V.C. pipe is used for sewer mains, the same shall also be used for service laterals. The pipe shall be SDR-35.
2. All manholes, regardless of depth, shall be of pre-cast concrete and must comply with City of Albuquerque specifications for pre-cast manholes. Manholes must also be equipped with steps, regardless of depth. Steps shall comply with City of Albuquerque specifications for manhole steps.

See exhibits A through D for details required by New Mexico Utilities, Inc.

All materials and application thereof shall be subject to approval by New Mexico Utilities, Inc.

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES				CONTRACTOR	
NO.	BY	DATE		WORK STARTED BY	DATE
				INSPECTOR'S PERFORMANCE BY	DATE
				VERIFICATION BY	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

ENGINEER'S SEAL

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

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RECORD DRAWINGS
DATE **5-24-90**

CITY OF ALBUQUERQUE

TITLE:
MARKET CENTER WEST SITE UTILITY EXTENSIONS
DETAIL SHEET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Reginald H.</i>	<i>6/5/18</i>	Liquid Waste	<i>chkd. P. GAO</i>	<i>6/2/18</i>
A.C.E. - Design	"	"	Traffic	<i>N/A</i>	
A.C.E. - Hydrology	<i>n/a</i>		Water	<i>chkd. P. GAO</i>	<i>6/2/18</i>
			N.M. Utilities	<i>N/A</i>	<i>6/2/18</i>

DRAWING NO.	3825	MAP NO.	C-13	SHEET	14	OF	14
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