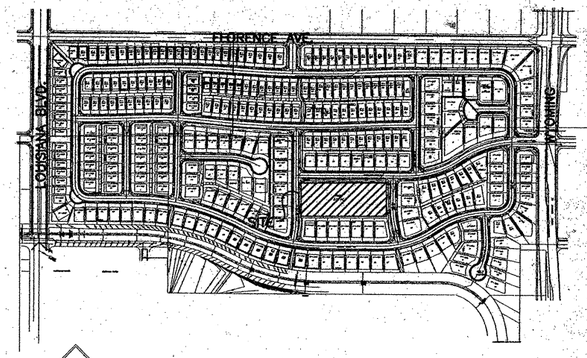
LANDSCAPE CONSTRUCTION PLANS FOR *DESERT RIDGE TRAILS PARK*

CLASS I CONSTRUCTION (NOT FOR BID)

CITY OF ALBUQUERQUE, NEW MEXICO
PARKS AND RECREATION DEPARTMENT
MAY 2002



VICINITY MAP ZONE ATLAS B-19-Z

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
3. 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 IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
4. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
5. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS 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. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. *THE CONTRACTOR SHALL COORDINATE ANY WATER VALVE SHUTOFF OPERATION WITH THE WATER SYSTEMS DIVISION (857-8200) NOT LESS THAN FIVE (5) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES. ALL ATTEMPTS SHALL BE MADE TO MAINTAIN WATER SERVICE TO ALL CUSTOMERS DURING CONSTRUCTION.* Only City Water System Personnel shall operate City Water Valves.

INDEX TO DRAWINGS

SHEET NUMBER	DESCRIPTION
1.	TITLE SHEET
2.	PLAT
3.	SITE PLAN
4.	GRADING PLAN
4A.	CHANGE ORDER TO APPROVED OVERALL GRADING
5.	CONSTRUCTION AND LAYOUT PLAN
6.	DETAIL SHEET
7.	DETAIL SHEET
8.	DETAIL SHEET
9.	PLANTING PLAN
10.	IRRIGATION PLAN
11.	CITY STANDARD TRAFFIC SPECIFICATIONS
12.	CITY STANDARD TRAFFIC SPECIFICATIONS

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 Edith Blvd. N.E.
ALBUQUERQUE, NEW MEXICO 87103
(505)898-9690

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

ENGINEERS STAMP & SIGNATURE

JAMES DEFLOM 0007 LANDSCAPE ARCHITECT NEW MEXICO

6-13-02

APPROVALS	ENGINEER	DATE
DRC Chairman		6-18-02
Transportation		6/5/02
Water/Wastewater		5-8-02
Hydrology		5-8-02
Parks & Rec.		
Constr. Coord.		6-18-02

APPROVED FOR CONSTRUCTION

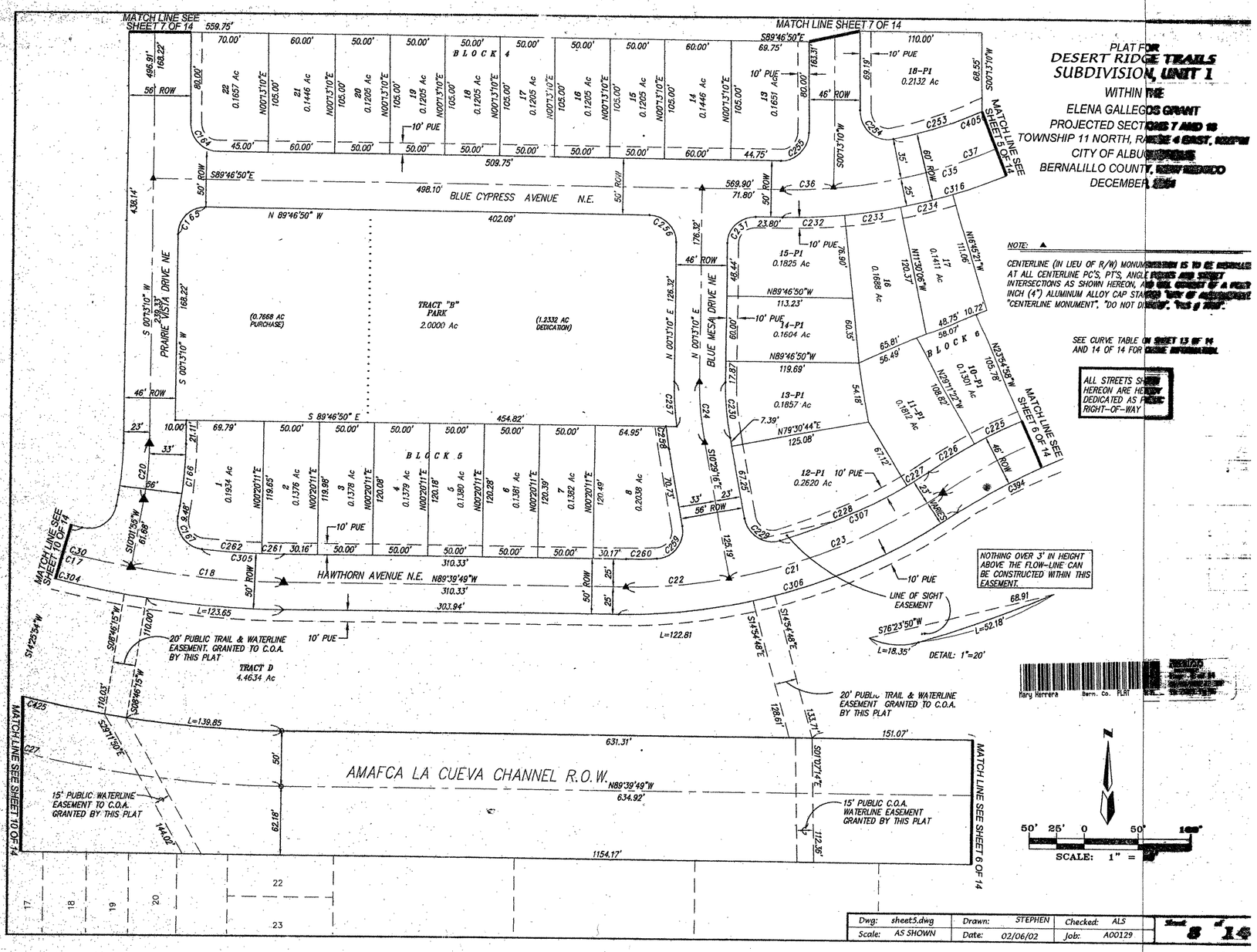
6-18-02

Engineer Date

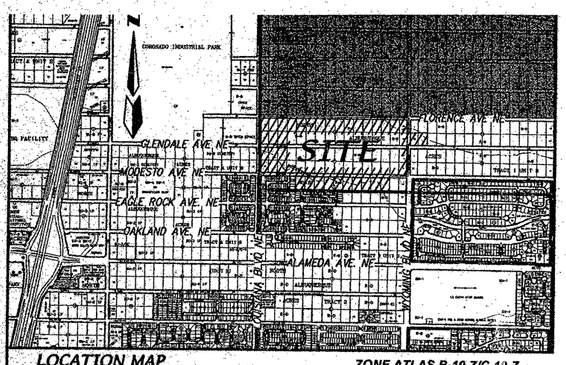
CITY PROJECT NO. 675491

SHEET 1 of 12

Desert Ridge Trails



2-1 of 12



LOCATION MAP ZONE ATLAS B-19-Z/C-19-Z
SCALE: NONE

SUBDIVISION DATA

Plat Case No's.	Project # 1001068 Case # 01500-00000-01820
Gross acreage	74.3151
Zone Atlas No.	B-19-Z/C-19-Z
No. of existing Tracts/Lots	74 LOTS
No. of Tracts/Lots created	7 TRACTS/178 LOTS
No. of Tracts/Lots eliminated	74 LOTS
Miles of full width streets created	1.58
Miles of half width streets created	0.90
Area dedicated to the City of Albuquerque	15.2016 AC
Area dedicated to A.M.A.F.C.A.	2.8369 AC
Date of Survey	DECEMBER 2000
Utility Control Location System Log Number	01020808580155

FREE CONSENT AND DEDICATION:

The subdivision hereon described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets, public right-of-ways and parks shown hereon to the City of Albuquerque in fee simple with warranty covenants, and do hereby dedicate portions of Louisiana Blvd., Florence Ave., Modesto Ave., and Wyoming Blvd., in fee simple Without warranty covenants, do hereby dedicate all Drainage right-of-way shown hereon to Albuquerque Metropolitan Arroyo Flood Control Authority in fee simple with warranty covenants, and do hereby grant: all access, utility and drainage easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein; and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for buried distribution lines, conduits, and pipes for underground utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is [illegible] act and deed. Said owners(s) warrant that they hold among them complete and indefeasible title to the land subdivided.

OWNER: Mesa Verde Development Corp.
BY: Scott Schiabor, President

12-10-01
SCOTT SCHIABOR DATE

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO SS

This instrument was acknowledged before me on DECEMBER 10, 2001
By Scott Schiabor, President of Mesa Verde Development Corp., A New Mexico Corporation on behalf of said corporation

OFFICIAL SEAL
SUSAN BARROR
NOTARY PUBLIC-STATE OF NEW MEXICO
My commission expires 9-3-2004

Susan Barror
NOTARY PUBLIC MY COMMISSION EXPIRES

LEGAL DESCRIPTION (SEE SHEET 2)

NOTES (SEE SHEET 2)

PURPOSE OF PLAT

1. Subdivide 74 North Albuquerque Acres Lots into 178 residential lots, and 7 Tracts
2. Grant easements as shown hereon
3. Dedicate new right-of-way as shown hereon
4. Dedicate new park as shown hereon
5. Vacate Easements as shown hereon
6. Vacate Right-of-way as shown hereon

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UPC #: [illegible] (41 UAC Codes)
PROPERTY OWNER OF RECORD: AMAFCA, Mesa Verde Dev. Corporation/Enterprise Inc., SFS Investments, Other Owners Etc...
BERNALILLO COUNTY TREASURER'S OFFICE
William Rasmussen 2/8/02

Mary Herrera Bern. Co. PLAT 2002017575 SEQUENCE Page: 1 of 14 02/08/2002 12:38P Bk-2002C Pg-46

OWNER: Albuquerque Metropolitan Arroyo Flood Control Authority of Lots 5, 6, 9-14, Block 1, Tract 2, Unit 3, North Albuquerque Acres.
BY: John P. Kelly

12-11-01
John P. Kelly, Executive Engineer, A.M.A.F.C.A DATE

OWNER'S ACKNOWLEDGMENT

STATE OF NEW MEXICO
COUNTY OF BERNALILLO SS

This instrument was acknowledged before me on 12/11/01
By John P. Kelly as Executive Engineer of the Albuquerque Metropolitan Arroyo Flood Control Authority, a Political Subdiv. of the state of New Mexico, on behalf of said Authority.

OFFICIAL SEAL
Gwendolyn A. Vigil
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 3.29.03

Gwendolyn A. Vigil
NOTARY PUBLIC MY COMMISSION EXPIRES 3.29.03

PLAT FOR
DESERT RIDGE TRAILS SUBDIVISION, UNIT 1
WITHIN THE
ELENA GALLEGOS GRANT
PROJECTED SECTIONS 7 AND 18
TOWNSHIP 11 NORTH, RANGE 4 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
DECEMBER, 2001

APPROVED AND ACCEPTED BY:

APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque subdivision Ordinance, Chapter 14 Article 14 of the Revised Ordinances of Albuquerque, New Mexico, 1994.

Subdivision Case No. 01500-01820/1001068

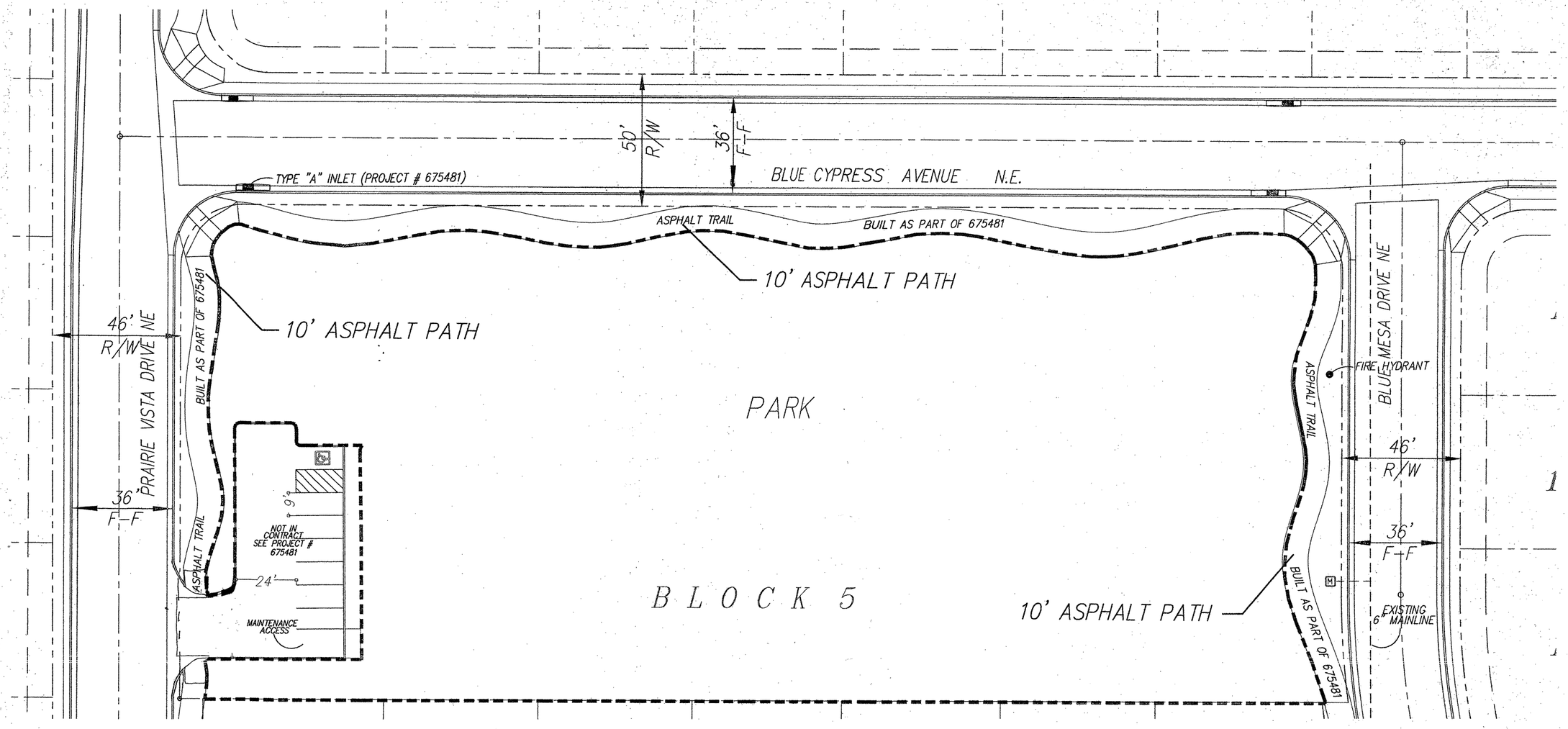
Planning Director, City of Albuquerque, N.M.	2/8/02 Date
City Engineer, City of Albuquerque, N.M.	2-6-02 12/19/01 Date
Albuquerque Metropolitan Arroyo Flood Control Authority	2-7-02 Date
Transportation Development, City of Albuquerque, N.M.	12/20/01 Date
Utility Development Division, City of Albuquerque, N.M.	12/19/01 Date
Parks and Recreation	12/19/01 Date
City Surveyor, City of Albuquerque, N.M.	12-11-01 Date
Property Management, City of Albuquerque, N.M.	12-19-01 Date
PNM Gas	1-21-02 Date
PNM Electric	1-21-02 Date
Qwest Telecommunications	1-21-02 Date
Comcast Cable	1-21-02 Date

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me or under my supervision, shows all easements as shown on the plat of record or made known to me by the owners and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico, and is true and correct to the best of my knowledge and belief."

12-11-01
Timothy Aldrich P.S. No. 7719 Date

Dwg: COVER.dwg
Scale: as sh
Checked: ALS
Sheet 1 of 14



GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY:	DATE
NO.	

BENCH MARKS

"11-C18", THE STATION IS LOCATED 2.8 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT. THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "11-C18 1985". IT IS RIVITED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.
X = 404,894.49, Y = 1,523,837.39, G-G = .9995566
DELTA ALPHA = 0°11'00", CENTRAL ZONE, (NAD 1927/SLD 1929)
ELEVATION = 5,326.00'

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MARK DE FLON 6/10/02

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGN		
DESIGNED BY	IRT	10/26/01
DRAWN BY	IRT	10/26/01
CHECKED BY		DATE

THE HILLTOP
LANDSCAPE ARCHITECTS, INC. CONTRACTORS
7909 EDITH
ALBUQUERQUE, NEW MEXICO
(505)89[illegible]

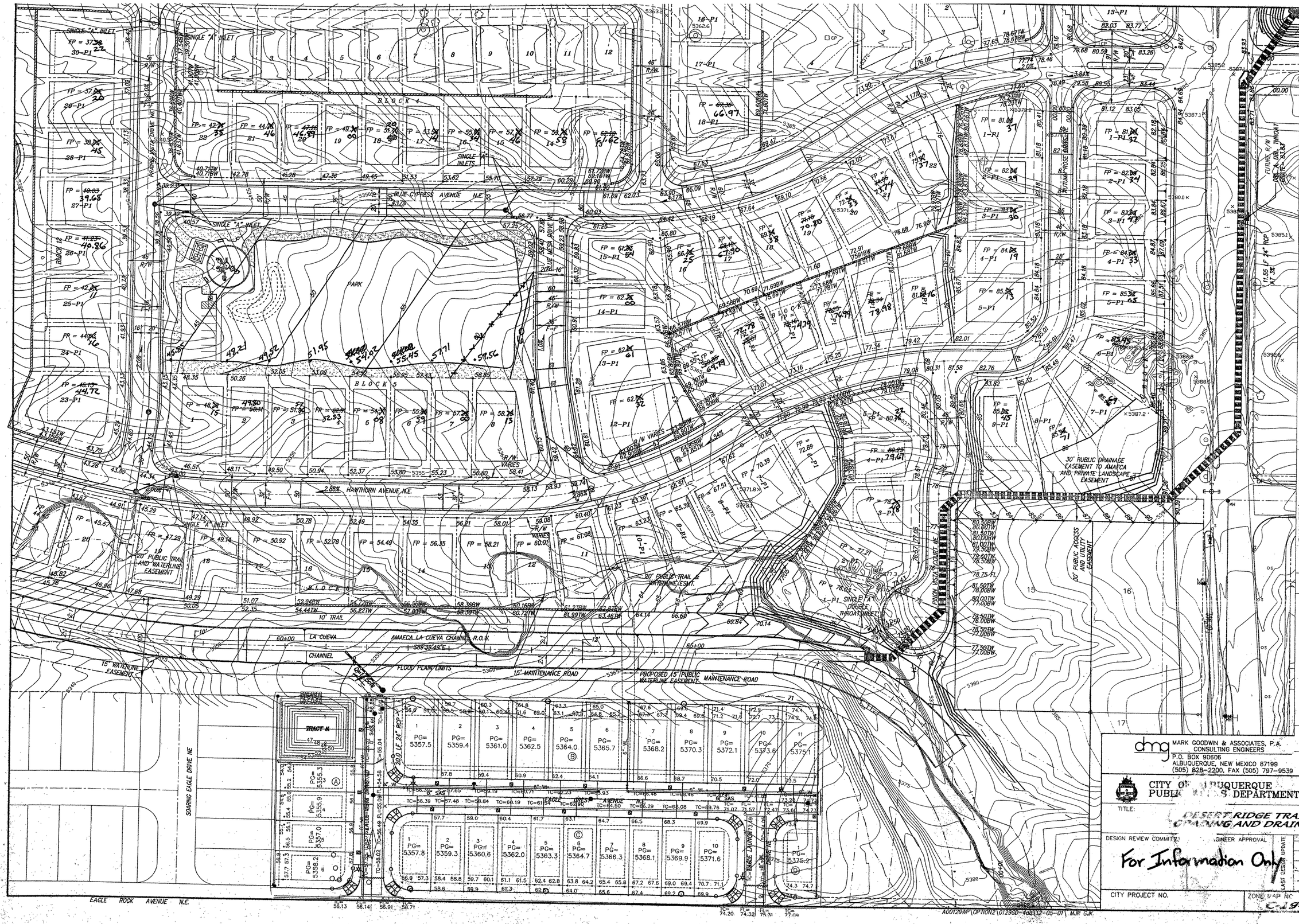
CITY OF ALBUQUERQUE

TITLE: DESERT RIDGE TRAIL PARK
SITE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE	APPROVED JUN 18 2002 CITY ENGINEER	FOR DESIGN UPDATE		

CITY PROJECT NO. 675491 | ZONE MAP NO. B-19-[illegible] | SHEET 3 OF 12

ACAD DWG\COMMERCIAL\Desert Ridge Trails\Park\SITE PLAN.dwg, 04/25/2002 11:10:12 AM, 1:1



AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

GRATE = 83.83

"11-C18", THE STATION IS LOCATED 7.8 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT. THE STATION MARK IS A STANDARD AGS ALUMINUM CAP STAMPED "11-C18 1985". IT IS RIVITED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.

X = 404,694.49, Y = 1,523,637.39, G-G = .9996566

DELTA ALPHA = 0°11'00", CENTRAL ZONE, (NAD 1927/SLD 1929)

ELEVATION = 5305.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	GJK	03/01
DRAWN BY	MJR	03/01
CHECKED BY	DMG	03/01

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

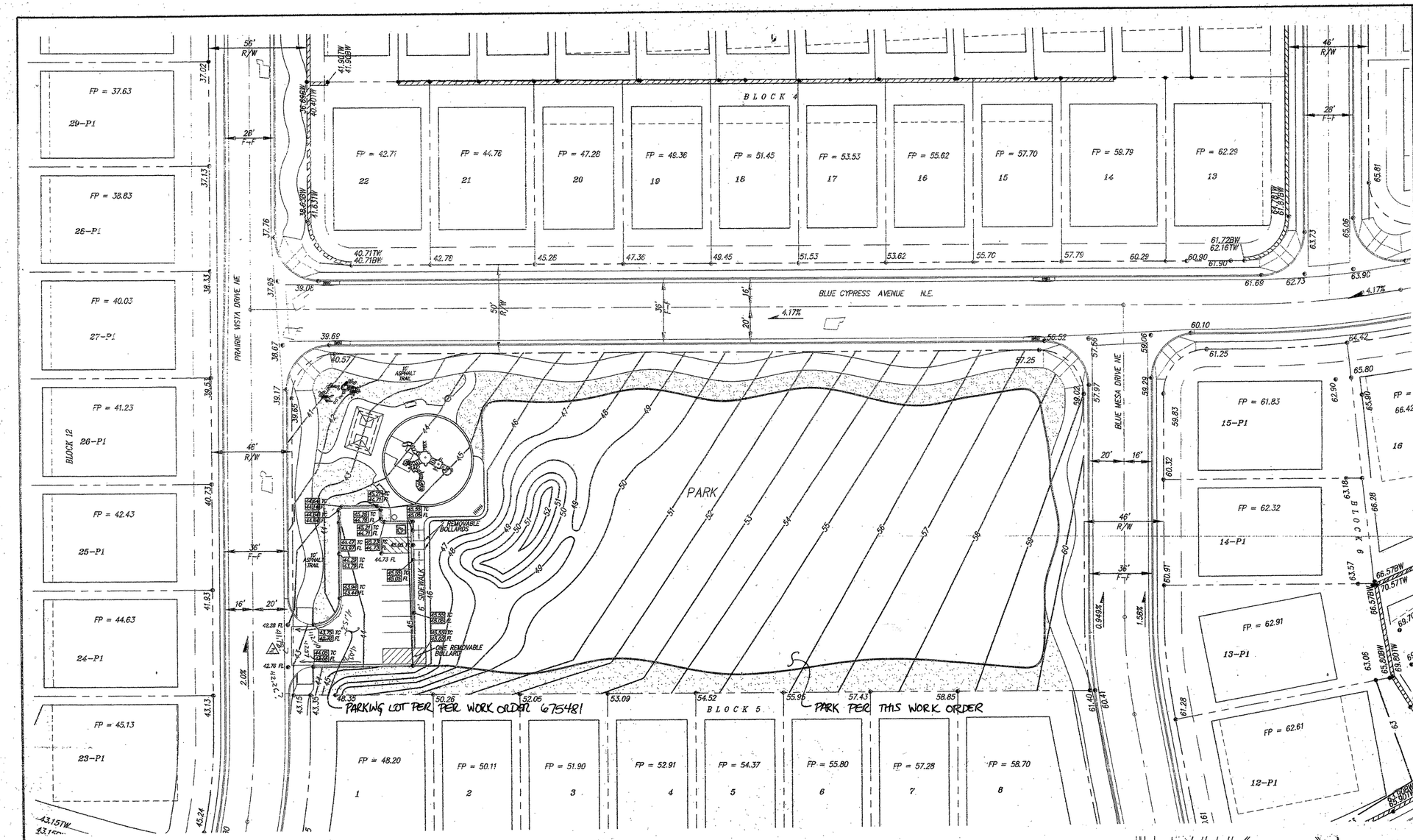
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

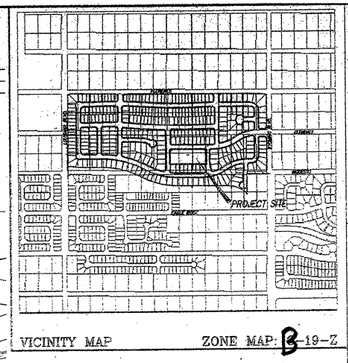
TITLE: DESERT RIDGE TRAILS GRADING AND DRAINAGE

DESIGN REVIEW COMMITTEE | ENGINEER APPROVAL | LAST DESIGN UPDATE | MO./DAY/YR. | MO./DAY/YR.

For Information Only

CITY PROJECT NO. | ZONE MAP NO. C-19-Z | SHEET 4 OF 4





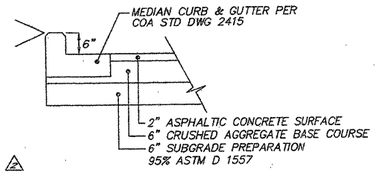
VICINITY MAP ZONE MAP: B-19-Z

LEGEND

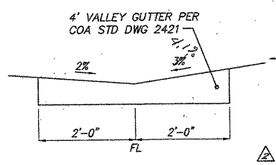
- FLOW DIRECTION
- 45.05 FL⊕ PROPOSED SPOT ELEVATION
- 42.05 TC / 41.55 FL PROPOSED TOP OF CURB ELEVATION / PROPOSED FLOWLINE ELEVATION
- PROPOSED GRAVEL
- 41 PROPOSED CONTOUR

N

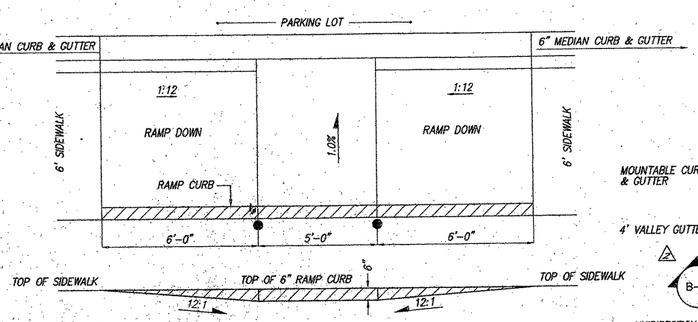
SCALE: 1" = 30' (30' 15' 0 30' 60')



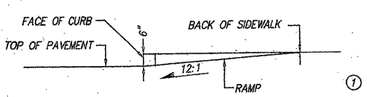
PARKING LOT – TYPICAL SECTION
N.T.S.



PARKING LOT ENTRANCE – SECTION B–B
N.T.S.



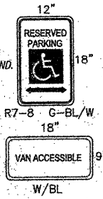
HANDICAP RAMP DETAIL
N.T.S.

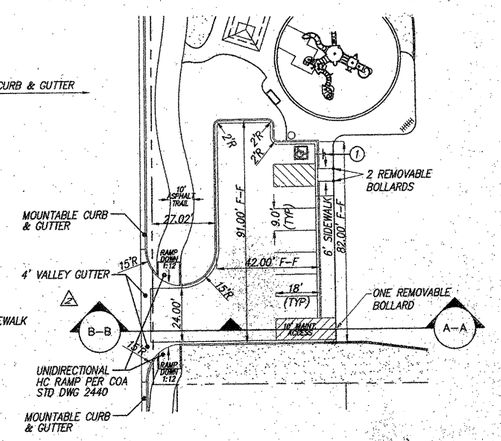


SECTION A–A
N.T.S.

KEY NOTE

① NEW HANDICAP PARKING SIGN R7-8 MOUNTED ON POST BEHIND SIDEWALK, MINIMUM 4' ABOVE GROUND.





A00129/LANDSCAPING/GD-PARK/05-28-02/ MJR

AS BUILT INFORMATION

CONTRACTOR		DATE
STAKED BY		DATE
INSPECTOR'S		
FIELD CHANGE BY		DATE
FIELD		
VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

"1-B20", THE STATION IS LOCATED 9 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF LOUISIANA BLVD. AND LOS ANGELES DR., GO EAST ON LOS ANGELES DR. 1.0 MILE TO BARSTOW ST.; THEN NORTH ON BARSTOW ST. 1.0 MILE TO MODESTO AVE. THE STA. IS LOCATED IN THE N.E. QUADRANT. STATION MARK IS A STANDARD A&S BRASS TABLET, STAMPED "1-B20", X = 410,237.56, Y = 1,524,092.46, G-G = .99964740 ELEVATION = 5474.510' (SLD 1929) DELTA ALPHA = 010'23", CENTRAL ZONE, (NAD 1927)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
4-29-02	ADDED SHEET		G/K
5-28-02	CHANGES PER TRANSPORTATION		G/K

REVISIONS

		DATE
DESIGNED BY	G/K	04/02
DRAWN BY	MJR	04/02
CHECKED BY	DMG	04/02

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) [illegible]-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

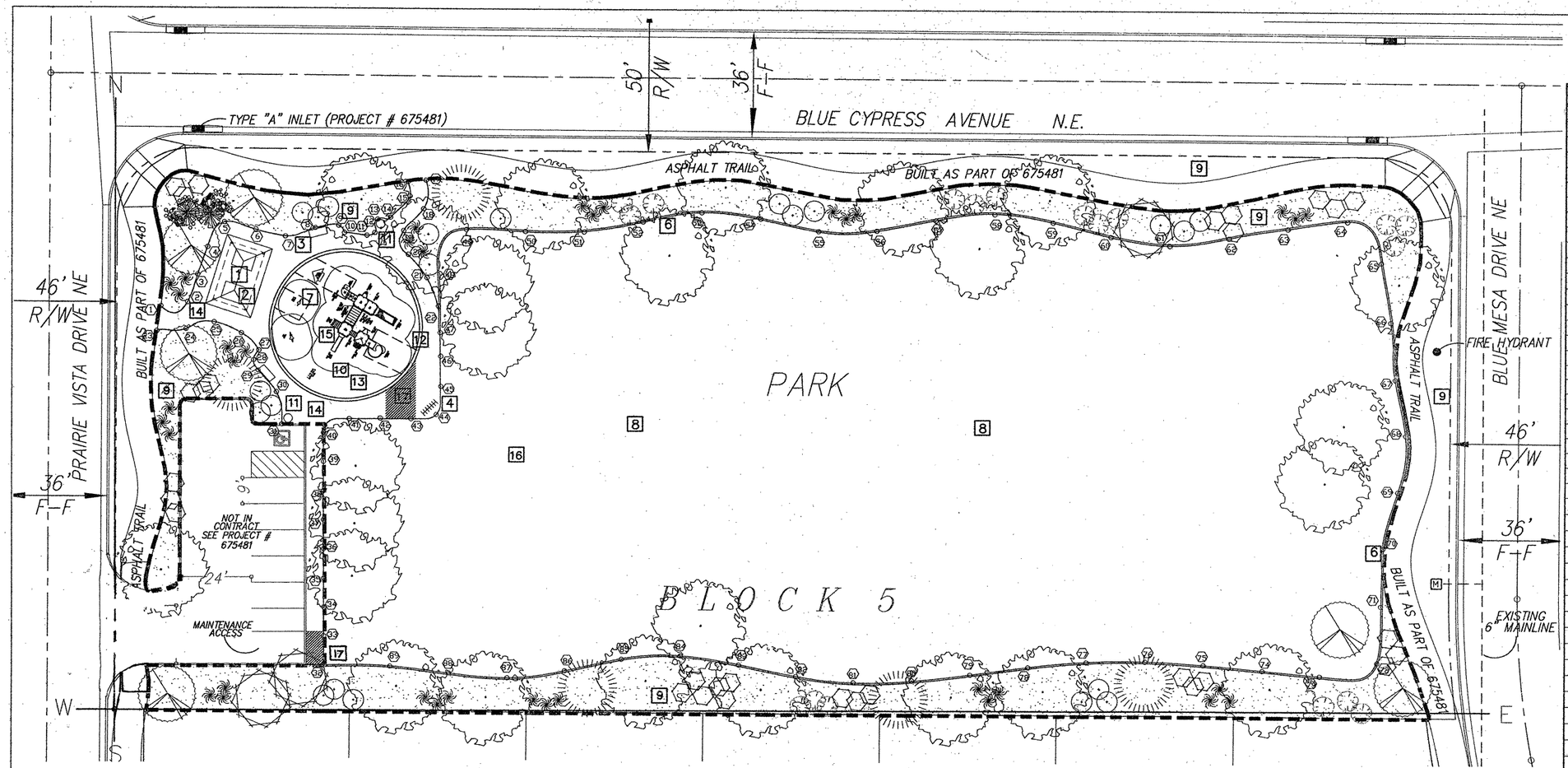
TITLE: DESERT [illegible] TRAILS - UNITS 1, 2 & 3
PARK GRADING & DRAINAGE PLAN
PARK [illegible] & LOT PLAN

DESIGN REVIEW COMMITTEE: APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JUN 18 2002 CITY ENGINEER

REVISION UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 675481 ZONE B-19-Z SHEET YA ~~66~~ 54 OF



DESIGN POINT TABLE				
POINT	NORTH	SOUTH	EAST	WEST
1	140	0	15	0
2	141	0	24	0
3	150	0	28	0
4	159	0	31	0
5	168	0	37	0
6	165	0	48	0
7	163	0	58	0
8	166	0	68	0
9	167	0	76	0
10	164	0	78	0
11	163	0	85	0
12	164	0	88	0
13	169	0	88	0
14	169	0	93	0
15	177	0	100	0
16	182	0	99	0
17	182	0	105	0
18	172	0	104	0
19	165	0	98	0
20	157	0	99	0
21	149	0	106	0
22	140	0	110	0
23	135	0	104	0
24	132	0	24	0
25	134	0	34	0
26	131	0	43	0
27	125	0	49	0
28	121	0	47	0
29	118	0	48	0
30	110	0	55	0
31	99	0	57	0
32	16	0	71	0
33	26	0	71	0
34	36	0	71	0
35	46	0	71	0
36	56	0	71	0
37	66	0	71	0
38	76	0	71	0
39	86	0	71	0
40	96	0	71	0
41	101	0	80	0
42	101	0	90	0
43	101	0	100	0
44	102	0	109	0
45	112	0	110	0
46	123	0	110	0
47	131	0	110	0
48	151	0	110	0
49	165	0	119	0
50	165	0	139	0
51	165	0	159	0
52	168	0	179	0
53	171	0	199	0
54	169	0	219	0
55	165	0	239	0
56	165	0	258	0
57	169	0	278	0
58	171	0	298	0
59	168	0	319	0
60	164	0	338	0
61	161	0	358	0
62	163	0	378	0
63	166	0	397	0
64	169	0	417	0
65	155	0	429	0
66	135	0	432	0
67	115	0	434	0
68	96	0	437	0
69	76	0	435	0
70	57	0	430	0
71	37	0	429	0
72	17	0	428	0
73	13	0	409	0
74	15	0	389	0
75	16	0	370	0
76	18	0	350	0
77	17	0	330	0
78	16	0	310	0
79	13	0	290	0
80	11	0	271	0
81	10	0	251	0
82	12	0	231	0
83	16	0	212	0
84	19	0	192	0
85	18	0	172	0
86	14	0	153	0
87	11	0	133	0
88	13	0	113	0
89	15	0	93	0

1. SHADE STRUCTURE(SEE DETAIL SHEET 5&6 OF 10)PHASE 1
POLYGON RAM 16x24 M (NEUTRAL BEIGE)
2. TABLE (2) (SEE DETAIL SHEET 6 OF 10) PHASE 2 ONLY
FUSION COATING 72" MULTI-PEDISTAL F1015
8' HANDICAP TABLE F1112 (NEUTRAL BEIGE)
3. BENCH (5) (SEE DETAIL SHEET 6 OF 10)PHASE 2 ONLY
KAY PARK 82SGVPSM (NEUTRAL BEIGE)
4. BIKE RACK (1) (SEE DETAIL SHEET 6 OF 10)PHASE 1
KAY PARK 615G-IG/SM (GALVANIZED)
5. EXPANSION JOINT
AS PER CITY SPEC # 2729
6. 6X6" CONCRETE MOWCURB (COA STANDARD DWG.2726)
7. POURED IN PLACE
SAFETY SURFACING
8. SOD — SEED/SOD LAWN
(SEE SECTION 1010 & 1011 OF COA SPEC.)
9. SANTA FE BROWN GRAVEL 4" DEEP W/ FF
10. SAFETY ZONE
11. COA STANDARD TRASH RECEPTICAL (DUMOR 89 MODIFIED)(2)
12. 18" TURNDOWN
(SEE COA SPEC # 2728)
13. 12" DEEP PLAY SAND
14. 4" CONCRETE (COA SPEC. # 2720)
15. PLAY EQUIPMENT PHASE 2 ONLY
16. BERM
17. 6" CONCRETE FOR MAINTENANCE ACCESS

WORK LIMIT

GRAPHIC SCALE
20 10 0 10 20
SCALE: 1"=20'

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
"11-C18" THE STATION IS LOCATED 7.8 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT. THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "11-C18 1985". IT IS PRINTED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.
X = 404,894.49, Y = 1,323,837.39, C-G = .9996566
DELTA ALPHA = 01°00'00", CENTRAL ZONE, (NAD 1927/SLD 1929)
ELEVATION = 5306.00'

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES E. FLYNN CODY
NEW MEXICO
6-26-02

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY IRT DATE 10/26/01
DRAWN BY IRT DATE 10/26/01
CHECKED BY DATE

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

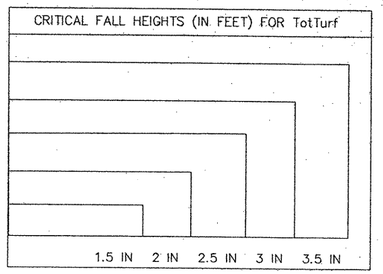
CITY OF ALBUQUERQUE

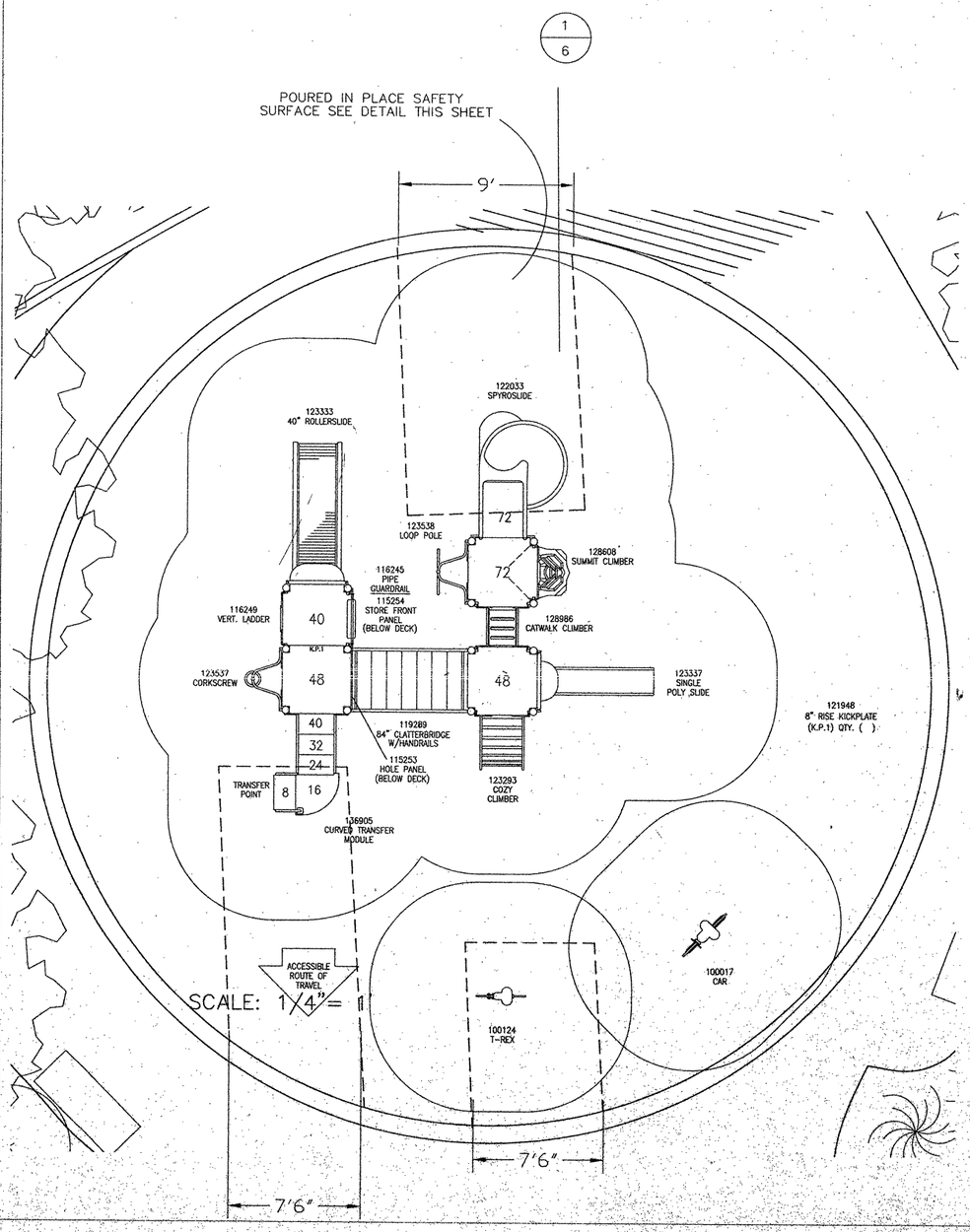
TITLE DESERT RIDGE TRAIL PARK
CONSTRUCTION PLAN

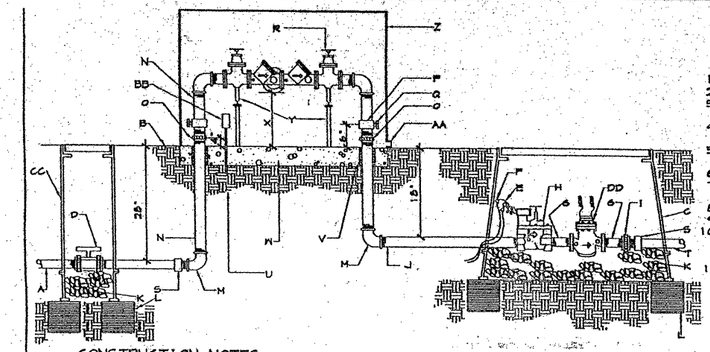
DESIGN REVIEW COMMITTEE — APPROVED JUN 18 2002 — DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL — APPROVED JUN 18 2002 — CITY ENGINEER
LAST DESIGN UPDATE — MO./DAY/YR. — MO./DAY/YR.

CITY PROJECT NO. 675491
ZONE MAP NO. B-19-Z
SHEET 5 OF 12

F:\ACAD DWG\COMMERCIAL\Desert Ridge Trails\Park\CP.dwg, 04/25/2002 10:45:51 AM, 1:1







GENERAL NOTES:

1. HORIZONTAL RPBA INSTALLATION REQUIRED.
2. ABOVE GRADE RPBA INSTALLATION REQUIRED.
3. WATER LINE PRESSURE AND TEMPERATURE MUST NOT EXCEED RATED CAPACITY OF RPBA.
4. PROTECT FROM FREEZING WITH POSITIVE HEAT SOURCE AND INSULATION.
5. MINIMUM RPBA SIZE MUST BE THE BUILDING SERVICE LINE SIZE.
6. DO NOT INSTALL IN FLOOD PRONE AREAS.
7. INSTALL WATER HAMMER ARRESTORS & THERMO EXPANSION PROTECTION AS NECESSARY.
8. METALLIC RISER PIPING REQUIRED.
9. JOINTS TO BE ADEQUATELY RESTRAINED.
10. DEVIATION FROM THESE SPECIFICATIONS MUST HAVE PRIOR WRITTEN APPROVAL FROM THE ADMINISTRATIVE AUTHORITY.
11. CONCRETE MOW STRIP SHALL BE INSTALLED AROUND THE ENTIRE PERIMETER OF THE MASTERVALVE AND RPBA ASSEMBLY. MOWSTRIP SHALL BE A MIN. OF 12" FROM PIPING AND VALVE BOX. (OPTIONAL, DEPENDING ON APPLICATION).

CONSTRUCTION NOTES:

A. SERVICE LINE TO WATER METER, NO OUTLETS ALLOWED.
B. FINISH GRADE, MATERIAL VARIES REFERENCE PLANS.
C. BROOKS PRODUCTS INC. 1730 PB-18 BODY (ABS) VALVE BOX W/ BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION.
D. TRUE UNION SCHEDULE 80 PVC BALL VALVE.
E. 24" WIRE EXPANSION COIL.
F. 3M SKOTCH LOK.
G. SCHEDULE 80 PVC 4" NIPPLE.
H. ELECTRIC VALVE (REFERENCE DRAWINGS FOR SIZE).
I. SPEARS SCHEDULE 80 PVC UNION.
J. SCHEDULE 80 PVC NIPPLE 3'MIN.
K. 1" DIAMETER WASHED ROCK.
L. 8"X8"X16" SOLID CMU BLOCK.
M. GALVANIZED ELL.
N. GALVANIZED NIPPLE.
O. GALVANIZED UNION (MINIMUM 4" ABOVE GRADE).
P. GALVANIZED TEE.
Q. BALL DRAIN, CHAMPION DV050 1/2".
R. RPBA BACKFLOW PREVENTER (REFERENCE DRAWINGS).
S. PVC MIP ADAPTER.
T. NON-CONSTANT PRESSURE IRRIGATION MAINLINE.
U. COMPACTED SUBGRADE.
V. ADEQUATE SLEEVING & INSULATION MIN. 1" THICK.
W. MINIMUM 4" CONCRETE SLAB.
X. 30" MAX. 12" MIN. (FROM LOWEST POINT OF ASSEMBLY TO TOP OF SLAB.
Y. PROVIDE METALLIC OR REINF. CONCRETE SUPPORTS ON UNITS GREATER THAN 2".
Z. PROTECTIVE ENCLOSURE, SEE CITY STANDARD DWG. 2364 FOR CRITERIA.
AA. DRAIN, SIZE TO HANDLE FULL DISCHARGE OF RELIEF VALVE.
BB. ELECTRIC OUTLET FOR HEATED PROTECTIVE ENCLOSURE MUST BE PLACED AWAY FROM RELIEF VAL.
CC. BROOKS 17"DIA. VALVE BOX WITH BOLT DOWN COVER AND 6" DIA. EXTENSION.
DD. MASTER METER REFERENCE IRRIGATION LEGEND FOR SIZE. 2 WIRE SETUP, 2 BLUE FOR MASTER FLOW METER.

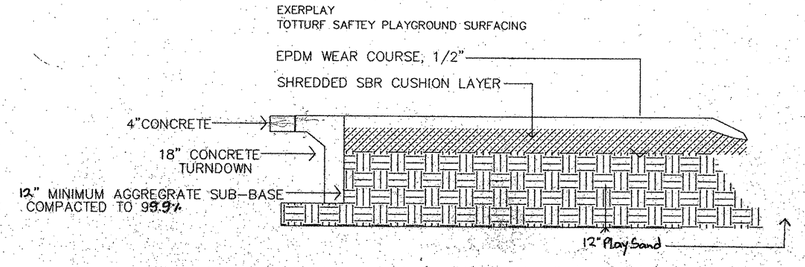
REVISIONS
12/91
12/92

CITY OF ALBUQUERQUE
LANDSCAPE
MASTER METER W. RPBA
DWG. 2701-8 NOV. 1990

POSTS
4 111404A 148 ALUM. POST
8 111404D 124 ALUM. POST
2 111404E 116 ALUM. POST
DECKS
1 136905C CURVED TRANSFER MOD LEFT
1 121948A KICK PLATE FOR 8 RISE
4 111228A SQUARE TENDERDECK
ENCLOSURES
1 116245A PIPE GUARDRAIL
PERMALENE PANELS
1 115253A HOLE PANEL
1 115254A STORE FRONT PANEL
SLIDES
1 123333A ROLLERSLIDE 40 DECK
1 123337A SINGLE POLY SLIDE 48 DECK
1 122033A SPYROSLIDE 72 DECK
BRIDGES
1 119289A CLATTERBRIDGE 84 W/HANDRAILS
CLIMBERS
1 128986A CATWALK CLIMBER 24 DIFF
1 123537B CORKSCREW W/PERM 48 DECK
1 123293B COZY CLIMBER W/PERM HANDHOLD
1 123538C LOOP POLE W/PERM 72 DECK
1 128608A SUMMIT CLIMBER 1 SIDES
1 116249B VERTICAL LADDER 40 DECK

Weight & Cost of Playstructure Items
Concrete: 46.70 cu-ft, Footings: 27
Labor: 57.75 Man-Hours

SPRING RIDERS
1 100017B CAR (PERMALENE)
1 100124B T-REX (PERMALENE)



TOTAL THICKNESS OF TOTTURF SYSTEM IS BASED UPON MAXIUM FALL HEIGHT OF PLAY EQUIPMENT POURED IN PLACE SAFETY SURFACE

POURED IN PLACE SAFETY SURFACE NTS

1/6

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTED BY
ACCEPTANCE BY
FIELD LOCATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
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X = 404,894.49, Y = 1,523,837.39, G-G = .9996566
DELTA ALPHA = 0°11'00", CENTRAL ZONE, (NAD 1927/SLD 1929)
ELEVATION = 5305.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES E. LAMPERTON 6-18-02

NO. DATE REMARKS BY
REVISIONS
DESIGN
DESIGNED BY IRT DATE 10/26/01
DRAWN BY IRT DATE 10/26/01
CHECKED BY DATE

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

DESERT RIDGE TRAILS PARK

DETAIL SHEET

DESIGN REVIEW COMMITTEE: APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED JAN 18 2002 CITY ENGINEER
LAST DESIGN UPDATE MO./DAY/YR. MO./DAY/YR.

CITY PROJECT NO. 675491 ZONE MAP NO. B-19-Z SHEET 6 OF 12

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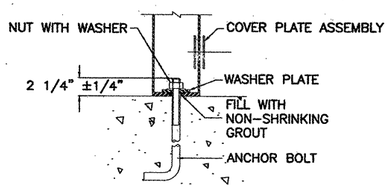
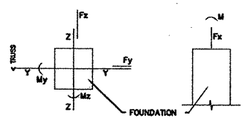
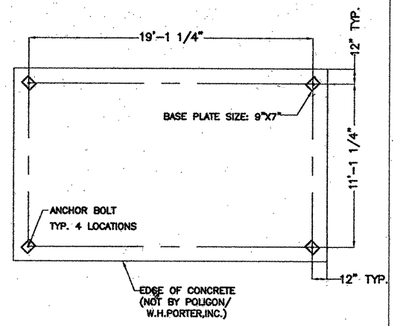


ANCHOR BOLT DETAIL





ANCHOR PLAN

DO NOT USE FOR CONSTRUCTION
ENGINEERING REVIEW MAY RESULT IN CHANGES TO LOADS/DIMENSIONS. ONLY USE DRAWINGS PROVIDED WITH SHELTER FOR CONSTRUCTION.

LOADS TO FOUNDATION (KIPS, FT. KIPS) REACTIONS

LOAD COMBINATION	VERT. (FY)	SHEAR (FX)	SHEAR (FZ)	MOMENT (MX)	MOMENT (MZ)
DEAD + LIVE LOAD	3.5	.51	0	0	0
DEAD + WIND LOAD X-DIR	-2.96	-.45	0	0	0
DEAD + WIND LOAD Z-DIR	-2.87	0	-.43	0	0

NOTES: PER D.R.C. RAM1624MU 11/19/98

DESIGN OF FOUNDATION TO BE PERFORMED BY AN ENGINEER OR ARCHITECT. THIS DRAWING IS NOT INTENDED AS A FOUNDATION DESIGN. IT IS SUBMITTED AS A REFERENCE TO MINIMUM SLAB DIMENSIONS AND ANCHOR BOLT LOCATIONS.

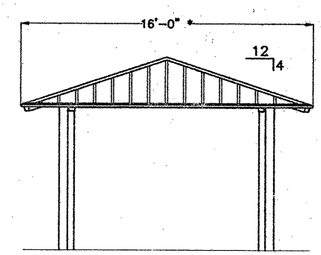
IF WALLS ARE TO BE SPECIFIED, CONSULT FACTORY FOR REVISED SLAB DIMENSIONS.

poligon® PARK ARCHITECTURE

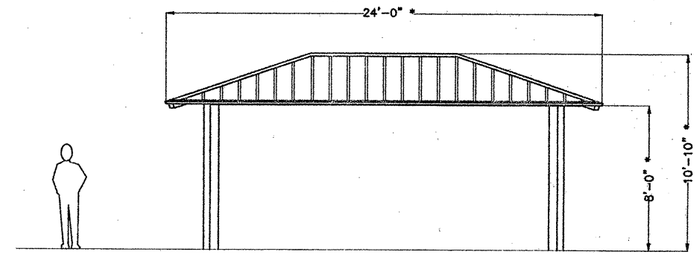
TITLE ANCHOR LAYOUT SCALE 3/8" = 1'-0"
DRAWN BY ISSUED 5/01/01 DWG.NO. RAM1624MR-AB
CHECKED BY

PROJECT POLIGON RAM 16 X 24 MR
METAL PANEL ROOFING
(USE FOR PLANNING PURPOSES ONLY)

SHEET AB



END VIEW



RAM 16 X 24 MR
MULTI-RIB METAL ROOFING

* APPROXIMATE

- NOT FOR CONSTRUCTION -
USE FOR PLANNING AND ESTIMATING ONLY

poligon® PARK ARCHITECTURE

TITLE SHELTER ELEVATIONS SCALE 3/8" = 1'-0"
DRAWN BY ISSUED 5/01/01 DWG.NO. RAM1624MR-E
CHECKED BY

PROJECT RAM 16 X 24 MR
METAL MULTI-RIB ROOFING

SHEET EL

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AS BUILT INFORMATION

CONTRACTOR
STAKED BY DATE
INSPECTOR'S CHANGE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO. DATE

SURVEY INFORMATION

BENCH MARKS

"11-C18", THE STATION IS LOCATED 7.8 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT. THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "11-C18 1985". IT IS RIVETED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.
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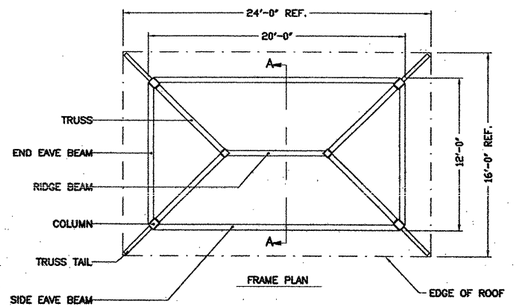
DELTA ALPHA = 011'00", CENTRAL ZONE, (NAD 1927/SLD 1929)
ELEVATION = 5,305.00'

FIELD NOTES

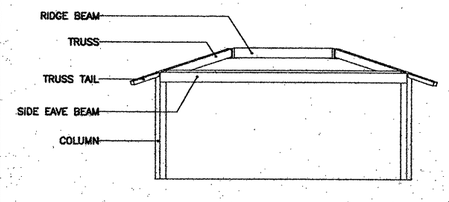
NO.	BY	DATE

ENGINEER'S SEAL

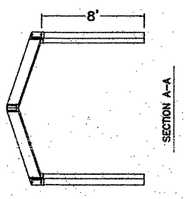
6-8-02



FRAME PLAN



FRAME ELEVATION



SECTION A-A

NOTES
FOR FINAL TIGHTENING, USE TURN OF NUT METHOD: USING A SPUD WRENCH, TIGHTEN AS MUCH AS POSSIBLE WITH A NORMAL MANS STRENGTH. THEN, USING AN EXTENSION, TIGHTEN AN ADDITIONAL 1/3 TURN.

FRAME MUST BE PLUMB, SQUARE AND BOLTS TIGHTENED BEFORE INSTALLING PURLINS, IF REQUIRED. PURLINS MUST BE PARALLEL TO THE EAVE BEAMS AND TENSION MEMBERS.

FASTENERS: ALL BOLTS USED FOR STRUCTURAL CONNECTIONS ARE ASTM A325. DO NOT SUBSTITUTE WITH A LESSER GRADE. INSPECTION OF HIGH STRENGTH BOLTING, IF REQUIRED, TO BE PER CHAPTER 17 OF THE UNIFORM BUILDING CODE 1994 EDITION.

FRAME FINISH: FRAME COMPONENTS ARE RED OXIDE PRIME PAINTED ONLY. FINISH PAINT ON-SITE WITH MATERIALS AND LABOR BY OTHERS.

ORNAMENTATION FINISH: ORNAMENTATION AND RAILING ARE ZINC PLATED. FINISH PAINT ON-SITE WITH MATERIALS AND LABOR BY OTHERS.

FINISH OPTIONS: POWDER COATING, E-COATING, AND GALVANIZING ARE FINISH OPTIONS AVAILABLE AT AN ADDITIONAL CHARGE FOR BOTH FRAME AND ORNAMENTATION.

MATERIAL SPECIFICATIONS
TUBULAR SHAPES: ASTM A500 GRADE B 46 KSI
COLD FORMED CEES: A570 GRADE 55
CONNECTION BOLTS: ASTM A325
CONNECTION PLATES: ASTM A36
ANCHOR BOLTS: ASTM A307
WELDING PROCESS: GAS METAL ARC WELDING
WELDING ELECTRODES: E70xx

COLUMN SIZE: 8"X6"

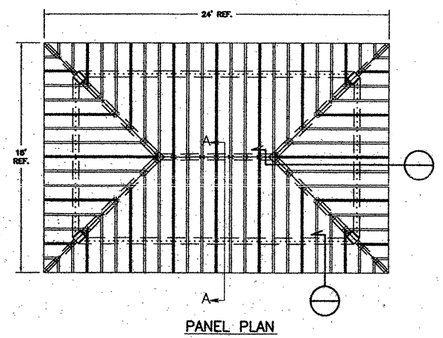
- NOT FOR CONSTRUCTION -
USE FOR PLANNING AND ESTIMATING ONLY

poligon® PARK ARCHITECTURE

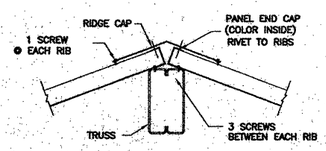
TITLE FRAME ASSEMBLY SCALE 3/8" = 1'-0"
DRAWN BY ISSUED 5/01/01 DWG.NO. RAM1624MR-FR
CHECKED BY (283-855)

PROJECT POLIGON RAM 16 X 24 MR

SHEET FR

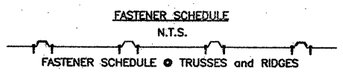


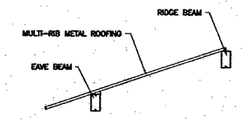
PANEL PLAN



SECTION @ TRUSS
N.T.S.

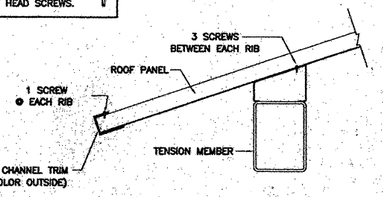
FASTENER SCHEDULE
N.T.S.





SECTION A-A

ALL ROOFING SCREWS
#12-14x1" SELF-TAPPING
GASKET HEAD SCREWS.



SECTION @ EAVE
N.T.S.

poligon® PARK ARCHITECTURE

TITLE ROOF PANEL INSTALLATION SCALE 3/8"=1'-0"
DRAWN BY ISSUED 4/01/01 DWG.NO. RAM1624MR-F
CHECKED BY

PROJECT POLIGON RAM 16 X 24 MR
MULTI-RIB METAL ROOFING

SHEET RF

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The Hilltop

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY IRT DATE 10/26/01
DRAWN BY IRT DATE 10/26/01
CHECKED BY DATE

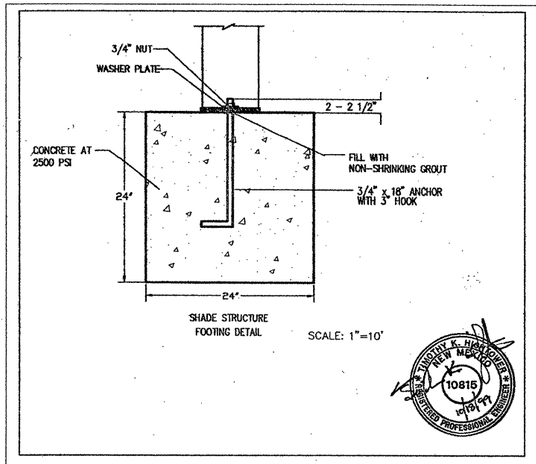
DESERT RIDGE TRAILS PARK

DETAIL SHEET

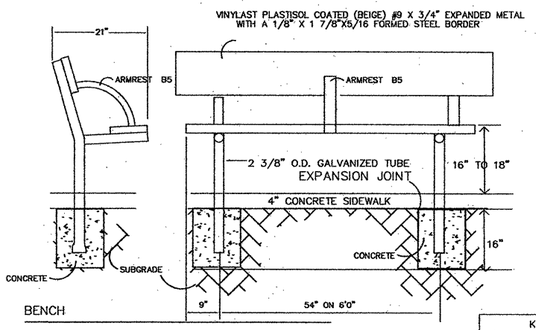
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE	APPROVED JUN 18 2002 ENGINEER			

CITY PROJECT NO. 675491 ZONE MAP NO. B-19-Z SHEET 7 OF 12

SHADE STRUCTURE



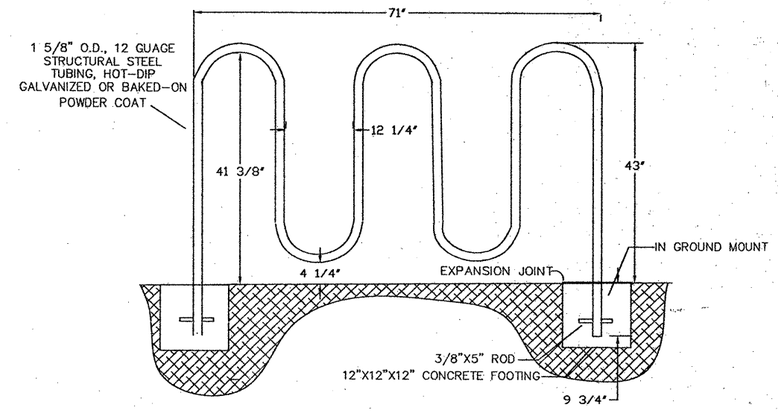
SHADE STRUCTURE FOOTING DETAIL



BENCH

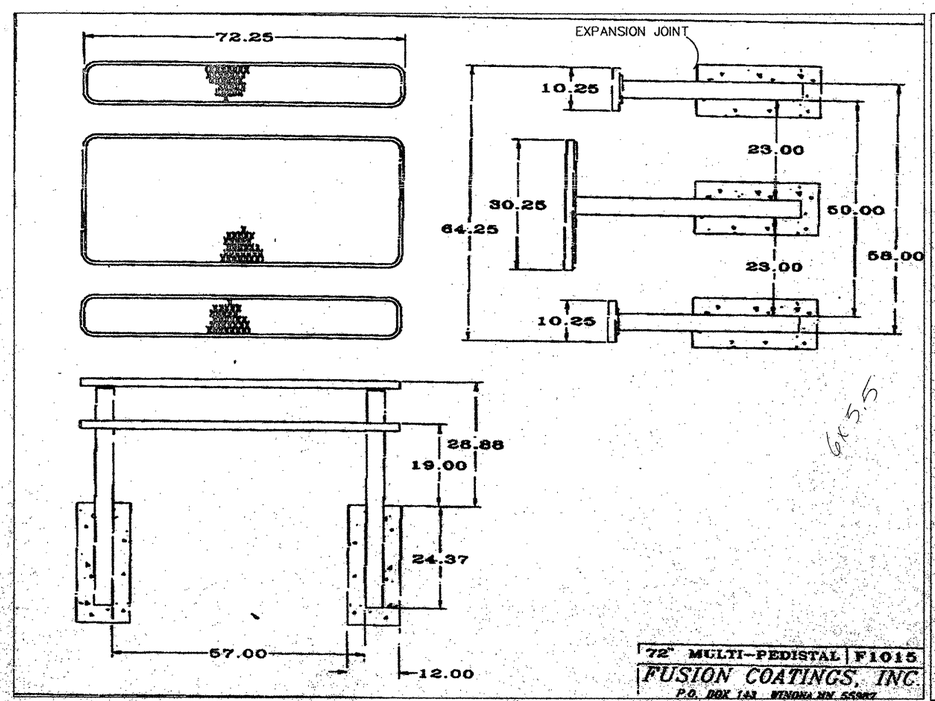
KAY PARK	
62SGVPSM	101/124
9/24/99	NONE

1 5/8" O.D. LOOP STYLE BIKE RACK
7 SPACES, 5 LOOPS

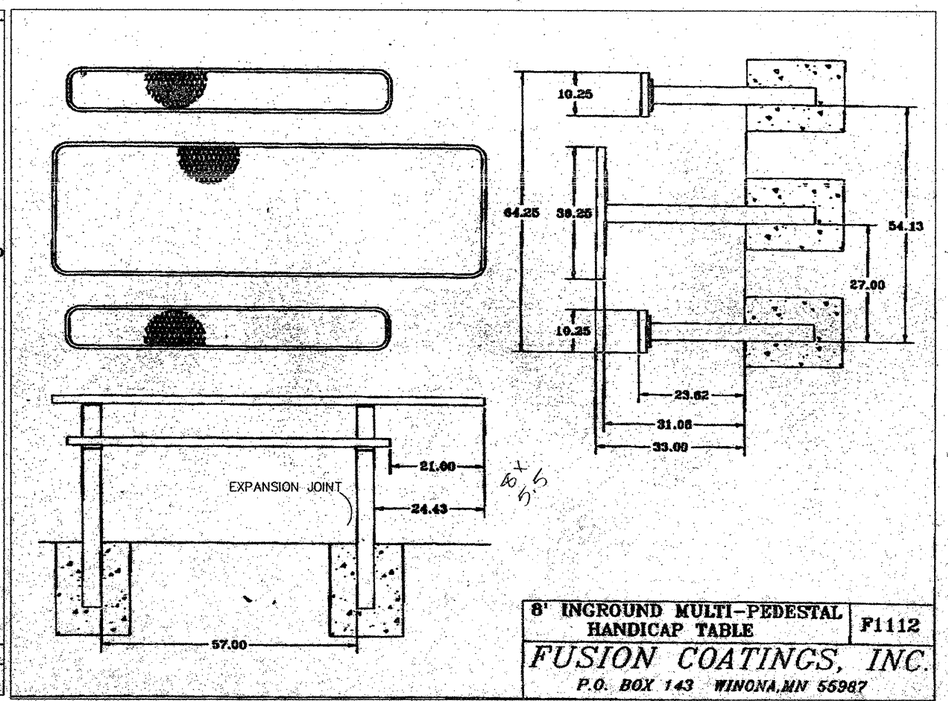


BIKE RACK DETAIL

KAY PARK	
615G-1G/SM	43/51#
10/07/92	NO SCALE



PICNIC TABLE DETAIL (COLOR: BEIGE) NTS



HANDICAP ACCESSIBLE TABLE DETAIL (COLOR: BEIGE) NTS

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
RED LINE DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

"11-C15", THE STATION IS LOCATED 7.8 MILES N. OF DOWNTOWN ALBUQUERQUE, TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND COORDINAL BLVD., 6.5 MILES TO THE SOUTHEAST, TURN LEFT, THE STATION IS ON THE RIGHT SIDE.
STAMPED "11-C15 1985" IT IS BUILTED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.
X = 404,684.48, Y = 1,521,813.78, C-C = .9999566
DELTA ALPHA = 0°11'00", CENTRAL ZONE, (NAD 1927/SLD 1928)
ELEVATION = 5355.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY IRT DATE 10/26/01
DRAWN BY IRT DATE 10/26/01
RECORD BY DATE

The Hilltop

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

DESERT RIDGE TRAILS PARK

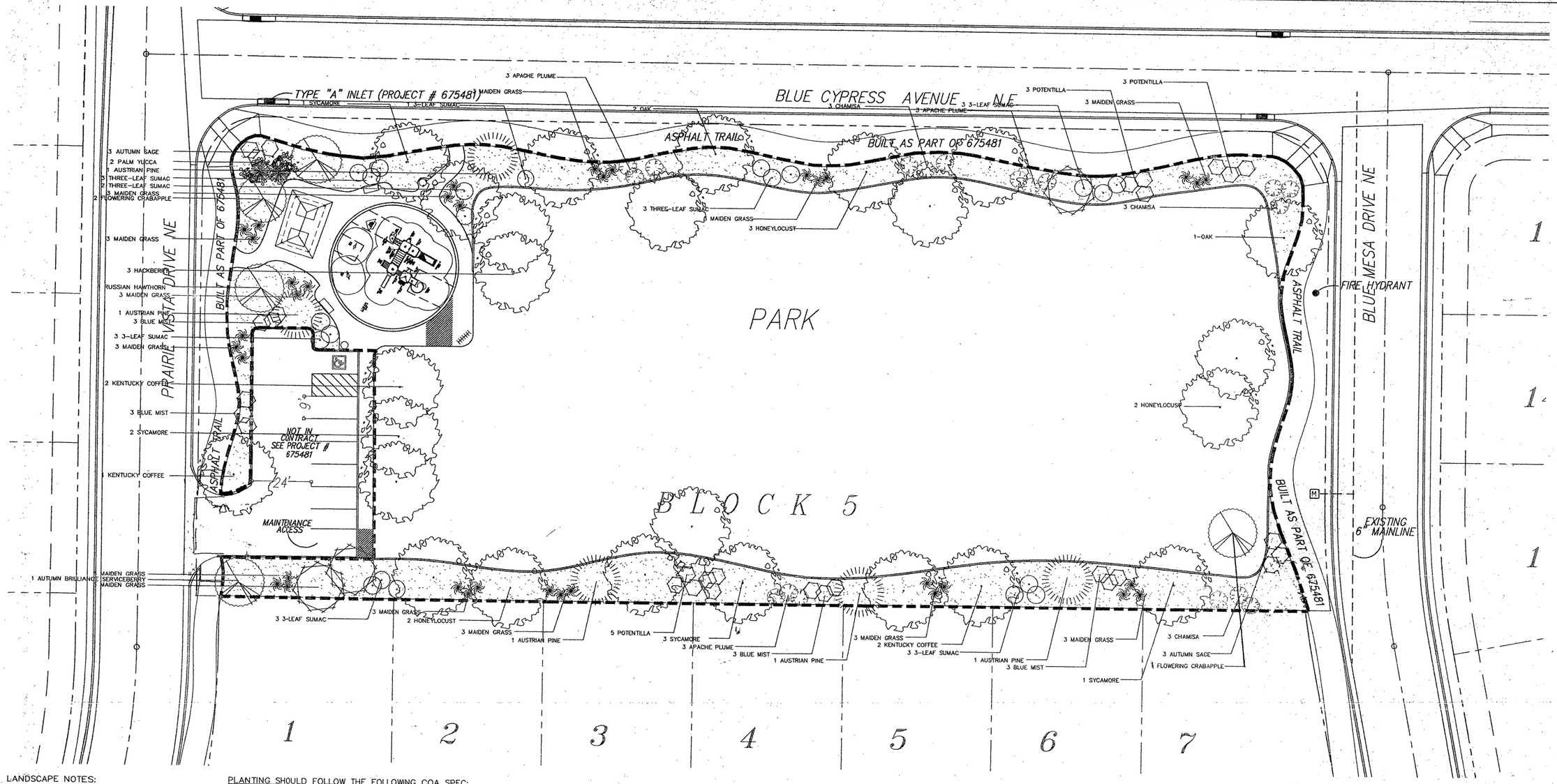
DETAIL SHEET

DESIGN REVIEW COMMITTEE: APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JUN 18 2002 CITY ENGINEER

LAST DESIGN UPDATE MO./DAY/YR.

CITY PROJECT NO. 675-91 ZONE MAP NO. B-19-Z SHEET 8 OF 12



LANDSCAPE NOTES:

Landscape maintenance shall be the responsibility of the Property Owner.

It is the intent of this plan to comply with the City Of Albuquerque, Water Conservation Landscaping and Water Waste Ordinance, planting restriction approach.

Approval of this plan does not constitute or imply exemption from water waste provisions of the Water Conservation Landscaping and Water Waste Ordinance. Water management is the sole responsibility of the Property Owner.

All landscaping will be in conformance with the City of Albuquerque Zoning Code, Street Tree Ordinance, Pollen Ordinance, and Water Conservation Landscaping, and Water Waste Ordinance. In general, water conservative, environmentally sound landscape principles will be followed in design and installation.

Plant beds shall achieve 75% live ground cover at maturity.

3/4" Santa Fe Brown Gravel over Filter Fabric shall be placed in all landscape areas which are not designated to receive native seed.

NO TREES TO BE PLANTED WITHIN 8' OF A CURB OR SIDEWALK

PLANTING SHOULD FOLLOW THE FOLLOWING COA SPEC:

SHRUBS #2717

TREES #2714

TREES IN TURF # 2713

LEGEND

25	SHADE TREES (H) OAK (TEXAS RED, SCHUMARD) ARIZONA SYCAMORE (Platanus wrightii) KENTUCKY COFFEE TREE (Gymnocladus dioicus) HONEYLOCUST (Gleditsia triacanthos inermis) HACKBERRY (Celtis occidentalis) 2" Cal.	min 30' O.C.	TO 60' MAX
5	AUSTRIAN PINE (H) Pinus nigra 6'-8'	min 20' O.C.	TO 35' MAX
5	ORNAMENTAL TREES (H) FLOWERING PEAR (Pyrus calleryana) FLOWERING CRABAPPLE (Malus spp.) RUSSIAN HAWTHORN (Crateagus ambigua) AUTUMN BRILLIANCE SERVICEBERRY (Amelanchier x grandiflora) 1 1/2" Cal. or 15 GAL	min 20' O.C.	TO 25' MAX
3	DESERT WILLOW (L) Chilopsis linearis 15 GAL	min 20' O.C.	TO 25' MAX
	PALM YUCCA (L)		TO 8' MAX
	THREE-LEAF SUMAC (M) Rhus trilobata 5 GAL	min 6' O.C.	48"TO 60" MAX
	MAIDEN GRASS (M) Miscanthus sinensis 5 GAL	min 6' O.C.	3' TO 6' MAX
	AUTUMN SAGE/POTENTILLA (M) Salvia greggii Potentilla fruticosa 5 GAL	min 6' O.C.	TO 36" MAX
	CHAMISA/APACHE PLUME (L) Chrysothanmus nauseosus Fallugia paradoxa 5 GAL	min 5' O.C.	2' TO 5' MAX
	ON-SITE BOULDERS		

NO TREE IS TO BE PLANTED WITHIN 12 FEET OF WALKS OR CURBS

GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY DATE
INSPECTOR ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

"11-C18", THE STATION IS LOCATED 7.8 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT. THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "11-C18 1985". IT IS RIVETED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND. X = 404,894.49, Y = 1,523,837.39, G-G = .9996566. DELTA ALPHA = 0°11'00", CENTRAL ZONE, (NAD 1927/SLD 1929).

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY JRT DATE 10/26/01

DRAWN BY JRT DATE 10/26/01

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: DESERT RIDGE TRAILS PARK
PLANTING PLAN

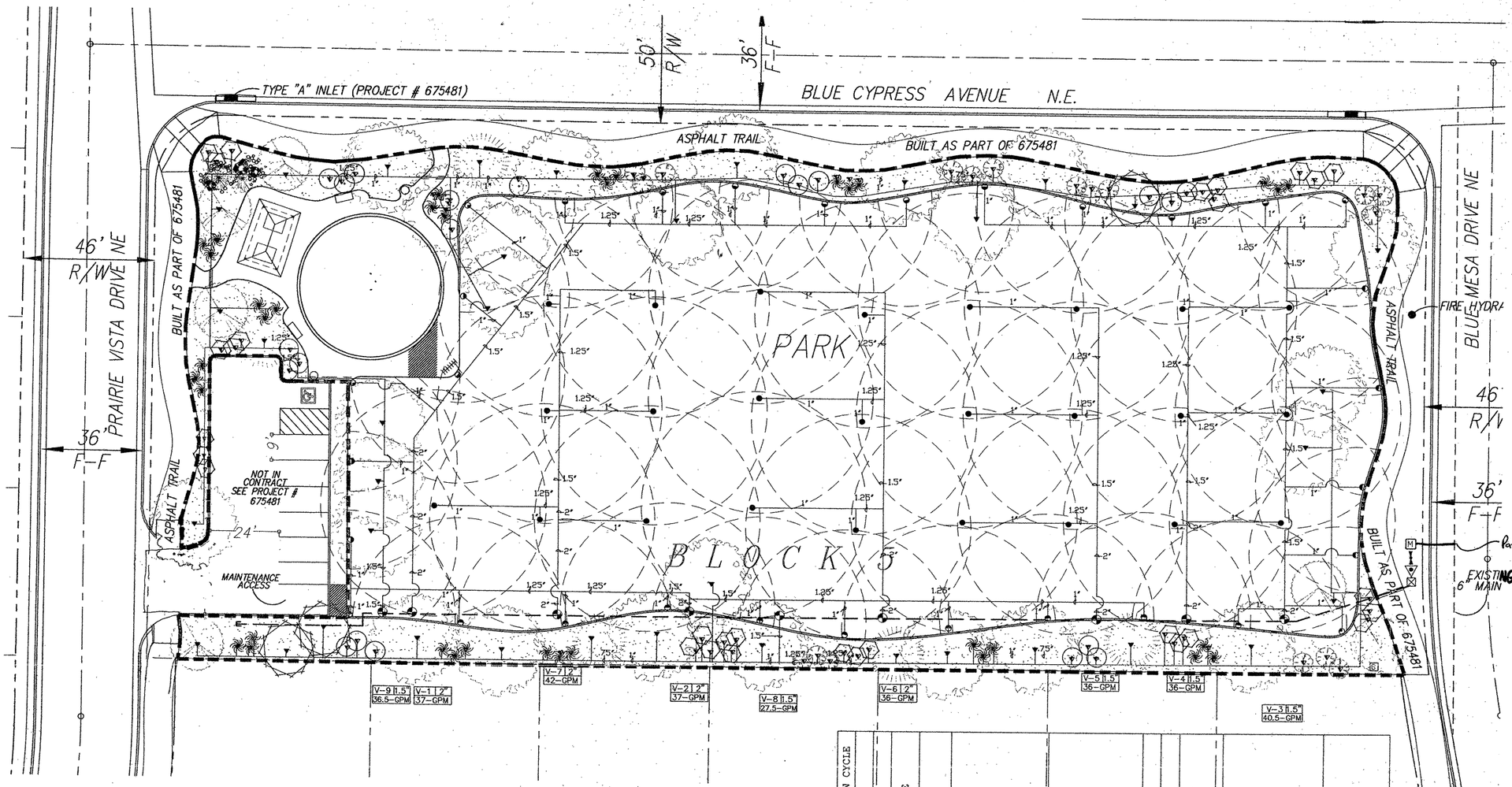
PARKS & RECREATION: APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JUN 18 2002 CITY ENGINEER

LAST DESIGN UPDATE | MO./DAY/YR. | MO./DA

CITY PROJECT NO. 675481 | ZONE MAP NO. B-19-Z | SHEET 9 OF

F:\ACAD DWG\COMMERCIAL\Desert Ridge Trails\Park\PP.dwg, 04/25/2002 11:28:01 AM, 1:1



IRRIGATION LEGEND

- M — 2" PROPOSED WATER METER
- 24-VOLT WIRE SLEEVES, SIZE 2".
- SLEEVE PIPING FOR LATERALS AND IRRIGATION MAIN LINE, CLASS 200 SDR-21, SOLVENT WELD PVC. SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVE DEPTH FOR LATERALS SHALL BE 18" SLEEVE DEPTH FOR IRRIGATION MAIN LINE SHALL BE 18".
- MANUAL VALVE ASSEMBLY MATCO BRASS BODY GATE VALVE WITH CROSS HANDLE SIZE 2".....PER C.O.A. DETAIL 2706
- BACKFLOW PREVENTER ASSEMBLY, FEBCO 825-Y-2" REDUCED PRESSURE BACKFLOW PREVENTER WITH 2" MASTER METER MASTER VALVE UNIT IN HOT BOX #2 ENCLOSURE.....OER C.O.A. DETAIL 2701-B
- IRRIGATION MAINLINE CLASS 200 GASKET PIPE, SIZE 2.5", 28" DEPTH OF BURY.
- AUTOMATIC VALVE ASSEMBLY, RAIN BIRD #PEB SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL AND MANUAL ACTIVATION, SIZE AS SHOWN ON PLAN.....PER C.O.A. DETAIL 2703
- LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY. ALL LATERAL PIPING 3/4" UNLESS OTHERWISE INDICATED ON PLAN.
- C — SOLVENT WELD CAP, SCH. 40 PVC SIZE.
- C — IRRIGATION CONTROLLER IRRINET 16 STATION

FIXED BUBBLER ASSEMBLY ON 1/2" SCH 80 RISER PER C.O.A. DETAIL 2710 & 2711

MODEL	GPM		PSI
1401	.25 GPM	@	40 PSI
1404	1.0 GPM	@	40 PSI

ROTOR POP-UP SPRINKLER HUNTER I-20 BODY WITH NOZZLES AS FOLLOWS: SEE DETAIL

NOZZLE	AREA OF COVERAGE			GPM	PSI
#4.0	90	40'	RADIUS	3.7	40
#4.0	180	40'	RADIUS	3.7	40
#8.0	360	41'	RADIUS	6.0	40

IRRIGATION NOTES:

Irrigation will be operated by automatic controller.

CONTROLLER TO BE SET IN AN Interspec Box ENCLOSURE MUST BE ACCESSIBLE TO MAINTENCE PERSONNEL.

SYSTEM DESIGNED AT . . P.S.I. AT RP

CITY STANDARD MASTER VALVE DETAIL #2701-B (SEE SHEET 6 OF 12)
CITY STANDARD TREE BUBBLER DETAIL #2710

CONTROL VALVES TO BE LOCATED IN TURF AREA.

These drawings are diagrammatic.
In some cases, irrigation components may be shown outside of planting areas for clarity. The irrigation contractor shall avoid any conflicts between the irrigation system, planting materials, and above ground utilities. Irrigation pipe and wiring shall be installed in landscaped areas whenever possible.

ALL TREES ARE TO BE LOCATED AT LEAST 10' AWAY FROM ALL VALVES, HEADS, AND LINES

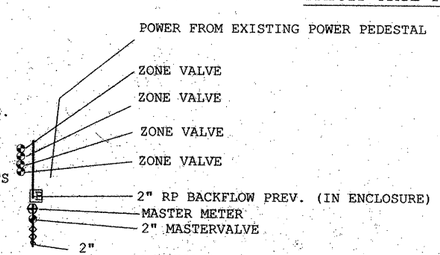
A PLANTING WELL WILL BE FORMED AT THE BASE OF EACH GROUPING OF SHRUBS TO PROVIDE ADEQUATE WATER DISTRIBUTION FROM BUBBLLERS.

ALL PIPE SIZED AS NOTED

CONTRACTOR MUST VERIFY WATER PRESSURE
CONTRACTOR MUST NOTIFY L.A.& CITY INSPECTOR OF RESULTS OF PRESSURE TEST AT START OF CONSTRUCTION

IRRIGATION CYCLE	STATION	VALVE #	VALVE SIZE	TOTAL GPM	HEAD TYPE	NOZZLE	QTY	PSI	RADIUS	GPM - EA	RUN TIME
1	8	9	2"	37.0	1401 BUBBLERS	N/A	85	40	N/A	.25 & 1.0 GPM	25 MIN
1	2	2	2"	37.0	HUNTER I-20	4.0	10	40	40'	3.7	45 MIN
1	3	3	2"	40.5	HUNTER I-20	4.0	10	40	40'	3.7	45 MIN
1	4	4	2"	36.0	HUNTER I-20	8.0	6	40	41'	6.0	45 MIN
1	8	8	2"	27.5	1401 BUBBLERS	N/A	60	40	N/A	.25 & 1.0 GPM	25 MIN
1	5	5	2"	36.0	HUNTER I-20	8.0	6	40	41'	6.0	45 MIN
1	6	6	2"	36.0	HUNTER I-20	8.0	6	40	41'	6.0	45 MIN
1	7	7	2"	42.0	HUNTER I-20	8.0	7	40	41'	6.0	45 MIN
1	1	1	2"	37.0	HUNTER I-20	4.0	11	40	40'	3.7	45 MIN

TOTAL RUN TIME= 6 HOURS
PRECIP RATE FOR FULL HEADS = .75" PER 6 HOURS
PRECIP RATE FOR PART HEADS = .48 " PER 6 HOURS



METER SIZE = 2"
TOTAL GPM = 42

GRAPHIC SCALE

20 10 0 10 20

SCALE: 1"=20'

NEUMARK
IRRIGATION SUPPLIES
811 RANKIN RD. NE
ALBUQUERQUE, NM 87107
FAX: (505) 344-9703
TEL: (505 345-7847
(800) 841-0480
BJ

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY		DATE
NO.		

BENCH MARKS

"11-C18". THE STATION IS LOCATED 7.8 MILES N. E. OF DOWNTOWN ALBUQUERQUE. TO REACH THE STATION FROM THE INTERSECTION OF I-40 AND LOUISIANA BLVD. 6.25 MILES TO THE STATION ON THE LEFT. THE STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "11-C18 1985". IT IS RIVETED TO A 2 1/2" ALUMINUM TUBE SET WITH THE CAP PROJECTING 0.1 FT. ABOVE THE GROUND.
X = 404,894.49, Y = 1,523,837.39, G-G = .9996568
DELTA ALPHA = 0°11'00", CENTRAL ZONE, (NAD 1927/SLD 1929)
ELEVATION = 5305.00'

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES E. FLOW NEW MEXICO 6-10-02

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY NEUMARK DATE 10/26/01
DRAWN BY NEUMARK DATE 10/26/01
CHK'D BY DATE

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: DESERT RIDGE TRAILS PARK IRRIGATION PLAN

DESIGN REVIEW COMMITTEE: APPROVED JUN 18 2002 DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL: APPROVED JUN 18 2002 CITY ENGINEER

LAST DESIGN UPDATE | MO./DAY/YR: | MO./DAY:

CITY PROJECT NO. 675481 | ZONE MAP NO. B-19-Z | SHEET 10 OF 12

CAD DWG\COMMERCIAL\Desert Ridge Trails\Park\IPNEUMARK.dwg, 04/25/2002 10:37:45 AM, 1:1

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24HOUR PER DAY BASIS UNTIL COMPLETED. (1)

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. (2) 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

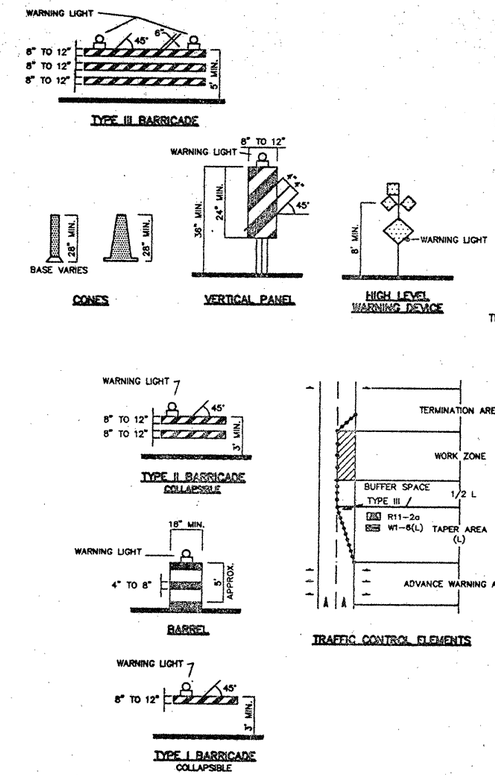
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. (3)

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. (4)



LEGEND

	WORK AREA
•	BARRICADE – TYPE I, TYPE II, OR BARREL
	BARRICADE – TYPE III
X	VERTICAL PANEL
	WARNING SIGN
D	DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	TAPER LENGTH – SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

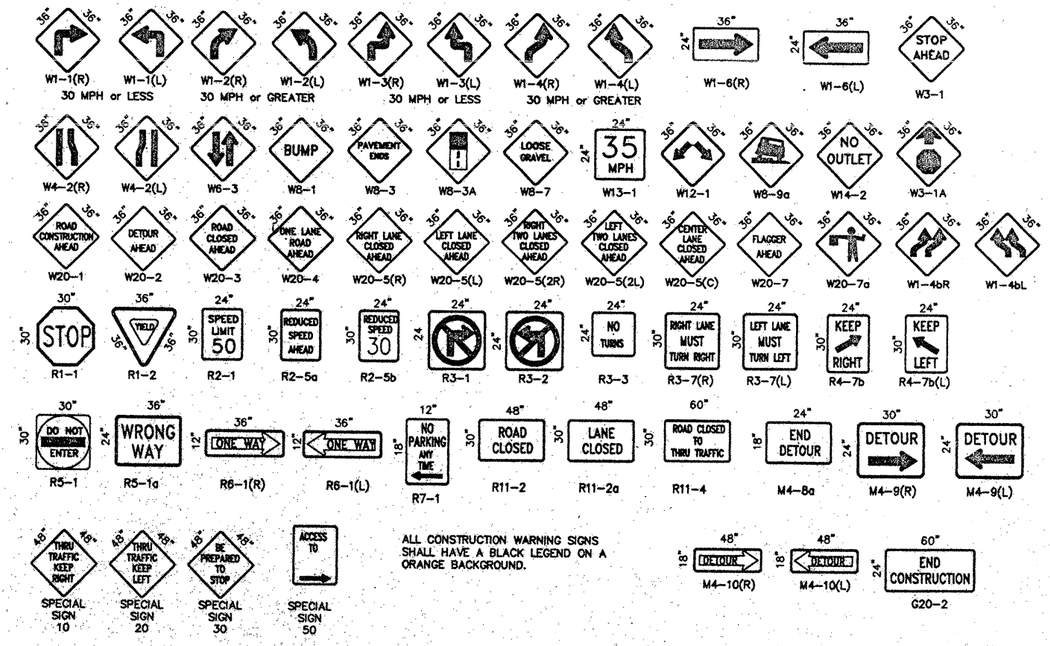
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
VERIFICATION DRAWING BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	8/25/91	ADD NOTE NO. 27	J.D.L.
2	9/24/97	REVISED NOTE NO. 26	J.D.L.
3	9/24/97	REVISED NOTE NO. 19	J.D.L.
4	9/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS

DESIGN
DESIGNED BY DATE
DRAWN BY C.O.A. STANDARDS DATE
CHECKED BY DATE

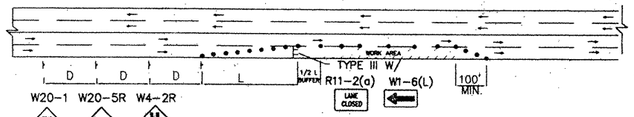
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

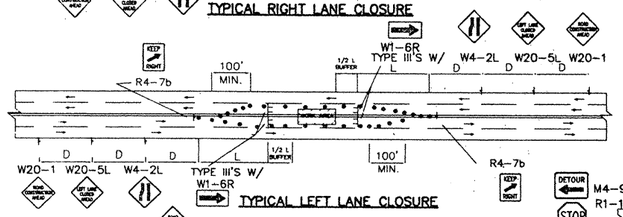
DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA	STD			

PROJECT NO. | MAP NO. | SHEET 11 OF 12

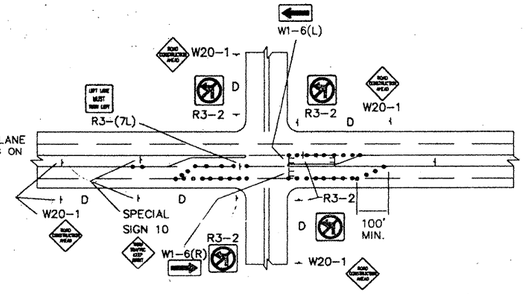
CTCSTN01.DWG



TYPICAL RIGHT LANE CLOSURE

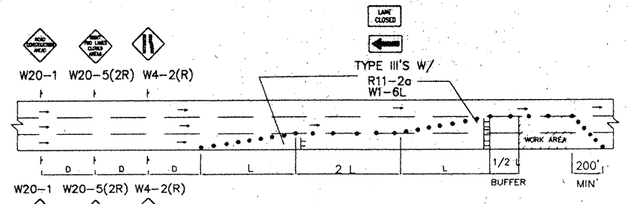


TYPICAL LEFT LANE CLOSURE

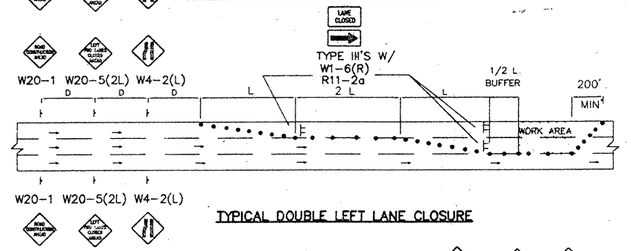


TYPICAL LANE CLOSURE AT INTERSECTION

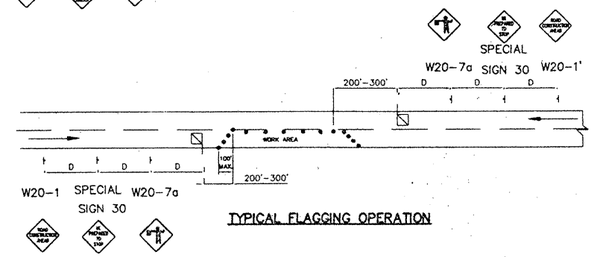
NOTE: DEPENDING ON WORK ZONE LOCATION



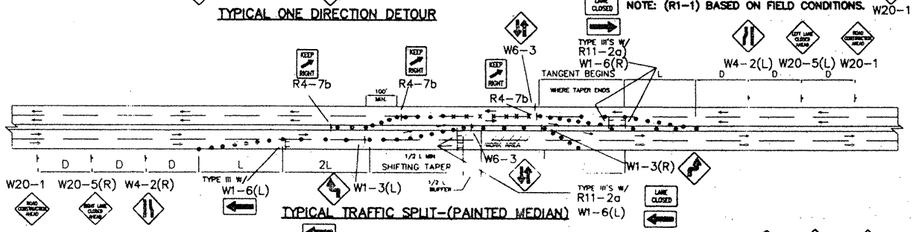
TYPICAL DOUBLE RIGHT LANE CLOSURE



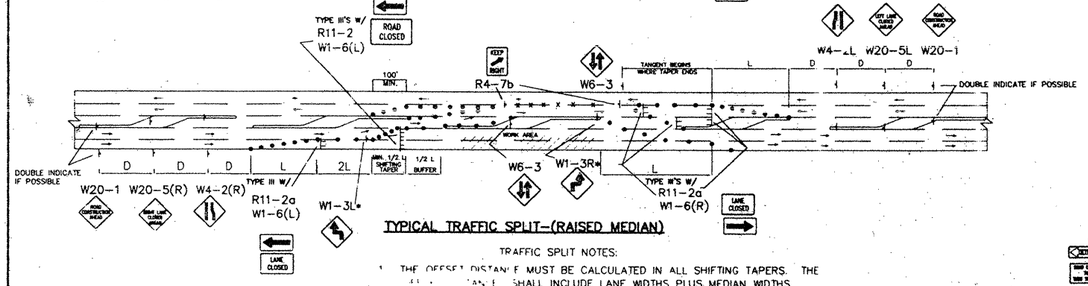
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



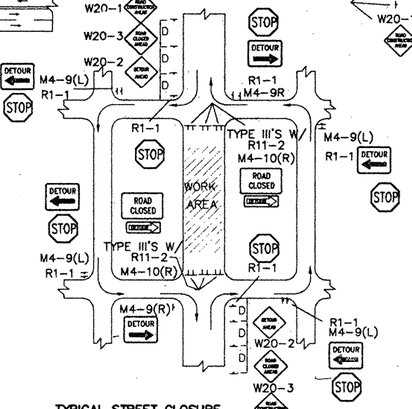
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

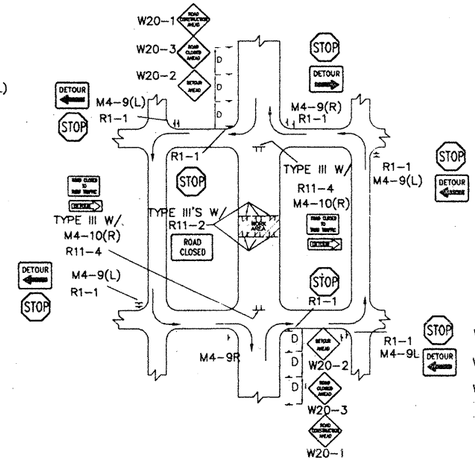
TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE [illegible] SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. [illegible] SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE [illegible] SUFFICIENT MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



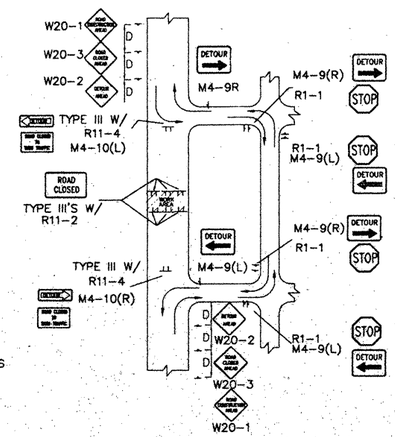
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



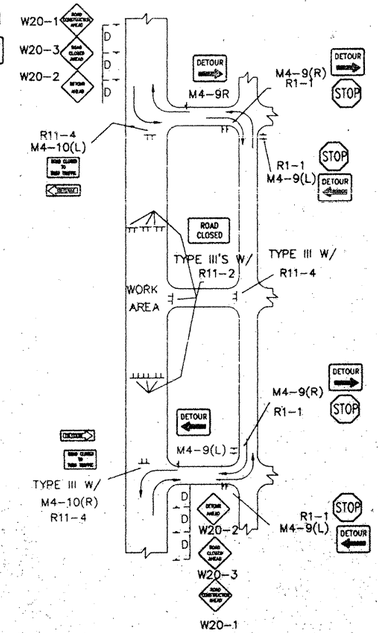
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



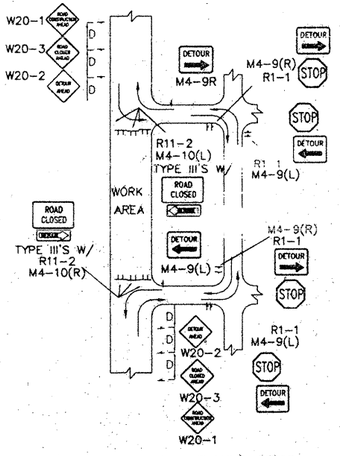
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



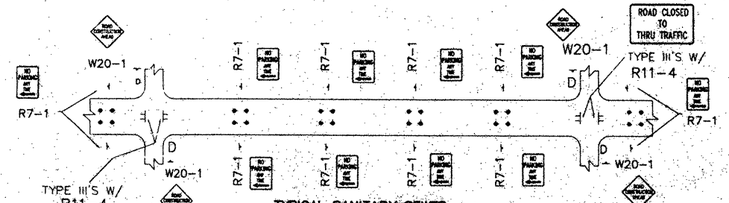
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT. ⚠

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REVISED GENERAL NOTE	BY
1	9/24/97	REMARKS	J.D.L.

REVISIONS

DESIGNED BY — DATE
C.O.A. STANDARDS
DRAWN BY — DATE
CHECKED BY — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITEE: COA STD
CITY ENGINEER APPROVAL
LAST UPDATE — MO./DAY/YR

PROJECT NO. | MAP NO. | SHEET 12 OF 12

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