

RIVERVIEW PARK
GOLF COURSE RD. AND BUTTERFIELD TRAIL NW

NOTE: THIS PROJECT IS DESIGNATED FOR CLASS I CONSTRUCTION

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURAL AND CONSTRUCTION SERVICE
SECTION

LANDSCAPE PLANS

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CONSTRUCTION NOTES:

1. WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.

2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.

5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
6. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

7. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

8. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.

9. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

10. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

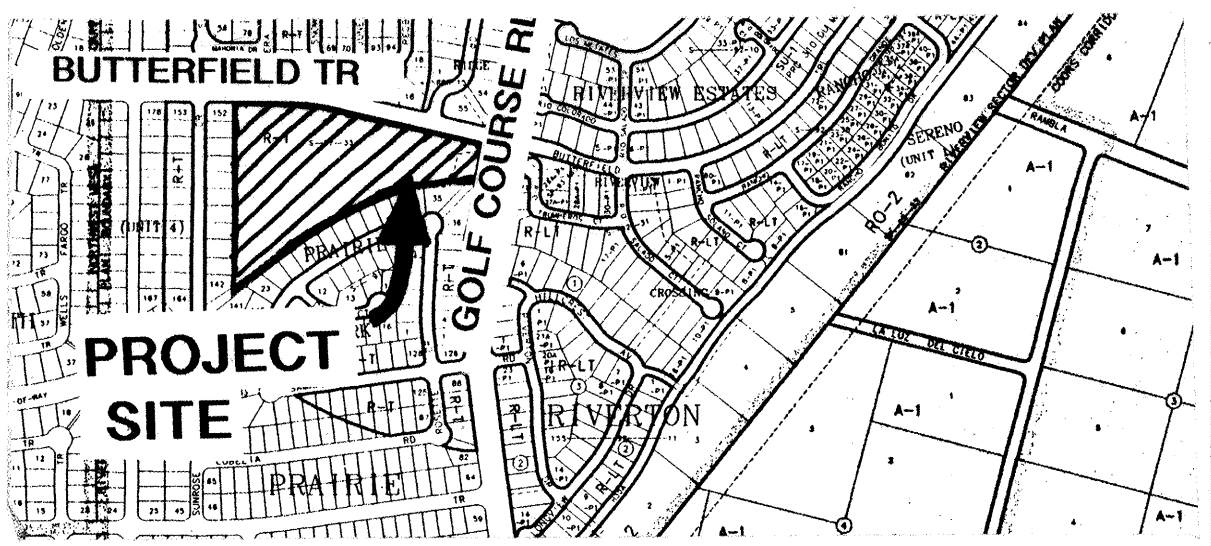
12. ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR PER PLAN.

13. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

14. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

15. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.

16. ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.



VICINITY MAP

NOT TO SCALE
D-12-2



NOTICE TO CONTRACTORS

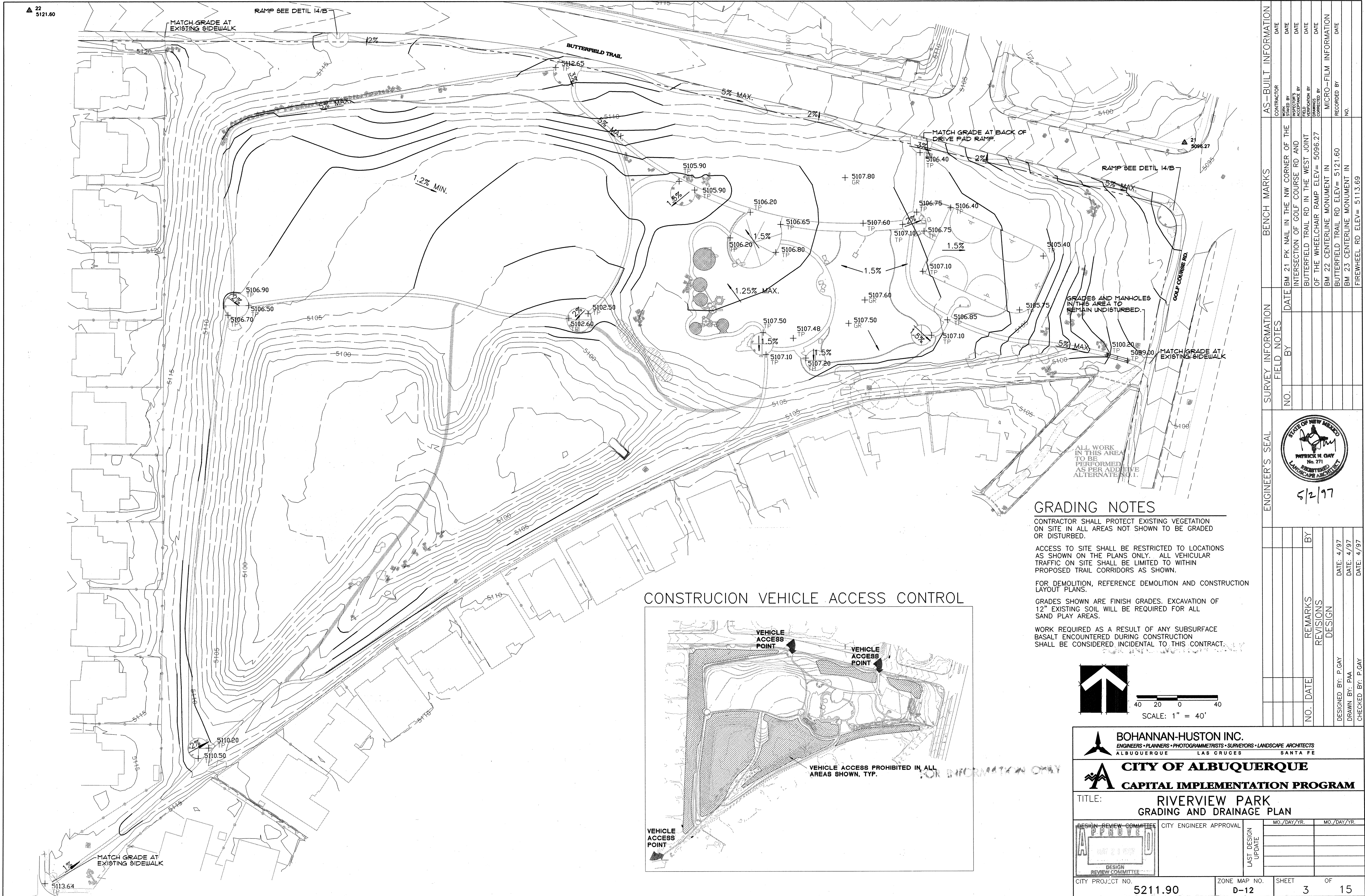
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE No.6
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) 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 IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- THREE (3) 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.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING CITY FACILITIES. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED IN KIND, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. REPLACEMENTS SHALL BE AT THE CONTRACTOR'S EXPENSE, AS PER C.O.A. SPECS.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

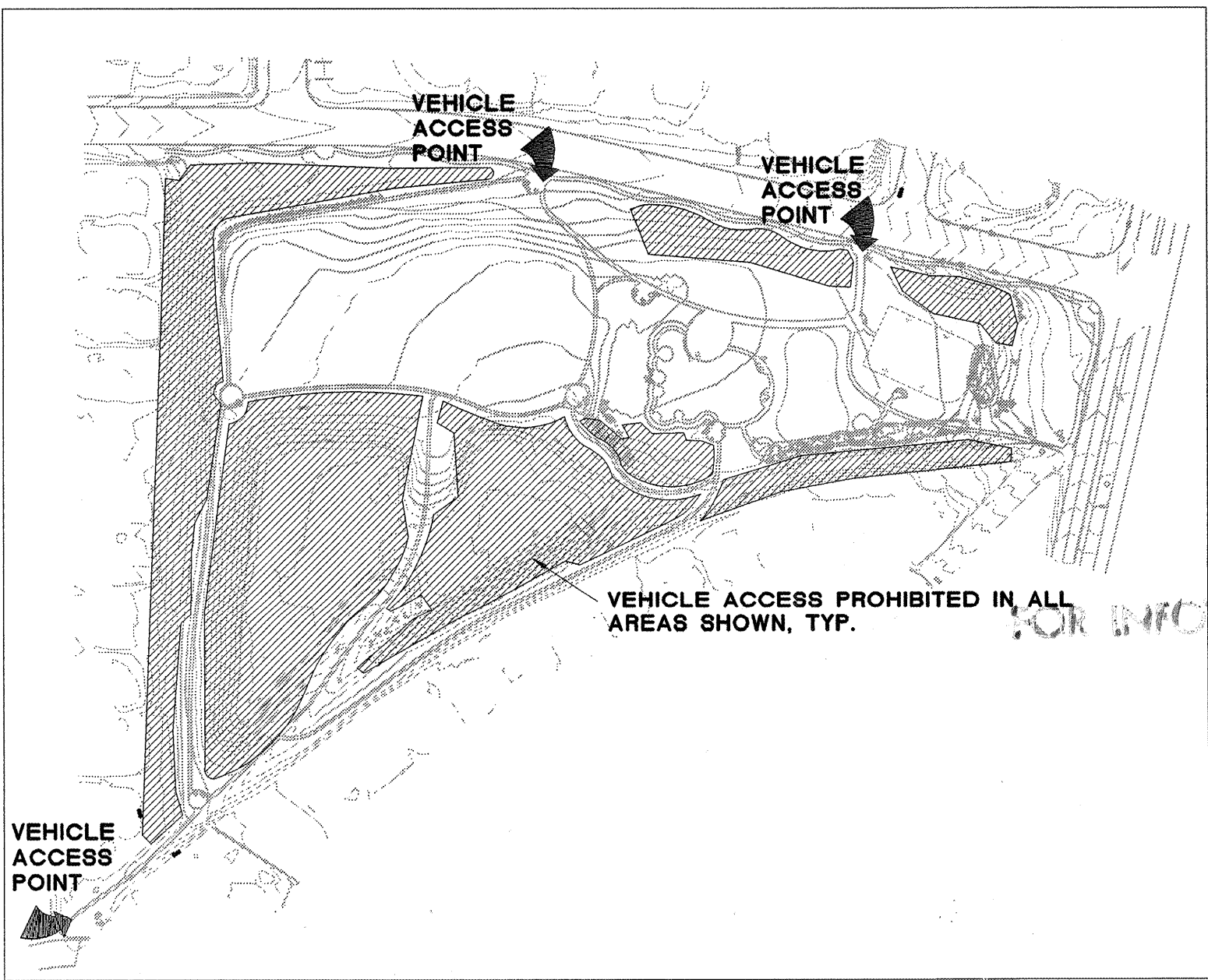
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPRESSED 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.

FOR INFORMATION ONLY

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
 5/2/97		DRC Chairman	<i>Billie G. Gaskin</i>	5/2/97	<i>Patrick N. Gay</i> 5/2/97 City Engineer Date		
		Transportation	<i>Tommy D. ...</i>	5/2/97			
		Water/Wastewater	<i>...</i>	5/2/97			
		Hydrology	<i>...</i>	5/2/97			
		C.I.P.	<i>...</i>	5/2/97			
		Const. Mngmt.	<i>...</i>	5/2/97			
		CITY PROJECT NO.		5211.90		SHEET 1 OF 15	



CONSTRUCION VEHICLE ACCESS CONTROL



GRADING NOTES

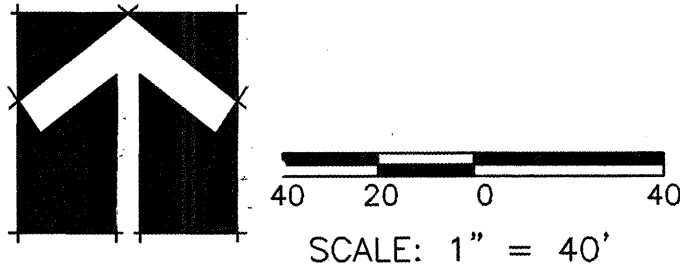
CONTRACTOR SHALL PROTECT EXISTING VEGETATION ON SITE IN ALL AREAS NOT SHOWN TO BE GRADED OR DISTURBED.

ACCESS TO SITE SHALL BE RESTRICTED TO LOCATIONS AS SHOWN ON THE PLANS ONLY. ALL VEHICULAR TRAFFIC ON SITE SHALL BE LIMITED TO WITHIN PROPOSED TRAIL CORRIDORS AS SHOWN.

FOR DEMOLITION, REFERENCE DEMOLITION AND CONSTRUCTION LAYOUT PLANS.

GRADES SHOWN ARE FINISH GRADES. EXCAVATION OF 12" EXISTING SOIL WILL BE REQUIRED FOR ALL SAND PLAY AREAS.

WORK REQUIRED AS A RESULT OF ANY SUBSURFACE BASALT ENCOUNTERED DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.



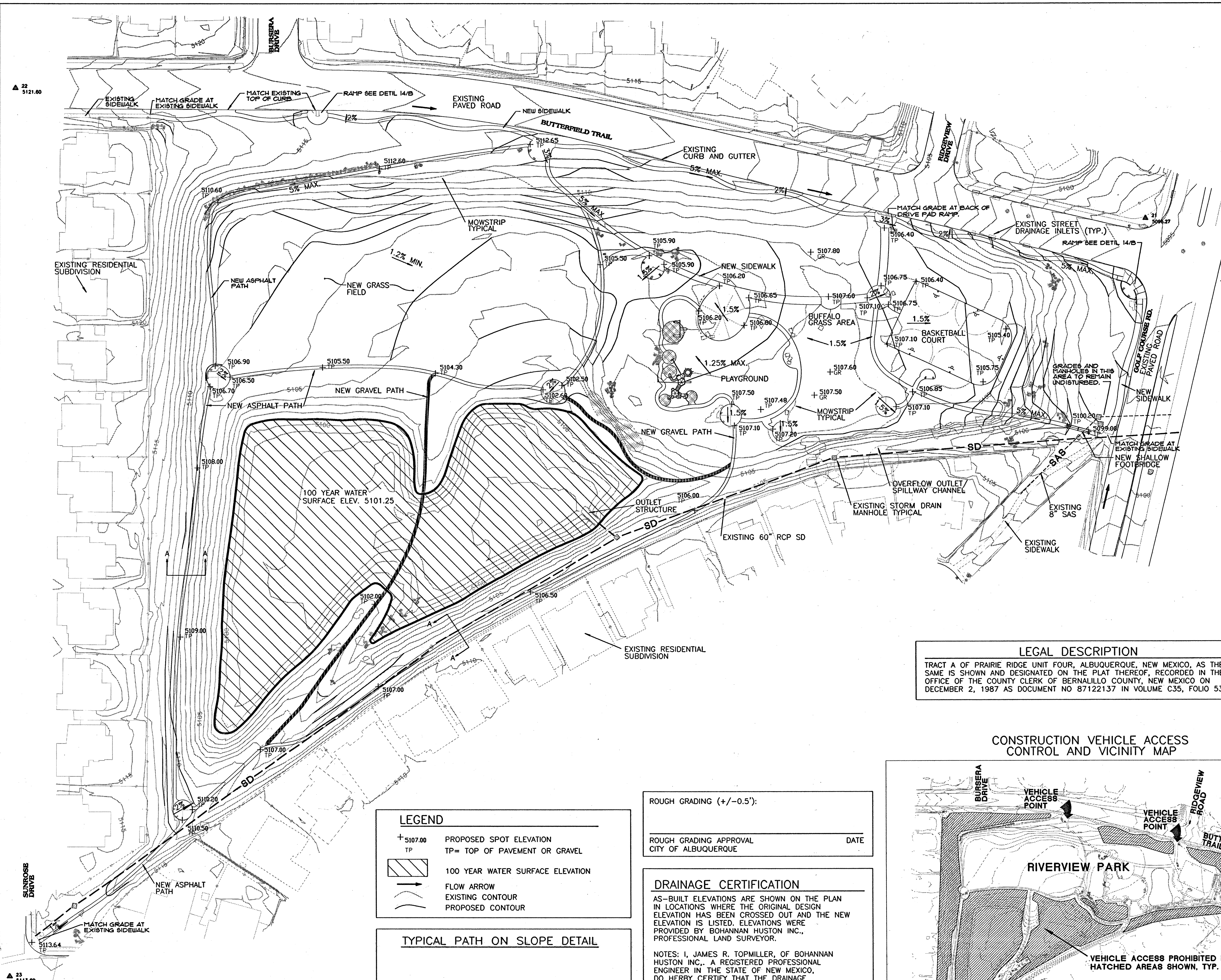
BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE:
**RIVERVIEW PARK
GRADING AND DRAINAGE PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
 DESIGN REVIEW COMMITTEE			

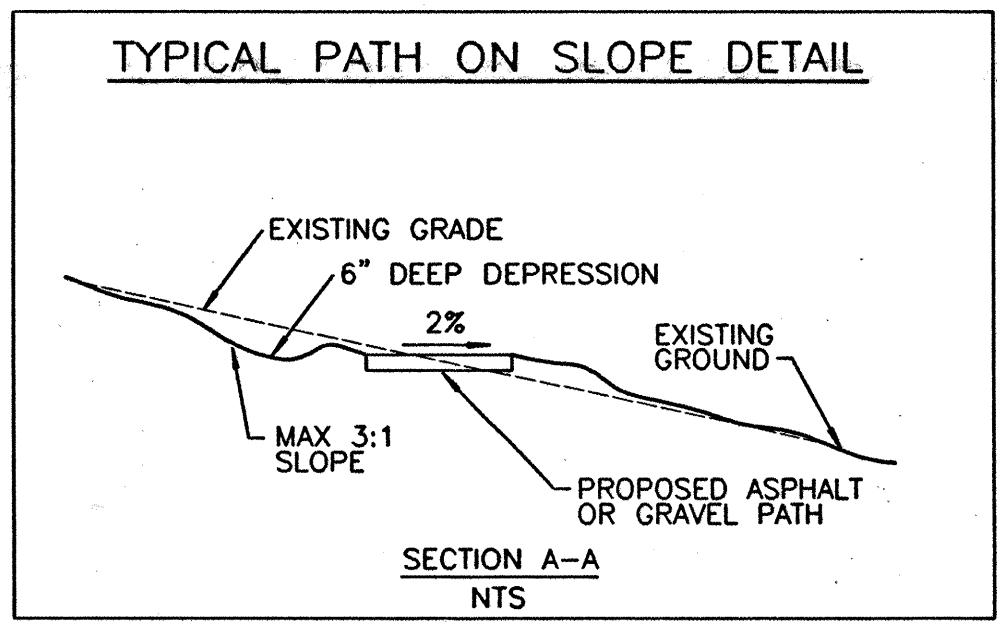
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5211.90	D-12	3	15



LEGAL DESCRIPTION
TRACT A OF PRAIRIE RIDGE UNIT FOUR, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT THEREOF, RECORDED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON DECEMBER 2, 1987 AS DOCUMENT NO 87122137 IN VOLUME C35, FOLIO 53.

LEGEND

- +5107.00 TP PROPOSED SPOT ELEVATION
TP= TOP OF PAVEMENT OR GRAVEL
- 100 YEAR WATER SURFACE ELEVATION
- FLOW ARROW
- EXISTING CONTOUR
- PROPOSED CONTOUR



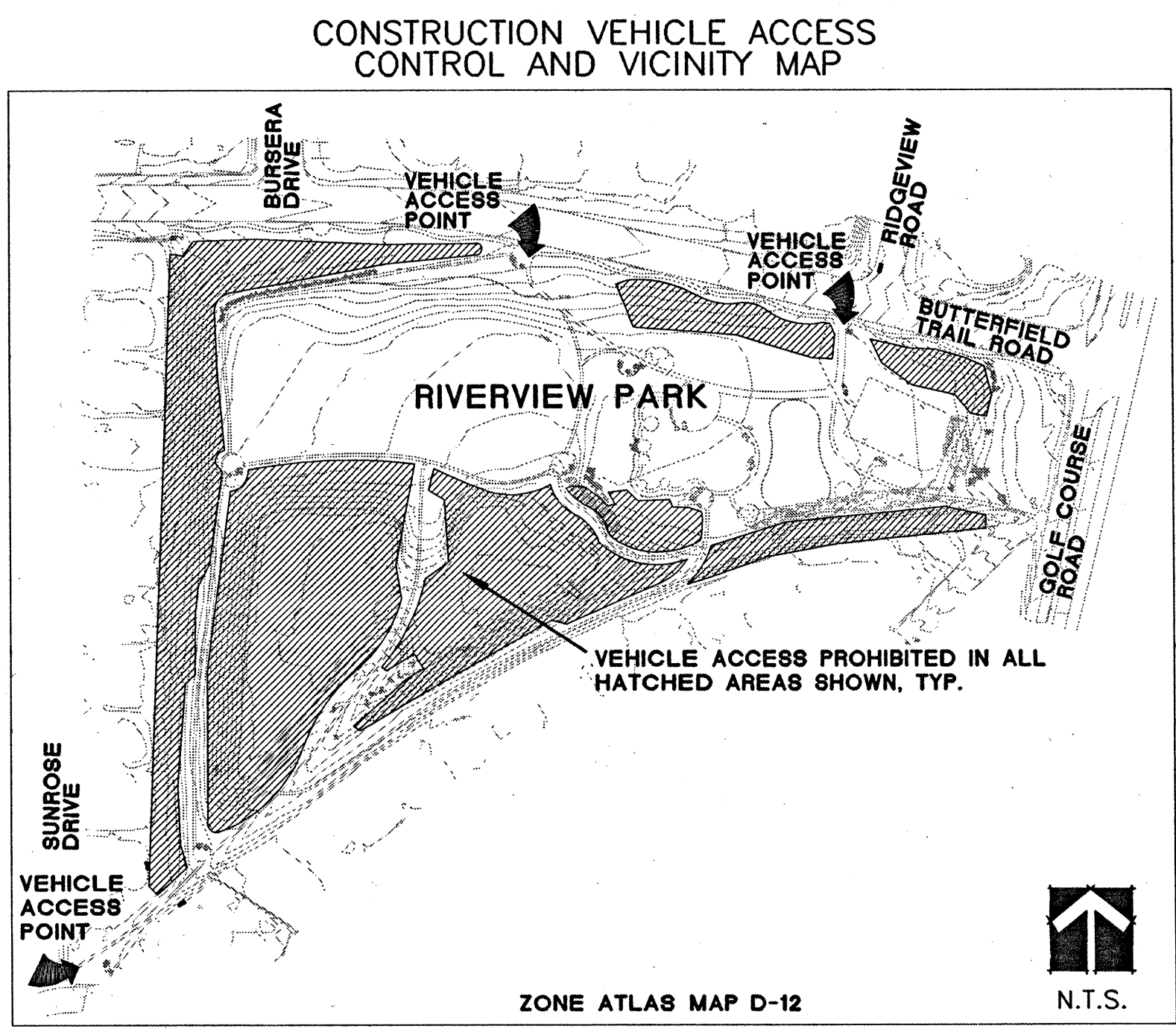
ROUGH GRADING (+/-0.5'):

ROUGH GRADING APPROVAL _____ DATE _____
CITY OF ALBUQUERQUE

DRAINAGE CERTIFICATION
AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN IN LOCATIONS WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE NEW ELEVATION IS LISTED. ELEVATIONS WERE PROVIDED BY BOHANNAN HUSTON INC., PROFESSIONAL LAND SURVEYOR.

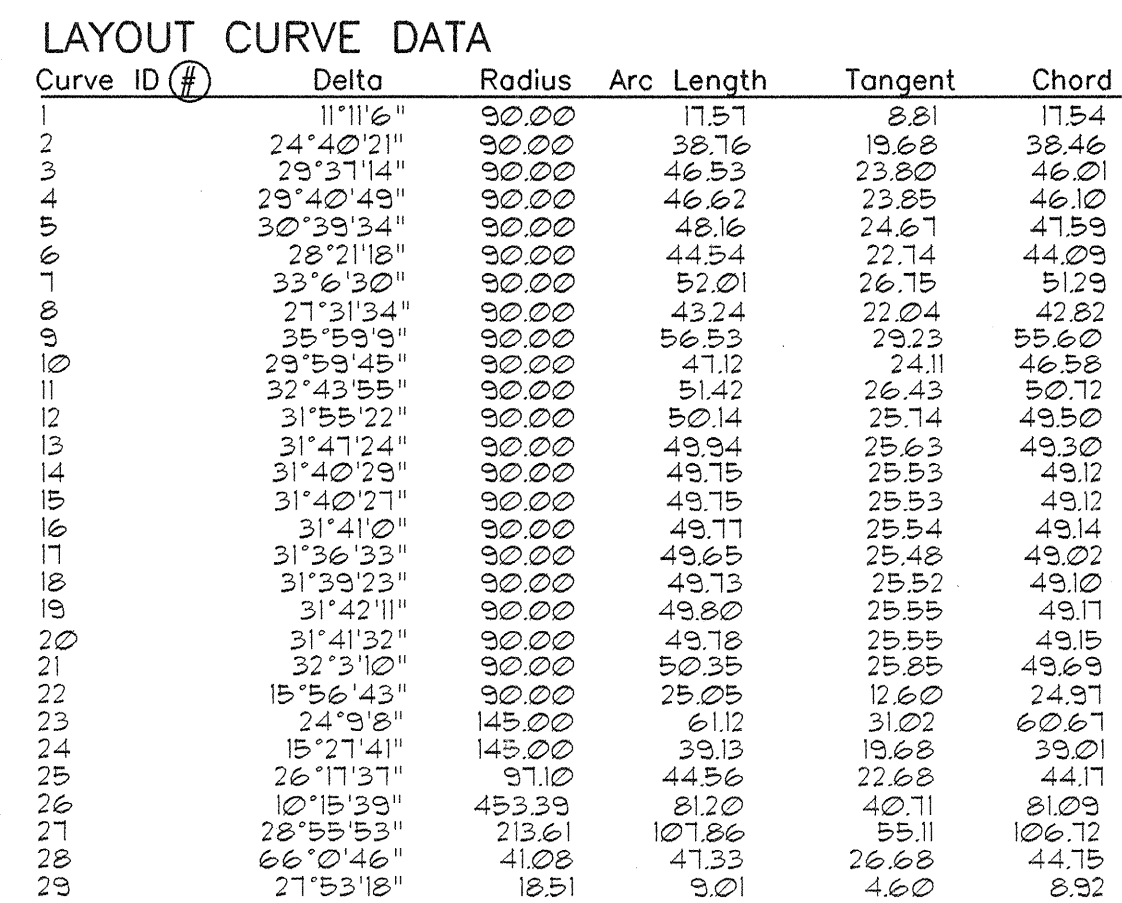
NOTES: I, JAMES R. TOPMILLER, OF BOHANNAN HUSTON INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE DRAINAGE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAMES TOPMILLER, P.E.
N.M.P.E. NO. 9354 _____ DATE _____



- GRADING NOTES**
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION ON SITE IN ALL AREAS NOT SHOWN TO BE GRADED OR DISTURBED.
 - ACCESS TO SITE SHALL BE RESTRICTED TO LOCATIONS AS SHOWN ON THE PLANS ONLY. ALL VEHICULAR TRAFFIC ON SITE SHALL BE LIMITED TO WITHIN PROPOSED TRAIL CORRIDORS AS SHOWN.
 - FOR DEMOLITION, REFERENCE DEMOLITION AND CONSTRUCTION LAYOUT PLANS.
 - GRADES SHOWN ARE FINISH GRADES. EXCAVATION OF 12" EXISTING SOIL WILL BE REQUIRED FOR ALL SAND PLAY AREAS.
 - WORK REQUIRED AS A RESULT OF ANY SUBSURFACE BASALT ENCOUNTERED DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT. THE CONTRACTOR MUST CONFORM TO ALL COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS, PERMITS AND APPROVALS. THE COST FOR REQUIRED MEASURES SHALL BE INCIDENTAL TO THE PROJECT COSTS.
 - THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.
 - A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
 - EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL, UNLESS SHOWN OTHERWISE.
 - DRAINAGE SWALES SHALL HAVE A MINIMUM 0.5% SLOPE IN THE DIRECTION OF FLOW.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
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 - THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, ETC.).
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 - OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
					</		



Curve ID (#)	Delta	Radius	Arc Length	Tangent	Chord	Curve ID
30	10°34'49"	318.84	588.88	739.52	58.19	60
31	10°33'42"	468.89	866.43	433.34	86.31	61
32	11°03'39"	366.00	1093.11	552.71	103.30	62
33	6°27'38"	271.00	234.45	16.38	28.01	63
34	6°49'45"	442.04	444.63	44.68	6.88	64
35	24°12'18"	147.03	81.82	45.76	86.52	65
36	50°13'33"	116.91	102.52	54.81	99.27	66
37	41°53'34"	54.53	39.93	20.98	39.00	67
38	61°31'36"	61.18	70.00	39.19	66.31	68
39	66°37'43"	54.91	63.86	35.05	66.02	69
40	11°02'11"	172.64	33.15	16.63	33.10	70
41	42°47'40"	58.87	43.22	22.64	42.26	71
42	16°59'41"	104.27	30.53	15.58	30.81	72
43	1°42'00"	819.27	153.42	16.11	15.42	73
44	10°31'33"	964.99	177.37	88.94	171.12	74
45	43°51'38"	93.83	71.83	27.18	70.09	75
46	47°28'16"	131.73	103.18	10.10	10.15	76
47	49°15'13"	50.72	64.93	26.40	42.66	77
48	10°23'44"	840.53	155.50	16.46	15.19	78
49	5°45'33"	214.93	136.16	69.41	136.14	79
50	34°48'36"	270.39	127.40	137.42	69.37	80
51	21°48'14"	90.38	34.39	17.41	34.13	81
52	19°14'33"	176.1	5.31	2.98	5.88	82
53	41°11'38"	1650.57	123.07	31.53	122.98	83
54	3°41'08"	205.81	37.53	16.33	37.33	84
55	62°38'47"	16.40	20.12	11.20	19.13	85
56	15°37'45"	296.00	70.43	35.38	70.26	86
57	6°51'16"	936.50	64.18	32.13	64.13	87
58	8°21'43"	610.79	89.14	44.65	89.06	88
59	1°06'	4346.48	871.38	43.69	871.37	89

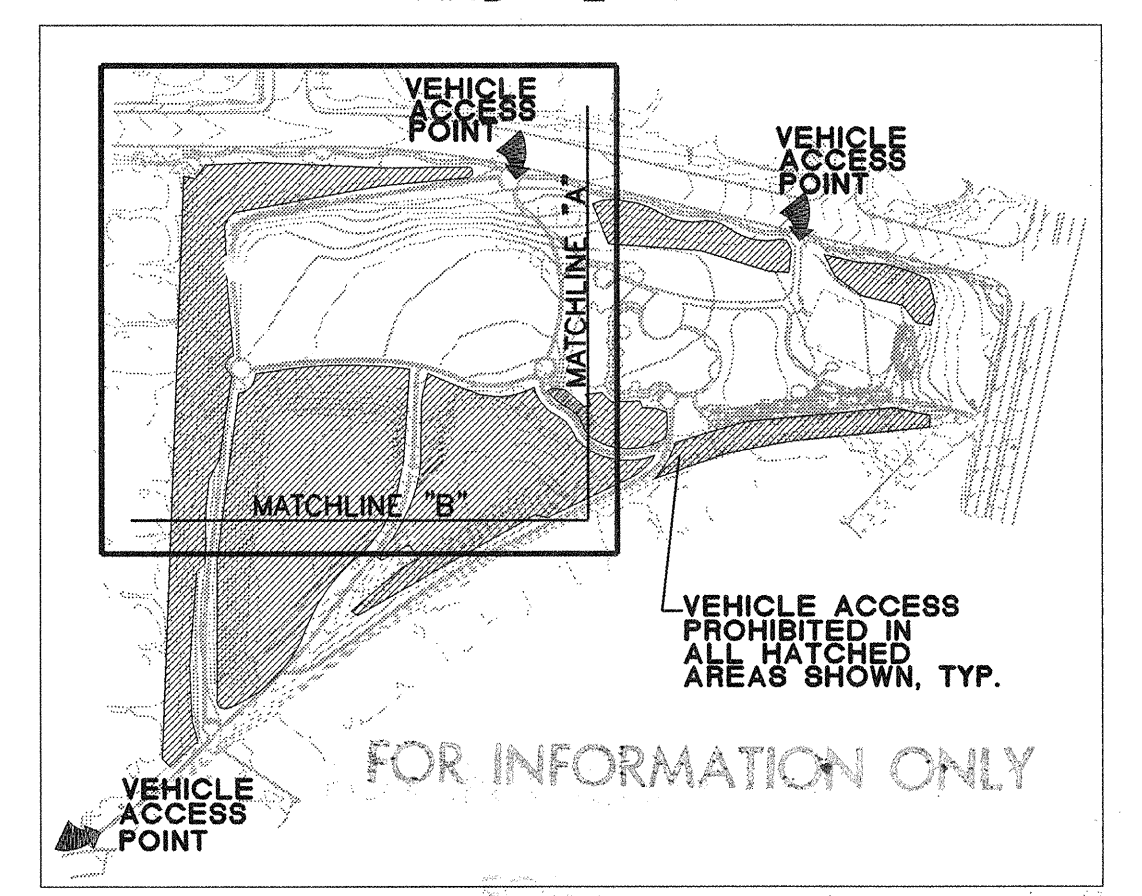
	Radius	Arc Length	Tangent	Chord
57°43'36"	89.71	16.12	20.60	161.05
57°13'25"	102.45	20.05	44.34	285.00
56°47'33"	495.08	88.56	25.05	50.03
2°13'12"	117.83	41.03	22.05	41.00
3°30'53"	115.33	44.28	24.00	44.08
4°47'58"	261.83	92.56	56.14	92.18
5°12'35"	545.28	156.86	87.46	163.90
5°52'19"	365.71	34.61	11.32	34.60
1°31'11"	453.39	12.03	6.01	12.02
5°12'35"	53.04	56.61	31.21	54.01
5°12'35"	53.04	56.61	31.21	54.01
8°22'31"	506.38	33.94	11.64	33.31
4°46'32"	41.78	15.35	7.66	15.35
4°40'49"	19.24	44.25	43.02	38.12
4°45'54"	53.38	16.35	8.34	16.49
8°41'16"	102.71	14.53	8.76	13.35
5°52'19"	6.33	6.12	3.22	6.12
5°50'25"	8.37	6.41	3.31	6.35
3°30'30"	9.04	11.60	6.15	10.82
15°53'35"	3.56	1.72	0.87	1.72
15°53'35"	20.14	11.72	11.50	11.50
1°52'11"	23.05	31.33	18.63	28.91
1°02'46"	7.13	5.77	3.05	5.61
1°15'31"	40.51	35.46	19.51	34.68
1°15'31"	40.51	40.70	20.70	40.70
4°45'03"	89.20	31.16	16.09	31.56
7°21'45"	24.85	53.32	45.21	43.51
7°21'45"	19.41	16.28	8.65	15.81

Curve ID #	Delta	Radius	Arc Length	Tangent	Chord
88	113°20'24"	112.84	35.33	21.83	23.81
89	8°16'58"	235.12	33.93	17.02	33.96
90	24°41"	458.98	19.31	3.60	19.17
91	4°52'24"	430.51	41.67	20.85	41.66
92	2°15'54.71"	115.31	21.03	13.19	26.16
93	6°51'17"	102.71	11.66	6.55	11.04
94	6°12'24.24"	22.61	26.60	15.08	25.03
95	9°13°8"	95.96	15.12	7.58	15.10
96	42°22'31"	91.05	67.34	35.28	65.81
97	10°22'41"	173.61	31.45	15.77	31.40
98	12°53'33"	175.81	33.87	20.02	33.78
99	7°58'46"	192.51	26.81	13.43	26.19
100	42°43'11"	42.71	24.57	6.59	24.52
101	34°72'45"	16.26	9.77	4.04	9.63
102	5°11'19.40"	22.80	22.81	12.46	21.87
103	30°42'12"	65.89	35.42	18.15	35.00
104	19°21'18"	402.88	13.61	6.57	13.61
105	45°00'00"	27.66	27.61	11.93	26.87
106	14°46'47"	65.00	16.77	8.53	16.72
107	39°38'40"	22.12	15.30	7.97	15.00
108	136°35'54"	10.62	25.32	26.63	19.74



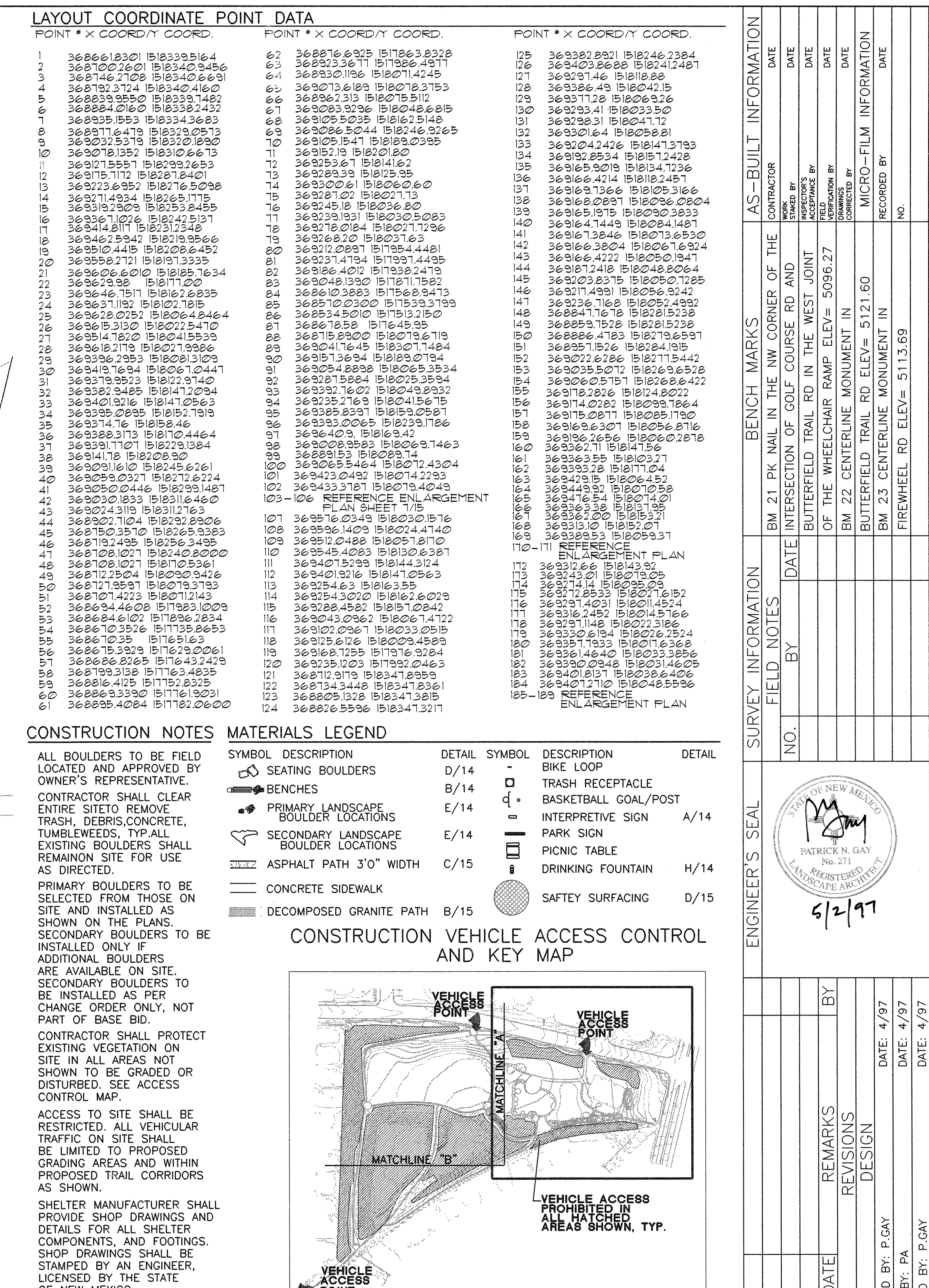


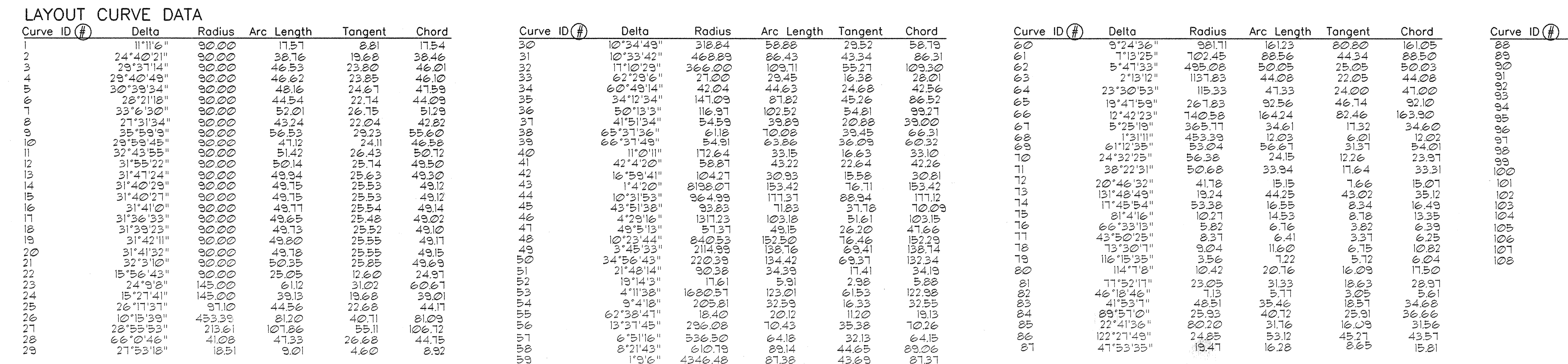
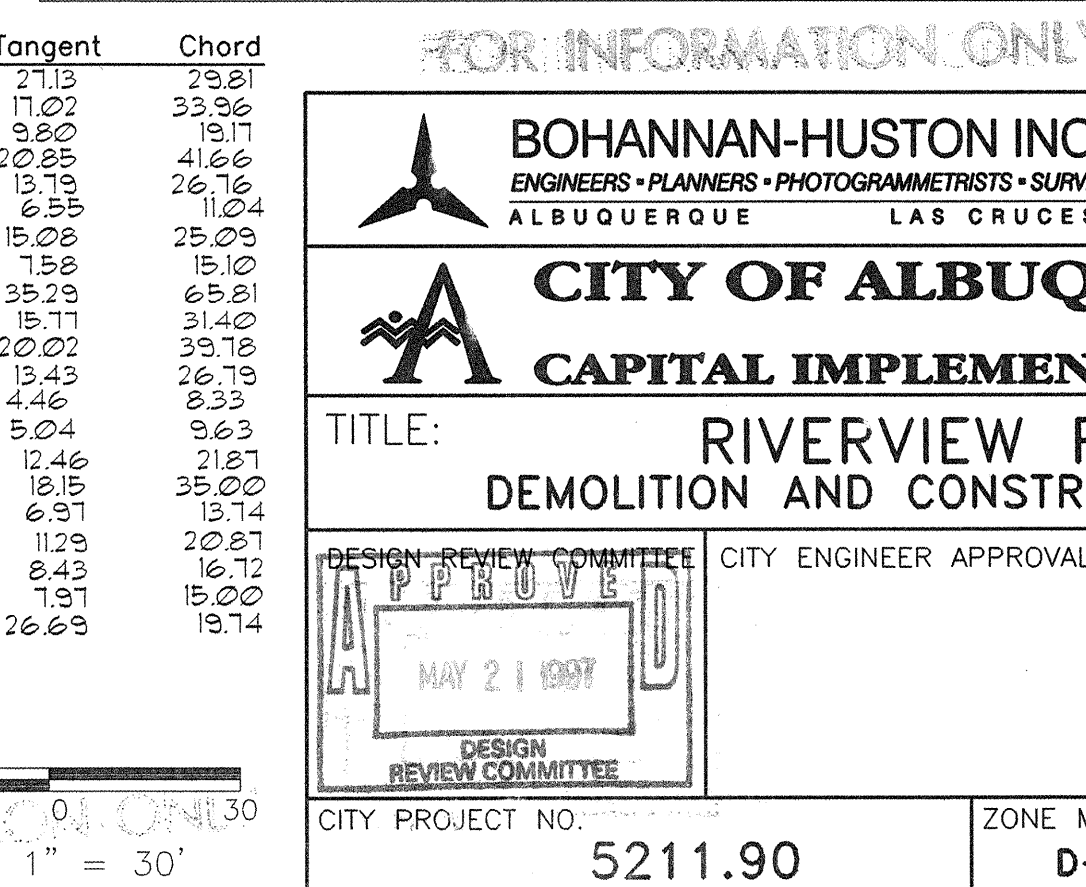
SCALE: 1" = 30'



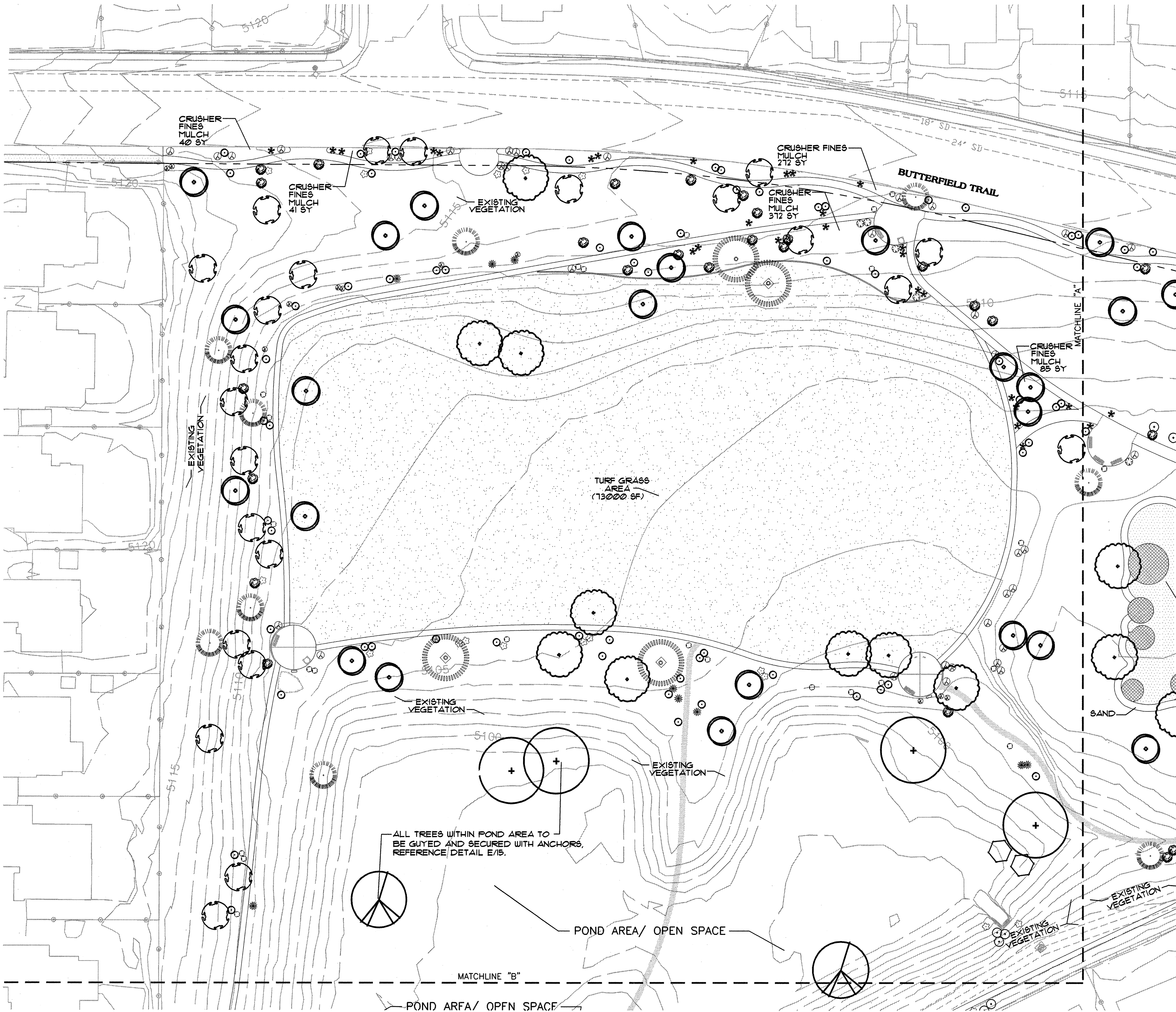
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
 5/2/97		FIELD NOTES		BM 21 PK NAIL IN THE NW CORNER OF THE INTERSECTION OF GOLF COURSE RD. AND BUTTERFIELD TRAIL RD IN THE WEST JOINT OF THE WHEELCHAIR RAMP ELEV= 5096.27		WORK BY INSUROR'S ACCEPTANCE BY DATE	
		NO.	BY	DATE	DATE	DATE	DATE
NO.	DATE	REMARKS	BY				
REVISIONS							
DESIGN							
DESIGNED BY: P. GAY				DATE: 4/97			
DRAWN BY: PA				DATE: 4/97			
CHECKED BY: P. GAY				DATE: 4/97			

	BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE				
	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM				
TITLE: RIVERVIEW PARK DEMOLITION AND CONSTRUCTION LAYOUT					
DESIGN REVIEW COMMITTEE APPROVED MAY 21 1997 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL 	LAST SURVEY DATE UPDATE	MO./DAY/YR. 	MO./DAY/YR. 	
CITY PROJECT NO. 5211 90		ZONE MAP NO. D-12	SHEET 4 OF 15		

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[illegible]

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DATE: 4/97



PLANTING NOTES

INSTALL REVEGETATION SEED MIX TO ALL DISTURBED AREAS NOT OTHERWISE SPECIFIED FOR MULCH OR OTHER GROUND COVERS. REVEG SEED MIX TO BE HAND SEEDED IN ALL AREAS WHERE IRRIGATION LINES ARE INSTALLED WITHIN EXISTING VEGETATION RESTRICTED ACCESS AREAS.

ALL CRUSHER FINE MULCHED AREAS TO BE 3" DEPTH SANTA ANA TAN CRUSHER FINES WITH GRADE TO MATCH COA STANDARDS. (2% FROM TOP OF CURB TO TOP OF SIDEWALK), OR AS PER GRADING AND DRAINAGE PLAN.

ALL AREAS DESIGNATED AS EXISTING VEGETATION SHALL NOT BE DISTURBED. REFERENCE VEHICLE ACCESS CONTROL MAP.

PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	NOTES	MATURE SIZE
POND AREA					
	Populus fremontii	VALLEY COTTONWOOD	2 1/2" cal.	guyed males only	50'H x 40'W
	Taxodium mucronatum	MEXICAN BALD CYPRESS	15 gal.	guyed	50'H x 30'W
PARK AREA TREES					
	Pinus sylvestrus	SCOTCH PINE	3" cal.	B&B	45'H x 30'W
	Pinus stroboformis	NEW MEXICO WHITE PINE	5'-6' ht.	B&B	30'H x 25'W
	Fraxinus velutina	NEW MEXICO ASH	3" cal.	B&B	35'H x 25'W
	Cercis reniformis	OKLAHOMA REDBUD	2" cal.	B&B	20'H x 15'W
	Forestiera neomexicana	NEW MEXICO OLIVE	20 gal.	males only	18'H x 15'W
	Chilopsis linearis	DESERT WILLOW	24" box	multi trunk	25'H x 15'W
	Pinus edulis	PINON	8'-10' ht.	multi trunk	20'H x 15'W
SHRUBS					
	Chrysothamnus nauseosus	CHAMISA	5 GAL.	min. 4" spacing	5'H x 5'W
	Fallugia paradoxa	APACHE PLUME	5 GAL.	min. 4" spacing	5'H x 5'W
	Atriplex confertifolia	SHADSCALE	5 GAL.	min. 4" spacing	2'H x 2'W
	Caesalpinia gilliesii	BIRD OF PARADISE	5 GAL.	min. 4" spacing	6'H x 4'W
	Artemisia filifolia	THREADLEAF SAGE	5 GAL.	min. 4" spacing	3'H x 4'W
	Rhus trilobata	THREELEAF SUMAC	5 GAL.	min. 4" spacing	5'H x 5'W
	Ephedra viridis	MORMON TEA	5 GAL.	min. 4" spacing	3'H x 3'W
	Hesperaloe parviflora	RED YUCCA	5 GAL.	min. 4" spacing	2'H x 4'W
	Yucca glauca	SOAPWEED YUCCA	5 GAL.	min. 4" spacing	2'H x 1'W
	Fendlera rupicola	FENDLERBUSH	5 GAL.	min. 4" spacing	6'H x 3'W
VINES					
	Parthenocissus inserta	WOODBINE	5 GAL.	4' O.C.	VINE

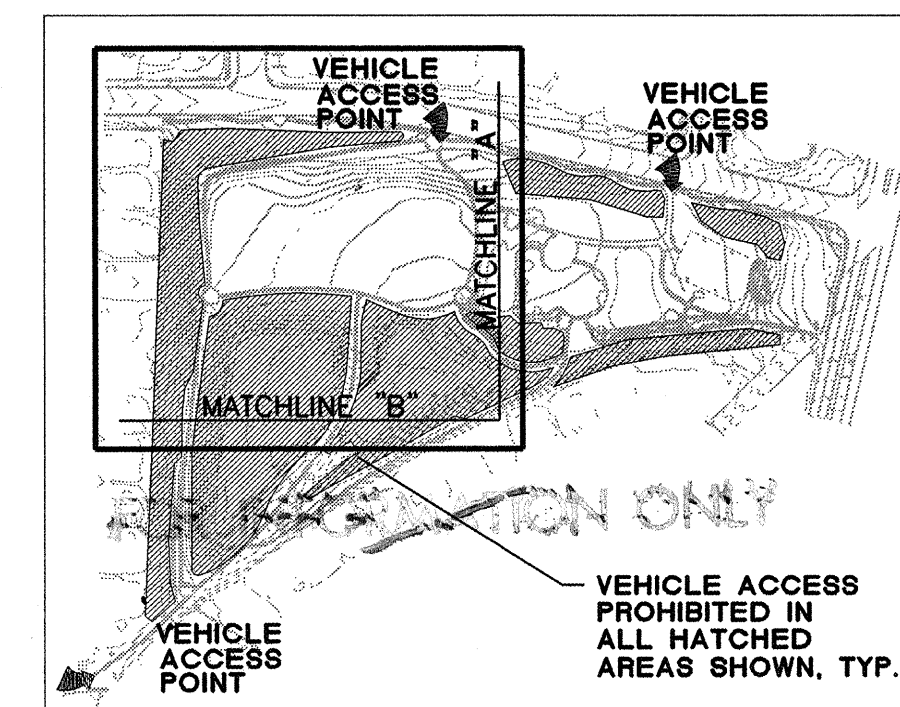
GROUND COVERS

WILDFLOWER SEEDING			NOTE: 2' MAXIMUM MATURE HEIGHT FOR ALL GROUND COVERS	
(OVERSEED REVEG. AREAS WITH THIS MIX AS SHOWN ON PLANS)				
BOTANICAL NAME	COMMON NAME	LBS PLS/AC		
Gaillardia aristata	BLANKET FLOWER *	.5		
Linum lewisii	BLUE FLAX *	.5		
Baileya multiradiata	DESERT MARIGOLD	1.0		
Oenothera caespitosa	DWARF EVENING PRIMROSE	1.0		
Ratibida columnifera	MEXICAN HAT (RED) *	1.0		
Penstemon ambiguus	SAND PENSTEMON	1.0		
Psilostrophe tagetina	PAPER FLOWER	.5		
			* OMIT IN NON-IRRIGATED AREAS.	
TURF GRASS SEED MIX				
10% BY WEIGHT	"ADELPHI BLUEGRASS"	SEE SPECIFICATIONS		
30% BY WEIGHT	"FALCON FESCUE"	FOR SEEDING RATE		
30% BY WEIGHT	"ARID FESCUE"			
30% BY WEIGHT	"SILVERADO FESCUE"			
BUFFALO GRASS			"PRAIRIE OR 609"	SOD
12" DEPTH PLAYGROUND SAND				

RECLAMATION SEED MIX

BOTANICAL NAME	COMMON NAME	LBS PLS/AC
Oryzopsis hymenoides	PALOMA INDIAN RICEGRASS	5.0
"Paloma"		
Hilaria jamesii	VIVA GALLETA	1.0
"Viva"		
Bouteloua curtipendula	NINER SIDEQATS GRAMA	3.0
"Niner"		
Bouteloua gracilis	HATCHITA BLUE GRAMA	1.0
"Hatchita"		
Sporobolus cryptandrus	SAND DROPSEED	1.0
Melampodium leucanthum	BLACKFOOT DAISY	0.25
Sphaeralcea coccinea	SCARLET GLOBEMALLOW	0.25
Secocia multicaupitatus	THREADLEAF GROUNDSEL	0.25

CONSTRUCTION VEHICLE ACCESS CONTROL AND KEY MAP



BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: RIVERVIEW PARK PLANTING PLAN	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
APPROVED DESIGN REVIEW COMMITTEE	LAST DESIGN UPDATE
CITY PROJECT NO. 5211.90	ZONE MAP NO. D-12
SHEET 8 OF 15	

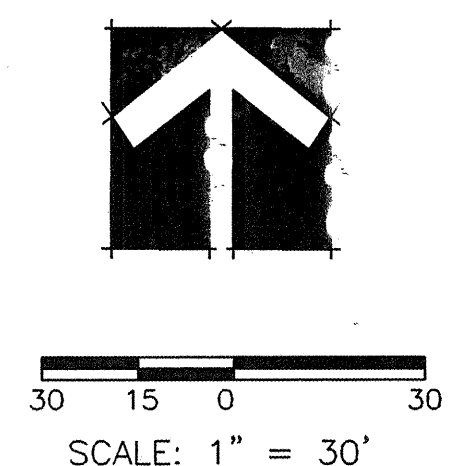


PLANTING NOTES

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PLANT LEGEND

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	Taxodium mucronatum	MEXICAN BALD CYPRESS	15 gal.	guyed	50'H x 30'W
	Pinus sylvestrus	SCOTCH PINE	3" cal.	B&B	45'H x 30'W
	Pinus stroboformis	NEW MEXICO WHITE PINE	5'-6' ht.	B&B	30'H x 25'W
	Fraxinus velutina Berrinda	NEW MEXICO ASH	3" cal.	B&B	35'H x 25'W
	Cercis reniformis	OKLAHOMA REDBUD	2" cal.	B&B	20'H x 15'W
	Forestiera neomexicana	NEW MEXICO OLIVE	20 gal.	males only	18'H x 15'W
	Chilopsis linearis	DESERT WILLOW	24" box	multi trunk	25'H x 15'W
	Pinus edulis	PINON	8'-10' ht. multi trunk		20'H x 15'W
	Chrysothamnus nauseosus	CHAMISA	5 GAL.	min. 4" spacing	5'H x 5'W
	Fallugia paradoxa	APACHE PLUME	5 GAL.	min. 4" spacing	5'H x 5'W
	Atriplex confertifolia	SHADSCALE	5 GAL.	min. 4" spacing	2'H x 2'W
	Caesalpinia gilliesii	BIRD OF PARADISE	5 GAL.	min. 4" spacing	6'H x 4'W
	Artemisia filifolia	THREADLEAF SAGE	5 GAL.	min. 4" spacing	3'H x 4'W
	Rhus trilobata	THREELEAF SUMAC	5 GAL.	min. 4" spacing	5'H x 5'W
	Ephedra viridis	MORMON TEA	5 GAL.	min. 4" spacing	3'H x 3'W
	Hesperaloe parviflora	RED YUCCA	5 GAL.	min. 4" spacing	2'H x 4'W
	Yucca glauca	SOAPWEED YUCCA	5 GAL.	min. 4" spacing	2'H x 1'W
	Fendlera rupicola	FENDLERBUSH	5 GAL.	min. 4" spacing	6'H x 3'W
	Parthenocissus inserta	WOODBINE	5 GAL.	4' O.C.	VINE

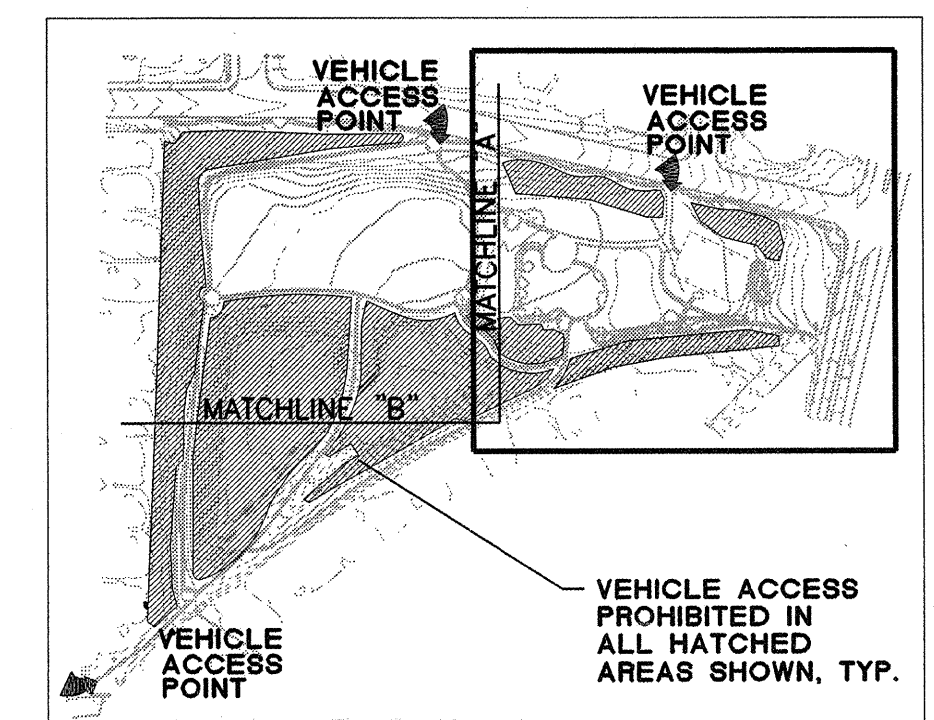
GROUND COVERS

	WILDFLOWER SEEDING	NOTE: 2' MAXIMUM MATURE HEIGHT FOR ALL GROUND COVERS (OVERSEED REVEG. AREAS WITH THIS MIX AS SHOWN ON PLANS)	
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	Linum lewisii	BLUE FLAX *	.5
	Baileya multiradiata	DESERT MARIGOLD	1
	Oenothera caespitosa	DWARF EVENING PRIMROSE	.5
	Ratibida columnifera	MEXICAN HAT (RED) *	.5
	Penstemon ambiguus	SAND PENSTEMON	1
	Psilostrophe togatina	PAPER FLOWER *	.5
* OMIT IN NON-IRRIGATED AREAS.			
	TURF GRASS SEED MIX	SEE SPECIFICATIONS FOR SEEDING RATE	
	10% BY WEIGHT	"ADELPHI BLUEGRASS"	
	30% BY WEIGHT	"FALCON FESCUE"	
	30% BY WEIGHT	"ARID FESCUE"	
	30% BY WEIGHT	"SILVERADO FESCUE"	
	BUFFALO GRASS	"PRAIRIE OR 609"	SOD
	12" DEPTH PLAYGROUND SAND	FOR INFO (DO NOT USE)	

RECLAMATION SEED MIX

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"Niner"		
Bouteloua gracilis	HATCHITA BLUE GRAMA	1.0
"Hatchita"		
Sporobolus cryptandrus	SAND DROPSEED	1.0
Melampodium leucanthum	BLACKFOOT DAISY	0.25
Sphaeralcea coccinea	SCARLET GLOBEMALLOW	0.25
Secocia multicaipitatus	THREADLEAF GROUNDSEL	0.25

CONSTRUCTION VEHICLE ACCESS CONTROL AND KEY MAP



BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: **RIVERVIEW PARK PLANTING PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED			
DESIGN REVIEW COMMITTEE			

CITY PROJECT NO. **5211.90** ZONE MAP NO. **D-12** SHEET **9** OF **15**

CONTRACTOR: _____ DATE: _____

INSPECTOR: _____ DATE: _____

ACCEPTANCE BY: _____ DATE: _____

VERIFICATION BY: _____ DATE: _____

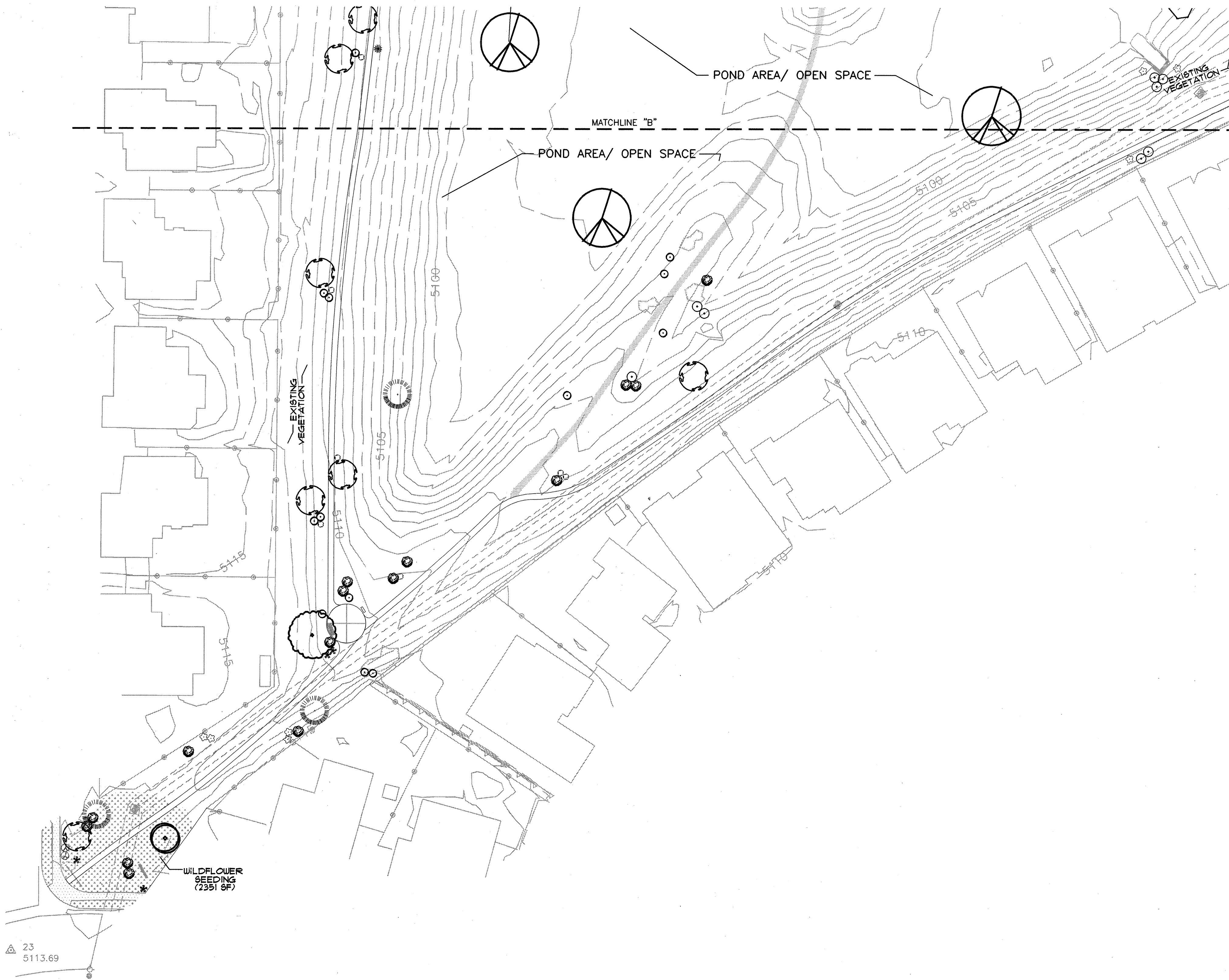
COMPLETED BY: _____ DATE: _____

RECORDED BY: _____ NO. _____

DESIGNED BY: P.GAY DATE: 4/97

DRAWN BY: PAA DATE: 4/97

CHECKED BY: P.GAY DATE: 4/97

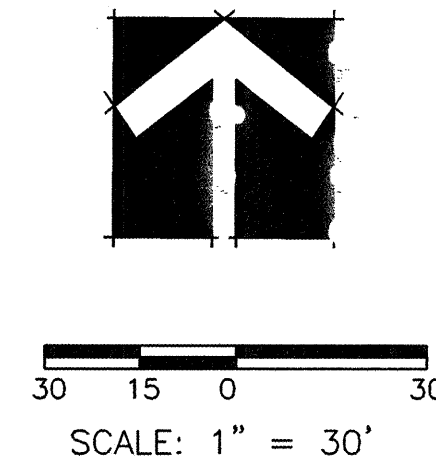


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PARK AREA					
TREES					
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VINES					
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GROUND COVERS

	WILDFLOWER SEEDING	NOTE: 2' MAXIMUM MATURE HEIGHT FOR ALL GROUND COVERS (OVERSEED REVEG. AREAS WITH THIS MIX AS SHOWN ON PLANS)	
	BOTANICAL NAME	COMMON NAME	LBS PLS/AC
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	Linum lewisii	BLUE FLAX*	.5
	Baileya multiradiata	DESERT MARIGOLD	1
	Oenothera caespitosa	DWARF EVENING PRIMROSE	1
	Ratibida columnifera	MEXICAN HAT (RED) *	.5
	Penstemon ambiguus	SAND PENSTEMON	.5
	Psilostrophe togelina	PAPER FLOWER	.5
	* OMIT IN NON-IRRIGATED AREAS.		

	TURF GRASS SEED MIX	SEE SPECIFICATIONS FOR SEEDING RATE	
	10% BY WEIGHT	"ADELPHI BLUEGRASS"	
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	30% BY WEIGHT	"ARID FESCUE"	
	30% BY WEIGHT	"SILVERADO FESCUE"	

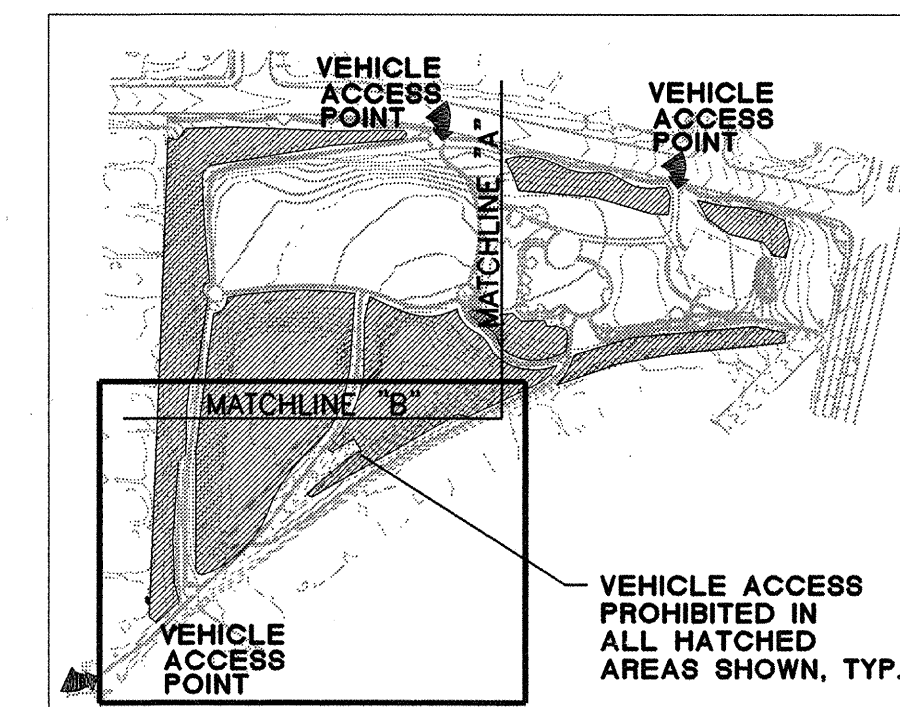
	BUFFALO GRASS	"PRAIRIE OR 609"	SOD
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	12" DEPTH PLAYGROUND SAND	FOR INFORMATION ONLY	
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RECLAMATION SEED MIX

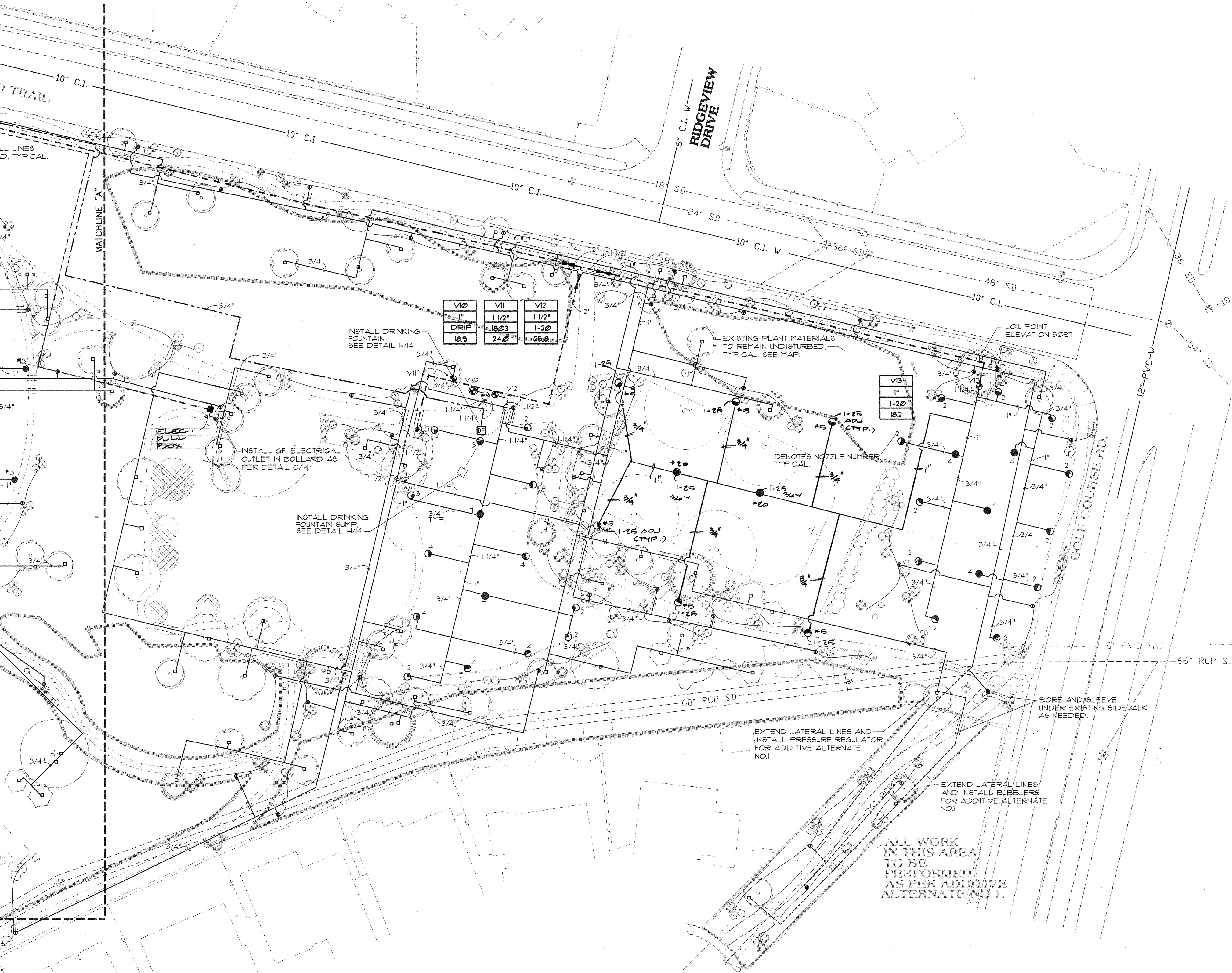
BOTANICAL NAME	COMMON NAME	LBS PLS/AC
Oryzopsis hymenoides	PALOMA INDIAN RICEGRASS	5.0
Hilaria jamesii	VIVA GALLETA	1.0
Bouteloua curtipendula	NINER SIDEOATS GRAMA	3.0
Bouteloua gracilis	HATCHITA BLUE GRAMA	1.0
Sporobolus cryptandrus	SAND DROPSEED	1.0
Melampodium leucanthum	BLACKFOOT DAISY	0.25
Sphaeralcea coccinea	SCARLET GLOBEMALLOW	0.25
Sececio multicaipitatus	THREADLEAF GROUNDSEL	0.25

CONSTRUCTION VEHICLE ACCESS CONTROL AND KEY MAP



BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE			
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
TITLE: RIVERVIEW PARK PLANTING PLAN			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
5211.90	D-12	10	15

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DATE: 2/97



IRRIGATION SCHEDULE - TYPICAL JULY						
PROGRAM	STATION	CALCULATED PRECIPITATION	RUN TIME IN MINUTES	CYCLES PER IRRIGATION	IRRIGATIONS PER MONTH	COMMENTS
1	5, 8	.76" / HR	20	2	14	TURFGRASS 7.17 / 31 DAYS
2	2, 3, 7	.51" / HR	30	2	14	TURFGRASS 7.17 / 31 DAYS
3	12	.40" / HR	38	2	6	BUFFALO GRASS 3 / 31 DAYS
4	13	.40" / HR	38	2	4	WILD FLOWER SEED 2 / 31 DAYS
5	4, 9, 11	0.4 GPM	30	1	5	TREES ON BUBBLERS 12 GAL / DAY
6	6, 10	4 GPH	35	1	4	SHRUBS @ 9.3 GAL / MONTH

IRRIGATION NOTES

STATIC PRESSURE RANGES FROM 70-85 PSI. IRRIGATION SYSTEM WAS DESIGNED FOR 80 PSI. NOTIFY LANDSCAPE ARCHITECT IF ACTUAL FIELD CONDITIONS ARE NOT WITHIN THIS RANGE.

ELECTRICAL POWER FOR IRRIGATION CONTROLLER AND HEAT TAPE TO BE SUPPLIED BY EXISTING PNM TRANSFORMER, SEE PLAN.

LAYOUT OF IRRIGATION PIPING AS SHOWN IS SCHEMATIC. EXISTING SHRUB MASSES ON SITE SHALL NOT BE DISTURBED. REFERENCE VEHICLE ACCESS MAP FOR PERMISSIBLE LOCATIONS FOR TRENCHING.

ALL AREAS DISTURBED BY IRRIGATION TRENCHING OR OTHER MEANS, TO BE REVEGETATED AS PER THE PLANTING PLAN REVEGETATION SEEDING MIX. ALL IRRIGATION TRENCH LOCATIONS TO BE LOCATED IN THE FIELD WITH LANDSCAPE ARCHITECT, PRIOR TO TRENCHING.

WORK REQUIRED AS A RESULT OF ANY SUBSURFACE BASALT ENCOUNTERED DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

LEGEND

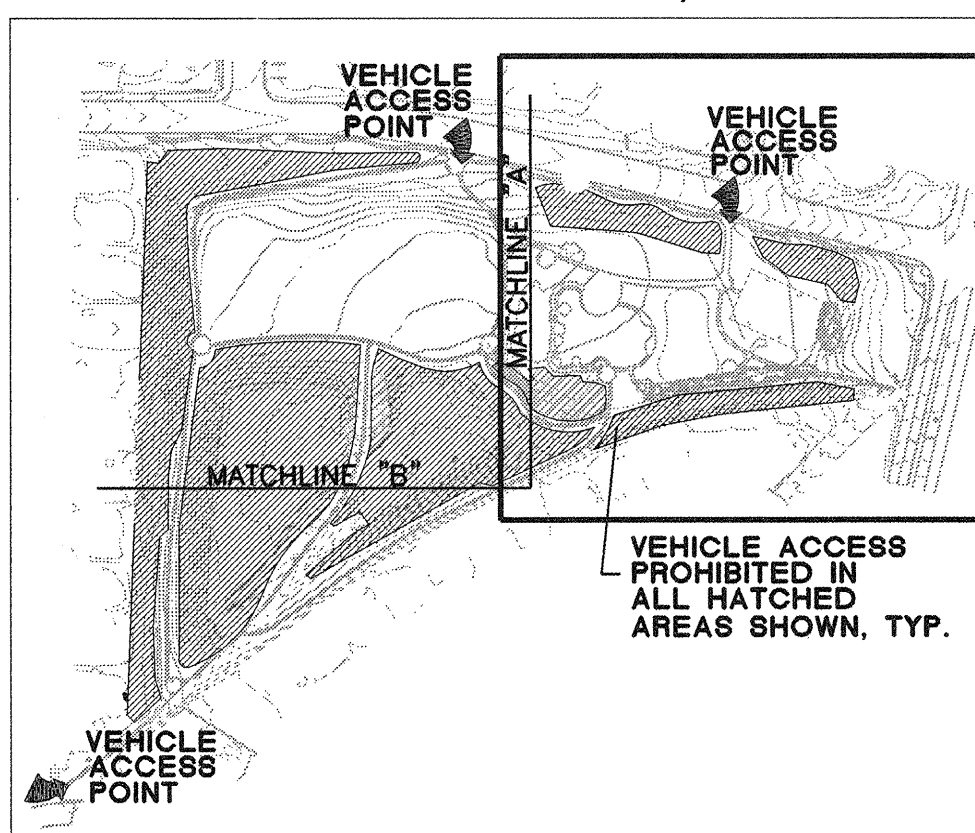
- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER CITY OF ALBUQUERQUE STANDARD DRAWING INDICATED OR AS PER THE DETAILS, SEE SHEETS 14 & 15.
- IRRNET 16 STATION CONTROLLER MS11T SOR W/ KEYBOARD
 - ELECTRICAL POWER AS PER DETAILS F/15 AND G/15
 - WATER METER 2" BY CONTRACTOR
 - MASTER VALVE-BERMAID 2" 910-P W/ FIBRO 825 2" RPA IN
 - STRONGBOX INSULATED ENCLOSURE SBBC-45 ALI WRAP WITH RAYCHEM WINTERGUARD HEAT TAPE H612250
 - DRINKING FOUNTAIN SERVICE LINE
 - MDF MODEL 410 DRINKING FOUNTAIN CONTACT: EXERPLAY 281-0151
 - INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. COLOR: BROWN
 - SEE SITE FURNISHINGS LIST
 - MANUAL GATE VALVE
 - CHAMPION QCV-075 QUICK COUPLER VALVE
 - INSTALL IN BROOKS MODEL 1419 BOX W/BOLT DOWN LID
 - CRISPIN UL10.0-1" UNIVERSAL AIR RELEASE VALVE ASSEMBLY
 - CHAMPION 100RS-100 MANUAL DRAIN
 - PVC TO POLYLINE CONNECTION
 - SENINGER PMR30LF 3/4" INLINE PRESSURE REGULATOR
 - RAINBIRD PEB AUTOMATIC CONTROL VALVE
 - RAINBIRD PEB AUTOMATIC CONTROL VALVE WITH 1 1/2" NETAFIM DISK FILTER DF150-200
 - RAINBIRD 1803 5 SERIES STREAM BUBBLER W/ PCS-040 SCREEN (.4 GPM)
 - HUNTER ROTOR ASSEMBLY I-20-36V (SEE PLAN FOR NOZZLE)
 - HUNTER ROTOR ASSEMBLY I-20-ADV (SEE PLAN FOR NOZZLE)
 - HUNTER ROTOR ASSEMBLY I-25-36V (SEE PLAN FOR NOZZLE)
 - HUNTER ROTOR ASSEMBLY I-25-ADV (SEE PLAN FOR NOZZLE)
 - RAINBIRD XERIBUG XB-05 (.5 GPH) PRESSURE COMPENSATING EMITTER ON RAINBIRD 1/2" POLY TUBING. INSTALL TWO (2) EMITTERS PER SHRUB, TYPICAL
 - MAINLINE
 - > 2" PVC 1120 OR 1220 (SDR-21)
 - < 2" SCH 40 PVC
 - LATERAL SCH 40 PVC SIZE AS PER PLAN
 - SLEEVE CLASS 200 TWO SIZES LARGER THAN THE PIPE TO BE SLEEVED
 - ELECTRICAL SERVICE LINE
 - NOTE: INSTALL THRUST BLOKS AS PER SPECIFICATIONS

VALVE SCHEDULE

VALVE NO.	SIZE	NOZZLE/RADIUS	DESCRIPTION	MAX. DEMAND	RUN TIME FOR 1/2" PRECIPITATION
SPRAY V1	2"	#13H/56"	TURF	86.1 GPM	40 min.
V2	1 1/2"	#23F/64"	TURF	65.7 GPM	60 min.
V3	1 1/2"	#23F/64"	TURF	65.7 GPM	60 min.
V5	1 1/2"	#13H/56"	TURF	73.8 GPM	40 min.
V7	2"	#23F/64"	TURF	87.6 GPM	60 min.
V8	1 1/2"	#13H/56"	TURF	73.8 GPM	40 min.
V12	1 1/2"	SEE PLAN	BUFFALO GRASS	25.8 GPM	75 min.
V13	1 1/2"	SEE PLAN	WILDFLOWERS	18.2 GPM	75 min.
BUBBLER V4	1 1/2"	N/A	N/A	31.6 GPM	Total Spray Runtime 7 hrs. 30 min.
V9	1"	N/A	N/A	5.2 GPM	
V11	1 1/2"	N/A	N/A	24.0 GPM	
DRIP V6	1"	N/A	N/A	16.18 GPM	
V10	1"	N/A	N/A	18.90 GPM	

* 20.1 W/ ADDITIVE ALTERNATE

VEHICLE ACCESS CONTROL / KEY MAP



BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: RIVERVIEW PARK IRRIGATION PLAN - AS BUILT	
DESIGN REVIEW COMMITTEE APPROVED MAY 21 1997 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL DATE: 11/4/98
CITY PROJECT NO. 5211.90	ZONE MAP NO. D-12
SHEET 12	OF 15



IRRIGATION SCHEDULE - TYPICAL JULY						
PROGRAM	STATION	CALCULATED PRECIPITATION	RUN TIME IN MINUTES	CYCLES PER IRRIGATION	IRRIGATIONS PER MONTH	COMMENTS
1	1, 5, 8	.76" / HR	20	2	14	TUREGRASS 7.17 / 31 DAYS
2	2, 3, 7	.51" / HR	30	2	14	TUREGRASS 7.17 / 31 DAYS
3	12	.40" / HR	38	2	6	BUFFALO GRASS 3 / 31 DAYS
4	13	.40" / HR	38	2	4	WILD FLOWER SEED 2 / 31 DAYS
5	4, 9, 11	0.4 GPM	30	1	5	TREES ON BUBBLERS 12 GAL / DAY
6	6, 10	4 GPH	35	1	4	SHRUBS @ 9.3 GAL / MONTH

IRRIGATION NOTES

STATIC PRESSURE RANGES FROM 70-85 PSI. IRRIGATION SYSTEM WAS DESIGNED FOR 80 PSI. NOTIFY LANDSCAPE ARCHITECT IF ACTUAL FIELD CONDITIONS ARE NOT WITHIN THIS RANGE.

ELECTRICAL POWER FOR IRRIGATION CONTROLLER AND HEAT TAPE TO BE SUPPLIED BY EXISTING PNM TRANSFORMER, SEE PLAN.

LAYOUT OF IRRIGATION PIPING AS SHOWN IS SCHEMATIC. EXISTING SHRUB MASSES ON SITE SHALL NOT BE DISTURBED. REFERENCE VEHICLE ACCESS MAP FOR PERMISSIBLE LOCATIONS FOR TRENCHING.

ALL AREAS DISTURBED BY IRRIGATION TRENCHING OR OTHER MEANS, TO BE REVEGETATED AS PER THE PLANTING PLAN REVEGETATION SEEDING MIX. ALL IRRIGATION TRENCH LOCATIONS TO BE LOCATED IN THE FIELD WITH LANDSCAPE ARCHITECT, PRIOR TO TRENCHING.

WORK REQUIRED AS A RESULT OF ANY SUBSURFACE BASALT ENCOUNTERED DURING CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

LEGEND

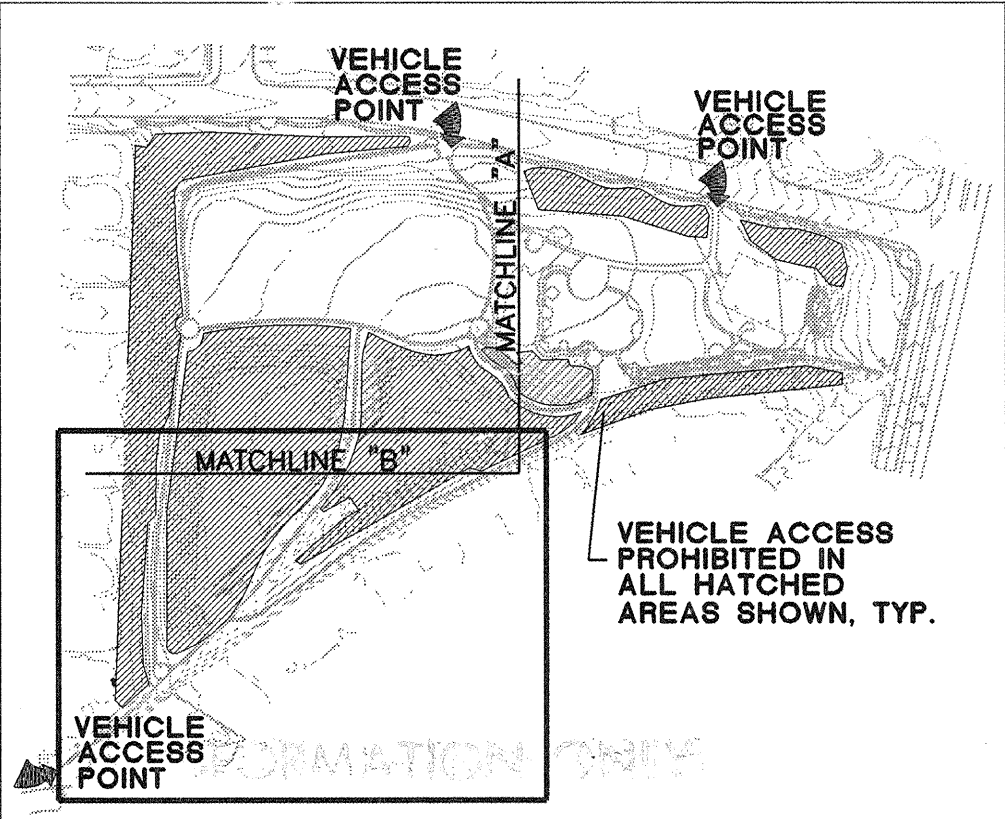
- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER CITY OF ALBUQUERQUE STANDARD DRAWING INDICATED OR AS PER THE DETAILS, SEE SHEETS 14 & 15.
- IRRNET 16 STATION CONTROLLER M511T SOR W/ KEYBOARD
 - ELECTRICAL POWER: AS PER DETAILS F/15 AND G/15
 - WATER METER 2" BY CONTRACTOR
 - MASTER VALVE-BERMAD 2" 910-P W/ FEBCO 825 2" RPA IN
 - STRONGBOX INSULATED ENCLOSURE SBBC-45 ALI WRAP WITH RAYCHEM WINTERGUARD HEAT TAPE H612250
 - DRINKING FOUNTAIN SERVICE LINE
 - MDF MODEL 410 DRINKING FOUNTAIN CONTACT: EXERPLAY 281-0151
 - INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. COLOR: BROWN
 - SEE SITE FURNISHINGS LIST
 - MANUAL GATE VALVE
 - CHAMPION QCV-075 QJICK COUPLER VALVE
 - INSTALL IN BROOKS MODEL 1419 BOX W/BOLT DOWN LID
 - CRISPIN UL10.0-1" UNIVERSAL AIR RELEASE VALVE ASSEMBLY
 - CHAMPION 100RS-100 MANUAL DRAIN
 - PVC TO POLYLINE CONNECTION
 - SENNINGER PMR30LF 3/4" INLINE PRESSURE REGULATOR
 - RAINBIRD PEB AUTOMATIC CONTROL VALVE
 - RAINBIRD PEB AUTOMATIC CONTROL VALVE WITH 1 1/2" NETAFIM DISK FILTER DF150-200
 - RAINBIRD 1803 5 SERIES STREAM BUBBLER W/ PCS-040 SCREEN (.4 GPM)
 - HUNTER ROTOR ASSEMBLY I-20-36V (SEE PLAN FOR NOZZLE)
 - HUNTER ROTOR ASSEMBLY I-20-ADV (SEE PLAN FOR NOZZLE)
 - HUNTER ROTOR ASSEMBLY I-25-36V (SEE PLAN FOR NOZZLE)
 - HUNTER ROTOR ASSEMBLY I-25-ADV (SEE PLAN FOR NOZZLE)
 - RAINBIRD XERIBUG XB-05 (.5 GPH) PRESSURE COMPENSATING EMITTER ON RAINBIRD 1/2" POLY TUBING. INSTALL TWO (2) EMITTERS PER SHRUB, TYPICAL
 - MAINLINE
 - >2" PVC 1120 OR 1220 (SDR-21)
 - <2" SCH 40 PVC
 - LATERAL SCH 40 PVC SIZE AS PER PLAN
 - SLEEVE CLASS 200 TWO SIZES LARGER THAN THE PIPE TO BE SLEEVED
 - ELECTRICAL SERVICE LINE
 - NOTE: INSTALL THRUST BLOKS AS PER SPECIFICATIONS

VALVE SCHEDULE

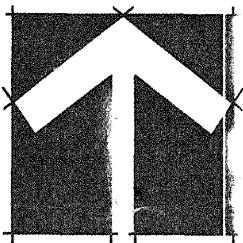
VALVE NO.	SIZE	NOZZLE/RADIUS	DESCRIPTION	MAX. DEMAND	RUN TIME FOR 1/2" PRECIPITATION
SPRAY V1	2"	#13H/56'	TURF	86.1 GPM	40 min.
V2	1 1/2"	#23F/64'	TURF	65.7 GPM	60 min.
V3	1 1/2"	#23F/64'	TURF	65.7 GPM	60 min.
V5	1 1/2"	#13H/56'	TURF	73.8 GPM	40 min.
V7	2"	#23F/64'	TURF	87.6 GPM	60 min.
V8	1 1/2"	#13H/56'	TURF	73.8 GPM	40 min.
V12	1 1/2"	SEE PLAN	BUFFALO GRASS	25.8 GPM	75 min.
V13	1 1/2"	SEE PLAN	WILDFLOWERS	18.2 GPM	75 min.
BUBBLER V4	1 1/2"	N/A	N/A	31.6 GPM	Total Spray Runtime 7 hrs. 30 min.
V9	1"	N/A	N/A	5.2 GPM	
V11	1 1/2"	N/A	N/A	24.0 GPM	
DRIP V6	1"	N/A	N/A	16.18 GPM	
V10	1"	N/A	N/A	18.90 GPM	

* 20.1 W/ ADDITIVE ALTERNATE

VEHICLE ACCESS CONTROL / KEY MAP

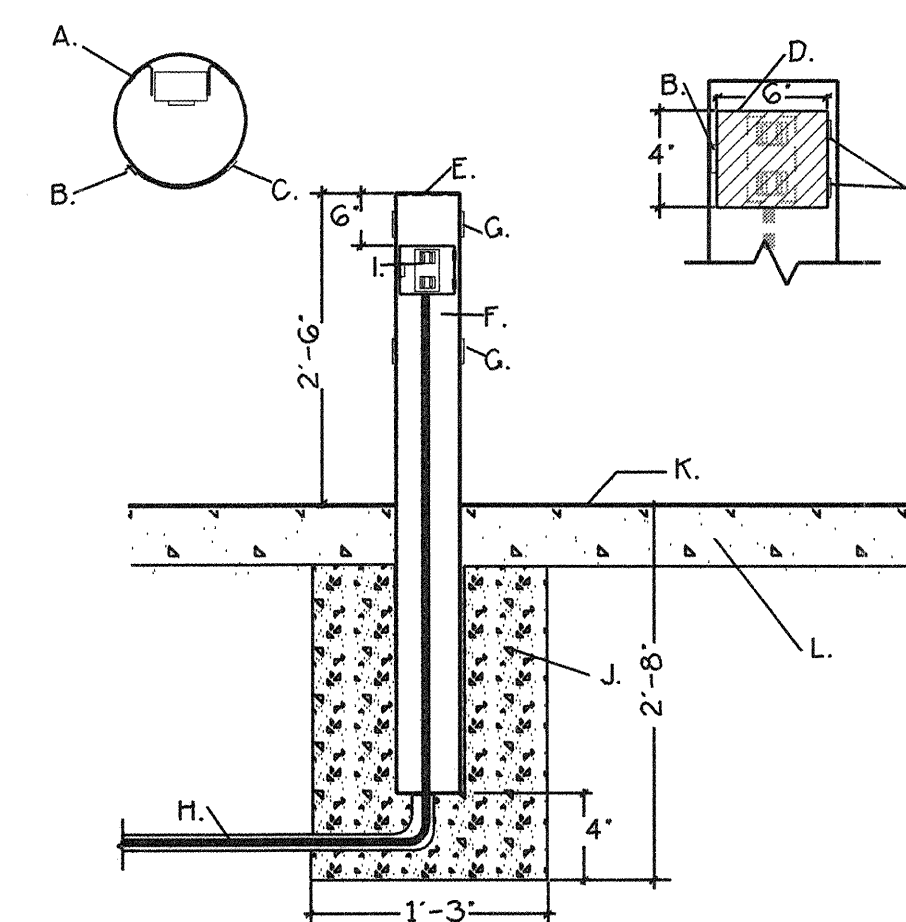
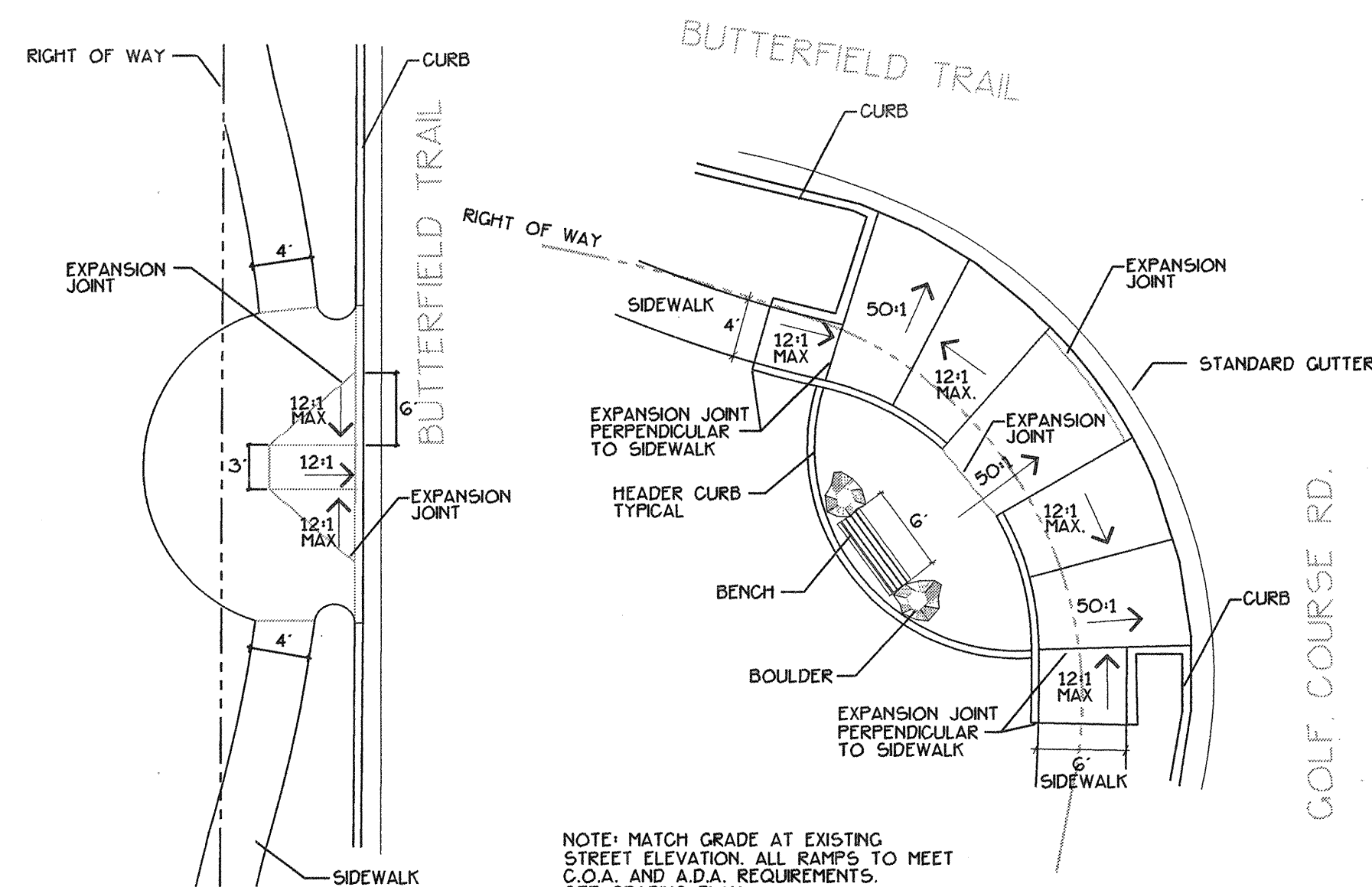
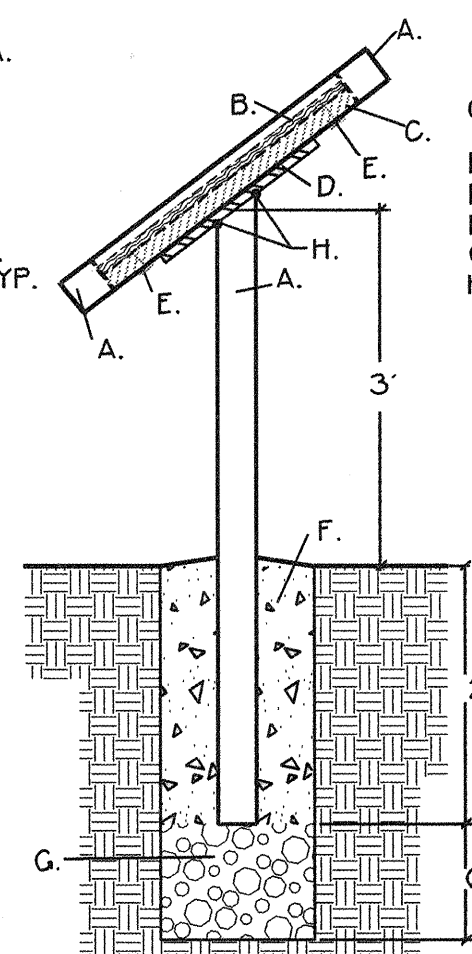
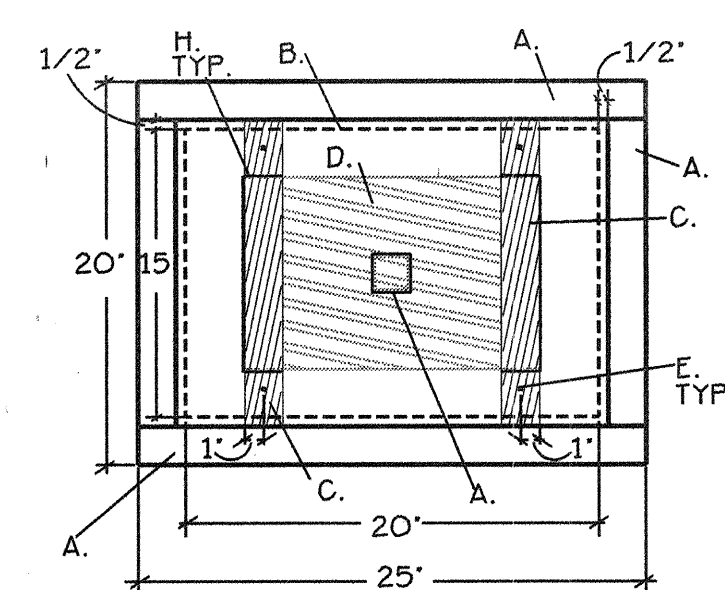


FOR INFORMATION ONLY



SCALE: 1" = 30'

BOHANNAN-HUSTON INC. ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS ALBUQUERQUE LAS CRUCES SANTA FE			
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
TITLE: RIVERVIEW PARK IRRIGATION PLAN			
DESIGN REVIEW COMMITTEE APPROVED MAY 21 1997 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 5211.90	ZONE MAP NO. D-12	SHEET 13 OF 15	



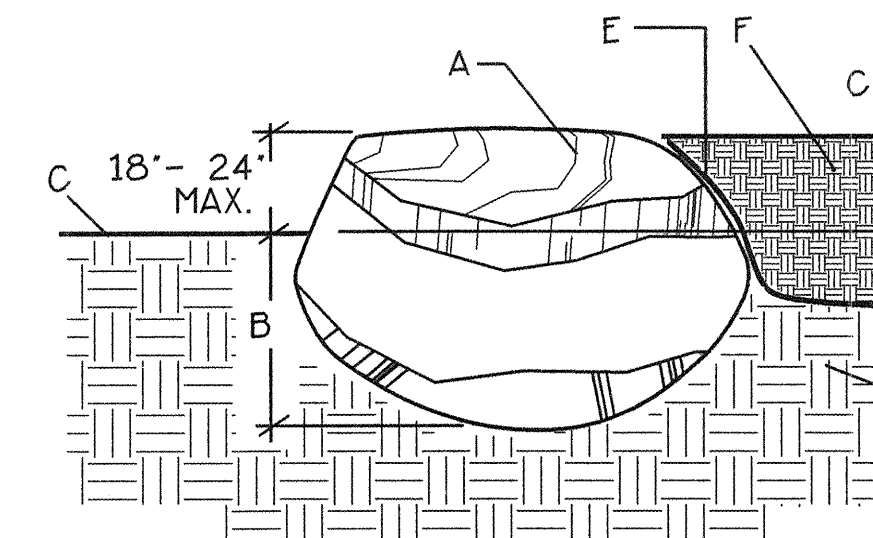
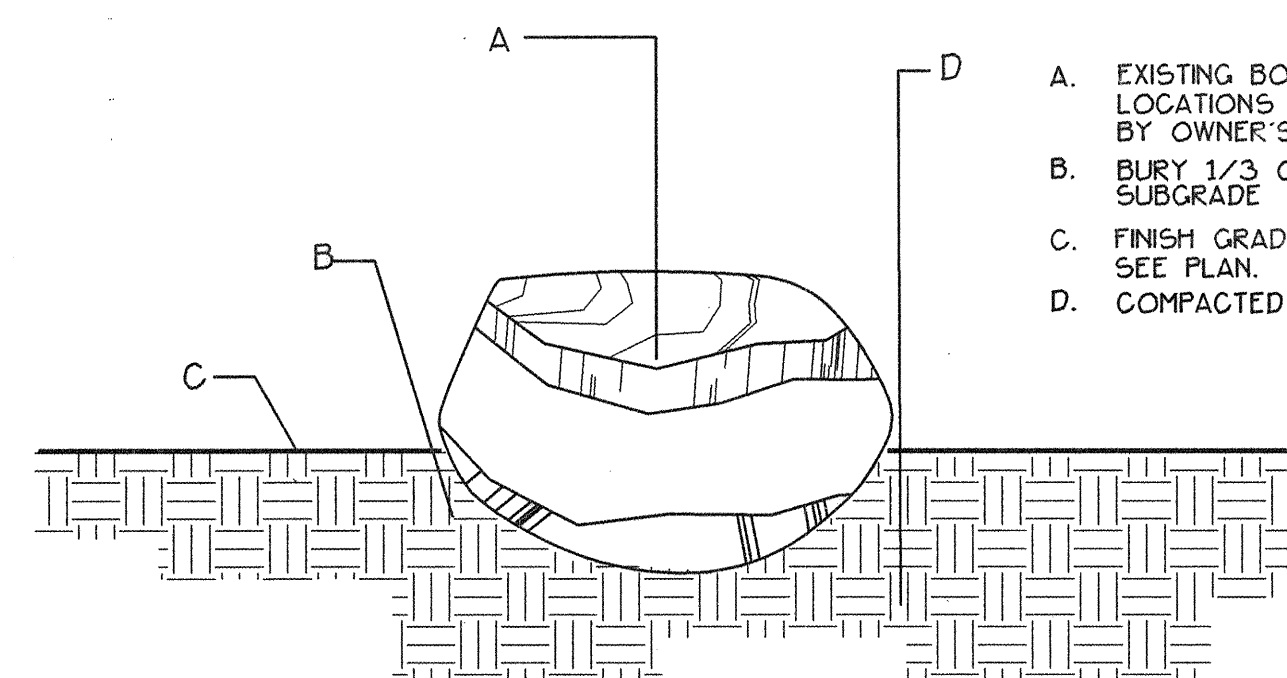
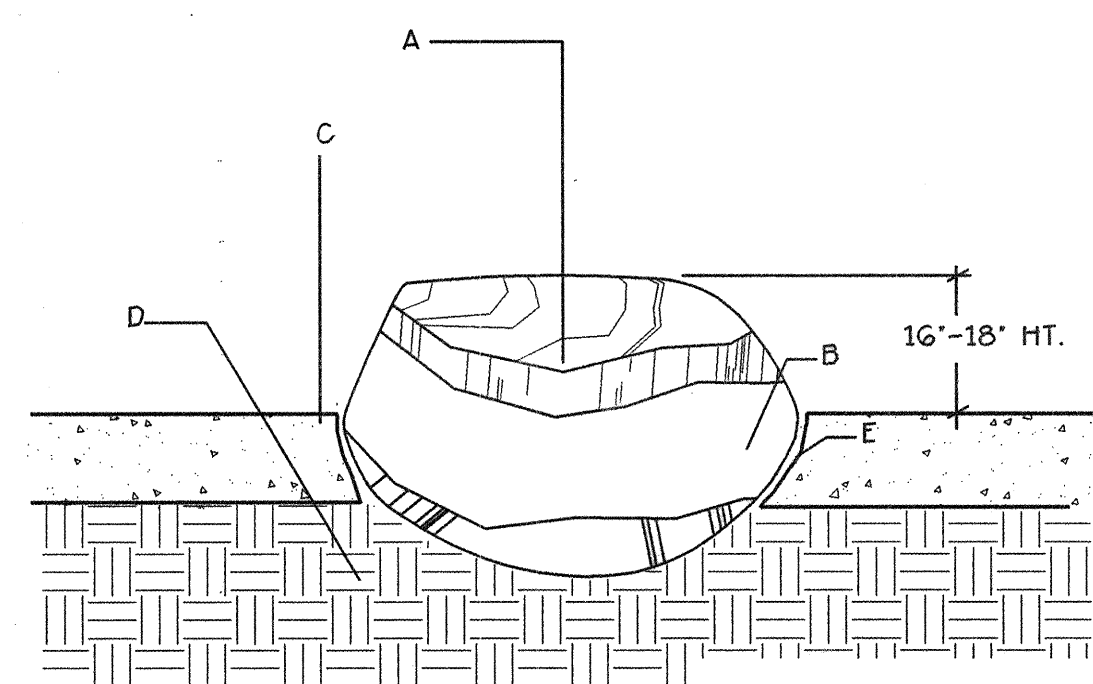
A INTERPRETIVE SIGNS

NOT TO SCALE

Ⓡ HANDICAP RAMP DETAILS

NOT TO SCALE

① ELECTRICAL OUTLET IN BOLLARD



D SEATING BOULDER IN CONCRETE

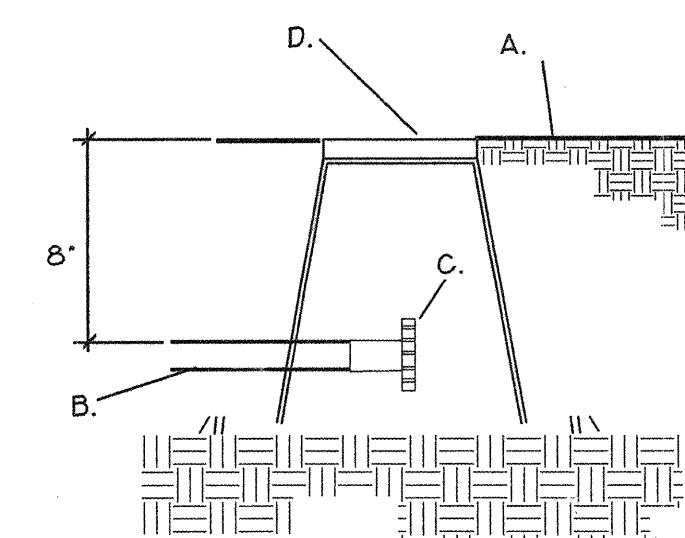
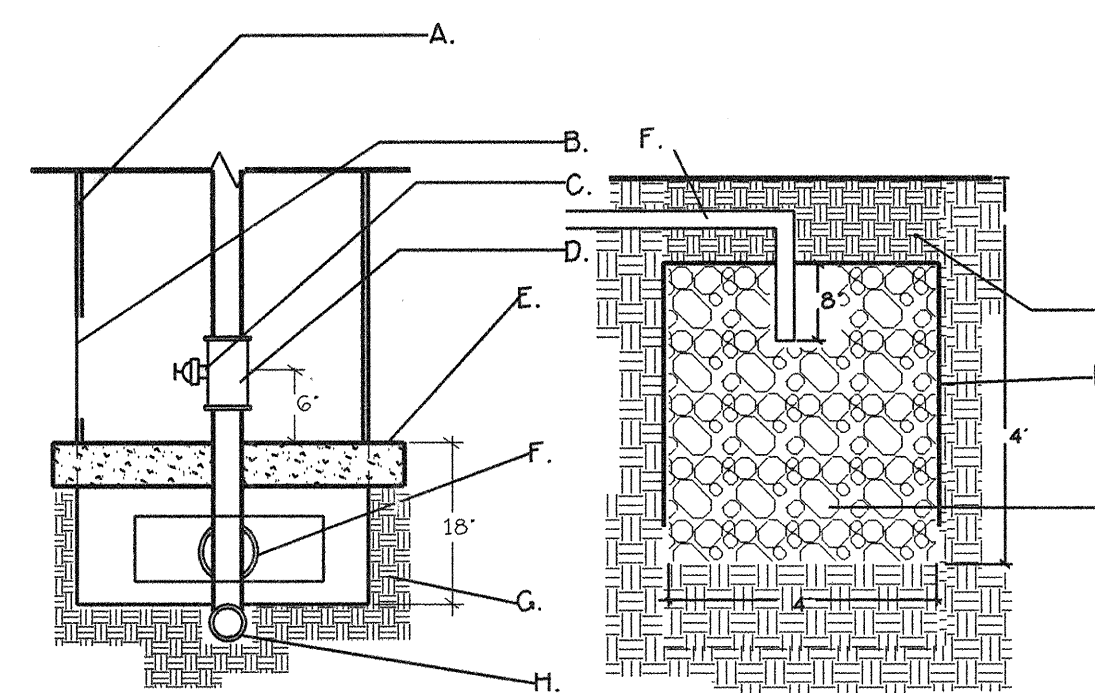
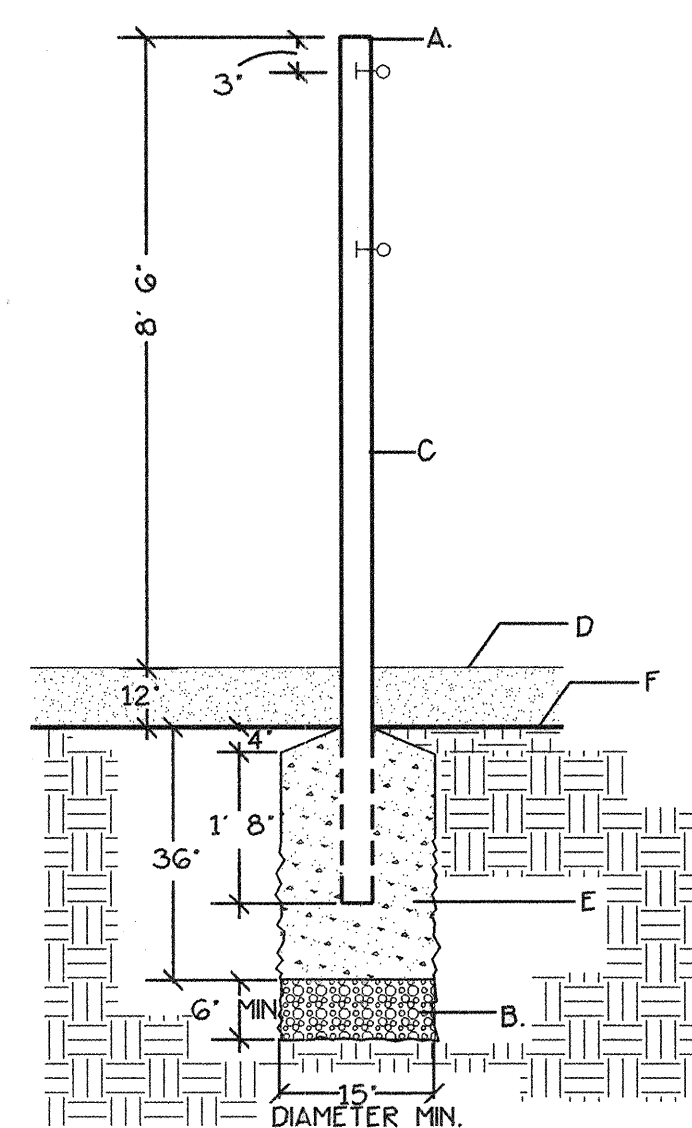
NOT TO SCALE

LANDSCAPE BOULDER INSTALLATION

NOT TO SCALE

F RETAINING BOULDER INSTALLATION

NOT TO SCALE



G VOLLEYBALL POLE FOOTING

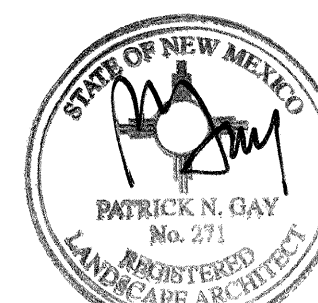
NOT TO SCALE

DRINKING FOUNTAIN SUPPLY, DRAIN AND SUMP

NOT TO SCALE

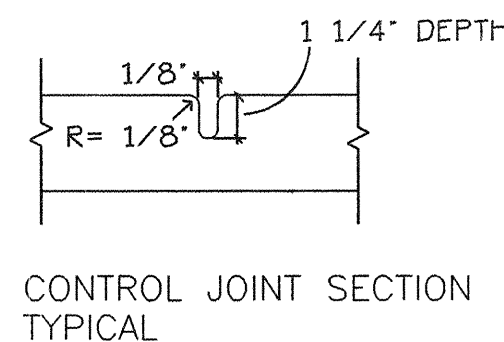
POLY END CAP

NOT TO SCALE

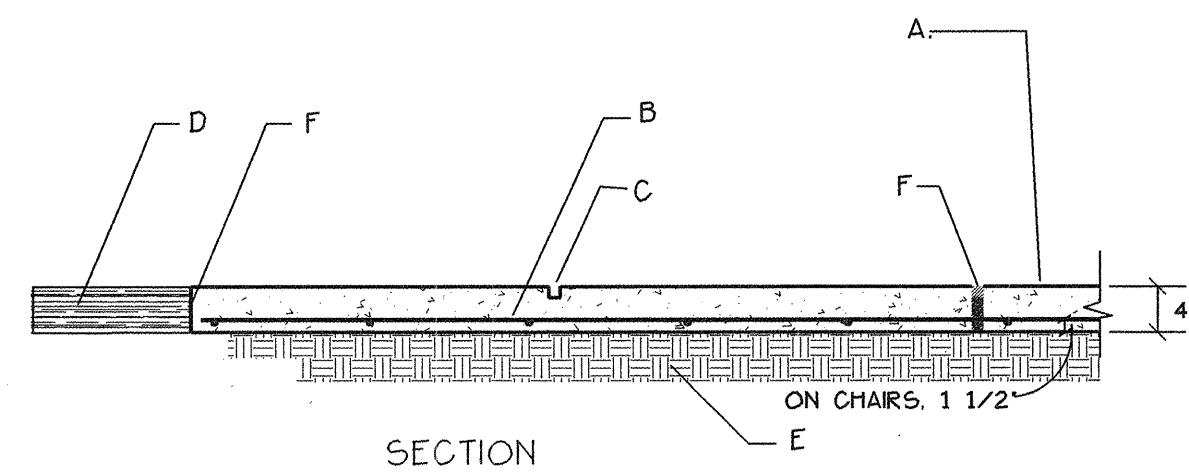
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5/2/9

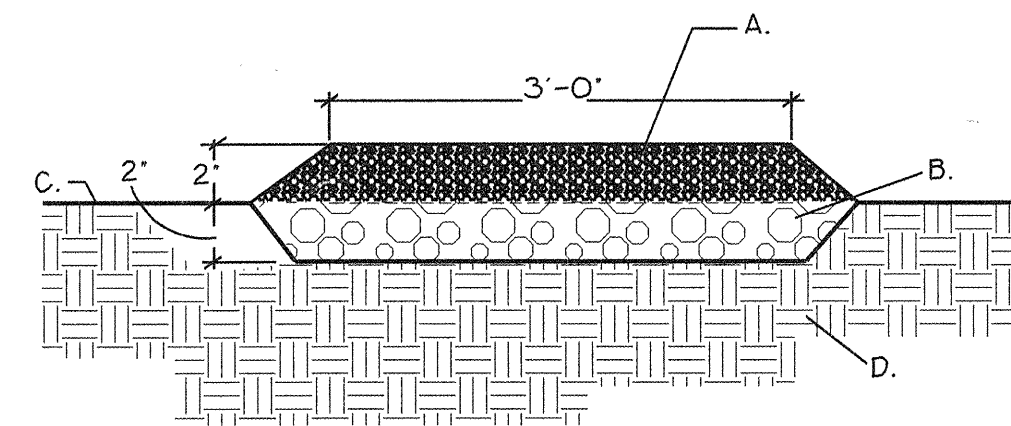
	BOHANNAN-HUSTON INC. <i>ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS</i> ALBUQUERQUE LAS CRUCES SANTA FE												
	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM												
TITLE: RIVERVIEW PARK DETAILS													
DESIGN REVIEW COMMITTEE APPROVED MAY 21 1997 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL 	LAST DESIGN UPDATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">MO./DAY/YR.</th> <th style="text-align: center;">MO./DAY/YR.</th> </tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </table>	MO./DAY/YR.	MO./DAY/YR.								
MO./DAY/YR.	MO./DAY/YR.												
CITY PROJECT NO. 5211.90	ZONE MAP NO. D-12	SHEET 14	OF 15										



- A. 4000 PSI CONCRETE, LIGHT BROOM FINISH
NOTE: SEE SPECIFICATIONS
- B. 6' x 6' x W1.4 x W1.4
WELDED WIRE MESH
- C. CONTROL JOINTS
INSTALL AS PER PLAN.
- D. SIDEWALK
- E. SUBGRADE PREP.
95% COMPACTION
- F. 1/2" EXPANSION JOINT MATERIAL W/ SEALANT
TOP 1/2". SPACING AS PER PLAN.

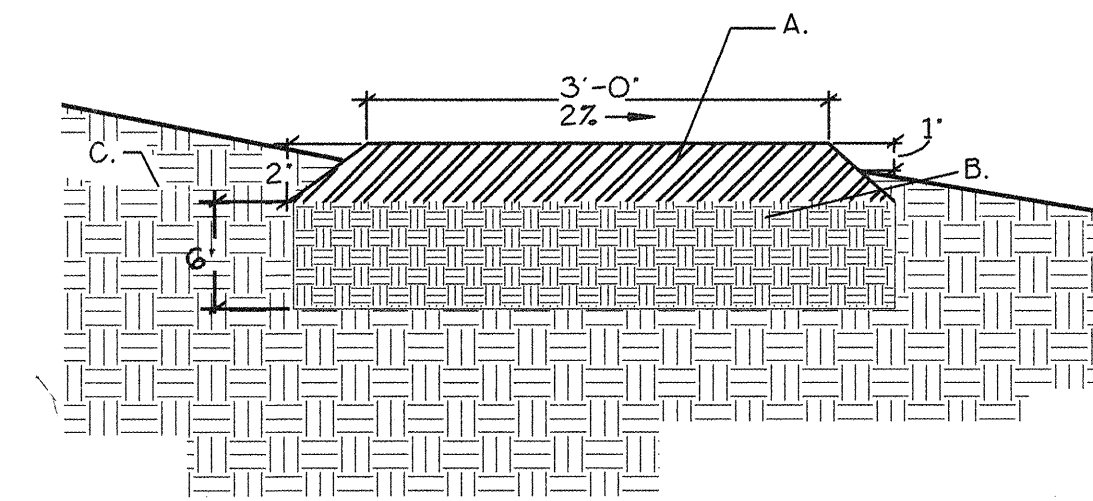


A 4" SLAB AT BASKETBALL COURT/
SHADE STRUCTURE NOT TO SCALE



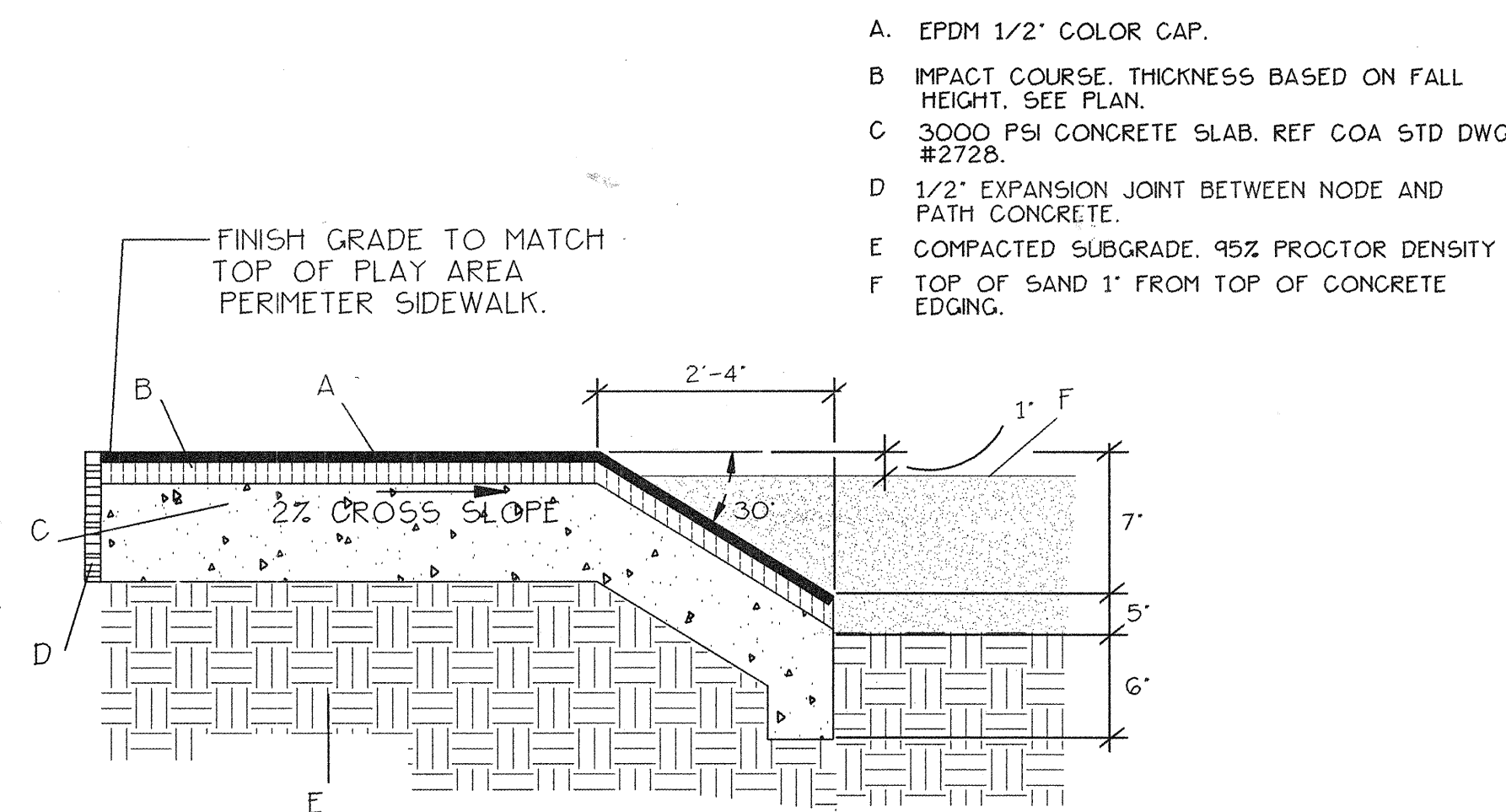
- A. DECOMPOSED GRANITE.
(95% COMPACTION)
- B. 2" DEPTH, 1" BASE COURSE AGGREGATE
(95% COMPACTION)
- C. EXISTING GRADE
- D. SUBGRADE

B DECOMPOSED GRANITE PATH NOT TO SCALE



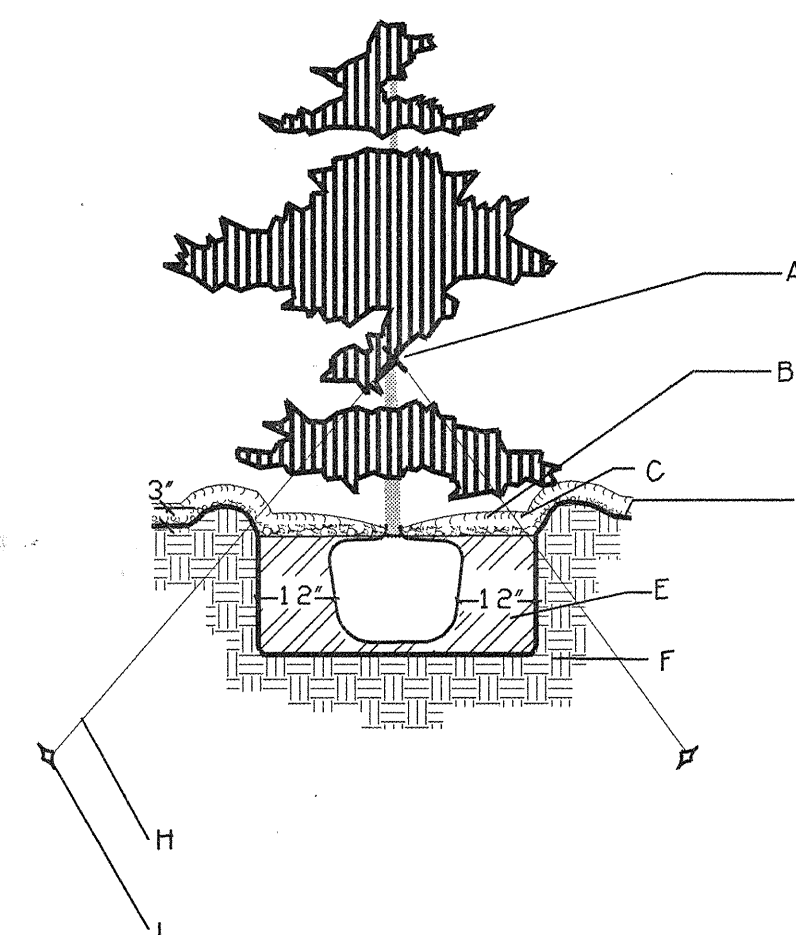
- A. ASPHALT CONCRETE, TYPE B
GRADATION, RESIDENTIAL
- B. 6" SUBGRADE PREP.
(95% COMPACTION)
- C. EXISTING GRADE

C ASPHALT PATH NOT TO SCALE



- A. EPDM 1/2" COLOR CAP.
- B. IMPACT COURSE, THICKNESS BASED ON FALL
HEIGHT, SEE PLAN.
- C. 3000 PSI CONCRETE SLAB, REF COA STD DOW
#2728.
- D. 1/2" EXPANSION JOINT BETWEEN NODE AND
PATH CONCRETE.
- E. COMPACTED SUBGRADE, 95% PROCTOR DENSITY
- F. TOP OF SAND 1" FROM TOP OF CONCRETE
EDGING.

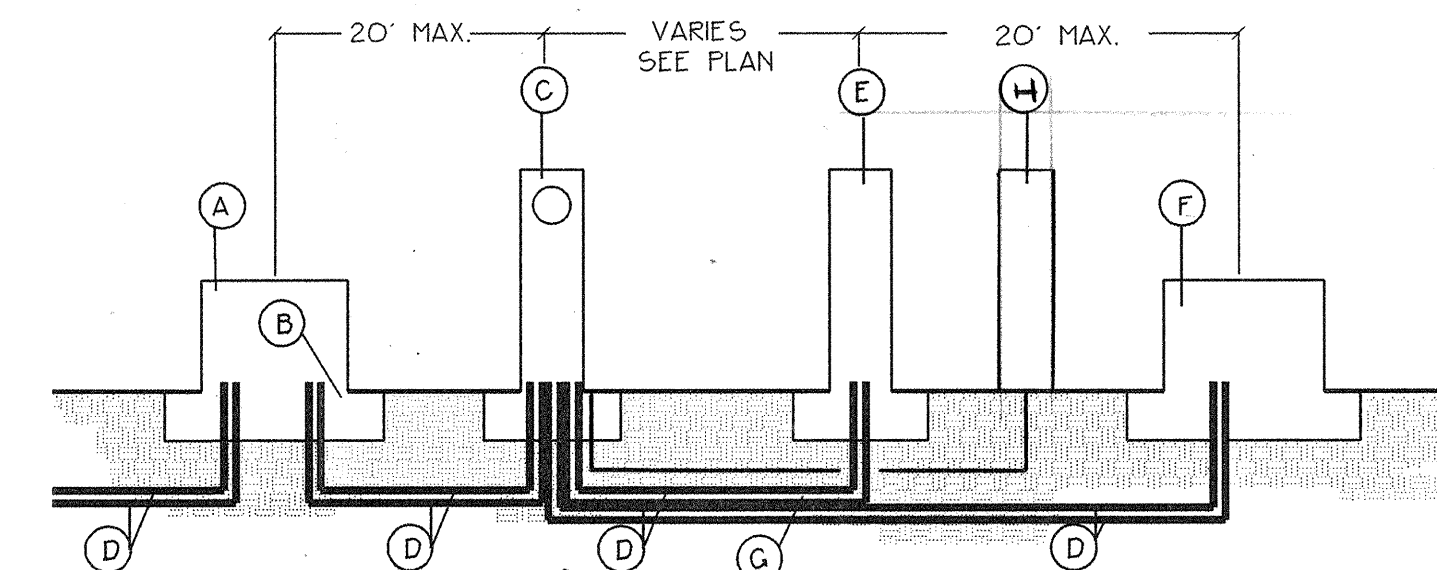
D POURED IN PLACE SAFETY SURFACE NOT TO SCALE



- A. TREE COLLAR
- B. 3" MULCH, SEE PLAN.
- C. WATER RETENTION BASIN
- D. FINISH GRADE WITH DEWITT
PRO 5 LANDSCAPE FABRIC
- E. PLANTING SOIL MIXTURE-SEE SPECIFICATIONS
- F. COMPACTED SUBGRADE/UNDISTURBED SOIL
- H. 3- #12 GALVANIZED WIRES PER TREE.
SET GUY WIRES AT 45 DEGREE ANGLE
- I. DUCKBILL ANCHOR #68-DTS OR APPROVED EQUAL

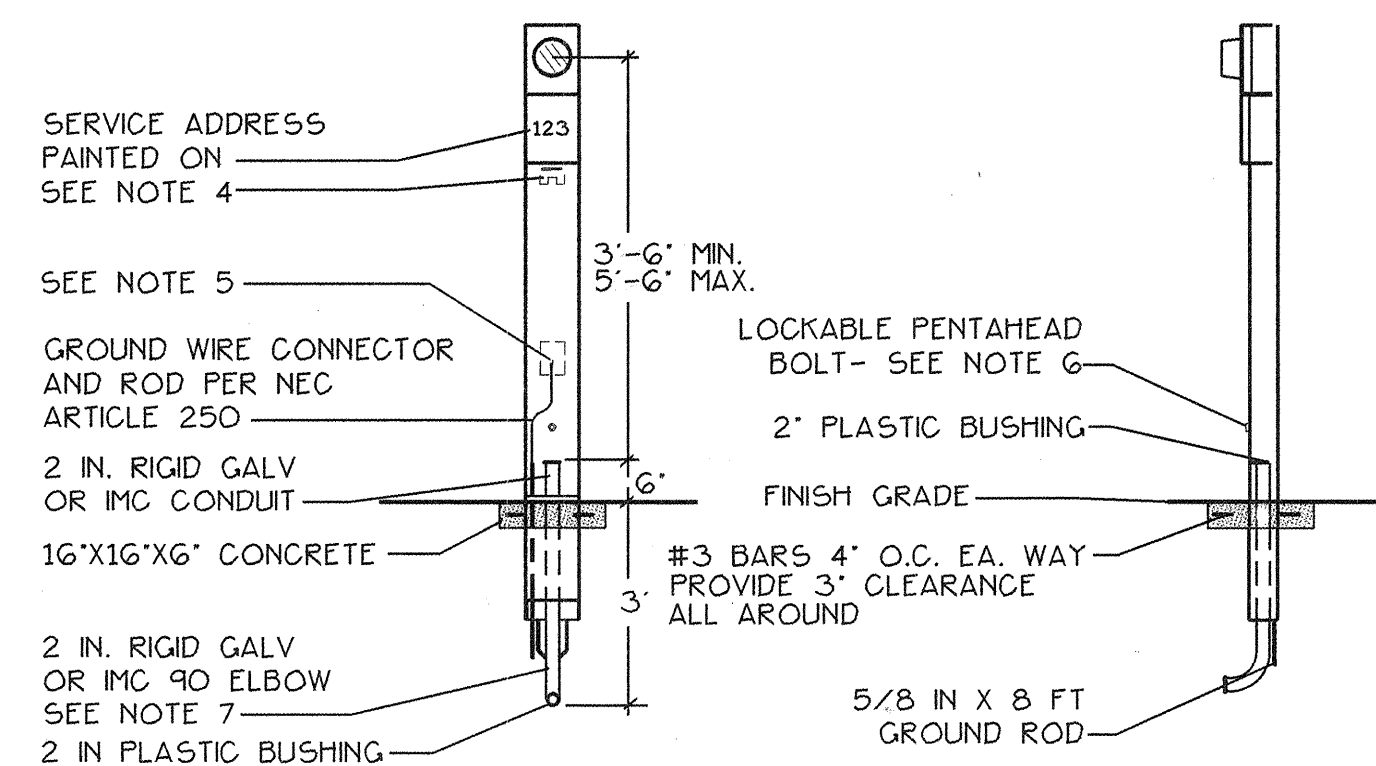
NOTE: GUY ALL MEXICAN BALD CYPRESS TREES AS PER DETAIL.
GUY OTHER TREES AT THE DIRECTION OF THE OWNER'S
REPRESENTATIVE, OR PROJECT MANAGER WITH NO ADDITIONAL
COST TO OWNER.

E POND TREE PLANTING NOT TO SCALE



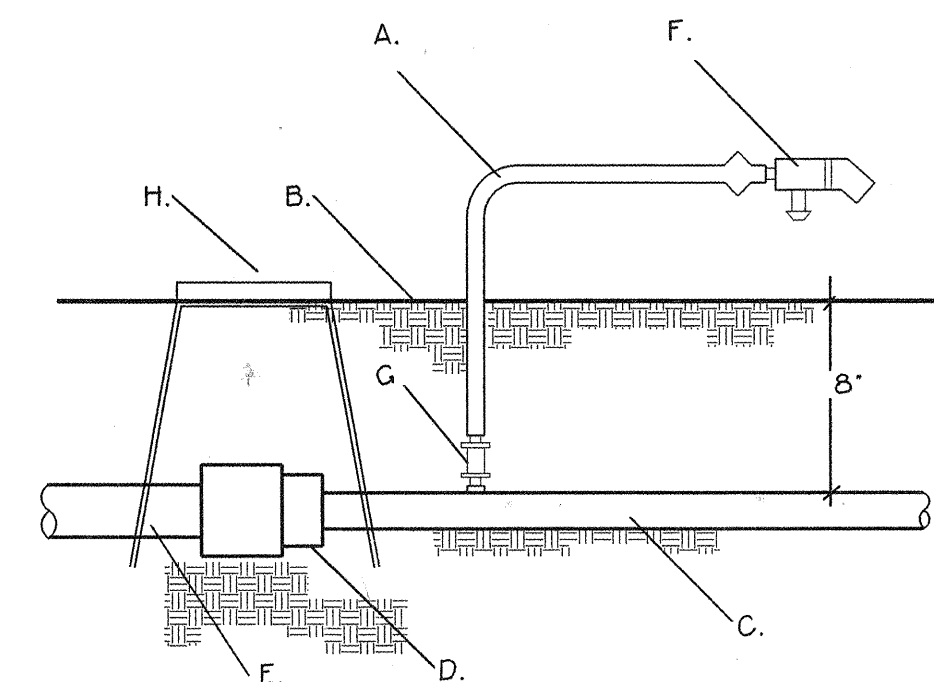
- A. POWER TRANSFORMER OR SECONDARY PEDESTAL.
BY OTHERS
- B. SERVICE CONNECTION FOR IRRIGATION, COMPLETE
- C. METER PEDESTAL FOR IRRIGATION, CIP, SEE DETAIL
- D. ELECTRICAL CONDUIT, 2" PVC, CIP
- E. IRRIGATION CONTROLLER PEDESTAL, SEE
SPECIFICATIONS/IRRIGATION PARTS LIST
- F. ENCLOSURE FOR RPA FREEZE PROTECTION, SEE
SPECIFICATIONS/IRRIGATION DETAILS
- G. 2 WIRES, SINGLE CONDUCTOR, # 6, CIP

F ELECTRIC SERVICE FOR IRRIGATION DETAIL NOT TO SCALE



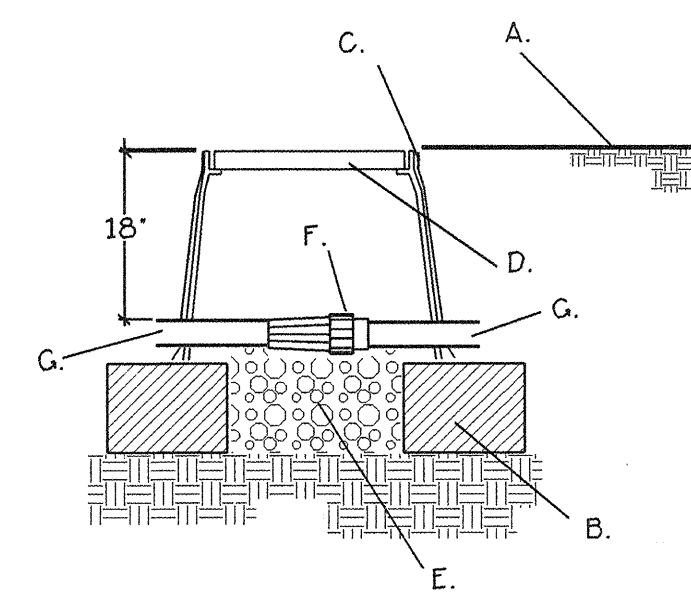
- NOTES
- PEDESTAL CONSTRUCTED FROM 14 GAUGE
STEEL WITH CORROSION RESISTANT FINISH
 - METER SOCKET MINIMUM RATING 100 AMP
FACTORY WIRED IN SEPARATE WIREWAY
FROM TERMINAL BLOCK TO METER SOCKET
 - FOR SERVICES LARGER THAN 100 AMP, A
FACTORY-RATED 200 AMP PEDESTAL MUST
BE USED
 - INSULATED STUD TERMINAL BLOCK OR BUS
PADS TO ACCOMMODATE FNM CONNECTIONS
 - PEDESTAL BONDING LUG GROUNDING
CONDUCTOR MUST BE CONTINUOUS TO
BREAKER PANEL GROUNDING TERMINAL
 - TERMINATION SECTION TO HAVE REMOVABLE
RAINTIGHT COVER WITH
 - PROVISION FOR PADLOCKING OVER CAPTIVE
PENTAHEAD BOLT ALL OTHER REMOVABLE
PORTIONS OF TERMINATION SECTION MUST
BE SEALABLE
 - ALTERNATE: IF PLASTIC CONDUIT IS USED
IN PLACE OF RIGID IT MUST BE ENCASED
IN 2 IN. OF CONCRETE FROM WHERE IT
ENTERS METAL ENCLOSURE TO 18 IN.
BELOW GROUND
- REFERENCES
- SEE DS-4-11.0 MAXIMUM AVAILABLE
FAULT CURRENTS

G 120/240V 100 AMP OR 200 AMP
PEDESTAL METERING



- A. FLEXIBLE TUBING - MAX. 2' EXPOSED ABOVE GRADE
- B. FINISH GRADE
- C. 1/2" POLY PIPE
- D. SCHEDULE 40 REDUCER COUPLING WITH COMPRESSION
RING, SEE LEGEND AND PLAN
- E. PVC PIPE (SIZE AS PER PLAN)
- F. DRIP EMITTER (SEE IRRIGATION LEGEND)
- G. CONNECTION BARB
- H. BROOKS 910 VALVE BOX WITH BOLT DOWN COVER
OR APPROVED EQUAL

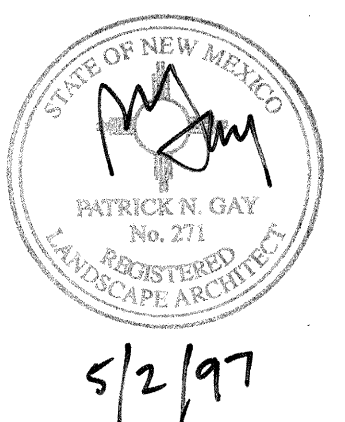
H PVC / POLY PIPE CONNECTION NOT TO SCALE



- A. FINISH GRADE
- B. 4" X 4" X 8" SOLID CMU BLOCK
- C. 6MM BLACK POLYETHYLENE PLASTIC
TAPE TO ALL INLET AND OUTLET PIPE.
INSTALL FULL LENGTH OF VALVE BOX.
- D. BROOKS 910 VALVE BOX WITH 8" EXTENSION
AND BOLT DOWN COVER, OR APPROVED EQUAL
- E. 4" LAYER OF 3/4" GRAVEL
- F. INLINE PRESSURE REGULATOR- SEE
IRRIGATION LEGEND AND PLAN.
- G. PVC LATERAL

I INLINE PRESSURE
REGULATOR NOT TO SCALE

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL															
CONTRACTOR		DATE		FIELD NOTES		STATE OF NEW MEXICO															
WORKED BY	DATE	NO.	BY	DATE	PATRICK N. GAY No. 271 REGISTERED LANDSCAPE ARCHITECT		5/2/97														
INSPECTOR'S ACCEPTANCE BY	DATE																				
VERIFICATION BY	DATE																				
DRAWINGS CORRECTED BY	DATE																				
MICRO-FILM INFORMATION																					
RECORDED BY	DATE																				
NO.																					
</																					



BOHANNAN-HUSTON INC.
ENGINEERS • PLANNERS • PHOTOGRAMMETRISTS • SURVEYORS • LANDSCAPE ARCHITECTS
ALBUQUERQUE LAS CRUCES SANTA FE

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: **RIVERVIEW PARK**
DETAILS

DESIGN REVIEW COMMITTEE
APPROVED
MAY 21 1997
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
LAST DESIGN UPDATE
MO./DAY/YR.
12/19/98

CITY PROJECT NO.
5211.90

ZONE MAP NO.
D-12

SHEET
15

OF
15