

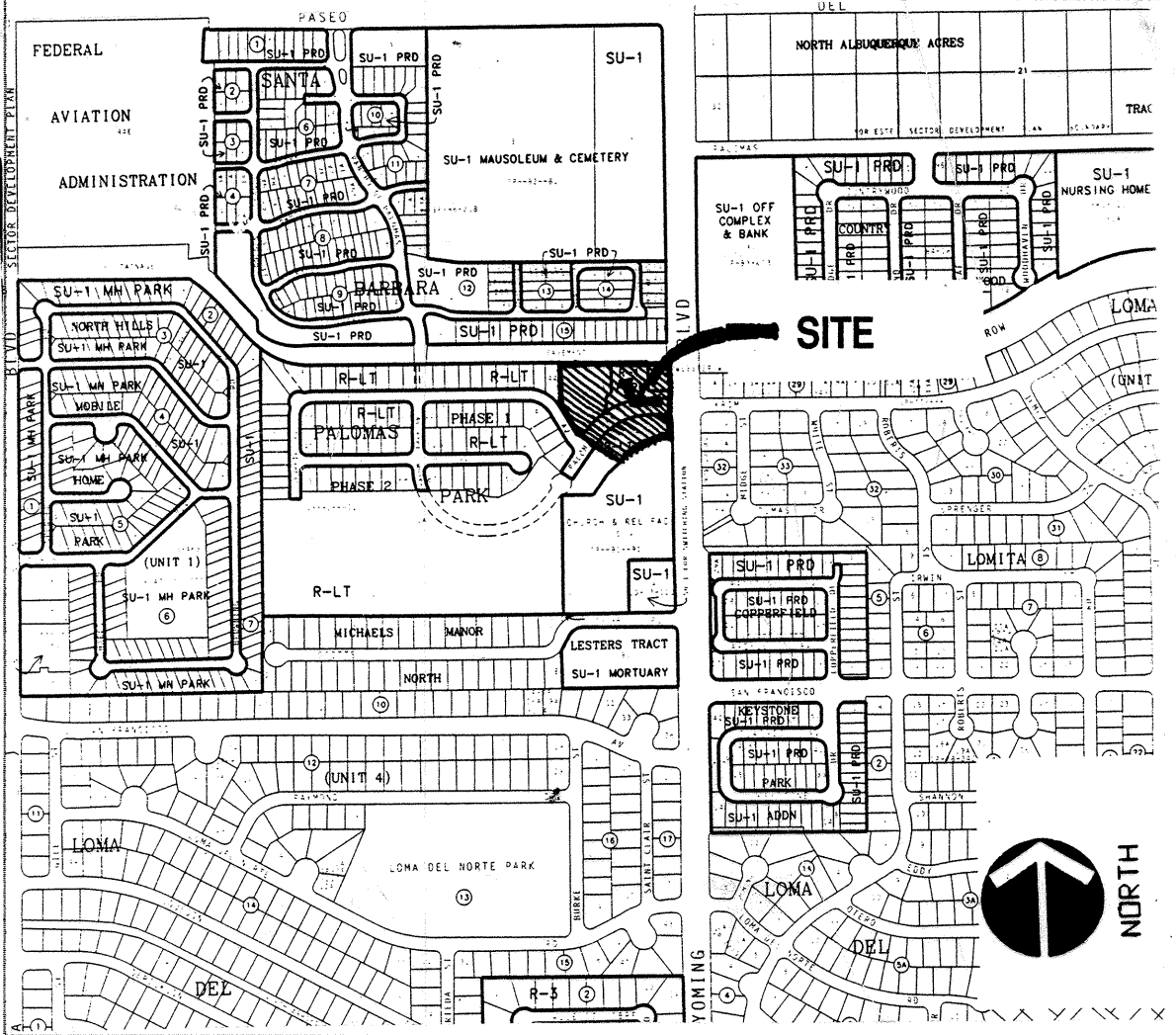
LANDSCAPE CONSTRUCTION PLANS
FOR
RANCHO DE PALOMAS PARK
CITY PROJECT NO. 4847.90

NOTE: THIS PROJECT IS DESIGNATED FOR CLASS II CONSTRUCTION

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DEPARTMENT

INDEX

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	CONSTRUCTION LAYOUT PLAN
4	GRADING PLAN
5	PLANTING PLAN
6	IRRIGATION PLAN
7	CONSTRUCTION DETAILS



VICINITY MAP
NOT TO SCALE
E-22

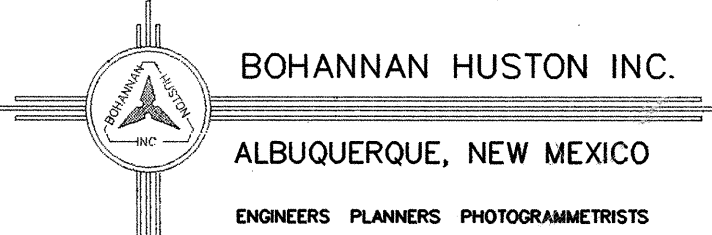
NOTICE TO CONTRACTORS

- 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, LATEST EDITION.
- 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.
- 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.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

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

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							



PROJECT NUMBER
4847.90

APPROVED FOR
CONSTRUCTION

Robert B. Roy
6/14/94 C.E.

SHEET 1 OF 7

GENERAL NOTES

- * ALL QUANTITIES SHOWN IN PLANT LIST AND IRRIGATION PARTS LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER QUANTITY TAKE OFFS. IN SITUATIONS WHERE PLANS CONFLICT WITH QUANTITIES SHOWN IN PLANT LIST OR IRRIGATION PARTS LIST THE QUANTITIES IN THE PLANS SHALL GOVERN.
- * CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS.
- * CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE LANDSCAPE ARCHITECT IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT.
- * EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CALL N.M ONE CALL AT 260-1990 FOR BLUE STAKING. IF PROBLEMS ARE DISCOVERED, CONTACT LANDSCAPE ARCHITECT TO DETERMINE COURSE OF ACTION.
- * CONTRACTOR SHALL PROTECT ALL NEWLY GRADED AREAS FROM TRAFFIC OR EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS, AT THE CONCLUSION OF EACH PLANTING SEQUENCE OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.

PROTECTION

- * PROTECTION OF PERSONS AND PROPERTY: CONTRACTOR IS TO BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK AND POST WITH WARNING LIGHTS OR OTHER WARNING MEASURES AS NECESSARY.
- * PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY EARTHWORK OPERATIONS.

GRADING

- * PERFORM GRADING AND EXCAVATION WORK IN COMPLIANCE WITH APPLICABLE SPECIFICATIONS, REQUIREMENTS, CODES AND ORDINANCES OF THE CITY OF ALBUQUERQUE AND OTHER GOVERNING BODIES HAVING JURISDICTION.
- * ROUGH GRADING SHALL BE PERFORMED TO SPECIFICATIONS BY GENERAL CONTRACTOR. GRADES SHALL BE AS PER THE PLANS, ?6".
- * ALL EARTHWORK SHALL BE DONE SO THAT ALL WATER DRAINS AWAY FROM STRUCTURES OR FLATWORK.
- * BEFORE LANDSCAPE OPERATIONS ARE INITIATED, SURFACE SHALL BE RAKED FREE OF STONES AND EXTRANEIOUS MATERIALS AND DEBRIS TO A SMOOTH AND EVEN TEXTURE. ALL EXTRANEIOUS MATTER WILL BE DISPOSED OF IN AN APPROPRIATE MANNER BY CONTRACTOR.

PLANTING NOTES

- * SCOPE: WORK COVERED IN THESE NOTES CONSISTS OF THE PLANTING OF SEED, SOD, TREES, SHRUBS, GROUNDCOVERS; GRADING AND MULCHING, INCLUDING THE FURNISHING OF ALL LABOR, EQUIPMENT, MATERIALS AND PERFORMING ALL WORK IN CONNECTION WITH THE DRAWINGS AND SPECIFICATIONS.
- * PLANT MATERIAL QUALITY, SIZE AND CONDITION SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK, 1980 EDITION, AS PUBLISHED BY THE COMMITTEE ON HORTICULTURAL STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.

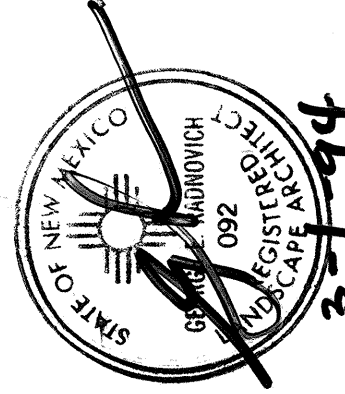
ALL PLANTS SHALL BY TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORES AND ALL OTHER FORMS OF INFECTIONS.
- * UNLESS OTHERWISE STATED ON THE DRAWINGS OR APPROVED BY LANDSCAPE ARCHITECT, ALL PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING SPECIES AND VARIETY.
- * CONTAINER GROWN PLANT MATERIAL SHALL HAVE BEEN ESTABLISHED IN ITS DELIVERY CONTAINER FOR NOT LESS THAN SIX MONTHS, BUT FOR NOT MORE THAN TWO YEARS. ANY ROOTBOUND MATERIAL WILL NOT BE ACCEPTED.



- * BALLED AND BURLAPPED PLANT MATERIAL SHALL HAVE A SOLID BALL OF EARTH OF MINIMUM SPECIFIED SIZE AND HELD IN PLACE SECURELY BY BURLAP AND A STOUT TWINE OR ROPE. BROKEN OR LOOSE BALLS WILL BE REJECTED.
- * UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, ALL TREES SHALL HAVE A SINGLE TRUNK THAT IS STRAIGHT AND FREE OF "DOG-LEGS", "CROOKS", "Y-CROTCHES", OR OTHER DISFIGURING SHAPES. THE CENTRAL LEADER OF ALL TREES SHALL NOT HAVE BEEN PRUNED. TREES WITH DOUBLE LEADERS ARE NOT ACCEPTABLE, UNLESS SPECIFIED AS MULTI-TRUNKED.
- * ALL PLANT MATERIAL SHALL HAVE A UNIFORM SHAPE AROUND ITS COMPLETE CIRCUMFERENCE. PLANT MATERIAL WITH IRREGULAR BRANCHING PATTERNS OR WITH BRANCHING PATTERNS MORE HIGHLY DEVELOPED ON ONE SIDE THAN ON OTHER SIDES SHALL NOT BE ACCEPTABLE UNLESS NOTED OTHERWISE.
- * PLANT MATERIAL SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. THE USE OF MATERIALS DIFFERING IN KIND, QUALITY OR SIZE FROM THAT SPECIFIED WILL BE ALLOWED ONLY AFTER THE LANDSCAPE ARCHITECT IS CONVINCED THAT ALL MEANS OF OBTAINING THE SPECIFIED MATERIALS HAVE BEEN EXHAUSTED. CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE THAT ALL MATERIALS NECESSARY TO COMPLETE THE PROJECT AS SPECIFIED HAVE BEEN LOCATED AND ALL REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED NO LATER THAN 2 WEEKS PRIOR TO THE INITIATION OF WORK.
- * ALL PLANT MATERIAL SHALL BE INSTALLED WITHIN THE FOLLOWING PLANTING WINDOWS:

BALLED AND BURLAPPED PLANTS:
JAN. 1 - JUNE 1/SEP. 30 - DECEMBER 30.

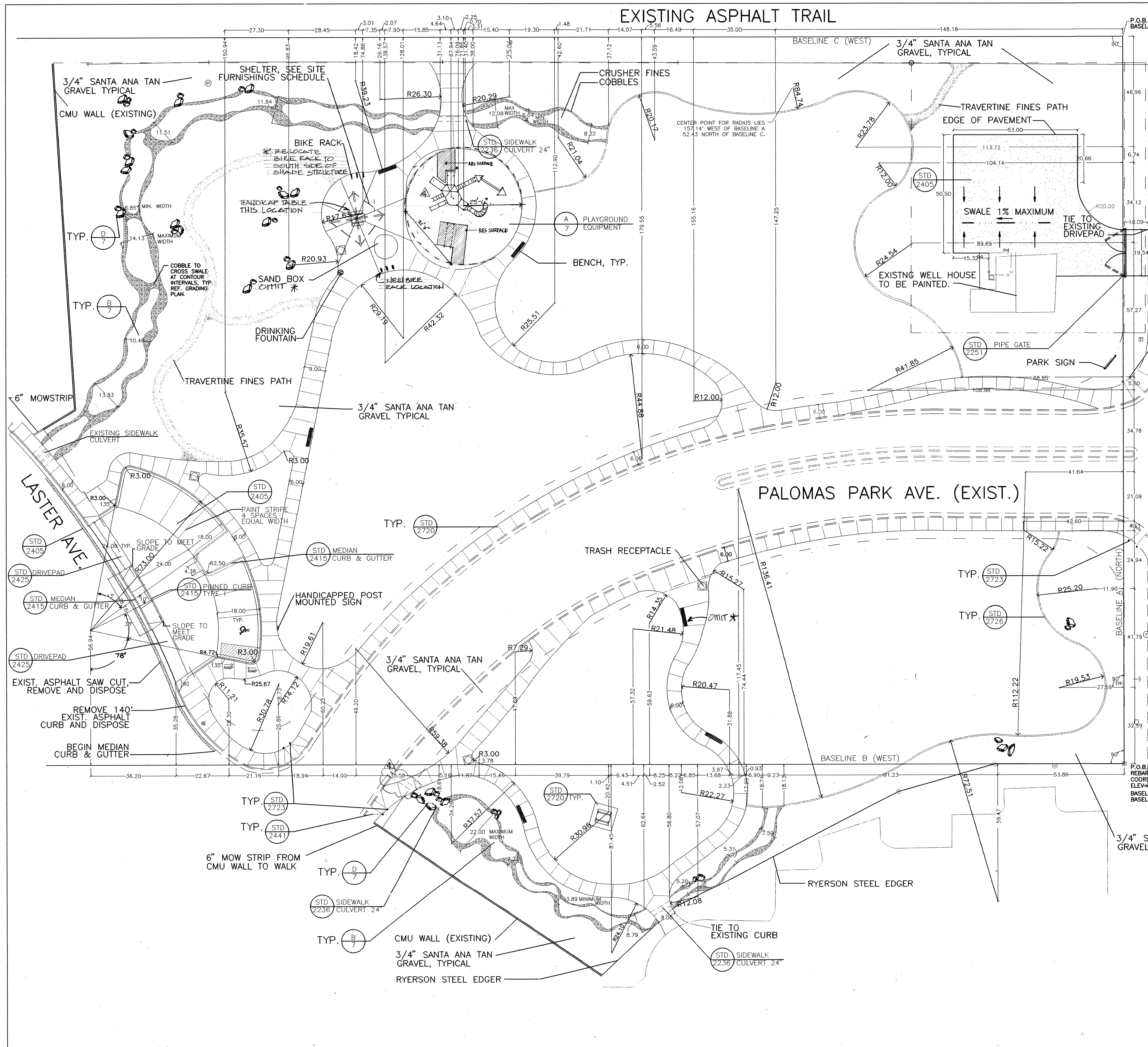
CONTAINERIZED PLANTS:
ALL YEAR, WITH LIMITATIONS AS NOTED.
- * THE LANDSCAPE ARCHITECT SHALL INSPECT ALL PLANT MATERIAL AT THE CONTRACTOR'S YARD PRIOR TO DELIVERY, DURING PLANTING AND AFTER PLANTING AT THE JOB SITE.
- * AT THE OPTION OF THE CONTRACTOR, THE LANDSCAPE ARCHITECT WILL INSPECT PLANT MATERIAL AT A WHOLESALE NURSERY OF THE CONTRACTOR'S CHOICE PRIOR TO DELIVERY OF MATERIALS TO THE CONTRACTOR'S YARD. HOWEVER, AT NO ADDITIONAL EXPENSE TO THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAVEL EXPENSES INCURRED BY THE LANDSCAPE ARCHITECT FOR ANY TRAVEL OUTSIDE OF THE ALBUQUERQUE METROPOLITAN AREA.
- * THE LANDSCAPE ARCHITECT SHALL BE THE JUDGE OF THE QUALITY AND ACCEPTABILITY OF ALL PLANT MATERIALS. ALL REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO OWNER.
- * ALL COLLECTED PLANTS MUST BE PRESENTED ON THE SITE AND SHALL BE IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF AGRICULTURE PLANT PROTECTION ACT, REGULATORY ORDER NO. 4.
- MULCHING
 - * ALL PLANTING BEDS SHOWN ON PLANS SHALL BE MULCHED. NO BEDS WILL BE LEFT UNCOVERED OR NOT TOP DRESSED, UNLESS OTHERWISE SPECIFIED.
 - * DEPTH OF MULCH APPLICATION SHALL BE 3" UNLESS OTHERWISE NOTED ON THE PLANS.
 - * ALL MULCH SHALL BE EDGED WITH A SECURE METAL OR CONCRETE EDGING, UNLESS OTHERWISE NOTED.
- PLANTING WARRANTIES
 - * ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE GUARANTEED FOR THE PERIOD OF TWO FULL YEARS OR TWO GROWING SEASONS, WHICHEVER COMES FIRST, BEGINNING ON THE DATE OF FINAL CONTRACT ACCEPTANCE.
 - * ALL PLANT MATERIALS FOUND NOT TO BE IN A LIVE, HEALTHY OR NORMAL GROWING CONDITION PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE BEFORE THE TWO-YEAR ESTABLISHMENT PERIOD BEGINS.
- SEEDING NOTES
 - * ALL AREAS DESIGNATED TO BE BUFFALO GRASS SHALL BE INSTALLED AS SEED FOLLOWING PROCEDURES DESCRIBED IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

- * ALL SEED SHALL BE INSTALLED WITHIN THE FOLLOWING PLANTING WINDOW:
MAY 1 - AUGUST 31.
- SEED WARRANTY AND MAINTENANCE
 - * PROTECTION AND MAINTENANCE OF SEEDED AREAS SHALL BE PROVIDED BY THE CONTRACTOR FOR A PERIOD OF NINETY DAYS, OR UNTIL THE ENTIRE LANDSCAPE IS ACCEPTED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF WATER DURING THE INSTALLATION AND MAINTENANCE OF THE SEEDED AREAS, UNTIL FINAL ACCEPTANCE.
- IRRIGATION NOTES
 - * WORK UNDER THIS SECTION CONSISTS OF INSTALLING A COMPLETE UNDERGROUND IRRIGATION SYSTEM AS SHOWN ON THESE PLANS, DETAILS AND SPECIFICATIONS. THE CONTRACTOR PERFORMING THIS WORK SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERMITS NECESSARY FOR THE COMPLETION OF THE IRRIGATION SYSTEM, EXCEPT FOR THOSE COMPONENTS SPECIFIED TO BE FURNISHED BY OTHERS.
 - * ALL PLANT MATERIALS SHALL BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEMS AS PER PLANS, DETAILS AND SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - * WHERE TREES, LIGHT STANDARDS, ETC. ARE AN OBSTRUCTION OF PIPING AND OTHER IRRIGATION EQUIPMENT, THEY SHALL BE ADJUSTED AND/ OR RELOCATED AS NECESSARY TO OBTAIN FULL COVERAGE WITHOUT EXCESSIVE OVERFLOW.
 - * CONTRACTOR SHALL FLUSH ALL LINES AND VALVES PRIOR TO INSTALLING HEADS AND EMITTERS.
 - * PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE CONSTRAINTS. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS OR TURF AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING OR PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.
 - COMPLY WITH REQUIREMENTS OF THE UNIFORM PLUMBING CODE AND CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION) AND ANY OTHER GOVERNMENTAL BODIES HAVING JURISDICTION.
 - * REFER TO IRRIGATION DETAILS, SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR ALL INSTALLATION PROCEDURES NOT FULLY DESCRIBED ON THE IRRIGATION PLANS.
 - * ALL BACKFILLING SHALL BE CLEAN MATERIAL FROM EXCAVATION. BACKFILLED TRENCH IS TO BE EVEN WITH EXISTING GRADES AFTER COMPACTION.
 - * TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO 85% PROCTOR DENSITY IN 6" LIFTS.
 - * CONTRACTOR SHALL COORDINATE CONTROLLER PROGRAMS TO AVOID STATION OVERLAP.
 - * ALL COMPONENTS INSTALLED AS THE UNDERGROUND IRRIGATION SYSTEM ARE TO BE NEW AND IN GOOD WORKING ORDER AND WITHOUT FLAWS UNLESS OTHERWISE INDICATED ON THE PLANS, DETAILS AND SPECIFICATIONS.
 - * ALL PLANT MATERIALS INSTALLED SHALL HAVE THE AUTOMATIC IRRIGATION SYSTEM FULLY OPERABLE AT THE TIME OF PLANT INSTALLATION UNLESS OTHERWISE NOTED ON THE PLANS.
- IRRIGATION WARRANTY AND MAINTENANCE
 - * THE CONTRACTOR SHALL FURNISH A CERTIFICATE OF WARRANTY AND A GUARANTEE OF WORK AND MATERIALS FOR A TWO-YEAR PERIOD FROM DATE OF FINAL ACCEPTANCE. FINAL PAYMENT FOR THE SYSTEM SHALL NOT BE MADE UNLESS THIS CERTIFICATE IS PRESENTED TO THE OWNER.
 - * THE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM, IN SATISFACTORY WORKING ORDER, DURING THE TIME OF CONTRACT WORK.
 - * THE CONTRACTOR SHALL BE LIABLE FOR ANY LOSS OR DAMAGE TO ANY WORK OR MATERIALS, SUPPLIES AND EQUIPMENT ON THE JOB SITE CAUSED BY THE CONTRACTOR, ITS EMPLOYEES OR ANY OTHER UNFORESEEN CAUSE UNTIL FINAL ACCEPTANCE OF PROJECT WITH THE LANDSCAPE ARCHITECT AND THE CITY OF ALBUQUERQUE.

AS BUILT INFORMATION			BENCH MARK			SURVEY INFORMATION			PROFESSIONAL SEAL			REMARKS		
CONTRACTOR	DATE:					NO.	BY	DATE				DESIGNED BY: KCP DRAWN BY: PA CHECKED BY: GR		
WORK STAKED BY	DATE:											DATE: 8/93		
INSPECTOR'S APPROVAL	DATE:											DATE: 8/93		
FIELD VERIFICATION BY	DATE:											DATE: 8/93		
DRAWING CORRECTED BY	DATE:													
MICRO-FILM INFORMATION														
RECORDED BY	DATE:													
NO.														

 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
TITLE: RANCHO DE PALOMAS PARK GENERAL NOTES											
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE						
DRC CHAIRMAN	<i>R. W. Kane</i>	6-13-94	WATER	<i>R. W. Kane</i>	5-18-94						
TRANSPORTATION	<i>R. W. Kane</i>	5-10-94	WASTE WATER	<i>R. W. Kane</i>	5-18-94						
HYDROLOGY	<i>R. W. Kane</i>	5-13-94									
PARKS	<i>R. W. Kane</i>	5-11-94									
DRAWING NO.	4847.90		MAP NO.	D-19-Z		SHEET		2		OF 7	

EXISTING ASPHALT TRAIL



SITE FURNISHINGS LEGEND

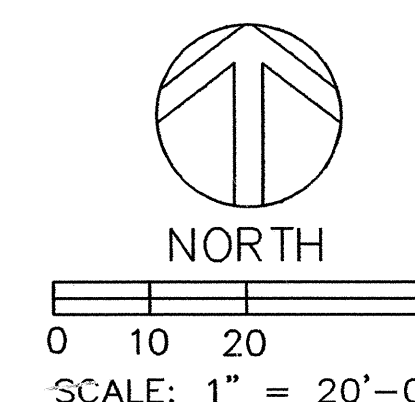
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	QTY
	BENCH COLOR- BROWN	WABASH VALLEY	P3350	5
	TABLE COLOR- BROWN	WABASH VALLEY	P3425	1
	TABLE COLOR- BROWN HANDICAP ACCESSIBLE	WABASH VALLEY	P3425	1
	SHELTER 16'X16'	CLASSIC REC. SYS. INC.	PRESCOTT	1
	TRASH RECEPTACLE	MATERIALS, INC.	RINCONADA	3
	BIKE LOOP	WABASH VALLEY	BL1430	3
	H2O FOUNTAIN M.D.F. MOST DEPENDABLE FOUNTAINS	440 DUAL RED		1
	LICHEN COVERED BOULDERS	INSTALL AS PER DETAIL D, SHEET 7.		

SUPPLEMENTAL CONSTRUCTION NOTES

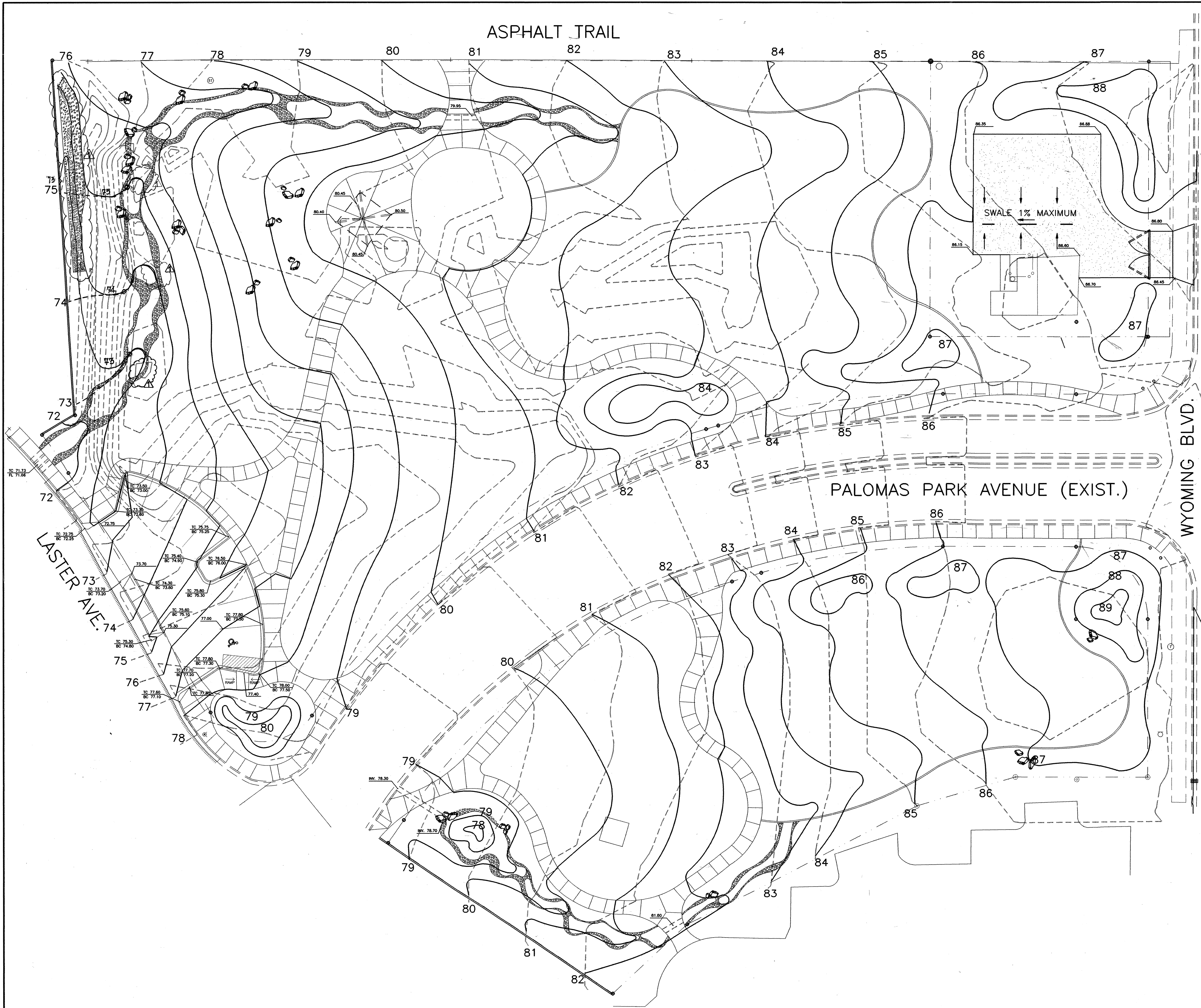
- ALL SITE FURNISHINGS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
- CONSTRUCTION JOINTS SHALL BE BUILT TO THE FOLLOWING CHARACTERISTICS:
EXPANSION JOINTS - 32' O.C.
CONTROL JOINTS - 8' O.C.
DIMENSIONS ARE SHOWN AS REFERENCE POINTS TO AID IN FIELD LAYOUT.
- SIDEWALKS AND OTHER FLATWORK SHALL APPROXIMATE PLAN LAYOUT WITH SMOOTH ARCS AND TANGENTS. PATHS, RETAINING WALLS, AND SIDEWALKS SHALL BE LAID OUT WITH CHALK LINE AND APPROVED BY OWNER.
- ALL SLEEVES UNDER PAVEMENT SHALL BE 6" DIAMETER CLASS 200 PVC PIPE.
- INSTALL PLAY EQUIPMENT AS PER DETAIL SHEET 7.
- EXISTING WELL HOUSE SHALL BE PAINTED. WELLBORN COLOR TO BE SPECIFIED BY PARKS AND GENERAL SERVICES. APPLY AS PER MANUFACTURER'S SPECIFICATIONS.
- CENTERPOINTS OF RADII OR DIMENSIONS WHICH EXTEND BEYOND THE LIMITS OF THIS SHEET ARE NOT TO SCALE.
- COBBLES IN SWALES SHALL BE USED IN AREAS OF GRADE CHANGE TO HELP ABATE EROSION.

DETAIL KEY

- DENOTES DETAIL # OR STANDARD COA DETAIL
 DENOTES PAGE # OR CITY STANDARD DRAWING NO.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RANCHO DE PALOMAS PARK CONSTRUCTION LAYOUT PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	6-13-94	WATER	<i>[Signature]</i>	5-18-94
TRANSPORTATION	<i>[Signature]</i>	5-20-94	WASTE WATER	<i>[Signature]</i>	5-18-94
HYDROLOGY	<i>[Signature]</i>	5/23/94			
PARKS	<i>[Signature]</i>	5-11-94			
DRAWING NO.	4847.90	MAP NO.	D-19-Z	SHEET	3 OF 7

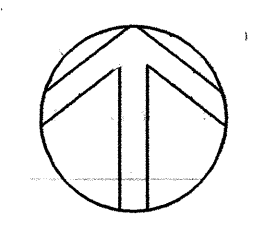


GRADING LEGEND

- EXISTING CONTOURS
- - - PROPOSED CONTOURS
- ← DIRECTION OF DRAINAGE FLOW

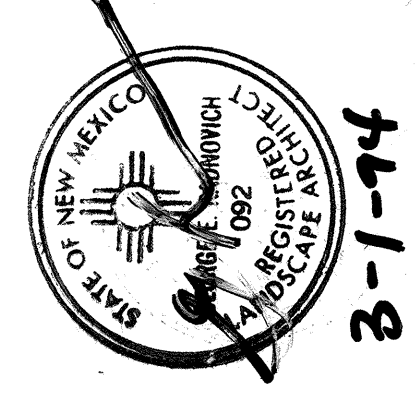
SUPPLEMENTAL GRADING NOTES

- * DISTURBANCE OF ESTABLISHED PERIPHERAL VEGETATION SHALL BE KEPT TO A MINIMUM FOR ALL OPERATIONS THAT ARE PART OF THIS PLAN SET.
- * PROPOSED SIDEWALKS, CURBS, AND ASPHALT SHALL MATCH GRADE ALONG ADJACENT STREETS, PALOMAS PARK DRIVE, AND LASTER STREET.
- * GRADES AS SHOWN MAY BE ADJUSTED IN THE FIELD DUE TO THE PRESENCE OF BURIED RUBBLE, AND EXISTING BOULDERS. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THE NORTHERN MOST QUADRANT OF THE PARK.
- * EXISTING TOPOGRAPHY WAS DERIVED FROM MAPPING, CONSTRUCTION AS-BUILTS, AND FIELD SURVEY. HOWEVER, MODIFICATIONS TO GRADES HAVE OCCURRED SINCE THAT TIME; CONTRACTOR SHALL FIELD VERIFY GRADES BEFORE EARTHWORK IS BEGUN.
- * CONTRACTOR SHALL PROVIDE PROTECTION FOR EXISTING PLANT MATERIALS. REFERENCE SHEET 5 OF 7. CONTRACTOR SHALL REPLACE ANY DAMAGED PLANT MATERIALS, IN KIND, AS DETERMINED BY OWNERS REPRESENTATIVE.
- * ADJUST ALL EXISTING TREES TO MEET NEW GRADES. SEE SHEET 5 FOR LOCATIONS.





0 10 20 40
SCALE: 1" = 20'-0"

SURVEY INFORMATION			BENCH MARK			AS BUILT INFORMATION		
FIELD NOTES			THE BENCH MARK IS A STAMPED USCAR'S BRASS TABLET STAMPED "HEAVEN 1969" SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND. IT IS LOCATED WEST ON PASEO DEL NORTE FROM WYOMING BLVD. APPROXIMATELY 800 FEET. ELEVATION = 5378.787			CONTRACTOR		
NO.	BY	DATE				WORK STAKED BY		
						INSPECTOR'S APPROVAL		
						FIELD VERIFICATION BY		
						DRAWING CORRECTED BY		
						MICRO-FILM INFORMATION		
						RECORDED BY		
						DATE		

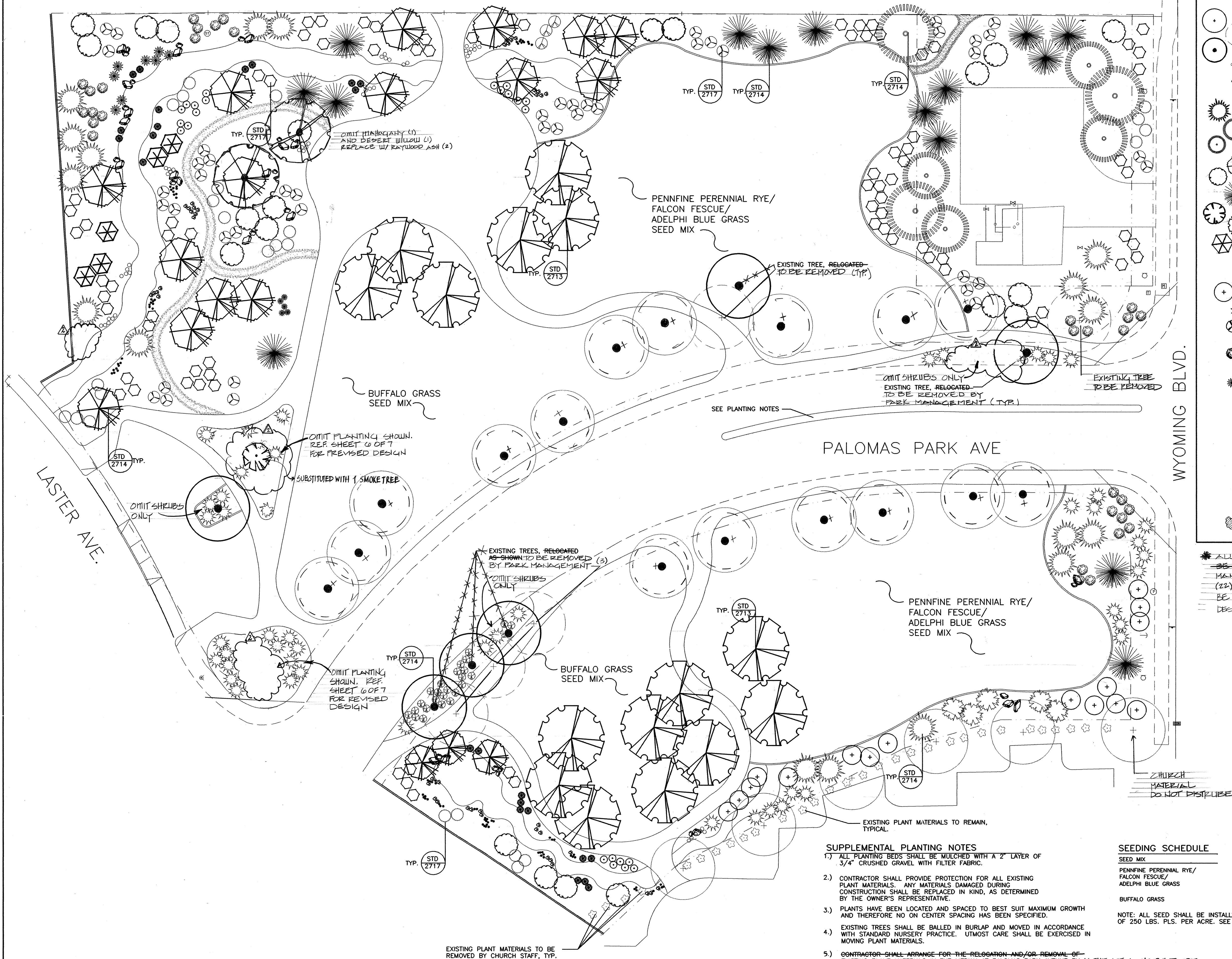


3-1-94

REVISIONS			DESIGN		
NO.	DATE	REMARKS	BY	DATE	DATE
1		DESIGNED BY: KCP/GR		8/93	
		DRAWN BY: PA		8/93	
		CHECKED BY: GR		8/93	

						CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP																	
TITLE: RANCHO DE PALOMAS PARK GRADING PLAN																							
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																		
DRC CHAIRMAN	<i>[Signature]</i>	5-13-94	WATER	<i>[Signature]</i>	5-18-94																		
TRANSPORTATION	<i>[Signature]</i>	5-20-94	WASTE WATER	<i>[Signature]</i>	5-18-94																		
HYDROLOGY	<i>[Signature]</i>	5-20-94																					
PARKS	<i>[Signature]</i>	5-11-94																					
DRAWING NO.	4847.90					MAP NO.	D-19-Z					SHEET	4		OF	7							

EXISTING ASPHALT TRAIL



PLANT LIST				
SYMBOL	COMMON NAME	BOTANICAL NAME	QTY	SIZE/NOTES
EXISTING PLANT MATERIALS				
(Symbol)	MODESTO ASH	Fraxinus velutina 'Modesto'	16 1/2	EXISTING - TO REMAIN
(Symbol)	MODESTO ASH	Fraxinus velutina 'Modesto'	5 21	EXISTING - TO BE RELOCATED
(Symbol)	MODESTO ASH	Fraxinus velutina 'Modesto'	5 22	EXISTING - TO BE RELOCATED
(Symbol)			28	EXISTING - TO REMAIN
(Symbol)			4	EXISTING - TO BE REMOVED
TREES				
(Symbol)	PINON PINE	Pinus edulis	17	6'-8" TALL
(Symbol)	ARIZONA CYPRESS	Cupressus glabra	3	15 GAL.
(Symbol)	ARIZONA CYPRESS	Cupressus glabra	4	5 GAL. CONT.
(Symbol)	DESERT WILLOW	Chiopsis linearis	17 1/2	15 GAL. CONT.
(Symbol)	CURLLEAF MOUNTAIN MAHOGANY	Cercocarpus ledifolius	21 20	5 GAL. CONT.
(Symbol)	WICHITA BLUE JUNIPER	Juniperus scopulorum 'Wichita Blue'	15	5 GAL. CONT.
(Symbol)	SMOKE TREE	Cotinus cogria	8 1	15 GAL. CONT.
(Symbol)	RAYWOOD ASH	Fraxinus coyocarpa 'Raywood'	15 19	15 GAL. CONT. 2 1/2" CALIFER
(Symbol)	FALSE INDIGO	Amorpha fruticosa	5	5 GAL. CONT.
SHRUBS				
(Symbol)	CHAMISA	Chrysothamnus nauseosus	84	1 GAL. CONT.
(Symbol)	PARNEY COTONEASTER	Cotoneaster parneyi	16	1 GAL. CONT.
(Symbol)	BROADMOOR JUNIPER	Juniperus sp. 'Broadmoor'	18 36	5 GAL. CONT.
(Symbol)	FERNBUSH	Chamaebatia millefolium	52	1 GAL. CONT.
(Symbol)	CLIFF FENDLERBUSH	Fendlera rupicola	25	1 GAL. CONT.
(Symbol)	THREELEAF SUMAC	Rhus trilobata	31	1 GAL. CONT.
(Symbol)	TAM JUNIPER	Juniperus sp. 'Tamariscifolia'	5	5 GAL. CONT.
(Symbol)	BEARGRASS	Nolina microcarpa	8	1 GAL.
GROUND COVERS				
(Symbol)	GAYFEATHER	Liatris spicata	62	4" POTS
(Symbol)	RAYED COTA	Thelesperma filifolia	23	4" POTS
(Symbol)	BUSH PENSTEMON	Penstemon ambiguus	48	4" POTS
(Symbol)	FERN VERBENA	Verbena bipinnatifida	79	4" POTS
(Symbol)	COMPACT MAHONIA	Mahonia aquifolium 'Compacta'	41	2 GAL.
GRASSES				
(Symbol)	DWARF FEATHERTOP	Pennisetum villosum	21	1 GAL.
(Symbol)	BLUE AVEENA	Helictotrichon sempervirens	274	4" POTS 12" O.C.

* ALL EXISTING MODESTO ASH TO REMAIN OR BE RELOCATED SHALL BE REMOVED BY PARK MANAGEMENT (21 TREES). THEREFORE, (22) NEW MODESTO ASH 2 1/2" CAL SHALL BE ORDERED AND INSTALLED AT LOCATIONS DESIGNATED.

PALOMAS PARK AVE

WYOMING BLVD.

PENNFINE PERENNIAL RYE/ FALCON FESCUE/ ADELPHI BLUE GRASS SEED MIX

BUFFALO GRASS SEED MIX

SUPPLEMENTAL PLANTING NOTES

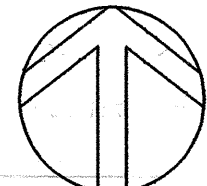
- ALL PLANTING BEDS SHALL BE MULCHED WITH A 2" LAYER OF 3/4" CRUSHED GRAVEL WITH FILTER FABRIC.
- CONTRACTOR SHALL PROVIDE PROTECTION FOR ALL EXISTING PLANT MATERIALS. ANY MATERIALS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND, AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
- PLANTS HAVE BEEN LOCATED AND SPACED TO BEST SUIT MAXIMUM GROWTH AND THEREFORE NO ON CENTER SPACING HAS BEEN SPECIFIED.
- EXISTING TREES SHALL BE BALLED IN BURLAP AND MOVED IN ACCORDANCE WITH STANDARD NURSERY PRACTICE. UTMOST CARE SHALL BE EXERCISED IN MOVING PLANT MATERIALS.
- CONTRACTOR SHALL ARRANGE FOR THE RELOCATION AND/OR REMOVAL OF EXISTING PLANT MATERIALS IN THE MEDIAN AT PALOMAS PARK AVENUE BY 15 THE RESPONSIBILITY OF BROWN & ASSOCIATES, 883-1674.
- CONTRACTOR SHALL COORDINATE WITH CHURCH STAFF, AT THE CHURCH OF THE RISEN SAVIOR, 821-1571, TO ARRANGE FOR THE REMOVAL OF EXISTING PLANT MATERIALS, AS SHOWN ON THE PLANS, BY CHURCH STAFF.

SEEDING SCHEDULE

SEED MIX
PENNFINE PERENNIAL RYE/
FALCON FESCUE/
ADELPHI BLUE GRASS




























BUFFALO GRASS

NOTE: ALL SEED SHALL BE INSTALLED AT THE RATE OF 250 LBS. PLS. PER ACRE. SEE SPECIFICATIONS.



0 10 20 40
SCALE: 1" = 20'-0"

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RANCHO DE PALOMAS PARK PLANTING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	5/9/94	6-13-94	WATER	R.D. Kane	5-18-94
TRANSPORTATION	5/10/94	5-10-94	WASTE WATER	R.D. Kane	5-18-94
HYDROLOGY	5/23/94				
PARKS	5-11-94				
DRAWING NO.	4847.90		MAP NO.	D-19-Z	
			SHEET	5	OF 7

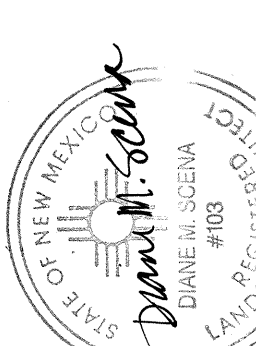
LEGEND							
SYMBOL/ DETAIL	DESCRIPTION	MODEL	GPM	QTY	PR	PSI	NOTES
	CONTROLLER			1			
	MOTOROLA MIR SATELLITE WATER METER	24 STATIONS		1		70-90	AS PER PLAN
	2702-A MASTER VALVE-BERMAD	910-P2"		1			
	2702-A PVB- FEBCO	765		1			
	2707 MANUAL GATE VALVE CHAMPION	4150		4			SIZE AS PER PLAN
	2705 AIR RELEASE VALVE- CRISPIN	A5		1			
	2705 MANUAL DRAIN-MATCO	515705		3			
	2703 CONTROL VALVE-RAINBIRD	PEB SERIES		10			SIZE AS PER PLAN
	2703 CONTROL VALVE-RAINBIRD BUBBLER IRRIGATION ZONES	PEB SERIES		4			SIZE AS PER PLAN
	2709-A CONTROL VALVE-RAINBIRD	PEB SERIES		3			SIZE AS PER PLAN
	F/7 INLINE PRESSURE REGULATOR- RAINBIRD	PSI-L30X		3			
	2709-A 3/4 FILTER-CMB INSTALL WITH DRIP ZONES	3131					SIZE AS PER LATERAL LINE SIZE
	E/7 MULTI OUTLET EMITTER RAINBIRD EMITTER BOX- RAINBIRD	XBD-81 XERI-BIRD SEB-6X		77		15-60	1 GPH EACH EMITTER 8 GPH MAXIMUM SEE EMITTER SCHEDULE
	E/7 MULTI OUTLET EMITTER RAINBIRD EMITTER BOX- RAINBIRD	XB-10-6 XERI-BUG SEB-6X		146		15-50	1 GPH EACH EMITTER 6 GPH MAXIMUM SEE EMITTER SCHEDULE
	2710 FLOOD BUBBLER RAINBIRD	1402	.50	84		50	PRESSURE COMPENSATING
	2709 GEAR DRIVEN ROTORS- HUNTER	PGM-06-A-V	3.75	13	.58	40	25'-29' F
	2709 GEAR DRIVEN ROTORS- HUNTER	PGM-06-A-V	2.81	1	.58	40	25'-29' TQ
	2709 GEAR DRIVEN ROTORS- HUNTER	PGM-06-A-V	1.88	21	.58	40	25'-29' H
	2709 GEAR DRIVEN ROTORS- HUNTER	PGM-06-A-V	.94	8	.58	40	25'-29' Q
	2709 POP-UP SPRINKLER HUNTER	PGM-06-A-V	5.30	34	.57	40	30'-34' F
	2709 POP-UP SPRINKLER HUNTER	PGM-06-A-V	3.98	4	.57	40	30'-34' TQ
	2709 POP-UP SPRINKLER HUNTER	PGM-06-A-V	2.65	29	.57	40	30'-34' H
	2709 POP-UP SPRINKLER HUNTER	PGM-06-A-V	1.33	9	.57	40	30'-34' Q
	LATERAL	SCH 40 PVC					
	MAINLINE	SCH 40 PVC					
	SLEEVE	SCH 40 PVC					
	DRINKING FOUNTAIN						

* DETAIL NUMBER SPECIFIES CITY OF ALBUQUERQUE STANDARD DRAWING NUMBER.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND COST OF THE METER AND UTILITY EXPANSION FEES, INCLUDING UTILITY COORDINATION AND PERMITS.
- THE IRRIGATION PLAN AS SHOWN IS SCHEMATIC. LINES ARE SHOWN IN STREET OR SIDEWALKS FOR CLARITY ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS OF EXISTING EQUIPMENT BEFORE INITIATION OF CONSTRUCTION PROCEDURES.
- AIR RELEASE VALVES SHALL BE FIELD LOCATED AND INSTALLED AT ALL HIGH POINTS OF MAINLINE (TYPICAL). LOCATION SHOWN ON PLAN MAY NEED ADJUSTMENT.
- MANUAL DRAINS SHALL BE INSTALLED ON THE END POINT OR LOW POINTS IN THE MAINLINE (TYPICAL). LOCATION SHOWN ON PLAN MAY NEED ADJUSTMENT.
- MULTI OUTLET EMITTERS SHALL BE INSTALLED IN RAINBIRD SUBTERRANEAN BOXES, MODEL #SEB-6X.
- AN IRRIGATION SCHEDULE HAS BEEN INCLUDED ON THIS SHEET TO SPECIFY FLOWERS NECESSARY FOR THE DRIP SYSTEM.
- EXISTING IRRIGATION LINES IN THE PARK SHALL BE ABANDONED IN PLACE. EXISTING IRRIGATION LINES INSTALLED IN SLEEVING BENEATH PALOMAS PARK AVE. SHALL BE REMOVED AND DISPOSED OF.
- CONTRACTOR SHALL COORDINATE SPECIFIED CHANGES TO BE MADE TO THE EXISTING IRRIGATION SYSTEM AT THE CHURCH OF THE RISEN SAVIOR WITH CHURCH STAFF. ALL WORK TO BE PERFORMED ON THE CHURCH SITE SHALL BE THE RESPONSIBILITY OF THE CHURCH.
- EXISTING SLEEVE UNDER PALOMAS PARK AVENUE SHALL BE REPAIRED AS NEEDED REJOIN SECTIONS BENEATH THE MEDIAN.
- ALL BUBBLERS AND EMITTERS SHALL BE LOCATED ON THE UPHILL SIDE OF THE PLANT, TYPICAL.
- VALVE BOXES SHALL BE LOCATED SUCH THAT THEY ARE ACCESSIBLE WITHOUT CAUSING DAMAGE TO SURROUNDING PLANT MATERIALS.

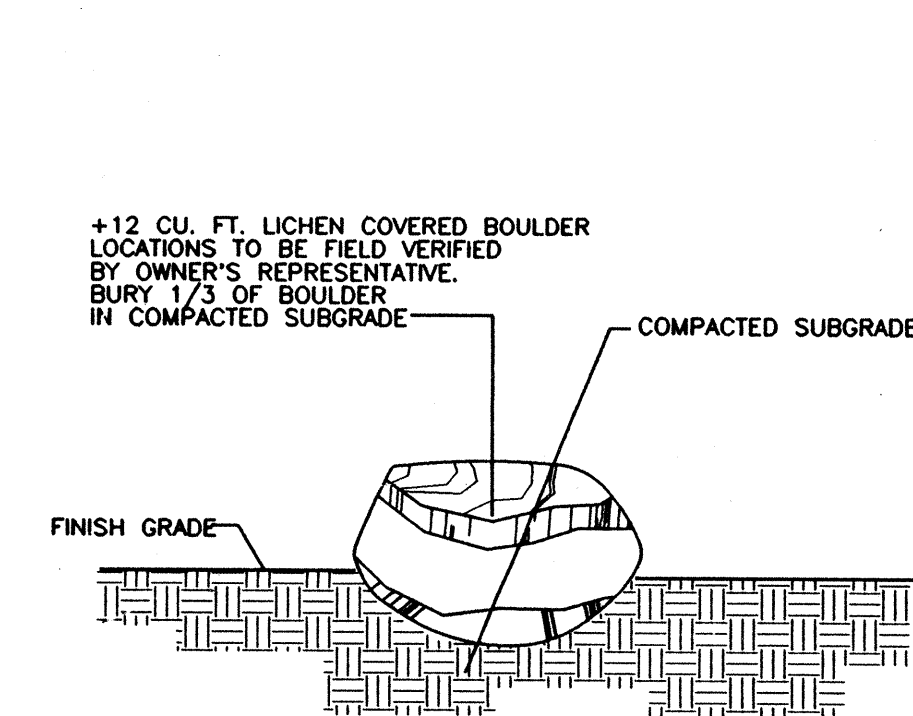
1. CONTRACTOR SHALL COORDINATE WITH CITY OF ALBUQUERQUE CUSTOMER SERVICES, PUBLIC WORKS DEPT, WATER UTILITY DIVISION, 768-2800 FOR THE TAP TO 12" PUBLIC WATER LINE.
2. 1 1/2" WATER METER PIT INCLUDING ALL INTERIOR PIPING FOR INSTALLATION OF 1 1/2" METER BY CITY CUSTOMER SERVICES CREWS IS EXISTING. CONTRACTOR SHALL COORDINATE INSTALLATION AND BE RESPONSIBLE FOR ALL FEES INCLUDING UEC CHARGES.
3. ELECTRICAL POWER FOR THE IRRIGATION CONTROLLER SHALL BE

OVERALL VALVE LEGEND				TYPE	PROGRAM NO
VALVE/ STATION NO.	SIZE	GPM	EQUIPMENT		
V-13	1"	8.06	DRIP		11
VA-11	1 1/2"	35.21	TURF		NA 2
V-4	1"	4.78	BUBBLER		3
V-2	1 1/2"	45.65	TURF		5
V-3	1"	49.09	TURF		6
V-4	1"	18.87	NATIVE TURF		7
V-5	1 1/2"	34.98	NATIVE TURF		8
VA-12	1" 6-5		BUBBLER		9
V-14	1"	11.0	DRIP		12
V-6	1 1/2"	29.15	TURF		13
V-7	2"	63.61	TURF		14
VB-11	1"	2.5	BUBBLER		15
V-15	1"	9.1	DRIP		6
V-8	1 1/2"	42.41	TURF		10
V-9	1 1/2"	29.09	TURF		11
V-10	1 1/2"	20.65	NATIVE TURF		12
VB-9	1"	5.5	BUBBLER		13
V-24	2"		MASTERVAVE		14

MODEL	GPM	QTY	PR	PSI	NOTES	AS BUILT INFORMATION	BENCH MARK	SURVEY INFORMATION	PROFESSIONAL SEAL	DATE	BY	REMARKS	DESIGNED BY: CF	DRAWN BY: CF	CHECKED BY: CF	
STATIONS		1														
10-P2"		1		70-90	AS PER PLAN											
15		1														
150		4			SIZE AS PER PLAN											
A5		1														
15705		3														
EB SERIES		10			SIZE AS PER PLAN											
EB SERIES		4			SIZE AS PER PLAN											
EB SERIES		3			SIZE AS PER PLAN											
PSI-L30X		3														
31		3			SIZE AS PER LATERAL LINE SIZE											
D-81 RI-BIRD 6-X		77		15-60	1 GPH EACH EMITTER 6 GPH MAXIMUM SEE EMITTER SCHEDULE											
-10-6 RI-BUG 6-X		146		15-50	1 GPH EACH EMITTER 6 GPH MAXIMUM SEE EMITTER SCHEDULE											
02	.50	84		50	PRESSURE COMPENSATING											
M-06-A-V	3.75	13	.58	40	25'-29' F											
M-06-A-V	2.81	1	.58	40	25'-29' T											
M-06-A-V	1.88	21	.58	40	25'-29' H											
M-06-A-V	.94	8	.58	40	25'-29' Q											
M-06-A-V	5.30	34	.57	40	30'-34' F											
M-06-A-V	3.98	4	.57	40	30'-34' T											
M-06-A-V	2.65	29	.57	40	30'-34' H											
M-06-A-V	1.33	9	.57	40	30'-34' Q											
CITY OF ALBUQUERQUE STANDARD DRAWING NUMBER.																
IRIGATION NOTES																
ONSIBLE FOR THE INSTALLATION AND COST OF TION FEES, INCLUDING UTILITY COORDINATION																
OWN IS SCHEMATIC. LINES ARE SHOWN IN STREET ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL PMENT BEFORE INITIATION OF CONSTRUCTION																
BE FIELD LOCATED AND INSTALLED AT ALL HIGH (L). LOCATION SHOWN ON PLAN MAY NEED																
NSTALLED ON THE END POINT OR LOW POINTS IN LOCATION SHOWN ON PLAN MAY NEED ADJUSTMENT.																
L BE INSTALLED IN RAINBIRD SUBTERRANEAN																
BEEN INCLUDED ON THIS SHEET TO SPECIFY DRIP SYSTEM.																
THE PARK SHALL BE ABANDONED IN PLACE. NSTALLED IN SLEEVING BENEATH PALOMAS PARK D DISPOSED OF.																
DATE SPECIFIED CHANGES TO BE MADE TO ITEM AT THE CHURCH OF THE RISEN SAVIOR ORK TO BE PERFORMED ON THE CHURCH SITE Y OF THE CHURCH.																
PALOMAS PARK AVENUE SHALL BE REPAIRED BENEATH THE MEDIAN.																
S SHALL BE LOCATED ON THE UPHILL SIDE																
ATED SUCH THAT THEY ARE ACCESSIBLE O SURROUNDING PLANT MATERIALS.																
DINATE WITH CITY OF ALBUQUERQUE LIC WORKS DEPT. WATER UTILITY THE TAP TO 12" PUBLIC WATER LINE.																
INCLUDING ALL INTERIOR PIPING FOR METER BY CITY CUSTOMER SERVICES CREWS SHALL COORDINATE INSTALLATION AND BE ES INCLUDING UEC CHARGES.																
HE IRRIGATION CONTROLLER SHALL BE																
NORTH																
0 10 20 40 SCALE: 1" = 20'-0"																
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP																
TITLE: RANCHO DE PALOMAS PARK IRRIGATION PLAN																
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE											
DRC CHAIRMAN	B. G. Smalley	6/13/94	WATER	R. W. Kane	5-18-94											
TRANSPORTATION	T. Smith	5-20-94	WASTE WATER	R. W. Kane	5-18-94											
HYDROLOGY	Sherry	6/23/94														
PARKS	D. Scina	5-11-94														
DRAWING NO.	4847.90	MAP NO. D-19-Z		SHEET 6 OF 7												

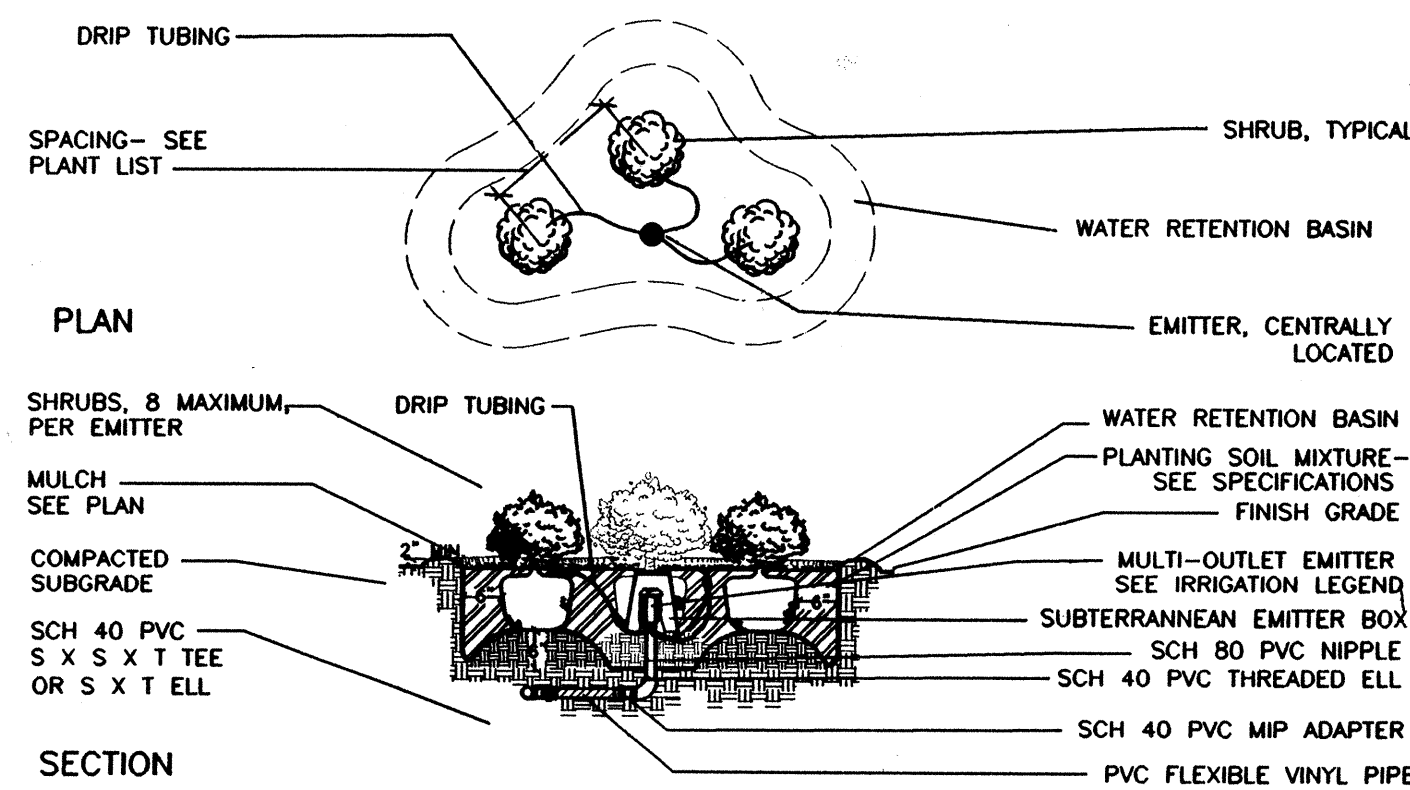
RANCHO DE PALOMAS PARK
ALBUQUERQUE, NM
SCALE IS 1/4" = 1'-0"
PLAYBOOSTER COMPONENT SYSTEM
6-20-94 DRAWN BY: DFS
STRUCTURE DIMENSIONS:
ACTUAL SIZE: 31' X 31'
AREA REQUIRED: 40' X 40'

PLAYGROUND EQUIPMENT LAYOUT



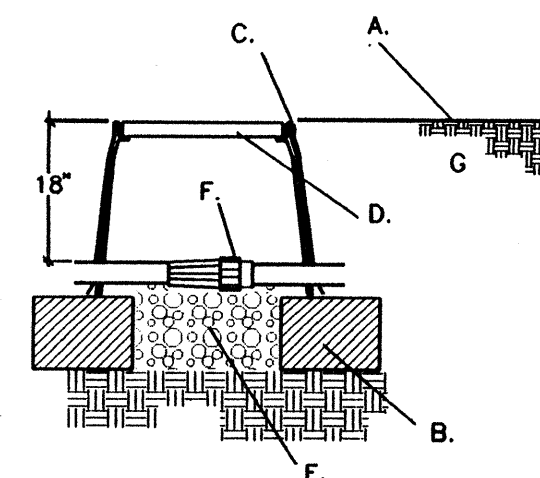
BOULDER INSTALLATION

NOT TO SCALE



MULTI-OUTLET EMITTER

NOT TO SCALE



INLINE PRESSURE REGULATOR

NOT TO SCALE

PLAY STRUCTURE PARTS LIST

Style: Playbooster Posts: Aluminum Bury Type: Direct Bury
QTY NO. DESCRIPTION

ATTACHMENTS/CONNECTORS

- 1 111468 2" TRAPEZE HORIZONTAL LADDER-(GREEN)
- 1 111325 LOOP POLE 56" DECK-(GREEN)
- 1 111359 SNAKE CLIMBER 48" DECK-(GREEN)
- 1 111353 TRACK RIDE-(TAN)

Weight & Cost of Playstructure Items
Concrete: 56.20 cu-ft, Footings: 34
Labor: 59.00 Man-Hours

INDEPENDENT COMPONENTS

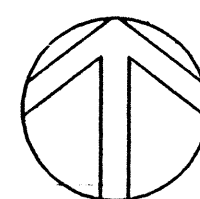
- IMAGINARY PLAY
1 100009 TALK TUBES W/2 POSTS-(GREEN)
- SPRING RIDERS
2 100016 HORSE (PERMALENE)-(TAN/RED)
- INDEPENDENT SWINGS
1 100050 5" ARCH BELT SWINGS, 2 PLACE-(TAN)
- SWING SEATS
1 100055 FULL BUCKET SEAT

PLAYSTRUCTURE COMPONENTS

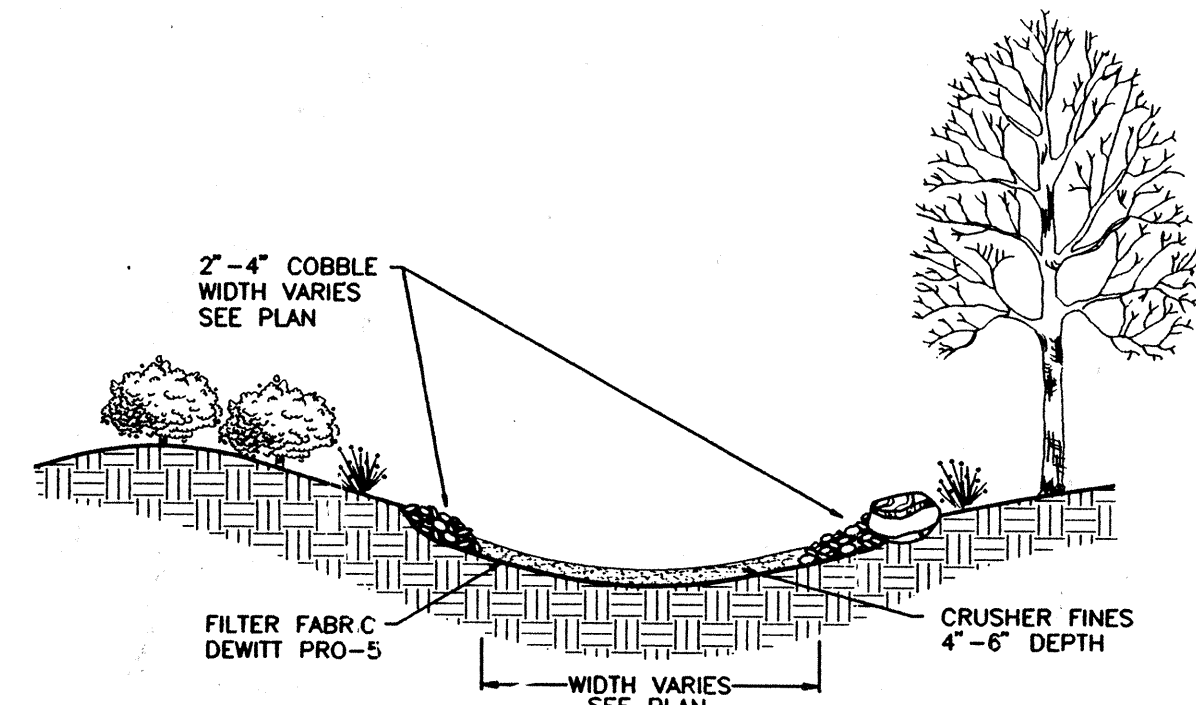
- POSTS-(TAN)
2 111404 148" ALUM. POST
4 111404 132" ALUM. POST
1 111404 124" ALUM. POST
1 111404 116" ALUM. POST
3 111404 92" ALUM. POST
6 111403 174" ALUM. POST FOR ROOF
- ROOFS-(TAN)
1 111258 HEX POLY ROOF
- DECKS-(DARK BROWN)
1 111232 HEXAGON TENDERDECK
3 111253 KICK PLATE FOR 8" RISE
2 111253 KICK PLATE FOR 16" RISE
1 111228 SQUARE TENDERDECK
1 111248 TRANSFER MODULE, STRT. 32" DECK
7 111231 TRIANGULAR TENDERDECK
- ENCLOSURES-(DARK BROWN)
2 111268 PIPE BARRIER
1 111271 VERTICAL LADDER 56" DECK
- PERMALENE PANELS-(TAN)
1 111295 SPELLING PANEL
- SLIDES-(TAN)
1 111313 DOUBLE POLY SLIDE 40" DECK
1 111314 SLIDEWINDER 72" DECK
1 111314 WAVE POLY SLIDE 56" DECK

PLAYGROUND INSTALLATION NOTES:

- 1.) PLAYGROUND EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. DIMENSIONS GIVEN INDICATE MINIMUM CLEARANCES.
- 2.) EQUIPMENT SHALL BE FLAGGED OFF DAILY, AND TEMPORARY SIGNAGE POSTED PROHIBITING USE OF EQUIPMENT UNTIL INSTALLATION OF GROUND SURFACE TREATMENTS AND EQUIPMENT IS COMPLETED.
- 3.) INSTALL ~~2~~ POURED IN PLACE "SAF-DEK" RESILIENT SURFACE, OR APPROVED EQUAL, ON 4" CONCRETE BASE COURSE, AS PER MANUFACTURER'S SPECIFICATIONS. COLOR SHALL BE TAN/BLACK. REF. NOTE NO. 5 FOR SAF-DEK SURFACE THICKNESS.
- 4.) NUMBERS ON DECKS INDICATE HEIGHT OF DECK. LETTERS AT POST LOCATIONS INDICATE LENGTH OF POSTS. REFERENCE MANUFACTURER'S INSTALLATION SPECIFICATIONS.
- 5.) THICKNESS OF SAF-DEK SURFACE AT SWING AREA SHALL BE ", BASED ON A SWING HEIGHT OF 8FT.
THICKNESS OF SAF-DEK SURFACE AT TRANSFER DECK SHALL BE ", BASED ON A DECK HEIGHT OF 10".

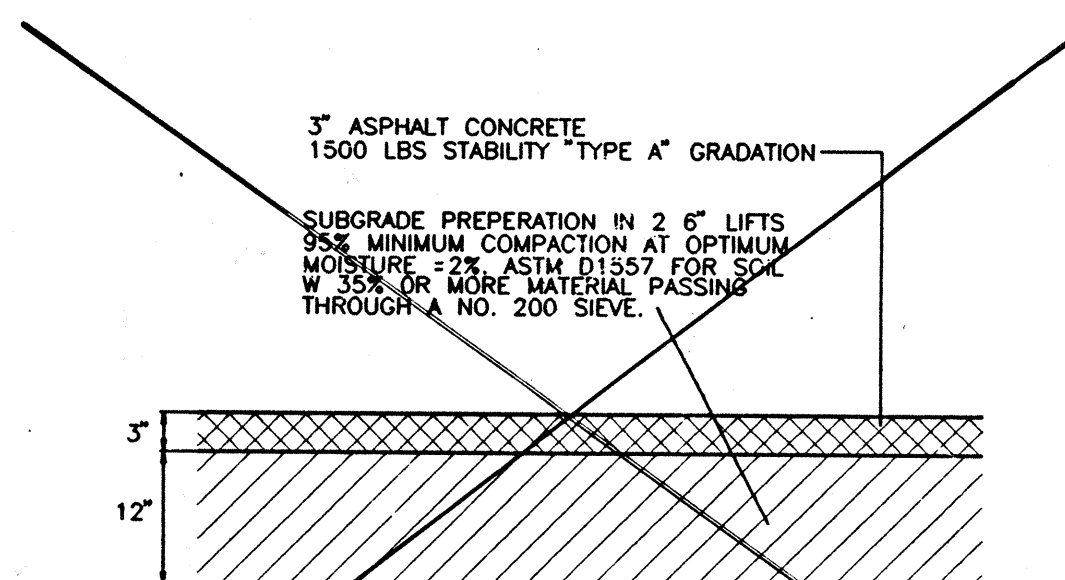


0 10 20 40
SCALE: 1/4" = 1'-0"



SWALE DETAIL

NOT TO SCALE



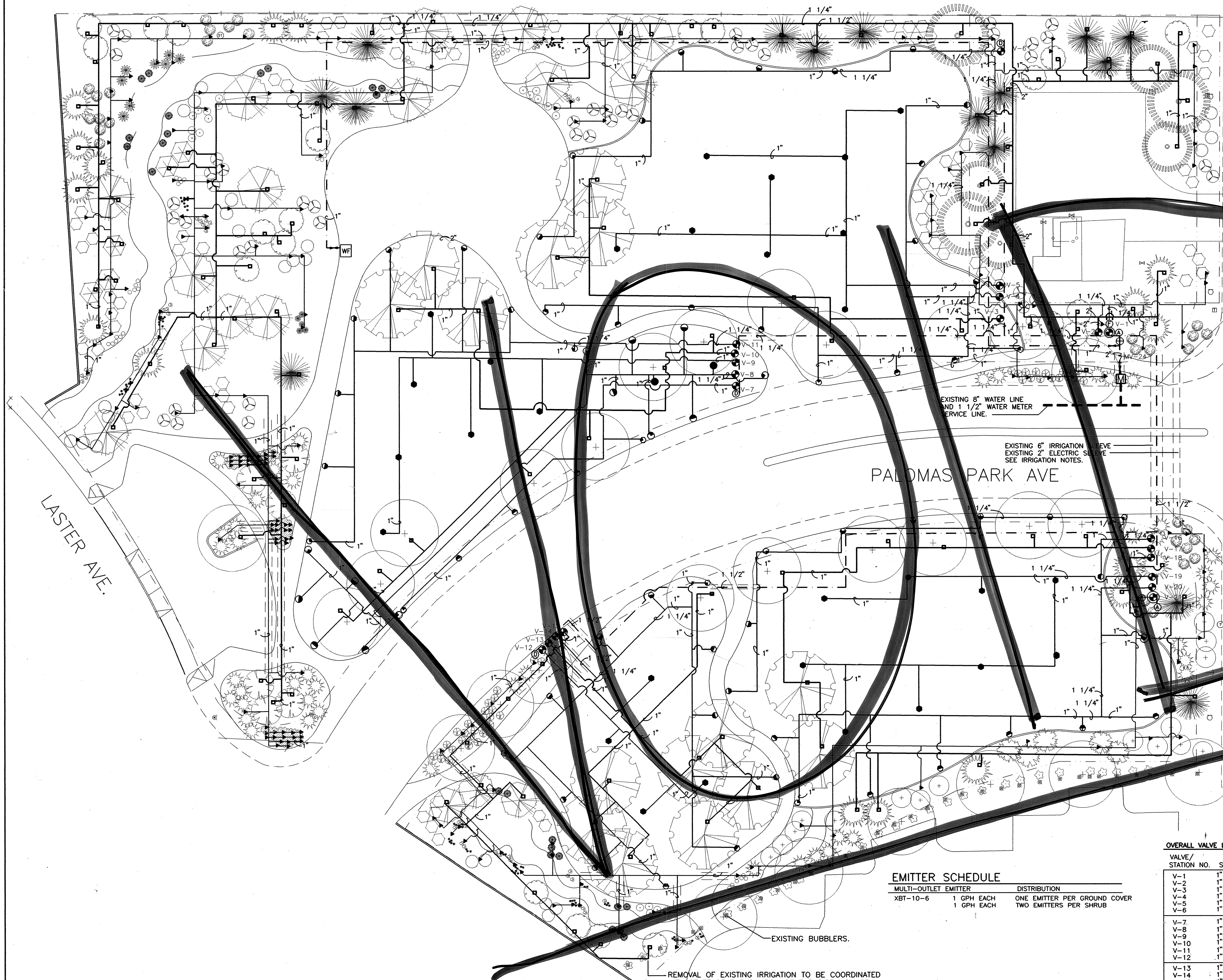
PAVING DETAIL

OMIT

NOT TO SCALE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RANCHO DE PALOMAS PARK CONSTRUCTION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	R. J. Kuma	5-18-94	WATER	R. J. Kuma	5-18-94
TRANSPORTATION	R. J. Kuma	5-18-94	WASTE WATER	R. J. Kuma	5-18-94
HYDROLOGY	R. J. Kuma	5-18-94			
PARKS	R. J. Kuma	5-18-94			
DRAWING NO.	4847.90	MAP NO.	D-19-Z	SHEET	7 OF 7

EXISTING ASPHALT TRAIL



LEGEND							
SYMBOL/ DETAIL	DESCRIPTION	MODEL	GPM	QTY	PR	PSI	NOTES
	CONTROLLER			1			
	MOTOROLA MIR SATELLITE	24 STATIONS					
	WATER METER			1		70-90	AS PER PLAN
	2702-A MASTER VALVE-BERMAID	910-P2"		1			
	2702-A PEB- PEBCO	76S		1			
	INSULATED ENCLOSURE--	SSB9C-30ALI		1			
	STRONGBOX			1			
	RAYCHEM WINTERGUARD	H612250		1			
	HEAT TAPE						
	2707 MANUAL GATE VALVE	4150		4			SIZE AS PER PLAN
	CHAMPION						
	A 2705 AIR RELEASE VALVE-- CRISPIN	A5		2			
	① MANUAL DRAIN--MATCO	515705		3			
	2703 CONTROL VALVE--RAINBIRD	PEB SERIES		16			SIZE AS PER PLAN
	2709-A CONTROL VALVE--RAINBIRD	PEB SERIES		2			SIZE AS PER PLAN
	DRIP IRRIGATION ZONES						
	F / 7 INLINE PRESSURE REGULATOR--	PSI-L30X		2			
	"Y" FILTER--CMB	3131		2			
	P 2709-A "Y" FILTER--CMB						SIZE AS PER LATERAL
	INSTALL WITH DRIP ZONES						LINE SIZE
	E / 7 MULTI OUTLET EMITTER	XB-10-6		198		15-50	1 GPH EACH LATERAL
	RAINBIRD	XER1-BUG					6 GPH MAXIMUM
	EMITTER BOX--	SEB-6X					SEE EMITTER SCHEDULE
	RAINBIRD						
	FLOOD BUBBLER	1402				50	PRESSURE COMPENSATING
	2709 GEAR DRIVEN ROTORS--	I-20-ADV-03	1.2	28	.14	50	
	HUNTER						
	2709 GEAR DRIVEN ROTORS--	I-20-ADV-05	2.0	49	.22	50	
	HUNTER						
	2709 GEAR DRIVEN ROTORS--	I-20-ADV-03	1.2	12	.14	50	
	HUNTER						
	2709 POP-UP SPRINKLER	PGM-06-A-SJV	.61	5	.68	40	20'-24' O
	HUNTER						
	2709 POP-UP SPRINKLER	PGM-06-A-SJV	1.23	8	.68	40	20'-24' H
	HUNTER						
	2709 POP-UP SPRINKLER	PGM-06-A-SJV	2.45	2	.68	40	20'-24' F
	HUNTER						
	LATERAL	SCH 40 PVC					
	MAINLINE	SCH 40 PVC					
	SLEEVE	SCH 40 PVC					
	DRINKING FOUNTAIN						

* DETAIL NUMBER SPECIFIES CITY OF ALBUQUERQUE STANDARD DRAWING NUMBER.

SUPPLEMENTAL IRRIGATION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND COST OF THE METER AND UTILITY EXPOSURE FEES, INCLUDING UTILITY COORDINATION AND PERMITS.
- THE IRRIGATION PLAN AS SHOWN IS SCHEMATIC. LINES ARE SHOWN IN STREET OR SIDEWALKS FOR CLARITY ONLY. CONTRACTOR SHALL FIELD VERIFY ACTUAL LOCATIONS OF EXISTING EQUIPMENT BEFORE INITIATION OF CONSTRUCTION PROCEDURES.
- AIR RELEASE VALVES SHALL BE FIELD LOCATED AND INSTALLED AT ALL HIGH POINTS OF MAINLINE (TYPICAL). LOCATION SHOWN ON PLAN MAY NEED ADJUSTMENT.
- MANUAL DRAINS SHALL BE INSTALLED ON THE END POINT OR LOW POINTS IN THE MAINLINE (TYPICAL). LOCATION SHOWN ON PLAN MAY NEED ADJUSTMENT.
- MULTI OUTLET EMITTERS SHALL BE INSTALLED IN RANBIRD SUBTERRANEAN BOXES, MODEL #SEB-6X.
- AN EMITTER SCHEDULE HAS BEEN INCLUDED ON THIS SHEET TO SPECIFY FLOWS NECESSARY FOR THE DRIP SYSTEM.
- EXISTING IRRIGATION LINES IN THE PARK SHALL BE ABANDONED IN PLACE. EXISTING IRRIGATION LINES INSTALLED AT SLEEPING BENEATH PALOMAS PARK AVE. SHALL BE REMOVED AND DISPOSED OF.
- CONTRACTOR SHALL COORDINATE SPECIFIED CHANGES TO BE MADE TO THE EXISTING IRRIGATION SYSTEM AT THE CHURCH OF THE RISEN SAVIOR WITH CHURCH STAFF. ALL WORK TO BE PERFORMED ON THE CHURCH SITE SHALL BE THE RESPONSIBILITY OF THE CHURCH.
- EXISTING PIPES UNDER PALOMAS PARK AVENUE SHALL BE REPAIRED AS NEEDED REJOIN SECTIONS BENEATH THE MEDIUM.
- AIR BUBBLERS AND EMITTERS SHALL BE LOCATED ON THE UPHILL SIDE OF THE PLANT, TYPICAL.
- ALL VALVE BOXES SHALL BE LOCATED SUCH THAT THEY ARE ACCESSIBLE WITHOUT CAUSING DAMAGE TO SURROUNDING PLANT MATERIAL.

UTILITY NOTES

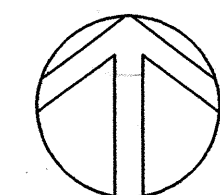
1. CONTRACTOR SHALL COORDINATE WITH CITY OF ALBUQUERQUE CUSTOMER SERVICES, PUBLIC WORKS DEPT. WATER UTILITY DIVISION 258-2800 FOR THE TAP TO 12" PUBLIC WATER LINE.
2. 1 1/2" WATER METER PIT INCLUDING ALL INTERIOR PIPING FOR INSTALLATION OF 1 1/2" METER BY CITY CUSTOMER SERVICES CREWS IS EXISTING. CONTRACTOR SHALL COORDINATE INSTALLATION AND BE RESPONSIBLE FOR ALL FEES INCLUDING UEC CHARGES.
3. ELECTRICAL POWER FOR THE IRRIGATION CONTROLLER SHALL BE

EMITTER SCHEDULE

MULTI-OUTLET EMITTER		DISTRIBUTION
XBT-10-6	1 GPH EACH	ONE EMITTER PER GROUND COVER
	1 GPH EACH	TWO EMITTERS PER SHRUB

OVERALL VALVE LEGEND

VALVE/ STATION NO.	SIZE	GPM	EQUIPMENT
V-1	1"	14.3	DRIP
V-2	"	37.0	1402
V-3	"	3.0	1402
V-4	1"	19.2	—
V-5	"	10.8	—
V-6	"	13.2	—
V-7	"	8.4	—
V-8	"	17.79	PGM
V-9	"	7.2	—
V-10	1"	5.0	1402
V-11	"	14.4	—
V-12	"	4.3	—
V-13	1"	4.0	1402
V-14	"	22.4	—
V-15	1"	4.5	1402
V-16	"	16.4	—
V-17	1"	3.5	1402
V-18	"	4.0	1402
V-19	1"	10.8	—
V-20	"	15.2	DRIP
V-21	1"	4.5	—
V-24	1 1/2"		MASTERVOLUME



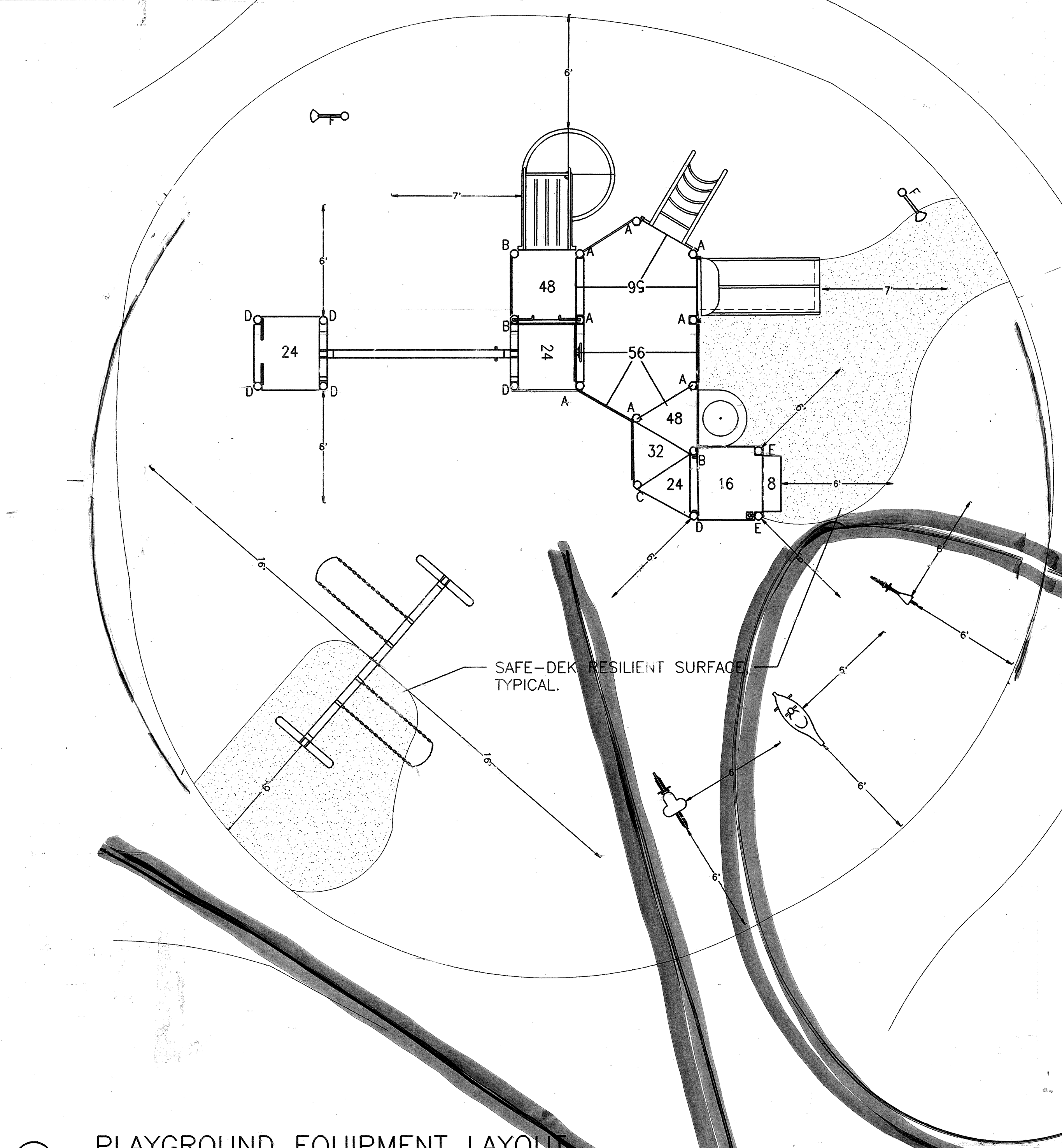
NORTH



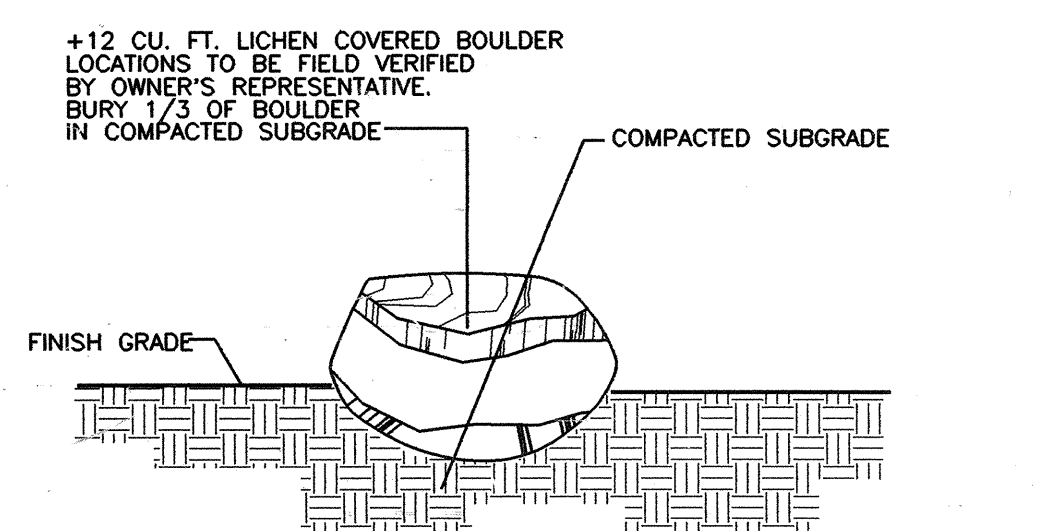
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RANCHO DE PALOMAS PROJECT
IRRIGATION PLAN

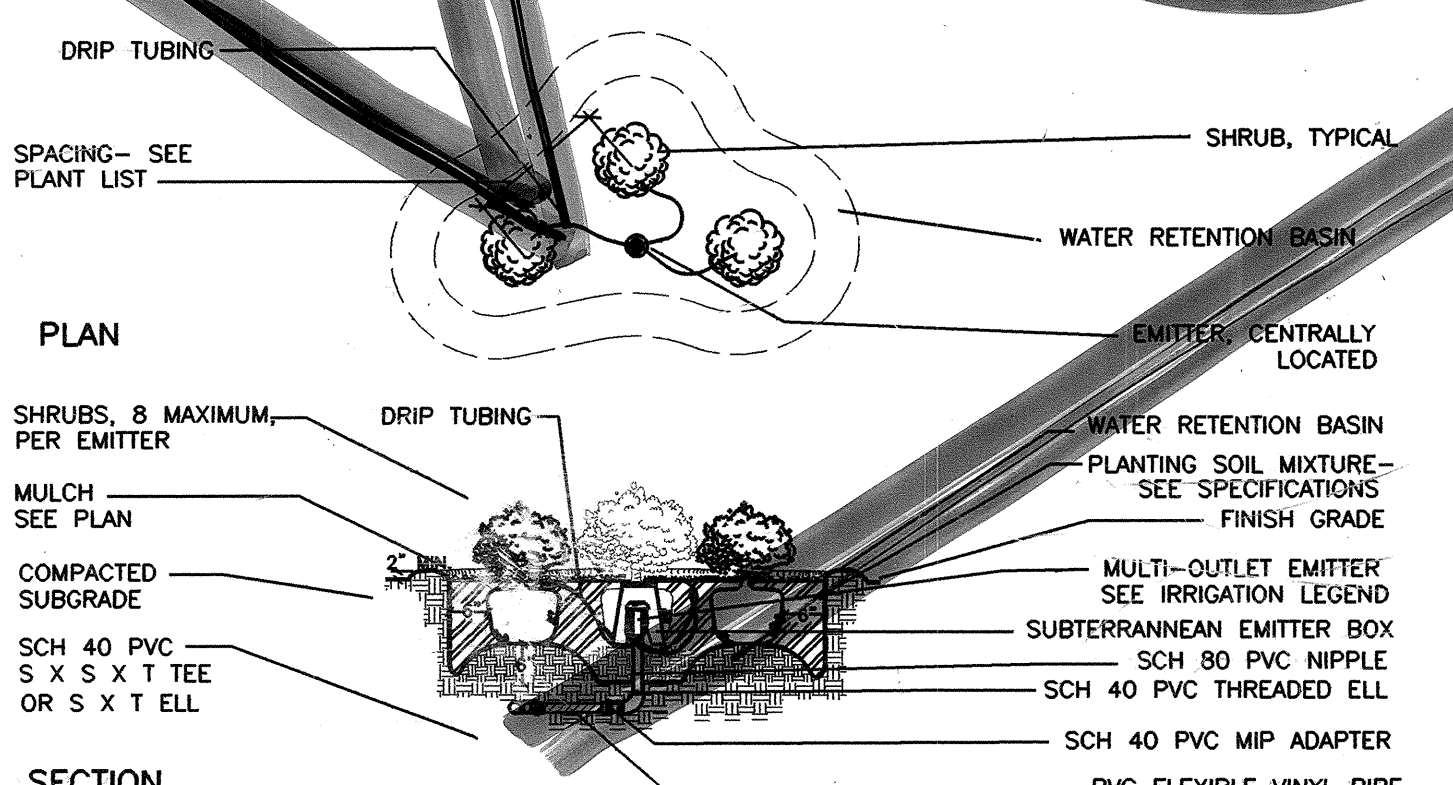
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					
PARKS					
DRAWING NO.	4847.90		MAP NO. D-19-Z	SHEET 6	OF 7



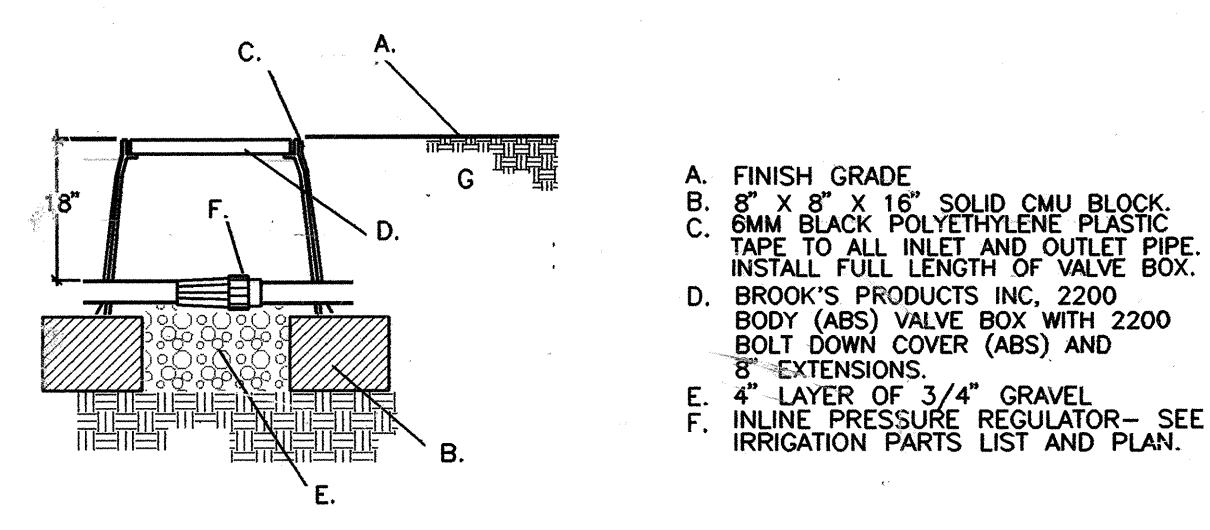
(A) **PLAYGROUND EQUIPMENT LAYOUT**



(D) **BOULDER INSTALLATION**
NOT TO SCALE



(E) **MULTI-OUTLET EMITTER**
NOT TO SCALE



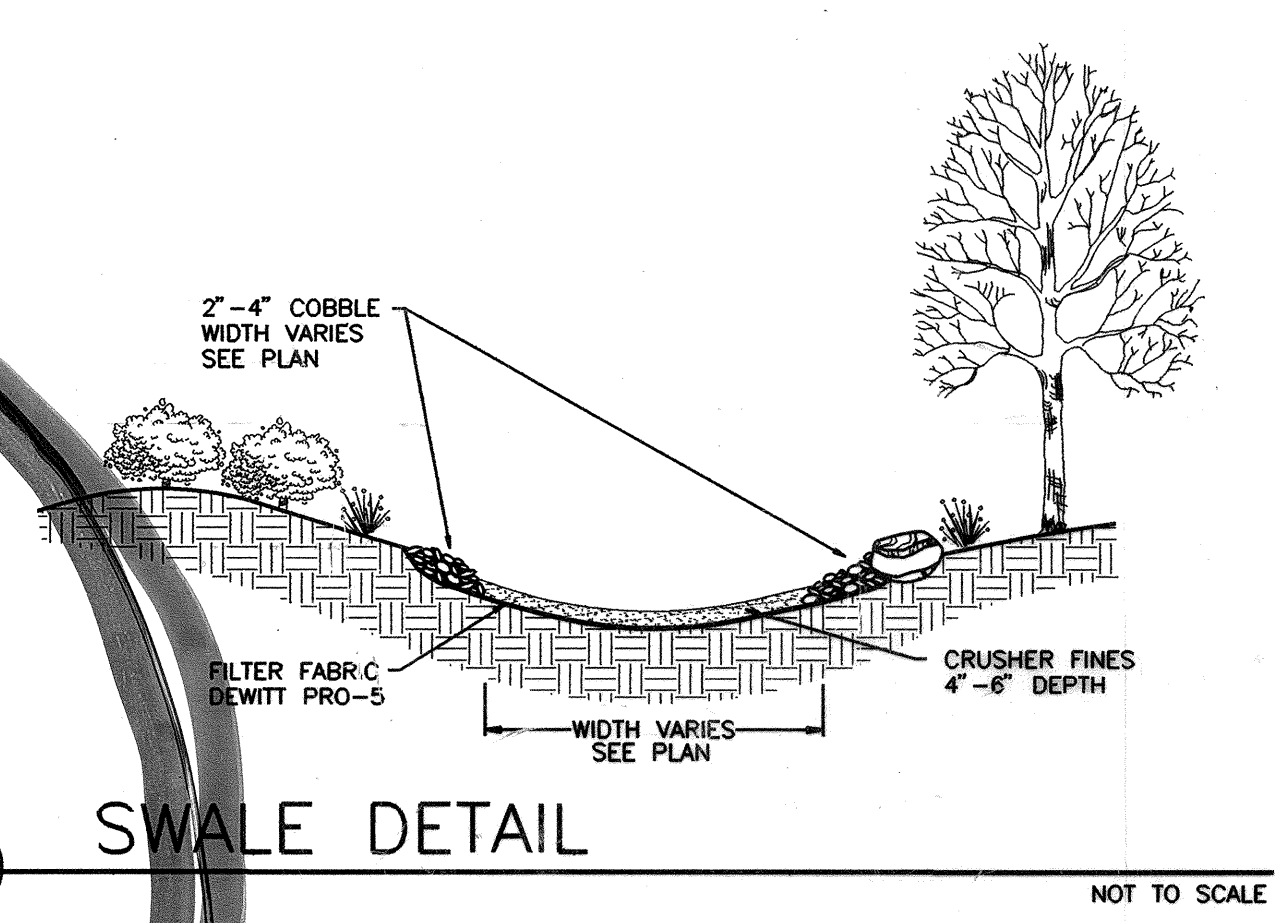
(F) **INLINE PRESSURE REGULATOR**
NOT TO SCALE

PLAY STRUCTURE PARTS LIST

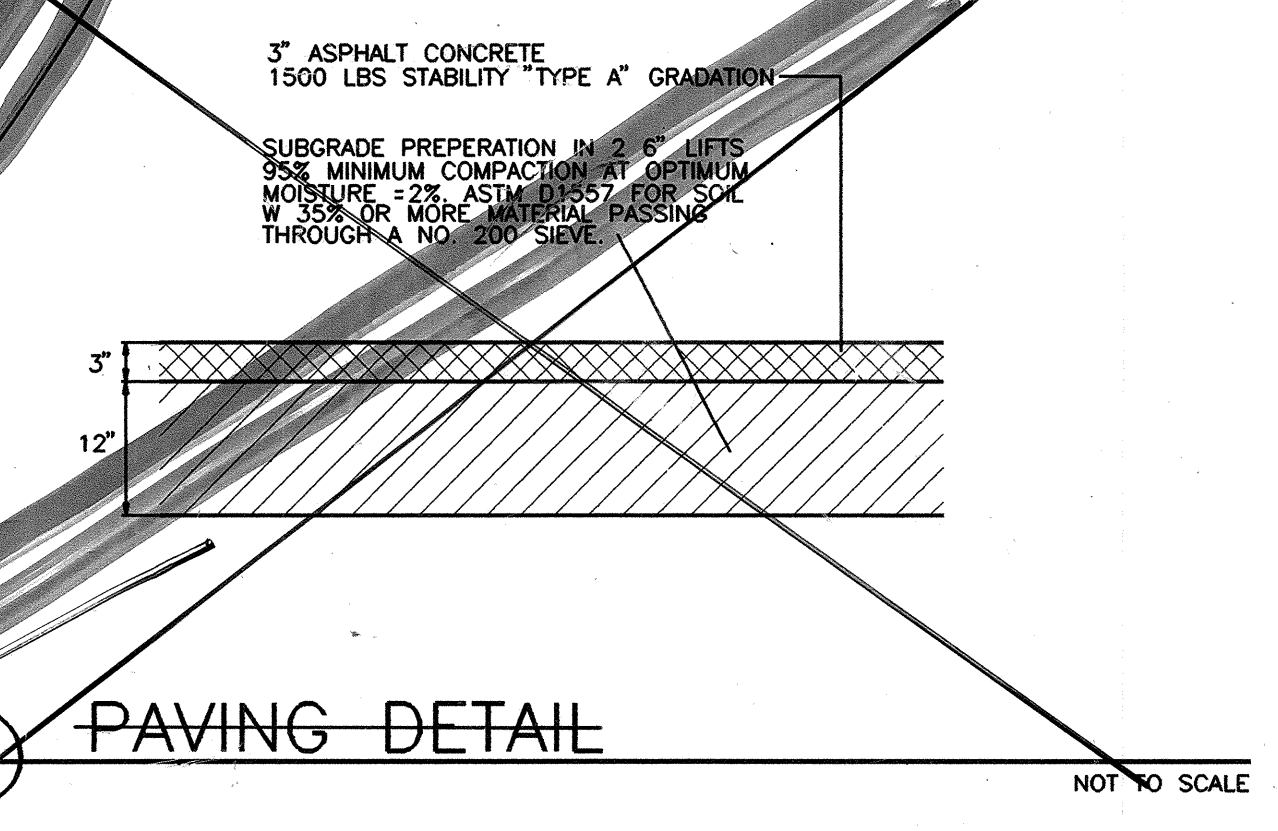
QTY	MODEL NO.	DESCRIPTION	COLOR
ALUMINUM POSTS			
8	266-21581	132" ROOF POST, 56" DECK	TAN
3	266-21240	124" POST, 48" DECK	
1	266-21080	108" POST, 32" DECK	
2	266-21000	100" POST, 24" DECK	
2	266-20920	88" POST, 16" DECK	
DECKS			
4	807-99354	SQUARE TENDERDECK	
3	807-99360	TRIANGULAR TENDERDECK	
1	807-99364	HEXAGON TENDERDECK	
1	807-99368	HEX DECK EXTENSION	
3	807-99240	KICK PLATE FOR 8" RISE	
1	807-99292	TRANSFER STEP	
1	807-99293	TRANSFER HANDBAR	
ENCLOSURES			
5	803-10711	PIPE BARRIER	RED
2	803-10704	PIPE GUARDRAIL	
1	803-99250	HANDLOOP ASSEMBLY	YELLOW
ACTIVITY PANELS			
1	803-20080	DRIVER ACTIVITY PANEL	
1	803-20070	FINGER MAZE ACTIVITY PANEL	
1	803-20150	SAND & WATER ACTIVITY PNL.	
SLIDES			
1	805-02540	DOUBLE POLY SLIDE 40" - 48"	RED
1	805-75156	SINGLE SLIDE 56" DECK	
ATTACHMENTS/CONNECTORS			
1	803-14624	PANEL VERTICAL LADDER 24" RISE	RED
1	895-01810	2" HORIZONTAL LADDER SUPPORT	
1	808-71421	TRACK LADDER SUPPORT	
1	806-63556	LOOP ARM 56" DECK	
INDEPENDENT PLAY EQUIPMENT			
1	808-5250	TALK TUBES AND POSTS	YELLOW
1	843-4020	DOLPHIN SPRING RIDER	
1	843-8423	CAR SPRING RIDER	
1	843-8424	MOTORCYCLE SPRING RIDER	

808-202 1/2 ARCH BELT SWING
WITH ONE BELT SEAT/ONE BUCKET SEAT
ALL TENDER TUFF COATED PARTS SHALL BE RED IN COLOR
EXCEPT:

- PLAYGROUND INSTALLATION NOTES**
- 1) PLAYGROUND EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. DIMENSIONS GIVEN INDICATE MINIMUM CLEARANCES.
 - 2) EQUIPMENT SHALL BE FLAGGED OFF DAILY, AND TEMPORARY SIGNAGE POSTED PROHIBITING USE OF EQUIPMENT UNTIL INSTALLATION OF GROUND SURFACE TREATMENTS AND EQUIPMENT IS COMPLETED.
 - 3) INSTALL 2" POURED IN PLACE "SAFE-DEK" RESILIENT SURFACE, OR APPROVED EQUAL, ON 4" CONCRETE BASE COURSE, AS PER MANUFACTURER'S SPECIFICATIONS. COLOR SHALL BE TAN-BLACK. REFER NOTE NO. 5 FOR 2" DEK SURFACE THICKNESS.
 - 4) NUMBERS ON DECKS INDICATE HEIGHT OF DECK. LETTERS AT POST LOCATIONS INDICATE LENGTH OF POSTS. REFERENCE MANUFACTURER'S INSTALLATION SPECIFICATIONS.
 - 5) THICKNESS OF SAFE DEK SURFACE AT SWING AREA SHALL BE 2", BASED ON A SWING WEIGHT OF 80 FT.
- THICKNESS OF SAFE DEK SURFACE AT TRANSFER DECK SHALL BE 1", BASED ON A DECK HEIGHT OF 10".



(B) **SWALE DETAIL**
NOT TO SCALE



(C) **PAVING DETAIL**
NOT TO SCALE

AS BUILT INFORMATION			BENCH MARK			SURVEY INFORMATION			PROFESSIONAL SEAL		
CONTRACTOR	DATE:		NO.	DATE:		NO.	DATE:		NO.	DATE:	
WORK STATED BY	DATE:		INSPECTOR'S APPROVAL	DATE:		DESIGNED BY: KCP/GR	DATE:	8/93	DRAWN BY: PA	DATE:	8/93
INSPECTOR'S APPROVAL	DATE:		FIELD VERIFICATION BY	DATE:		CHECKED BY: GR	DATE:	8/93			
DRAWING CORRECTED BY	DATE:		MICRO-FILM INFORMATION	DATE:							
RECORDED BY	DATE:										

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RANCHO DE PALOMAS PARK CONSTRUCTION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. J. Kano</i>	5-18-94	WATER	<i>R. J. Kano</i>	5-18-94
TRANSPORTATION	<i>R. J. Kano</i>	5-18-94	WASTE WATER	<i>R. J. Kano</i>	5-18-94
HYDROLOGY	<i>D. Smith</i>	5-11-94			
PARKS					
DRAWING NO.	4847.90		MAP NO.	D-19-Z	
			SHEET	7	OF 7