

VICINITY MAP ZONE ATLAS NO. L-19-Z

Class II Construction PHIL CHACON PARK SOCCER FIELD Kathryn Ave. S.E. (address to be determined) for the CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DEPARTMENT Job No. 4876.93

by

Edith Cherry / D. James See Architects

with

Johns, ASLA

SUBSTITUTIONS: TO OBTAIN APPROVAL TO USE UNSPECIFIED PRODUCTS, BIDDERS SHALL SUBMIT A WRITTEN REQUEST AT LEAST SEVEN (7) DAYS BEFORE THE BID OPENING TO THE PROJECT ARCHITECT SUPPLYING ALL REQUIRED INFORMATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPOSED CONTRACT DOCUMENTS. REQUESTS RECEIVED AFTER THIS TIME WILL NOT BE CONSIDERED. REFER TO PRODUCT FOR WHICH SUBSTITUTION IS REQUESTED. REQUESTS SHALL CLEARLY DESCRIBE THE PRODUCT FOR WHICH APPROVAL IS ASKED, INCLUDING ALL DATA NECESSARY TO DEMONSTRATE ACCEPTABILITY. INCOMPLETE REQUESTS WILL NOT BE CONSIDERED. IF THE PROPOSED SUBSTITUTION IS ACCEPTABLE TO THE OWNER, THE ARCHITECT SHALL CONFIRM SUCH ACCEPTANCE IN A WRITTEN ADDENDUM.

- INDEX OF SHEETS
1. COVER WITH VICINITY MAP
 2. SOCCER FIELD GRADING PLAN
 3. DIMENSIONED SITE PLAN
 4. PLANTING PLAN
 5. IRRIGATION PLAN
 6. SCHEDULES & DETAILS

- VICINITY MAP ZONE ATLAS NO. L-19-Z
- ## NOTICE TO CONTRACTORS
1. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with City of Albuquerque Standard Specifications; Public Works Construction - 1986 Edition, as amended through UPDATE #6.
 2. Two (2) working days prior to any excavation, contractor must contact Line Locating Service, 260-1990 for location of existing utilities.
 3. Prior to construction, the contractor shall verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with a minimum amount of delay.
- THE FOLLOWING 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 driveway or ramp, it shall be constructed prior to acceptance of the curb and gutter.
 - ☐ All storm drainage facilities shall be completed prior to final acceptance.

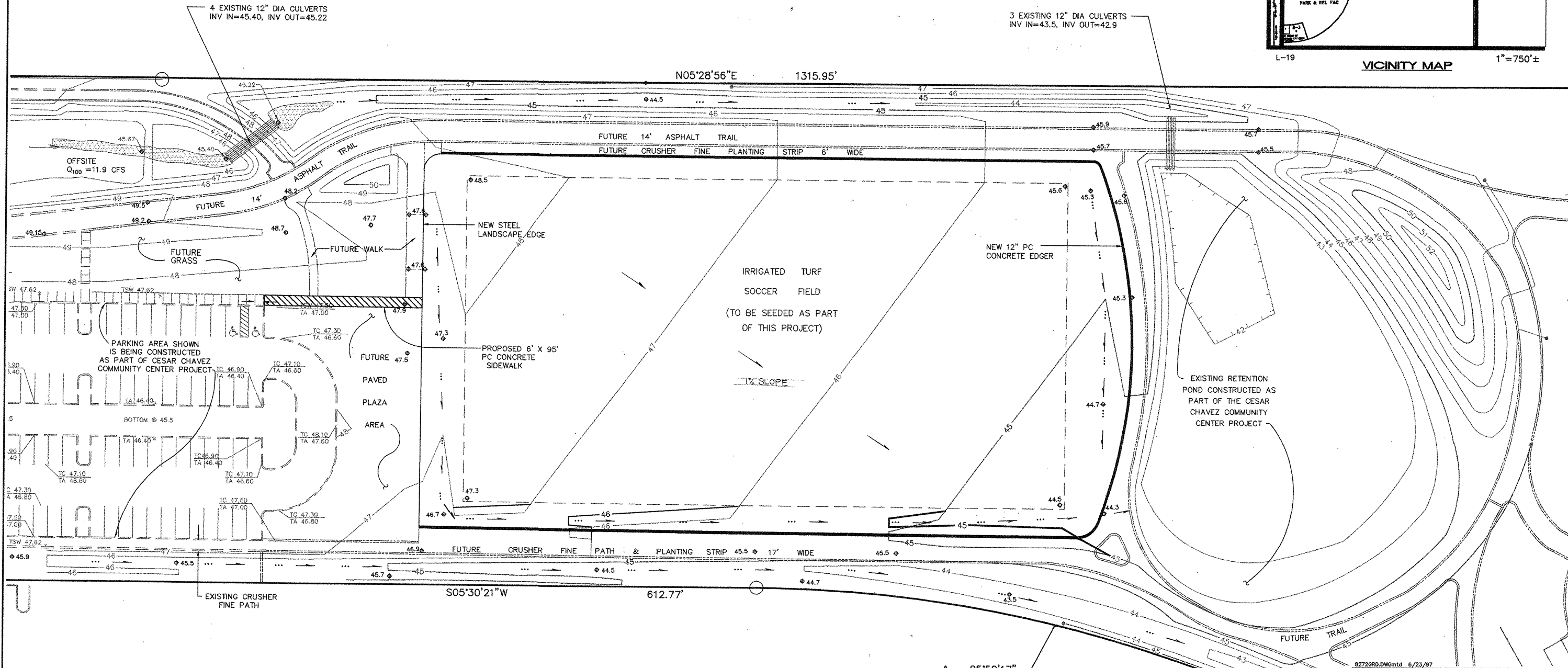
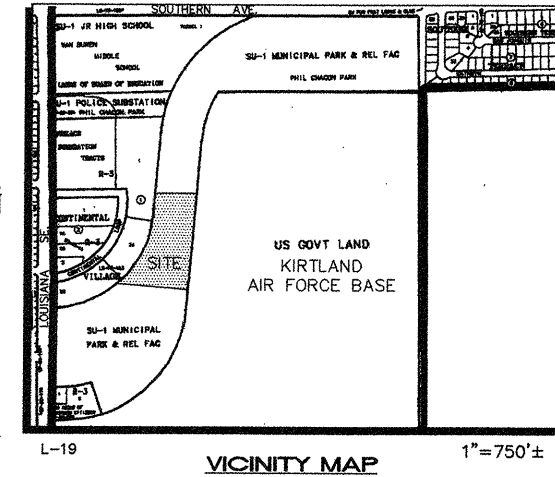
100% SUBMITTAL

<p>Edith Cherry D. James See Architects</p>			
<p>100% SUBMITTAL</p>			
REV.	SHEETS	CITY ENGINEER	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER
		<p>DRC Chairman: <i>Billy J. Galt</i> 8/20/97</p> <p>Transportation: <i>N.A. K.</i> 8/4/97</p> <p>Water/Wastewater: <i>L.M. G.</i> 8/5/97</p> <p>Hydrology: <i>J.B. S.</i> 8/5/97</p> <p>CIP: _____</p> <p>Const. Mngmt.: <i>David L. Cote</i> 4/5/97</p> <p>City Project No. 4876.93</p>	<p>APPROVED FOR CONSTRUCTION</p> <p>City Engineer _____ Date _____</p> <p>Sheet 1 of 6</p>

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- FLOW ARROW
- FUTURE TRAIL LINE

SCALE: 1"= 30'



DRAINAGE MANAGEMENT PLAN

THE EXISTING UNDEVELOPED PARK AREA SHOWN WAS APPROVED FOR GRADING AS PART OF THE CESAR CHAVEZ COMMUNITY PROJECT. GRADING INCLUDED THE SOCCER FIELD AREA, THE FUTURE PLAZA AND TRAILS, THE SWALES EAST AND WEST OF THE SOCCER FIELD, AND THE RETENTION POND LOCATED SOUTH OF THE SOCCER FIELD.

THIS PHASE OF THE PHIL CHACON PARK INCLUDES THE SEEDING FOR THE SOCCER FIELD. HARD SURFACING PROPOSED AT THIS TIME INCLUDES ONLY THE CONCRETE EDGER AROUND THE FIELD AND THE 6' X 95' (570 SF) SIDEWALK SHOWN BETWEEN THE SOCCER FIELD AND THE PAVED PARKING LOT WHICH WAS BUILT AS PART OF THE CESAR CHAVEZ COMMUNITY CENTER PROJECT. NO CHANGE IS EXPECTED TO THE CALCULATED RUNOFF RATES BY THE SEEDING OF THE SOCCER FIELD. HYDROLOGIC CALCULATIONS ACCOUNT FOR THE IMPERVIOUS PARKING, ASPHALT TRAIL, PLAZA AREAS, THE GRAVELLED SWALE AREAS, & THE CRUSHER FINE PATH LOCATED SOUTH & WEST OF THE SOCCER FIELD.

THE MASTER DRAINAGE PLAN FOR PHIL CHACON PARK INCORPORATES PROPOSED DETENTION PONDS BOTH TO CONTROL THE RUNOFF RATE AND TO MAXIMIZE THE BENEFIT OF PRECIPITATION IN THE PARK AREA. THIS CONCEPT IS CONTINUED AS ADDITIONAL SHALLOW SWALE AREAS ARE PROPOSED EAST AND WEST OF THE SOCCER FIELD TO CARRY FLOW TO A DEPRESSED "MEADOW" AREA. THIS PROPOSED "MEADOW" WILL COMBINE BERMS AND A LARGE SHALLOW DEPRESSION TO CONTAIN RUNOFF WITHIN THIS AREA.

THE MULTIPLE PROPOSED DETENTION/RETENTION AREAS WILL PROVIDE ADEQUATE STORAGE VOLUME ONSITE AND REDUCE THE DISCHARGE TO LOUISIANA BLVD TO AN AMOUNT LESS THAN THE UNDEVELOPED RUNOFF RATE.

PROPOSED LAND TREATMENT: 0% A 38% B 45% C 17% D
 $Q_{100} = (2.4)(2.60) + (2.8)(3.45) + (1.1)(5.02) = 21.4$ CFS
 $V_{100} = (2.4)(.077) + (2.8)(.108) + (1.1)(.197) = 0.704$ AC-FT

THE INCREASED ONSITE RUNOFF VOLUME OF $0.704 - 0.347 = 0.357$ AC-FT, ALONG WITH THE OFFSITE VOLUME (BASIN C-1 VOLUME = 50,760 CF = 1.185 AC-FT FROM 10/27/96 JEFF MORTENSEN DRAINAGE PLAN) WILL BE STORED ONSITE IN THE PROPOSED "MEADOW" DEPRESSION. TOTAL STORAGE VOLUME REQUIRED IS THEN $0.357 + 1.185 = 1.522$ AC-FT, WHICH CORRESPONDS TO A WATER SURFACE ELEVATION OF 5344.6.

GENERAL NOTES

SITE AREA: 6.3 ACRES (LIMITS OF GRADING)

LEGAL DESCRIPTION: A PORTION OF THE "FEDERAL AID LOOP" DEEDED TO THE CITY OF ALBUQUERQUE BY THE FEDERAL GOVERNMENT FOR MUNICIPAL PARK USE.

SURVEY: BOTH THE TOPOGRAPHIC AND BOUNDARY DATA SHOWN WERE PROVIDED BY THE CITY OF ALBUQUERQUE AND PREPARED BY DMJM, DATED SEPTEMBER 1985.

BENCHMARK: ACS ALUMINUM CAP "2-L19" SET IN THE TOP OF THE SSE CURB RETURN AT THE INTERSECTION OF LOUISIANA BLVD. SE AND CONTINENTAL LOOP SE. ELEVATION = 5337.09

FLOOD HAZARD STATEMENT: PANELS 354 & 362 OF THE FEMA FLOOD MAPS SHOW THIS SITE WITHIN ZONE X WHICH IS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

SOILS: PANEL 31 OF THE SCS SOIL SURVEY OF BERNALILLO COUNTY INDICATES SITE SOILS ARE WINK-EMBUDO, MADUREZ-WINK, EMBUDO-TIJERAS, AND TIJERAS SOILS ALL OF WHICH ARE FINE SANDY AND GRAVELLY FINE SANDY LOAMS CLASSIFIED AS HYDROLOGIC GROUP "B" SOILS.

OFFSITE FLOWS: OFFSITE FLOWS ENTER THE SITE FROM THE DEVELOPED PORTION OF PHIL CHACON PARK LOCATED SOUTH OF SOUTHERN BLVD. THIS OFFSITE FLOW ($Q_{100} = 41.5$ CFS) IS ACCEPTED BY THE PROPOSED COMMUNITY CENTER WHERE IT IS ROUTED THROUGH A SERIES OF LINEAR DETENTION PONDS ALONG THE PARK'S EASTERN BOUNDARY. THE 10-27-96 JEFF MORTENSEN DRAINAGE PLAN INDICATES A CONTROLLED RELEASE RATE OF $Q_{100} = 11.9$ CFS DISCHARGING FROM THESE DETENTION PONDS. THIS SITE WILL THEN ACCEPT $Q = 11.9$ CFS AS OFFSITE FLOW FROM THE CESAR CHAVEZ COMMUNITY CENTER TO THE NORTH. THIS FLOW IS ROUTED ALONG THE EAST SIDE OF THE PARK TO THE WATER HARVESTING AREA SHOWN SOUTH OF THE SOCCER FIELD.

AS BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		ENGINEER'S STAMP		REVISIONS/REMARKS		DESIGNED BY: SMM		DATE: 6/97		DRAWN BY: MTD		DATE: 6/97		CHECKED BY: SMM		DATE: 6/97	
CONTRACTOR	DATE:	CITY OF ALBUQUERQUE	BRASS CAP 7-L18, LOCATED IN THE SIDEWALK AT THE SOUTHWEST QUADRANT OF THE INTERSECTION OF LOUISIANA BLVD SE AND KATHRYN AVENUE SE. ELEVATION = 5335.04 FEET (M.S.L.D.)	NO.	BY	DATE	NO.	DATE	REMARKS	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
WORK STATED BY	DATE:																				
INSPECTOR'S APPROVAL	DATE:																				
FIELD VERIFICATION BY	DATE:																				
DRAWING CORRECTED BY	DATE:																				
MICRO-FILM INFORMATION	DATE:																				
RECORDED BY	DATE:																				
NO.																					

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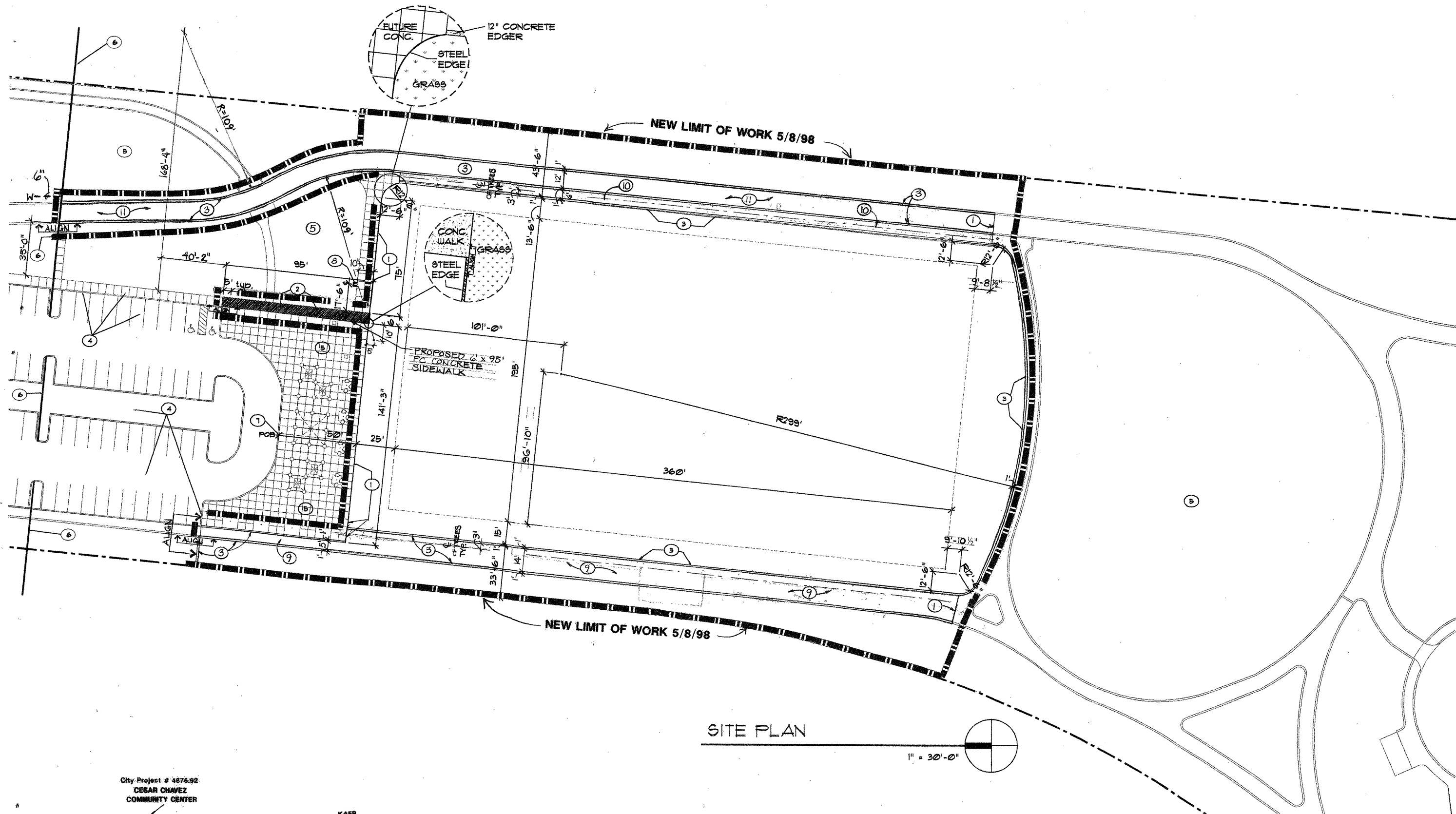
Architects

220 A. Cold SW Albuquerque, New Mexico, 87102 505 842 1278

CITY OF ALBUQUERQUE
C.I.P.

TITLE: PHIL CHACON PARK SOCCER FIELD
GRADING PLAN

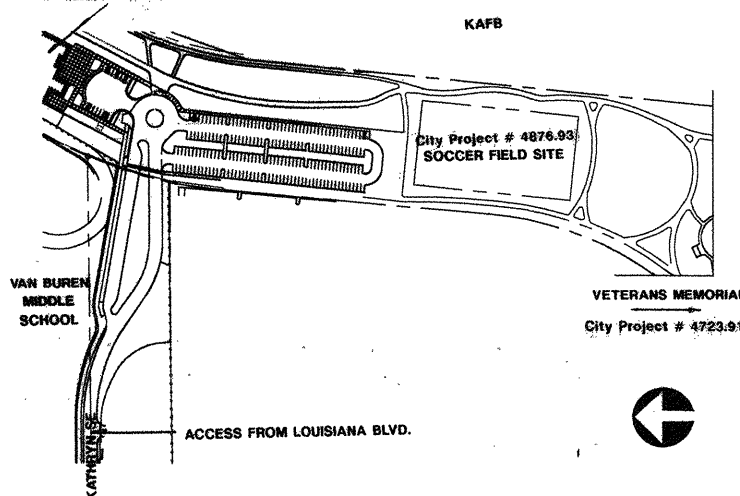
Design Review Committee	City Engineer Approval	DATE: 7/1/97	DATE: 7/1/97
APPROVE			
DESIGN REVIEW COMMITTEE			
City Project No. 4876.93	Zone Map No. L-19-Z	Sheet 2	Of 6



SITE PLAN

1" = 30'-0"

City Project # 4876.92
CESAR CHAVEZ
COMMUNITY CENTER



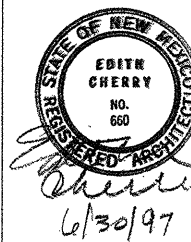
- 5/8/98
9. 4" DEPTH STABILIZED GREY CRUSHER FINES PATH / MULCH. (NO WEED BARRIER FABRIC REQUIRED) SEE DETAIL 4 SHT. 6.
 10. 4" DEPTH GREY CRUSHER FINES. (NO WEED BARRIER FABRIC REQUIRED) SEE DETAIL 4 SHT. 6.
 11. ASPHALT PATH, SEE DETAIL 5 SHT. 6.

KEYED NOTES

1. TEMPORARY STEEL EDGE, SEE DETAIL 1, SHEET 6.
2. CONCRETE PAVEMENT AS PER CITY STANDARD DTL. 2122.
3. 12" WIDE CONCRETE EDGER, SEE DETAIL 2, SHEET 6.
4. PARKING LOT GRADING, PAVING, CURB & GUTTER AND SIDEWALK, PART OF CESAR CHAVEZ COMMUNITY CENTER PROJECT.
5. FUTURE WORK NOT IN CONTRACT.
6. LIMIT OF CESAR CHAVEZ COMMUNITY CENTER PLANTING & IRRIGATION.
7. FOR POINT OF BEGINNING, CONTRACTOR MUST COORDINATE WITH CESAR CHAVEZ COMMUNITY CENTER PROJECT CONTRACTOR/SURVEYOR. THE POINT OF BEGINNING IS INTENDED TO BE THE INSIDE EDGE OF CURB. FIELD VERIFY ACTUAL LOCATION.
8. 32" X 32" X 6" CONCRETE BASE FOR IRRIG. CONTROLLER.

PHASE I WORK WILL INCLUDE SEEDING AND IRRIGATION OF THE SOCCER FIELD AND A 1'-0" WIDE CONCRETE EDGER AROUND PART OF THE SOCCER FIELD AND A TEMPORARY STEEL EDGE ALONG THE NORTH EDGE. ALL OTHER WORK SHOWN WILL BE DONE IN FUTURE PHASES.

5/8/98: ADDITIONAL PHASE I WORK INCLUDES TREES, IRRIGATION, SLEEVING, NATIVE SEEDING, FINES, ASPHALT, AND ADDITIONAL EDGING AS INDICATED



Edith Cherry
D. James See

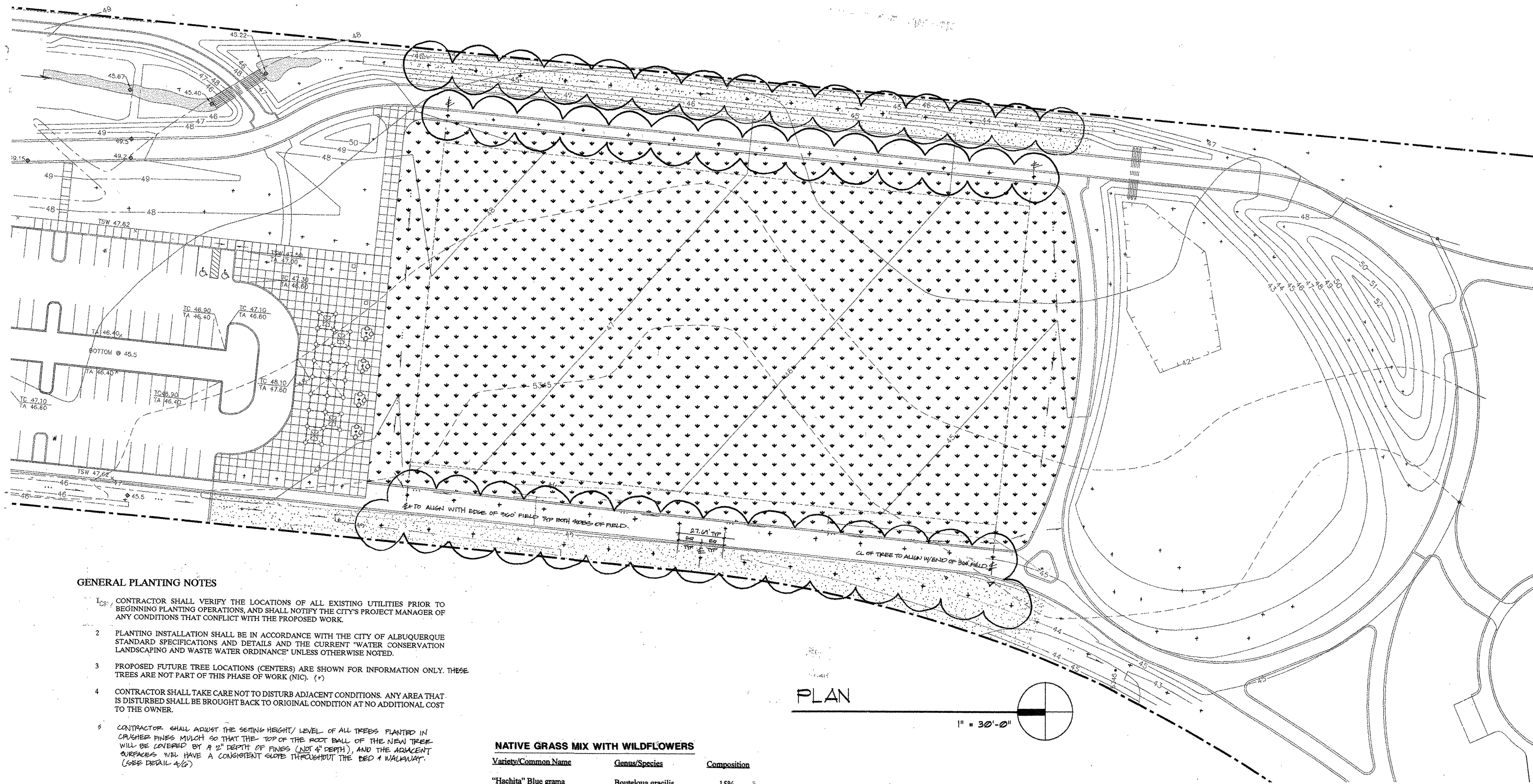
Architects

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CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: **PHIL CHACON PARK SOCCER FIELD
DIMENSIONED SITE PLAN**

Design Review Committee APPROVED AUG 20 1997 DESIGN REVIEW COMMITTEE	City Engineer Approval [Signature] 7/1/97	NO/DAY/YR REV. 5/8/98	NO/DAY/YR
City Project No. 4876.93	Zone Map No. L-19-Z	Sheet 3	Of 6






GENERAL PLANTING NOTES

- CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING PLANTING OPERATIONS, AND SHALL NOTIFY THE CITY'S PROJECT MANAGER OF ANY CONDITIONS THAT CONFLICT WITH THE PROPOSED WORK.
- PLANTING INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS AND DETAILS AND THE CURRENT "WATER CONSERVATION LANDSCAPING AND WASTE WATER ORDINANCE" UNLESS OTHERWISE NOTED.
- PROPOSED FUTURE TREE LOCATIONS (CENTERS) ARE SHOWN FOR INFORMATION ONLY. THESE TREES ARE NOT PART OF THIS PHASE OF WORK (NIC). (1)
- CONTRACTOR SHALL TAKE CARE NOT TO DISTURB ADJACENT CONDITIONS. ANY AREA THAT IS DISTURBED SHALL BE BROUGHT BACK TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL ADJUST THE SETTING HEIGHT/ LEVEL OF ALL TREES PLANTED IN CRUSHER FINES MULCH SO THAT THE TOP OF THE ROOT BALL OF THE NEW TREE WILL BE COVERED BY A 1" DEPTH OF FINES (NOT 4" DEPTH), AND THE ADJACENT SURFACES WILL HAVE A CONSISTENT SLOPE THROUGHOUT THE BED & WALKWAY. (SEE DETAIL 4/G)

KEY

- PROPOSED FUTURE TREE LOCATION - SEE GENERAL PLANTING NOTE 3.
- PROPOSED TREE
- PROPOSED TURF GRASS - SEEDED
- PROPOSED NATIVE GRASS - SEEDED

PLANTING SCHEDULE

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MATURE SIZE	WATER REQUIREMENTS	NOTES	DETAIL
	58	PLATANUS ACERIFOLIA	LONDON PLANE TREE	2 1/2" CAL	60' HT	H	SIMILAR IN FORM 2-16PM BUBBLE/TREE	2714, 2716 AND 4/6
<div> Native Grass</div>	21,700 SF	SANTA FE TRAIL MIX AS AVAILABLE FROM CURTIS & CURTIS INC. 762-4754. SEE MIX. MIX DESCRIPTION & RATIO ON THIS SHEET			SEEDED		RATE 1.5 lbs./1000SF	
SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	NOTES				
<div> Turf Grass</div>	101,000 Sq. Ft.	Festuca Lolium perenne Poa pretensis	Falcon Fescue, Pennfine Perennial Rye & Adelphi Blue Grass	1:1:1 ratio by weight 250 lbs. PLS per acre				

NATIVE GRASS MIX WITH WILDFLOWERS

Variety/Common Name	Genus/Species	Composition
"Hachita" Blue grama	Bouteloua gracilis	15%
Indian Rice grass	Oryzopsis hymenoides	5.5%
Western Wheat grass	Agropyron Smithii	14%
Sideoats Grama	Bouteloua curtipendula	16%
Galleta	Hilaria jamesii	2%
Spike Muhly	Muhlenbergia wrightii	.5%
"Texoka" Buffalo grass	Buchloe dactyloides	30%
Alkali sacaton	Sporobolus airoides	3%
Sheep Fescue	Festuca ovina	10%
Little Bluestem	Schizachyrium stoloniarum	4%

* Add 1/8 oz. of Mexican Hat Cornflower (Ratibida Columnaris) seed per 2.5 lbs seed mix.

PLAN

1" = 30'-0"

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ADDITIONAL PHASE I WORK INCLUDES TREES, IRRIGATION, SLEEVING, NATIVE SEEDING, FINES, ASPHALT, AND ADDITIONAL EDGING AS INDICATED. 5/8/98



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CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

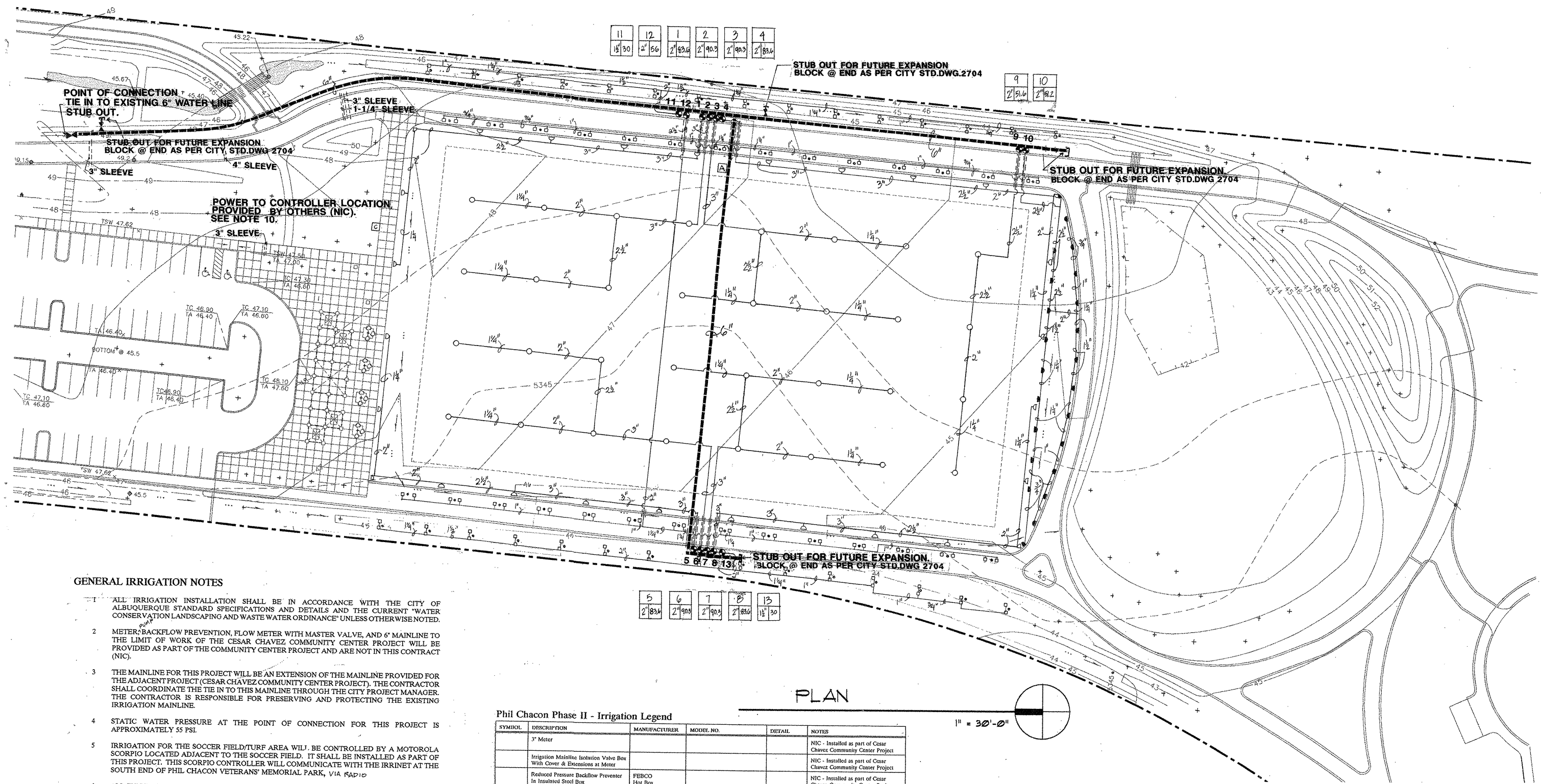
TITLE: PHIL CHACON PARK SOCCER FIELD
PLANTING PLAN

Design Review Committee City Engineer Approval

APPROVED
AUG 20 1997
DESIGN REVIEW COMMITTEE

Last Design Update
7/1/97

City Project No. 4876.93 Zone Map No. L-10-Z Sheet 4 of 6



GENERAL IRRIGATION NOTES

- ALL IRRIGATION INSTALLATION SHALL BE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS AND DETAILS AND THE CURRENT "WATER CONSERVATION LANDSCAPING AND WASTE WATER ORDINANCE" UNLESS OTHERWISE NOTED.
- METER: BACKFLOW PREVENTION, FLOW METER WITH MASTER VALVE, AND 6" MAINLINE TO THE LIMIT OF WORK OF THE CESAR CHAVEZ COMMUNITY CENTER PROJECT WILL BE PROVIDED AS PART OF THE COMMUNITY CENTER PROJECT AND ARE NOT IN THIS CONTRACT (NIC).
- THE MAINLINE FOR THIS PROJECT WILL BE AN EXTENSION OF THE MAINLINE PROVIDED FOR THE ADJACENT PROJECT (CESAR CHAVEZ COMMUNITY CENTER PROJECT). THE CONTRACTOR SHALL COORDINATE THE TIE IN TO THIS MAINLINE THROUGH THE CITY PROJECT MANAGER. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING THE EXISTING IRRIGATION MAINLINE.
- STATIC WATER PRESSURE AT THE POINT OF CONNECTION FOR THIS PROJECT IS APPROXIMATELY 55 PSI.
- IRRIGATION FOR THE SOCCER FIELD/TURF AREA WILL BE CONTROLLED BY A MOTOROLA SCORPIO LOCATED ADJACENT TO THE SOCCER FIELD. IT SHALL BE INSTALLED AS PART OF THIS PROJECT. THIS SCORPIO CONTROLLER WILL COMMUNICATE WITH THE IRRINET AT THE SOUTH END OF PHIL CHACON VETERANS' MEMORIAL PARK, VIA RS485.
- ALL IRRIGATION SYMBOLS ARE ILLUSTRATIVE. ADJUST LOCATIONS IN THE FIELD.
- PROPOSED FUTURE TREE LOCATIONS (CENTERS) ARE SHOWN FOR INFORMATION ONLY. THOSE TREES ARE NOT PART OF THIS PHASE OF WORK (NIC). IRRIGATION LINES, VALVES, AND WIRES SHALL BE LOCATED A MINIMUM OF 6' FROM FUTURE TREE CENTERS.
- PROPOSED FUTURE PATH LOCATIONS ARE SHOWN FOR INFORMATION ONLY. ~~THESE ARE NOT PART OF THIS PHASE OF WORK. (A SINGLE CONCRETE EDGER AROUND THE TURF AREA IS PART OF THIS PHASE OF WORK. SEE SITE PLAN SHEET 3.) FOR CLARIFICATION OF PHASE I VS FUTURE PATHS.~~
- ALL IRRIGATION LINES BENEATH FUTURE PAVING SHALL BE LOCATED WITHIN A PVC CLASS 200 SLEEVE. SLEEVE SIZE TO BE A MINIMUM OF 2 SIZES LARGER THAN IRRIGATION LINE. EXTEND SLEEVE A MINIMUM OF 12" BEYOND EDGE OF PAVING.
- POWER TO THE CONTROLLER WILL BE EXTENDED FROM THE CESAR CHAVEZ COMMUNITY CENTER BY THE CONTRACTOR FOR THE COMMUNITY CENTER PROJECT (NIC). CONTRACTOR FOR THIS PROJECT SHALL EXTEND AND HOOK-UP POWER TO THE SCORPIO CONTROLLER AS REQUIRED. TERMINATIONS & CONTROLLER BY CONTRACTOR AS REQUIRED.
- POWER FROM THE CONTROLLER TO THE FLOW METER SHALL BE PROVIDED BY THE CESAR CHAVEZ COMMUNITY CENTER PROJECT CONTRACTOR (NIC). CONTRACTOR SHALL CONNECT WIRE TO CONTROLLER AS REQUIRED TO ASSURE PROPER WORKING ORDER.

KEY

- + PROPOSED FUTURE TREE LOCATIONS - SEE GENERAL IRRIGATION NOTE # 7.
- TREE CENTERS OF TREES ADJACENT TO FIELD TO BE INSTALLED AS PART OF PHASE I. (58 TREES)

Phil Chacon Phase II - Irrigation Legend

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	DETAIL	NOTES
	3" Meter				NIC - Installed as part of Cesar Chavez Community Center Project
	Irrigation Mainline Isolation Valve Box With Cover & Extensions at Meter				NIC - Installed as part of Cesar Chavez Community Center Project
	Reduced Pressure Backflow Preventer In Insulated Steel Box	FEBCO	Hot Box		NIC - Installed as part of Cesar Chavez Community Center Project
	Booster Pump Reservoir Tank Flow Switch				NIC - Installed as part of Cesar Chavez Community Center Project
	Flow Meter W/Master Valve Box With Locking Cover & Extensions	Bermad Brooks			NIC - Installed as part of Cesar Chavez Community Center Project
	Controller - 16 Station	Motorola MIR 5000 Scorpio	MSS-28-S With Box		See General Irrigation Note # 10.
	Plastic Remote Control Zone Valve With Ball Valve & Box With Locking Cover	Rainbird Spears Brooks	PEB Series W/ Ball Valve 1730B-P28-18	City Std. 2703	Size as indicated on drawings - use red colored wires for zone valves, white for common; lil color - green.
	Air Relief Valve Box With Locking Cover	Crispin Brooks	2" 1730B-P28-18	City Std. 2705	Box color - green.
	Mainline Isolation Valve with Box with Locking Cover and Extensions	Nibco Brooks	P 6196 6" gate valve with 2" sq. operating nut, push-on 1730B-P28-18	City Std. 2707	Sized to match line size; box color - green.
	Gear Driven Rotary Head	TORO	300-25-ADJ 180° 2.33 GPM 300-25-ADJ 90° 1.16 GPM	City Std. 2709	Heads approximately 17.5 - 18.5 o.c. Assume 50 psi at heads.
	Gear Driven Rotary Head	TORO	644-02-42 360° 12.9 GPM 642-02-42 180° 12.9 GPM 641-02-40 90° 6.7 GPM	City Std. 2709	Heads evenly spaced at approximately 45° o.c. 45-50 psi at heads. Required.
	Mainline - 6" - PVC 1120 or 1220 or SDR-21 with 200 psi rating				28" min. bury See General Irrigation Note 3
	Lateral Line - Schedule 40 PVC				18" min. bury, size as indicated on dwgs.
	Sleeves - Class 200 PVC				Sleeve pipe size is 2 sizes larger than pipe sleeved. ORAS INDICATED.
	Valve Number - Gallons/Minute Flow - Valve Size				Reference Valve Schedule
	BUBBLER	RAINBIRD	1404 16PM FULL CIRCLE PATTERNS	CITY STD 2710	BUBBLERS TO BE 1' - 2' O.C. AS INDICATED ON DWGS.

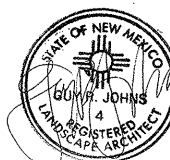
PLAN

1" = 30'-0"

FOR IRRIGATION LEGEND AND VALVE LEGEND, SEE SHEET 6

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ADDITIONAL PHASE I WORK INCLUDES TREES, IRRIGATION, SLEEVING, NATIVE SEEDING, PINES, ASPHALT, AND ADDITIONAL EDGING AS INDICATED. 5/8/98



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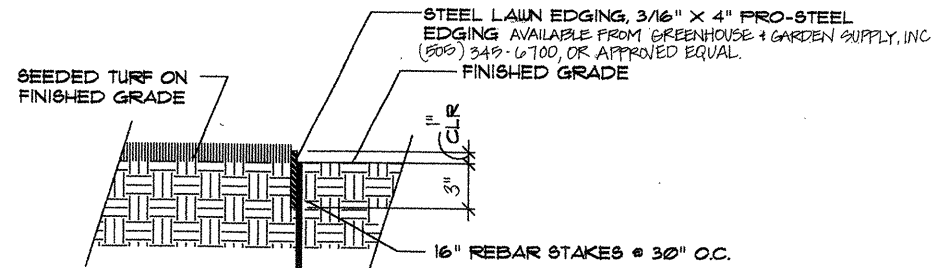
CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: **PHIL CHACON PARK SOCCER FIELD
IRRIGATION PLAN**

Design Review Committee City Engineer Approval

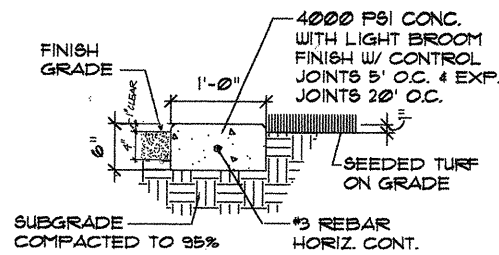
APPROVED
AUG 20 1997
DESIGN REVIEW COMMITTEE

City Project No. 4876.93 Zone Map No. L-19-Z Sheet 5 of 6



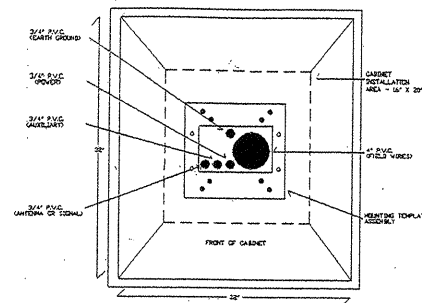
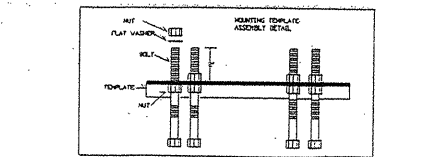
1 STEEL EDGE

NTS



2 12" CONCRETE EDGER

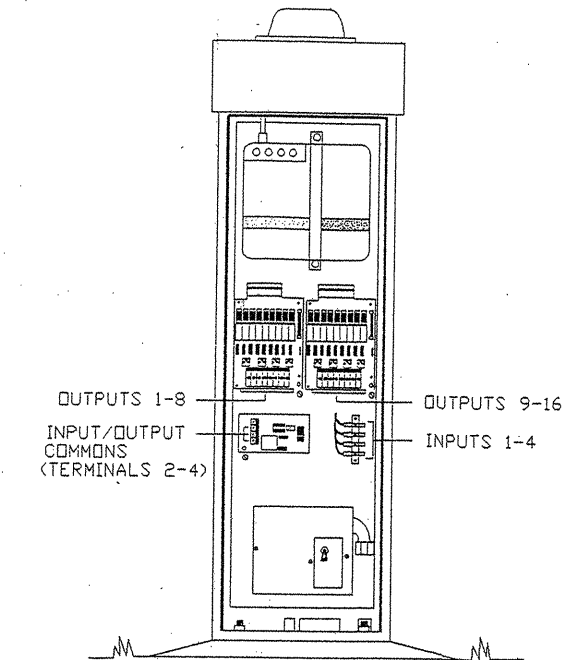
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NOTE: CONTROLLER
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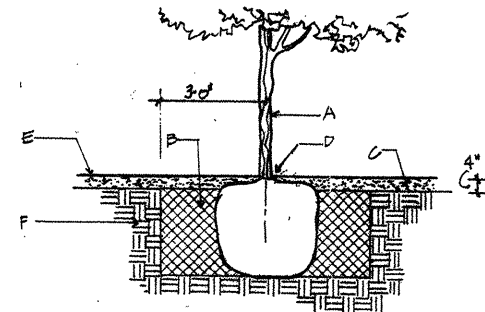
CONTROLLER BASE DETAILS

3 CONTROLLER DETAILS



TORO #M5S-2S SCORPIO 16 STATION CONTROLLER

CONTROLLER SHALL BE INSTALLED AS PER
MANUFACTURER'S RECOMMENDATIONS.



GENERAL NOTES:

1. ROOTBALL SHALL BE PLACED ON UNDISTURBED SOIL.
2. INSTALL TREE SO THAT ROOTBALL WILL BE COVERED WITH A 2' DEPTH OF FINES WHILE THE TOP OF THE FINES REMAINS LEVEL BETWEEN THE TOP OF THE FINES AND THE 2' DEPTH ABOVE THE ROOTBALL AND AT THE TRUNK.
3. PRIOR TO BACKFILLING TREE, ALL WIRE, ROPE, AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE & PLANTING PIT.
4. PRIOR TO BACKFILLING ALL BURLAP SHALL BE CUT AWAY EXCEPT FROM BOTTOM OF ROOTBALL.

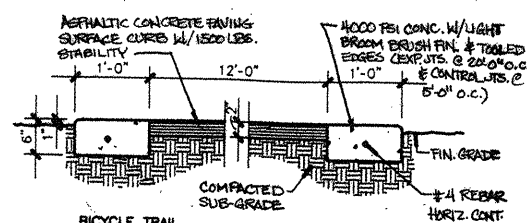
CONSTRUCTION NOTES:

- A. TREE
- B. BACKFILL WITH EXISTING SOIL
- C. 4" DEPTH CRUSHER FINES (SEE PLAN TO DETERMINE IF FINES ARE STABILIZED - SHEET # 3)
- D. 2" DEPTH CRUSHER FINES AT TRUNK AND ABOVE ROOTBALL
- E. FINISH GRADE
- F. UNDISTURBED SOIL

4 TREE IN CRUSHER FINES MULCH/PAVEMENT.

NTS

NTS



5 BICYCLE TRAIL SECTION DETAIL

3/4" = 1'-0"

Phil Chacon Phase II - Irrigation Legend

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	DETAIL	NOTES
	3" Meter				NIC - Installed as part of Cesar Chavez Community Center Project
	Irrigation Mainline Isolation Valve Box With Cover & Extensions at Meter				NIC - Installed as part of Cesar Chavez Community Center Project
	Reduced Pressure Backflow Preventer In Insulated Steel Box	FEBCO	Hot Box		NIC - Installed as part of Cesar Chavez Community Center Project
	Booster Pump Reservoir Tank Flow Switch				NIC - Installed as part of Cesar Chavez Community Center Project
	Flow Meter W/Master Valve Box With Locking Cover & Extensions	Bernad Brooks			NIC - Installed as part of Cesar Chavez Community Center Project
C	Controller - 16 Station	Motorola MIR 5000 Scorpio	M5S-2S-S With Box		See General Irrigation Note #10.
	Plastic Remote Control Zone Valve with Ball Valve & Box With Locking Cover	Rainbird Spears Brooks	PEB Series W/ Ball Valve 1730B-P28-18	City Std. 2703	Size as indicated on drawings - use red colored wires for zone valves, white for common; lid color - green.
A	Air Relief Valve Box With Locking Cover	Crispin Brooks	2" 1730B-P28-18	City Std. 2705	Box color - green, located at high pt. of mainline.
	Mainline Isolation Valve with Box with Locking Cover and Extensions	Nibco Brooks	P 6196 6" gate valve with 2" sq. operating nut, push-on 1730B-P-28-18	City Std. 2707	Sized to match line size; box color - green: 6" size.
	Gear Driven Rotary Head	TORO	300-25-ADJ 180° 2.33 GPM 300-25-ADJ 90° 1.16 GPM	City Std. 2709	Heads approximately 17.5 - 18.5 o.c. Assume 50 psi at heads.
	Gear Driven Rotary Head	TORO	644-02-42 360° 12.9 GPM 642-02-42 180° 12.9 GPM 641-02-40 90° 6.7 GPM	City Std. 2709	Heads evenly spaced at approximately 45' o.c. 45' 60' psi at heads, required.
	Mainline - 6" - PVC 1120 or 1220 or SDR-21 with 200 psi rating				28" min. bury See General Irrigation Note 3
	Lateral Line - Schedule 40 PVC				18" min. bury, size as indicated on dwgs.
	Sleeves - Class 200 PVC				Sleeve pipe size is 2 sizes larger than pipe sleeved. OR SIZE INDICATED
	Valve Number - Gallons/Minute Flow - Valve Size				Reference Valve Schedule
	BUBBLER	RAINBIRD	1404 16GPM FULL CIRCLE PATTERN	CITY STD DWG 2710	BUBBLERS TO BE PLACED @ UPHILL SIDE OF TREE IN SWALES.

Valve Legend

VALVE NO.	VALVE SIZE	TOTAL GPM	HEAD TYPE/ TYP GPM	PERC. RATE	RUN TIME MINUTES/DAY FOR 5"	INCHES PER MONTH	PLANT MATL
V1	2"	83.6	641 642 12.9	.82	36	7"	TURF
V2	2"	90.3	644 12.9	.41	73	7"	TURF
V3	2"	90.3	644 12.9	.41	73	7"	TURF
V4	2"	83.6	641 642 12.9	.82	36	7"	TURF
V5	2"	83.6	641 642 12.9	.82	36	7"	TURF
V6	2"	90.3	644 12.9	.41	73	7"	TURF
V7	2"	90.3	644 12.9	.41	73	7"	TURF
V8	2"	83.6	641 642 12.9	.82	36	7"	TURF
V9	2"	51.6	644 12.9	.41	73	7"	TURF
V10	2"	51.25	300 2.33 300 1.16	1.6	19	7"	TURF
V11	1 1/2"	30	1404 1.0	NA	NA	NA	TREES
V12	2"	56	1404 1.0	NA	NA	NA	TREES
V13	1 1/2"	30	1404 1.0	NA	NA	NA	TREES

PHASE I WORK WILL INCLUDE SEEDING AND IRRIGATION OF THE SOCCER FIELD AND A 1'-0" WIDE CONCRETE EDGER AROUND PART OF THE SOCCER FIELD AND A TEMPORARY STEEL EDGE ALONG THE NORTH EDGE. ALL OTHER WORK SHOWN WILL BE DONE IN FUTURE PHASES.

ADDITIONAL PHASE 1 WORK INCLUDES TREES, IRRIGATION ZONES, SLEEVING, NATIVE SEEDING, FINES, ASPHALT, AND ADDITIONAL EDGING AS INDICATED. 5/8/98



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CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: PHIL CHACON PARK SOCCER FIELD
SCHEDULES & DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	NO./DAY/YYR	HL/DAY/YYR
APPROVED AUG 20 1997 DESIGN REVIEW COMMITTEE		7/1/97	50-12	
City Project No. 4876.93	Zone Map No. L-19-Z	Sheet 6 of 6		