

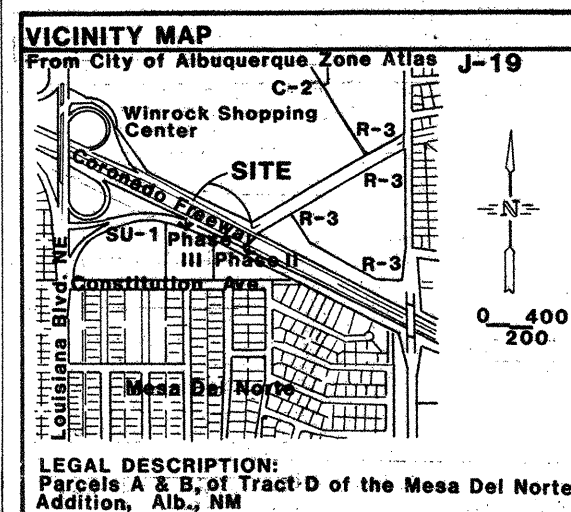
JERRY CLINE PARK : PHASE II

GRADING & DRAINAGE, CONSTRUCTION, IRRIGATION AND LANDSCAPING

PREPARED FOR:
THE CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

DENNIS C. WILKINSON AND ASSOCIATES

DCW



LANDSCAPE ARCHITECTURE DEVELOPMENT PLANNING

P.O. BOX 1542 CORRALES, NEW MEXICO 87048 (505) 897 7430

GENERAL NOTES:

- Grading for Phase II and Phase III shall be completed as part of this contract. All other work shall be completed as part of Phase II.
- All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with City of Albuquerque, Interim Standard Specifications, Public Works Construction 1985 and the Contract Document Specifications submitted as JERRY CLINE PARK: PHASE II - Grading & Drainage, Construction, Irrigation and Landscaping.
- Two (2) working days prior to any excavation, Contractor shall contact the Line Locating Service, 765-1234, for location of existing utilities.
- Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should conflict exist, the Contractor shall notify the Landscape Architect so that the conflict can be resolved with a minimum amount of delay.
- All utilities and utility service lines shall be installed prior to paving.
- If curb is depressed for handicap ramp, the ramp shall be constructed prior to acceptance of the curb and gutter.

REV	SHEET	CITY	ENGR	DATE	USER	DEPT	DATE	USER	DEPT	DATE
APPROVAL OF REVISIONS										
PROJECT NUMBER					APPROVED FOR CONST.					
2378					C.E.					

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SOILS INFORMATION

Diagnose and kind of Substratum for--										Substratum as shown on--				Soil texture affecting--		Hydrologic soil group
Soil color and deep structure	Depth to bedrock	Surface texture	Subsurface texture	Drainage without treatment	Drainage with treatment	Soil moisture (typical)	Local wind and erosion	Depth to bedrock	Soil texture	Depth to bedrock	Soil texture	Depth to bedrock	Soil texture	Plant growth	Other, however, and other	
Medium: 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11, 11-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19, 19-20, 20-21, 21-22, 22-23, 23-24, 24-25, 25-26, 26-27, 27-28, 28-29, 29-30, 30-31, 31-32, 32-33, 33-34, 34-35, 35-36, 36-37, 37-38, 38-39, 39-40, 40-41, 41-42, 42-43, 43-44, 44-45, 45-46, 46-47, 47-48, 48-49, 49-50, 50-51, 51-52, 52-53, 53-54, 54-55, 55-56, 56-57, 57-58, 58-59, 59-60, 60-61, 61-62, 62-63, 63-64, 64-65, 65-66, 66-67, 67-68, 68-69, 69-70, 70-71, 71-72, 72-73, 73-74, 74-75, 75-76, 76-77, 77-78, 78-79, 79-80, 80-81, 81-82, 82-83, 83-84, 84-85, 85-86, 86-87, 87-88, 88-89, 89-90, 90-91, 91-92, 92-93, 93-94, 94-95, 95-96, 96-97, 97-98, 98-99, 99-100, 100-101, 101-102, 102-103, 103-104, 104-105, 105-106, 106-107, 107-108, 108-109, 109-110, 110-111, 111-112, 112-113, 113-114, 114-115, 115-116, 116-117, 117-118, 118-119, 119-120, 120-121, 121-122, 122-123, 123-124, 124-125, 125-126, 126-127, 127-128, 128-129, 129-130, 130-131, 131-132, 132-133, 133-134, 134-135, 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CONSTRUCTION LEGEND

- Existing Chainlink Fence
- New Chainlink Fence w/ Concrete Edger
- Crushed Sand Jogging Path w/ Concrete Edger (Alternate No. 8)

CONSTRUCTION NOTES:

- Reference Specification Section 410. Chainlink Fencing and Gates for all chainlink fencing and gate information. See detail (1).
- Where crushed sand jogging path parallels Constitution Avenue, path shall be 8'-0" in width with 6" concrete edger on the north side and existing concrete curb on the south side. Construction shall be according to detail (2).
- Crushed sand for jogging path, available from Albuquerque Gravel Products, Albuquerque, New Mexico (505) 242-5265. Contractor shall submit sample to the Landscape Architect for approval prior to installation.
- Alternate No. 8: Consists of performing the work specified and shown on the drawings for the construction of conc. edger and crushed sand jogging path as described on this sheet.
- Contractor is responsible for removal and replacement of any existing curb and gutter or paving damaged during construction, or that may need to be removed and replaced due to construction.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DATE	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY	NO.	BY	NO.	BY

DENNIS C. WILKINSON AND ASSOCIATES
DCW
LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING
P.O. BOX 1842 505/897-7430
CORRALES, NEW MEXICO 87048

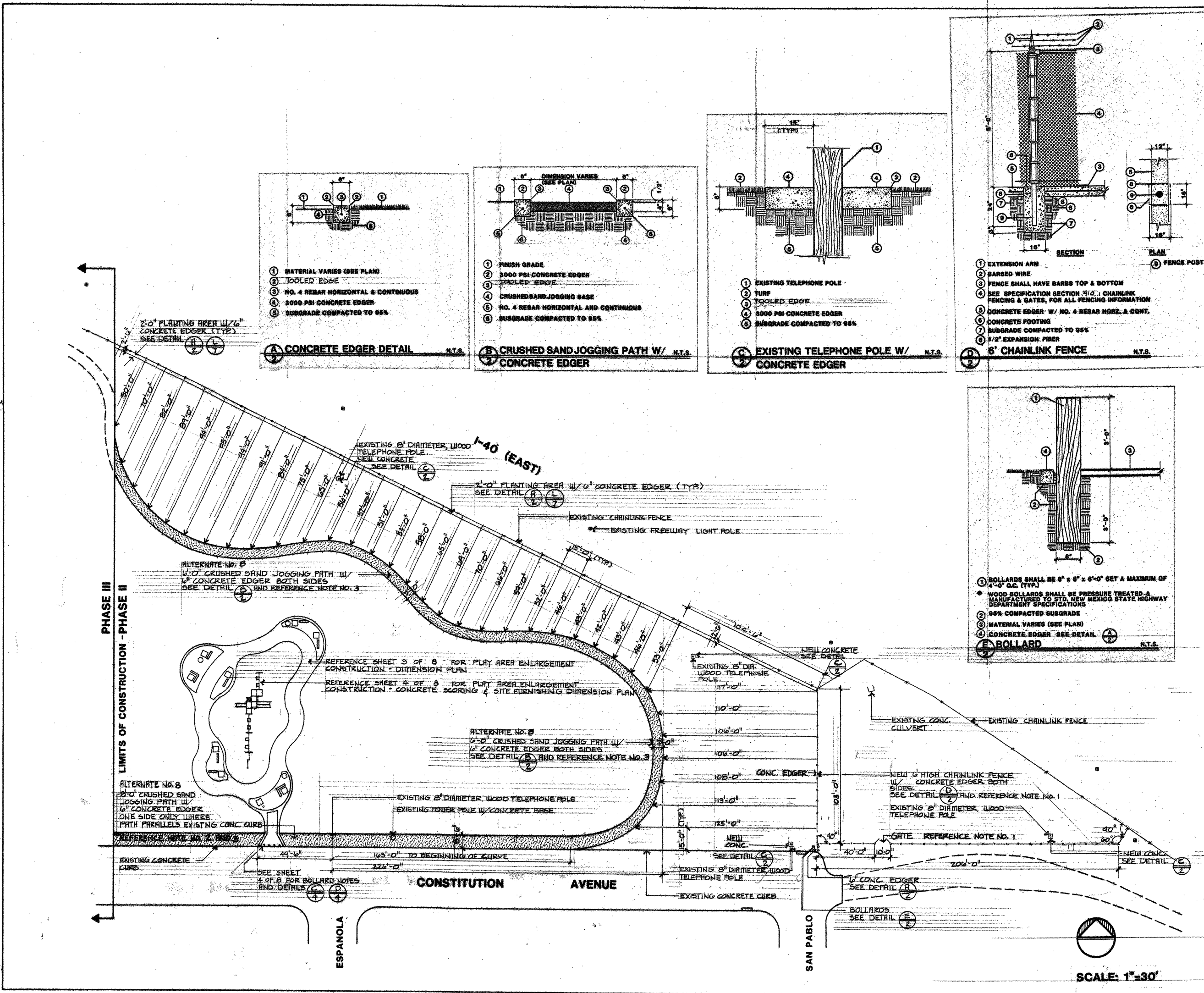
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CONSTRUCTION - SITE DIMENSION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	CH	1/24/85	Liquid Waste	N/A	1-2-85
A.C.E. Design	CH	1/20/85	Traffic	N/A	1-10-85
A.C.E. Hydrology	CH	1/20/85	Water	N/A	1-10-85
Particular Survey	CH	1-10-85			
DRAWING NO.	2378	MAP NO.	J-192	SHEET	2 OF 8

SCALE: 1"=30'

OCTOBER 25, 1985

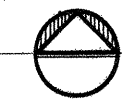


PHASE III
LIMITS OF CONSTRUCTION - PHASE II

CONSTITUTION AVENUE

ESPAÑOLA

SAN PABLO

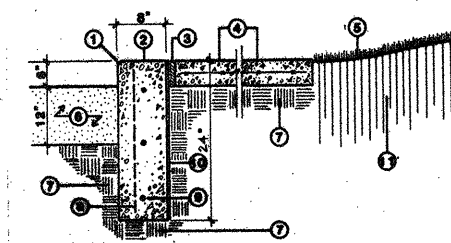


CONSTRUCTION LEGEND

- Standard Concrete
- Colored Concrete
- 12" Sand Base
- Crushed Sand Jogging Path w/Edger

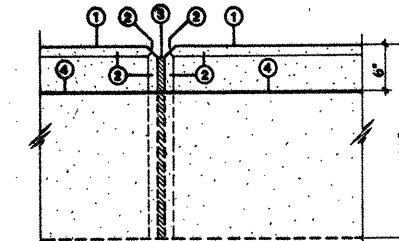
CONSTRUCTION NOTES:

1. Contractor shall construct new concrete paving with 606 10/10 W&W. Wire mesh shall be from sheets and not rolls and shall be installed on chairs.
2. Colored concrete as specified on plan are those areas of concrete to be integrally colored with pigment #6804 (CLIFFSIDE BROWN) as manufactured by Davis Colors at a rate of 2 1/2 pounds per sack of cement and cured with the matching Davis Color-Seal Cliffside Brown. Colored concrete and seal shall be mixed and applied as per Davis Color Application Instructions/Davis Data Sheet (578-1) available from Albuquerque Gravel Products, Albuquerque, New Mexico (505) 242-5265. Slabs shall be polished at the direction of the Landscape Architect. (A high polish finish is not desired.) First concrete pour for color, finish and polish shall be considered as a test to be inspected and approved by the Landscape Architect.
3. Contractor shall provide a smooth rubbed finish on all exposed wall surfaces.
4. Extreme caution shall be taken to prevent depressions or "bird baths" in new concrete surfaces.
5. See Sheet 4 of 6 for expansion joint, Playbooster, tree grate, bench, drinking fountain and bollard locations.
6. Contractor shall remove existing curb and gutter to nearest expansion joint to provide for curb cut as shown on plan. Re-pour curb and gutter as necessary to meet new curb cut. See detail (C) 3.
7. Install new curb and gutter as per City of Albuquerque Standards. See DWG-P-17.
8. All new concrete shall have a smooth trowel finish. Finish on first concrete pour shall be considered as a test to be inspected and approved by the Landscape Architect.



- SECTION**
- 1 CHAMFER EDGE
 - 2 POURED-IN-PLACE CONCRETE EDGER WALL
 - 3 1/2" EXPANSION FIBER
 - 4 4" THICK, 3000 PSI CONCRETE PAVING W/606 10/10 W&W. WIRE MESH SHALL BE FROM SHEETS AND NOT ROLLS AND SHALL BE INSTALLED ON CHAIRS
 - 5 GRASS
 - 6 BRICK SAND BASE
 - 7 SUBGRADE COMPACTED TO 95%
 - 8 NO. 5 REBAR VERTICAL 4'-0" o.c.
 - 9 NO. 5 REBAR HORIZ. & CONT. SET EQUIDISTANTLY IN WALL.
 - 10 1/4" MASTIC WATERPROOFING
 - 11 FILL DIRT
- NOTES:**
- 1. PROVIDE SMOOTH RUBBED FINISH ON ALL EXPOSED WALL SURFACES.
 - 2. FILL DIRT SHALL BE SOIL OF GOOD CHARACTER (BANKY LOAM) CLEAN AND FREE OF ROCKS, DEBRIS, VEGETATION AND TRASH, AND SHALL BE ALLOWED TO COMPACT BY WATERING ONLY. LANDSCAPE ARCHITECT SHALL INSPECT AND APPROVE SOIL PRIOR TO INSTALLATION.
 - 3. NO. 5 REBAR HORIZ. & CONT. SHALL BE TIED AND CENTERED IN THE WALL.

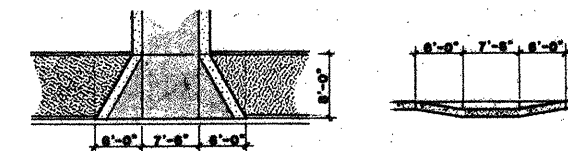
CONCRETE EDGER WALL W/ CONCRETE PAVING



- ELEVATION**
- 1 POURED-IN-PLACE CONCRETE EDGER WALL
 - 2 1" CHAMFER EDGE
 - 3 1/2" EXPANSION FIBER
 - 4 FINISH GRADE OF SAND BASE

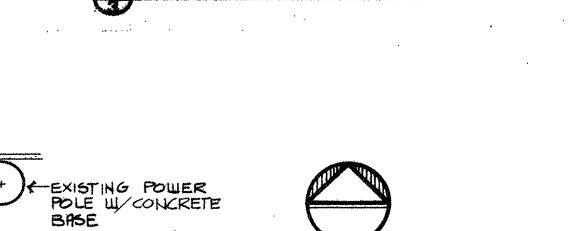
NOTE: EDGER WALL SHALL HAVE EXPANSION JOINTS UNIFORMLY PLACED AS REQUIRED AT MAXIMUM INTERVALS OF 10'-0" o.c.

WALL EXPANSION JOINT

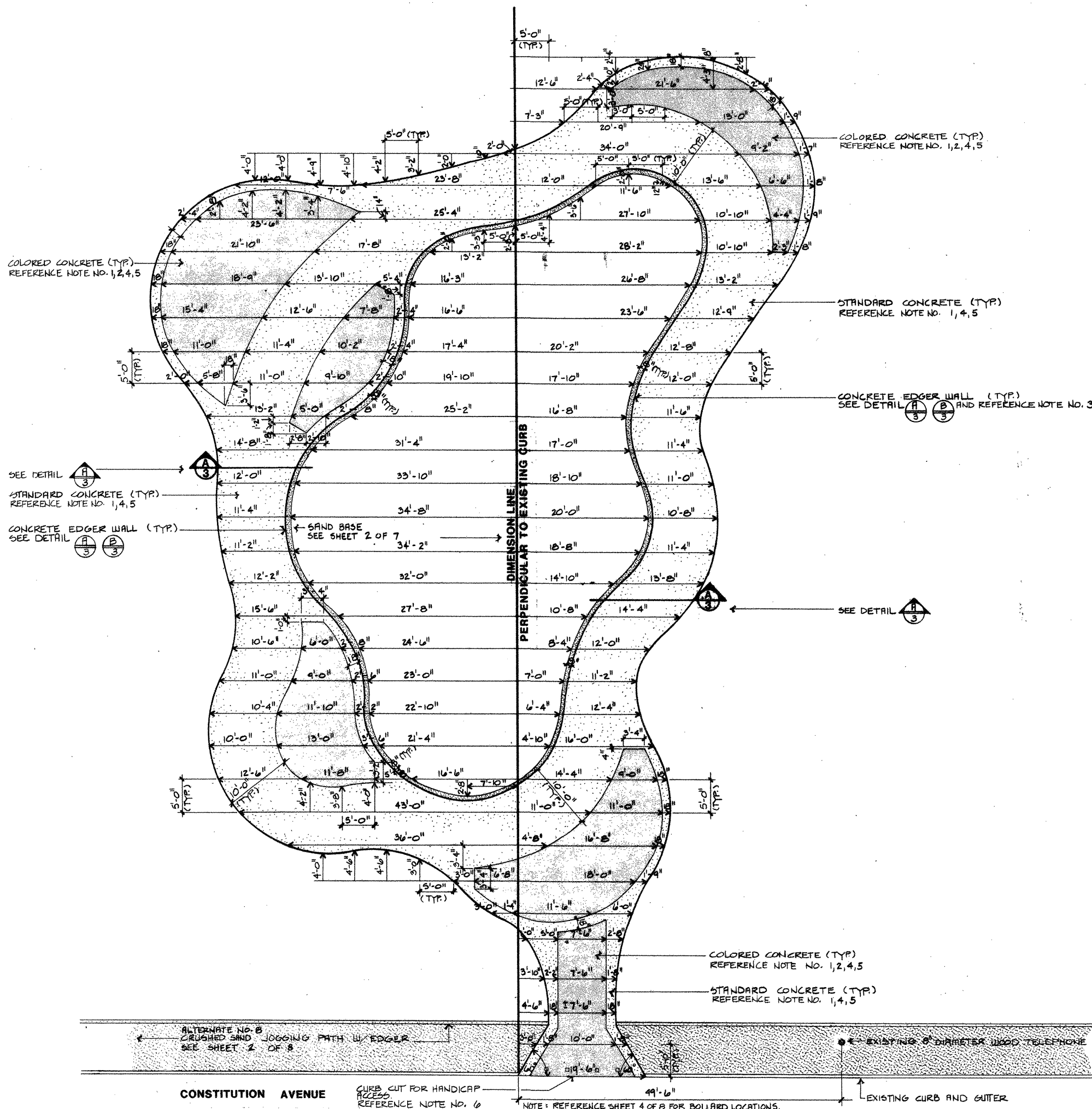


- PLAN**
- NOTES:**
- 1. HANDICAPPED RAMP TO MEET EXISTING GRADES AT GUTTER
 - 2. HANDICAPPED RAMP TO BE CONSTRUCTED IN ACCORDANCE W/ CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

HANDICAPPED RAMP



SCALE: 1/8" = 1'-0"



PLAY AREA ENLARGEMENT

OCTOBER 25, 1985

DESIGNED BY			CHECKED BY		
CITY OF ALBUQUERQUE			MUNICIPAL DEVELOPMENT DEPARTMENT		
ENGINEERING DIVISION			TITLE:		
CONSTRUCTION - DIMENSION PLAN			APPROVALS		
ENGINEER			ENGINEER		
DATE			DATE		
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.			SHEET		
2378			3		
MAP NO.			OF		
J-19Z			8		

IRRIGATION LEGEND

RAINBIRD ISC-24 Independent Station Computer Controller.
Controller shall be equipped with one (1) TRC Systems ELM 37 Permanent Controller Connector with housing and connector key, as well as one (1) ISC-MC Remote Control Interface. For controller and additional equipment reference Specifications Section 2441-3-4.12 Controller. Controller shall be located in concrete irrigation vault as manufactured by Materials Inc., Albuquerque, New Mexico (505) 345-7765.

4" WATER METER
Reference Note No. 5

PEELER 1" Bronze Gate Valve. Model B-68 IPS.
See detail (A)

PEELER 4" W. Ring Gasket Valve 70EA.
See detail (B)

EXISTING 8" Cast Iron Mainline

NEW 4" GASKET PVC MAINLINE. Depth of bury shall be 24" minimum.
NEW 3" GASKET PVC MAINLINE. Depth of bury shall be 24" minimum.
NEW 1" SCH. 40 PVC MAINLINE TO DRINKING FOUNTAIN. Depth of bury shall be 24" minimum. Reference Note No. 8.

NEW LATERAL PIPING, SCH. 40 PVC. Sized As Marked.
Depth of bury shall be 18" minimum.

MASTERVALVE ASSEMBLY. See detail (C)

Assembly includes:
1. RAINBIRD EGV-400-MFC Cast Iron Flanged Electric Valve.
2. CASH ACME VBA-3" Atmospheric Vacuum Breaker Backflow Preventer.
3. HYDRO-RAIN 102-IPC. Size 1". Normally Open Valve.
4. TORO SERIES 640-Gear Driven Rotary (1) 642-02-44 MINORAL EXPRIN.
PEELER 1/2" Bronze Gate Valve. Model B-68 IPS. (E)
Solvent Weld Cap (Sized as marked)
RAINBIRD Quick Coupling Valve (55 with 55k). See detail (F)
Each key shall be equipped with SH-1 Swivel Hose Ell. 1" Female Pipe Thread x 3/4" Male Hose Thread.
RAINBIRD RBV-500 Combination Air Vent/Vacuum Relief and Continual Acting Vent Valve. (Inlet 1" IPS)
See detail (G)

RAINBIRD RP-P Plastic Electric Angle Valve.
See detail (H)

Valve No.	Valve Size	Total GPM
V-1	2"	62.0
V-2	1 1/2"	12.0
V-3	2"	57.5
V-4	2"	63.0
V-5	2"	66.5
V-6	2"	63.0
V-7	2"	52.5
V-8	2"	40.5
V-9	1 1/2"	31.0
V-10	2"	43.0
V-11	2"	57.0
V-12	1 1/2"	28.0
V-13	2"	49.0
V-14	2"	59.0
V-15	1 1/2"	9.0
V-16	2"	54.0
V-17 (Add. Alt. No.1)	2"	34.0

TORO SERIES 640 - Gear Driven Rotary
See detail (I)

Model No.	PSI	GPM	Radius	P _r
641-02-41	40	12.0	27'	.98
642-02-41	40	9.5	48'	.76
644-02-41	40	9.5	48'	.38
644-02-42	40	32.0	52'	.41
644-02-43	40	6.0	47'	.25
640-02-40-127"	40	6.0	47'	
640-02-42-238"	40	12.0	52'	

TORO SERIES 570 - Lawn Spray
See detail (J)

Model No.	PSI	GPM	Radius	P _r
90" 5704-P	30	1.0	15'Q	1.38
180" 5704-P	30	2.0	15'H	1.38
360" 5704-P	30	4.0	15'P	1.38

RAINBIRD 1404 - Full Circle Pressure Compensating Bubbler
(Estimated GPM: 1.0)
See detail (K)

IRRIGATION NOTES:

- Prior to start of construction Contractor shall mark w/ stakes locations of all utility lines determined by verification with City Parks and Recreation and all public utilities. Any damage to existing utility lines will be the responsibility of the Contractor.
- Control wires shall be identified with E-Z Coder WDR Series Tape at each valve and at the controller. Valves shall be numbered on the "as-built" drawings.
- At the completion of the project, Contractor shall coordinate final controller program with City of Albuquerque Parks and Recreation Maintenance Supervisor.
- This system is designed for 150GPM w/40 PSI needed at the head. Pressure at the pt. of connection is est. to be 70 PSI. Contractor shall verify pressure prior to irrigation installation.
- The City of Albuquerque Water Systems Division, Water Utilities Dept. is responsible for the installation of the top to the existing 8" cast iron mainline located in Constitution Ave. for the installation of the 4" gasket mainline. Necessary to reach the specified meter location as shown on this plan, for the cutting and replacement of asphalt as necessary to run new piping, for the installation and setting of the 4" meter and for the construction of the meter pit and concrete meter vault. All work shall be performed according to the Water Systems Division, Water Utilities Dept. specifications. The Contractor is responsible for all costs involved in the complete installation and coordination of these items w/ Water Utility Dept. (825-4200)
- Contractor is responsible for providing power to meter pedestal as well as to the controller. ISC controller requires the following:
Input: 117 volt AC, 60 Hz
Output: 26.5 volt, 60 Hz, 1.5A
- Additive Alternate No. 1 shall consist of Valve 17, wiring, piping and bubblers in its entirety. Ref sheet 8 of 8 for plant material which is also to be included as part of Additive Alternate No. 1.
- Contractor is responsible for providing 1" mainline and 1" threaded stub-out for drinking fountain. City of Alb. Parks and Recreation will provide and install drinking fountain and drain line.

ELECTRICAL NOTES:

- Extend riser up existing pole as per PNM drawing DS-4-9.0.
- 100A self contained meter pedestal with (one) 1 P, 20A breaker and (two) 2 P spare mount per PNM drawing DS-19-84.0.
- Three (3) No. 12 THHN in 1/2" C, minimum depth of bury shall be 30".
- Three (3) No. 2 THW in 2" C, minimum depth of bury shall be 30".



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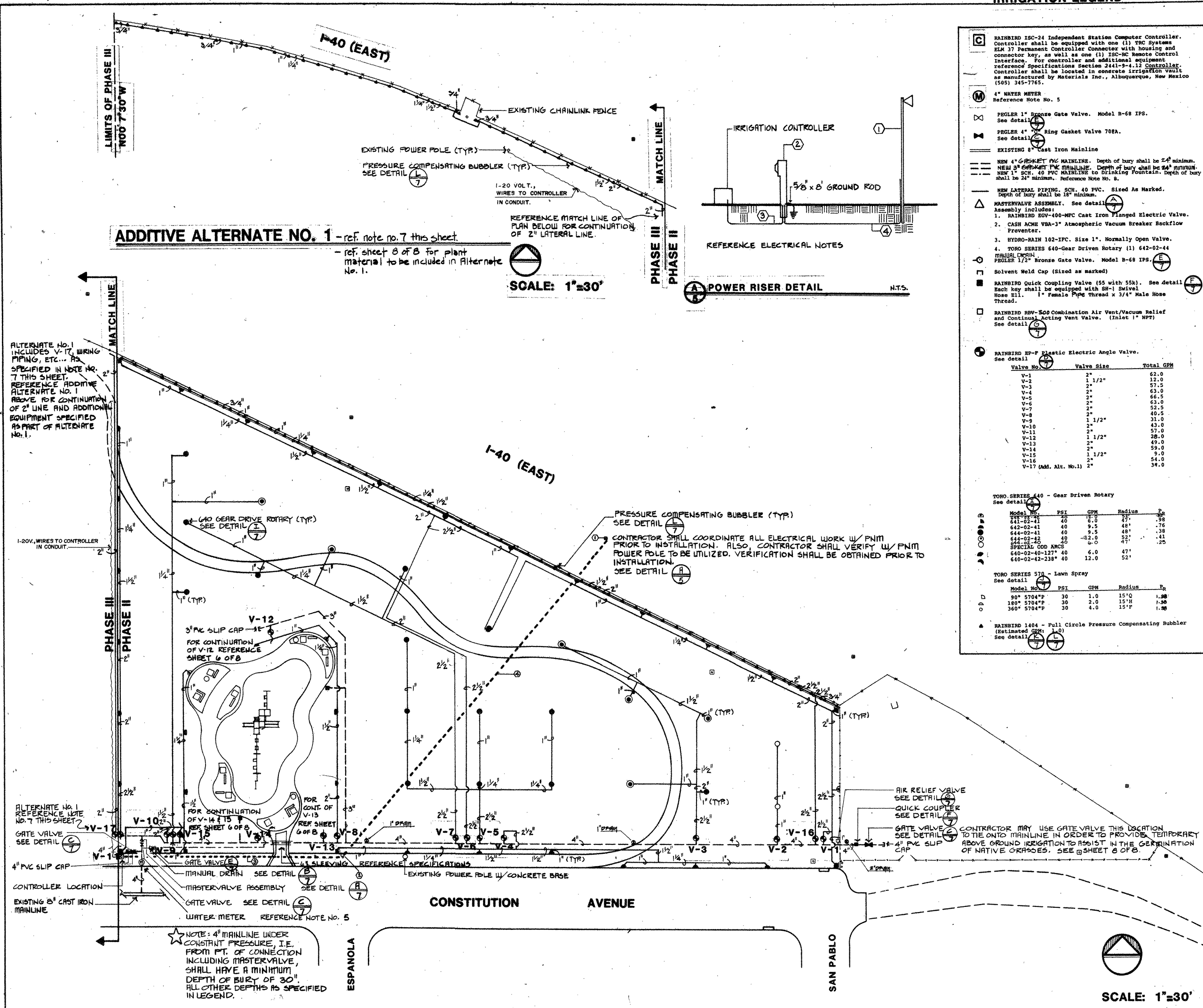
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: IRRIGATION AND ELECTRICAL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		12/20/86	Liquid Waste		1-10-86
ACE-Design		12/20/86	Traffic		1-10-86
ACE-Hydrology		12/20/86	Water		1-10-86
Mark H. S. S. S. S. S.		1-10-86			
DRAWING NO. 2378			MAP NO. J-19Z		
			SHEET 5 OF 8		

SCALE: 1"=30'

OCTOBER 25, 1985



ADDITIVE ALTERNATE NO. 1 - ref. note no. 7 this sheet

- ref. sheet 8 of 8 for plant material to be included in Alternote No. 1.

SCALE: 1"=30'

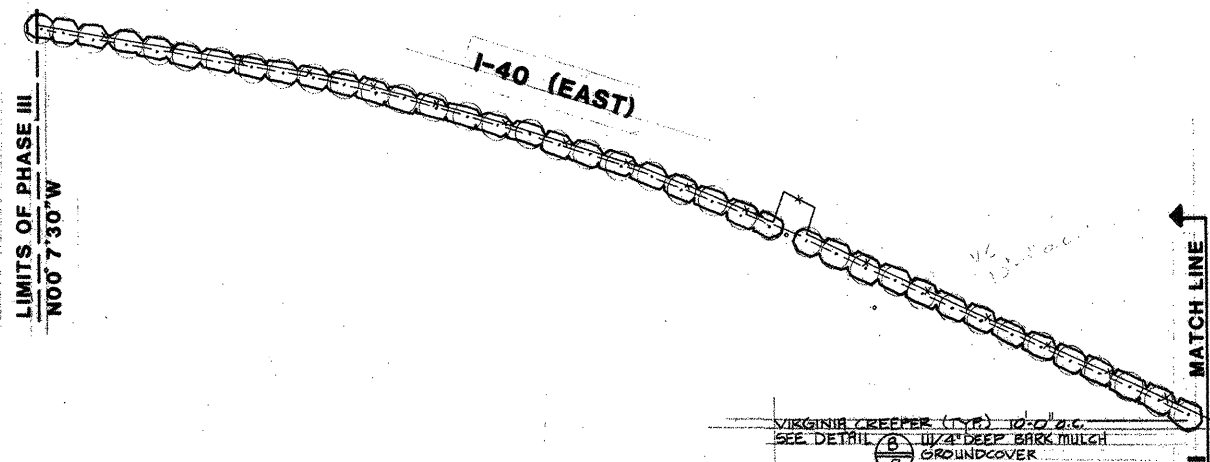
POWER RISER DETAIL N.T.S.

ALTERNATE NO. 1 INCLUDES V-17, WIRING PIPING, ETC... AS SPECIFIED IN NOTE NO. 7 THIS SHEET. REFERENCE ADDITIVE ALTERNATE NO. 1 ABOVE FOR CONTINUATION OF 2" LINE AND ADDITIONAL EQUIPMENT SPECIFIED AS PART OF ALTERNATE NO. 1.

ALTERNATE NO. 1 REFERENCE NOTE NO. 7 THIS SHEET

NOTE: 4" MAINLINE UNDER CONSTANT PRESSURE, I.E. FROM PT. OF CONNECTION INCLUDING MASTERVALVE, SHALL HAVE A MINIMUM DEPTH OF BURY OF 30". ALL OTHER DEPTHS AS SPECIFIED IN LEGEND.

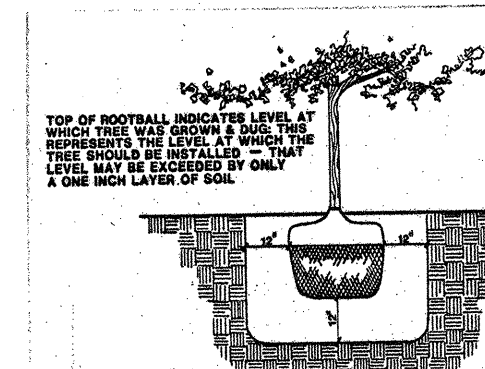
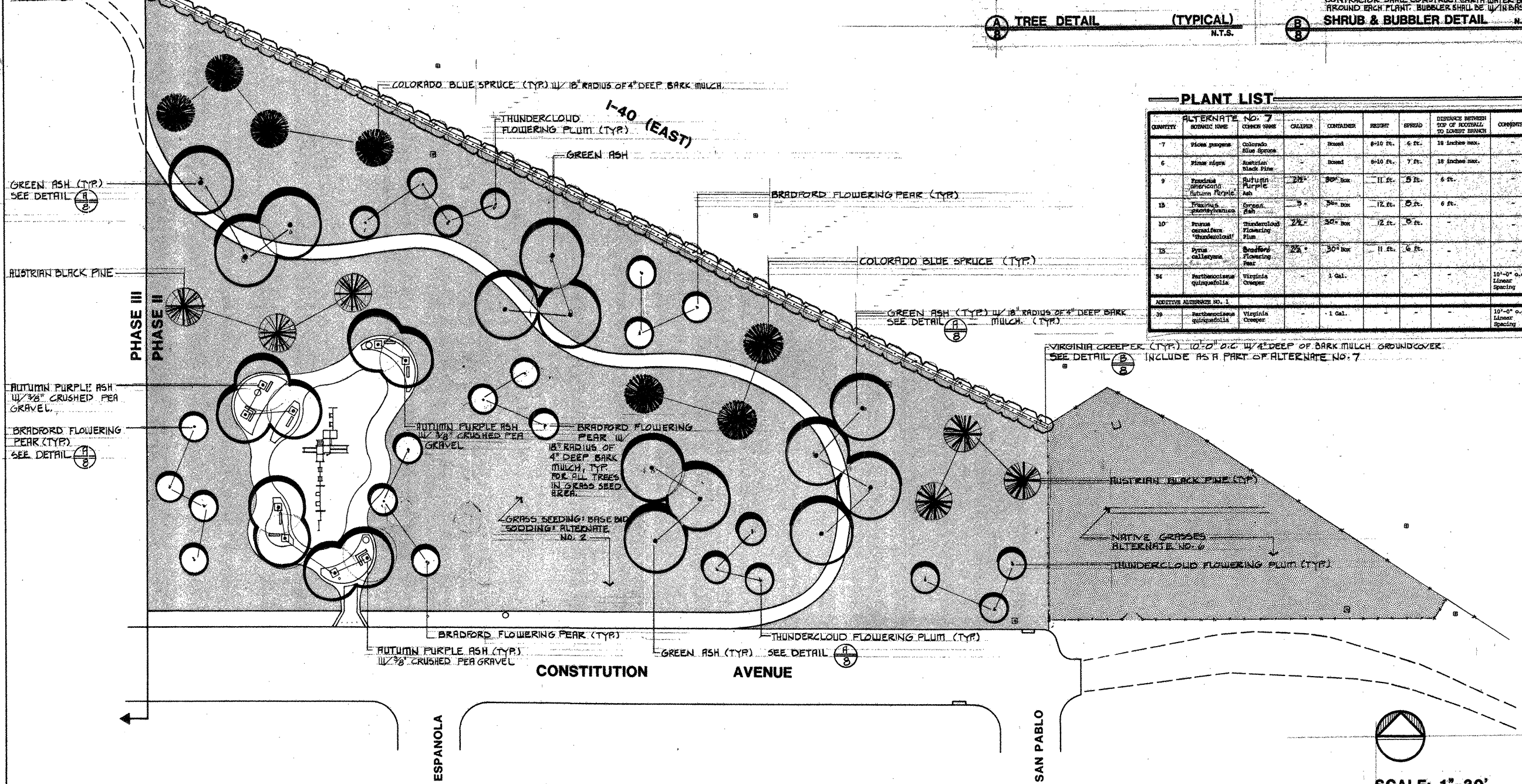
OCTOBER 25, 1985



ADDITIVE ALTERNATE NO. 1 - ref. note no. 5 this sheet
 - ref. sheet 5 of 8 note no. 7
 for irrigation equipment to
 be included as part of
 Alternate No. 1.

SCALE: 1"=30'

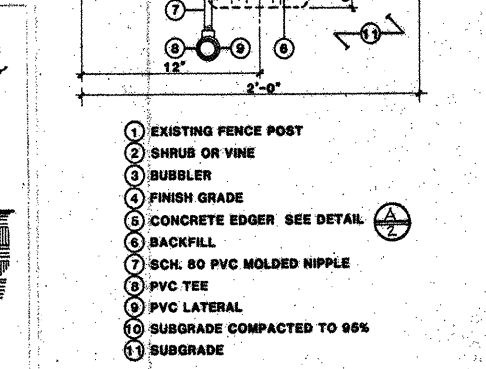
REFERENCE ADDITIVE
 ALTERNATE NO. 1 ABOVE
 FOR VIRGINIA CREEPER
 ALONG PHASE II
 FENCE LINE TO BE
 INCLUDED AS PART OF
 ALTERNATE NO. 1.



● PLANTING PITS SHALL BE TWO FEET GREATER IN DIAMETER
 THAN THE ROOTBALL AND TWELVE INCHES GREATER THAN
 THE DEPTH OF THE ROOTBALL.
 ● BACKFILL SHALL CONSIST OF THREE PARTS EXISTING
 AND ONE PART PEAT MOSS.

NOTE:
 THE APPLICATION RATES OF AGRIFORM FERTILIZER TABLETS
 SHALL BE AS INDICATED IN SPECIFICATIONS
 SECTION 2490: LANDSCAPING, PARAGRAPH 3.03 PLANTING
 PG. 2490-3.

TREE DETAIL (TYPICAL)
 N.T.S.



NOTES:
 PLANTING PITS FOR SHRUBS SHALL BE ONE FOOT
 GREATER IN DIAMETER THAN THE ROOTBALL AND
 6\"/>

SHRUB & BUBBLER DETAIL
 N.T.S.

PLANT LIST

QUANTITY	SYMBOL	COMMON NAME	CHALKER	CONTAINER	HEIGHT	SPREAD	DISTANCE BETWEEN TOP OF ROOTBALL TO TOP OF BUBBLER	COMMENTS
7		Vine populus	Colorado Blue Spruce	10-0'	6 ft.	6 ft.	18 inches max.	
6		Pine edg	Austrian Black Pine	10-0'	6 ft.	7 ft.	18 inches max.	
9		Fraxinus americana	Autumn Purple Ash	2 1/2'	30" box	11 ft.	5 ft.	
13		Fraxinus americana	Green Ash	3'	30" box	12 ft.	5 ft.	
10		Prunus occidentalis	Thundercloud Flowering Plum	2 1/2'	30" box	12 ft.	5 ft.	
15		Prunus calleryana	Bradford Flowering Pear	2 1/2'	30" box	11 ft.	5 ft.	
14		Perthocaulis quingifolia	Virginia Creeper	1 Gal.				10'-0" o.c. Linear Spacing
19		Perthocaulis quingifolia	Virginia Creeper	1 Gal.				10'-0" o.c. Linear Spacing

ADDITIVE ALTERNATE NO. 1
 19 Perthocaulis quingifolia Virginia Creeper 1 Gal.
 19 Perthocaulis quingifolia Virginia Creeper 1 Gal.

PLANTING NOTES:

- All Austrian Black Pines shall have uniform branch structure with full, dense needle development and shall be pyramidal and symmetrical in shape.
- All Blue Spruce shall be nursery grown. Native dog material will not be accepted. Spruce shall have uniform branch structure with full, dense needle development and shall be pyramidal and symmetrical in shape.
- All new plant material specified shall be secured by the Contractor and approved by the Landscape Architect by no later than 30 days after the contract is awarded.
- All tree locations shall be represented by using 1"x2"x12" wood stakes. The name of the tree shall be indicated on the stake so that it is readily identifiable. Shrub locations shall be determined by placement of containerized plant material. All locations will be inspected by the Landscape Architect prior to installation of plant material.
- Alternate No. 1: Consists of performing the work specified and shown on the drawings for the installation of irrigation valve-17, wiring, piping, and bubblers in its entirety as described on sheet 5 of 8; and the installation of thirty-nine (39) one gallon Virginia Creeper as specified on this sheet.
- Alternate No. 2: Consists of performing the work specified and shown on the drawings for the installation of sod in lieu of grass seeding as described on this sheet.
- Alternate No. 3: Consists of performing the work specified and shown on the drawings for the installation of native grasses as shown on this sheet. Reference specifications section 410.
- Alternate No. 7: Consists of performing the work specified and shown on the drawings for the installation of all trees and Virginia Creeper along the Phase II fence line as described on this sheet.
- Contractor shall take necessary care to protect jogging path, shrub bed and tree wells during seeding and re-seeding operation. Contractor shall be responsible for coordinating with the Landscape Architect an appropriate time for treating those areas with Round-Up Herbicide.
- Contractor shall provide 18" radius of 4" deep bark mulch around all trees located in grass seeding area. Include in Alternate No. 7.
 Contractor shall provide bark mulch 4" deep in planting bed for Virginia Creeper. Include in Alternate No. 7.
 Contractor shall provide 3/8" crushed pea gravel 4" deep in each tree grate location. Contractor shall provide gravel as part of Alternate No. 4.

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
PLANTING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/20/85	Liquid Waste	<i>[Signature]</i>	1-10-85
A.C.E.-Design	<i>[Signature]</i>	1/20/85	Traffic	<i>[Signature]</i>	1-10-85
A.C.E.-Hydrology	<i>[Signature]</i>	1/20/85	Water	<i>[Signature]</i>	1-10-85

DRAWING NO. 2378 **MAP NO. J-19Z** **SHEET 8 OF 8**

SCALE: 1"=30'

OCTOBER 25, 1985