

JERRY CLINE PARK : PHASE II

GRADING & DRAINAGE, CONSTRUCTION, IRRIGATION AND LANDSCAPING

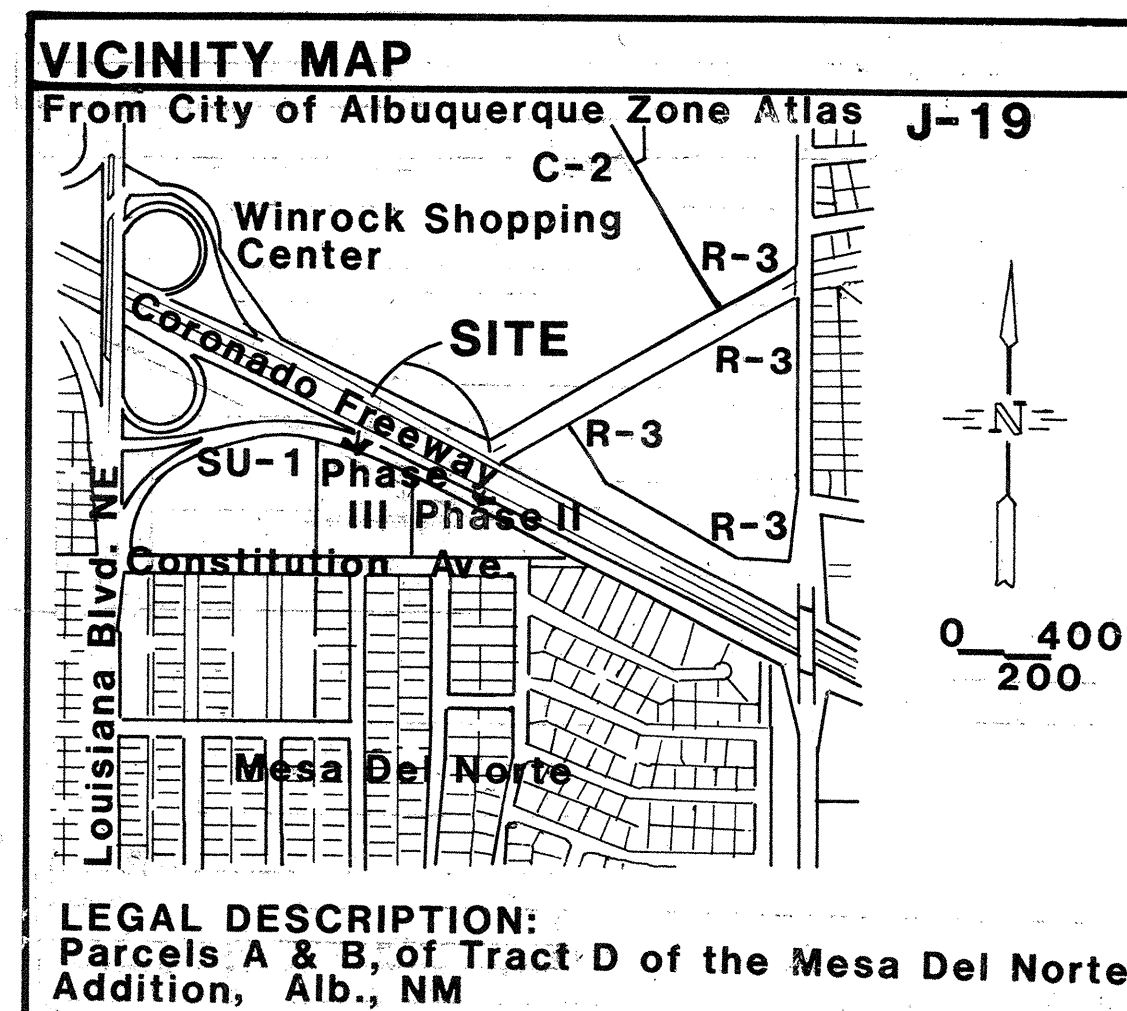
PREPARED FOR:

THE CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

DENNIS C. WILKINSON AND ASSOCIATES

DCW

Dec 18 '86
As built drawings



LANDSCAPE ARCHITECTURE DEVELOPMENT PLANNING

P.O. BOX 1542

CORRALES, NEW MEXICO 87048

(505) 897 7430

GENERAL NOTES:

1. 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 III.
2. 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.
3. Two (2) working days prior to any excavation, Contractor shall contact the Line Locating Service, 765-1234, for location of existing utilities.
4. 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.
5. All utilities and utility service lines shall be installed prior to paving.
6. 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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GRADING AND DRAINAGE PLAN - PHASES II & III.	1
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JERRY CLINE PARK : PHASE II

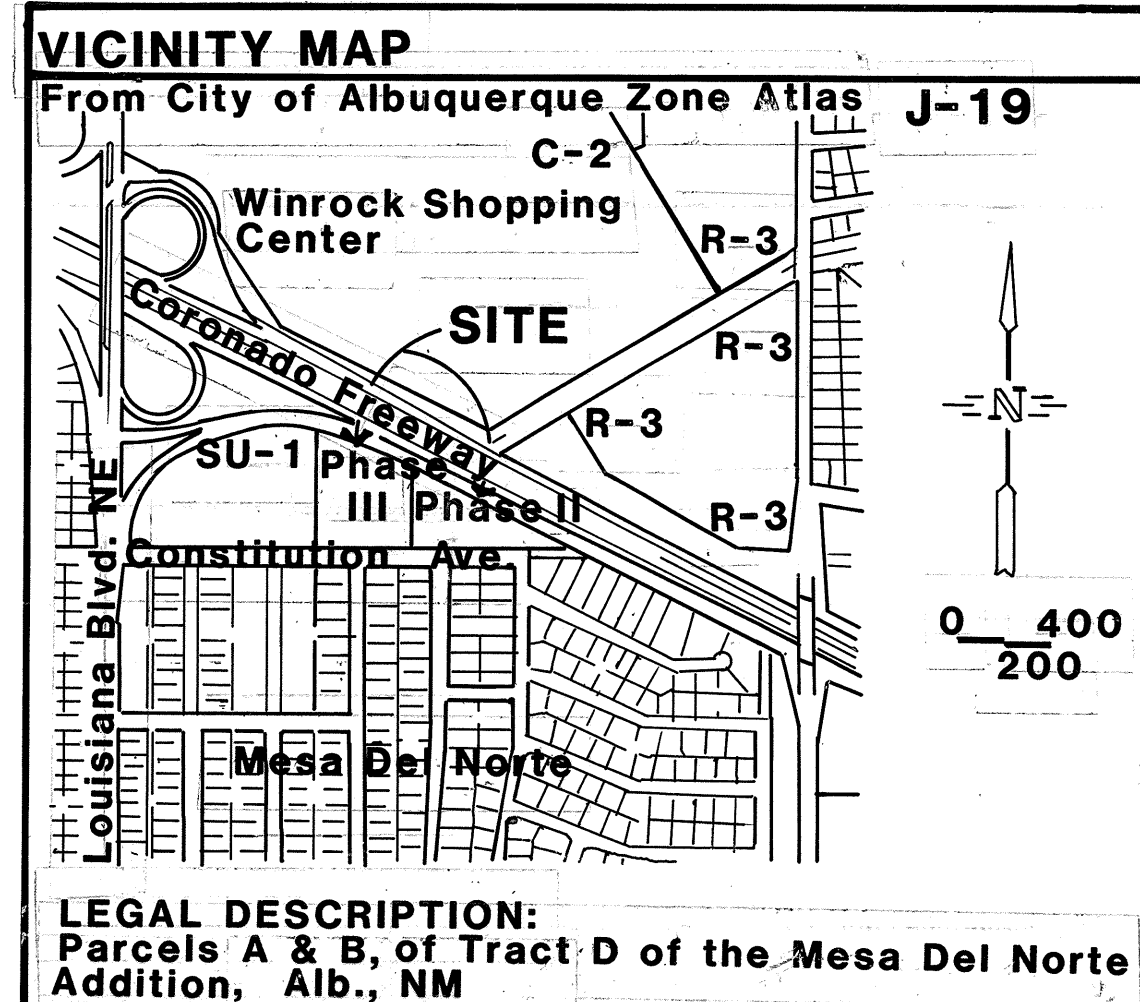
GRADING & DRAINAGE, CONSTRUCTION, IRRIGATION AND LANDSCAPING

PREPARED FOR:

THE CITY OF ALBUQUERQUE
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LANDSCAPE ARCHITECTURE DEVELOPMENT PLANNING

P.O. BOX 1542

CORRALES, NEW MEXICO 87048

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JERRY CLINE PARK SCHEMATIC MASTERPLAN: PHASE II

Prepared for: **THE CITY OF ALBUQUERQUE,
PARKS & RECREATION DEPARTMENT**

Prepared by: **DENNIS C. WILKINSON, A.S.L.A.**

DCW

LANDSCAPE ARCHITECT · DEVELOPMENT PLANNING

•DESIGN CRITERIA

•GRADING & DRAINAGE

1. Phases II & III need to be addressed as one issue.
2. Awareness of existing contours and drainage swales is critical.
3. Drainage area at east end of Park to be re-graded, cleaned up, and fenced off for SAFETY, MAINTAINABILITY, and VISIBILITY.

•AESTHETICS

1. Park site is located in an area which receives high VISIBILITY from both the NEIGHBORHOOD and I-40. Both USER and VIEWER need to be considered.

•SECURITY & SAFETY

1. Security & Safety to be achieved by good design of design elements.
2. Low berms and trees acting as buffer. Trees should not be so dense as to create security problems.
3. Fencing shall be installed around the east drainage area. Area to be re-graded for greater visibility.

•MAINTENANCE

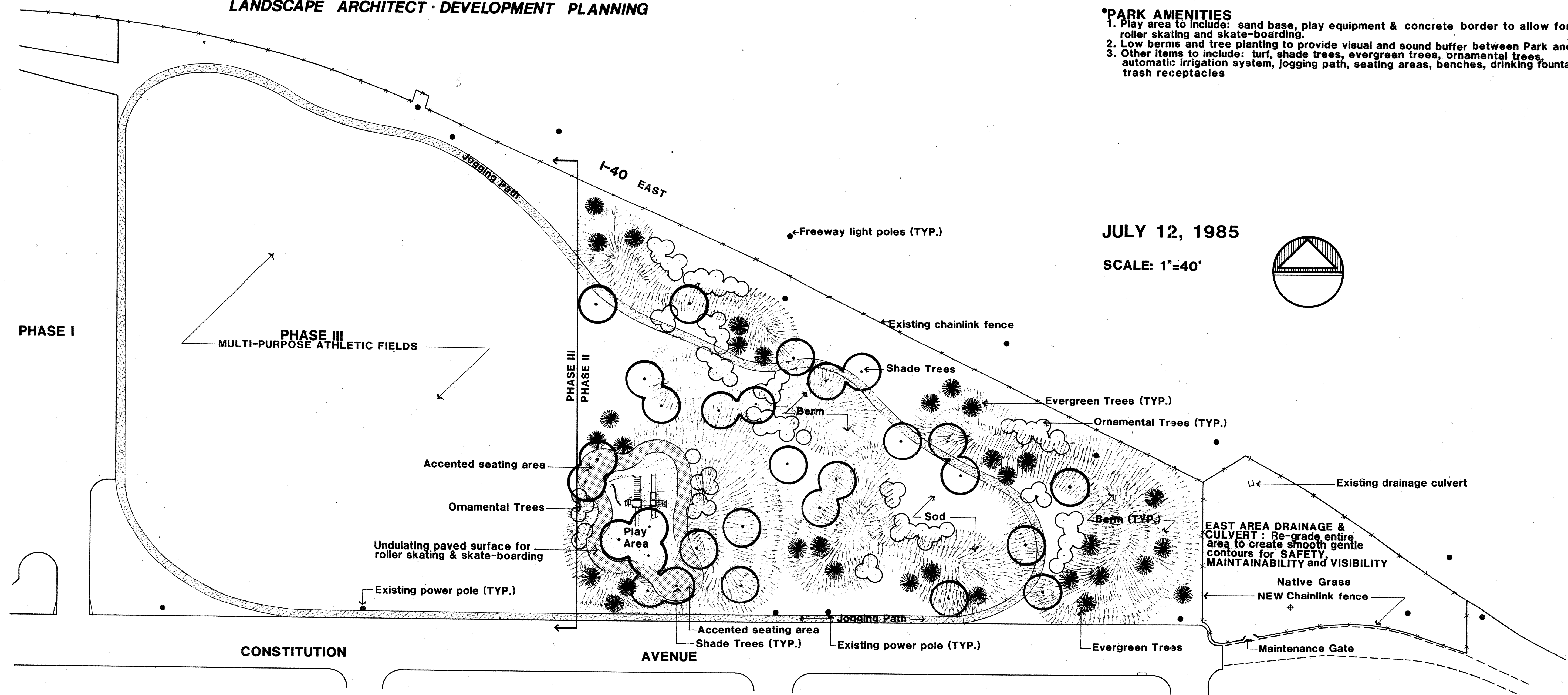
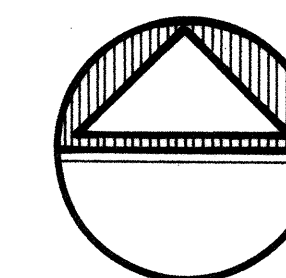
1. Slope on berms, location of trees, jogging path, accessibility, play area, irrigation system etc... to be constructed to meet City Maintenance Standards.

•PARK AMENITIES

1. Play area to include: sand base, play equipment & concrete border to allow for roller skating and skate-boarding.
2. Low berms and tree planting to provide visual and sound buffer between Park and Freeway.
3. Other items to include: turf, shade trees, evergreen trees, ornamental trees, automatic irrigation system, jogging path, seating areas, benches, drinking fountain & trash receptacles

JULY 12, 1985

SCALE: 1"=40'



JERRY CLINE PARK SCHEMATIC MASTERPLAN: PHASE II

Prepared for: **THE CITY OF ALBUQUERQUE,
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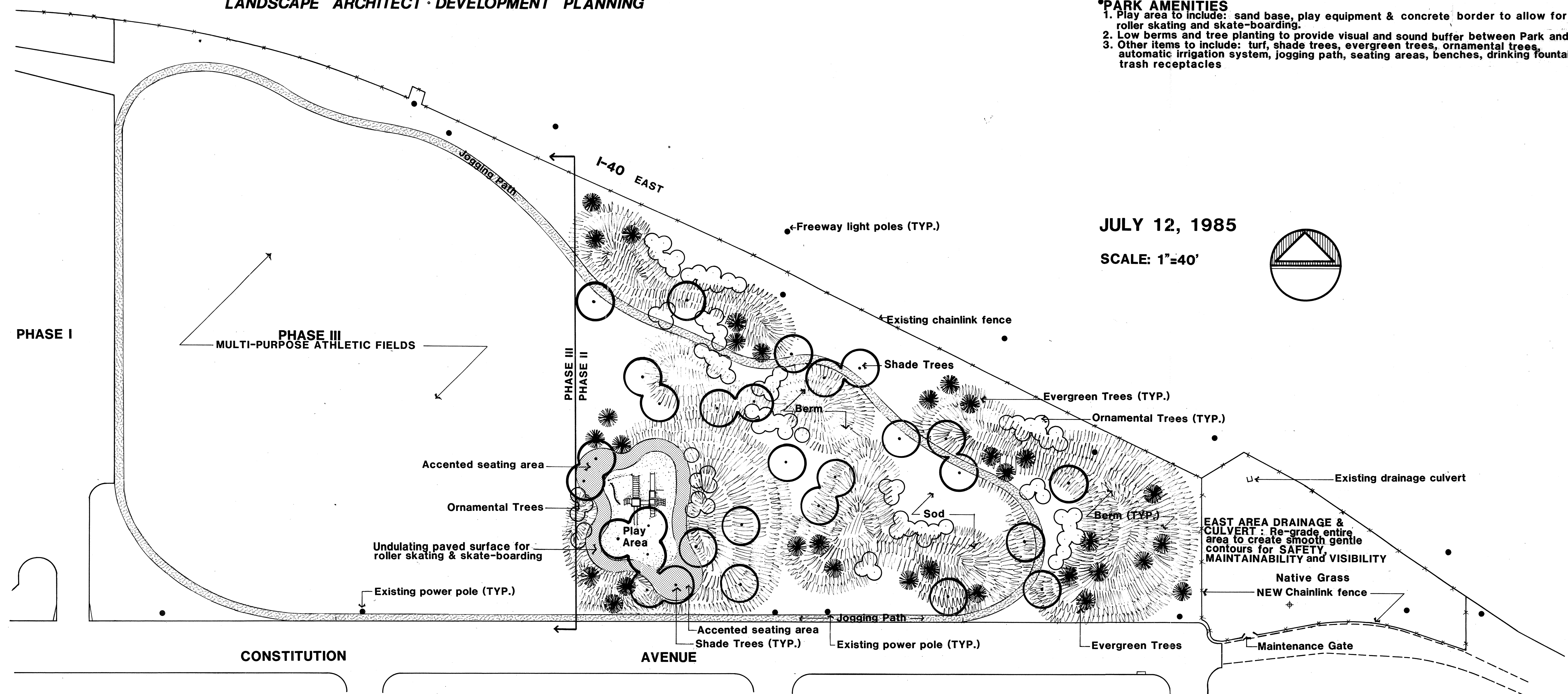
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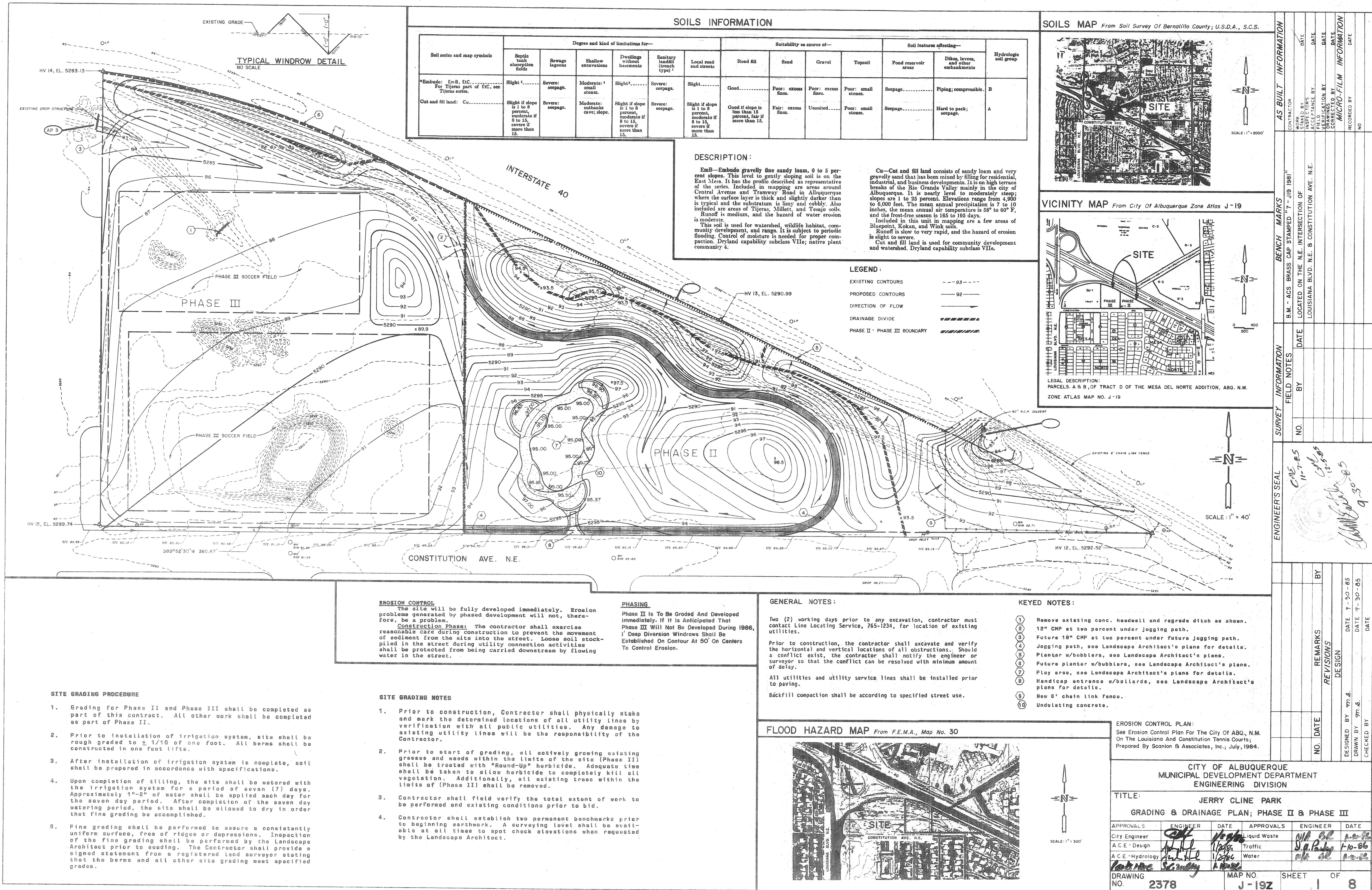
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OCTOBER 25, 1985

* 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 1/2 - 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 1/2 - 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																														
CONTRACTOR WORK ORDER BY INSPECTION BY ACCEPTANCE BY FIELD VERIFICATION BY DRAWINGS CORRECTED BY MICRO-FILM INFORMATION RECORDED BY NO.	DATE DATE DATE DATE DATE DATE DATE	NO. BY DATE	NO. BY DATE	NO. BY DATE																														
APPROVALS City Engineer A.C.E. - Design A.C.E. - Hydrology Park-Memo S. J. Bailey	ENGINEER DATE DATE DATE DATE	APPROVALS Liquid Waste Traffic Water	ENGINEER DATE DATE DATE DATE	APPROVALS DATE DATE DATE DATE																														
DENNIS C. WILKINSON AND ASSOCIATES DCW LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING P.O. BOX 1542 505/897-7430 CORRALES, NEW MEXICO 87048																																		
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION																																		
TITLE: CONSTRUCTION - SITE DIMENSION PLAN																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">APPROVALS</td> <td style="width: 20%;">ENGINEER</td> <td style="width: 20%;">DATE</td> <td style="width: 20%;">APPROVALS</td> <td style="width: 20%;">ENGINEER</td> <td style="width: 20%;">DATE</td> </tr> <tr> <td>City Engineer</td> <td><i>DCW</i></td> <td>1/24/84</td> <td>Liquid Waste</td> <td><i>N/A</i></td> <td>1-24-84</td> </tr> <tr> <td>A.C.E. - Design</td> <td><i>DCW</i></td> <td>1/20/84</td> <td>Traffic</td> <td><i>N/A</i></td> <td>1-10-84</td> </tr> <tr> <td>A.C.E. - Hydrology</td> <td><i>DCW</i></td> <td>1/20/84</td> <td>Water</td> <td><i>N/A</i></td> <td>1-10-84</td> </tr> <tr> <td><i>Park-Memo</i></td> <td><i>S. J. Bailey</i></td> <td>1-10-84</td> <td></td> <td></td> <td></td> </tr> </table>					APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer	<i>DCW</i>	1/24/84	Liquid Waste	<i>N/A</i>	1-24-84	A.C.E. - Design	<i>DCW</i>	1/20/84	Traffic	<i>N/A</i>	1-10-84	A.C.E. - Hydrology	<i>DCW</i>	1/20/84	Water	<i>N/A</i>	1-10-84	<i>Park-Memo</i>	<i>S. J. Bailey</i>	1-10-84			
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DRAWING NO. 2378		MAP NO. J-19Z			SHEET 2 OF 8																													

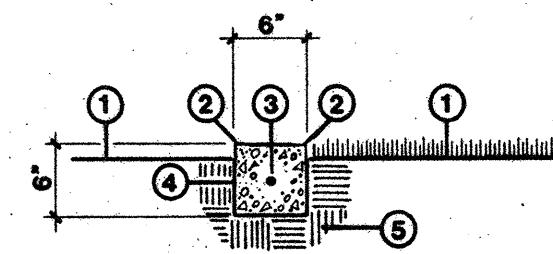


CONSTRUCTION LEGEND

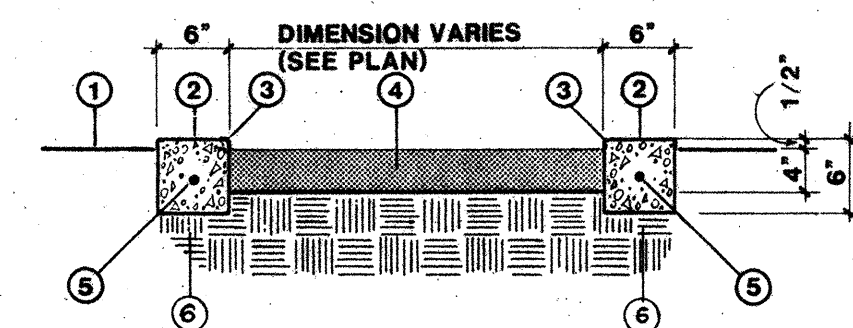
CONTRACTOR	DATE	INSPECTOR'S	DATE	FIELD	DATE	REVISIONS	DATE	RECORDED BY	DATE

CONSTRUCTION NOTES:

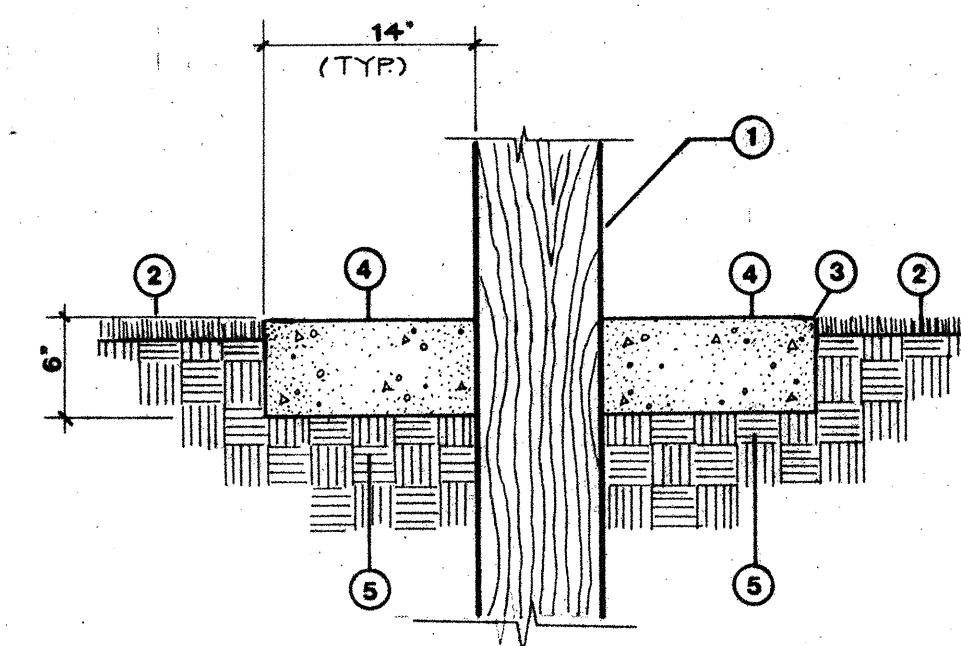
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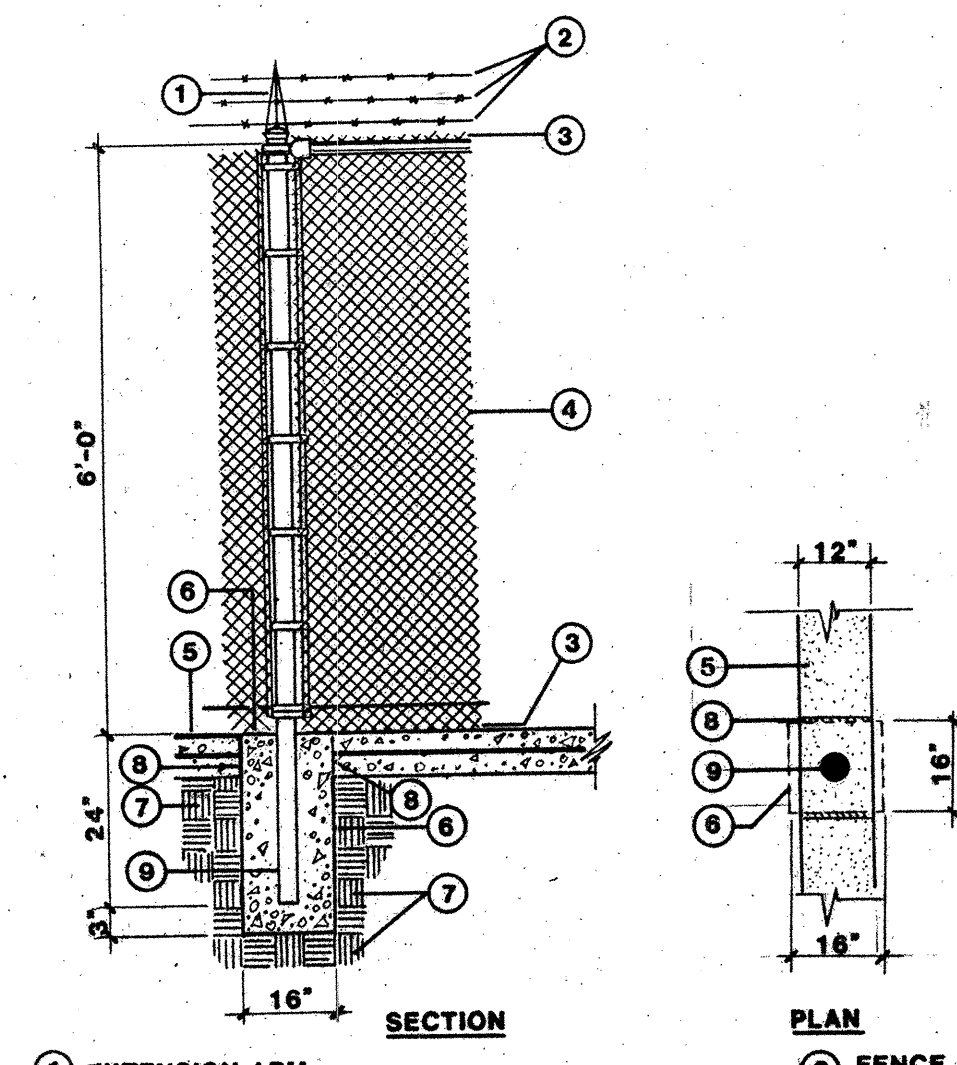
A CONCRETE EDGER DETAIL N.T.S.
1 MATERIAL VARIES (SEE PLAN)
2 TOOLED EDGE
3 NO. 4 REBAR HORIZONTAL & CONTINUOUS
4 3000 PSI CONCRETE EDGER
5 SUBGRADE COMPACTED TO 95%



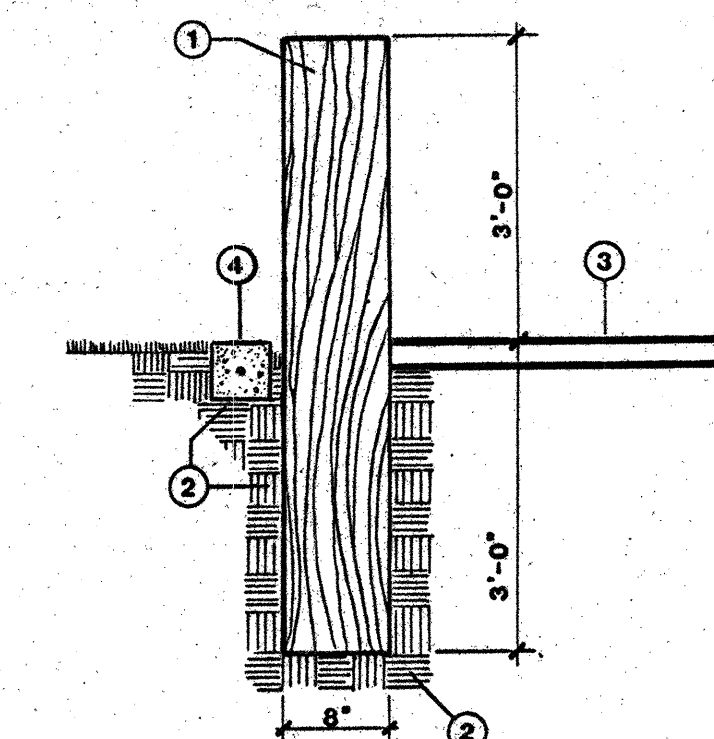
B CRUSHED SAND JOGGING PATH W/ CONCRETE EDGER N.T.S.
1 FINISH GRADE
2 3000 PSI CONCRETE EDGER
3 TOOLED EDGE
4 CRUSHED SAND JOGGING BASE
5 NO. 4 REBAR HORIZONTAL AND CONTINUOUS
6 SUBGRADE COMPACTED TO 95%



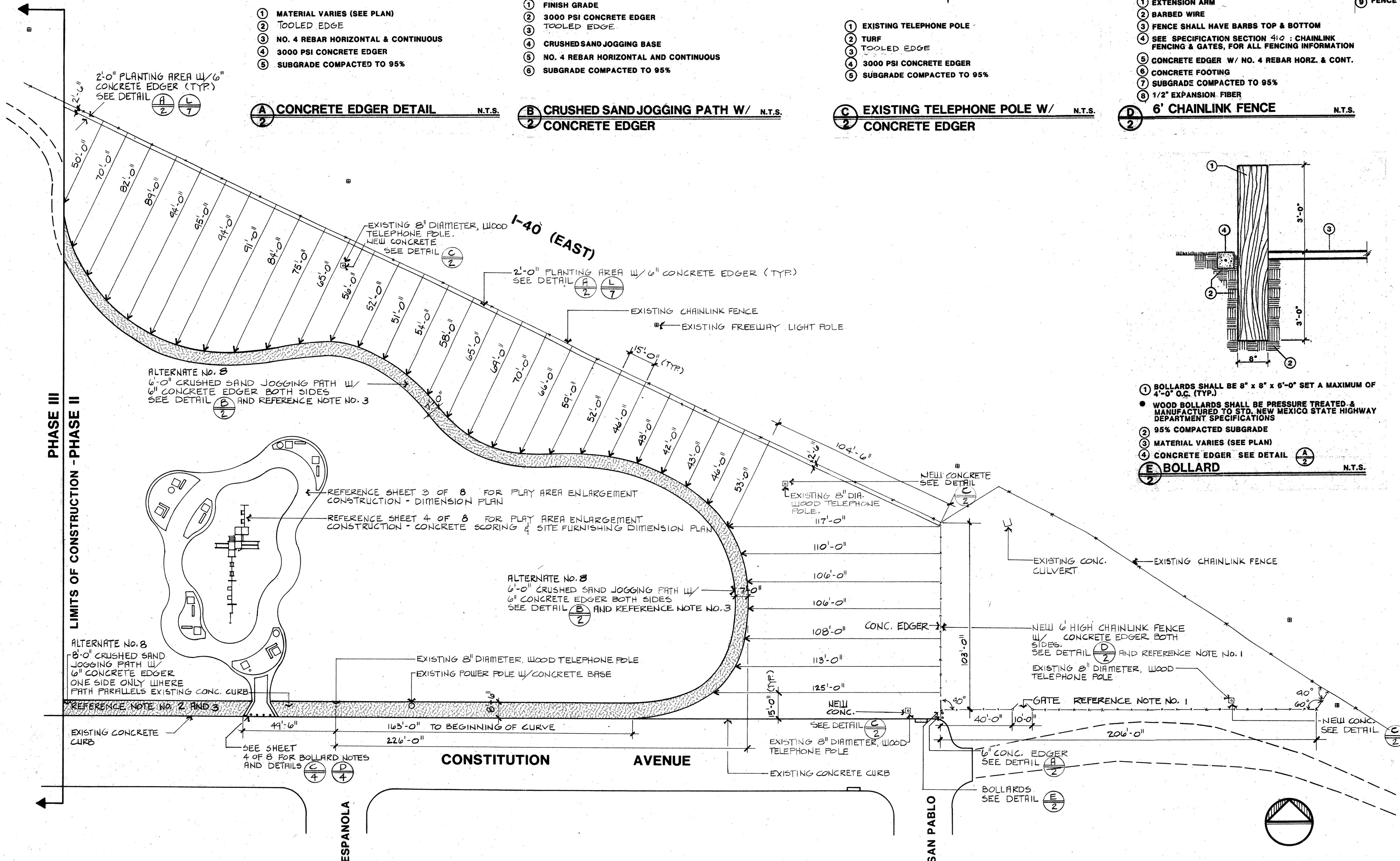
C EXISTING TELEPHONE POLE W/ CONCRETE EDGER N.T.S.
1 EXISTING TELEPHONE POLE
2 TURF
3 TOOLED EDGE
4 3000 PSI CONCRETE EDGER
5 SUBGRADE COMPACTED TO 95%



D 6' CHAINLINK FENCE N.T.S.
1 EXTENSION ARM
2 BARBED WIRE
3 FENCE SHALL HAVE BARBS TOP & BOTTOM
4 SEE SPECIFICATION SECTION 410: CHAINLINK FENCING & GATES, FOR ALL FENCING INFORMATION
5 CONCRETE EDGER W/ NO. 4 REBAR HORIZ. & CONT.
6 CONCRETE FOOTING
7 SUBGRADE COMPACTED TO 95%
8 1/2" EXPANSION FIBER



E BOLLARD N.T.S.
1 BOLLARDS SHALL BE 8" x 8" x 6'-0" SET A MAXIMUM OF 4'-0" O.C. (TYP.)
2 WOOD BOLLARDS SHALL BE PRESSURE TREATED & MANUFACTURED TO STD. NEW MEXICO STATE HIGHWAY DEPARTMENT SPECIFICATIONS
3 95% COMPACTED SUBGRADE
4 MATERIAL VARIES (SEE PLAN)
5 CONCRETE EDGER SEE DETAIL (A) 2



SCALE: 1"=30'

OCTOBER 25, 1985

DENNIS C. WILKINSON AND ASSOCIATES
DCW
LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING
P.O. BOX 1542 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		1/2/86	Liquid Waste		1-2-86
A.C.E. - Design		1/2/86	Traffic		1-10-86
A.C.E. - Hydrology		1/2/86	Water		1-10-86
Part-time Survey		1/2/86			
DRAWING NO.	2378	MAP NO.	J-19Z	SHEET	2 OF 8

☐ Standard Concrete
☒ Colored Concrete
☐ 12" Sand Base
☒ Crushed Sand Jogging Path w/Edger.
 See sheet 2 of 8. Alternate No. 8.

1. Contractor shall construct concrete paving with 6x6 10/10 WMM. 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 CS78-1; 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 pours 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 rubbered 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, Playbusher, tree grate, bench, drinking fountain and bollard location.
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

Install new curb and gutter as per City of Albuquerque Standards.
See DULG-F-17

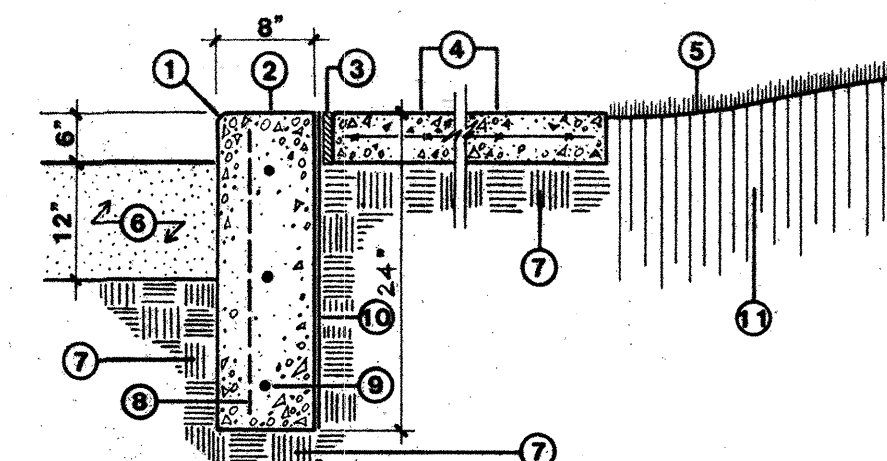
5. All new concrete shall have a smooth trowel finish. Finish on first concrete pours shall be considered as a test to be inspected and approved by the Landscape Architect.

DENNIS C. WILKINSON AND ASSOCIATES
DCW
LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING
P.O. BOX 1542 505/897-743
CORRALES, NEW MEXICO 87048

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
CONSTRUCTION - DIMENSION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/29/84	Liquid Waste	<i>NIA BR</i>	1-29-84
A.C.E.-Design	<i>[Signature]</i>	1/29/84	Traffic	<i>D.A. Parker</i>	1-29-84
A.C.E.-Hydrology	<i>[Signature]</i>	1/29/84	Water	<i>NIA BR</i>	1-29-84
<i>Parker, Inc. Shirley</i>					
DRAWING NO.	2378		MAP NO.	J-19Z	
			SHEET	3	OF 8



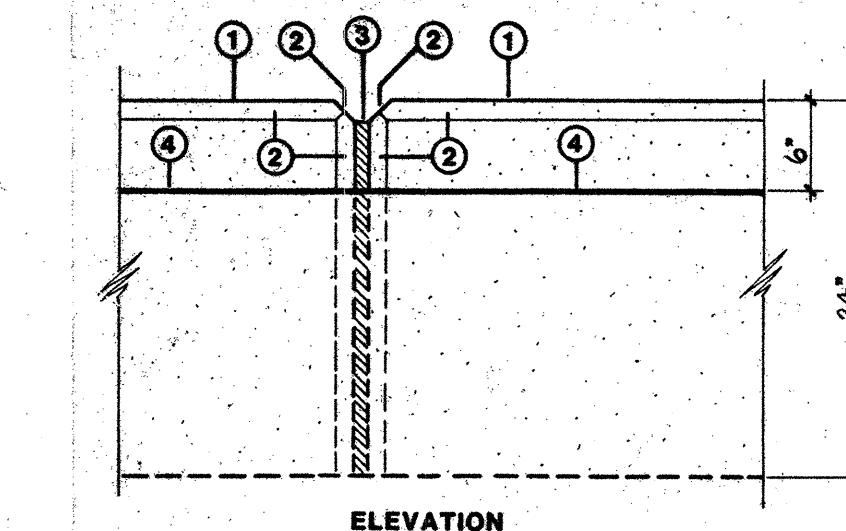
SECTION

- 1 1" CHAMFER EDGE
- 2 POURED IN-PLACE CONCRETE EDGER WALL
- 3 1/2" EXPANSION FIBER
- 4 4" THICK, 3000 PSI CONCRETE PAVING W/6x6s 10'10 WWM. 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:

- PROVIDE SMOOTH RUBBED FINISH ON ALL EXPOSED WALL SURFACES.
- FILL DIRT SHALL BE SOIL OF GOOD CHARACTER (SANDY 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.
- NO. 5 REBAR HORZ. & CONT. SHALL BE TIED AND CENTERED IN THE WALL.

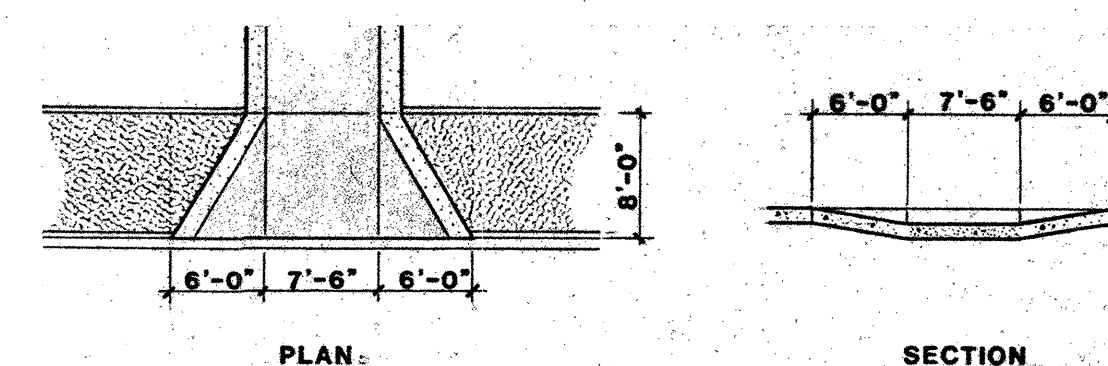
A CONCRETE EDGER WALL W/ N.T.S.
3 CONCRETE PAVING



- 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.

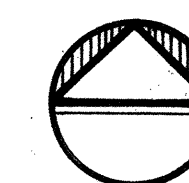
B WALL EXPANSION JOINT N.T.S.



NOTES:

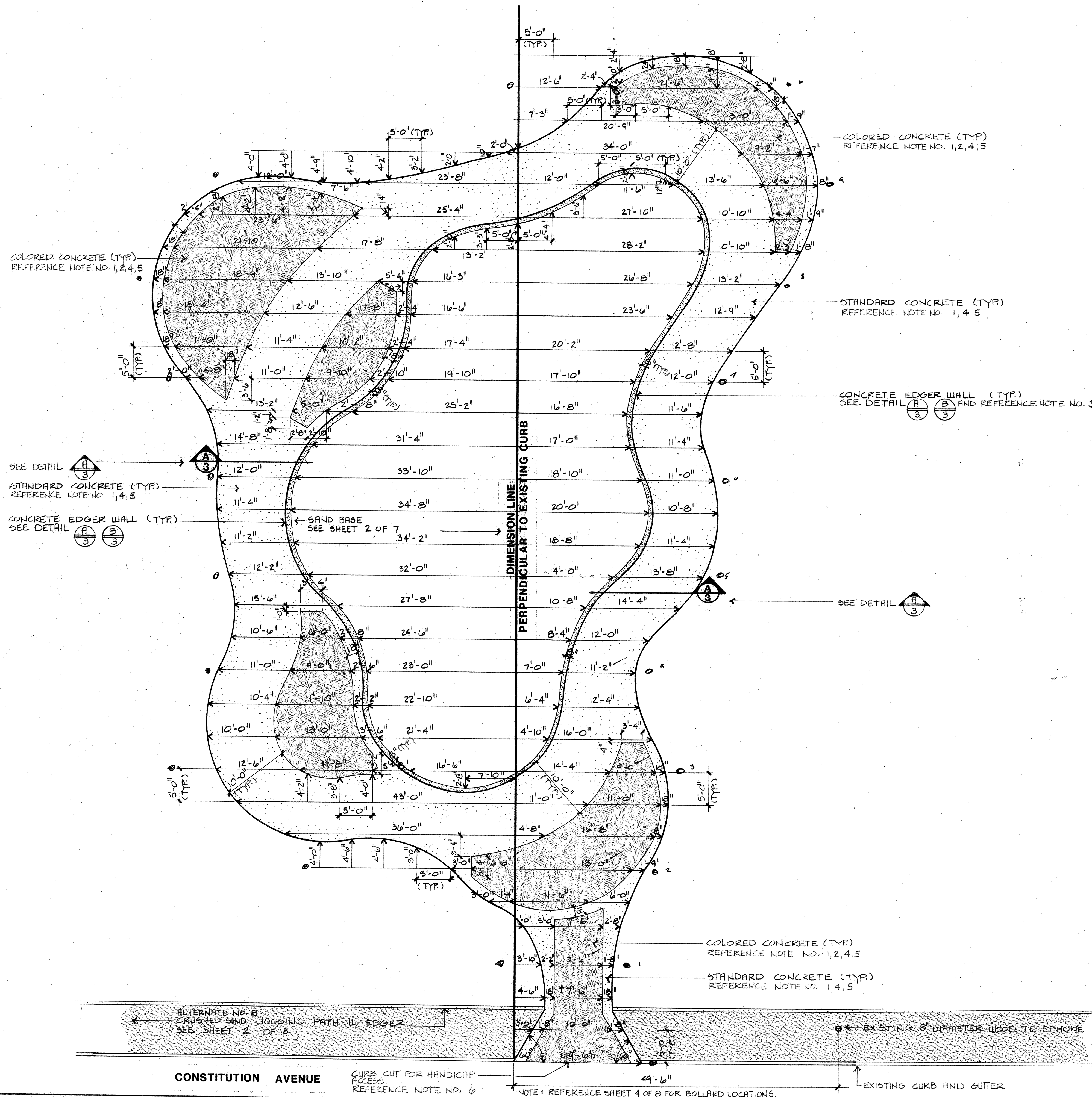
- HANDICAPPED RAMP TO MEET EXISTING GRADES AT GUTTER
- HANDICAPPED RAMP TO BE CONSTRUCTED IN ACCORDANCE W CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

C HANDICAPPED RAMP N.T.S.



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

OCTOBER 25, 1985

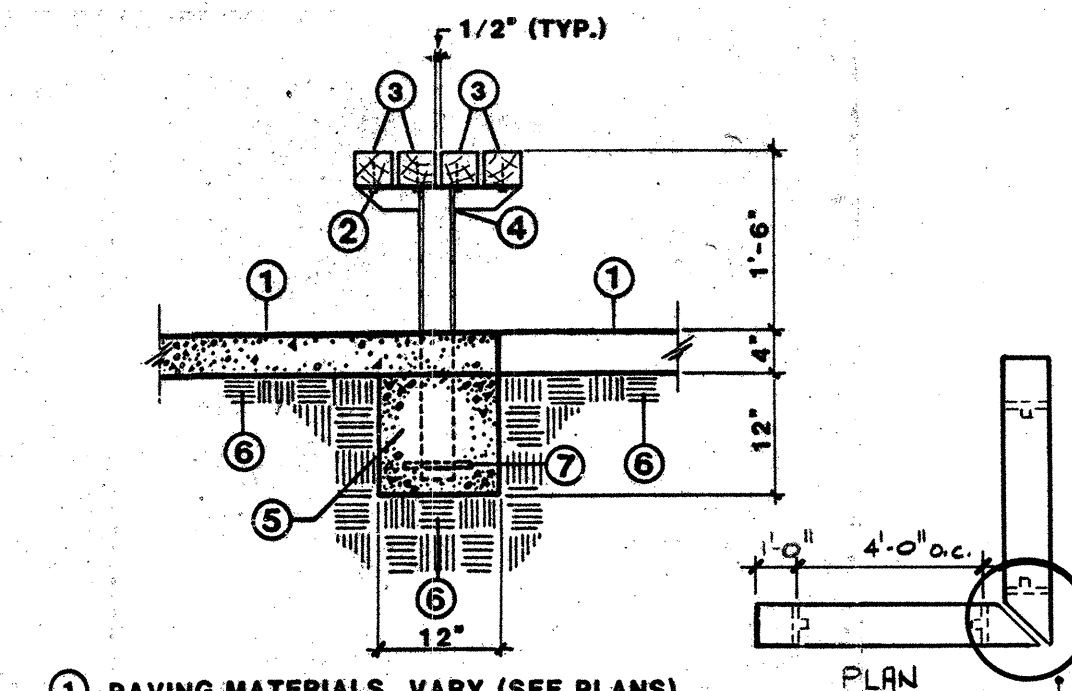


PLAY AREA ENLARGEMENT

QUANTITY	ITEM	COLOR	MODEL NO.
6	Tender Dock Assemblies	Green	3010-100
1	17" x 6" Frame of 5" diameter pipe w/ 2" post screws (Infant Series 332-100) w/ 12" belt	Blue	3022-100
1	12" belt Frame of 5" diameter pipe w/ 2" post screws (1101190) w/ 12" belt	Blue	3022-050
2	12" Frame of 5" diameter pipe w/ 2" Explorix w/ 12" Post	Blue	3024-000
1	2" Explorix w/ 12" Post	Green	3024-000
1	10" Double Wide Metal Slide w/ 5" diameter pipe both sides w/ 48" Post	Blue	3033-000
1	8" Single Wide Metal Slide w/ 5" diameter pipe both sides w/ 48" Post	Blue	3033-000
1	5" Slammer pipe Arch Climber w/ 48" Post	Blue	3040-000
1	Fireman's Pole	Orange	3041-000
1	Churning Bar (no post)	Orange	3068-000
1	Turning w/ 1" Post	Orange	3067-000
21	1 1/8" Post	Blue	3000-003
1	11"-10" Post of 5" diameter pipe w/ Caps	Orange	3000-500
2	Safety Rails	Orange	3080-000
8	Rolls	Orange	3080-000
5	Loops	Orange	3080-000

Design of PLAYGROUNDER (TYPE 1) as shown on plan. Equipment items as manufactured by Mexico Toys; available from Beech Bend Industries and Associates, Albuquerque, New Mexico. (505) 252-4458.

Install equipment according to manufacturer's instructions.



- ① PAVING MATERIALS VARY (SEE PLANS)
- ② 1/2"x3" LAG BOLT (TYP.)
- ③ 4"x4" 3/4" CLEAR, PRESSURE TREATED PIN
(LENGTH AS SPECIFIED ON PLAN)
- ④ 3"x2"x1/4" ANGLE IRON WELDED TO
3"x3"x16" STEEL SQUARE POST, 4' O.C.
- ⑤ 3000 PSI CONCRETE FOOTING
- ⑥ SUBGRADE COMPACTED TO 95%
- ⑦ 6" ANGLE IRON ANCHOR
WELDED TO 3"x3"x16" STEEL POST

- ① TREE GRATE
- ② 3000 PSI CONCRETE
- ③ TREE GRATE FRAME & ANCHOR
- ④ BUBBLER
- ⑤ SCH. 80 PVC MOLDED NIPPLE
- ⑥ SCH. 40 FITTING
- ⑦ FINISH GRADE
- ⑧ BACKFILL AS PER PLANS & SPECIFICATIONS
- ⑨ LATERAL PIPING
- 10 95% COMPACTED SUBGRADE

- ① BOLLARDS SHALL BE 8" x 8" x6'-0" SET A MAXIMUM OF 4'-0" O.C.
- ② BOLLARDS SHALL BE PRESSURE TREATED & MANUFACTURED TO STD. NEW MEXICO STATE HIGHWAY DEPARTMENT SPECIFICATIONS
- ③ 3" x 3 1/2" x1/4" L ANGLE WITH 5/8" W x 1 1/2" SLOT
- ④ OWNER SHALL PROVIDE ONE PAD LOCK W/KEY PER REMOVABLE BOLLARD
- ⑤ 3/8" ROUND ROD W/ 1" DIA. LOOP WELDED TO 1/4" x 3" STEEL PLATE FLANGE.
- ⑥ MATERIAL VARIES (SEE PLAN)
- ⑦ 95% COMPACTED SUBGRADE
- ⑧ 1/4" STEEL PLATE SLEEVE CONSTRUCTION SMOOTH WELD AT CORNERS W/ 3" FLANGE.
- ⑨ 1/2" x 3" LAG BOLT

EXISTING POWER POLE
/ CONCRETE BASE

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

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

See Sheet 2 of 7.

CONSTRUCTION NOTES:

1. Contractor shall provide a scoring pattern as shown on plan. Dimensions will in no case exceed 10 feet in any direction.
- 2a. Contractor shall install expansion joints where standard concrete abuts colored concrete and where edger wall abuts concrete. Expansion joints shall be spaced no further than 20' o.c. and shall alternate with control joints, also spaced 20' o.c. Expansion joints shall be 1/2" asphalt impregnated fiberboard and have 1/4" trimmed neatly below grade of concrete. Control joints shall be tooled to a depth of 1/2"
- b. At every expansion joint on newly

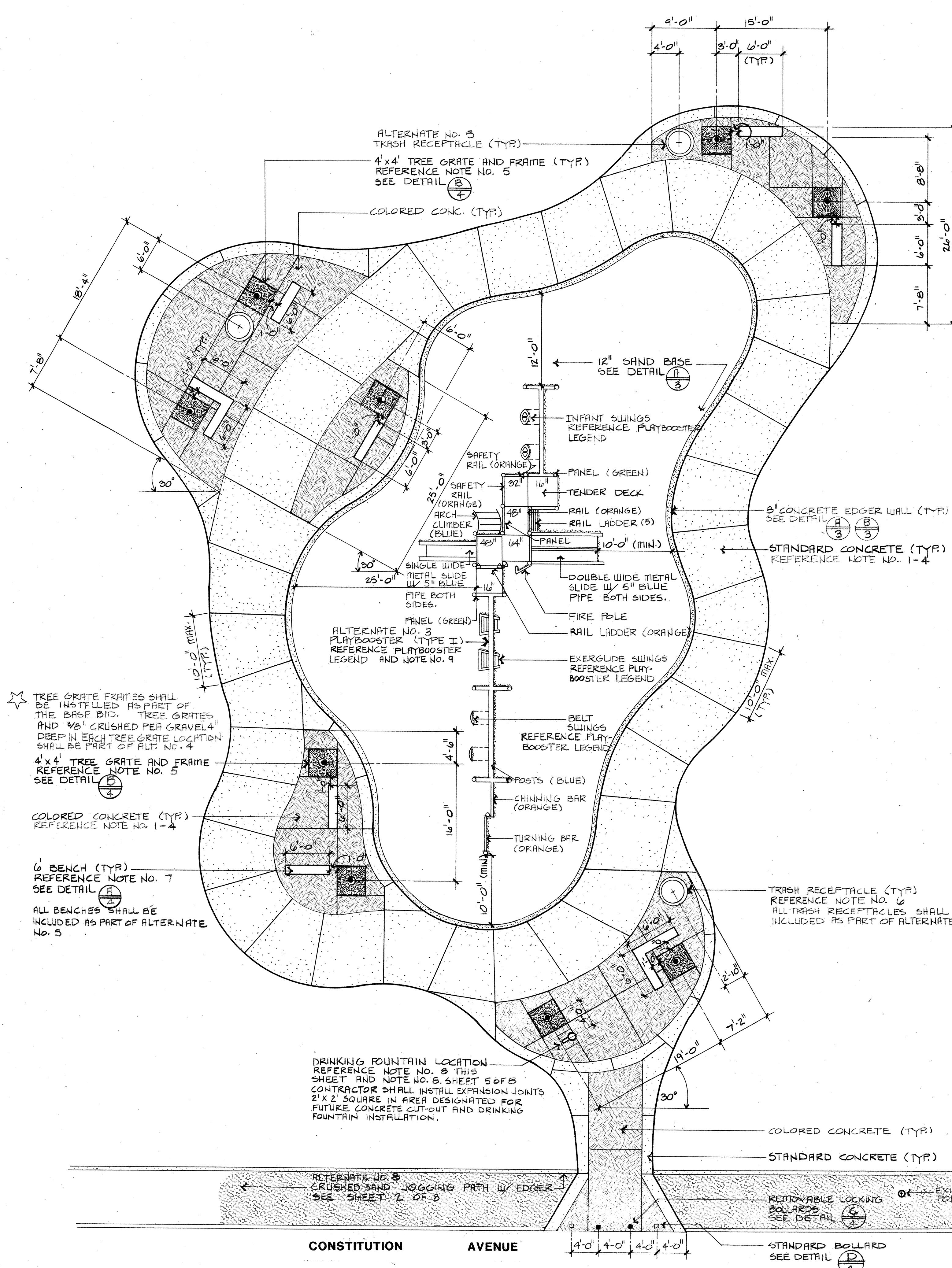
- ### CONSTRUCTION NOTES:
1. Contractor shall provide a scoring pattern as shown on plan. Dimensions will in no case exceed 10 feet in any direction.
 - 2a. Contractor shall install expansion joints where standard concrete abuts colored concrete and where edger wall abuts concrete. Expansion joints shall be spaced no further than 20' o.c. and shall alternate with control joints, also spaced 20' o.c.
Expansion joints shall be 1/2" asphalt impregnated fiberglass and have 1/4" trimmed neatly below grade of concrete. Control joints shall be tooled to a depth of 1/2"
 - b. At every expansion joint on newly poured concrete Contractor shall install 2'-0" long #4 rebar dowel 24" o.c. Typically, where rebar dowels extend through concrete slabs, dowels shall be sleeved in 1/2" diameter by 13" long rolled polyethylene tubing on one side of slab only. This sleeve will provide for positive lateral expansion and contraction of concrete.
 3. All new concrete shall have a light brown finish. Finish on first concrete pour shall be considered as a test finish, to be inspected and approved by the Landscape Architect.
 4. Dimensions on plan are for convenience to the Contractor. Adjustments in layout of construction features as required to meet minor variations in existing site dimensions shall be made in the field under the direction of the Landscape Architect.
 5. Tree guards and frames shall be #86640 180" square as manufactured by Weenah Foundry Co., available from Mountain West Inc., Albuquerque, New Mexico (505) 821-8234. Install according to manufacturer's specifications, Landscape Architect's instructions and according to detail (B) (4)
 6. Contractor shall provide three (3) trash receptacles and locate as shown on the plan. Receptacles shall be Sierra line trash receptacles with 3/8" exposed aggregate band, with attached flat aluminum hood. Receptacle shall be anchored in-place according to manufacturer's specifications. Receptacles as manufactured by Materials Inc., Albuquerque, New Mexico (505) 345-7765.
 - 7a. All exposed steel on benches shall be finished with two (2) coats primer and two (2) coats flat black enamel.
 - b. Bench cantilever shall be 2'-0" (typical).
 - c. Maximum leg spacing shall not exceed 4'-0" o.c. Contractor shall space legs equidistant from one another.
 - d. Pine slats shall be finished with two (2) coats of mixture consisting of 50% boiled linseed oil and 50% mineral spirits.
 - e. For corner benches, mitered corners shall be smooth cut and uniform with an even 1/2" gap.
 8. Drinking fountain location as shown on plan. Contractor is responsible for providing shut-off only. City of Albuquerque, Parks and Recreation will provide and install drinking fountain.
 9. Alternate No. 3 = Consists of performing the work specified and shown on the drawings for the installation of the play structure.

DENNIS C. WILKINSON AND ASSOCIATES
DCW
LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING
P.O. BOX 1542 505/897-7430
CORRALES, NEW MEXICO 87048

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer	<i>[Signature]</i>	1/10/84	Liquid Waste	NIA 32
A.C.E. - Design	<i>[Signature]</i>	12/84	Traffic	D.A. Banks
A.C.E. - Hydrology	<i>[Signature]</i>	12/84	Water	NIA 32
<i>[Signature]</i>	<i>[Signature]</i>	1/10/84		

DRAWING NO. 2378	MAP NO. J-19Z	SHEET 4
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OCTOBER 25, 1985



PLAY AREA ENLARGEMENT

RAINBIRD ISC-24 Independent Station Computer Controller. Controller shall be equipped with one (1) TRC Systems EM 37 Permanent Controller Connector with housing and connector key, as well as one (1) ISC-RC Remote Control Interface. For controller and additional equipment referenced specifications Section 2441-9-4.12 **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

PEGLER 1" Bronze Gate Valve. Model B-68 IPS.
See detail **E**

PEGLER 4" 150# Ring Gasket Valve 702A.
See detail **E**

EXISTING 8" Cast Iron Mainline

NEW 4" SOCKET PVC MAINLINE. Depth of bury shall be 2'-8" 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.

WATERVALVE ASSEMBLY. See detail **A**

Assembly includes:

1. RAINBIRD EGV-400-NFC Cast Iron Flanged Electric Valve.
2. CASH ACM VBA-3" Atmospheric Vacuum Breaker Backflow Preventer.
3. HYDRO-RATE 102-IFC. Size 1". Normally Open Valve.
4. **TORO SERIES 640-Gear Driven Rotary (1) 642-02-44 MINORAL DESIGN**
PEGLER 1/2" Bronze Gate Valve. Model B-68 IPS. See detail **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 End. 1" Female Inlet Thread x 3/4" Male Hose Thread.

RAINBIRD RBV-500 Combination Air Vent/Vacuum Relief and Continual Acting Vent Valve. (Inlet 1" NPT)
See detail **G**

RAINBIRD EP-F Plastic Electric Angle Valve.
See detail **B**

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"	40.0
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"	39.0

TORO SERIES 640 - Gear Driven Rotary
See detail **A**

Model No.	PSI	GPM	Radius	P _R
642-02-41	40	6.0	47"	.38
642-02-41	40	9.5	48"	.76
644-02-41	40	9.5	48"	.38
642-02-42	40	12.0	52"	.41
SPECIAL ODD ARCS		6.0	47"	.25
640-02-40-127°	40	6.0	47"	
640-02-42-238°	40	12.0	52"	

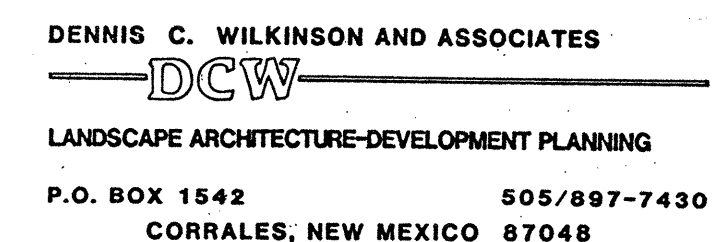
TORO SERIES 570 - Lawn Spray
See detail **A**

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' F	1.36

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

1. 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.
2. Control wires shall be identified with E-Z Coder WDR Series Tape at each valve and at the controller. Labels shall be numbered on the "as-built" drawings.
3. At the completion of the project, Contractor shall coordinate final controller program with City of Albuquerque Parks and Recreation Maintenance Supervisor.
4. 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.
5. The City of Albuquerque Water Systems Division, Water Utilities Dept. is responsible for the installation of the tap 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 remove 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. (823-4200)
6. 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
7. Additive Alternate No. 1 shall consist of Valve 17, wiring, piping and bubblers in its entirety. Ref Sheet 8 of 8 for plan material which is also to be included as part of Additive Alternate No. 1.

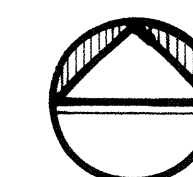
- ① Extend riser up existing pole as per PNM drawing DS-4-9.0.
- ② 100A self contained meter pedestal with (one) 1 P, 20A breaker and (two) 2 P spare mount per PNM drawing DS-19-84.0.



TITLE:
IRRIGATION AND ELECTRICAL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	<i>12/28/86</i>	Liquid Waste	<i>N/A</i>	<i>1-10-86</i>
A C E - Design	<i>[Signature]</i>	<i>1/20/87</i>	Traffic	<i>N/A</i>	<i>1-10-86</i>
A C E - Hydrology	<i>[Signature]</i>	<i>1/20/87</i>	Water	<i>[Signature]</i>	<i>1-10-86</i>
<i>Mark H. [Signature]</i>		<i>1-10-86</i>			
DRAWING NO. 2378		MAP NO. J-192		SHEET 5 OF 8	

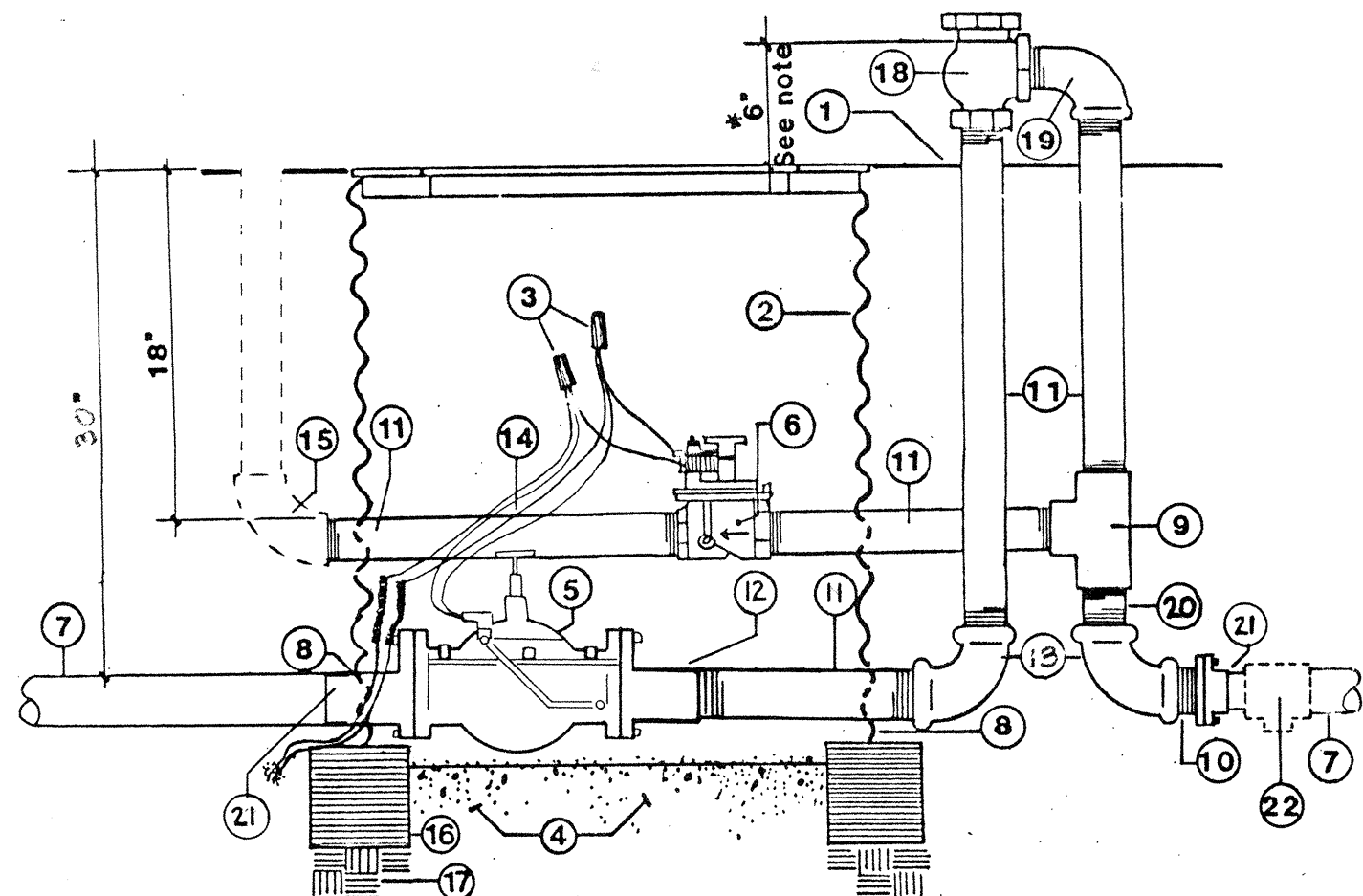
OCTOBER 25, 1985



OCTOBER 25, 1985

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	<i>1/24/06</i>	Liquid Waste	<i>[Signature]</i>	<i>1-10-06</i>
A C E - Design	<i>[Signature]</i>	<i>1/24/06</i>	Traffic	<i>[Signature]</i>	<i>1-10-06</i>
A C E - Hydrology	<i>[Signature]</i>	<i>1/24/06</i>	Water	<i>[Signature]</i>	<i>1-10-06</i>
<i>Palmer</i>	<i>[Signature]</i>	<i>1/24/06</i>			
DRAWING NO.	2378		MAP NO.	J-19Z	
			SHEET	6	OF 8

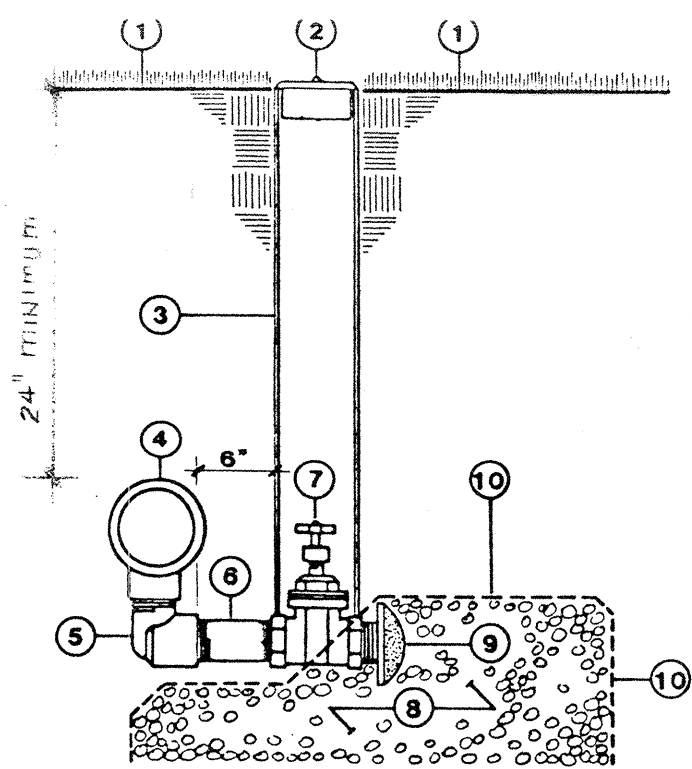
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- 1 FINISH GRADE
- 2 BASS & HAYS VALVE BOX 548 C
- 3 SPEARS DRI-SPLICE CONNECTORS
- 4 2 CUBIC FEET 1" WASHED ROCK
- 5 BRASS ELECTRIC CONTROL VALVE
- 6 1" HYDRO-RAIN NORMALLY OPEN VALVE
- 7 PVC MAIN LINE
- 8 CUT OUT FOR MAIN LINE
- 9 GALV. "T"
- 10 AMES EPOXY COATED FLANGE X TAPER ADAPTER
- 11 GALV. NIPPLE
- 12 AMES EPOXY COATED FLANGE X THREAD ADAPTER
- 13 GALVANIZED ELL
- 14 3/8" WIRE EXPANSION COIL TORO 640 ON LASCOS JOINT SHALL BE MODEL NO. 40-02-44 SEE DETAIL
- 15 8"x8"x16" SOLID CMU
- 16 95% COMPACTED SUBGRADE
- 17 ATMOSPHERIC VACUUM BREAKER
- 18 GALV. STREET ELL
- 19 4"x3" GALVANIZED BUSHING
- 20 AMES EPOXY COATED FLANGE X GASKET ADAPTER
- 21 MANUAL DRAIN SEE DETAIL B
- 22 MANUAL DRAIN SEE DETAIL B

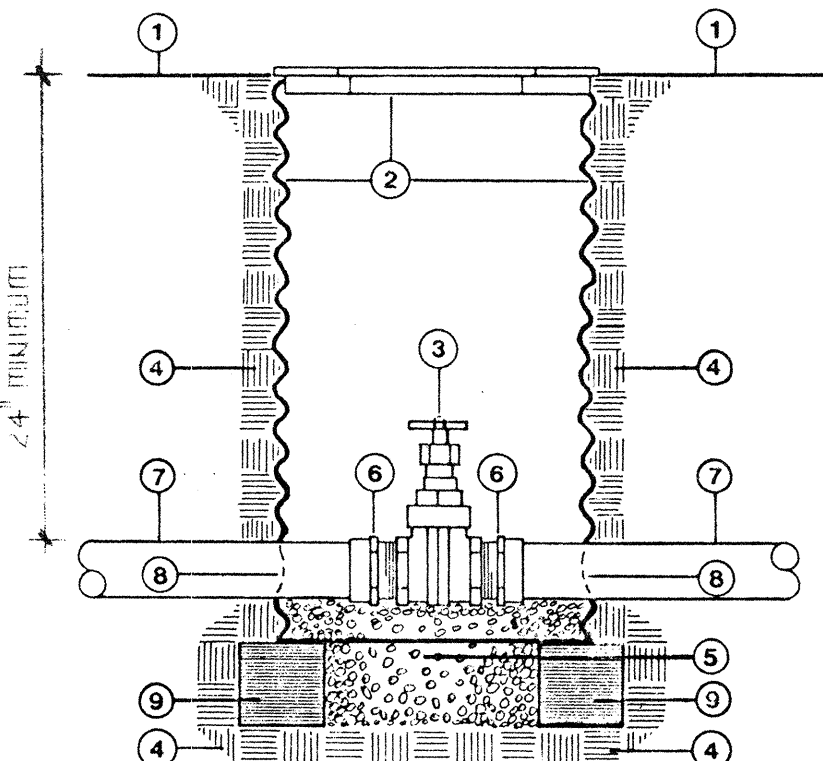
NOTE: 6" & ABOVE TWO-THIRDS OF IRRIGATION HEADS

A MASTER VALVE & VACUUM BREAKER ASSEMBLY N.T.S.



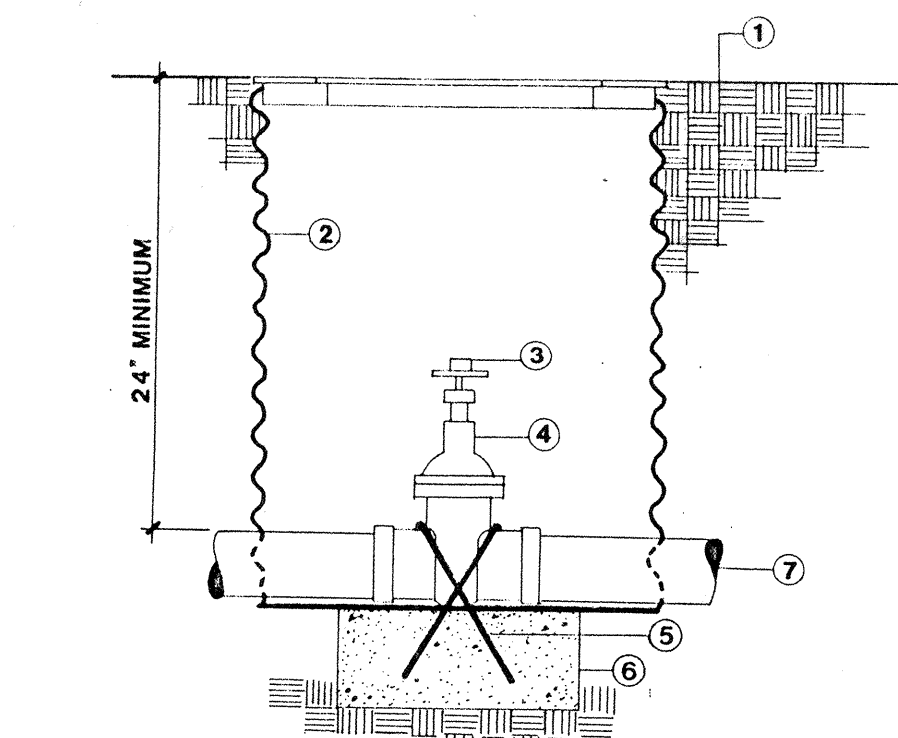
- 1 FINISH GRADE
- 2 2" LOCKING VALVE MARKER
- 3 2" CLASS 160 PVC
- 4 MAINLINE TEE
- 5 PVC STREET ELL
- 6 SCH. 80 PVC NIPPLE
- 7 BRASS GATE VALVE W/ CROSS HANDLE
- 8 2 CUBIC FEET 1 1/2" GRAVEL
- 9 KING AUTOMATIC DRAIN
- 10 6 MIL. POLYETHYLENE BLACK PLASTIC

B MANUAL DRAIN N.T.S.



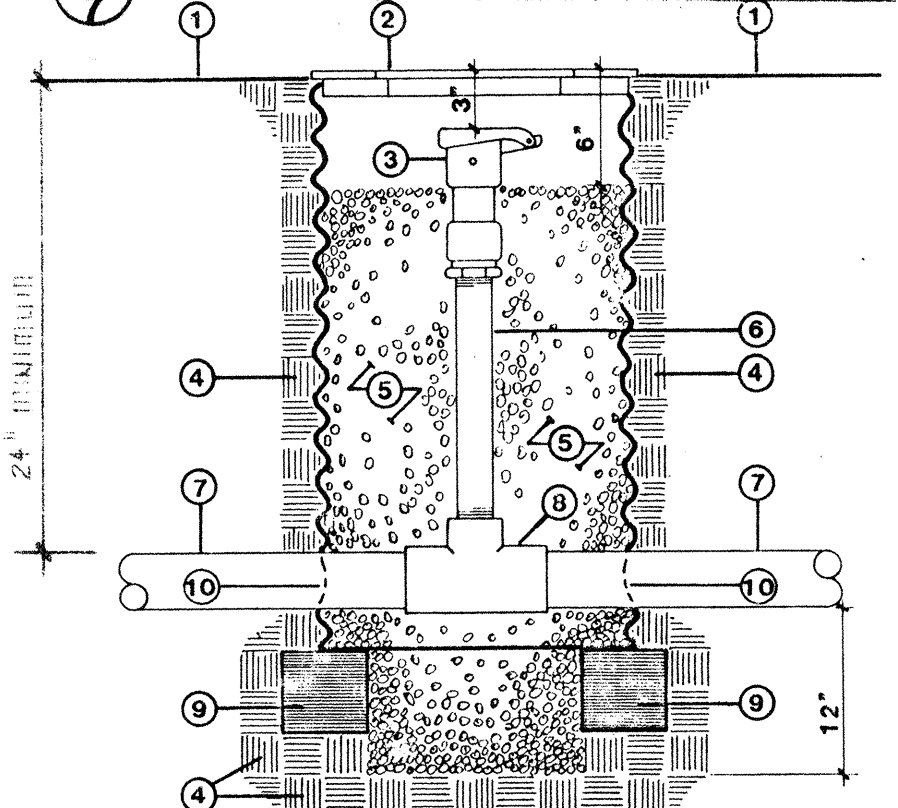
- 1 FINISH GRADE
- 2 BASS & HAYS 34" CORRUGATED STEEL VALVE BOX
- 3 PEGLER B-68 IPS GATE VALVE W/ CROSS HANDLE
- 4 SUBGRADE COMPACTED TO 95%
- 5 1" WASHED ROCK
- 6 PVC MALE ADAPTER
- 7 MAINLINE
- 8 CUT FOR MAINLINE
- 9 8"x8"x16" SOLID CMU

C BRONZE GATE VALVE ASSEMBLY N.T.S.



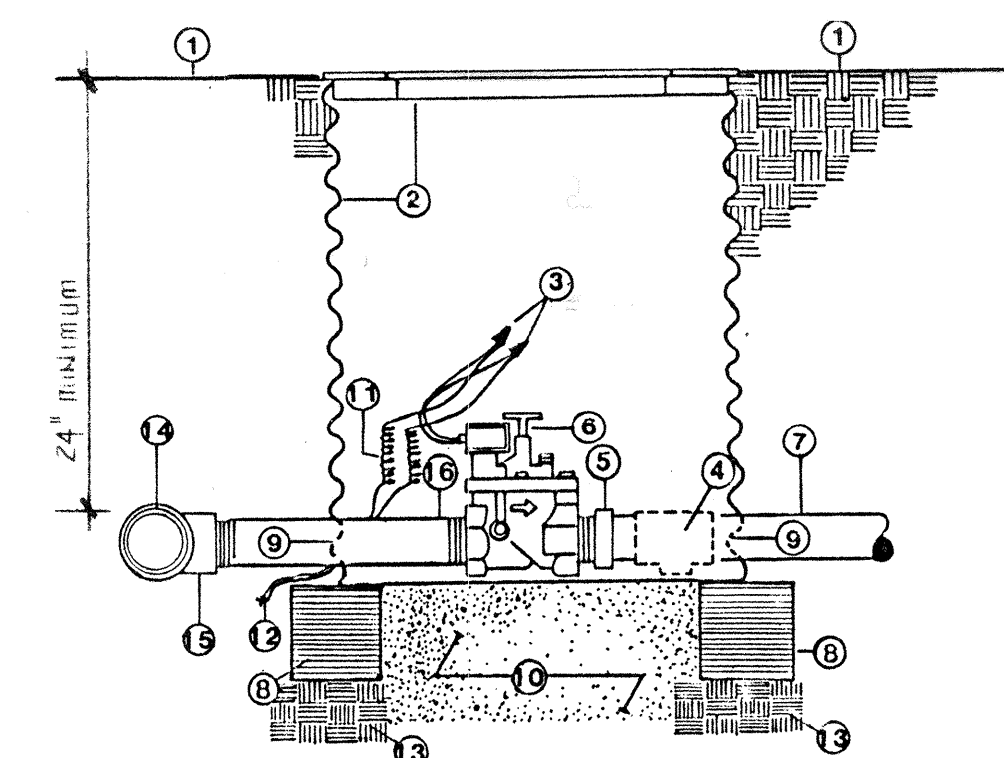
- 1 FINISH GRADE
- 2 BASS & HAYS 34-D CORRUGATED STEEL VALVE BOX
- 3 2" OPERATING NUT
- 4 PEGLER "O" RING GASKET VALVE 708 A (LINE SIZE)
- 5 NO. 4 REBAR
- 6 THRUST BLOCK 3000 PSI CONCRETE PLACED AGAINST UNDISTURBED SOIL
- 7 MAINLINE

D AUTOMATIC VALVE ASSEMBLY N.T.S.



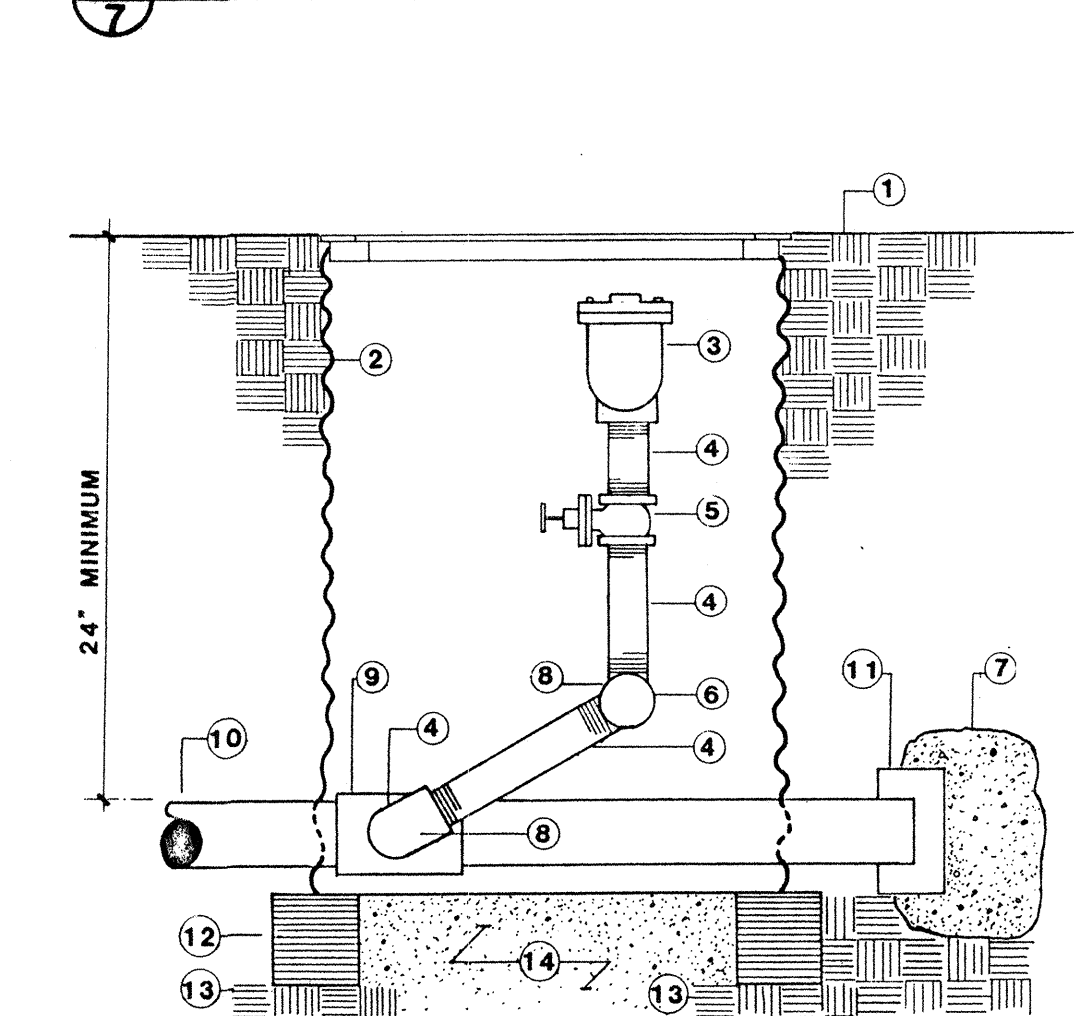
- 1 FINISH GRADE
- 2 BASS & HAYS 34" CORRUGATED STEEL VALVE BOX
- 3 QUICK COUPLING VALVE
- 4 SUBGRADE COMPACTED TO 95%
- 5 1" WASHED ROCK
- 6 SCH. 80 PVC MOLDED RISER
- 7 MAINLINE
- 8 MAINLINE 3/4" X 1/2" TEE
- 9 8"x8"x16" SOLID CMU
- 10 CUT OUT FOR MAINLINE

E QUICK COUPLING VALVE ON FIXED RISER N.T.S.



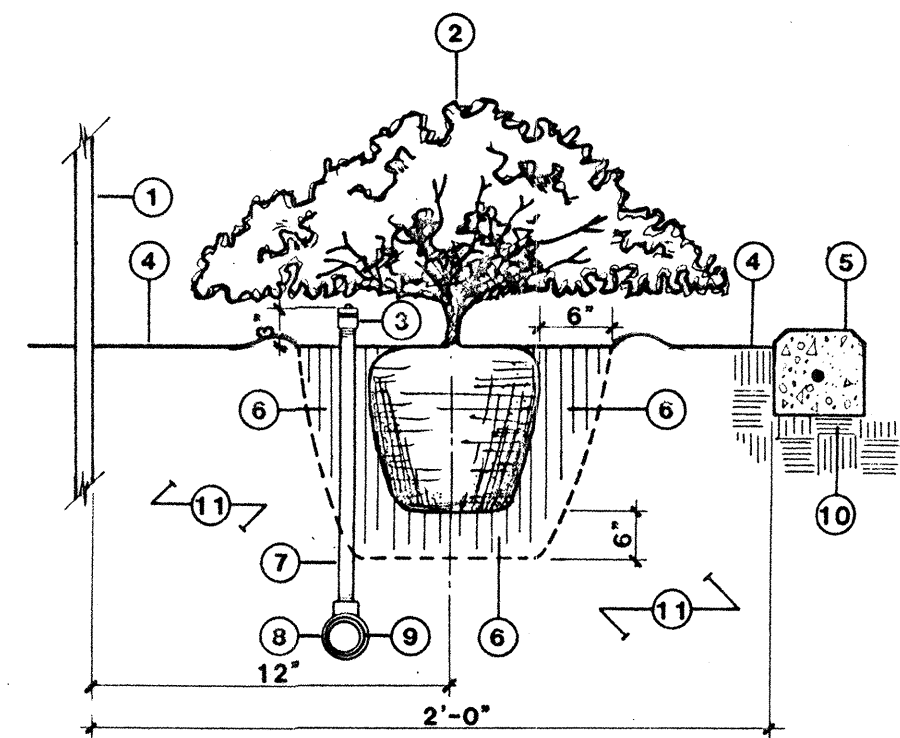
- 1 FINISH GRADE
- 2 BASS & HAYS 34-D CORRUGATED STEEL VALVE BOX
- 3 SPEARS DRI-SPLICE CONNECTORS
- 4 MANUAL DRAIN. SEE DETAIL
- 5 SCH. 40 PVC MIP ADAPTER
- 6 AUTOMATIC VALVE (SEE PLAN)
- 7 LATERAL PIPE
- 8 8"x8"x16" SOLID CMU
- 9 CUT OUT FOR LATERAL PIPE
- 10 2 CUBIC FEET 1" DIAM. WASHED ROCK
- 11 3/8" WIRE EXPANSION COIL
- 12 WIRE BUNDLE
- 13 95% COMPACTED SUBGRADE
- 14 MAINLINE
- 15 RIMS EPOXY COATED STEEL 6X6X1/2" TEE
- 16 12" GALV. NIPPLE

F AIR RELIEF VALVE N.T.S.



- 1 FINISH GRADE
- 2 BASS & HAYS 34-D
- 3 AIR RELIEF VALVE
- 4 GALVANIZED NIPPLE
- 5 GATE VALVE - 1" PEGLER
- 6 GALVANIZED ST. ELL
- 7 THRUST BLOCK
- 8 GALVANIZED 90
- 9 EPOXY COATED STEEL 6X6X1/2" TEE
- 10 MAINLINE
- 11 END CAP
- 12 8" x 8" x 16" SOLID CMU
- 13 95% COMPACTED SUBGRADE
- 14 2 CUBIC FOOT 1" WASHED ROCK

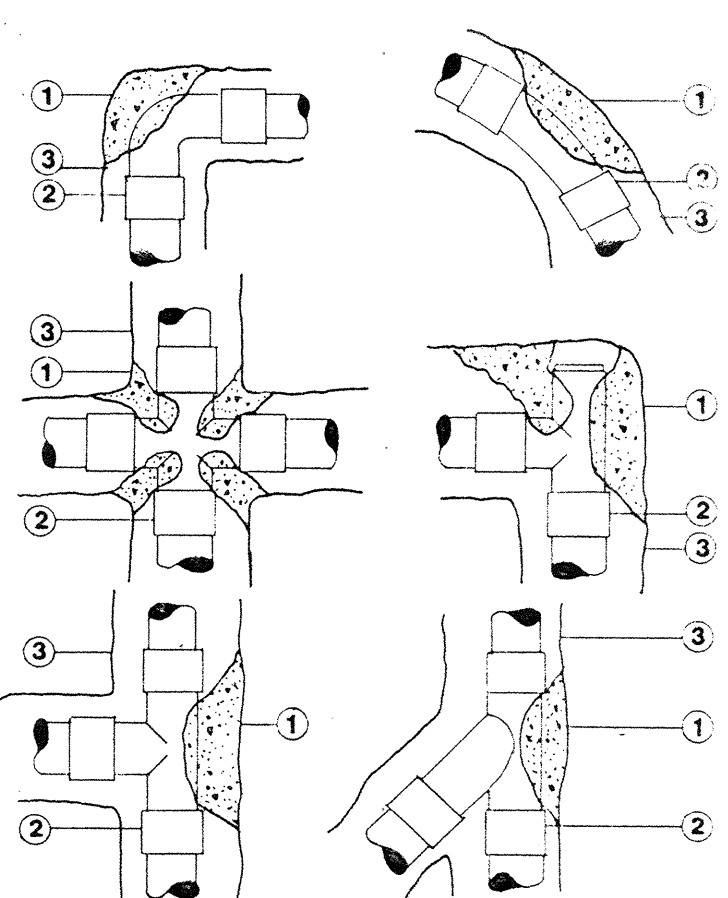
G SHRUB & BUBBLER DETAIL N.T.S.



- 1 EXISTING FENCE POST
- 2 SHRUB OR VINE
- 3 BUBBLER
- 4 FINISH GRADE
- 5 CONCRETE EDGER SEE DETAIL A
- 6 BACKFILL
- 7 SCH. 80 PVC MOLDED NIPPLE
- 8 PVC TEE
- 9 PVC LATERAL
- 10 SUBGRADE COMPACTED TO 95%
- 11 SUBGRADE

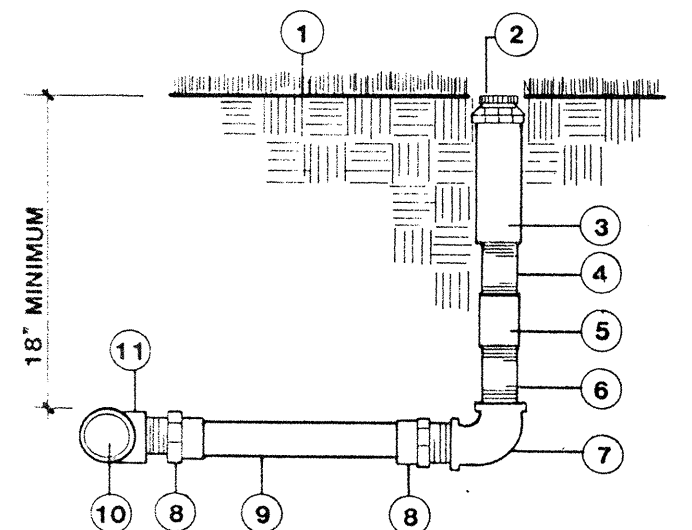
NOTES: PLANTING PITS FOR SHRUBS SHALL BE ONE FOOT GREATER IN DIAMETER THAN THE ROOTBALL AND 6" GREATER IN DEPTH THAN THE ROOTBALL. BACKFILL SHALL CONSIST OF THREE PARTS EXISTING SOIL & ONE PART PEAT MOSS. THE APPLICATION RATES OF AGRIFORM FERTILIZER TABLETS SHALL BE AS INDICATED IN SPECIFICATIONS SECTION 2490 LANDSCAPING, PARAGRAPH 3.03 PLANTING PG. 2490-3. CONTRACTOR SHALL CONSTRUCT EARTH WATER BAYN AROUND EACH PLANT BUBBLER SHALL BE WITHIN BASIN.

H THRUST BLOCK DETAIL N.T.S.



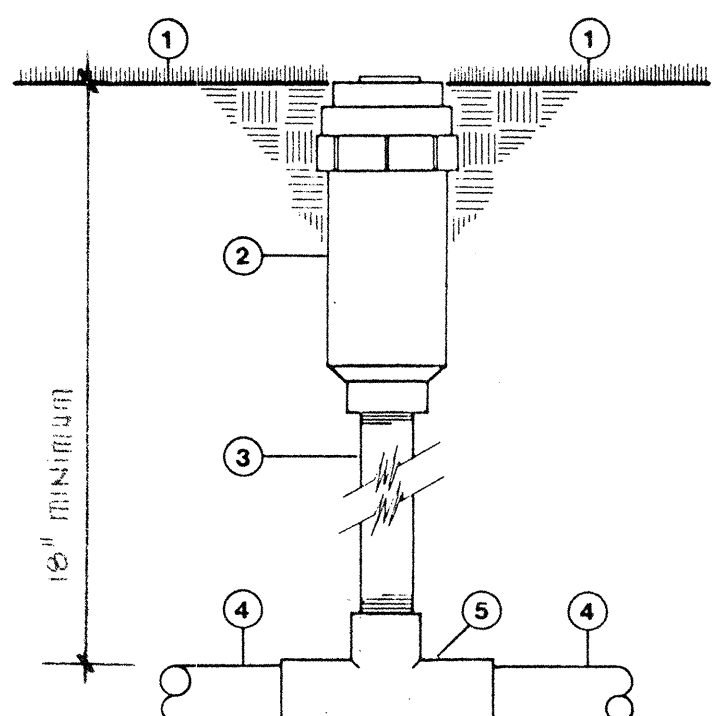
- 1 CONCRETE THRUST BLOCKS SHALL BE 3000 PSI PLACED AGAINST SOLID UNDISTURBED SOIL
- 2 PVC PIPE AND EPOXY COATED STEEL FITTING
- 3 PIPE TRENCH
- 4 FINISH GRADE
- 5 RUBBER COVER
- 6 TORO 640
- 7 GALVANIZED CLOSE NIPPLE
- 8 GALVANIZED COUPLING
- 9 GALVANIZED RISER (8")
- 10 GALVANIZED ELL
- 11 PVC MIP ADAPTER
- 12 PVC FLEX HOSE (12")
- 13 LATERAL PIPE
- 14 PVC 5x5x1 TEE

I TORO 640 W/ FLEX HOSE RISER ASSEMBLY N.T.S.



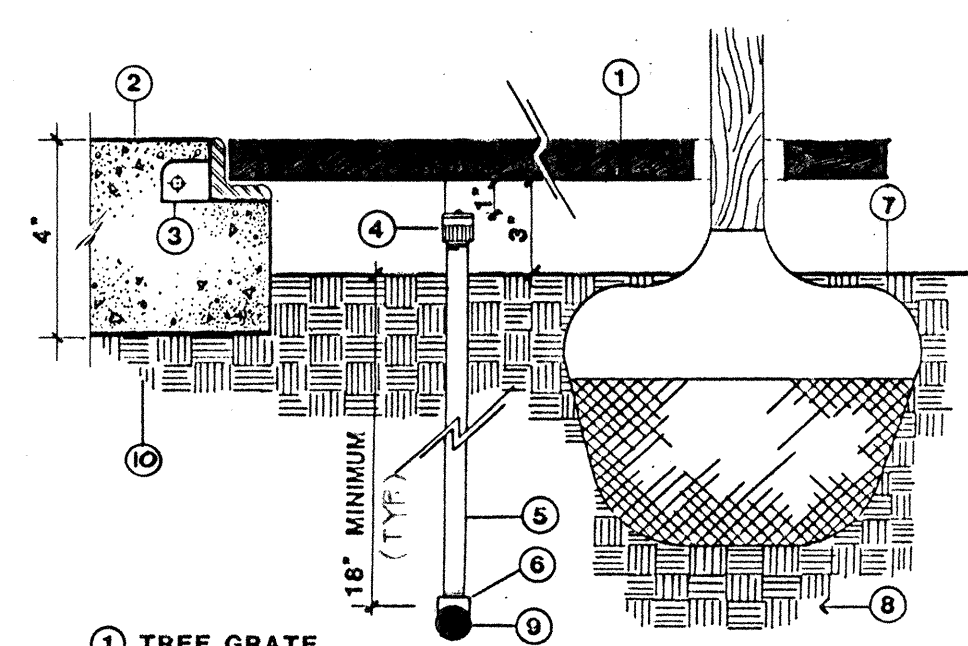
- 1 FINISH GRADE
- 2 RUBBER COVER
- 3 TORO 640
- 4 GALVANIZED CLOSE NIPPLE
- 5 GALVANIZED COUPLING
- 6 GALVANIZED RISER (8")
- 7 GALVANIZED ELL
- 8 PVC MIP ADAPTER
- 9 PVC FLEX HOSE (12")
- 10 LATERAL PIPE
- 11 PVC 5x5x1 TEE

J FIXED SPRAY POP-UP SPRINKLER N.T.S.



- 1 FINISH GRADE
- 2 FIXED SPRAY POP-UP (SEE PLAN)
- 3 SCH. 80 PVC MOLDED NIPPLE
- 4 PVC LATERAL PIPING
- 5 PVC FITTING

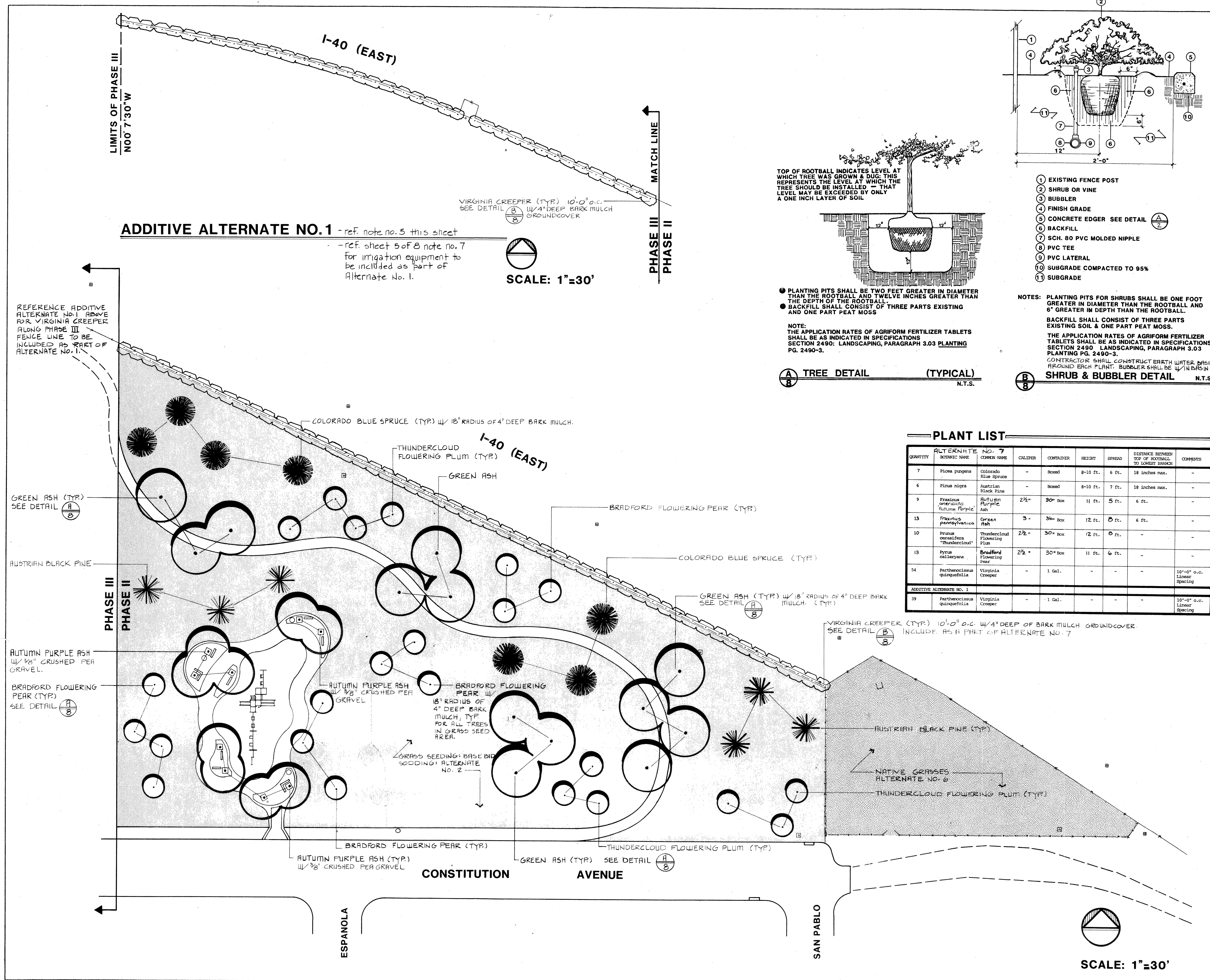
K TREE GRATE AND BUBBLER N.T.S.



- 1 TREE GRATE
- 2 3000 PSI CONCRETE
- 3 TREE GRATE FRAME & ANCHOR
- 4 BUBBLER
- 5 SCH. 80 PVC MOLDED NIPPLE
- 6 SCH. 40 FITTING
- 7 FINISH GRADE
- 8 BACKFILL AS PER PLANS & SPECIFICATIONS
- 9 LATERAL PIPING
- 10 95% COMPACTED SUBGRADE

L SHRUB & BUBBLER DETAIL N.T.S.

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL																											
CONTRACTOR	INSPECTOR'S	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE																								
DENNIS C. WILKINSON AND ASSOCIATES DCW LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING P.O. BOX 1542 505/897-7430 CORRALES, NEW MEXICO 87046 CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION TITLE: IRRIGATION DETAILS <table border="1"> <thead> <tr> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td></td> <td></td> <td>Liquid Waste</td> <td></td> <td></td> </tr> <tr> <td>A.C.E.-Design</td> <td></td> <td>1/20/86</td> <td>Traffic</td> <td></td> <td></td> </tr> <tr> <td>A.C.E.-Hydrology</td> <td></td> <td>1/20/86</td> <td>Water</td> <td></td> <td></td> </tr> </tbody> </table> DRAWING NO. 2378 MAP NO. J-192 SHEET 7 OF 8 OCTOBER 25, 1985																APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer			Liquid Waste			A.C.E.-Design		1/20/86	Traffic			A.C.E.-Hydrology		1/20/86	Water		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																																		
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A.C.E.-Design		1/20/86	Traffic																																				
A.C.E.-Hydrology		1/20/86	Water																																				



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 dug 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. 6: 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 916.
- 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 these 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.

DENNIS C. WILKINSON AND ASSOCIATES
DCW
LANDSCAPE ARCHITECTURE-DEVELOPMENT PLANNING
P.O. BOX 1542 505/897-7430
CORRALES, NEW MEXICO 87048

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>	1/20/85
A.C.E.-Design	<i>[Signature]</i>	1/20/85	Traffic	<i>[Signature]</i>	1/20/85
A.C.E.-Hydrology	<i>[Signature]</i>	1/20/85	Water	<i>[Signature]</i>	1/20/85

DRAWING NO. 2378 **MAP NO. J-192** **SHEET 8 OF 8**

OCTOBER 25, 1985

