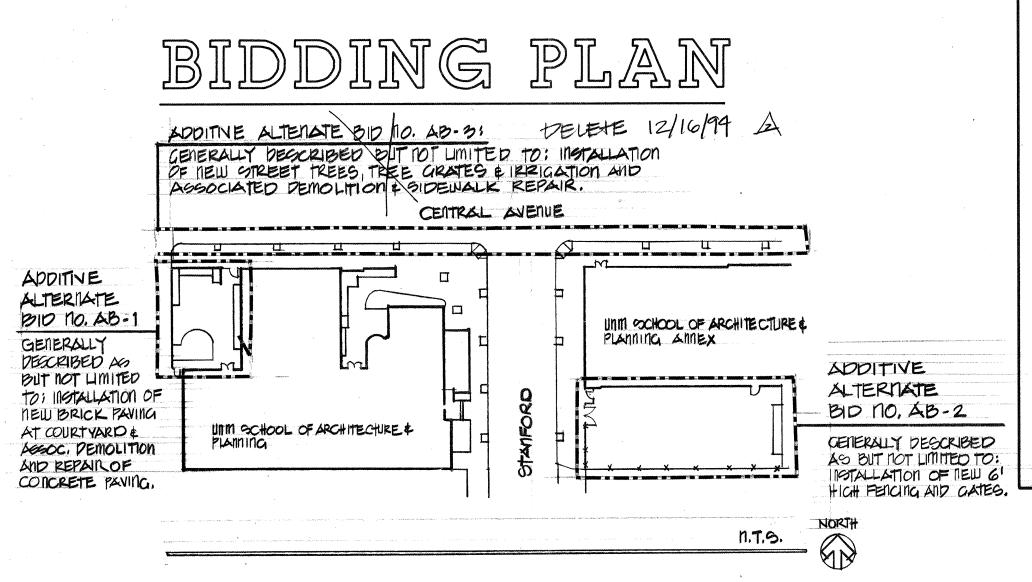
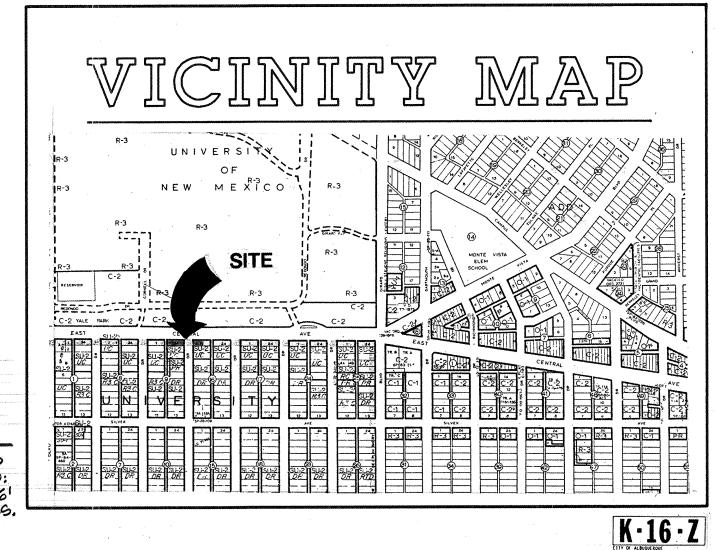
# LANDSCAPE IMPROVEMENTS FOR

# THE UNIVERSITY OF NEW MEXICO SCHOOL OF ARCHITECTURE AMD PLAMME

2414 CENTRAL AVE. S.E. ALBUQUERQUE, NEW MEXICO





# INDEX OF DRAWINGS

COVER SHEET

- DEMOLITION & CONSTRUCTION PLAN
- IRRIGATION PLAN, LEGEND & NOTES
- PLANTING PLAN, PLANT LIST & NOTES
- IRRIGATION DETAILS
- CONSTRUCTION & PLANTING DETAILS



University of New Mexico UNM PROJECT NO. 7-10867

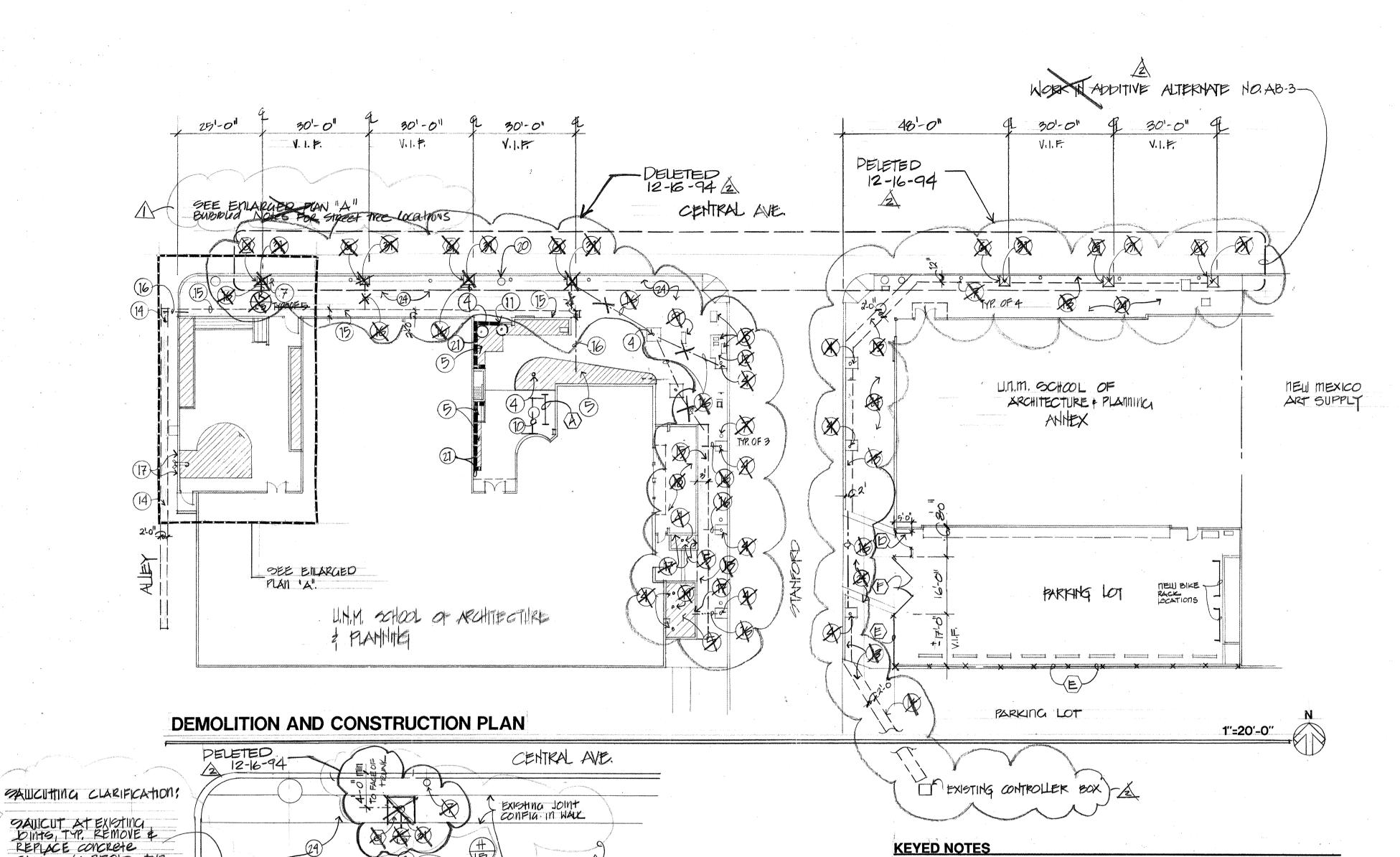
CITY OF ALBUQUEROUE PUBLIC WORKS DEPARTMENT A 12/16/94 **ENGINEERING GROUP** DRC REVISIONS TITLE: LANDSCAPE IMPROVEMENTS FOR AS BUILT INFORMATION THE UNIVERSITY OF MEW MEXICO SCHOOL OF ARCHITECTURE & PLANNING ONTRACTOR BACAS TREES ENGINEER DATE APPROVALS ENGINEER DATE WORK STAKED BY N/A DRC CHAIRMAN B. Q. Yorky 12/22/94 WATER
TRANSPORTATION (Change 12/08-94 WASTE WATER WATER HYDROLOGY WASTE WATER 12/9/94 ACCEPTANCE BY ARU DATE 10/95 PRELID VERBFICATION BY BACAS TREES DATE 10/95 DRAWNOS CORRECTED BY BACAS TYCES DATE 10/95 MICRO-FILM INFORMATION OF G PROJECT 5091.90 MAP K-16

APPROVED FOR

MORROW & COMPANY LANDSCAPE ARCHITECTS 210 La Veta Drive NE Albuquerque, New Mexico 87108 505 268-2266

SHEET NO.

1)(REVISIONS PER D.R.C. REVIEW COMMEN+5 11/30/94



stones AS REQ'D, TYP.

PLANTER

ENLARGED PLAN "A"

1/8" = 1'-0"

# **KEYED NOTES**

# BASE BID WORK

- REMOVE EXISTING SCULPTURES AND SITE AMENITIES, STOCKPILE AND RE-INSTALL PER OWNER'S DIRECTION IN NEW FENCED AREA SOUTH OF ANNEX.
- SAND AND REFINISH EXISTING WOOD BENCHES WITH 2 COATS OF CLEAR SEALER.
- EXISTING METAL FENCE AND GATE TO REMAIN. PROTECT FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION.
- PROTECT EXISTING TREES OR SHRUB TO REMAIN DURING DEMOLITION, CONSTRUCTION AND PLANTING.
- REMOVE ALL EXISTING PLANTINGS EXCEPT ITEMS NOTED OTHERWISE. PREPARE AREA TO RECEIVE NEW PLANTINGS AS SHOWN IN PLANTING PLAN.

PROTECT EXISTING SIGN TO REMAIN DURING DEMOLITION, CONSTRUCTION AND

- PLANTING. EXISTING PARKING METER TO REMAIN. PROTECT FROM DAMAGE DURING DEMOLITION, CONSTRUCTION AND PLANTING. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S
- EXISTING TRAFFIC SIGNAL EQUIPMENT TO REMAIN. PROTECT FROM DAMAGE DURING DEMOLITION, CONSTRUCTION AND PLANTING. ANY DAMAGE SHALL BE REPAIRED AT
- EXISTING PUBLIC PAY TELEPHONES TO REMAIN. PROTECT FROM DAMAGE DURING DEMOLITION, CONSTRUCTION AND PLANTING. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- REMOVE EXISTING BIKE RACKS AND RE-INSTALL IN CONCRETE FOOTINGS SOUTH OF ANNEX BUILDING IN NEW FENCED AREA.
- TRANSPLANT EXISTING JAPANESE BLACK PINE TO MAIN CAMPUS AS DIRECTED BY UNM DEPARTMENT OF FACILITY PLANNING.
- ADD 4" DEPTH OF SHREDDED BARK IN SIGNAL PIT.

CONTRACTOR'S EXPENSE.

- SAWCUT AND REMOVE EXISTING CONCRETE WALK, WIDTH AS SHOWN. PREPARE TO INSTALL NEW IRRIGATION LINES AND SLEEVES, SEE IRRIGATION DRAWINGS. REPAIR WALK WITH NEW CONCRETE, INSTALL FLUSH WITH EXISTING SURROUNDING SURFACES TO REMAIN. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO SAW CUTTING, REMOVAL OF CONCRETE AND TRENCHING FOR IRRIGATION.
- SAWCUT AND REMOVE EXISTING ASPHALT PAVING IN ALLEY, WIDTH AS SHOWN. PREPARE TO INSTALL NEW IRRIGATION LINES AND SLEEVES, SEE IRRIGATION DRAWINGS. REPAIR AREA WITH NEW ASPHALT TO MATCH EXISTING, INSTALL FLUSH WITH EXISTING SURROUNDING SURFACES TO REMAIN. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO SAWCUTTING, REMOVAL OF ASPHALT AND TRENCHING FOR
- REMOVE EXISTING CONCRETE SIDEWALK STONES, WIDTH AS SHOWN. PREPARE TO INSTALL NEW IRRIGATION LINES AND SLEEVES, SEE IRRIGATION DRAWINGS. REPAIR AREA WITH NEW CONCRETE, INSTALL FLUSH WITH SURROUNDING SURFACES TO REMAIN. INSTALL WITH BROOM FINISH AND TROWELLED EDGE TO MATCH EXISTING ADJACENT CONCRETE SIDEWALK. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO REMOVAL OF CONCRETE AND TRENCHING FOR IRRIGATION.
- PNUEMATIC BORE UNDER EXISTING CONCRETE SIDEWALKS AND DRIVES TO INSTALL IRRIGATION SLEEVES AND LINES IN THIS AREA, SEE IRRIGATION DRAWINGS. CONTRCTOR

### **GENERAL NOTES**

- CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION AND CONSTRUCTION. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE AND AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY ITEMS TO REMAIN WHICH ARE DAMAGED DUE TO CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

#### **EQUIPMENT NOTES**

#### BASE BID

UNM STANDARD BIKE RACK MODEL #MP-4113 SECURITY BIKE RACK AS MANUFACTURED BY ARIZONA CORRECTIONAL INDUSTRIES, 1918 W. VAN BÜREN, PHOENIX, AZ 85005 ATTENTION: NANCY ALLAIRE, (602) 255-1464. COLOR: BLACK POWDERCOAT FINISH.

#### ADDITIVE ALTERNATE NO. AB-1

- INSTALL (1) OWNER PROVIDED SINGLE PEDESTAL SQUARE TABLE IN CONCRETE FOOTING PER MANUFACTURER'S RECOMMENDATION.
- INSTALL (1) OWNER PROVIDED SINGLE PEDESTAL SQUARE TABLE IN CONCRETE FOOTING PER MANUFACTURER'S RECOMMENDATION.

#### ADDITIVE ALTERNATE NO. AB-2

- 4' WIDE x 6' HIGH SWINGING GATE STYLE MATERIAL AND COLOR TO MATCH FENCING. INSTALL IN CONCRETE FOOTINGS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE COMPLETE WITH PANIC BAR AT INTERIOR SIDE AND CYLINDER LOCK AND PULL AT OUTSIDE. KEY CYLINDER TO MATCH EXISTING CYLINDER AT ANNEX.
- 6' HIGH POWDER COATED METAL FENCING AS MANUFACTURED BY OMEGA FENCE SYSTEMS INC. AND DISTRIBUTED BY NATIONAL WHOLESALE (1-800-367-5685) INSTALL ON EXISTING CONCRETE CURB AND IN NEW CONCRETE FOOTINGS PER
- MANUFACTURER'S RECOMMENDATION. COLOR: BLACK.
- PROVIDE A PAIR OF 6' H x 6' WIDE SWINGING GATES FOR VEHICLE ACCESS. STYLE, MATERIAL AND COLOR TO MATCHING FENCING. INSTALL IN CONCRETE FOOTINGS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE COMPLETE WITH METAL TABS FOR PADLOCK AND ROD. DRILL HOLE FOR ROD INTO EXISTING CONCRETE

#### ADDITIVE ALTERNATE NO. AB-3

- MODEL B-TG729-1 36" x 36" SQUARE TREE GRATE AS MANUFACTURED BY BARRYCRAFT AND AS DISTRIBUTED BY H & H BUILDING PRODUCTS (505) 344-1747. INSTALL WITH FRAME IN CONCRETE SIDEWALK PER MANUFACTURER'S RECOMMENDATIONS.
- BORE THROUGH EXISTING STUCCOED PLANTER WALL AS REQUIRED TO INSTALL NEW IRRIGATION LINES AND SLEEVES, SEE IRRIGATION DRAWINGS. PROTECT PLANTER AND STUCCO FINISH FROM DAMAGE DURING CONSTRUCTION. REPAIR ANY DAMAGE TO WALL AND STUCCO FINISH AT NO COST TO THE OWNER. SEAL BORED OPENING WITH WATERPROOF SEALANT.
- REMOVE AND RE-INSTALL EXISTING WOOD DECKING AS REQUIRED TO INSTALL NEW WISKEY BARRELL PLANTERS AND NEW DRIP IRRIGATION SYSTEM. REINFORCE EXISTING DECK STRUCTURE AS REQUIRED TO SUPPORT NEW WHISKEY BARRELL PLANTERS.
- REMOVE EXISTING AILANTHUS TREE.
- EXISTING OVERHEAD STREET LIGHT AND OVERHEAD POWER LINES TO REMAIN.
- INSTALL WATERPROOFING MEMBRANE AT BUILDING WALL. WRAP AROUND SIDES OF PLANTER AS SHOWN IN PLAN. SEE DETAIL F/L5.
- SAWCUT AND REMOVE EXISTING CONCRETE CURB AS SHOWN. PREPARE AREA TO RECEIVE NEW CONCRETE SLAB. TOP OF SLAB SHALL BE FLUSH W/ ADJACENT SURROUNDING TOP OF SLAB.
- INSTALL NEW CONCRETE CURBING AS SHOWN. TOP OF NEW CURB SHALL BE FLUSH WITH ADJACENT TOP OF CURB. SEE DETAIL M/L5.
- EXISTING CONCRETE WALKS TO REMAIN PROTECT FROM DAMAGE DURING DEMOLITION, CONSTRUCTION AND PLANTING. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTOR'S

# ADDITIVE ALTERNATE NO. AB-1

- SAWCUT AND REMOVE EXISTING CONCRETE. INSTALL NEW 4" CONCRETE SLAB AND BRICK PAVERS PER DETAIL D/L5. SLOPE AS REQUIRED TO MATCH ADJACENT GRADES. SLOPE SHALL NOT EXCEED 1 IN 20. TOP OF NEW BRICKS SHALL BE FLUSH WITH TOP OF ADJACENT BRICK OR CONCRETE TO REMAIN. PROVIDE EXPANSION JOINT WHERE NEW CONCRETE MEETS EXISTING ADJACENT SURFACES.
- REMOVE EXISTING DOOR THRESHOLD AND RE-INSTALL AFTER BRICK HAS BEEN
- LAY BRICK IN RUNNING BOND (AS SHOWN IN INSERT) IN ALL SHADED AREAS.
- LAY SAILOR COURSE OF BRICKS ALONG TOP OF PLANTER CURBING. MITER ALL CORNERS. SEE DETAIL J/L5.
- LAY SAILOR COURSE OF BRICKS ALONG EDGE OF PLANTER BED AS SHOWN, SEE DETAIL
- REMOVE AND RELOCATE EXISTING PICNIC TABLES TO SOUTH OF ANNEX BUILDING IN NEW FENCED AREA. INSTALL NEW PICNIC TABLES IN CONCRETE FOOTINGS. NEW PICNIC TABLES TO BE SUPPLIED BY OWNER.

### ADDITIVE ALTERNATE NO. AB-3

SAWCUT AND REMOVE CONCRETE. PREPARE AREA TO RECEIVE NEW TREE GRATE. INSTALL TREE GRATE PER MANUFACTURER'S DIRECTION.

DRC REVISIONS

DATE 10/95

CPN-5091.90

AS BUILT INFORMATION

VERIFICATION BY BACAS TREES DATE 10/95

CORRECTED BY BACAS TREES DATE 10/95

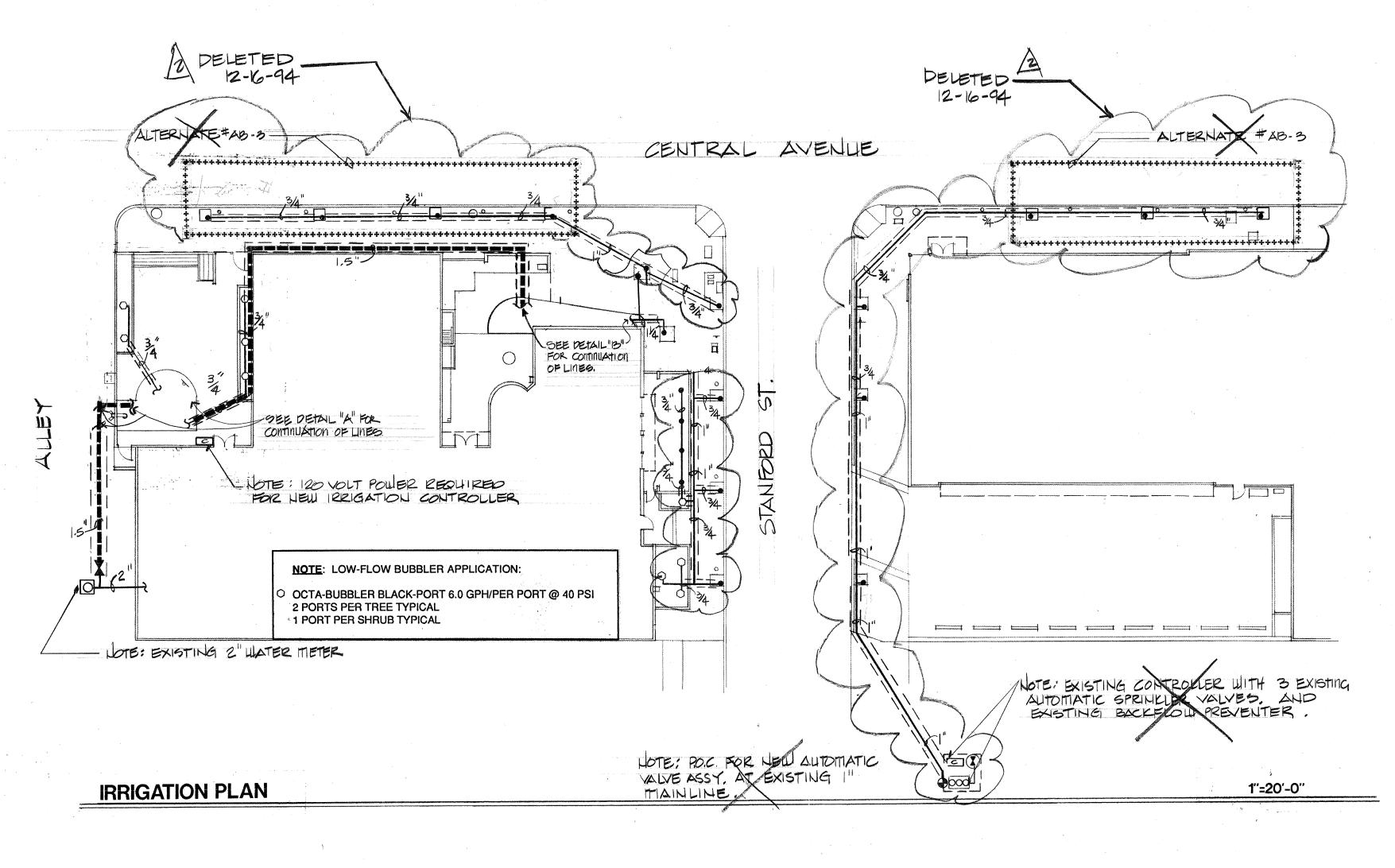
MICRO-FILM INFORMATION

CONTRACTOR BACAS TREES

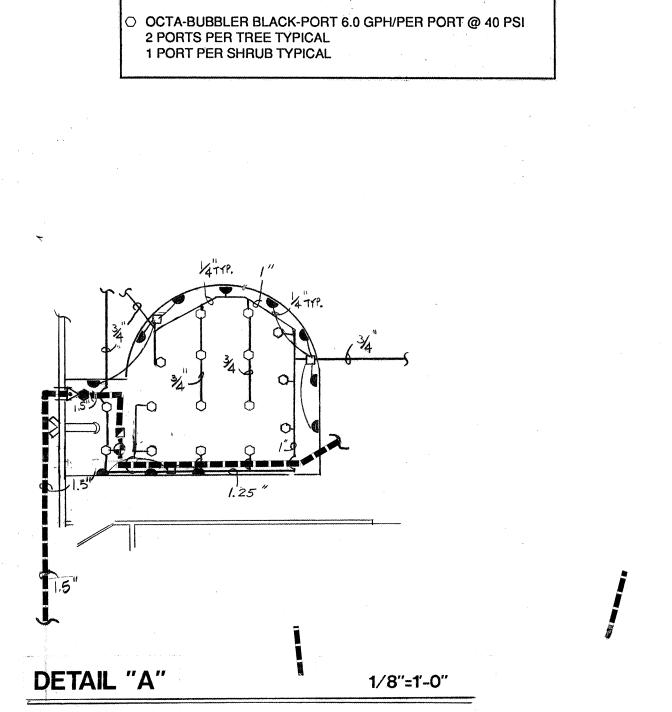
STAKED BY N/A

INSPECTOR'S ACCEPTANCE BY ARU

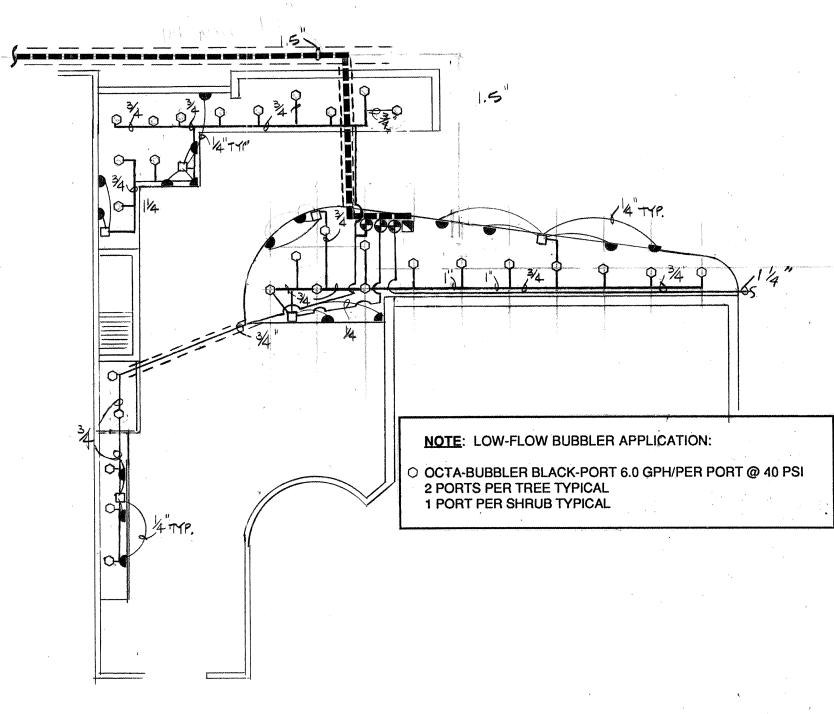
SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION. WHERE PHUEMATIC BORING IS NOT POSSIBLE, CONTRACTOR SHALL REMOVE CONCRETE STONES AS RED'D TO INSTALL NEW IPRIGATION SYSTEM AND SHALL REPLACE W/ NEW CONC. FINISH TO MATCH EXIST, ADJ. CONC.



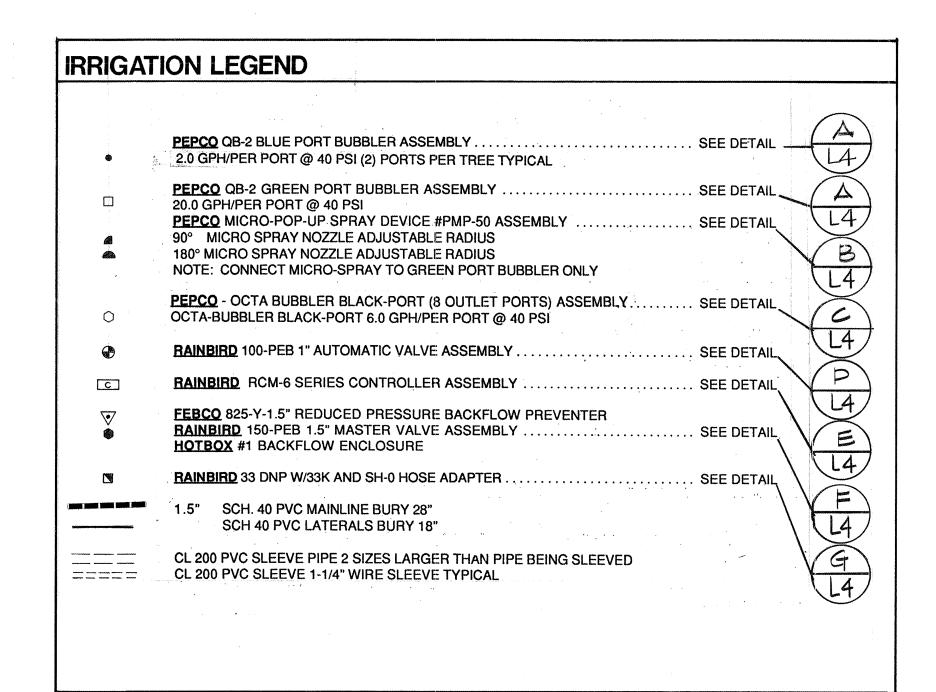
DETAIL "B"



**NOTE**: LOW-FLOW BUBBLER APPLICATION:

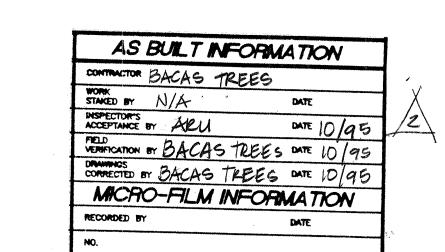


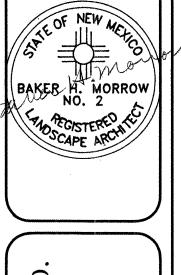
1/8"=1'-0"



# **IRRIGATION NOTES**

- ALL VALVE BOXES FOR AUTOMATIC VALVES SHALL BE INSTALLED AT A MINIMUM OF 12" FROM EDGES OF TURF.
- 2. ALL VALVE BOXES SHALL BE SUPPORTED BY CINDER BLOCKS, (MINIMUM 2 PER VALVE BOX). INSTALL BLOCKS IN A MANNER WHICH WILL PREVENT CONTACT WITH PIPING, WIRES, VALVES, ETC.
- 3. MARK ALL 24-VOLT WIRE ENDS WITH 3M STD-09 WIRE MARKER TAPE AT THE VALVE BOX AND CONTROLLER LOCATIONS.
- 4. ALL 24-VOLT WIRE SHALL BE MARKED WITH A 4" WIDE YELLOW MARKER TAPE AND MARKED "WARNING ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE.
- 5. 24-VOLT WIRE SHALL BE IN COMMON TRENCH WITH MAINLINE AND SHALL HAVE SEPARATE SLEEVE WHERE CROSSING ALL HARD CONSTRUCTION. ALL SLEEVE PIPING FOR 24-VOLT WIRE SHALL BE 1-1/4" CLASS 200 PVC.
- 6. WHERE PROPOSED PIPING CROSSES EXISTING ASPHALT AND/OR CONCRETE, THE CONTRACTOR SHALL SAW-CUT, REMOVE AND PROPERLY DISPOSE OF WASTE, EXCAVATE, INSTALL SLEEVE PIPING, MAINS AND LATERALS, BACKFILL AND COMPACT TO 95%. CONTRACTOR SHALL REPLACE ASPHALT
- 7. THE CONTRACTOR SHALL ADJUST ALL VALVES, LOW-FLOW BUBBLERS, AND MICRO-SPRINKLERS FOR OPTIMUM COVERAGE, AND SHALL PROVIDE AND INSTALL NOZZLES OTHER THAN THOSE SPECIFIED AS INSTRUCTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER
- 8. CONTRACTOR SHALL INSTALL ALL LOW-FLOW BUBBLERS ON HIGH SIDE OF TREE WELLS.
- CONTRACTOR SHALL TAPE CLOSED ALL SLEEVE PIPE OPENINGS USING DUCT TAPE TO PREVEN'T DEBRIS FROM ENTERING SLEEVES.
- 10. THE CONTRACTOR SHALL EXTEND 120-VOLT A.C. FROM EXISTING POWER TO PROPOSED CONTROLLER AND BACKFLOW PREVENTER LOCATIONS. ALL ELECTRICAL WORK SHALL BE PER LOCAL CODES AND N.E.C. STANDARDS.
- 11. ALL EXISTING DISTRIBUTION LINE LOCATIONS ARE SCHEMATIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS AS AN INCIDENTAL REQUISITE TO THE CONSTRUCTION CONTRACT.
- 12. THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY OWNER'S REPRESENTATIVE IN THE FIELD.
- 13. LOCATIONS OF ALL SLEEVE PIPING SHALL BE VERIFIED BY THE CONTRACTOR. EXCAVATION, POTHOLING, ASSOCIATED WORK, MATERIALS, LABOR, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE MADE TO THE CONTRACTOR FOR LOCATING SLEEVES.
- 14. THIS SYSTEM WAS DESIGNED FOR 55 PSI STATIC WATER PRESSURE AND 25 GPM. SHOULD THE PRESSURE AND GALLONAGE BE LESS THAN THIS, NOTIFY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE INSTALLATION SO THAT ADJUSTMENTS CAN BE MADE IN THE PIPE SIZE. IF THE PRESSURE IS MUCH GREATER, NOTIFY THE LANDSCAPE ARCHITECT, AS A PRESSURE REDUCER MAY BE REQUIRED.





MORROW & COMPANY, LTD.

LANDSCAPE ARCHITECTS

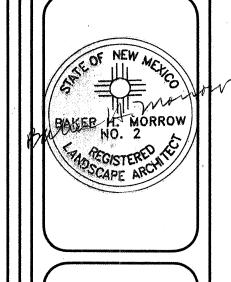
210 La Veta N.E.
Albuquerque, N.M. 87408
505 268-2266
FAX 505 265-9637

IRRIGATION PLAN, LEGEND & NOTES

PE IMPROVEMENTS FOR THE OOL OF ARCHITECTURE & PLANNINTRAL AVESE

LANDSCAPE IM UNM SCHOOL C 2414 CENTRAL

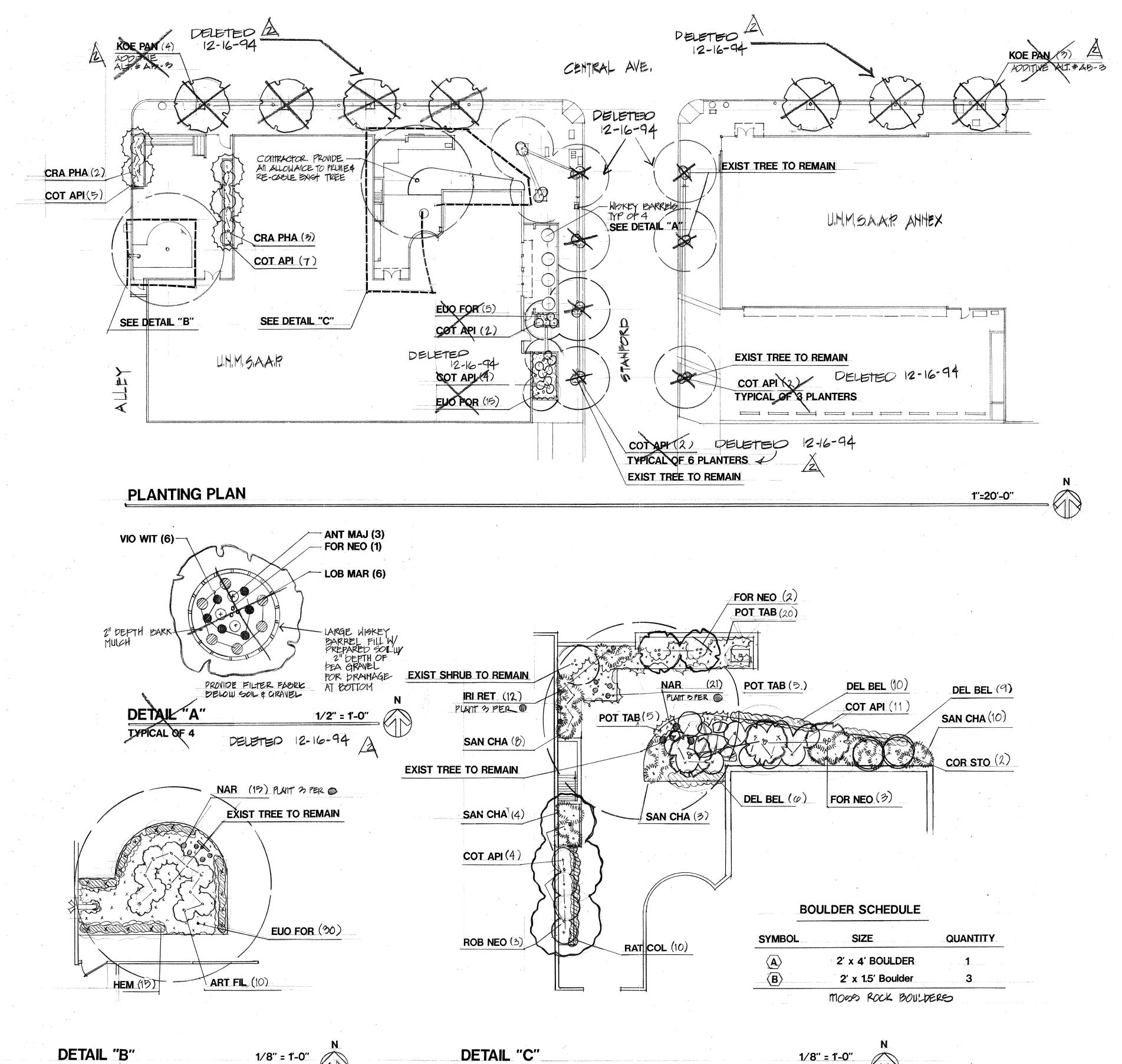
SHEET NO.



COMPANY, LTD ARCHITECTS MORROW & LANDSCAPE 210 La Veta N.E. Albuquerque, N.M.

> PLAN, ST & NOTI PLANTING PL PLANT LIST

SHEET NO.



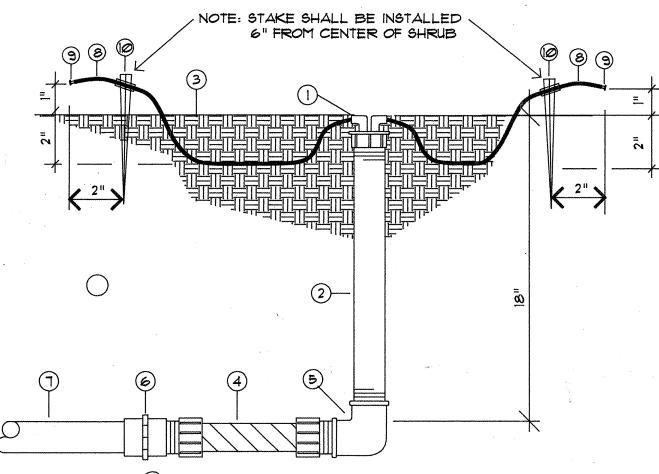
## **PLANTING NOTES**

- IN CASE OF A DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLANS, THE QUANTITIES SHOWN THE PLANS SHALL GOVERN.
- QUANTITIES SHOWN ON THE PLANT LIST ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
- 3. SEE SHEET L- 5 FOR PLANTING DETAILS.
- 4. A 3" DEPTH OF BARK MULCH SHALL BE INSTALLED THROUGHOUT ALL SHRUB BEDS WITH FILTER FABRIC BELOW. FILTER FABRIC SHALL BE MIN. 4 OZ. PER SY WOVEN POLYPROPYLENE FIBER, BLACK (DEWITT WEED BARRIER OR EQUAL) OVERLAY EDGES 6". TURN DOWN PERIMETER EDGES 6".
- 5. THE CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES TO 6 FEET ABOVE FINISH GRADE.
- 6. IF THERE IS A DISCREPANCY IN FIELD OR NURSERY TREES BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND THE CALIPER AND HEIGHT CALLED OUT UNDER "SIZE", THE SPECIFIED TREE MUST MEET THE CALIPER AND HEIGHT REQUIREMENTS SPECIFIED UNDER "SIZE," EVEN IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL DISTRIBUTE PLANTS EVENLY THROUGHOUT SHRUB BEDS
- CONTRACTOR SHALL AMEND SOIL TO A DEPTH OF 6"-8" IN A MINIMUM 10' DIAMETER AROUND EXISTING TREES WITH BACKFILL MIXTURE.
- CONTRACTOR SHALL PROTECT EXISTING PLANTS TO REMAIN AND SHALL REPLACE PLANTS DAMAGED BY CONSTRUCTION OPERATIONS WITH PLANTS OF LIKE SPECIES AND SIZE.

	AS BUILT INFORMATION					
J	CONTRACTOR BACAS TREE	<i>-</i> 6				
	WORK STAKED BY N/A	DATE				
	INSPECTOR'S ACCEPTANCE BY ARU	DATE 10/95				
	PRELD VERSFICATION BY BACAS TRA	EES DATE 10/95				
	DRAWINGS CORRECTED BY BACAS TREE	S DATE 10/95				
	MICRO-FILM INFORMATION					
	RECORDED BY	DATE				
	NO.					

PLANT LIST

-	•		:	SIZE			
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	INSTALLED	MATURE	REMARKS	
					•		
TREES		,	, -		•	· 🚉	
CRA PHA	Crataegus phaenopyrum	Washington Hawthorn	6	8'-10' ht, 1-3/4" cal.	20' ht. and spd.	25 gallon	
KOE PAN	Koelreuteria paniculata	Goldenrain Tree	7	10'-12' ht, 2" cal.	25' ht, 20' spd.	24" box	
	2	•			•	(Add. Alt. AE	
	•			•	•	• •	
SHRUBS		• •					
ART FIL	Artemisia filifolia	Sand Sage	10	12" ht., 12" spd.	4' ht. and spd.	1 gallon	
COR STO	Cornus stolonifera	Red Osier Dogwood	2	12" ht., 8" spd.	5' ht. and spd.	1 gallon	
FOR NEO	Forestiera neomexicana	New Mexico Olive	9	24" ht., 24" spd.	13' ht., 10' spd.	5 gallon	
OTTALO	1 0100tiona tiootitoxidatia		· · · · · · · · · · · · · · · · · · ·			(Prune up to	
	•				•	tree form)	
ROB NEO	Robinia neomexicana	New Mexico Locust	3	24" ht. and spd.	13' ht., 10' spd.	5 gallon	
•			4			(Prune up to	
··	·					tree form)	
COOUND C	NOVED					:	
GROUND C	OVER			· · · · · · · · · · · · · · · · · · ·		*	
COT APT	Cotoneaster apiculatus	Cranberry Cotoneaster	51	8" ht and spd.	24" ht., 4' spd.	1 gallon	
EUO FOR	Euonymus fortunei	Creeping Euonymus	50	2" ht.	12" ht, 36" spd.	4" pot	
POT TAB	Potentilla tabernaemontanii	Spring Cinquefoil	30	1" ht.	4" ht., 12" spd.	4" pot	
SAN CHA	Santolina chamaecyparissus	Grey Santolina	25.	8" ht and spd.	24" ht. and spd.	4" pot	
FLOWERS	- PERENNIALS			* **			
		et .					
DEL BEL	Delphinium belladonna	Delphinium	16	3" ht.	18" ht.	4 pack	
RAT COL	Ratibida columnifera	Coneflower	10	3" ht.	24" ht.	4 pack	
	'Mexican Hat'		-	•		٠	
DUI DO ANI	TUBE	•				*	
BULBS AND	J TORE		:				
HEM	Hemerocallis	Daylily	15	Min. 8" ht.	18" ht.	Tubers	
IRI RET	Iris reticulata	Iris	12	***************************************	18" ht.	Bulbs, Purple	
						color flower	
NAR	Narcissus 'King Alfred'	Daffodil	36	and the state of t	18" ht.	Bulbs	
				•			
FLOWERS	- ANNUALS						
ANT MAJ	Antirrhinum majus	Snapdragon	12	3" ht.	12" ht.	6 pack	
		T	24	1" ht.	4" ht.	6 pack	
LOB MAR	Lobularia maritima 'Carpet of Snow'	Alyssum	47	g FRSs.		· · · · · · · · · · · · · · · · · · ·	
			:04	O" ha	G" hi	6 nack	
VIO WIT	Viola wittrockiana	Pansey	24	3" ht.	6" ht.	6 pack	



- (1) LOW FLOW OCTA-BUBBLER, W/ (4) PORTS TYPICAL SEE
- LEGEND INSTALL 2" FROM ROOT BALL, TYPICAL
- (2) 1/2" SCH. 80 PYC THREADED NIPPLE, LENGTH AS REQUIRED
- FINISH GRADE
- EXCALIBER 506-MM, 1/2" X 6" PVC FLEX NIPPLE
- 1/2" SCH. 40 PVC TREADED ELBOW
- 3/4" × 1/2" SCH. 40 PVC FEMALE ADAPTER PVC LATERAL PIPING
- PEPCO P220V SERIES, 7/32" VINYL TUBING, LENGTH AS REQUIRED
- OCTA-BUBBLER 2133-100 INSECT PLUG, TYPICAL
- (10) RAINBIRD TS-025 TUBING STAKE, ONE PER PLANT, INSTALL 6" FROM CENTER OF SHRUB, TYPICAL





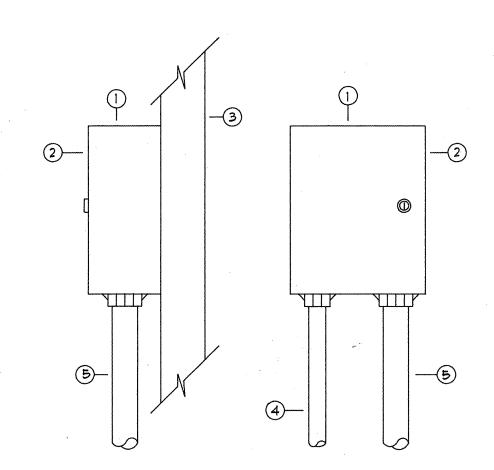
RAIN BIRD MODEL \*DT-025 1/4" DISTRIBUTION

TUBING (MAX. LENGTH PER SPECIFICATION)

PEPCO MICRO-POP SPRAY ASSEMBLY (SEE LEGEND)

FINISH GRADE

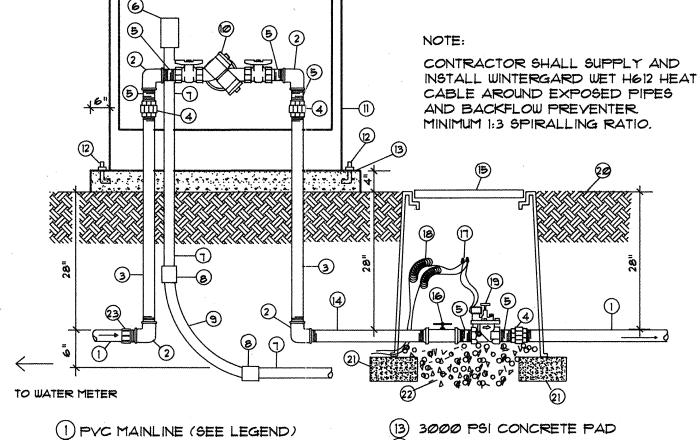
MULCH BED



- (1) AUTOMATIC CONTROLLER (SEE LEGEND)
- 2 EYE LEVEL WALL
- (4) 120 VOLT WIRE CONDUIT
- (5) 24 VOLT WIRE CONDUIT

- CONTROLLER SHALL BE MOUNTED SECURELY TO WALL USING APPROPRIATE FASTENERS FOR WALL TYPE. ALL EXPOSED CONDUIT SHALL BE EM.T. OR EQUAL AND APPROVED BY LOCAL CODES.
- ALL CONDUIT CONNECTIONS SHALL BE MADE USING WATERTIGHT
- CONNECTORS.

WALL MOUNT AUTOMATIC CONTROLLER MCD-0016 070993 N.T.S.



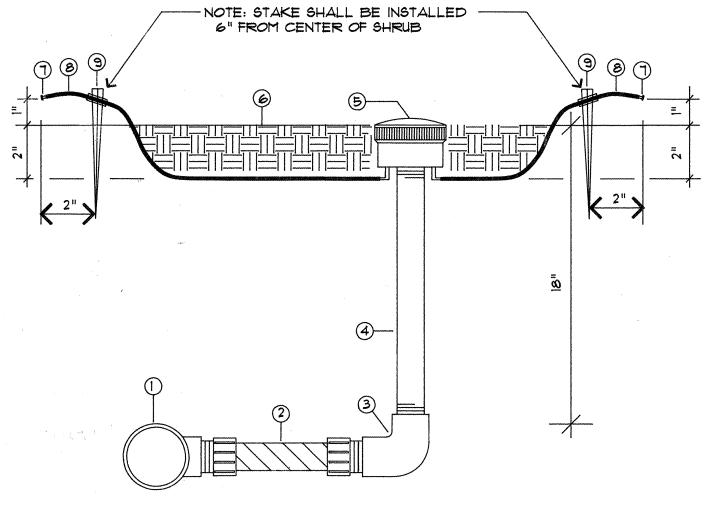
- (2) GALVANIZED ELBOW 3) GALVANIZED NIPPLE - 42" LENGTH
- (4) GALVANIZED UNION (5) GALVANIZED NIPPLE- 3" LENGTH (6) JUNCTION BOX FOR HEAT TAPE
- 7) RIGID STEEL CONDUIT 8) WATERTIGHT CONNECTOR 9) RIGID STEEL SWEEP ELL @ REDUCED PRESSURE BACKFLOW
- PREVENTER OR APPROVED EQUAL (11) INSULATED ENCLOSURE (SEE LEGEND) (12) ANCHOR BOLTS
- (13) 3000 PSI CONCRETE PAD (14) GALVANIZED NIPPLE - 36" LENGTH

CONNECT TO NEAR BY OCTA BUBBLER. (1) -

PORT PER MICRO SPRAY. ---

- (15) BROOKS 1730 PB-18" VALVE BOX W/8" EXTENSIONS AS REQUIRED (16) SPEARS TRUE UNION SCH. 80
- PVC BALL VALVE (1) WATERPROOF WIRE SPLICE
- (8) 36" WIRE LOOPS (9) AUTOMATIC VALVE (SEE LEGEND) 29 FINISH GRADE ) CMU BLOCK
- (22) PEA GRAVEL 3 CUBIC FEET (23) SCH 40 PYC MALE ADAPTER





1) PVC LATERAL PIPE FITTING

- (2) EXCALIBUR 506-MM 1/2" x 6" PVC FLEX NIPPLE
- (3) 1/2" SCH. 40 PVC THREADED ELBOW
- (4) 1/2" SCH. 80 PVC NIPPLE, LENGTH AS REQUIRED
- (5) PEPCO LOW-FLOW OCTA-BUBBLER, SEE LEGEND
- 6) FINISH GRADE, TOP OF GRAVEL, MULCH OR DECORATIVE BARK LAYER, SEE PLANTING PLAN
- (T) OCTA-BUBBLER 2133-100 INSECT PLUG, TYPICAL
- (8) PEPCO P220V SERIES, 7/32" VINYL TUBING, LENGTH AS REQUIRED (9) RAINBIRD TS-025 TUBING STAKE, ONE PER PLANT,
- INSTALL 6" FROM CENTER OF SHRUB, TYPICAL



QUICK COUPLER VALVE (SEE LEGEND)

BROOKS PRODUCTS INC., 1324-PB-18 BODY

SCH. 40 PVC PIPE (LENGTH AS REQUIRED)

SCH. 80 PYC EXTRUDED TOE NIPPLE - 6" LENGTH

SPEARS SCH. 80 PVC BALL VALVE

SCH. 80 PVC NIPPLE - 2" LENGTH

SCH. 80 PVC PIPE - 18" LENGTH

CMU BLOCK - 2 PER VALVE BOX

SPEARS 591-010 SWING JOINT

PEA GRAVEL - 4 CUBIC FEET

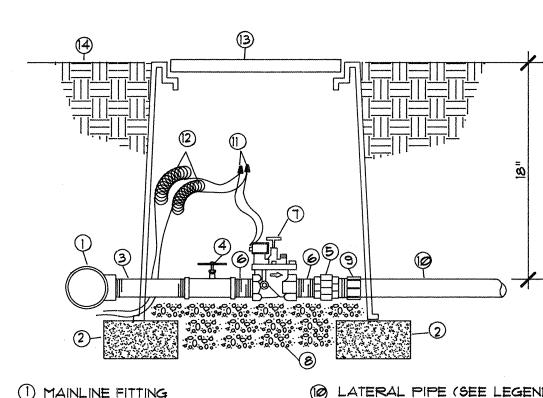
(ABS) WITH ONE S" EXTENSION

QUICK COUPLER ASSEMBLY

FINISH GRADE

MCD-0029 080294

MAINLINE FITTING



(1) MAINLINE FITTING ) CMU BLOCK SCH. 80 PYC NIPPLE - 18" LENGTH ) SPEARS TRUE UNION SCH. 80

(9) SCH. 40 PVC MALE ADAPTER

PVC BALL VALVE SPEARS SCH. 80 PYC UNION SCH. 80 PVC NIPPLE - 3" LENGTH AUTOMATIC VALVE (SEE LEGEND) PEA GRAVEL - 3 CUBIC FEET

10) LATERAL PIPE (SEE LEGEND. WATERPROOF WIRE CONNECTOR 2) 36" WIRE EXPANSION LOOPS BROOKS PRODUCTS, INC. 1324 PB-18 BODY (ABS) VALVE BOX WITH 1324 BOLT

DOWN COVER (ABS) AND W/ 8" EXTENSIONS AS REQUIRED (4) FINISH GRADE

NOTE: CONTRACTOR SHALL INSTALL ONE AUTOMATIC VALVE ASSEMBLY PER VALVE BOX.



N.T.S.

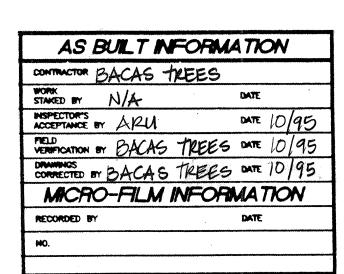
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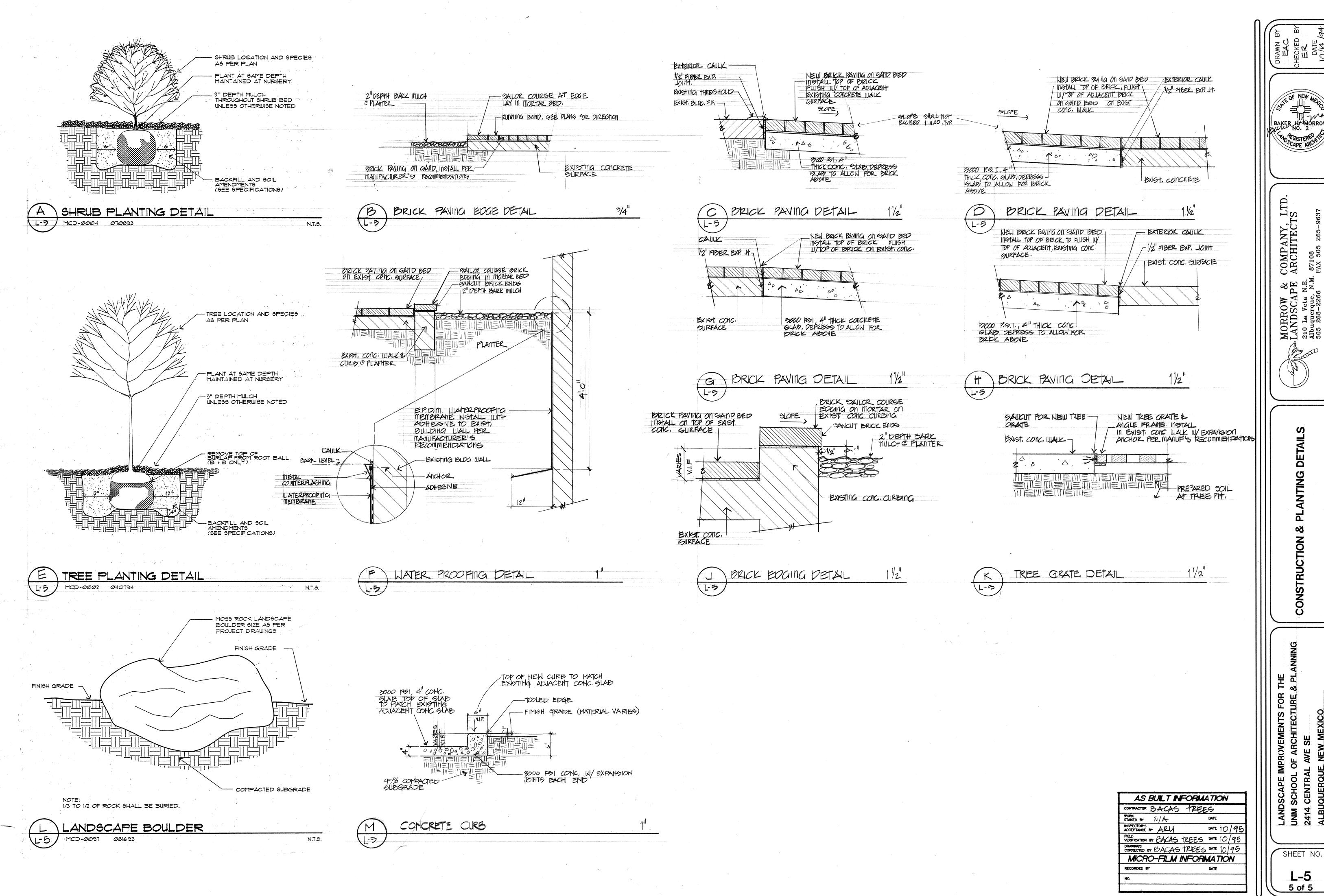
DETA

LTD

COMPANY, JARCHITECTS

SHEET NO.





CPN-5091.90

SHEET NO.