

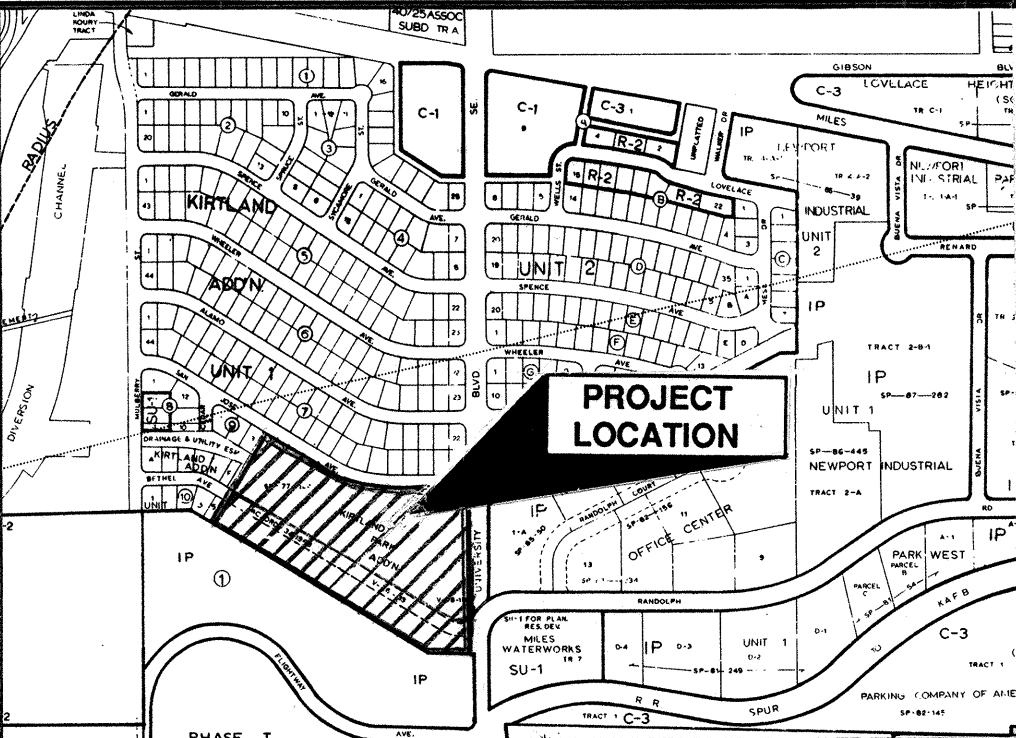
KIRTLAND PARK RENOVATION

UNIVERSITY AND SAN JOSE S.E.
ALBUQUERQUE, NEW MEXICO

CLASS 1 CONSTRUCTION-ACCESS ROAD AND PARKING LOT
CLASS 2 CONSTRUCTION-PARK RENOVATION

INDEX

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3.	DEMOLITION AND GRADING PLAN
4.	SITE ACESS ROAD
5.	PARKING LOT & STORM DRAIN OUTFALL
6.	SITE DETAILS AND RETAINING WALLS
7.	BRIDGE REPLACEMENTS AND DETAILS
8.	CONSTRUCTION AREA A
9.	CONSTRUCTION AREA C
10.	IRRIGATION AREA A
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12.	PLANTING PLAN AREA A
13.	PLANTING PLAN AREA B
14.	ASSORTED DETAILS AND NOTES
15.	ASSORTED DETAILS AND NOTES



VICINITY MAP ZONE ATLAS NO. M-15

NOTICE TO CONTRACTOR

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.
2. Two (2) working days prior to any excavation, contractor must contact 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.

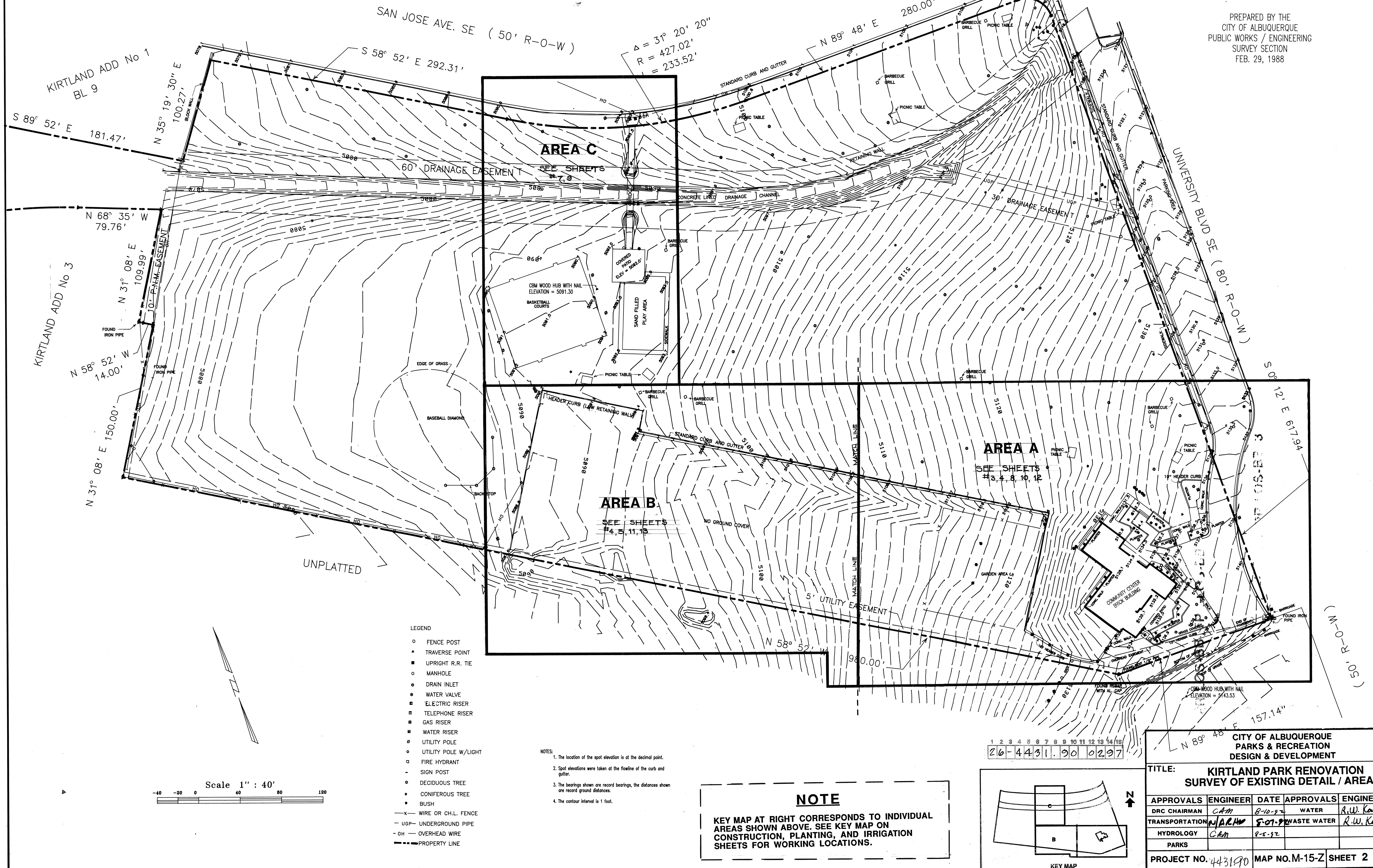
26-4431.90 0197

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. Smith
DATE 4-8-97

10	REV. IRRIG. PER FLD MARK-UP 4/23/92	PARKS/DESIGN & DEVEL. <i>ps</i>				
REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.
APPROVAL OF REVISIONS				APPROVED FOR CONSTRUCTION		
26-4431.90 0197				<i>[Signature]</i> 8/10/92 DATE		
				PROJECT NUMBER 4431.90		
				SHEET 1 OF 15		

KIRTLAND PARK AND TOM BELL COMMUNITY CENTER

PREPARED BY THE
CITY OF ALBUQUERQUE
PUBLIC WORKS / ENGINEERING
SURVEY SECTION
FEB. 29, 1988



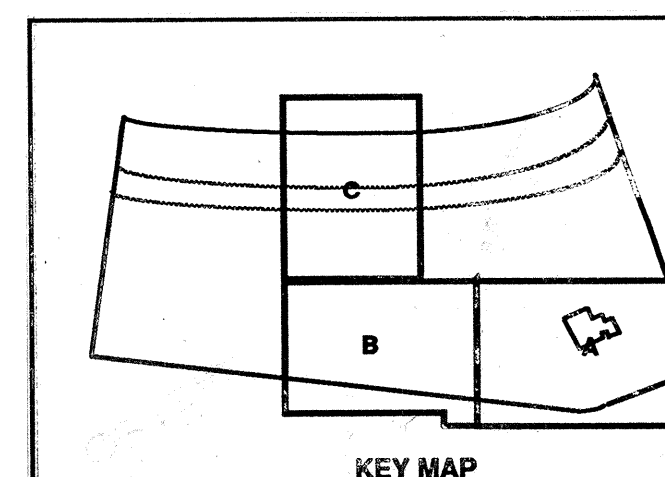
- LEGEND
- FENCE POST
 - ▲ TRAVERSE POINT
 - UPRIGHT R.R. TIE
 - MANHOLE
 - DRAIN INLET
 - WATER VALVE
 - ELECTRIC RISER
 - TELEPHONE RISER
 - GAS RISER
 - WATER RISER
 - UTILITY POLE
 - UTILITY POLE W/LIGHT
 - FIRE HYDRANT
 - SIGN POST
 - DECIDUOUS TREE
 - CONIFEROUS TREE
 - BUSH
 - x- WIRE OR CH.L. FENCE
 - UGP- UNDERGROUND PIPE
 - OH- OVERHEAD WIRE
 - PROPERTY LINE

- NOTES:
1. The location of the spot elevation is at the decimal point.
 2. Spot elevations were taken at the flowline of the curb and gutter.
 3. The bearings shown are record bearings, the distances shown are record ground distances.
 4. The contour interval is 1 foot.

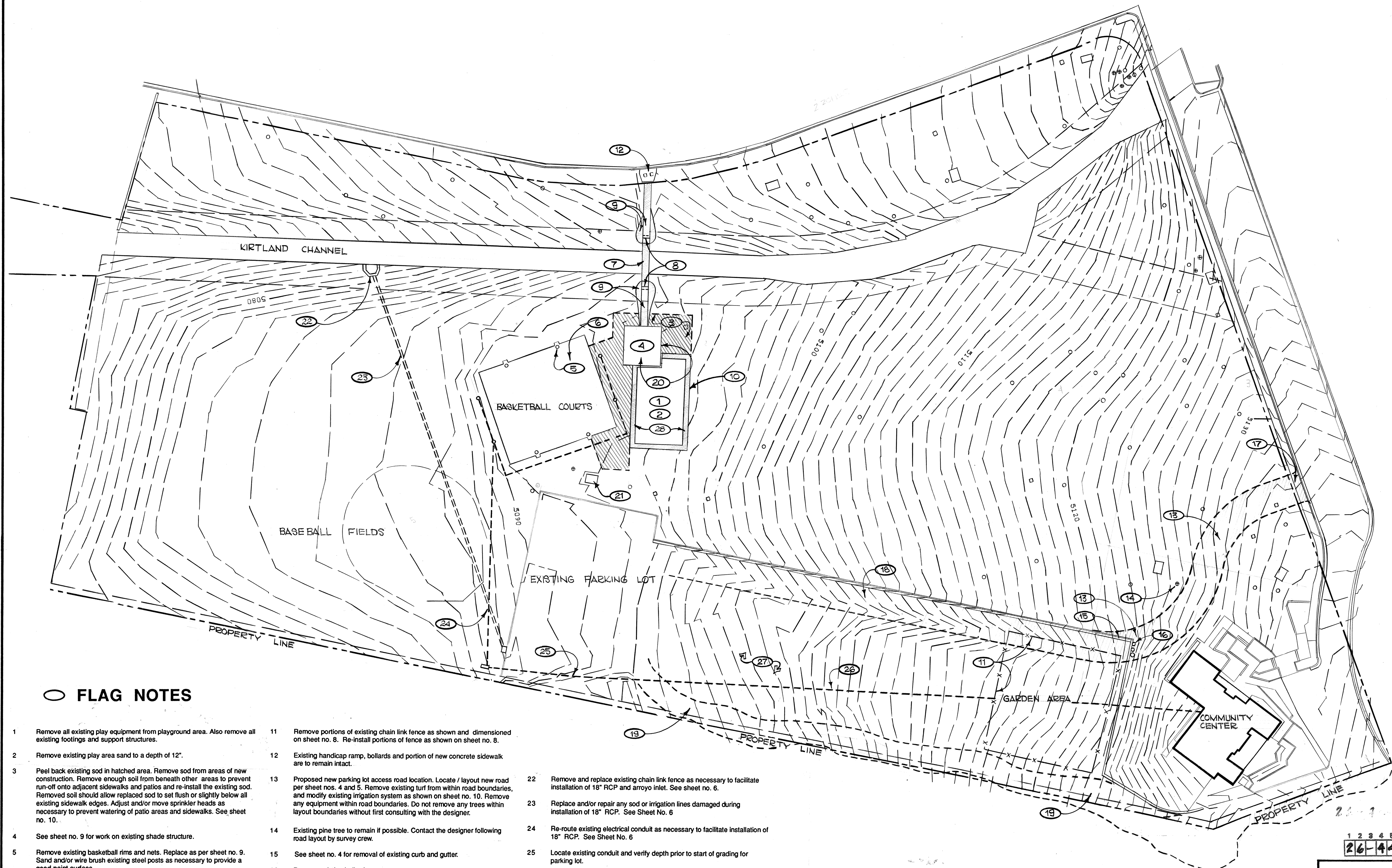
NOTE

KEY MAP AT RIGHT CORRESPONDS TO INDIVIDUAL AREAS SHOWN ABOVE. SEE KEY MAP ON CONSTRUCTION, PLANTING, AND IRRIGATION SHEETS FOR WORKING LOCATIONS.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4431.90 0297



CITY OF ALBUQUERQUE PARKS & RECREATION DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK RENOVATION SURVEY OF EXISTING DETAIL / AREAS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAH	8-10-92	WATER	R.W. Kane	8-5-92
TRANSPORTATION	NARH	8-07-92	WASTE WATER	R.W. Kane	8-5-92
HYDROLOGY	CAH	8-5-92			
PARKS					
PROJECT NO. 443190		MAP NO. M-15-Z SHEET 2 OF 15			



○ FLAG NOTES

- | | |
|---|---|
| <p>1 Remove all existing play equipment from playground area. Also remove all existing footings and support structures.</p> <p>2 Remove existing play area sand to a depth of 12".</p> <p>3 Peel back existing sod in hatched area. Remove sod from areas of new construction. Remove enough soil from beneath other areas to prevent run-off onto adjacent sidewalks and patios and re-install the existing sod. Removed soil should allow replaced sod to set flush or slightly below all existing sidewalk edges. Adjust and/or move sprinkler heads as necessary to prevent watering of patio areas and sidewalks. See sheet no. 10.</p> <p>4 See sheet no. 9 for work on existing shade structure.</p> <p>5 Remove existing basketball rims and nets. Replace as per sheet no. 9. Sand and/or wire brush existing steel posts as necessary to provide a good paint surface.</p> <p>6 Remove any grass and weeds from construction / expansion joints on basketball courts and install crack filler as necessary. Re-stripe each court with white acrylic paint. See striping Detail B on sheet No. 8.</p> <p>7 Remove existing precast tee bridge.</p> <p>8 Remove existing bridge abutments and footings. Over-excavate as necessary to accommodate structural fill as shown on sheet no. 7.</p> <p>9 Remove approaching concrete sidewalk and apron. Also remove the existing handrails and retain for refurbishment. See note no. 12.</p> <p>10 Remove turf and soil as necessary to accommodate installation of new retaining wall. Raise existing irrigation lines as necessary. See sheets 9,11.</p> | <p>11 Remove portions of existing chain link fence as shown and dimensioned on sheet no. 8. Re-install portions of fence as shown on sheet no. 8.</p> <p>12 Existing handicap ramp, bollards and portion of new concrete sidewalk are to remain intact.</p> <p>13 Proposed new parking lot access road location. Locate / layout new road per sheet nos. 4 and 5. Remove existing turf from within road boundaries, and modify existing irrigation system as shown on sheet no. 10. Remove any equipment within road boundaries. Do not remove any trees within layout boundaries without first consulting with the designer.</p> <p>14 Existing pine tree to remain if possible. Contact the designer following road layout by survey crew.</p> <p>15 See sheet no. 4 for removal of existing curb and gutter.</p> <p>16 Remove existing bollards.</p> <p>17 Remove enough existing sidewalk to accommodate new access road layout. See sheet no. 4. Adjust irrigation system as shown on sheet 10.</p> <p>18 Location of new access road to parking area. See sheet nos. 4 and 5 for grading and subgrade prep.</p> <p>19 Rip and rotill entire existing road bed to a depth of 12". See planting plan on sheets 12 and 13.</p> <p>20 Remove existing 2x8's of built-in bench along top of CMU wall. Replace per sheet no. 9.</p> <p>21 Remove 1 existing picnic table and it's associated footings and concrete pad.</p> |
|---|---|

- | |
|---|
| <p>22 Remove and replace existing chain link fence as necessary to facilitate installation of 18" RCP and arroyo inlet. See sheet no. 6.</p> <p>23 Replace and/or repair any sod or irrigation lines damaged during installation of 18" RCP. See Sheet No. 6</p> <p>24 Re-route existing electrical conduit as necessary to facilitate installation of 18" RCP. See Sheet No. 6</p> <p>25 Locate existing conduit and verify depth prior to start of grading for parking lot.</p> <p>26 Locate existing conduit and verify both depth and direction prior to native seeding installation.</p> <p>27 Remove trash, brush, and other waste from existing native area. Avoid damage to established native vegetation.</p> <p>28 Remove all existing sidewalks @ play area. Remove also 12" of soil underneath existing sidewalk.</p> |
|---|

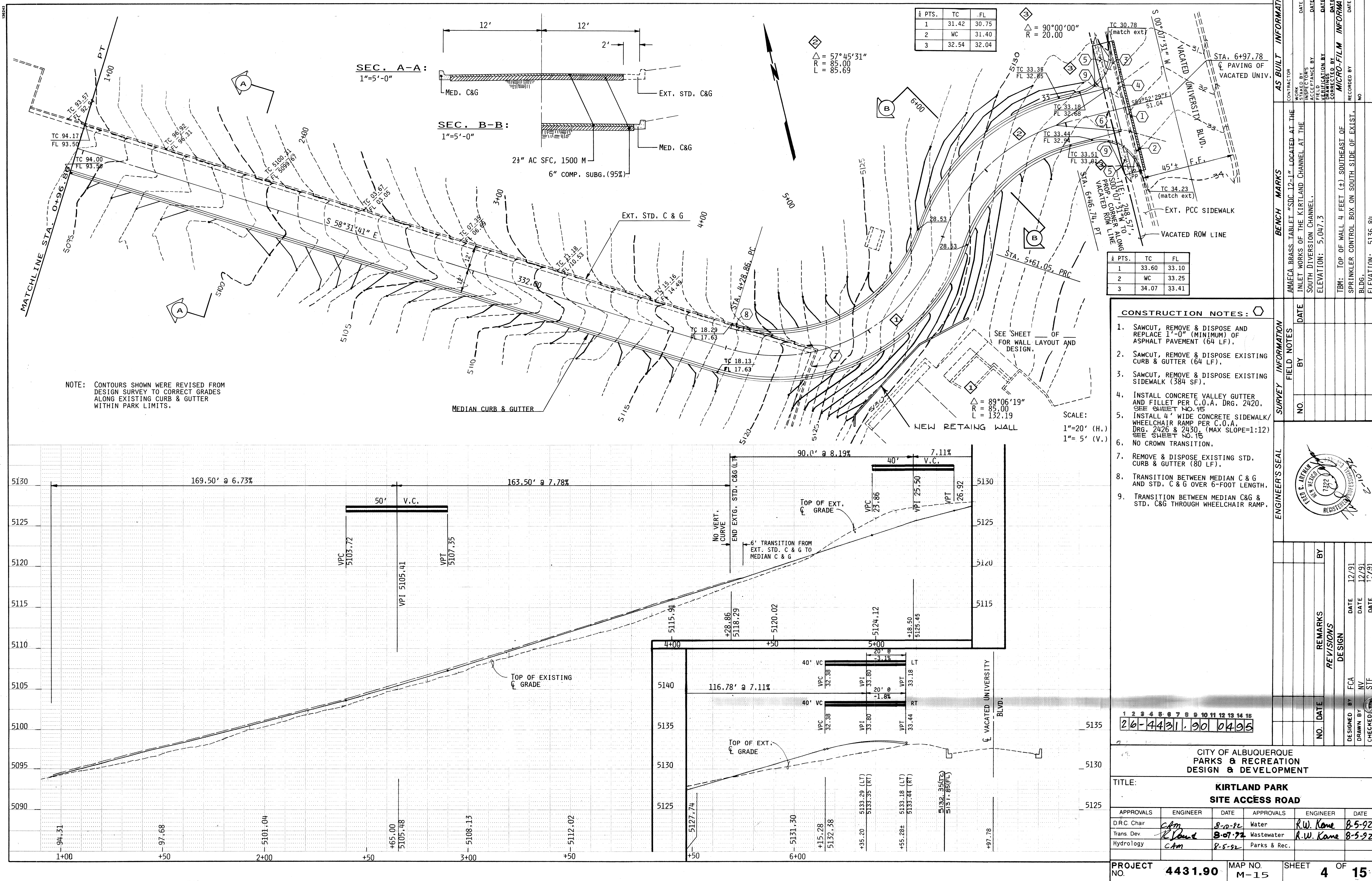
SCALE 1" = 40'-0"

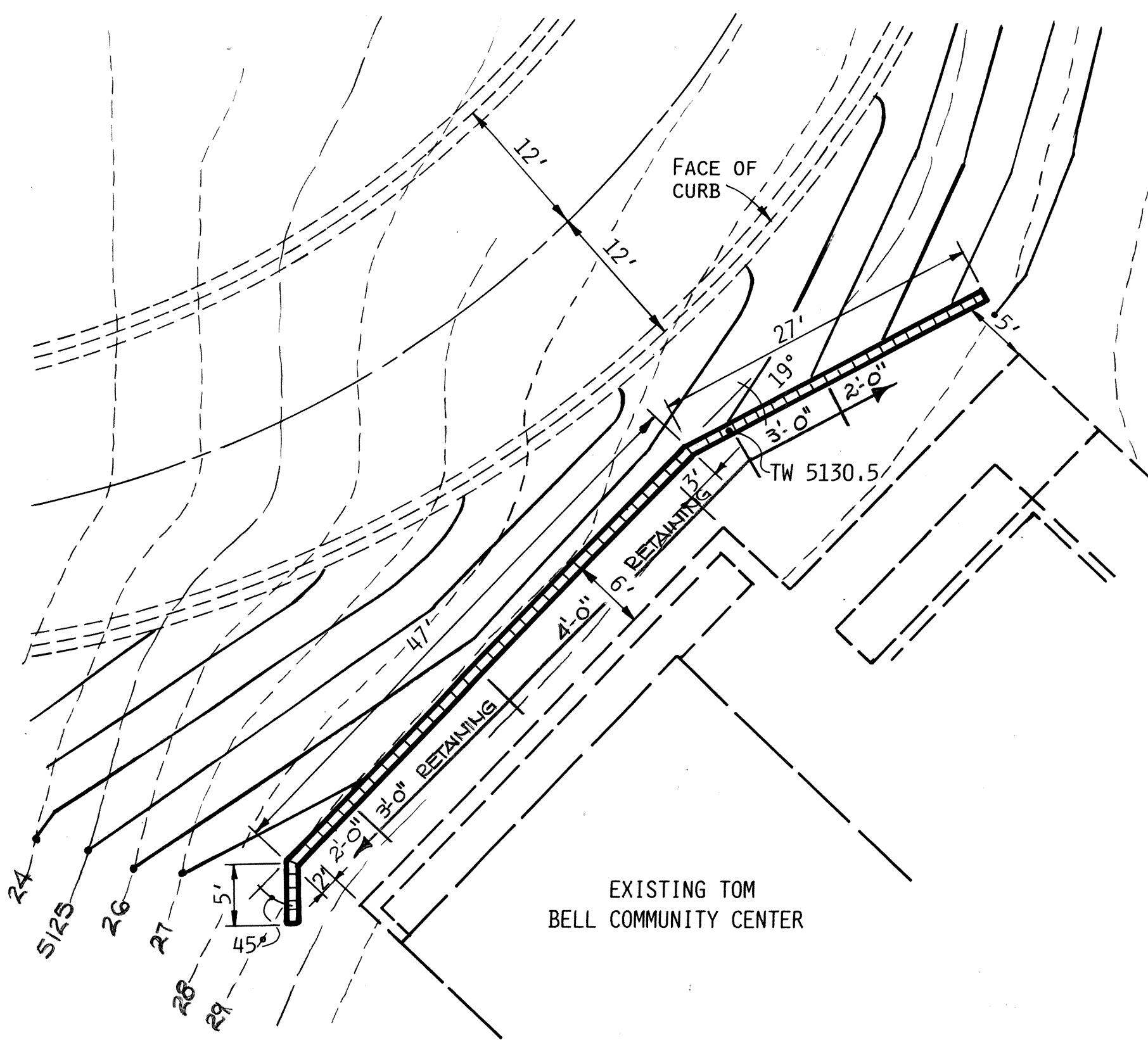
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6	4	4	3	1	9	0	0	9					

CITY OF ALBUQUERQUE PARKS & RECREATION DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK RENOVATION DEMOLITION AND GRADING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-12-92	WATER	R.W. Kone	8-5-92
TRANSPORTATION	WACHO	8-07-92	WASTE WATER	R.W. Kone	8-5-92
HYDROLOGY	CAM	8-5-92			
PARKS					
PROJECT NO. 4431		MAP NO. M-15-Z		SHEET 3 OF 15	

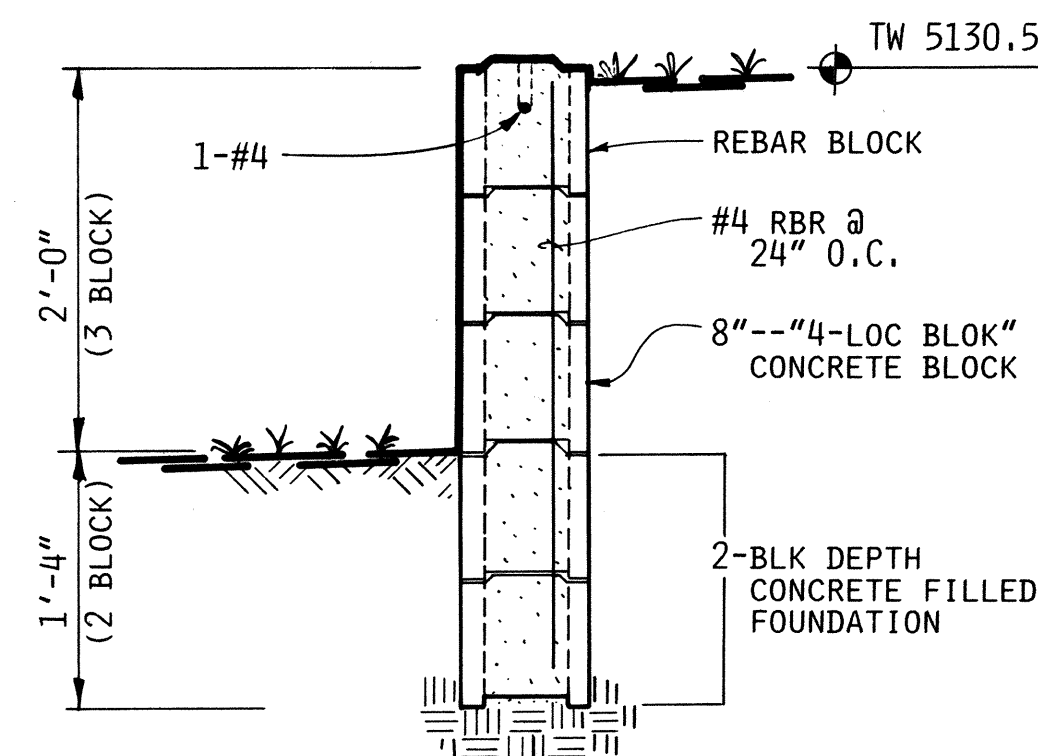
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARK		AS BUILT INFORMATION				
	BY	FIELD NOTES		NO.	DATE	CONTRACTOR				
		NO.	BY			WORK STAKED BY		DATE:		
						INSPECTORS APPROVAL		DATE:		
						FIELD VERIFICATION BY		DATE:		
						DRAWING CORRECTED BY		DATE:		
DESIGNED BY: M. DEAR		DATE: 10/12/91		MICRO-FILM INFORMATION		RECORDED BY	DATE			
DRAWN BY: T.S. M.D. B.B.		DATE:								
CHECKED BY:										

150043

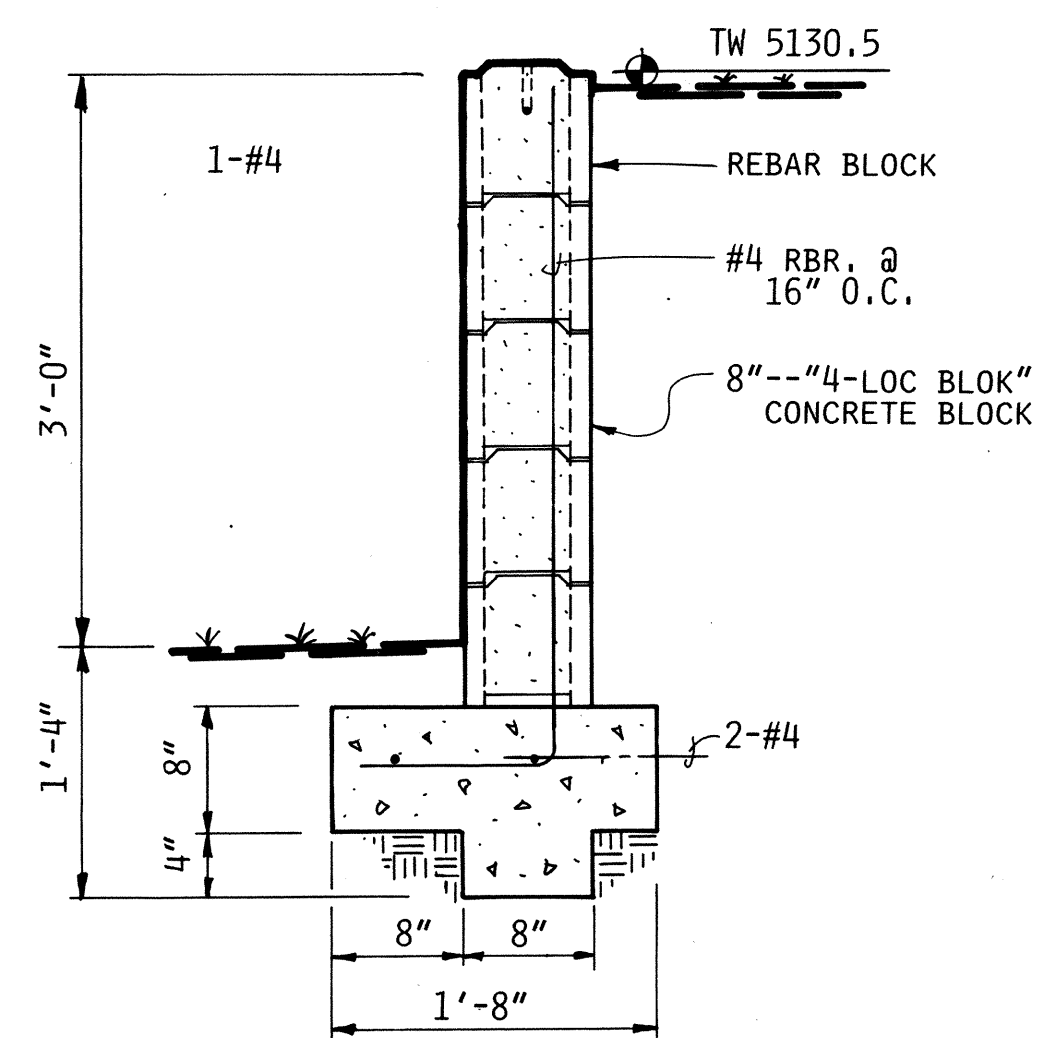




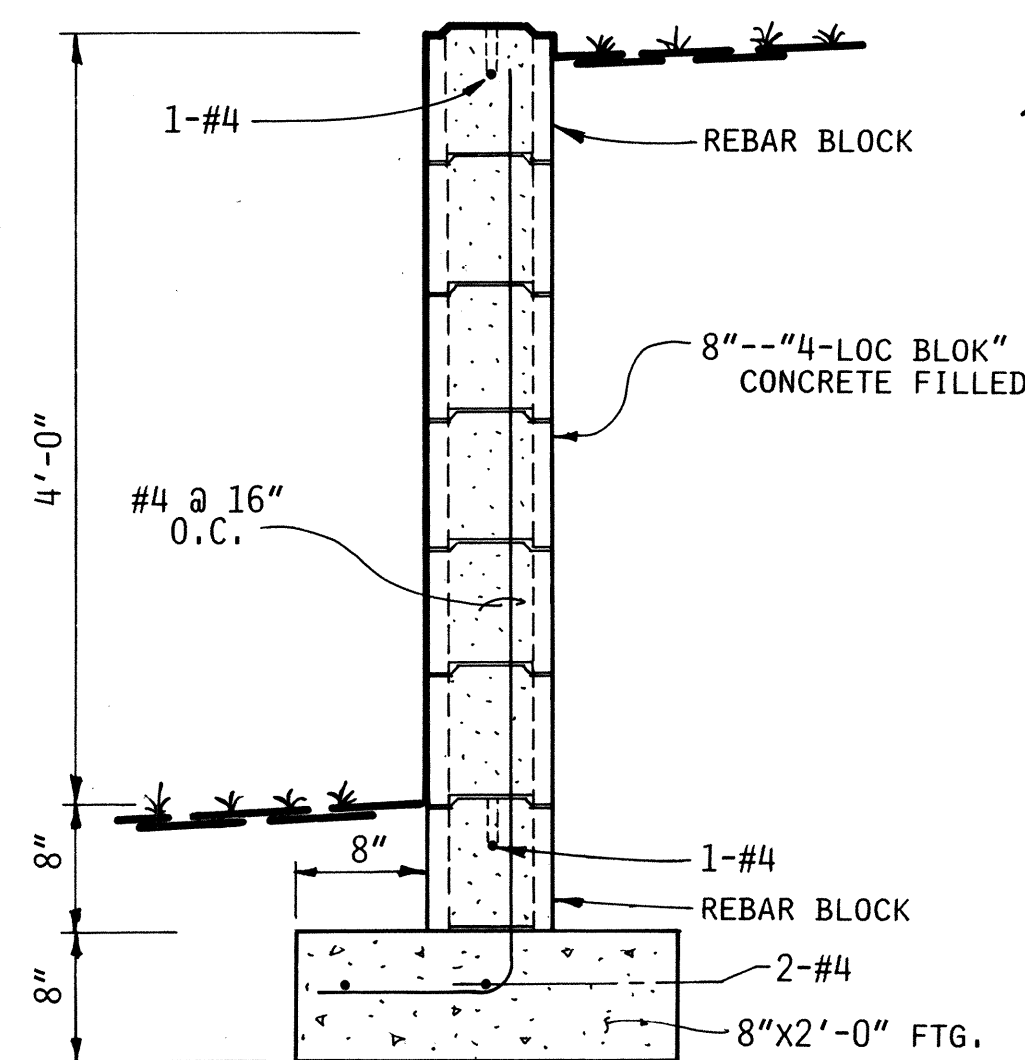
RETAINING WALL PLAN
1"=10'-0"



2 FT. "4-LOC BLOK" RTG. WALL



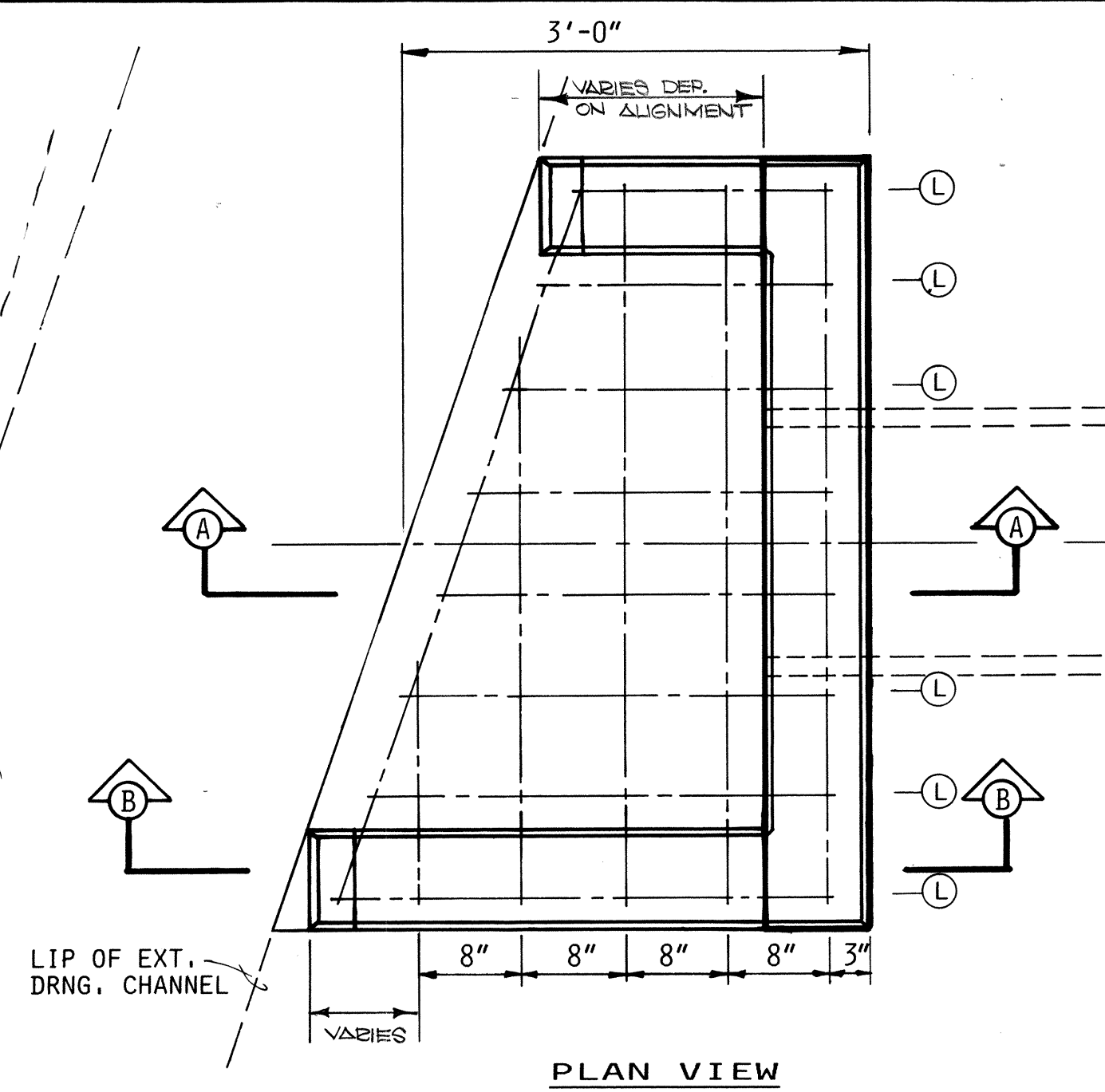
3 FT. "4-LOC BLOK" RTG. WALL



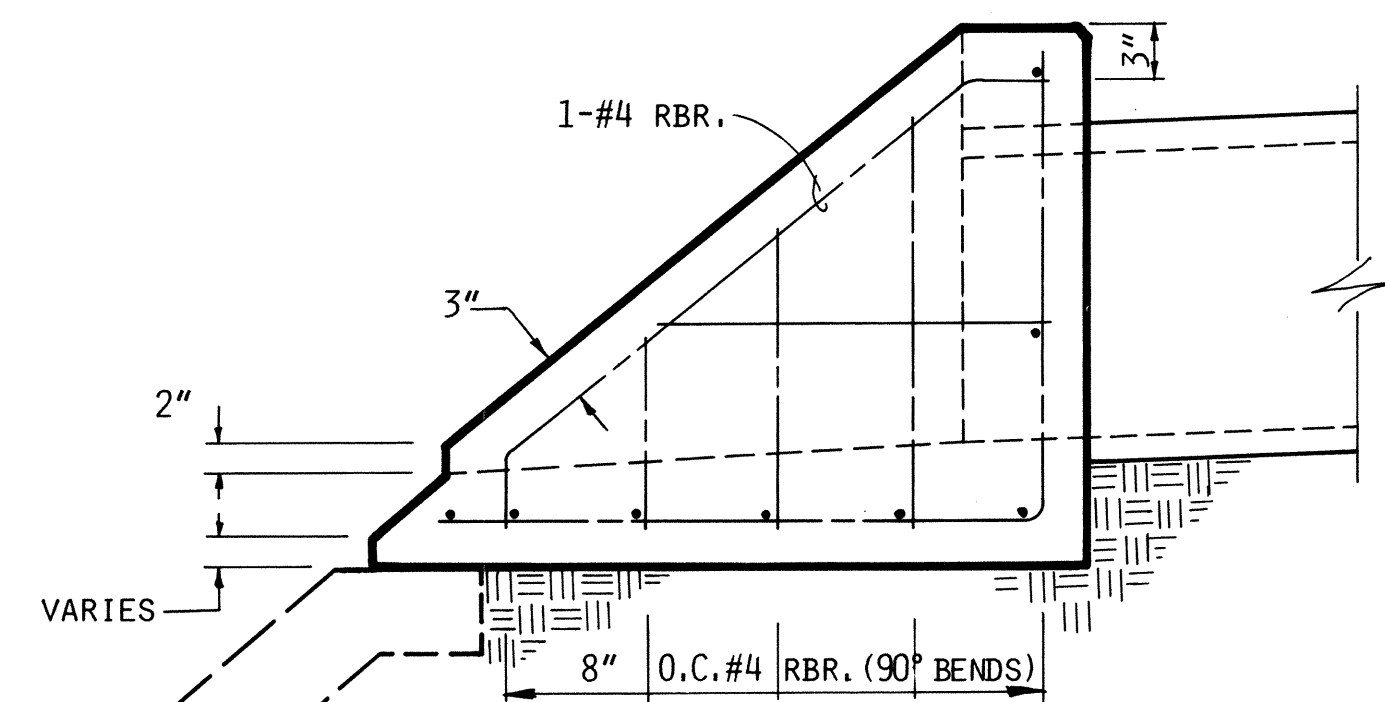
4 FT. "4-LOC BLOK" RTG. WALL

NOTES :

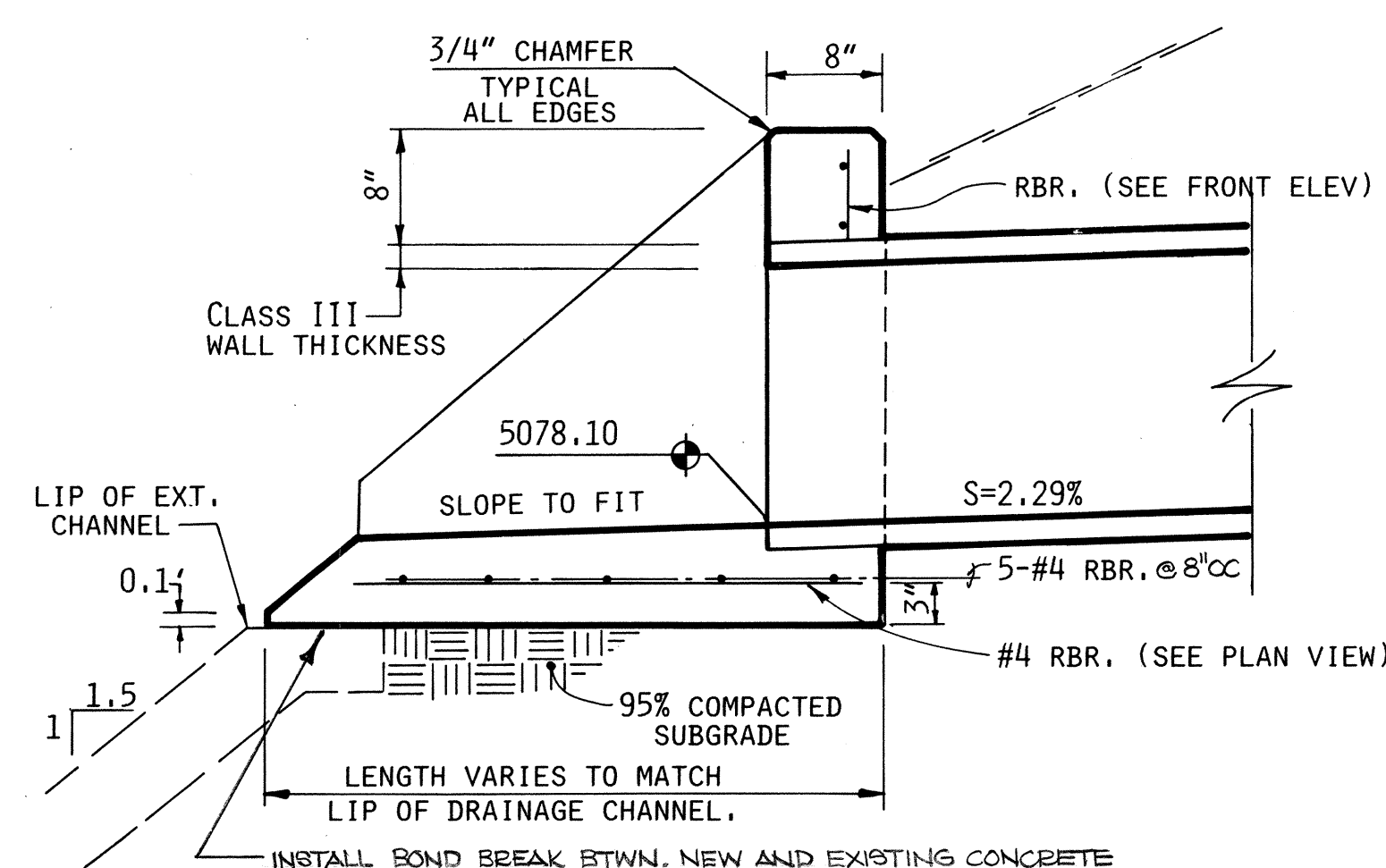
1. "4-LOC BLOK" ARE FULL DIMENSION, MORTAR JOINTS ARE NOT REQUIRED. (DRY STACK CONST.)
2. REMOVE AND REPLACE IRRIGATION LINES AND SPRINKLER HEADS AS NECESSARY.
3. REMOVE, STOCKPILE, AND REPLACE GRASS SOD TO NEW GRADES.
4. INSTALL WATER PROOF MEMBRANE ON EARTHEN SIDE OF ALL BLOCK.
5. CUT BLOCK FOR CORNER ANGLES, CONCRETE FILL VOIDS.



PLAN VIEW



SECTION B-B

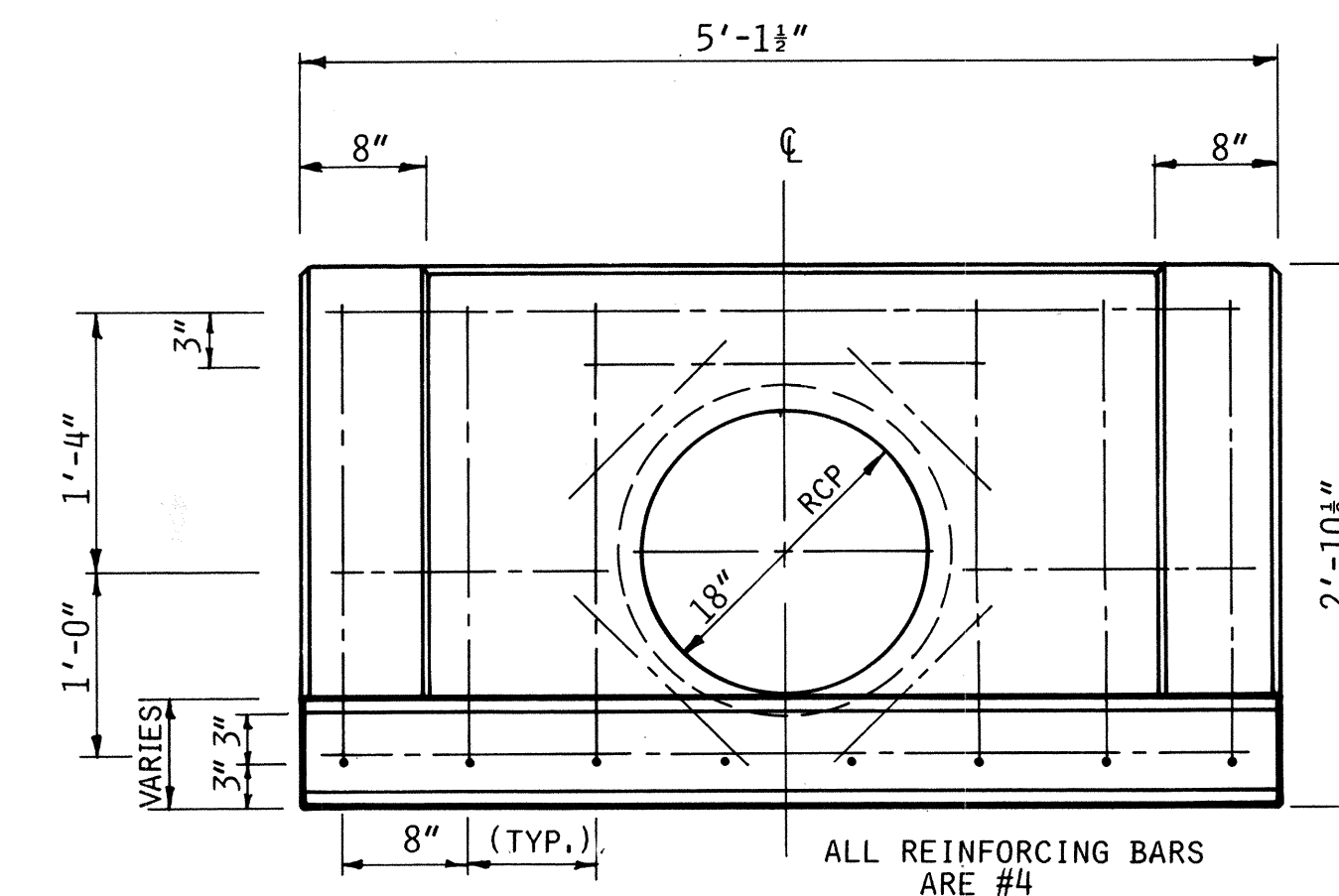


SECTION A-A

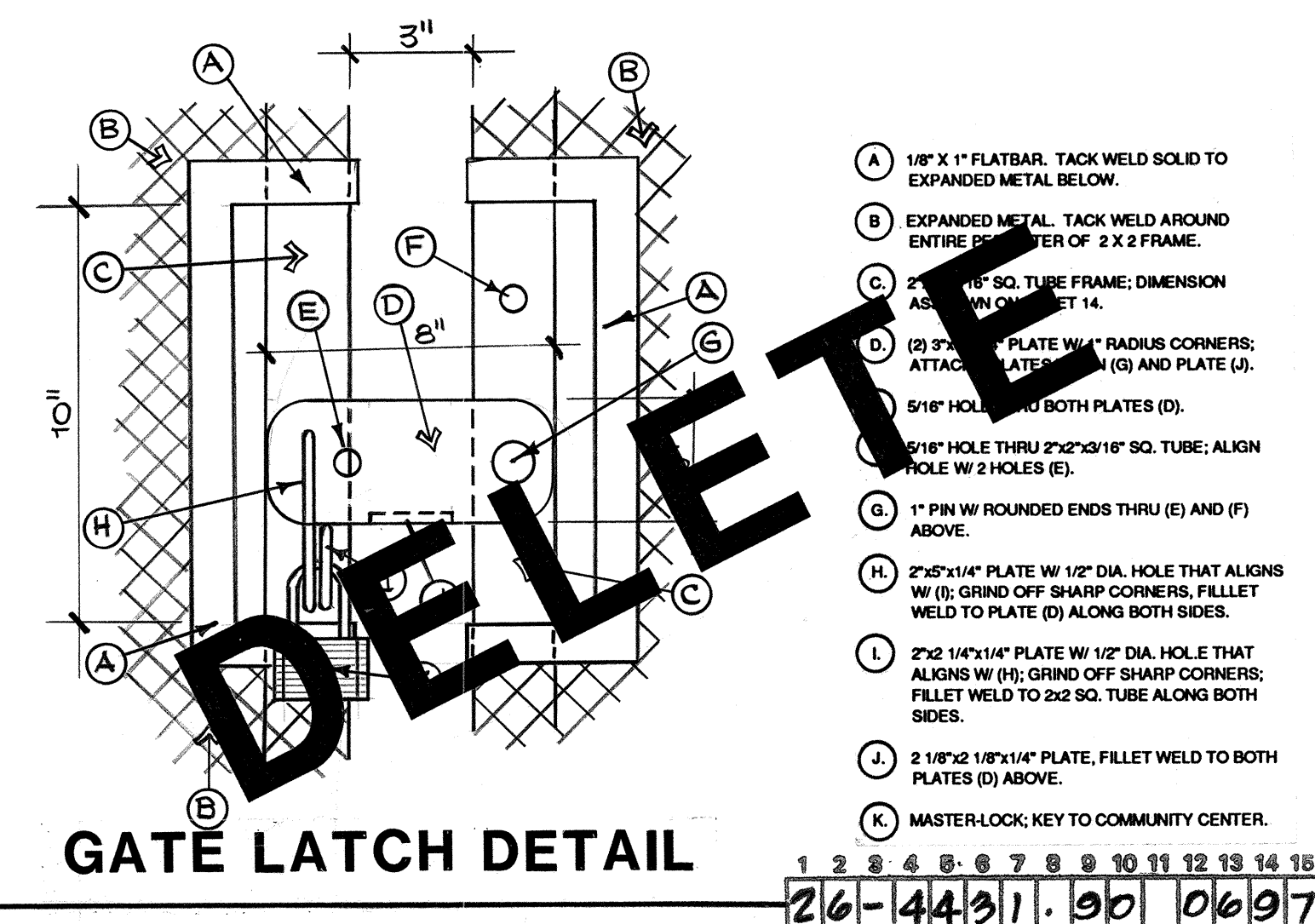
STORM DRAIN OUTLET STRUCTURE
1"=1'-0"

REINFORCING NOTES

L #4 RBR.--RUN = VARIES, HT. = 2'-6"



FRONT ELEVATION

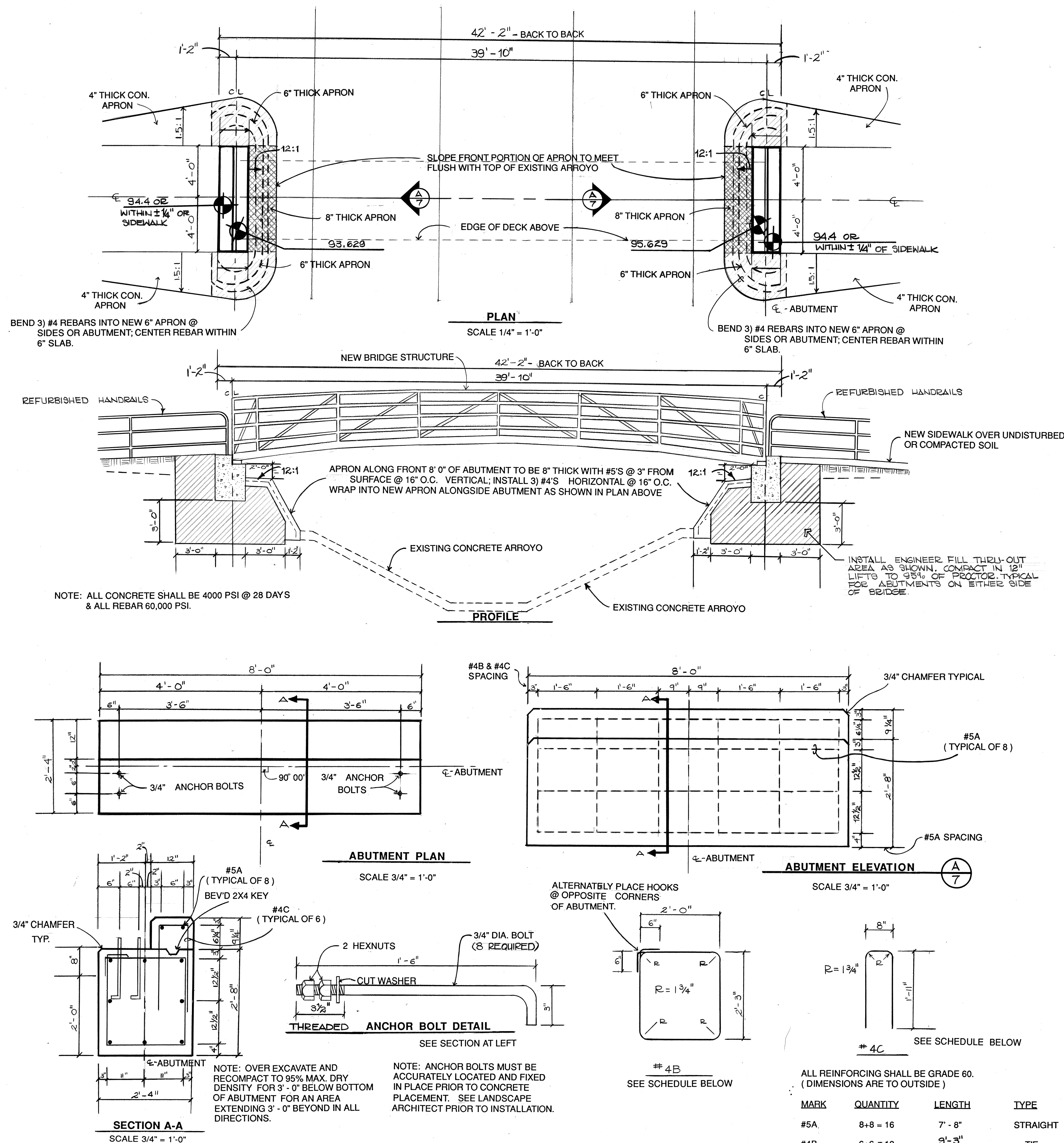


GATE LATCH DETAIL

SCALE: 3" : 1'-0"

[illegible]

CITY OF ALBUQUERQUE PARKS & RECREATION DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK SITE DETAILS & RETAINING WALL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-92	WATER	R.W. Korne	8-5-92
TRANSPORTATION	N.D. RUP	8-10-92	WASTE WATER	R.W. Korne	8-5-92
HYDROLOGY	CAM	8-5-92			
PROJECT NO. 4431 90		MAP NO. M - 15		SHEET 6 OF 15	



SPECIFICATIONS

SCOPE:

These specifications are for a fully engineered clear span bridge of steel construction and shall be regarded as minimum standards for designing and construction of a prefabricated bridge for Kirtland Park. This bridge will be delivered to the job site by the manufacturer. Construction will not be done by the manufacturer.

SPAN AND WIDTH:

Clear span length (straight dimension) shall be 40 feet - 0 inches (40'-0"). Bridge inside deck width shall be 6 feet 0 inches (6'-0").

ENGINEERING:

Bridges up to 50 foot length shall be designed for light recreation usage (parks, bicycle crossing, trails, equestrian crossing, etc.). Bridges shall be designed for a minimum load of 100 pounds per square foot.

ALLOWABLE DESIGN STRESSES:

All bridge applications shall be designed in accordance with the "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings by the American Institute of Steel Construction" (AISC)-latest edition.

GEOMETRY:

Low Profile Design.

RAILING HEIGHT:

Railing height (top of truss top chord) to be 42 inches above deck.

A. Diagonals: One diagonal per panel.
B. Rails: 7 3/8 inch center to center.
C. Camber: Bridge camber- at center of bridge span shall be 2 1/2" of the total bridge span. This produces localized deck slopes that are approximately equal to the maximum handicap access slope of 8.33%.

MATERIALS:

Bridges which are not to be painted shall be fabricated from high strength, self-weathering, low alloy, atmospheric corrosion-resistant ASTM A588, ASTM606, or ASTM A242 plate and structural shapes (Fy=50,000 psi).

Anchor bolts & Nuts to be provided by bridge manufacturer.

1' X 1' bearing plates with slotted holes will be included with the delivery of the bridge and are to be placed at the anchor bolt locations with spaces between the plate and footing.

All welding shall utilize E80 series electrodes which have the same weathering characteristics as corrosion-resistant steel.

DECKING:

Nominal 2 X 10 planks for equestrian and 5,000 pound vehicle loads.

Wood decking shall be kiln dried West Coast Region Douglas Fir or Southern Yellow Pine select structural planks. Decking to be treated to AWA standard P-5. Preservatives utilized shall be either Ammoniacal Copper Arsenate (Chenonite or ACA) or Chromated Copper Arsenate (CCA). Decking shall be treated to a total absorption of 0.40 pounds per cubic foot of wood or to refusal.

Bridge manufacturer will take care when installing wood decking to minimize possible gaps caused by wood shrinkage. Planks shall be mounted flush and bolted on each end of each plank. An additional four (4) planks will be supplied for future use by the owner.

FABRICATION:

Workmanship, fabrication and shop connections shall be in accordance with American Association of State Highway and Transportation Officials Specifications (AASHTO).

Welding operations shall be done by properly accredited experienced operators, each of whom shall submit satisfactory evidence of experience and skill in welding structural steel with the kind of welding to be used in the work and who has demonstrated the ability to make uniform good welds of the type required. Manufacturer to provide welded plate to deck, over 1" expansion gap, flush with top of footing.

FINISHING:

Self Weathering Bridges: All exposed surfaces of self-weathering steel shall be cleaned in accordance with Steel Structures Painting Council Surface Preparation Specifications No. 6 Commercial Blast Cleaning, SSPC-SP 6-63.

DELIVERY AND ERECTION:

Delivery of the bridge shall be made to a location nearest the site which is accessible to over-the-road trucks, unless otherwise specified.

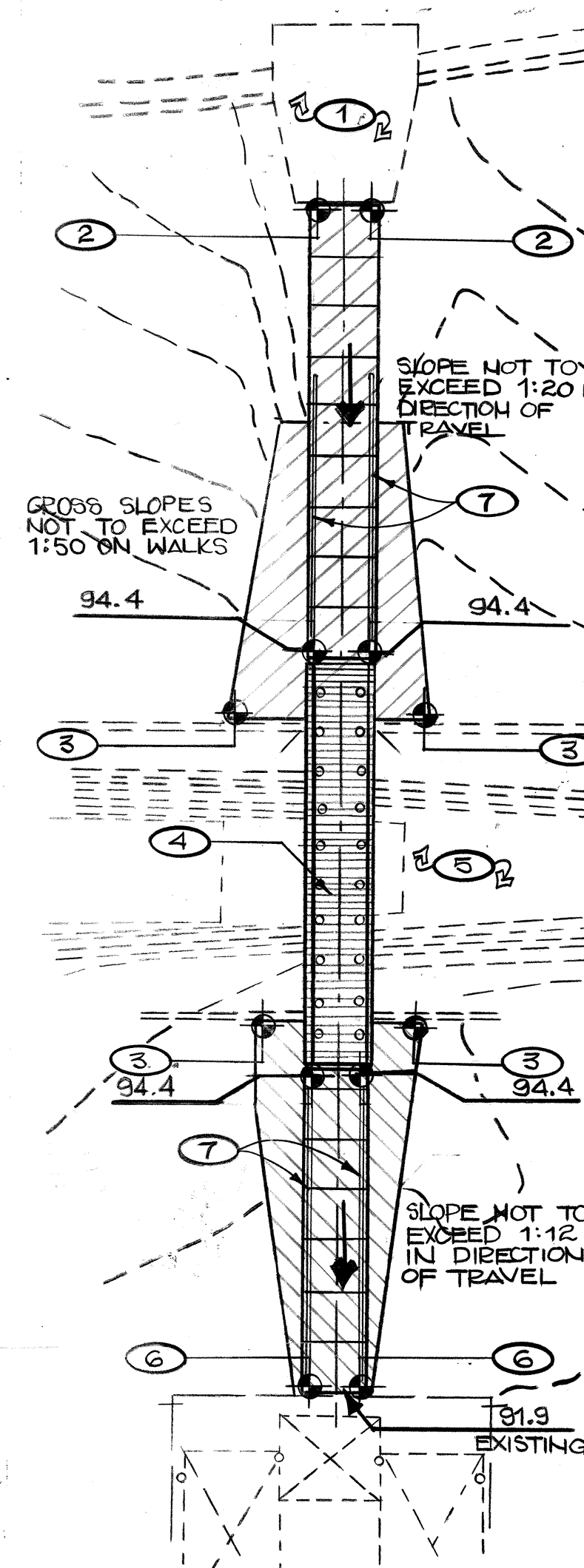
The contractor shall be responsible for unloading the bridge from the truck at the time of arrival. Manufacturer will satisfy the Contractor in advance of the expected time of shipment and arrival at the site. Contractor is responsible for storing the bridge during construction.

The Manufacturer or his representative shall instruct the Contractor or his representative in the proper lifting procedure for the unloading of the bridge. Care must be taken to prevent damage to the finish of the bridge.

The unloading, splicing (if required), and placement of the bridge shall be the responsibility of the Contractor. The procedure for bolting field splices will be given to the Contractor by the Manufacturer.

FLAG NOTES

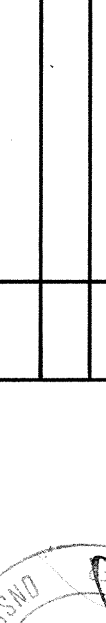
- 1 Existing concrete curb cut to remain.
- 2 Top of new sidewalk to match existing top of curb cut to within $\pm 1/4"$ of elevation.
- 3 Top of new conc. apron to match existing arroyo edge to within $\pm 1/4"$ of elevation.
- 4 New bridge w/ dimensions & configuration as shown and discussed at left.
- 5 Existing conc. arroyo not to be disturbed.
- 6 Top of new sidewalk to match top of extg. slab to within $\pm 1/4"$ of elevation.
- 7 Wire brush and/or sand existing handrails. Paint with primer and two coats of green paint to match new play equipment. Reinstall in new concrete sidewalk approaches to the bridge.



BRIDGE APPROACHES

SCALE : NO SCALE

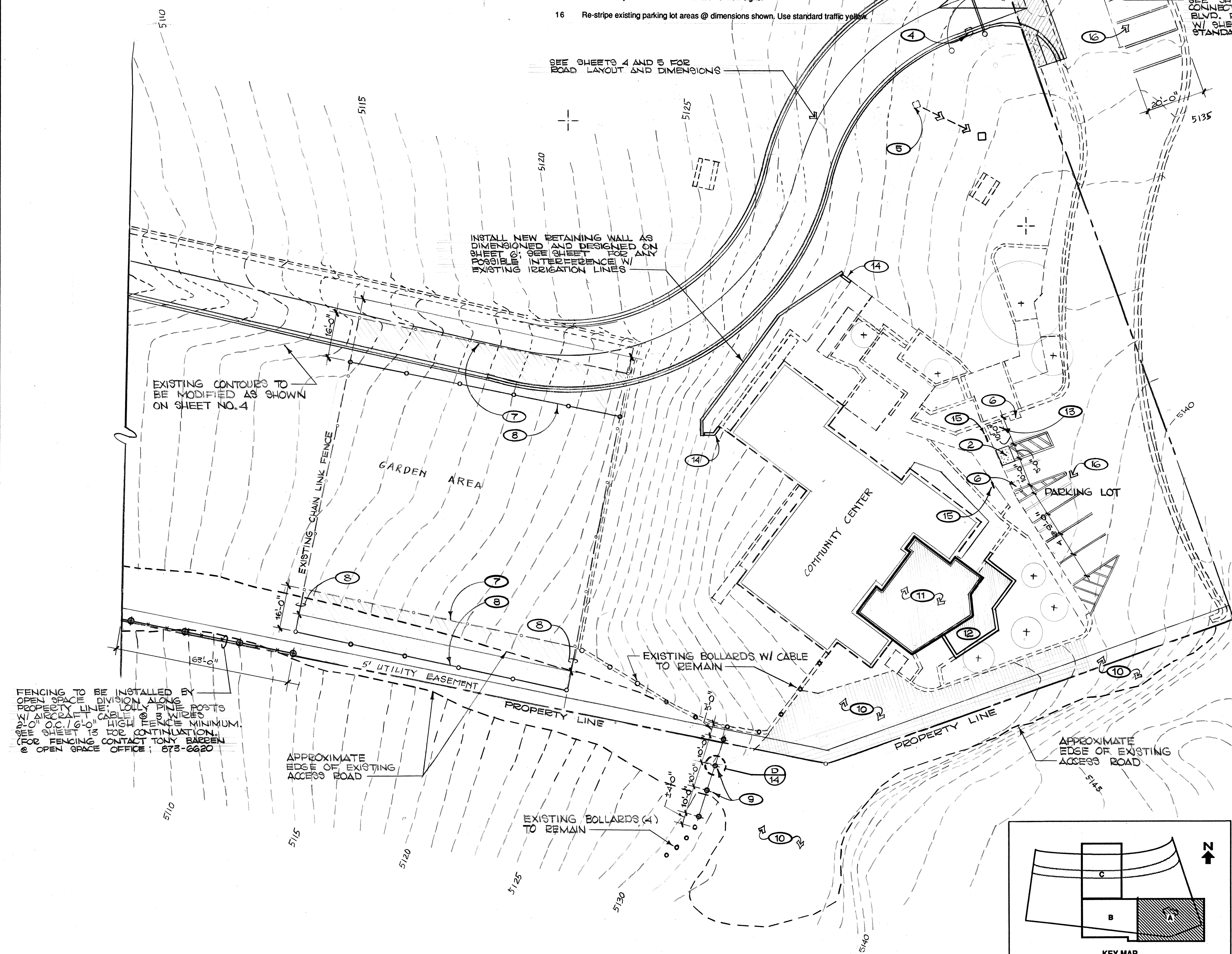
ELEVATION NOTE

NO.		DATE	REVISIONS / REMARKS	BY	ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARK		AS BUILT INFORMATION		
1		7/24/92	SPEC. ON DEC. ADD NOTES	MD		FIELD NOTES				CONTRACTOR		
						NO.	BY	DATE			WORK STAKED BY	
											INSPECTORS APPROVAL	
											FIELD VERIFICATION BY	
											DRAWING CORRECTED BY	
DESIGNED BY: BOB C. MARK D. DATE: 2/25/92										MICRO-FILM INFORMATION		
DRAWN BY: B. BERNAN MARK D. DATE: 2/25/92										RECORDED BY		
CHECKED BY:										NO.		

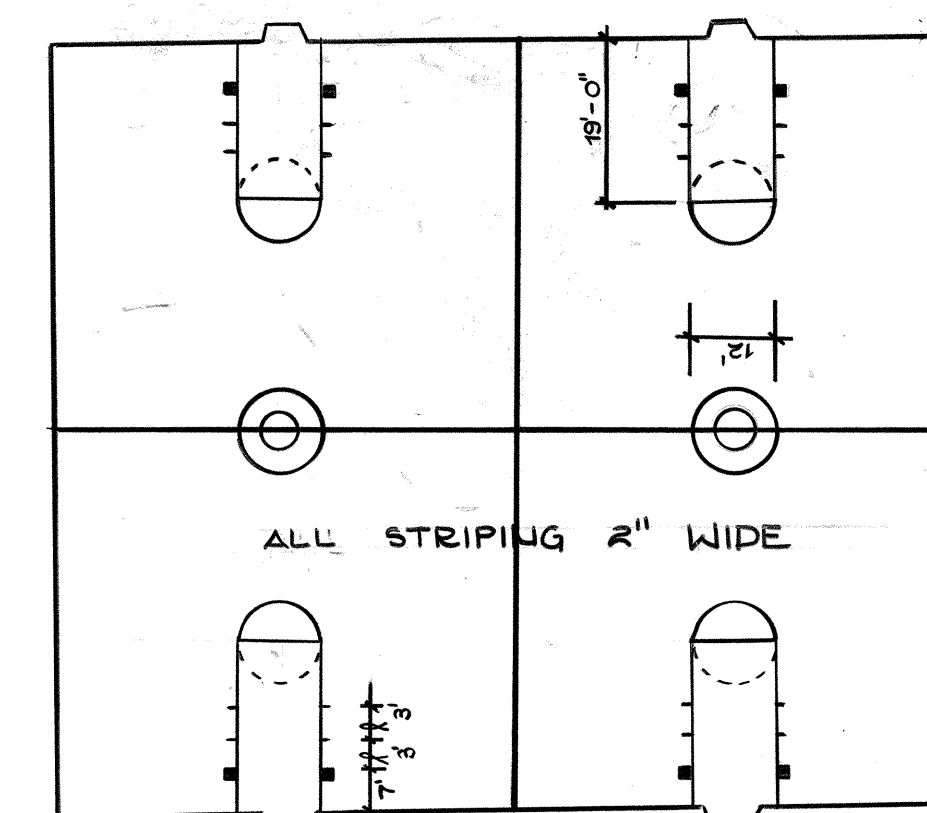
CITY OF ALBUQUERQUE PARKS & RECREATION DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK RENOVATION BRIDGE REPLACEMENTS AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAH	8-10-92	WATER	R.W. Kane	8-5-92
TRANSPORTATION	NARHO	8-07-92	WASTE WATER	R.W. Kane	8-5-92
HYDROLOGY	CAH	8-5-92			
PARKS					
PROJECT NO. 4431			MAP NO.M-15-Z SHEET 7 OF 15		

FLAG NOTES

- 1 Remove and replace 2 sections of existing sidewalk (area approximately 6'-0" wide x 10'-0" long) that are presently collapsed and broken. Refill beneath sidewalk with compactable fill. Compact to 95% proctor. Broom finish new concrete to match existing.
- 2 Install handicap access ramp from parking lot asphalt surface to adjacent sidewalk at location shown. 5'-0" width x 5'-0" run, not to exceed 1:12 slope in direction of travel, or 1:50 cross slope. Walking surface to be exposed aggregate, 3/8" maximum. Sidewalks @ 6" thick min. with 1 #4 continuous. Parking lot surface elevation @ 36.90, top of adjacent sidewalk @ 37.32.
- 3 Install new hinged gatepost and locking post (2 each) as shown. See detail C on sheet 15 for post, gate, and footing design.
- 4 Existing barbecue grille to be removed.
- 5 Move existing barbecue grille to new location as shown.
- 6 Remove existing asphalt ramp from parking area adjacent to sidewalk.
- 7 Existing chain link fence to be removed. Hatched area indicates property to be added to (deleted from) garden area.
- 8 Re-install chain link fence (removed per note no. 7) at location shown. Cut and re-mount chain link fabric as necessary.
- 9 Install 4 new 12" diameter or 12" x 12" square treated wood bollards at location shown, 3'-0" high with single 7/8" cable installed between each. Set bollards in concrete @ a minimum of 2'-0" below grade. Install base of bollard over 12" of 3/4" gravel.
- 10 Class 2 contractor to grade entire roadbed to eliminate small eroded gullies and uneven areas. Install 4" of 1-1/2" gravel over hatched area shown.
- 11 New addition to Tom Bell community center. See community center renovation plans, public works job no. 90003.22.
- 12 New courtyard addition to Tom Bell community center. See community center renovation plans, public works job no. 90003.22.
- 13 Clean out existing storm drain. Remove sand and other sediment from concrete catchment and rooter existing drain line.
- 14 Install 6" x 6" mow strips @ ends of new retaining wall as shown w/ 1/2" exp. jts. either end.
- 15 Install ANSI approved 'Handicap Parking Only' signs @ locations indicated. Sawcut concrete work as necessary to accommodate installation of new signs.
- 16 Re-stripe existing parking lot areas @ dimensions shown. Use standard traffic yellow.

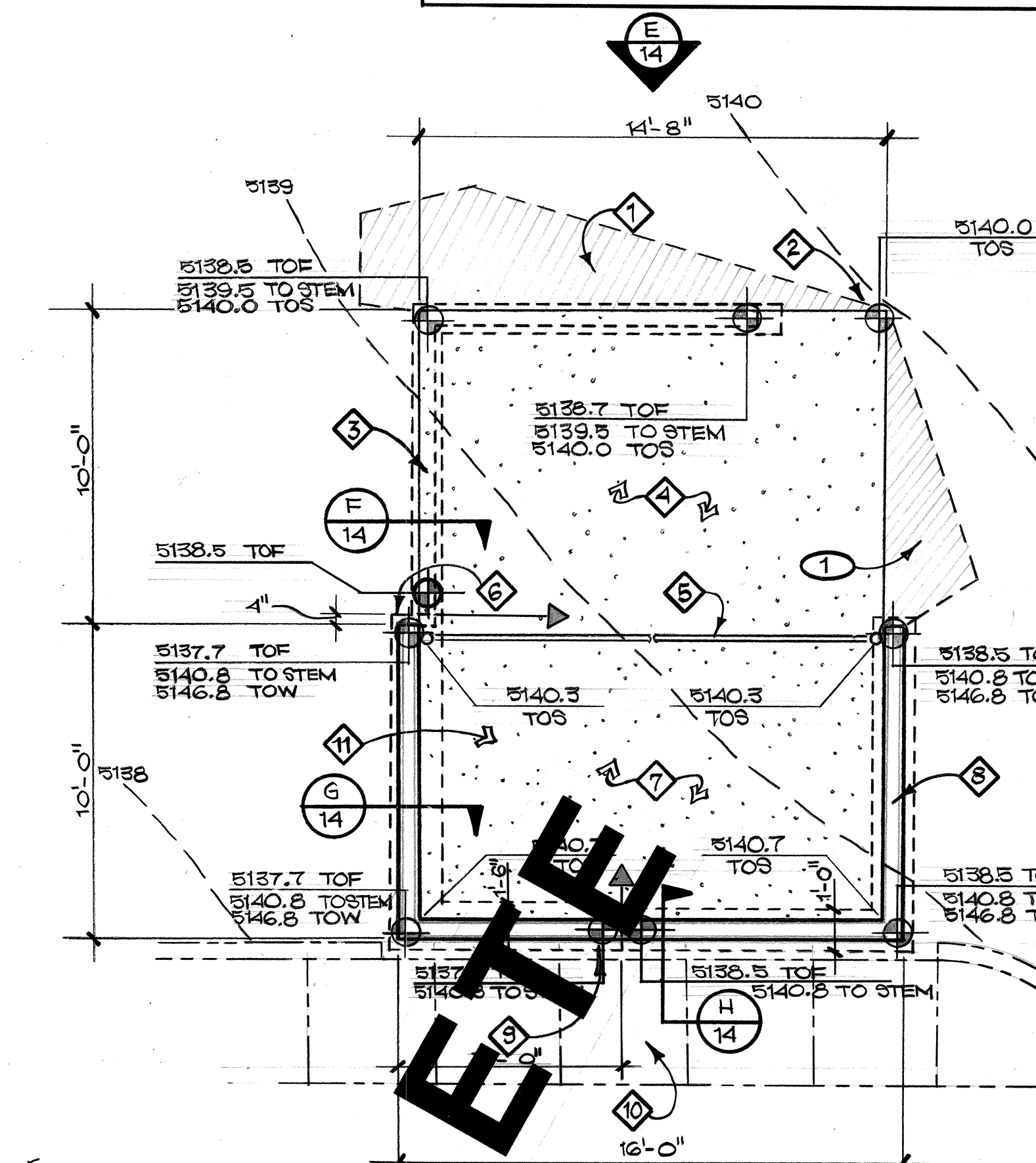


NEW STRIPING TO BE CONTINUED @ 3'-0" INTERVALS CONTINUOUS TO END OF PARKING AREA



STRIPING DETAIL
NTS

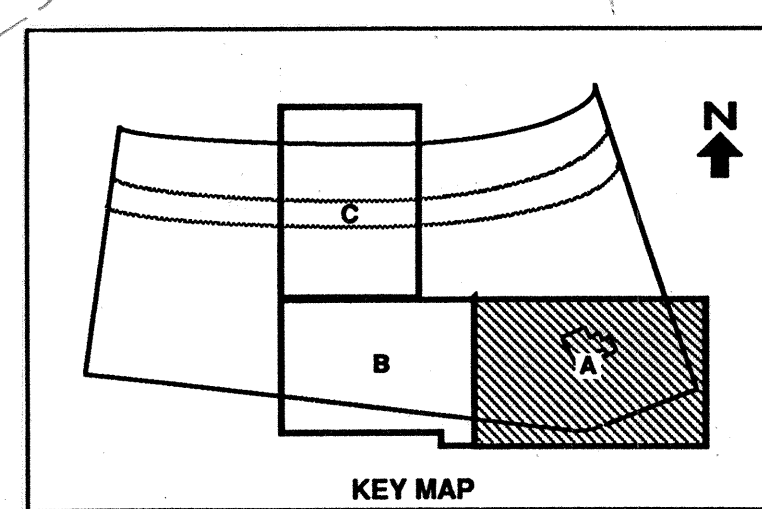
SEE SHEET 4 FOR ROAD LAYOUT AND CONNECTION TO EXISTING UNIVERSITY BLVD. REMOVALS IN ACCORDANCE W/ SHEETS 4 AND 5 AND REFERENCED STANDARD DETAILS.



GARBAGE ENCLOSURE PLAN

GARBAGE ENCLOSURE FLAG NOTES

- 1 Remove and replace existing asphalt to allow a relatively smooth transition between new concrete slab and parking lot asphalt material. Slope of new asphalt not to exceed 1:4. Height differential between new concrete and new asphalt not to exceed + 1/4".
 - 2 Top of new concrete slab should be established to within + 1/4" of existing asphalt. If not, then remove enough additional asphalt to assure a smooth transition.
 - 3 Stem wall and edge of slab to be exposed along this side.
 - 4 New 6" air entrained 4000 psi slab with #3's both ways @ 2'-0" o.c. Heavy broom finish.
 - 5 New steel access gates. See detail J on sheet 14.
 - 6 Footing width steps down by 8". See design sections.
 - 7 New 4" air entrained 4000 psi slab with #3's both ways @ 2'-0" o.c. Medium broom finish.
 - 8 Split face CMU wall, 8" x 8" x 16" block with 8" x 8" grooved appearance. Use finish cap block @ top, #4s vertical @ 32" o.c. and pour solid @ 32" o.c.
 - 9 Back of cmu wall to be constructed flush to front of concrete curb. Remove approximately 17'-0" of existing curb and gutter to construct footing. Re-pour curb flush to new stem wall w/ 1/2" expansion joint between.
 - 10 Existing sidewalk to remain.
 - 11 Install compactable fill directly over existing asphalt in 6" lifts. Compact to 95% proctor prior to pouring new slab.
- IDENTIFIES A BREAK IN FOOTING ELEVATION. SEE ELEVATIONS AS CALLED OUT IN PLAN ABOVE FOR CORRECT DEPTHS.
- 26-4431.90 0897



AS BUILT INFORMATION				BENCH MARK				SURVEY INFORMATION				ENGINEER'S SEAL				REVISIONS / REMARKS			
CONTRACTOR	WORK STAKED BY	DATE	INSPECTORS APPROVAL	DATE	FIELD VERIFICATION BY	DATE	DRAWING CORRECTED BY	DATE	NO.	BY	DATE	NO.	DATE	BY	MD	NO.	DATE	BY	MD
MICRO-FILM INFORMATION				RECORDED BY				NO.				DESIGNED BY: M. DEAR				DATE: 5/15/92			
												DRAWN BY: T.S. M.D. B.B.				DATE: 5/15/92			
												CHECKED BY:				DATE:			

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

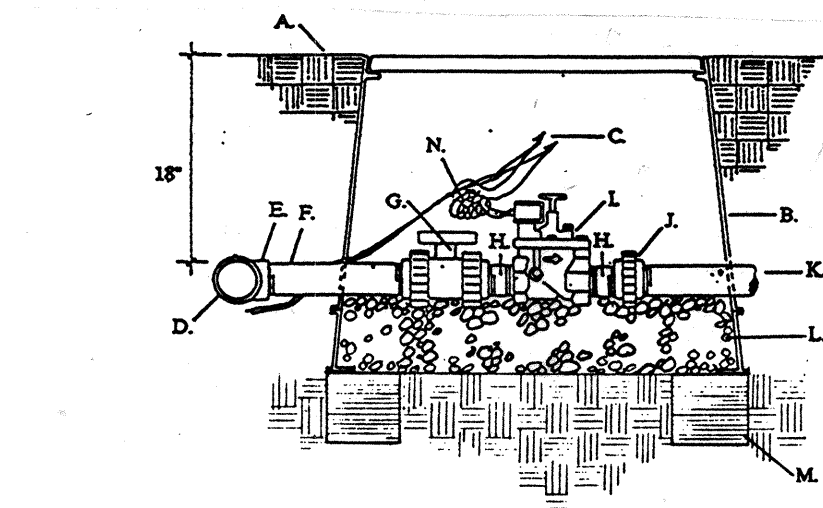
TITLE: KIRTLAND PARK RENOVATION
CONSTRUCTION PLAN - AREA A

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-92	WATER	R.W. Kane	8-5-92
TRANSPORTATION	J.A. CHD	8-02-92	WASTE WATER	R.W. Kane	8-5-92
HYDROLOGY	CAM	8-5-92			
PARKS					

PROJECT NO. 4431.90 MAP NO. M-15-Z SHEET 8 OF 15

IRRIGATION NOTES

- PRIOR TO THE START OF CONSTRUCTION THE LOCATIONS OF ALL EXISTING UTILITY LINES SHALL BE MARKED. VERIFY LOCATIONS WITH THE CITY OF ALBUQUERQUE AND ALL PUBLIC UTILITIES. EXISTING IRRIGATION LINE LOCATIONS ARE NOT CONFIRMED. EXACT LOCATIONS NEED TO BE VERIFIED BEFORE CONSTRUCTION STARTS.
- CONTROL WIRES SHALL BE IDENTIFIED WITH EZ - CODER WDR SERIES TAPE @ VALVE CONTROLLER.
- NEW CONTROL VALVES SHALL BE TIED INTO IRRIGATION CONTROLLER LOCATED BEHIND SOUTHWEST CORNER OF COMMUNITY CENTER.
- NEW SPRINKLERS IN PARK AREA ARE TO BE HUNTER HEADS; AS REQUESTED BY PARK MANAGEMENT. BUBBLERS ARE TO BE RAINBIRD 1404s.
- WHEN LOCATING HEADS IN THE FIELD, CARE SHALL BE TAKEN TO SPACE HEADS AS SHOWN ON THE PLAN. HOWEVER, MINOR ADJUSTMENTS IN THE HEAD LAYOUT MAY BE REQUIRED TO MEET MINOR VARIATION BETWEEN PLAN DIMENSIONS AND SITE DIMENSIONS.
- ALL SPRINKLER HEADS, NEW AND EXISTING, IN CONSTRUCTION AREA SHALL BE ADJUSTED UP OR DOWN TO INSURE PROPER THROW RADIUS OF WATER AS NECESSARY.
- ALL PRODUCTS SHALL BE AS SPECIFIED OR APPROVED SUBSTITUTIONS.



GENERAL NOTES

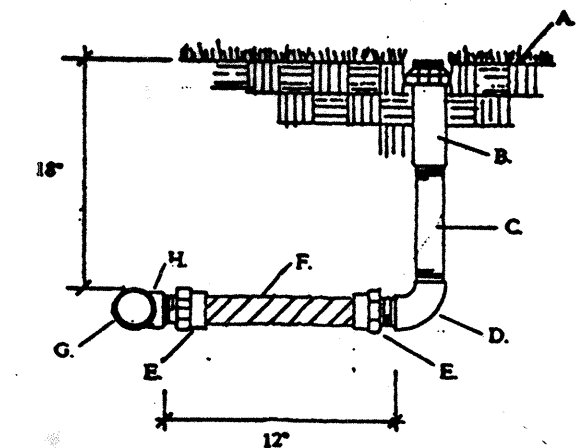
- Install an 8" x 8" x 16" solid CMU block at each corner of the valve box.
- Wash rock shall be installed flush with bottom of pipe and valve.

A
10

ELECTRIC CONTROL VALVE
N.T.S.

CONSTRUCTION NOTES

- Finish grade.
- Brooks Products Inc., 1700 PB-18 Body (ABS) valve box with 1700 Bolt Down Cover (ABS) and one 8" extension.
- 3/4" Schedule 80 PVC x 12" nipple.
- Irrigation manifold.
- Irrigation manifold service tee or ell.
- Schedule 80 PVC x 12" nipple.
- Spears True Union Schedule 80 PVC Ball Valve.
- Schedule 80 PVC 4" Nipple.
- Electric Valve (Reference the Drawing).
- Spears Schedule 80 PVC Union.
- Lateral line.
- 1" diameter washed rock.
- 8" x 8" x 16" solid CMU block.
- 24" wire expansion coil.



GENERAL NOTES

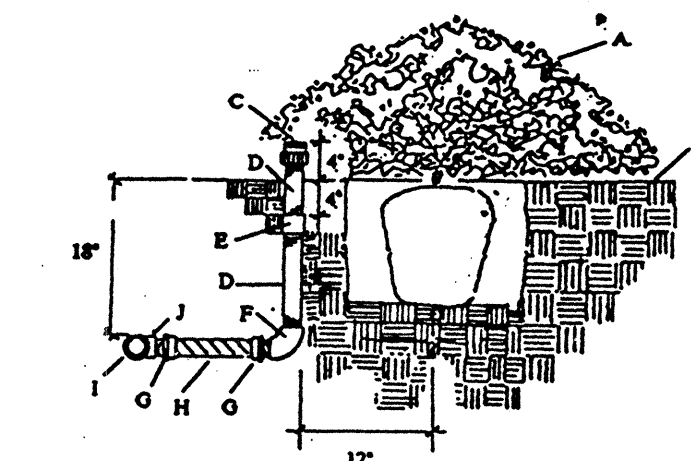
- This detail shall be used for pop-up shrub spray, pop-up lawn spray, gear driven and rotary sprinkler heads.
- Lateral line pressure testing shall be completed prior to installation of the pipe assembly. Lateral line testing shall be accomplished by installing a plug in the outlet of lateral line and side.
- Top of sprinkler head shall be set flush with finish grade.

B
10

SPRINKLER W/ FLEX HOSE
N.T.S.

CONSTRUCTION NOTES

- Finish grade.
- Sprinkler head (reference the drawing).
- Sch. 80 PVC nipple. Length varies depending upon size of sprinkler head.
- Sch. 40 PVC threaded ell.
- Sch. 40 PVC MIP adapter.
- PVC flexible vinyl pipe, set. IFS from Agricultural Products Inc. (818-768-3303).
- Lateral pipe.
- Sch. 40 PVC Sch. 40 Tee or Sch. 40 ell.



GENERAL NOTES

- Lateral line pressure testing shall be completed prior to installation of the pipe assembly. Lateral line testing shall be accomplished by installing a plug in the outlet of lateral line and side.
- Bubbler shall always be installed on the uphill side of shrub.

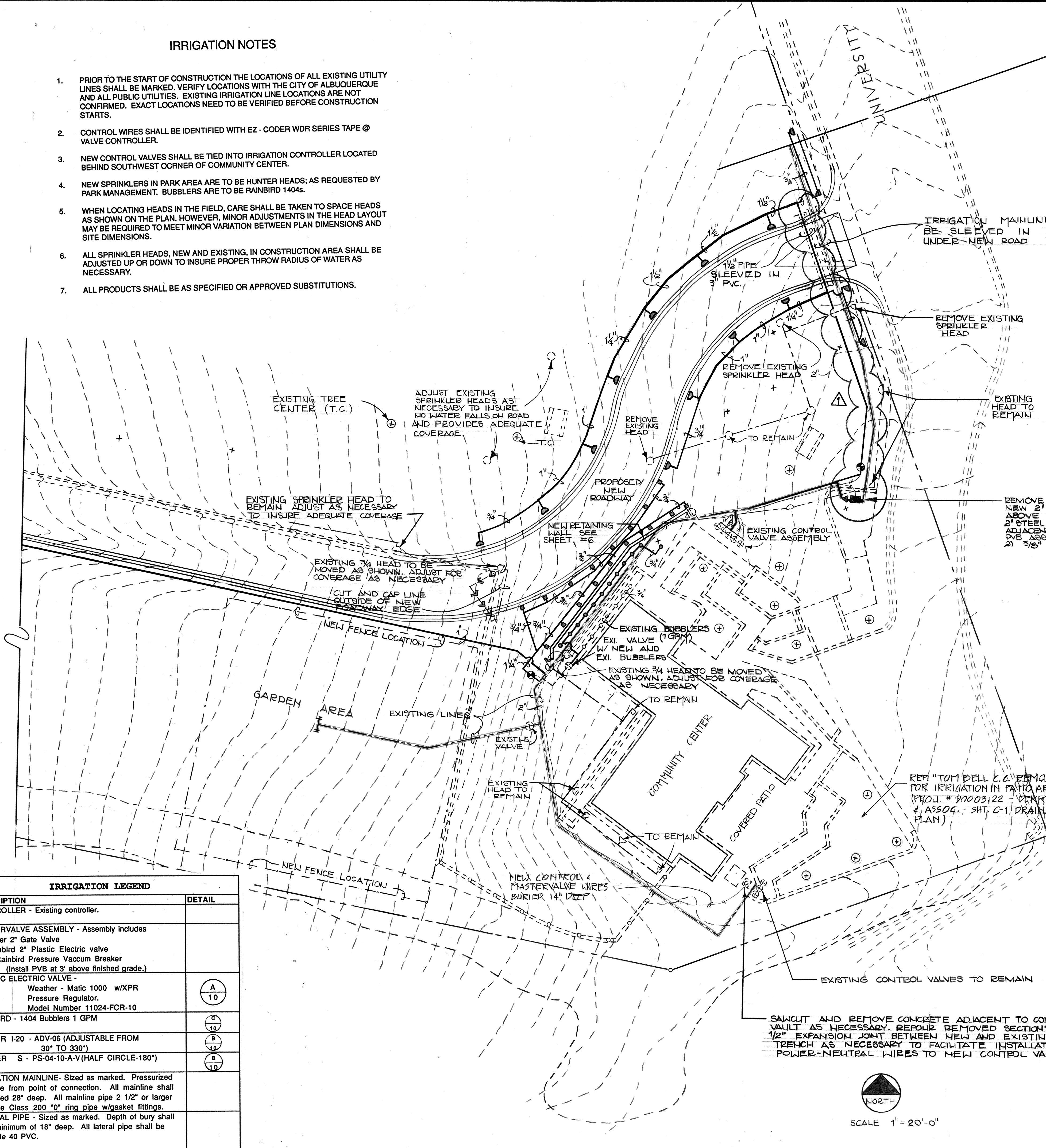
CONSTRUCTION NOTES

- Shrub.
- Finish grade.
- Bubbler head (Reference the Drawing).
- Sch. 80 PVC nipple.
- Sch. 40 PVC threaded connector.
- Sch. 40 PVC threaded ell.
- Sch. 40 PVC MIP adapter.
- PVC flexible vinyl pipe, set. IFS from Agricultural Products Inc. (818-768-3303).
- Lateral Pipe.
- Sch. 40 PVC Sch. 40 Tee or Sch. 40 ell.

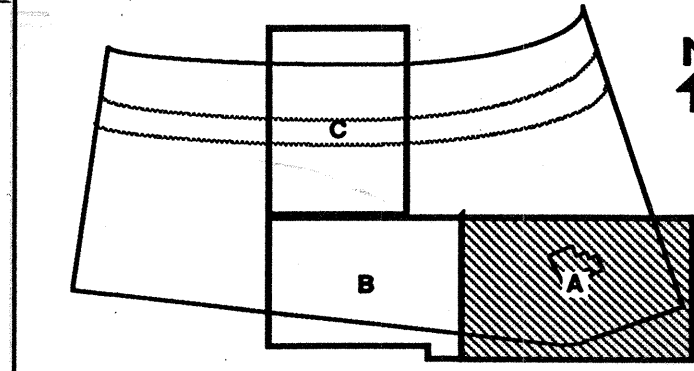
C
10

BUBBLER AT SHRUB PLANTING
N.T.S.

IRRIGATION LEGEND		
SYMBOL	DESCRIPTION	DETAIL
	CONTROLLER - Existing controller.	
	MASTERVERVALVE ASSEMBLY - Assembly includes: 1. Pegler 2" Gate Valve 2. Rainbird 2" Plastic Electric valve 3. 2" Rainbird Pressure Vacuum Breaker (Install PVB at 3' above finished grade.)	
	PLASTIC ELECTRIC VALVE - Weather - Matic 1000 w/XPR Pressure Regulator. Model Number 11024-FCR-10	A 10
	RAINBIRD - 1404 Bubblers 1 GPM	C 10
	HUNTER I-20 - ADV-06 (ADJUSTABLE FROM 30" TO 330")	B 10
	HUNTER S - PS-04-10-A-V (HALF CIRCLE-180")	B 10
	IRRIGATION MAINLINE - Sized as marked. Pressurized mainline from point of connection. All mainline shall be buried 28" deep. All mainline pipe 2 1/2" or larger shall be Class 200 "0" ring pipe w/gasket fittings.	
	LATERAL PIPE - Sized as marked. Depth of bury shall be a minimum of 18" deep. All lateral pipe shall be schedule 40 PVC.	

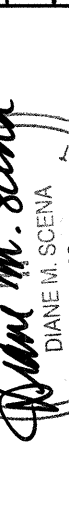


SCALE 1" = 20'-0"

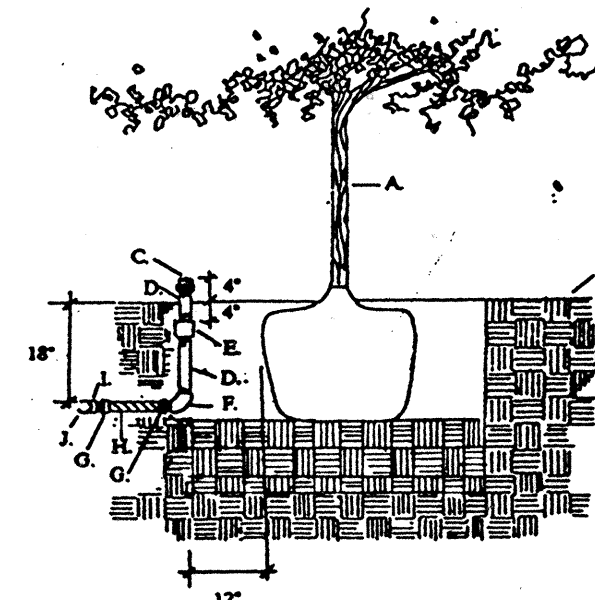
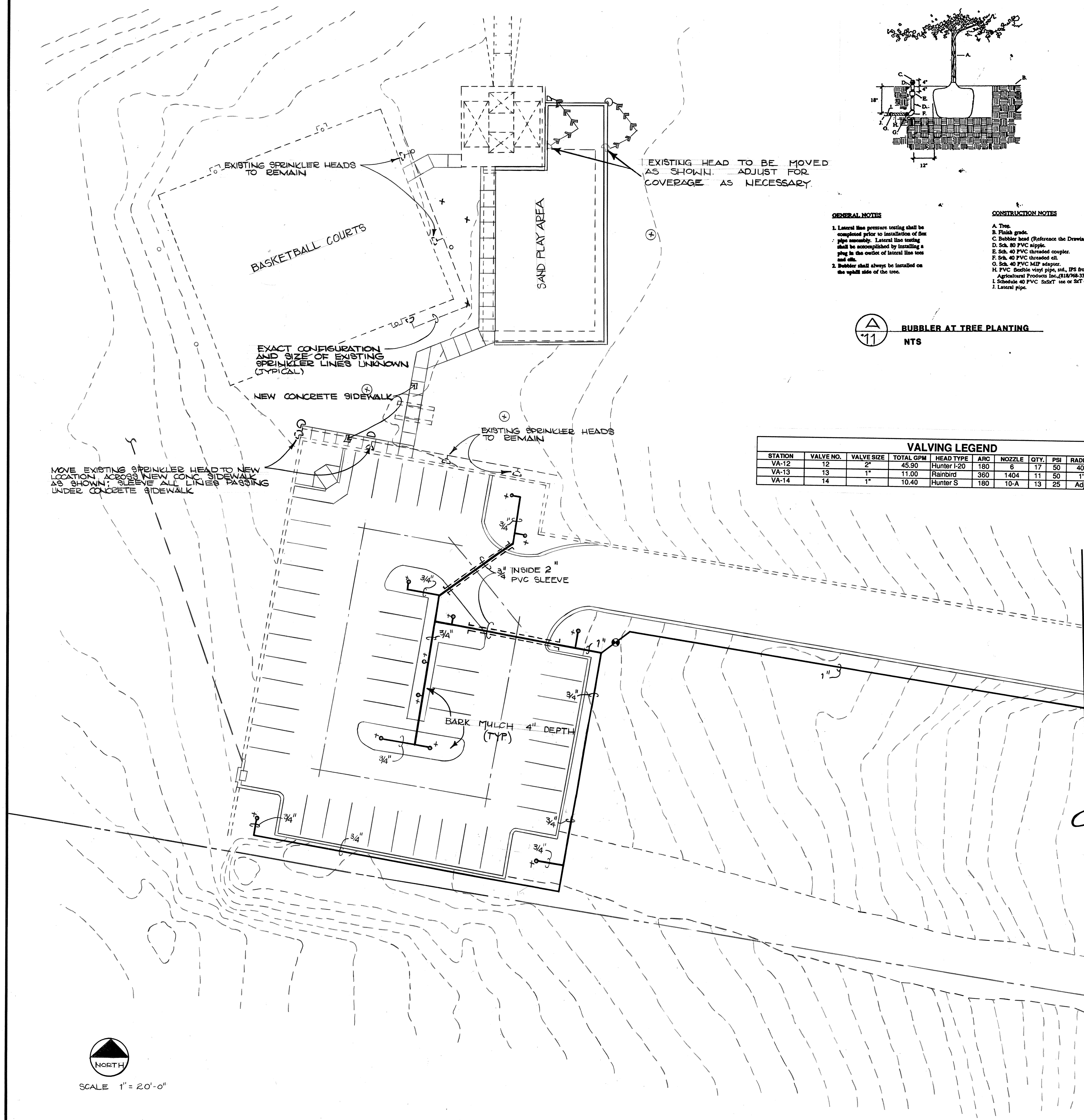


KEY MAP

SAWCUT AND REMOVE CONCRETE ADJACENT TO CONTROLLER VAULT AS NECESSARY. REPAIR REMOVED SECTIONS W/ 1/2" EXPANSION JOINT BETWEEN NEW AND EXISTING CONCRETE. TRENCH AS NECESSARY TO FACILITATE INSTALLATION OF POWER-NEUTRAL WIRES TO NEW CONTROL VALVES.

AS BUILT INFORMATION			BENCH MARK			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS / REMARKS			BY								
CONTRACTOR						FIELD NOTES																	
WORK STAKED BY			DATE:			BY			DATE														
INSPECTORS APPROVAL			DATE:																				
FIELD VERIFICATION BY			DATE:																				
DRAWING CORRECTED BY			DATE:																				
MICRO-FILM INFORMATION																							
RECORDED BY			DATE																				
NO.																							
DESIGNED BY: M. DEAR B. BREENAN DATE: 5/20/92																							
DRAWN BY: T.G. B.B. M.D. DATE: 5/20/92																							

CITY OF ALBUQUERQUE PARKS & RECREATION DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK IRRIGATION PLAN AREA A					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-18-92	WATER	R.W. Kane	8-5-92
TRANSPORTATION	WACW	8-07-92	WASTE WATER	R.W. Kane	8-5-92
HYDROLOGY	CAM	8-5-92			
PROJECT NO. 4431		MAP NO. M-15		SHEET 10 OF 15	
90					



GENERAL NOTES

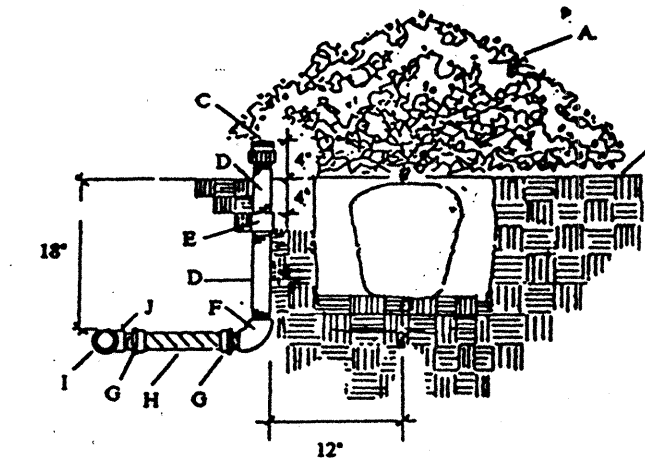
1. Lateral line pressure testing shall be completed prior to installation of the pipe assembly. Lateral line testing shall be accomplished by installing a plug in the outlet of lateral line tee and ell.
2. Bubbler shall always be installed on the uphill side of the tree.

CONSTRUCTION NOTES

- A. Tree.
- B. Finish grade.
- C. Bubbler head (Reference the Drawing).
- D. Sch. 80 PVC nipple.
- E. Sch. 40 PVC threaded coupler.
- F. Sch. 40 PVC threaded ell.
- G. Sch. 40 PVC MIP adapter.
- H. PVC flexible vinyl pipe, std. IPS from Agricultural Products Inc. (818-768-3303).
- I. Schedule 40 PVC SdrT Tee or SdrT ell.
- J. Lateral pipe.

11 RUBBLER AT TREE PLANTING
NTS

VALVING LEGEND										
STATION	VALVE NO.	VALVE SIZE	TOTAL GPM	HEAD TYPE	ARC	NOZZLE	QTY.	PSI	RADIUS	GPM
VA-12	12	2"	45.90	Hunter I-20	180	6	17	50	40'	2.7
VA-13	13	1"	11.00	Rainbird	360	1404	11	50	1'	1
VA-14	14	1"	10.40	Hunter S	180	10-A	13	25	Adj.	0.8



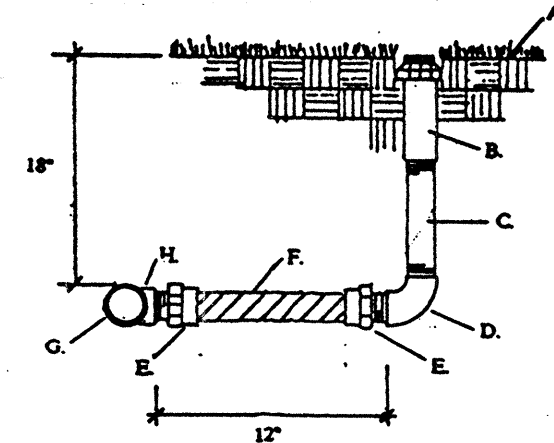
GENERAL NOTES

1. Lateral line pressure testing shall be completed prior to installation of the pipe assembly. Lateral line testing shall be accomplished by installing a plug in the outlet of lateral line tee and ell.
2. Bubbler shall always be installed on the uphill side of shrub.

CONSTRUCTION NOTES

- A. Shrub.
- B. Finish grade.
- C. Bubbler head (Reference the Drawing).
- D. Sch. 80 PVC nipple.
- E. Sch. 40 PVC threaded coupler.
- F. Sch. 40 PVC threaded ell.
- G. Sch. 40 PVC MIP adapter.
- H. PVC flexible vinyl pipe, std. IPS from Agricultural Products Inc. (818-768-3303).
- I. Lateral Pipe.
- J. Sch. 40 PVC SdrT Tee or SdrT ell.

11 RUBBLER AT SHRUB PLANTING
NTS



GENERAL NOTES

1. This detail shall be used for pop-up shrub spray, pop-up lawn spray, gear driven and rotary sprinkler heads.
2. Lateral line pressure testing shall be completed prior to installation of the pipe assembly. Lateral line testing shall be accomplished by installing a plug in the outlet of lateral line tee and ell.
3. Top of sprinkler head shall be set flush with finish grade.

CONSTRUCTION NOTES

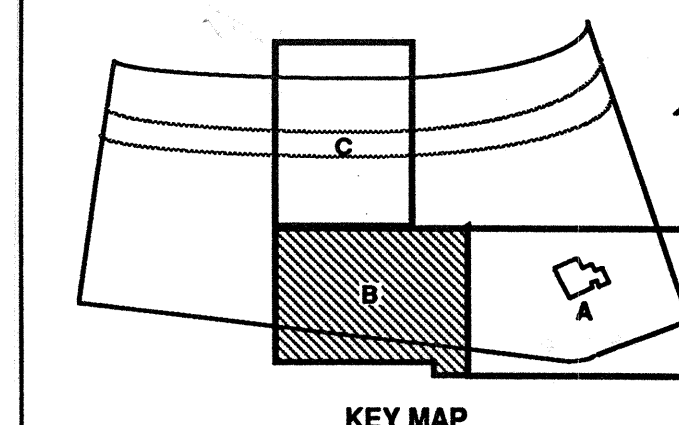
- A. Finish grade.
- B. Sprinkler head (reference the drawing).
- C. Sch. 80 PVC nipple. Length varies depending upon size of sprinkler head.
- D. Sch. 40 PVC threaded ell.
- E. Sch. 40 PVC MIP adapter.
- F. PVC flexible vinyl pipe, std. IPS from Agricultural Products Inc. (818-768-3303).
- G. Lateral pipe.
- H. Sch. 40 PVC SdrT Tee or SdrT ell.

11 SPRINKLER W / FLEX HOSE
N.T.S.

IRRIGATION NOTES

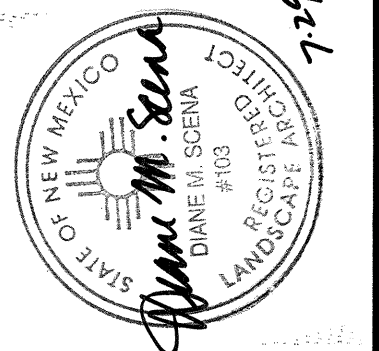
1. PRIOR TO THE START OF CONSTRUCTION THE LOCATIONS OF ALL EXISTING UTILITY LINES SHALL BE MARKED. VERIFY LOCATIONS WITH THE CITY OF ALBUQUERQUE AND ALL PUBLIC UTILITIES. EXISTING IRRIGATION LINE LOCATIONS ARE NOT CONFIRMED. EXACT LOCATIONS NEED TO BE VERIFIED BEFORE CONSTRUCTION STARTS.
2. CONTROL WIRES SHALL BE IDENTIFIED WITH EZ - CODER WDR SERIES TAPE @ VALVE CONTROLLER.
3. NEW CONTROL VALVES SHALL BE TIED INTO IRRIGATION CONTROLLER LOCATED BEHIND SOUTHWEST CORNER OF COMMUNITY CENTER.
4. NEW SPRINKLERS IN PARK AREA ARE TO BE HUNTER HEADS; AS REQUESTED BY PARK MANAGEMENT. BUBBLERS ARE TO BE RAINBIRD 1404s.
5. WHEN LOCATING HEADS IN THE FIELD, CARE SHALL BE TAKEN TO SPACE HEADS AS SHOWN ON THE PLAN. HOWEVER, MINOR ADJUSTMENTS IN THE HEAD LAYOUT MAY BE REQUIRED TO MEET MINOR VARIATION BETWEEN PLAN DIMENSIONS AND SITE DIMENSIONS.
6. ALL SPRINKLER HEADS, NEW AND EXISTING, IN CONSTRUCTION AREA SHALL BE ADJUSTED UP OR DOWN TO INSURE PROPER THROW RADIUS OF WATER AS NECESSARY.
7. ALL PRODUCTS SHALL BE AS SPECIFIED OR APPROVED SUBSTITUTIONS.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4431.90 11/07



CITY OF ALBUQUERQUE PARKS / GENERAL SERVICES DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK IRRIGATION PLAN AREA B					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-22	WATER	R.W. Kane	8-5-92
TRANSPORTATION	MARCO	8-07-92	WASTE WATER	R.W. Kane	8-5-92
HYDROLOGY	CAM	8-5-92			
PARKS					
PROJECT NO. 4431.90 MAP NO. M-15 SHEET 11 OF 15					

NO.		DATE	REVISIONS / REMARKS	BY	ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARK		AS BUILT INFORMATION	
7/24/92			IRRIGATION LEGEND			FIELD NOTES				CONTRACTOR	
						NO.				WORK STAKED BY	
						BY				DATE:	
						DATE				INSPECTORS APPROVAL	
										DATE:	
										FIELD VERIFICATION BY	
										DATE:	
										DRAWING CORRECTED BY	
										DATE:	
										MICRO-FILM INFORMATION	
										RECORDED BY	
										NO.	
										DATE	



DESIGNED BY: M. DEAR B. BEEVAN DATE: 5/20/92
DRAWN BY: T.O. B.B. N.D. DATE: 5/20/92
CHECKED BY: DATE:



SCALE 1" = 20'-0"

PLANT LEGEND				
COMMON NAME	BOTANICAL NAME	QTY.	SIZE	REMARKS
TREES				
GOLDEN RAIN TREE	Koeleruteria paniculata	1	2 1/2" b&b	
MODESTO ASH	Fraxinus velutina 'Modesto'	14	2 1/2" b&b	
EASTERN REDBUD	Cercis canadensis	1	2 1/2" b&b	
SHRUBS				
COTONEASTER	C. dammeri	10	5 gal	

GENERAL NOTES

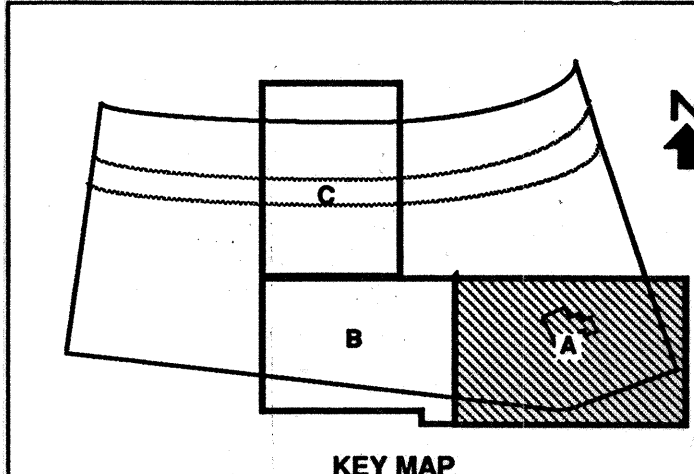
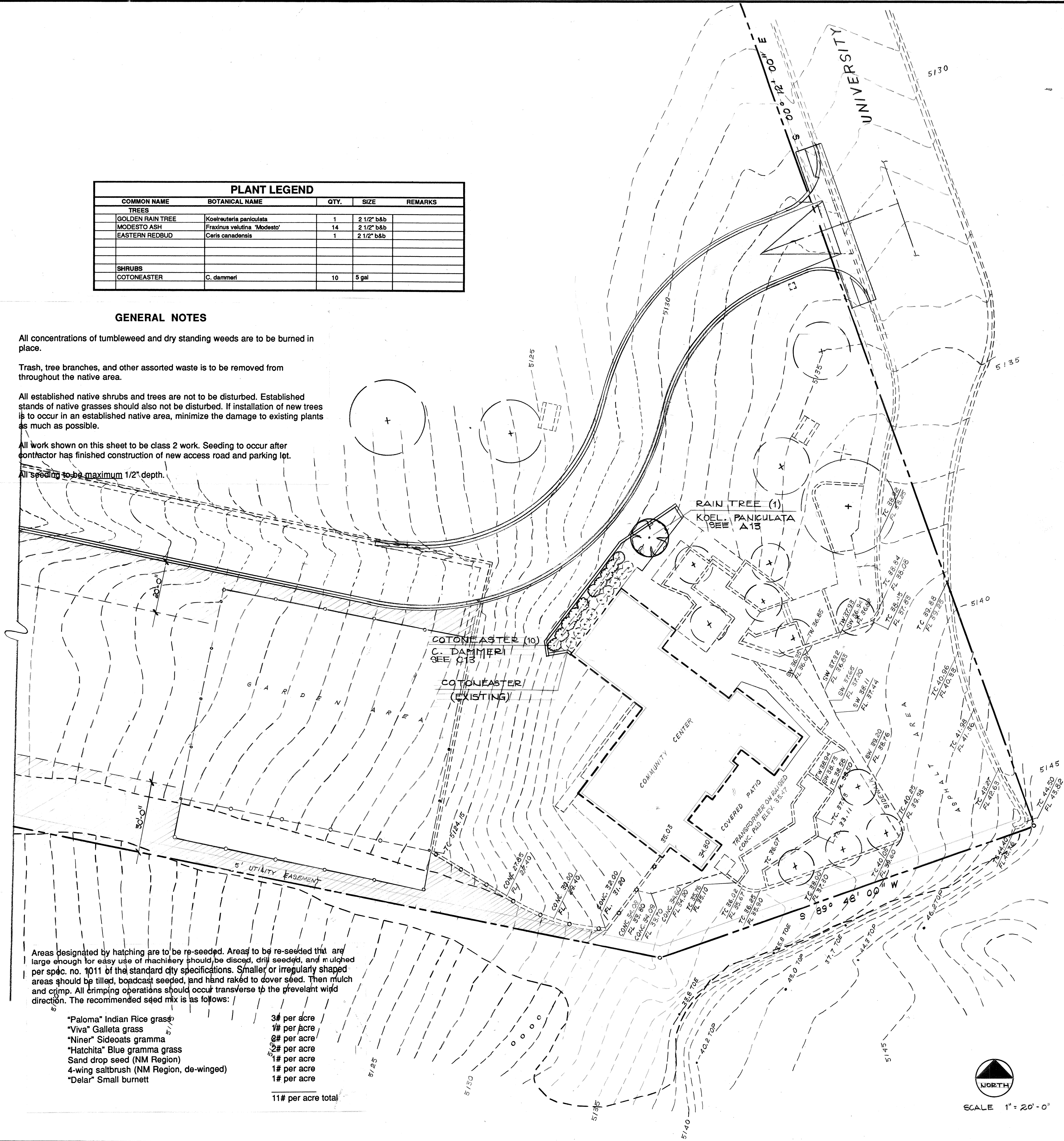
- All concentrations of tumbleweed and dry standing weeds are to be burned in place.
- Trash, tree branches, and other assorted waste is to be removed from throughout the native area.
- All established native shrubs and trees are not to be disturbed. Established stands of native grasses should also not be disturbed. If installation of new trees is to occur in an established native area, minimize the damage to existing plants as much as possible.
- All work shown on this sheet to be class 2 work. Seeding to occur after contractor has finished construction of new access road and parking lot.
- All seeding to be maximum 1/2" depth.

Areas designated by hatching are to be re-seeded. Areas to be re-seeded that are large enough for easy use of machinery should be disced, drill seeded, and mulched per spec. no. 1011 of the standard city specifications. Smaller or irregularly shaped areas should be tilled, broadcast seeded, and hand raked to cover seed. Then mulch and crimp. All crimping operations should occur transverse to the prevalent wind direction. The recommended seed mix is as follows:

"Paloma" Indian Rice grass
 "Viva" Galleta grass
 "Niner" Sideoats gramma
 "Hatchita" Blue gramma grass
 Sand drop seed (NM Region)
 4-wing saltbrush (NM Region, de-winged)
 "Delar" Small burnett

3# per acre
 1# per acre
 8# per acre
 2# per acre
 1# per acre
 1# per acre
 1# per acre

11# per acre total



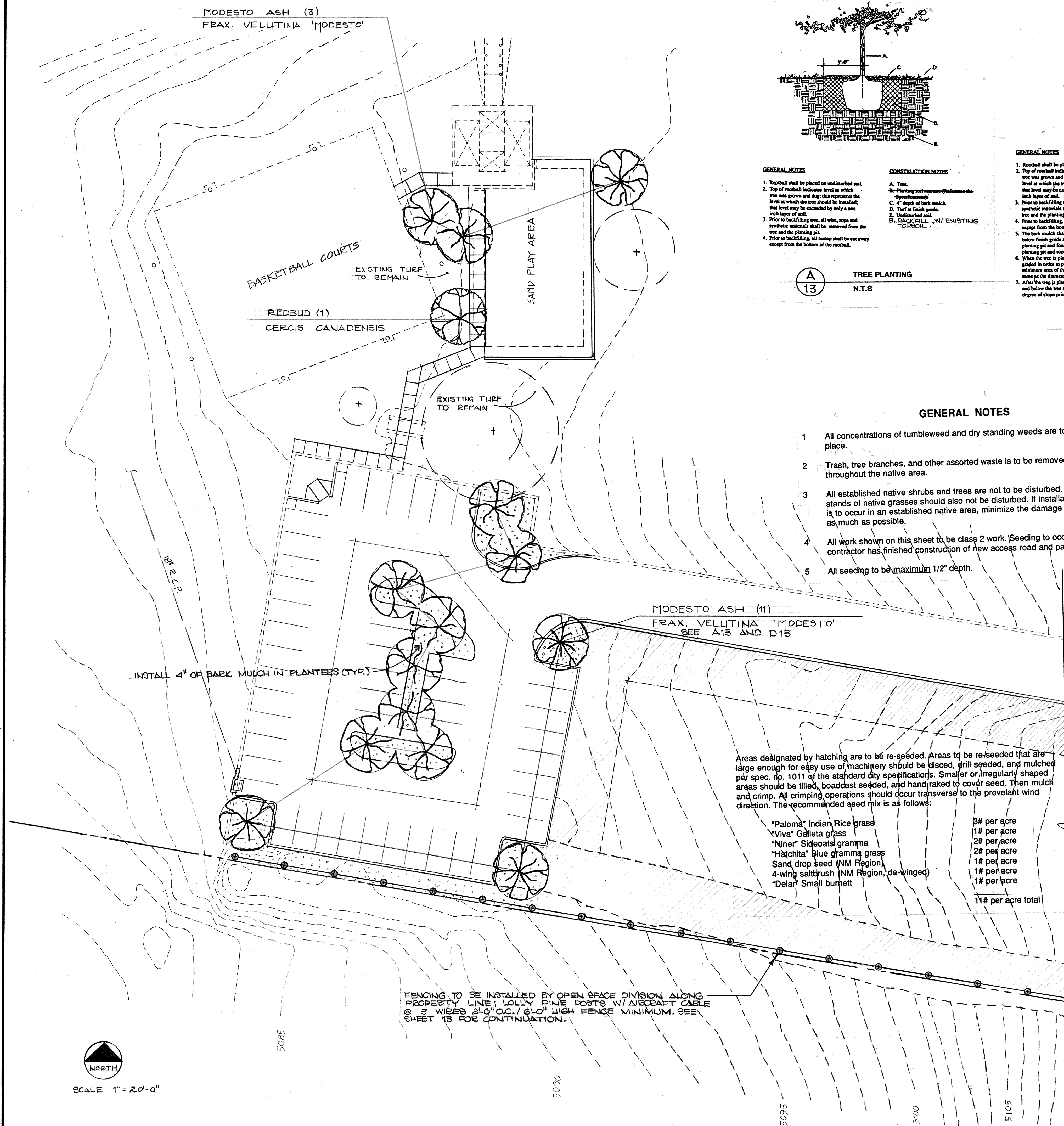
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
 2 26 44 31 90 1237

CITY OF ALBUQUERQUE PARKS & RECREATION DESIGN & DEVELOPMENT					
TITLE: KIRTLAND PARK RENOVATION PLANTING PLAN - AREA A					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-92	WATER	R.W. Kane	8-5-92
TRANSPORTATION	N/A	8-07-92	WASTE WATER	R.W. Kane	8-5-92
HYDROLOGY	CAM	8-5-92			
PARKS					
PROJECT NO. 4431 90	MAP NO. M-15-Z SHEET 12 OF 15				

NO. DATE		REVISIONS / REMARKS	BY	ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARK	AS BUILT INFORMATION	
		PLANNING LAYOUT		 1-29-92	FIELD NOTES				
	7/20/92				NO.	BY	DATE		CONTRACTOR
									WORK STAKED BY
									INSPECTORS APPROVAL
									DATE:
									FIELD VERIFICATION BY
								DATE:	
								DRAWING CORRECTED BY	
								DATE:	
								MICRO-FILM INFORMATION	
								RECORDED BY	
								DATE	
								NO.	



DESIGNED BY: B. REEMAN DATE: 5/20/92
 DRAWN BY: T.S. B.B. DATE: 5/20/92
 CHECKED BY: DATE:



GENERAL NOTES

1. Rootball shall be placed on undisturbed soil.
2. Top of rootball indicates level at which tree was grown and dug; this represents the level at which the tree should be installed; that level may be exceeded by only a one inch layer of soil.
3. Prior to backfilling tree, all wire, rope and synthetic materials shall be removed from the tree and the planting pit.
4. Prior to backfilling, all burlap shall be cut away except from the bottom of the rootball.

CONSTRUCTION NOTES

- A. Tree.
- B. Planting soil mixture (Reference the Specifications).
- C. 4" depth of bark mulch.
- D. Turf at finish grade.
- E. Undisturbed soil.
- F. BACKFILL W/ EXISTING TOPSOIL.

(A)
13
TREE PLANTING
N.T.S.

GENERAL NOTES

1. All concentrations of tumbleweed and dry standing weeds are to be burned in place.
2. Trash, tree branches, and other assorted waste is to be removed from throughout the native area.
3. All established native shrubs and trees are not to be disturbed. Established stands of native grasses should also not be disturbed. If installation of new trees is to occur in an established native area, minimize the damage to existing plants as much as possible.
4. All work shown on this sheet to be class 2 work. Seeding to occur after contractor has finished construction of new access road and parking lot.
5. All seeding to be maximum 1/2" depth.

GENERAL NOTES

1. Rootball shall be placed on undisturbed soil.
2. Top of rootball indicates level at which tree was grown and dug; this represents the level at which the tree should be installed; that level may be exceeded by only a one inch layer of soil.
3. Prior to backfilling tree, all wire, rope and synthetic materials shall be removed from the tree and the planting pit.
4. Prior to backfilling, all burlap shall be cut away except from the bottom of the rootball.
5. The bark mulch shall be installed two inches below finish grade at the perimeter of the planting pit and four inches thick above the planting pit and rootball.
6. When the tree is planted, a level space shall be graded in order to plant the tree level. The minimum area of the level space shall be the same as the diameter of the drip line of the tree.
7. After the tree is planted, the degree of slope above and below the tree shall not exceed the existing degree of slope prior to planting.

CONSTRUCTION NOTES

- A. Tree.
- B. Planting soil mixture (Reference the Specifications).
- C. 4" depth of bark mulch.
- D. Turf at finish grade.
- E. Undisturbed soil.
- F. BACKFILL W/ EXISTING TOPSOIL.

(B)
13
TREE PLANTING ON SLOPE
N.T.S.

GENERAL NOTES

1. The outside diameter of the water retention basin shall be twice the diameter of the shrub planting pit.

CONSTRUCTION NOTES

- A. Shrub.
- B. Planting soil mixture (Reference the Specifications).
- C. Water retention basin.
- D. 2" depth of bark mulch.
- E. Finish grade.
- F. BACKFILL W/ EXISTING TOPSOIL.

(C)
13
SHRUB PLANTING
N.T.S.

GENERAL NOTES

1. Existing soil within the shrub planter shall be removed and replaced with the specified planting soil mixture.
2. Stabilize soil below rootball prior to planting to prevent tree from settling.
3. Top of rootball indicates level at which tree was grown and dug; this represents the level at which the tree should be installed; that level may be exceeded by only a one inch layer of soil.
4. Prior to backfilling tree, all wire, rope and synthetic materials shall be removed from the tree and the planting pit.
5. Prior to backfilling tree, all burlap shall be cut away from the rootball.

CONSTRUCTION NOTES

- A. Material varies (Reference the Drawing).
- B. Loosen soil to a depth of 6".
- C. Planting soil mixture (Reference the Specifications).
- D. Bark mulch.

(D)
13
TREE PLANTING IN PLANTER
NO SCALE

PLANT LEGEND

COMMON NAME	BOTANICAL NAME	QTY.	SIZE	REMARKS
TREES				
GOLDEN RAIN TREE	Koelreuteria paniculata	1	2 1/2" b&b	
MODESTO ASH	Fraxinus velutina 'Modesto'	14	2 1/2" b&b	
EASTERN REDBUD	Cercis canadensis	1	2 1/2" b&b	
SHRUBS				
COTONEASTER	C. dammeri	10	5 gal	

Areas designated by hatching are to be re-seeded. Areas to be re-seeded that are large enough for easy use of machinery should be disced, drill seeded, and mulched per spec. no. 1011 of the standard city specifications. Smaller or irregularly shaped areas should be tilled, broadcast seeded, and handraked to cover seed. Then mulch and crimp. All crimping operations should occur transverse to the prevalent wind direction. The recommended seed mix is as follows:

"Paloma" Indian Rice grass
"Viva" Galleta grass
"Niner" Sideotsi gramma
"Hatchita" Blue gramma grass
Sand drop seed (NM Region)
4-wing saltbrush (NM Region, de-winged)
"Delar" Small burnett

3# per acre
1# per acre
2# per acre
2# per acre
1# per acre
1# per acre
1# per acre
1# per acre
11# per acre total

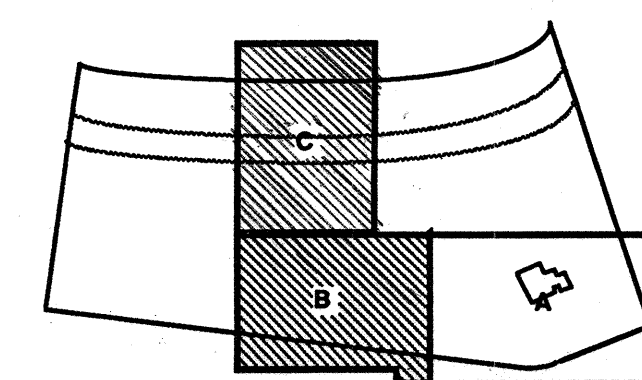
FENCING TO BE INSTALLED BY OPEN SPACE DIVISION ALONG PROPERTY LINE: LULLY PINE POSTS W/ AIRCRAFT CABLE @ 3 WIRES 2'-0" O.C. / 6'-0" HIGH FENCE MINIMUM. SEE SHEET 13 FOR CONTINUATION.

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

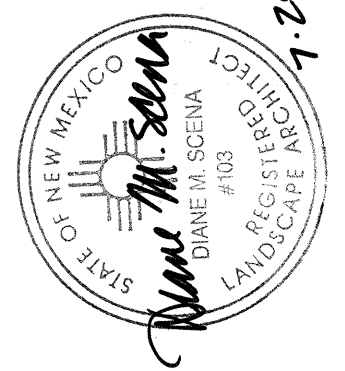
TITLE:

KIRTLAND PARK - RENOVATION
PLANTING AREA B & C

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-92	WATER	R.W. Kome	8-5-92
TRANSPORTATION	DAK H	5-07-92	WASTE WATER	R.W. Kome	8-5-92
HYDROLOGY	CAM	8-5-92			
PARKS					
PROJECT NO.	4431		MAP NO.	M-15-Z	
	90		SHEET	13 OF 15	



KEY MAP



DESIGNED BY: B. BEEMAN DATE: 5/20/92
DRAWN BY: B. BEEMAN DATE: 5/20/92
CHECKED BY: DATE:

26-4431.90 1390



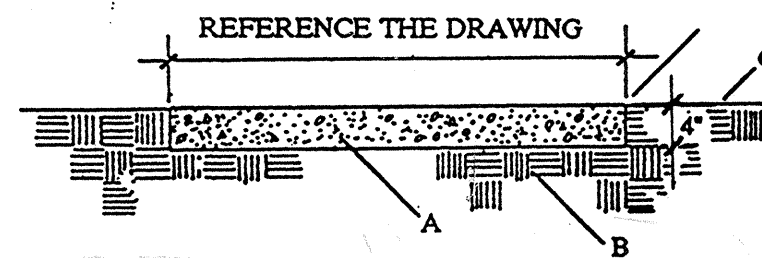
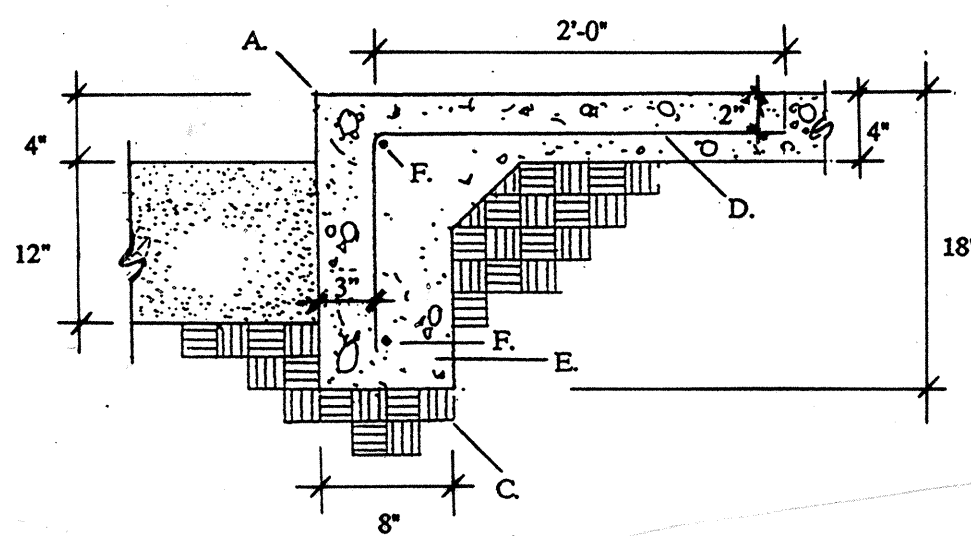
SCALE 1" = 20'-0"

GENERAL NOTES

- Control joints shall be placed at 5' o.c.
- Expansion joints shall be placed at 20' o.c.

CONSTRUCTION NOTES

- Tooled edge.
- Brick sand.
- Subgrade compacted to 95%.
- #4 rebar at 12" o.c.
- 4000 PSI concrete w/ brush finish.
- #4 rebar horizontal and continuous.

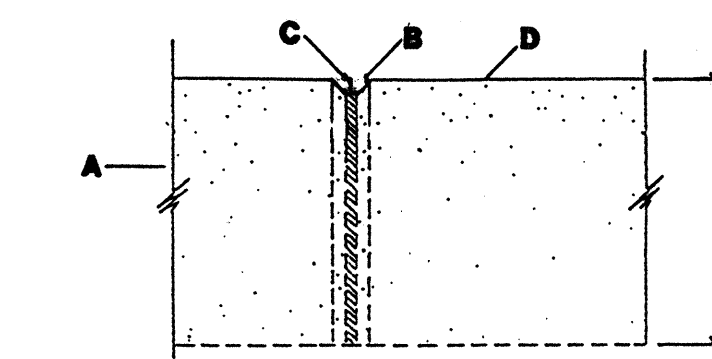


GENERAL NOTES

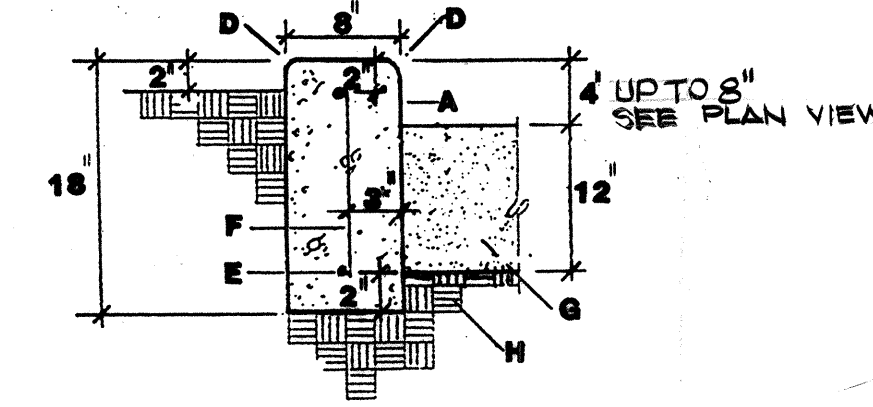
- Control joints shall be placed at 5' o.c.
- Expansion joints shall be placed at 20' o.c., and where the mow strips abut another hard surface.
- The concrete walk shall be sloped at 1/4" per foot across the width of the walk. Reference the Grading Plan for direction of slope.

CONSTRUCTION NOTES

- 4000 PSI concrete w/ medium brush finish.
- Subgrade compacted to 95%.
- Material varies (Reference the Drawing).
- Tooled edge (Typ.).



EXPANSION JOINT DETAIL



WALL DETAIL

GENERAL NOTES:

- Control joints shall be placed at 5' o.c.
- Expansion joints shall be placed at 20' o.c.

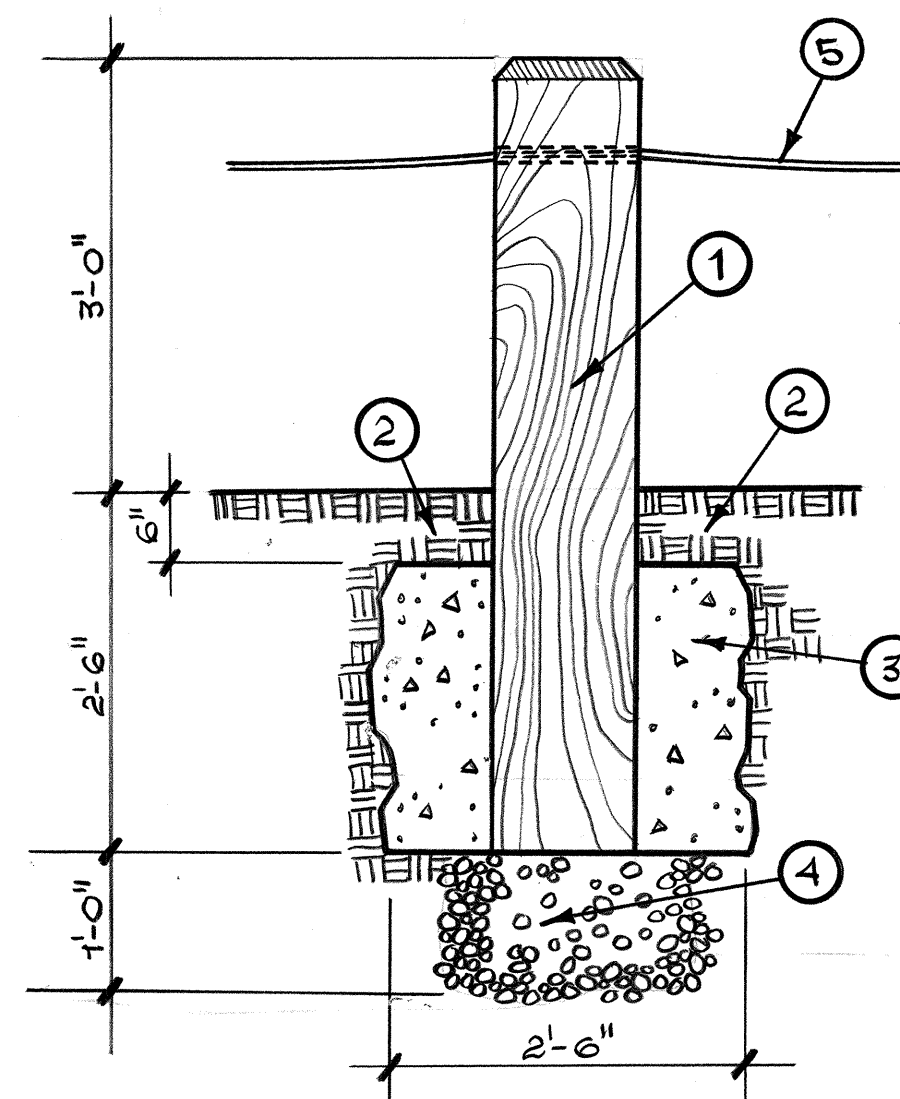
CONSTRUCTION NOTES:

- 4000 psi concrete wall w/ brush finish.
- 1" chamfer.
- 1/2" expansion joint material.
- Tooled edge.
- #4 rebar, horizontal and continuous.
- #4 rebar at 4' on center.
- Brick sand.
- Subgrade compacted to 95%.

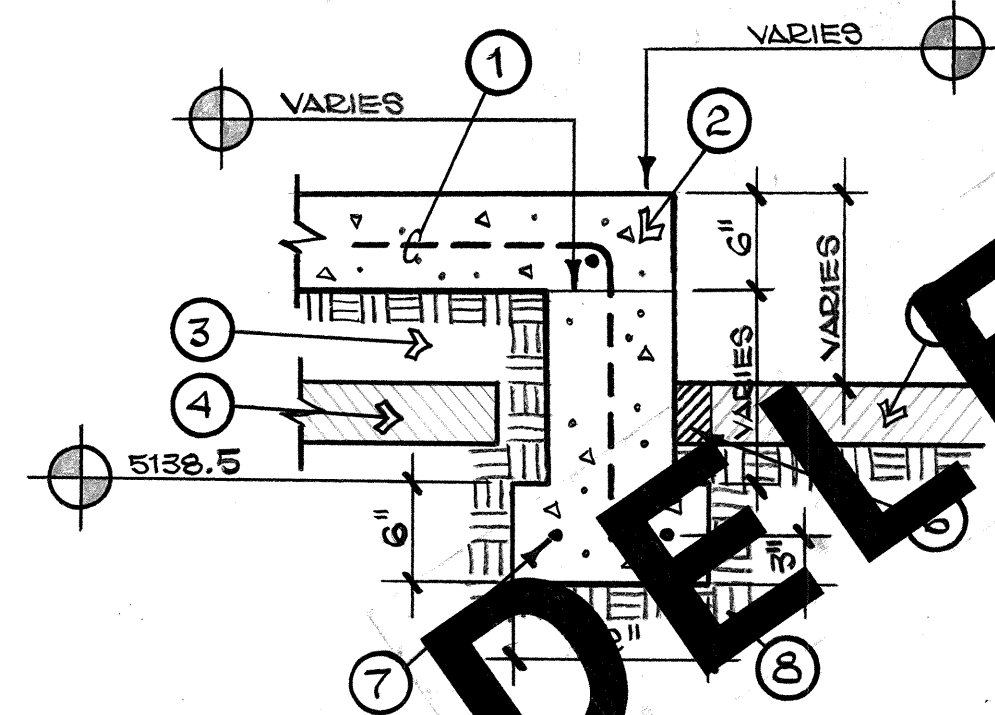
A
14 TURN DOWN SLAB
NTS

B
14 CONCRETE WALK
NTS

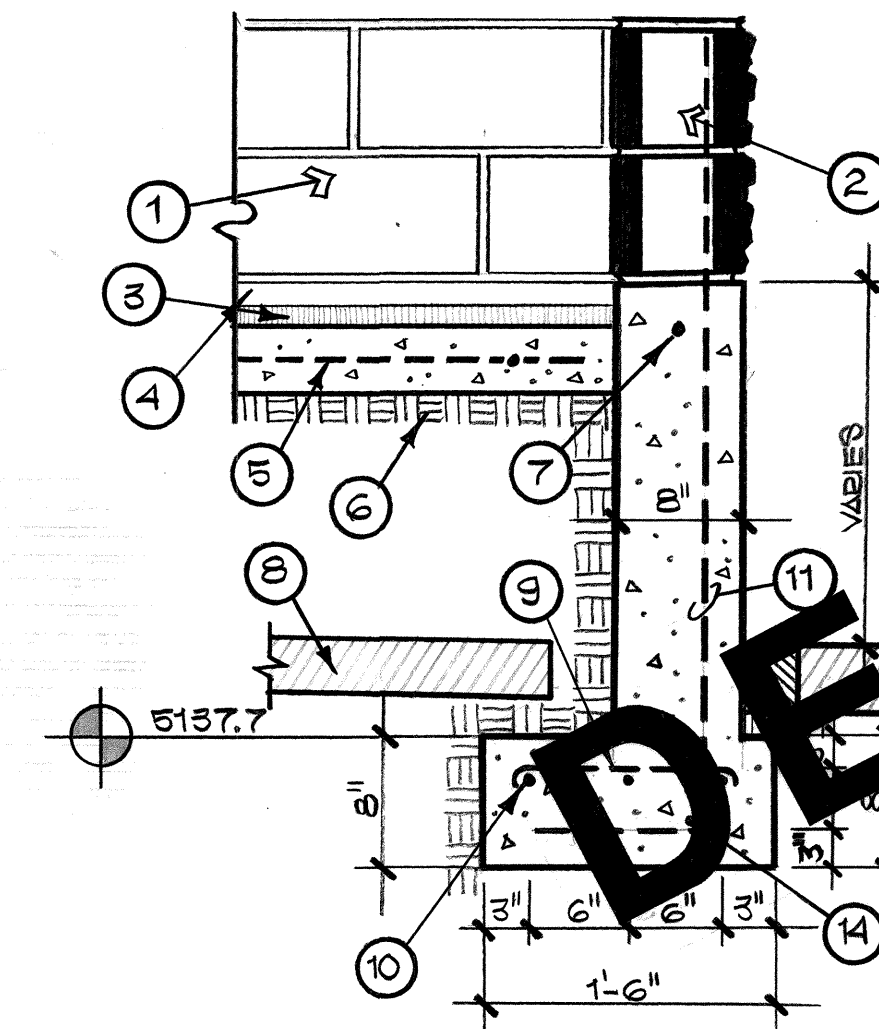
C
14 EDGER WALL
NTS



- WOOD BOLLARD, 12"x12"x5'-6", PONDROSA PINE, TREATED W/ COPPER ADSORBATE IN COMPLIANCE W/ AWPA C-14, AND ASHLITO 14-155.
- SOIL COMPACTED TO 95% PROCTOR.
- 4000 PSI CONCRETE FOR 2'-0" MIN. ALONG BOLLARD W/ APPROXIMATE BASE DIMENSIONS AS SHOWN.
- 3/4" WASHED GRAVEL @ 12" BENEATH WOOD BOLLARD.
- 7/8" NON-ROTATING WIRE ROPE; ANCHOR @ EITHER END W/ 2" MIN. MECHANICAL CABLE CLAMPS.



- #3 BENT REBAR @ 16" O.C. SEE DIMENSIONS BELOW.
- 4000 PSI CONCRETE; HEAVY BROOM FINISH.
- CONCRETE FILL IN 6" MIN. LIFTS @ 95% PROCTOR.
- EXISTING ASPHALT PAVING REMAIN IN PLACE.
- SAW CUT ONLY ENOUGH EXISTING ASPHALT TO PERMIT CONSTRUCTION OF CONCRETE FOOTING & STEM.
- INSTALL ASPHALT PLUG IN GAP LEFT FROM ASPHALT REMOVAL.
- #4 CONTINUOUS; TYP. OF 2 IN FOOTING AND 1 IN SLAB EDGE.
- UNDISTURBED EXISTING SOIL; IF DISTURBED, SEE NOTE NO. 3.

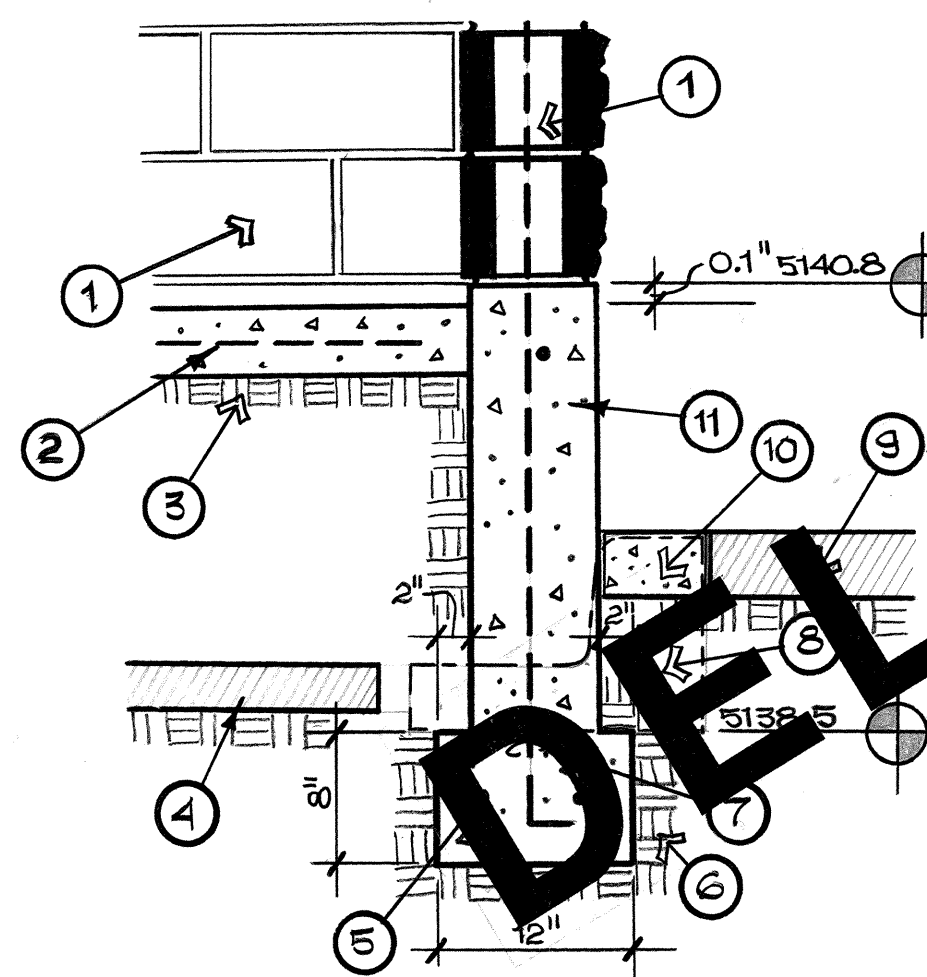


- 8"x8"x16" CMU WALL SPLIT FACE W/ 8"x8" APPEARANCE; #4 VERTICAL @ 32" O.C. FOUR SOLID @ 32" O.C. AND INSTALL CAP BLOCK @ TOP.
- REINFORCE AND FOUR SOLID @ 32" O.C. REBAR OVERLAP TO BE 12" MIN. ON VERTICAL.
- SLOPED CONCRETE SURFACE; SLOPE AND FINISH PER DETAIL A ON SHEET 8.
- TOP OF WALL STAY EXPOSED 0.1 FT. @ BACK OF SLOPE ABOVE CONC. SLAB.
- #3 @ 16" SLAB WITH WAYS @ 2'-0" O.C.
- INSTALL COMPACTABLE FILL DIRECTLY OVER EXISTING ASPHALT IN 6" LIFTS, 95% PROCTOR.
- ONE #4 @ TOP OF WALL CONTINUOUS.
- SAW CUT ONLY ENOUGH EXISTING ASPHALT TO PERMIT CONSTRUCTION OF FOOTING AND STEM.
- #3 TIES @ 2'-0" O.C. LOCATE IN AREA OF LOWER FOOTING ONLY.
- #4 @ 6" O.C. AS SHOWN; TYP. OF 3.
- #4 LESS 4'-0" x 1'-0" @ 32" O.C.
- REMOVE ONLY ENOUGH ASPHALT TO PERMIT INSTALLATION OF NEW FOOTING.
- FOOTING TO BE INSTALLED ON UNDISTURBED SOIL OR IN 6" LIFTS @ 95% PROCTOR.
- ONE #4 CONTINUOUS.

D
14 WOOD BOLLARD
NTS

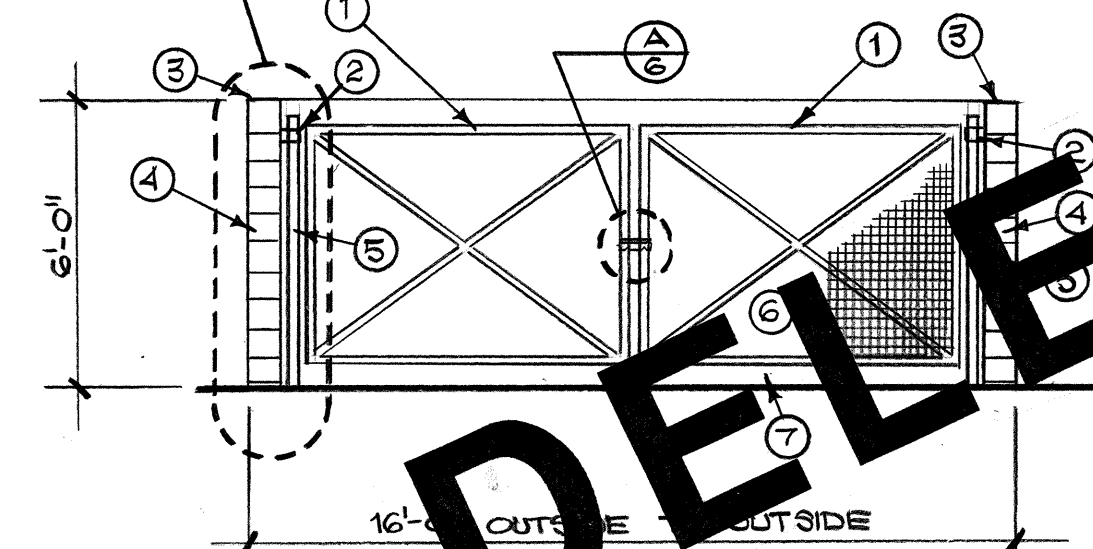
E
14 FOOTING DETAIL
SCALE: 1" : 1'-0"

F
14 FOOTING DETAIL
SCALE: 1" : 1'-0"



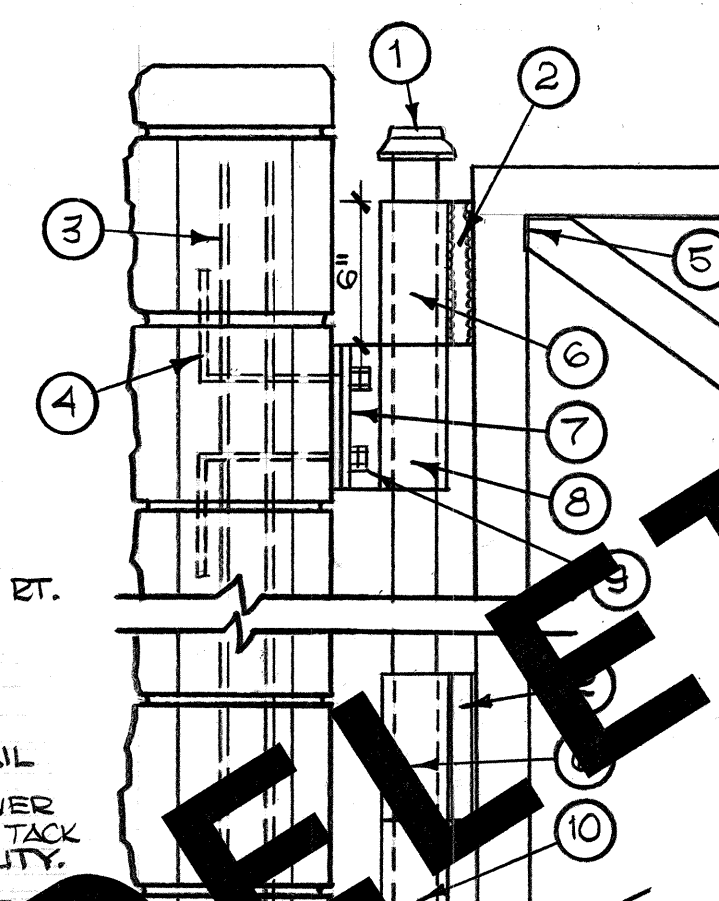
- 8"x8"x16" CMU WALL SPLIT FACE W/ 8"x8" APPEARANCE; #4 VERTICAL @ 32" O.C. FOUR SOLID @ 32" O.C.
- 1" CONC. SLAB W/ #3 BOTH WAYS @ 2'-0" O.C. SEE PLAN FOR DETAILS.
- INSTALL COMPACTABLE FILL DIRECTLY OVER EXISTING ASPHALT IN 6" LIFTS.
- SAW CUT ONLY ENOUGH EXISTING ASPHALT TO PERMIT CONSTRUCTION OF FOOTING AND STEM.
- #4 CONTINUOUS; TYP. OF 3.
- FOOTING TO BE INSTALLED ON UNDISTURBED SOIL OR IN 6" LIFTS @ 95% PROCTOR.
- #4 LESS 4'-0" x 3" @ 32" O.C.
- EXISTING STD. CURB AND GUTTER TO BE REMOVED.
- EXISTING SIDEWALK TO REMAIN.
- FOUR SOLID THE GAP LEFT BY REMOVAL OF CURB. INSTALL 1/2" EXPANSION ON BOTH SIDES OF NEW FOUR. 4000 PSI.
- STEM WALL 4000 PSI CONC. @ 8" THICK (TYPICAL).

SEE GATE POST DETAIL @ RIGHT



H
14 ELEVATION AND GATE DETAIL
SCALES: 1/4" : 1'-0" AND 1-1/2" : 1'-0"

- GATE DIMENSIONS (2 GATES) 6'-9" W x 5'-0" H. FRAME TO BE CONSTRUCTED OF 2"x2" W x 8" H. ANCHORS. DETAIL HOLE IN CENTER TO ACCOMMODATE 2" PIPE.
- TOP OF GATE AS SHOWN @ RT.
- CMU OR BLOCK - TYPICAL.
- BLOCK WALL - SEE DETAILS F+G.
- 2 1/2" MAIN MTG. PIPE; SEE DETAIL.
- INSTALL EXPANDED METAL OVER BOTH 30 TUBE GATE FRAMES TO PROVIDE STABILITY.
- LEAVE 6" MAX. GAP @ BASE OF GATES ABOVE CONCRETE SLAB.



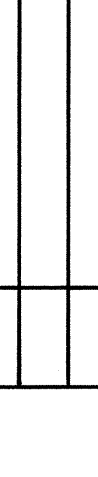
- INSTALL 2" WELD ON PIPE CAP.
- 6"x1" WIDE x 3/8" THICK FLATBAR FILET WELD SOLID TO 2 1/2" PIPE AND TO 1/4" SQ. TUBE - BOTH SIDES.
- 2"x5" VERTICAL IN CMU CELL GATE IS MTD. TO FOUR SOLID.
- 7"x4" #4 ANCHORS (4 TTL.) THREADED.
- FILET WELD SOLID FRAMING.
- ANCHOR PIPE NESTED IN 2 1/2" SWIVEL PIPE. INSTALL GREASE STOP IN 6" SWIVEL SECTION.
- 6"x6" PLATE (2) OVER 4" #4 W/ STD. NUT AND JAM NUT.
- STATIONARY 2" ANCHOR PIPE NESTED IN 2 1/2" RIGID MTD. SWIVEL PIPE.
- STD. NUT W/ JAM NUT.
- RIGID MT. 2 1/2" PIPE OVER 2".
- WELD 2 1/2" PIPE SOLID TO 6"x6" PLATE & THICKENED SLAB.
- CONCRETE STEM WALL.

G
14 FOOTING DETAIL
SCALE: 1" : 1'-0"

H
14 ELEVATION AND GATE DETAIL
SCALES: 1/4" : 1'-0" AND 1-1/2" : 1'-0"

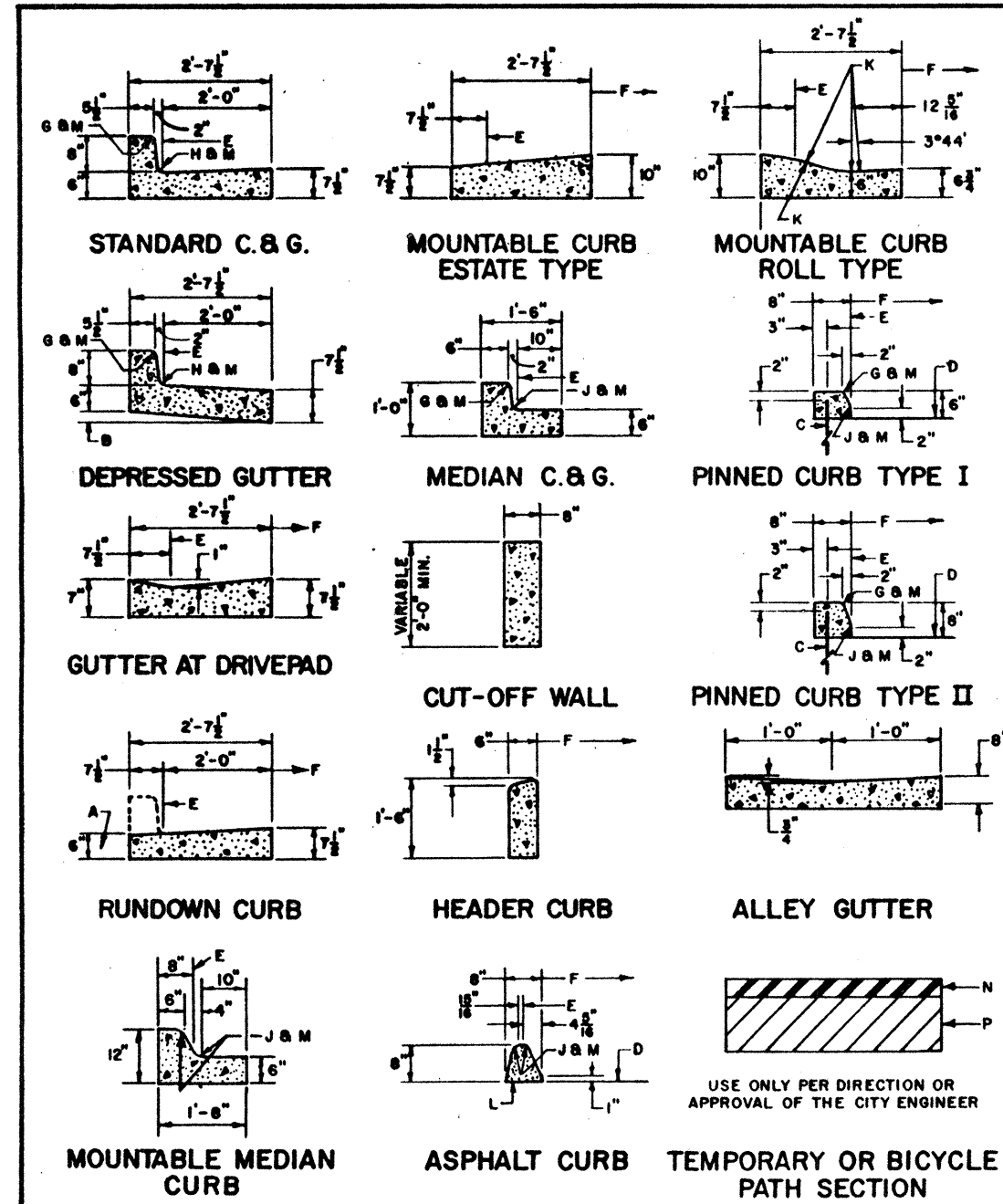
EXTEND 2" ANCHOR PIPE 12" BELOW T.O.S. AND POUR SOLID IN CONCRETE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4431.90 1497

NO. DATE			REVISIONS / REMARKS			BY			ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARK			AS BUILT INFORMATION					
			7/24/92						 Juan M. Serna #103 REGISTERED LANDSCAPE ARCHITECT STATE OF NEW MEXICO 7-21-92			FIELD NOTES											
						NO.						BY			DATE								
																		CONTRACTOR					
																		WORK STAKED BY			DATE:		
																		INSPECTOR'S APPROVAL			DATE:		
																		FIELD VERIFICATION BY			DATE:		
																		DRAWING CORRECTED BY			DATE:		
																		MICRO-FILM INFORMATION					
																		RECORDED BY			DATE		
																		NO.					
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CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENTTITLE: KIRTLAND PARK - RENOVATION
ASSORTED DETAILS & NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-92	WATER	R.W. Kone	8-5-92
TRANSPORTATION	N. CHD	8-07-92	WASTE WATER	R.W. Kone	8-5-92
HYDROLOGY	CAM	8-5-92			
PARKS					
PROJECT NO.	4431.90		MAP NO.	M-15	
			SHEET	14	OF 15



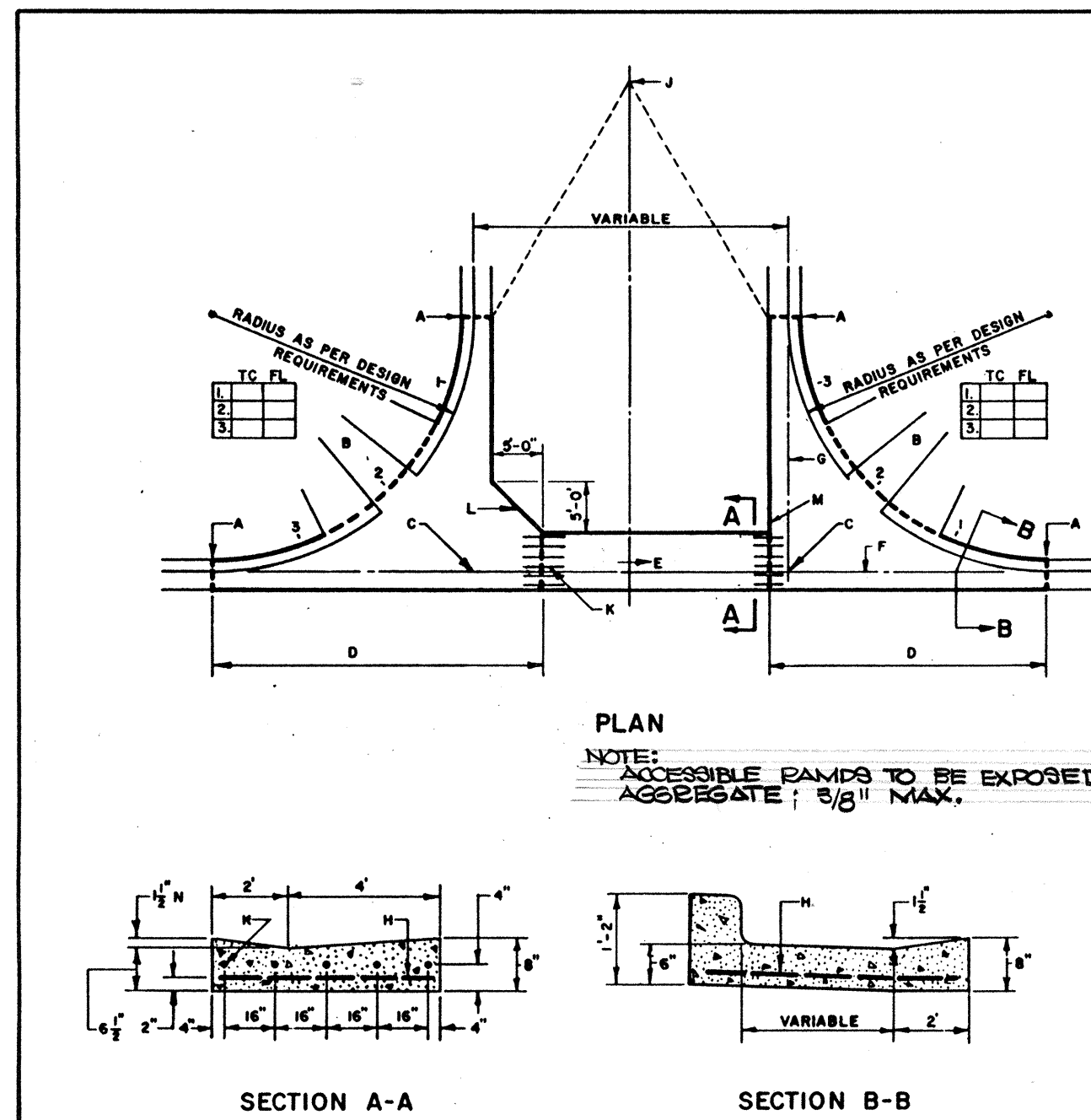
GENERAL NOTES:

1. CURBS, GUTTERS & CUT-OFF WALL TO BE CONSTRUCTED OF R.C.C.
2. FOR STANDARD AND MEDIAN C.B.G. PROVIDE CONTRACTION JTS. @ 6' MAX. ALSO PROVIDE 1/2" EXP JTS. 48" C.C. MAX. AT CURB RETURNS & AT EACH SIDE OF DRIVEWAY.
3. FOR ALL OTHER C.B.G. PROVIDE CONTR. JTS. AT 10' C.C., PROVIDE EXP. JTS. 50' C.C. & ADJACENT TO CURBS & DRIVEWAYS.
4. EDGES NOT SPECIFIED DIMENSIONED SHALL BE EDGED WITH A 3/8" EDGING TOOL.
5. STD. C.B.G. SHALL BE USED FOR NEW CONSTR. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
6. REMOVE & REPLACE 12" WIDE STRIP OF PAVEMENT BEYOND LIP OF GUTTER WHEN CONSTRUCTING C.B.G. ADJACENT TO EXIST. A.C. PAVEMENT.
7. STD. C.B.G. REQUIRE FULL FORM ON ALL FACES.

CONSTRUCTION NOTES

- A. REQ. CONC. CHANNEL LINING, OR CUT-OFF WALL PROVIDE 1/2" EXP. JT. BETWEEN BACK OF CURB & CONC. LINING OR WALL.
- B. VARIABLE, DEPRESS AS NEEDED.
- C. DRIVE CURB 18" DEEP IN HOLES DRILLED OR EXIST. IN EXIST. PAVEMENT; SEAL WITH EPOXY.
- D. EXIST. A/C OR P.C.C. PAVEMENT.
- E. THEORETICAL FACE OF CURB OR FLOWLINE.
- F. TRAFFIC SIDE.
- G. 3/4" RADIUS.
- H. 1/2" RADIUS.
- J. 2" RADIUS.
- K. 24" RADIUS.
- L. TACK COAT.
- M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
- N. 2" A/C SURFACE COURSE 1500 LBS. STABILITY.
- P. 6" COMPACTED SUBGRADE 90% COMPACTION.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING CURB AND GUTTER & TEMPORARY PAVING SECTION DWG. 2415
	AUG. 1986



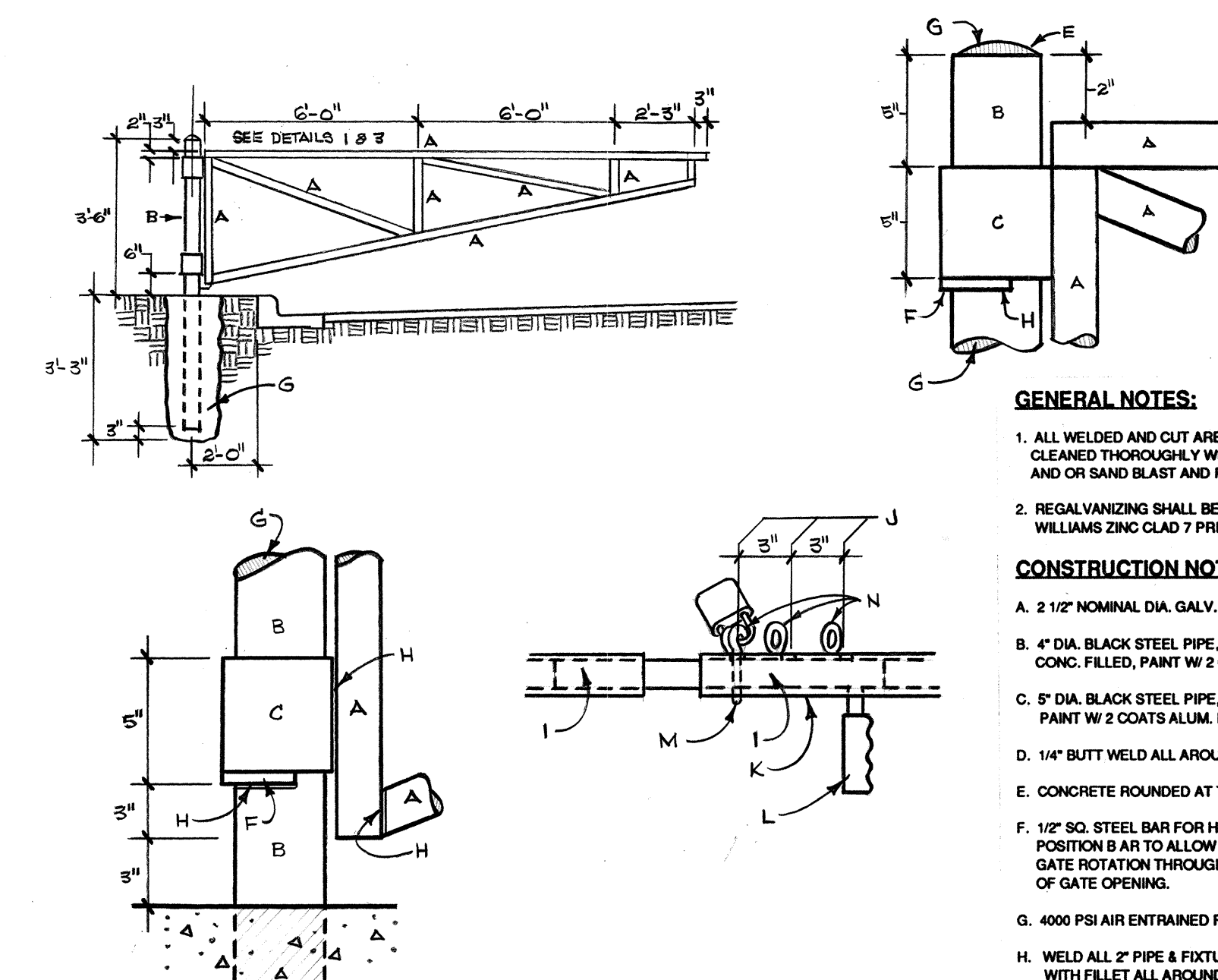
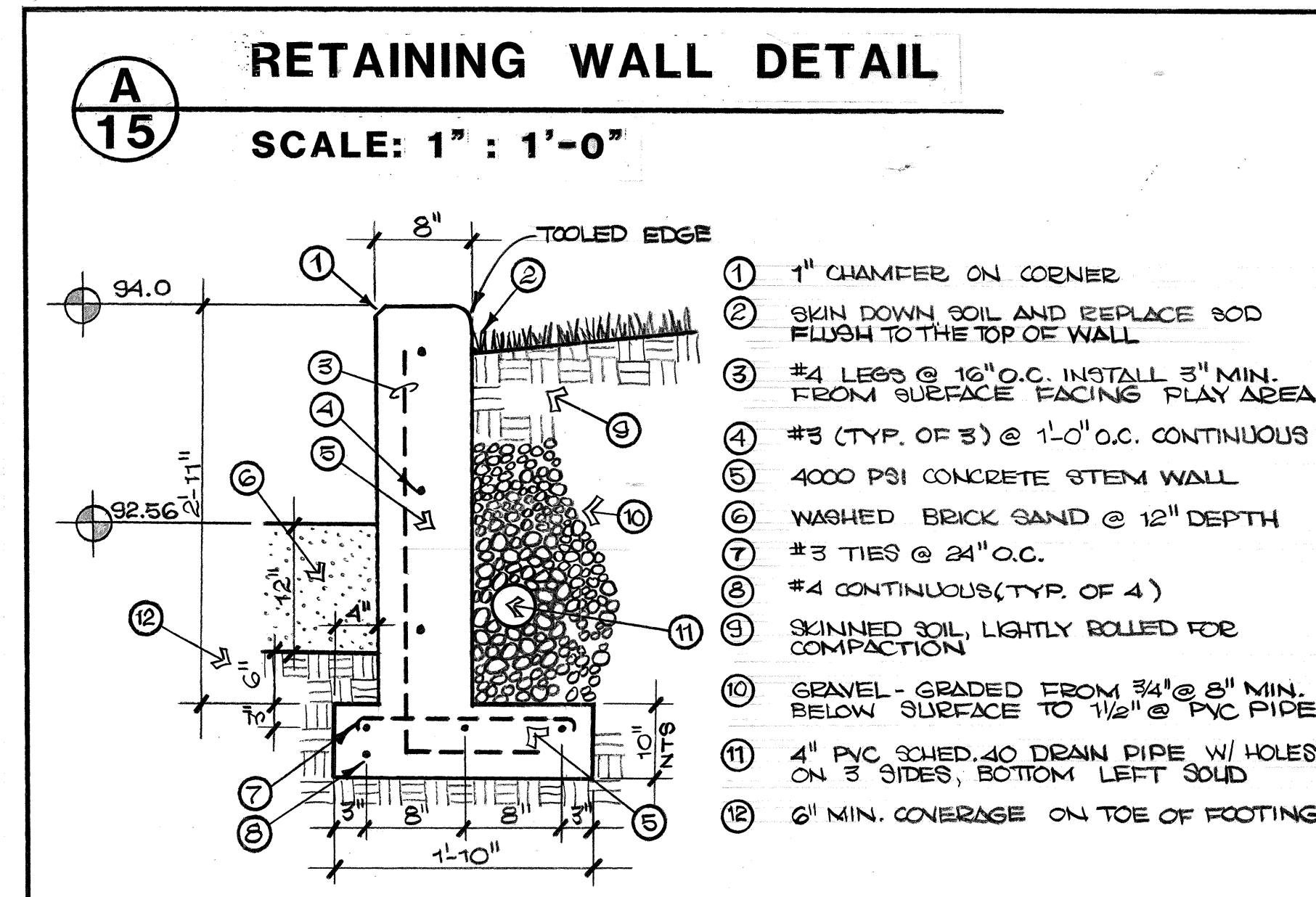
GENERAL NOTES

- SECTION ELEVATIONS TO BE GIVEN AT EACH CURB CORNER (CURB CORNER ELEVATION, VALLEY BUTTER ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
1. OPENINGS AND VALLEY BUTTER ENDS OF THE INTERSECTION, VALLEY BUTTER CONSTRUCTION SHALL EXTEND TO THE END OF THE VALLEY BUTTER.
 2. THE VALLEY BUTTER TO BE REINFORCED WITH 6" X 6" NO. 8 V. WIRE MESH.
 3. IMPROVE THE VALLEY BUTTER TO RETURN FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
 4. IMPROVE THE VALLEY BUTTER TO RETURN FLOWLINE OF DOWNSTREAM CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUANTITIES INDICATED ON THE CURB RETURN. IMPROVE THE CURB RETURN.
 5. --- DENOTES 1' EXPANSION JOINT.
- PRIOR TO NEW CONSTRUCTION, VALLEY BUTTER SHALL BE REINFORCED WITH 6" X 6" NO. 8 V. WIRE MESH. ASPHALT CURB SHALL BE INSTALLED TO MATCH THE VALLEY BUTTER.
- PRIOR TO CONSTRUCTION OF NEW VALLEY BUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REINFORCED WITH 6" X 6" NO. 8 V. WIRE MESH.

CONSTRUCTION NOTES

- A. END OF CURB RETURN, SEE NOTE I.
- B. FOR RAMP DETAILS, SEE DWGS. 2418, 2440, 2441.
- C. INTERSECTION OF FLOWLINES, SEE NOTE I.
- D. SURFACE AND CURB TO BE MONOLITHIC.
- E. DIRECTION OF FLOW.
- F. FLOWLINE
- G. PROJECTED FLOWLINE OF $1\frac{1}{2}$ " INVERT, SEE NOTE 2.
- H. 6" x 6" NO. 8 GA. WIRE MESH.
- I. BEGIN CURB WHERE TO RIGHT-OF-WAY SECTION WHERE SPICED ON PLANS OR INDICATED BY THE ENGR.
- J. NO. 4 BARS 3'-0" LONG AT 16" O.C.
- K. ALTERNATE A, WITH FILLET AS PER PLANS.
- M. ALTERNATE B, NO FILLET AS PER PLANS.
- N. THE $1\frac{1}{2}$ " INVERT DEPTH MAY BE REDUCED TO IMPROVE RIDEABILITY WITH APPROVAL OF ENGINEER.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	CONCRETE VALLEY GUTTER
	DWG. 2420
	AUG. 1986



GATE DETAIL

NO SCALE

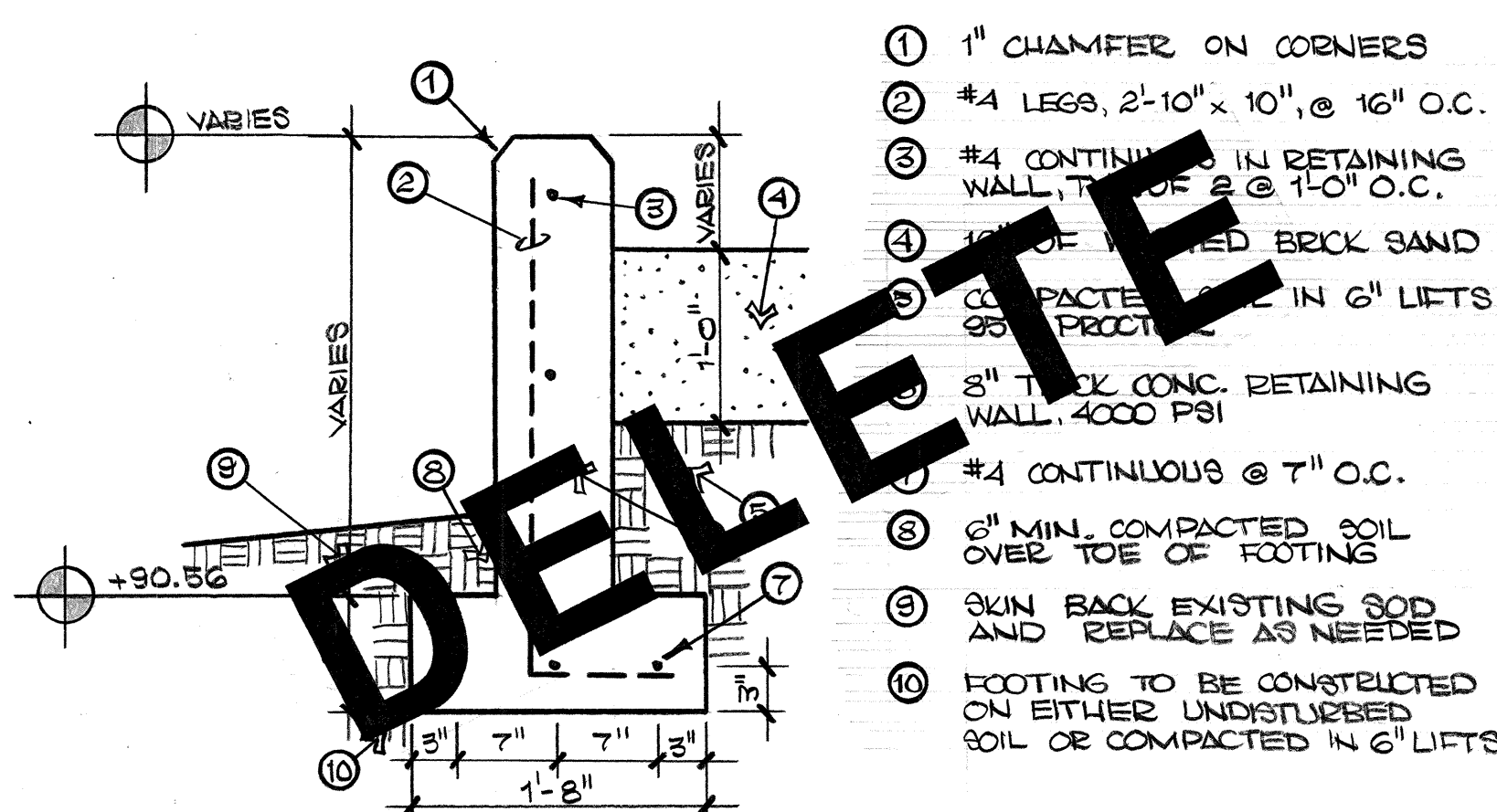
GENERAL NOTES:

1. ALL WELDED AND CUT AREAS TO BE CLEANED THOROUGHLY WITH A WIRE BRUSH AND OR SAND BLAST AND REGALVANIZED.
2. REGALVANIZING SHALL BE WITH SHERWIN WILLIAMS ZINC CLAD 7 PRIMER OR EQUAL.

CONSTRUCTION NOTES:

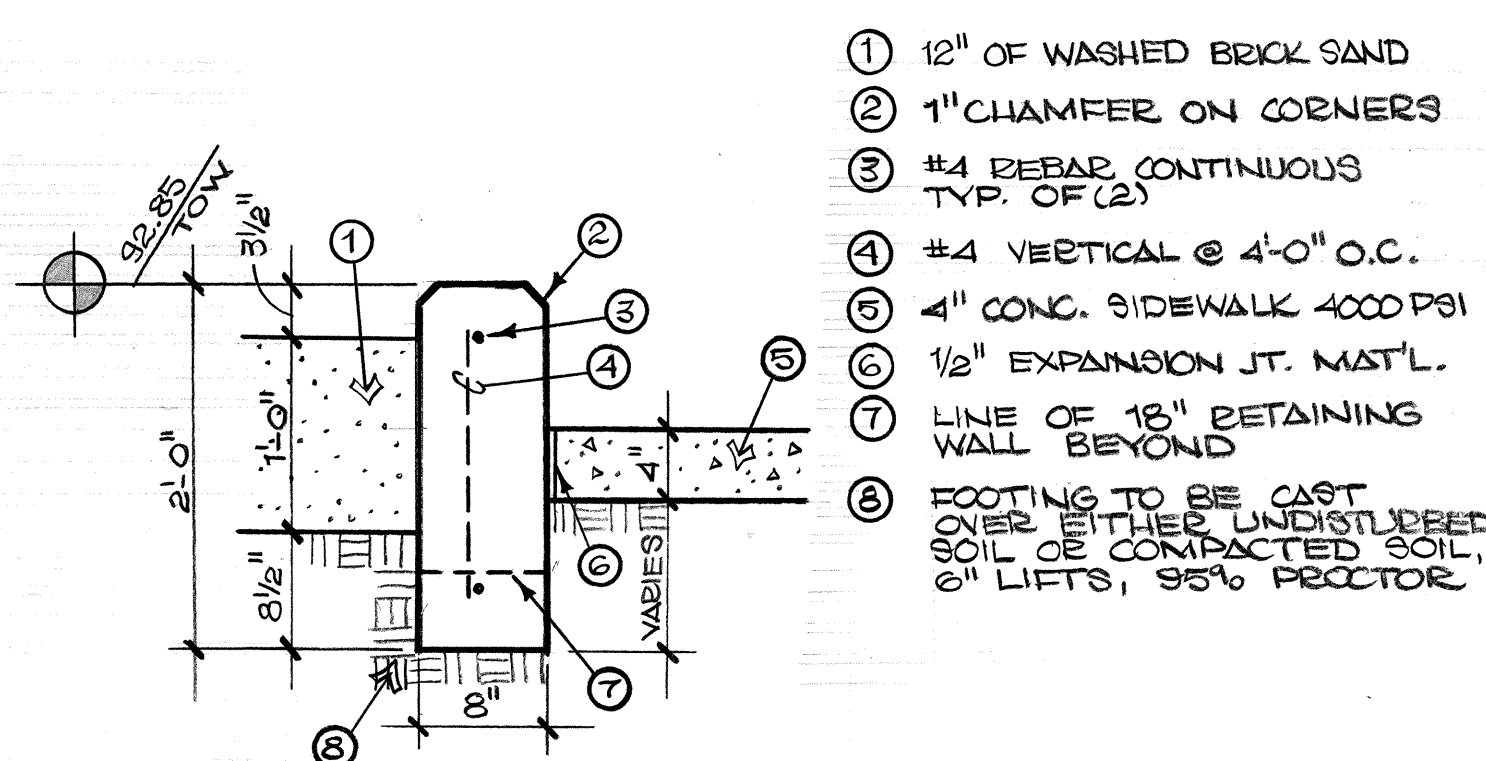
- A. 2 1/2" NOMINAL DIA. GALV. PIPE.
- B. 4" DIA. BLACK STEEL PIPE, MIN. 10.79 LBS FT., CONC. FILLED, PAINT W/ 2 COATS ALKAL. PAINT
- C. 6" DIA. BLACK STEEL PIPE, MIN 14.82 LBS FT., PAINT W/ 2 COATS ALKAL. PAINT
- D. 14" BUTT WELD ALL AROUND.
- E. CONCRETE ROUNDED AT TOP OF POST.
- F. 1/2" SQ. STEEL BAR FOR HINGE SUPPORT, POSITION 8" AR TO ALLOW UNRESTRICTED GATE ROTATION THROUGH ENTIRE SWING OF GATE OPENING.
- G. 4000 PSI AIR ENTRAINED FLY ASH CONC.
- H. WELD ALI AT PIPE & FIXTURE CONNECTIONS WITH FILLET ALL AROUND.
- I. 2" NOMINAL DIA. GALV. PIPE NESTED INSIDE OF 2 1/2" (3)
- J. THREE (3) 1/2" DIA. HOLES @ 3" O.C. THRU 2" AND 2 1/2" PIPES.
- K. CUT 1 1/8" SLOT ALONG BOTTOM OF 2 1/2" PIPE UNDER 2" O" LENGTH.
- L. INSTALL PLASTIC OR RUBBER HANDLE OVER BLACK STEEL PIPE.
- M. 7/8" X 3" EYE BOLT.
- N. 7/16" EYE WELDED ON TO 2 1/4" PIPE @ EACH OF THREE (3) 1/2" DIA. HOLES.

NO.		DATE	REVISIONS / REMARKS	BY	ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARK		AS BUILT INFORMATION		
						FIELD NOTES				CONTRACTOR		
						NO.	BY	DATE			WORK STAKED BY	DATE:
											INSPECTORS APPROVAL	DATE:
											FIELD VERIFICATION BY	DATE:
											DRAWING CORRECTED BY	DATE:
										MICRO-FILM INFORMATION		
DESIGNED BY: M. DEAR										RECORDED BY	DATE	
DRAWN BY: M. DEAR										NO.		
CHECKED BY:												



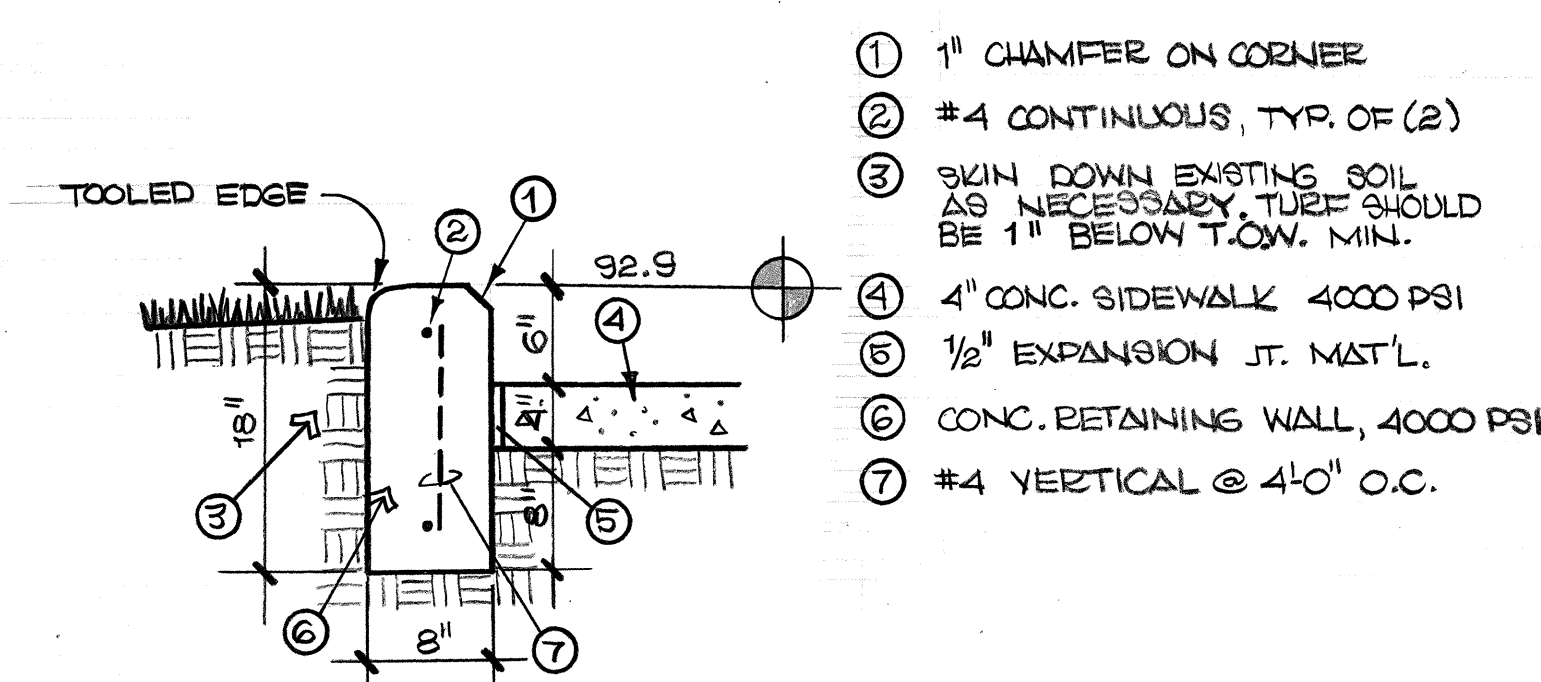
RETAINING WALL DETAIL

SCALE: 1" : 1'-0"



RETAINING WALL DETAIL

SCALE: 1" = 1'-0"



RETAINING WALL DETAIL

SCALE: 1" = 1'-0"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	6	-	4	4	3	1	.	9	0			1	5	9	7

CITY OF ALBUQUERQUE
PARKS & RECREATION
DESIGN & DEVELOPMENT

TITLE: KIRTLAND PARK - RENOVATION
ASSORTED DETAILS & NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	CAM	8-10-52	WATER	R.W. Kane	8-59
TRANSPORTATION	N/A/CHD	8-07-92	WASTE WATER	R.W. Kane	8-59
HYDROLOGY	CAM	8-5-52			

PROJECT NO. 4431 90	MAP NO. M-15	SHEET 15 OF 15
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