



CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT

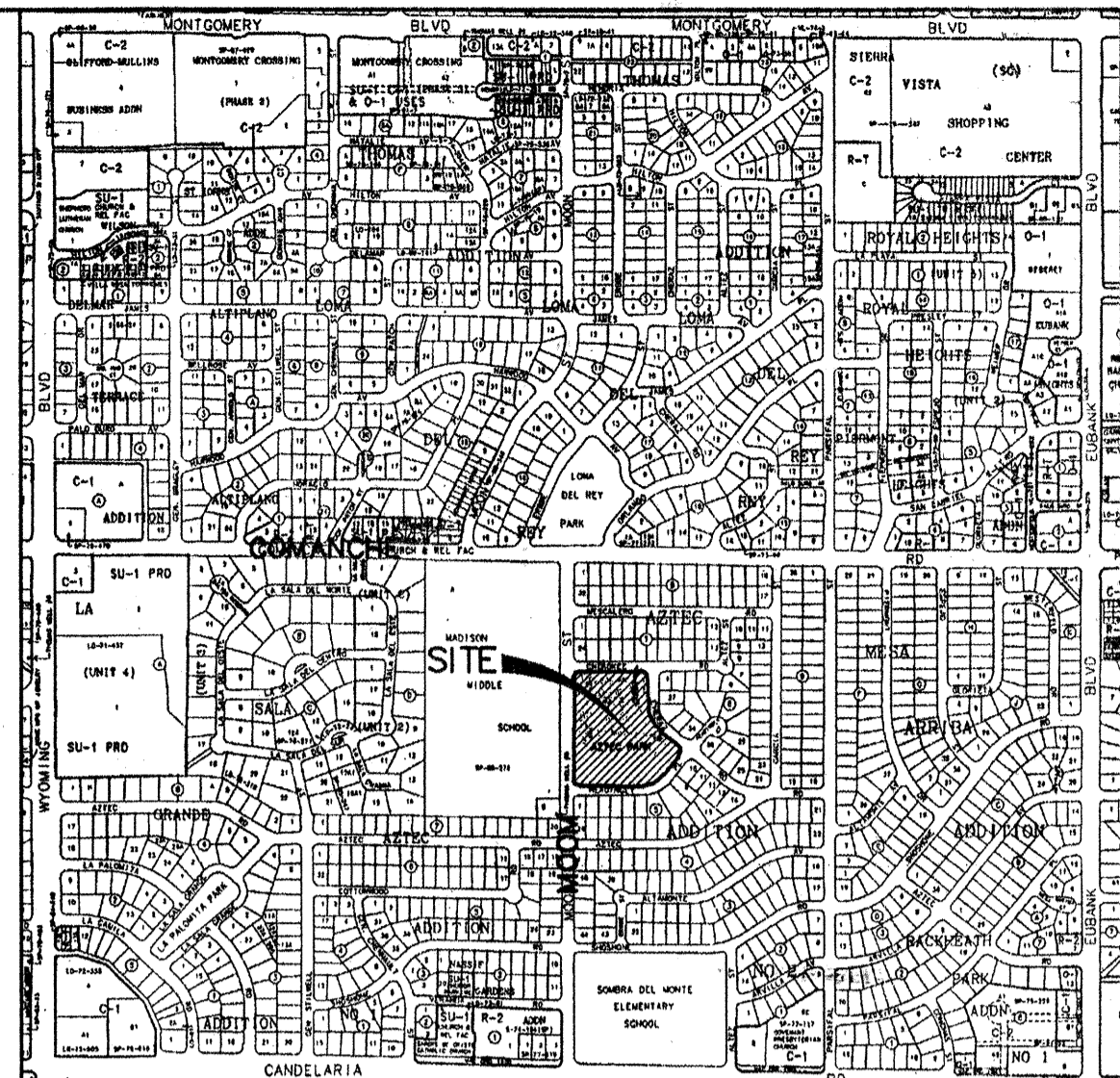
AZTEC PARK
PLAY AREA RENOVATION

ADDRESS: WEST SIDE OF INTERSECTION BETWEEN
CHERAZ ROAD AND HEADINGLY PLACE
TOTAL EXISTING TURF AREA: 209,017 SQ.FT.

INDEX OF DRAWINGS

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DESIGNWORKSHOP
506 Agua Fria
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(Tel.) 505.982.8399
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SCALE: NTS

VICINITY MAP G-20-Z

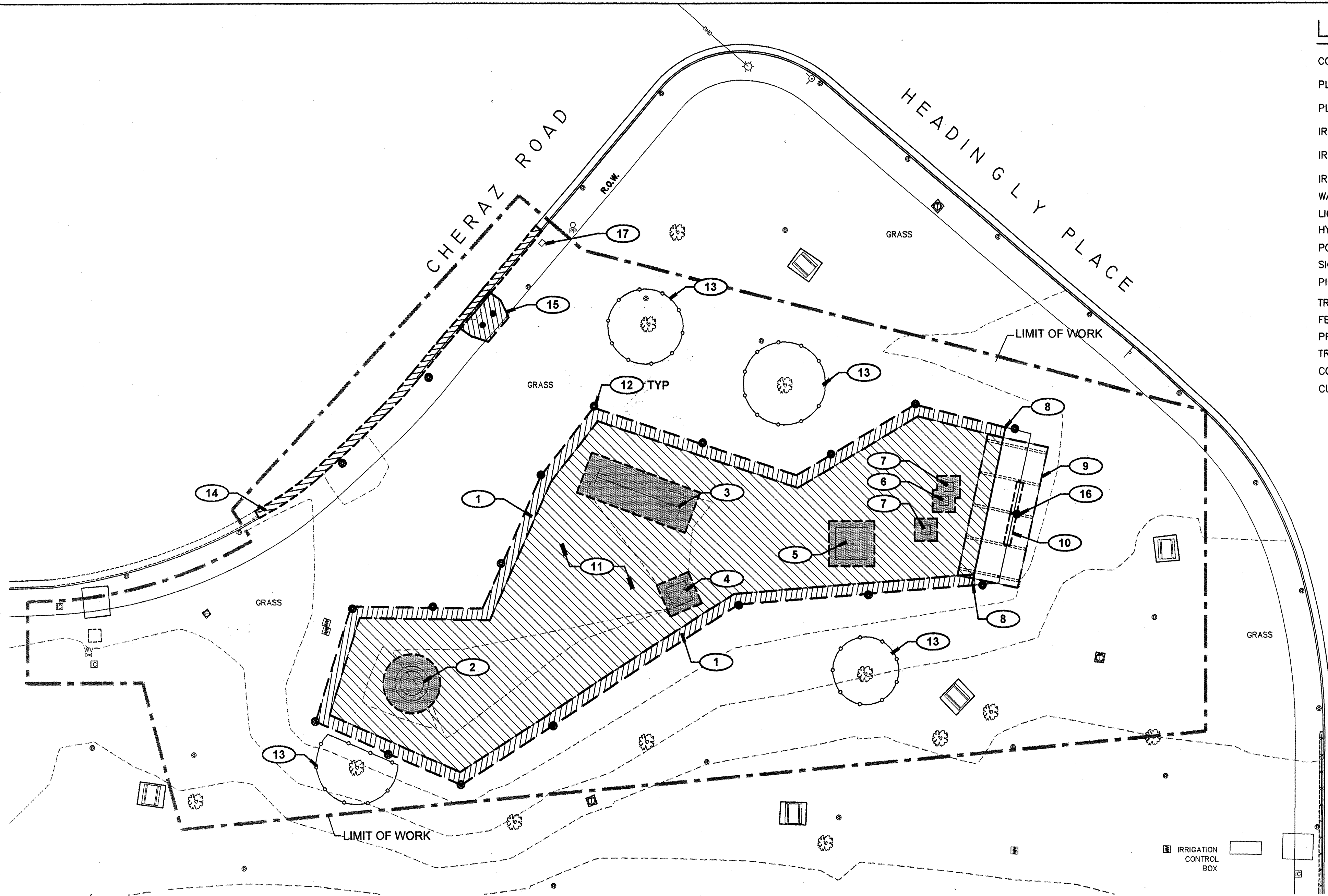
GENERAL NOTES

- 1 ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH MOST RECENT UPDATE AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
- 2 ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
- 3 ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4 CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 5 ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- 6 AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 7 CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- 8 PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH OTHER PROJECTS IN THE AREA.
- 9 CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY ENGINEER AND SHALL NOTIFY THE CITY ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SUCH MONUMENTS. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL AT HIS OWN EXPENSE ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
- 10 CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-4200) FIVE (5) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING CITY VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.
- 11 FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE.

FOR INFORMATION ONLY

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
LANDSCAPE ARCHITECT'S SEAL		APPROVALS	ENGINEER	DATE	*****		
		DRC CHAIRMAN	<i>[Signature]</i>	7-20-01	APPROVED FOR CONSTRUCTION		
		TRANSPORTATION	<i>[Signature]</i>	7-16-01			
		WATER/WASTEWATER	<i>[Signature]</i>	7-16-01			
		HYDROLOGY	<i>[Signature]</i>	7-16-01			
		C.I.P.	<i>[Signature]</i>	7-16-01			
		CONSTR. DIVISION	<i>[Signature]</i>	7-16-01	City Engineer Date		
City Project Number				661291		Sheet 1.0 of 11	

SET NUMBER: _____



1 DEMOLITION PLAN
SCALE: 1"=20'-0"

LEGEND-DEMOLITION

- CONCRETE WALK TO BE REMOVED
- PLAY EQUIPMENT TO BE REMOVED
- PLAYGROUND SAND TO BE REMOVED
- IRRIGATION HEAD (TO REMAIN)
- IRRIGATION HEAD TO BE REMOVED
- IRRIGATION CONTROLLER (TO REMAIN)
- WATER VALVE (TO REMAIN)
- LIGHT POLE (TO REMAIN)
- HYDRANT (TO REMAIN)
- POWER POLE (TO REMAIN)
- SIGN, TYP. (TO REMAIN)
- PICNIC TABLE AND PAD (TO REMAIN)
- TRASH RECEPTACLE (TO REMAIN)
- FENCE (TO REMAIN)
- PROPOSED PROTECTIVE FENCING
- TREE (TO REMAIN)
- CONTOURS
- CURB + GUTTER (TO REMAIN)

DEMOLITION KEYED NOTES

- 1 REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK AS SHOWN.
- 2 REMOVE AND DISPOSE OF EXISTING MERRY-GO-ROUND AS SHOWN TO FULL DEPTH OF CONSTRUCTION.
- 3 REMOVE AND DISPOSE OF EXISTING SWING SET TO FULL DEPTH OF CONSTRUCTION.
- 4 REMOVE AND DISPOSE OF EXISTING WOODEN FORT TO FULL DEPTH OF CONSTRUCTION.
- 5 REMOVE AND DISPOSE OF EXISTING JUNGLE GYM TO FULL DEPTH OF CONSTRUCTION.
- 6 REMOVE AND DISPOSE OF EXISTING PLASTIC ROCKING TOY TO FULL DEPTH OF CONSTRUCTION.
- 7 SALVAGE AND PROTECT EXISTING ALUMINUM ROCKING TOYS. STORE OFF-SITE. RELOCATE IN NEW PLAY AREA, SEE SHEET 5.0 FOR NEW LOCATIONS. REMOVE EXISTING FOUNDATION TO FULL DEPTH OF CONSTRUCTION.
- 8 SAW-CUT CONCRETE. EXISTING CONCRETE PLATFORM UNDER SHADE STRUCTURE TO REMAIN.
- 9 REMOVE ROOF OF EXISTING SHADE STRUCTURE. PROTECT HEAVY TIMBER AND STEEL STRUCTURE FROM DAMAGE BY HEAVY MACHINERY; PROVIDE BRACING AS NECESSARY.
- 10 REMOVE AND DISPOSE OF EXISTING WOODEN BENCHES BETWEEN I-BEAMS AS SHOWN.
- 11 REMOVE AND DISPOSE OF EXISTING PLAYGROUND SAND TO 12" DEPTH.
- 12 EXISTING IRRIGATION HEADS TO BE REMOVED, SALVAGED, AND TURNED OVER TO C.O.A. PARKS AND REC. DEPARTMENT.
- 13 INSTALL PROTECTIVE FENCING AROUND DESIGNATED EXISTING TREES AS INDICATED.
- 14 SAW CUT, REMOVE & DISPOSE OF EXISTING CURB & GUTTER AS PER COA STANDARDS. SEE SHEET 9.0 FOR EXACT LOCATION OF CUT.
- 15 REMOVE & DISPOSE OF EXISTING CONCRETE ACCESS RAMP.
- 16 STRIP PAINT OFF STEEL STRUCTURAL COMPONENTS AND REMOVE RUST.
- 17 PRESERVE AND PROTECT EXISTING IRRIGATION CONTROL RISER AND INCOMING IRRIGATION LINES FROM DAMAGE.

DEMOLITION GENERAL NOTES

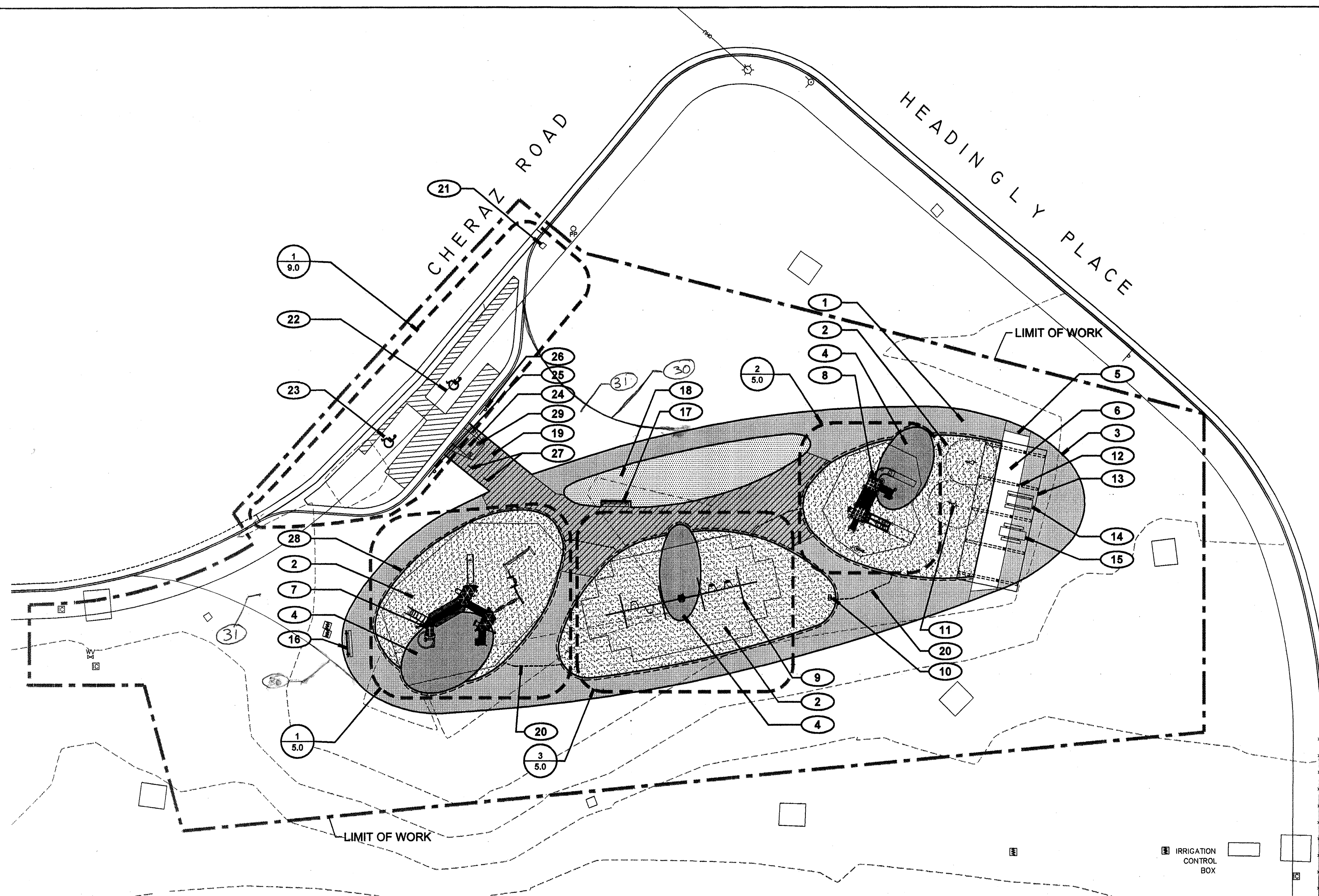
1. Before starting any demolition and/or construction, put up protective fencing around existing trees noted by keyed note #13.
2. Remove items shown on the plan to the full depth of their construction unless designated to remain.
3. Verify the location of items to remain prior to commencement of the work.
4. Items encountered below grade and not shown on the drawings shall be brought to the attention of the landscape architect.
5. Remove demolished materials from site. Disposal by burning and/or burying is prohibited.
6. Contact the local underground service for utility location and identification prior to demolition.
7. The location of existing utilities as shown on the plans may vary in relation to actual existing conditions; additional utilities not shown on the drawings may exist. Verify in the field the data shown, and call to the attention of the Architect or Site Representative, any discrepancies before starting work.
8. Perform excavation in the vicinity of existing utilities by hand where applicable. The Contractor is responsible for damage to existing utilities caused by any person, vehicle, equipment, or tool related to the execution of the Contract.
9. Preserve and protect existing irrigation system except as directed in keyed note #12.
10. Preserve and protect existing concrete curbs, all existing trees, benches and lawn areas unless specified for removal. Areas not affected by construction to remain undisturbed.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	PROJECT BENCHMARK-T.M.=7-G20	DATE	NO.	BY		REVISIONS
INSPECTOR	DATE	STANDARD ACS BRASS TABLET STAMPED "7-G20"	DATE				
ACCEPTANCE BY	DATE	DRILLED INTO TOP OF CONCRETE CURB LOCATED AT THE NORTHERN END OF THE INTERSECTION OF COMANCHE RD. AND MOON ST.	DATE				
VERIFICATION BY	DATE	NM CENTRAL ZONE, NAD 27, IN FEET	DATE				
MICRO-FILM INFORMATION		ELEVATION = 5470.49 (M.S.L.D.14)		DESIGNED BY CMH		DESIGN	
RECORDED BY		Y = 1500333.79		DRAWN BY WBT		REVISIONS	
NO.		X = 412817.72		CHECKED BY KB		DESIGN	
						DATE 03-20-2001	
						DATE 03-20-2001	
						DATE 03-20-2001	

FOR INFORMATION ONLY

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: AZTEC PARK RENOVATION DEMOLITION PLAN	
Design Review Committee	City Engineer Approval
APPROVED JUL 20 2001 DESIGN REVIEW COMMITTEE	APPROVED JUL 20 2001 CITY ENGINEER
City Project No. 661291	Zone Map No. G-20-Z
Sheet 2.0 Of 11	



LEGEND

- CONCRETE WALK - PROPOSED 4"
- CONCRETE WALK - PROPOSED 6"
- CONCRETE PAD (EXISTING TO REMAIN)
- RESILIENT SURFACE - PROPOSED
- PLAYGROUND SAND - PROPOSED
- STONE COBBLES - PROPOSED
- LIGHT POLE
- HYDRANT
- POWER POLE
- SIGN, TYP.
- SAFETY SIGN - PROPOSED
- PICNIC TABLE
- FENCE
- TREE
- CONTOURS
- CURB + GUTTER TO REMAIN
- IRRIGATION CONTROL RISER

MATERIALS KEYED NOTES

- 1 PROPOSED 4" CONCRETE WALK. TURN DOWN SLAB OF CONCRETE WALK ADJOINING SAND PLAY AREA AND RESILIENT SURFACE ONLY. INSTALL WALK PER COA DETAIL 2728.
- 2 PROVIDE AND INSTALL CLEAN MASONRY SAND 12" DEEP. SEE DETAIL 2, SHEET 5.0.
- 3 PROPOSED CONCRETE PAD EXTENSION. CONCRETE COLOR TO MATCH EXISTING REMAINING CONCRETE SLAB, CONSISTANT WITH MANUFACTURER SPECIFICATIONS.
- 4 NEW POURED IN PLACE RESILIENT SURFACING. SEE DETAIL 5 SHEET 5.0, DETAIL 4 SHEET 5.0 FOR THICKNESS, SHEET 5.0 FOR COLOR
- 5 PROVIDE TYPE 5 EXPANSION JOINTS PER C.O.A. DETAIL 2451.
- 6 EXISTING CONCRETE PAD TO REMAIN.
- 7 PROPOSED 5-12 YEAR OLD PLAY EQUIPMENT, SEE DETAIL 1, SHEET 5.0.
- 8 PROPOSED 2-5 YEAR OLD PLAY EQUIPMENT, SEE DETAIL 2, SHEET 5.0.
- 9 PROPOSED 3-BAY SWING, SEE DETAIL 3 SHEET 5.0.
- 10 PROPOSED PLAY EQUIPMENT-SPACE BOB. SEE SHEET 5.0 FOR EXACT LOCATION.
- 11 INSTALL SALVAGED ROCKING PLAY-TOYS, SEE SHEET 5.0 FOR EXACT LOCATION. TOUCH-UP PAINT.
- 12 PROVIDE RUST PROTECTION, BASE COAT AND FINISH COAT ON METAL COMPONENTS OF EXISTING SHADE STRUCTURE. FINISH COLOR-STRUCTURAL ELEMENTS TO MATCH PANTONE #157C, UNDERSIDE OF ROOF DECK TO MATCH PANTONE COOL GRAY 2C.
- 13 PROVIDE MAINTENANCE TO EXISTING BUILT-UP ROOF WITH T&G UNDERDECK PER COA SPECIFICATIONS. INSTALL CRICKETS FOR POSITIVE DRAINAGE PER COA SPECIFICATIONS.
- 14 PROPOSED 8' PICNIC TABLE - MODEL 1404, PLAYWORLD SYSTEMS INC. SURFACE-MOUNTED, BOLTED TO CONCRETE PAD WITH #1409 HOLD DOWN KIT, COLOR - STEEL GRAY TOPS AND FRAME
- 15 PROPOSED 8' ACCESSIBLE PICNIC TABLE - MODEL 1406, PLAYWORLD SYSTEMS INC., SURFACE-MOUNTED, BOLTED TO CONCRETE PAD WITH #1409 HOLD DOWN KIT, COLOR - STEEL GRAY TOPS AND FRAME
- 16 PROPOSED 8' BENCH W/BACK AND ARMS - MODEL P3351, WABASH VALLEY INC., PERMANENT IN-GROUND MOUNT, COLOR - YELLOW
- 17 PROPOSED 8' BENCH W/BACK AND ARMS - MODEL P3351, WABASH VALLEY INC., PERMANENT IN-GROUND MOUNT, COLOR - BLUE
- 18 PROPOSED PLANTING BED WITH SMOOTH COBBLES 4"-8" DIA. COLOR - SANTA ANA TAN. SEE PLANTING, PLAN SHEET 6.0 FOR DETAILS.
- 19 PROPOSED 6" CONCRETE WALK. INSTALL PER COA DETAIL 2720. COORDINATE LIMIT OF CONCRETE WITH EXPANSION JOINT LAYOUT.
- 20 LIMITS OF CONCRETE WALK W/ DUAL TURN DOWN SLAB. SEE DETAIL 2 SHEET 5.0.
- 21 EXISTING IRRIGATION CONTROL RISER. PROTECT & AVOID DISTURBANCE.
- 22 ACCESSIBLE PARKING SPACE.
- 23 VAN ACCESSIBLE PARKING SPACE.
- 24 CONCRETE HANDICAP RAMP PER C.O.A. DETAILS. MODIFIED 2440. SEE SHEET 4.0 FOR LAYOUT.
- 25 ACCESSIBLE VAN PARKING SIGN PER C.O.A. SPECIFICATIONS.
- 26 ACCESSIBLE PARKING SIGN PER C.O.A. SPECIFICATIONS.
- 27 LOOP BIKERACK - MODEL 83 SERIES, DUMOR INC., NATURAL GALVANIZED FINISH, EMBEDDED. SEE DETAIL 3 SHEET 3.0, QUANTITY - 2. SEE DETAIL 1 SHEET 4.0 FOR LOCATION.
- 28 TURNED DOWN CURB PER COA DETAIL 2728.
- 29 PROPOSED METAL REMOVABLE POSTS (2) PER COA DETAIL 2250. SEE DETAIL 1 SHEET 4.0 FOR LOCATION.

- 30 6" mow curb
31 4" Santa Ana Tan Crusher Fines

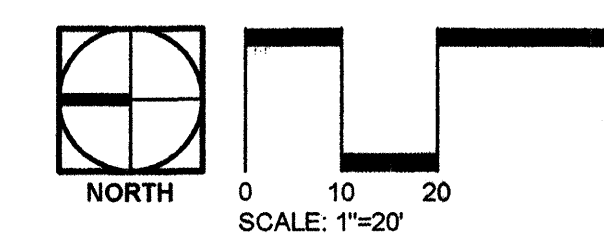
GENERAL NOTES

1. ALL NEW CONCRETE BORDERING SAND PLAY AREA TO HAVE TURN DOWN EDGE. SEE KEYED NOTE #1.
2. CONTRACTOR TO PROVIDE, INSTALL AND MAINTAIN CONSTRUCTION FENCING TO ENCLOSE PLAY AREA FOR ENTIRE DURATION OF CONSTRUCTION.
3. PROVIDE AND INSTALL PLAY STRUCTURES. SEE SHT. 5.0 FOR DIMENSIONING AND DETAILS.
4. SEE SHT. 4.0 FOR DIMENSIONING OF ALL PROPOSED CONCRETE WALKS.

DISCLAIMER

BASE SURVEY INFORMATION WAS PROVIDED BY COMMUNITY SCIENCES CORPS. IT IS ASSUMED TO BE CORRECT. BRING DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCH. OR ENGINEER IMMEDIATELY.

FOR INFORMATION ONLY

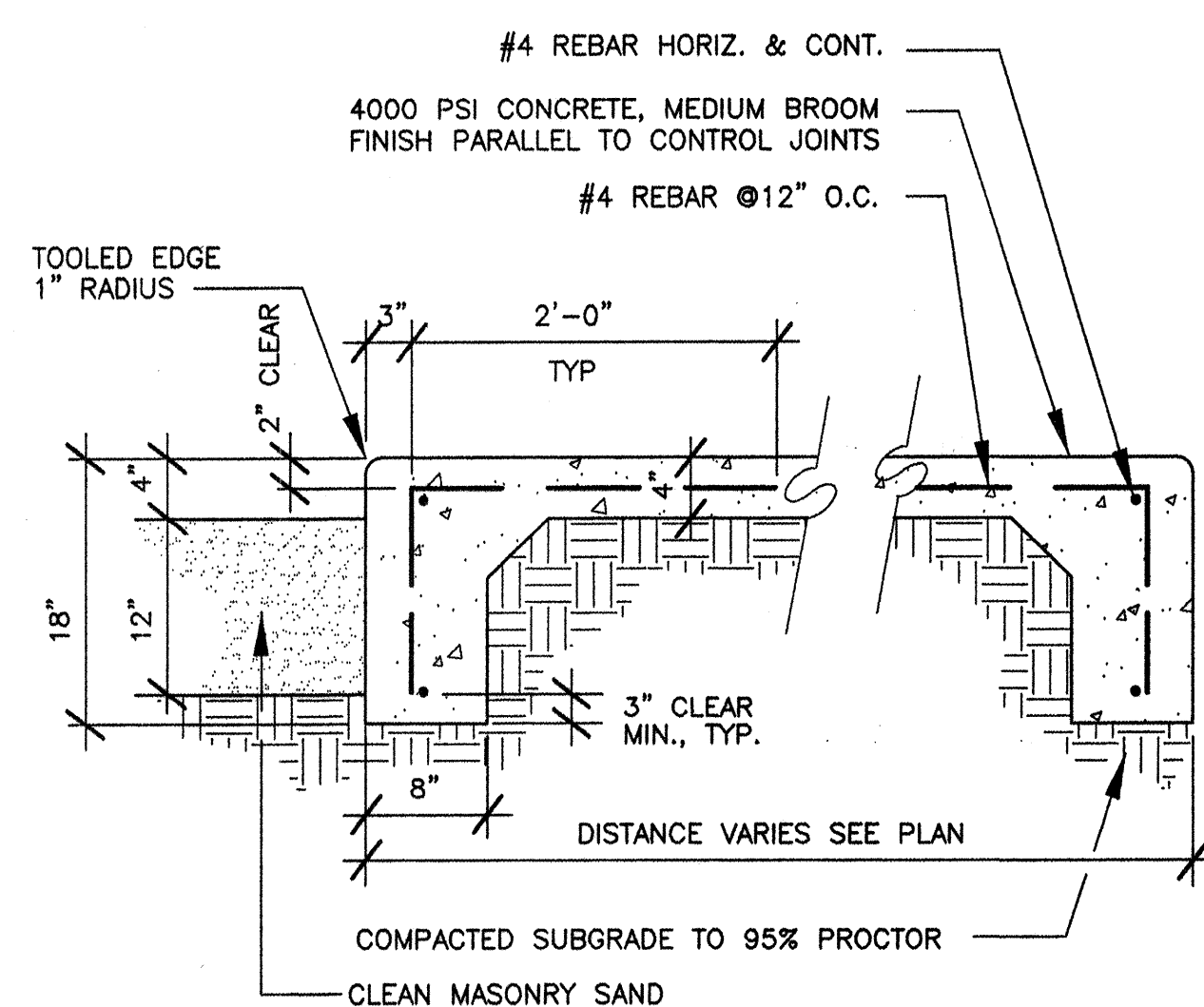


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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: AZTEC PARK RENOVATION MATERIALS PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED	APPROVED	12-13-2000	
		03-20-2001	
		06-28-2001	
City Project No.	Zone Map No.	Sheet	Of
661291	G-20-Z	3.0	11

1 MATERIALS PLAN

SCALE: 1"=20'-0"

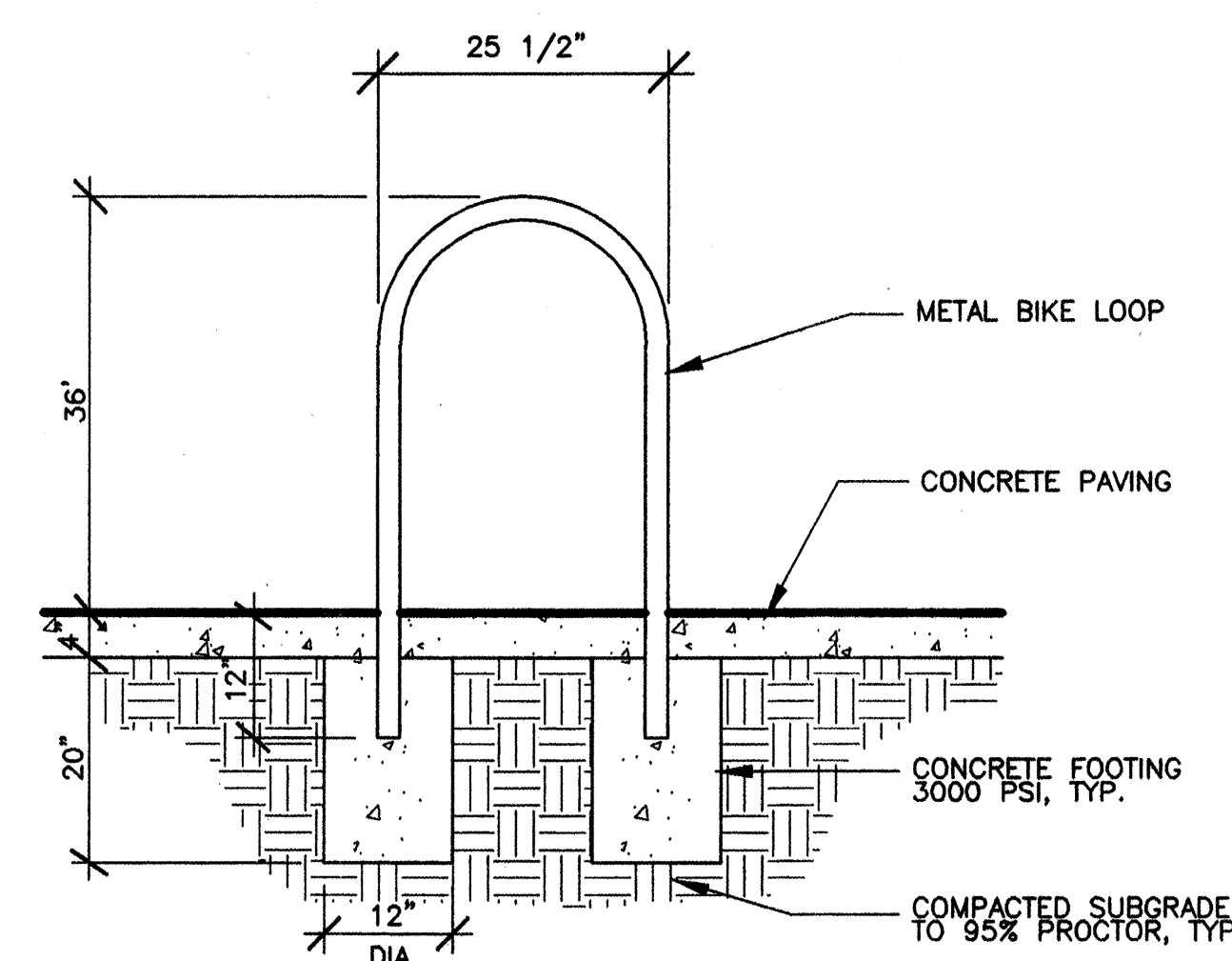


SECTION

2 CONCRETE PAVING WITH DUAL TURNDOWN SLAB

SCALE: 1"=1'-0"

SECTION

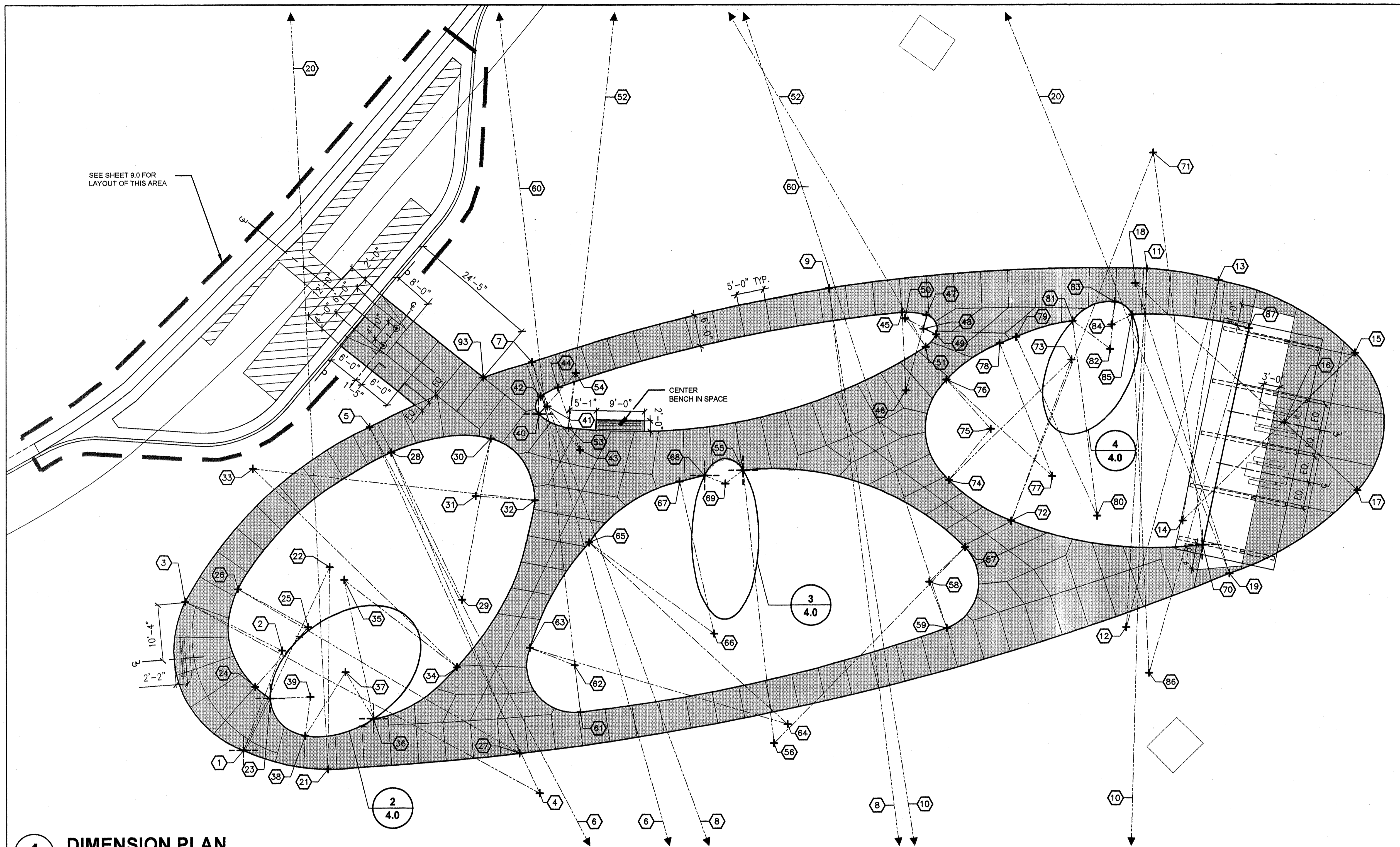


NOTE: BIKE LOOP RACK BY DUMOR INC.
AVAILABLE FROM EXERPLAY (505) 281-0151
MODEL: EMBEDDED LOOP BIKE RACK 83 (OR APPROVED EQUAL)
COLOR: NATURAL GALVANIZED
INSTALL PER MANUFACTURER'S SPECIFICATIONS

3 BIKE RACK DETAIL

NTS

SECTION



1 DIMENSION PLAN

SCALE: 1"=20'-0"

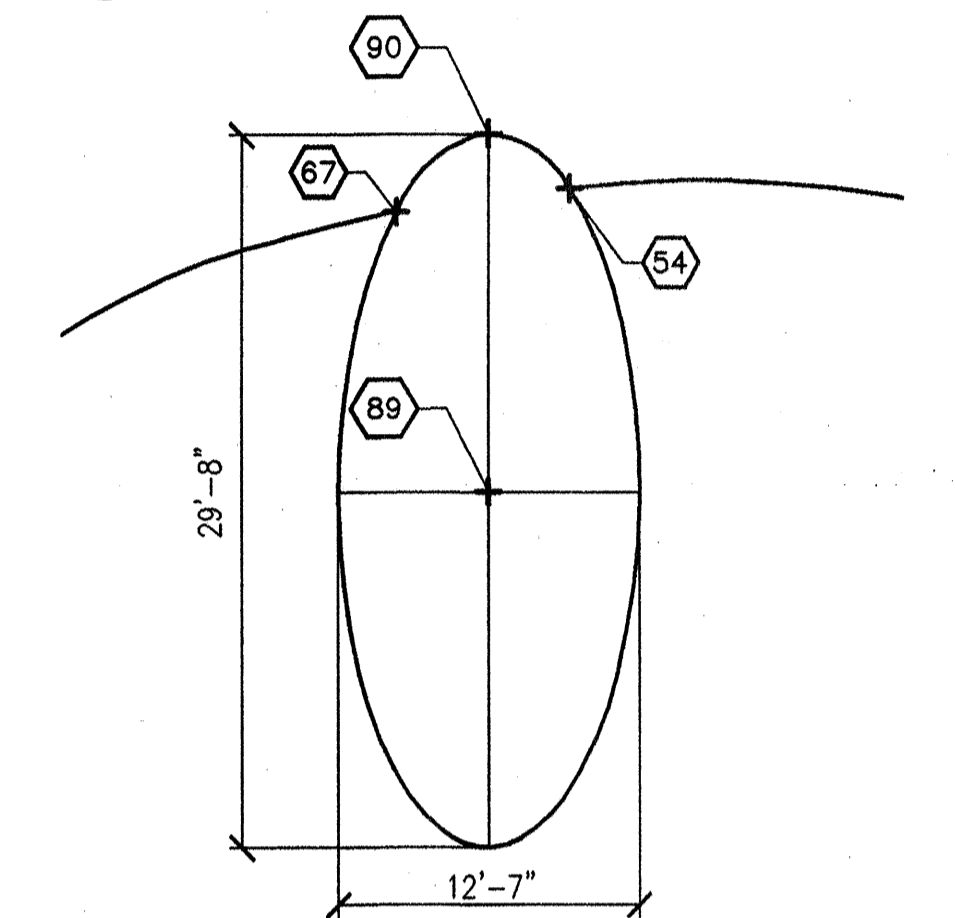
COORDINATE SCHEDULE

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2 X=413222.16/Y=1499423.10/R=20.17	21 X=413199.66/Y=1499414.52/PCC.	40 X=413266.06/Y=1499375.04/START	59 X=413226.30/Y=1499298.64/PCC.	78 X=413279.32/Y=1499288.72/PT.
3 X=413231/Y=1499441/PCC.	22 X=413237.60/Y=1499414.16/R=37.94	41 X=413267.52/Y=1499373.41/R=2.19	60 X=413522.04/Y=1499403.17/R=313.66	79 X=413280.47/Y=1499285.66/START
4 X=413195.18/Y=1499374.91/R=75.43	23 X=413213.12/Y=1499425.28/END	42 X=413269.32/Y=1499374.66/PCC.	61 X=413210.45/Y=1499367.24/START	80 X=413247.00/Y=1499270.54/R=36.73
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6 X=413123.86/Y=1499333.12/R=157.91	25 X=413226.49/Y=1499418.18/R=14.91	44 X=413271.03/Y=1499371.42/PCC.	63 X=413222.63/Y=1499376.72/PCC.	82 X=413278.24/Y=1499268.05/R=8.74
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8 X=413036.83/Y=1499288.89/R=254.41	27 X=413202.67/Y=1499378.64/R=61.07	46 X=413270.44/Y=1499306.27/R=14.56	65 X=413242.19/Y=1499365.61/PCC.	84 X=413282.74/Y=1499267.79/R=4.25
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2 RESILIENT SURFACE

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

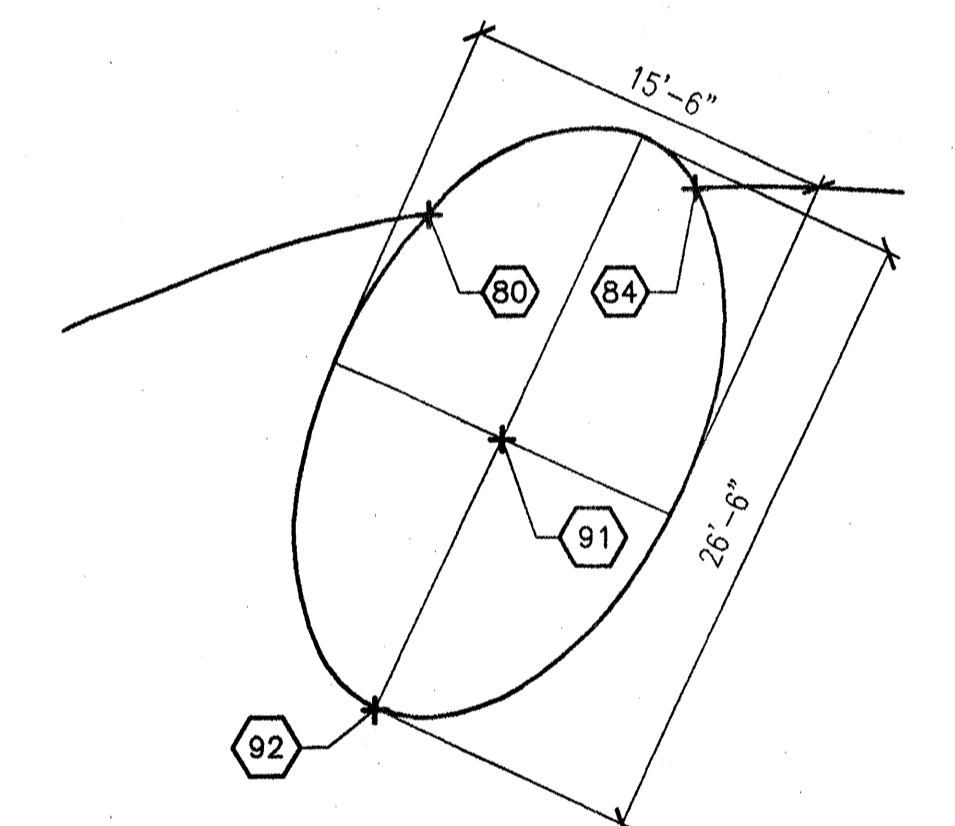
PLAN



3 RESILIENT SURFACE

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

PLAN



4 RESILIENT SURFACE

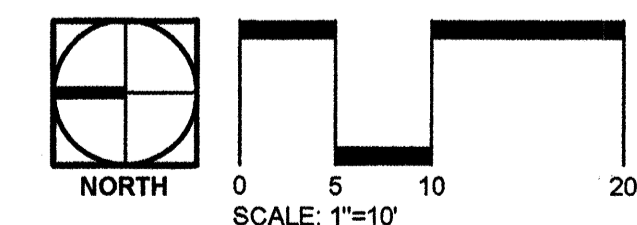
SCALE: 1/8"=1'-0"

PLAN

FOR INFORMATION ONLY

GENERAL NOTES

- CLIENT & LANDSCAPE ARCHITECT TO APPROVE CONCRETE AND RESILIENT SURFACE FORMWORK LAYOUT IN FIELD PRIOR TO POUR.



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(Fax) 505.986.1396

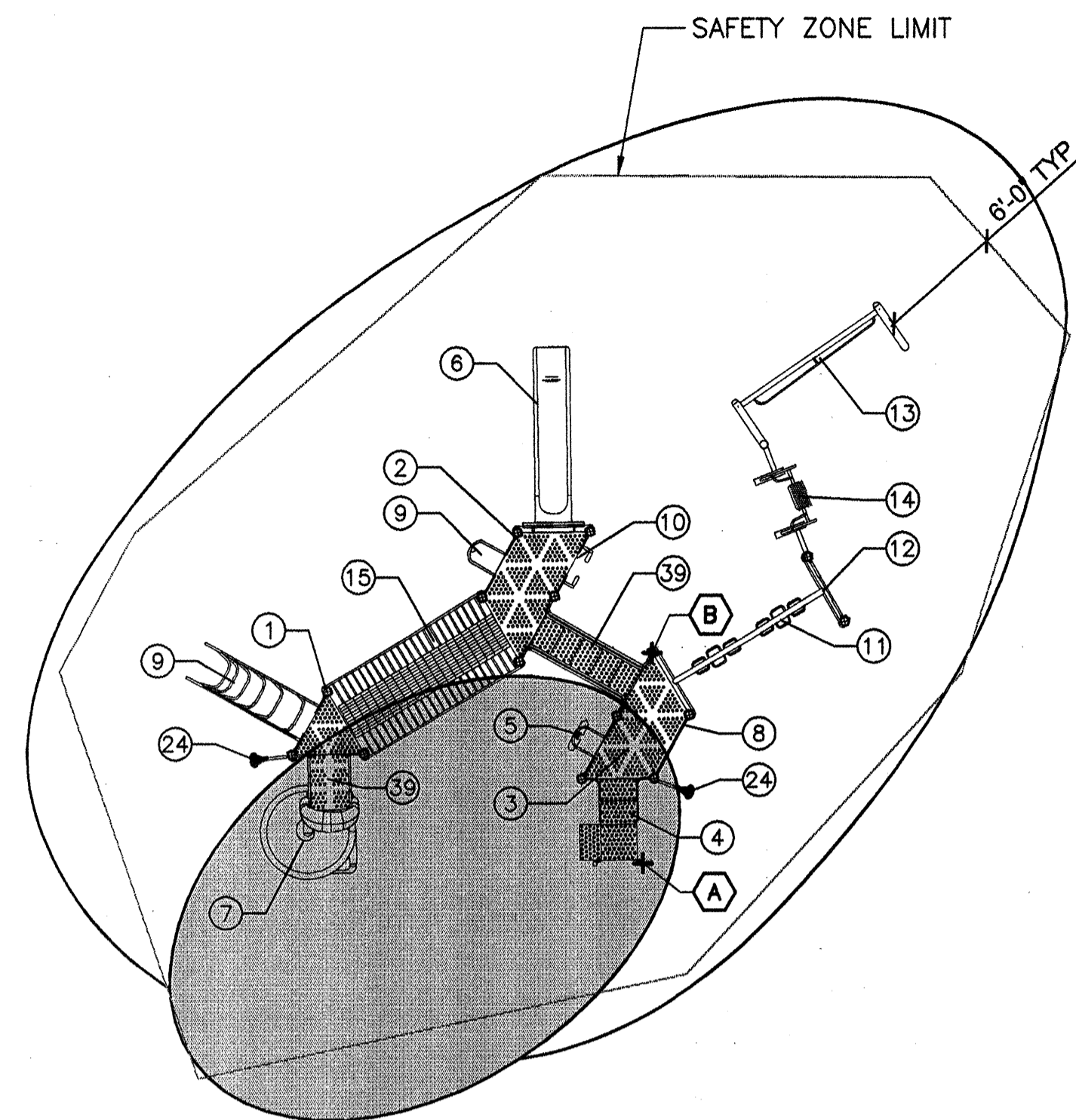
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: AZTEC PARK RENOVATION DIMENSION PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
12-13-2000	03-20-2001	06-28-2001	
DESIGN REVIEW COMMITTEE	CITY		
City Project No.	Zone Map No.	Sheet	Of
661291	G-20-Z	4.0	11



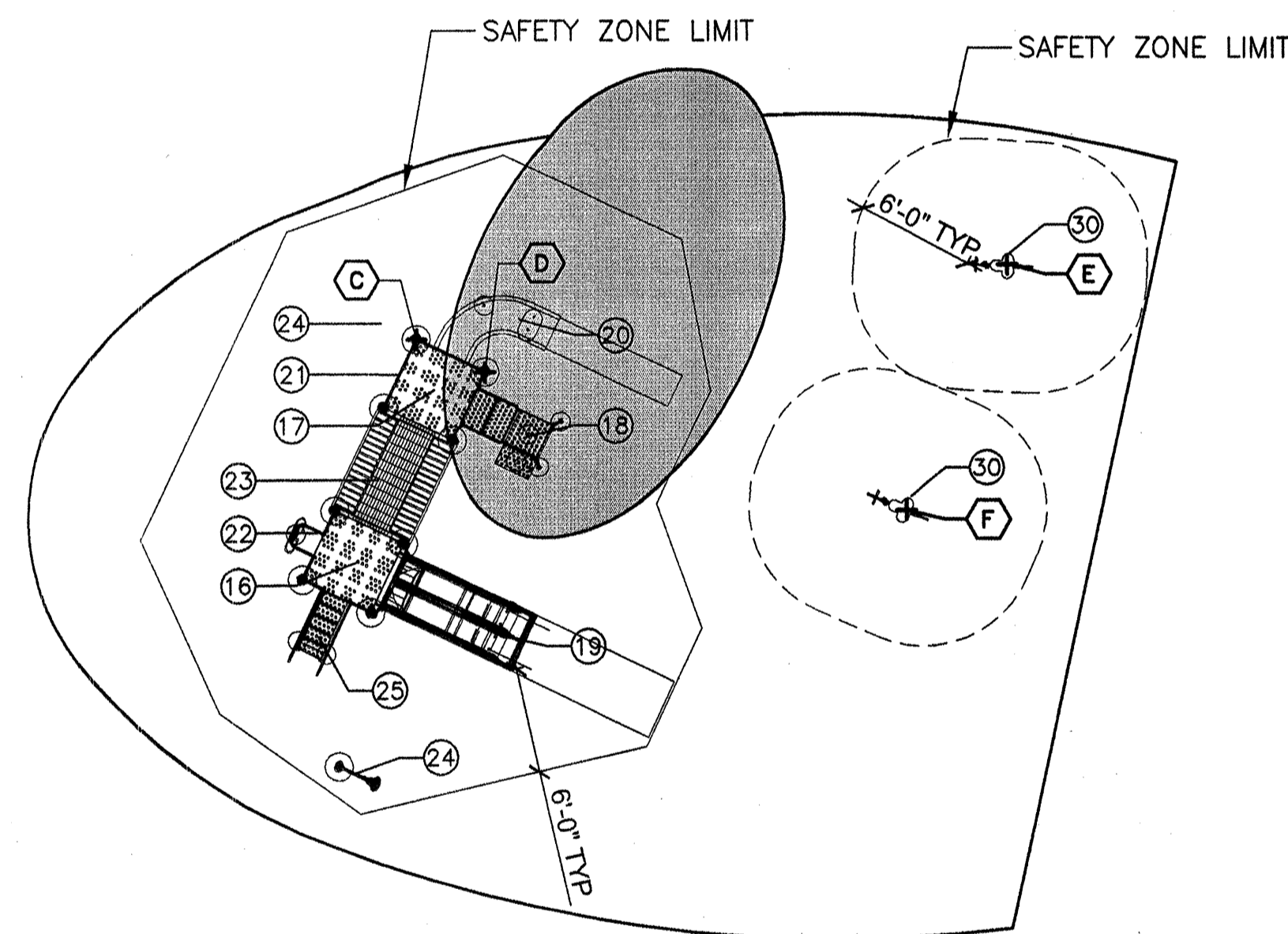
NO.	DATE	REVISIONS	BY
1	03-20-2001	DESIGN	CMH
2	03-20-2001		WBT
3	03-20-2001		KB

CONTRACTOR	DATE	INFORMATION
STANDARD	77-620	AS-BUILT INFORMATION
INSPECTOR'S	BY	
FIELD	DATE	
ADJUSTMENT	DATE	
CORRECTION	DATE	
RECORDED	DATE	
NO.		

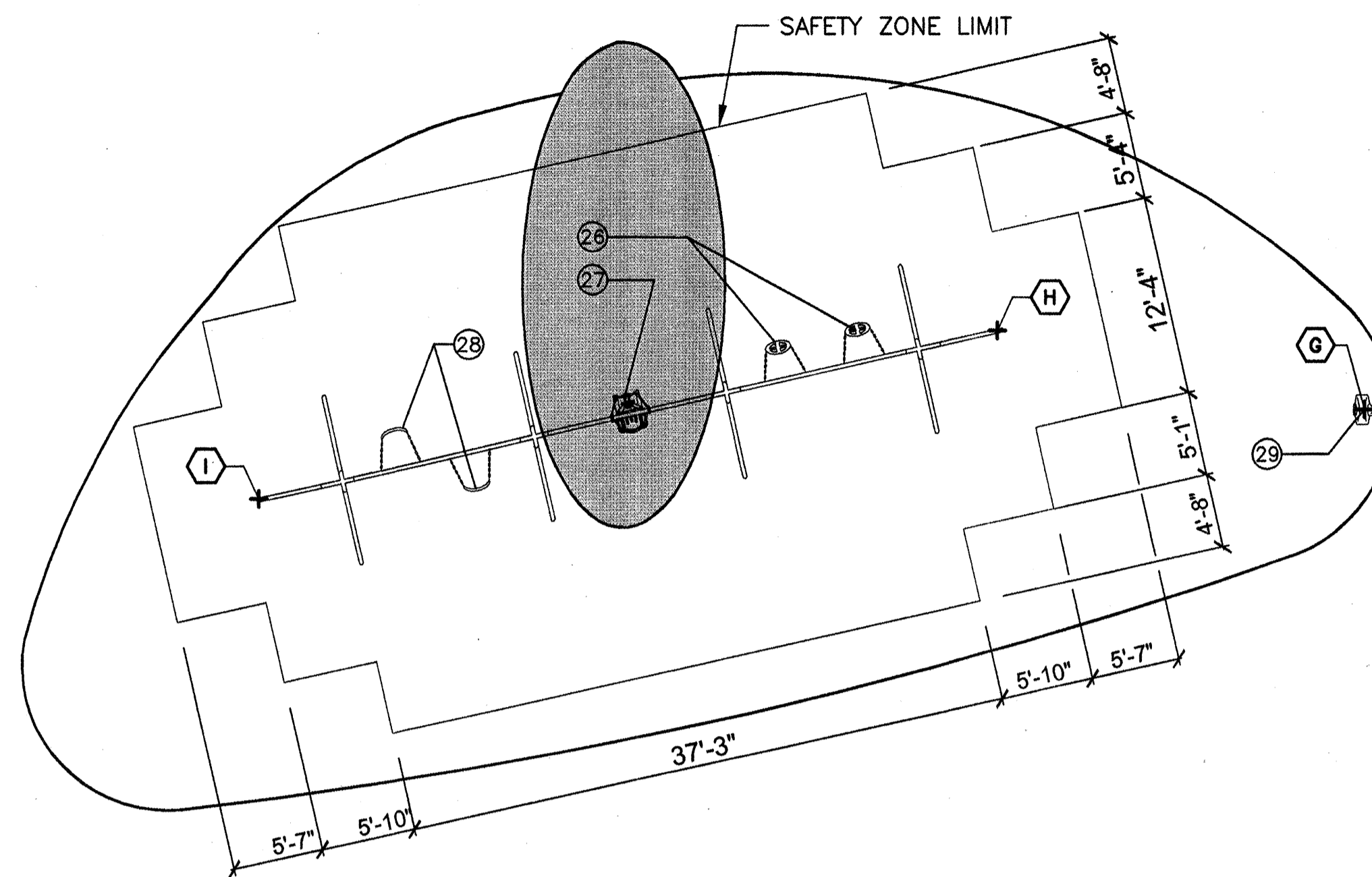
PROJECT BENCHMARK	BENCH MARKS	INFORMATION
STANDARD ACS BRASS TABLET STAMPED "77-620"		
DRILLED INTO TOP OF CONCRETE CURB LOCATED AT THE NORTHERN		
END OF THE INTERSECTION OF COMANCHE RD. AND MOON ST.		
NM CENTRAL ZONE, NAD 27, IN FEET		
X = 412817.72		
Y = 1500333.79		
ELEVATION = 5470.49 (M.S.L.D.24)		



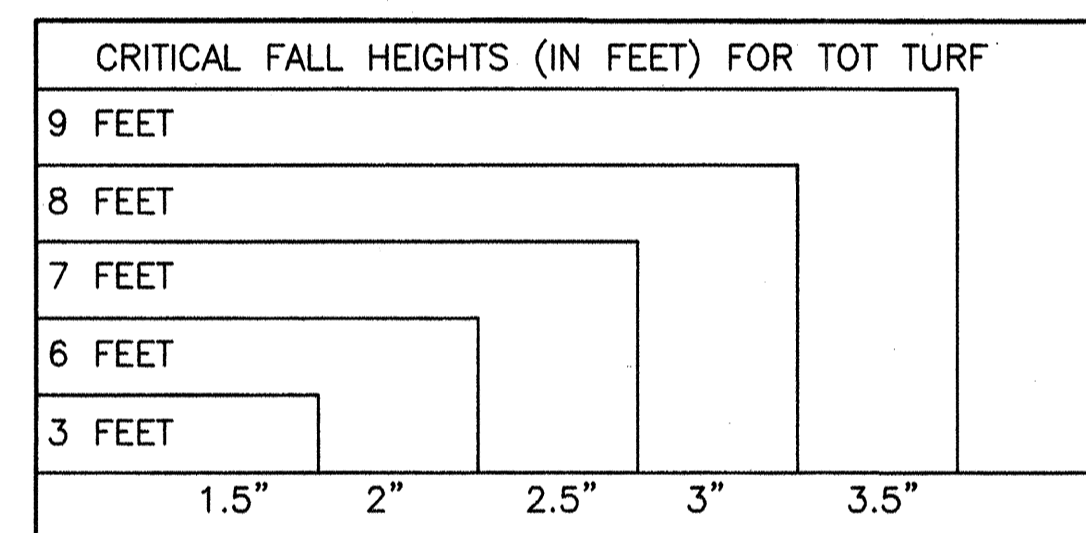
1 PLAY STRUCTURE PLAN FOR CHILDREN AGES 5-12
SCALE: 1"=10'-0" PLAN



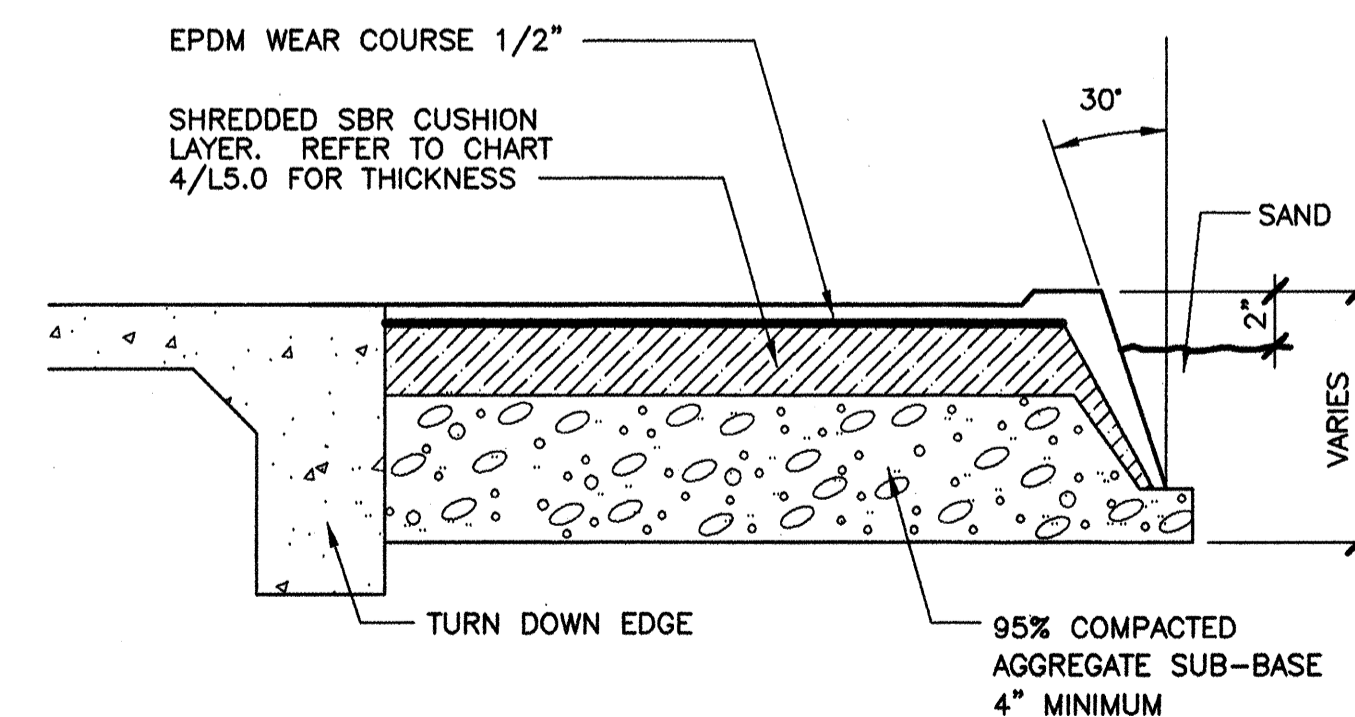
2 PLAY STRUCTURE PLAN FOR CHILDREN AGES 2-5
SCALE: 1"=10'-0" PLAN



3 3-BAY SWING PLAY STRUCTURE PLAN
SCALE: 1"=10'-0" PLAN



4 TOT TURF THICKNESS CHART
NTS



5 POURED IN PLACE RESILIENT SURFACING
SCALE: 1"=10'-0" SECTION

PLAY EQUIPMENT GENERAL NOTES

- ALL EQUIPMENT MANUFACTURED BY PLAYWORLD SYSTEMS INC. AND TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- PROPOSED COLORS: PLAY EQUIPMENT 5-12 YEAR OLD SUPPORTS TO BE SAGE WITH BLUE AND AZURE STEEL COMPONENTS AND SEAFORM PLASTIC COMPONENTS.
- PROPOSED COLORS: PLAY EQUIPMENT 2-5 YEAR OLD SUPPORTS TO BE RED WITH SALMON METAL COMPONENTS AND RED PLASTIC COMPONENTS.
- PROPOSED COLORS: SWING TOP RAIL TO BE BLACK; SUPPORTS, BRACKETS, AND CHAINS TO BE GALVANIZED, ACCESSIBLE SWING SEAT TO BE YELLOW WITH YELLOW ACCENT
- PROPOSED COLORS: SPACE BOB HEAD AND LEGS TO BE PRISMCOAT™ PLATINUM AND NOSE TO BE METALLIC SILVER.

PLAY EQUIPMENT KEYED NOTES

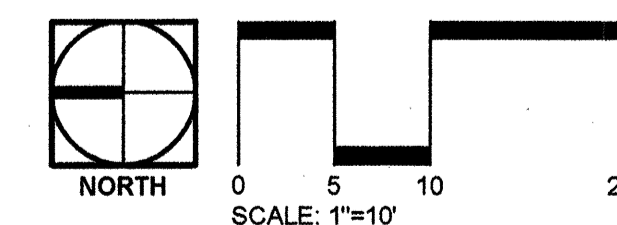
- TRIANGULAR VINYL DECK ASSEMBLY
- HALF HEX VINYL DECK ASSEMBLY
- TRANSFER STATION (36" DECK)
- APPROACH STEP FOR TRANSFER STATION
- SLIDING POLE (72" DECK)
- LIGHTING SLIDE (72" DECK)
- 360 DEGREE SPIRAL SLIDE (PLASTIC)
- CENTERLINE PIPE WALL BARRIER
- DEEP RUNG ARCH CLIMBER (72" DECK)
- PLATEAU CLIMBER (72" DECK)
- 10" WAVE LADDER
- OVERHEAD EVENT ACCESS LADDER (36")
- HAND OVER HAND LADDER FOR CANTILEVERS
- U-BOUNCE
- 10' CATWALK
- SQUARE VINYL DECK ASSEMBLY
- TRANSFER STATION (36" DECK)
- APPROACH STEP FOR TRANSFER STATION
- DOUBLE LIGHTING SLIDE (48" DECK)
- 90° LIGHTING SLIDE (36" DECK)
- CENTERLINE PIPE WALL BARRIER
- BEANSTALK CLIMBER (48" DECK)
- 6' CATWALK
- CHATTERBOX W/(2) FUNNELS
- VINYL COATED STAIRS (48" DECK)
- SLASH-PROOF INFANT SEAT
- ACCESSIBLE SWING SEAT
- REINFORCED RUBBER SWING SEAT
- SPACE BOB
- ROCKING ANIMAL (REUSE EXISTING)

COORDINATE SCHEDULE

- | | |
|---|--------------------------|
| A | X=413220.08/Y=1499399.11 |
| B | X=413231.77/Y=1499389.62 |
| C | X=413277.64/Y=1499282.20 |
| D | X=413270.91/Y=1499278.56 |
| E | X=413276.60/Y=1499251.04 |
| F | X=413263.67/Y=1499256.32 |
| G | X=413235.14/Y=1499291.73 |
| H | X=413240.06/Y=1499317.06 |
| I | X=413229.73/Y=1499362.70 |

RESILIENT SURFACING GENERAL NOTES

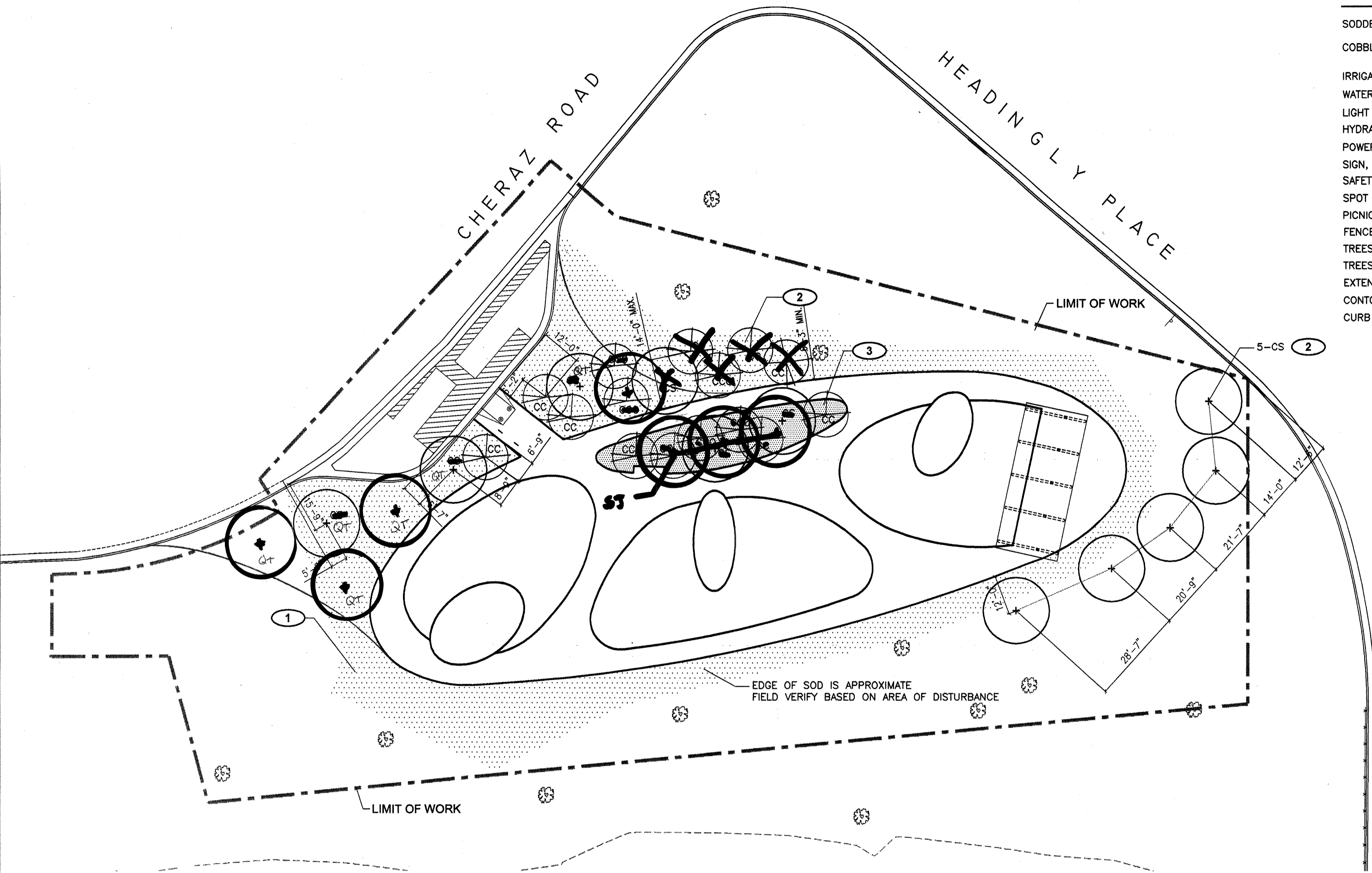
- ALL RESILIENT SURFACING TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- PROPOSED COLORS: 5-12 PLAY AREA
100% H11 BLUE (TOT TURF) EPDM WEARCOURSE
- PROPOSED COLORS: 2-5 PLAY AREA
100% H9 ORANGE (TOT TURF) EPDM WEARCOURSE
- PROPOSED COLORS: SWING AREA
100% 904 YELLOW (TOT TURF) EPDM WEARCOURSE



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: AZTEC PARK RENOVATION PLAY EQUIPMENT PLAN			
Design Review Committee	City Engineer Approval	Ms./Day/Yr.	Ms./Day/Yr.
APPROVE	APPROVE	12-13-2000	
		03-20-2001	
		06-28-2001	
City Project No.	Zone Map No.	Sheet	Of
661291	G-20-Z	5.0	11

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	PROJECT BENCHMARK-T.M.=7-G20	DATE	FIELD NOTES	BY	NO.	REMARKS
INSPECTOR'S	DATE	STANDARD ACS BRASS TABLET STAMPED "7-G20"	DATE				
FIELD	DATE	DRILLED INTO TOP OF CONCRETE CURB LOCATED AT THE NORTHERN	DATE				
VERIFICATION	DATE	END OF THE INTERSECTION OF COMANCHE RD. AND MOON ST.	DATE				
BY	DATE	NM CENTRAL ZONE, NAD 27, IN FEET	DATE				
	DATE	X= 412817.72	DATE				
	DATE	Y = 1500333.79	DATE				
	DATE	ELEVATION = 5470.49 (M.S.L.D.74)	DATE				



LEGEND-EXISTING

- SODDED AREA - PROPOSED
- COBBLE AREA - PROPOSED
- IRRIGATION CONTROLLER
- WATER VALVE
- LIGHT POLE
- HYDRANT
- POWER POLE
- SIGN, TYP.
- SAFETY SIGN - PROPOSED
- SPOT ELEVATION
- PICNIC TABLE PAD
- FENCE
- TREES
- TREES - PROPOSED
- EXTEND OF WORK
- CONTOURS
- CURB + GUTTER TO REMAIN

LANDSCAPE PLANTING GENERAL NOTES

- Source of base sheets is Community Sciences Corp., see disclaimer on sheet 3.0.
- Refer to civil engineer's utility and precise grading plans for utility location and final grading. If actual site conditions vary from what is shown on the plans, contact the landscape architect for direction as to how to proceed.
- Verify locations of pertinent site improvements installed under other sections. If any part of this plan cannot be followed due to site conditions, contact landscape architect for instructions prior to commencing work.
- Exact locations of plant materials to be staked by contractor and approved by the landscape architect in the field prior to installation. Landscape architect reserves the right to adjust plants to exact location in field.
- Verify plant counts and square footages: Quantities are provided as owner information only. If quantities on plant list differ from graphic indications, then graphics shall prevail.
- Contact the local underground utility services for utility location and identification.
- Perform excavation in the vicinity of underground utilities with care and by hand, if necessary. The contractor bears full responsibility for this work and disruption or damage to utilities shall be repaired immediately at no expense to the owner.
- Trees shall bear same relation to finished grade as it bore to existing.
- Trees to be planted a minimum of 4 feet from face of building, or pavement, except as approved by landscape architect.
- Provide matching forms and sizes for plant materials within each species and size designated on the drawings.
- Prune newly planted trees only as directed by landscape architect and as per C.O.A. specifications.
- Finish grades of shrub areas and lawns shall be 1 1/2 inches below adjacent paving or header.
- Landscape Architect to review plant materials at source or by photographs prior to digging or shipping of plant materials.

PLANTING KEYED NOTES

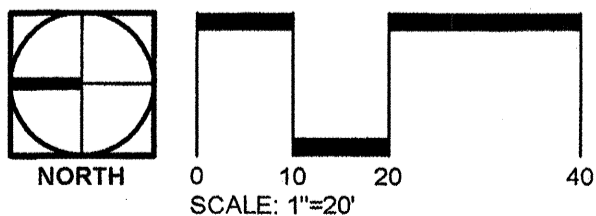
- 1 RE-SOD AREAS OF DISTURBANCE ACCORDING TO COA SPECIFICATIONS.
- 2 INSTALL TREES PER C.O.A DETAIL 2713.
- 3 INSTALL TREE IN PLANTER PER C.O.A. DETAIL 2715, SUBSTITUTE 4-8" SMOOTH COBBLES (SANTA ANA TAN) FOR MULCH. SEE GRADING AND DRAINAGE PLAN FOR PROFILE.

1 PLANTING PLAN
SCALE: 1"=20'-0"

PLAN

PLANT LIST

ABBR.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	CONT.	COMMENTS/MATURE SIZE
DECIDUOUS TREES						
CS	Catalpa speciosa	Catalpa	45	2.5-3" cal. 12-14' height	24"	Limbed up to 6' height Mature size - 30'-50'
CC	Cercis canadensis	Eastern Redbud	5	2-2.5" cal. 10-12' height	B+B	Single stem, Magenta flowers Limbed up to 6' height Mature size - 20'-25'
ST	Sophora japonica	Japanese Pagoda	2	2-2 1/2" cal	24"	
QT	Quercus texanum	Texas Red Oak	2	2-2 1/2" cal	24"	

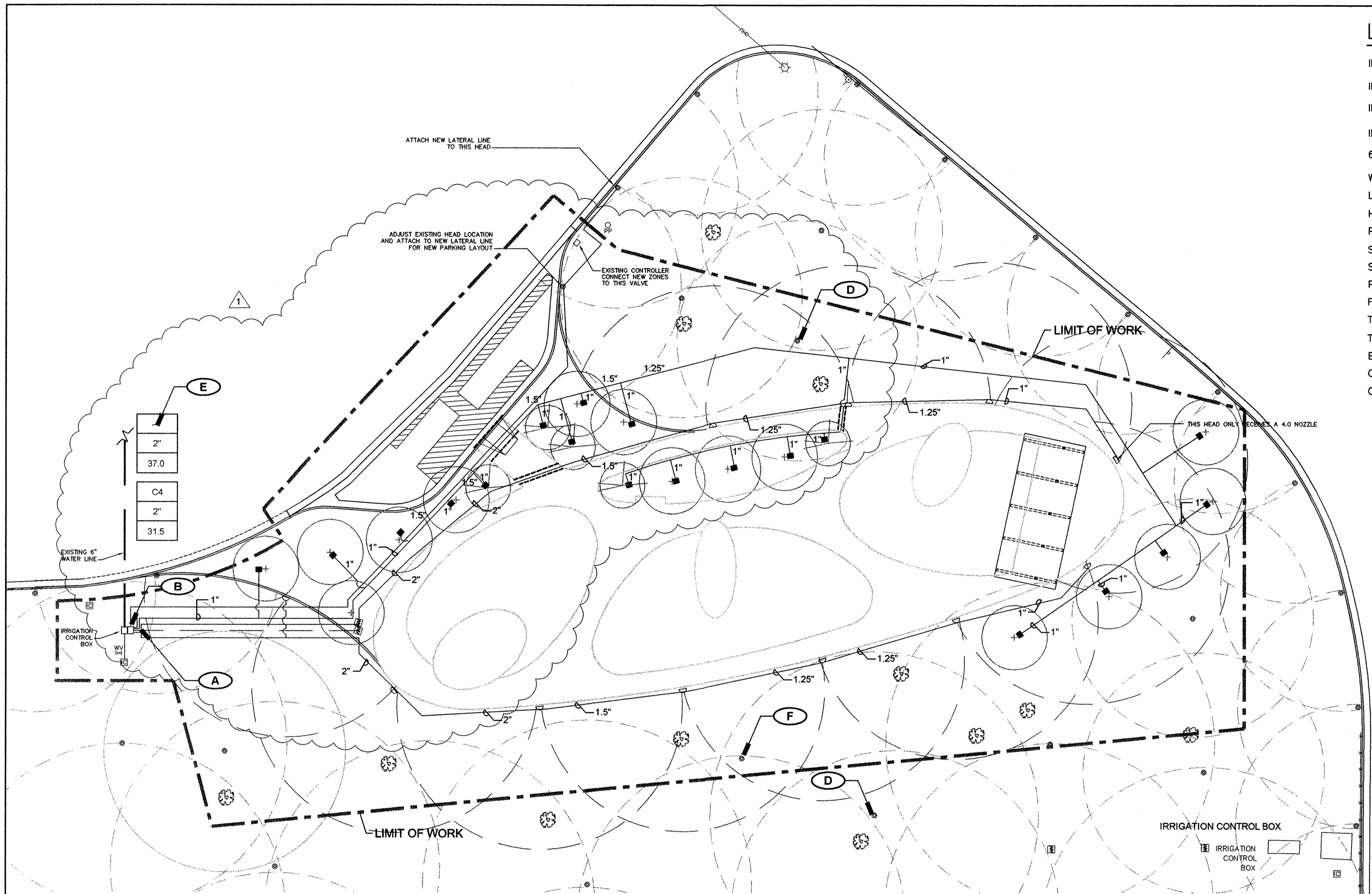


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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: AZTEC PARK RENOVATION PLANTING PLAN			
Design Review Committee	City Engineer Approval	Ms./Day/Yr.	Ms./Day/Yr.
APPROVE	APPROVE	12-13-2000	
DESIGN REVIEW COMMITTEE		03-20-2001	
		06-28-2001	
City Project No.	Zone Map No.	Sheet	Of
661291	G-20-Z	6.0	11

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	PROJECT BENCHMARK= T.M.#7-G20	DATE	FIELD NOTES	NO.		
INSPECTOR'S STAMP	DATE	STANDARD ACS BRASS TABLET STAMPED "7-G20"	DATE	BY			
INSPECTOR'S FIELD	DATE	DRILLED INTO TOP OF CONCRETE CURB LOCATED AT THE NORTHERN END OF THE INTERSECTION OF COMANCHE RD. AND MOON ST.	DATE				
VERIFICATION BY	DATE	NM CENTRAL ZONE, NAD 27, IN FEET	DATE				
CONTRACTOR'S	DATE	X= 412817.72	DATE				
RECORDED BY	DATE	Y = 1500333.79	DATE				
	DATE	ELEVATION = 5470.49 (M.S.L.D.21)	DATE				



LEGEND – EXISTING

IRRIGATION HEAD RADIUS	
IRRIGATION HEAD RADIUS –PROPOSED	
IRRIGATION HEAD	
IRRIGATION CONTROLLER	
6" WATER LINE	
WATER VALVE	
LIGHT POLE	
HYDRANT	
POWER POLE	
SIGN, TYP.	
SPOT ELEVATION	
PICNIC TABLE PAD	
FENCE	
TREE	
TREE – PROPOSED	
EXTENT OF WORK	
CONTOUR	
CURB + GUTTER TO REMAIN	

IRRIGATION GENERAL NOTES

1. LOCATIONS OF IRRIGATION LINES, VALVES, HEADS, AND ALL OTHER RELATED IRRIGATION APPURTENANCES SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC ONLY. THE EXACT LOCATION OF THE ABOVE NEED TO APPROVED BY THE LANDSCAPE ARCHITECT.
2. STAKE ALL UTILITIES, INCLUDING SEWER AND DRAINAGE PRIOR TO ANY EXCAVATION FOR IRRIGATION.
3. SIMULTANEOUS FIELD STAKING OF PLANT MATERIAL AND IRRIGATION LAYOUT IS REQUIRED FOR LANDSCAPE ARCHITECTS APPROVAL BEFORE PROCEEDING WITH THE IRRIGATION WORK.
4. THE MAINLINE ALREADY EXISTS ON SITE. THE LATERAL LINES ARE TO BE BURIED A MINIMUM OF 18" AS MEASURED FROM BOTTOM OF PAVEMENT TO TOP OF PIPE.
5. ALL IRRIGATION PIPE UNDER PAVEMENT TO BE PLACED IN A SLEEVE TWO SIZES LARGER THAN THE PIPE BEING SLEEVED, OR THE COMBINED DIAMETERS OF THE PIPES BEING SLEEVED, COORDINATE WITH CONCRETE WORK TO PLACE SLEEVES UNDER PAVEMENT.
6. RADIUS ADJUSTMENTS SHALL BE MADE ON ALL HEADS FOR OPTIMUM COVERAGE AND MINIMIZE OVERSPRAY ONTO PAVEMENT SURFACES OR WALLS.
7. IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 35–45 PSI AT THE HEADS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT SUFFICIENT PRESSURE IS AVAILABLE AT THE SOURCE FOR THE SYSTEM TO OPERATE AS DESIGNED AT THE SPECIFIED PRESSURE.
8. CONTRACTOR TO PROVIDE ELECTRICAL TO ALL NEW VALVES AND EXISTING CONTROLLER.
9. THE CONTRACTOR IS TO PROVIDE AND INSTALL IRRIGATION PIPE IN SIZES NO SMALLER THAN THE SIZES INDICATED ON THE IRRIGATION PLAN. IT IS THE INTENTION OF THESE PLANS THAT THE SIZE OF IRRIGATION PIPE WILL BE ADEQUATE TO ALLOW FOR THE FLOW OF WATER (GALLONS PER MINUTE) THROUGH EACH DISTRIBUTION HEAD CONSISTENTLY WITH THE MANUFACTURER'S INTENDED PERFORMANCE STANDARDS OF THE GIVEN HEAD. IT IS FURTHER THE INTENTION OF THESE PLANS THAT LATERAL IRRIGATION LINES WILL BE SIZED CONSISTENTLY WITH THE FOLLOWING SCHEDULE.
10. CONTRACTOR TO CONNECT NEW VALVE ZONES EXISTING CONTROLLER. VERIFY STATIONS TO CONNECT TO WITH PARKS AND RECREATION.

PIPE SIZING CHART

USE THE FOLLOWING CHART TO SIZE SCHEDULE 40 PVC LATERAL PIPES. SIZE TO BE BASED ON THE MAXIMUM FLOW THROUGH THE SECTION OF PIPE.

PIPE SIZE	FLOW RATE RANGE
1"	0 to 12 GPM
1 1/4"	13 to 21 GPM
1 1/2"	22 to 30 GPM
2"	31 to 50 GPM
2 1/2"	51 to 70 GPM

NOTE: PRIOR TO THE COMMENCEMENT OF THE WORK, THE CONTRACTOR IS TO REVIEW THE PIPE SIZES SPECIFIED PER THE PLAN AND THE PIPE SIZES BASED ON THE SCHEDULE BELOW. IN THE EVENT OF INCONSISTENCIES, THE CONTRACTOR IS TO NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY, AND INSTALL THE PIPE IN THE LARGER OF THE TWO SIZES, UNLESS AUTHORIZED BY THE LANDSCAPE ARCHITECT TO DO OTHERWISE.

VALVE KEY

C1	CONTROLLER STATION NUMBER
1"	VALVE SIZE
10.0	TOTAL GPM FOR ZONE

SYMBOLS KEY

- (A) CUT EXISTING LATERAL LINE AND CONNECT NEW LATERAL LINE FOR ZONE 4. SALVAGE EXISTING HEADS AND TURN OVER TO PARKS AND RECREATION. VERIFY OF NEED TO REVISE LATERAL LINE P/R.
- (B) ADD NEW DRIP ZONE, CONNECT TO EXISTING VALVE BOX LOCATION. INSTALL ELECTRICAL TO OPEN STATION ON EXISTING CONTROLLER.
- (D) ADJUST ARC OR MOVE HEAD SPRAY OF ROTAR SPRINKLER TO RETAIN COVERAGE AND PREVENT SPRAYING OF SAND AREAS OR CONCRETE.
- (E) CONNECT DRIP LINE IN NEXT AVAILABLE CONTROL ZONE.
- (F) REMOVE HEAD AND CAP RISER.

AS-BUILT REVISIONS SHOWN IN THIS DRAWING ARE CHANGES DIRECTED BY THE CITY OF ALBUQUERQUE PARKS DEPARTMENT. DESIGN WORKSHOP IS NOT RESPONSIBLE FOR THE ACCURACY OF DEVIATIONS FROM THE ORIGINAL APPROVED SET.

1 IRRIGATION PLAN

SCALE: 1"=20'-0"

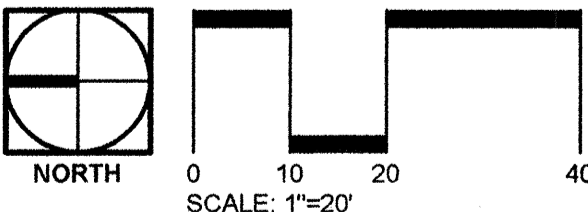
PLAN

IRRIGATION SCHEDULE

SYMBOLS	TYPE	MODEL	MANUFACTURER	DESCRIPTION	NOTES	GALLON PER MINUTE
	IMPACT ROTAR SPRINKLER	2045A-SERIES	RAINBIRD	IMPACT ROTARY SPRINKLER, 35 PSI, NOZZLE 12, 42" RADIUS	INSTALL PER COA DETAIL 2709	F H T Q 6.3 6.3 6.3 6.3
	BUBBLER	1400 SERIES	RAINBIRD	1404 @ 1 GPM FOR REDBUD TREES 1408 @ 2 GPM FOR CATALPA TREES	INSTALL PER COA DETAIL 2710	
	PLASTIC REMOTE CONTROL ZONE VALVE, BALL VALVE W/ LOCKING COVER	PEB-PRS-B SERIES W/ BALL VALVE 1730 SERIES	RAINBIRD SPEARS CARSON		INSTALL PER DETAIL 2, SHT L4.0	
	LATERAL LINE	SCHEDULE 40 PVC		BURY DEPTH 18"	SIZE AS PER PLAN	
	SLEEVING	SCHEDULE 200 PVC			SIZE TWO TIMES LARGER THAN PIPE SIZE. ONE SLEEVE PER PIPE. PROVIDE SEPARATE SLEEVE FOR WIRE BUNDLE	
	EXISTING IRRIGATION HEAD TO REMAIN					

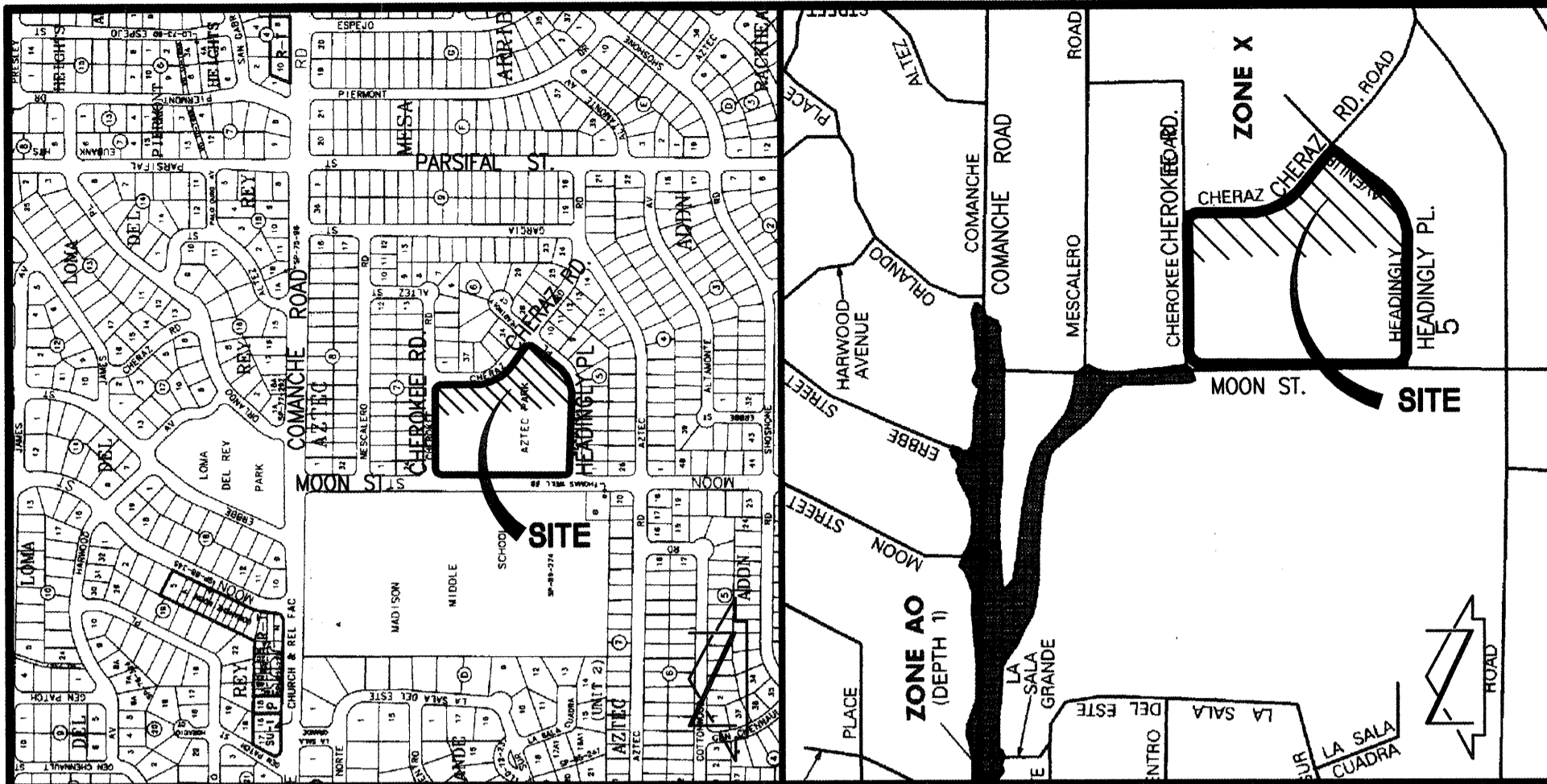
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
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Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
		12–13–2000	
		03–20–2001	
		06–28–2001	
		06–20–2003	AS BUILT
City Project No.	Zone Map No.	Sheet	Of
661291	G–20–Z	7.0	11



VICINITY MAP
SCALE: 1" = 750'±
G-20 FLOODPLAIN MAP
SCALE: 1" = 500'±
PANEL 356 OF 825

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR

TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

EROSION CONTROL MEASURES:

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.

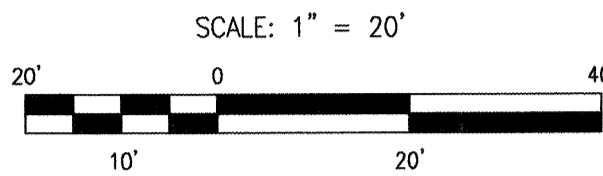
PROJECT BENCHMARK
NONE PROVIDED

T.B.M.
NONE PROVIDED

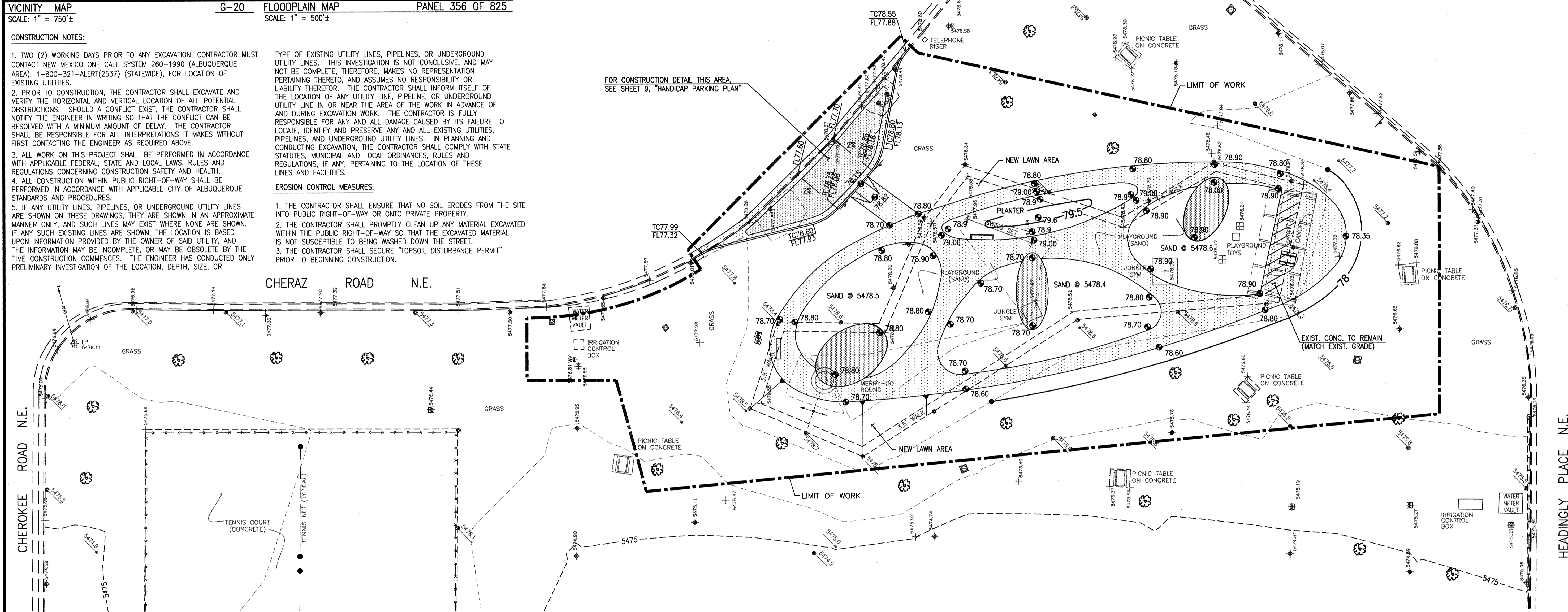
LEGAL DESCRIPTION
AZTEC PARK, AZTEC ADDITION

LEGEND

- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONCRETE
- PROPOSED RESILIENT SURFACE
- PROPOSED ASPHALTIC CONCRETE
- PROPOSED CONTOUR
- 76.50 PROPOSED SPOT ELEVATION
- PROPOSED LIMITS OF WORK



SCALE: 1" = 20'



DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE NORTHEAST HEIGHTS EAST OF MOON NE AND SOUTH OF COMANCHE NE, REPRESENTS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA. THE DRAINAGE CONCEPT WILL BE THE CONTINUED FREE DISCHARGE OF RUNOFF TO THE EXISTING CITY STREETS. FROM THIS POINT, DEVELOPED RUNOFF FLOWS WITHIN MOON NE TO ENTER THE PUBLIC STORM DRAIN WITHIN THAT PUBLIC RIGHT-OF-WAY.

THIS SUBMITTAL IS MADE IN SUPPORT OF A DRC WORK ORDER PROJECT FOR A RELATIVELY SMALL RENOVATION OF THIS EXISTING PARK SITE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THE SITE IS LOCATED AT THE SOUTHEAST CORNER OF THE SITE AT THE NORTHWEST CORNER OF THE INTERSECTION OF CHERAZ NE HEADINGLY NE. AS SHOWN BY PANEL 378 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, SEPTEMBER 20, 1996, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE (ZONE A). A DESIGNATED AO (DEPTH 1) ZONE IS IDENTIFIED WITHIN MOON STREET NE DOWNSTREAM FROM THE SITE. THE FLOOD PLAIN AS MAPPED LEAVES THE PUBLIC RIGHT-OF-WAY AT MESCALERO ROAD NE AND CROSSES THE MADISON MIDDLE SCHOOL SITE TO EVENTUALLY ENTER COMANCHE ROAD NE, ANOTHER AO (DEPTH 1) ZONE. THE FLOOD PLAIN ACROSS THE APS SITE WAS EFFECTIVELY REMOVED IN 1993 BY THE CONSTRUCTION OF THE MOON STREET NE STORM DRAIN (CITY PROJECT NO. 455190). THE MOON STREET STORM DRAIN CONFINED THE FLOODING TO PUBLIC RIGHT-OF-WAY, THEREBY ALLEVIATING A DOWNSTREAM FLOOD HAZARD. THIS PROJECT DOES NOT PROPOSE TO SIGNIFICANTLY ALTER OR ADVERSELY AFFECT THE EXISTING

CONDITIONS DOWNSTREAM. AS STATED ABOVE, THIS PROJECT INVOLVES ONLY A SMALL PORTION OF THE EXISTING PARK SITE. THE PROJECT CONSISTS OF THE RENOVATION OF AN EXISTING SAND PLAY AREA WITH SIDEWALK AND PARKING CONSTRUCTION TO ENHANCE ACCESSIBILITY.

III. BACKGROUND DOCUMENTS

REVIEW OF HYDROLOGY DEVELOPMENT DIVISION RECORDS INDICATES NO PREVIOUSLY SUBMITTED AND/OR APPROVED DRAINAGE SUBMITTALS FOR THIS SITE. CITY PROJECT NO. 455190 WAS REVIEWED AND REFERENCED IN THE PREPARATION OF THIS SUBMITTAL AS DETAILED IN THE PRECEDING SECTION.

IV. EXISTING CONDITIONS

AT PRESENT, THE SITE IS ALREADY DEVELOPED AS A CITY PARK. EXISTING CONDITIONS ARE ILLUSTRATED BY THE GRADING PLAN. RUNOFF GENERATED BY THIS PORTION OF THE PARK DRAINS FROM EAST TO WEST ACROSS EXISTING TURF TO DISCHARGE VIA SHEET FLOW INTO MOON STREET NE. FROM THIS POINT, RUNOFF FLOWS NORTH TO ENTER THE MOON STREET STORM DRAIN. ONCE ENTERING THE STORM DRAIN, RUNOFF FLOWS NORTH TO BE INTERCEPTED BY THE EXISTING PUBLIC FACILITIES WITHIN COMANCHE NE, THE OUTFALL FOR THIS SITE.

V. DEVELOPED CONDITIONS

THE PROPOSED CONSTRUCTION CONSISTS OF THE PAVING OF TWO HANDICAP PARKING SPACES ALONG CHERAZ NE, THE RENOVATION OF THE EXISTING SAND PLAY AREAS, THE CONSTRUCTION OF NEW SIDEWALK FOR ACCESSIBILITY, AND

REGRADING OF A RELATIVELY SMALL PORTION OF THE SITE. THE DEVELOPED RUNOFF GENERATED BY THE PROPOSED IMPROVEMENTS WILL CONTINUE TO DISCHARGE FROM THE SITE TO THE EXISTING DOWNSTREAM STREET AND STORM DRAINAGE NETWORK DESCRIBED ABOVE IN THE PRECEDING SECTIONS. THE PROPOSED SITE WORK WILL NOT SIGNIFICANTLY ALTER THE HYDROLOGY OF THE SITE NOR WILL IT HAVE AN ADVERSE IMPACT ON EXISTING DOWNSTREAM CONDITIONS. THE RUNOFF GENERATED BY THE NEW PARKING SPACES WILL BE DISCHARGED DIRECTLY TO THE ADJACENT PAVED STREETS. THE PLAY AREA RENOVATIONS WILL CONTINUE TO SHEET DRAIN ACROSS EXISTING TURF AREAS BEFORE REACHING MOON STREET NE. THE DISCHARGE ACROSS EXISTING TURF AREAS WILL SERVE TO MITIGATE THE EFFECTS OF DEVELOPMENT.

VI. GRADING PLAN

THE GRADING PLAN SHOWS 1.) EXISTING GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS AS DEPICTED BY TOPOGRAPHIC SURVEY PROVIDED BY THE CITY, 2.) PROPOSED GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS, 3.) THE LIMIT AND CHARACTER OF THE EXISTING IMPROVEMENTS AS DEPICTED ON THE ABOVE REFERENCED SURVEY, 4.) THE LIMIT AND CHARACTER OF THE PROPOSED IMPROVEMENTS, AND 5.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. AS SHOWN BY THIS PLAN, THE SITE IS ALREADY DEVELOPED AND THE PROPOSED IMPROVEMENTS AFFECT ONLY A SMALL PORTION OF THE SITE. THIS PLAN FURTHER ILLUSTRATES THE DRAINAGE PATTERNS DESCRIBED IN THE SECTION ABOVE.

VII. CALCULATIONS

THE CALCULATIONS APPEARING HEREON ANALYZE BOTH THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY, 1993, HAS BEEN USED TO QUANTIFY THE CHANGES IN PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. AS SHOWN BY THESE CALCULATIONS, THERE WILL BE A MINOR INCREASE IN THE PEAK DISCHARGE AND RUNOFF VOLUME ASSOCIATED WITH THE PROPOSED CONSTRUCTION.

VIII. CONCLUSION

THE CONTINUED FREE DISCHARGE OF RUNOFF FROM THIS SITE TO MOON STREET NE IS APPROPRIATE DUE TO FOLLOWING FACTORS:
A. MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA
B. NEGLIGIBLE INCREASE IN PEAK DISCHARGE GENERATED BY THE SITE
C. NEGLIGIBLE INCREASE IN DEVELOPED RUNOFF VOLUME
D. PROXIMITY TO DOWNSTREAM FACILITIES AND APPARENT DOWNSTREAM CAPACITY
E. NO ADVERSE IMPACT ON ADJACENT OR DOWNSTREAM FLOOD ZONES

ALL ONSITE IMPROVEMENTS ARE OWNED, OPERATED AND MAINTAINED BY THE CITY PARKS AND GENERAL SERVICES DEPARTMENT. THE DOWNSTREAM STREETS AND STORM DRAINAGE SYSTEMS ARE OWNED, OPERATED AND MAINTAINED BY THE CITY PUBLIC WORKS DEPARTMENT.

HYDROLOGIC COMPARISON

SURFACE TYPE	LAND TREATMENT	A R E A S			E	ΔV_{100}	Q_p	ΔQ_{100}
		EXISTING	PROPOSED	Δ				
SAND	A	9,400	5,700	<3700>	0.66	-200	1.87	-0.01
TURF	B	28,800	25,850	<2950>	0.92	-230	2.60	-0.01
IMPERVIOUS	D	2,100	8,750	+6650	2.36	+1310	5.02	+0.15
TOTALS		40,300	40,300			+870CF		+0.13CFS

ZONE = 3

$$\Delta V_{100} = \Delta V_{100} = (\Delta A_{A E} + \Delta A_{B E} + \Delta A_{D E}) \div 12$$

$$\Delta Q_{100} = \Delta Q_p = (\Delta A_{A Q} + \Delta A_{B Q} + \Delta A_{D Q}) \div 43560$$

FOR INFORMATION ONLY

JMA

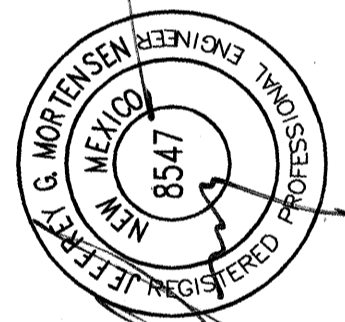
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JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (505) 345-4250
FAX: 505 345-4254 Email: jma@jma-wcp.com

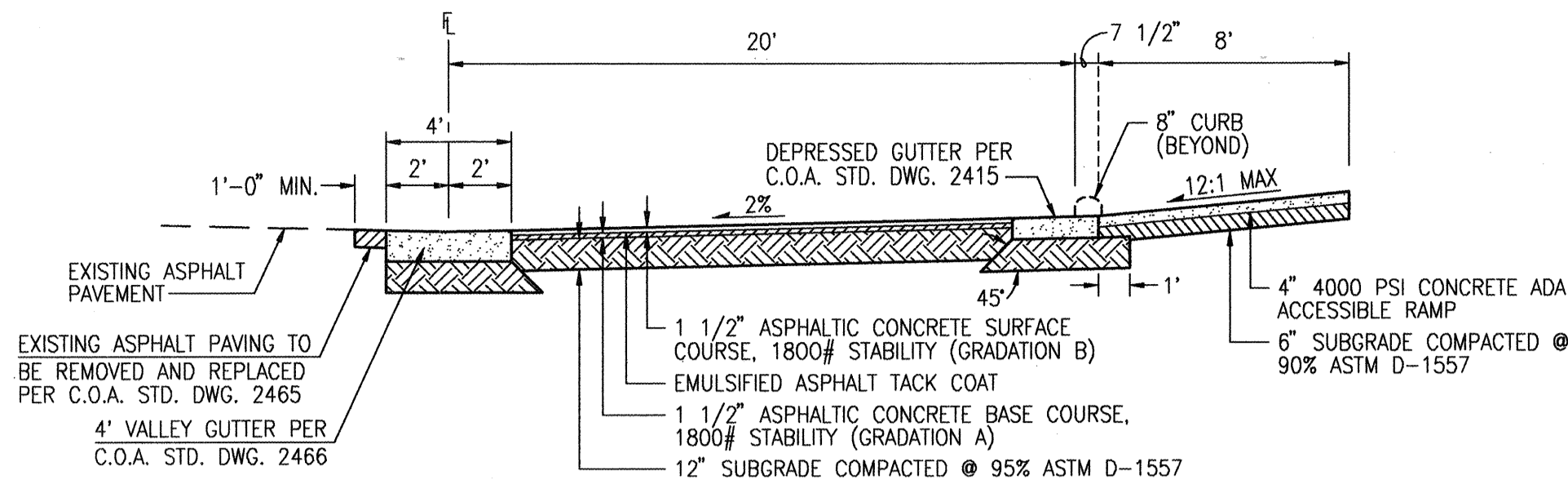
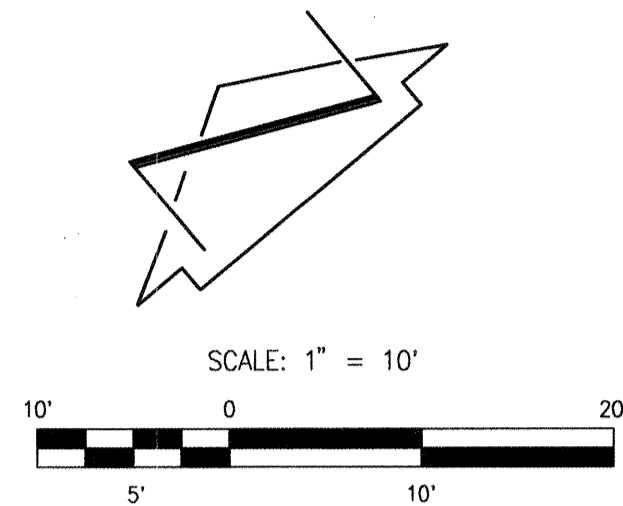
CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: AZTEC PARK RENOVATION
GRADING AND DRAINAGE PLAN

Design Review Committee APPROVED JUL 20 2001 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED JUL 20 2001 CITY ENGINEER	Last Design Update	Ms./Dm./Tr.	Ms./Dm./Tr.
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ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
		NO.	DATE	BY	CONTRACTOR	DATE	RECORDED BY	
REMARKS		NO.		DATE	CONTRACTOR	DATE	RECORDED BY	
Revisions		NO.						
DESIGN		NO.		DATE	CONTRACTOR	DATE	RECORDED BY	
DESIGN		NO.						
DESIGNED BY		NO.		DATE	CONTRACTOR	DATE	RECORDED BY	
DRAWN BY		NO.						
CHECKED BY		NO.		DATE	CONTRACTOR	DATE	RECORDED BY	
CHECKED BY		NO.						

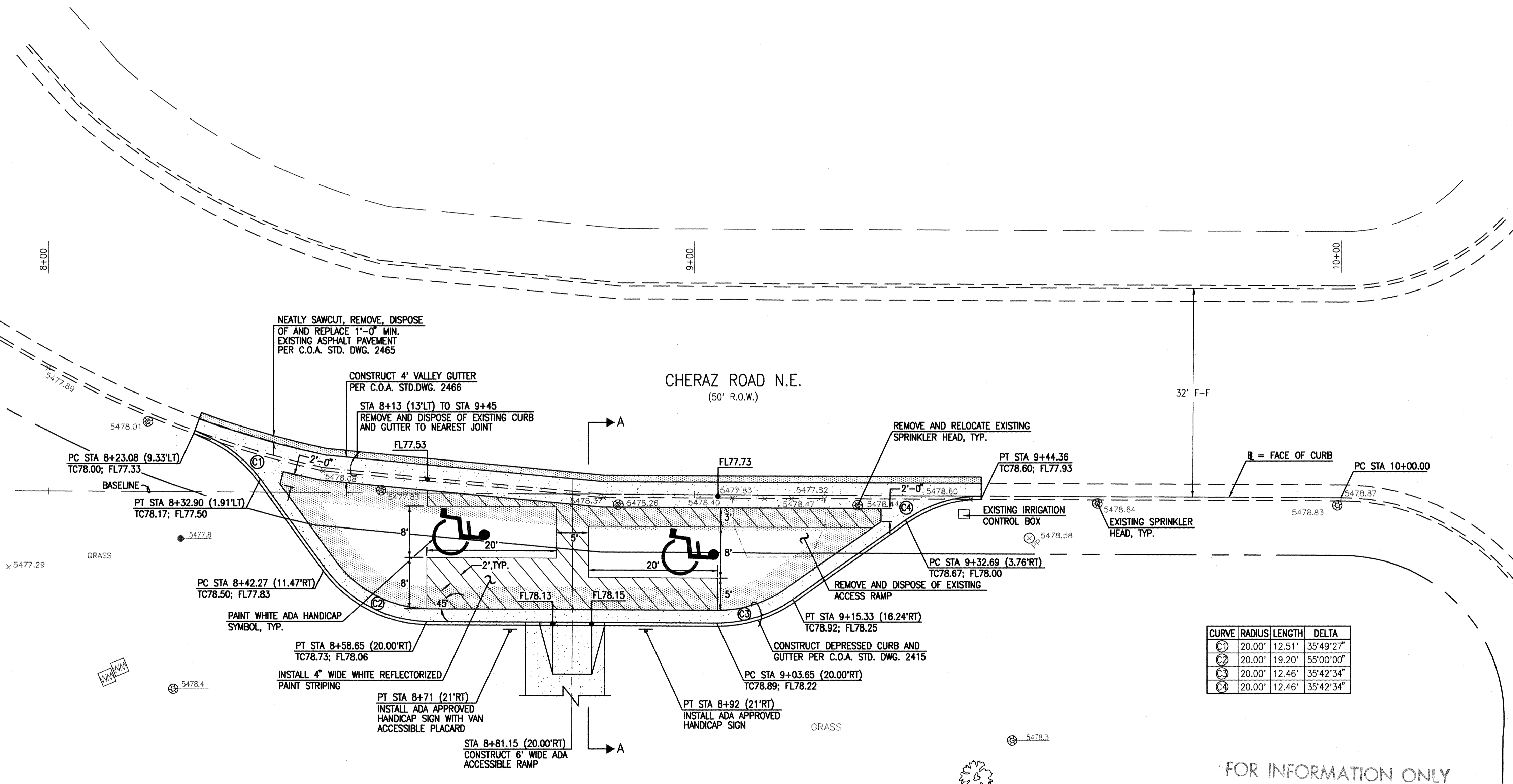
04-06-2001



SECTION A-A
SCALE: 1" = 5'

STREET PAVING NOTES:

1. STATIONING IS BASED UPON FACE OF CURB UNLESS OTHERWISE NOTED.
2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
4. ALL CURB AND GUTTER SHOWN HEREON SHALL BE DEPRESSED CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
5. STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.



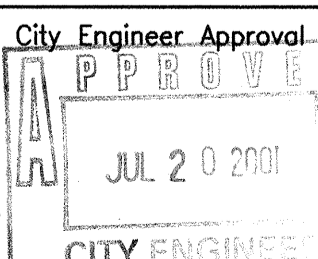
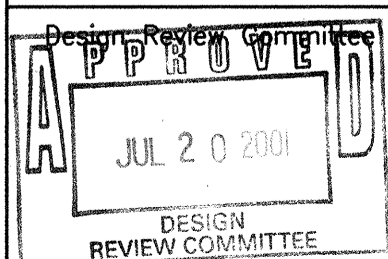
FOR INFORMATION ONLY

CURVE	RADIUS	LENGTH	DELTA
1	20.00'	12.51'	35°49'27"
2	20.00'	19.20'	55°00'00"
3	20.00'	12.46'	35°42'34"
4	20.00'	12.46'	35°42'34"

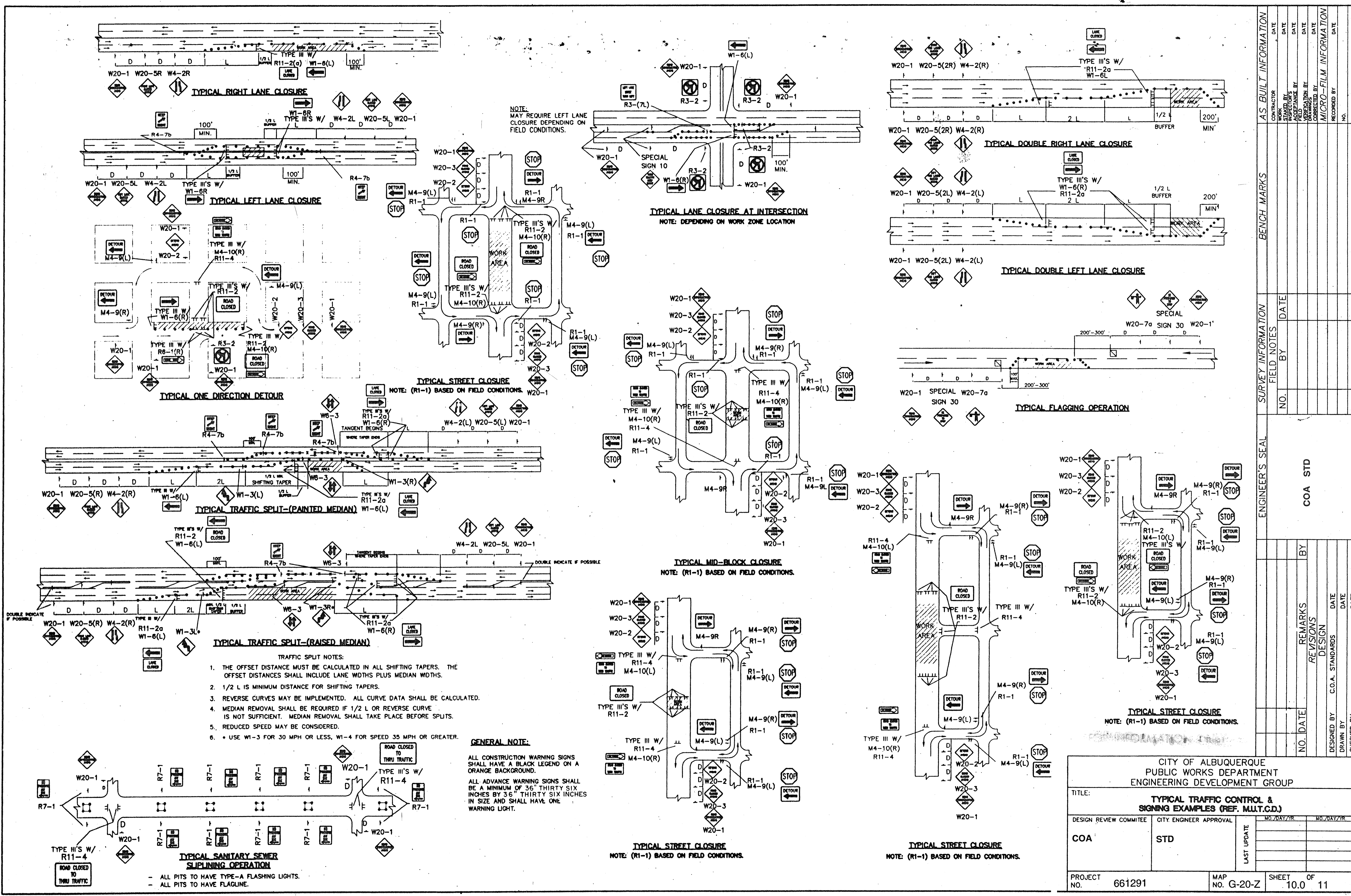
Jma
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JEFF MORTENSEN & ASSOCIATES, INC.
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CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN & DEVELOPMENT DIVISION

TITLE: AZTEC PARK RENOVATION
HANDICAP PARKING PLAN



Last Design Update



- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. • USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. MUT.C.D.)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. / DAY / YR.	
COA	STD	LAST UPDATE	
PROJECT NO. 661291	MAP NO. G-20-Z	SHEET 10.0 OF 11	

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

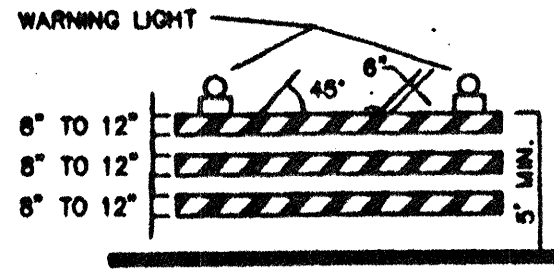
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

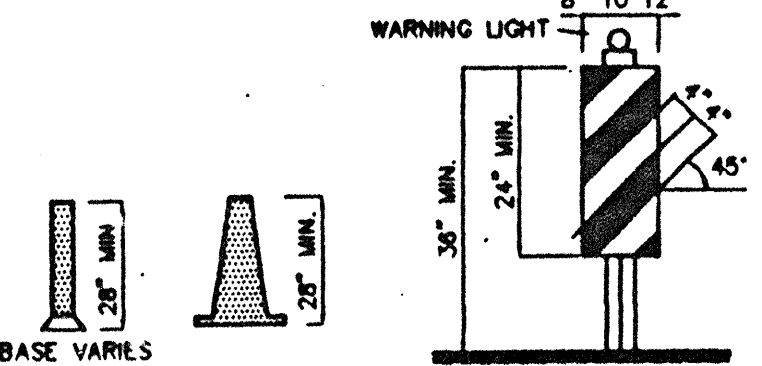
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

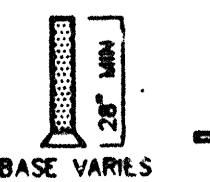
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



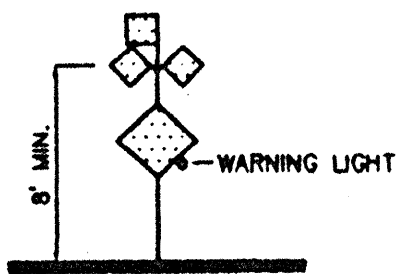
TYPE II BARRICADE



VERTICAL PANEL

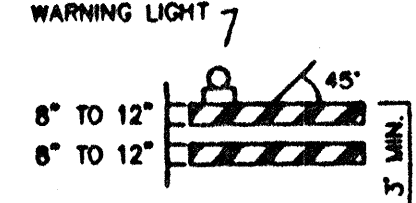


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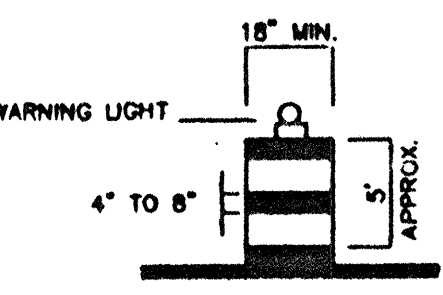


HIGH LEVEL WARNING DEVICE

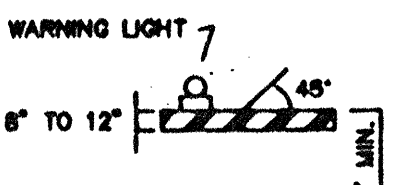
- LEGEND**
- WORK AREA
 - BARRICADE - TYPE I, TYPE II, OR BARREL
 - BARRICADE - TYPE III
 - VERTICAL PANEL
 - WARNING SIGN
 - DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
 - FLAGMAN POSITION
 - SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
 - TAPER LENGTH - SEE CHART BELOW
 - THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



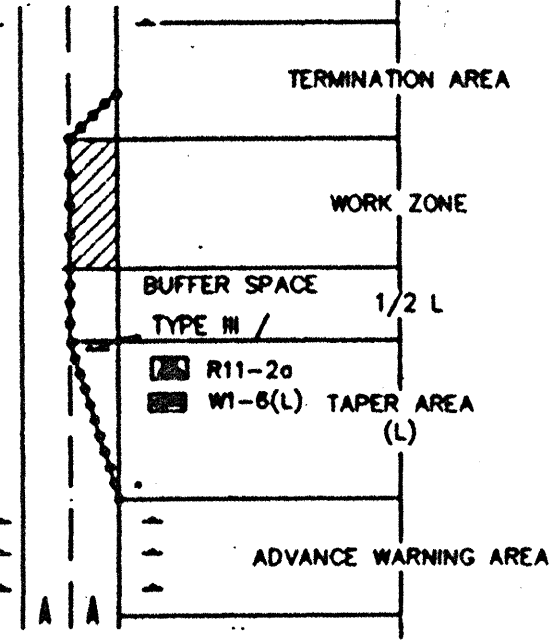
TYPE I BARRICADE



BARREL



TYPE I BARRICADE



TRAFFIC CONTROL ELEMENTS

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		BEFORE TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET	
	BEFORE SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

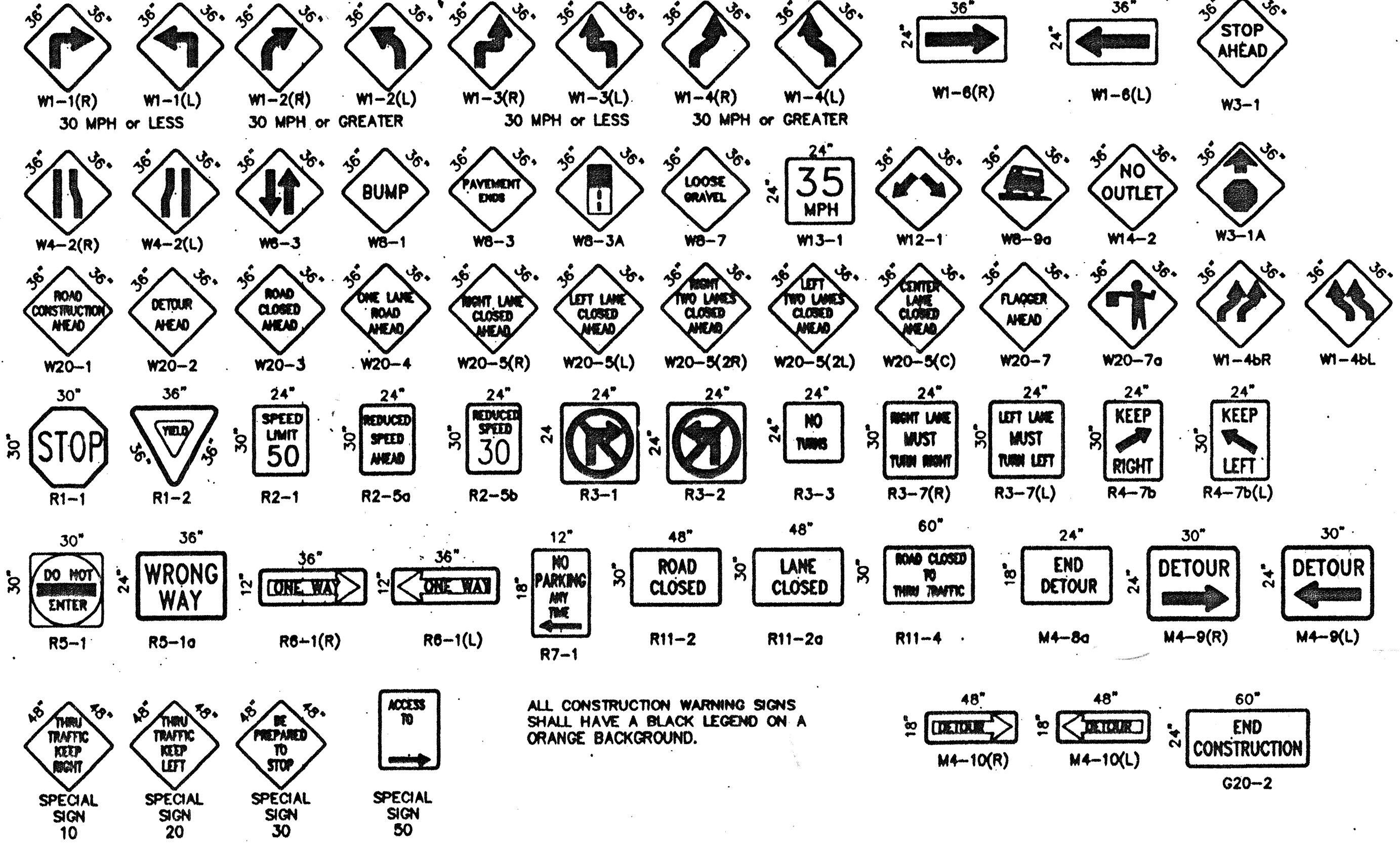
TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L =
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH	

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO. / DAY / YR.	NO. / DAY / YR.
COA	STD	LAST UPDATE	

PROJECT NO. 661291 MAP NO. G-20-Z SHEET 11.0 OF 11