

SCANNED BY
PLANNING

LANDSCAPE CONSTRUCTION PLANS
FOR
PARK NO. 1 AT VENTANA RANCH WEST
CITY DEDICATED PARK

VENTANA RANCH HOA MAINTAINED PARK
WATER METER ADDRESS: 10000 COYOTE CANYON PL. NW

CLASS 1 CONSTRUCTION (NOT FOR BID)

CITY OF ALBUQUERQUE, NEW MEXICO
DEPT. OF MUNICIPAL DEVELOPMENT— MANAGING DEPT.
PARKS AND RECREATION DEPT. —OWNER

4.25 ACRES TOTAL/2.47 ACRES TURF

RECORD DRAWINGS

I, PATRICK J. CONLEY of the firm of Smith Engineering Company, a Registered Professional Engineer in the State of New Mexico, do hereby state that to the best of my knowledge and belief, the infrastructure for this project as shown on the plans has been constructed in general accordance with the project plans and in general accordance with the City of Albuquerque Standard Specifications for Public Works Construction (including all updates), and that the general intent of the plans has been met except as noted on the as-built construction drawings. The infrastructure construction has been observed by a qualified person from Smith Engineering Company and this statement covers infrastructure installation that was observed while a representative from Smith Engineering was on site. This statement is based on site observations by Smith Engineering Company personnel and on as-built information provided to Smith Engineering Company. Russ Hugg (Surveyor's name), NMPS number 9750 (PS#).

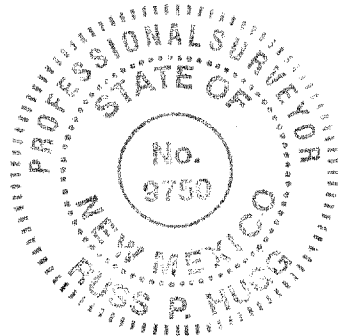
INDEX TO DRAWINGS

SHEET NUMBER	DESCRIPTION
1.	TITLE SHEET
2.	GRADING PLAN
3.	CONSTRUCTION AND LAYOUT PLAN
4.	CONSTRUCTION AND LAYOUT PLAN/DETAILS
5.	CONSTRUCTION AND LAYOUT PLAN/DETAILS
6.	PLANTING PLAN
7.	IRRIGATION PLAN

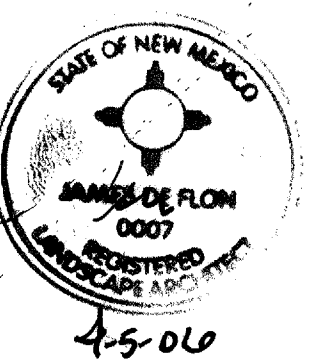
SURVEYORS CERTIFICATION

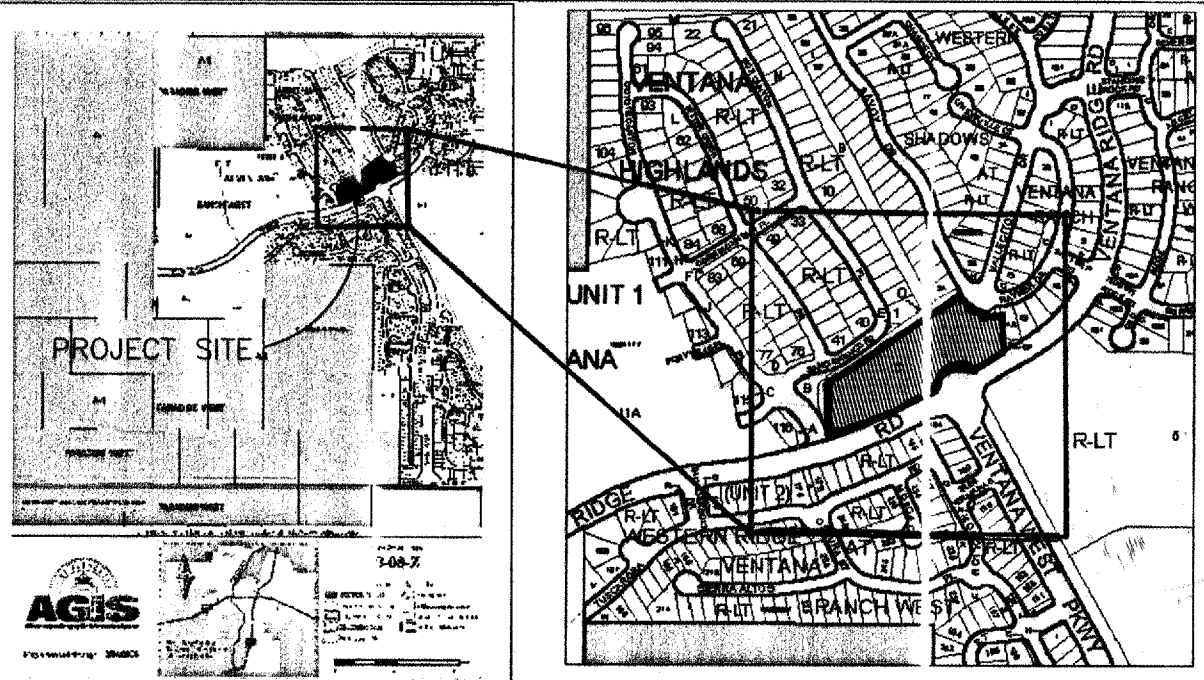
I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that the as-built information shown hereon is the result of an actual field survey performed by me or under my direct supervision and that the same is true and correct to the best of my knowledge and belief;

Russ P. Hugg
NMPS No. 9750
4.23 . 2007



THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 Edith Blvd. N.E.
ALBUQUERQUE, NEW MEXICO 87103
(505)898-9690

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
LANDSCAPE ARCHITECTS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<u>[Signature]</u>	5-8-06	APPROVED FOR CONSTRUCTION		
		Transportation	<u>[Signature]</u>	4/17/06			
		Water/Wastewater	<u>[Signature]</u>	4/24/06			
		Hydrology	<u>[Signature]</u>	4/17/06			
		Parks	<u>[Signature]</u>	4/17/06			
		Constr. Coord.	<u>[Signature]</u>	4-17-06			
		NMUI	<u>[Signature]</u>	4-17-06			
		CITY PROJECT NO.	778881	SHEET		1 of 7	



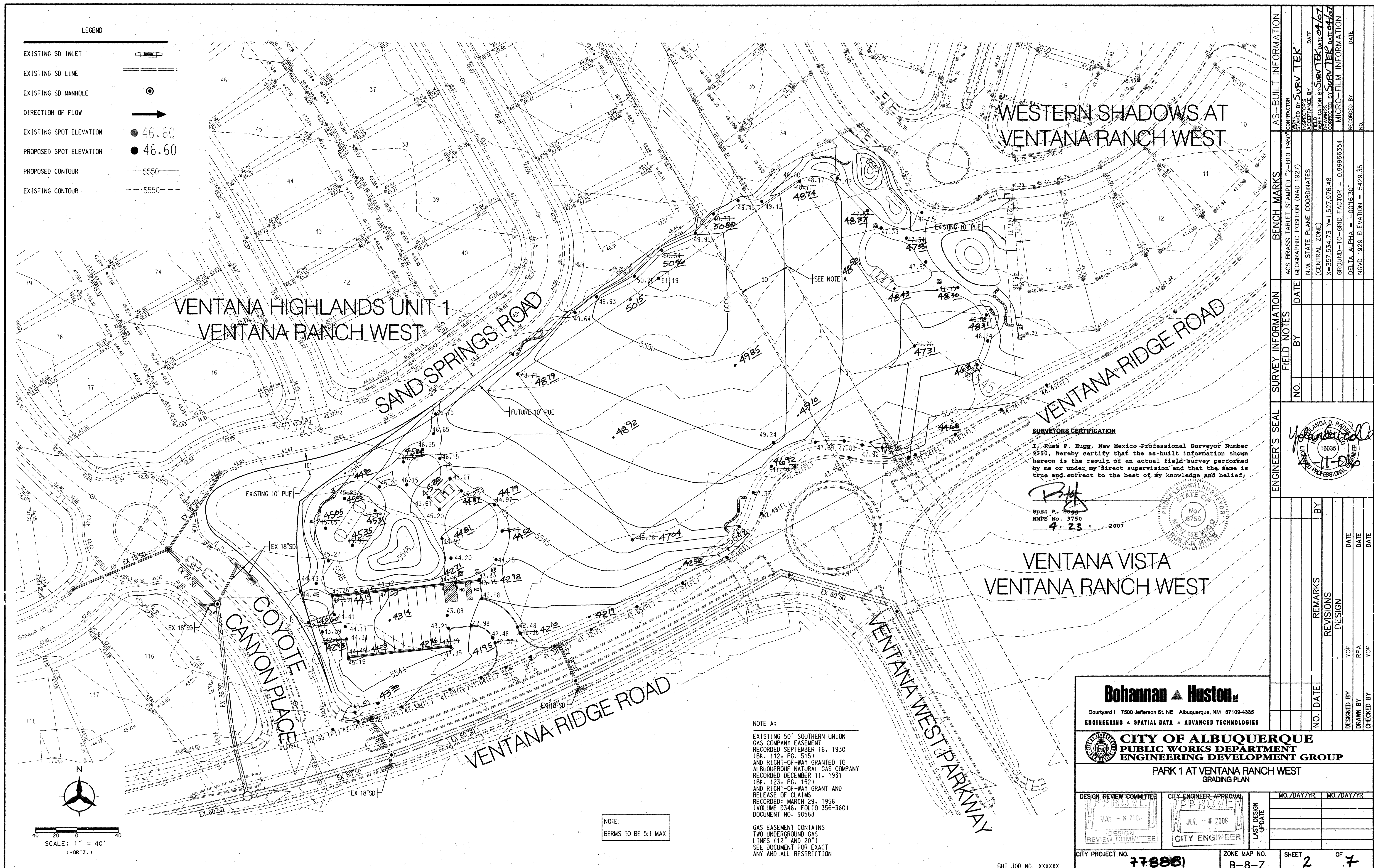
VICINITY MAP ZONE ATLAS B-8-Z

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER TAB SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, UPDATE #7.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADING ENGINEER (924-3400) PRIOR TO OCCUPANCY AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. 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 SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. THE WATER SYSTEMS DIVISION (857-3200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF THE STANDARD SPECIFICATIONS.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED- ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

THE FOLLOWING NOTES 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 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 DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTER OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.



LEGEND

surfaces

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 32
- 33
- 34
- SOD LAWN (SEE SECTION 1010 OF COA SPEC.) 2.5 ACRES
- SANTA FE BROWN C.FINES 4" DEEP W/ FF
- 1" SANTA FE BROWN GRAVEL 4" DEEP W/ FF
- 6" x 6" CONCRETE MOWCURB (SEE CITY STANDARD DWG 2726) 3000PSI
- MEANDERING 6' WIDE X 4" CONCRETE (COA SPEC. # 2430) FLUSH CONNECTION TO HC RAMPS VARIOUS RADII'S
- MEANDERING 10' WIDE X 4" CONCRETE (COA SPEC. # 2720) ACCESS FOR MOWER TO SOD AREA
- 18" TURNDOWN (COA DETAIL 2728) 18" MINIMUM - COMPENSATE FOR GRADES
- 18" HIGH BASALT BOULDER SEAT BENCH CONVERSATION AREAS (SEE DETAIL ON SHEET 5)
- ENGINEERED WOODFIBER 12" DEEP (AFTER COMPACTION) 100% ADA ACCESSIBLE (4" DEPTH UNDER ANIMAL SCULPTURES)- **BASIN OF PLAY AREA TO HAVE 0 GRADE**
- STAMPED AND STAINED BUTTERFLY PATTERN IN CONCRETE (1"x1" MAX)
- CONCRETE RAMP INTO BARK PLAY AREA. 5'X5' LANDING, 12:1 DOWN

equipment

- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- REMOVABLE BOLLARD- WITH MIN. 3' ACCESS AROUND BOLLARD (SEE COA SPEC # 2250) (8) MINIMUM 3' CLEARANCE (CENTER BOLLARD IS REMOVABLE)
- ICON BARREL ROOF SHADE STRUCTURE (28X16") SURREY BEIGE POWDER COATED FRAME AND TUDOR BROWN ROOF
- ICON BARREL ROOF SHADE STRUCTURE (20X12") SURREY BEIGE POWDER COATED FRAME AND TUDOR BROWN ROOF
- TABLE (3) (1 HC Accessible) MODEL NO. APT/CW-6PC (2) APT/CW-8PC (1) SURFACE MOUNT :R.J. THOMAS MFG. CO. CEDAR COLORED REC.PLASTIC AND BROWN POWDER COAT
- HC ACCESSIBLE BENCH (8) WITH ARM RESTS ON SIDES AND MIDDLE- MODEL NO. PWRB/CW-6PC SURFACE MOUNT :R.J. THOMAS MFG. CO. CEDAR COLORED REC. PLASTIC AND BROWN POWDER COAT
- PLAY STRUCTURE BY PLAYWORLD SYSTEMS MODEL NO. 500-0506 5-12 YEARS (SEE DETAIL SHEET 5) SAND/CHESTNUT/FOREST GREEN/TANGERINE
- PLAY STRUCTURE BY PLAYWORLD SYSTEMS MODEL NO. 350-0201 2-5 YEARS (SEE DETAIL SHEET 5) BEIGE/CHESTNUT/FOREST GREEN/TANGERINE
- ROCKBLOCKS BY PLAYWORLD SYSTEMS MODEL NO. RB-315
- SOFTFORM ANIMALS- BY ROCKBLOCKS AND BOULDERS- (MODEL NO. CAT) (NO FALL ZONE) GREY GRANITE COLOR
- SOFTFORM ANIMALS- BY ROCKBLOCKS AND BOULDERS- (MODEL NO.DRAGON) (NO FALL ZONE) BROWN GRANITE COLOR

BASKETBALL EQUIPMENT (1) RW ATHLETIC MFG./CO (MODEL NO. 1534) BACK-TO-BACK SINGLE POST. POWDER COATED HUNTER GREEN

MUTTMITT (4) OUTDOOR PET POLLUTION GLOVE DISPENSER (MODEL NO. JJB009) JJB SOLUTIONS

TRASH RECEPTICAL (8) McCLINTOCK R30 MODEL

BIKE RACK (2) MADRAX-CYC BICRAC 4 BIKE CAPACITY. SURFACE MOUNTED (MODEL NO. CYB-4-SF-P) POWDER COATED FOREST GREEN

site

EXISTING SIDEWALK/TRAIL/HC RAMPS PER INFRASTRUCTURE OF SUBDIVISION

STREETSCAPING PER SUBDIVISION LANDSCAPING PLANS- ROW TO CURB

EXISTING BERM (1' CONTOURS) GRADES SHALL NOT EXCEED 5:1

REMOVE EXISTING CURB AND GUTTER /SIDEWALK TO INSTALL NEW CURB AND GUTTER/PRIVATE ENTRANCE (CITY STD. DETAIL #2420) PROVIDE 3'@2% CS. FOR ADA ACCESS ACROSS DRIVEPAD. PROVIDE UNIDIRECTIONAL RAMP WITH TRUNCATED DOMES AT LANDING (CITY STD. DETAIL #2426)

50' PNM GAS EASEMENT (NO PERMANENT STRUCTURES OR SHADE TREES SHALL BE PLANTED IN THIS AREA) CONTACT ONE-CALL-PHONE # ON COVER SHEET)

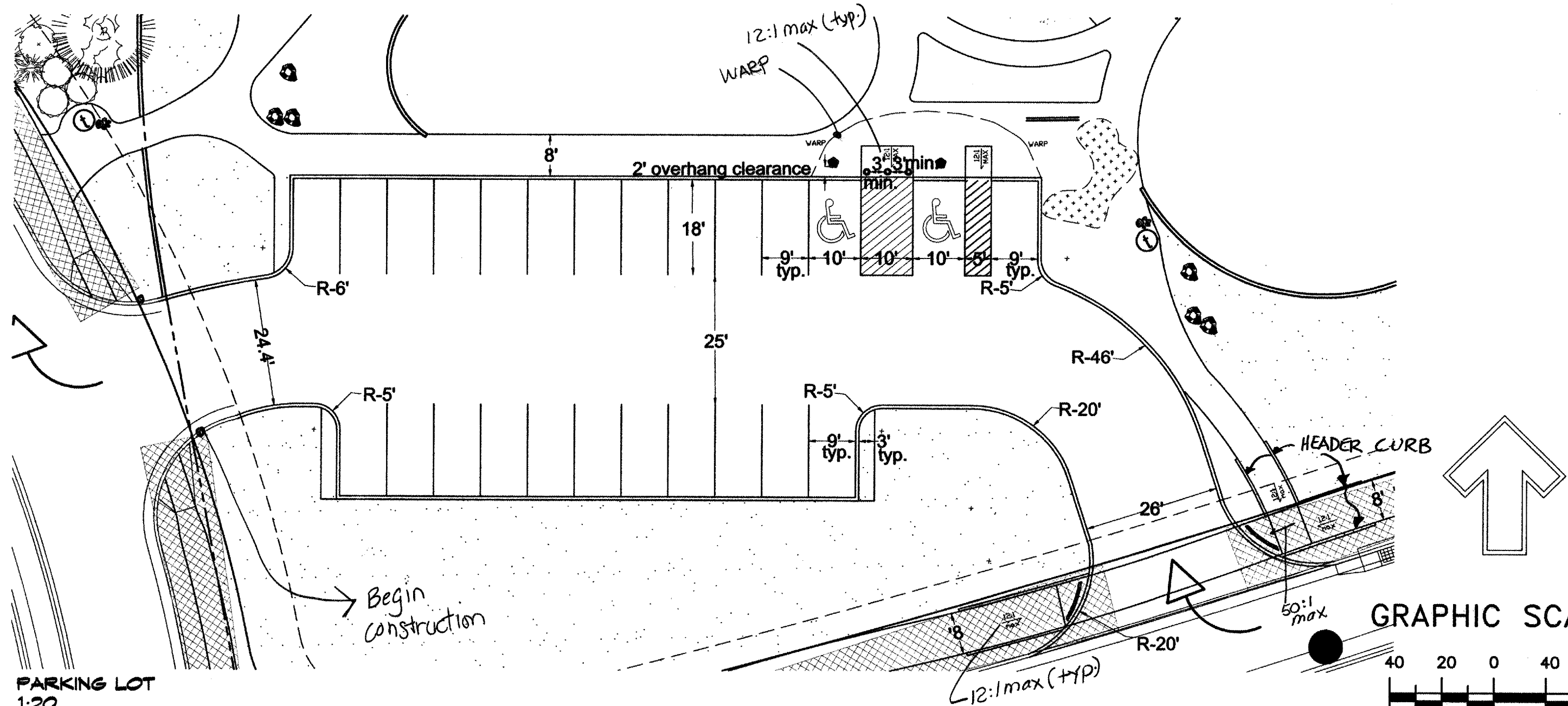
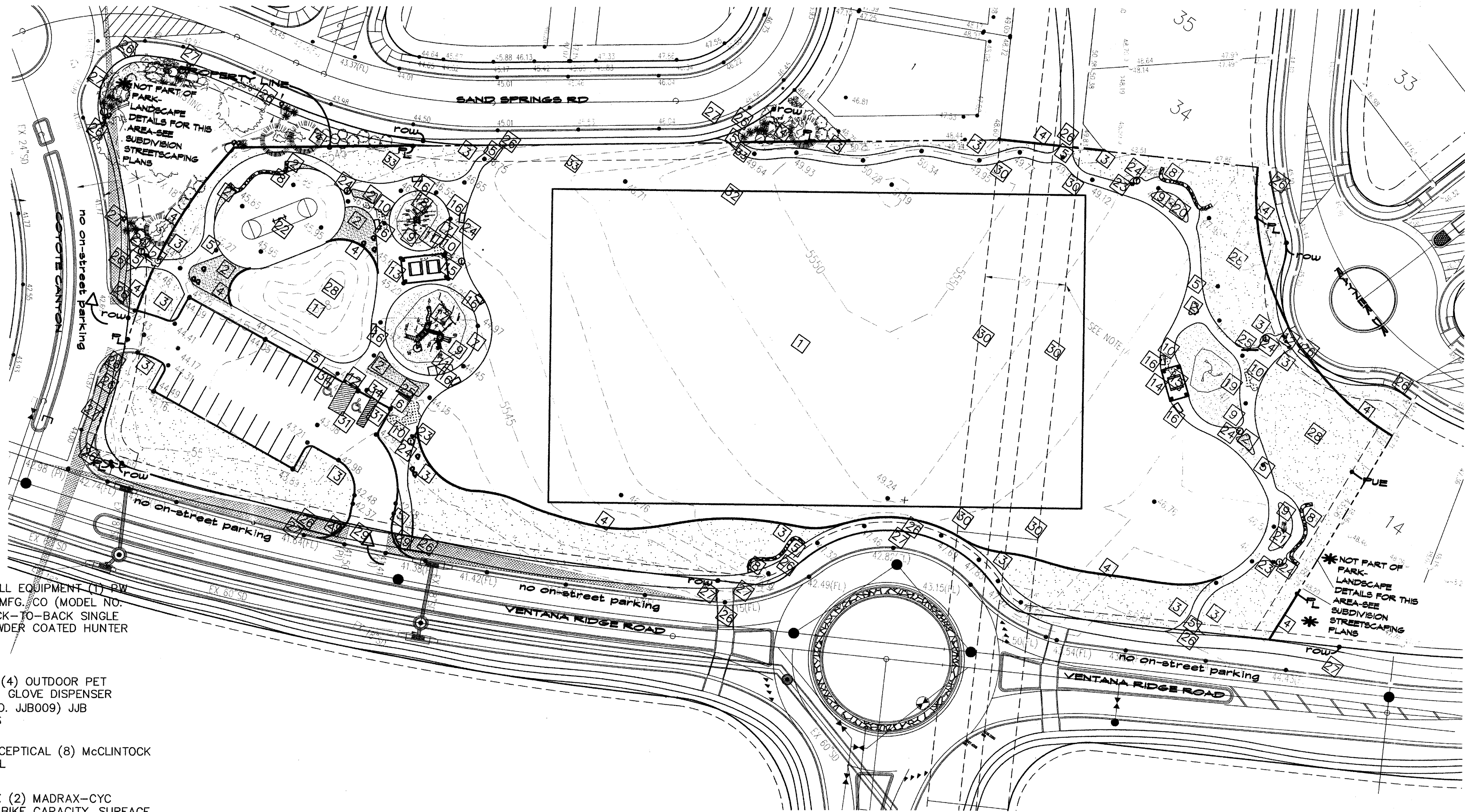
KEYWAY 4" SOLID WHITE STRIPING 45° AND 4° OC

OPEN TURF AREA 195'X330'

FUTURE PUE TO BE CONVEYED

signage

HANDICAP PARKING SIGN (2)



THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: PARK NO. 1 AT VENTANA RANCH WEST
CONSTRUCTION AND LAYOUT PLAN

DESIGN REVIEW COMMITTEE
APPROVE
MAY - 8 2006
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVE
JUL - 6 2006
CITY ENGINEER

CITY PROJECT NO. 778881

ZONE MAP NO. 0-0-0

SHEET 3 OF 7

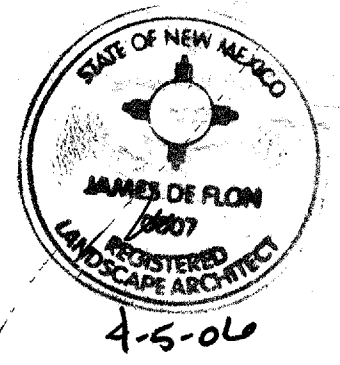
BENCH MARKS

AS BUILT INFORMATION			
CONTRACTOR	WORK	INSPECTOR	DATE
ALBUQUERQUE TO REACH STATION FROM INT. OF COOPS	STAKED BY	INSPECTOR'S FIELD	DATE
AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), 60 N.	ON COOPS 0.1 MI. TO FLORA VISTA AND 60 WEST ON	FLORA VISTA 0.5 MI. TO CONDESHIRE, THEN 60 S. ON	DATE
CONDESHIRE 0.4 MI. TO A POINT APPROX. 50 FT. W. OF	THE STATION. STATION MARK IS AN ACS 3" ALUM CAP	STAMPED :2-PIG. 1987" RIVETED TO A PIPE PROJECTED	DATE
0.25 FT ABOVE THE GROUND. X=35841.13, Y=1464349.24	(NAD 27) Z=4991 (NGVD 29).		

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL



--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

DESIGNED BY	DRAWN BY	CHECKED BY
CJ	CJ	JD
DATE	DATE	DATE

LEGEND

surfaces

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 32
- 33
- 34
- SOD LAWN (SEE SECTION 1010 OF COA SPEC.) 2.5 ACRES
- SANTA FE BROWN C.FINES 4" DEEP W/ FF
- 1" SANTA FE BROWN GRAVEL 4" DEEP W/ FF
- 6" x 6" CONCRETE MOWCURB (SEE CITY STANDARD DWG 2726) 3000PSI
- MEANDERING 6' WIDE X 4" CONCRETE (COA SPEC. # 2430) FLUSH CONNECTION TO HC RAMPS VARIOUS RADI'S
- MEANDERING 10' WIDE X 4" CONCRETE (COA SPEC. # 2720) ACCESS FOR MOWER TO SOD AREA
- 18" TURNDOWN (COA DETAIL 2728) 18" MINIMUM - COMPENSATE FOR GRADES
- 18" HIGH BASALT BOULDER SEAT BENCH CONVERSATION AREAS (SEE DETAIL ON SHEET 5)
- ENGINEERED WOODFIBER 12" DEEP (AFTER COMPACTION) 100% ADA ACCESSIBLE (4" DEPTH UNDER ANIMAL SCULPTURES) BASIN OF PLAY AREA TO HAVE 0 GRADE
- STAMPED AND STAINED BUTTERFLY PATTERN IN CONCRETE (1/4"x1/4" MAX)
- CONCRETE RAMP INTO BARK PLAY AREA. 5'X5' LANDING, 12:1 DOWN

equipment

- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 32
- 33
- 34
- REMOVABLE BOLLARD- WITH MIN. 3' ACCESS AROUND BOLLARD (SEE COA SPEC # 2250) (8) MINIMUM 3' CLEARANCE (ENTER BOLLARD TO BE REMOVABLE)
- ICON BARREL ROOF SHADE STRUCTURE (28X16") SURREY BEIGE POWDER COATED FRAME AND TUDOR BROWN ROOF
- ICON BARREL ROOF SHADE STRUCTURE (20X12") SURREY BEIGE POWDER COATED FRAME AND TUDOR BROWN ROOF
- TABLE (3) (1 HC Accessible) MODEL NO. APT/CW-6PC (2) APT/CW-8PC (1) SURFACE MOUNT :R.J. THOMAS MFG. CO. CEDAR COLORED REC.PLASTIC AND BROWN POWDER COAT
- HC ACCESSIBLE BENCH (8) WITH ARM RESTS ON SIDES AND MIDDLE- MODEL NO. PWRB/CW-6PC SURFACE MOUNT :R.J. THOMAS MFG. CO. CEDAR COLORED REC. PLASTIC AND BROWN POWDER COAT
- PLAY STRUCTURE BY PLAYWORLD SYSTEMS MODEL NO. 500-0506 5-12 YEARS (SEE DETAIL SHEET 5) SAND/CHESTNUT/FOREST GREEN/TANGERINE
- PLAY STRUCTURE BY PLAYWORLD SYSTEMS MODEL NO. 350-0201 2-5 YEARS (SEE DETAIL SHEET 5) BEIGE/CHESTNUT/FOREST GREEN/TANGERINE
- ROCKBLOCKS BY PLAYWORLD SYSTEMS MODEL NO. RB-315
- SOFTFORM ANIMALS- BY ROCKBLOCKS AND BOULDERS- (MODEL NO. CAT) (NO FALL ZONE) GREY GRANITE COLOR
- SOFTFORM ANIMALS- BY ROCKBLOCKS AND BOULDERS- (MODEL NO.DRAGON) (NO FALL ZONE) BROWN GRANITE COLOR

- BASKETBALL EQUIPMENT (1) PW ATHLETIC MFG. CO (MODEL NO. 1534) BACK-TO-BACK SINGLE POST. POWDER COATED HUNTER GREEN
- MUTTMITT (4) OUTDOOR PET POLLUTION GLOW DISPENSER (MODEL NO. JJB009) JJB SOLUTIONS
- TRASH RECEPTICAL (8) McCLINTOCK R30 MODEL
- BIKE RACK (2) MADRAX-CYC BICRAC 4 BIKE CAPACITY. SURFACE MOUNTED (MODEL NO. CYB-4-SF-P) POWDER COATED FOREST GREEN

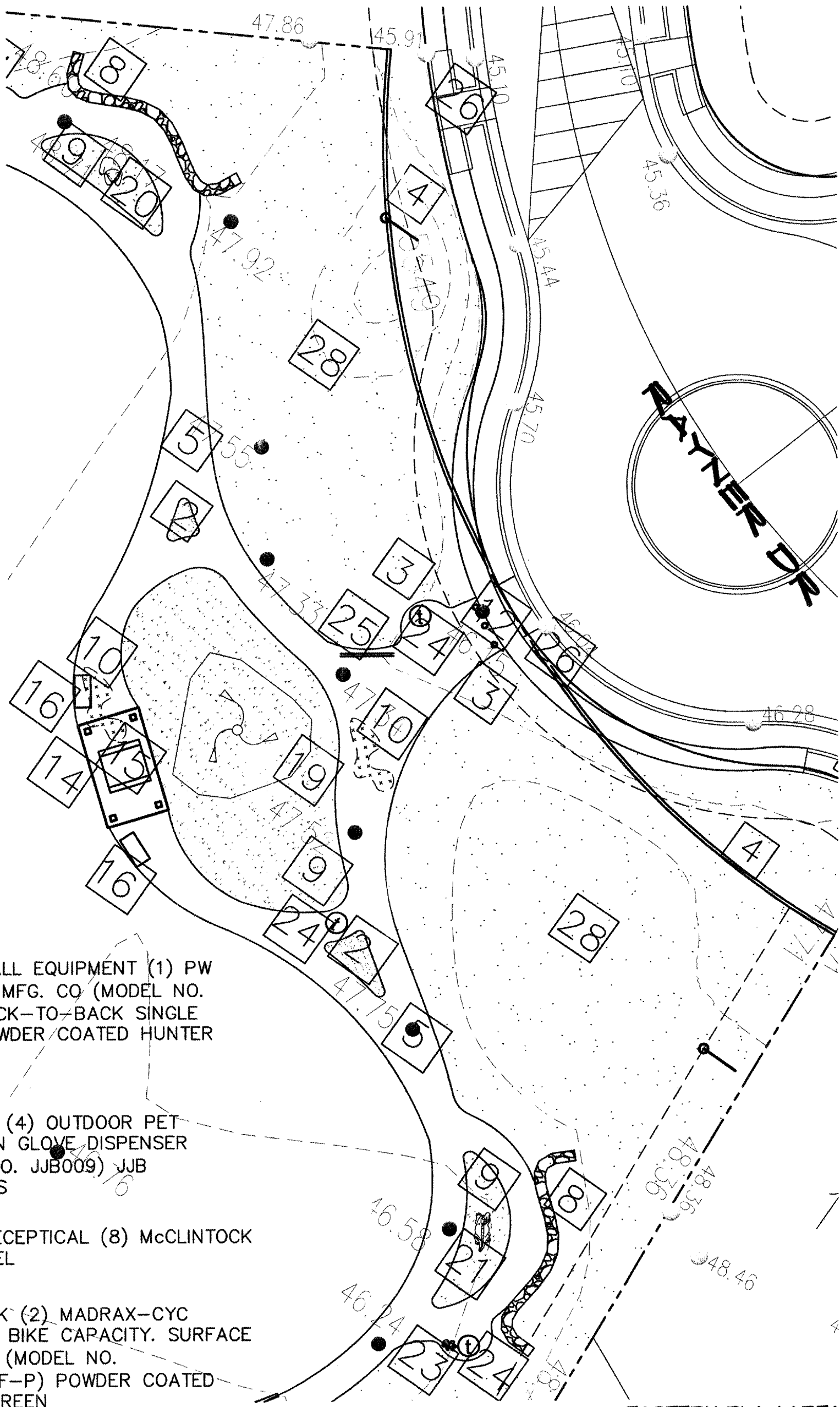
site

- EXISTING SIDEWALK/TRAIL/HC RAMPS PER INFRASTRUCTURE OF SUBDIVISION
- STREETSCAPING PER SUBDIVISION LANDSCAPING PLANS- ROW TO CURB
- EXISTING BERM (1' CONTOURS) GRADES SHALL NOT EXCEED 5:1
- REMOVE EXISTING CURB AND GUTTER /SIDEWALK TO INSTALL NEW CURB AND GUTTER/PRIVATE ENTRANCE (CITY STD. DETAIL #2420) PROVIDE 3'@2% CS. FOR ADA ACCESS ACROSS DRIVEPAD. PROVIDE UNIDIRECTIONAL RAMP WITH TRUNCATED DOMES AT LANDING (CITY STD. DETAIL #2426)
- 50' PNM GAS EASEMENT (NO PERMANENT STRUCTURES OR SHADE TREES SHALL BE PLANTED IN THIS AREA) CONTACT ONE-CALL-PHONE # ON COVER SHEET)

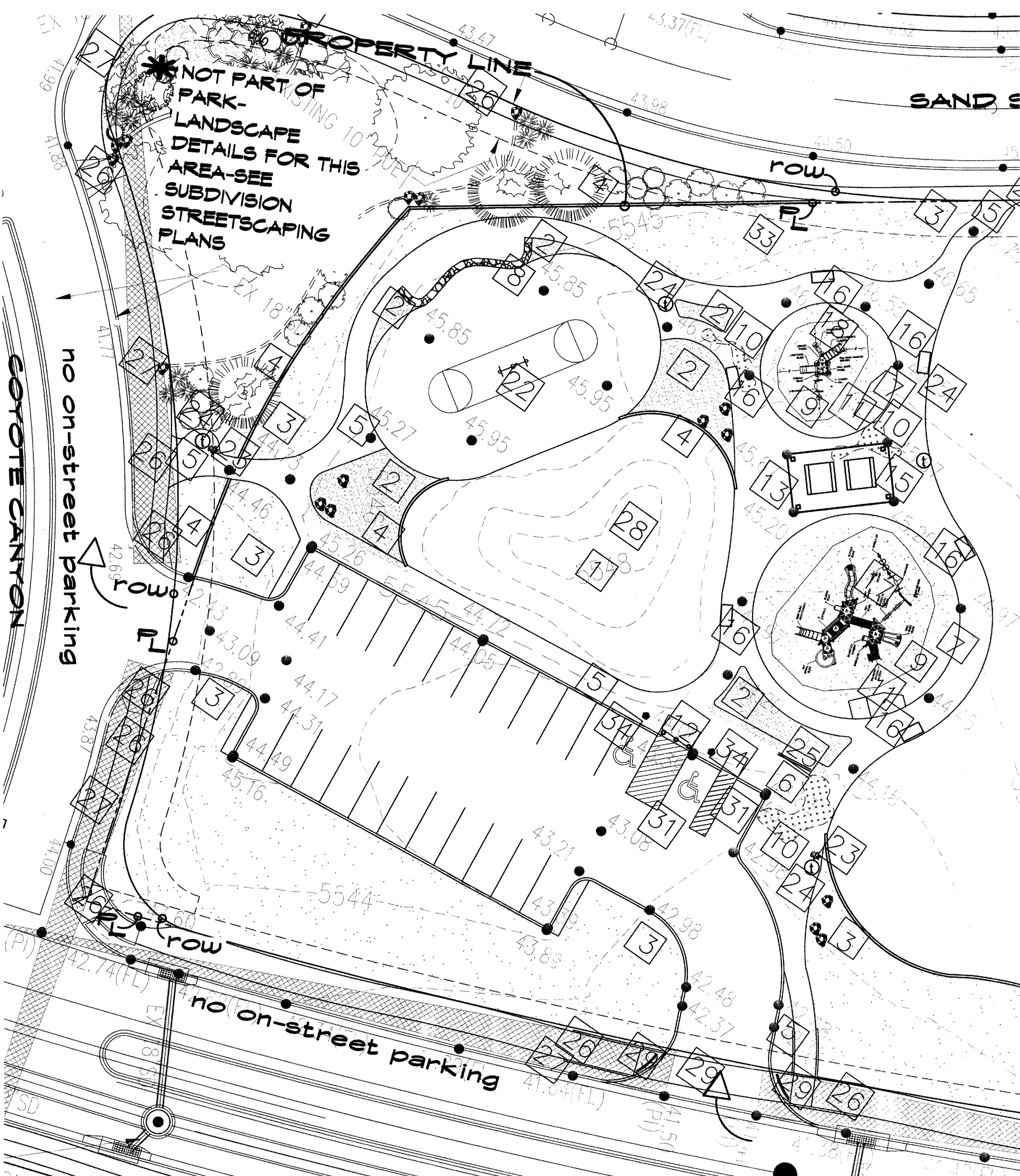
- KEYWAY 4" SOLID WHITE STRIPING 45° AND 4° OC
- OPEN TURF AREA 195'X330'
- FUTURE PUE TO BE CONVEYED

signage

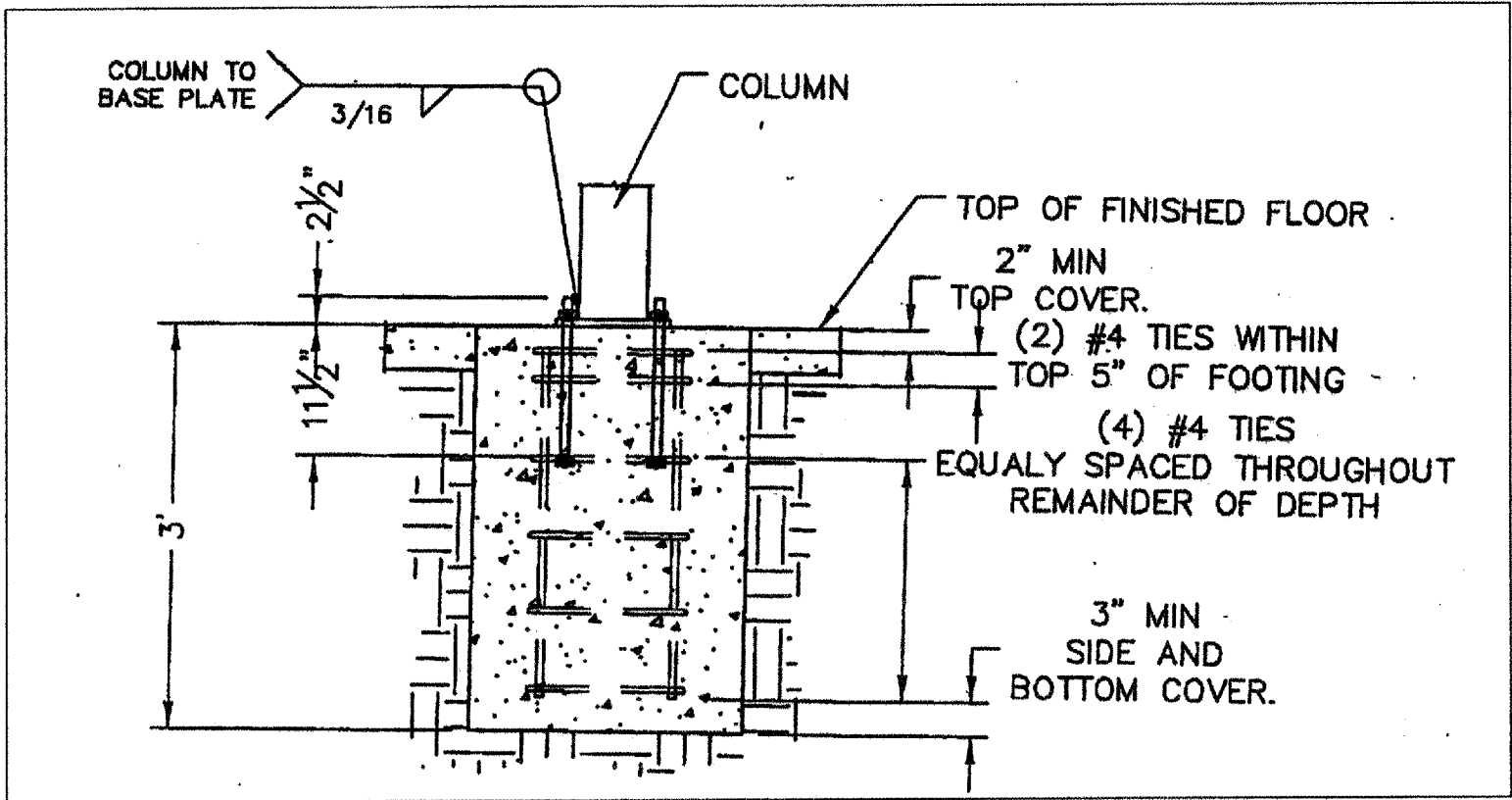
- HANDICAP PARKING SIGN (2)



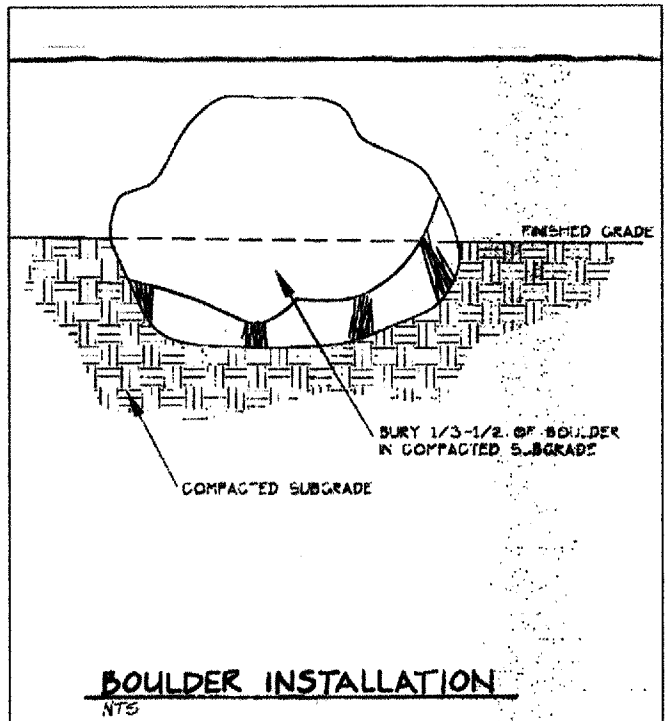
EASTERN PLAY AREA
1:20



WESTERN PLAY AREA
1:20



ICON SHADE STRUCTURE FOOTING



BOULDER INSTALLATION

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

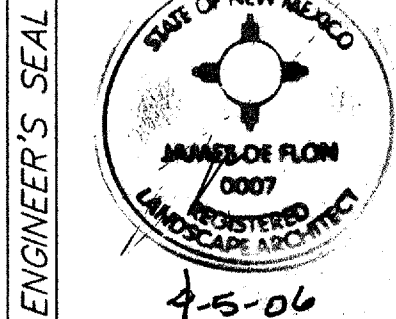
TITLE: PARK NO. 1 AT VENTANA RANCH WEST
CONSTRUCTION AND LAYOUT PLAN/DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	NO./DAY/YR.	MO./DAY/YR.
APPROVE MAY - 8 2006 DESIGN REVIEW COMMITTEE	APPROVE JUL - 8 2006 CITY ENGINEER		1) 3/22/06 2) 4/5/06	
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF	
778881	0-0-0	4	7	

BENCH MARKS

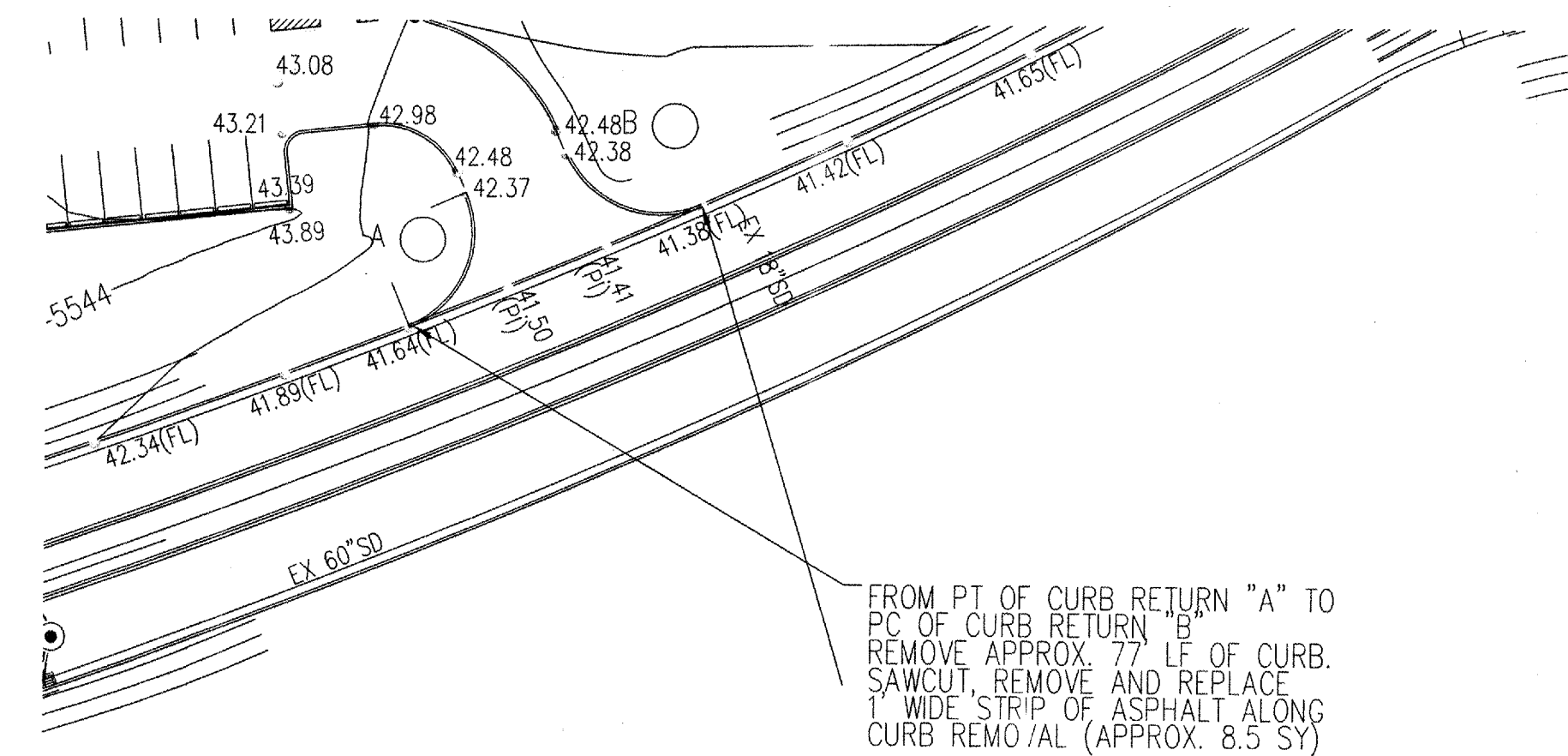
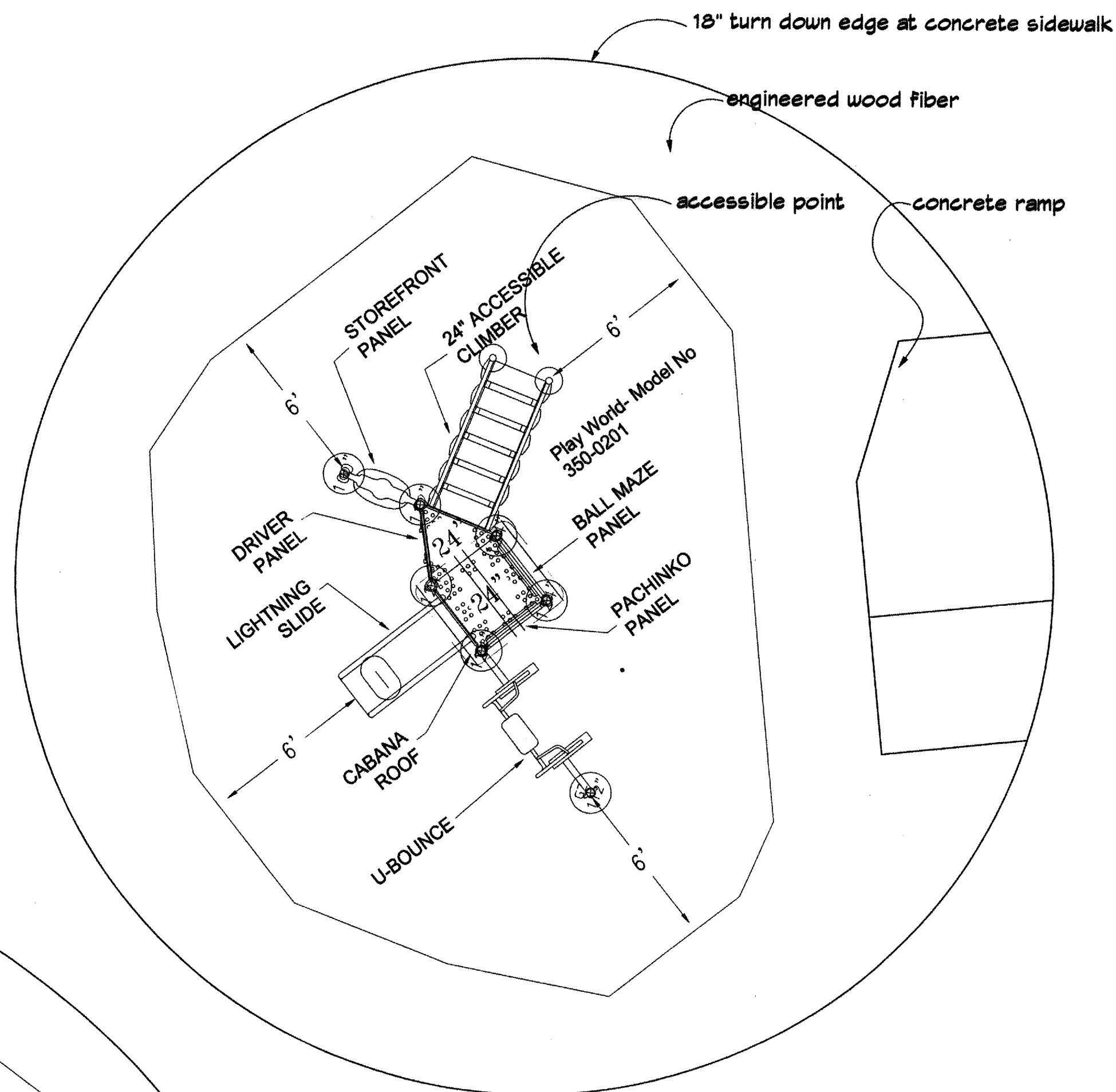
STATION - 2-P10" IS LOCATED 4.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), 60 M. ON COORS 0.1 MI. TO FLORA VISTA AND GO WEST ON FLORA VISTA 0.5 MI. TO CONDERSHIRE, THEN GO S. ON CONDERSHIRE 0.4 MI. TO A POINT APPROX. 50 FT. W. OF THE STATION. STATION MARK IS AN ACS 3 1/2" ALUM CAP STAMPED: 2-P10, 1987" RIVETED TO A PIPE PROJECTED. 0.25 FT ABOVE THE GROUND. X=35841.13, Y=1464349.24 (NAD 27) Z=4991 (NGVD 29).	CONTRACTOR	AS BUILT INFORMATION
WORK DONE BY	DATE	
INSPECTOR'S ACCEPTANCE BY	DATE	
VERIFICATION BY	DATE	
CHECKED BY	DATE	
MICRO-FILM INFORMATION	DATE	
NO.	DATE	

FIELD NOTES	DATE	BY	NO.



PER DRC COMMENTS	REVISIONS	DESIGN	DATE	DATE	DATE

SCANNED BY
PLANNING



A ○ FLOWLINE DATA FOR CURB RETURN

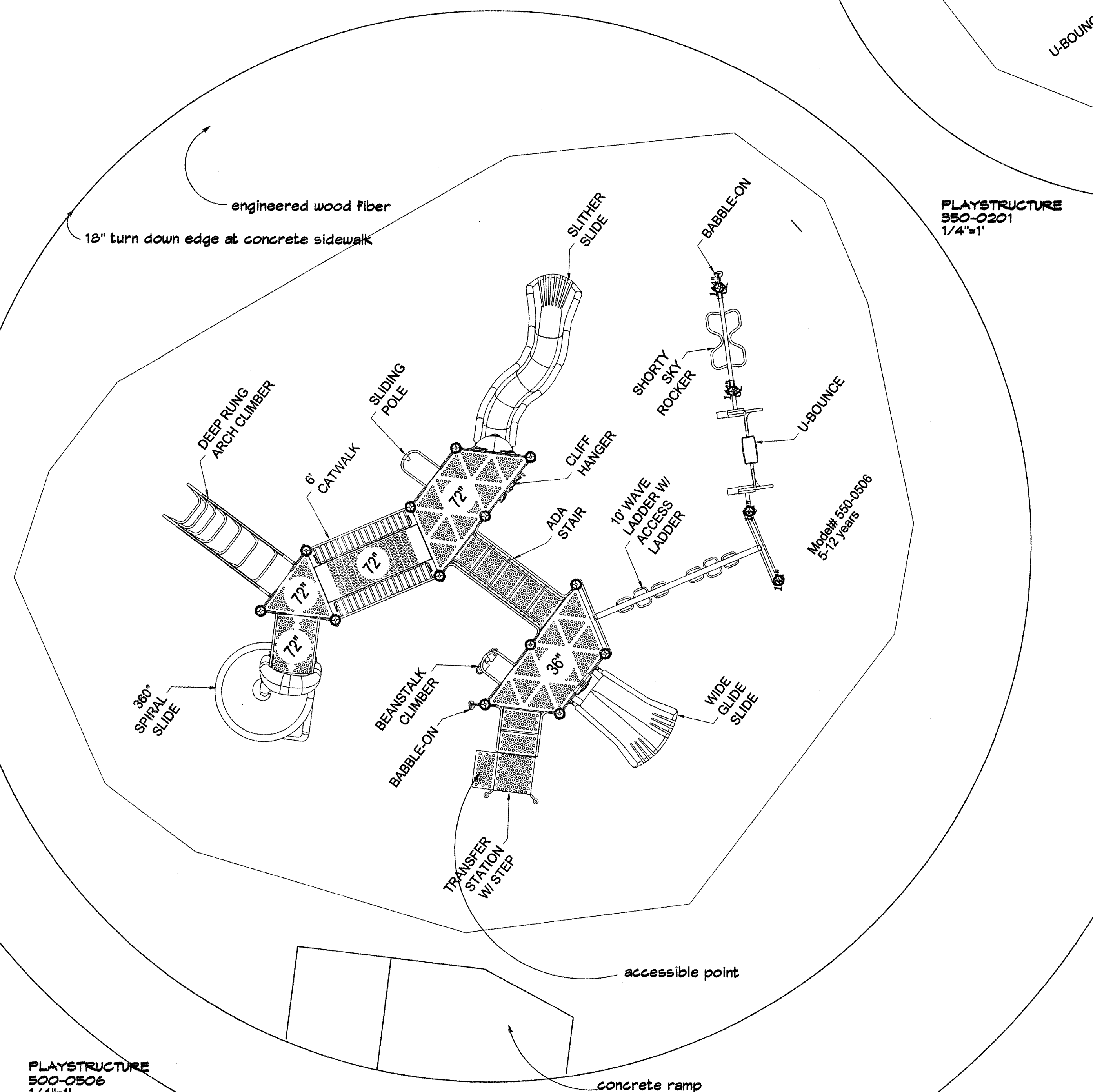
PC	42.37	D = 91°52'50"
1	42.19	R = 25.00'
2	42.01	T = 25.83
3	41.83	L = 40.09
PT	41.64	C = 35.93'
PI	41.50	

PC X=3507441.26, Y=1528230.20
PT X=350727.77, Y=1528196.90
PI X=350751.65, Y=1528206.74
RAD X=350718.40, Y=1528220.07

(B) FLOWLINE DATA FOR CURB RETURN

PC	41.38	D = 90°28'43" R = 25.00' T = 25.21 L = 39.48 C = 35.50'
1	41.63	
2	41.88	
3	42.13	
PT	42.38	
PI	41.41	

PC X=350799.58, Y=1528227.23
PT X=350765.41, Y=1528239.88
PI X=350775.55, Y=1528216.98
RAD X=350783.27, Y=1528250.00

LIMITS OF DEMOLITION AND CURB RETURN DATA
1:40

PLAYSTRUCTURE
500-0506
1/4"=1'

[illegible]

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: PARK NO. 1 AT VENTANA RANCH WEST
CONSTRUCTION AND LAYOUT PLAN/DETAILS

DESIGN REVIEW COMMITTEE

APPROVE

MAY - 8 2006












DESIGN REVIEW COMMITTEE

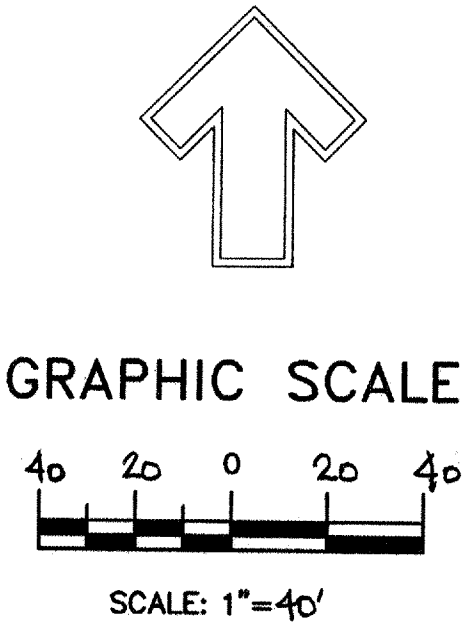
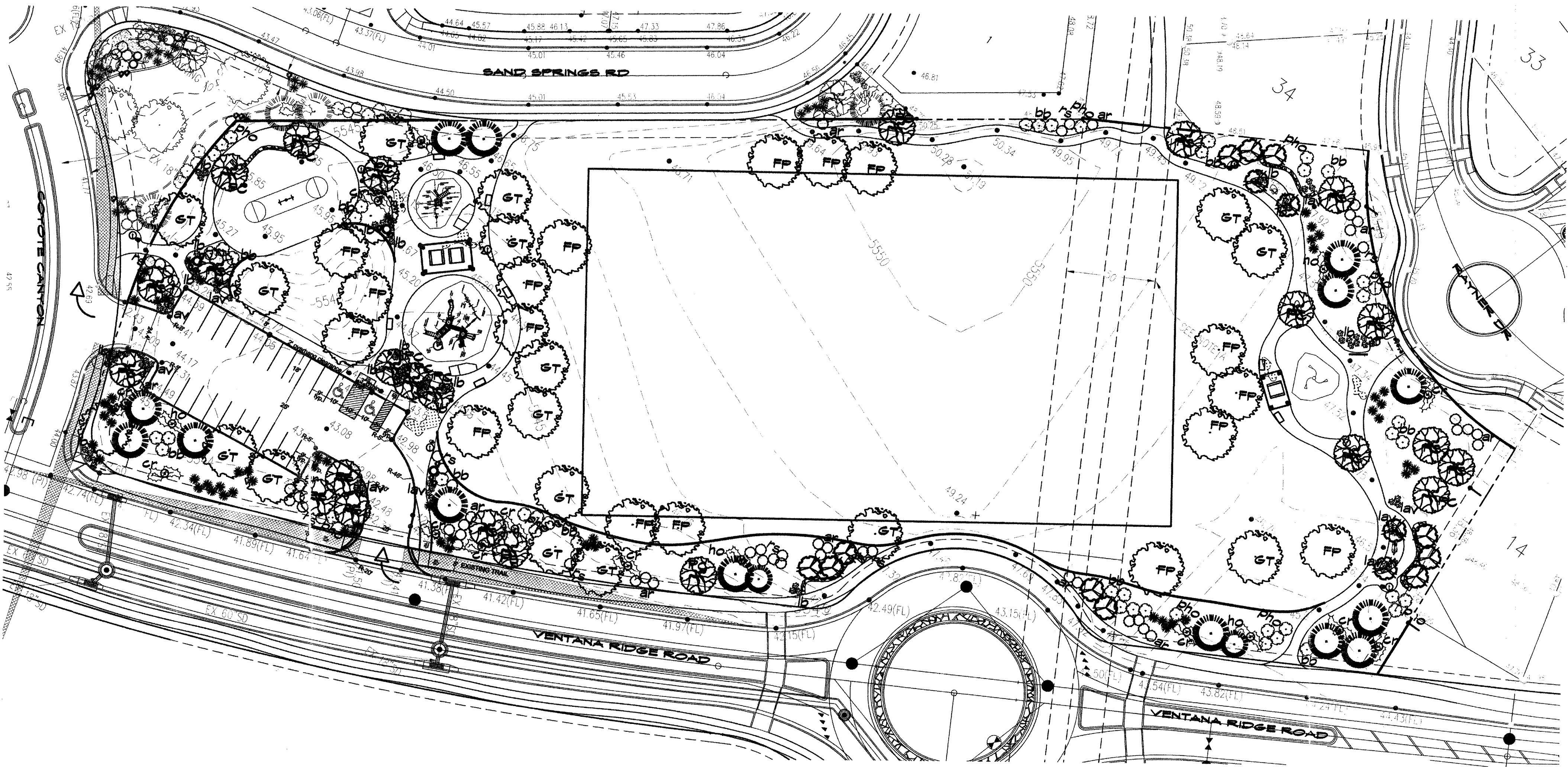
CITY ENGINEER APPROVAL
APPROVED
JUL - 6 2006
CITY ENGINEER

MO./DAY/YR.	MO./DAY/YR.
1) 3/22/06	
2) 4/5/06	

CITY PROJECT NO.	778881	ZONE MAP NO.	0-0-0	SHEET	OF	7
------------------	--------	--------------	-------	-------	----	---

LANDSCAPE LEGEND

	SHADE TREE -2" CAL. FF ASH (M) FRAXINUS TENNESSEANICA DELAVAYE GT HONEY LOCUST (M) GLEDITSIA TRICANTHOS	QTY.	WATER REQ.	HEIGHT/SPREAD
		17	M+	60'X60'
		18	M+	80'X80'
	EVERGREEN TREE -6-8' AUSTRIAN PINE (M) PINUS MYRS	17	M	55'X25'
	ORNAMENTAL TREE -2" CAL. PG FLOWERING PEAR (M+) PYRUS LANCEOLATA PS PURPLE-LEAF PLUM (M) PRUNUS CERATIFERA	10	M+	25'X15'
		8	M	20'X20'
	ORNAMENTAL TREE -24" BOX DESERT WILLOW (L) CHILIPSY TREARIS	26	L+	20'X25'
	LARGE SHRUB- 5 gal. bb BUTTERFLY BUSH (M) BUDDLEIA DIVIDA pho PHOTINA (M) PHOTINA FRASERI	26	L+	10'X10'
		27	M+	8'X8'
	MEDIUM SHRUB- 2 gal. ar ARP ROSEMARY (M) ROSMARINUS OFFICINALIS rs RUSSIAN SAGE (M) PEROVSKIA ATRIPLEFOLIA	56	L+	6'X6'
		24	L	5'X5'
	SMALL SHRUB- 1 gal. lb LAVAS BROOM (M) LYRUS SCOPAEUS lav LAVENDER (M) LAVANDULA ANGUSTIFOLIA	48	M	4'X4'
		39	M	5'X5'
	ORNAMENTAL GRASS- 1 gal. MADENGRASS (M) MELICANTHUS SINENSIS	56	M+	5'X5'
	ACCENT- 5 gal. MULCH PINE (M) PINUS MURRAYI	2	M	5'X5'
	GROUND COVER- 1 gal. or CREEPING ROSEMARY (L) ROSMARINUS OFFICINALIS PROSTRATA ho HONEYSUCKLE (M) LONICERA SCUMPERVIRENS	39	L+	2'X6'
		12	M	5'X5'
	BOULDER CLUSTER			



THE HILLTOP LANDSCAPE ARCHITECTS AND CONTRACTORS 7909 EDITH BLVD. N.E. ALBUQUERQUE, NEW MEXICO 87109 (505)898-9690			
CITY OF ALBUQUERQUE			
TITLE: PARK NO. 1 AT VENTANA RANCH WEST PLANTING PLAN			
DESIGN REVIEW COMMITTEE APPROVE MAY - 8 2006 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE JUL - 6 2006 CITY ENGINEER	MO./DAY/YR. 1) 3/22/06 2) 4/5/06	MO./DAY/YR. DATE XXXX DATE XXXX DATE XXXX
CITY PROJECT NO. 778881		ZONE MAP NO. 0-0-0	SHEET 6 OF 7

AS BUILT INFORMATION		FIELD NOTES		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	NO.	BY	DATE	DATE	PER DRC COMMENTS	CJ	BY	DATE
INSPECTOR'S	DATE					REMARKS			DATE
FIELD ENGINEER	DATE								DATE
VERIFICATION BY	DATE								DATE
CORRECTED BY	DATE								DATE
MICRO-FILM INFORMATION									
RECORDED BY	DATE								DATE
NO.									

- HUNTER #25-36SHS-8 HIGH SPEED, FULL CIRCLE ROTARY SPRINKLER WITH CHECK VALVE, STAINLESS STEEL RISER AND #8 NOZZLE (42" RADIUS, 7.2 GPM, 110' THR @ 40 PSI) (IF NOTED, THE CONTRACTOR SHALL ADJUST THE THROWING RADIUS OF THE SPRINKLER TO THE SPECIFIED DISTANCE)
- HUNTER #25-ADSHS-8 HIGH SPEED PART CIRCLE ROTARY SPRINKLER WITH CHECK VALVE, STAINLESS STEEL RISER AND #8 NOZZLE (42" RADIUS, 7.2 GPM, 91' THR @ 40 PSI) (IF NOTED, THE CONTRACTOR SHALL ADJUST THE THROWING RADIUS OF THE SPRINKLER TO THE SPECIFIED DISTANCE)
- HUNTER #20-36S-3.0SR PART CIRCLE ROTARY SPRINKLER WITH CHECK VALVE, STAINLESS STEEL RISER AND #3.0SR SHORT RADIUS NOZZLE (25" RADIUS, 3.0 GPM, 1.07' THR @ 40 PSI) (IF NOTED, THE CONTRACTOR SHALL ADJUST THE THROWING RADIUS OF THE SPRINKLER TO THE SPECIFIED DISTANCE)
- HUNTER #20-AD5-3.0SR PART CIRCLE ROTARY SPRINKLER WITH CHECK VALVE, STAINLESS STEEL RISER AND #3.0SR SHORT RADIUS NOZZLE (25" RADIUS, 3.0 GPM, 1.07' THR @ 40 PSI) (IF NOTED, THE CONTRACTOR SHALL ADJUST THE THROWING RADIUS OF THE SPRINKLER TO THE SPECIFIED DISTANCE)
- RAINBIRD #1401 FULL CIRCLE, PRESSURE COMPENSATING, TRICKLE PATTERN BUBBLER (.25 GPM @ 30 PSI)
- RAINBIRD #100-PEB 1" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (1.8 PSI LOSS @ 10 GPM)
- RAINBIRD #150-PEB 1 1/2" PLASTIC ELECTRIC VALVE WITH FLOW CONTROL (3.6 PSI LOSS @ 30 GPM)
- RAINBIRD #300BPE 3" PLASTIC/BRASS ELECTRIC VALVE WITH FLOW CONTROL (3.3 PSI LOSS @ 200 GPM) (SEE MASTER VALVE NOTE)
- WILKINS #72DA 2" PRESSURE VACUUM BREAKER BACKFLOW PREVENTER ENCLOSED IN HOTBOX #PVB2 INSULATED ENCLOSURE (CONTRACTOR TO PROVIDE POSITIVE HEAT SOURCE TO BACKFLOW PREVENTER)
- [F] FLOW METER ASSEMBLY: MASTER METER WT SERIES 2" TURBINE METER WITH ELECTRICAL OUTPUT REGISTER (1 PULSE = 1 GALLON)
- CRISPEN MFL 1.0 1" UNIVERSAL AIR RELEASE VALVE ASSEMBLY
- EXISTING WATER METER: VERIFY BADGER "RECORDALL" MODEL #170 OR #200, 2" TURBO WATER METER (CONTRACTOR SHALL VERIFY 180 GPM @ 70 PSI DYNAMIC WATER PRESSURE)
- [E] MOTOROLA IRRINET IRRIGATION CONTROLLER TO BE INSTALLED IN INTERSPEC ELECTRICAL WIRING RACEWAY SURGE PROTECTOR, STATION SWITCHES AND REMOTE READY WITH C.O.A. COMMUNICATION RADIO (16 STATION OUTPUT)
- — MAINLINE PIPE - 4" CLASS 200 PVC GASKETED PIPE
- — LATERAL PIPE - SCH 40 PVC PIPE (PIPE SIZE INDICATED ON PLAN)
- — UNSIZED PIPE - 1/4" SPRINKLERS = 1, 1/4"
- — UNSIZED PIPE - 2" SPRINKLERS = 1"
- — UNSIZED PIPE: BUBBLERS = 3/4"
- == == SLEEVE PIPE - SCH 40 PVC (TWO SIZES LARGER THAN PIPE TO BE SLEEVED)

WATER PRESSURE:
THE WATER PRESSURE AT THIS SITE WAS REPORTED TO BE 65-70 PSI BY NEW MEXICO WATER UTILITIES ON MARCH 18, 2008. THE CONTRACTOR SHALL VERIFY THE DESIGN WATER PRESSURE PRIOR TO COMMENCING CONSTRUCTION. PRIOR TO EACH TEST PRIOR TO THE INSTALLATION OF ANY IRRIGATION COMPONENTS, THE CONTRACTOR SHALL INSTALL A METER, THE CONTRACTOR SHALL REPORT THE WATER PRESSURE TO THE CONSULTANT. THE FLOW NOTED BELOW AND REPORT HIS FINDINGS IN WRITING TO THE IRRIGATION CONSULTANT. THE CONTRACTOR SHALL RECEIVE A NOTICE TO PROCEED, IN WRITING FROM THE IRRIGATION CONSULTANT UPON ACCEPTANCE OF THE WATER PRESSURE TEST. **SHALL ASSUME FULL RESPONSIBILITY FOR ANY DESIGN CHANGE AND/OR ADDITIONAL DESIGN FILE. (WATER PRESSURE CRITERIA: 65 PSI (DYNAMIC) @ 180 GPM**

WATER METER:
THE EXISTING WATER METER IS REPORTED TO BE 2" BY THE CONTRACTOR. THIS IRRIGATION SYSTEM IS DESIGNED TO OPERATE PROPERLY UTILIZING THE METER PERFORMANCE SPECIFICATIONS PROVIDED BY NEW MEXICO WATER UTILITIES FOR A 2" LANDSCAPE IRRIGATION SYSTEM. UPON ACCEPTANCE OF THE IRRIGATION COMPONENTS THE CONTRACTOR SHALL VERIFY THAT THE BRAND, MODEL AND SIZE OF WATER METER INSTALLED AT THIS SITE MATCHES THE FOLLOWING:
BADGER "B" FLOW METER 11710 OR #200 TURBO METER - 2".

IRRIGATION BACKFLOW DEVICE:
THIS IRRIGATION SYSTEM WILL REQUIRE THE USE OF PRESSURE VACUUM BREAKER BACKFLOW DEVICE IN LIEU OF A REDUCED PRESSURE BACKFLOW PREVENTER TO FUNCTION PROPERLY. THE AVAILABLE CITY WATER PRESSURE AT THIS SITE IS NOT ADEQUATE ENOUGH FOR THIS SYSTEM TO OPERATE OTHERWISE.

SPRINKLER STAKING:
THE SPRINKLER LOCATIONS SHALL BE PRECISELY LOCATED BY THE USE OF SURVEY GRADE GPS EQUIPMENT OR CONVENTIONAL SURVEY METHODS. THE FINAL STAKED SPRINKLER LOCATIONS SHALL BE BASED ON AS-BUILT SURVEY DATA OF THE HARDSCAPE SURROUNDING THE TURF AREAS. THE CONTRACTOR SHALL VERIFY THE STAKES AND STAKE THE LOCATIONS OF THE ROTARY SPRINKLERS. THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

OR
THE CONTRACTOR SHALL HIRE HIS OWN SURVEY FIRM TO PROVIDE AS-BUILT SURVEY FORMAT. THE DATA OF THE HARDSCAPE AREAS SURROUNDING THE TURF AREAS IN DIGITAL AUDIO FORMAT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE IRRIGATION CONSULTANT, WHO WILL ADJUST SPRINKLER LOCATIONS ACCORDINGLY BASED ON THIS DATA. THE IRRIGATION CONSULTANT SHALL PROVIDE THE COORDINATE DATA OF EACH SPRINKLER LOCATION TO THE CONTRACTOR. THE CONTRACTOR SHALL OCCUR THE COSTS OF THESE SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CERTIFIED LANDSCAPE IRRIGATION AUDIT:
PRIOR TO THE INSTALLATION OF SOD, SEED, TREES OR OTHER PLANT MATERIAL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A CERTIFIED LANDSCAPE WATER AUDIT TO THE IRRIGATION CONSULTANT. THE AUDIT SHALL BE CONDUCTED IN THE TURF AREAS. PLANT MATERIALS SHALL BE INSTALLED IN TURF GRASS AREAS UNTIL A DISTRIBUTION UNIFORMITY RESULTS HAVE BEEN ACCEPTED BY THE CITY.

OR
THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE SPRINKLER IRRIGATION SYSTEM IS IN FULL WORKING ORDER PRIOR TO ANY WHERE THERE SHALL BE NO CLOGGED OR MISSING NOZZLES. NON-ROTATING SPRINKLERS MUST BE REPLACED WITH ROTATING SPRINKLERS. DEFUNCT SPRINKLERS MUST BE REMOVED OR LEVELLED AND EACH SPRINKLER MUST BE PROPERLY SET AND LEVELED. THE CONTRACTOR SHALL ALSO PROVIDE PRESSURE REGULATION DEVICES OR VALVE FLOW CONTROLS (IF APPLICABLE) TO MAINTAIN DISCHARGE PRESSURE INDICATED IN THE LEGEND.

SPECIFICATIONS AND DETAIL DRAWINGS:
THE CONTRACTOR SHALL REFER TO THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS AND DETAIL DRAWINGS FOR IRRIGATION CONSTRUCTION. IN THE EVENT THE CONTRACTOR HAS ANY QUESTIONS REGARDING THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE IRRIGATION CONSULTANT AND SHALL ADJUST ANY. THE CONTRACTOR SHALL NOT PROCEED WITH INSTALLATION OF CONFLICTING IRRIGATION COMPONENTS UNTIL HE RECEIVES CLARIFICATION IN WRITING FROM THE CONSULTANT.

TREE / SHRUB LOCATIONS:
THE TREE ROUTING SHOWN ON THESE PLANS IS SCHEMATIC. THE CONTRACTOR SHALL INSTALL ALL TREES AND SHRUBS IN THE IR OR SHRUBS. THE SPRINKLER LOCATIONS SHOWN ON THESE PLANS ARE FIXED AND MUST BE FIELD LOCATED AS SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE INTENDED DISTRIBUTION UNIFORMITY. THE CONTRACTOR SHALL FIELD ADJUST ANY OF THE LOCATIONS THAT ARE SHOWN TO BE CLOSER THAN 12" FROM ANY SPRINKLER HEAD. IF PROPOSED LOCATIONS REARRANGEMENT IS REQUIRED, THE CONTRACTOR SHALL HAVE HIS PROPOSED LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.

SPRINKLER NOZZLES:
THE CONTRACTOR SHALL ADJUST THE THROWING RADIUS OF ALL PERTINENT SPRINKLER NOZZLES SO AS TO MINIMIZE THE OVERSPRAY ONTO HARDSCAPE OR OTHER UNINTENDED AREAS. THE CONTRACTOR SHALL ALSO INCLUDE IN HIS BID OR PRICE, AN ALLOWANCE FOR ANY SPRINKLER NOZZLE CHANGES THAT MAY BE REQUIRED. THE CONTRACTOR SHALL LANDSCAPE ARCHITECT OR IRRIGATION CONSULTANT TO CORRECT ISSUES OF OVERSPRAY, UNDERSPRAY OR DISTRIBUTION UNIFORMITY.

MAINLINE FITTINGS:
THE CONTRACTOR SHALL USE TWO (2) 45 DEGREE ELBOWS FOR EACH 90 DEGREE MAINLINE BEND AS PER CITY OF ALBUQUERQUE'S REQUIREMENT.

VALVE ID	CTRL STA.	SPK TYPE	FLOW	PRECIP RATE	RUNTIME
01	01	I-25 FC	122.4 GPM	.47"/ hr	84 MIN
02	02	I-25 FC	144 GPM	.47"/ hr	84 MIN
03	03	I-25 FC	151.2 GPM	.47"/ hr	84 MIN
04	04	I-25 PC	144 GPM	.94"/ hr	42 MIN
05	05	I-25 PC	136.8 GPM	.94"/ hr	42 MIN
06	06	I-20 FC	12 GPM	.535"/ hr	74 MIN
07	07	I-20 PC	33 GPM	1.07"/ hr	37 MIN
08	08	BUBBLER	120 GPM	25/.75 GPM	12 MIN
MV	16	N/A	151.2 GPM	N/A	N/A
				TOTAL RUNTIME: 7.65 hrs	

STATION RUNTIMES ARE CALCULATED TO APPLY .66" OF WATER ON ALL TURF AREAS, 3 GALLONS OF WATER PER SHRUB AND 9 GALLONS OF WATER PER TREE PER IRRIGATION CYCLE.

IRRIGATION COMPONENT @ 150 GPM		PRESSURE LOSS
2" WATER METER		2.5 PSI
2" (PVB) BACKFLOW DEVICE		6.5 PSI
2" FLOW METER (MASTER METER)		1.4 PSI
3" MASTER VALVE		2.4 PSI
3" ZONE VALVE		2.4 PSI
LATERAL PIPE (ESTIMATE)		4.0 PSI
4" MAINLINE PIPE (470' / .55 PSI PER 100')		2.6 PSI
ELEVATION		XX.X PSI
TOTAL PRESSURE LOSSES:		-21.8
EXPECTED WATER PRESSURE:		+65.0
SPRINKLER OPERATING PSI:		43.2

THE EXPECTED WATER PRESSURE AT THIS SITE WAS REPORTED BY NEW MEXICO WATER UTILITIES ON MARCH 16, 2008. THERE IS NO ESTIMATE FOR THE PRESSURE LOSS THROUGH THE CITY WATER MAINLINE OR SERVICE LINE FEEDING METER. THE CONTRACTOR SHALL THOROUGHLY TEST THE CONDITIONS OF THE WATER AVAILABILITY PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM.

SCALE: 1"=40'

[illegible]

THE HILLTOP
LANDSCAPE ARCHITECTS AND CONTRACTORS
7909 EDITH BLVD. N.E.
ALBUQUERQUE, NEW MEXICO 87109
(505)898-9690

CITY OF ALBUQUERQUE

TITLE: PARK NO. 1 AT VENTANA RANCH WEST
IRRIGATION PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LATEST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
MAY - 8 2006	JUL - 8 2006		1) 3-22-06	
DESIGN REVIEW COMMITTEE	CITY ENGINEER		2) 4-5-06	
			3) 4-19-06 irr only	

CITY PROJECT NO.	778881	ZONE MAP NO.	0-0-0	SHEET	7	OF	7
------------------	--------	--------------	-------	-------	---	----	---