

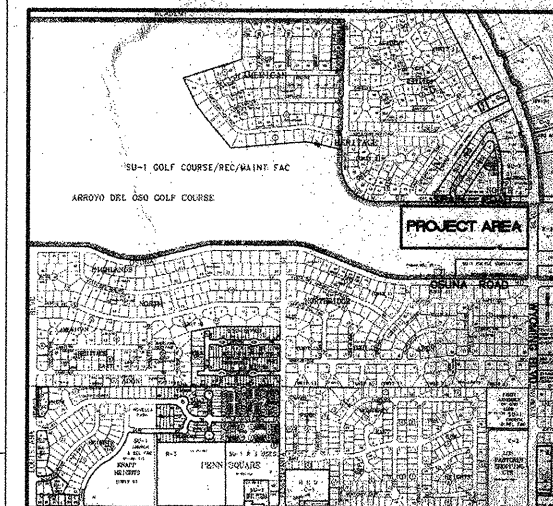
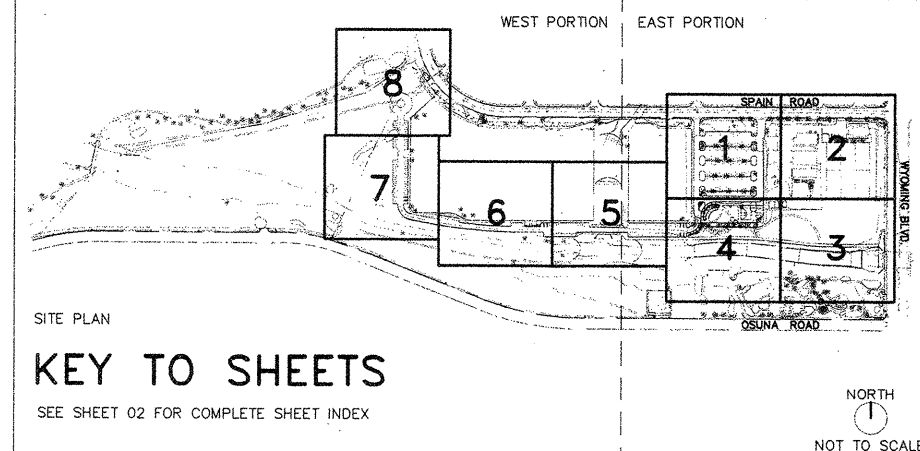
OCTOBER 15, 1999
BID DOCUMENTS

PHASE 1 IMPROVEMENTS ARROYO DEL OSO PARK

5301 WYOMING BOULEVARD, NE

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GENERAL NOTES

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED, FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 ED. AND SHALL INCLUDE UPDATE NO.6.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. 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.
5. 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 BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL COORDINATE WITH WATER-SYSTEMS DIVISION (857-8200) FIVE 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. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
8. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
9. 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 OF ALBUQUERQUE SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISH ELEVATION 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 NEW GRADE, UNLESS OTHERWISE SPECIFIED.
10. ALL WATER LINES TO BE C900 PVC, AND ALL SEWER LINES TO BE SDR35 PVC.

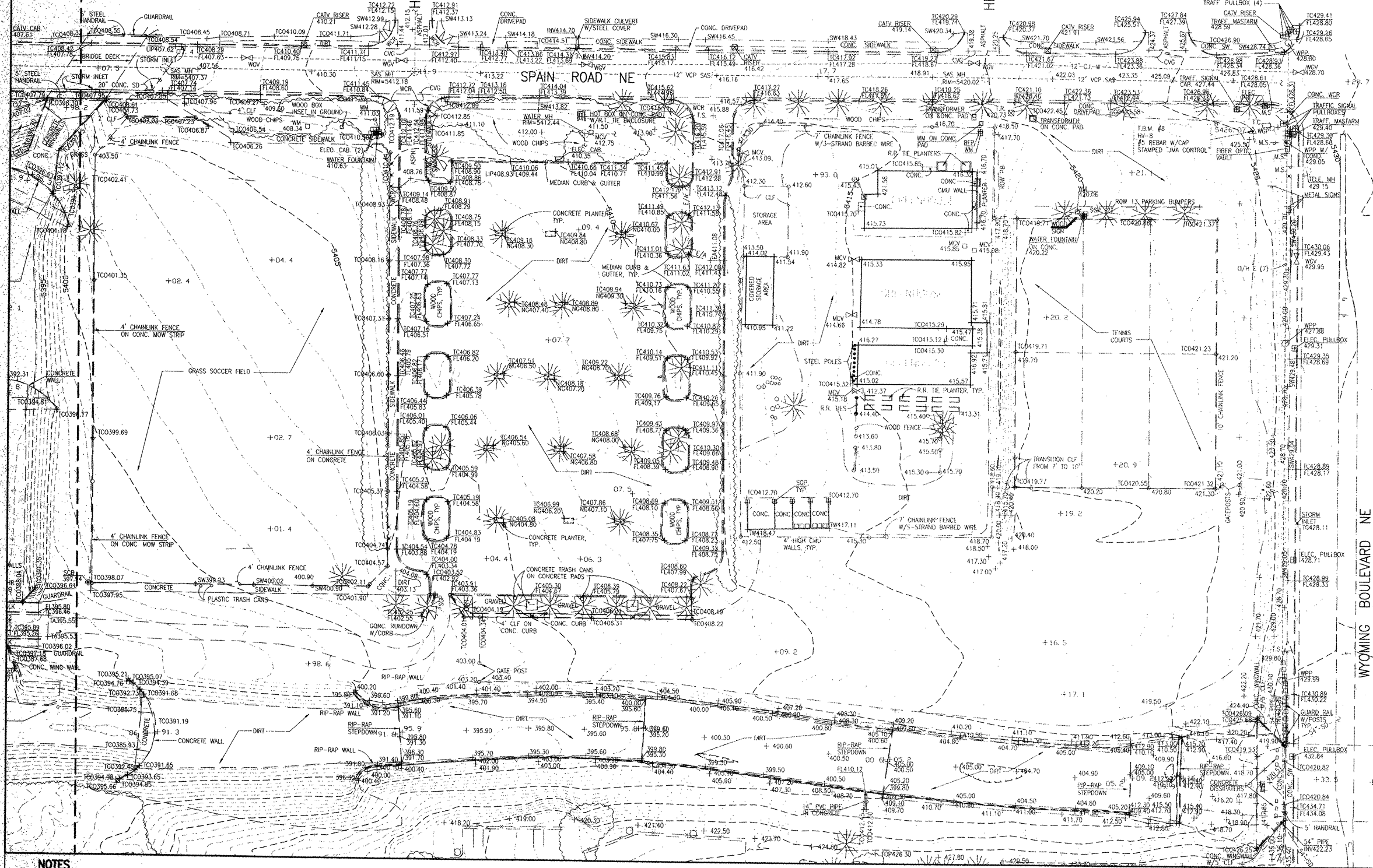
DESIGNWORKSHOP

901 Rio Grande NW
Suite E130
Albuquerque, NM
87104
(Tel.) 505.243.8333
(Fax) 505.243.8337

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE		
LANDSCAPE ARCHITECT'S SEAL		APPROVALS	ENGINEER	DATE	*****				
		DRG CHAIRMAN			APPROVED FOR CONSTRUCTION				
		TRANSPORTATION							
		WATER/WASTEWATER							
		HYDROLOGY							
		C.I.P.							
		CONSTR. MGMT.			City Engineer		Date		
		CONSTR. COORD.			Sheet		1	Of	41
		City Project Number			4980.93		01		

SET NUMBER: 20

MATCHLINE - WEST PORTION	MATCHLINE - EAST PORTION



NOTES

1. A SUPPLEMENTAL TOPOGRAPHIC SURVEY WAS CONDUCTED IN FEBRUARY, 1999.
2. SCREENED INFORMATION IS BASED UPON THE AERIAL-BASED TOPOGRAPHIC SURVEY PREPARED BY PACIFIC WESTERN TECHNOLOGIES, LTD. IN MARCH, 1999.
3. UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE SURFACE EVIDENCE. UTILITY LINES SHOWN ON THIS DRAWING 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 COMMENCED. THE SURVEY MAY BE CONSIDERED 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 PROPERTY OWNER, DEVELOPER, OR 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 PROPERTY OWNER, DEVELOPER, OR 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.

HERITAGE CT. NE

WYOMING BOULEVARD NE

LEGEND

TC	TOP OF CURB
FL	FLOWLINE
TW	TOP OF WALL
TA	TOP OF ASPHALT
EA: E/A	EDGE OF ASPHALT
TOC	TOP OF CONCRETE
MH	MANHOLE
SW	TOP OF SIDEWALK
SAS	SANITARY SEWER
LG	METAL LIGHT POLE
WGV	WATER GATE VALVE
SOP	STEEL GUARD POST
WH	WATER
CWG	CONCRETE VALVEY GUTTER
ELEC. CAB	ELECTRIC CABINET
CLF	CHAINLINK FENCE
LEV	CABLE TELEVISION
SD MH	STORM DRAIN MANHOLE
SD	SEWER MANHOLE
BTF	BACKFLOW PREVENTER
TR	TELEPHONE RISER
P.B.	PARKING BUMPER
SCB	SEWER CONTROL BOX
SHR	STEEL HANDRAIL
SAV	SPRINKLER ANTI-SIPHON VALVE
WV	WOOD POWER POLE
W/CONDUIT	WITH CONDUIT
U/E (1) (7) (L)	OVERHEAD ELECTRIC LINES (NO. OF LINES)
WGP	WOOD GUARD POST
PBX	PULLBOX
M.S.	METAL SIGN
INV	INVERT
TR	TRAFFIC SIGN
W	CONCRETE WHEELCHAIR RAMP
WV	WATER LINE
SAS	SANITARY SEWER LINE
SD	STORM DRAIN LINE

T.B.M.

T.B.M. #1 = HW-1
A MAG NAIL SET IN THE ASPHALT ALONG OSUNA ROAD NE. AS SHOWN ON SHEET 2.
ELEVATION = 5439.19 FEET (M.S.L.D.)

T.B.M. #2 = HW-2
A MAG NAIL SET IN THE ASPHALT NEAR THE INTERSECTION OF OSUNA RD. NE. AND
BRENDA ST. N.E. AS SHOWN ON SHEET 2.
ELEVATION = 5405.78 FEET (M.S.L.D.)

T.B.M. #3 = HW-3
A MAG NAIL SET IN THE ASPHALT ALONG OSUNA ROAD NE. AS SHOWN ON SHEET 1.
ELEVATION = 5381.01 FEET (M.S.L.D.)

T.B.M. #4 = HW-4
A MAG NAIL SET IN THE ASPHALT ALONG OSUNA ROAD NE. AS SHOWN ON SHEET 1.
ELEVATION = 5355.90 FEET (M.S.L.D.)

T.B.M. #5 = HW-6
A #5 REBAR WITH CAP STAMPED "JMA CONTROL" AS SHOWN ON SHEET 1.
ELEVATION = 5372.97 FEET (M.S.L.D.)

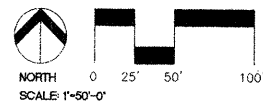
T.B.M. #7 = HW-7
A MAG NAIL IN THE ASPHALT ALONG SPAIN ROAD NE AS SHOWN ON SHEET 1.
ELEVATION = 5400.58 FEET (M.S.L.D.)

T.B.M. #8 = HW-8
A #5 REBAR WITH CAP STAMPED "JMA CONTROL" SET NEAR THE INTERSECTION OF
SPAIN ROAD NE. AND WYOMING BOULEVARD NE. AS SHOWN ON SHEET 2.
ELEVATION = 5428.07 FEET (M.S.L.D.)



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(Fax) 505.243.8337

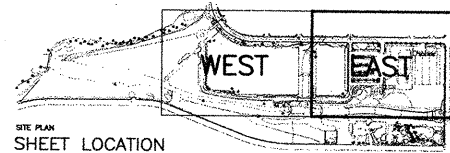
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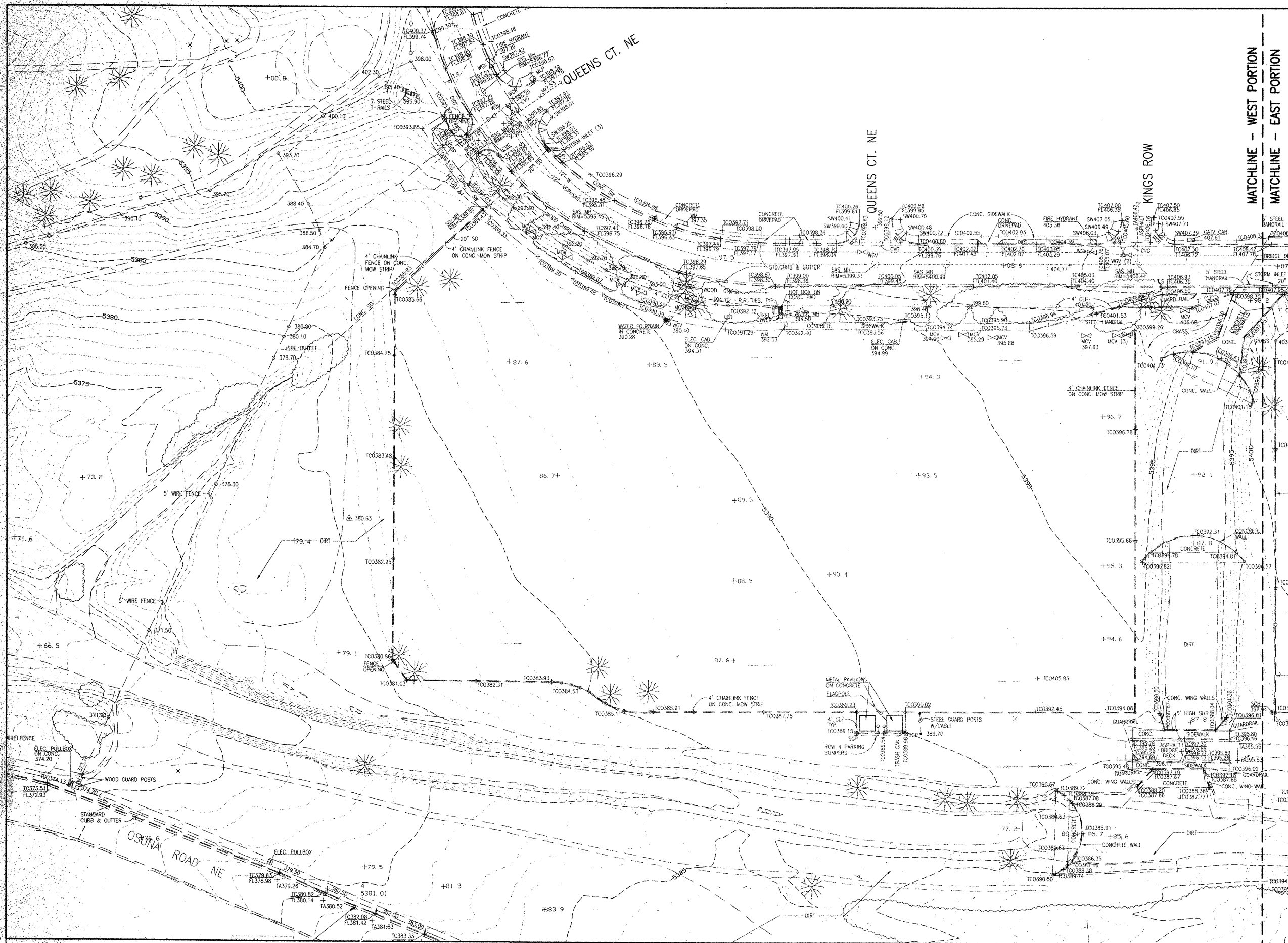
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
EXISTING CONDITIONS - EAST PORTION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.		
City Project No.	4980.93	Zone Map No.	F-19-Z	Sheet EC1	3	Of 41



SITE PLAN
SHEET LOCATION



LEGEND

TC	TOP OF CURB
FL	FLOWLINE
TW	TOP OF WALL
TA	TOP OF ASPHALT
EA/E/A	EDGE OF ASPHALT
TCO	TOP OF CONCRETE
MH	MANHOLE
SW	TOP OF SIDEWALK
SAS	SANITARY SEWER
M/P	METAL LIGHT POLE
WGV	WATER GATE VALVE
SGP	STEEL GUARD POST
WM	WATER METER
CVG	CONCRETE VALLEY GUTTER
ELEC. CAB	ELECTRIC CABINET
CLF	CHAINLINK FENCE
CTV	CABLE TELEVISION
SD MH	STORM DRAIN MANHOLE
SAS MH	SANITARY SEWER MANHOLE
B/P	BACKFLOW PREVENTER
T/R	TELEPHONE RISER
PB	PARKING BUMPER
SCB	SPRINKLER CONTROL BOX
SHR	STEEL HANDRAIL
SAV	SPRINKLER ANTI-SIPHON VALVE
SPP	WOOD POWER POLE
W/COND.	OVERHEAD ELECTRIC LINES (NO. OF LINES)
O/H E (7)	TOP OF GRADE
TG	WOOD GUARD POST
WCP	PULLBOX
PBX	TELEPHONE CABINET
M.S.	METAL SIGN
IN	INVERT
T.S.	TRAFFIC SIGN
WCR	CONCRETE WHEELCHAIR RAMP
W	WATER LINE
SAS	SANITARY SEWER LINE
SD	STORM DRAIN LINE

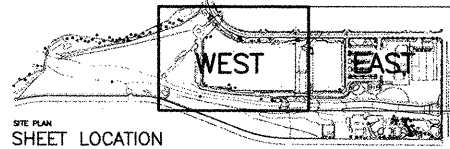
T.B.M.

- T.B.M. #1 = HV-1
A MAG NAIL SET IN THE ASPHALT ALONG OSUNA ROAD NE. AS SHOWN ON SHEET 2.
ELEVATION = 5439.19 FEET (M.S.L.D.)
- T.B.M. #2 = HV-2
A MAG NAIL SET IN THE ASPHALT NEAR THE INTERSECTION OF OSUNA RD. NE. AND
BRENDA ST. N.E. AS SHOWN ON SHEET 2.
ELEVATION = 5405.76 FEET (M.S.L.D.)
- T.B.M. #3 = HV-3
A MAG NAIL SET IN THE ASPHALT ALONG OSUNA ROAD NE. AS SHOWN ON SHEET 1.
ELEVATION = 5381.01 FEET (M.S.L.D.)
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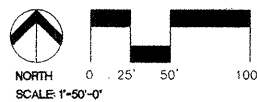
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NOTES

- A SUPPLEMENTAL TOPOGRAPHIC SURVEY WAS CONDUCTED IN FEBRUARY, 1999.
- SCREENED INFORMATION IS BASED UPON THE AERIAL-BASED TOPOGRAPHIC SURVEY PREPARED BY PACIFIC WESTERN TECHNOLOGIES, LTD. IN MARCH, 1999.
- UTILITY INFORMATION SHOWN HEREON IS BASED UPON ON-SITE SURFACE EVIDENCE. UTILITY LINES SHOWN ON THIS DRAWING 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 SURVEYOR 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 PROPERTY OWNER, DEVELOPER, OR 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 PROPERTY OWNER, DEVELOPER, OR 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.



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(Tel.) 505.243.8333
(Fax) 505.243.8337



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK EXISTING CONDITIONS - WEST PORTION	
Design Review Committee	City Engineer Approval
Last Design Update	
City Project No. 4980.93	
Zone Map No. F-19-Z	Sheet 4 of 41
EC2	

PLANT PRESERVATION AND GENERAL REMOVAL NOTES

1. ALL TREE WORK INCLUDING PRUNING, CLEARING, WATERING, FERTILIZING, AND INSTALLATION OF LIGHTNING PROTECTION SHALL BE PERFORMED BY A LICENSED ARBORIST WITH A MINIMUM OF 5 YEARS DOCUMENTED EXPERIENCE.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ARBORIST ASSOCIATION BOOK OF STANDARDS, MOST RECENT EDITION.
3. PROTECT ALL TREES TO BE PRESERVED WITH FENCES AND SIGNS. THE FENCE SHALL REMAIN UPRIGHT AND INTACT UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETE. THE LANDSCAPE ARCHITECT SHALL APPROVE PROTECTIVE FENCING INSTALLATION PRIOR TO THE START OF ANY SITE WORK.
4. ALL TREES TO BE PRESERVED IN TREE PRESERVATION AREAS SHALL BE PROTECTED BY 48" FENCING (ORANGE PLASTIC WEB) SUPPORTED BY METAL STAKES. THE FENCE SHALL BE LOCATED AS SHOWN ON THE PLAN. THE FENCE SHALL BE FIRMLY ANCHORED INTO THE GROUND AND SHALL REMAIN UPRIGHT AND INTACT UNTIL ALL CONSTRUCTION ACTIVITY IS COMPLETE. CONSTRUCTION ACTIVITIES OR STORAGE SHALL NOT OCCUR WITHIN THESE PROTECTED AREAS. THE CONTRACTOR SHALL STAKE THE PROTECTIVE FENCING LOCATION. THE LOCATION OF THE PROTECTIVE FENCING SHALL BE APPROVED ON-SITE BY THE LANDSCAPE ARCHITECT PRIOR TO THE START OF ANY SITE WORK.
5. CONTINUOUSLY MAINTAIN ALL EXISTING TREES TO REMAIN FROM THE START OF SITE WORK THROUGH PROJECT COMPLETION.

6. CONTRACTOR AND OWNER'S REPRESENTATIVE SHALL VERIFY THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO PROCEEDING WITH ANY TRENCHING.
7. PROHIBIT PARKING, CONSTRUCTION EQUIPMENT, BUILDING SUPPLY OR MATERIAL STORAGE, TRASH DISPOSAL, FOOT TRAFFIC AND VEHICULAR TRAFFIC IN THE TREE PRESERVATION AREAS.
8. WORK WITHIN AND IN CLOSE PROXIMITY TO PRESERVATION AREAS SHALL CONFORM TO THE SPECIFICATIONS REGARDING TREE REMOVAL, STUMP REMOVAL, ROOT PRUNING, FILL, SILTATION CONTROL, AND TEMPERATURE FLUCTUATION MITIGATION.
9. AVOID EXCAVATION DAMAGE: WHEN EXCAVATION NEAR A TREE TO BE PROTECTED MUST BE CARRIED OUT, DAMAGE CAN BE LIMITED BY ROOT PRUNING. ROOT PRUNING SHALL BE COMPLETED BEFORE GRADING IS STARTED AND SHALL OCCUR BENEATH THE PROTECTIVE FENCING AS SHOWN ON THE PLAN.
10. ROOT PRUNING: ROOT PRUNING SHALL BE PERFORMED WHEN REQUIRED WITH A TRENCHER SUCH AS A TELEPHONE CABLE FULLER OR A "DITCH WITCH" PRIOR TO ADJACENT EXCAVATION. THE TRENCHING SHALL BE TO A MINIMUM DEPTH OF 24" OR THE DEPTH OF EXCAVATION. THE CONTRACTOR SHALL STAKE THE LIMIT OF ROOT PRUNING AS PER THE PLAN. LIMITS OF TRENCHING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY TRENCHING IN THE FIELD. DO NOT TRENCH FOR IRRIGATION OR ELECTRICAL WITHIN DRIP LINES OF EXISTING TREES. COORDINATE ALL TRENCHING REQUIRED FOR UTILITY WORK WITH THE LANDSCAPE PLANS.

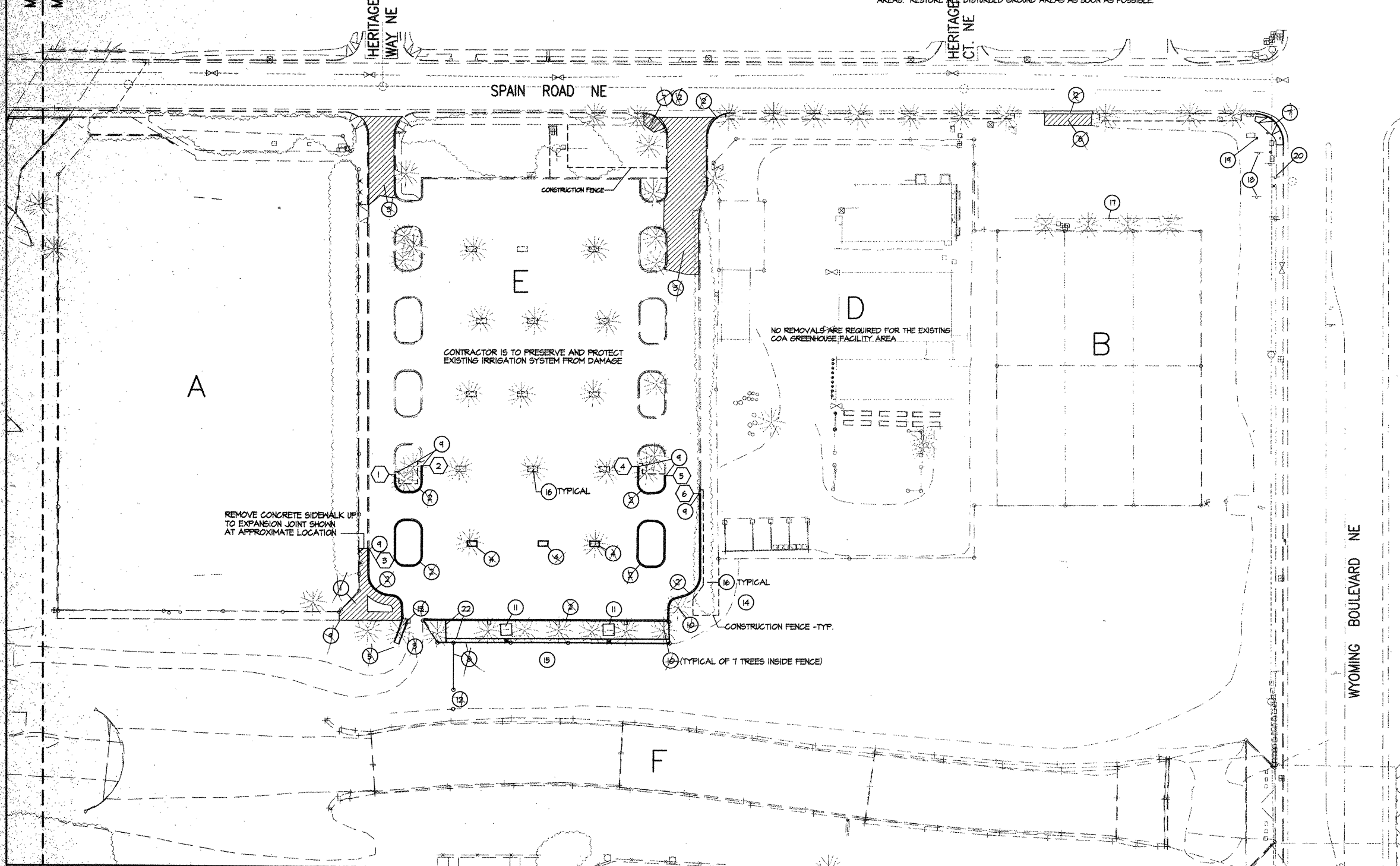
11. AVOID SOIL COMPACTION. THE BEST METHOD TO AVOID SOIL COMPACTION IS TO KEEP OFF. THIS INCLUDES RESTRICTING ALL TRAFFIC BOTH VEHICULAR AND PEDESTRIAN FROM CROSSING OVER THE ROOTS ZONES AND RESTRICTING EVEN TEMPORARY MATERIAL STORAGE UNDER TREES. PROVIDE HOOD MULCH TO A 4" DEPTH AROUND TREES AND IN SHRUB BEDS TO PROTECT EXISTING PLANTS FROM COMPACTION.
12. UNLESS OTHERWISE SHOWN ON THE PLANS, THE GROUND SURFACE WITHIN TREE PRESERVATION AREAS SHALL BE LEFT OR IF NECESSARILY RETURNED TO THE PRE-CONSTRUCTION CONDITION.
13. CONSTRUCTION SHALL BE EXECUTED IN A MANNER TO PROTECT TREE PRESERVATION AREAS. CONCRETE WASHOUT, BURNING AND OTHER ACTIVITIES SHOULD COMPLY WITH THE SPECIFICATIONS.
14. TREES AND SHRUBS TO BE REMOVED SHALL BE FLAGGED BEFORE REMOVAL WITH ORANGE RIBBON AND REVIEWED BY THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
15. WHERE CONSTRUCTION TRAFFIC WITHIN PRESERVATION AREAS IS UNAVOIDABLE AS CONCURRED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE, THE PROCEDURE FOR ACCESS OUTLINED IN THE SPECIFICATIONS SHALL BE FOLLOWED. REMOVE ALL MATERIALS AND RETURN AREA TO PRE-CONSTRUCTION CONDITION WITHIN ONE WEEK OF THE WORK.
16. REMOVE PROTECTIVE FENCING, DEBRIS, AND ALL SURPLUS CONSTRUCTION MATERIALS FROM SITE FOLLOWING CONSTRUCTION IN A MANNER THAT WILL NOT DAMAGE PRESERVATION AREAS. RESTORE DISTURBED GROUND AREAS AS SOON AS POSSIBLE.

AREA NOTES

- A EXISTING SOCCER FIELD
- B EXISTING TENNIS COURTS
- C EXISTING EMERGENCY ACCESS GATE
- D EXISTING COA GREENHOUSE FACILITY
- E EXISTING PARKING LOT
- F BEAR ARROYO
- G BEAR TRIBUTARY

KEYED NOTES

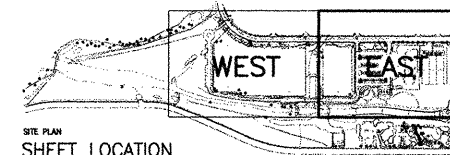
- 1 REMOVE CONCRETE WALK
- 2 REMOVE CONCRETE CURB AND GUTTER
- 3 REMOVE ASPHALTIC PAVEMENT
- 4 REMOVE CONCRETE CURB
- 5 REMOVE CONCRETE DEBRIS
- 6 REMOVE CONCRETE DRIVE APRON
- 7 REMOVE CONCRETE CORNER RAMP
- 8 REMOVE CHAIN LINK FENCE AND ALL CONCRETE
- 9 SAW-CUT CONCRETE
- 10 REMOVE EXISTING TREE
- 11 REMOVE AND SALVAGE EXISTING TABLE
- 12 REMOVE CONCRETE SLAB
- 13 REMOVE GATE
- 14 REMOVE CONCRETE RUN-DOWN
- 15 REMOVE AND STORE 6 BOULDERS FOR REUSE ON-SITE
- 16 LANDSCAPE ARCHITECT TO SELECT BOULDERS
- 17 REMOVE AND SALVAGE 2 BAR-B-QUES
- 18 PROTECT AND PRESERVE EXISTING TREES
- 19 REMOVE AND SALVAGE CAR STOPS
- 20 REMOVE "NO PARKING" SIGN AND SALVAGE
- 21 REMOVE POST AND FOOTING
- 22 REMOVE TENNIS FACILITY SIGN AND SALVAGE
- 23 PROTECT EXISTING TENNIS COURTS AND FENCING AT COURT PERIMETER FROM DAMAGE DURING CONSTRUCTION
- 24 REMOVE CONCRETE EDGING



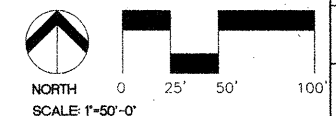
COORDINATE LEGEND

- | | | |
|---|-------------|--------------|
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| 3 | X=404525.40 | Y=1505418.85 |
| 4 | X=404554.85 | Y=1505470.41 |
| 5 | X=404584.75 | Y=1505462.42 |
| 6 | X=404614.12 | Y=1505447.46 |

NOTE: ALL FEATURES SHOWN IN HALFTONE ARE EXISTING CONDITIONS. SEE SHEET ECI FOR ADDITIONAL TOPOGRAPHIC DATA.



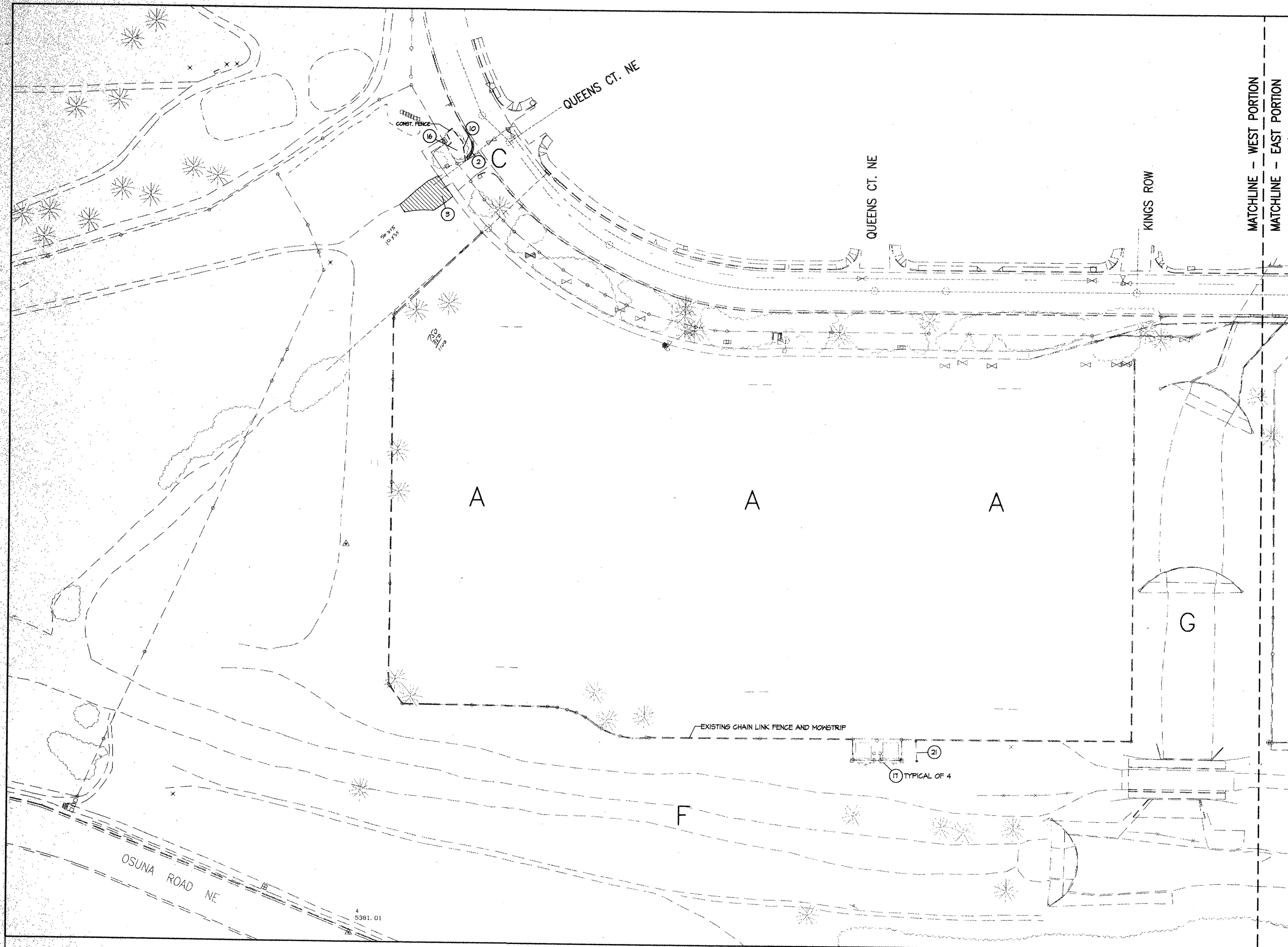
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	WORK	DATE	NO.	BY	NO.	BY		
WORKED BY	DATE	FIELD	DATE						
ACCEPTED BY	DATE	REVISIONS	DATE						
RECORDED BY	DATE	DESIGN	DATE						
MICRO-FILM INFORMATION		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK REMOVAL PLAN - EAST PORTION			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 4980.93		Zone Map No. F-19-Z	Sheet 5 of 41 R1



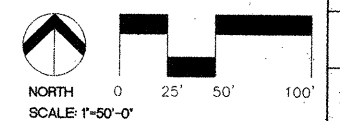
AREA NOTES

- A EXISTING SOCCER FIELD
- B EXISTING TENNIS COURTS
- C EXISTING EMERGENCY ACCESS GATE
- D EXISTING COA GREENHOUSE FACILITY
- E EXISTING PARKING LOT
- F BEAR ARROYO
- G BEAR TRIBUTARY

KEYED NOTES

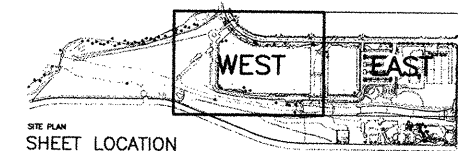
- (2) REMOVE CONCRETE CURB AND GUTTER
- (3) REMOVE ASPHALT PAVEMENT
- (10) REMOVE EXISTING TREE
- (16) PROTECT AND PRESERVE EXISTING TREES TO REMAIN
- (17) REMOVE AND SALVAGE CAR STOPS
- (21) REMOVE RAILING, POSTS, AND FOOTINGS

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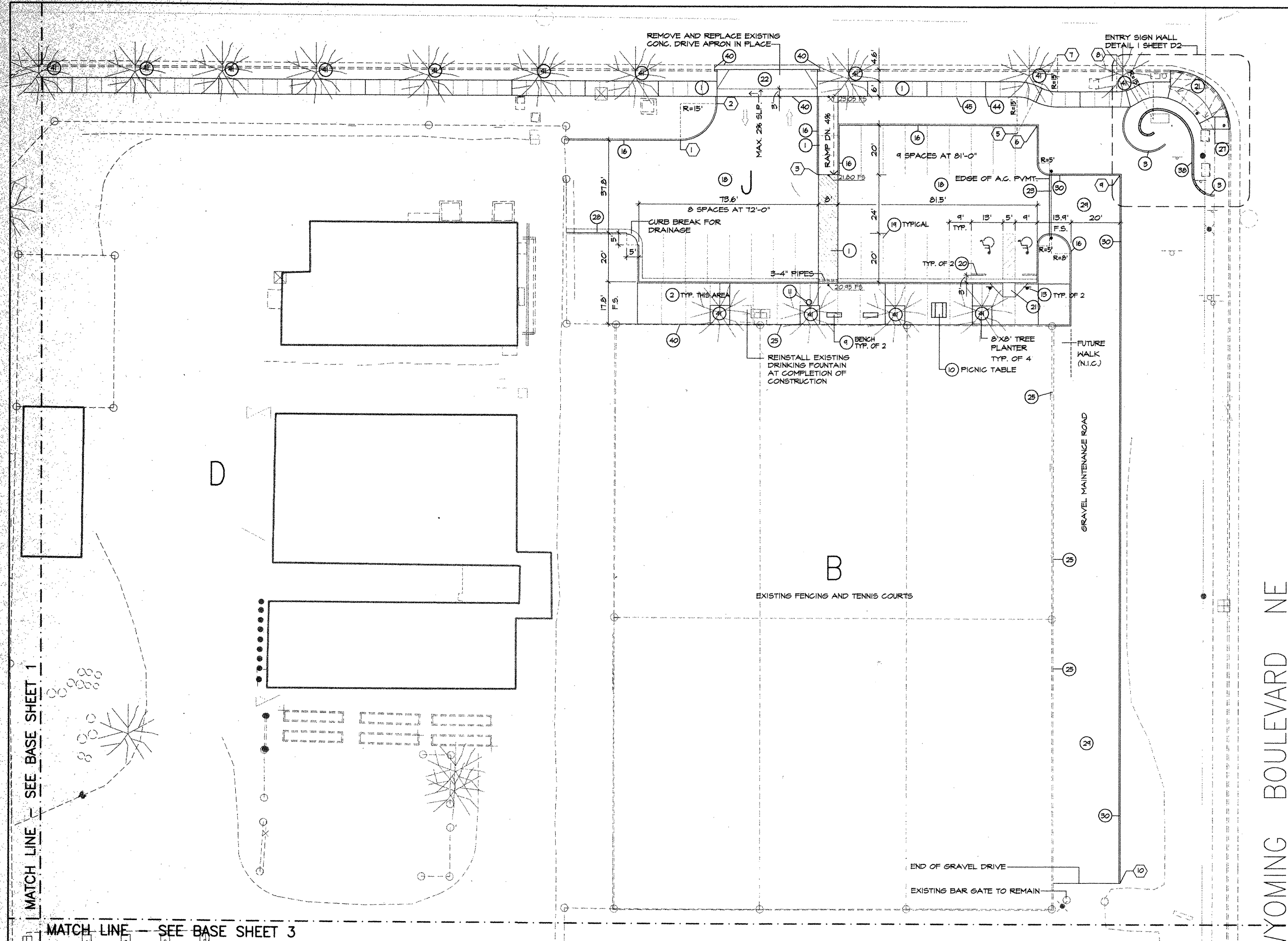
REFER TO SHEET R1 FOR PLANT PRESERVATION AND GENERAL REMOVAL NOTES

NOTE: ALL FEATURES SHOWN IN HALFTONE ARE EXISTING CONDITIONS. SEE SHEET EC2 FOR ADDITIONAL TOPOGRAPHIC DATA.



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY		
INSPECTOR	DATE	NO.	BY	NO.	BY		
FIELD	DATE	NO.	BY	NO.	BY		
VERIFY	DATE	NO.	BY	NO.	BY		
REVISION	DATE	NO.	BY	NO.	BY		
REVISION	DATE	NO.	BY	NO.	BY		
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK REMOVAL PLAN - WEST PORTION			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 4980.93		Zone Map No. F-19-Z	Sheet 6 Of 41
		Zone Map No. F-19-Z	Sheet R2



- AREA NOTES**
- A EXISTING SOCCER FIELD
 - B EXISTING TENNIS COURTS
 - C EXISTING EMERGENCY ACCESS GATE
 - D EXISTING COA GREENHOUSE FACILITY
 - E EXISTING PARKING LOT
 - F BEAR ARROYO
 - G BEAR TRIBUTARY
 - H PROPOSED PLAYGROUND
 - I PROPOSED RECREATION AREA
 - J PROPOSED PARKING LOT
 - K PROPOSED BASKETBALL COURT

- KEYED NOTES**
- 1 PROVIDE AND INSTALL CONCRETE WALK COA DETAILS 2430
 - 2 PROVIDE AND INSTALL COLORED CONCRETE DAVIS COLOR: HILLOW GREEN
 - 3 PROVIDE AND INSTALL EDGER CURB - COA DETAIL 2121
 - 4 PROVIDE AND INSTALL 6'-0" BENCH WITHOUT BACK DIMORE #103-SI-GREEN EXGERPLAY 505-2510151- DETAIL 1 SHEET D5
 - 5 PROVIDE AND INSTALL 6' ADA ACCESSIBLE TABLE - DIMORE #100-68PL-SI-GREEN EXGERPLAY 505-2510151- DETAIL 2 SHEET D4
 - 6 PROVIDE AND INSTALL TRASH RECEPTACLE 'RINCONADA III' BY MATERIALS, INC. 867-4085
 - 7 PROVIDE AND INSTALL HANDICAP PARKING SIGN
 - 8 PROVIDE AND INSTALL 6" STANDUP CURB - COA DETAIL 2415
 - 9 PROVIDE AND INSTALL ASPHALT PAVEMENT PER COA SPEC.
 - 10 PROVIDE AND INSTALL PAVEMENT PAINT STRIPING PER COA SPECIFICATIONS
 - 11 PROVIDE AND INSTALL 6'-0" CONCRETE WHEEL STOP
 - 12 PROVIDE AND INSTALL CONCRETE RAMP PER 60A DETAIL 2441, GASET SEE SHT. D2 DETAIL 1
 - 13 PROVIDE AND INSTALL CONCRETE DRIVE APRON PER COA DETAIL 2435
 - 14 PROVIDE AND INSTALL 12'-0" PIPE GATE PER COA DETAIL 2391
 - 15 EXISTING CHAINLINK FENCE TO REMAIN
 - 16 EXISTING CONCRETE WALK TO REMAIN
 - 17 PROVIDE AND INSTALL CURB AND GUTTER COA DETAIL 2415
 - 18 PROVIDE AND INSTALL CRUSHED GRAVEL MAINTENANCE ROAD - DETAIL 6 SHEET D4
 - 19 PROVIDE AND INSTALL CONCRETE HEADER CURB - COA DETAIL 2415
 - 20 PROVIDE AND INSTALL CONCRETE ENTRY SIGN WALL DETAILS 1 AND 3 SHEET D2
 - 21 JOIN SURFACES FLUSH
 - 22 PRESERVE AND PROTECT EXISTING VEGETATION
 - 23 PROVIDE AND INSTALL 1/2" EXPANSION JOINT IN CONCRETE
 - 24 PROVIDE AND INSTALL 1/4" TOOLED CONTROL JOINT IN CONCRETE

NOTE:
REFER TO SHEET L1 FOR GENERAL LAYOUT NOTES

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SCALE: 1"=20'-0"

LANDSCAPE ARCHITECT'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY: RB / NSP DATE: APRIL 1999
DRAWN BY: RB DATE: SEP 1999
CHECKED BY: KB DATE: SEP 17, 1999

COORDINATE LEGEND

1	X = 409903.01 Y = 1506252.71	10	X = 410083.66 Y = 1506448.36
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5	X = 410040.29 Y = 1506215.02		
6	X = 410044.12 Y = 1506254.01		
7	X = 410051.40 Y = 1506281.78		
8	X = 410081.80 Y = 1506281.74		
9	X = 410083.01 Y = 1506294.04		



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
CONSTRUCTION LAYOUT PLAN - SHEET 2

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4980.93 Zone Map No. F-19-Z Sheet 8 of 41

2240
240
172
303
824

EXISTING BAR GATE TO REMAIN

WALK DETAIL 2
SHEET D2

88 MAX

PLANTING AREA

R=122.5

15.54 FS

ASPHALT PAVEMENT

213
240
463 x 1/50

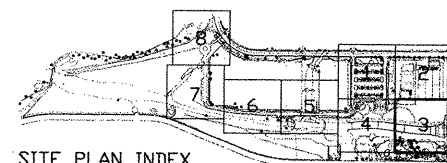
WYOMING

MATCH LINE - SEE BASE SHEET 2

MATCH LINE - SEE BASE SHEET 4

MATCH LINE - SEE BASE SHEET 5

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5	X = 410043.74	Y = 1505730.71			
6	X = 410090.26	Y = 1505743.05			
7	X = 410108.66	Y = 1505744.94			
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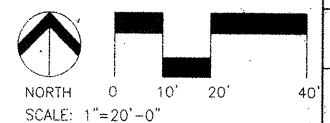
SITE PLAN INDEX

- A EXISTING SOCCER FIELD
- B EXISTING TENNIS COURTS
- C EXISTING EMERGENCY ACCESS GATE
- D EXISTING COA GREENHOUSE FACILITY
- E EXISTING PARKING LOT
- F BEAR ARROYO
- G BEAR TRIBUTARY
- H PROPOSED PLAYGROUND
- I PROPOSED RECREATION AREA
- J PROPOSED PARKING LOT
- K PROPOSED BASKETBALL COURT
- L FUTURE TENNIS COURTS

- (1) PROVIDE AND INSTALL CONCRETE WALK COA DETAILS 2400
- (3) PROVIDE AND INSTALL EDGER CURB - COA DETAIL 2121
- (10) PROVIDE AND INSTALL 6 ADA ACCESSIBLE TABLE - DIMORE #100-60PL-SI-GREEN EXCEPT 505-2810191- DETAIL T SHEET D4
- (18) PROVIDE AND INSTALL ASPHALT PAVEMENT PER COA DETAIL 2405
- (25) EXISTING CHAINLINK FENCE TO REMAIN
- (27) EXISTING CONCRETE WALK TO REMAIN
- (36) PROVIDE AND INSTALL PICNIC SHELTER - DETAIL 4 SHEET D2
- (40) JOIN SURFACES FLUSH
- (44) PROVIDE AND INSTALL 1/2" EXPANSION JOINT IN CONCRETE
- (45) PROVIDE AND INSTALL 1/4" TOOLED CONTROL JOINT IN CONCRETE

NOTE:
REFER TO SHEET LI FOR GENERAL LAYOUT NOTES

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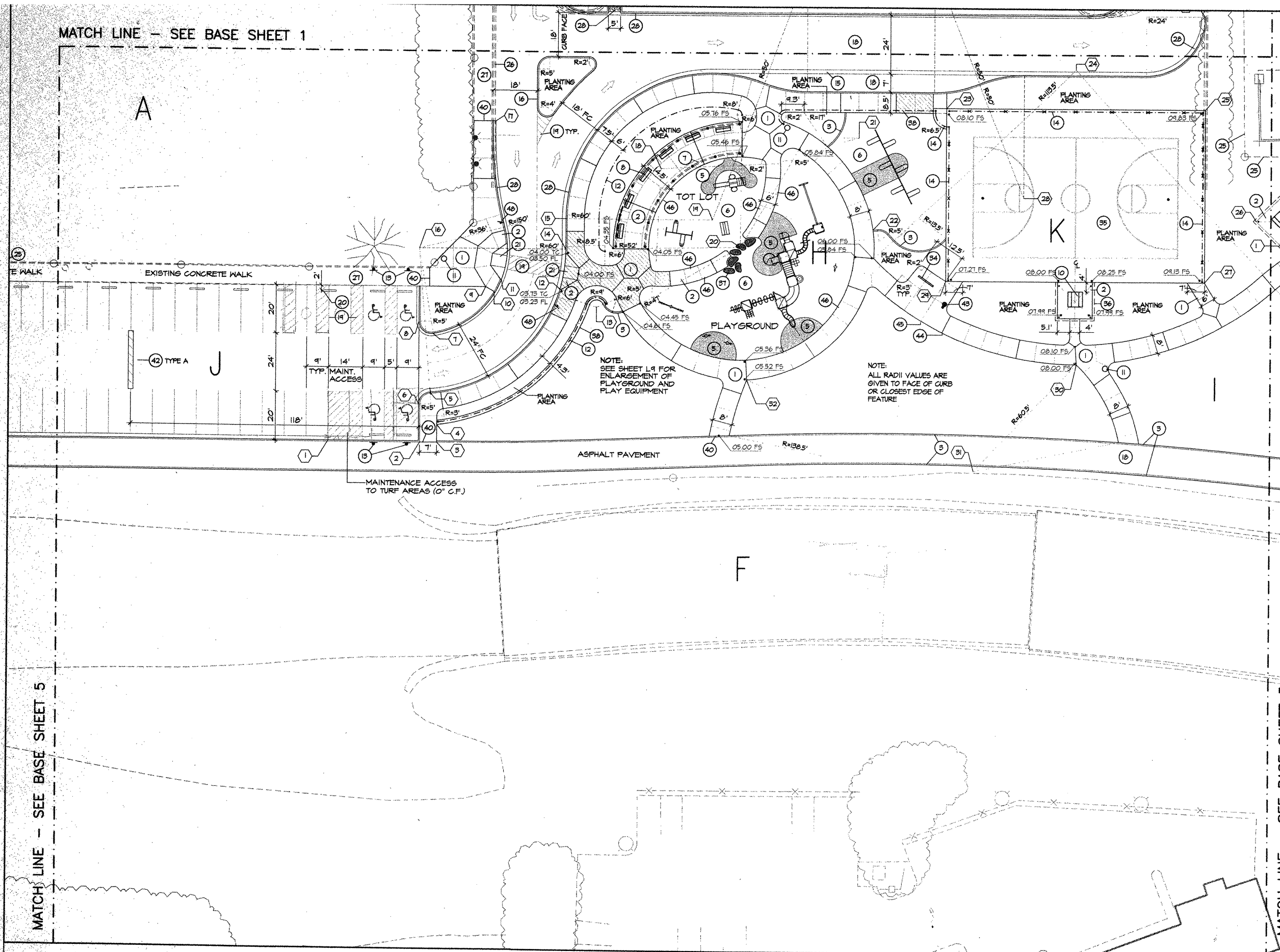


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
CONSTRUCTION LAYOUT PLAN - SHEET 3

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	4980.93	Zone Map No. F-19-Z	Sheet L3	9 of 41

MATCH LINE — SEE BASE SHEET 1



AREA NOTES

- A EXISTING SOCCER FIELD
- B EXISTING TENNIS COURTS
- C EXISTING EMERGENCY ACCESS GATE
- D EXISTING COA GREENHOUSE FACILITY
- E EXISTING PARKING LOT
- F BEAR ARROYO
- G BEAR TRIBUTARY
- H PROPOSED PLAYGROUND
- I PROPOSED RECREATION AREA
- J PROPOSED PARKING LOT
- K PROPOSED BASKETBALL COURT

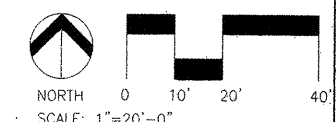
KEYED NOTES

- 1 PROVIDE AND INSTALL CONCRETE WALK COA DETAILS 2450
- 2 PROVIDE AND INSTALL COLORED CONCRETE DAVIS COLOR: TERRA COTTA
- 3 PROVIDE AND INSTALL EDGER CURB - COA DETAIL 2121
- 4 PROVIDE AND INSTALL RESILIENT SURFACING DETAILS 6,7, SHEET D3
- 5 PROVIDE AND INSTALL 12" DEEP CLEAN MASONRY SAND
- 6 PROVIDE AND INSTALL PERGOLA - DETAILS 1 - 5 SHEET D3
- 7 PROVIDE AND INSTALL:
8 BENCH WITH BACK - DUMORE #86-SI-GREEN EXCELPAY 505-22(10)SI- DETAIL 1 SHEET D3
- 9 PROVIDE AND INSTALL TABLE - DUMORE #100-68PL-SI-GREEN EXCELPAY 505-22(10)SI- DETAIL 8 SHEET D4
- 10 PROVIDE AND INSTALL TRASH RECEPTACLE "RINCONADA III" BY MATERIALS, INC. 861-4055
- 11 PROVIDE AND INSTALL ORNAMENTAL STEEL FENCE DETAIL 7 SHEET D4
- 12 PROVIDE AND INSTALL HANDICAP PARKING SIGN
- 13 PROVIDE AND INSTALL VINYL COATED CHAINLINK FENCE DETAIL 1 SHEET D4
- 14 PROVIDE AND INSTALL CONCRETE ALLEY GUTTER COA DETAIL 2415
- 15 PROVIDE AND INSTALL ASPHALT PAVEMENT PER COA DETAIL 2408
- 16 PROVIDE AND INSTALL PAVEMENT PAINT STRIPING PER COA SPECIFICATIONS
- 17 PROVIDE AND INSTALL 6'-0" CONCRETE WHEEL STOP
- 18 PROVIDE AND INSTALL CONCRETE RAMP COA DETAIL 2441, CASE 1
- 19 EXISTING CHAINLINK FENCE TO REMAIN
- 20 EXISTING CONCRETE CURB AND GUTTER TO REMAIN
- 21 EXISTING CONCRETE WALK TO REMAIN
- 22 PROVIDE AND INSTALL CURB AND GUTTER COA DETAIL 2415
- 23 PROVIDE AND INSTALL CONCRETE HEADER CURB - COA DETAIL 2415
- 24 PORTABLE TOILET BY OTHERS
- 25 PROVIDE AND INSTALL BICYCLE RACK DETAIL 3 SHEET D4
- 26 PROVIDE AND INSTALL BASKETBALL COURT DETAIL 3 AND 4 SHEET D5
- 27 PROVIDE AND INSTALL PICNIC SHELTER - DETAIL 4 SHEET D2
- 28 RELOCATE EXISTING Boulders - DETAIL 3 SHEET D4
- 29 PROVIDE AND INSTALL CONCRETE MONSTRIIP PER COA STD. DETAIL 2125
- 30 JOIN SURFACES FLUSH
- 31 PRESERVE AND PROTECT EXISTING VEGETATION
- 32 PROVIDE AND INSTALL A.C. SPEED HUMP-DETAIL 4 SHEET D4
- 33 PROVIDE AND INSTALL DRINKING FOUNTAIN - DETAIL 2 SHEET D4
- 34 PROVIDE AND INSTALL 1/2" EXPANSION JOINT IN CONCRETE
- 35 PROVIDE AND INSTALL 1/4" TOOLED CONTROL JOINT IN CONCRETE
- 36 PROVIDE AND INSTALL TURNED DOWN SLAB-COA DETAIL 2128, TURN DOWN OCCURS ON BOTH SIDES OF WALK, MAKE HORIZ. REBAR CONTINUOUS TO EACH SIDE.
- 37 PROVIDE AND INSTALL SIGN 5-1 (PEDESTRIAN CROSSING)

 DENOTES 6" THICK CONCRETE PAVING.

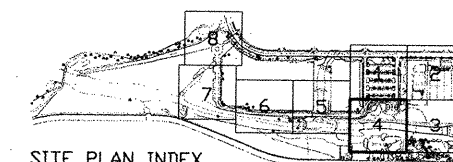
NOTE:
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COORDINATE LEGEND

①	X = 404256.19	Y = 1505710.53	⑩	X = 404323.81	Y = 1505832.55	⑱	X = 404413.14	Y = 1505863.34	⑲	X = 404540.64	Y = 1505873.42
②	X = 404213.19	Y = 1505710.55	⑪	X = 404326.73	Y = 1505837.48	⑳	X = 404424.55	Y = 1505851.94	㉑	X = 404508.26	Y = 1505838.40
③	X = 404300.64	Y = 1505710.62	⑫	X = 404350.81	Y = 1505833.25	㉒	X = 404473.12	Y = 1505847.40	㉓	X = 404562.61	Y = 1505804.14
④	X = 404300.64	Y = 1505711.32	⑬	X = 404365.91	Y = 1505826.53	㉔	X = 404479.02	Y = 1505859.55	㉕	X = 404520.68	Y = 1505760.24
⑤	X = 404241.83	Y = 1505740.12	⑭	X = 404365.84	Y = 1505850.47	㉖	X = 404508.22	Y = 1505944.10	㉗	X = 404427.56	Y = 1505797.02
⑥	X = 404213.68	Y = 1505785.63	⑮	X = 404353.64	Y = 1505863.31	㉘	X = 404561.21	Y = 1505425.67			
⑦	X = 404202.84	Y = 1505815.40	⑯	X = 404213.14	Y = 1505820.43	㉙	X = 404614.21	Y = 1505940.96			
⑧	X = 404213.16	Y = 1505819.84	⑰	X = 404323.11	Y = 1505903.31	㉚	X = 404635.26	Y = 1505864.37			
⑨	X = 404320.55	Y = 1505854.57	⑱	X = 404341.97	Y = 1505848.43	㉛	X = 404614.25	Y = 1505838.46			



SITE PLAN INDEX

CONTRACTOR		AS-BUILT INFORMATION	
WORKED BY	DATE	WORKED BY	DATE
INSPECTOR'S FIELD	DATE	INSPECTOR'S FIELD	DATE
VERIFICATION BY	DATE	VERIFICATION BY	DATE
CORRECTED BY	DATE	CORRECTED BY	DATE
RECORDED BY	DATE	RECORDED BY	DATE
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
NO.		NO.	

LANDSCAPE ARCHITECT'S SEAL		SURVEY INFORMATION		BENCH MARKS	
NO.		BY		DATE	
REMARKS		BY			
DESIGN		DATE		APRIL 1999	
DRAWN BY		DATE		SEP 1999	
CHECKED BY		DATE		SEP 17 1999	

DESIGN REVISIONS

NO.	DATE	REMARKS	BY
-----	------	---------	----

DESIGNED BY RB / WSP

DRAWN BY RB

CHECKED BY KB

DEL OSO PARK

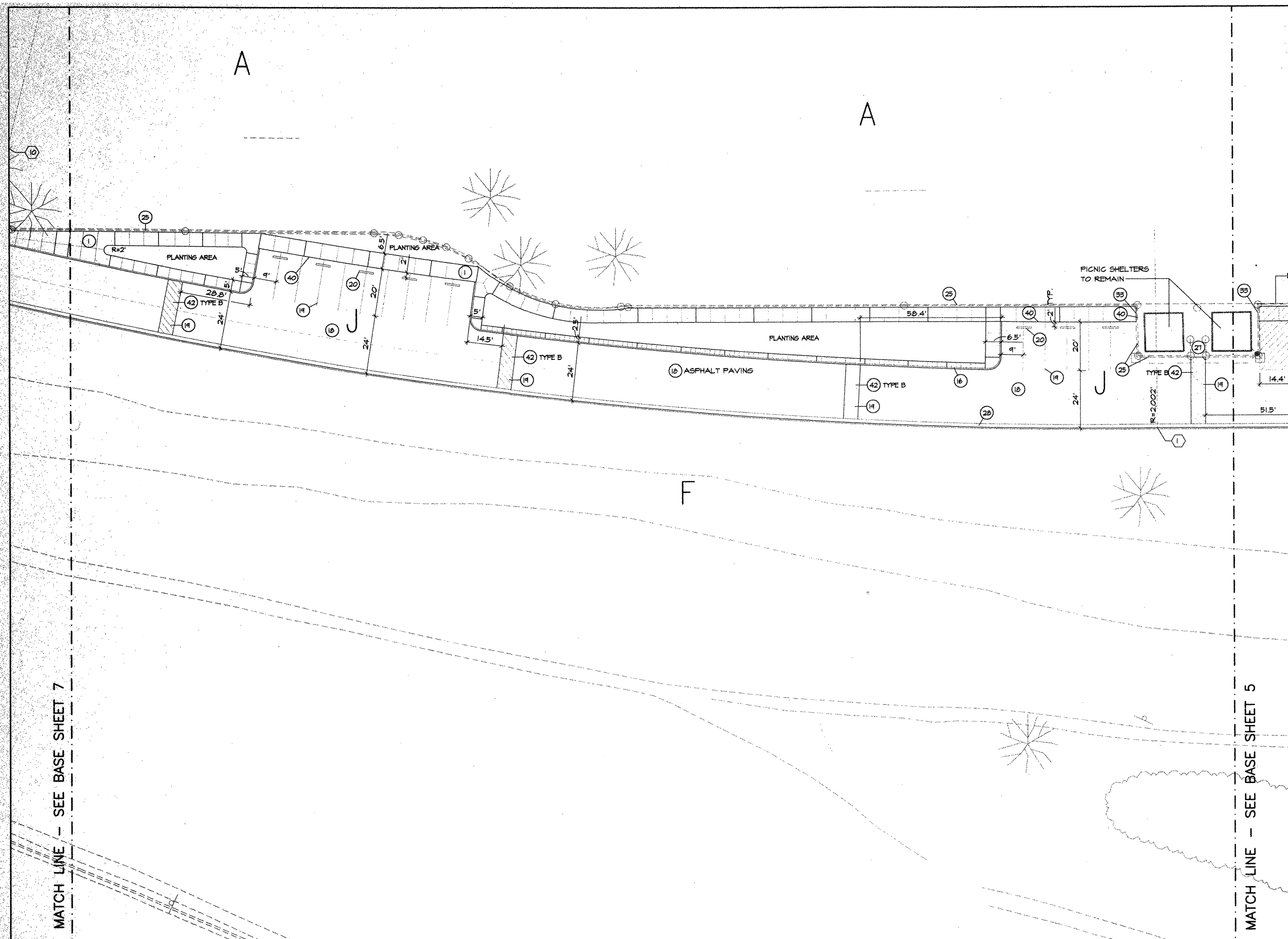
- SHEET 4

Mo./Day/Yr.

Mo./Day/Yr.

Sheet L4

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AREA NOTES

- A EXISTING SOCCER FIELD
- B EXISTING TENNIS COURTS
- C EXISTING TENNIS ACCESS GATE
- D EXISTING COA GREENHOUSE FACILITY
- E EXISTING PARKING LOT
- F BEAR ARROYO
- G BEAR TRIBUTARY
- H PROPOSED PLAYGROUND
- I PROPOSED RECREATION AREA
- J PROPOSED PARKING LOT
- K PROPOSED BASKETBALL COURT

KEYED NOTES

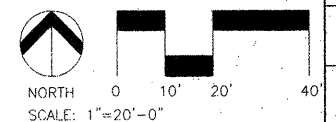
- 1 PROVIDE AND INSTALL CONCRETE WALK COA DETAIL 2430, 2120.
- 2 PROVIDE AND INSTALL EDGER CURB - COA DETAIL 2127
- 11 PROVIDE AND INSTALL TRASH RECEPTACLE "RINCONADA III" BY MATERIALS, INC. 86T-4035
- 13 PROVIDE AND INSTALL HANDICAP PARKING SIGN
- 16 PROVIDE AND INSTALL 6" STANDUP CURB - COA DETAIL 2415
- 16 PROVIDE AND INSTALL ASPHALT PAVEMENT PER COA STD. DETAIL 2408
- 19 PROVIDE AND INSTALL PAVEMENT PAINT STRIPING PER COA SPECIFICATIONS
- 20 PROVIDE AND INSTALL 6'-0" CONCRETE WHEEL STOP
- 28 EXISTING CHAINLINK FENCE TO REMAIN
- 27 EXISTING CONCRETE WALK TO REMAIN
- 28 PROVIDE AND INSTALL CURB AND GUTTER COA DETAIL 2415
- 33 INST. 4'-0" OPENING IN EXISTING CHAIN LINK FENCE - COA DETAIL 2252
- 40 JOIN SURFACES FLUSH
- 42 PROVIDE AND INSTALL A.C. SPEED HUMP-DETAIL 4 SHEET D4
- 44 PROVIDE AND INSTALL 1/2" EXPANSION JOINT IN CONCRETE
- 48 PROVIDE AND INSTALL 1/4" TOOLED CONTROL JOINT IN CONCRETE

 DENOTES 6" THICK CONCRETE PAVING.

NOTE:
REFER TO SHEET LI FOR GENERAL LAYOUT NOTES

DESIGNWORKSHOP

901 Rio Grande NW
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87104
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(Fax) 505.243.8337



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
CONSTRUCTION LAYOUT PLAN SHEET 6

Design Review Committee	City Engineer Approval
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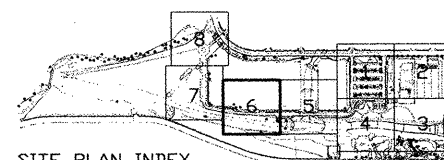
City Project No.	4980.93
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Zone Map No.
F-19-Z

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6

COORDINATE LEGEND

1 X = 408626.86 Y = 1505790.84



SITE PLAN INDEX

This is a detailed site plan of a park area. The plan features a main path that runs horizontally across the top and then curves downwards on the right side. Several planting areas are designated, some with specific dimensions and radii (e.g., R=5', R=9', R=40', R=64', R=1970', R=2002'). Various numbered markers (1 through 25) are placed throughout the plan, likely indicating specific trees or features. A dashed line on the right side is labeled "MATCH LINE - SEE BASE SHEET". The plan also includes a note: "SYMBOL INDICATES COURSE BRUSH FINISH IN DIRECTION OF LINES".

1	X = 408067.52	Y = 1506147.11	10	X = 408151.65	Y = 1509408.08
2	X = 408151.54	Y = 1506103.23	11	X = 408156.74	Y = 1509485.84
3	X = 408067.55	Y = 1506049.11			
4	X = 408067.60	Y = 1509444.11			
5	X = 408151.60	Y = 1508446.14			
6	X = 408067.65	Y = 1509411.35			
7	X = 408087.13	Y = 1508404.97			
8	X = 408087.67	Y = 1508406.48			
9	X = 408151.65	Y = 1509411.34			

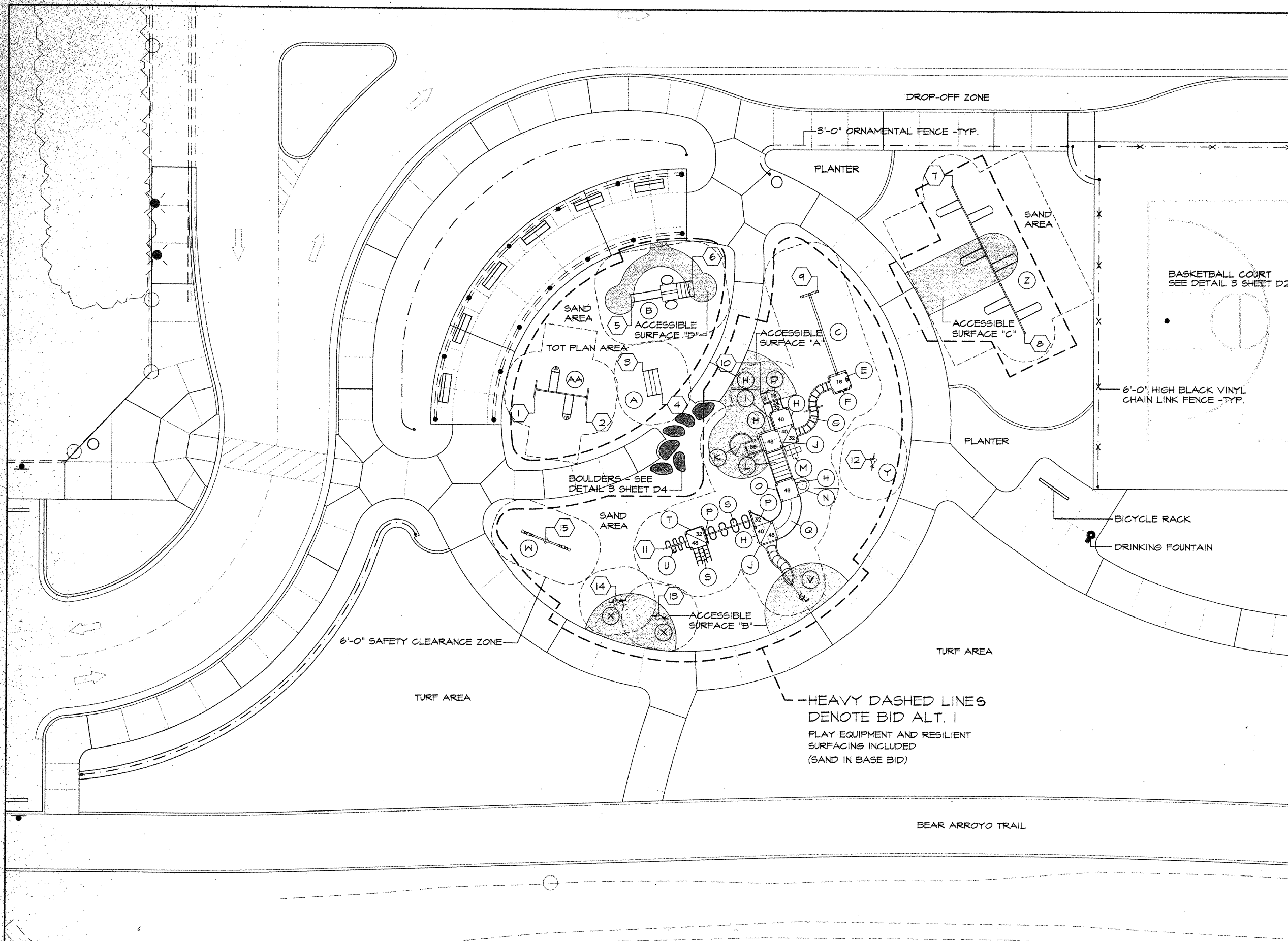


A EXISTING SOCCER FIELD
B EXISTING TENNIS COURTS
C EXISTING EMERGENCY ACCESS GATE
D EXISTING COA GREENHOUSE FACILITY
E EXISTING PARKING LOT
F BEAR ARROYO
G BEAR TRIBUTARY
H PROPOSED PLAYGROUND
I PROPOSED RECREATION AREA
J PROPOSED PARKING LOT
K PROPOSED BASKETBALL COURT

- (1) PROVIDE AND INSTALL CONCRETE WALK
COA DETAILS 2430
- (11) PROVIDE AND INSTALL TRASH RECEPTACLE
"RINCONADA III" BY MATERIALS, INC. 861-4035
- (13) PROVIDE AND INSTALL HANDICAP PARKING SIGN.
- (16) PROVIDE AND INSTALL 6" STANDUP CURB - COA DETAIL 2415
- (19) PROVIDE AND INSTALL ASPHALT PAVEMENT PER COA STD.
DETAIL 2405
- (19) PROVIDE AND INSTALL PAVEMENT PAINT STRIPING
PER COA SPECIFICATIONS
- (20) PROVIDE AND INSTALL 6'-0" CONCRETE WHEEL STOP
- (21) PROVIDE AND INSTALL CONCRETE RAMP
PER COA DETAIL 2441, CASE
- (22) PROVIDE AND INSTALL CONCRETE DRIVE APRON
PER COA DETAIL 2425
- (22) PROVIDE AND INSTALL 12'-0" PIPE GATE
PER COA DETAIL 2391
- (25) EXISTING CHAINLINK FENCE TO REMAIN
- (26) PROVIDE AND INSTALL CURB AND GUTTER
COA DETAIL 2415
- (31) PROVIDE AND INSTALL CMU WALL
DETAIL TO SHEET D3
- (32) PORTABLE TOILET BY OTHERS
- (40) JOIN SURFACES FLUSH
- (42) PROVIDE AND INSTALL A.C. SPEED HUMP-DETAIL 4 SHEET D4
- (44) PROVIDE AND INSTALL 1/2" EXPANSION JOINT IN CONCRETE
- (45) PROVIDE AND INSTALL 1/4" TOOLED CONTROL JOINT IN CONCRETE

NOTE:
REFER TO SHEET LI FOR GENERAL LAYOUT NOTES

TITLE: PHASE 1 IMPROVEMENTS – ARROYO DEL OSO PARK CONSTRUCTION LAYOUT PLAN SHEET 7				
Design Review Committee	City Engineer Approval	Local Design Update	Ms./Day/Yr.	Ms./Day/Yr.
City Project No.	4980.93	Zone Map No. F-19-Z	Sheet L7	13 of 41



PLAY EQUIPMENT LIST

CARAVAN - EXPRESSIVE INDUSTRIES, SANTA FE, (800) 448-0429

- A 30923 - CAT/BEAR DEN
- B 30911 - CASTLE

LANDSCAPE STRUCTURES INC.
PLAYSTRUCTURE 1503203A
EXERPLAY, ALBUQUERQUE, (505) 281-0151

- C CURVED TRACKRIDE
- D CURVED TRANSFER MODULE
- E PERISCOPE PANEL
- F PILOT PANEL
- G HORIZONTAL LADDER
- H ZOO PANEL
- I STORE FRONT PANEL (BELOW DECK)
- J SQUARE POLY ROOF (ABOVE)
- K 56" SPYROSLIDE
- L 84" CLATTERBRIDGE
- M BLOCK CLIMBER
- N SAND AND WATER PANEL (BELOW DECK)
- O SOUND CHIMES PANEL
- P VERTICAL LADDER
- Q CURVED BRIDGE
- R SINGLE BEAM LOOP
- S 48" DECK CHAIN LADDER
- T BLOCK IMAGE PANEL
- U CENTIPEDE CLIMBER
- V SLIDEMINDER

LANDSCAPE STRUCTURES INC.
INDEPENDENT PLAY EQUIPMENT
EXERPLAY, ALBUQUERQUE, (505) 281-0151

- W SPRING SEE SAW
- X TUFFRIDER - HORSE
- Y TUFFRIDER - BIRD
- Z 6 PLACE SINGLE POST SWING
- AA 100048 - 2 PLACE ARCH TOT SWING

BOULDER PLACEMENT NOTE

THE EXACT PLACEMENT OF BOULDERS WILL DEPEND ON THE ACTUAL SHAPE AND SIZE OF ROCKS. PLACEMENT WILL DETERMINE THE SHAPE OF THE EDGE OF THE ADJACENT CONCRETE WALK NEAREST THE ROCKS. BOULDER PLACEMENT SHALL BE DIRECTED IN THE FIELD BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR IS TO CONTACT THE LANDSCAPE ARCHITECT ARCHITECT WITH ADEQUATE LEAD TIME PRIOR TO THE TIME OF PLACEMENT.

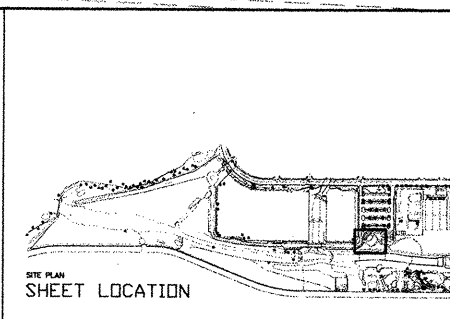
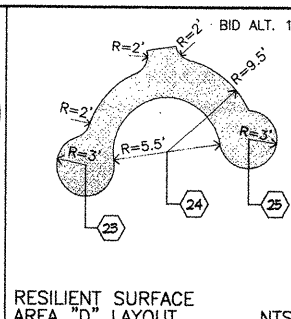
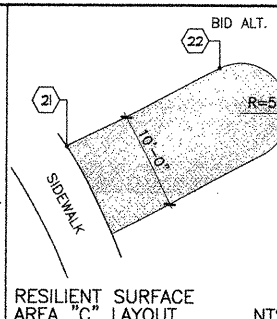
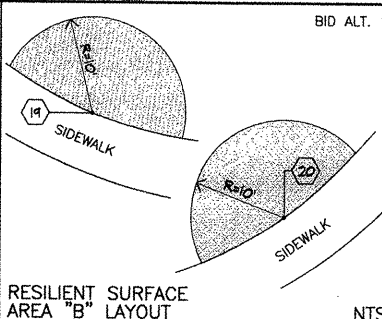
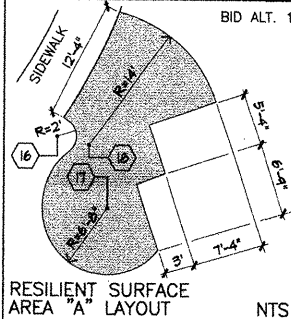
DESIGNWORKSHOP

901 Rio Grande NW
Suite E130
Albuquerque, NM 87104
(Tel.) 505.243.8333
(Fax) 505.243.8337



COORDINATE LEGEND

1 X=40943.86 Y=150585.61	10 X=40944.05 Y=150585.13	19 X=40943.78 Y=150580.73
2 X=40940.43 Y=150585.01	11 X=40942.50 Y=150582.52	20 X=40945.14 Y=150581.22
3 X=40941.18 Y=150586.23	12 X=40943.64 Y=150584.17	21 X=40946.48 Y=150582.43
4 X=40942.19 Y=150585.12	13 X=40941.55 Y=150581.14	22 X=40948.41 Y=150584.24
5 X=40943.24 Y=150586.61	14 X=40941.83 Y=150581.12	
6 X=40942.18 Y=150580.21	15 X=40943.31 Y=150582.10	
7 X=40941.14 Y=150580.45	16 X=40943.28 Y=150584.12	
8 X=40944.73 Y=150581.24	17 X=40943.54 Y=150584.10	
9 X=40943.04 Y=150581.34	18 X=40943.58 Y=150583.21	



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
PLAYGROUND LAYOUT PLAN

Design Review Committee City Engineer Approval

Ms./Day/Yr.	Ms./Day/Yr.

City Project No. 4980.93 Zone Map No. F-19-Z

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19

KEYED NOTES:

- EXISTING TENNIS COURT TO REMAIN.
- EXISTING GREENHOUSE TO REMAIN.
- EXISTING PAVED AREA TO BE REPAVED.
- EXISTING SOCCER FIELD TO REMAIN.
- BEAR TRIB ARROYO.
- NEW PAVED PARKING.
- SEE SHEET G2.
- SEE SHEET G2.
- NEW PLAY AREA.
- CONSTRUCT NEW TYPE "D" CATCH BASIN.
N 1505902.09
E 409868.19
GRATE= 5416.50
INV (OUT)= 5414.00
- INSTALL 110 LF 18" CLASS IV
RCP @ S=0.0200 ft/ft
- CONSTRUCT NEW TYPE "D" CATCH BASIN.
N 1505793.04
E 409868.35
GRATE= 5414.75
INV (IN)= 5411.71
INV (OUT)= 5411.61
- INSTALL 86 LF 24" CLASS IV
RCP @ S=0.0210 ft/ft
- OUTLET TO ARROYO
N 1505707.07
E 409868.47
INV(OUT)= 5409.80
SEE DETAIL A ON SHEET D6
- CONSTRUCT NEW TYPE "D" CATCH BASIN.
N 1505825.66
E 409536.04
GRATE= 5406.80
INV (OUT)= 5404.75

- INSTALL 30 LF 18" CLASS IV
RCP @ S=0.0060 ft/ft
- WYE CONNECTION
N 1505794.43
E 409536.08
INV= 5404.57
- INSTALL 54 LF 18" CLASS IV
RCP @ S=0.0280 ft/ft
- OUTLET TO ARROYO
N 1505742.97
E 409536.16
INV(OUT)= 5403.08
SEE DETAIL A ON SHEET D6
- CONSTRUCT NEW TYPE "D" CATCH BASIN.
N 1505796.60
E 409596.43
GRATE= 5407.80
INV(OUT)= 5406.02
- INSTALL 61 LF 18" CLASS IV
RCP @ S=0.0240 ft/ft
- CONSTRUCT NEW TYPE "A" CATCH BASIN.
N 1505959.67
E 409325.73
GRATE= 5405.50
INV(OUT)= 5400.75
- INSTALL 155 LF 18" CLASS IV
RCP @ S=0.0160 ft/ft
- CONSTRUCT NEW TYPE "A" CATCH BASIN.
N 1505804.80
E 409326.67
GRATE= 5402.35
INV(IN)= 5398.27
INV(OUT)= 5398.17
- INSTALL 27 LF 24" CLASS IV
RCP @ S=0.0350 ft/ft

- CONSTRUCT NEW TYPE "D" CATCH BASIN.
N 1505778.00
E 409328.01
GRATE= 5400.75
INV(IN)= 5397.23
INV(OUT)= 5397.13
- INSTALL 49 LF 30" CLASS IV
RCP @ S=0.0060 ft/ft
- OUTLET TO ARROYO
N 1505730.27
E 409319.93
INV(OUT)= 5396.84
SEE DETAIL B ON SHEET D6
- CONSTRUCT NEW TYPE "A" CATCH BASIN.
N 1505773.79
E 409053.86
GRATE= 5394.60
INV(OUT)= 5391.60
- INSTALL 29 LF 18" CLASS IV
RCP @ S=0.0200 ft/ft
- OUTLET TO ARROYO
N 1505744.96
E 409053.90
INV(OUT)= 5391.02
SEE DETAIL D ON SHEET D6
- MATCH GRADES AT EXISTING BRIDGE

NOTE:
SEE ARCHITECTURAL SHEETS
FOR SITE IMPROVEMENTS &
LAYOUT OF IMPROVEMENTS

SPOT DATA

SPOT#	NORTHING	EASTING	ELEV.	DESC.
1	1505826.05	409049.89	5397.00	MATCH EXISTING
2	1505813.91	409034.42	5396.00	MATCH EXISTING
3	1505782.55	409049.18	5395.00	L.G.
4	1505770.53	409075.78	5395.00	L.G.
5	1505769.94	409083.28	5396.00	T.C.
6	1505757.94	409101.29	5396.00	T.C.
7	1505757.53	409110.78	5396.00	L.G.
8	1505834.52	409056.96	5398.00	MATCH EXISTING
9	1505834.08	409123.35	5399.00	MATCH EXISTING
10	1505834.19	409190.87	5400.00	MATCH EXISTING
11	1505834.26	409242.50	5401.00	MATCH EXISTING
12	1505866.46	409326.34	5404.00	L.G.
13	1505864.44	409331.15	5404.00	L.G.
14	1505781.87	409331.88	5402.00	T.G.
15	1505774.12	409331.88	5402.00	T.G.
16	1505770.56	409302.95	5402.00	T.C.
17	1505758.07	409311.29	5402.00	T.C.
18	1505904.98	409323.11	5405.00	MATCH EXISTING
19	1505947.28	409371.40	5405.00	L.G.
20	1505919.46	409391.50	5405.00	L.G.
21	1505878.44	409398.02	5405.00	T.C.
22	1505887.84	409435.31	5405.00	T.C.
23	1505856.65	409425.53	5405.00	T.C.
24	1505855.53	409432.11	5405.00	T.C.
25	1505874.41	409439.92	5405.00	T.C.
26	1505805.24	409419.20	5405.00	T.C.
27	1506010.38	409323.04	5406.00	MATCH EXISTING
28	1506017.46	409347.18	5406.00	MATCH EXISTING
29	1506038.35	409370.01	5406.00	MATCH EXISTING
30	1505970.10	409420.59	5406.00	MATCH EXISTING
31	1505947.85	409408.14	5406.00	T.C.
32	1505947.30	409429.35	5406.00	L.G.
33	1505923.36	409441.61	5406.00	L.G.
34	1505918.01	409438.98	5406.00	L.G.
35	1505908.87	409461.67	5407.00	T.C.
36	1505906.50	409430.94	5406.00	T.C.
37	1505842.68	409470.63	5406.00	T.C.
38	1505813.49	409451.58	5406.00	T.C.

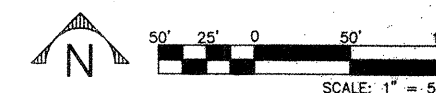
SPOT DATA

SPOT#	NORTHING	EASTING	ELEV.	DESC.
39	1506082.74	409322.96	5407.00	MATCH EXISTING
40	1506082.72	409346.70	5407.00	MATCH EXISTING
41	1506109.92	409369.81	5407.00	MATCH EXISTING
42	1505902.40	409509.83	5408.00	T.C.
43	1505838.90	409509.83	5407.00	T.C.
44	1505813.19	409515.78	5407.00	T.C.
45	1505823.23	409490.93	5407.00	T.G.
46	1505804.14	409561.25	5408.00	T.C.
47	1505806.06	409531.38	5408.00	T.G.
48	1506146.41	409322.99	5408.00	MATCH EXISTING
49	1506146.41	409346.56	5408.00	MATCH EXISTING
50	1506169.86	409370.20	5408.00	MATCH EXISTING
51	1506200.98	409323.63	5409.00	MATCH EXISTING
52	1506203.03	409331.83	5409.00	MATCH EXISTING
53	1506202.59	409364.43	5409.00	MATCH EXISTING
54	1506161.96	409443.84	5409.00	T.A.
55	1505985.50	409562.52	5409.00	MATCH EXISTING
56	1505957.32	409583.60	5409.00	MATCH EXISTING
57	1505927.24	409603.36	5409.00	L.G.
58	1505922.94	409575.96	5409.00	T.C.
59	1505909.88	409565.71	5409.00	T.C.
60	1505828.43	409613.93	5409.00	T.C.
61	1505810.94	409609.72	5409.00	T.G.
62	1505780.96	409608.68	5409.00	T.G.
63	1506222.56	409464.57	5410.00	MATCH EXISTING
64	1506051.78	409575.10	5410.00	MATCH EXISTING
65	1506019.01	409584.30	5410.00	MATCH EXISTING
66	1505984.68	409614.33	5410.00	MATCH EXISTING
67	1505842.53	409638.09	5410.00	T.C.
68	1505840.45	409648.25	5410.00	T.C.
69	1506223.26	409529.23	5411.00	MATCH EXISTING
70	1506172.44	409562.12	5411.00	MATCH EXISTING
71	1506205.59	409582.58	5412.00	MATCH EXISTING
72	1506173.46	409613.70	5412.00	MATCH EXISTING
73	1505852.13	409795.46	5416.00	T.C.
74	1505841.21	409797.09	5416.00	T.C.
75	1505776.01	409853.29	5416.00	T.G.
76	1505788.83	409878.28	5416.00	T.G.
77	1505841.11	409830.76	5415.00	T.G.
78	1505833.63	409824.17	5415.00	T.G.
79	1505788.76	409852.47	5415.00	T.G.
80	1505802.32	409870.53	5415.00	T.G.
81	1505741.22	409937.44	5418.00	T.C.
82	1505728.61	409941.94	5418.00	T.C.
83	1505787.62	410106.01	5428.00	T.C.
84	1505788.89	410100.14	5428.00	T.C.
85	1506252.74	409857.23	5418.00	T.A.
86	1506214.96	409857.03	5418.00	L.G.
87	1506252.76	409876.73	5419.00	T.A.
88	1506194.98	409894.66	5419.00	L.G.
89	1506252.89	409943.63	5422.00	MATCH EXISTING
90	1506269.03	409956.61	5423.00	MATCH EXISTING
91	1506269.03	409967.61	5423.00	T.C.
92	1506205.02	409968.15	5421.00	T.C.
93	1506259.54	409994.73	5423.00	T.C.
94	1506259.05	410014.05	5423.00	T.A.
95	1506197.87	410049.15	5422.00	T.A.
96	1506222.00	410083.02	5423.00	T.A.
97	1506270.74	409967.17	5424.00	T.C.
98	1506270.80	409969.59	5428.00	T.A.
99	1506141.60	409582.08	5411.00	MATCH EXISTING
100	1506092.29	409613.99	5411.00	MATCH EXISTING
101	1505742.63	409671.11	5417.00	T.C.
102	1505729.78	409679.62	5417.00	T.C.
103	1506259.07	410049.12	5424.50	T.A.
104	1506239.09	410083.01	5424.50	T.A.

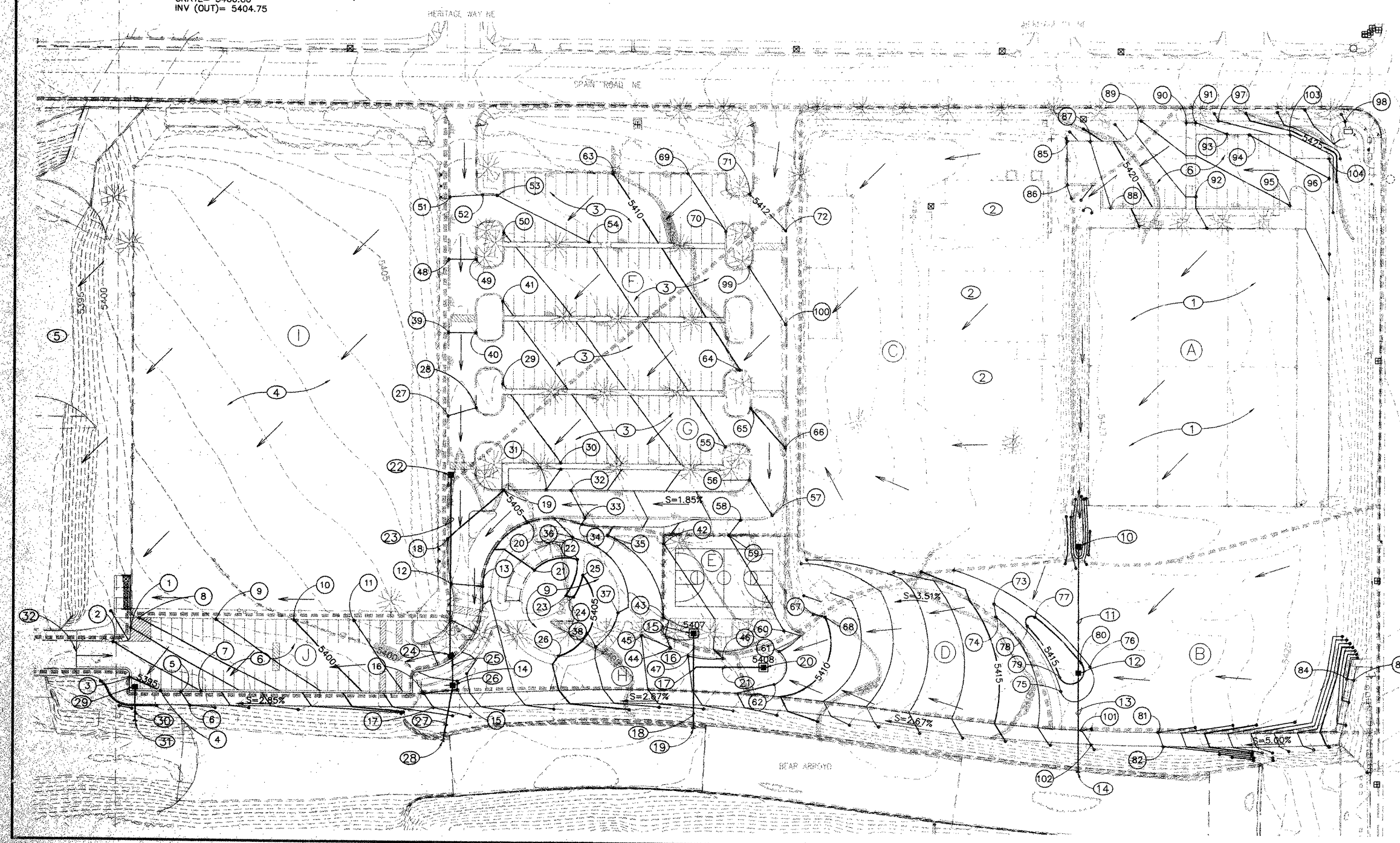
T.A. = TOP OF ASPHALT
L.G. = LIP OF GUTTER
T.C. = TOP OF CONCRETE
T.G. = TOP OF GROUND

LEGEND

- ① DRAINAGE BASIN DESIGNATION
- DRAINAGE BASIN BOUNDARY
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR
- FLOW LINE
- CATCH BASIN
- STORM DRAIN LINE



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK GRADING AND DRAINAGE PLAN			
Design Review Committee	City Engineer Approval	City Engineer Update	City Engineer Seal
City Project No. 498093	Zone Map No. F-19-Z	Sheet 16 of 41	City Engineer Seal



KEYED NOTES:

- SEE SHEET G1.
- SEE SHEET G1.
- SEE SHEET G1.
- SEE SHEET G1.
- BEAR TRIB ARROYO.
- SEE SHEET G1.
- EXISTING SOCCER FIELD TO REMAIN.
- NEW PAVED PARKING.
- SEE SHEET G1.
- SEE SHEET G1.
- CONSTRUCT NEW TYPE "A" CATCH BASIN.
N 1505774.24
E 408703.66
GRATE= 5389.75
INV(OUT)= 5387.25
- INSTALL 22 LF 18" CLASS IV
RCP @ S=0.0110 ft/ft
N 1505752.81
E 408703.69
INV(OUT)= 5387.01
SEE DETAIL D ON SHEET D6
- CONSTRUCT TWO (2) NEW
TYPE "A" CATCH BASINS.
N 1505865.33
E 408106.33
GRATE= 5379.80
INV(OUT)= 5375.80
- INSTALL 39 LF 36" CLASS IV
RCP @ S=0.031 ft/ft
N 1505829.87
E 408092.45
INV(OUT)= 5374.62
SEE DETAIL D ON SHEET D6
- NEW CURB CUT FOR DRAINAGE
- MATCH EXISTING BRIDGE GRADES

HYDROLOGY NOTES:

EXISTING SITE CONDITIONS:

THE SITE IS LOCATED BETWEEN OSUNA ROAD TO THE SOUTH, SPAIN ROAD TO THE NORTH, WYOMING BOULEVARD TO THE EAST AND THE EASTERN EDGE OF THE ARROYO DEL OSO GOLF COURSE. THE SITE CURRENTLY CONSISTS PRIMARILY OF TWO LARGE OPEN GRASS AREAS WHICH ARE GENERALLY USED FOR SOCCER PLAY, SIX TENNIS COURTS ON THE EAST, GREENHOUSES, A PAVED PARKING AREA, AND COMPACTED SOIL PARKING AREAS. THERE ARE LITTLE OR NO NATURAL LANDSCAPED AREAS LEFT IN THE PARK. THE BEAR TRIB ARROYO AND THE BEAR ARROYO RUN THROUGH THE SITE. THE BEAR TRIB WAS RECENTLY IMPROVED WHICH INCLUDES A PEDESTRIAN AND AUTO BRIDGE. THE BEAR ARROYO WAS ALSO RECENTLY IMPROVED FROM WYOMING BOULEVARD TO APPROXIMATELY 1300 FEET WEST OF WYOMING. THESE IMPROVEMENTS CONSIST OF CONCRETE DROP STRUCTURES AND GABION WALLS ALONG THE REACH.

PROPOSED IMPROVEMENTS:

THE PROPOSED IMPROVEMENTS TO THE PARK ARE MINIMAL IN REGARD TO THE AFFECTED AREAS. THE IMPROVEMENTS CONSIST PRIMARILY OF NEW PAVING OR PARKING AREAS AND SIDEWALK FOR ACCESS TO AN AROUND THE SITE. THERE WILL ALSO BE A PLAY AREA FOR YOUNGER CHILDREN AND A BASKETBALL COURT. FOLLOWING ARE DESCRIPTIONS OF THE BASINS AND THE PROPOSED IMPROVEMENTS:

- BASIN A:** THE IMPROVEMENTS FOR THIS BASIN CONSIST OF A SMALL PARKING AREA WHICH WILL BE CONSTRUCTED AT THE NORTH EDGE OF THE BASIN.
BASIN B: BASIN B CONSISTS OF COMPACTED EARTH AND WILL NOT BE DEVELOPED IN THIS PHASE.
BASIN C: BASIN C CONSISTS OF GREENHOUSES AND COMPACTED EARTH PARKING AREAS AND WILL NOT BE DEVELOPED IN THIS PHASE.
BASIN D: BASIN D CONSISTS OF COMPACTED EARTH AND WILL BE DEVELOPED IN THIS PHASE TO BE A TURFED AREA.
BASIN E: THIS AREA IS CURRENTLY COMPACTED EARTH AND WILL BE DEVELOPED FOR A BASKETBALL COURT AND LANDSCAPED AREA.
BASIN F: BASIN F CONSISTS OF A PAVED PARKING AREA WITH LANDSCAPE ISLANDS. THIS AREA WILL BE REPAVED AD THE LANDSCAPE ISLANDS WILL BE KEPT.
BASIN G: BASIN G CONSISTS OF A PAVED PARKING AREA WITH LANDSCAPE ISLANDS. THIS AREA WILL BE REPAVED AD THE LANDSCAPE ISLANDS WILL BE KEPT.
BASIN H: THIS AREA CURRENTLY CONSISTS OF COMPACTED EARTH AND WILL BE DEVELOPED INTO A PLAY AREA WITH TURFED LANDSCAPE AREAS.
BASIN I: THIS AREA IS A TURFED SOCCER PLAY AREA AND WILL NOT BE CHANGED IN THIS PHASE.

- BASIN J:** BASIN J IS COMPACTED EARTH WHICH WILL BE PAVED.
BASIN K: BASIN K IS COMPACTED EARTH WHICH WILL BE PAVED.
BASIN L: THIS AREA IS A TURFED SOCCER PLAY AREA AND WILL NOT BE CHANGED IN THIS PHASE.
BASIN M: BASIN M CONSISTS OF SOME NATURAL LANDSCAPING AS WELL AS COMPACTED EARTH AND SOME PCC SIDEWALK. THIS AREA WILL BE PAVED FOR PARKING AND ADDITIONAL PCC DRIVEWAY WILL BE CONSTRUCTED.
BASIN N: THIS AREA CONSISTS OF COMPACTED EARTH AND WILL BE PAVED FOR PARKING.
BASIN O: THIS AREA CONSISTS OF COMPACTED EARTH AND WILL BE PAVED FOR PARKING.

THE FLOWS GENERATED BY EACH BASIN WILL BE DIRECTED TO THE BEAR ARROYO THROUGH PROPOSED CATCH BASINS AND CONNECTOR PIPES WHICH ARE SHOWN ON THE PLANS. THE NET DIFFERENCE BETWEEN THE EXISTING AND PROPOSED FLOWS IS NOT EXCESSIVE BECAUSE THE EXISTING NON-TURFED AREA ARE COMPACTED EARTH FROM PARKING AND THESE AREAS WILL, IN GENERAL, BE REPLACED BY PAVING. ALSO, SOME OF THE COMPACTED EARTH AREAS WILL BE REPLACED BY EITHER LANDSCAPING OR TURF WHICH WILL REDUCE THE RUNOFF AMOUNT IN THOSE AREAS. THE RUNOFF CALCULATIONS FOR EXISTING AND PROPOSED CONDITIONS ARE SHOWN ON THIS SHEET.

EXISTING CONDITIONS:

Basin	Area, ac	Percent Landuse				Q100, cfs
		A	B	C	D	
A	2.21	0	0	55	45	9.19
B	1.16	0	0	100	0	4.00
C	2.24	0	0	85	15	8.26
D	0.51	0	0	100	0	1.76
E	0.32	0	0	100	0	1.10
F	1.43	0	21	0	79	6.45
G	1.22	0	12	0	88	5.77
H	0.61	0	0	100	0	2.11
I	4.15	0	66	34	0	11.99
J	0.50	0	0	100	0	1.73
K	0.34	0	0	100	0	1.17
L	8.03	0	99	0	1	21.07
M	0.83	0	0	95	5	2.93
N	0.12	0	0	100	0	0.41
O	1.19	0	0	100	0	4.11
Total	24.86					82.05

DEVELOPED CONDITIONS:

Basin	Area, ac	Percent Landuse				Q100, cfs
		A	B	C	D	
A	2.21	0	0	58	42	9.08
B	1.16	0	0	100	0	4.00
C	2.24	0	0	85	15	8.26
D	0.51	0	100	0	0	1.33
E	0.32	0	0	49	51	1.36
F	1.43	0	21	0	79	6.45
G	1.22	0	12	0	88	5.77
H	0.61	0	40	16	44	2.32
I	4.15	0	66	34	0	11.99
J	0.50	0	0	0	100	2.51
K	0.34	0	0	0	100	1.71
L	8.03	0	99	0	1	21.07
M	0.83	0	0	58	42	3.41
N	0.12	0	0	0	100	0.60
O	1.19	0	0	0	100	5.97
Total	24.86					85.83

SPOT DATA

SPOT#	NORTHING	EASTING	ELEV.	DESC.
200	1506406.81	408175.94	5391.00	T.C.
201	1506390.95	408188.13	5391.00	T.C.
202	1506373.50	408132.57	5386.00	T.C.
203	1506357.64	408144.75	5386.00	T.C.
204	1506369.21	408066.73	5385.00	T.A.
205	1506290.16	408117.65	5385.00	T.A.
206	1506291.50	408051.91	5384.00	T.G.
207	1506237.93	408053.27	5380.00	T.G.
208	1506264.19	408063.30	5384.00	T.A.
209	1506222.58	408073.57	5380.00	T.G.
210	1506208.15	408075.31	5380.00	T.G.
211	1506197.51	408057.23	5380.00	T.G.
212	1506176.50	408139.78	5384.00	T.C.
213	1505971.85	408067.62	5380.00	T.A.
214	1505905.69	408110.22	5380.00	L.G.
215	1505909.21	408066.32	5380.00	T.G.
216	1505871.80	408131.50	5380.00	L.G.
217	1505842.32	408158.37	5380.00	T.C.
218	1505865.68	408158.35	5381.00	T.A.
219	1505859.16	408186.32	5381.00	T.C.
220	1505830.82	408212.16	5381.00	L.G.

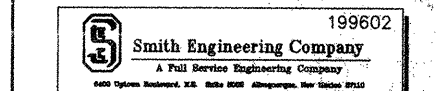
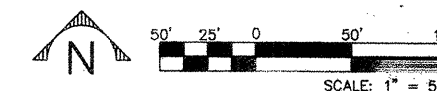
T.A. = TOP OF ASPHALT T.C. = TOP OF CONCRETE T.G. = TOP OF GROUND
L.G. = LIP OF GUTTER

SPOT DATA

SPOT#	NORTHING	EASTING	ELEV.	DESC.
221	1505834.43	408184.81	5381.00	T.C.
222	1505870.28	408267.71	5383.00	T.C.
223	1505861.84	408320.29	5384.00	T.C.
224	1505836.70	408376.57	5385.00	T.C.
225	1505828.25	408376.57	5385.00	T.C.
226	1505824.69	408404.85	5385.00	T.A.
227	1505835.08	408541.87	5388.00	T.C.
228	1505816.16	408541.88	5388.00	T.C.
229	1505822.43	408562.35	5388.00	T.A.
230	1505842.19	408596.27	5389.00	T.C.
231	1505792.36	408649.63	5389.00	L.G.
232	1505792.22	408594.63	5388.00	L.G.
233	1505831.68	408669.15	5390.00	T.A.
234	1505772.39	408711.11	5390.00	L.G.
235	1505770.40	408730.62	5390.00	T.C.
236	1505842.22	408700.73	5391.00	T.C.
237	1505772.41	408750.14	5391.00	L.G.
238	1505842.30	408857.05	5395.00	T.C.
239	1505792.50	408892.01	5395.00	L.G.
240	1505790.49	408873.96	5395.00	T.C.

LEGEND

- (A) DRAINAGE BASIN DESIGNATION
- DRAINAGE BASIN BOUNDARY
- EXISTING 1' CONTOUR
- EXISTING 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR
- FLOW LINE
- CATCH BASIN
- STORM DRAIN LINE



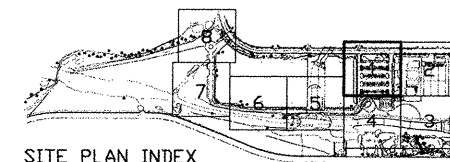
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE I IMPROVEMENTS - ARROYO DEL OSO PARK
GRADING AND DRAINAGE PLAN

Design Review Committee	City Engineer Approval	DATE	BY

City Project No. 4980.93 Zone Map No. F-19-Z Sheet 17 of 41

AS BUILT INFORMATION			
CONTRACTOR	DATE	BY	DATE
BENCH MARKS			
STATION	DATE	BY	DATE
4. F-19-18" SET IN TOP OF A CONCRETE POST FLUSHED WITH TOP OF THE CURB AS SHOWN ON SHEET 2		JMA	
SURVEY INFORMATION			
NO.	DATE	BY	DATE
1		JMA	
ENGINEER'S SEAL			
NO.	DATE	REVISIONS	BY
		DESIGN <td></td>	
DESIGNED BY: PJC	DATE: 08/99		
DRAWN BY: SEC	DATE: 08/99		
CHECKED BY: PJC	DATE: 08/99		



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK IRRIGATION PLAN				
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	4980.93	Zone Map No. F-19-Z	Sheet 11	18 of 41

MATCH LINE - SEE BASE SHEET 5

MATCH LINE - SEE BASE SHEET 3

PROPOSED PLANTING
REFER TO SHTS. P1-P8

SLEEVE FOR CONTROLLER
WIRE TO "W" SERIES VALVES

1	6.4
W 3 (S)	
1	1.1
W 4 (T)	

SAND
AREA

SAND
AREA

1	3
E 2 (S)	

1	1.3
E 6 (T)	

1	2.1
E 7 (S)	

2	45
W 5 (G)	

—CAP LINE EXTENSION FOR FUTURE EXPANSION

1.5	24
W 6 (S)	

1.5	28
E 10 (G)	

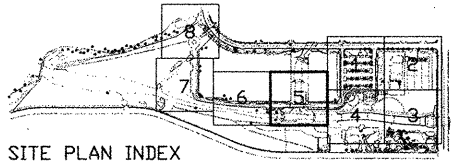
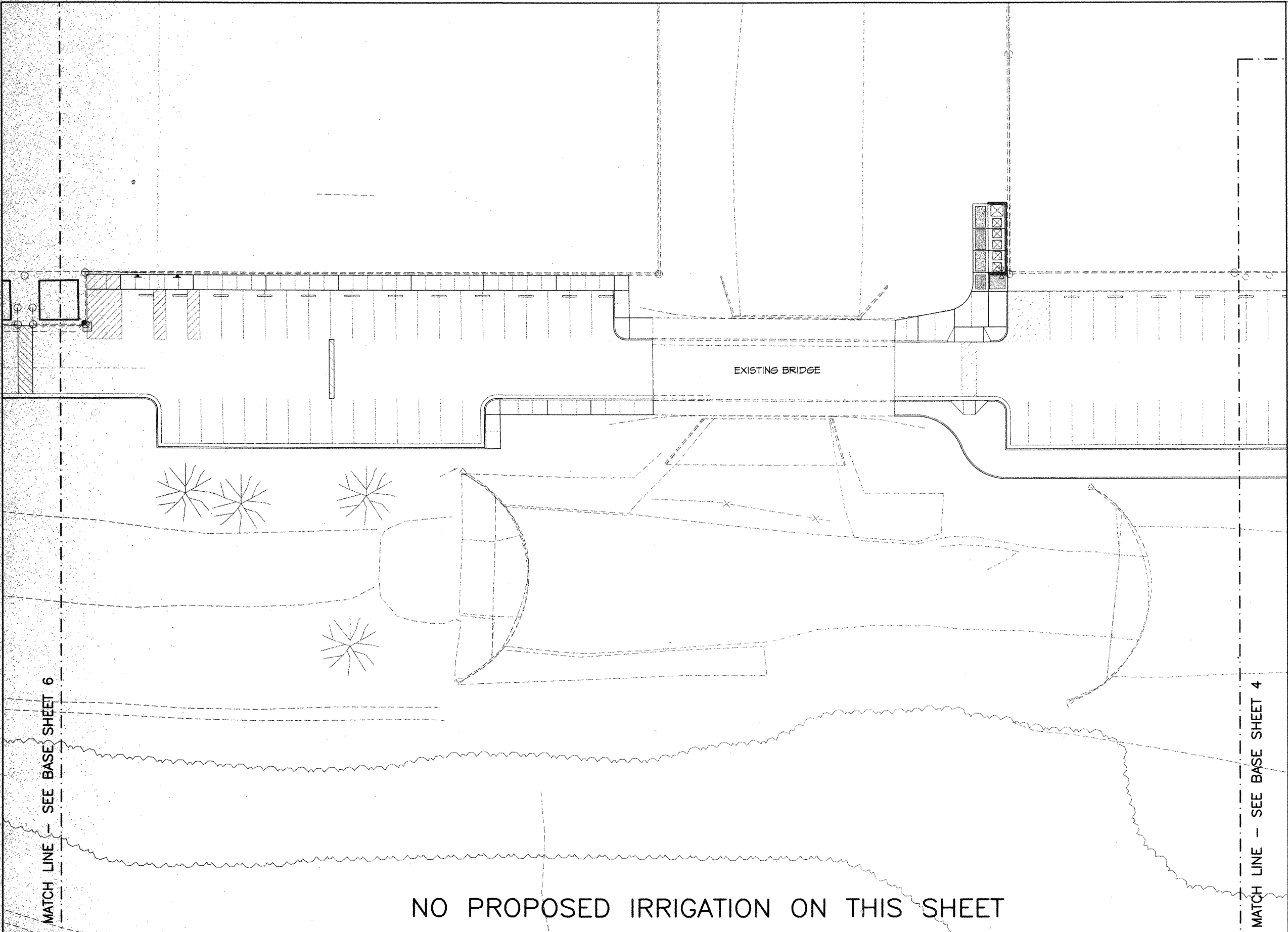
- ① CONNECT NEW IRRIGATION SYSTEM FOR NEW PLANTINGS TO EXISTING BUBBLER SYSTEM
- ② PRESERVE AND PROTECT EXISTING BUBBLER IRRIGATION SYSTEM.

SEE SHT. DI FOR FULL SCHEDULE

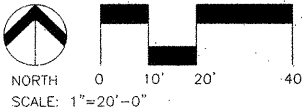
- SEE INSET ON SHEET 18
FOR LOCATION OF
EXISTING CONTROLLERS

Sheet 21 of 41
4

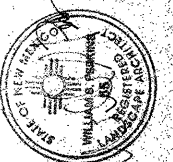
SITE PLAN INDEX

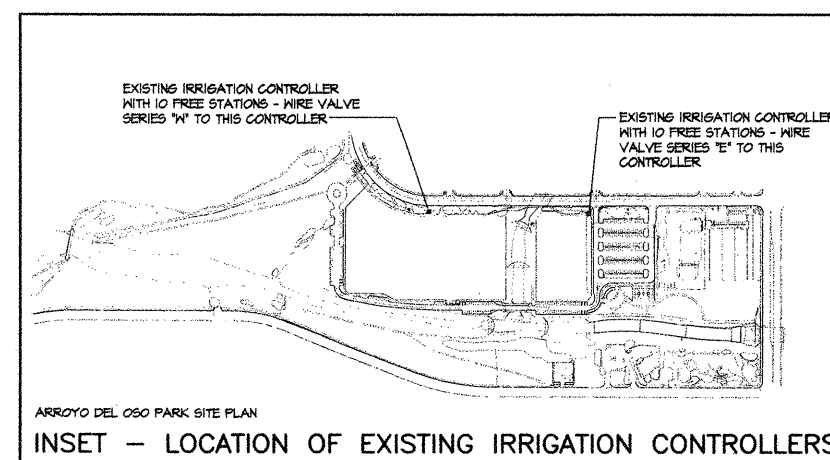
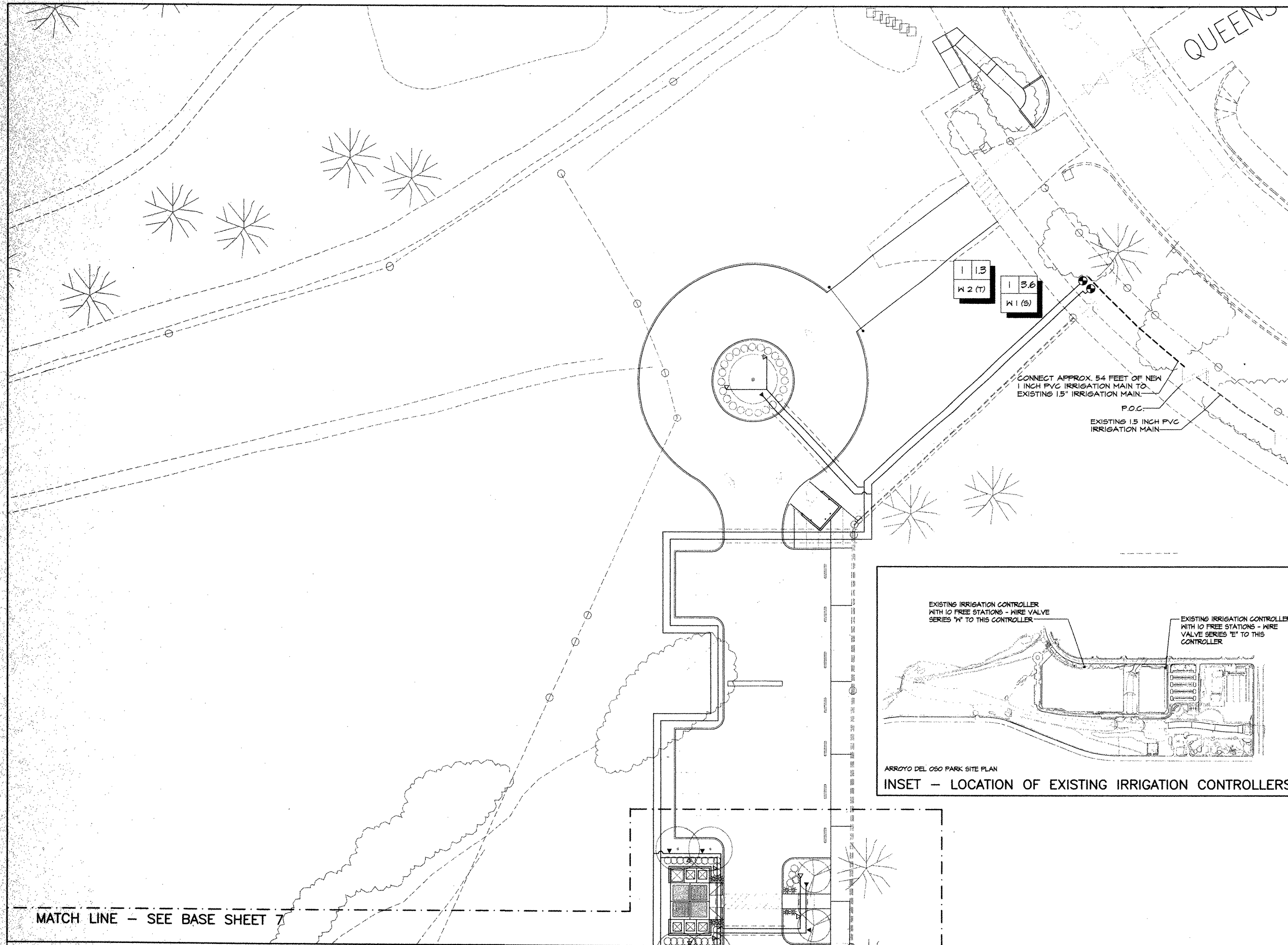


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(Fax) 505.243.8337



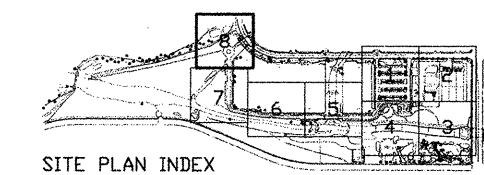
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK IRRIGATION PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No.	Zone Map No.	Sheet	
4980.93	F-19-Z	22 of 41	
		15.	

LANDSCAPE ARCHITECT'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE		CONTRACTOR	
						WORK BY	DATE
						INSPECTOR'S ACCEPTANCE BY	DATE
						VERIFICATION BY	DATE
						COMPLETED BY	DATE
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO.	



INSET - LOCATION OF EXISTING IRRIGATION CONTROLLERS

MATCH LINE - SEE BASE SHEET 7



SITE PLAN INDEX

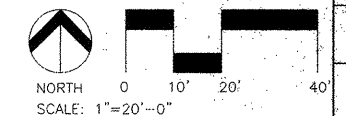
ABBREVIATED IRRIGATION SCHEDULE

SEE SHT. D1 FOR FULL SCHEDULE

- SPRAY HEADS
- ROTARY HEAD
- MULTI OUTLET EMITTERS-SHRUBS
- MULTI OUTLET EMITTER-TREES
- WATER METER
- FLOW METER WITH BOX, COVER AND EXTENSIONS
- IRRIGATION VALVE
- BACKFLOW PREVENTER
- 1" SUPPLY TO DRINKING FOUNTAIN
- LATERAL LINE
- MAIN LINE
- SLEEVE
- STATION CONTROLLER SERIES AND NUMBER
T=TREES S=SHRUBS G=GRASS
- QUICK COUPLER VALVE BOX WITH COVER AND EXTENSIONS
- GATE VALVE

SEE INSET ON SHEET 18 FOR LOCATION OF EXISTING CONTROLLERS

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 (Fax) 505.243.8337



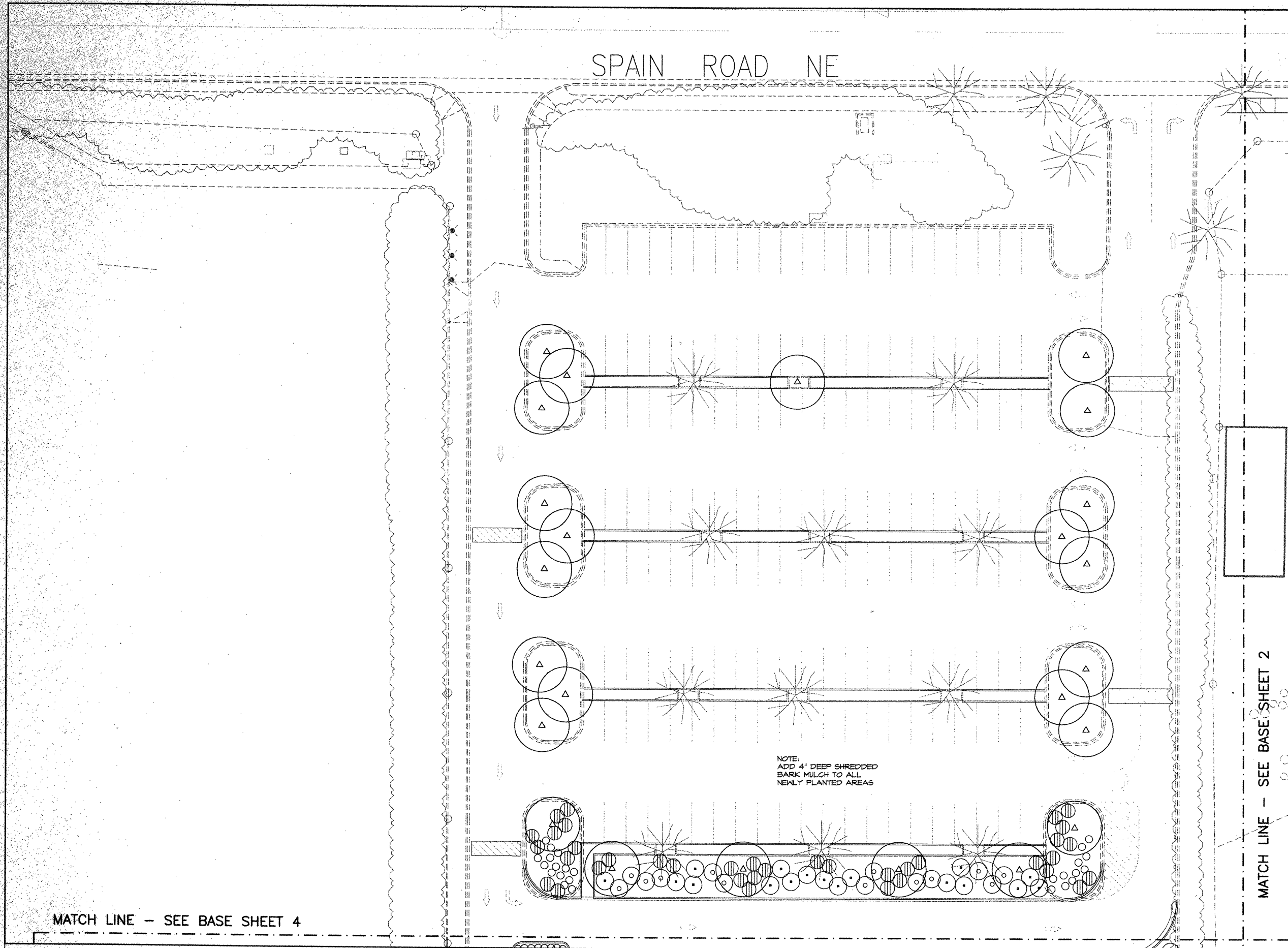
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INSPECTOR'S NAME	DATE						
FIELD VERIFICATION BY	DATE						
CORRECTED BY	DATE						
MICRO-FILM INFORMATION		REVISIONS		REMARKS		DESIGN	
RECORDED BY	DATE	NO.	DATE	NO.	DATE	DESIGNED BY	DATE
						DRAWN BY	DATE
						CHECKED BY	DATE

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK IRRIGATION PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4980.93 Zone Map No. F-19-Z Sheet 25 of 41



ABBREVIATED PLANT LEGEND

TREES

- DESERT WILLOW
- HONEYLOCUST
- COMMON HACKBERRY
- ARIZONA SYCAMORE
- CHINESE PISTACHE
- AUSTRIAN PINE
- JAPANESE PAGODA TREE

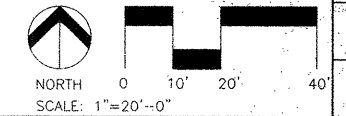
SHRUBS

- GRAY COTONEASTER
- BLUE MIST
- CHAMISA
- APACHE PLUME
- RUSSIAN SAGE
- WESTERN SAND CHERRY
- WISTERIA
- RED YUCCA
- BEAR BERRY COTONEASTER
- FOUR WING SALTBUSH

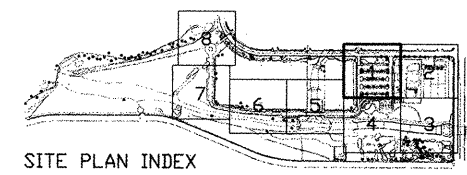
NOTE

REFER TO SHEET D1 FOR MASTER PLANT SCHEDULE
AND PLANTING NOTES.

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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	NO.	BY	DATE	NO.	BY	DATE
DESIGNED BY	DATE	DESIGNED BY	DATE	DESIGNED BY	DATE	DESIGNED BY	DATE
CHECKED BY	DATE	CHECKED BY	DATE	CHECKED BY	DATE	CHECKED BY	DATE
MICRO-FILM INFORMATION		REVISIONS		REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY: RB / WSP		DATE: APRIL 1999		DESIGNED BY: RB / WSP		DATE: APRIL 1999	
DRAWN BY: RB		DATE: SEP 1999		DRAWN BY: RB		DATE: SEP 1999	
CHECKED BY: KB		DATE: SEP 17, 1999		CHECKED BY: KB		DATE: SEP 17, 1999	

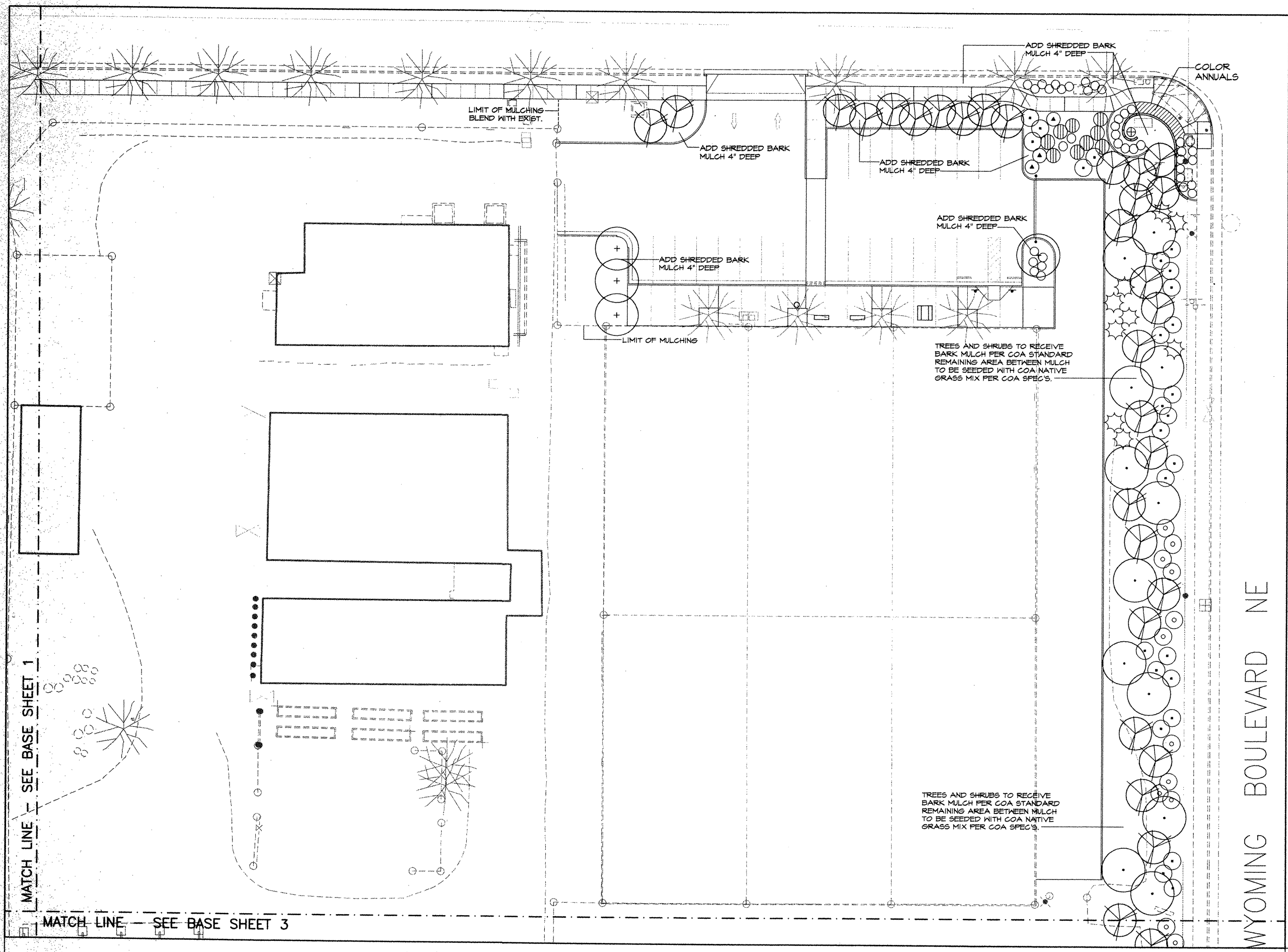


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
PLANTING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 4980.93 Zone Map No. F-19-Z Sheet 26 of 41



ABBREVIATED PLANT LEGEND

TREES

- DESERT WILLOW
- HONEYLOCUST
- COMMON HACKBERRY
- ARIZONA SYCAMORE
- CHINESE PISTACHE
- AUSTRIAN PINE
- JAPANESE PAGODA TREE

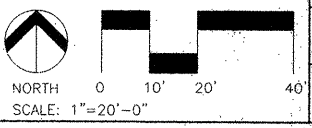
SHRUBS

- GRAY COTONEASTER
- BLUE MIST
- CHAMISA
- APACHE PLUME
- RUSSIAN SAGE
- WESTERN SAND CHERRY
- HISTERIA
- RED YUCCA
- BEAR BERRY COTONEASTER
- FOUR WING SALTBUSH

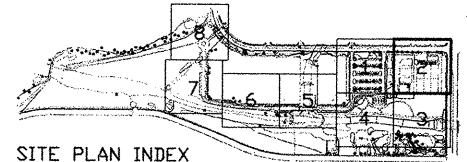
NOTE

REFER TO SHEET D1 FOR MASTER PLANT SCHEDULE AND PLANTING NOTES.

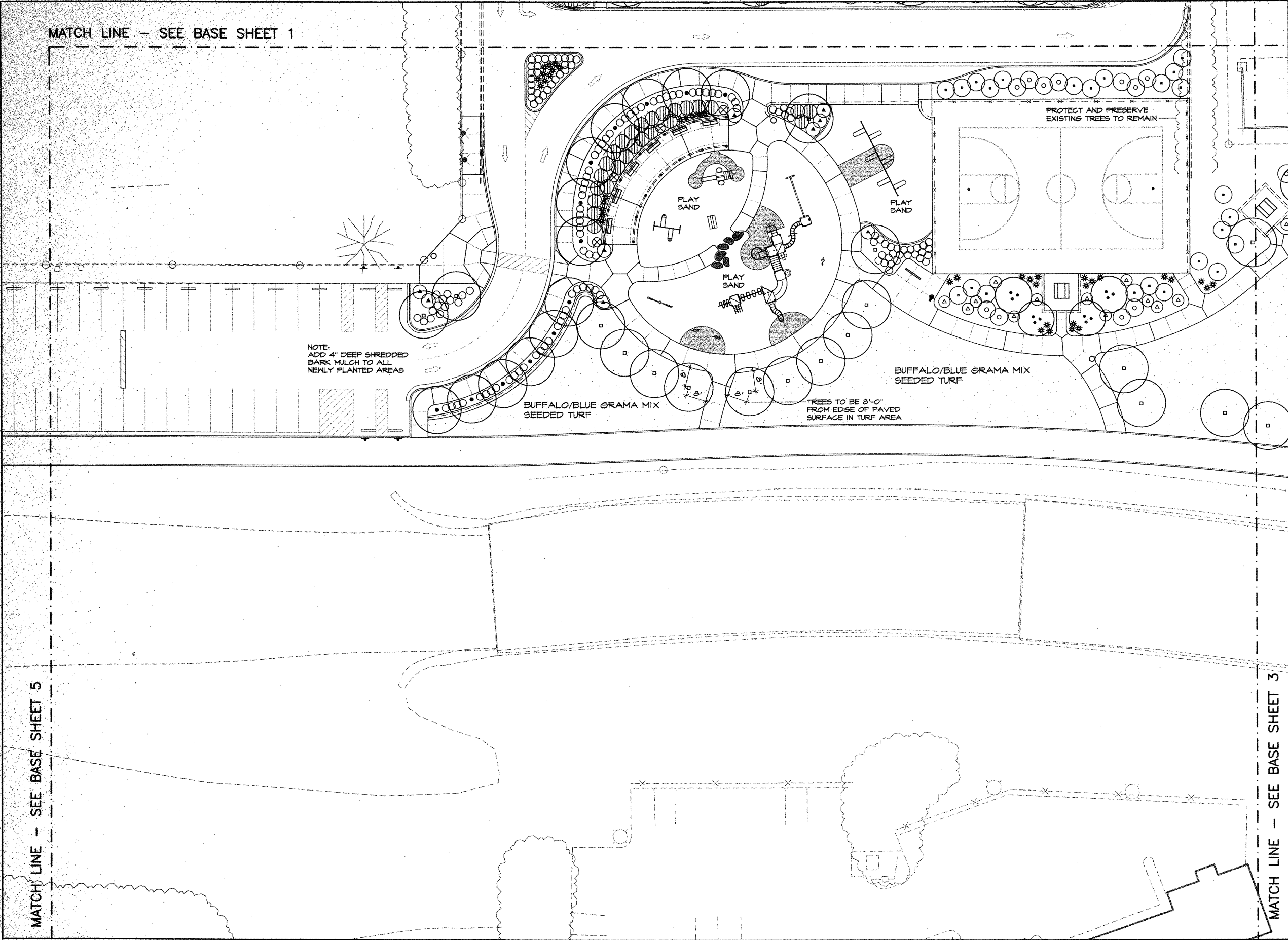
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SITE PLAN INDEX



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK PLANTING PLAN			
Design Review Committee	City Engineer Approval	Mo/Day/Yr	Mo/Day/Yr
City Project No.	Zone Map No.	Sheet	Of
4980.93	F-19-Z	P2	27 of 41



ABBREVIATED PLANT LEGEND

TREES

- DESERT WILLOW
- HONEYLOCUST
- COMMON HACKBERRY
- ARIZONA SYCAMORE
- CHINESE PISTACHE
- AUSTRIAN PINE
- JAPANESE PAGODA TREE

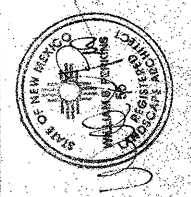
SHRUBS

- GRAY COTONEASTER
- BLUE MIST
- CHAMISA
- APACHE PLUME
- RUSSIAN SAGE
- WESTERN SAND CHERRY
- WISTERIA
- RED YUCCA
- BEAR BERRY COTONEASTER
- FOUR WING SALTEUSH

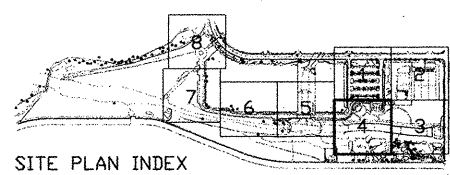
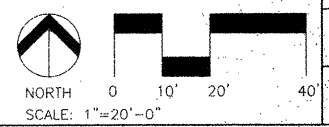
NOTE

REFER TO SHEET D1 FOR MASTER PLANT SCHEDULE AND PLANTING NOTES.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE			FIELD	NOTES		
INSPECTOR'S	DATE			BY			
FIELD	DATE						
REVISION	DATE						
CONDUCTED	DATE						
MICRO-FILM INFORMATION							
ASSIGNED	DATE						
NO.							

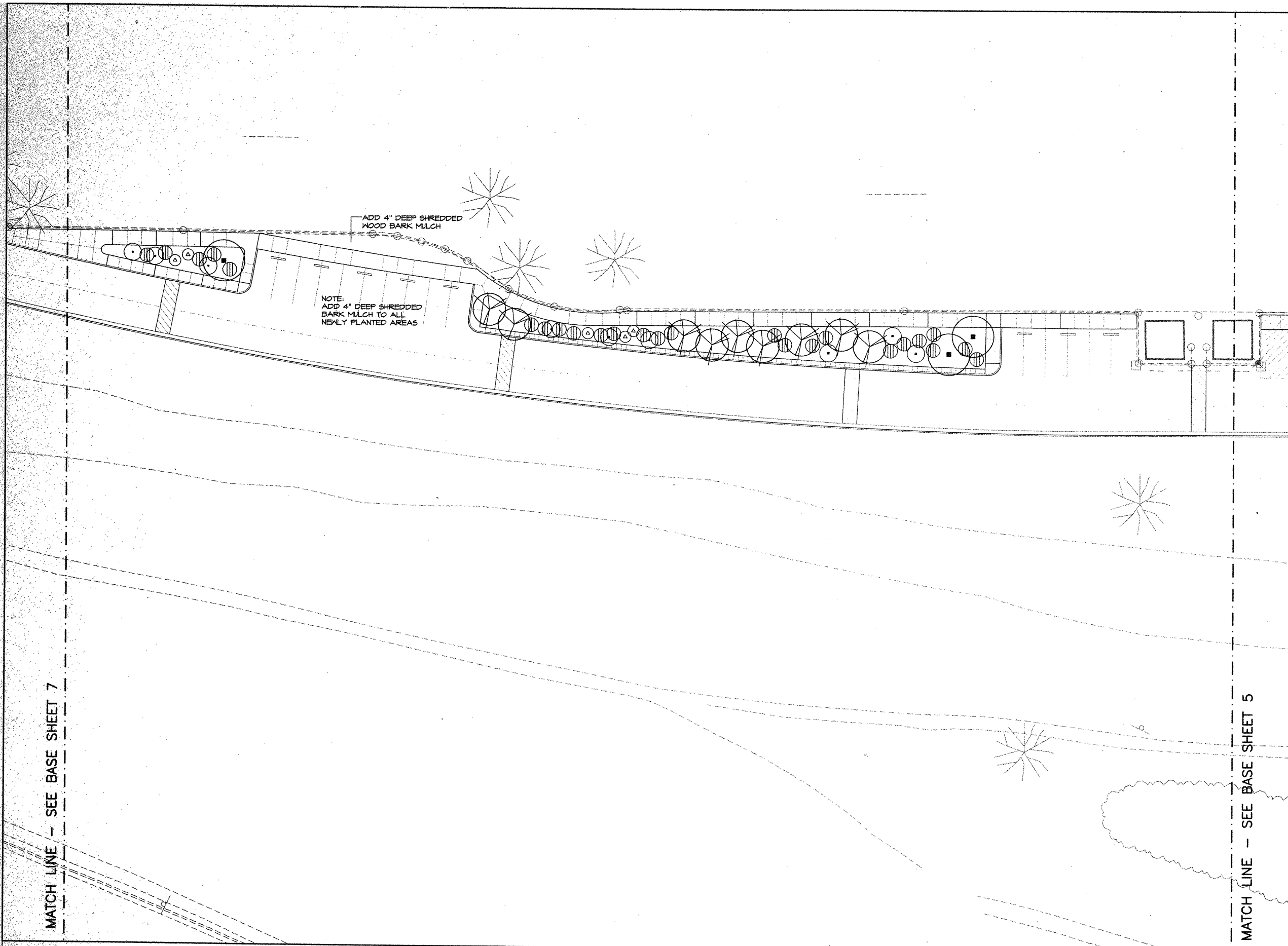


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SITE PLAN INDEX

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK PLANTING PLAN	
Design Review Committee	City Engineer Approval	Ms./Dsg./Tr.	Ms./Dsg./Tr.
City Project No.	Zone Map No.	Sheet	Of
4980.93	F-19-Z	P4	29 of 41



ABBREVIATED PLANT LEGEND

TREES

- DESERT WILLOW
- HONEYLOCUST
- COMMON HACKBERRY
- ARIZONA SYCAMORE
- CHINESE PISTACHE
- AUSTRIAN PINE
- JAPANESE PAGODA TREE

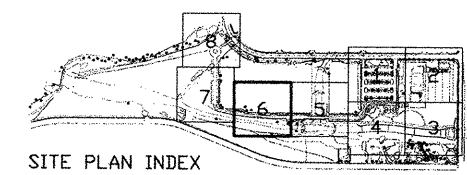
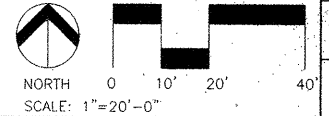
SHRUBS

- GRAY COTONEASTER
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NOTE

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SITE PLAN INDEX

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
NO.	DATE	NO.	DATE	NO.	DATE	[Seal]	
DESIGNED BY: [Signature]		DESIGNED BY: [Signature]		DESIGNED BY: [Signature]		[Seal]	
DRAWN BY: [Signature]		DRAWN BY: [Signature]		DRAWN BY: [Signature]		[Seal]	
CHECKED BY: [Signature]		CHECKED BY: [Signature]		CHECKED BY: [Signature]		[Seal]	
DATE: [Date]		DATE: [Date]		DATE: [Date]		DATE: [Date]	
REVISIONS		REVISIONS		REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
1	APR 1999	2	SEP 1999	3	SEP 1999	4	SEP 1999
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK PLANTING PLAN		TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK PLANTING PLAN		TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK PLANTING PLAN		TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK PLANTING PLAN	
Design Review Committee		City Engineer Approval		City Engineer Approval		City Engineer Approval	
City Project No. 4980.93		Zone Map No. F-19-Z		Zone Map No. F-19-Z		Zone Map No. F-19-Z	
Sheet 31 of 41		Sheet 31 of 41		Sheet 31 of 41		Sheet 31 of 41	








MATCH LINE - SEE BASE SHEET 8

MATCH LINE - SEE BASE SHEET 6











NOTE:
ADD 4" DEEP SHREDDDED
BARK MULCH TO ALL
NEWLY PLANTED AREAS

ABBREVIATED PLANT LEGEND

TREES

- | | |
|---|----------------------|
|  | DESERT WILLOW |
|  | HONEYLOCUST |
|  | COMMON HACKBERRY |
|  | ARIZONA SYCAMORE |
|  | CHINESE PISTACHE |
|  | AUSTRIAN PINE |
|  | JAPANESE PAGODA TREE |

SHRUBS

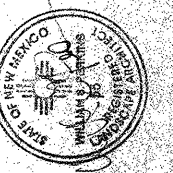
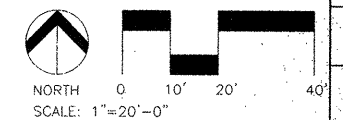
- | | |
|--|------------------------|
|  | GRAY COTONEASTER |
|  | BLUE MIST |
|  | CHAMISA |
|  | APACHE PLUME |
|  | RUSSIAN SAGE |
|  | WESTERN SAND CHERRY |
|  | WISTERIA |
|  | RED YUCCA |
|  | BEAR BERRY COTONEASTER |
|  | FOUR WING SALTEBUSH |

NOTE

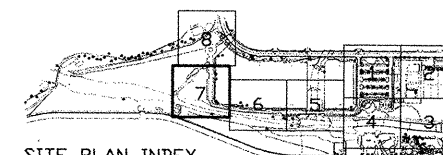
REFER TO SHEET DI FOR MASTER PLANT SCHEDULE
AND PLANTING NOTES.

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<p align="center">CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP</p>				
<p align="center">TITLE: PHASE 1 IMPROVEMENTS – ARROYO DEL OSO PARK PLANTING PLAN</p>				
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.		Zone Map No.	Sheet	Of
4980.93		F-19-Z	P7	32 41



SITE PLAN INDEX

PLANTING SCHEDULE

SYM	APPROX. QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	COND	EMITTER SCHEDULE PER PLANT	NOTES
TREES							
	14	CHILOPSIS LINEARIS	DESERT WILLOW	2" CALIFER	B&B	4 - 1 GAL. PER HOUR EA.	
	4	GLEDITSIA TRIACANTHOS 'SHADEMASTER'	HONEY LOCUST	2" CALIFER	24" BOX	4 - 1 GAL. PER HOUR EA. 6 - 1 GAL. PER HOUR (IN PLANTER)	
	23	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2" CALIFER	24" BOX	4 - 1 GAL. PER HOUR EA. 6 - 1 GAL. PER HOUR (IN PLANTER)	
	33	PLATANUS WRIGHTII	ARIZONA SYCAMORE	2" CALIFER	24" BOX	4 - 1 GAL. PER HOUR EA. 6 - 1 GAL. PER HOUR (IN PLANTER)	STRONG CENTRAL LEADER SYMMETRICAL FORM
	3	SOPHORA JAPONICA	JAPANESE PAGODA TREE	2" CALIFER	24" BOX	4 - 1 GAL. PER HOUR EA. 6 - 1 GAL. PER HOUR (IN PLANTER)	
	45	PINUS NIGRA	AUSTRIAN PINE	8'-9" TALL	B&B	4 - 1 GAL. PER HOUR EA.	FULL BRANCHING TO THE GROUND
	34	PISTACHIA CHINENSIS	CHINESE PISTACHE	2" CALIFER	24" BOX	4 - 1 GAL. PER HOUR EA.	
SHRUBS							
	270	COTONEASTER BUXIFOLIUS	GRAY COTONEASTER	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	12	GARYOPTERIS CLANDONENSIS	BLUE MIST SPIREA	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	67	CHRYSOETHAMNUS NAUSEOUSUS	CHAMISA	5 GAL	CONTAINER	NO IRRIGATION	MINIMUM SPACING 3' O.C.
	63	FALLUSIA PARADOXA	APACHE PLUME	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	25	PEROVSKIA ATRIPLICIFOLIA	RUSSIAN SAGE	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	7	PRUNUS BESSEYI	WESTERN SAND CHERRY	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	4	WISTERIA FLORIBUNDA	JAPANESE WISTERIA	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	
	55	HESPERALOE PARVIFLORA	RED YUCCA	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	41	COTONEASTER DAMMERI 'CORAL BEAUTY'	BEAR BERRY COTONEASTER	5 GAL	CONTAINER	2- 1 GAL. PER HOUR EA.	MINIMUM SPACING 3' O.C.
	18	ATRIPLEX CANESCENS	FOUR WING SALTBUSH	5 GAL	CONTAINER	NO IRRIGATION	MINIMUM SPACING 3' O.C.
TURF							
		BUFFALO/BLUE GRAMA SEED MIX		60,000 S.F.			

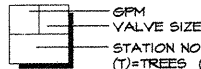
- TURF GRASS SEED AND INSTALLATION TO BE PER C.O.A. STD SPECIFICATIONS.
- AMENDED SOIL IS TO BE PLANTING SOIL AS SPECIFIED IN THE C.O.A. STD. SPECIFICATIONS MIXED WITH EXISTING SOIL FROM THE EXCAVATION OF THE PLANTING PIT. MIX 1 PART PLANTING MIX TO 2 PARTS EXISTING SOIL FOR BACKFILL.
- ALL DISTURBED AREAS ARE TO BE SEEDED WITH NATIVE GRASS AS SPECIFIED PER COA STANDARD SPECIFICATIONS SECTION 1012.4.1.2
- ALL SHRUB AND TREE PLANTING AREAS ARE TO RECEIVE SHREDDED WOOD BARK MULCH PLACED 4 INCHES DEEP ON THE SOIL SURFACE.

PLANTING NOTES:

- ALL PLANT MATERIAL SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION.
- ALL PLANTING SHALL BE IN ACCORDANCE WITH STANDARD AMERICAN NURSERYMEN PROCEDURES AND SPECIFICATIONS.
- ALL PLANT MATERIAL IS SUBJECT TO FINAL APPROVAL BY LANDSCAPE ARCHITECT. OBTAIN APPROVAL FROM THE OWNER OR LANDSCAPE ARCHITECT BEFORE MAKING ANY SUBSTITUTIONS OR CHANGES.
- DRAWN PLANS TAKE PRECEDENCE OVER PLANT LIST PROVIDED AND BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES IF ANY DISCREPANCY OCCURS.
- LOCATION AND ORIENTATION OF ALL TREES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO STAKE TREE LOCATIONS FOR APPROVAL PRIOR TO ANY EXCAVATION FOR TREE HOLES.
- PLANTING SHALL BE DONE IN ACCORDANCE WITH THE SPECIFIC DETAIL FOR EACH SITUATION AS SHOWN IN THE PLANTING DETAILS.
- CONTRACTOR OR OWNER'S REPRESENTATIVE SHALL VERIFY THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO INSTALLATION OF ANY PLANT MATERIAL OR IRRIGATION SYSTEMS.
- ALL EXISTING LAWN AREAS TO REMAIN SHALL BE RENOVATED BY SIFTING IN COMPOST AND AERATING, FOLLOWED BY OVERSEEDING OF LAWN AREAS.
- BACKFILL MIX FOR SHRUBS AND TREES: BACKFILL MIX BY VOLUME SHALL CONSIST OF 1 PART COMPOSTED COTTON BURLS TO 2 PARTS NATIVE SOIL. NATIVE SOIL IS TO BE CLEARED OF ALL STONE, DEBRIS, OR OTHER DELETERIOUS MATERIAL. ALL STONES OVER 1 INCH DIAMETER SHALL BE REMOVED.
- ALL EXISTING PLANTING AREA SOIL TO BE AMENDED BY PLACING 4 INCHES OF SOIL AMENDMENT (MULCH-MIX OR APPROVED EQUAL) ON TOP OF THE PLANT BED AND FILLING IT IN TO A DEPTH OF 8-12 INCHES. AVOID TILLING WITHIN 3 FEET OF EXISTING TREES AND LARGE SHRUBS.
- SOIL PREPARATION FOR PERENNIAL BEDS SHALL CONSIST OF PLACING 4 INCHES OF SOIL AMENDMENT ON TOP OF THE PLANT BED AND TILLING IT IN TO A DEPTH OF 8 INCHES. MULCH AS SPECIFIED.
- SOIL AMENDMENT SHALL CONSIST OF COMPOSTED COTTON BURLS THAT HAVE BEEN FREEZE DEFOLIATED. SOURCE: SOIL CONDITIONER - BACK TO EARTH RESOURCES (214) 573-6716, OR APPROVED EQUAL.
- MULCH FOR PERENNIALS BEDS: 1/2 INCH DIAMETER STONE MULCH, PLACED TO A 3 INCH DEPTH, EXCEPT AT PLANT STEMS. (REFER TO DETAIL). SUBMIT SAMPLE TO LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE FOR APPROVAL, PRIOR TO PURCHASE.
- MULCH FOR ALL SHRUB BEDS AND TREE PITS: MULCH SHALL CONSIST OF FINELY GRADED (1/2-3/4 INCH) WOOD MULCH, INSTALLED TO A 4 INCH DEPTH. CREATE A 6 FOOT DIAMETER WOOD MULCH RING AROUND ALL TREES.
- FERTILIZER: FERTILIZER SHALL BE GRO-POWER 7 GRAM PLANTING TABLETS. PROVIDE 6 TABLETS PER FIVE GALLON SHRUBS, 2 TABLETS PER 1 GALLON CONTAINERS AND 1 TABLET PER 4 INCH POT, 18 PER TREE OF 2 INCHES IN CALIFER OR LESS AND 24 PER TREE OF 1/2 INCHES IN CALIFER OR LARGER.

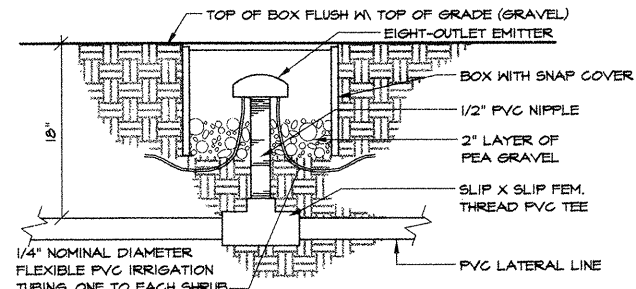
IRRIGATION SCHEDULE

SYM	TYPE	MANUFACTURER	MODEL	DESCRIPTION	NOTES
	2 1/2" WATER METER				BY OTHERS
	2" REDUCED PRESSURE TYPE HOT BOX ENCLOSURE CONCRETE SLAB	FEECO	B25Y	BACKFLOW PREVENTION ASSEMBLY	INSTALL PER COA DETAIL 2701A
	FLOWMETER, MASTER VALVE, BOX, COVER, AND EXTENSIONS	2" "MASTER METER" BROOKS	F28 18, 910, F	PROVIDE AND INSTALL 2" FLOWMETER AND ASSEMBLY	INSTALL PER COA DETAIL 2701 (DETAIL REVISED 1998)
	6" POP-UP SPRAY HEADS	HUNTER	PS-06-(15)-A	SRS POP-UP SPRAY HEADS 15" RADIUS	INSTALL PER COA DETAIL 2704
	4" POP-UP ROTOR HEADS	HUNTER	I-20-ADS-2.5LA	I-20 LOW ANGLE POP-UP ROTOR IRRIGATION HEAD 30" RADIUS WITH S.S. RISER	INSTALL PER COA DETAIL 2704
	PLASTIC REMOTE CONTROL ZONE VALVE, BALL VALVE BOX WITH LOCKING COVER	RAINBIRD - RC VALVE SPEARS - BALL VALVE BROOKS - VALVE BOX	FEB-FRS-B SERIES IT30B-F28-18	REMOTE CONTROL VALVE WITH FILTER AND PRESSURE REDUCER	INSTALL PER COA DETAIL 2704A RED WIRES FOR VALVES WHITE WIRES FOR COMMON TAN BOX LID OUTSIDE LAWN
	PLASTIC REMOTE CONTROL ZONE VALVE, BALL VALVE BOX WITH LOCKING COVER	RAINBIRD - RC VALVE SPEARS - BALL VALVE BROOKS - VALVE BOX	FEB-FRS-B SERIES IT30B-F28-18	REMOTE CONTROL VALVE	INSTALL PER COA DETAIL 2705 RED WIRES FOR VALVES WHITE WIRES FOR COMMON GREEN BOX LID IN LAWN TAN BOX LID OUTSIDE LAWN
	MULTI-OUTLET EMITTER - SHRUBS	RAINBIRD	XBD-80	MULTI-OUTLET EMITTER IN BOX	INSTALL PER DETAIL 1 SHEET D2
	MULTI-OUTLET EMITTERS- TREES	RAINBIRD	XBD-80	MULTI-OUTLET EMITTER IN BOX	INSTALL PER DETAIL 1 SHEET D2
	COA SCORPIO SYSTEM	EXISTING		2 EXISTING IRRIGATION CONTROLLERS WITH TEN FREE STATIONS EACH	
	SCHEDULE 40 PVC	LASCO OR EQUAL		LATERAL LINE	SIZE AS INDICATED ON PLAN
	SCHEDULE 40 PVC	LASCO OR EQUAL		MAIN LINE	SIZE AS INDICATED ON PLAN
	SCHEDULE 40 PVC	LASCO OR EQUAL		3/4" SUPPLY LINE	
	SCHEDULE 200 PVC	LASCO OR EQUAL		SLEEVE	SIZE 2 TIMES LARGER THAN PIPE SIZE. ONE SLEEVE PER PIPE



VALVE SCHEDULE

VALVE NO.	VALVE SIZE (INCHES)	GALLONS PER MINUTE	HEAD TYPE	PRECIP. RATE	RUN TIME MINUTES/DAY	INCHES/MONTH	PLANT MATERIAL	EXISTING CONTROLLER
E1	1	5	DRIP EMITTERS				TREES	EAST
E2	1	3	DRIP EMITTERS				SHRUBS	EAST
E3	1	3.7	DRIP EMITTERS				SHRUBS	EAST
E4	1	2.7	DRIP EMITTERS				TREES	EAST
E5	1	-	DRIP EMITTERS				ANNUALS	EAST
E6	1	1.3	DRIP EMITTERS				TREES	EAST
E7	1	2.1	DRIP EMITTERS				SHRUBS	EAST
E8	2	42	ROTOR	62 IN./HR.	48		NATIVE TURFGRASS	EAST
E9	2.5	54	ROTOR	34 IN./HR.	51		NATIVE TURFGRASS	EAST
E10	1.5	28	ROTOR	76 IN./HR.	40		NATIVE TURFGRASS	EAST
W1	1	3.6	DRIP EMITTERS				SHRUBS	WEST
W2	1	1.3	DRIP EMITTERS				TREES	WEST
W3	1	6.4	DRIP EMITTERS				SHRUBS	WEST
W4	1	1.1	DRIP EMITTERS				TREES	WEST
W5	2	45	SPRAY	1.23 IN./HR.	24		NATIVE TURFGRASS	WEST
W6	1.5	24	SPRAY	1.18 IN./HR.	25		NATIVE TURFGRASS	WEST



- NOTE:
- RAINBIRD XERIBIRD XBD-80
 - 8-OUTLET THREADED EMITTER ON RISER IN BOX
 - INSTALL WITH:
 - RAINBIRD DT-025 1/4" VINYL DISTRIBUTION TUBING
 - RAINBIRD DBC-025 BUG CAP
 - NDS-108 BG-S, SAND COLORED VALVE BOX WITH SCREW IN LID
 - RAINBIRD XERIBUG XB-20 EMITTERS FOR TREES,
 - RAINBIRD XERIBUG XB-10 EMITTERS FOR SHRUBS (UNLESS NOTED OTHERWISE) ONE XBD-80 PER 6-8 SHRUBS
 - RAINBIRD RYB-100-150
 - 1" NYE FILTER, 150 MESH

1 D2 EIGHT-OUTLET DRIP EMITTER

NTS

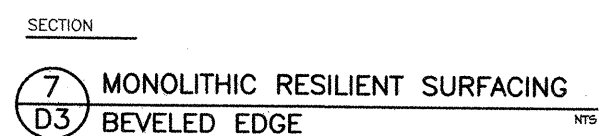
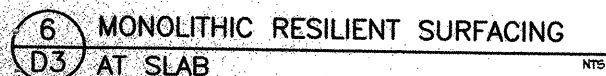
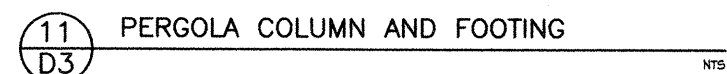
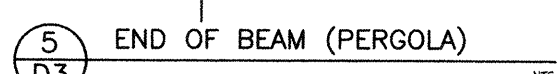
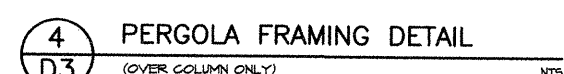
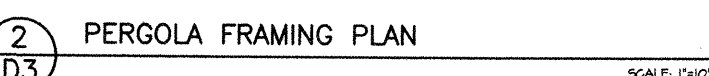
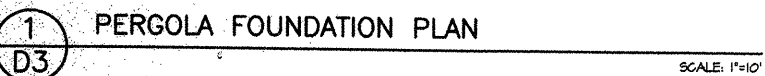
GENERAL IRRIGATION NOTES:

- LOCATIONS OF IRRIGATION LINES, VALVES, HEADS, AND ALL OTHER RELATED IRRIGATION APPURTENANCES SHOWN ON THESE DRAWINGS ARE DIAGNOSTIC ONLY. THE EXACT LOCATION OF THE ABOVE NEED TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
- STAKE ALL UTILITIES, INCLUDING SEWER AND DRAINAGE PRIOR TO ANY EXCAVATION FOR IRRIGATION.
- SIMULTANEOUS FIELD STAKING OF PLANT MATERIAL AND IRRIGATION LAYOUT IS REQUIRED FOR LANDSCAPE ARCHITECTS APPROVAL BEFORE PROCEEDING WITH THE IRRIGATION WORK.
- MAINLINE IS TO BE BURIED A MINIMUM OF 42". THE LATERAL LINES ARE TO BE BURIED A MINIMUM OF 18".
- 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.
- RADIUS ADJUSTMENTS SHALL BE MADE ON ALL HEADS FOR OPTIMUM COVERAGE AND MINIMIZE OVERSPRAY ONTO PAVEMENT SURFACES OR WALLS.
- IRRIGATION SYSTEM IS DESIGNED TO OPERATE AT 25-35 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.

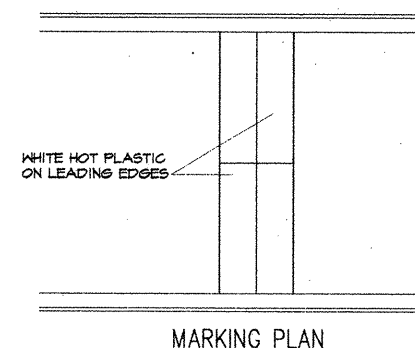
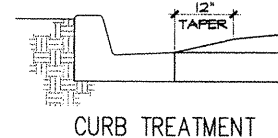
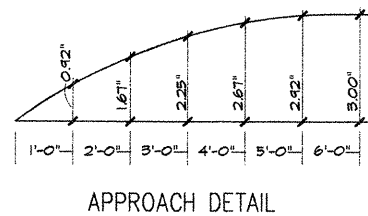
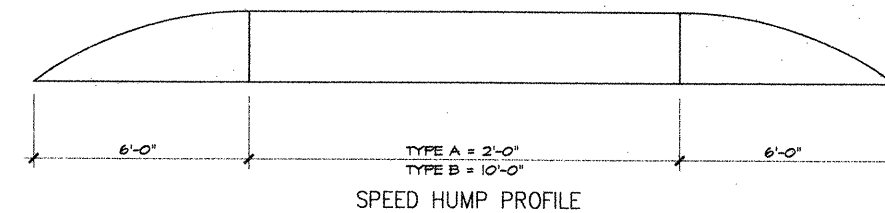
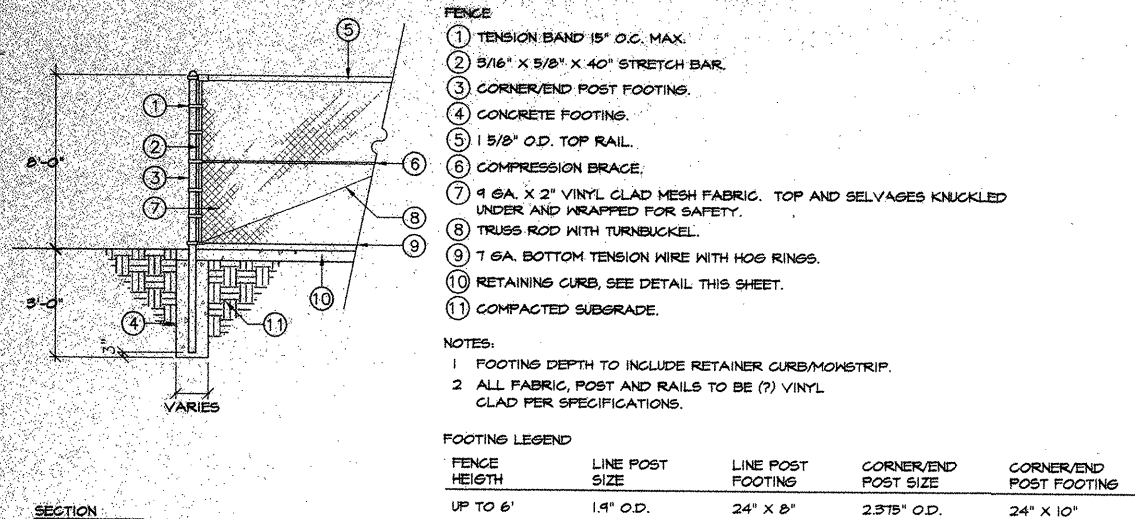
PIPE SIZE	FLOW RATE RANGE
.75"	0 to 8 GPM
1"	8 to 12 GPM
1.25"	13 to 21 GPM
1.5"	22 to 30 GPM
2"	31 to 50 GPM
2.5"	51 to 70 GPM
MINIMUM PIPE SIZE IS .75"	

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(Fax) 505.243.8337

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK IRRIGATION & PLANTING SCHEDULES, DETAILS, NOTES	
Design Review Committee	City Engineer Approval
City Project No. 4980.93	Zone Map No. F-19-Z
Sheet 34 of 41	D1

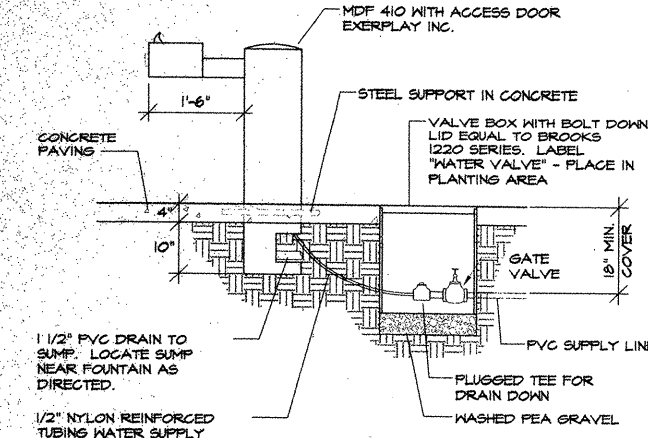


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK DETAILS				
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	
City Project No. 4980.93	Zone Map No. F-19-Z	Sheet D3	36	Of 41



1 VINYL CLAD CHAIN LINK FENCE AT BASKETBALL COURT
D4 NTS

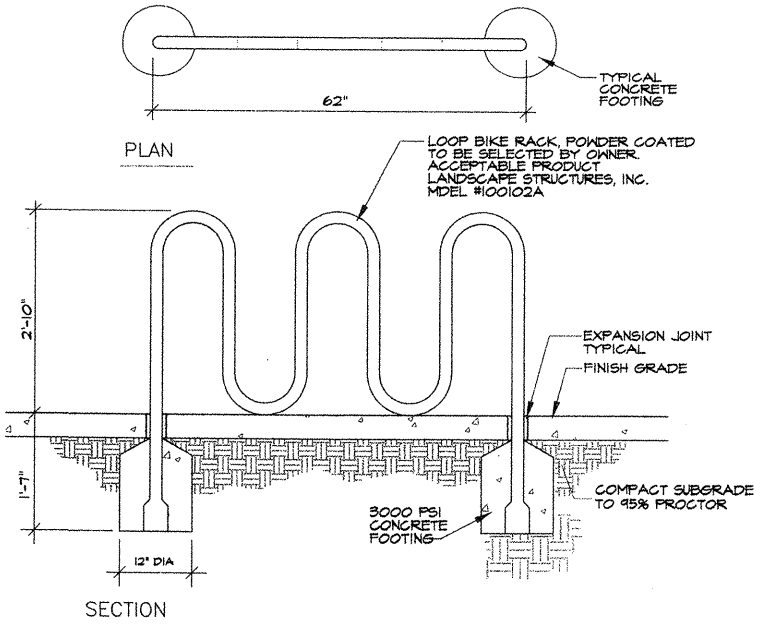
4 SPEED BUMP
D4 NTS



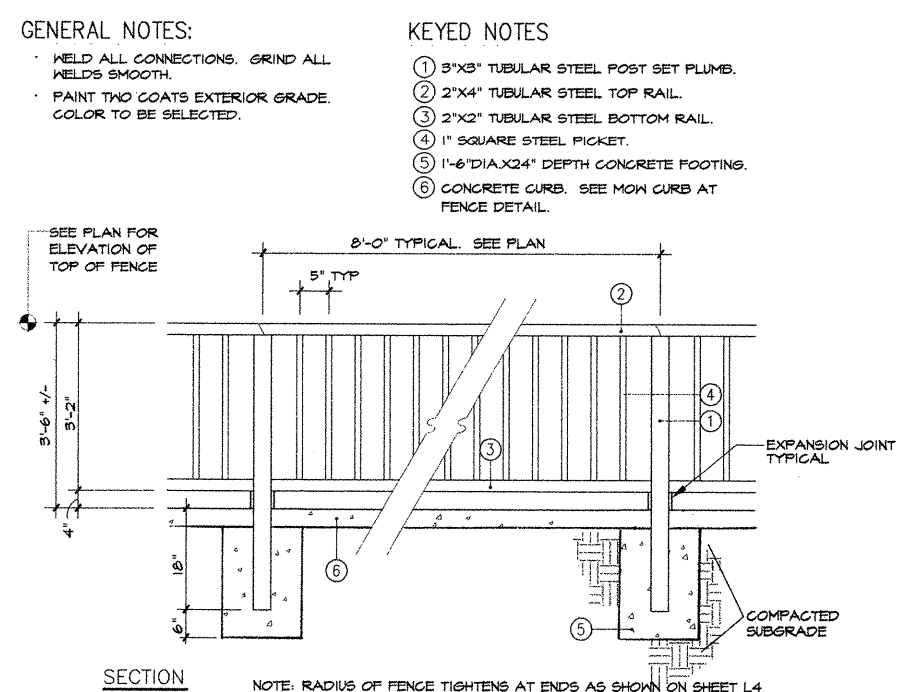
NOTES:

1. DRINKING FOUNTAIN AS AVAILABLE FROM "MOST DEPENDABLE FOUNTAIN, CO." 4641 WINCHESTER, MEMPHIS TN, 38118. TEL: 1-800-552-6331. CONTACT: LYNN GRIFFIN.
2. LOCAL REPRESENTATIVE: EXERPLAY, INC. TEL: 1-505-821-1104.
3. VALVE BOX WITH VALVE AND PLUGGED TEE FOR DRAIN DOWN. LOCATE AT CENTER OF CONCRETE PAD.

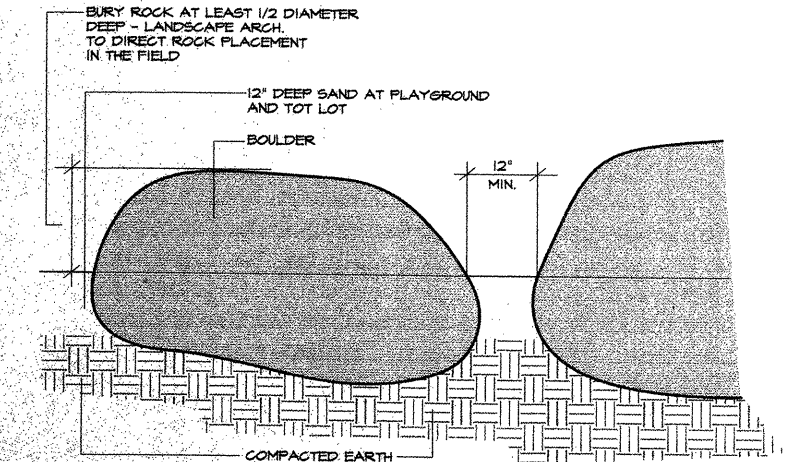
2 DRINKING FOUNTAIN
D4 NTS



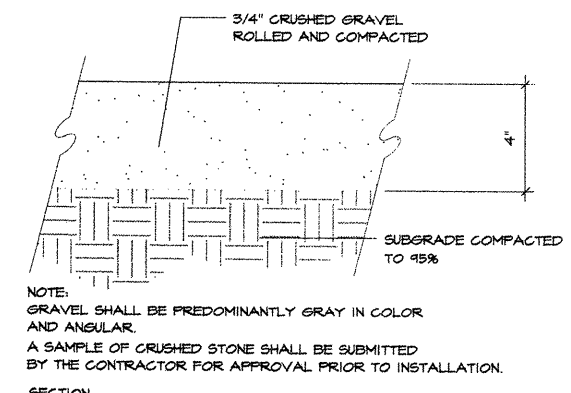
5 BICYCLE RACK
D4 NTS



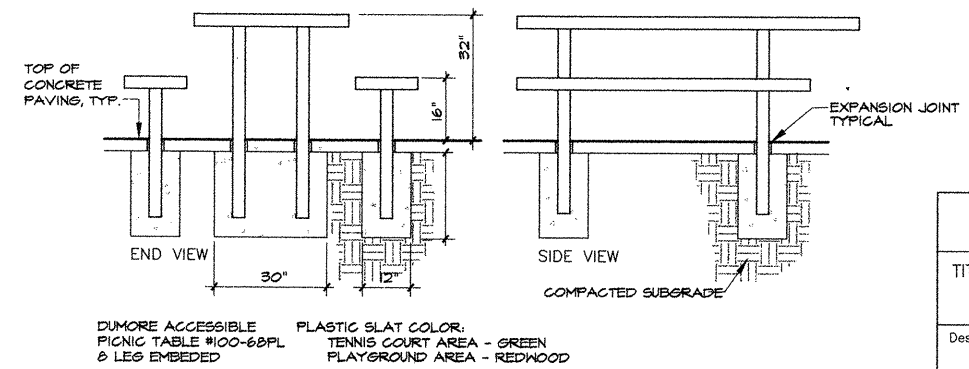
7 ORNAMENTAL STEEL FENCE
D4 NTS



3 BOULDER PLACEMENT
D4 NTS



6 GRAVEL MAINTENANCE ROAD
D4 NTS

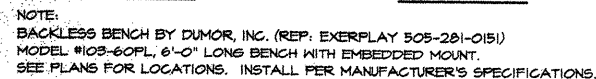
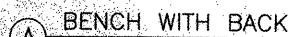


8 PICNIC TABLE
D4 NTS

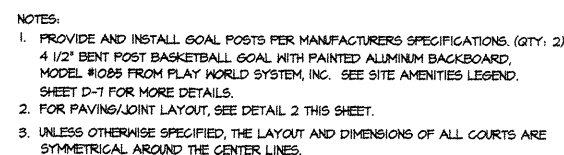
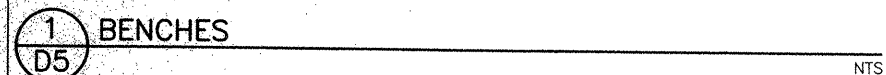
DESIGNWORKSHOP
901 Rio Grande NW
Suite E130
Albuquerque, NM 87104
(Tel.) 505.243.8333
(Fax) 505.243.8337

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK DETAILS			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No. 4980.93		Zone Map No. F-19-Z	Sheet 37 of 41

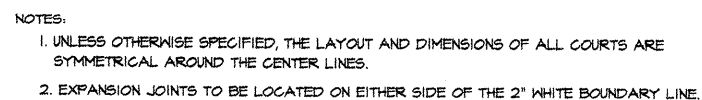
AS-BUILT INFORMATION			
CONTRACTOR	DATE	BY	DATE
REVISIONS	DATE	BY	DATE
DESIGNED BY: RAB / WSP	DATE: APRIL 1999	REVISIONS	
DRAWN BY: RAB	DATE: SEP 1999	DESIGN	
CHECKED BY: KE	DATE: SEP 17, 1999	MICRO-FILM INFORMATION	
RECORDED BY: KE		DATE	



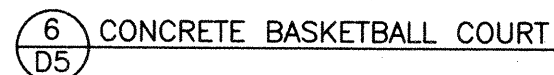
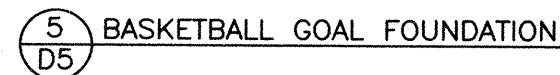
BACKLESS BENCH



3 BASKETBALL COURT LAYOUT



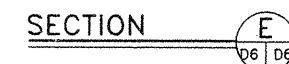
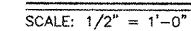
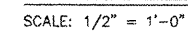
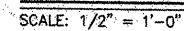
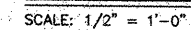
4 BASKETBALL COURT - PAVING / JOINT LAYOUT



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PHASE 1 IMPROVEMENTS - ARROYO DEL OSO PARK
DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
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N:\199602\Option1\Details.dwg Thu Sep 23 18:00:01 1999 STEPHANIE OTERO

