

CONSTRUCTION DOCUMENTS

BEAR CANYON ARROYO
TRAIL IMPROVEMENTS

WYOMING BOULEVARD TO EUBANK BOULEVARD

WATER METER ADDRESSES:

9224 1/2 SPAIN ROAD NE

5101 1/2 EUBANK BLVD. NE

CLASS I AND CLASS II CONSTRUCTION

CLASS I

BIDDER WILL PERFORM ALL WORK OTHER THAN IRRIGATION AND PLANTING WORK SHOWN ON SHEETS 1 - 12. BIDDER WILL ALSO INSTALL ALL SLEEVEING FOR IRRIGATION UNDER HARDSCAPE INCLUDING TRENCHING, SAW-CUTTING, AND CONCRETE AND AC PATCHING AS NECESSARY WHERE HARDSCAPE IS TO BE INSTALLED. THAT WORK IS SHOWN ON SHEETS 6 - 12.

CLASS II

CITY WILL PERFORM ALL IRRIGATION AND PLANTING WORK SHOWN ON SHEETS 1 - 12.

INDEX OF DRAWINGS

TITLE

SHEET NO.

COVER SHEET

LAYOUT, IRRIGATION, AND PLANTING PLANS

1-12 OF 13

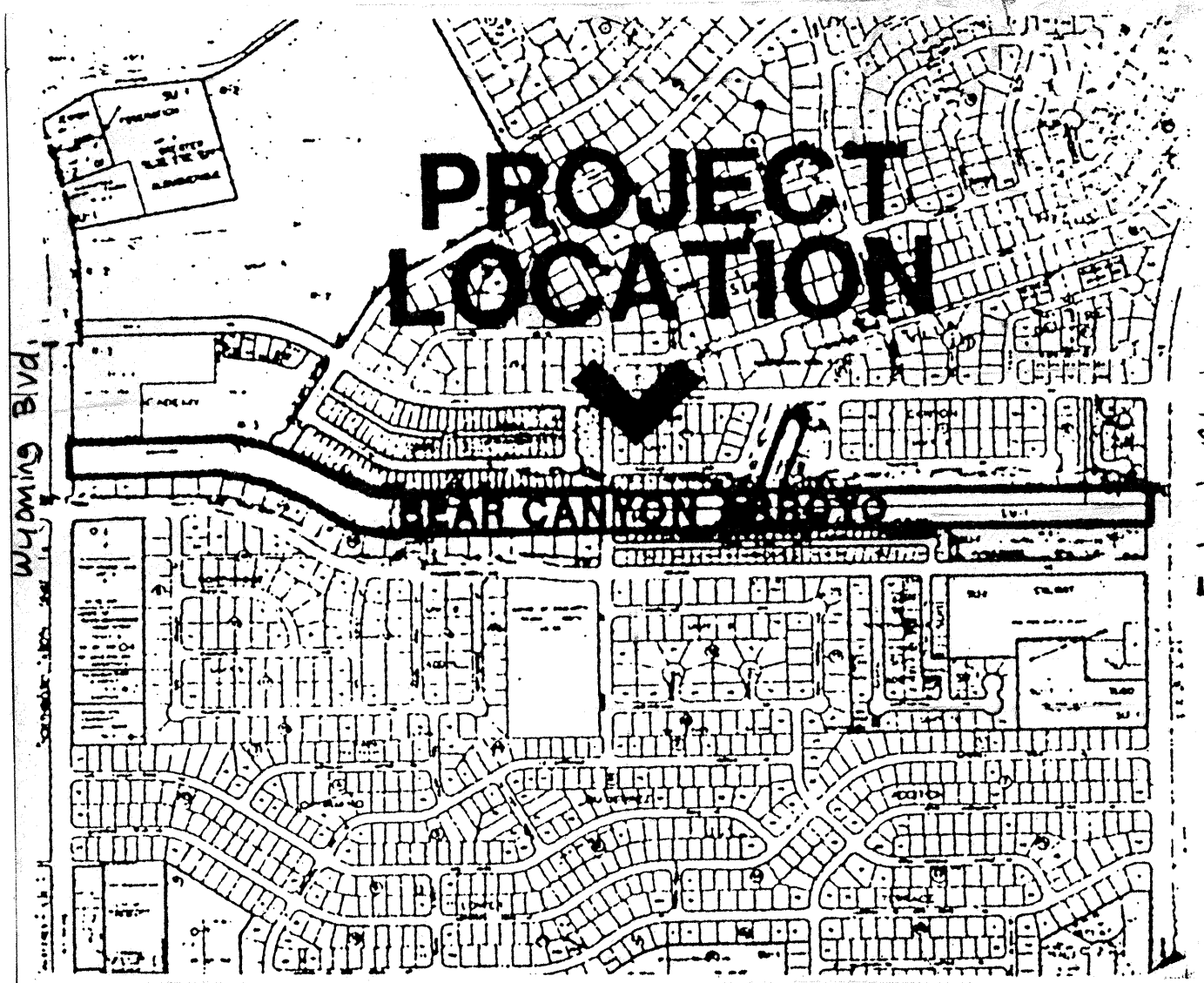
CONSTRUCTION, IRRIGATION AND PLANTING DETAILS

13 OF 13

WALTER WEAVER INC.

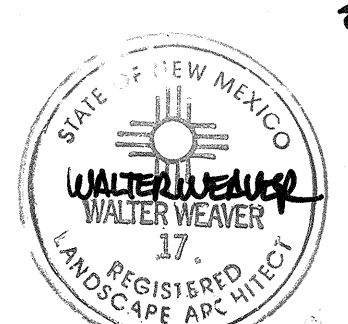
LANDSCAPE ARCHITECTS / ENVIRONMENTAL PLANNERS / GOLF COURSE ARCHITECTS
809 COPPER AVE NE SUITE 100C ALBUQUERQUE, NEW MEXICO 87102 (505)243-3556

SET NUMBER: _____



VICINITY MAP MAP NO. F-20-Z

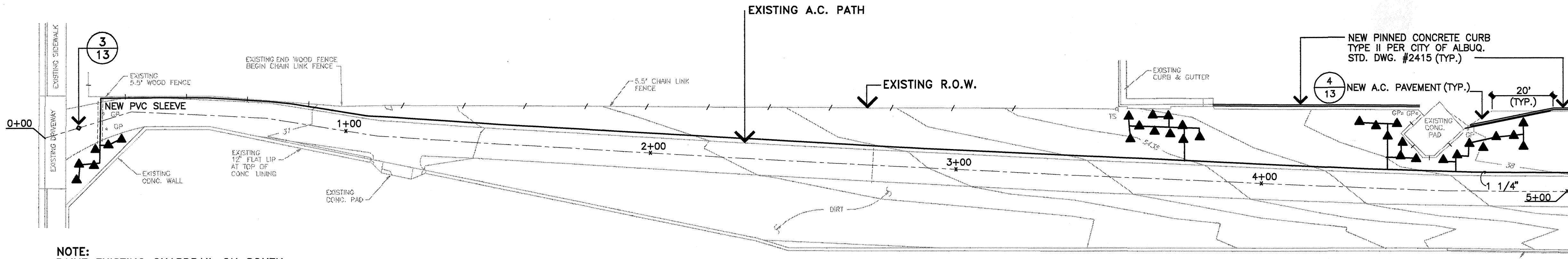
- ALL WORK TO BE IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION WITH UPDATE #5, OR PER ATTACHED SPECIFICATIONS.
- THREE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE.
- TWO WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
- THE CONTRACTOR SHALL CONTACT NEW MEXICO ON CALL SYSTEM PHONE: 260-1990, TO LOCATE UNDERGROUND UTILITIES 2 WORK DAYS PRIOR TO BEGINNING EXCAVATION.
- THE CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING OPERATIONS 764-1599 FOR REMOVAL AND REPLACEMENT OF TRAFFIC SIGNS.
- THE CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING IMPROVEMENTS ARE TO REMAIN, UNLESS SPECIFICALLY NOTED TO BE REMOVED. CONTRACTOR SHALL REPAIR ANY CONTRACTOR-CAUSED DAMAGE, AS DETERMINED BY THE ENGINEER TO EXISTING IMPROVEMENTS TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE NOTED OR PROVIDED HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS "BEAR CANYON ARROYO TRAIL IMPROVEMENTS".
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CHECK ALL DIMENSIONS, HORIZONTAL AND VERTICAL, AND SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CONFLICT CAN BE RESOLVED WITH THE MINIMUM AMOUNT OF DELAY.
- FOR PURPOSES OF THIS PROJECT, THE TERM ENGINEER SHALL REFER TO EITHER THE OWNER'S EMPLOYEE OR THE LANDSCAPE ARCHITECT RESPONSIBLE FOR CONSTRUCTION INSPECTION OF THE PROJECT.
- ALL REFERENCES TO COMPACTED BACKFILL OR COMPACTED SUBGRADE SHALL MEAN SOIL COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 UNLESS OTHERWISE NOTED.
- 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 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.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		[Signature]		[Signature]		8/25/95	
		[Signature]		[Signature]		8/25/95	
		[Signature]		[Signature]		8-30-95	
		[Signature]		[Signature]		9-26-95	
City Project No.		4601.90					

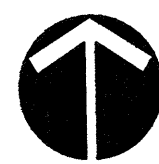
APPROVED FOR CONSTRUCTION

[Signature] 9/26/95
City Engineer Date

WYOMING BLVD. N.E.



NOTE:
PAINT EXISTING GUARDRAIL ON SOUTH
SIDE OF BRIDGE TO MATCH GUARDRAIL
ON NORTH SIDE OF BRIDGE.



SCALE: 1" = 20' HOR.

20 10 0 20

IRRIGATION PLAN

PLANT SCHEDULE THIS SHEET ONLY

KEY SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES					
A ELEAEAGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12" TALL	24" BOX	1	
SHRUBS					
B CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	27	
C FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	6	

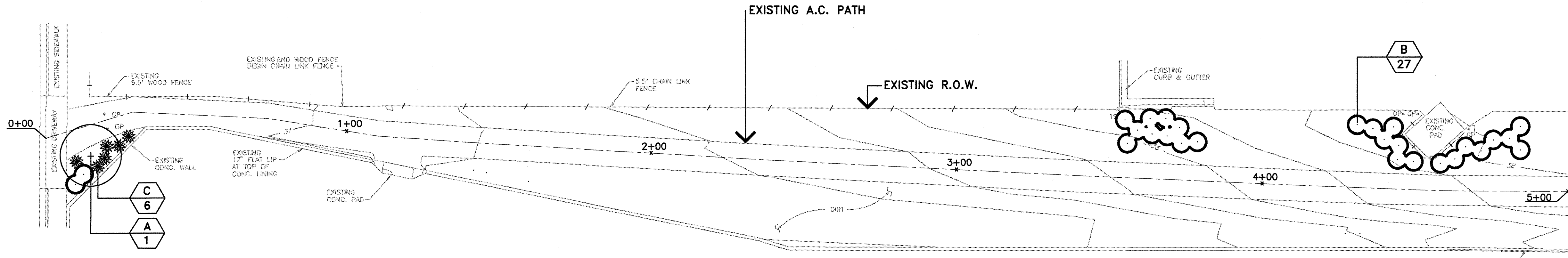
NATIVE SEEDING

SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (5 TABLETS), FIFTEEN GALLON (15 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.

WYOMING BLVD. N.E.



SCALE: 1" = 20' HOR.

20 10 0 20

PLANTING PLAN

GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

ITEM PRODUCT DESCRIPTION

- 1 1/2" METER SERVICE BY OTHERS
- ELECTRONIC CONTROLLER SOLATROL 16 STA. W/ EXPANDER KIT INCLUDE SOLENOID ACTUATORS AT 11 VALVES
- PRESSURE VACUUM BREAKER
- MASTER VALVE
- TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
- BUBBLER - TORO 570 POP-UP
- 2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
- PVC LATERAL - 1" UNLESS NOTED OTHERWISE
- PVC SLEEVE - 2 SIZES LARGER THAN PIPE
- CONTROL WIRE

LEGEND (EXISTING FEATURES)

- MANHOLE (UNDETERMINED)
- DI DROP INLET
- GP GUARD POST
- TS TRAFFIC SIGN
- D DECIDUOUS TREE
- ELEVATION AT NATURAL GROUND
- ELEVATION ON TOP OF ASPHALT
- ELEV. AT TOP OF CURB/FLOW LINE
- ELEVATION ON CONCRETE
- ELEVATION AT TOP OF WALL
- ELEVATION AT BACK OF SIDEWALK

62712-1

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENT

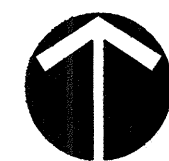
TITLE: LAYOUT, IRRIGATION, AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	9/24/95	WATER	N/A RWK	8-30-95
TRANSPORTATION	<i>[Signature]</i>	9-01-95	WASTE WATER	N/A RWK	8-30-95
HYDROLOGY	<i>[Signature]</i>	See title sheet			
DRAWING NO.	4601.90	MAP NO. F-20-Z	SHEET 1 OF 13		

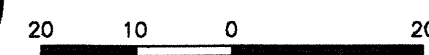
SEE SHEET 1 OF 13

MATCHLINE

LAYOUT AND IRRIGATION PLAN



SCALE: 1" = 20' HOR.



PLANT SCHEDULE - THIS SHEET ONLY

KEY SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES					
A ELEAEGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12" TALL	24" BOX	1	
SHRUBS					
B CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	61	
C FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	14	

NATIVE SEEDING

SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELLOA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXCOA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL, CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (3 TABLETS), FIFTEEN GALLON (4 TABLETS), AND (5 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.

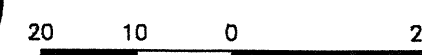
SEE SHEET 1 OF 13

MATCHLINE

PLANTING PLAN



SCALE: 1" = 20' HOR.



GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

Final PRODUCT DESCRIPTION

- ☒ 1 1/2" METER SERVICE BY OTHERS
- ☐ ELECTRONIC CONTROLLER
- ☐ SOLATROL 16 STA. W/ EXPANDER KIT
- ☐ INCLUDE SOLENOID ACTUATORS AT 11 VALVES
- ☐ PRESSURE VACUUM BREAKER
- ☐ MASTER VALVE
- ☐ TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
- ☐ BUBBLER - TORO 570 POP-UP
- ☐ 2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
- ☐ PVC LATERAL - 1" UNLESS NOTED OTHERWISE
- ☐ PVC SLEEVE - TWO SIZES LARGER THAN PIPE
- ☐ CONTROL WIRE

AS BUILT INFORMATION

CONTRACTOR

WORK

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

BENCH MARKS

CONTRACTOR

WORK

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

SURVEY INFORMATION

CONTRACTOR

WORK

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

FIELD NOTES

CONTRACTOR

WORK

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

ENGINEER'S SEAL

CONTRACTOR

WORK

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

MICRO-FILM INFORMATION

CONTRACTOR

WORK

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

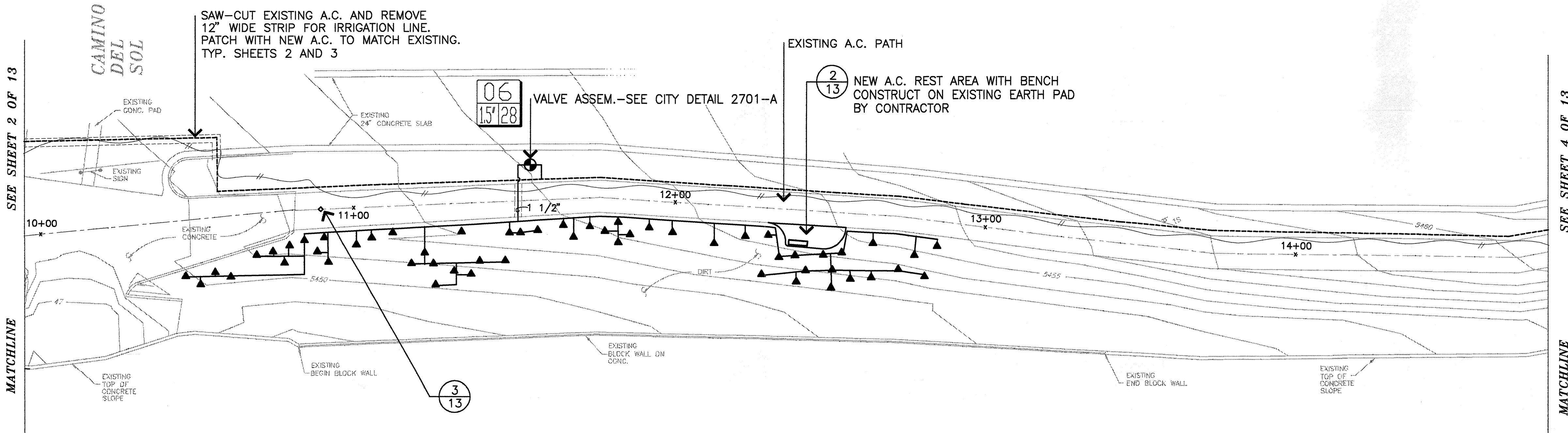
DATE

DATE

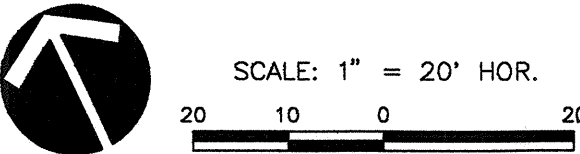
CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENTTITLE:
LAYOUT, IRRIGATION AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	9-26-95	WATER	N/A	RWK 8-30-95
TRANSPORTATION	<i>[Signature]</i>	9-01-95	WASTE WATER	N/A	RWK 8-30-95
HYDROLOGY	<i>[Signature]</i>	9-26-95			

DRAWING NO. 4601, 90 MAP NO. F-20-Z SHEET 2 OF 13



LAYOUT AND IRRIGATION PLAN



PLANT SCHEDULE THIS SHEET ONLY

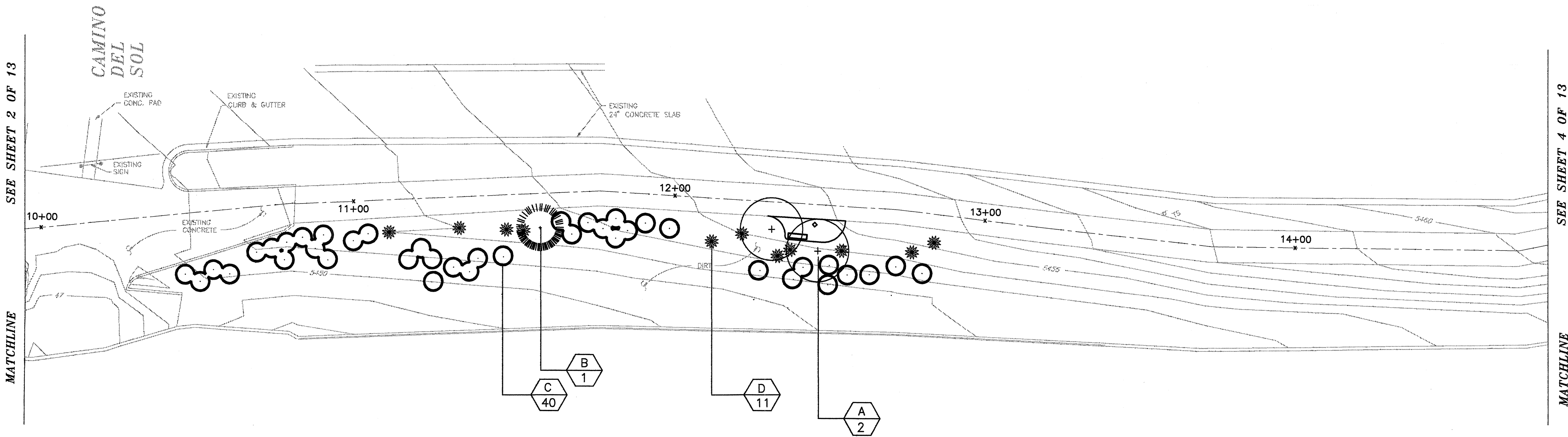
KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES						
A	ELEAGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12" TALL	24" BOX	2	
B	PINUS NIGRA	AUSTRIAN BLACK PINE	6'-8" TALL	B&B	1	
SHRUBS						
C	CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	40	
D	FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	11	

NATIVE SEEDING

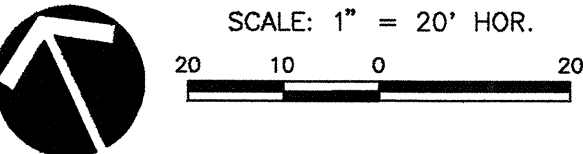
SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (5 TABLETS), FIFTEEN GALLON (15 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.



PLANTING PLAN



GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

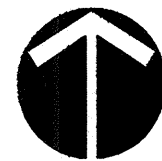
SYMBOL	PRODUCT DESCRIPTION
[M]	1 1/2" METER SERVICE BY OTHERS
[C]	ELECTRONIC CONTROLLER SOLATROL 16 STA. W/ EXPANDER KIT INCLUDE SOLENOID ACTUATORS AT 11 VALVES
[P]	PRESSURE VACUUM BREAKER
[M]	MASTER VALVE
[T]	TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
[B]	BUBBLER - TORO 570 POP-UP
[L]	2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
[S]	PVC LATERAL - 1" UNLESS NOTED OTHERWISE
[V]	PVC SLEEVE - TWO SIZES LARGER THAN PIPE
[W]	CONTROL WIRE

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION			
CONTRACTOR	DATE	WORK STARTED BY	DATE	ACS CONTROL STATION	ELEVATION	ACS CONTROL STATION	ELEVATION	FIELD NOTES	ENGINEER'S SEAL	REVISIONS	BY
				5440.56		5534.48					
DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	RECORDED BY	DATE				
WW INC.	8/25/95	WW INC.	8/25/95	WW INC.	8/25/95						

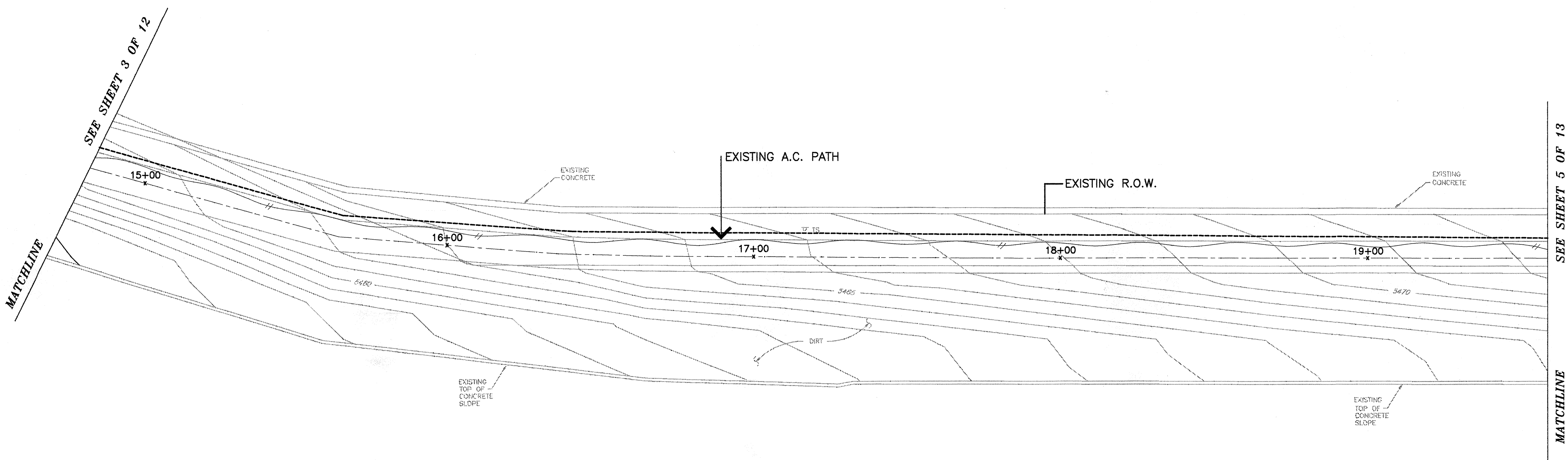


CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN AND DEVELOPMENT					
TITLE: LAYOUT, IRRIGATION AND PLANTING PLAN BEAR CANYON ARROYO TRAIL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	9-26-95	WATER	N/A	RWE 8-30-95
TRANSPORTATION	<i>[Signature]</i>	9-01-95	WASTE WATER	N/A	RWE 8-30-95
HYDROLOGY	<i>[Signature]</i>	See Title Sht.			
DRAWING NO.	4601,90	MAP NO.	F-20-Z	SHEET	3 OF 13

LAYOUT AND IRRIGATION PLAN



SCALE: 1" = 20' HOR.



NATIVE SEEDING

SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL, CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (5 TABLETS), FIFTEEN GALLON (15 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.

GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IF THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

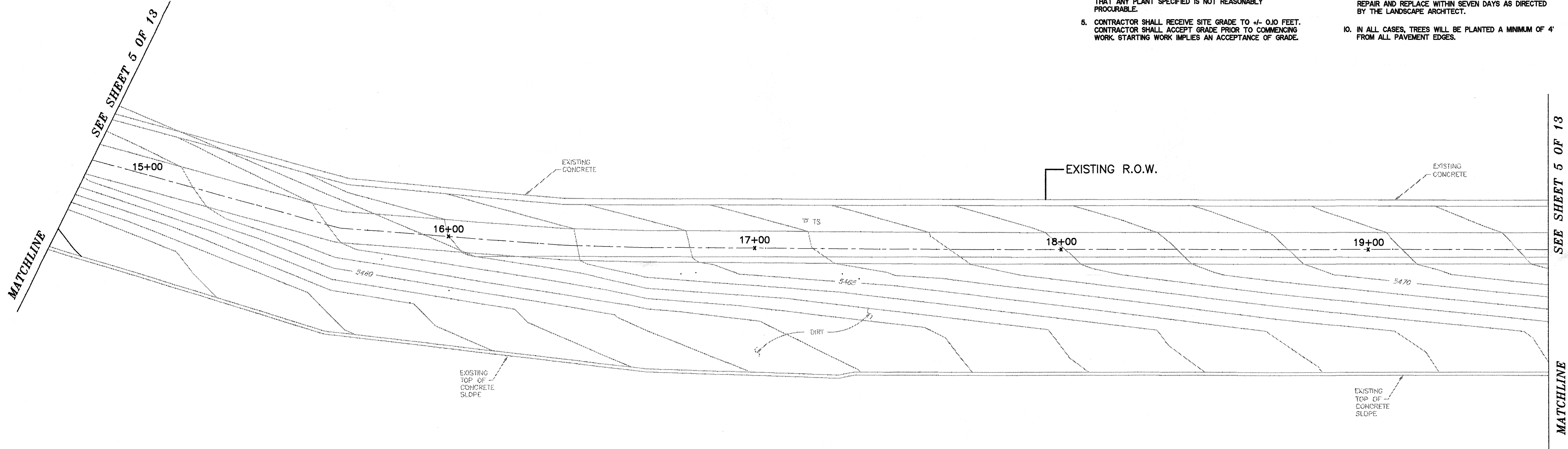
IRRIGATION SCHEDULE

- | SYM. | PRODUCT DESCRIPTION |
|------|--|
| M | 1 1/2" METER SERVICE BY OTHERS |
| C | ELECTRONIC CONTROLLER
SOLATROL 16 STA. W/ EXPANDER KIT
INCLUDE SOLENOID ACTUATORS AT 11 VALVES |
| ⊙ | PRESSURE VACUUM BREAKER |
| ⊕ | MASTER VALVE |
| ▲ | BUBBLER - TORO 570 POP-UP |
| --- | 2 1/2" DIAM. PVC MAINLINE - ALL SHEETS |
| --- | PVC LATERAL - 1" UNLESS NOTED OTHERWISE |
| --- | PVC SLEEVE - TWO SIZES LARGER THAN PIPE |
| --- | CONTROL WIRE |

PLANTING PLAN



SCALE: 1" = 20' HOR.



CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENT

TITLE: LAYOUT, IRRIGATION AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

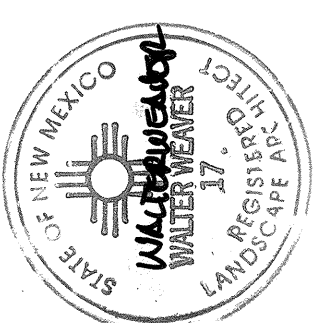
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	9-26-95	WATER	N/A RWE	8-30-95
TRANSPORTATION	<i>[Signature]</i>	9-01-95	WASTE WATER	N/A RWE	8-30-95
HYDROLOGY	<i>[Signature]</i>	See Title Sht.			

DRAWING NO.	4601.90	MAP NO.	F-20-Z	SHEET	4	OF	13
-------------	---------	---------	--------	-------	---	----	----

SURVEY INFORMATION

FIELD NOTES

ENGINEER'S SEAL



NO.	DATE	REVISIONS	BY
		DESIGN	
DESIGNED BY	WM INC.	DATE	8/25/95
DRAWN BY	WM INC.	DATE	8/25/95
CHECKED BY	WM INC.	DATE	8/25/95

SEE SHEET 4 OF 13

MATCHLINE

LAYOUT AND IRRIGATION PLAN



SCALE: 1" = 20' HOR.

20 10 0 20

SEE SHEET 6 OF 13

MATCHLINE

VALVE ASSEM. - SEE CITY DETAIL 2701-A

EXISTING A.C. PATH

EXISTING CONCRETE

NEW SLEEVE

NEW A.C. REST AREA WITH BENCH
CONSTRUCT ON EXISTING EARTH PAD

PLANT SCHEDULE THIS SHEET ONLY

KEY SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES					
A ELEAEAGNUS ANGSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12' TALL	24" BOX	2	
SHRUBS					
B CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	7	
C FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	8	

NATIVE SEEDING

SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCRURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (5 TABLETS), FIFTEEN GALLON (15 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.

SEE SHEET 5 OF 13

MATCHLINE

PLANTING PLAN



SCALE: 1" = 20' HOR.

20 10 0 20

SEE SHEET 6 OF 13

MATCHLINE

EXISTING A.C. PATH

EXISTING CONCRETE

NEW SLEEVE

NEW A.C. REST AREA WITH BENCH
CONSTRUCT ON EXISTING EARTH PAD

GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

SYMBOL PRODUCT DESCRIPTION

- 1 1/2" METER SERVICE BY OTHERS
- ELECTRONIC CONTROLLER
SOLATROL 16 STA. W/ EXPANDER KIT
INCLUDE SOLENOID ACTUATORS AT 11 VALVES
- PRESSURE VACUUM BREAKER
- MASTER VALVE
- TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
- BUBBLER - TORO 570 POP-UP
- 2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
- PVC LATERAL - 1" UNLESS NOTED OTHERWISE
- PVC SLEEVE - TWO SIZES LARGER THAN PIPE
- CONTROL WIRE

AS BUILT INFORMATION

BENCH MARKS			
ACS CONTROL STATION "3-F194E"	ELEVATION = 5440.56		CONTRACTOR
ACS CONTROL STATION "5-F204K"	ELEVATION = 5534.49		WORKS STARTED BY
			INSPECTION ACCEPTED BY
			DRAWING CHECKED BY
			FIELD VERIFIED BY
			RECORDED BY
			NO.

SURVEY INFORMATION

FIELD NOTES	ENGINEER'S SEAL

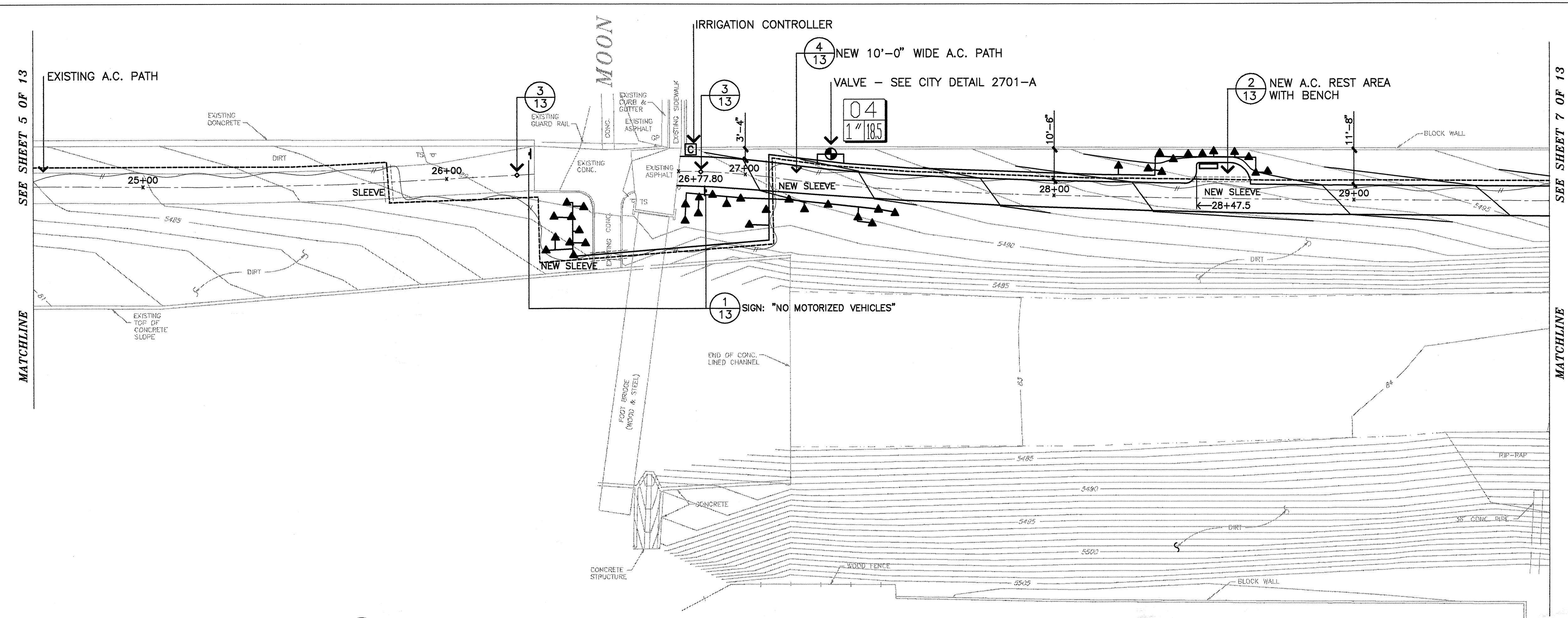
NO.	DATE	REMARKS	BY
DESIGN			
DESIGNED BY	WW INC.	8/25/95	
DRAWN BY	WW INC.	8/25/95	
CHECKED BY	WW INC.	8/25/95	

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENT

TITLE: LAYOUT, IRRIGATION AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	9-26-95	WATER	NA RUE	8-30-95
TRANSPORTATION	<i>[Signature]</i>	9-01-95	WASTE WATER	NA RUE	8-30-95
HYDROLOGY	See Title Sht.				

DRAWING NO.	4601.90	MAP NO.	F-20-Z	SHEET	5	OF	13
-------------	---------	---------	--------	-------	---	----	----



LAYOUT AND IRRIGATION PLAN

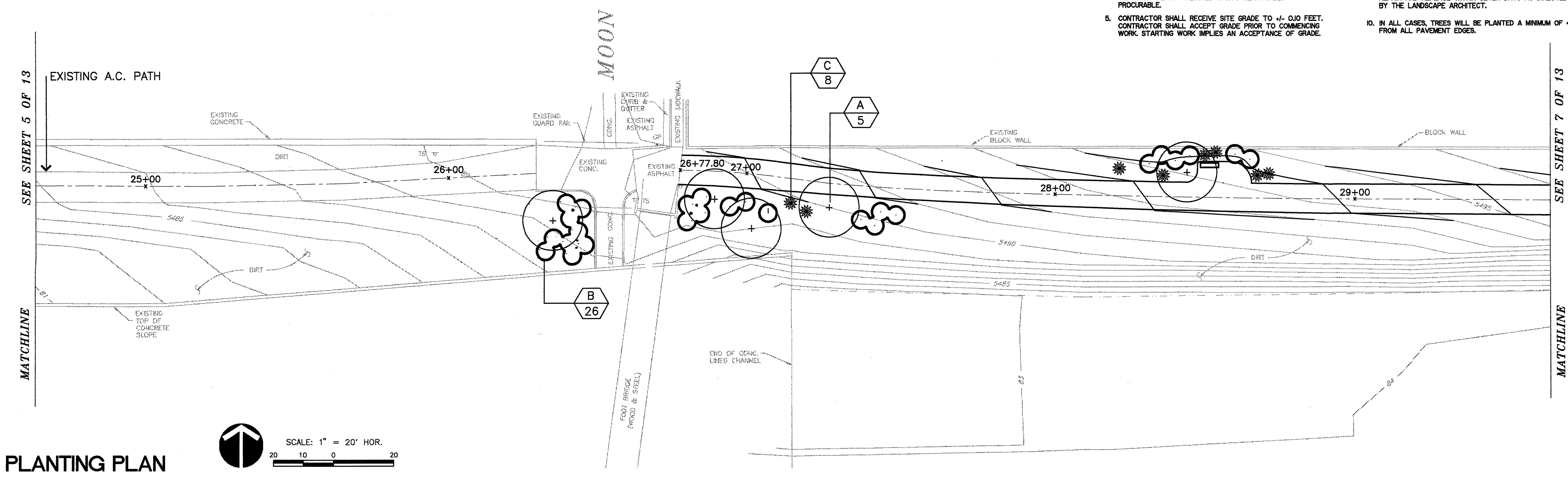
PLANT SCHEDULE THIS SHEET ONLY

KEY SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES					
A ELEAEGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12' TALL	24" BOX	5	
SHRUBS					
B CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	26	
C FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	8	

NATIVE SEEDING

SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELLOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

- GENERAL PLANTING NOTES:
- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
 - IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
 - THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
 - PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
 - CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
 - PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
 - BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
 - ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (3 TABLETS), FIFTEEN GALLON (4 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
 - THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
 - IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.



PLANTING PLAN

GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

SYM	PRODUCT DESCRIPTION
M	1 1/2" METER SERVICE BY OTHERS
C	ELECTRONIC CONTROLLER SOLATROL 16 STA. W/ EXPANDER KIT INCLUDE SOLENOID ACTUATORS AT 11 VALVES
⊙	PRESSURE VACUUM BREAKER
⊗	MASTER VALVE
⊕	TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
▲	BUBBLER - TORO 570 POP-UP
---	2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
---	PVC LATERAL - 1" UNLESS NOTED OTHERWISE
---	PVC SLEEVE - 2 SIZES LARGER THAN PIPE
---	CONTROL WIRE

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
ASSEMBLED BY	DATE
FIELD LOCATION BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS CONTROL STATION "3-F1948"	ELEVATION = 5440.56
ACS CONTROL STATION "5-F204"	ELEVATION = 5534.49

SURVEY INFORMATION

FIELD NOTES	ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY: *W. INC.* DATE: 8/25/95
DRAWN BY: *W. INC.* DATE: 8/25/95
CHECKED BY: *W. INC.* DATE: 8/25/95

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENT

TITLE: LAYOUT, IRRIGATION AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>Sgt. Landberg</i>	9-26-95	WATER	<i>MA RWE</i>	8-30-95
TRANSPORTATION	<i>R. Boudet</i>	7-01-95	WASTE WATER	<i>MA RWE</i>	8-30-95
HYDROLOGY	<i>See Title Sht.</i>				

DRAWING NO. 4601.90 MAP NO. F-20-Z SHEET 6 OF 13

1800-328-2047
NEW BRIDGE BY CONTINENTAL BRIDGE.
10'X70' SELF WEATHERING STEEL BRIDGE
WITH METAL GRATE DECKING. SEE DETAIL
FOR FOOTINGS. (6,7)



NATIVE SEEDING				
SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE	
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0	PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0	PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0	PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL	09.0 PLS PER ACRE

1.	CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.	6.	PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
2.	IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.	7.	BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
3.	THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT THE CONDITIONS EXIST THAT WERE NOT COMING IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.	8.	ADD 25 GRAMS AIRDRYING TABLETS (20-40-20) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (5 TABLETS), FIFTEEN GALLON (15 TABLETS), AND (5 TABLETS) PER CALIFER INCH FOR ALL TREES.
4.	PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT. PROOF OF ACCEPTANCE FROM THE ARCHITECT MUST BE OBTAINED BEFORE ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.	9.	THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
5.	CONTRACTOR SHALL RECEIVE SITE GRADE TO +0.00 FEET. CONTRACTOR SHALL ACCEPT GRADE AS SHOWN ON THE PLANS. WORK STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.	10.	IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAYMENT EDGES.

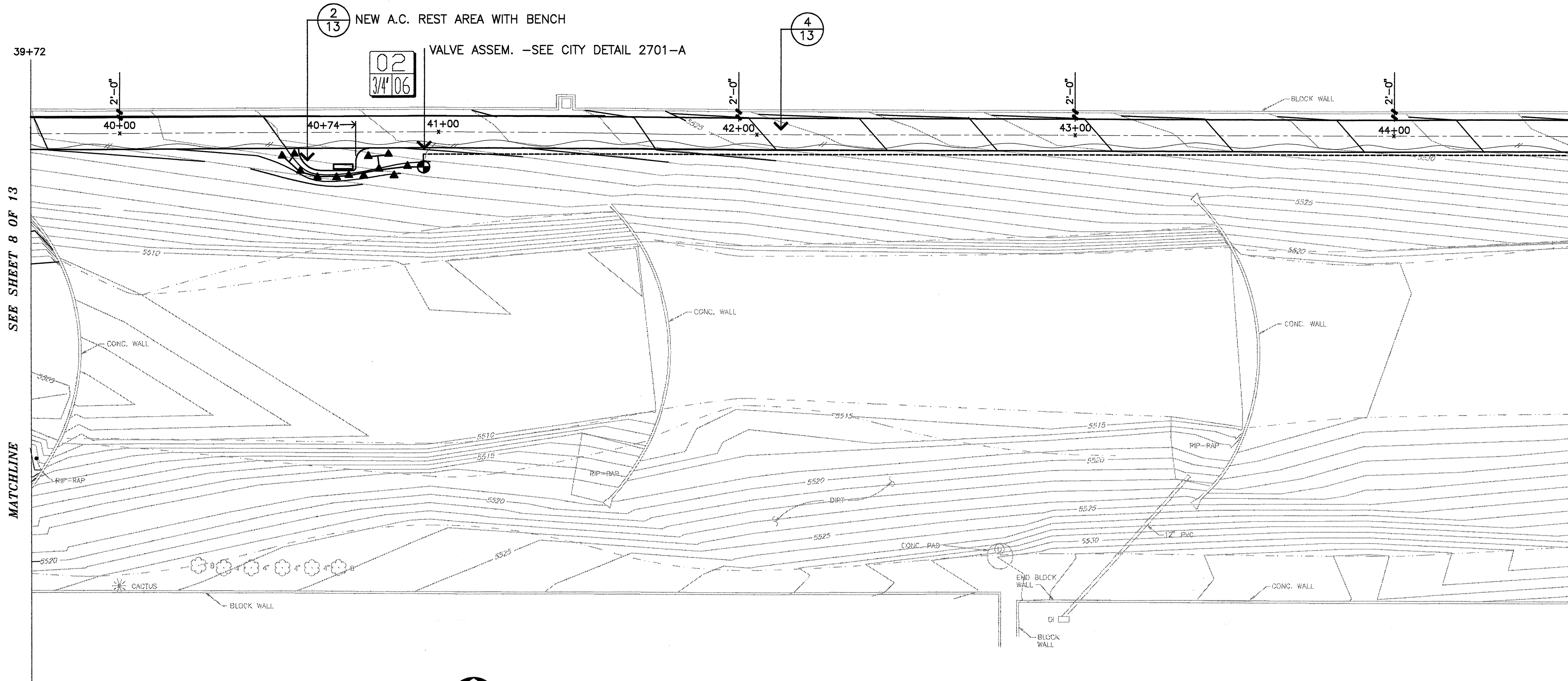


1. CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
2. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
3. THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXISTS THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
4. IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
5. ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
6. ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
7. ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
8. ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
9. ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

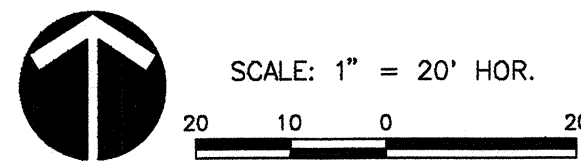
SYMBOL	PRODUCT DESCRIPTION
M	1 1/2" METER SERVICE BY OTHERS
C	ELECTRONIC CONTROLLER SOLATROL 16 STA. W/ EXPANDER KIT INCLUDE SOLENOID ACTUATORS AT 11 VALVES
⊕	PRESSURE VACUUM BREAKER
⊕	MASTER VALVE
⊕	TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
▲	BUBBLER - TORO 570 POP-UP
---	2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
---	PVC LATERAL - 1" UNLESS NOTED OTHERWISE
---	PVC PEEVE - TWO SIZES LARGER THAN PIPE
⋈	CONTROL WIRE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. A. Gendley</i>	9-26-95	WATER	N/A RWK	8-30-95
TRANSPORTATION	<i>R. A. Gendley</i>	9-01-95	WASTE WATER	N/A RWK	8-30-95
HYDROLOGY	<i>See Title Sheet</i>				

DRAWING NO.	4601, 90	MAP NO. F-20-Z	SHEET 7	OF 13
----------------	----------	-------------------	------------	----------



LAYOUT AND IRRIGATION PLAN



PLANT SCHEDULE THIS SHEET ONLY

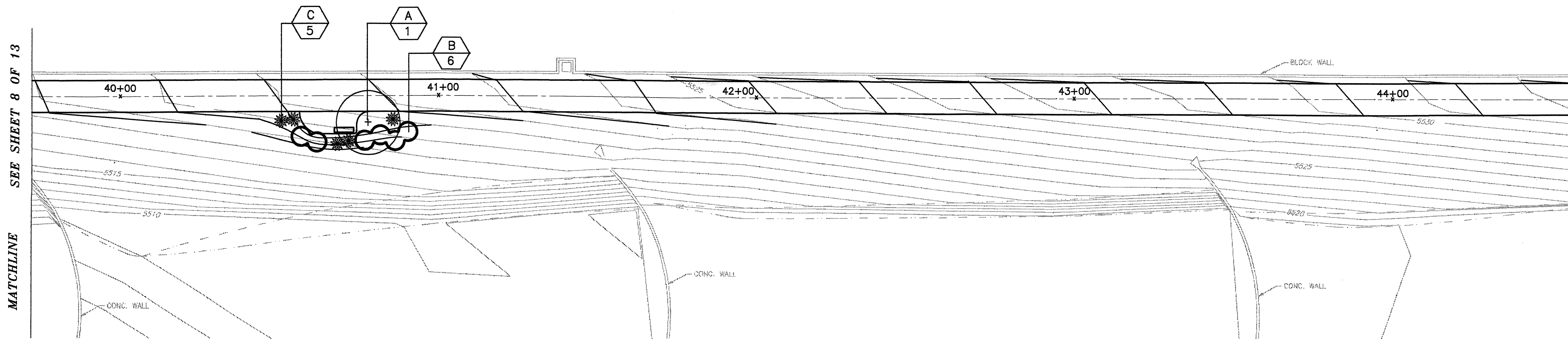
KEY SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES					
A ELEANAGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12' TALL	24" BOX	1	
SHRUBS					
B CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	6	
C FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	5	

NATIVE SEEDING THIS SHEET ONLY

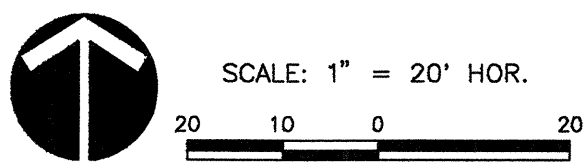
SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLURIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (5 TABLETS), FIFTEEN GALLON (4 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.



PLANTING PLAN



GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THE CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

- SYM PRODUCT DESCRIPTION
- 1 1/2" METER SERVICE BY OTHERS
 - ELECTRONIC CONTROLLER
SOLATROL 16 STA. W/ EXPANDER KIT
INCLUDE SOLENOID ACTUATORS AT 11 VALVES
 - PRESSURE VACUUM BREAKER
 - MASTER VALVE
 - TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
 - BUBBLER - TORO 570 POP-UP
 - 2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
 - PVC LATERAL - 1" UNLESS NOTE OTHERWISE
 - PVC SLEEVE - TWO SIZES LARGER THAN PIPE
 - CONTROL WIRE

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENT

TITLE: LAYOUT, IRRIGATION, AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

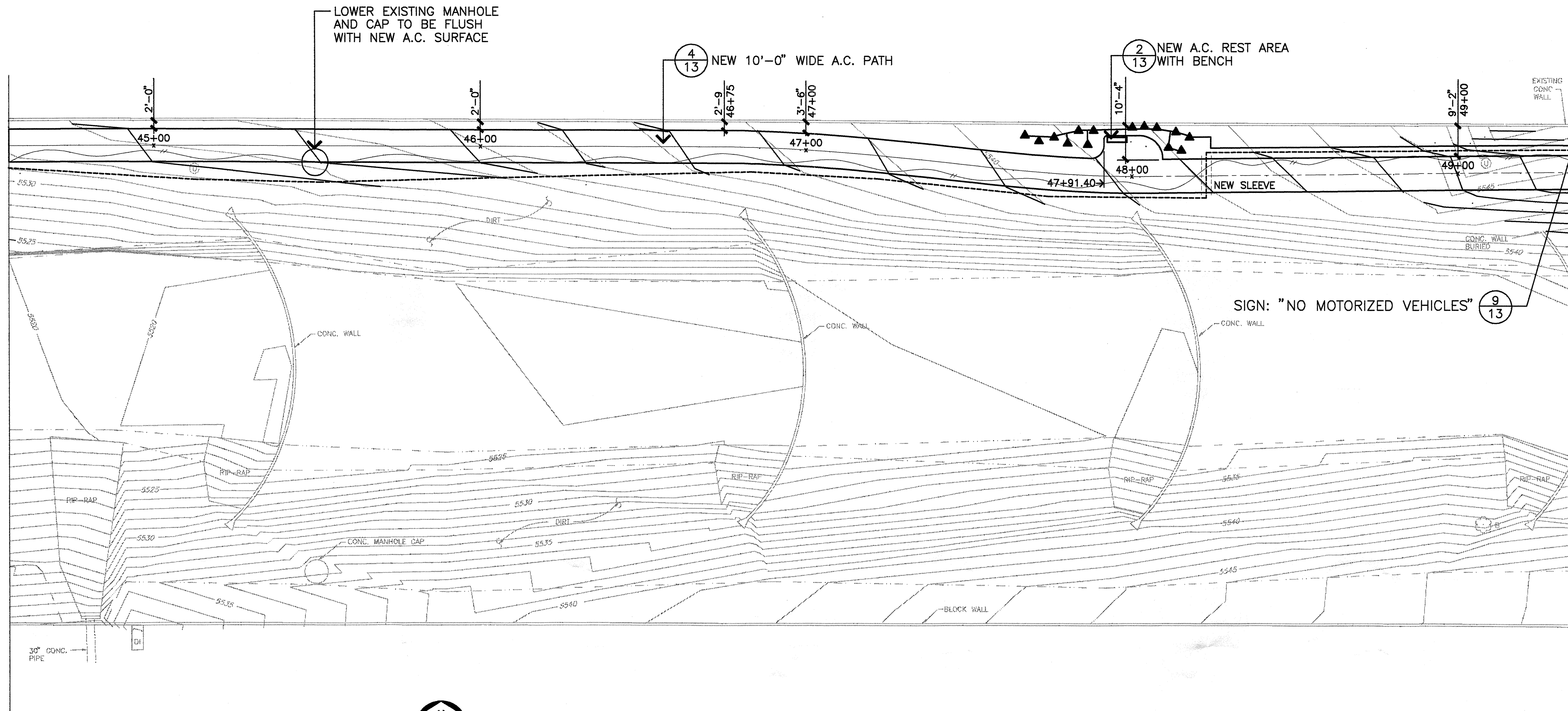
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B. G. Gandy</i>	7-26-95	WATER	<i>M. A. RWE</i>	8-30-95
TRANSPORTATION	<i>P. D. Dunt</i>	7-01-95	WASTE WATER	<i>M. A. RWE</i>	8-30-95
HYDROLOGY	<i>See Title Sht.</i>				

DRAWING NO.	4601,90	MAP NO.	F-20-Z	SHEET	9	OF	13
-------------	---------	---------	--------	-------	---	----	----

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ACS CONTROL STATION	ELEVATION	FIELD NOTES			
WORK STARTED BY	DATE	ACS CONTROL STATION	ELEVATION				
ACCEPTANCE BY	DATE						
FIELD INSPECTION BY	DATE						
DRAWINGS CORRECTED BY	DATE					NO.	DATE
MICRO-FILM INFORMATION	DATE					REMARKS	REVISIONS
RECORDED BY	DATE					DESIGNED BY	DESIGN
NO.						DRAWN BY	DATE
						CHECKED BY	DATE
							DATE

SEE SHEET 9 OF 13

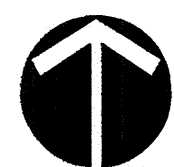
MATCHLINE



SEE SHEET 11 OF 13

MATCHLINE

LAYOUT AND IRRIGATION PLAN



SCALE: 1" = 20' HOR.
20 10 0 20

PLANT SCHEDULE THIS SHEET ONLY

KEY SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	QUANTITY	REMARKS
TREES					
A ELEAGNUS ANGUSTIFOLIA	RUSSIAN OLIVE	2" CAL. 10'-12" TALL	24" BOX	1	
SHRUBS					
B CHRYSOTHAMNUS NAUSEOSUS	CHAMISA	24" SPREAD	5 GALLON	6	
C FALLUGIA PARADOXA	APACHE PLUME	24" SPREAD	5 GALLON	7	

NATIVE SEEDING

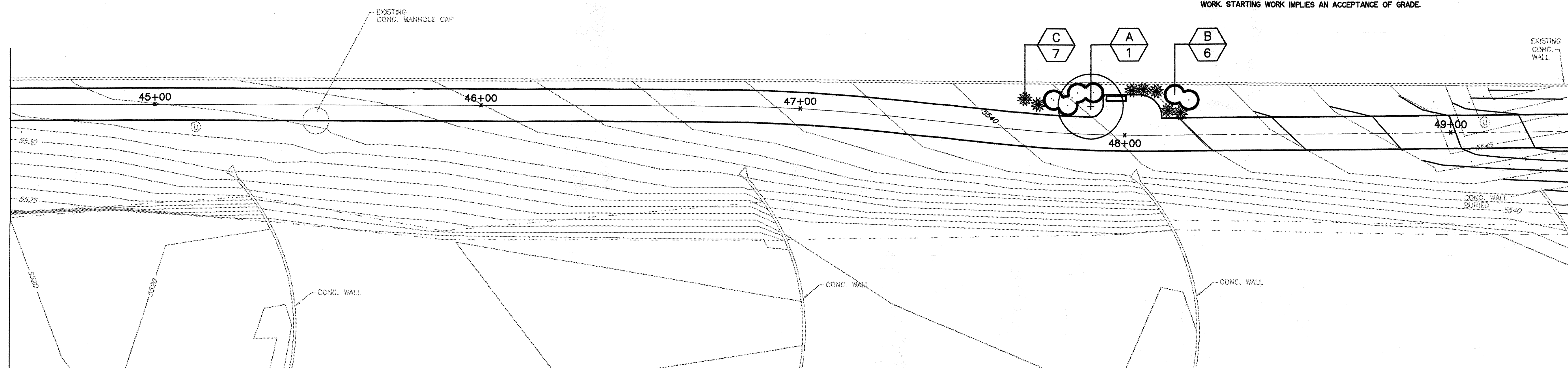
SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (3 TABLETS), FIFTEEN GALLON (4 TABLETS), AND (3 TABLETS) PER CALIPER INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.

SEE SHEET 9 OF 13

MATCHLINE



SEE SHEET 11 OF 13

PLANTING PLAN



SCALE: 1" = 20' HOR.
20 10 0 20

GENERAL IRRIGATION NOTES

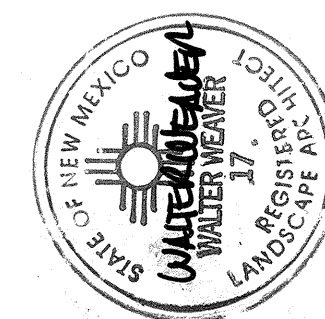
- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

IRRIGATION SCHEDULE

SYM PRODUCT DESCRIPTION

- 1 1/2" METER SERVICE BY OTHERS
- ELECTRONIC CONTROLLER
SOLATROL 16 STA. W/ EXPANDER KIT
INCLUDE SOLENOID ACTUATORS AT 11 VALVES
- PRESSURE VACUUM BREAKER
- MASTER VALVE
- TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
- BUBBLER - TORO 570 POP-UP
- 2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
- PVC LATERAL
- PVC SLEEVE - TWO SIZES LARGER THAN PIPE
- CONTROL WIRE

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION			
CONTRACTOR	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK STARTED BY	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK STOPPED BY	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK RESUMED BY	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK COMPLETED BY	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK CORRECTED BY	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK RECORDED BY	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE
WORK NO.	DATE	DATE	DATE	CONTRACTOR	DATE	DATE	DATE	FIELD NOTES	DATE	DATE	DATE



ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
DESIGNED BY	8/25/95		
DRAWN BY	8/25/95		
CHECKED BY	8/25/95		

CITY OF ALBUQUERQUE
PARKS AND GENERAL SERVICES
DESIGN AND DEVELOPMENT

TITLE: LAYOUT, IRRIGATION, AND PLANTING PLAN
BEAR CANYON ARROYO TRAIL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B. J. [Signature]	9-26-95	WATER	M. A. [Signature]	8-30-95
TRANSPORTATION	R. [Signature]	9-01-95	WASTE WATER	M. A. [Signature]	8-30-95
HYDROLOGY	See Title Sht.				

DRAWING NO.	4601.90	MAP NO.	F-20-Z	SHEET	10	OF	13
-------------	---------	---------	--------	-------	----	----	----



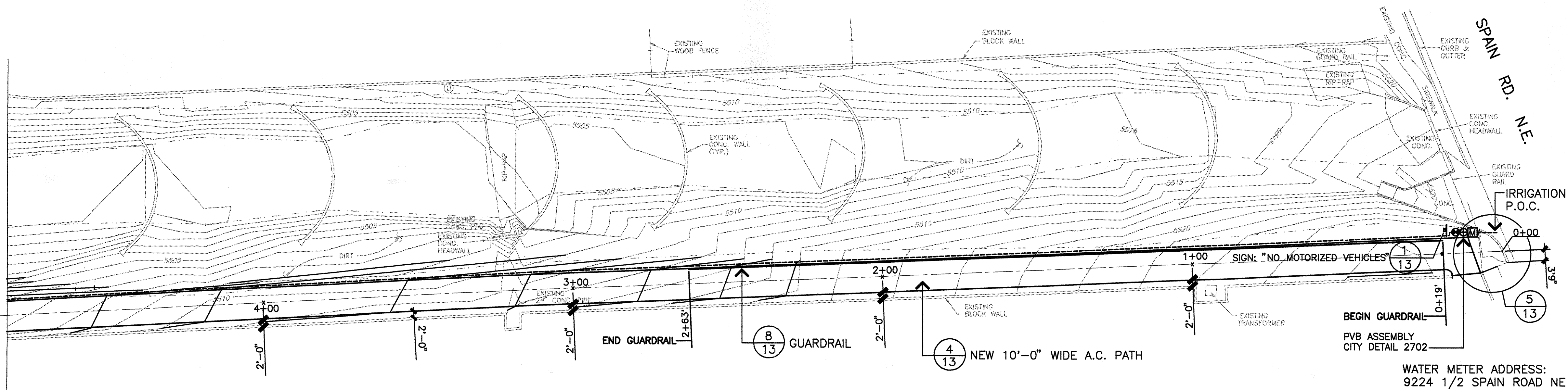
PLANTING PLAN

DRAWING NO.	4601.90	MAP NO. F-20-Z	SHEET 11	OF 13
----------------	---------	-------------------	-------------	----------

UPPER BEAR TRIBUTARY

SEE SHEET 7 OF 13

MATCHLINE



LAYOUT AND IRRIGATION PLAN



SCALE: 1" = 20' HOR.
20 10 0 20

NATIVE SEEDING

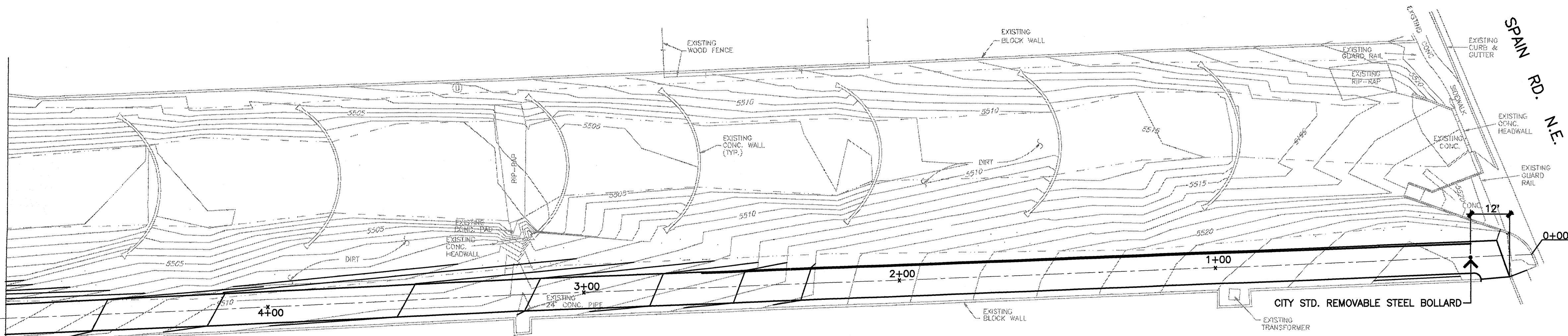
SCIENTIFIC NAME	COMMON NAME	VARIETY	APPLICATION RATE
BOUTELLOUA GRACILIS	BLUE GRAMA	LOVINGTON	03.0 PLS PER ACRE
BUCHLOE DACTYLOIDES	BUFFALO GRASS	TEXOCA	04.0 PLS PER ACRE
GALLARDIA ARTISTATA	FIRE WHEEL		02.0 PLS PER ACRE
SEEDING DATES: MAY 15 THROUGH JUNE 15, AND AUGUST 15 THROUGH SEPTEMBER 15.			TOTAL 09.0 PLS PER ACRE

GENERAL PLANTING NOTES:

- CONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL PLANT MATERIAL AS SHOWN ON THE PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS EXIST THAT WERE NOT CONSIDERED IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- PLANTS OF ANY KIND OTHER THAN THOSE INDICATED ON THE PLANT SCHEDULE WILL BE CONSIDERED BY THE LANDSCAPE ARCHITECT ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT SPECIFIED IS NOT REASONABLY PROCURABLE.
- CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FEET. CONTRACTOR SHALL ACCEPT GRADE PRIOR TO COMMENCING WORK. STARTING WORK IMPLIES AN ACCEPTANCE OF GRADE.
- PLANT MATERIAL SHALL BE PLANTED AS SOON AS POSSIBLE AFTER DELIVERY TO PROJECT SITE.
- BACKFILL ALL PLANTS WITH PREPARED BACKFILL CONSISTING OF TWO PARTS NATIVE SOIL TO ONE PART ORGANIC MATERIAL.
- ADD 21 GRAMS AGRIFORM TABLETS (20-10-5) ANALYSIS TO ALL PLANT PITS AS FOLLOWS: ONE GALLON (1 TABLET), TWO GALLON (2 TABLETS), FIVE GALLON (3 TABLETS), FIFTEEN GALLON (4 TABLETS), AND (3 TABLETS) PER CALIF. INCH FOR ALL TREES.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL, CONSTRUCTION MATERIALS, AND LABOR FOR A PERIOD OF ONE YEAR (365 DAYS) FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL REPAIR AND REPLACE WITHIN SEVEN DAYS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- IN ALL CASES, TREES WILL BE PLANTED A MINIMUM OF 4' FROM ALL PAVEMENT EDGES.

SEE SHEET 7 OF 13

MATCHLINE



PLANTING PLAN



SCALE: 1" = 20' HOR.
20 10 0 20

GENERAL IRRIGATION NOTES

- CONTRACTORS SHALL EXAMINE THE SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS PERTINENT TO THIS WORK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES AND TO AVOID DAMAGE TO SAME.
- THE CONTRACTOR WILL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT CONDITIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN OF THE SYSTEM. SUCH CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT CONTRACTOR DOES NOT NOTIFY THE LANDSCAPE ARCHITECT, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- IRRIGATION SYSTEM HAS BEEN DESIGNED TO A STATIC PRESSURE OF 55 PSI WITH A MAXIMUM DEMAND OF 54 GPM.
- ALL VALVE BOXES TO BE PLACED NO FURTHER THAN 6 INCHES FROM THE NEAREST CURB, SIDEWALK, OR INDICATED PAVED SURFACE.
- ACTUAL FIELD CONDITIONS MAY NECESSITATE ADDING, DELETING, OR MAKING MINOR ADJUSTMENTS IN SPACING OF HEADS TO INSURE UNIFORM COVERAGE AND DISTRIBUTION.
- ALL LATERAL AND DISTRIBUTION LINES TO BE CLASS 200 PVC AT A MINIMUM OF 12 INCHES BELOW FINISH GRADE.
- ALL POP-UP TYPE IRRIGATION HEADS SHALL BE INSTALLED SO THAT THE TOP OF HEAD IS 1 INCH ABOVE FINISH GRADE AND FLUSH WITH ADJACENT SIDEWALKS AND CURBS.
- ALL PRESSURE LINES TO BE SCHEDULE 40 PVC AT A MINIMUM DEPTH OF 24 INCHES BELOW FINISH GRADE.

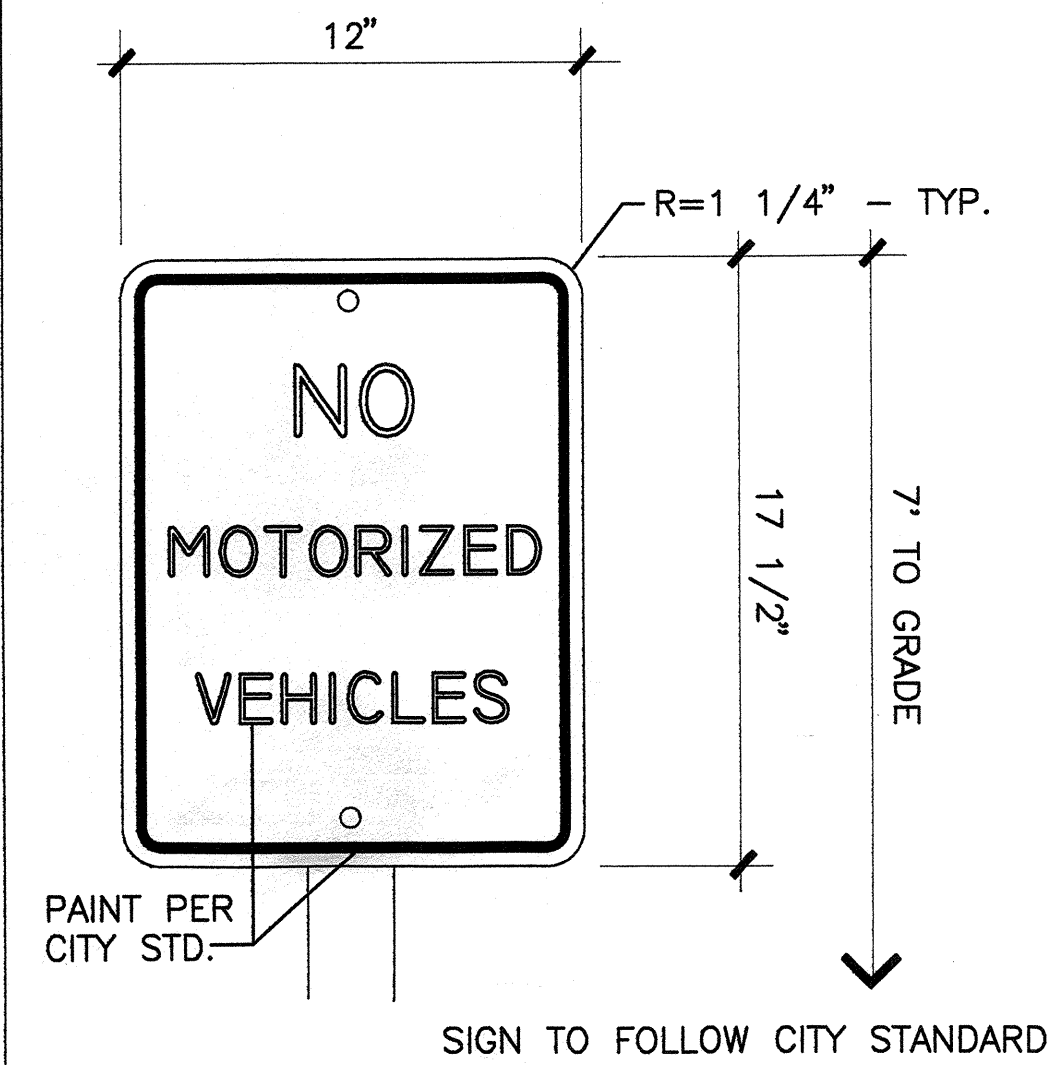
IRRIGATION SCHEDULE

SYM.	PRODUCT DESCRIPTION
1	1 1/2" METER SERVICE BY OTHERS
2	ELECTRONIC CONTROLLER SOLATROL 16 STA. W/ EXPANDER KIT INCLUDE SOLENOID ACTUATORS AT 11 VALVES
3	PRESSURE VACUUM BREAKER
4	MASTER VALVE
5	TORO SERIES 216 AUTOMATIC VALVE SIZED PER PLAN
6	BUBBLER - TORO 570 POP-UP
7	2 1/2" DIAM. PVC MAINLINE - ALL SHEETS
8	PVC LATERAL - 1" UNLESS NOTED OTHERWISE
9	PVC SLEEVE - TWO SIZES LARGER THAN PIPE
10	CONTROL WIRE

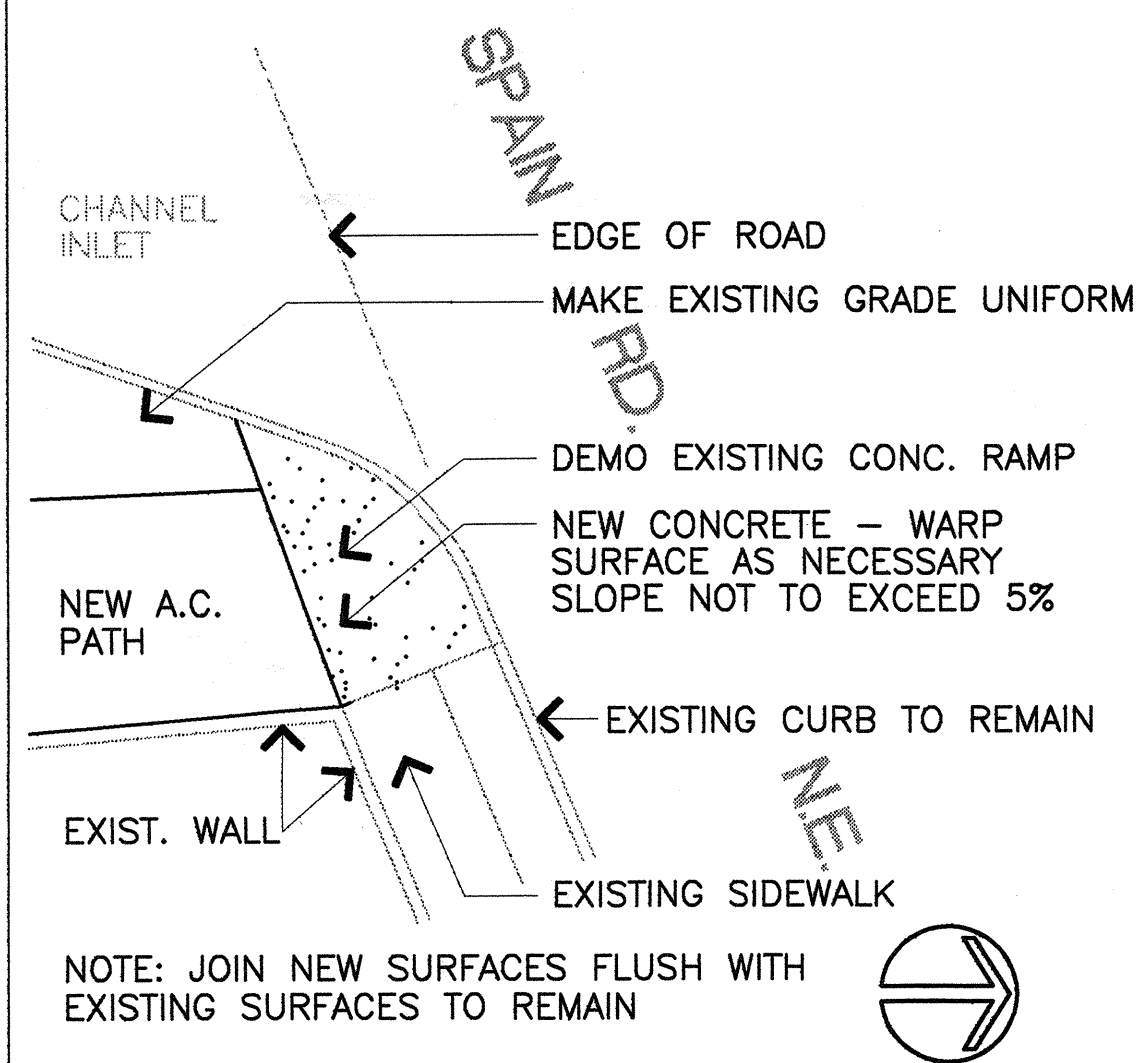
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	FIELD NOTES	BY	REMARKS	BY
WORK STARTED BY	DATE	WORK STOPPED BY	DATE				
FIELD INSPECTION BY	DATE	FIELD INSPECTION BY	DATE				
REVISIONS BY	DATE	REVISIONS BY	DATE				
RECORDED BY	DATE	RECORDED BY	DATE				
NO.		NO.					



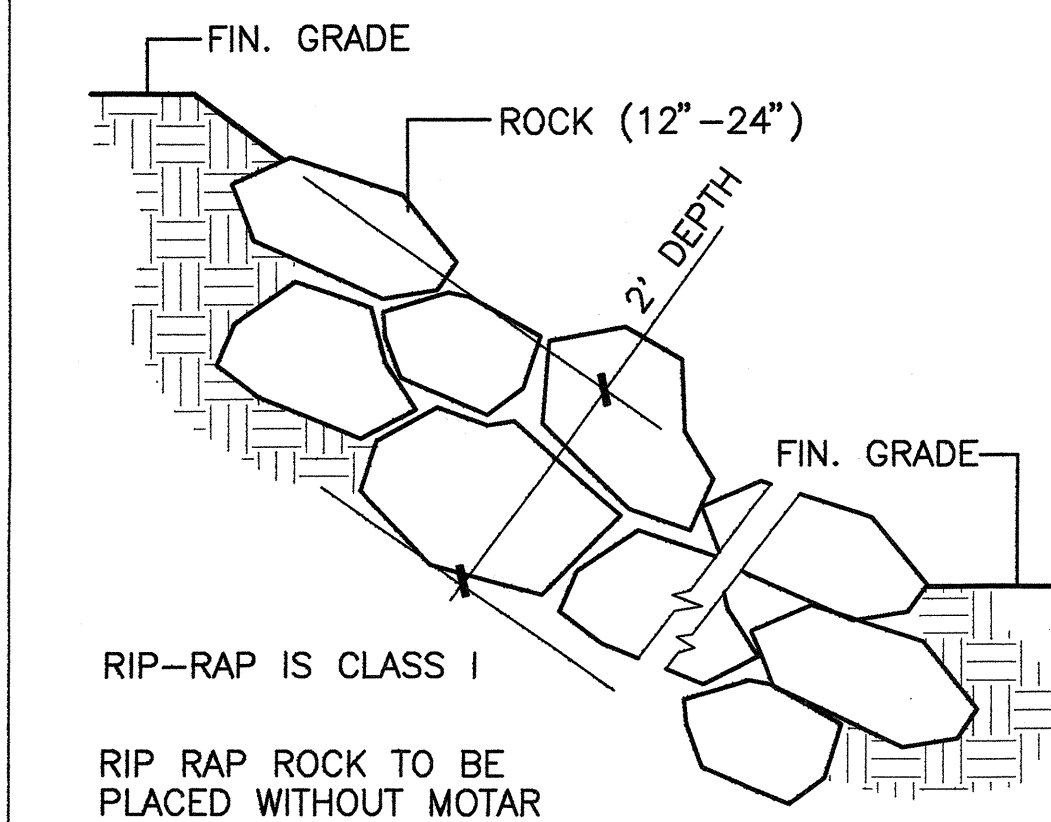
CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN AND DEVELOPMENT					
TITLE: LAYOUT, IRRIGATION, AND PLANTING PLAN DESIGN AND DEVELOPMENT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	B.G. Sweeney	7-26-95	WATER	N/A	8-30-95
TRANSPORTATION	P. B. ...	7-20-95	WASTE WATER	N/A	8-30-95
HYDROLOGY	See Title Sheet				
DRAWING NO.	4601, 90	MAP NO.	F-20-Z	SHEET	12 OF 13



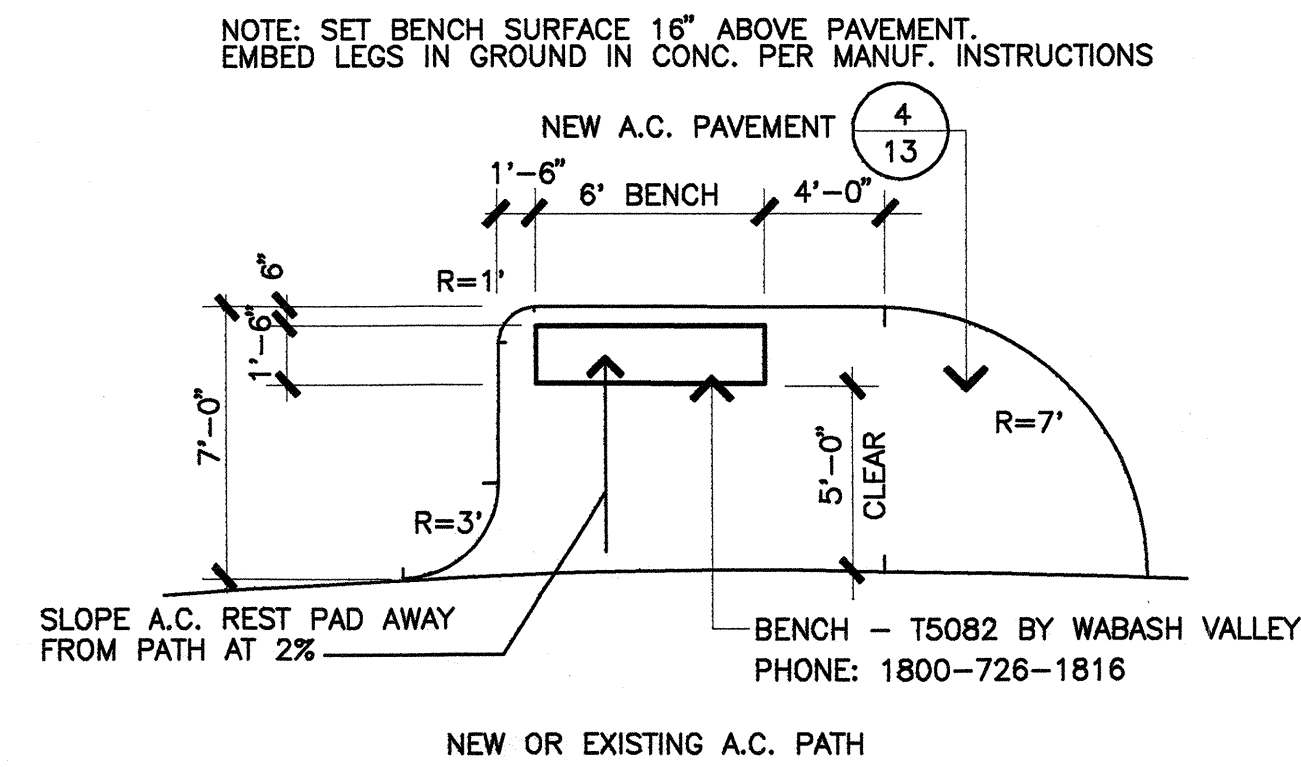
1 SIGN
13 NTS



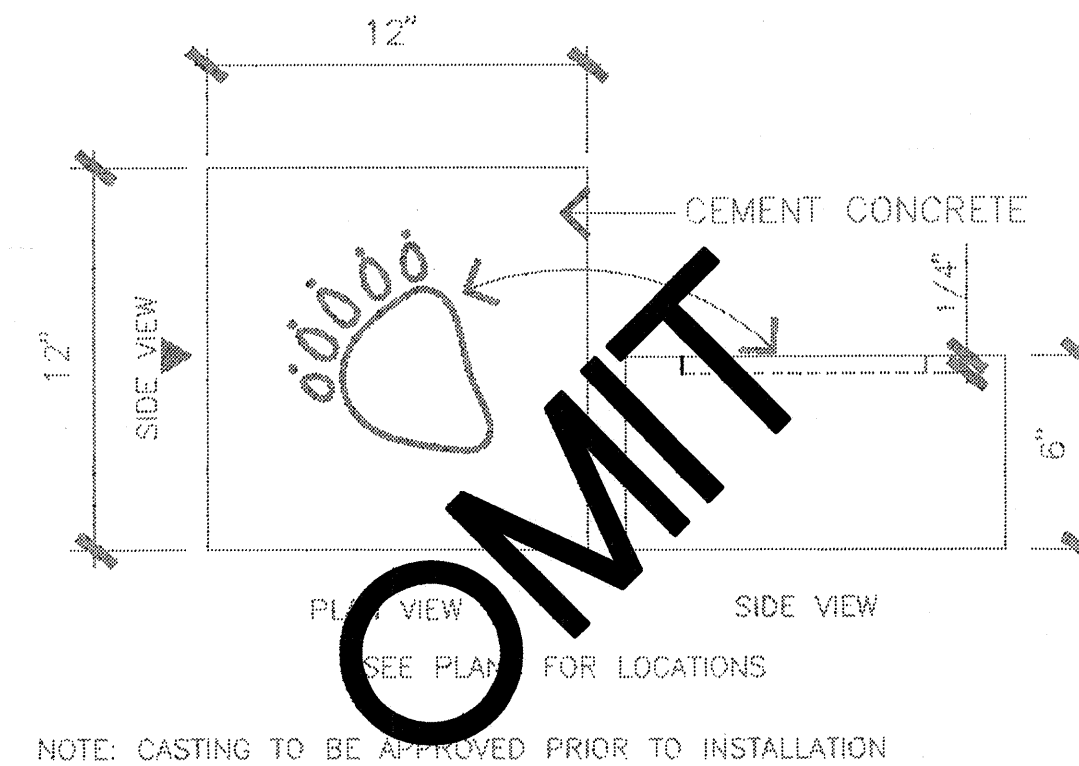
5 END OF PATH DETAIL
13 NTS



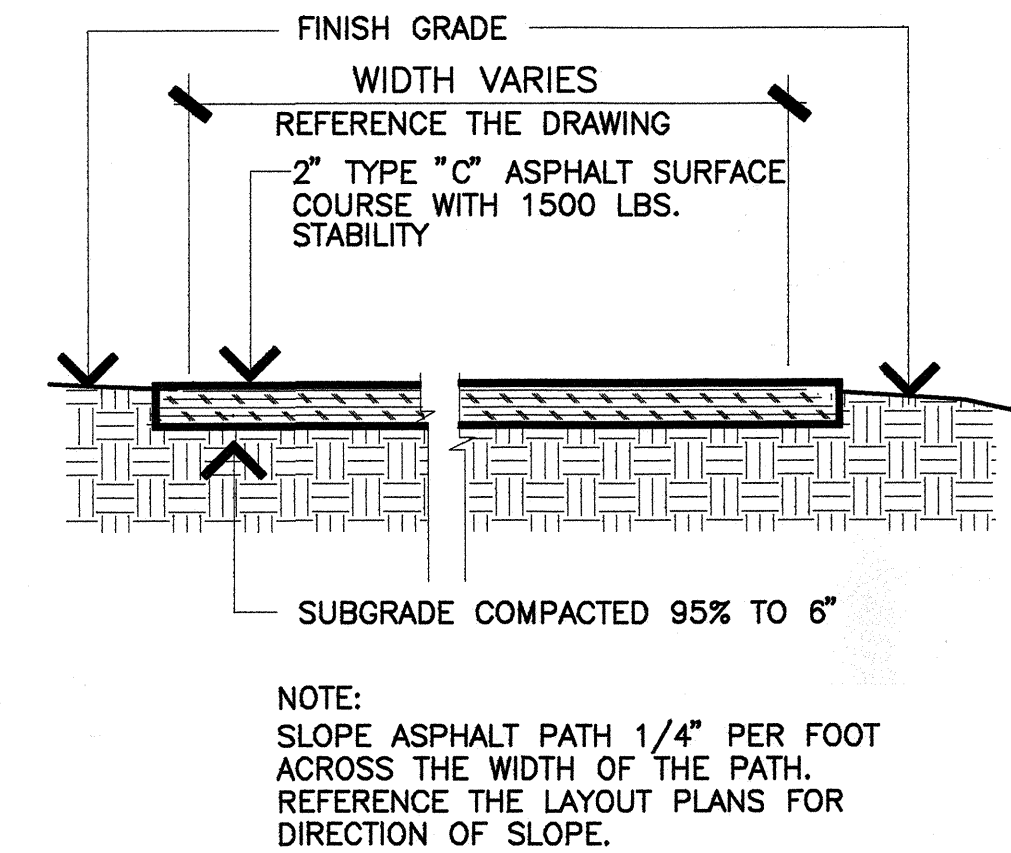
9 RIP-RAP DETAIL
13 NTS



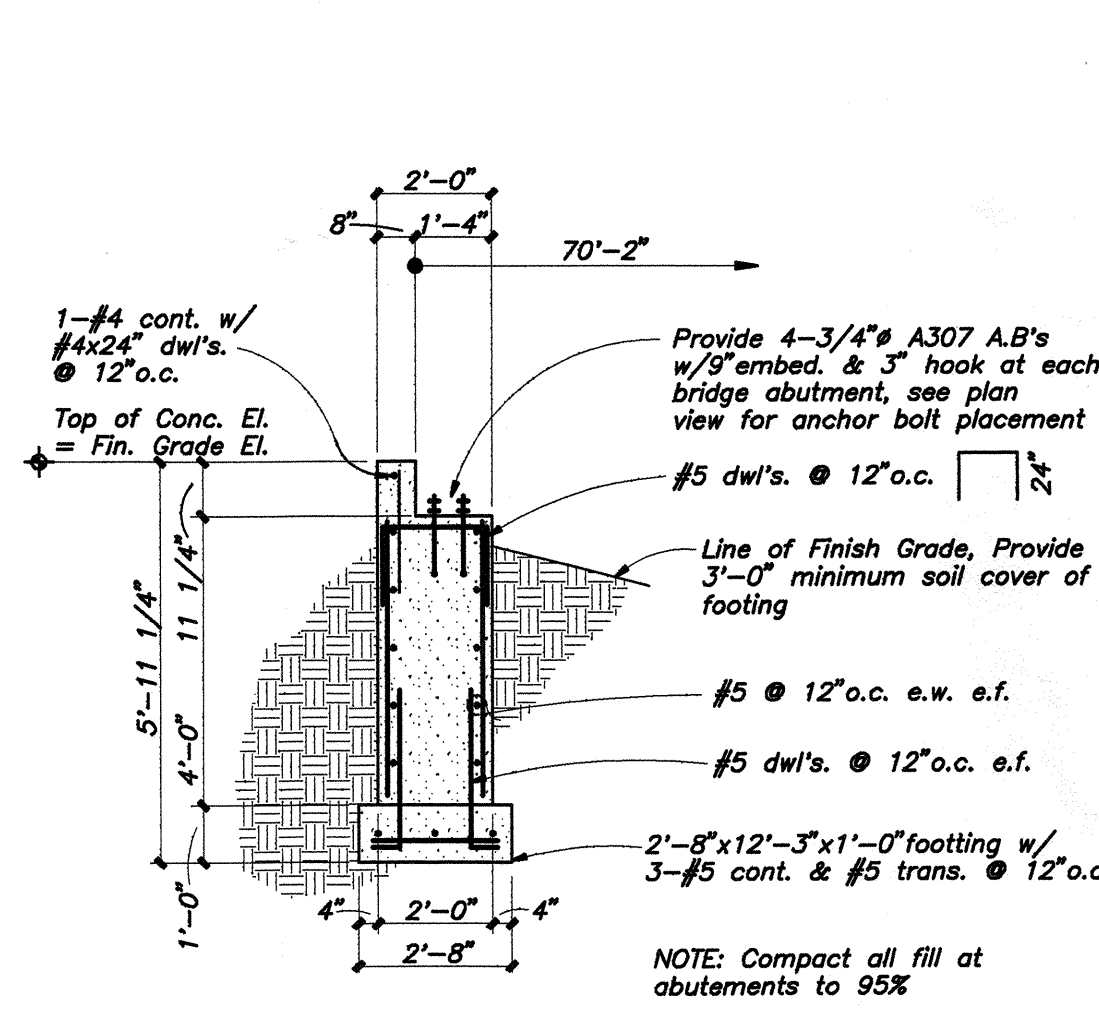
2 REST AREA DETAIL
13 NTS



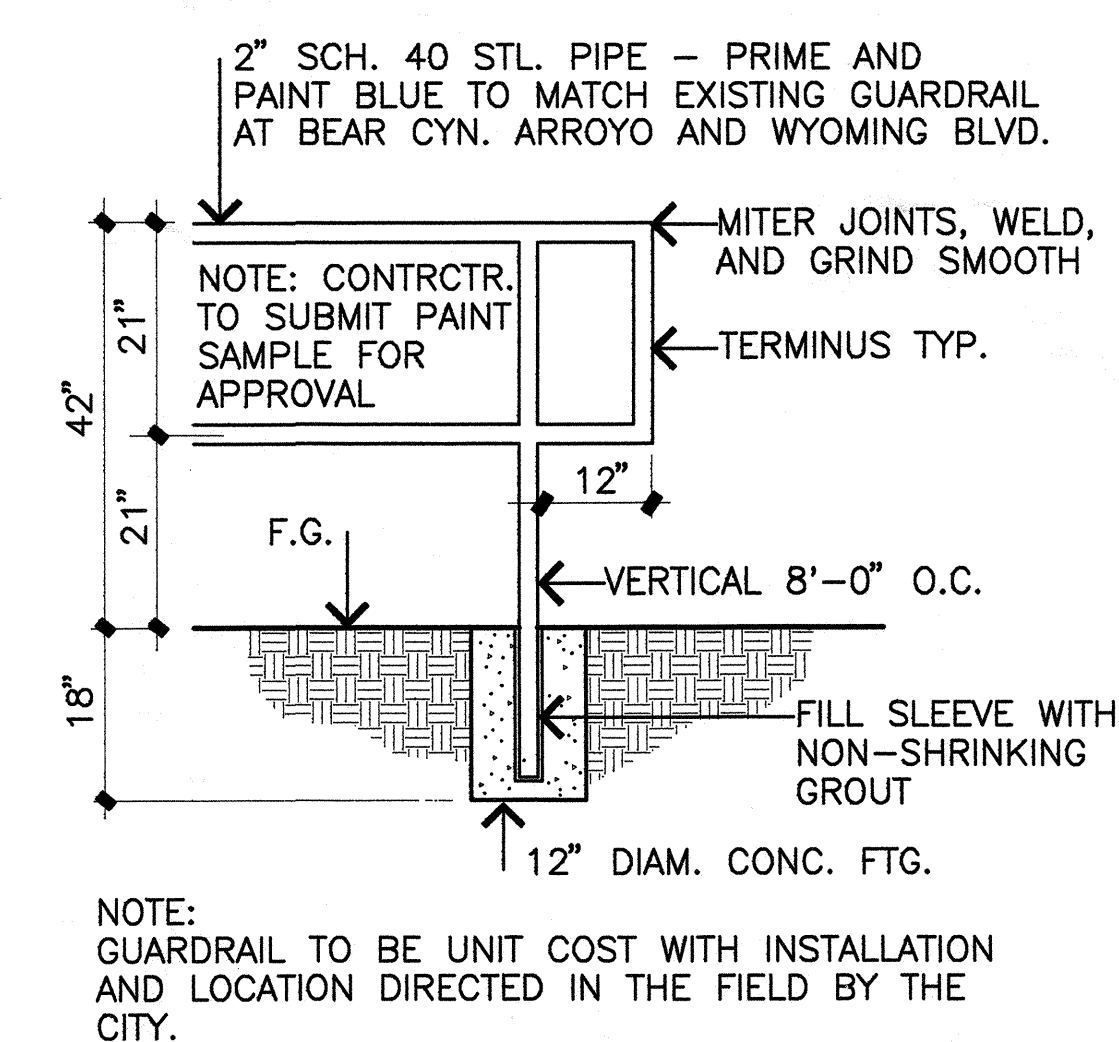
3 BEAR PAW INSET BLOCK
13 NTS



4 ASPHALT PATH
13 NTS

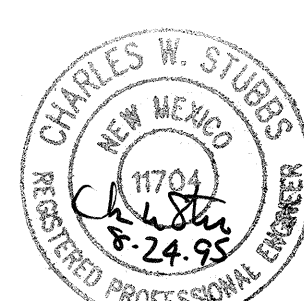
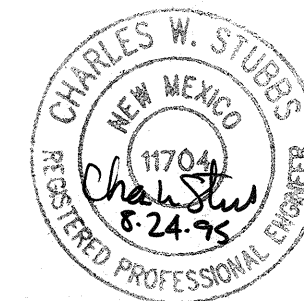


7 BRIDGE ABUTMENT SECTION
13 1/4\"/>



8 GUARDRAIL
13 NTS

6 BRIDGE ABUTMENT PLAN VIEW
13 1/4\"/>



ENGINEER'S SEAL			SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
			FIELD NOTES			ACS CONTROL STATION "3-F1948" ELEVATION = 5440.56			CONTRACTOR		
			FIELD BOOK #64	V.L.		ACS CONTROL STATION "5-F204" ELEVATION = 5534.48			STAKED BY		
			2/93						INSPECTOR'S ACCEPTANCE BY		
										FIELD OBSERVATION BY	
BY									DATE		
REMARKS									DATE		
DESIGN									DATE		
DESIGNED BY			- WW INC.						MICRO-FILM INFORMATION		
DRAWN BY			- WW INC.						RECORDED BY		
CHECKED BY			WW INC.						DATE		
CORRECTED BY			WW INC.						NO.		

CITY OF ALBUQUERQUE PARKS AND GENERAL SERVICES DESIGN AND DEVELOPMENT					
TITLE: DETAILS BEAR CANYON ARROYO TRAIL					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>B.G. Gooding</i>	8-26-95	WATER	N/A	AWK 8-30-95
TRANSPORTATION	<i>W. Dene</i>	8-21-95	WASTE WATER	N/A	AWK 8-30-95
HYDROLOGY	<i>See Title Sht.</i>				
DRAWING NO.	460190	MAP NO.		SHEET 13 OF 13	