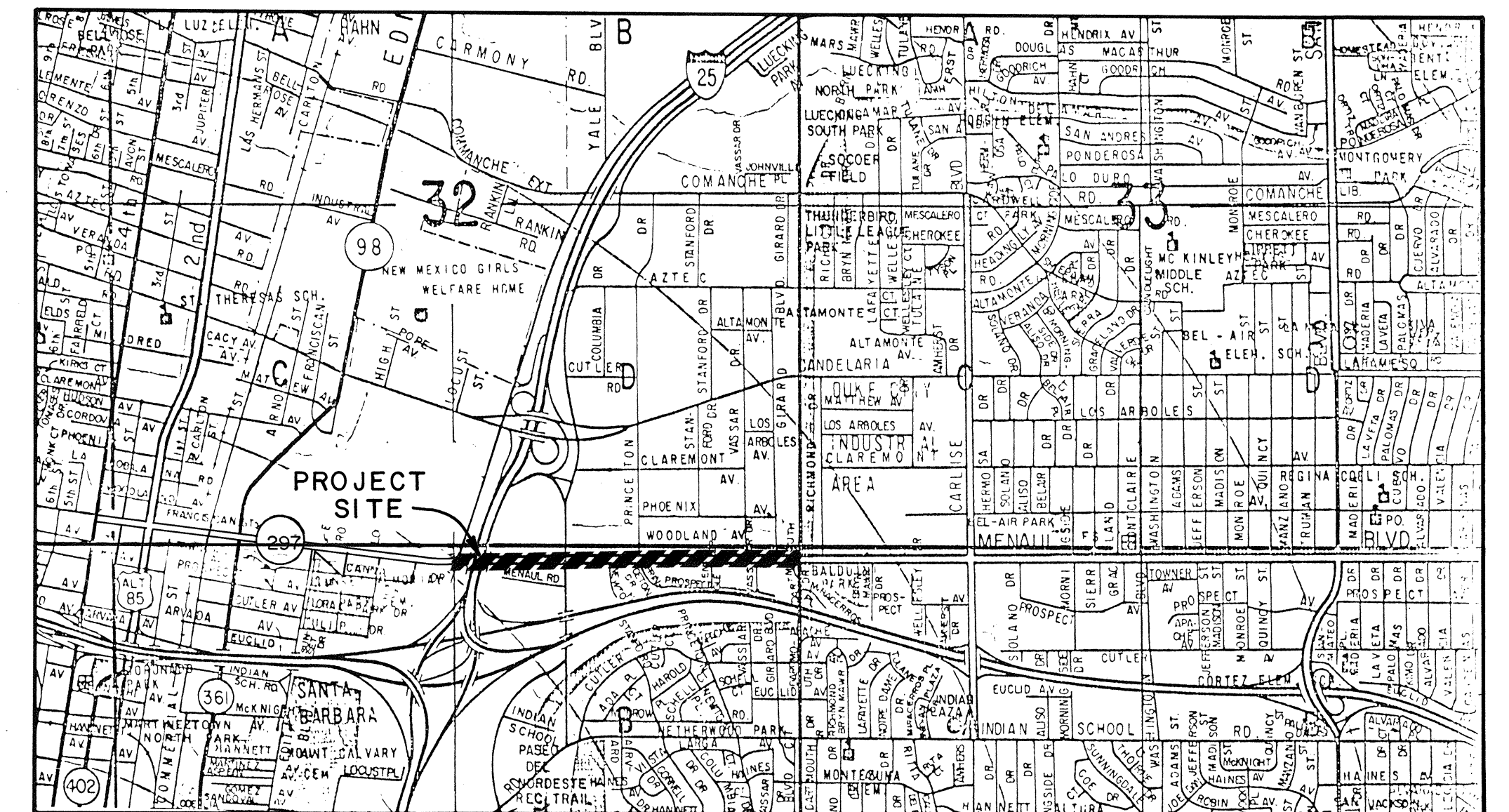


CITY OF ALBUQUERQUE, NEW MEXICO

MENAU BOULEVARD N.E. MEDIAN RECONSTRUCTION AND LANDSCAPING PHASE II-B



VICINITY MAP

SCALE 1"=2,000'

PROJECT LENGTH: 0.90 MILES

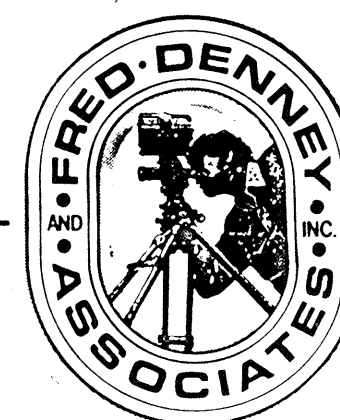
GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
- REFERENCES MADE TO STANDARD DRAWINGS REFER TO CITY OF ALBUQUERQUE STANDARD DRAWINGS.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR WILL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE MAINTAINED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY ENGINEER.
- CONTRACTOR SHALL PROVIDE 12" SUBGRADE PREPARATION UNDER ALL NEW PAVEMENT, CURBS & GUTTERS, VALLEY GUTTERS, AND CONCRETE FILLETS.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEAT STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT, AND MATCH NEW TO EXISTING. NO SEPARATE PAYMENT SHALL BE MADE FOR SUCH CUTTING OF EXISTING PAVEMENT BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. CUTTING OF PAVEMENT SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS.
- CURB & GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- WHEN CONSTRUCTION UNDER THIS PROJECT CONNECTS TO EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL PROVIDE AN EASY RIDING CONNECTION.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL OBJECTIONABLE MATERIAL FROM THE CONSTRUCTION SITE. A DISPOSAL SITE FOR ALL REMOVAL ITEMS SHALL BE OBTAINED BY THE CONTRACTOR. THE SITE SHALL BE IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CITY ENGINEERING DEPARTMENT. ALL COSTS INCURRED IN OBTAINING AN ACCEPTABLE SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE PROJECT.



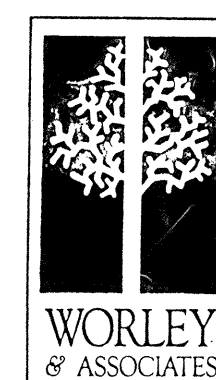
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26	37	72	01	90							

(SEE SHEET 2 FOR CONTINUATION OF GENERAL NOTES)

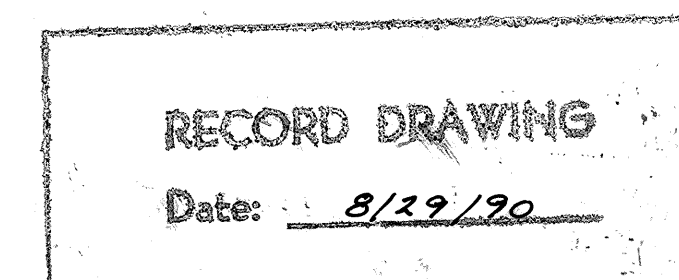
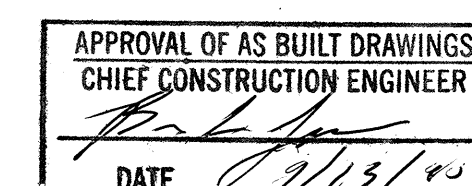


CONSULTING ENGINEERS • PLANNERS • SURVEYORS

2400 COMANCHE ROAD, NE • ALBUQUERQUE, NM 87107
TELEPHONE (505) 884-0696



KIRK J. WORLEY & ASSOCIATES P/A • LANDSCAPE ARCHITECTS & PLANNERS A.S.L.A.
2127 MENAUL BOULEVARD NORTHEAST • ALBUQUERQUE, NEW MEXICO 87107 • 505-884-4111

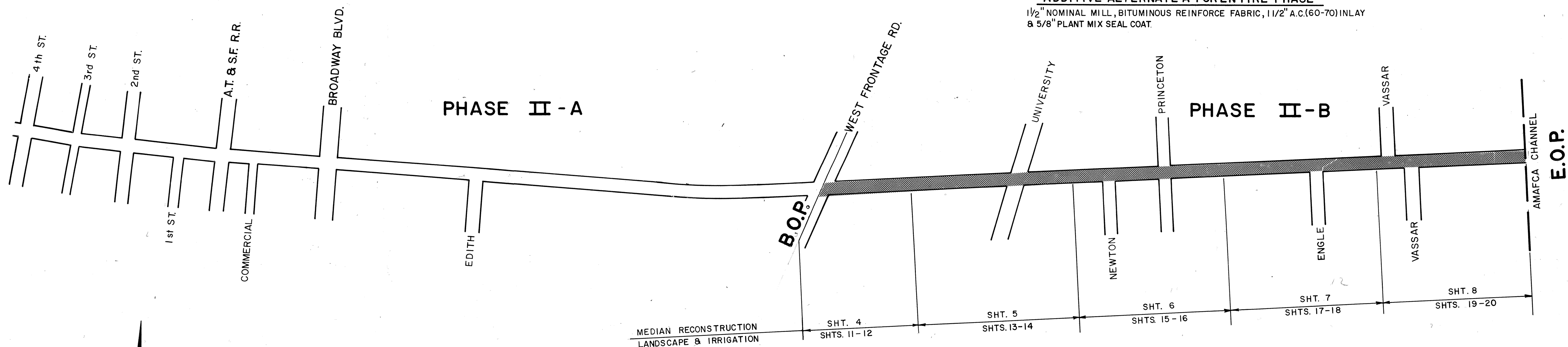


REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12						
APPROVAL OF REVISIONS							

 DRAWING NO. 3772	FRED DENNEY & ASSOCIATES INC. CONSULTING ENGINEERS • PLANNERS • SURVEYORS 2400 COMANCHE RD N.E. ALBUQUERQUE, NM 87107 (505) 884-0696	APPROVED FOR CONSTRUCTION 12-8-89 C.E.
	SHEET 1 OF 21	

60P=5438 80P=10236

FDA JOB NO. 931.31
E.L.O.



PHASE II-B

M E N A U L B O U L E V A R D N E .

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CONSTRUCTION WORK WITH PUBLIC SERVICE CO. OF NEW MEXICO FOR SERVICE POLE LOCATIONS AND SERVICE REQUIREMENTS.
- ALL ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE. CONSTRUCTION WORK SHALL COORDINATE WITH LANDSCAPE AND IRRIGATION PIPING TO PREVENT CONFLICTS.
- ALL ELECTRICAL CONDUITS SHALL BE INSTALLED WITHIN ISLANDS. LOCATION SHALL BE DETERMINED IN THE FIELD. VERIFY ROUTING OF ALL CONDUITS PRIOR TO ROUGH-IN. CONDUITS TO BE AS CLOSE AS POSSIBLE TO LOCATIONS SHOWN.
- INSTALL IRRIGATION SYSTEM ELECTRICAL PULL BOXES AT ENDS OF SLEEVING.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITY LOCATIONS PRIOR TO EXCAVATING. DAMAGE TO UTILITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- ALL ELECTRICAL CONDUIT SHALL CONFORM TO CONDUIT SPECIFIED FOR TRAFFIC SIGNAL AND STREET LIGHTING, SECTION 420, CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 AND SHALL CONFORM TO THE NATIONAL ELECTRIC CODE.
- ALL ELECTRICAL CONDUIT PULL BOXES SHALL CONFORM TO CITY OF ALBUQUERQUE, STANDARD DWG. 2520, EXCEPT THE COVER SHALL BE CAST WITH THE WORD "LIGHTING", "TRAFFIC SIGNAL", OR "IRRIGATION" AS APPROPRIATE.
- ADDITIVE ALTERNATE-A CONSIST OF:
1 1/2" NOMINAL MILL, BITUMINOUS REINFORCEMENT FABRIC, 1 1/2" A.C. 20 (60-70) INLAY 5/8" PLANT MIX SEAL COAT.
- PLACEMENT OF THE BITUMINOUS REINFORCEMENT FABRIC AND 1 1/2" A.C. INLAY SHALL OCCUR A MAXIMUM OF 48 HOURS FOLLOWING COMPLETION OF THE MILLING OPERATION.
- REPLACE ALL EXISTING PERMANENT PAVEMENT STRIPING WITH REFLECTORIZED PLASTIC STRIPING AS PER THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS AND TYPICAL STRIPING PLAN. THIS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- REPLACE ALL EXISTING RAISED REFLECTORIZED PERMANENT PAVEMENT MARKERS BETWEEN THE PERMANENT PAVEMENT STRIPING WITH LIKE KIND (PER N.M.S.H.D. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984). DO NOT REPLACE THE RAISED PAVEMENT MARKERS ON THE STRIPING. THIS SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCIDENTAL TO ADDITIVE ALTERNATE A-5. NO SEPARATE PAYMENT WILL BE MADE. (FOR ALTERNATE DETAILS, SEE SHEET 9)

GENERAL NOTES (CONTINUED)

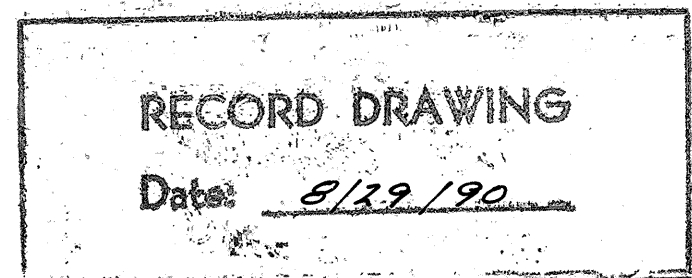
- ALL PERMANENT TRAFFIC SIGNING WILL BE PERFORMED BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DEPARTMENT.
- CONSTRUCTION SIGNING:
A. ALL BARRICADES AND SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, 1978 EDITION.
B. CONTRACTOR SHALL PREPARE A CONSTRUCTION SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
C. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A MOUNTED HEIGHT OF SEVEN (7) FEET.
D. CONTRACTOR SHALL MAINTAIN ALL BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADES AT THE END AND BEGINNING OF EACH DAY.
- REPLACE MEDIAN NOSES AT LOCATIONS WHERE SIGNAL INTERCONNECT CONDUIT LINES AND IRRIGATION CONDUIT LINES PASS UNDER MEDIAN CURB AND GUTTER.
- UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE TO FACE OF CURB. ALL NEW OR REPLACEMENT PAVEMENT SHALL BE ARTERIAL STANDARD, SEE-DETAIL SHEET 9.
- ALL EXISTING STORM DRAINAGE FACILITIES SHALL BE KEPT CLEAN OF CONSTRUCTION MATERIALS.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS WORKING IN THE SAME AREA ALL DELAYS RESULTING FROM THE FOREGOING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE PAYMENT WILL BE MADE.
- ALL UTILITY CROSSINGS WILL BE BY MEANS OF PAVEMENT CUT UNLESS OTHERWISE NOTED ON THE PLANS. THE REMOVAL AND REPLACEMENT OF ASPHALT SHALL CONFORM TO C.O.A. STD. DWG. 2465. ARTERIAL.
- CONTRACTOR SHALL SUPPORT ALL EXPOSED UTILITIES DURING EXCAVATION.
- ANY MONUMENTS OBLITERATED BY THE CONTRACTOR, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ANY EXISTING TRAFFIC CONTROL DEVICES, INCLUDING PAVEMENT MARKERS & STRIPING DAMAGED BY CONSTRUCTION MUST BE REPLACED AT THE CONTRACTORS EXPENSE SEE SHT.10A FOR TYP. STRIPING INFORMATION.
- REPLACING ALL EXISTING PERMANENT PAVEMENT STRIPING & MARKERS WITH LIKE KIND, (PER N.M.S.H.D. STD. SPEC. FOR ROAD & BRIDGE CONSTRUCTION, 1984) SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- ALL TEMPORARY STREET STRIPING SHALL BE EASILY REMOVABLE, SUCH AS TAPE OR PAINT, PREFER USING DRUMS, eg STD. PLASTIC ORANGE BARRELS, TYP. N.M.S.H.D. & SHALL BE THE CONTRACTORS RESPONSIBILITY AND CONSIDERED INCIDENTAL TO THE PROJECT

GENERAL NOTES (CONTINUED)

- THE UTILITY EXPANSION CHARGES ARE THE CONTRACTORS RESPONSABILITY.
- ALL UTILITY POLES REMOVED ARE TO BE SALVAGED AND STORED AT 4201 MENAUL BOULEVARD NE. THE CONTRACTOR IS TO CONTACT LT. GREG CHAVEZ, FIRE DEPARTMENT, TO COORDINATE DELIVERY TIME. THAT PHONE NUMBER IS 243-6601.
- WATER METER ASSEMBLY IS TO BE INSTALLED BY THE CITY. WATERLINE TAPS, LINE INSTALLATION, AND YOKE ASSEMBLY TO BE CONSTRUCTED BY CONTRACTOR.
- MISCELLANEOUS ADJUSTMENTS IN LANDSCAPING, IRRIGATION AND PLANTING LAYOUTS ARE TO BE EXPECTED AND ARE INCIDENTAL TO THE PROJECT. INSPECTION OF LAYOUTS ARE TO OCCUR WITHIN 24 HOURS OF PLACEMENT.
- ALL MAINLINE WATERLINES SHALL BE OPEN AT JOINTS FOR TESTING. THE USE OF SLEEVES WILL BE ALLOWED.
- ULTIMATE RESPONSIBILITY FOR SUBCONTRACTORS' NEEDS SHALL BE BORNE BY THE PRIME CONTRACTOR. DETERMINATION OF PRIORITIES AND PROVISIONS FOR ELECTRICAL POWER AND WATER SUPPLY ARE ALSO THE RESPONSIBILITY OF THE PRIME CONTRACTOR. IF ELECTRICAL POWER OR WATER SUPPLY CANNOT OR IS NOT AVAILABLE, THE CONTRACTOR SHALL SUPPLY GENERATORS OR USE FIRE HYDRANTS FOR SOURCES. COSTS FOR SUCH UTILITIES SHALL BE INCURRED BY THE CONTRACTOR UNTIL SUCH FACILITIES ARE APPROVED AND ACCEPTED AND SHALL BE INCIDENTAL TO THE PROJECT.
- IF ADDITIVE ALTERNATE -A IS USED IN THIS PROJECT, STRIPE TWO NEW TURN BAYS WITH REFLECTORIZED STRIPING AND PAVEMENT MARKERS WITH LIKE KIND AS REFERED TO IN THE GENERAL NOTES. TURN BAYS ON SHEET 7. IF ADDITIVE ALTERNATE -A IS NOT USED, THEN USE TYPICAL STRIPING AND MARKERS IN ADJOINING AREA.
- ALL MAIN WATER LINE CONNECTIONS SHALL BE PRESSURIZED CONNECTIONS.

C of A PWD Maps & Records

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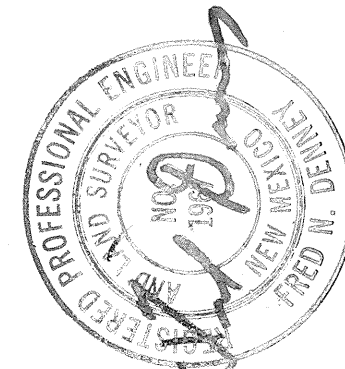
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SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	BID QUANTITY	FINAL QUANTITY
1-1	Grading, excavation and disposal of median within landscaped areas to a 3' depth, and provide clear fill	CY	3,720	3,839
1-2	Removal and disposal of existing asphalt pavement	SY	525	617.5
1-3	Removal and disposal of concrete curb and gutter, any type	LF	600	692
1-4	Sawcut, removal and disposal of concrete median pavement and sidewalk	SY	740	872.7
1-5	Removal and disposal of street light bases	EA	23	35
1-6	New street light bases, complete in place, including hardware PER SD 2530	TYPE I EA TYPE II EA	33 4	32 4
1-7	Grading of roadway, including 12" subgrade preparation	SY	450	574.7
1-8	ATB, 4" thick, 1000 lb. stability, complete in place	SY	450	813.7
1-9	ACBC, 2 1/2" thick, 1800 lb. stability, complete in place	SY	450	813.7
1-10	AC SFC, 1 1/2" thick, 1800 lb. stability, complete in place	SY	450	520
1-11	Emulsified asphalt tack coat, complete in place	SY	450	520
1-12	6" Compacted Subbase, 95% Compaction	SY	450	239
1-13	Deleted			
1-14	4" Portland Cement Concrete sidewalk, complete in place, including subgrade preparation	SF	300	4,076.6
1-15	Concrete median pavement, 4" thick, red colored and patterned, complete in place, including subgrade preparation	SF	11,450	10,609.6
1-16	Portland Cement Concrete standard curb and gutter, complete in place, including 12" subgrade preparation	LF	100	104
1-17	Portland Cement Concrete median curb and gutter, complete in place, including subgrade preparation	LF	610	582
1-18	Construction Traffic Control, Complete in place, in conformance with Section 19, C.O.A. Standard Specifications for Traffic Control	LS	1	1
1-19	Traffic PVM T. Striping & Markers For New Turn Bays	LS	1	1
1-20	2" Electrical conduit, complete in place including trenching and backfill 2" FOR CONTROLLERS	LF	486	516
1-21	2" Traffic Interconnect conduit, complete in place, including trenching and backfill	LF	4,785	4,783
1-22	Traffic pull boxes	EA	19	19
1-23	Traffic Manholes	EA	5	5

ITEM NO.	ITEM	UNIT	BID QUANTITY	FINAL QUANTITY
1-24	Removal and disposal of signal pedestal foundation	EA	2	2
1-25	Large pull boxes, complete in place	EA	3	4
1-26	Deleted			
1-27	New water service, 1 1/2", including tap, line, meter and appurtenances, per Standard Detail	EA	3	3
1-28	New signal post foundation, Type II, complete in place	EA	2	2
1-29	Deleted			
1-30	4" P.V.C. sleeves, complete in place	LF	1,720	1,733
1-31	Bark mulch, 4" depth, complete in place	SF	34,065	34,065
1-32	Irrigation system, including heads, zone controllers, control valves, vacuum breakers, valve boxes, control housing units, automatic drain valves, freeze sensors, electrical and waterline, and all appurtenances necessary for a functional system complete in place	LS	1	1
1-33	Fraxinus pennsylvanica 'Marshall' (Marshall Seedless Ash) 2" Cal., 24" box, 9'H x 6"W, complete in place	EA	9	9
1-34	Fraxinus velutina 'Modesto' (Modesto Ash) 2" cal., 24" box, 10'H x 5'W, complete in place	EA	17	17
1-35	Gleditsia triacanthos inermis 'Shademaster' (Shademaster Honey Locust) 2" cal., 24" box, 10'H x 5'W, complete in place	EA	19	19
1-36	Pyrus calleryana 'Bradford' (Flowering Pear) 1 1/2" cal., 20" box, 8'H x 4'W, complete in place	EA	33	33
1-37	Cotoneaster glaucophylla (Grey Cotoneaster) 5 gal., 48" o.c., complete in place	EA	110	112
1-38	Cotoneaster horizontalis (Rock Cotoneaster) 5 gal., 48" o.c., complete in place	EA	421	434
1-39	Lagerstroemia sp. (Crape Myrtle "Watermelon Red") 5 gal., 60" o.c., complete in place	EA	18	18
1-40	Deleted			
1-41	Juniperus sabina 'Broadmoor' (Broadmoor Juniper) 5 gal., 60" o.c., complete in place	EA	474	458
1-42	Juniperus sabina 'Buffalo' (Buffalo Juniper) 5 gal., 48" o.c., complete in place	EA	254	255
1-43	Mahonia aquifolium compacta (Compacta Mahonia) 5 gal., 48" o.c., complete in place	EA	105	105
1-44	Electrical tap to controllers, complete in place	EA	3	3

ITEM NO.	ITEM	UNIT	BID QUANTITY	FINAL QUANTITY
1-45	30 mil. plastic PVC or industrial quality PE membrane vapor barrier with adhesive, complete in place	LF	4,450	4,255
1-46	Project Identification signs, complete in place	EA	2	2
1-47	Irrigation Pull Boxes	EA	10	10
1-48	Deleted			
1-49	Utility Expansion Charges (UEC's)	EA	3	3
1-50	Deleted			
1-51	Meter Set, 1/2"	EA	3	3
ADDITIVE ALTERNATE -A				
A-1	1 1/2" Nominal Cold Mill Bituminous Surface	SY	37,000	36,101.8
A-2	Bituminous Reinforcement Fabric	SY	37,000	36,101.8
A-3	1 1/2" A.C. 20 (60-70) Inlay 1800 lb. Stability w/Gradation C Aggregate P.M.S.C.	SY	37,000	36,101.8
A-4	5/8" Plant Mix Seal Coat	SY	37,000	36,101.8
A-5	Cold Plastic ReflectORIZED Lane Markers 4" Wide Complete In Place. Raised ReflectORIZED Pvm t. Markers Are Incidental To The Striping	LF	7,280	7,280
A-6	Adjust Manhole Frames To Grade	EA	28	33
A-7	Adjust Water Valves To Grade	EA	4	4
A-8	Traffic Control	LS	1	1

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE		
WORK STARTED BY	DATE	NO.	DATE	NO.	DATE	ELO ELO ELO BY	
FIELD ACCEPTANCE	DATE	NO.	DATE	NO.	DATE	8-29-90 Record Drawing Int. By C.O.A. 12-28-99 Addendum No. 3 12-18-99 Addendum No. 2	
REVISIONS	DATE	NO.	DATE	NO.	DATE	REMARKS DESIGN	
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	DESIGNED BY J.A.J. DRAWN BY ELO CHECKED BY R.L.B.	

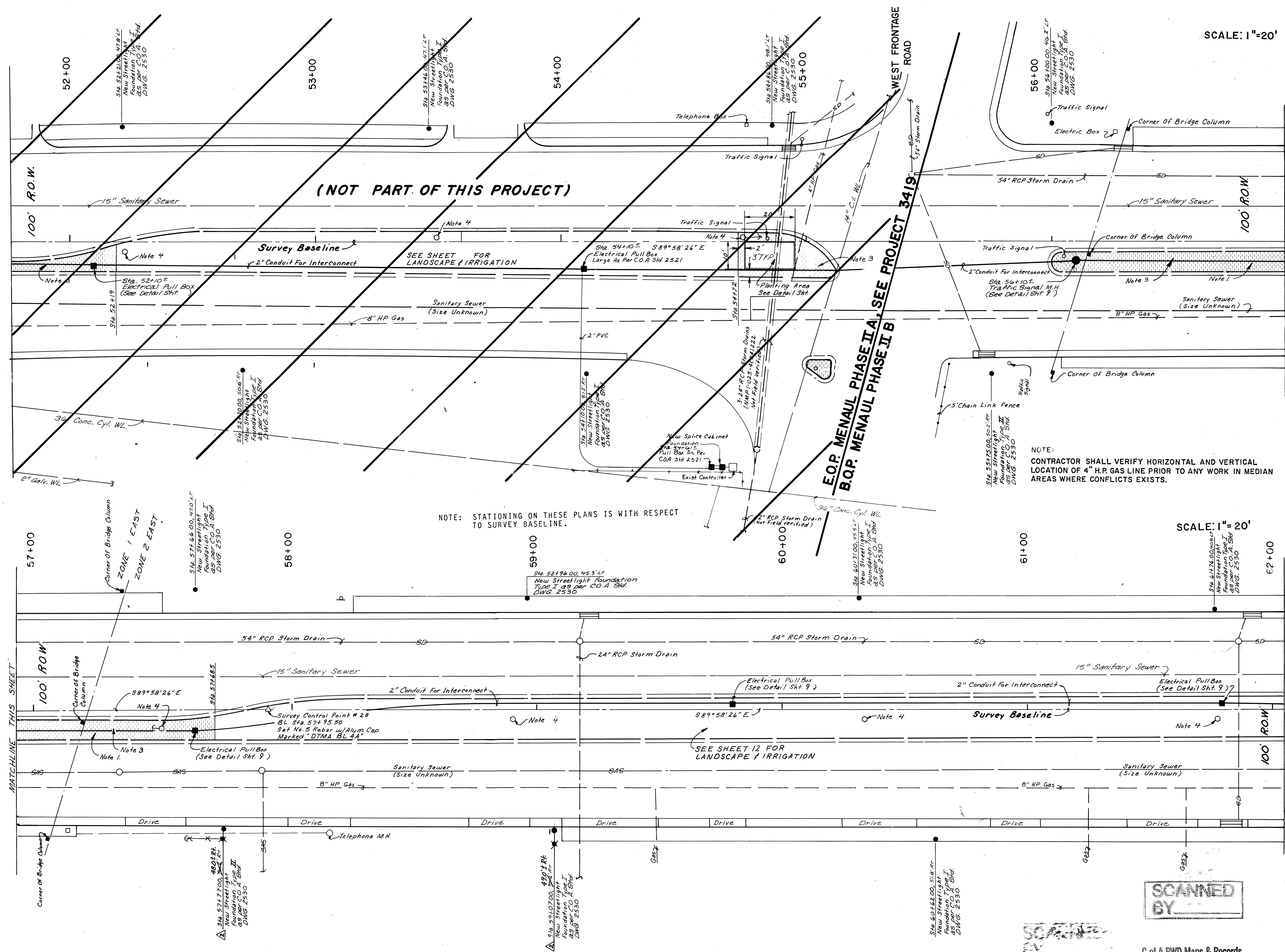
SCANNED BY

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 37720390

RECORD DRAWING

Date: 8/29/90

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING QUANTITY SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/18/99	Liquid Waste	R. W. Kane	12-7-99
A.C.E. Design	R. W. Kane	12-18-99	Traffic	R. W. Kane	12-18-99
A.C.E. Hydrology	R. W. Kane	12/17/99	Water	R. W. Kane	12-7-99
DRAWING NO.	3772		MAP NO.	SHEET 3 OF 21	



SCALE: 1"=20'

SCALE: 1"=20'

- NOTES:
1. REMOVE MEDIAN PAVEMENT (CONCRETE OR ASPHALT).
 2. REMOVE EXISTING AND BUILD NEW MEDIAN CURB & GUTTER WITH EXPANSION JOINTS. (CITY STANDARDS DRAWING 2415.)
 3. NEW MEDIAN CONCRETE PAVEMENT, RUNNING ROAD BRICK PATTERNED. (SEE DETAIL SHEET 9.)
 4. CONSTRUCT NEW STREET LIGHT FOUNDATIONS AS INDICATED. PNM WILL RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE. CONTRACTOR SHALL THEN REMOVE AND DISPOSE OF EXISTING STREET LIGHT FOUNDATIONS. BASE NOTES SHALL THEN BE BACKFILLED AND COMPACTED TO 95% DENSITY (ASTM D-1557). ENTIRE CIRCUIT MUST BE READY FOR RELOCATION AT ONE TIME IN ORDER THAT ROADWAY WILL REMAIN LIGHTED DURING CONSTRUCTION.
 5. ALL MEDIAN AREAS TO BE PLANTED SHALL BE EXCAVATED TO A DEPTH OF 3' FROM TOP OF CURB, EXCLUDING BENCH AT CURB. (SEE DETAIL SHEET 9.) SOIL REMOVED SHALL BE DISPOSED OF IN AN ENGINEER-APPROVED LANDFILL AND SHALL NOT BE REUSED IN THIS OR ANY OTHER LANDSCAPE PROJECT.
 6. WHEN REMOVING CURB & GUTTER ADJACENT TO EXISTING PAVEMENT ANY DAMAGE TO PAVEMENT OUTSIDE LIP OF CURB & GUTTER SHALL BE REMOVED AND REPLACED AT CONTRACTOR EXPENSE.
 7. ALL PAVEMENT CUTS SHALL BE ALONG NEAR STRAIGHT LINES. WHEN CURB & GUTTER IS REMOVED, A MINIMUM OF 1' OF PAVEMENT SHALL BE REMOVED.
 8. ALL 2" ELECTRICAL CONDUIT (FOR INTERCONNECT CONTROL WIRING) SHALL BE SCHEDULE 40 PVC. LOCATIONS SHOWN ARE APPROXIMATE. FINAL PLACEMENT TO BE FIELD VERIFIED.
 9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES. DAMAGE TO EXISTING LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 10. PNM TO RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE.
 11. WHERE STREET LIGHT FOUNDATIONS ARE INDICATED AT BACK OF SIDEWALK, BACK EDGE OF FOUNDATION SHALL BE PLACED AT BACK EDGE OF SIDEWALK. WHERE FOUNDATIONS ARE INDICATED AT BACK OF CURB, FRONT EDGE OF FOUNDATION SHALL BE PLACED AT BACK EDGE OF CURB.
 12. ALL MEDIANS SHALL HAVE A 30" WIDE MEMBRANE INSTALLED CONTINUOUSLY AT THE BACK OF CURB AND AT THE EDGE OF CONCRETE. MEMBRANE SHALL EXTEND OVER SOIL BENCH AND TO THE BOTTOM OF THE EXCAVATED PIT. ADHERE MEMBRANE TO CONCRETE ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
 13. SHOULD CONSTRUCTION ON THIS PROJECT TAKE OVER ONE DAY TO ACCOMPLISH, PLATING OF THE TRENCH OR TEMPORARY ASPHALT CONCRETE PAVEMENT SHALL BE PROVIDED AT THE END OF EACH WORKING DAY. PLATES CAN BE OBTAINED FROM THE C.O.A. YARD ON PNO BY COORDINATING WITH RICK ROYAL AT 764-2531. PLATING WILL BE AT NO ADDITIONAL COST TO THIS CONTRACT.
 14. PAVEMENT REPLACEMENT WILL CONFORM TO PAVEMENT SECTION DETAILS ON SHEET 9.
 15. COORDINATE LOCATIONS OF TRAFFIC SIGNALS, FOUNDATIONS WITH TRAFFIC OPERATIONS @ 764-1599. THREE WORKING DAYS PRIOR TO INSTALLATION.

NOTE:
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF 4" H.P. GAS LINE PRIOR TO ANY WORK IN MEDIAN AREAS WHERE CONFLICTS EXISTS.

LEGEND
(EXISTING)

- | | |
|---|---|
| ANCHOR BOLT | LIGHT POLE |
| POWER POLE | TRAFFIC SIGNAL |
| TELEPHONE PEDESTAL, ELECTRIC BOX, ETC. | PULLBOX |
| WATER METER | WATER VALVE |
| FIRE HYDRANT | WATERLINE |
| SANITARY SEWER | STORM DRAIN |
| MANHOLE (SANITARY, STORM OR TELEPHONE) FIELD VERIFIED | MANHOLE (PER C.O.A. SEWER & STORM ATLAS) NOT FIELD VERIFIED |
| EXIST. C & G (MEDIAN) | SURVEY CONTROL POINT |
| SIGN (YIELD, STOP, ETC.) | SIGN (ADVERTISEMENT) |
| TREE | DROP INLET |
| CHAIN LINK FENCE | SPOT ELEVATION |
| GAS LINE | |

(PROPOSED)

- | | |
|------------------|--|
| LIGHT FOUNDATION | ELECTRICAL PULLBOX |
| TRAFFIC MANHOLE | PC STA. 15+70 TC = , FL = |
| | SPOT ELEV. |
| | MEDIAN C & G WITH PATTERNED CONC. PVM-T. |

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

TITLE: **MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING**
RECONSTRUCTION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	12/8/99	Liquid Waste	<i>R.W. Kane</i>	12/7/99
A.C.E.-Design	"	"	Traffic	<i>R.W. Kane</i>	12/6/99
A.C.E.-Hydrology	<i>[Signature]</i>	12/7/99	Water	<i>R.W. Kane</i>	12/7/99

DRAWING NO.	MAP NO.	SHEET OF
3772	H-15	4 21

F.D.A. JOB NO. 931.31

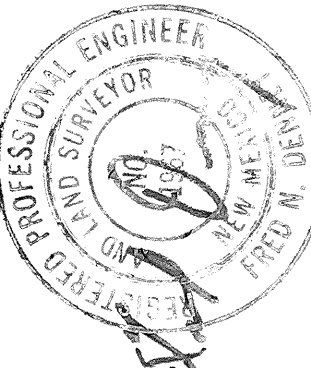
SCANNED BY

C of A PWD Maps & Records

26 37720490

RECORD DRAWING

Date: 8/29/90



E.L.O. BY

REVISIONS

DESIGN

DATE

DATE

DATE

DESIGNED BY J.A.J.

DRAWN BY T.M./E.L.O.

CHECKED BY R.L.B.



NOTE: CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF 4" H.P. GAS LINE PRIOR TO ANY WORK IN MEDIAN AREAS WHERE CONFLICTS EXISTS.



SCANNED BY

C of A PWD Maps & Records											
1	2	3	4	5	6	7	8	9	10	11	12
2	6		3	7	7	2	0	5	9	0	

Date: 8/29/90

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES				CONTRACTOR CHINESE	
NO.	BY	DATE		SIGNED BY	DATE
			THE STATION IS A NMSHC/ACS BRASS CAP MARKED "STA. NM47-13A" SET IN THE TOP OF A CONCRETE POST FLUSH WITH GROUND. THE	<i>FRED DENNY</i>	<i>90</i>
			STATION IS LOCATED IN THE CENTER OF THE MEDIAN OF MENAUL BLVD. JUST WEST OF THE INTERSECTION OF MENAUL BLVD. AND EDITH BLVD	<i>SA. A. - C.S.</i>	<i>90</i>
			ELEVATION = 499741 FT.	<i>RECEIVED BY FRED DENNY</i>	<i>90</i>
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

———— ANCHOR BOLT
 w/ GUY WIRE

p POWER POLE

○ TELEPHONE PEDESTAL,
 ELECTRIC BOX, ETC.

□ WATER METER

⋈ FIRE HYDRANT

—SAS— SANITARY
 SEWER

○ MANHOLE (SANITARY,
 STORM OR TELEPHONE)
 FIELD VERIFIED

———— EXIST. C & G
 (MEDIAN)

— SIGN (YIELD, STOP, ETC.)

+ ———— TREE

—●— CHAIN LINK
 FENCE

— G — GAS LINE

○ LIGHT POLE

○ TRAFFIC SIGNAL

□ PULLBOX

⋈ WATER VALVE

— W — WATERLINE

—SD— STORM
 DRAIN

○ MANHOLE (PER C.O.A.
 SEWER & STORM
 ATLAS) NOT FIELD
 VERIFIED

△ SURVEY
 CONTROL POINT

———— SIGN
 (ADVERTISEMENT)

[] DROP INLE

● TC = 78.26 SPOT
 FL = 78.22 ELEVATION

(PROPOSED)

● LIGHT FOUNDATION

■ ELECTRICAL PULLBOX

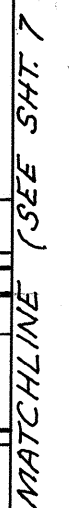
● TRAFFIC MANHOLE

▲ PC STA. 15+70 SPOT
 TC, FL = ELE.

MEDIAN C & G WITH
 PATTERNED CONC. PVM/T

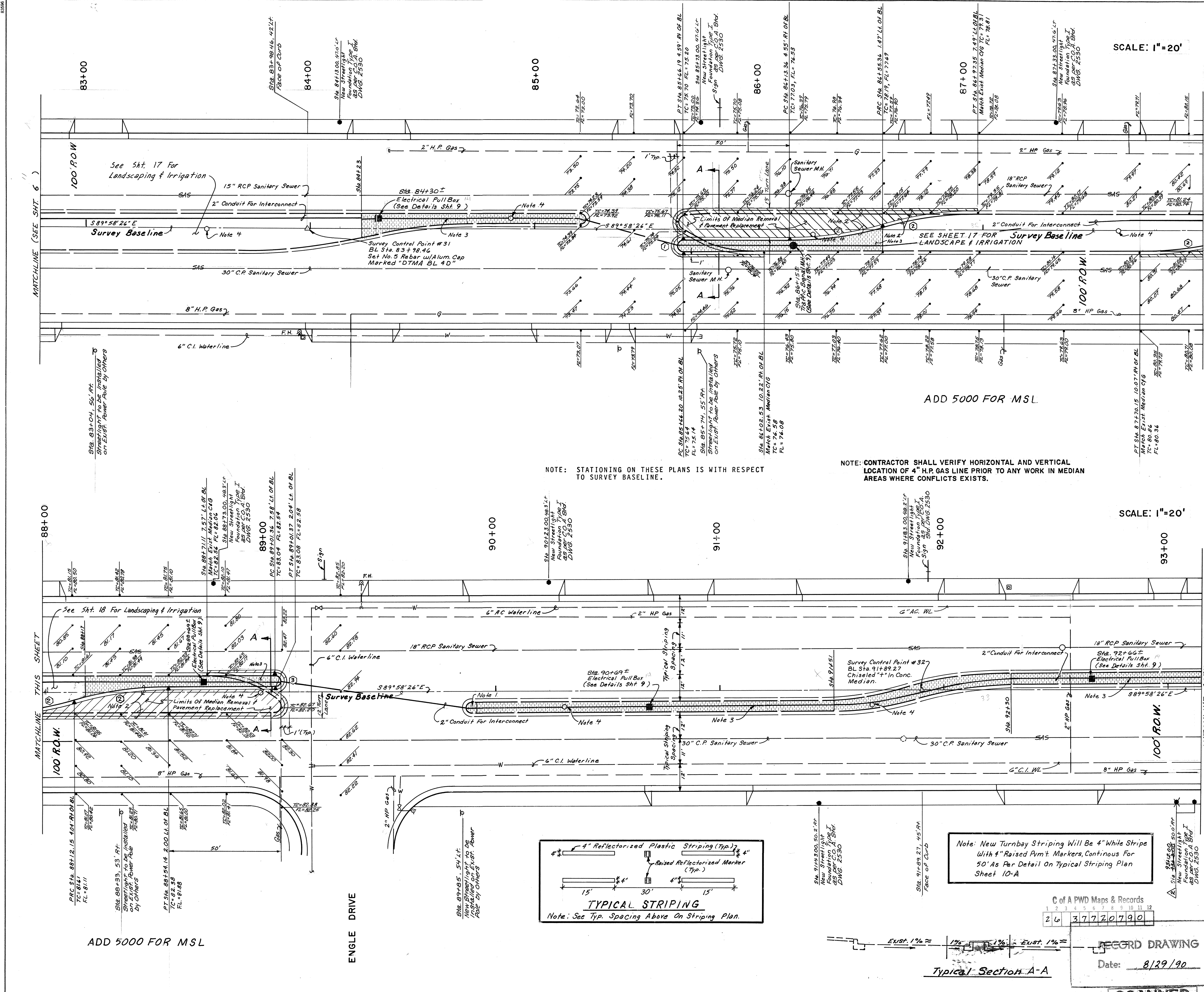
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DRAWING NO.	3772	MAP NO.	H-15	SHEET OF	5 21
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[illegible][illegible]

RECORD DRAWING
Date: 8/29/90

CITY OF ALBUQUERQUE					
PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING RECONSTRUCTION PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Roger L. Shaw</i>	2/2/87	Liquid Waste	<i>R.W. Kame</i>	12-7-89
A.C.E. - Design	"	"	Traffic	<i>R. Shaw</i>	12-6-87
A.C.E. - Hydrology	<i>William</i>	12-7-89	Water	<i>R.W. Kame</i>	12-7-89
DRAWING NO.	3772	MAP NO.	SHEET OF		
		H-15, H-16	6 21		
F.D.A. JOB NO. 931.31					



NOTES:

- REMOVE MEDIAN PAVEMENT (CONCRETE OR ASPHALT).
- REMOVE EXISTING AND BUILD NEW MEDIAN CURB & GUTTER WITH EXPANSION JOINTS. (CITY STANDARDS DRAWING 2415.1).
- NEW MEDIAN CONCRETE PAVEMENT, RUNNING AND BRICK PATTERNED. (SEE DETAIL SHEET 9.)
- CONSTRUCT NEW STREET LIGHT FOUNDATIONS AS INDICATED. PNM WILL RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE. CONTRACTOR SHALL THEN REMOVE AND REPAIR EXISTING STREET LIGHT FOUNDATIONS. BASE HOLES SHALL THEN BE BACKFILLED AND COMPACTED TO 95% DENSITY (ASTM D-1557). ENTIRE CIRCUMFERENCE MUST BE READY FOR RELOCATION AT ONE TIME IN ORDER THAT ROADWAY WILL REMAIN LIGHTED DURING CONSTRUCTION.
- ALL MEDIAN AREAS TO BE PLANTED SHALL BE EXCAVATED TO A DEPTH OF 3\"/>

LEGEND (EXISTING)

ANCHOR BOLT / GUY WIRE	○	LIGHT POLE
POWER POLE	○	TRAFFIC SIGNAL
TELEPHONE PEDESTAL, ELECTRIC BOX, ETC.	□	PULLBOX
WATER METER	⊗	WATER VALVE
FIRE HYDRANT	⊗	WATERLINE
SANITARY SEWER	—SAS—	STORM DRAIN
MANHOLE (SANITARY, STORM OR TELEPHONE) FIELD VERIFIED	○	MANHOLE (PER C.O.A. ATLAS) NOT FIELD VERIFIED
EXIST. C & G (MEDIAN)	—	SURVEY CONTROL POINT
SIGN (YIELD, STOP, ETC.)	△	SIGN (ADVERTISING)
TREE	—	DROP INLET
CHAIN LINK FENCE	—	SPOT ELEVATION
GAS LINE (PROPOSED)	—	
LIGHT FOUNDATION	■	ELECTRICAL PULLBOX
TRAFFIC MANHOLE	⊗	PC STA. 15+70.00 SPOT ELEV.
		MEDIAN C & G WITH PATTERNED CONC. PVM/T.

Median Reconstruction Face-Of-Curb Data

① Δ = 180°00'00"	② Δ = 16°57'37"
R = 2.83'	R = 150.00'
L = 8.89'	L = 42.57'
T = 21.45'	T = 21.45'

③ Δ = 180°00'00"

R = 2.77'
T = 8.71'

TYPICAL STRIPING

Note: See Typ. Spacing Above On Striping Plan.

Typical Section A-A

RECORD DRAWING

Date: 8/29/90

SCANNED BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING
RECONSTRUCTION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/7/99	Liquid Waste	R. W. Kane	12/7/99
A.C.E. - Design	J. J. J.	12/6/99	Traffic	R. W. Kane	12/7/99
A.C.E. - Hydrology	J. J. J.	12/7/99	Water	R. W. Kane	12/7/99

DRAWING NO. **3772** MAP NO. **H-16** SHEET **7** OF **21**

F.D.A. JOB NO. 931.31

AS BUILT INFORMATION

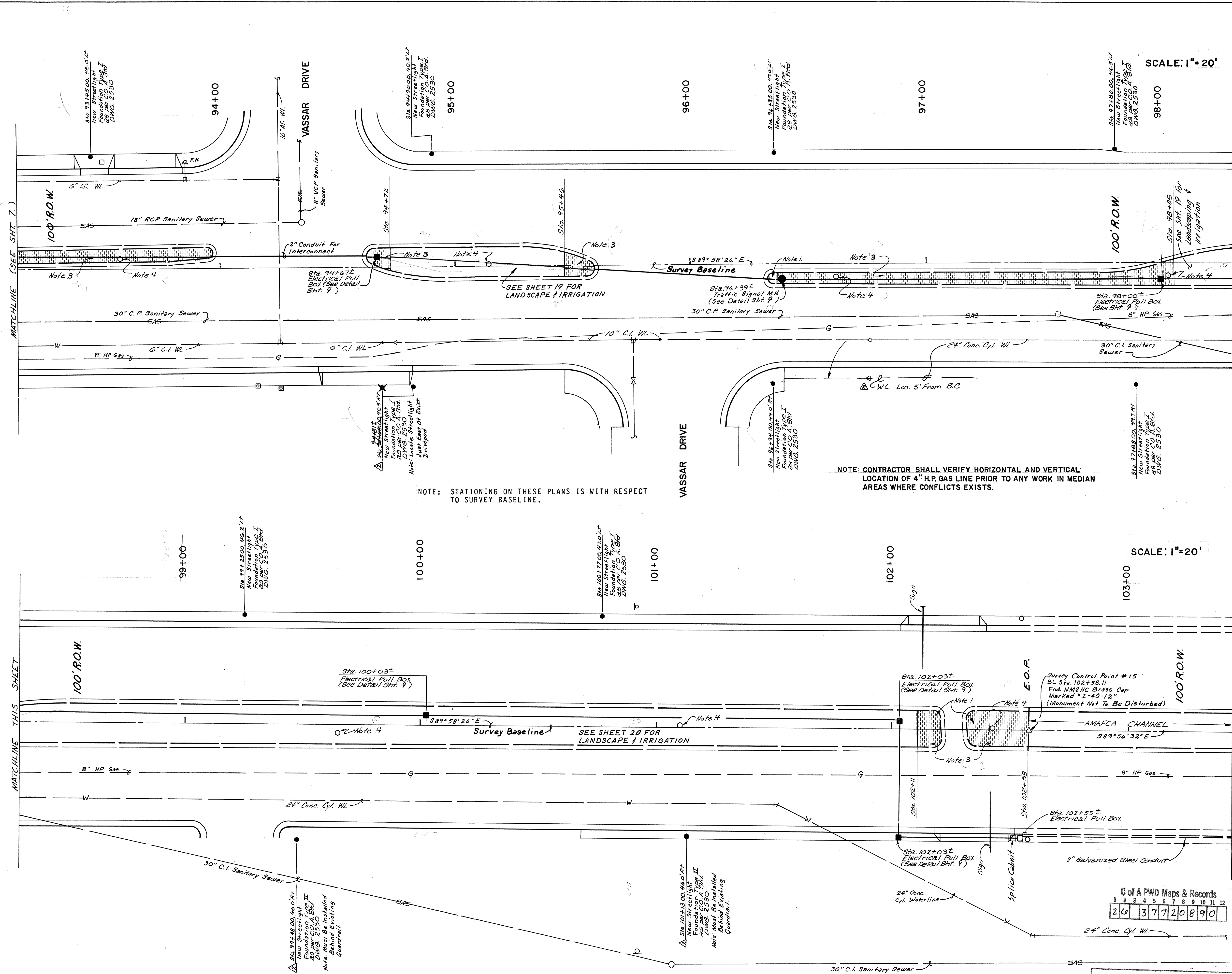
CONTRACTOR	UNIVERSAL
DATE	DATE
12/7/99	12/7/99

ENGINEER'S SEAL

Professional Engineer
FRED D. DUNN
No. 12789
State of New Mexico

NO.	DATE	REVISIONS
1	12/7/99	ADDENDUM NO. 2

DESIGNED BY: J.A.J.
DRAWN BY: T.J.W.
CHECKED BY: R.L.B.



SCALE: 1"=20'

SCALE: 1"=20'

- NOTES:
1. REMOVE MEDIAN PAVEMENT (CONCRETE OR ASPHALT).
 2. REMOVE EXISTING AND BUILD NEW MEDIAN CURB & GUTTER WITH EXPANSION JOINTS. (CITY STANDARDS DRAWING 2415.)
 3. NEW MEDIAN CONCRETE PAVEMENT. RUNNING BOND BRICK PATTERNED. (SEE DETAIL SHEET 9.)
 4. CONSTRUCT NEW STREET LIGHT FOUNDATIONS AS INDICATED. PNM WILL RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE. CONTRACTOR SHALL THEN REMOVE AND DISPOSE OF EXISTING STREET LIGHT FOUNDATIONS. BASE HOLES SHALL THEN BE BACKFILLED AND COMPACTED TO 95% DENSITY (ASTM D-1557). ENTIRE CIRCUIT MUST BE READY FOR RELOCATION AT ONE TIME IN ORDER THAT ROADWAY WILL REMAIN LIGHTED DURING CONSTRUCTION.
 5. ALL MEDIAN AREAS TO BE PLANTED SHALL BE EXCAVATED TO A DEPTH OF 3" FROM TOP OF CURB, EXCLUDING BENCH AT CURB. (SEE DETAIL SHEET 9.) SOIL REMOVED SHALL BE DISPOSED OF IN AN ENGINEER-APPROVED LANDFILL AND SHALL NOT BE REUSED IN THIS OR ANY OTHER LANDSCAPE PROJECT.
 6. WHEN REMOVING CURB & GUTTER ADJACENT TO EXISTING PAVEMENT ANY DAMAGE TO PAVEMENT OUTSIDE LIP OF CURB & GUTTER SHALL BE REMOVED AND REPLACED AT CONTRACTOR EXPENSE.
 7. ALL PAVEMENT CUTS SHALL BE ALONG NEAT STRAIGHT LINES. WHEN CURB & GUTTER IS REMOVED, A MINIMUM OF 1" OF PAVEMENT SHALL BE REMOVED.
 8. ALL 2" ELECTRICAL CONDUIT (FOR INTERCONNECT CONTROL WIRING) SHALL BE SCHEDULE 40 PVC. LOCATIONS SHOWN ARE APPROXIMATE. FINAL PLACEMENT TO BE FIELD VERIFIED.
 9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES. DAMAGE TO EXISTING LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 10. PNM TO RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE.
 11. WHERE STREET LIGHT FOUNDATIONS ARE INDICATED AT BACK OF SIDEWALK, BACK EDGE OF FOUNDATION SHALL BE PLACED AT BACK EDGE OF SIDEWALK. WHERE FOUNDATIONS ARE INDICATED AT BACK OF CURB, FRONT EDGE OF FOUNDATION SHALL BE PLACED AT BACK EDGE OF CURB.
 12. ALL MEDIANS SHALL HAVE A 30 MIL PE MEMBRANE INSTALLED CONTINUOUSLY AT THE BACK OF CURB AND AT THE EDGE OF CONCRETE. MEMBRANE SHALL EXTEND OVER SOIL BENCH AND TO THE BOTTOM OF THE EXCAVATED PIT. ADHERE MEMBRANE TO CONCRETE ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
 13. SHOULD CONSTRUCTION ON THIS PROJECT TAKE OVER ONE DAY TO ACCOMPLISH, PLATING OF PAVEMENT SHALL BE PROVIDED AT THE END OF EACH WORKING DAY. PLATES CAN BE OBTAINED FROM THE C.O.A. YARD OR PNO BY COORDINATING WITH RICK ROYAL AT 788-2531. PLATING WILL BE AT NO ADDITIONAL COST TO THIS CONTRACT.
 14. PAVEMENT REPLACEMENT WILL CONFORM TO PAVEMENT SECTION DETAILS ON SHEET 9.
 15. COORDINATE LOCATIONS OF TRAFFIC PEDESTAL FOUNDATIONS WITH TRAFFIC OPERATIONS # 764-1589, THREE WORKING DAYS PRIOR TO INSTALLATION.

LEGEND
(EXISTING)

- | | |
|---|---|
| ANCHOR BOLT w/ GUY WIRE | LIGHT POLE |
| POWER POLE | TRAFFIC SIGNAL |
| TELEPHONE PEDESTAL, ELECTRIC BOX, ETC. | PULLBOX |
| WATER METER | WATER VALVE |
| FIRE HYDRANT | WATERLINE |
| SANITARY SEWER | STORM DRAIN |
| MANHOLE (SANITARY, STORM OR TELEPHONE) FIELD VERIFIED | MANHOLE (PER C.O.A. ATLAS) NOT FIELD VERIFIED |
| EXIST. C & G (MEDIAN) | SURVEY CONTROL POINT |
| SIGN (YIELD, STOP, ETC.) | SIGN (ADVERTISEMENT) |
| TREE | DROP INLET |
| CHAIN LINK FENCE | TC=78.67
FL=78.22 |
| GAS LINE | SPOT ELEVATION |
| PROPOSED | |
| LIGHT FOUNDATION | ELECTRICAL PULLBOX |
| TRAFFIC MANHOLE | PC STA. 15+70
TC=, FL= |
| | SPOT ELEV. |
| | MEDIAN C & G WITH PATTERNED CONC. PVM/T. |

RECORD DRAWING

Dates: 8/29/90

SCANNED BY

CITY OF ALBUQUERQUE

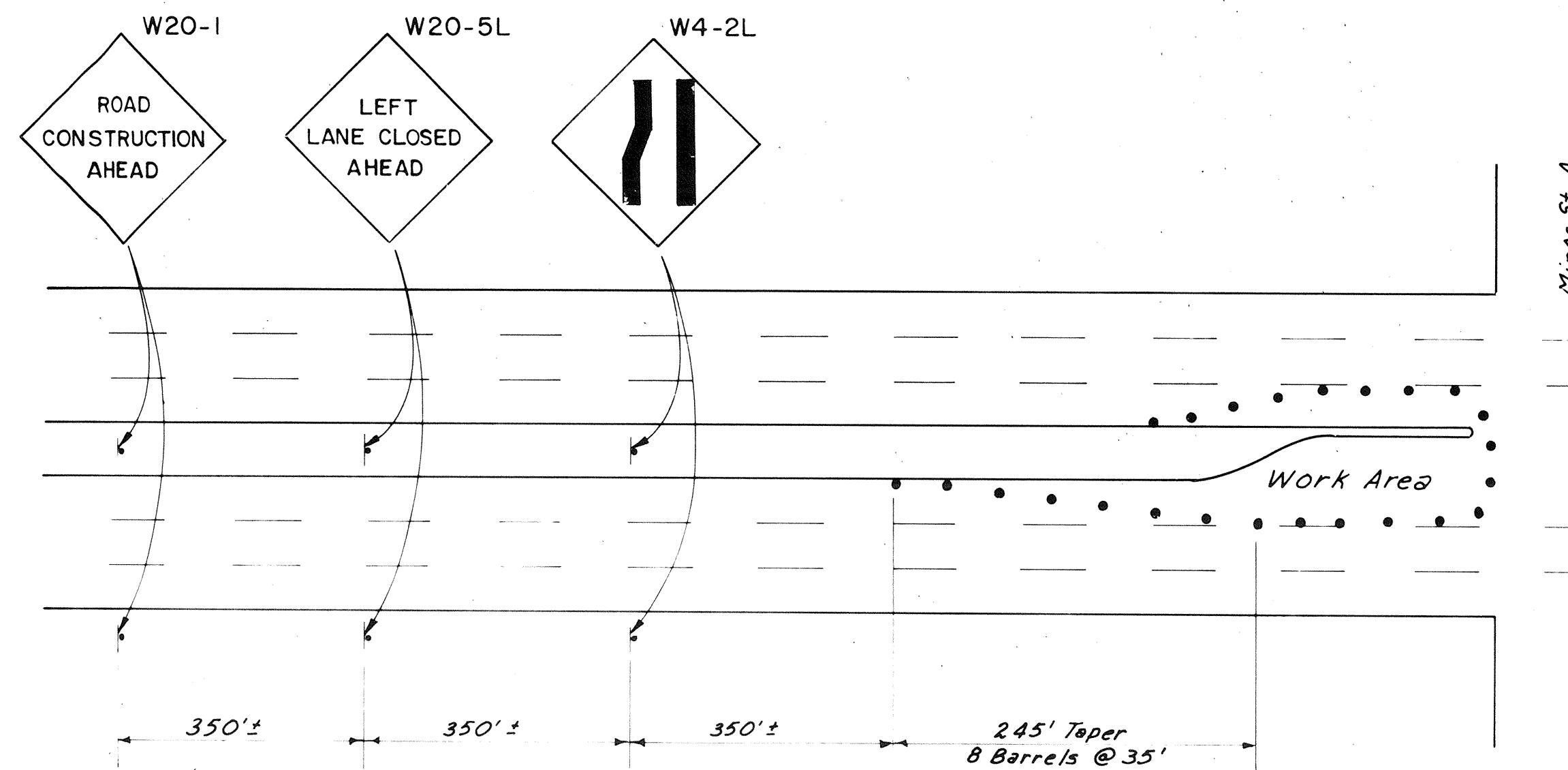
PUBLIC WORKS DEPARTMENT

TITLE: **MENAU BOULEVARD NE. PH II-B**
MEDIAN RECONSTRUCTION & LANDSCAPING
 RECONSTRUCTION PLAN

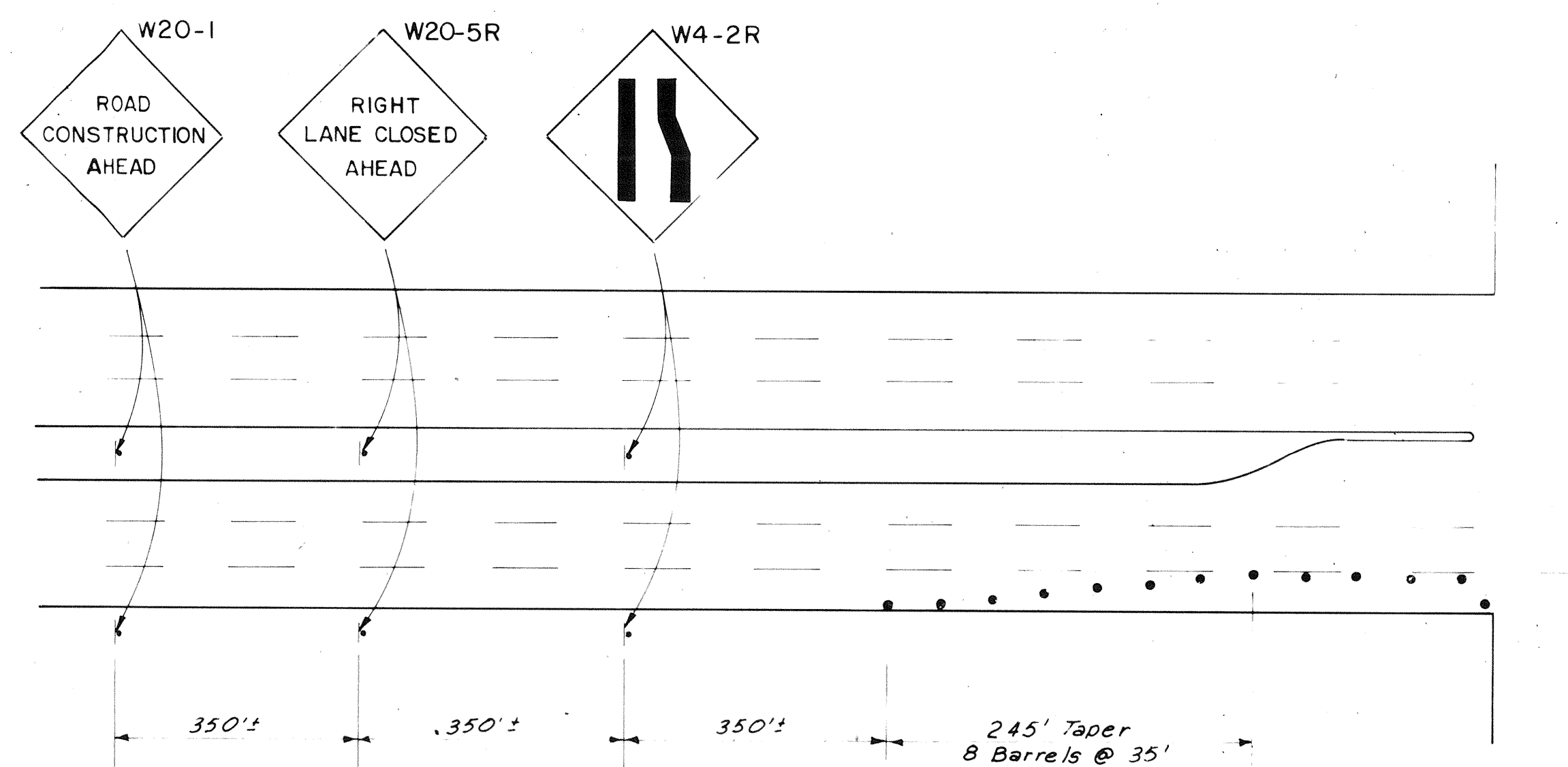
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>R. W. Kane</i>	12/2/89	Liquid Waste	<i>R. W. Kane</i>	12-7-89
A.C.E. - Design	"	"	Traffic	<i>R. W. Kane</i>	12-6-89
A.C.E. - Hydrology	<i>T. W. Kane</i>	12/7/89	Water	<i>R. W. Kane</i>	12-7-89

DRAWING NO.	MAP NO.	SHEET OF
3772	H-16	8 21

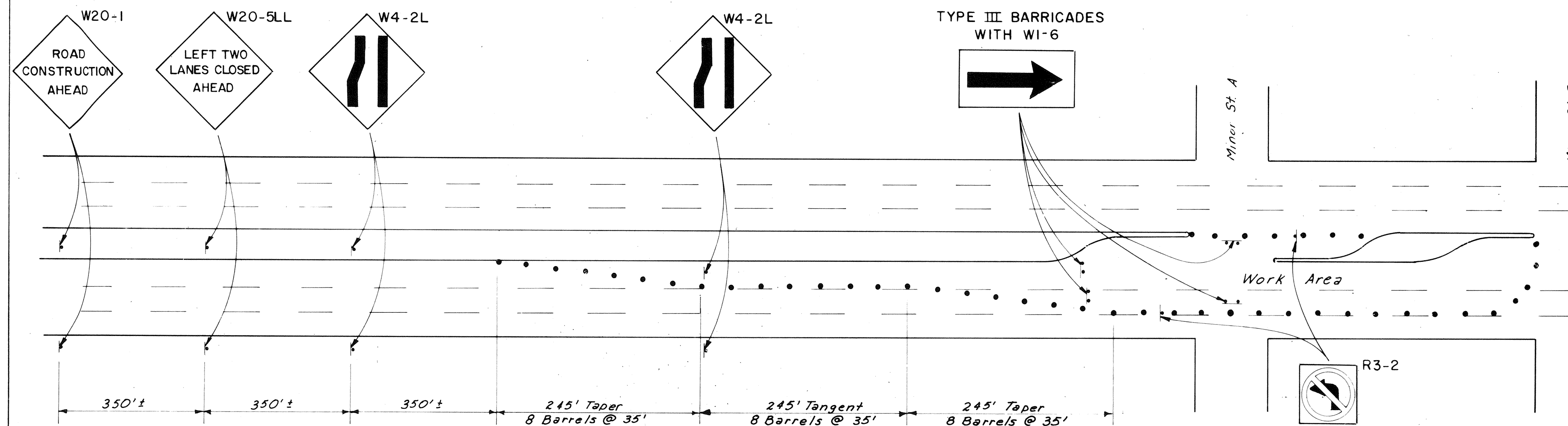
F.D.A. JOB NO. 93.131



TYPICAL LEFT LANE CLOSURE
NO SCALE



TYPICAL RIGHT LANE CLOSURE
NO SCALE



TYPICAL LEFT TWO LANES CLOSED
NO SCALE

TYPE III BARRICADES
WITH W1-6

Match Advance Signing
and Barricading in opposite direction

NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH CHAPTER VI OF THE 1978 EDITION "NEW MEXICO MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES."
2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY TRAFFIC ENGINEER A DETAILED DETOUR PLAN, WHICH MUST BE APPROVED BY THE CONSTRUCTION CO-ORDINATION ENGINEER (768-2552) 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED LANE CLOSURES OTHER THAN THOSE SHOWN ON THESE PLANS.
3. ALL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS AS DIRECTED BY THE CONSTRUCTION CO-ORDINATION ENGINEER (768-2552). SIGN HEIGHTS SHALL BE 7 FEET ABOVE THE SIDEWALK LEVEL TO THE BOTTOM OF THE SIGN.
4. ALL SIGNS, BARRICADES AND/OR BARRELS WILL BE REFLECTORIZED. ALL BARRELS MAY HAVE SAND OR WATER BALLAST LIMITED TO 100 LBS. NO ROCK OR OTHER WEIGHTING IS ALLOWED.
5. ALL SIGN LOCATION WILL BE SELECTED IN THE FIELD AND APPROVED BY THE CONSTRUCTION CO-ORDINATION ENGINEER (768-2552). DISTANCES MAY BE ADJUSTED FOR LOCAL CONDITIONS WITH APPROVAL OF TRAFFIC ENGINEERING.
6. ALL APPLICABLE SIGNS WILL BE MOVED AS THE CONSTRUCTION PROGRESSES.
7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION EXCEPT DURING ACTUAL PAVING OPERATIONS.
8. WHEN TRAFFIC CONTROL DEVICES ARE REQUIRED AFTER DARK, ALL ADVANCE WARNING SIGNS AND ALL BARRICADES SHALL BE EQUIPPED WITH FLASHING WARNING LIGHTS (TYPE A), EXCEPT THAT ALL CHANNELIZING TRAFFIC CONTROL DEVICES SHALL HAVE STEADY BURNING WARNING LIGHTS (TYPE C). LIGHTS WILL BE CONSIDERED INCIDENTAL TO THE BARRICADES AND WARNING SIGNS.
9. ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DIRECTED BY THE CITY OF ALBUQUERQUE CONSTRUCTION CO-ORDINATION ENGINEER (768-2552). THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.
10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE PERIOD OF CONSTRUCTION. ALL SUCH CHANNELIZATION SHALL BE ARRANGED TO PREVENT PEDESTRIANS FROM HAVING TO ENTER THE ROADWAY IN ORDER TO PASS AROUND THE WORK AREAS.
11. ALL CONSTRUCTION SIGNING SHALL BE BLACK ON A REFLECTORIZED ORANGE FIELD UNLESS OTHERWISE SPECIFIED. ALL CONSTRUCTION BARRICADES AND CHANNELIZATION DEVICES SHALL BE ORANGE ON WHITE, REFLECTORIZED, UNLESS OTHERWISE SPECIFIED.
12. ALL ADVANCE WARNING SIGNS NOT DIRECTLY APPLICABLE SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ONCOMING TRAFFIC.
13. BARRICADES AND BARRELS SHALL NOT BE INTERMIXED IN THE SAME SERIES OF CHANNELIZATION.
14. PORTABLE SIGN SUPPORTS MUST SATISFY MOUNTING HEIGHT REQUIREMENTS (SEE NOTE 3).
15. A MINIMUM WIDTH OF 11 FEET FOR ONE LANE TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
16. PERMANENT STRIPING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE COMPLETED BEFORE ANY SEGMENT OF THE PROJECT IS OPENED TO TRAFFIC. THE CONTRACTOR SHALL COORDINATE WITH THE CITY TRAFFIC ENGINEER AS TO WHEN EACH SEGMENT WILL BE COMPLETED. (SEE NOTE 23).
17. THE CONTRACTOR SHALL SUBMIT THE SEQUENCE OF CONSTRUCTION FOR APPROVAL BY THE CONSTRUCTION CO-ORDINATION ENGINEER (768-2552), PRIOR TO STARTING THE PROJECT.
18. ALL LANES OF MENAUL MUST BE OPEN TO TRAFFIC BETWEEN 7 A.M. TO 9 A.M. AND 4 P.M. TO 6 P.M.
19. CONTRACTOR MAY BLOCK A LEFT LANE FOR A MAXIMUM OF 2,000' AS SHOWN IN ORDER TO CREATE A WORK AREA. AT NO TIME SHALL TWO CONSECUTIVE MEDIAN OPENINGS BE BLOCKED DUE TO CONSTRUCTION ACTIVITIES.
20. CONTRACTOR MAY BLOCK TWO LANES OF MENAUL TRAFFIC FOR A MAXIMUM OF 3 HOURS AS SHOWN IN ORDER TO ACCOMPLISH UTILITY CROSSINGS.
21. ALL EXCAVATION MUST BE PLATED OR PATCHED PRIOR TO OPENING TO TRAFFIC.
22. CONTRACTOR SHALL PROVIDE ACCESS SIGNS AS DIRECTED BY TRAFFIC ENGINEER. ACCESS SIGNS SHALL HAVE A BLUE REFLECTORIZED BACK GROUND WITH 5" WHITE LETTERING. ALL COSTS SHALL BE CONSIDERED INCIDENTAL TO CONTRACT. CONTRACTOR WILL COMPLY WITH SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
23. ANY NEW PAVEMENT MARKINGS REQUIRE A SKETCH TO BE SUBMITTED TO TRAFFIC ENGINEERING OPERATIONS. IT IS REQUIRED THAT THE CONTRACTOR PLACE ANY NEW PERMANENT MARKINGS.

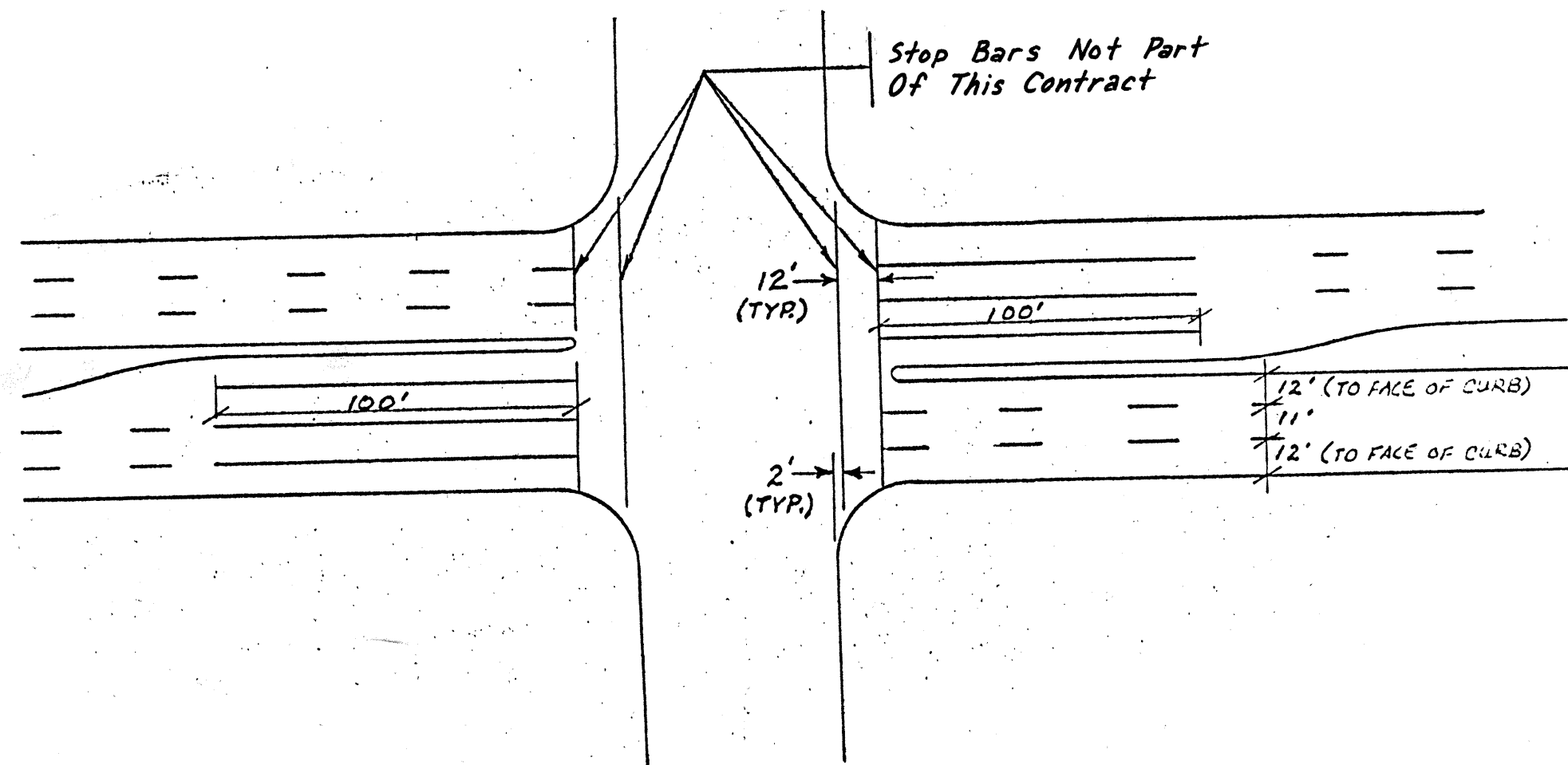
C of A PWD Maps & Records
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RECORD DRAWING

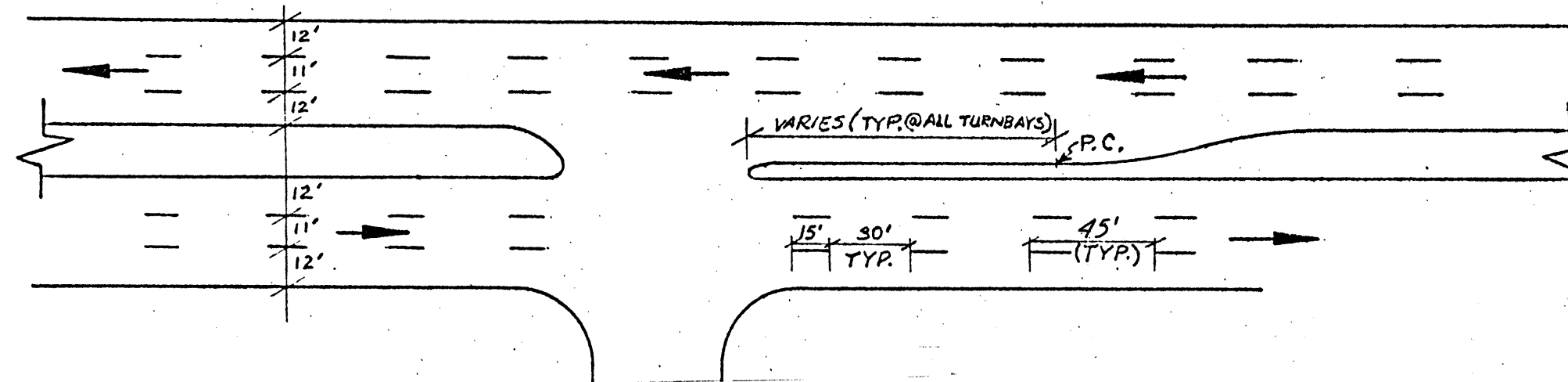
Date: 8/29/90

SCHEMATIC
BY

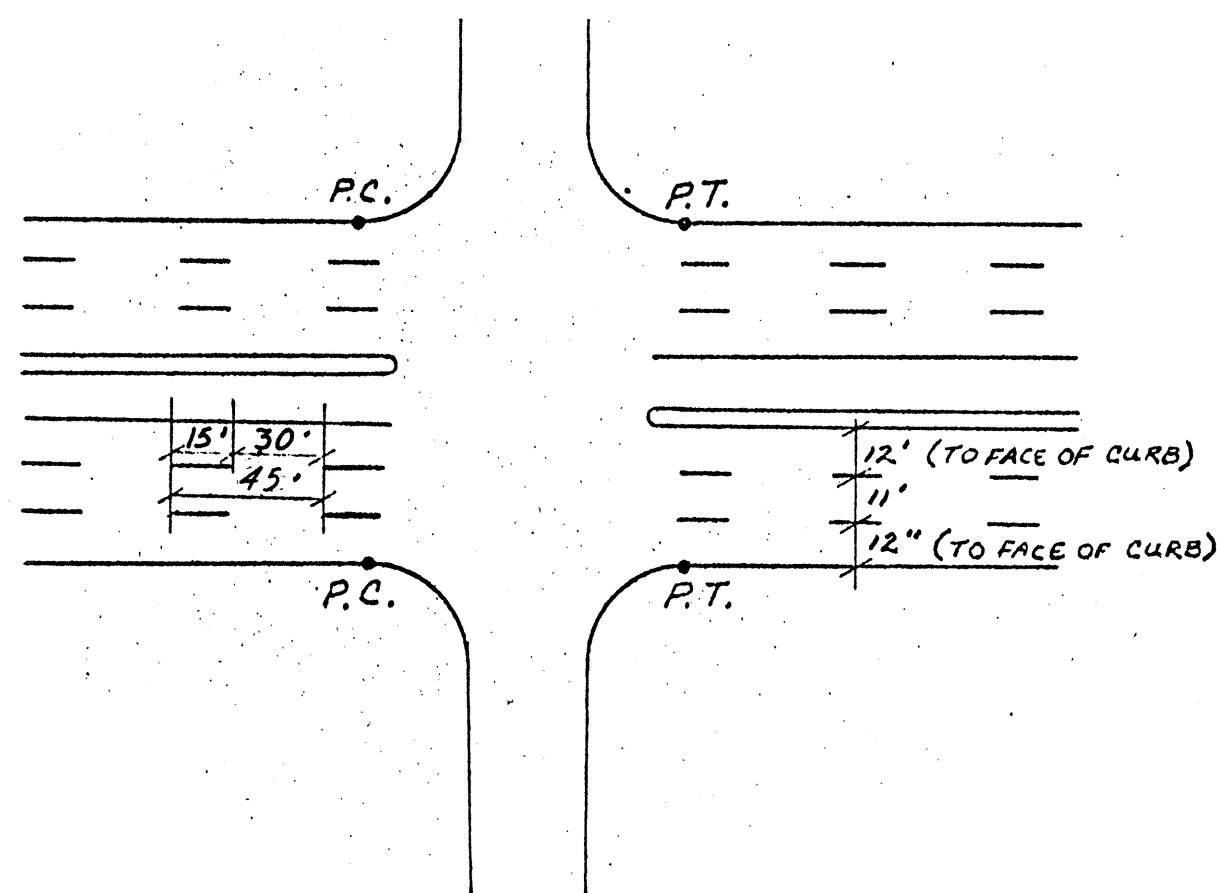
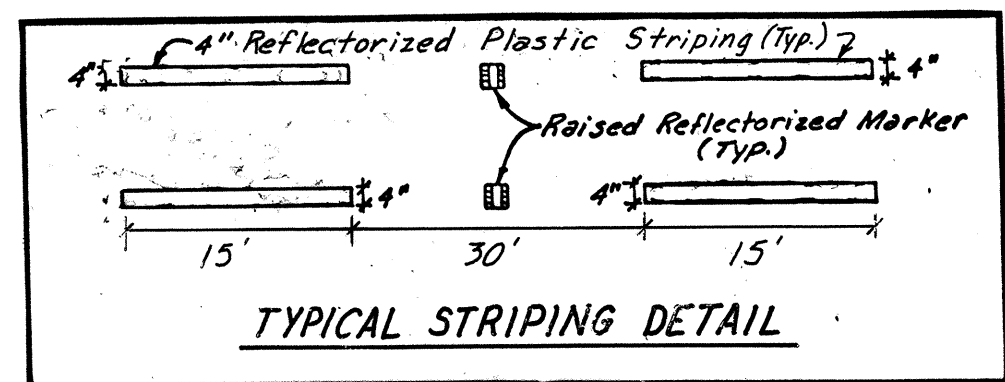
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/18/90	Liquid Waste	R. W. Kane	12/18/90
A.C.E. - Design	"	"	Traffic	R. W. Kane	12/18/90
A.C.E. - Hydrology	"	"	Water	R. W. Kane	12/18/90
DRAWING NO.	3772	MAP NO.	SHEET	10	21



STRIPING PLAN FOR SIGNALIZED INTERSECTIONS



TYPICAL STRIPING PLAN FOR "T" INTERSECTION
NOTE: Carry Striping Across As Shown Where No Street Intersects.



STRIPING PLAN FOR TYPICAL 4-WAY INTERSECTION

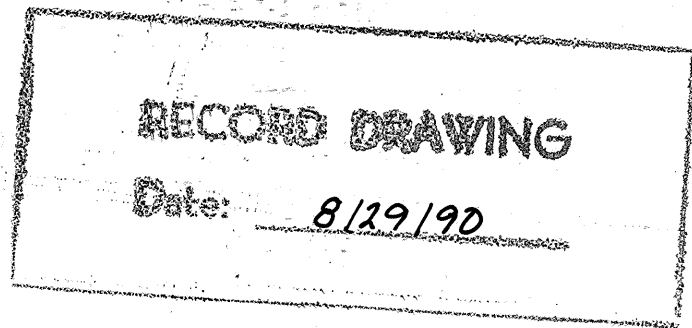
NOTES
LANING MATERIAL: 4" Wide - 90 Mil. Thick - ReflectORIZED Plastic. Preformed-Cold In Accordance With Supplemental Technical Specifications.
Skip Lane Lines Are 15' Long With A 30' Gap.
Stop Bars Not Part Of This Contract

NOTE: Typical Street Striping Details



C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11	12
26	37	72	10	90	A						



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD PH II - B MEDIAN RECONSTRUCTION & LANDSCAPING TYPICAL STRIPING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/7/89	Liquid Waste	R. W. Kane	12-7-89
A.C.E. - Design	R. W. Kane	12/7/89	Traffic	R. W. Kane	12-7-89
A.C.E. - Hydrology	R. W. Kane	12/7/89	Water	R. W. Kane	12-7-89
DRAWING NO	3772	MAP NO.	SHEET	OF	
			10A	21	

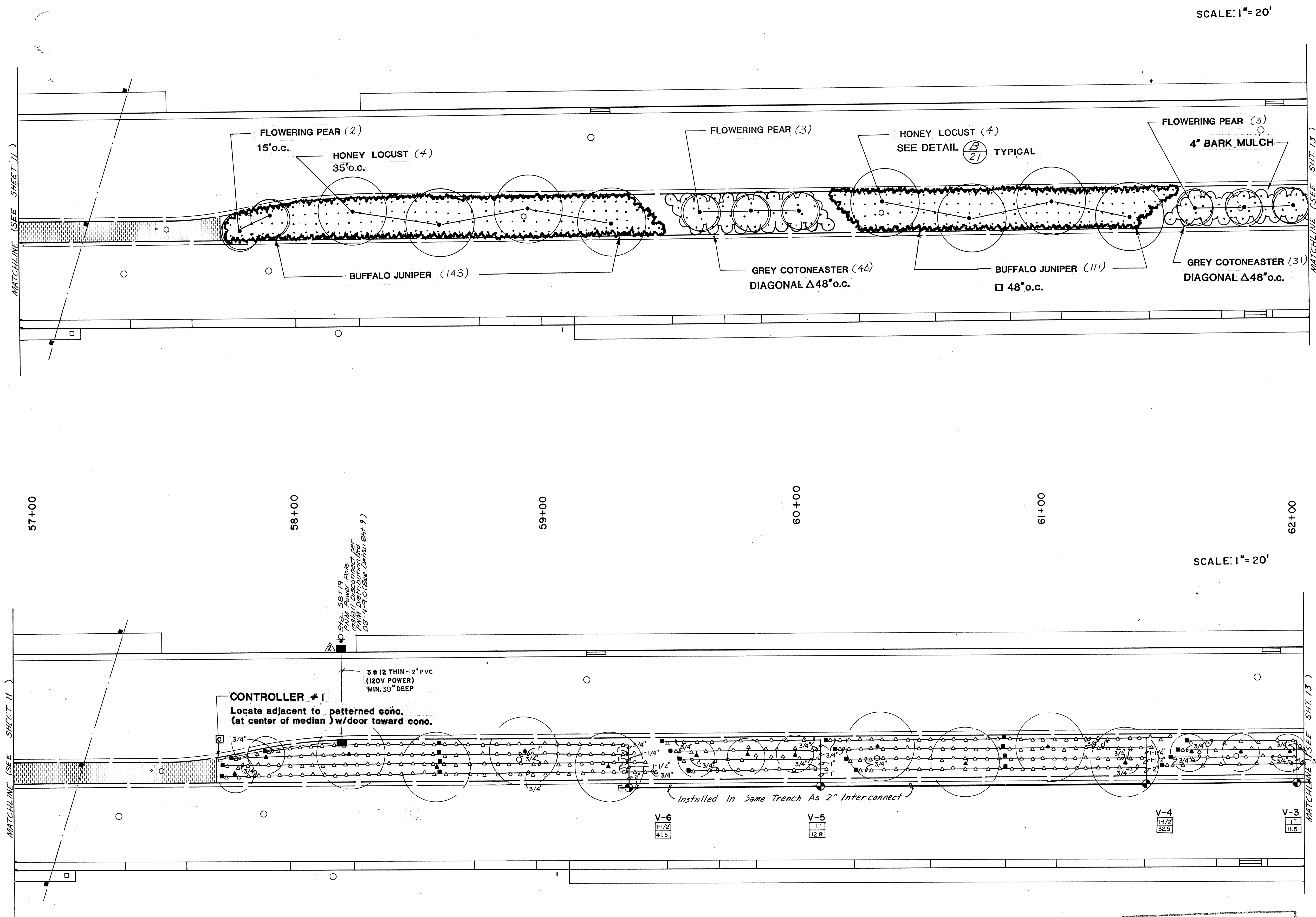


INSTALL ONE 1/4 GPM BUBBLER PER SHRUB &
ONE 1 GPM BUBBLER PER TREE

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

F.D.A. JOB NO. 931.31

F.D.A. JOB NO. 931.31

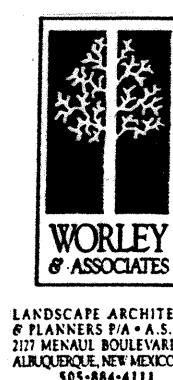


NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

INSTALL ONE 1/4 GPM BUBBLER PER SHRUB & ONE 1 GPM BUBBLER PER TREE

RECORD DRAWING

Date 8/29/90



CONSTRUCTION NOTES

- All median areas to be planted shall be excavated to a depth of 3 feet from top of curb excluding bench at curb. See Typical Median Section Sheet 21. Soil removed shall be disposed of in an approved landfill and shall not be reused in this or any other landscape project because of sterilization.
- All medians where planting occurs shall have a 30 mil PE membrane installed continuously at the back of curb and at the edge of concrete. Membrane shall extend over toll bench and to the bottom of the excavated pit. After membrane to concrete according to manufacturer's specifications and recommendations.
- Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.
- Adjustments in layout of landscape features as required to meet variations between the plan dimensions/graphics and existing site features shall be made in the field under the supervision of the Landscape Architect.
- The Landscape Contractor shall visit the site and analyze existing conditions and scope of work prior to bid.
- Access signs shall be supplied to all businesses by the Contractor. As directed by the Traffic Engineer, signs shall be incidental to the Contract.

PLANTING NOTES

- Plants for annual color beds shall be installed by Owner and are not in this contract. Install irrigation in these areas as indicated.
- Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1" diameter, debris, vegetation and trash (sample shall be approved by Landscape Architect), and 1 part ground bark mulch. Compact combined fill to Natural Density as determined by Engineer.
- All planted areas of medians shall contain 2" deep shredded bark mulch. Sample to be approved by Landscape Architect.
- Trees shall be 5 feet minimum from back of curb.
- Numbers of plants are estimates only. Contractor is responsible for plants shown on plans. See Sheet 21 for dimensions from curb for plants.

IRRIGATION NOTES

- At completion of the project, the Landscape Contractor shall coordinate the final controller program with Maintenance Division, Parks and Recreation Department, City of Albuquerque.
- Water pressure on the site varies. Landscape Contractor shall verify pressure on the site for each system at top (pressure is assumed to be 65 PSI or greater). Pressure at each irrigation head shall equal minimum of 20 PSI.
- Plan locations of meters, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each item on site in medians.
- Each valved system shall have a manual drain installed at the low point of the main line and an air relief valve at the high point. See Detail (B/21).
- All piping shall be sleeved under all pavement in 1 1/2" class 200 PVC pipe. 24 volt wires shall be sleeved in 1 1/2" class 200 PVC pipe.
- There shall be one 1/4 gpm bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one 1 gpm bubbler for each tree, 24" from the center of the tree on the uphill side.

IRRIGATION LEGEND

- Water Meter - Rockwell Sealed Register Meter sized as shown on plan. 3" total. Rockwell Sealed Register water meter sized as shown on plan. Top and installation by City of Albuquerque (see drawing 2363 City contract documents); cost and coordination are the responsibility of the Contractor. W/Quinn Service Dept. 505-766-2800.
- Controller - Rain Bird 250 Independent Station Computer Controller. Controller shall be housed in a concrete vault 18" x 18" x 18" as shown on plan. Current Electronics, Inc. freeze sensor shall be included. Controller size as shown on plan and as noted in Controller / Valve Legend - Sheet 21.
- Master Valve Assembly - See Detail (B/21). Assembly includes and follows:
 - Rain Bird EFA-CP 200 Brass Electric - 2"
 - Rain Bird Pressure Vacuum Breaker - PVB-200-R
 - King Automatic Drain
 - Hammond HV-587 Brass Gate Valve - 2"

- Remote Control Valve - Rain Bird VE Series - See Detail (B/21). Size as shown on plan.
- Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (B/21).
- Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Details (B/21) and (B/22).
- Pressure Compensating Full Circle Bubbler - Rain Bird 1801 - 1/4 GPM - 1 per shrub, 12" from center of shrub on up hill side. See Detail (B/21).
- Pressure Compensating Full Circle Bubbler - Rain Bird 1808 - 1 GPM - 1 per tree, 24" from center of tree on up hill side. See Detail (B/21).

- 12" Pop-Up Spray Head - S - Rain Bird 1812 w/ 812H nozzle (psi = 20, radius = 10', gpm = .80, p/r = 1.58). See Detail (B/21).
- 12" Pop-Up Spray Head - Q - Rain Bird 1812 w/ 812Q nozzle (psi = 20, radius = 10', gpm = .80, p/r = .58). See Detail (B/21).
- Inverted Garden Valve - Champion 1-40 at 18" below finish grade in base & Hayes 38 D valve box.
- Schedule 40 PVC Main Line - 36" bury, size as shown on plans.
- Schedule 40 PVC Lateral Line - 18" bury, size as shown on plans.
- Class 200 PVC Sleeve - place under all paving.
- Electrical Pullbox - For Irrigation. See Detail SHT. 9.

C of A PWD Maps & Records

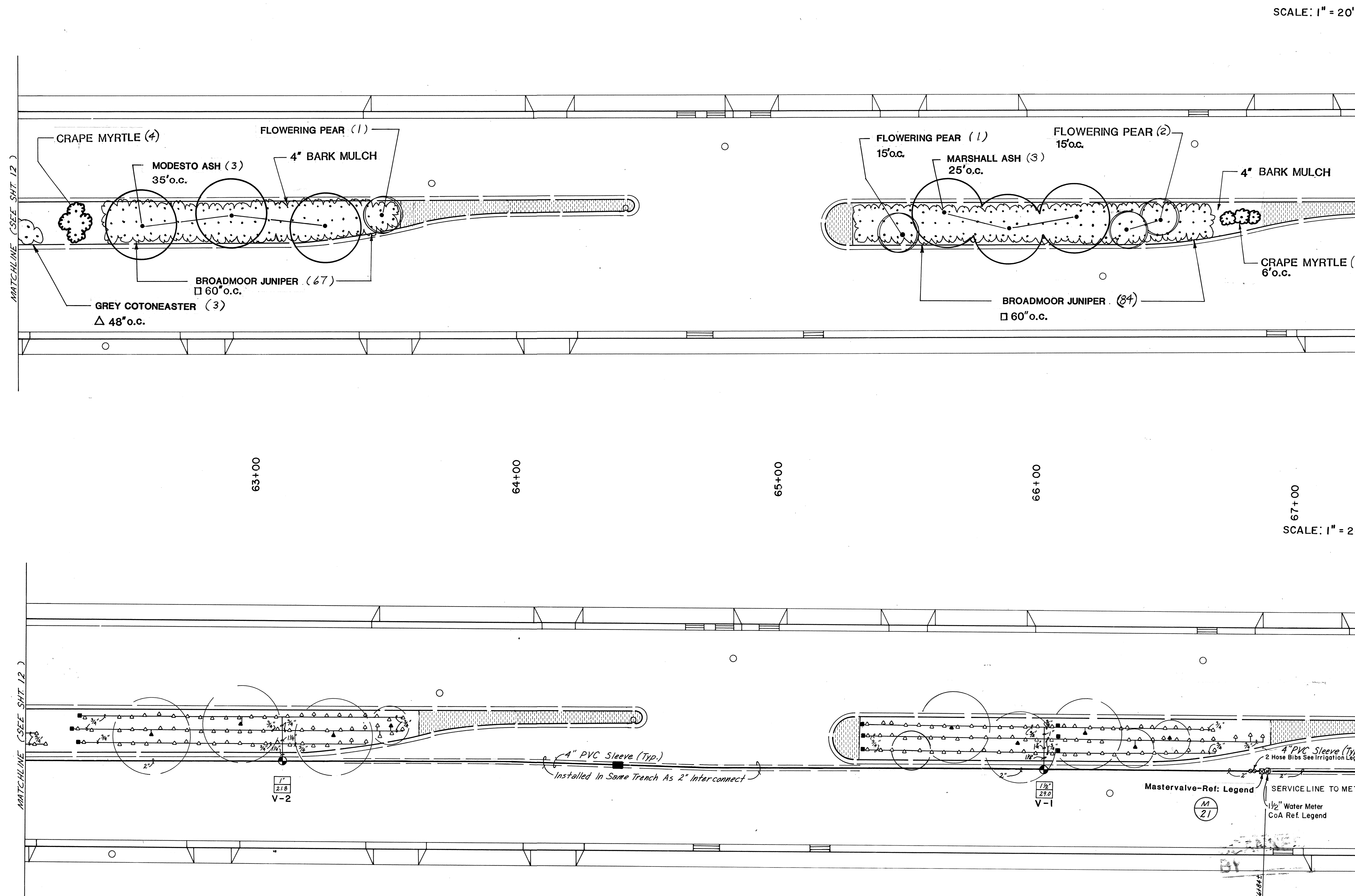
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENTTITLE: MENAUL BOULEVARD NE. PH II-B
MEDIAN RECONSTRUCTION & LANDSCAPING
LANDSCAPING & IRRIGATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>John A. Shaw</i>	8/2/90	Liquid Waste	<i>R.W. Kane</i>	12-7-89
A.C.E.-Design	<i>A.C.E.</i>	12/1/89	Traffic	<i>R.W. Kane</i>	12-6-89
A.C.E.-Hydrology	<i>A.C.E.</i>	12/1/89	Water	<i>R.W. Kane</i>	12-7-89
Parks & Recreation	<i>A.C.E.</i>	12-6			

DRAWING NO.	MAP NO.	SHEET OF
3772	H-15	12 21



NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

INSTALL ONE 1/2 GPM BUBBLER PER SHRUB & ONE 1 GPM BUBBLER PER TREE

SCANNED BY

RECORD DRAWING

Date: 8/29/90



LANDSCAPE ARCHITECTS
9 PLANTERS - 1/2" x 1/4"
211 MENAUL BOULEVARD NE
ALBUQUERQUE, NM 87301
901-844-4111

CONSTRUCTION NOTES

- All median areas to be planted shall be excavated to a depth of 3 feet from top of curb excluding bench at curb. See typical median section Sheet 21. Soil removed shall be disposed of in an approved landfill and shall not be reused in this or any other landscape project because of sterilization.
- All medians where planting occurs shall have a 30 mil PE membrane installed continuously at the back of curb and at the edge of concrete. Membrane shall extend over soil bench and to the bottom of the excavated pit. Adhere membrane to concrete according to manufacturer's specifications and recommendations.
- Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.
- Adjustments in layout of landscape features as required to meet variations between the plan dimensions/graphics and existing site features shall be made in the field under the supervision of the Landscape Architect.
- The Landscape Contractor shall visit the site and analyze existing conditions and scope of work prior to bid.
- Access signs shall be supplied to all businesses by the Contractor. As directed by the Traffic Engineer, signs shall be incidental to the Contract.

PLANTING NOTES

- Plants for annual color beds shall be installed by Owner and are not in this contract. Install irrigation in these areas as indicated.
- Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1" diameter, debris, vegetation and trash (sample shall be approved by Landscape Architect), and 1 part ground bark mulch. Compact combined fill to Natural Density as determined by Engineer.
- All planted areas of medians shall contain 3" deep shredded bark mulch. Sample to be approved by Landscape Architect.
- Trees shall be 5 feet minimum from back of curb.
- Numbers of plants are estimates only. Contractor is responsible for plants shown on plans. See Sheet 21 for dimensions from curb for plants.

IRRIGATION NOTES

- At completion of the project, the Landscape Contractor shall coordinate the final controller program with Maintenance Division, Parks and Recreation Department, City of Albuquerque.
- Water pressure on the site varies. Landscape Contractor shall verify pressure on the site for each system at tag (pressure is assumed to be 60 PSI or greater). Pressure at each irrigation head shall equal minimum of 20 PSI.
- Plan locations of meters, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each item on site in medians.
- Each valved system shall have a manual drain installed at the low point of the main line and an air relief valve at the high point. See Detail (A) (B).
- All piping shall be sleeved under all pavement in 4" class 200 PVC pipe. 24 volt wires shall be sleeved in 1/2" class 200 PVC pipe.
- There shall be one 1/4 gpm bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one 1 gpm bubbler for each tree, 24" from the center of the tree on the uphill side.

IRRIGATION LEGEND

- Water Meter - Rockwell Sealed Register Meter sized as shown on plans. 3 total. Rockwell Sealed Register water meter sized as shown on plans. (See drawing 2363 City contract documents); cost and coordination are the responsibility of the Contractor. W/Customer Service Dept. Ph. 505-765-2800.
- Controller - Rain Bird 12C Independent Station Computer Controller. Controller shall be housed in a concrete vault #32MC-1000 as mfg. by Materials Inc.. Current Electronics, Inc.. Freeze sensor shall be included. Controller size as shown on plans and as noted in Controller / Valve Legend - Sheet 21.
- Master Valve Assembly - See Detail (A) (B).
1. Rain Bird RFA-CP 200 Brass Electric - 2"
2. Rain Bird Pressure Vacuum Breaker - PVB-200-R
3. King Automatic Drain
4. Hammond HV-687 Brass Gate Valve - 2"
- Remote Control Valve - Rain Bird PE Series - See Detail (A) (B).
Size as shown on plans. 1.5" CW.
- Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (A) (B).
- Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Detail (A) (B).
- Pressure Compensating Full Circle Bubbler - Rain Bird 1401 - 1/4 GPM - 1 per shrub, 12" from center of shrub on up hill side. See Detail (A) (B).
- Pressure Compensating Full Circle Bubbler - Rain Bird 1401 - 1 GPM - 1 per tree, 24" from center of tree on up hill side. See Detail (A) (B).
- 12" Pop-Up Spray Head - W - Rain Bird 1812 w/ B12H nozzle (pat = 20, radius = 10', gpm = .80, p/r = 1.54). See Detail (A) (B).
- 12" Pop-Up Spray Head - Q - Rain Bird 1812 w/ B12Q nozzle (pat = 20, radius = 10', gpm = .80, p/r = .54). See Detail (A) (B).
- Inverted Garden Valve - Champion I-40 at 18" below finish grade in Bass & Hayes 34 D valve box.
2 in Single Box. Locate in line immediately after Master Valve.
Schedule 40 PVC Main Line - 36" bury, size as shown on plans.
- Schedule 40 PVC Lateral Line - 18" bury, size as shown on plans.
- Class 200 PVC Sleeve - place under all paving.
- Electrical Pull Box - For irrigation. See Detail SHT. 9.

C of A PWD Maps & Records

1 2 3 4 5 6 7 8 9 10 11 12
26 37 72 13 90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: MENAUL BOULEVARD NE. PH II-B
MEDIAN RECONSTRUCTION & LANDSCAPING
LANDSCAPING & IRRIGATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/8/89	Liquid Waste	R. W. Kane	12/8/89
A.C.E.-Design	R. W. Kane	12/8/89	Traffic	R. W. Kane	12/8/89
A.C.E.-Hydrology	R. W. Kane	12/8/89	Water	R. W. Kane	12/8/89
Parks & Recreation	R. W. Kane	12/8/89			

DRAWING NO. 3772 MAP NO. H-15 SHEET 13 OF 21

F.D.A. JOB NO. 931.31

MATCHLINE (SEE SHEET 13)

MATCHLINE (SEE SHEET 13)

ADDRESS IS 1914
MENAUL BLVD.4" PVC Sleeve (Typ.)
Installed in Same Trench As 2" Interconnect
Service Line to Meter

UNIVERSITY BLVD.

UNIVERSITY BLVD.

68+00

69+00

70+00

71+00

72+00

SCALE: 1"=20'

SCALE: 1"=20'

NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

INSTALL ONE 1/4 GPM BUBBLER PER SHRUB &
ONE 1 GPM BUBBLER PER TREE

SCANNED
BY

RECORD DRAWING

Date: 8/29/90



NOTES

- All median areas to be planted shall be excavated to a depth of 3 feet from top of curb excluding bench at curb. See typical median section Sheet 21. Soil removed shall be disposed of in an approved landfill and shall not be reused in this or any other landscape project because of sterilization.
- All medians where planting occurs shall have a 30 mil PE membrane installed continuously at the back of curb and at the edge of concrete. Membrane shall extend over soil bench and to the bottom of the excavated pit. Adhere membrane to concrete according to manufacturer's specifications and recommendations.
- Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.
- Adjustments in layout of landscape features as required to meet variations between the plan dimensions/graphics and existing site features shall be made in the field under the supervision of the Landscape Architect.
- The Landscape Contractor shall visit the site and analyze existing conditions and scope of work prior to bid.
- Access signs shall be supplied to all businesses by the Contractor. As directed by the Traffic Engineer, signs shall be incidental to the Contract.

PLANTING NOTES

- Plants for annual color beds shall be installed by Owner and not in this contract. Install irrigation in these areas as indicated.
- Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1" diameter, debris, vegetation and trash (sample shall be approved by Landscape Architect), and 1 part ground bark mulch. Compact combined fill to Natural Density as determined by Engineer.
- All planted areas of medians shall contain 8" deep shredded bark mulch. Sample to be approved by Landscape Architect.
- Trees shall be 5 feet minimum from back of curb.
- Numbers of plants are estimates only. Contractor is responsible for plants shown on plans. See Sheet 21 for dimensions from curb for plants.

IRRIGATION NOTES

- At completion of the project, the Landscape Contractor shall coordinate the final controller program with Maintenance Division, Parks and Recreation Department, City of Albuquerque.
- Water pressure on the site varies. Landscape Contractor shall verify pressure on the site for each system at tap (pressure is assumed to be 65 PSI or greater). Pressure at each irrigation head shall equal minimum of 20 PSI.
- Plan locations of meters, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each item on site in medians.
- Each valved system shall have a manual drain installed at the low point of the main line and an air relief valve at the high point. See Detail (A) (2).
- All piping shall be sleeved under all pavement in 4" class 200 PVC pipe. 24 volt wires shall be sleeved in 1 1/2" class 200 PVC pipe.
- There shall be one 1/4 gpm bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one 1 gpm bubbler for each tree, 24" from the center of the tree on the uphill side.

IRRIGATION LEGEND

- (M) Water Meter - Rockwell Sealed Register Meter sized as shown on plans. 3/4" total. Rockwell Sealed Register water meter sized as shown on plans. Tap and installation by City of Alb. (See drawing 2353 City contract documents); cost and coordination are the responsibility of the Contractor. W/Customer Service Dept. Ph. 505-768-2800 (A)
- (C) Controller - Rain Bird ISC Independent Station Computer Controller. Controller shall be housed in a concrete vault #20MC-10uff as mfg. by Materials Inc., Current Electronics, Inc., Fresno, CA. Controller size as shown on plans and as noted in Controller / Valve Legend - Sheet 21.
- (X) Master Valve Assembly - See Detail (2) (2)
- Assembly includes and follows:
- Rain Bird EPA-CP 200 Brass Electric - 2"
 - Rain Bird Pressure Vacuum Breaker - PVB-200-R
 - King Automatic Drain
 - Hammond HV-507 Brass Gate Valve - 2"
- (R) Remote Control Valve - Rain Bird PE Series - See Detail (2)
- Size as shown on plans: (A) (2)
- (A) Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (A) (2)
- (M) Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Detail (2) (2)
- (D) Pressure Compensating Full Circle Bubbler - Rain Bird 1801 - 1/4 GPM - 1 per shrub, 12" from center of shrub on up hill side. See Detail (2) (2)
- (D) Pressure Compensating Full Circle Bubbler - Rain Bird 1804 - 1 GPM - 1 per tree, 24" from center of tree on up hill side. See Detail (2) (2)
- (D) 12" Pop-Up Spray Head - H - Rain Bird 1812 w/ B12H nozzle (psi = 20, radius = 10', gpm = .80, p/r = 1.54). See Detail (2) (2)
- (D) 12" Pop-Up Spray Head - Q - Rain Bird 1812 w/ B12Q nozzle (psi = 20, radius = 10', gpm = .40, p/r = .54). See Detail (2) (2)
- (D) Inverted Garden Valve - Champion I-40 at 18" below finish grade in Bass & Hayes 3/4 D valve box.
- (D) Schedule 40 PVC Main Line - 36" bury, size as shown on plans.
- (D) Schedule 40 PVC Lateral Line - 18" bury, size as shown on plans.
- (D) Class 200 PVC Sleeve - place under all paving.

C of A PWD Maps & Records

26 3772 1490

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENTTITLE: MENAUL BOULEVARD NE PH II-B
MEDIAN RECONSTRUCTION & LANDSCAPING
LANDSCAPING & IRRIGATION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rogel	12/8/89	Liquid Waste	R.W. Kane	12-7-89
A.C.E.-Design	"	"	Traffic	R.W. Kane	12-6-89
A.C.E.-Hydrology	"	"	Water	R.W. Kane	12-7-89
Parks & Recreation	"	"	"	"	"

DRAWING NO. 3772 MAP NO. H-15 SHEET 14 OF 21



SCALE: 1"=20'

IRRIGATION LEGEND

- Water Meter** - Rockwell Sealed Register Water sized as shown plan.
- 3 Total. Rockwell Sealed Register Water meter sized as shown plan.**
- Tap and Installation by City of Al (see drawing D-635) City contract documents; cost and coordination are the responsibility of the Contractor. W/Customer Service Dept. Ph. 908-748-2808 (A)**
- C Controller** - Rain Bird SPX Independent Station Computer Controller. Control panel shall be housed in a concrete vault MCMC Juffr. as sig. by Materials Inc.. Current Electrodeless, low voltage sensor shall be included. Controller size as shown plans and as noted in Controller / Valve Legend - Sheet #1.
- X Master Valve Assembly** - See Detail C₍₂₎, H₍₂₎
Assembly includes following:
- 1. Rain Bird KFA-CFQ 20 Brass Electric - 2"
 - 2. Rain Bird Pressure Vacuum Breaker - PVB-200-R
 - 3. King Automatic Air Release
 - 4. Hammond HY-657 Brass Gate Valve - 2"
- + Remote Control Valve** - Rain Bird FIVE Size See Detail S₍₂₎
Size as shown on plan:

FIVE	SIX
ONE	GPM
- Automatic Drain** - King Auto Drain - Locate as shown on plan
See Detail A₍₁₎
- Mainual Drain** - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve.
Details B₍₂₎, E₍₂₎
- Pressure Compensating Full Circle Shrubl** - Rain Bird 1401 - 1 GPM - 1 per shrub, 24" from center of shrub on up hill side.
See Detail A₍₁₎
- Pressure Compensating Full Circle Shrubl** - Rain Bird 140B - GPM - 1 per tree, 24" from center of tree on up hill side.
See Detail A₍₁₎
- D 12" Pop Up Spray Head** - R - Rain Bird 181Z w/ B12N nozzle (pst 20, radius = 10', gpm = .80, p/r = 1.54). See Detail I₍₂₎
- D 12" Pop Up Spray Head** - Q - Rain Bird 181Z w/ B12Q nozzle (pst 20, radius = 10', gpm = .80, p/r = .54). See Detail I₍₂₎
- I Inverted Garden Valve** - Champion L-4D at 18° below finish grade in Beds & Hayes 3x Male Valve.
-
- Schedule 40 PVC Main Line** - 36" bury, size as shown on plans.
-
- Schedule 40 PVC Lateral Line** - 18" bury, size as shown of plans.
-
- Class 200 PVC Sleeve** - place under all paving.
-
- E Electrical Pull Box** - For Irrigation See Detail SHT 9

C of A PWD Maps & Records										
1	2	3	4	5	6	7	8	9	10	11
2	6		3	7	7	2	1	5	9	0

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

**TITLE: MENAUL BOULEVARD NE. PH II-B
MEDIAN RECONSTRUCTION & LANDSCAPING
LANDSCAPING & IRRIGATION**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Rogel Green</i>	12/2/89	Liquid Waste	<i>K.W. Kane</i>	12-7-89
A.C.E.-Design	"	"	Traffic	<i>R. Osunk</i>	12-6-89
A.C.E.-Hydrology	<i>J. Williams</i>	12/5/89	Water	<i>K.W. Kane</i>	12-7-89
Parks & Recreation	<i>John Williams</i>	12-6-89			

DRAWING NO.	3772	MAP NO.	H-15, H-16	SHEET	15	OF	21
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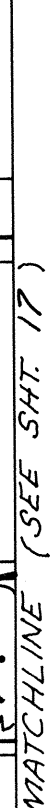
F.D.A. JOB NO. 931.31

RECORD DRAWING

Date: 8/29/90



LANDSCAPE ARCHITECT
& PLANNERS P.A. • A.S.L.
2127 MENAUL BOULEVARD
ALBUQUERQUE, NEW MEXICO
846-2211



RECORD DRAWING
Date: 8/29/90

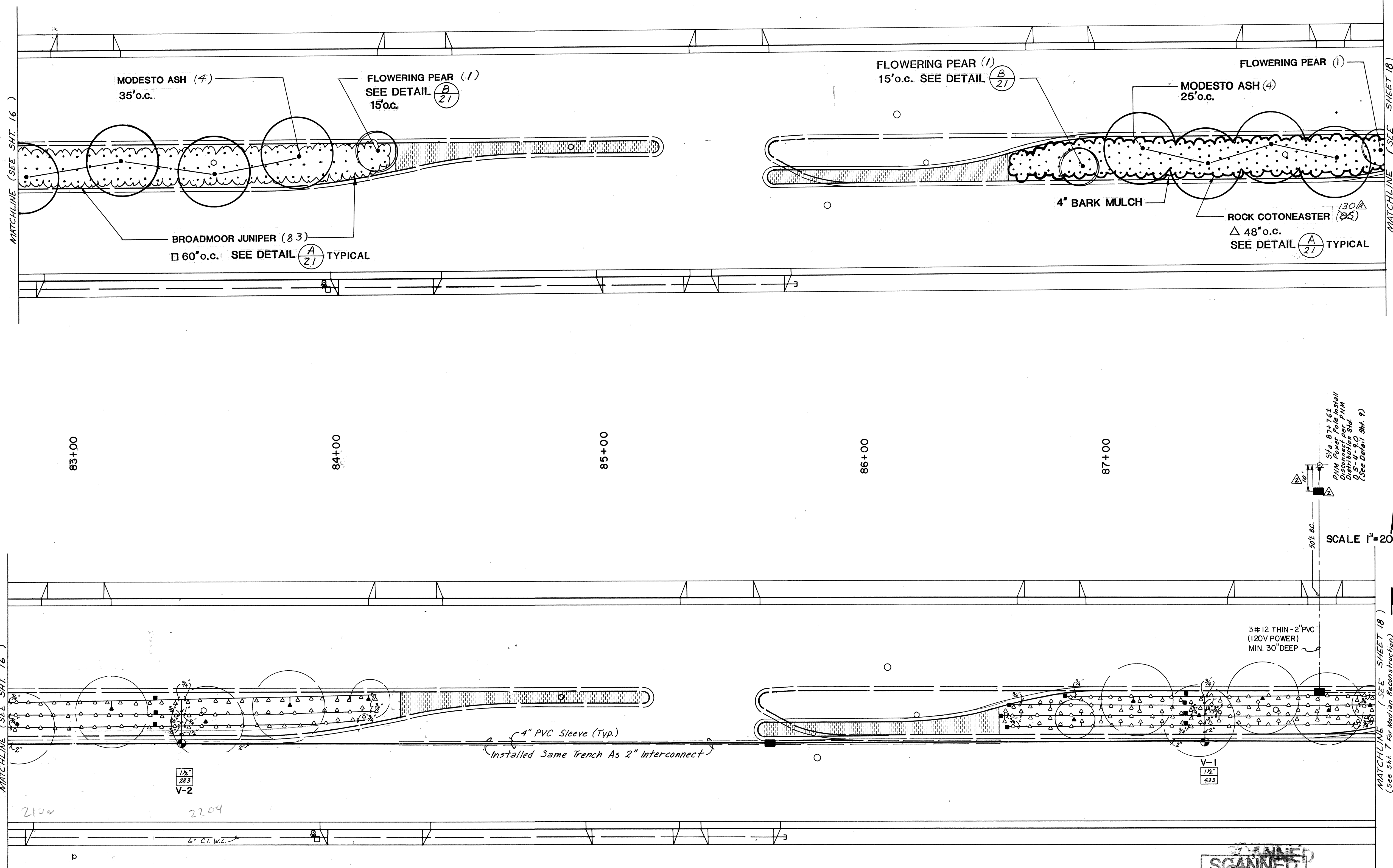


**WORLEY
& ASSOCIATES**

	2	3	4	5	6	7	8	9	10	11
2	6		3	7	7	2	1	6	9	0

F.D.A. JOB NO. 931.31

SCALE: 1"=20'



CONSTRUCTION NOTES

1. All median areas to be planted shall be excavated to a depth of 1 foot from top of curb excluding bench at curb. See typical median section sheet 21. Soil removed shall be disposed of in an approved landfill and shall not be reused in this or any other landscape project because of sterilization.
2. All medians where planting occurs shall have a 30 mil PE membrane installed continuously at the back of curb and at the edge of concrete. Membrane shall extend over soil bench and to the bottom of the excavated pit. Adhere membrane to concrete according to manufacturer's specifications and recommendations.
3. Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.
4. Adjustments in layout of landscape features as required to meet variations between the plan dimensions/graphics and existing site features shall be made in the field under the supervision of the Landscape Architect.
5. The Landscape Contractor shall visit the site and analyze existing conditions and scope of work prior to bid.
6. Access signs shall be supplied to all businesses by the Contractor. As directed by the Traffic Engineer, signs shall be incidental to the Contract.

PLANTING NOTES

1. Plants for annual color beds shall be installed by Owner and are not in this contract. Install irrigation in these areas as indicated.
2. Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1" diameter, debris, vegetation and trash (sample shall be approved by Landscape Architect), and 1 part ground bark mulch. Compact combined fill to Natural Density as determined by Engineer.
3. All planted areas of medians shall contain 4" deep shredded bark mulch. Sample to be approved by Landscape Architect.
4. Trees shall be 5 feet minimum from back of curb.
5. Numbers of plants are estimates only. Contractor is responsible for plants shown on plans. See Sheet 21 for dimensions from curb for plants.

IRRIGATION NOTES

1. At completion of the project, the Landscape Contractor shall coordinate the final controller program with Maintenance Division, Parks and Recreation Department, City of Albuquerque.
2. Water pressure on the site varies. Landscape Contractor shall verify pressure on the site for each system at top (pressure is assumed to be 65 PSI or greater). Pressure at each irrigation head shall equal minimum of 20 PSI.
3. Plan locations of meters, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each line on site in medians.
4. Each valve system shall have a manual drain installed at the low point of the main line and an air relief valve at the high point. See Detail (A/21).
5. All piping shall be covered under all pavement in 1" class 200 PVC pipe. 24 volt wires shall be sleeved in 1 1/2" class 200 PVC pipe.
6. There shall be one 1/4 gpm bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one 1 gpm bubbler for each tree, 24" from the center of the tree on the uphill side.

IRRIGATION LEGEND

- Ⓜ Water Meter - Rockwell Sealed Register Water meter sized as shown on plan. 3" total. Rockwell Sealed Register water meter sized as shown on plan. Top and installation by City of Alb. (See drawing 2363 City contract documents); cost and coordination are the responsibility of the Contractor. w/ Customer Service Dept. Ph. 505-768-2800.
- ⓐ Controller - Rain Bird 120 Independent Station Computer Controller. Controller shall be housed in a concrete vault 48" x 48" x 48" as mfg. by Materials Inc., Current Electronics, Inc., Fresno. Meter shall be included. Controller size as shown on plan and as noted in Controller / Valve Legend - Sheet 21.
- Ⓜ Master Valve Assembly - See Detail (A/21)
 1. Rain Bird BFA-CP 200 Brass Electric - 2"
 2. Rain Bird Pressure Vacuum Breaker - PVB-200-R
 3. King Automatic Drain
 4. Hammond 107-507 Brass Gate Valve - 2"
- Ⓜ Remote Control Valve - Rain Bird PE Series - See Detail (A/21)
Size as shown on plan. 1/2" Valve Size
- Ⓜ Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (A/21)
- Ⓜ Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Detail (A/21)
- Ⓜ Pressure Compensating Full Circle Bubbler - Rain Bird 1401 - 1/4 GPM - 1 per shrub, 12" from center of shrub on up hill side. See Detail (A/21)
- Ⓜ Pressure Compensating Full Circle Bubbler - Rain Bird 1404 - 1 GPM - 1 per tree, 24" from center of tree on up hill side. See Detail (A/21)
- Ⓜ 12" Pop-Up Spray Head - H - Rain Bird 1512 w/ B12H nozzle (gpm = 20, radius = 10', gpm = 20, p/r = 1.54). See Detail (A/21)
- Ⓜ 12" Pop-Up Spray Head - Q - Rain Bird 1512 w/ B12Q nozzle (gpm = 20, radius = 10', gpm = 20, p/r = .54). See Detail (A/21)
- Ⓜ Inverted Garden Valve - Champion L-40 at 15" below finish grade in Base & Hayes 34 D valve box.
2 in Single Box, locate in line immediately after Master Valve.
- Ⓜ Schedule 40 PVC Main Line - 36" bury, size as shown on plan.
- Ⓜ Schedule 40 PVC Lateral Line - 18" bury, size as shown on plan.
- Ⓜ Class 200 PVC Sleeve - place under all paving.
- Ⓜ Electrical Pull Box - For Irrigation. See Detail SHT. 9

C of A PWD Maps & Records

26 3772 1790

SCANNED BY

RECORD DRAWING

Date: 8/29/90

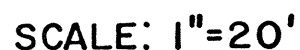
NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

INSTALL ONE 1/4 GPM BUBBLER PER SHRUB & ONE 1 GPM BUBBLER PER TREE



LANDSCAPE ARCHITECTS
PLANNERS # A.L.A. # A.L.A.
1000 MENAUL BOULEVARD NE.
ALBUQUERQUE, NM 87102
505-264-4111

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD NE. PH II-E MEDIAN RECONSTRUCTION & LANDSCAPING LANDSCAPING & IRRIGATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Roger L. Khan	12/8/89	Liquid Waste	A.W. Kane	12-7-89
A.C.E.-Design	"	"	Traffic	A.W. Kane	12-6-89
A.C.E.-Hydrology	John	12/7/89	Water	A.W. Kane	12-7-89
Parks & Recreation	John	12-6-89			
DRAWING NO.	3772	MAP NO.	H-16	SHEET	17 OF 21
DESIGNED BY: TUM/ELO DRAWN BY: TUM/ELO CHECKED BY:					



SCALE: 1"=20'

3-SCANNED
BY

RECORD DRAWING

Date: 8/29/90



LANDSCAPE ARCHITECT
& PLANNERS P/A • A.S.L.A.
2127 MENAUL BOULEVARD N.
ALBUQUERQUE, NEW MEXICO 87104
505-884-4111

- All median areas to be planted shall be excavated to a depth of 3 feet from top of curb excluding bench at curb. All excavated areas shall be backfilled with selected material disposed of in an approved landfill and shall not be reused for any other landscape project because of potential sterilization.
- All median areas where planting occurs shall have a 30 mil PE membrane installed continuously at the back of curb and along the curb. Membrane shall extend over curb and back and to the bottom of the excavated pit. Adhered membrane shall be installed in accordance to manufacturer's specifications and recommendations.
- Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.
- Adjustments in layout of landscape features as required to meet variations between the plan dimensions/graphics and actual field conditions shall be made at the field under the supervision of the Landscape Architect.
- The Landscape Contractor shall visit the site and analyze existing conditions prior to construction.
- Access signs shall be supplied to all businesses by the Contractor. As directed by the Traffic Engineer, signs shall be incidental to the Contract.
- PLANTING NOTES:**
- Plants for annual under beds shall be installed by Owner and are not in this contract. Install irrigation in these areas as indicated.
 - Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1/2" diameter, debris, vegetation and trash (grass, weeds, etc.) and 1 part topsoil. Backfill to 18" above ground back match. Compact combined fill to Natural Density as specified in the Plans.
 - All planted areas of medians shall contain 8" deep shredded bark mulch. Sample to be approved by Landscape Architect.
 - Trees shall be 5 feet minimum from back of curb.
 - Numbers of plants are estimates only. Contractor is responsible for plants shown on plans. See Sheet 21 for dimensions from curb for plants.
- IRRIGATION NOTES:**
- At completion of the project, the Landscape Contractor shall coordinate the final controller program with Maintenance Division, Parks and Recreation and the City of Albuquerque.
- Water pressure on the site varies. Landscape Contractor shall determine the water pressure at the site for each system at top (pressure is assumed to be 65 PSI or greater). Pressure at each irrigation head shall equal a range of 20 PSI.
- Plant locations of meters, valves, solenoids, master valves, irrigation lines, and sleeves are schematic. Locate each item on site in medians.
- Each well served system shall have a manual drain installed at the back of the main line and an air relief valve at its high point. See Detail 100-1.
- All piping shall be sleeve under all pavement in 8" class 200 PVC pipe. 24" well valves shall be sleeve in 1 1/2" class 200 PVC pipe.
- There shall be one 1/4" gas bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one 1/4" gas bubbler for each tree, 24" from the center of the tree.

IRRIGATION LEGEND

- Water Meter - Rockwell Sealed Register Meter sized as shown on plan. 3" total. Rockwell Sealed Register water meter sized as shown on plan. Tap and Installation by City of Alb. (See drawing 236) (City contract documents) cost and coordination are the responsibility of the Contractor w/ Customer Service Dept. Ph. 505-265-2800 - 2800
- C** Controller - Rain Bird SR-3 Independent Station Computer Controller. Controller shall be housed in a concrete vault PUDM-Controller. Controller shall be Rain Bird. Central Electronics, Inc., freeze sensor shall be included. Controller size as shown on plans and as noted to Controller / Valve legend - Sheet 21.
- X** Manual Valve Assembly - See Detail (2) (2)
Assembly includes following:
1. Rain Bird RPW-200 Brass Electric - 2"
 2. Rain Bird Pressure Vacuum Breaker - PVB-P200-2"
 3. King Automatic Drain
 4. Rammed RV-697 Brass Electric Valve - 2"
- C** Remote Control Valve - Rain Bird RF Series - See Detail (2) (2)
Size as shown on plan: 1" Valve Size
1 1/2"
- Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (2) (2)
- Manual Drain - Locate in field on mainline after each master valve (low points) and in lateral line after electric valve. See Detail (2) (2)
- ▲** Pressure Compensating Full Circle Bubble - Rain Bird 1404 - 1/4" GPR - 1 per spur, 12" from center of spur on up hill side. See Detail (2) (2)
- ▲** Pressure Compensating Full Circle Bubble - Rain Bird 1404 - 1" GPR - 1 per spur, 24" from center of tree on up hill side. See Detail (2) (2)
- 12"** Pop-Up Spray Head - H - Rain Bird 1812 w/ B12H nozzle (pat = 20, radius = 10", gpr = 20, pfr = 1.5). See Detail (2) (2)
- 12"** Pop-Up Spray Head - D - Rain Bird 1812 w/ B12D nozzle (pat = 20, radius = 10", gpr = 20, pfr = .54). See Detail (2) (2)
- Inverted Garden Valve** - Champion 1-40 at 18" below finish grade in Box & 3/4" D valve box.
- 2" Single Box** (locate in line immediately after Master Valve)
- Schedule 40 PVC Lateral Line** - 36"bury, size as shown on plans.
- Schedule 40 PVC Lateral Line** - 18"bury, size as shown on plans.
- Class 200 PVC Sleeve** - place under all paving.

C of A PWD Maps & Records

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

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

**TITLE: MENAUL BOULEVARD NE. PH II-B
MEDIAN RECONSTRUCTION & LANDSCAPING
LANDSCAPING & IRRIGATION**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Rogel</i>	<i>12-18-8</i>	Liquid Waste	<i>R.W. Kame</i>	<i>12-7-8</i>
A.C.E. - Design			Traffic	<i>R. Ponce</i>	<i>12-18-8</i>
A.C.E. - Hydrology	<i>L. Muri</i>	<i>12-17-8</i>	Water	<i>R.W. Kame</i>	<i>12-7-8</i>
Parks & Recreation	<i>12-16</i>				

DRAWING NO.

3772

MAP NO.

I - 16

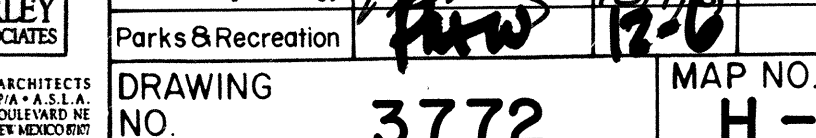
SHEET

18

OF

21

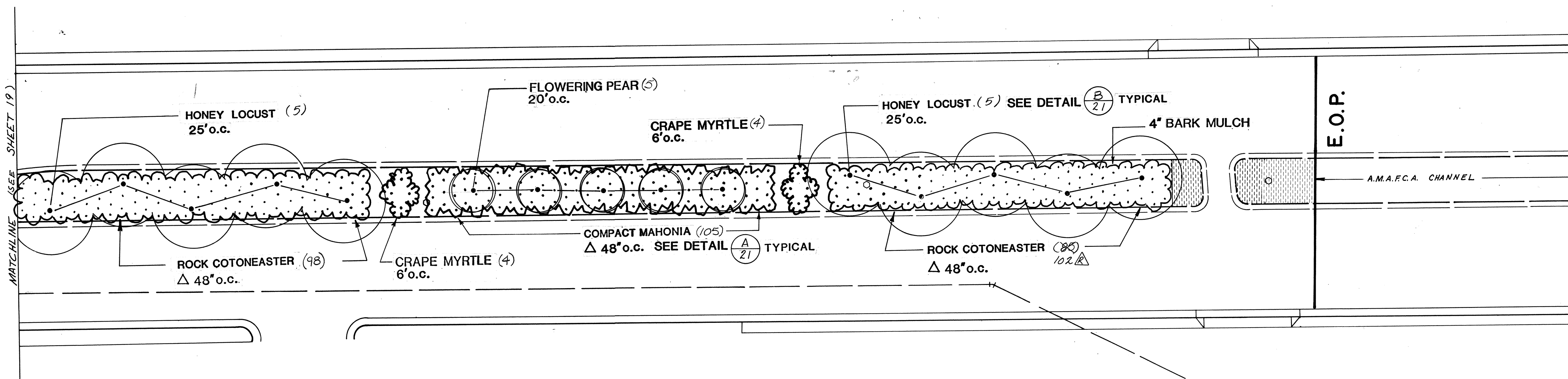
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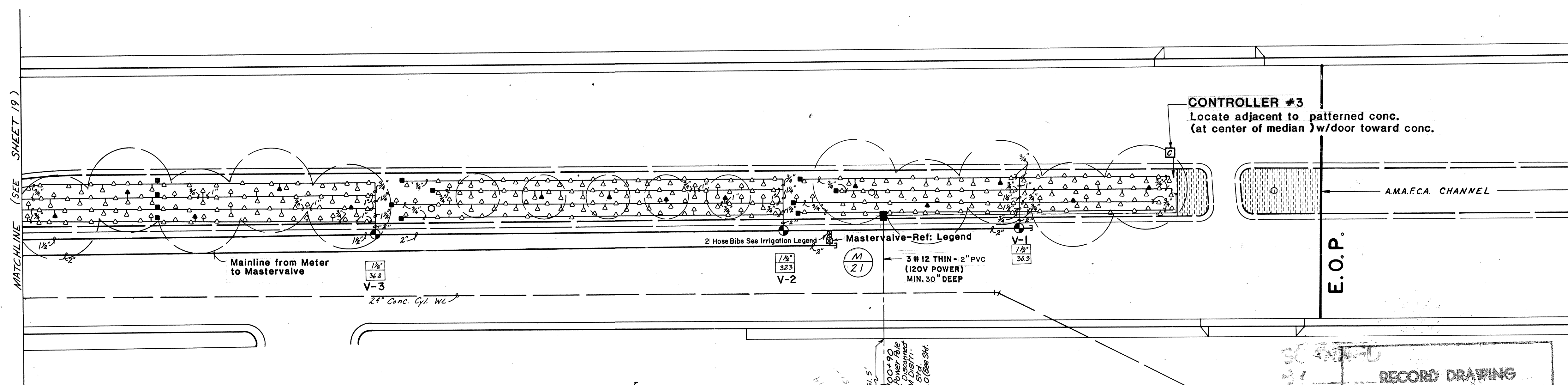
INSTALL ONE 1/4 GPM BUBBLER PER SHRUB &
ONE 1 GPM BUBBLER PER TREE.

LANDSCAPE ARCHITECT
& PLANNERS P/A • A.S.L.
2127 MENAUL BOULEVARD
ALBUQUERQUE, NEW MEXICO

NO.	3772	H-16	19	21
F.D.A. JOB NO. 931.31				



SCALE: 1"=20'



NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

INSTALL ONE 1/4 GPM BUBBLER PER SHRUB &
ONE 1 GPM BUBBLER PER TREE

CONSTRUCTION NOTES

1. All median areas to be planted shall be excavated to a depth of 12" below the curb excluding bench at curb. Dispose of all excess soil in accordance with the City of San Jose's median section Sheet 21. Soil removed shall be disposed of in an approved landfill and not be used for any other purpose. No other landscape project because of sterilization.
2. All medians where planting occurs shall have a 30 mil PE membrane installed continuous along the back of curb and PE membrane shall extend over curb and back of curb and PE membrane to the bottom of the excavated pit. Adhere to all other construction and landscape to manufacturer's specifications and recommendations.
3. Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.
4. Adjustments in layout of landscape features as required to meet variations between the plan dimensions/graphics and existing site features shall be made in the field under the supervision of the Landscape Architect.
5. The Landscape Contractor shall visit the site and analyze existing conditions and scope of work prior to bid.
6. Access signs shall be supplied to all businesses by the Contractor. As a minimum, all traffic engineering signs shall be incidental to the Contract.


PLANTING NOTES

1. Plants for annual color beds shall be installed by Owner and are not included in this contract. Install irrigation in these areas as indicated.
2. Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1" diameter, debris, vegetation and trash (as determined by Engineer) approved by Landscape Architect, and 1 part ground bark mulch. Compact finished area to Natural Density as determined by Engineer.
3. All planted areas of medians shall contain 8" deep shredded bark mulch. Sample to be approved by Landscape Architect.
4. Trees shall be 5 feet minimum from back of curb.
5. Numbers of plants are estimates only. Contractor is responsible for plants shown on plans. See Sheet 21 for dimensions from curb for plants.

11. At completion of the project, the Landscape Contractor shall coordinate the final controller program with Maintenance Division, Parks and Recreation and the City of Albuquerque.

12. Water pressure on the site varies. Landscape Contractor shall install the pressure on the site for each system at that pressure (pressure is assumed to be 65 PSI or greater). Pressure at each irrigation head shall equal between 40-20 PSI.

13. Plant locations of exterior, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each item on site in nodals.

14. Each valved system shall have a manual drain installed at the low point of the main line and an air relief valve at the high point. See Detail  100.

15. All piping shall be sleeved under all pavement in 4" class 200 PVC pipe. 24 volt wires shall be sleeved in 1 1/2" class 200 PVC pipe.

16. There shall be one 1/8 gpm bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one bubbler for each tree, 24" from the center of the tree on the uphill side.

IRRIGATION LEGEND

- M** Water Meter - Rockwell Sealed Register Meter sized as shown on plans. 3' total. Rockwell Sealed Register water meter sized as shown on plan. Tap and Installation by City of Allamogosa. Drawing S253 City Controller documents; size and coordination are the responsibility of the Contractor./Customer Service Dept. Ph. 805-765-2900 (S)
- C** **Controller** Rain Bird ISC Independent Station Computer Controller - Controller shall be housed in a concrete vault #M3C-Buffr as refg. by Materials Inc.. Current Electronics, INC., Rain sensor shall be installed at least 10' from building and on plants and as noted in Controller - W/L Legend - Sheet 21.
- X** **Master Valve Assembly** - See Detail (S) (H)
Assembly includes and follows:
1. Rain Bird EFA-CP 200 Brass Electric - 2"
 2. Rain Bird Pressure Vacuum Breaker - PVP-200-R
 3. King Automatic Drain
 4. Hammond HX-867 Brass Gate Valve - 2"
- B** **Remote Control Valve** - Rain Bird PE Series - See Detail (S) (H)
Size as shown on plan: $\frac{1}{2}$ Valve Size
 $\frac{3}{4}$ GWS
- H** **Automatic Drain** - King Auto Drain - Locate as shown on plans.
See Detail (H) (S)
- S** **Manual Drain** - Locate in field on mainline after each master valve (tee point) and in lateral line after electric valve. See Details (E) (H) (S)
- A** **Pressure Compensating Full Circle Rubber** - Rain Bird 1801 - 1/4 GWS - 1" p.r.c., 12" from center of shrub on up hill side.
See Detail (A) (S)
- A** **Pressure Compensating Full Circle Rubber** - Rain Bird 1801 - 1 GWS - 1" p.r.c., 24" from center of tree on up hill side.
See Detail (A) (S)
- D** **12" Pop-Up Spray Head** = **H** - Rain Bird 1812 w/ B12H nozzle (psi = 20, radius = 10', gpm = .80, p/r = 1.54). See Detail (D) (S)
- D** **12" Pop-Up Spray Head** = **G** - Rain Bird 1812 w/ B12G nozzle (psi = 20, radius = 10', gpm = .80, p/r = 1.54). See Detail (D) (S)
- S** **Inverted Garden Valve** - Champion I-40 at 18" below finish grade in Basz A Hayes 38 D Valve box.
2 in a single box, locate in line immediately after Master Valve.
- Schedule 40 PVC Main Line** - 36" bury, size as shown on plans.
- Schedule 40 PVC Lateral Line** - 18" bury, size as shown on plans.
- = Class 200 PVC Sleeve** - place under all paving.
- E** **Electrical Pullbox** For Irrigation See Detail Sht. 9

C of A PWD Maps & Records

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

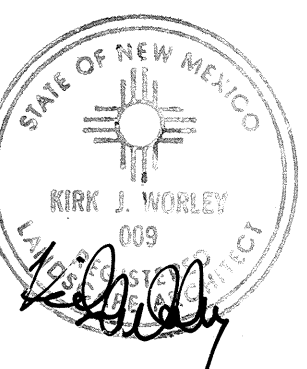
TITLE: **MENAU BOULEVARD NE. PH II-B**
MEDIAN RECONSTRUCTION & LANDSCAPING
LANDSCAPING & IRRIGATION

LANDSCAPING & IRRIGATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Robert Shaw</i>	12/8/89	Liquid Waste	<i>R.W. Kane</i>	12-7-89
A.C.E.-Design	"	"	Traffic	<i>L. Dawick</i>	12-6-89
A.C.E.-Hydrology	<i>P. McIn</i>	12/7/89	Water	<i>R.W. Kane</i>	12-7-89

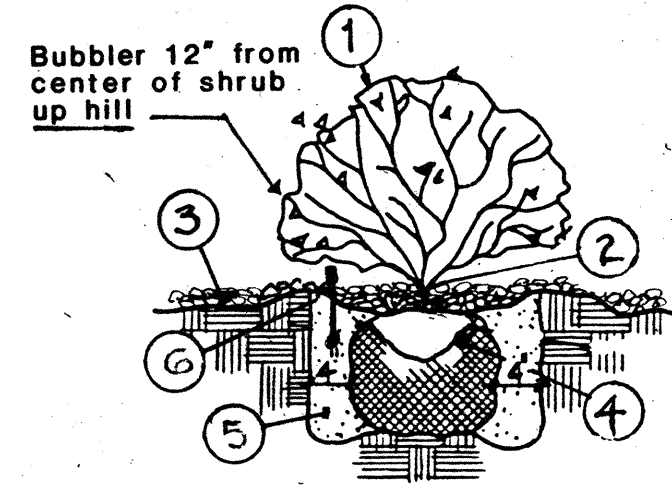
DRAWING NO.	3772	MAP NO. H-16	SHEET 20	OF 21
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F.D.A. JOB NO. 931.31

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE			
				CONTRACTOR	<i>Universal</i>
				STARTED BY	<i>Fred Draney</i>
				INSPECTOR'S	DATE <i>90</i>
				FIELD CHANGE BY	<i>C.S.</i>
				FIELD	DATE <i>90</i>
				VERIFICATION BY	<i>F. Draney</i>
				DATE	DATE <i>90</i>
				CORRECTIONS	
				CORRECTED BY	<i>F. Draney</i>
				DATE	DATE <i>90</i>
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO	

[illegible]

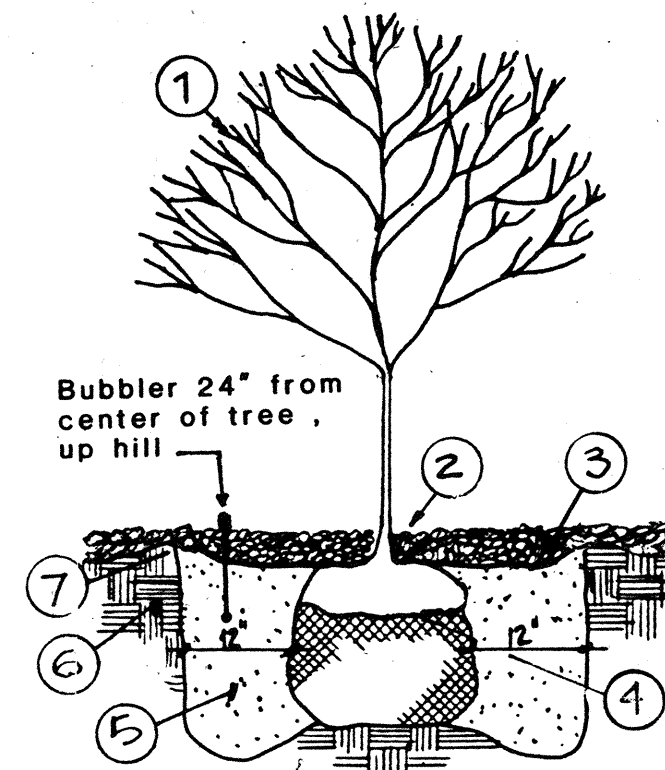
DRAWN BY _____
CHECKED BY _____



- 1 SHRUB LOCATION & SPECIES AS PER PLAN
- 2 PLANT AT SAME DEPTH AS IN NURSERY
- 3 4" DEEP BARK MULCH THROUGHOUT, PLANTER-EXCEPT IN EARTH SAUCE. MULCH=2"
- 4 REMOVE TOP/OF BURLAP FROM ROOT BALL
- 5 BACKFILL AND SOIL CONDITION-REF. SPECS.
- 6 EARTH SAUCE - 2" DEEP BARK MULCH WITHIN SAUCE.
- 7

A/21 SHRUB PLANTING

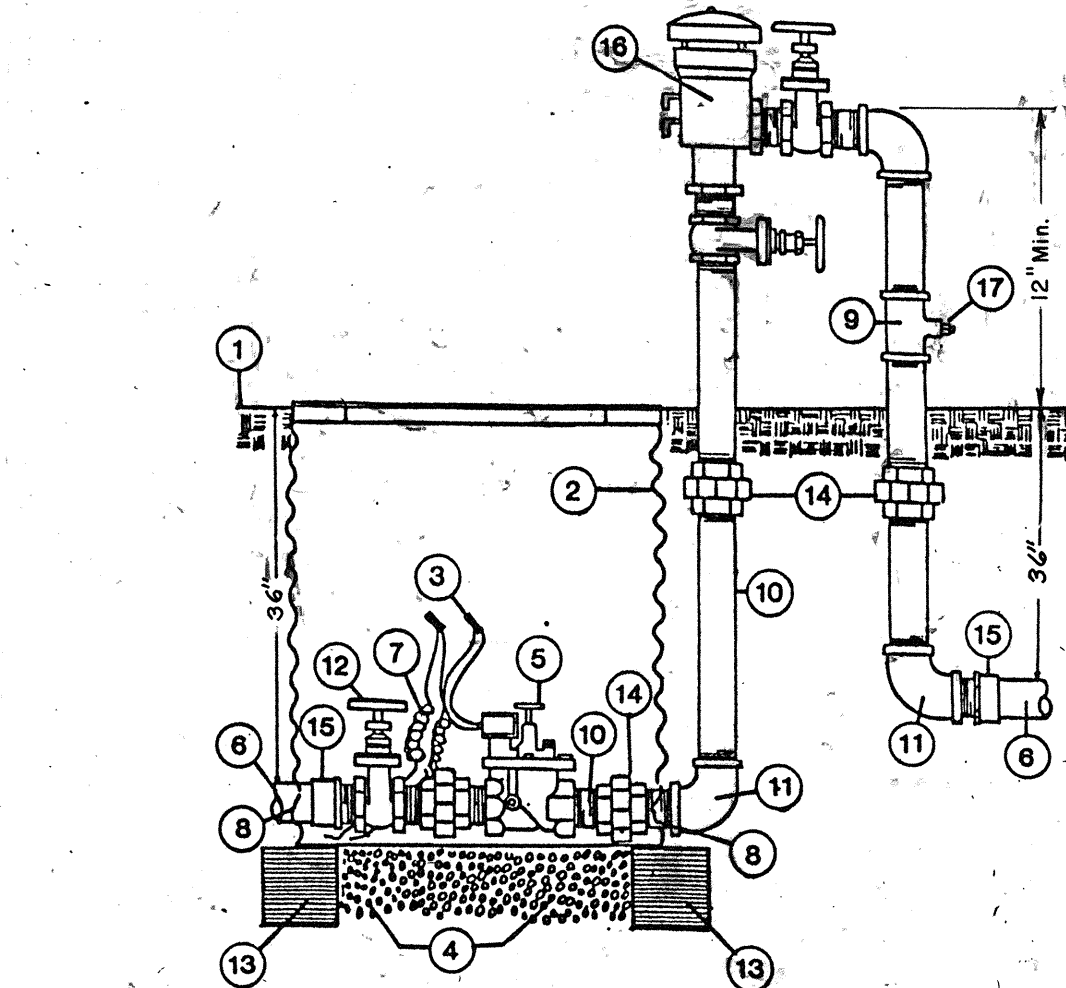
N.T.S.



- 1 TREE LOCATION & SPECIES AS PER PLAN.
- 2 PLANT w/2" OF ROOT BALL ABOVE FLOOR OF BASIN w/2" OF BARK COVERING TOP OF BALL.
- 3 4" DEEP BARK MULCH THROUGHOUT PLANTER
- 4 REMOVE BASKET OR TOP / OF BURLAP FROM ROOT BALL
- 5 BACKFILL & SOIL AMENDMENT - REFERENCE SPECS.
- 6 85% COMPACTED FILL - REF. CONST. & PLANTING NOTES
- 7 EARTH SAUCE

B/21 TREE PLANTING

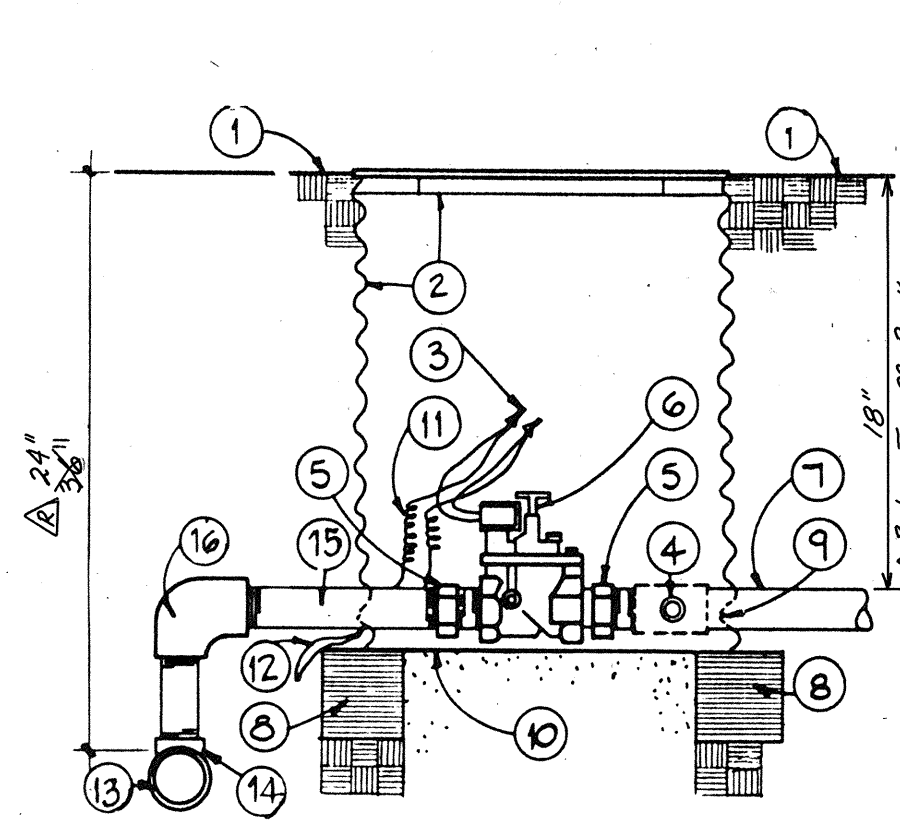
N.T.S.



- 1 TOP OF BARK
- 2 BASS & HAYS VALVE BOX 3/4" x 55 D.A.
- 3 NO. 3576 SCOTCH LOK CONNECTORS
- 4 2 CU. FT. 1" DIAM. WASHED ROCK
- 5 BRASS ELECTRIC CONTROL VALVE
- 6 PVC MAINLINE
- 7 3/8" WIRE EXPANSION COIL
- 8 CUT OUT FOR MAIN LINE
- 9 GALV. TEE
- 10 GALV. NIPPLE (TYP)
- 11 GALV. ELL
- 12 BRASS GATE VALVE
- 13 8"x8"x16" SOLID CMU
- 14 UNION w/PLASTIC WRAP
- 15 PVC MALE ADAPTER
- 16 PRESSURE VACUUM BREAKER
- 17 AUTOMATIC DRAIN

C/21 MASTER VALVE ASSEMBLY

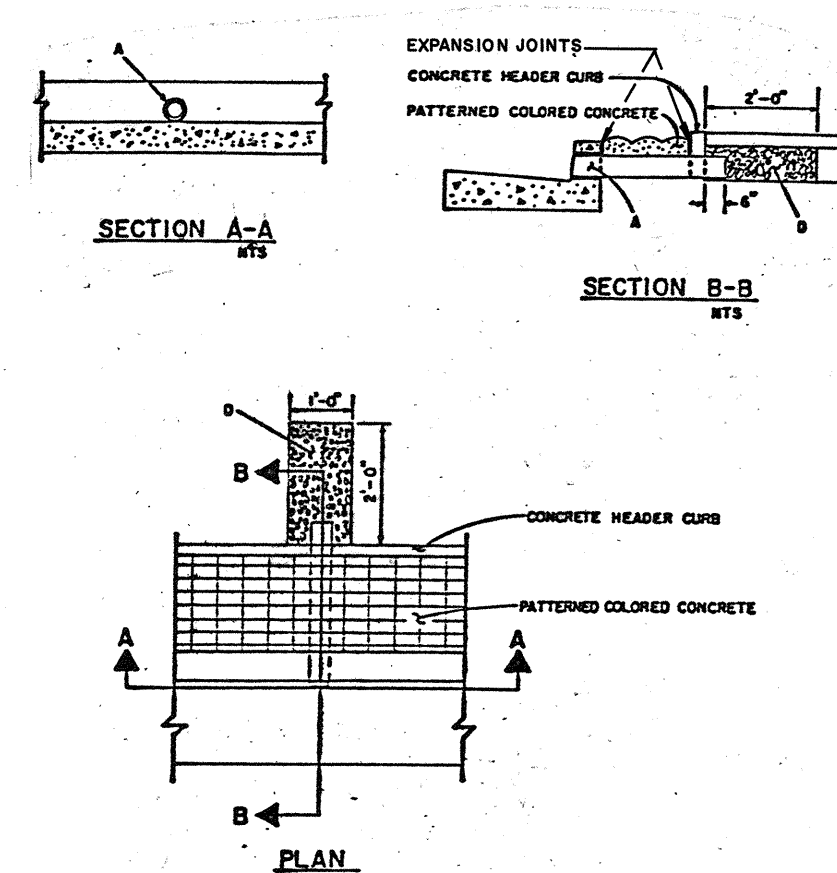
N.T.S.



- 1 TOP OF BARK
- 2 BASS & HAYS VALVE BOX 3/4"
- 3 NO. 3576 SCOTCH LOK CONNECTORS
- 4 MANUAL DRAIN - SEE DETAIL
- 5 GALV. UNION
- 6 AUTOMATIC VALVE - SEE LEGEND
- 7 LATERAL PIPE
- 8 8"x8"x16" SOLID CMU
- 9 CUT OUT FOR LATERAL PIPE
- 10 2CU. FT. 1" DIAM. WASHED ROCK
- 11 3/8" WIRE EXPANSION COIL
- 12 WIRE BUNDLE
- 13 MAINLINE
- 14 MAINLINE TEE
- 15 GALV. NIPPLE
- 16 MAINLINE ELL

D/21 AUTOMATIC VALVE

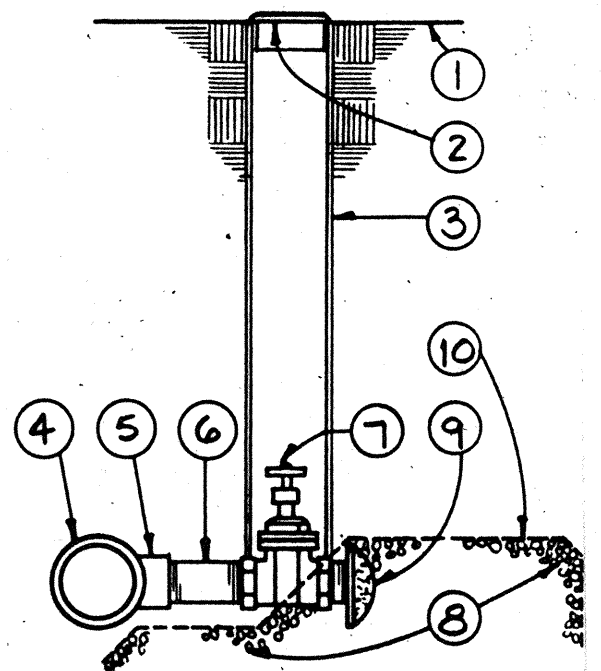
N.T.S.



- 1 DRAIN SCHEDULE 40 PVC, 21" O.D. SIZE DRILL CURB OPENING AT 21" I.D.
- 2 DISTANCE FROM CENTERLINE OF DRAIN TO NEAREST JOINT VARIABLE WITH 16" MINIMUM
- 3 SLOPE 1" PER FOOT, MINIMUM
- 4 ONE-INCH GRAVEL PACK FILTER WITH WIRE SCREEN
- 5 DRAINS TO BE PLACED AT EACH PLANTER AT LOWEST POINT OF ELEVATION. LOCATION TO BE DETERMINED IN FIELD BY SURVEY.

E/21 CURB DRAIN DETAIL

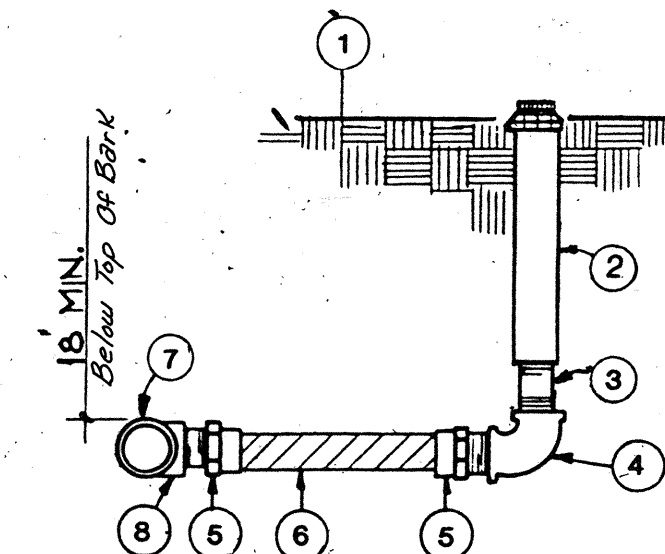
N.T.S.



- 1 TOP OF BARK
- 2 2" LOCKING VALVE HANDLE
- 3 2" CLASS 160 PVC
- 4 MAINLINE
- 5 TEE
- 6 SCH. 80 PVC NIPPLE
- 7 BRASS GATE VALVE w/ CROSS HANDLE
- 8 2 CU. FT. 1 1/2" WASHED ROCK
- 9 KING AUTOMATIC DRAIN
- 10 TERRA BOND 1115 FILTER FABRIC

F/21 MANUAL DRAIN

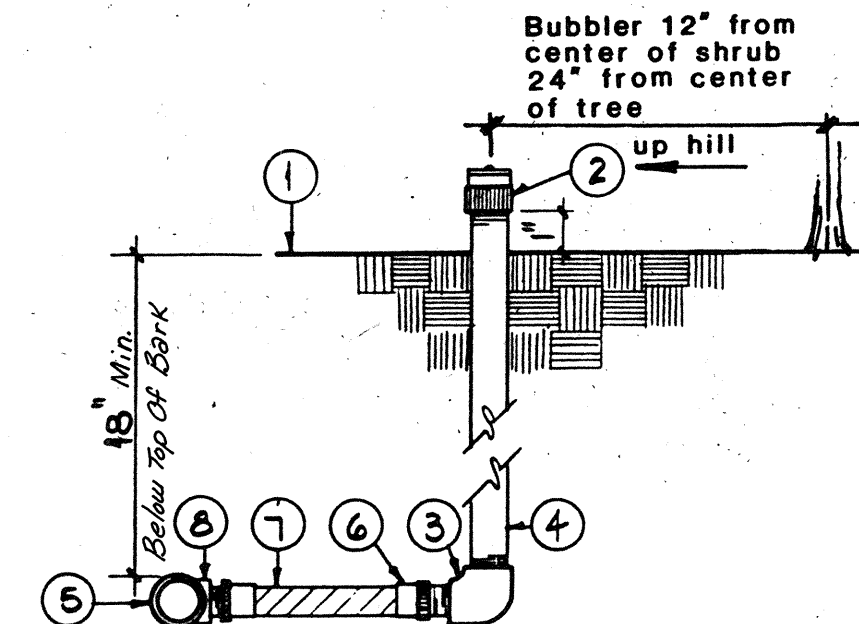
N.T.S.



- 1 TOP OF BARK
- 2 SPRINKLER HEAD
- 3 GALV. CLOSE NIPPLE
- 4 GALV. ELL
- 5 PVC MIP ADAPTER
- 6 SCH. 40 PVC NIPPLE (12") Or Sch. 80 PVC Nipple
- 7 LATERAL PIPE
- 8 PVC SXSXT TEE

G/21 POP-UP SPRINKLER

N.T.S.

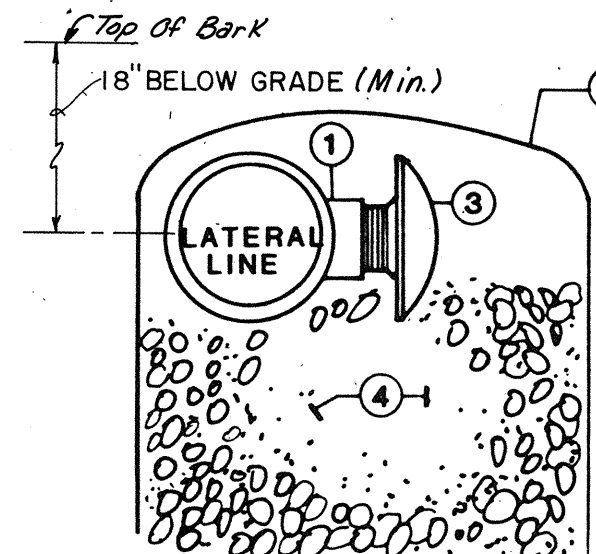


- 1 TOP OF BARK
- 2 FLOOD BUBBLER 1" ABOVE TOP OF MULCH
- 3 SCH. 40 PVC ELL
- 4 SCH. 80 PVC RISER
- 5 PVC LATERAL PIPING
- 6 PVC MIP ADAPTER
- 7 SCH. 40 PVC NIPPLE (12") Or Sch. 80 PVC Nipple
- 8 PVC SXSXT TEE

NOTE: LOCATE BUBBLER 12" FROM CENTER OF SHRUB AND 24" FROM CENTER OF TREE AND ON THE UP-HILL SIDE OF THE TREE OR SHRUB

H/21 BUBBLER

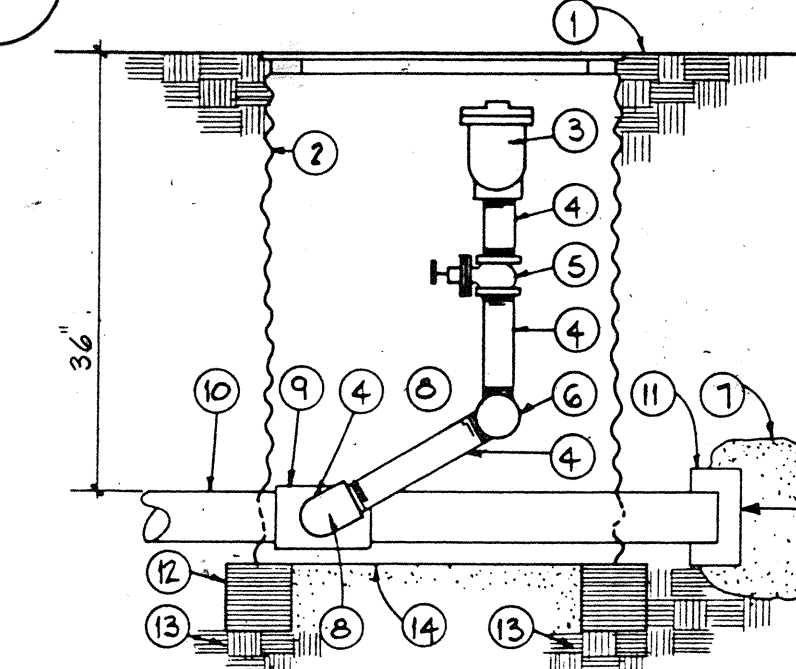
N.T.S.



- 1 PVC TEE SXSXT
- 2 TERRA BOND 1115 FILTER FABRIC TOP & SIDES
- 3 KING AUTOMATIC DRAIN
- 4 2 CU. FT. 1 1/2" DIAM. WASHED GRAVEL

I/21 AUTOMATIC DRAIN

N.T.S.



- 1 TOP OF BARK
- 2 BASS & HAYS 34 d
- 3 AIR RELIEF VALVE
- 4 GALV. NIPPLE
- 5 GATE VALVE
- 6 GALV. ST. ELL
- 7 THRUST BLOCK
- 8 GALV. 90 ELL
- 9 EPOXY COATED STEEL gxxgrip TEE
- 10 MAINLINE
- 11 END CAP
- 12 8"x8"x16 SOLID CMU
- 13 95% COMPACTED SUBGRADE
- 14 2 CU.FT. 1 1/2" DIAM. WASHED ROCK

J/21 AIR RELIEF VALVE

N.T.S.

CONTROLLER/VALVE LEGEND

CONTROLLER	MODEL	VALVES	SIZE	GPH
# 1	ISC8	V-1	1 1/2"	29.0
		V-2	1"	21.8
		V-3	1"	11.5
		V-4	1 1/2"	32.5
		V-5	1"	12.8
		V-6	1 1/2"	41.5
# 2	ISC8	V-1	1 1/2"	43.3
		V-2	1 1/2"	28.3
		V-3	1"	12.0
		V-4	1 1/2"	31.3
		V-5	1"	28.5
		V-6	1 1/2"	45.9
# 3	ISC4	V-1	1 1/2"	30.3
		V-2	1 1/2"	32.3
		V-3	1"	36.8
		V-4	1"	14.3

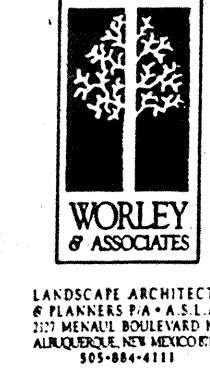
NOTE: Locations for electric service to each controller is shown on plans.

SCANNED BY

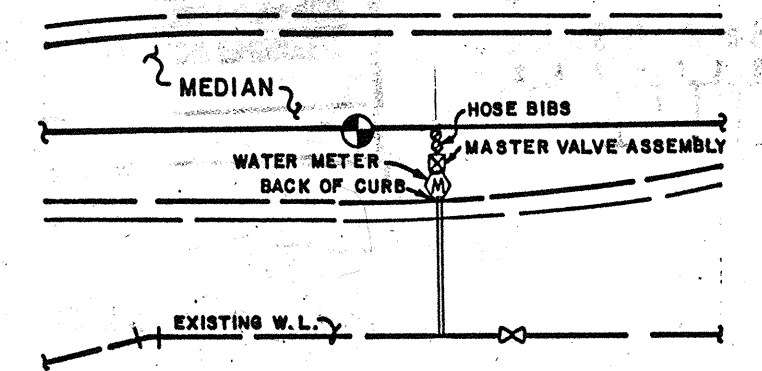
RECORD DRAWING

Date 8/29/90

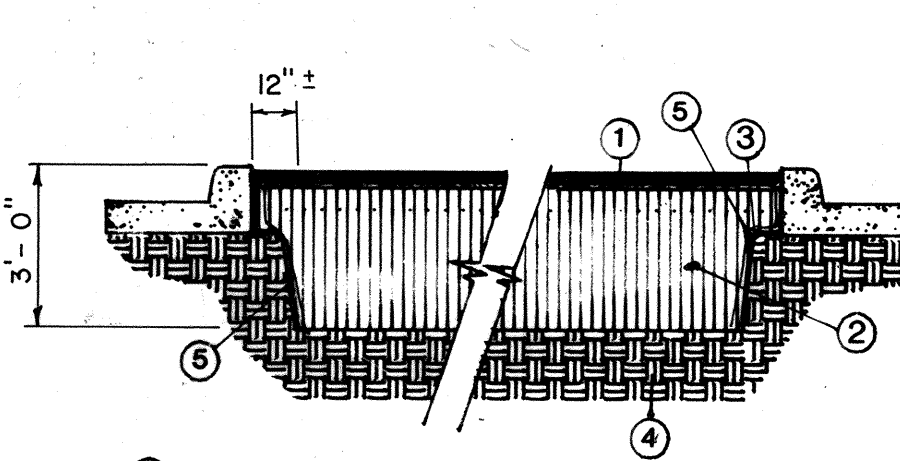
SCANNED BY



C of A PWD Maps & Records										
1	2	3	4	5	6	7	8	9	10	11
2	6	3	7	7	2	2	1	9	0	



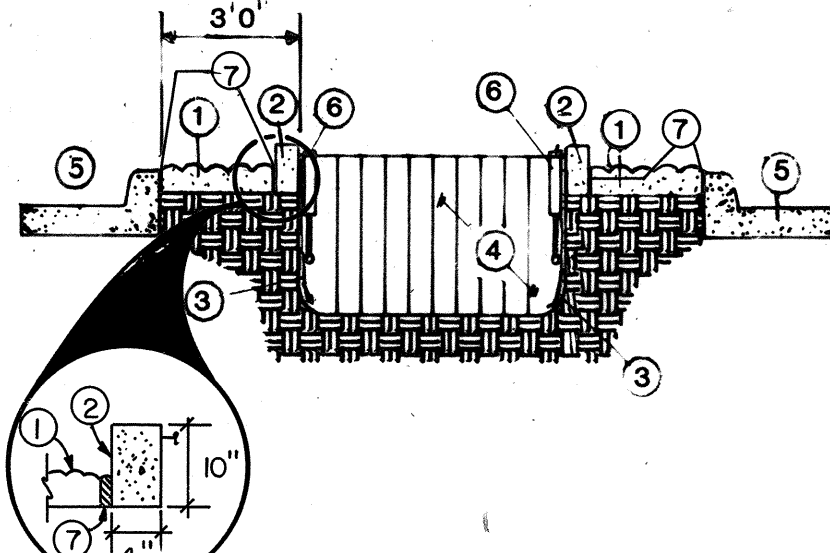
K/21 WATER METER & MASTER VALVE ASSEM. LOCATION



- 1 4" BARK MULCH
- 2 FILL: 3 PARTS SANDY LOAM / 1 PART HUMUS (GROUND BARK MULCH)
- 3 UNDISTURBED SOIL BENCH - CLOSE TO 85% AS SOIL CONDITIONS WILL ALLOW
- 4 UNDISTURBED SOIL
- 5 30MIL.PVC OR INDUSTRIAL QUALITY PE MEMBRANE 31" DEPTH CONTINUOUS - ADHERE TO CURB AND CONC. EDGE. ADHESIVE TO BE APPROVED BY ENGINEER.

L/21 TYPICAL MEDIAN SECTION

N.T.S.



- 1 PATTERNED, COLORED CONCRETE
- 2 6"x10" CONCRETE HEADER *
- 3 THE SAME AS NOTE 5 ON TYPICAL MEDIAN SECTION.
- 4 FILL -REF. NOTES - COMPACT TO 85%
- 5 MEDIAN CURB AND GUTTER
- 6 POP-UP SPRINKLERS - REF. IRRIGATION PLANS
- 7 EXPANSION JOINT

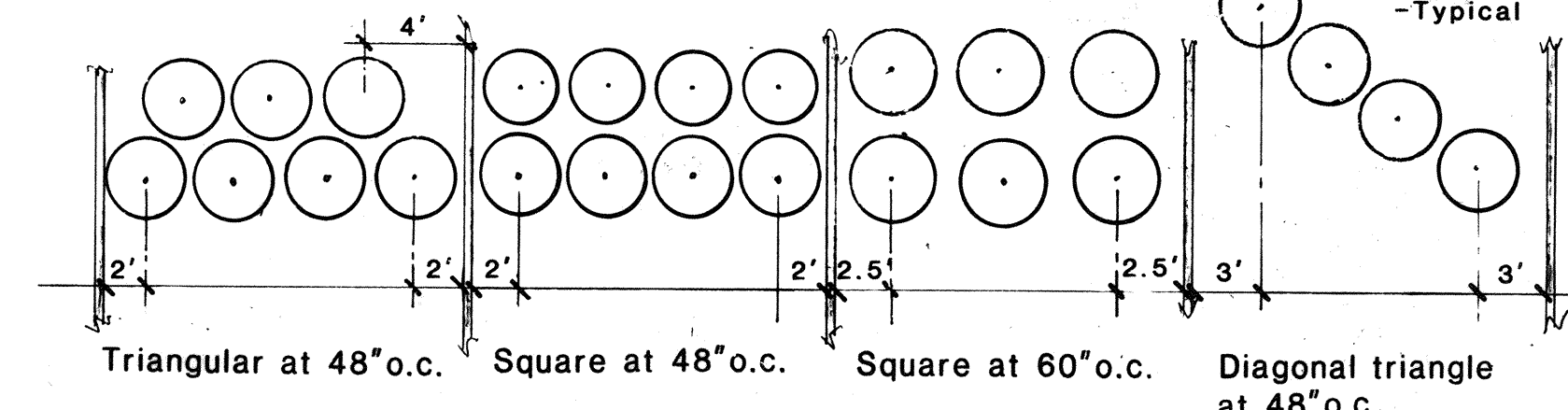
M/21 TYPICAL PLANTER SECTION

* MAXIMUM SPACING BETWEEN JOINTS, 10' N.T.S.

PLANT LIST

QUANTITY	BOTANICAL NAME	COMMON NAME	CAL.	CONTAINER	MIN. SIZE
9	Fraxinus pennsylvanica 'Marshall'	Marshall Seedless Ash	2"	24" box	9'H x 6'W
17	Fraxinus velutina 'Modesto'	Modesto Ash	2"	24" box	10'H x 5'W
19	Gleditsia triacanthos inermis 'Shademaster'	Shademaster Honey Locust	2"	24" box	10'H x 5'W
33	Pyrus calleryana 'Bradford'	Flowering Pear	1 1/2"	20" box	8'H x 4'W
110	Cotoneaster glaucoophylla	Grey Cotoneaster		5 gal.	8" o.c.
421	Cotoneaster horizontalis	Rock Cotoneaster		5 gal.	8" o.c.
18	Lagerstromia sp.	Crape Myrtle 'Watermelon Red'	Δ	5 1/2 gal.	10' o.c.
18	Juniperus chinensis 'Keteleer'	Keteleer Juniper		15 gal.	10' o.c.
474	Juniperus sabinia 'Broadmoor'	Broadmoor Juniper		5 gal.	60" o.c.
254	Juniperus sabinia 'Buffalo'	Buffalo Juniper		5 gal.	80" o.c.
105	Mahonia aquifolium 'Compsota'	Compact Mahonia		5 gal.	80" o.c.

DIMENSIONS from Median Curb for Each type of Spacing



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT

TITLE MENAUL BOULEVARD N.E. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/1/89	Liquid Waste	R. W. Kane	12-7-89
A.C.E. Design			Traffic	R. W. Kane	12-6-89
A.C.E. -Hydrology	P. M. Kane	12/1/89	Water	R. W. Kane	12-7-89
Parks & Recreation					
DRAWING NO	3772	MAP NO.		SHEET OF	21 21