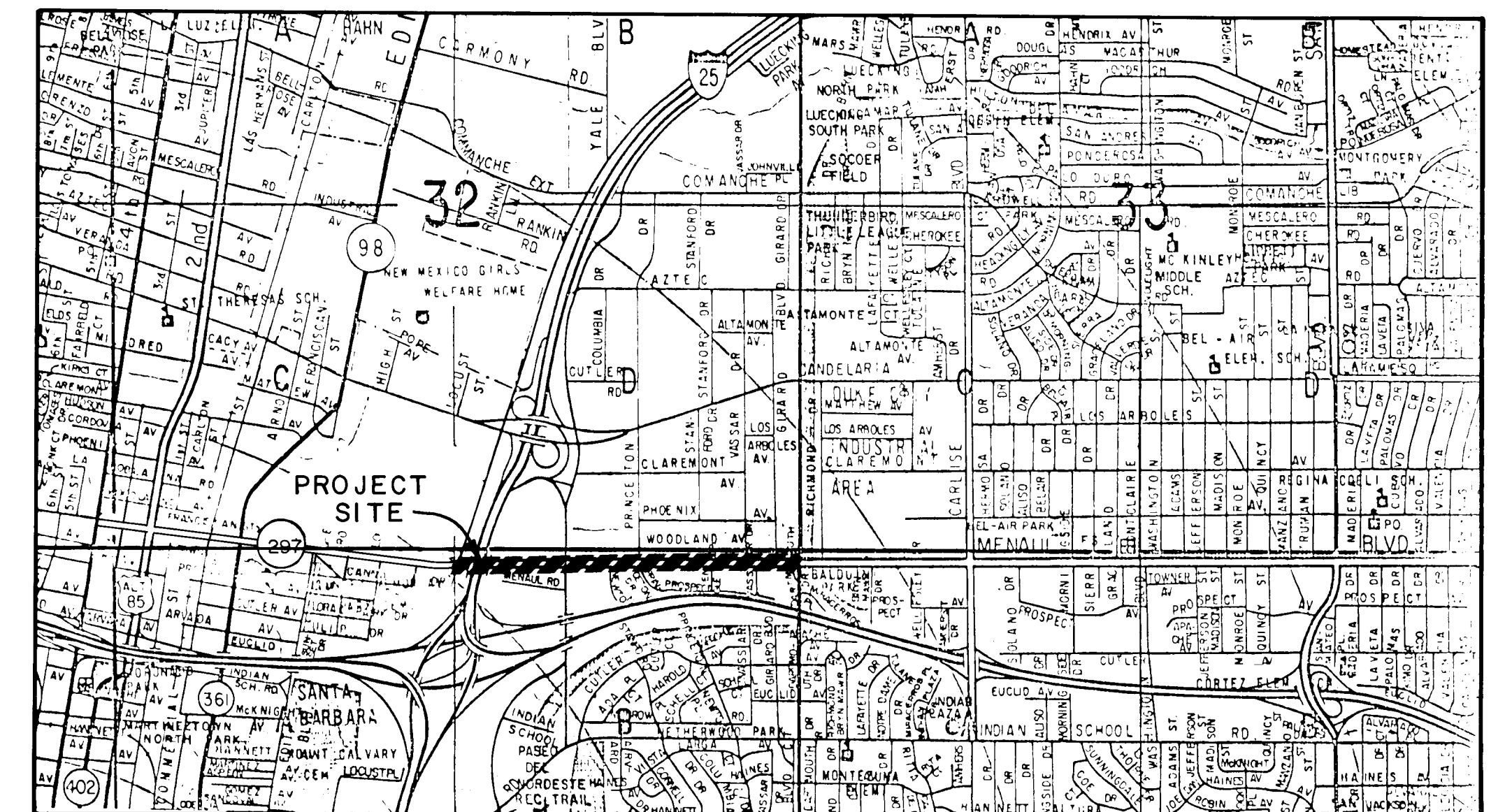


CITY OF ALBUQUERQUE, NEW MEXICO

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



VICINITY MAP

SCALE 1"=2,000'

PROJECT LENGTH: 0.90 MILES

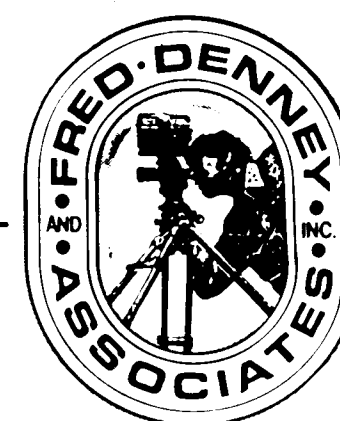
## GENERAL NOTES:

- 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 INSTALLED 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.
- CORB & 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.

## C of A PWD Maps & Records

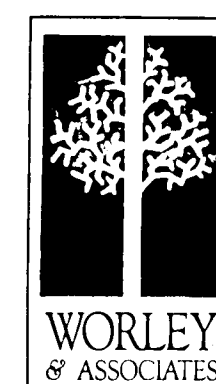
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26	37	72	01	90							

(SEE SHEET 2 FOR CONTINUATION OF GENERAL NOTES)

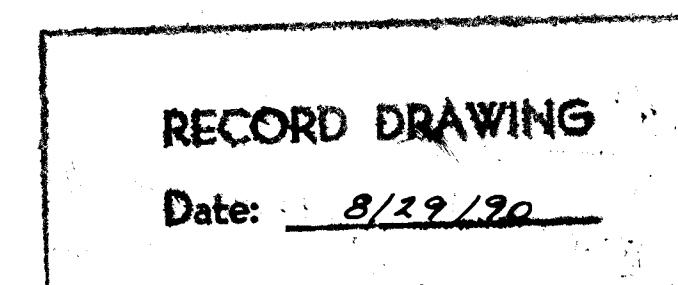
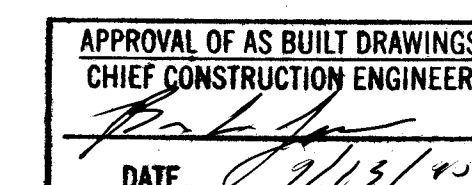


CONSULTING ENGINEERS • PLANNERS • SURVEYORS

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



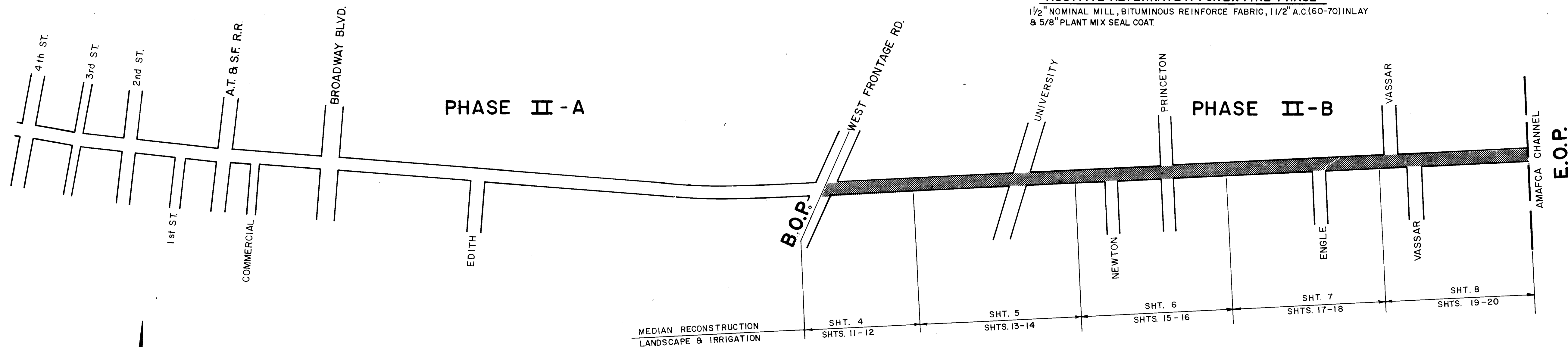
KIRK J. WORLEY & ASSOCIATES P/A • LANDSCAPE ARCHITECTS & PLANNERS A.S.L.A.  
2127 MENAUL BOULEVARD NORTHEAST • ALBUQUERQUE, NEW MEXICO 87107 • 505-864-4111



REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

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



SCALE: 1" = 400'

# PHASE II-B

## MENAU 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.
- 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 CONTRACTOR'S 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 CONTRACTOR'S 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 MENAU L 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  
1 2 3 4 5 6 7 8 9 10 11 12  
2 6 3 7 7 2 0 2 9 0

RECORD DRAWING

Date: 8/22/92

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAU L BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING LOCATION PLAN AND GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rogers	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	P.M.ing	12/2/89	Water	R.W. Kane	12-7-89
DRAWING NO. 3772		MAP NO.		SHEET 2 OF 21	




# 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') 4 1/2 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

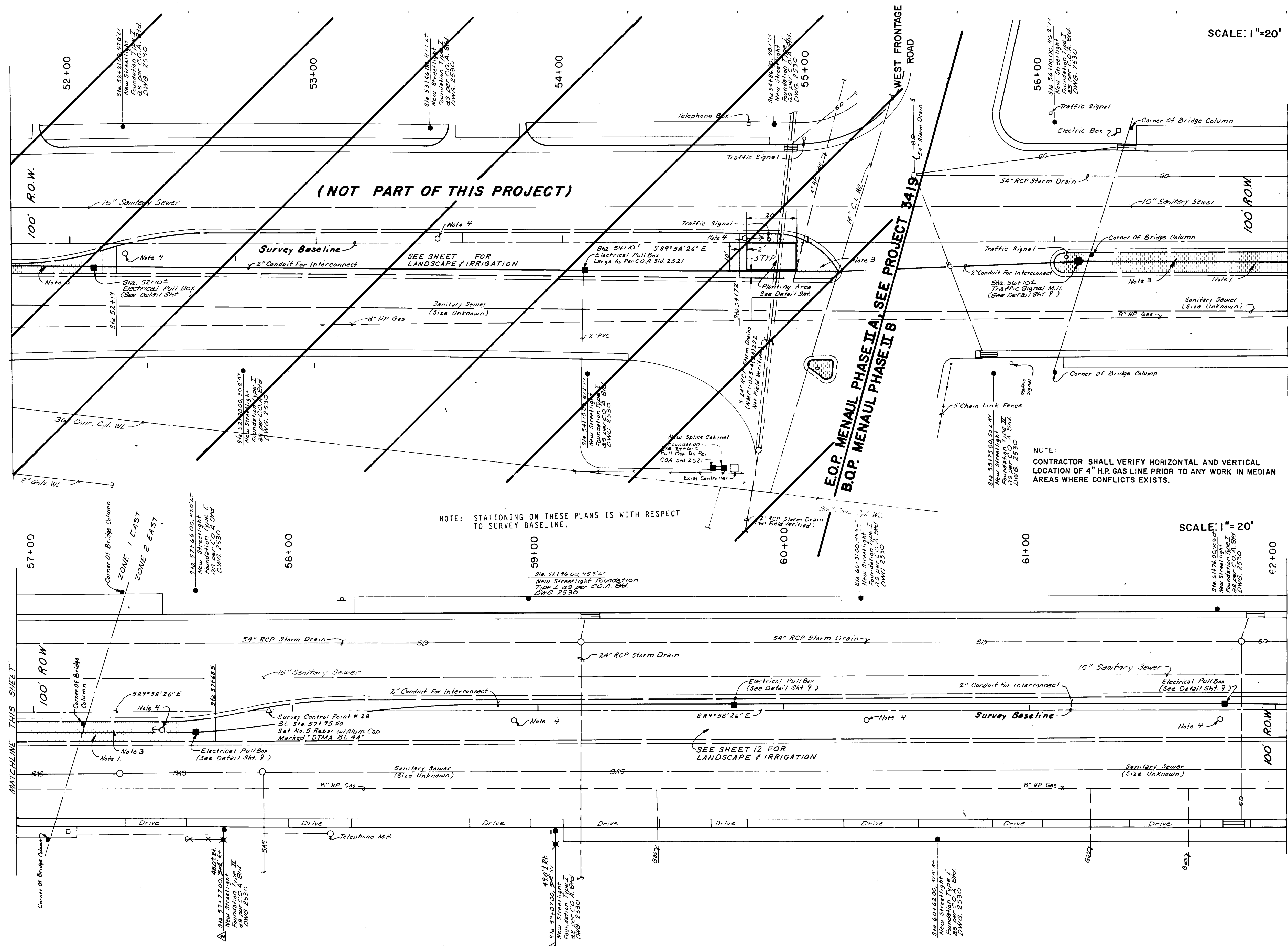
ITEM NO.	ITEM	UNIT	BID QUANTITY	FINAL QUANTITY
1-45	30 mil. plastic PVC or industrial quality PE membrane vapor barrier with adhesive, complete in place.	LF	4,450	4,255
1-46	Project Identification signs, complete in place	EA	2	2
1-47	Irrigation Pull Boxes	EA	10	10
1-48	Deleted			
1-49	Utility Expansion 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" AC 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	
CONTRACT NO.	DATE	NO.	DATE	NO.	DATE		
PROJECT NO.	DATE	BY	DATE	BY	DATE	8-27-90 Record Drawing Int. By C.O.A. 12-22-90 Addendum No. 3 12-18-91 Addendum No. 2 12-17-91 Addendum No. 1	
REVISIONS	DATE	REVISIONS	DATE	REVISIONS	DATE	DESIGNED BY J.A.J. DRAWN BY E.L.O. CHECKED BY R.L.B.	

C of A PWD Maps & Records  
 216 37720390

**RECORD DRAWING**  
 Date: 8/29/90

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: <b>MENAU BOULEVARD PH II-B MEDIAN RECONSTRUCTION &amp; LANDSCAPING</b>					
QUANTITY SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. J. Kane	12/8/91	Liquid Waste	R. J. Kane	12-7-92
A.C.E. - Design	11	12-6-91	Traffic	R. J. Kane	12-6-91
A.C.E. - Hydrology	12/7/91	12/7/91	Water	R. J. Kane	12-7-92
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, FINISH TO MATCH EXISTING PAVEMENT. (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 WILL REMAIN LISTED DURING CONSTRUCTION.
  5. ALL MEDIAN AREAS TO BE PLANTED SHALL BE EXCAVATED TO A DEPTH OF 3" FROM TOP OF CURB, EXCLUDING BENCH AT (SEE DETAIL SHEET 21.) 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 HEAT STRAIGHT LINES. WHEN CURB & GUTTER IS REMOVED, A MINIMUM OF 1' OF PAVEMENT SHALL BE REMOVED.
  8. ALL 8" ELECTRICAL CONDUIT (FOR INTERCONNECT CONTROL VISING) SHALL BE SCHEDULE 40 PNC. 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. WHERE MEMBRANE TO CONCRETE ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
  13. SHOULD CONSTRUCTION WITHIN PROJECT TAKE OVER ONE DAY TO ACCOMPLISH, PLACING 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 PMO BY COORDINATING WITH NICK 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 744-1559, THREE WORKING DAYS PRIOR TO INSTALLATION.

LEGEND (EXISTING)

- ANCHOR BOLT w/GUY WIRE
- POWER POLE
- TELEPHONE PEDESTAL, ELECTRIC BOX, ETC.
- WATER METER
- FIRE HYDRANT
- SANITARY SEWER
- MANHOLE (SANITARY, STORM OR TELEPHONE) FIELD VERIFIED
- EXIST. C.B.G. (MEDIAN)
- SIGN (YIELD, STOP, ETC.)
- TREE
- CHAIN LINK FENCE
- GAS LINE
- LIGHT POLE
- TRAFFIC SIGNAL
- PULLBOX
- WATER VALVE
- WATERLINE
- STORM DRAIN
- MANHOLE (PER C.O.A. SEWER 8" STORM) NOT FIELD VERIFIED
- SURVEY CONTROL POINT
- SIGN (ADVERTISEMENT)
- DROP INLET
- SPOT ELEVATION

(PROPOSED)

- LIGHT FOUNDATION
- TRAFFIC MANHOLE
- ELECTRICAL PULLBOX
- PC STA. 15+70 TO 17+00, FL =
- SPOT ELEV.
- MEDIAN C.B.G. WITH PATTERNED CONC. P.V.M.T.

C of A PWD Maps & Records

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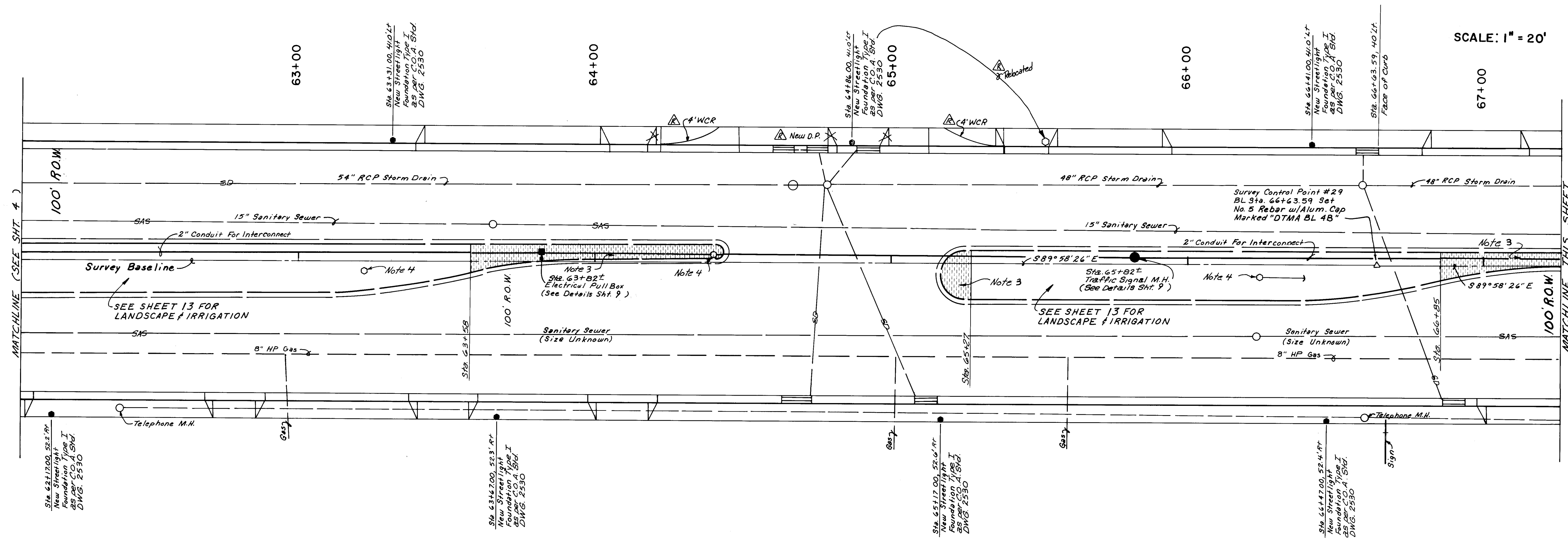
RECORD DRAWING

Date: 8/29/90

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	THE STATION IS A NIKSHC/ACS BRASS CAP MARKED "STA. NM47-13A" SET IN THE TOP OF A CONCRETE POST FLUSH WITH GROUND. THE STATION IS LOCATED IN THE CENTER OF THE MEDIAN OF MENAUL BLVD. JUST WEST OF THE INTERSECTION OF MENAUL BLVD. AND EDITH BLVD.	DATE
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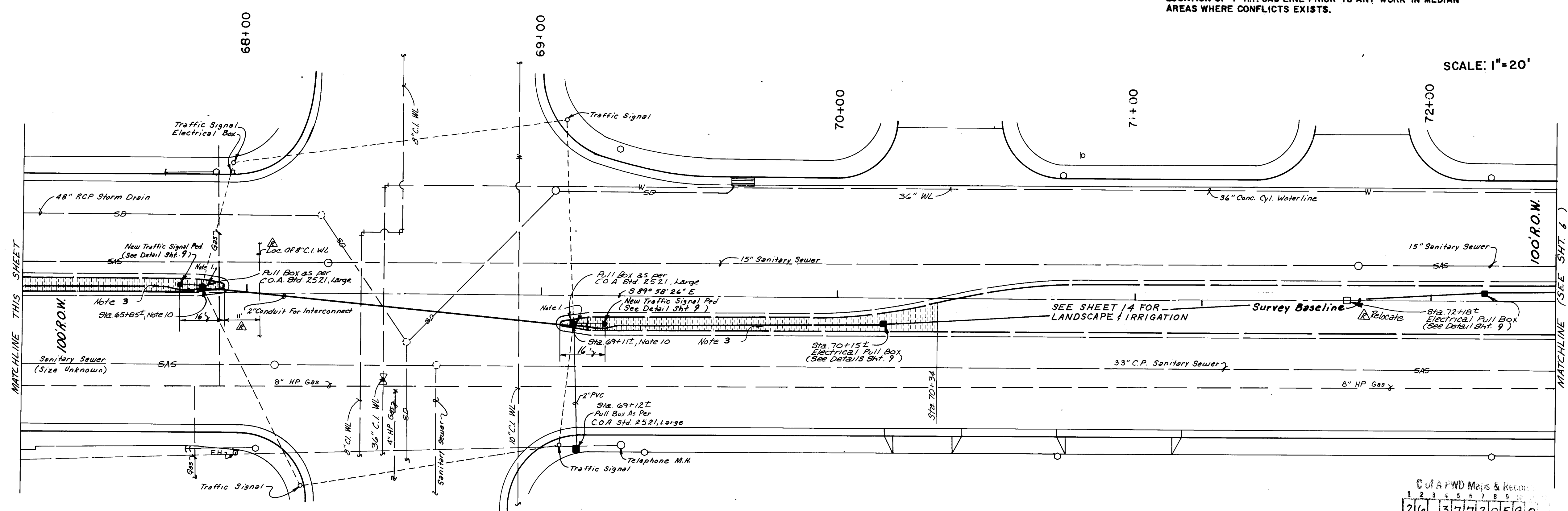
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING RECONSTRUCTION PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rogel	12/18/90	Liquid Waste	R.W. Kane	12/7/90
A.C.E.-Design	"	"	Traffic	R.D. Kane	12/7/90
A.C.E.-Hydrology	12/18/90	12/18/90	Water	R.W. Kane	12/7/90
DRAWING NO. 3772		MAP NO. H-15		SHEET 4 OF 21	
DESIGNED BY J.A.J.		DRAWN BY TUM/ELO		CHECKED BY RLB.	





NOTE: STATIONING ON THESE PLANS IS WITH RESPECT TO SURVEY BASELINE.

NOTE: CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF 4\"/>



SCALE: 1\"/>

**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	-SAS-	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 (ADVERTISEMENTS)
TREE	+	DROP INLET
CHAIN LINK FENCE	+	TO = 78.67 FL = 78.22
GAS LINE	-G-	SPOT ELEVATION

(PROPOSED)

● LIGHT FOUNDATION	■ ELECTRICAL PULLBOX
● TRAFFIC MANHOLE	▲ PC STA. 15+70 TC = 15+70
	MEDIAN C & G WITH PATTERNED CONC. P.V.M.T.

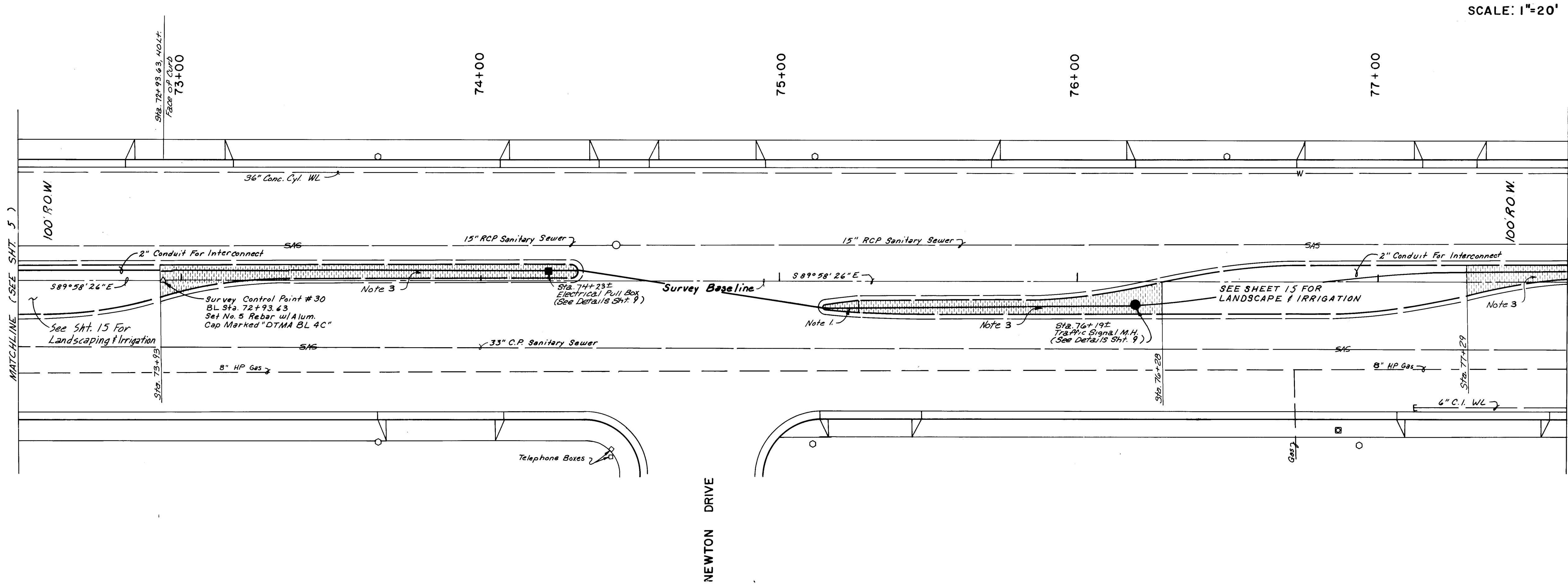
C of A PWD Maps & Records  
26 3772 20590

**RECORD DRAWING**  
Date: 8/29/90

- 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 1-3)
  4. CONSTRUCT NEW STREET LIGHT FOUNDATIONS AS INDICATED. P.W.D. WILL RELOCATE POLES AND LIGHTS WHEN FOUNDATIONS ARE COMPLETE. CONTRACTOR SHALL THEN REMOVE AND DISPOSE OF EXISTING STREET LIGHT FOUNDATIONS. BASE HOLES SHALL THEN BE BACKFILLED AND COMPACTED TO USE 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 BEACH AT CURB. (SEE DETAIL SHEET 21-1.) 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 8" ELECTRICAL CONDUIT (FOR INTERCONNECT CONTROL VIBES) 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. REMOVE EXISTING SIGNAL PEDESTAL FOUNDATION, INTERSECT EXISTING CONDUIT AND INSTALL LARGE PULL BOX.
  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 MEDIAN SHALL HAVE A NO RAIL 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. ADHESIVE 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 PINK BY COORDINATING WITH RICK ROYAL AT 788-2881. PLATING WILL BE AT NO ADDITIONAL COST TO THIS CONTRACT.
  14. PAVEMENT REPLACEMENT WILL CONFORM TO PAVEMENT SECTION DETAILS ON SHEET 3.
  15. COORDINATE LOCATIONS OF TRAFFIC PEDESTAL FOUNDATIONS WITH TRAFFIC OPERATIONS & 764-1599, THREE WORKING DAYS PRIOR TO INSTALLATION.

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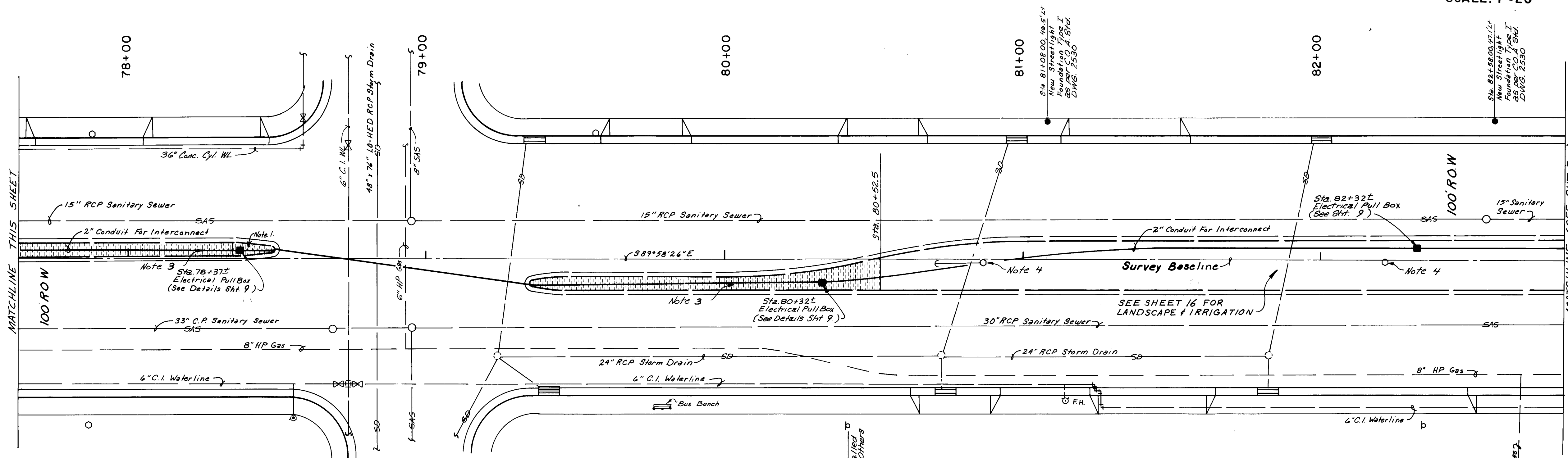
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: <b>MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION &amp; LANDSCAPING</b>					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rogers	12/18/89	Liquid Waste	A.D. Kame	12-7-89
A.C.E.-Design	"	"	Traffic	"	"
A.C.E.-Hydrology	"	12/7/89	Water	A.D. Kame	12-7-89
DRAWING NO.	3772	MAP NO.	H-15	SHEET	5 OF 21



SCALE: 1"=20'

NOTE: STATIONING ON THESE PLANS IS WITH RESPECT TO SURVEY BASELINE.

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



SCALE: 1"=20'

- NOTES:
- REMOVE MEDIAN PAVEMENT (CONCRETE OR ASPHALT).
  - REMOVE EXISTING AND BUILD NEW MEDIAN CURB & GUTTER WITH EXPANSION JOINTS. (CITY STANDARDS DRAWING 2415.)
  - NEW MEDIAN CONCRETE PAVEMENT, RUNNING BOND 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 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.
  - ALL MEDIAN AREAS TO BE PLANTED SHALL BE EXCAVATED TO A DEPTH OF 1" FROM TOP OF CURB, EXCLUDING BENCH AT 1" (SEE DETAIL SHEET 21.) SOIL REMOVED SHALL BE DISPOSED OF IN AN ENGINEER-APPROVED LANDFILL AND SHALL NOT BE REUSED IN THIS OR ANY OTHER LANDSCAPE PROJECT.
  - 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.
  - ALL PAVEMENT CUTS SHALL BE ALONG NEAT STRAIGHT LINES. WHEN CURB & GUTTER IS REMOVED, A MINIMUM OF 1' OF PAVEMENT SHALL BE REMOVED.
  - ALL 2" ELECTRICAL CONDUIT (FOR INTERCONNECT CONTROL WIRES) SHALL BE SCHEDULE 40 PVC. LOCATIONS SHOWN ARE APPROXIMATE. FINAL PLACEMENT TO BE FIELD VERIFIED.
  - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES. DAMAGE TO EXISTING LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - PNM TO RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE.
  - 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 BACK OF CURB, FRONT EDGE OF FOUNDATION SHALL BE PLACED AT BACK EDGE OF CURB.
  - ALL MEDIAN 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.
  - SHOULD CONSTRUCTION ON THIS PROJECT TAKE OVER ONE DAY TO ACCOMPLISH, PLATING OF YARD THROUGH 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 OR FIELD BY COORDINATING WITH RICK ROYVAL AT 788-1531. PLATING WILL BE AT NO ADDITIONAL COST TO THIS CONTRACT.
  - PAVEMENT REPLACEMENT WILL CONFORM TO PAVEMENT SECTION DETAILS ON SHEET 9.
  - COORDINATE LOCATIONS OF TRAFFIC PEDESTAL FOUNDATIONS WITH TRAFFIC OPERATIONS & 724-1559, 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. SEWER & STORM ATLAS) NOT FIELD VERIFIED
EXIST. C & G (MEDIAN)	SURVEY CONTROL POINT
SIGN (YIELD, STOP, ETC.)	SIGN (ADVERTISING)
TREE	DROP INLET
CHAIN LINK FENCE	TC = 78.67 SPOT ELEVATION
GAS LINE	FL = 78.22

**(PROPOSED)**

LIGHT FOUNDATION	ELECTRICAL PULLBOX
TRAFFIC MANHOLE	PC STA. 15+70 SPOT ELEV. TC = FL =
	TC = 78.67 SPOT ELEV. FL = 78.22
	MEDIAN C & G WITH PATTERNED CONC. PVM/T.

C of A PWD Maps & Records  
26 3772 206910

RECORD DRAWING  
Date: 8/29/90

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

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

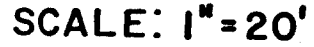
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rogel	12/8/99	Liquid Waste	R.W. Kane	12-7-99
A.C.E. - Design	"	"	Traffic	R.W. Kane	12-6-99
A.C.E. - Hydrology	Pullman	12/7/99	Water	R.W. Kane	12-7-99

DRAWING NO. **3772** MAP NO. **H-15, H-16** SHEET **6** OF **21**

DESIGNED BY: J.A.J. DATE:   
DRAWN BY: TJM/VELO DATE:   
CHECKED BY: R.L.B. DATE:

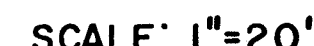
P.D.A. JOB NO. 931.31





1. REMOVE MEDIAN PAVEMENT (CONCRETE OR ASPHALT).
2. REMOVE EXISTING AND BUILD NEW MEDIAN CURB & GUTTER WITH EXPANSION JOINTS. (SEE DIMENSIONS DRAWN ON SHEET "A").
3. NEW MEDIAN CONCRETE PAVEMENT, RUNNING BOND BRICK PATTERNED. (SEE DETAIL SHEET "D").
4. CONSTRUCT NEW STREET LIGHT FOUNDATIONS AS INDICATED. PNM WILL RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETED. CONTRACTOR SHALL THEN REMOVE AND REBUILD EXISTING FOUNDATIONS ON NEW FOUNDATIONS. BASE DOWNS SHALL THEN BE REINFORCED AND REPAVED TO 1955 REPAIR STANDARD (AASHTO 1-1557). ENTIRE CIRCUIT MUST BE READY FOR RELOCATION AT THE END OF THE PROJECT. PAVEMENT 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. SOIL DETAIL SHALL BE USED. SOIL REMOVED SHALL BE DISPOSED OF IN AN APPROVED LANDFILL. EXCESS SOIL SHALL NOT BE REUSED IN THIS OR ANY OTHER LANDSCAPE PROJECT.
6. WHEN REMOVING CURB & GUTTER ADJACENT TO EXISTING PAVEMENT OR DRAIN TO PAVEMENT OUTSIDE LIP OF CURB, GUTTER SHALL BE REMOVED AND PLACED AT CONTRACTOR EXPENSE.
7. ALL PAVEMENT CUTS SHALL BE ALONG EXISTING LIGHT LINES. WHEN GUTTER IS REMOVED, A MINIMUM OF 1" OF PAVEMENT SHALL BE REMOVED.
8. ALL 2" ELECTRICAL CONDUIT (FOR EXISTING STREET LIGHTS) SHALL BE SCHEDULE 40 P.C. LOCATIONS SHOWN ON THE DETAIL SHEET. FINAL PLACEMENT TO BE FIELD VERIFIED.
9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITY LINES. BARRIERS FOR 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 OF FOUNDATION SHALL BE REINFORCED AT BACK, FRONT EDGE OF SIDEWALK, WHERE FOUNDATION IS LOCATED. BACK OF CURB, FRONT EDGE OF FOUNDATION SHALL BE REINFORCED AT BACK.
12. ALL MEDIANS SHALL HAVE A 30 MI/L PE MEMBRANE INSTALLED CONTINUOUSLY AT THE BACK OF CURB AND AT THE EDGE OF CONC. MEMBRANE SHALL BE REINFORCED OVER SLOIL BENCH AND TO THE BOTTOM OF THE EXISTING PIT. ALL REPAIRS SHALL BE TO CONCRETE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. (A)
13. SHOULD CONSTRUCTION ON THIS PROJECT TAKE OVER ONE DAY TO ACCOMPLISH, PLACING OF PAVEMENT ON TOP OF EXISTING PAVEMENT SHALL BE PROVIDED AT THE END OF THE PROJECT. PAVEMENT SHALL BE PLACED FROM THE C.O.D. AND ON P.M.V. BY COORDINATING WITH THE P.M.V. AT THE END OF THE PROJECT. ADDITIONAL COST TO THIS CONTRACT.
14. PAVEMENT REPLACEMENT WILL CONFORM TO PAVEMENT SECTION DETAILS ON SHEET "C".
15. COORDINATE LOCATIONS OF TRAFFIC PEDESTAL FOUNDATIONS WITH TRAFFIC ENGINEER AND 764-1593 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.**



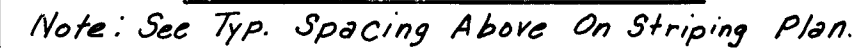
ENGINEERS S&P

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

⑦ $\Delta = 180^{\circ}00'00''$	② $\Delta = 16^{\circ}57'37''$
R = 2.83'	R = 150.00'
L = 8.89'	L = 42.57'
T = _____	T = 21.43'

③ $\Delta = 180^{\circ}00'00''$	
R = 2.77'	
L = 8.71'	
T = _____	



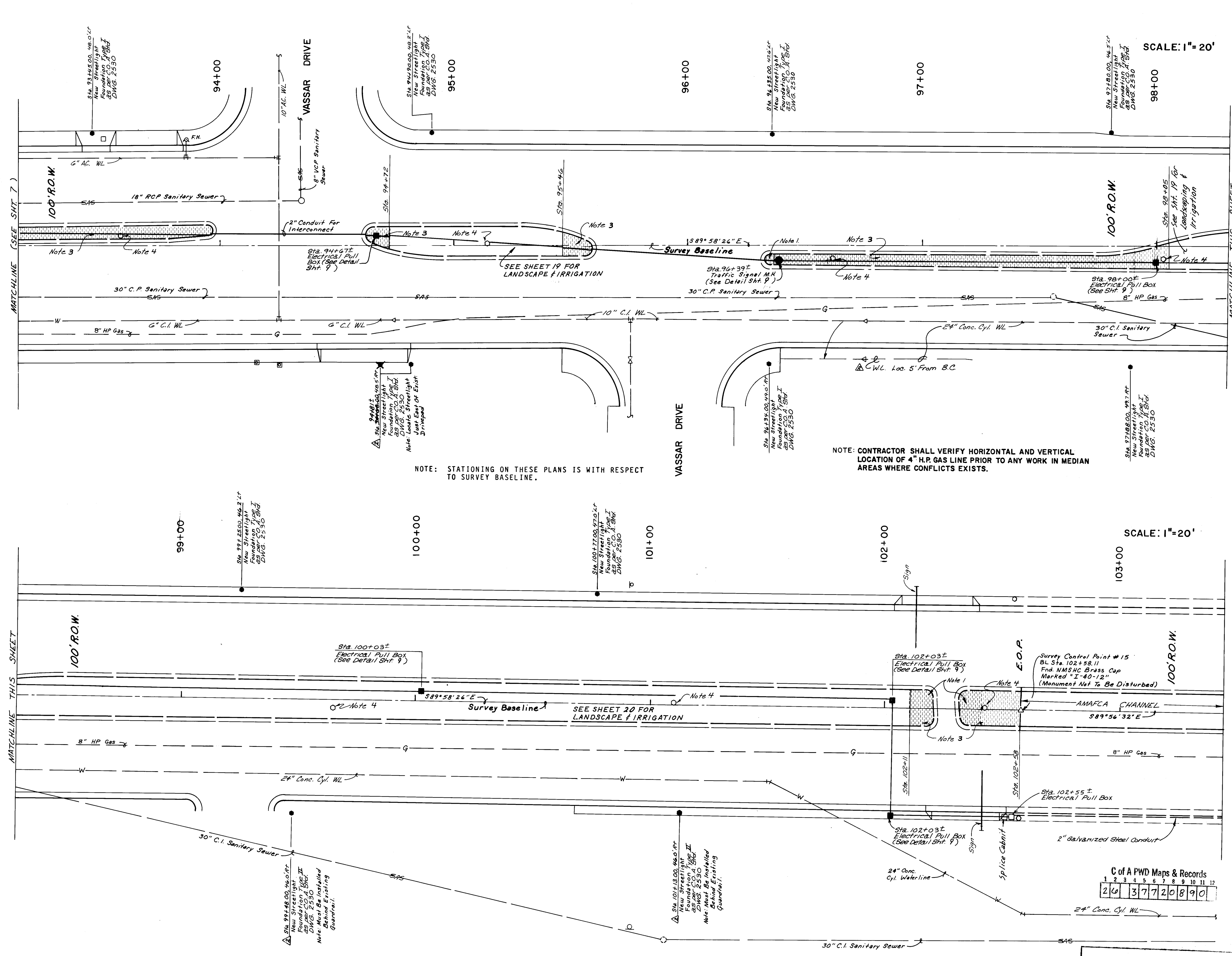
C of S Form R-90 & Records



RECORD DRAWING

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

DRAWING NO.	3772	MAP NO. H-16	SHEET 7 OF 21
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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 #.)
  4. CONSTRUCT NEW STREET LIGHT FOUNDATIONS AS INDICATED. PNM WILL RELOCATE POLES AND LIGHTS WHEN NEW FOUNDATIONS ARE COMPLETE. CONTRACTOR SHALL 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 #.) 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'S 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. WHEN 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 PLACING OF THE TRENCH OR SUBSIDIARY ASPHALT CONCRETE PAVEMENT SHALL BE PROVIDED AT THE END OF EACH WORKING DAY. PLATES CAN BE OBTAINED FROM THE C.O.A. YARD OR PHO BY COORDINATING WITH RICK NOTAL AT 788-5511. PLATES 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 764-1559, THREE WORKING DAYS PRIOR TO INSTALLATION.

**LEGEND**  
(EXISTING)

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

(PROPOSED)

- LIGHT FOUNDATION
- TRAFFIC MANHOLE
- ELECTRICAL PULLBOX
- P.C. STA. 15+70
- SPOT ELEV.
- MEDIAN C & G WITH PATTERNED CONC. PNM'IT.

RECORD DRAWING  
Date: 8/29/90

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

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

RECONSTRUCTION PLAN

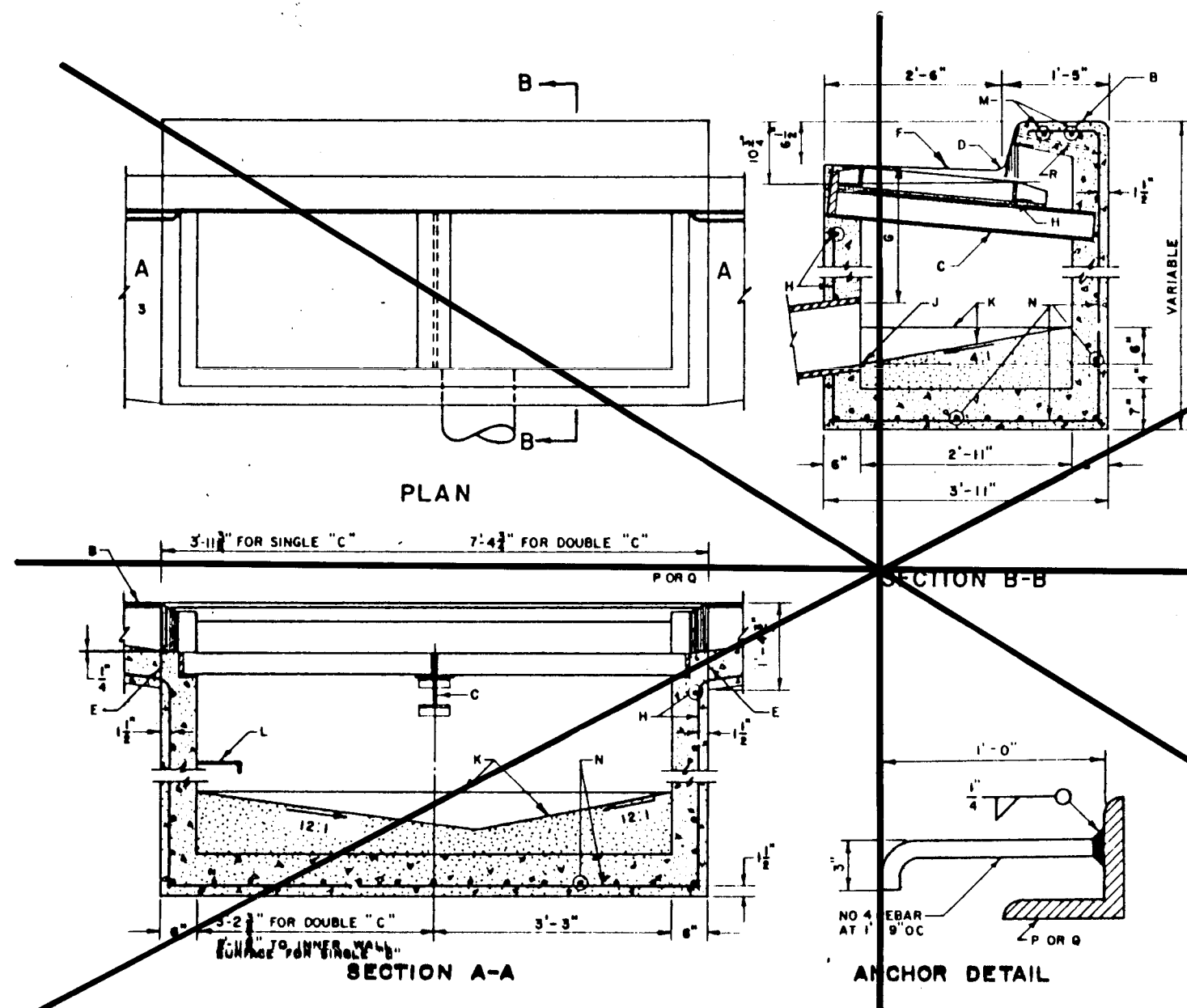
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	R. W. Kane	12/8/89	Liquid Waste	R. W. Kane	12-7-89
A.C.E.-Design	"	"	Traffic	R. W. Kane	12-6-89
A.C.E.-Hydrology	"	12/7/89	Water	R. W. Kane	12-7-89

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

DESIGNED BY: J.A.J. DATE:   
DRAWN BY: T.J.M./E.O. DATE:   
CHECKED BY: R.L.B. DATE:

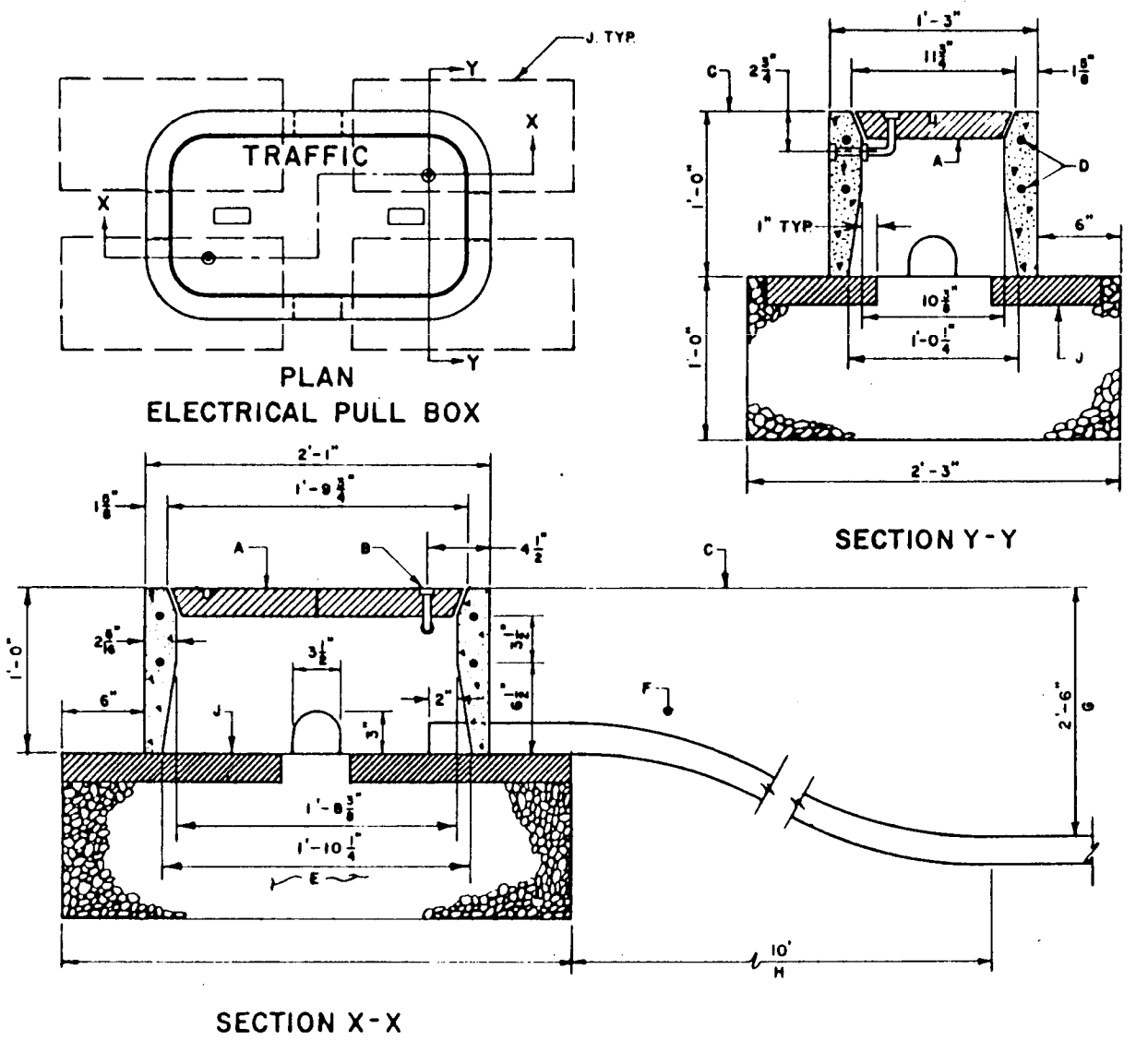
F.D.A. JOB NO. 931.31



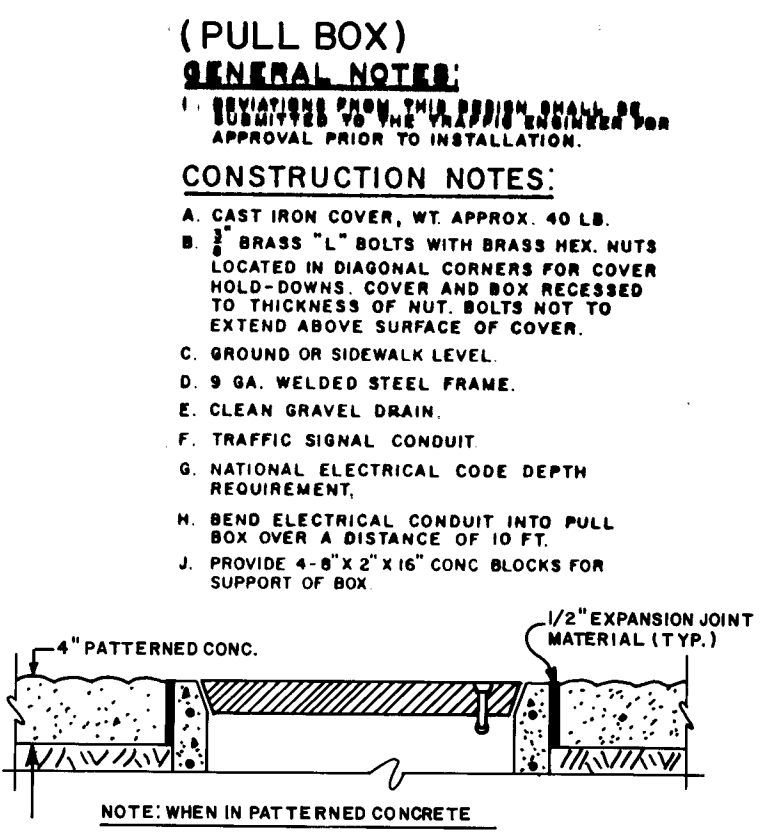


- (DRAINAGE)**  
**GENERAL NOTES:**
1. FOR SINGLE GRATE TYPE STORM INLET DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
  2. FOR STORM INLET GUTTER TRANSITION, SEE DWG 2201.
  3. OUTLET PIPE SIZE, PER INSTALLATION REQUIREMENT.
  4. FOR FRAME & GRATING, SEE DWG 2210, 2220 & 2221.
  5. FOR ANCHOR SEE DETAIL.
  6. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.
- CONSTRUCTION NOTES:**
- A. GUTTER TRANSITION.
  - B. TOP OF CURB.
  - C. CENTER SUPPORT ASSEMBLY.
  - D. FLOWLINE.
  - E. CONSTRUCTION JOINT.
  - F. NORMAL GUTTER LINE.
  - G. 1" 10" MIN, UNLESS OTHERWISE DIRECTED.
  - H. FRAME AND GRATE.
  - I. INVERT OF OUTLET PIPE.
  - J. CONCRETE FILL, MINIMUM SLOPES AS SHOWN.
  - K. FOR STORM INLET DEPTH, GREATER THAN 4" (INSIDE) SUB SLOPES, SEE DWG 2220, UPSTREAM SIDE.
  - L. EXTEND NO. 4 BARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
  - M. 1" BARS AT 6" O.C.
  - N. 3 1/2" x 3 1/2" x 1/2" x 4" - 6" FOR SINGLE GRATE TYPE "C" STORM INLET.
  - O. 3 1/2" x 3 1/2" x 1/2" x 3" - 6" FOR DOUBLE GRATE TYPE "C" STORM INLET.
  - P. ANCHOR.

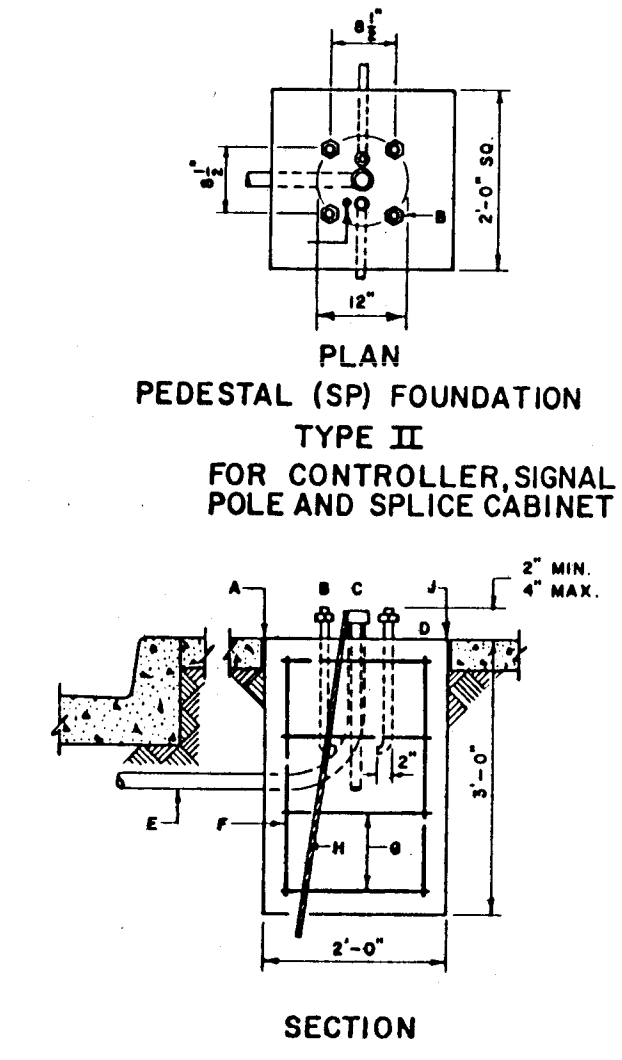
**DRAINAGE**  
**STORM INLET DOUBLE "C"**  
**NOT PART OF THIS PROJECT**



**TRAFFIC**  
**ELECTRICAL PULL BOX**

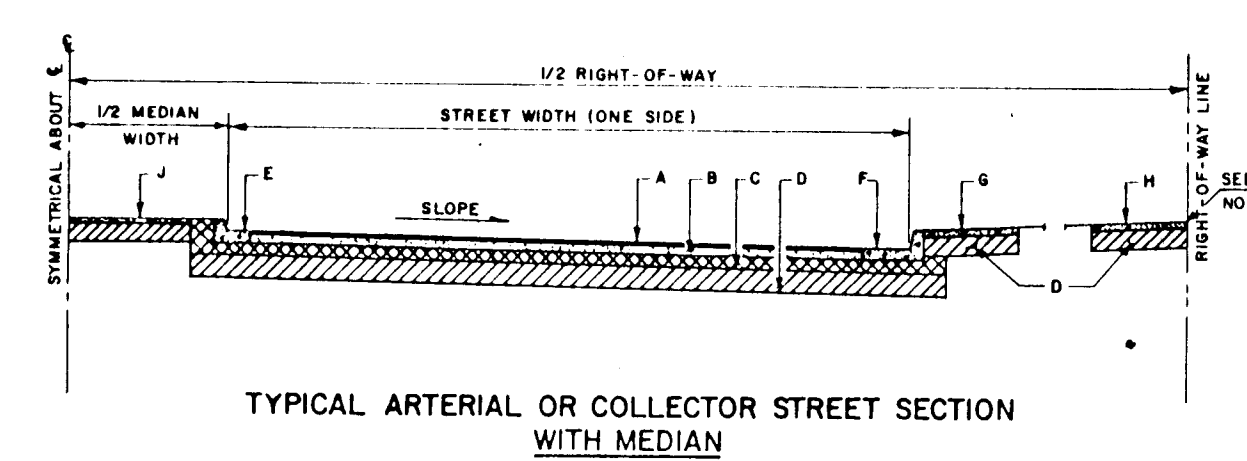


- (PULL BOX)**  
**GENERAL NOTES:**
1. APPROVED FOR THE CITY OF ALBUQUERQUE PRIOR TO INSTALLATION.
- CONSTRUCTION NOTES:**
- A. CAST IRON COVER, WT. APPROX. 40 LB.
  - B. BRASS "L" BOLTS WITH BRASS HEX. NUTS LOCATED IN DIAGONAL CORNERS FOR COVER HOLD-DOWNS. COVER AND BOX RECESSED TO THICKNESS OF NUT. BOLTS NOT TO EXTEND ABOVE SURFACE OF COVER.
  - C. GROUND OR SIDEWALK LEVEL.
  - D. 9 GA. WELDED STEEL FRAME.
  - E. CLEAN GRAVEL DRAIN.
  - F. TRAFFIC SIGNAL CONDUIT.
  - G. NATIONAL ELECTRICAL CODE DEPTH REQUIREMENT.
  - H. BEND ELECTRICAL CONDUIT INTO PULL BOX OVER A DISTANCE OF 10 FT.
  - J. PROVIDE 4-8" x 2" x 16" CONC. BLOCKS FOR SUPPORT OF BOX.

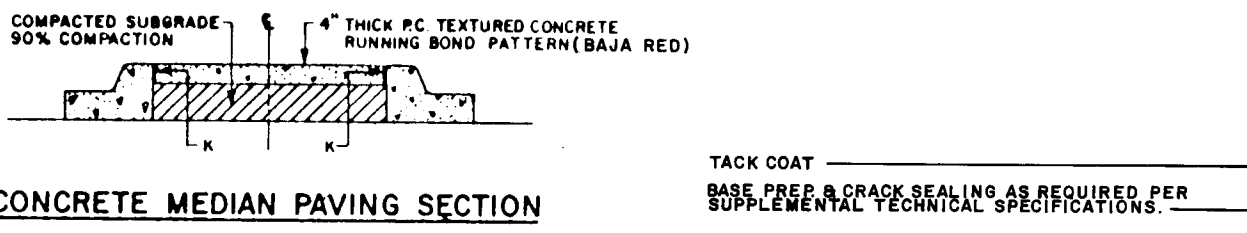


- (TRAFFIC)**  
**GENERAL NOTES:**
1. THE TOP OF THE MAST ARM AND PROPORTIONAL FOUNDATION SHALL BE LEVEL WHEN PLACED IN MEDIAN WHERE MEDIAN IS BUILT. THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED IN OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH THE SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
- CONSTRUCTION NOTES:**
- A. 1" EXPANSION JOINT MATERIAL (TYPICAL).
  - B. 4- 1/2" x 1/2" x 6" ANCHOR BOLTS WITH NUTS AND WASHERS ON 12" DIA. BOLT CIRCLE.
  - C. WEATHER CAP.
  - D. FOR ELEVATIONS, SEE NOTE 1 ABOVE.
  - E. RIGID CONDUIT.
  - F. NO. 6 AT EACH CORNER.
  - G. 4 NO. 4 TIES.
  - H. 1" x 10" x 0" COPPERWELDED GROUND ROD WITH 1" OF ROD EXPOSED INSIDE BOLT CIRCLE.
  - J. TOOL TOP EDGES OF PEDESTAL WITH 1/4" RADIUS.

**TRAFFIC PEDESTAL FOUNDATION**

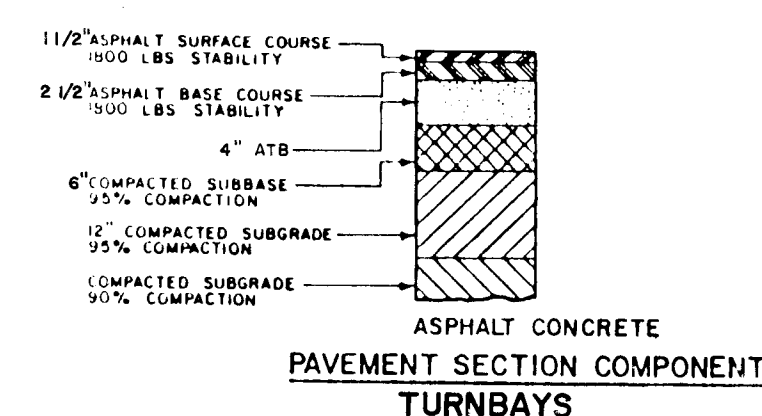


**TYPICAL ARTERIAL OR COLLECTOR STREET SECTION WITH MEDIAN**

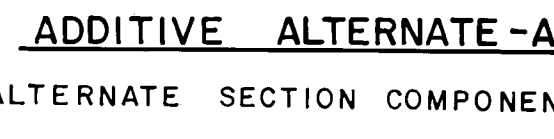


**CONCRETE MEDIAN PAVING SECTION**

TACK COAT  
BASE FREE & GRADE SEALING AS REQUIRED PER SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

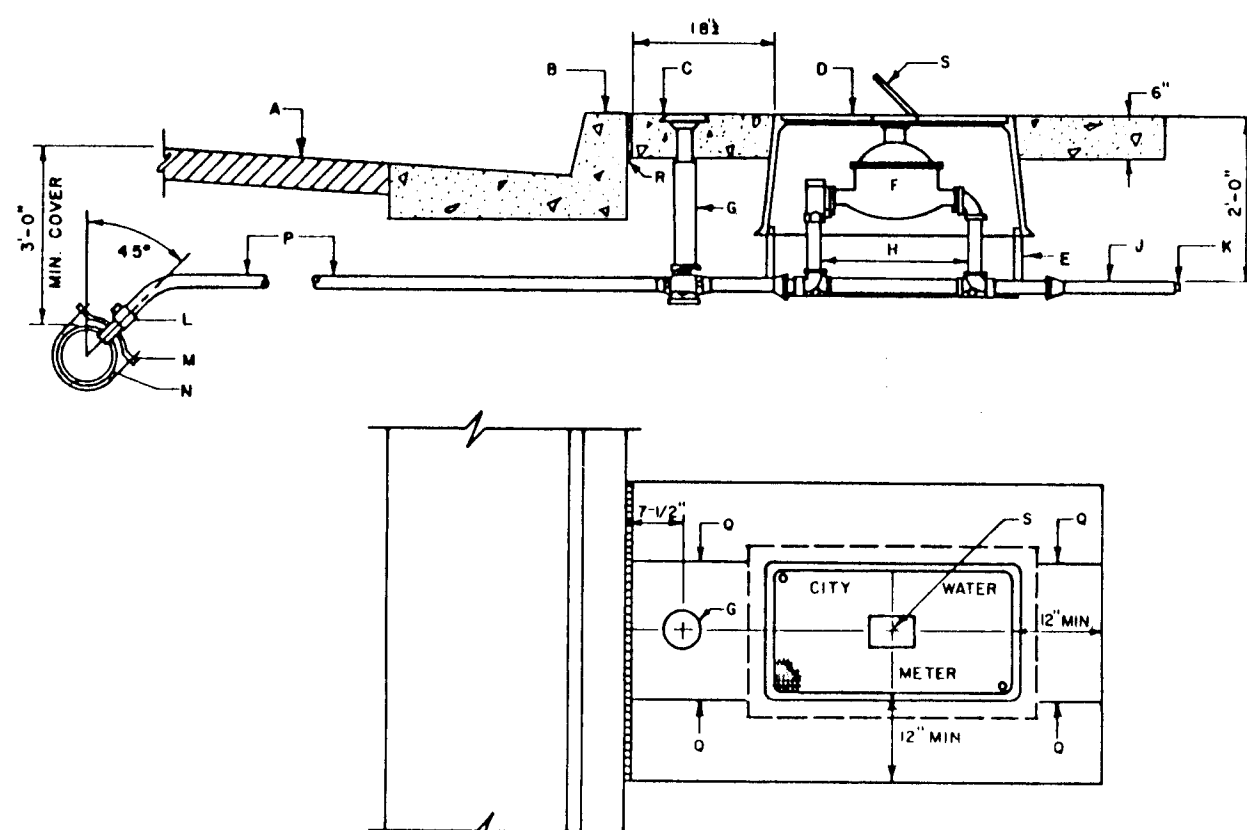


**ASPHALT CONCRETE PAVEMENT SECTION COMPONENTS TURNBAYS**



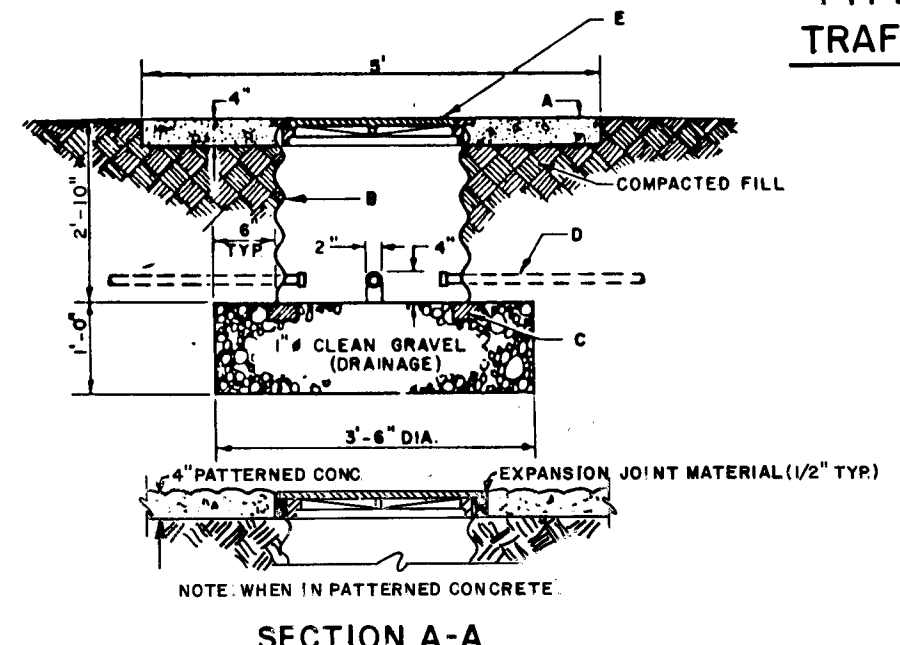
**ADDITIVE ALTERNATE - A**

**PAVING**  
**ART/COLL ST SECTIONS WITH MEDIAN**



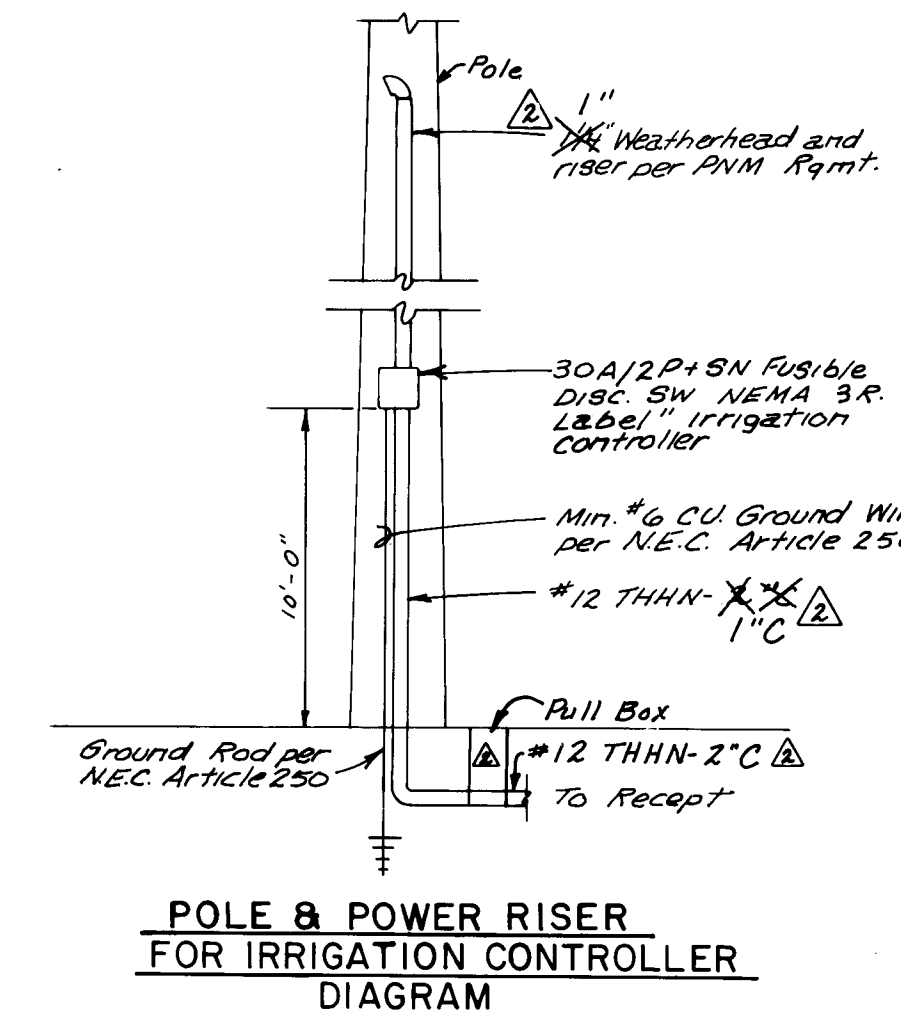
**SERVICE LINE FOR 1 1/2" & 2" METER WATER**  
**METERED SERVICE LINE INSTALLATION**

- (WATER)**  
**GENERAL NOTES:**
1. METER BOX LOCATION TO CONFORM TO DWG 2360, 2361.
- CONSTRUCTION NOTES:**
- A. STREET SURFACE.
  - B. TOP OF CURB.
  - C. 6" CONC. PAD REQUIRED AROUND ALL METER BOXES.
  - D. METER BOX W/COVER & LID, COVER TO BE FLUSH WITH SURFACE.
  - E. EXTENSION TO METER BOX.
  - F. METER.
  - G. CURB STOP AND BOX.
  - H. METER YOKE FOR 1 1/2" & 2" FLANGE TYPE W.M., MUELLER H-142 OR APPROVED EQUAL.
  - I. TAIL PIECE 3' LONG, APPROVED COPPER TUBING WITH A CLEAN CUT AT END.
  - J. TEMPORARY PLUG.
  - K. CORP. STOP.
  - L. TAPPING SADDLE.
  - M. MAIN WATER LINE.
  - N. TUBING.
  - O. CONTRACTION JOINT.
  - P. 1/2" EXPANSION JOINT.
  - S. METER LID, CENTER OVER METER REGISTER.

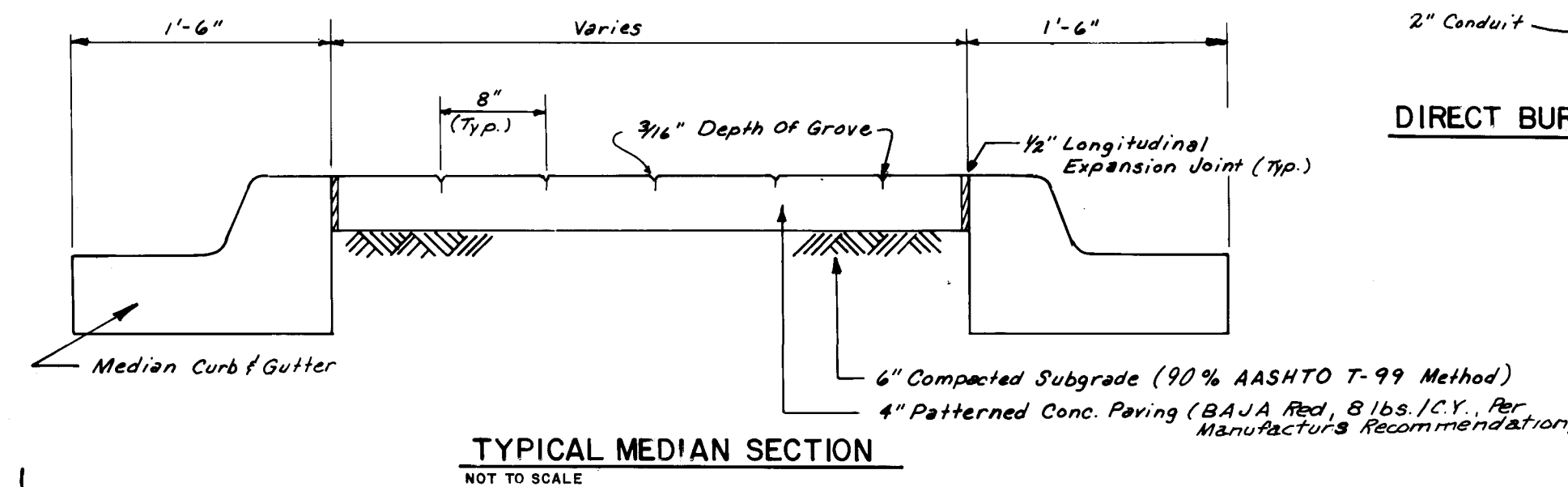


**SECTION A-A**

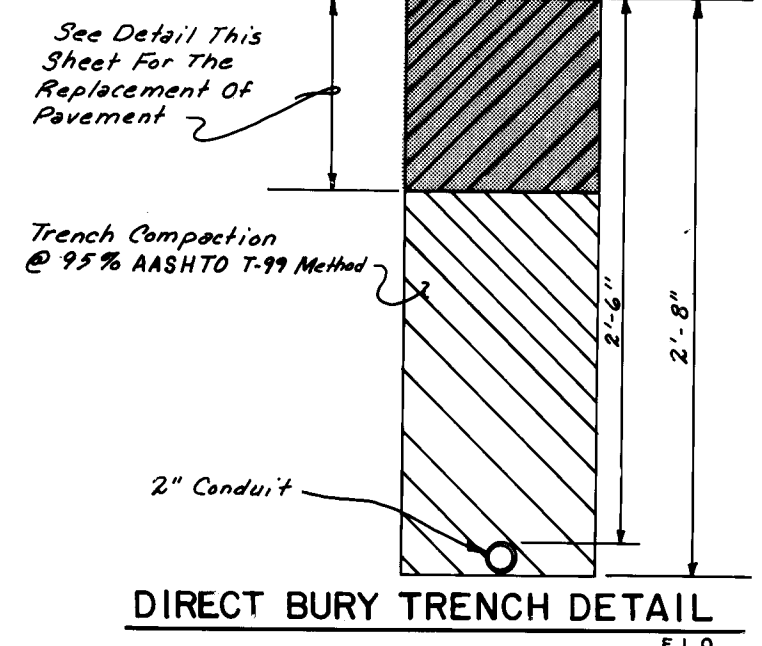
- (MANHOLE)**  
**GENERAL NOTES:**
1. TYPE I - 5' SO. CONC. PAD REQUIRED.
  2. TYPE II - 5' SO. CONC. PAD REQUIRED.
  3. TRAFFIC SIGNAL MANHOLE TO BE CONSTRUCTED IN AREAS OF NO VEHICULAR TRAFFIC.
- CONSTRUCTION NOTES:**
- A. 5' SO. CONC. PAD TYPE I, TO BE CONSTRUCTED IF SPECIFIED.
  - B. 24" ID. 14 GA. C.M.P. DIPPED IN COAL TAR ENAMEL OR COATED WITH POLYMERIC COATING (WHEELING PLASTICOTE, MANUFACTURED BY WHEELING CORRUGATING CO. OR EQUAL).
  - C. 3 MILS THICK MIN. MEETING REQUIREMENTS SET BY A.A.S.H.T.O. M 246.
  - D. STANDARD SIZE BRICK FOOTING MINIMUM OF 8 PER MANHOLE.
  - E. HEAVY DUTY CONDUIT, AS SHOWN ON PLANS.
  - F. ROUNDED M.H. COVER, NEENAH FOUNDRY CO. MODEL R-5900-E.
- TYPE I & TYPE II**  
**TRAFFIC SIGNAL MANHOLE**



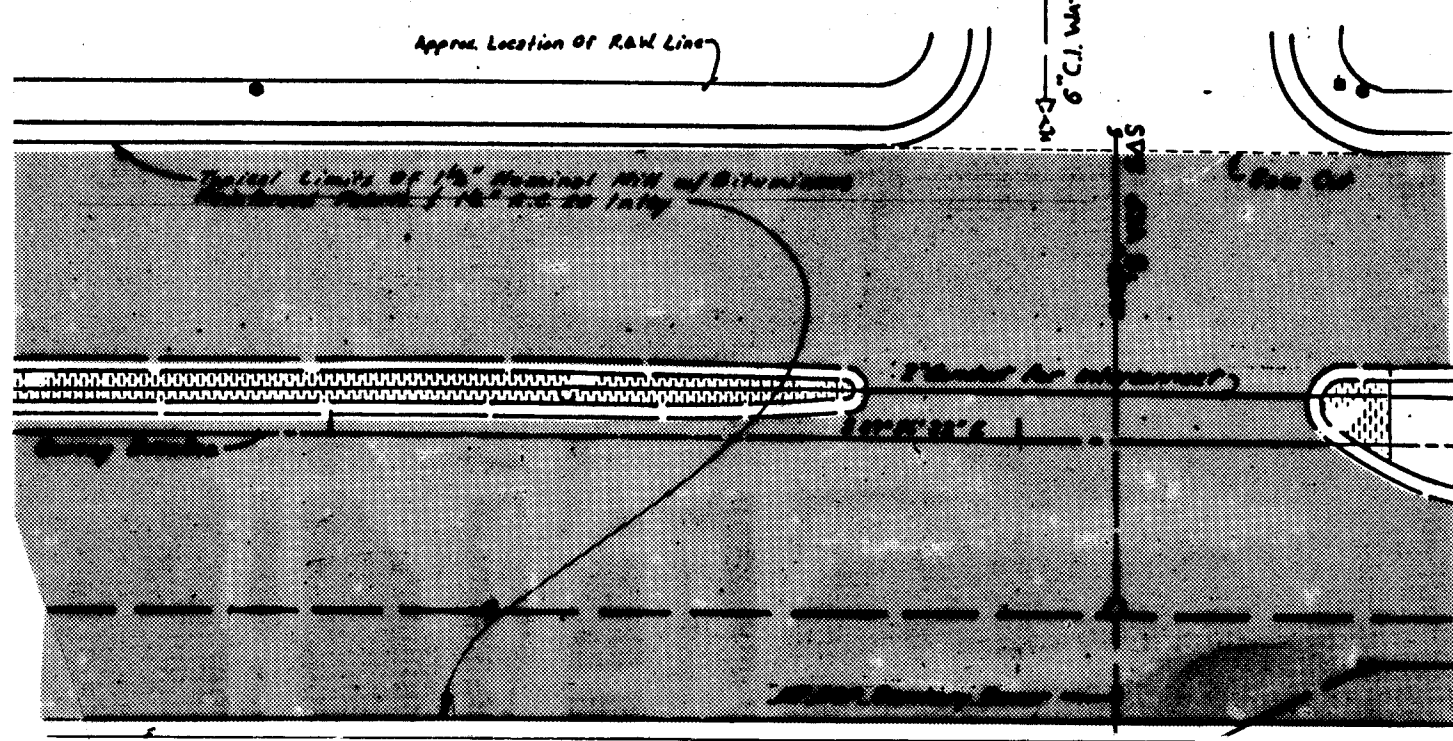
**POLE & POWER RISER FOR IRRIGATION CONTROLLER DIAGRAM**



**TYPICAL MEDIAN SECTION**  
**NOT TO SCALE**



**DIRECT BURY TRENCH DETAIL**  
**E.L.O.**



**PATTERNED CONCRETE PAVING DETAIL AT MEDIAN**

Note: Transverse Expansion Joint Shall Be Placed To Coincide With Curb Stone Joints. Transverse Joints Shall Be Elastomeric Joint Sealant And Be Full Depth (Typical).

**RECORD DRAWING**  
Date: 8/29/90

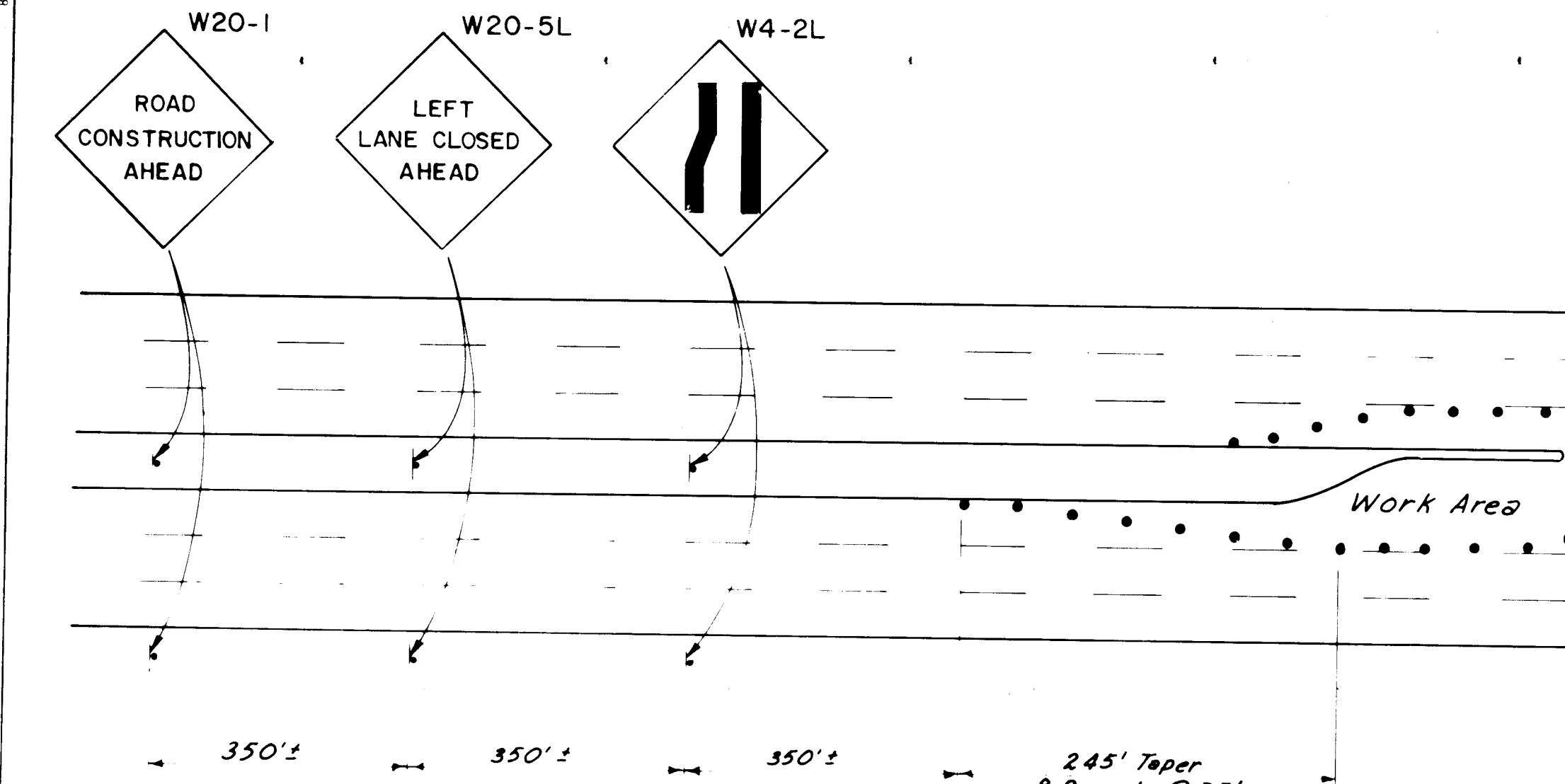
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

**TITLE: MENAUL BOULEVARD PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING DETAILS**

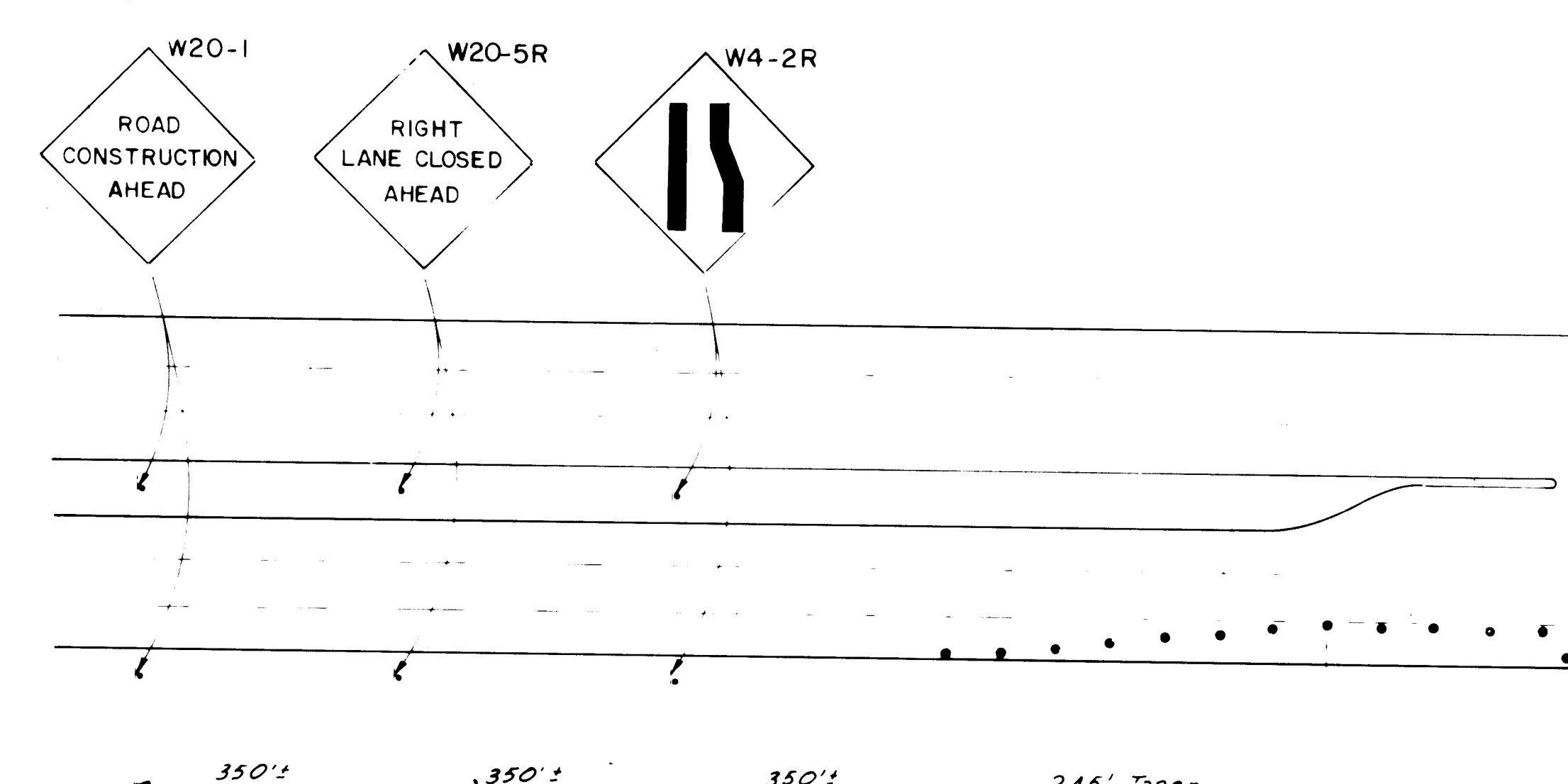
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer	Ryan A. Shea	12/18/89	Liquid Waste	R.W. Kane	12/18/89
A.C.E. - Design			Traffic	R.W. Kane	12-18-89
A.C.E. - Hydrology			Water	R.W. Kane	12-18-89

DESIGNED BY: ELO  
DRAWN BY: ELO  
CHECKED BY: F.N.D.

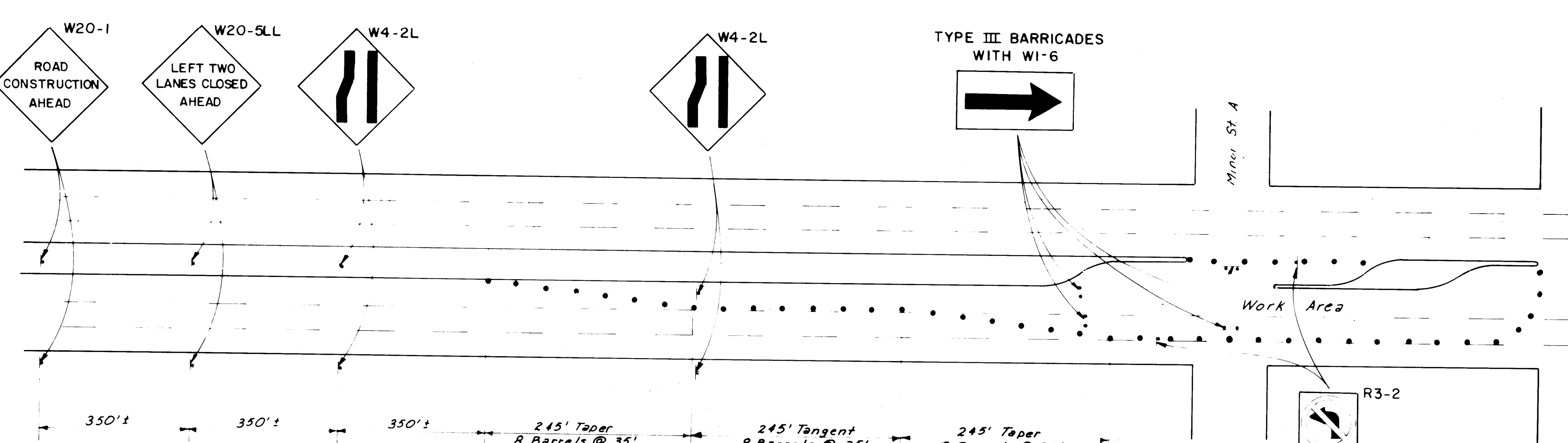
DRAWING NO. 3772  
MAP NO. SHEET 9 OF 21



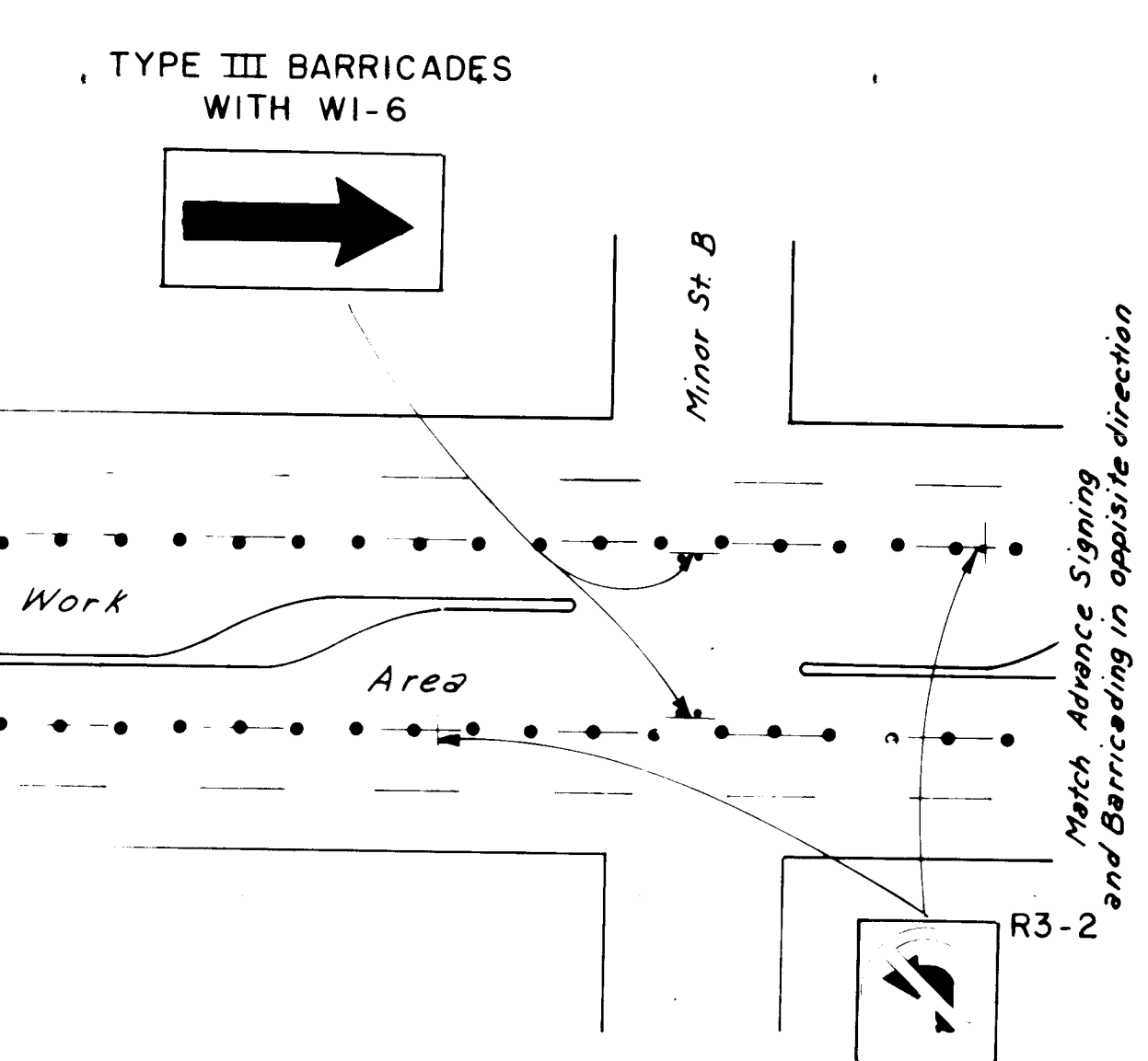
TYPICAL LEFT LANE CLOSURE  
NO SCALE



TYPICAL RIGHT LANE CLOSURE  
NO SCALE



TYPICAL LEFT TWO LANES CLOSED  
NO SCALE



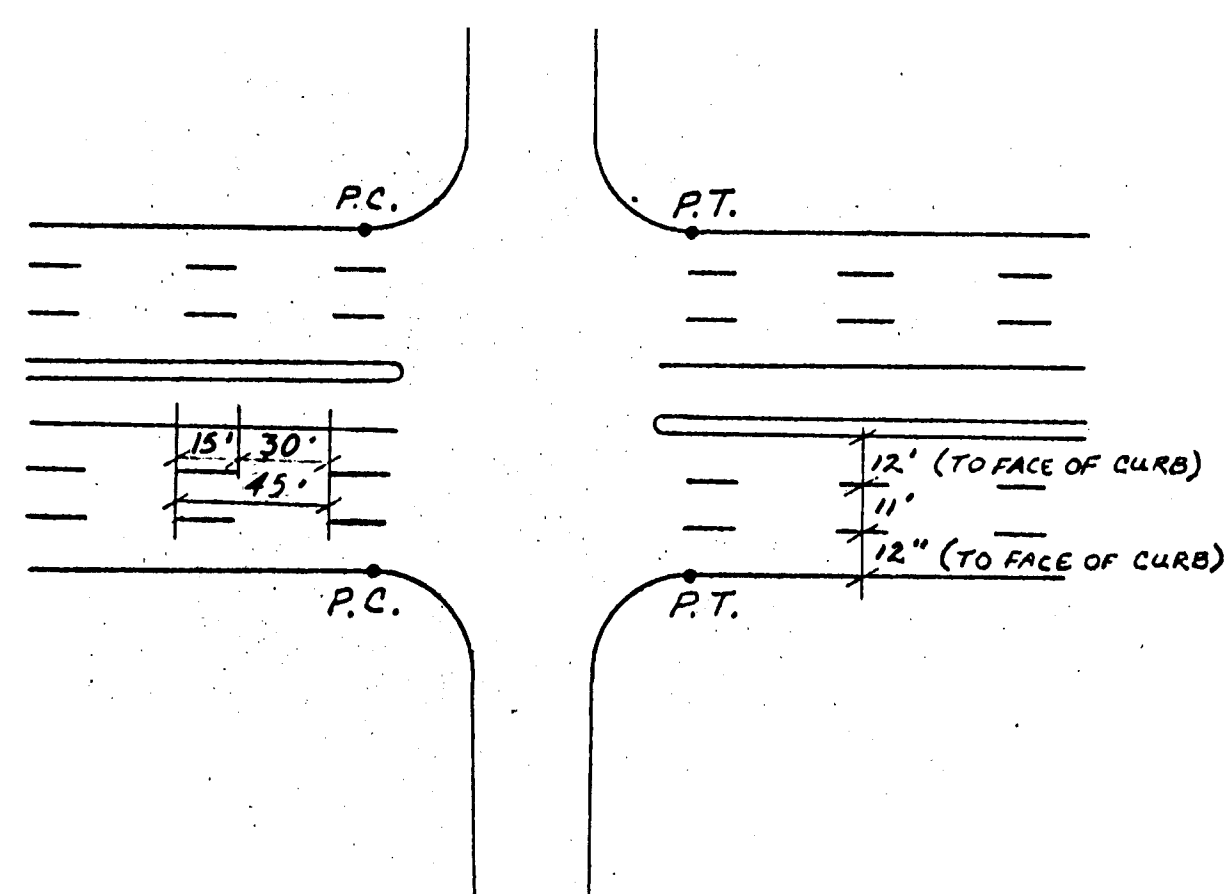
- NOTES**
1. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH CHAPTER VI OF THE 1978 EDITION "NEW MEXICO MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES."
  2. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE CITY TRAFFIC ENGINEER A DETAILED DETOUR PLAN, WHICH MUST BE APPROVED BY THE CONSTRUCTION CO-ORDINATION 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 THEREFOR 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  
1 2 3 4 5 6 7 8 9 10 11 12  
26 37721090

RECORD DRAWING  
Date: 8/29/90

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	Rog. Alvarado	8/28/90	Liquid Waste	A.W. Kame	11-7-90
ACE-Design	"	"	Traffic	B. Chubb	11-6-90
ACE-Hydrology	Amorin	11/2/90	Water	A.W. Kame	11-7-90
DRAWING NO. 3772		MAP NO.		SHEET 10 OF 21	
F.D.A. JOB NO. 933.81					





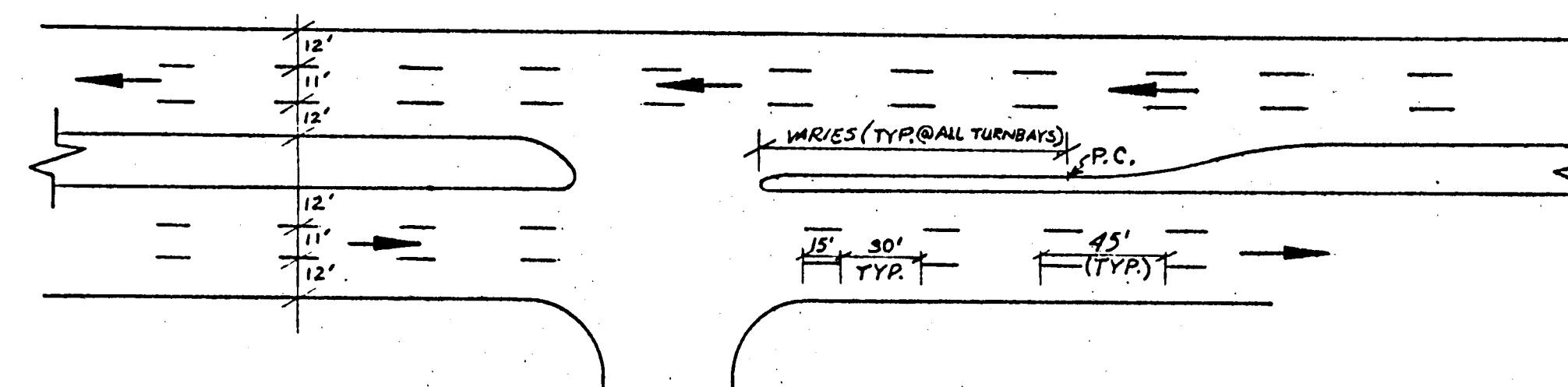
STRIPING PLAN FOR TYPICAL 4-WAY INTERSECTION

NOTES

LANING MATERIAL: 4" Wide - 90 M.I. 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



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

NOTE: Typical Street Striping Details

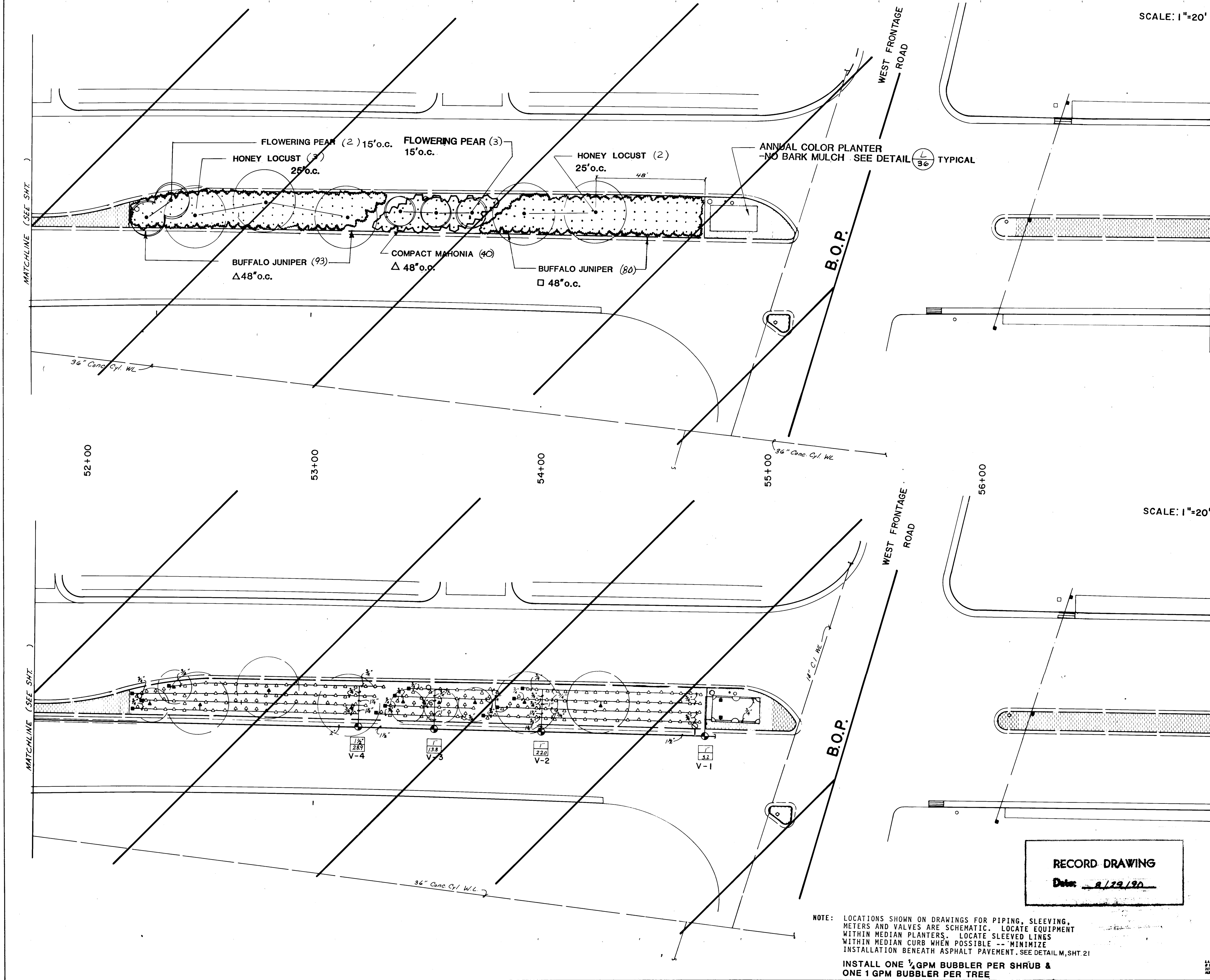
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
		FIELD NOTES				CONTRACTOR: <i>Universal</i>		
		NO.	BY	DATE			WORK	
						INSTRUMENT: <i>Fred Perry</i>	DATE: <i>90</i>	
						ACCEPTANCE BY: <i>G.S.</i>	DATE: <i>90</i>	
REVISIONS		NO.	DATE	REMARKS		FIELD		
						ACCEPTANCE BY: <i>F. Perry</i> DATE: <i>90</i>		
DESIGN						DRAWINGS		
						COURTESY: <i>G.S.</i> BY: <i>F. Perry</i> DATE: <i>90</i>		
DESIGNED BY						MICRO-FILM INFORMATION		
DRAWN BY						RECORDED BY		
E.L.O. DATE						DATE		
CHECKED BY						NO		
F.N.D. DATE								

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11	12
26		37	72	109	0A						

**RECORD DRAWING**  
Date: 8/19/90

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT				
TITLE: <b>MENAU BOULEVARD PH II - B MEDIAN RECONSTRUCTION &amp; LANDSCAPING TYPICAL STRIPING PLAN</b>				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer	<i>[Signature]</i>	<i>2/2/89</i>	Liquid Waste	<i>R. W. Kane</i>
A.C.B. Design	<i>1/1</i>	<i>1/1</i>	Traffic	<i>R. W. Kane</i>
A.C.E. Hydrology	<i>[Signature]</i>	<i>12/7/89</i>	Water	<i>R. W. Kane</i>
DRAWING NO.	3772		MAP NO.	
			SHEET	OF
			10A	21



SCALE: 1"=20'

SCALE: 1"=20'

CONSTRUCTION NOTES		AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
1. All median areas to be planted shall be excavated to a depth of 3 feet from top of curb including bench at curb. See typical median section sheet 2.1. Soil removed shall be disposed of in an approved landfill and shall not be reused in 10% or any other landscape project because of sterilization.		CONTRACTOR Universal		WORKED BY Fred Deary DATE 90		NO.		BY		DATE		DATE		DATE		DATE	
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.		INSPECTORS ACCEPTANCE BY G.S.		DATE 90		NO.		BY		DATE		DATE		DATE		DATE	
3. Prior to construction, the Contractor shall locate all existing utility lines. Damage to existing lines will be the responsibility of the Contractor.		VERIFICATION BY E. Deary DATE 90		COMPLETED BY E. Deary DATE 90		NO.		BY		DATE		DATE		DATE		DATE	
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.		MICRO-FILM INFORMATION		RECORDED BY NO		NO.		BY		DATE		DATE		DATE		DATE	
5. The Landscape Contractor shall visit the site and analyze existing conditions and scope of work prior to bid.						NO.		BY		DATE		DATE		DATE		DATE	
6. Access signs shall be supplied to all businesses by the Contractor. As directed by the Traffic Engineer, signs shall be installed to the Contractor.						NO.		BY		DATE		DATE		DATE		DATE	
PLANTING NOTES						NO.		BY		DATE		DATE		DATE		DATE	
1. Plants for annual color beds shall be installed by Owner and are not in this contract. Install irrigation in these areas as indicated.						NO.		BY		DATE		DATE		DATE		DATE	
2. Back fill for medians shall be 3 parts sandy loam, free of rocks greater than 1/2" 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.						NO.		BY		DATE		DATE		DATE		DATE	
3. All planted areas of medians shall contain 6" deep shredded bark mulch. Sample to be approved by Landscape Architect.						NO.		BY		DATE		DATE		DATE		DATE	
4. Trees shall be 5 feet minimum from back of curb.						NO.		BY		DATE		DATE		DATE		DATE	
5. Numbers of plants are estimates only. Contractor is responsible for plants shown on plan. See Sheet 2.1 for dimensions from curb for plants.						NO.		BY		DATE		DATE		DATE		DATE	
IRIGATION NOTES						NO.		BY		DATE		DATE		DATE		DATE	
1. At completion of the project, the Landscape Contractor shall coordinate the final controller program with the Bureau of Parks, Parks and Recreation Department, City of Albuquerque.						NO.		BY		DATE		DATE		DATE		DATE	
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 40 PSI or greater). Pressure at each irrigation head shall equal minimum of 20 PSI.						NO.		BY		DATE		DATE		DATE		DATE	
3. Pipe locations of mains, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each item on site in median.						NO.		BY		DATE		DATE		DATE		DATE	
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 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
5. All piping shall be sleeved under all pavement in 4" class 200 PFC pipe. 24 volt wires shall be sleeved in 1 1/2" class 200 PFC pipe.						NO.		BY		DATE		DATE		DATE		DATE	
6. 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 gas bubbler for each tree, 24" from the center of the tree on the uphill side.						NO.		BY		DATE		DATE		DATE		DATE	
IRRIGATION LEGEND						NO.		BY		DATE		DATE		DATE		DATE	
Water Meter - Rockwell Sealed Register Meter sized as shown on plan. Detail. Rockwell Sealed Register meter meter sized as shown on plan. Top and Installation by City of Alb. (see drawing 2543 City contract documents) and coordination are the responsibility of the Contractor. W/Customer Service Dept. Ph: 505-768-2800						NO.		BY		DATE		DATE		DATE		DATE	
Controller - Rain Bird EC Independent Station Computer Controller. Controller shall be housed in a concrete vault 36" x 36" x 48" high. By Materials Inc. - Curbak Electronics, Inc. - freeze sensor shall be included. Controller also as shown on plan and as noted in Controller / Valve Legend - Sheet						NO.		BY		DATE		DATE		DATE		DATE	
Master Valve Assembly - See Detail 1 1/2" 4" Assembly includes and follows:						NO.		BY		DATE		DATE		DATE		DATE	
1. Rain Bird EFA-CP 200 Brass Electric - 2"						NO.		BY		DATE		DATE		DATE		DATE	
2. Rain Bird Pressure Vacuum Breaker - PVB-200-2"						NO.		BY		DATE		DATE		DATE		DATE	
3. King Automatic Drain						NO.		BY		DATE		DATE		DATE		DATE	
4. Hammond HV-567 Brass Gate Valve - 2"						NO.		BY		DATE		DATE		DATE		DATE	
Remote Control Valve - Rain Bird R2 Series - See Detail 1 1/2" 4" Size as shown on plan						NO.		BY		DATE		DATE		DATE		DATE	
Automatic Drain - King Auto Drain - Locate as shown on plan. See Detail 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Detail 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
Pressure Compensating Full Circle Bubbler - Rain Bird 1801 - 1/4" ODN - 1 per shrub, 12" from center of shrub on up hill side. See Detail 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
Pressure Compensating Full Circle Bubbler - Rain Bird 1804 - 1" ODN - 1 per tree, 24" from center of tree on up hill side. See Detail 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
12" Pop-Up Spray Head - 8 - Rain Bird 1812 or B120 nozzle (pat. 28, radius = 10', gpm = .40, p/r = 1.54). See Detail 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
12" Pop-Up Spray Head - 8 - Rain Bird 1812 or B120 nozzle (pat. 28, radius = 10', gpm = .40, p/r = .94). See Detail 1 1/2" 4"						NO.		BY		DATE		DATE		DATE		DATE	
Inverted Garden Valve - Champion L-40 at 18" below finish grade in Base & Hayes 3' P valve box.						NO.		BY		DATE		DATE		DATE		DATE	
Schedule 40 PWD Main Line - 36" bury, also as shown on plan.						NO.		BY		DATE		DATE		DATE		DATE	
Schedule 40 PWD Lateral Line - 18" bury, size as shown on plan.						NO.		BY		DATE		DATE		DATE		DATE	
Class 200 PFC Sleeve - place under all paving.						NO.		BY		DATE		DATE		DATE		DATE	
C of A PWD Maps & Records						NO.		BY		DATE		DATE		DATE		DATE	
26 3 7 2 1 1 9 0						NO.		BY		DATE		DATE		DATE		DATE	

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>[Signature]</i>	12/7/09	Liquid Waste	<i>R.W. Kone</i>	12-7-09
A C E - Design	<i>[Signature]</i>		Traffic	<i>R. Brown</i>	12-6-09
A C E - Hydrology	<i>[Signature]</i>	12/7/09	Water	<i>R.W. Kone</i>	12-7-09
Parks & Recreation	<i>[Signature]</i>	12-6			
DRAWING NO.	3772	MAP NO.	H-15	SHEET	OF 11 21

**RECORD DRAWING**  
Date: 8/23/90

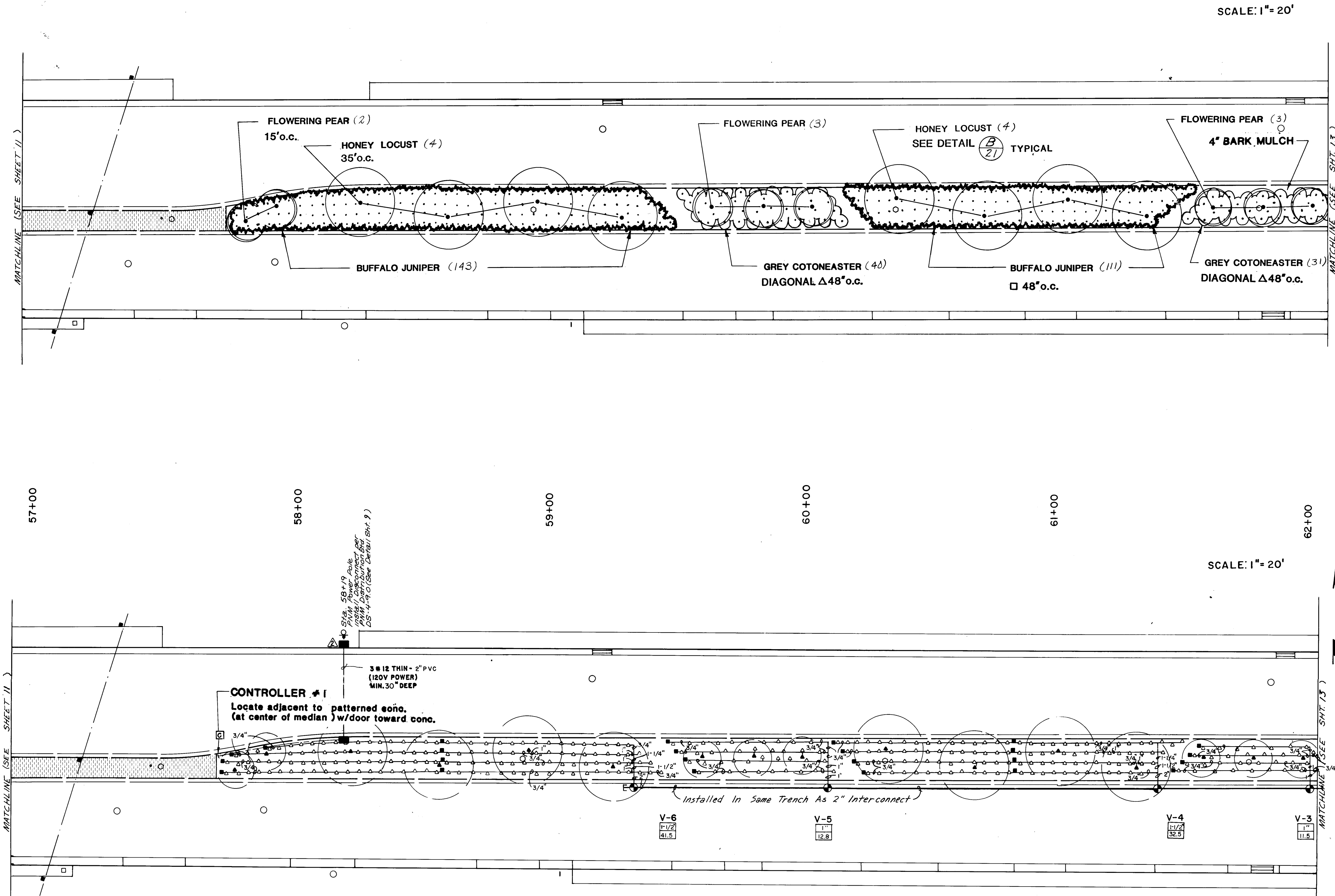
NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVING LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

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



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>R. W. Kane</i>	<i>12/1/90</i>	Liquid Waste	<i>R. W. Kane</i>	<i>12-7-90</i>
A.C.E. - Design	<i>"</i>	<i>"</i>	Traffic	<i>R. W. Kane</i>	<i>12-6-90</i>
A.C.E. - Hydrology	<i>"</i>	<i>12/1/90</i>	Water	<i>R. W. Kane</i>	<i>12-7-90</i>
Parks & Recreation	<i>PKR</i>	<i>12-6</i>			
DRAWING NO.	3772	MAP NO.	H-15	SHEET	11 OF 21





SCALE: 1" = 20'

SCALE: 1" = 20'

- CONSTRUCTION NOTES**
1. 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.
  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 medium fill to 100% 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 smaller 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 85 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 above are schematic. Locate each item 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 (B) (21).
  5. All piping shall be covered under all pavement in 8" 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**

- (M) Water Meter - Rockwell Sealed Register Meter sized as shown on plan. Total, Rockwell Sealed Register water meter sized as shown on plan. Tap and installation by City of Alb. (see drawing 2363 City contract documents) cost and coordination are the responsibility of the Contractor. W/Owner Service Dept. PA 505-765-2800
- (C) Controller - Rain Bird ISC Independent Station Computer Controller. Controller shall be housed in a concrete vault 18" high, 18" wide, 18" deep. No Materials Inc., Current Electronics, Inc., freeze sensor shall be included. Controller size as shown on plan and as noted in Controller / Valve Legend - Sheet 21.
- (V) Master Valve Assembly - See Detail (B) (21). Assembly includes and following:
1. Rain Bird EFA-CP 200 Brass Electric - 2"
  2. Rain Bird Pressure Vacuum Breaker - PVB-200-R
  3. King Automatic Drain
  4. Hammond HW-487 Brass Gate Valve - 2"
- (A) Remote Control Valve - Rain Bird PC Series - See Detail (B) (21). Size as shown on plan. Valve Size 2" or 1 1/2".
- (K) Automatic Drain - King Auto Drain - Locate as shown on plan. See Detail (B) (21).
- (M) Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Details (B) (21).
- (P) 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).
- (P) 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).
- (S) 1/2" Pop-Up Spray Head - H - Rain Bird 1812 w/ 1/2" nozzle (jet = 30', radius = 10', gpm = .80, p/r = 1.50). See Detail (B) (21).
- (S) 1/2" Pop-Up Spray Head - G - Rain Bird 1812 w/ 1/2" nozzle (jet = 30', radius = 10', gpm = .80, p/r = .50). See Detail (B) (21).
- (I) Inverted Garden Valve - Champion 1-40 at 18" below finish grade in Base & Hayes 34 3 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 plan.
- Class 200 PVC Sleeve - place under all paving.
- (E) Electrical Pullbox - For Irrigation. See Detail SHT. 9.

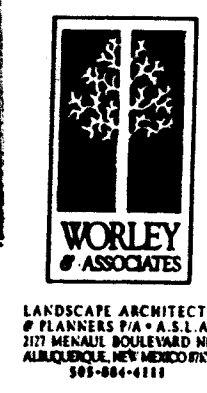
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
TITLE: MENAUL BOULEVARD NE. PH II-B  
MEDIAN RECONSTRUCTION & LANDSCAPING  
LANDSCAPING & IRRIGATION

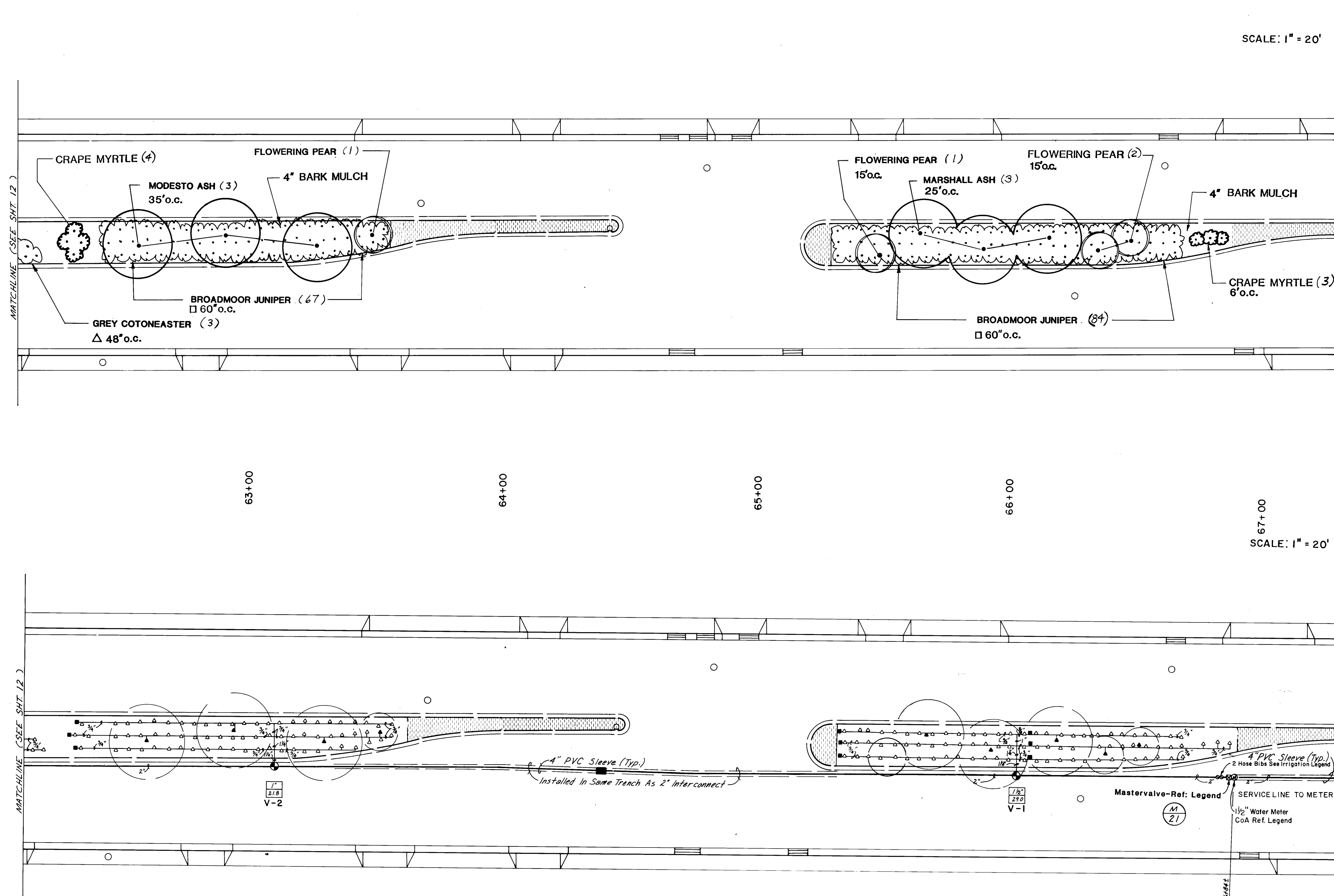
APPROVALS			APPROVALS		
City Engineer	ENGINEER	DATE	Liquid Waste	ENGINEER	DATE
A.C.E.-Design	<i>[Signature]</i>	12/10/90	Traffic	<i>[Signature]</i>	12-1-90
A.C.E.-Hydrology	<i>[Signature]</i>	11/5/90	Water	<i>[Signature]</i>	12-7-89
Parks & Recreation	<i>[Signature]</i>	12-6			
DRAWING NO.			SHEET OF		
3772			12 21		
MAP NO.			H-15		
DESIGNED BY			DRAWN BY		
CHECKED BY			DATE		

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

RECORD DRAWING  
Date 8/29/90



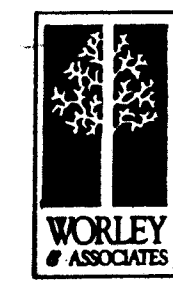


**NOTE:** LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

**INSTALL ONE ¼ GPM BUBBLER PER SHRUB &  
ONE 1 GPM BUBBLER PER TREE**

RECORD DRAWING

Date: 8/29/90




### CONSTRUCTION NOTES

1. 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 #1. Soil removed shall be disposed of in a legal manner and shall not be reused. In this or any other landscape project because of storage of materials, the Contractor shall be responsible for the removal of all materials.
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 top of curb and the back of curb and shall not be removed. Membrane to be installed according to manufacturer's specifications and recommendations.
3. Prior to construction, the Contractor shall locate all existing utilities and any existing lines will be the responsibility of the Contractor.
4. Adjustments in layout of landscape features as required to meet relations between the plan dimensions/graphics and actual field conditions shall be made on 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. Signs directed by the Traffic Engineer, signs shall be incidental to the project.

### 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. Bank fill for medians shall be 3 parts sand/lean, free of rocks greater than 1" diameter, debris, vegetation and trash. Material shall be approved by Landscape Architect, and 1 part ground bank mulch. Compact modified fill to Natural Density as determined by Engineer.
3. All areas of 10' or more of median shall contain 8" deep shredded mulch. Sample to be approved by Landscape Architect.
4. Trees shall be 5 feet minimum from border 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. If water system at top of hill (pressure is assumed to be 65 PSI or greater). Pressure at each irrigation head shall equal minimum of 30 PSI.
3. Plan locations of mains, laterals, master valves, irrigation valves, and sleeves are schematic. Locate each item on site.
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 
5. All piping shall be sleeved under all pavement in 4" class pipe. 2" wall valves shall be sleeved in 1 1/2" class pipe. 200 PVC pipe.
6. 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 1/2" gas 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. **Tag and Installation** by City of Atlanta. See drawing 2365 City contract. **Documentation:** note and coordination are the responsibility of the Contractor. **W/Customer Service Dept. Ph: 508-748-2300**
- Controller** - Rain Bird **Independent Station Computer** **Control** - Rain Bird Controller shall be housed in a concrete vault **PMSC** **shelf** as mfg. by **Nortelco Inc.** **Current Electronics, Inc.** **Register sensor** shall be included. **Controller** size as shown on plans and as noted in **Material** and **Valve Legend** - **Sheet 21.**
- Master Valve Assembly** - See Detail **(A)**
- Assembly includes and following:**
- 1. Rain Bird **EPA-CP 200 Brass Electric** - **2"**
  - 2. Rain Bird **Pressure Vacuum Breaker** - **PVB-200"**
  - 3. King Automatic **Drain** - **2"**
  - 4. Hammond **HY-667 Brass Gate Valve** - **2"**
- Remote Control Valve** - Rain Bird **PE Series** - See Detail **(B)**
- Size as shown on plans **1/2" PE Valve Size**
- Automatic Drain** - King Auto Drain - Locate as shown on plans. See Detail **(A)**
- Manual Drain** - Locate in field on mainline after each master valve (low point) in city control of shutoff after electric valve. See Detail **(B)**
- Pressure Compensating Full Circle Bubbler** - Rain Bird **1900 - 1/4" ORN** - 1 per shurb, 12" from center of shurb on up hill side. See Detail **(A)**
- Pressure Compensating Full Circle Bubbler** - Rain Bird **1900 - 3/8"** - 1 per area, 24" from center of tree on up hill side. See Detail **(A)**
- 12" Pad-to-Bury Head** - **R** - Rain Bird **1812** or **3125** nozzle (pad to pad, radius = 10', gpm = .80, psi = 1.54). See Detail **(A)**
- 12" Pad-to-Bury Head** - **R** - Rain Bird **1812** or **3125** nozzle (pad to pad, radius = 10', gpm = .80, psi = 1.54). See Detail **(A)**
- Buried Garden Valve** - Champion **1-80** at 18" below finish grade in **Bass & Hayes** **30'** valve box.
- 2 in Single Bur** locate in line immediately after Master Valve.
- Schedule 80 PVC Rain Line** - 36" bury, size as shown on plans.
- Schedule 80 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 &amp; Records

2	3	4	5	6	7	8	9	10	11
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	<i>Ryan J. Kane</i>	12/2/07	Liquid Waste	<i>R.W. Kane</i>	12-3-07
A.C.E. - Design	"	"	Traffic	<i>R. Kane</i>	12-6-07
A.C.E. - Hydrology	<i>Ellen</i>	12/7/07	Water	<i>R.W. Kane</i>	12-7-07
Parks & Recreation	<i>Ellen</i>	12-6			

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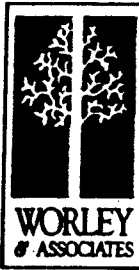




**NOTE:** LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

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

Date: 8/29/90



LANDSCAPE ARCHITECTS  
P PLANNERS P/A • A.S.  
2127 MENAUL BOULEVARD  
ALBUQUERQUE, NEW MEXICO  
505-884-4111

**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 gravel. Compact combined fill 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.

### IRIGATION NOTES

1. At completion of the project, the Landscape Contractor shall submit a final controller program with RainSense, Merisimo, 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 of grade. It is assumed to be 60 PSI or higher. Pressure at each Irrigation head shall equal minimum of 30 PSI.

3. Plan locations of meters, main lines, master valves, irrigator heads, and sleeves are schematic. Locate each item on site as indicated.

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 of the main line.

5. All piping shall be installed under all percent in 8" class 200 PVC pipe. 24" wall valves shall be sleeved in 1 1/2" class 200 PVC pipe.

6. There shall be one 1/4" gas bubbler for each shrub 12" to 18" high and one 1/2" gas bubbler for each shrub 18" to 24" high. There shall be one 1" gas bubbler for each tree 24" from the center of the tree to the trunk.

(M) **Water Meter** - Rockwell Sealed Register Meter sized as shown on plan. 3 Total. Rockwell Sealed Register Meter sized as shown on plan. Tap 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

(H)

(C) **Controller** - Rate Bird 130 Independent Station Computer Controller. Controller shall be housed in a concrete vault, 18"x18"x24" as mfg. by Materials Inc.. Current Electronics, Inc., Pressure sensor shall be included. Controller - size as shown on plans and as noted in Controller / Valve Legend - Sheet 21.

☒ Master Valve Assembly - See Detail C M  
Assembly includes and following:

1. Rain Bird EFA-CP 200 Brass Electric - 2"
2. Rain Bird Pressure Vacuum Breaker - PVB-200-R
3. King Automatic Drain
4. Hammond HV-657 Brass Gate Valve - 2"

Remote Control Valve - Rain Bird PE Series - See Detail (D 21)  
Size as shown on plan: 

N
N N

 Valve Size  
GPM

■ Automatic Drain - King Auto Drain - Locate as shown on plans.  
See Detail (H)

Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Details (E) (M)

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 (21)

▲ Pressure Compensating Full Circle Bubbler - Rain Bird 1404 - 1  
Elev - 1 per tree. 24" from center of tree on up hill side.

See Detail (2)

12" Pop-Up Spray Head - N - Rain Bird 1812 w/ B12H nozzle (psl =

20, radius =  $10^1$ , gpm = .80, p/r = 1.54). See Detail 21

12" Pop-Up Spray Head - Q - Rain Bird 1812 w/ B120 nozzle (psi = 50, radius =  $10^1$ , gpm = .80, p/r = 1.54). See Detail 21

Inverted Garden Valve - Champion I-40 at 16" below finish grade

Schedule 40 PVC Main Line - 36" bury, size as shown on plans.

———— Schedule 80 PVC Lateral Line - 18" bury, size as shown of plan.

== Class 200 PVC Sleeve - place under all paving.

### Code A PWD Maps & Records

	2	3	4	5	6	7	8	9	10	11	12
26	3	7	7	2	1	4	9	0			

CITY OF ALBUQUERQUE

PUBLIC WORKS DE

TITLE: **MENAIL BOULEVA**  
**MEDIAN RECONSTRUCTION**

[illegible]

APPROVALS	ENGINEER	DATE	APPRO
City Engineer	<i>Rogers</i>	12/2/07	Liquid We

A.C.E. - Design	0 11	6	Traffic
A.C.E. - Hydrology	<i>[Signature]</i>	12/7/89	Water

Parks & Recreation	10-10	13-6	
DRAWING	MAP NO.		

NO.	3772	H-15
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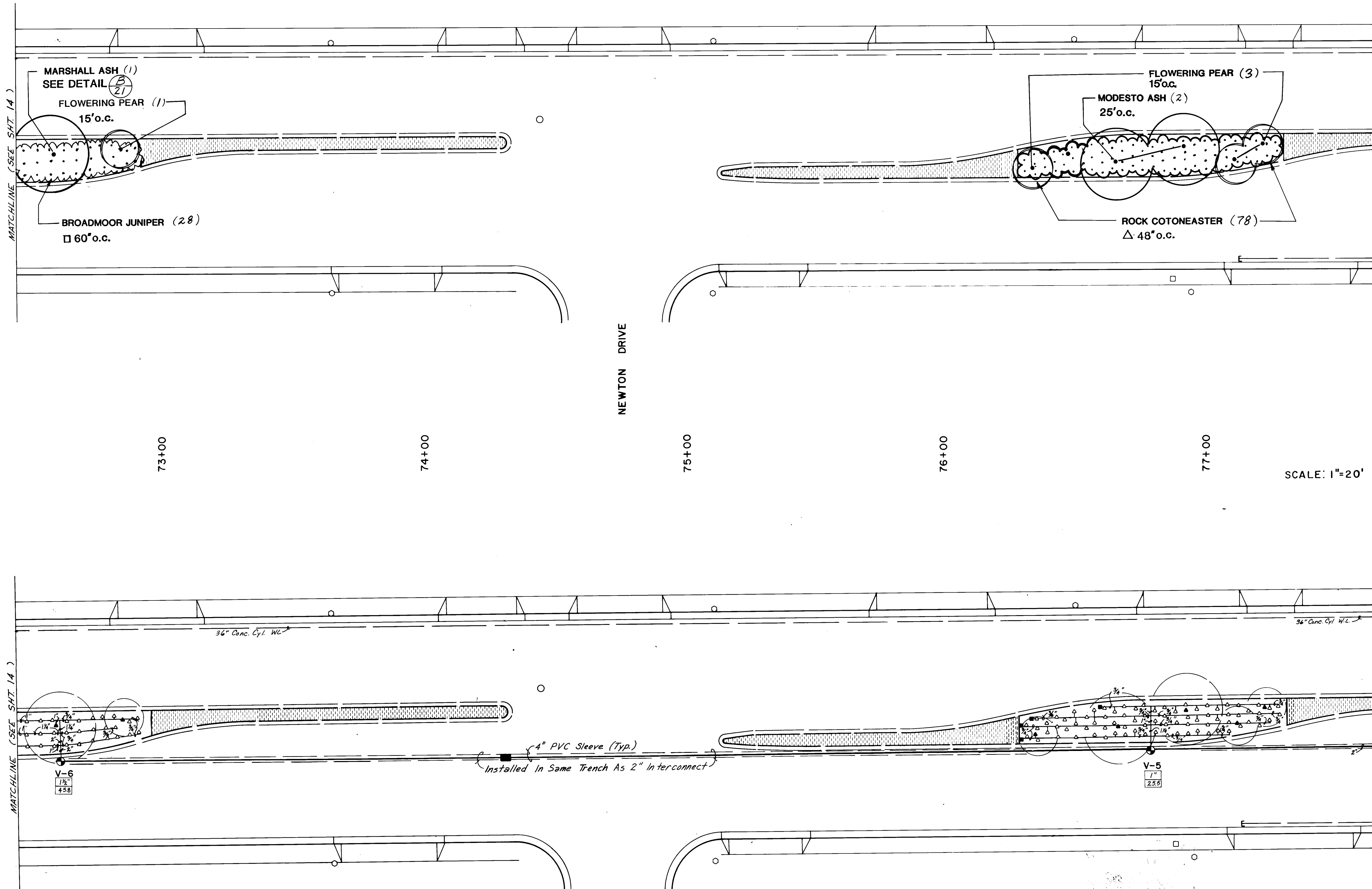
CONTRACTOR	<i>Universal</i>
WORK STARTED BY	<i>Fred Penny</i> DATE <i>90</i>
INSPECTORS	DATE <i>90</i>
FIELD VERIFICATION BY	<i>F. Penny</i> DATE <i>90</i>
CORRECTED BY	<i>F. Penny</i> DATE <i>90</i>
<b>MICRO-FILM INFORMATION</b>	
RECORDED BY	DATE
NO.	

[illegible][illegible][illegible][illegible][illegible]

			Z			DE	DR	CH
JE ARTMENT								
RD NE PH II-B LANDSCAPING TION								
S	ENGINEER						DATE	
	<i>R.W. Kane</i>						<i>12-7-89</i>	
	<i>K. Gunk</i>						<i>12-6-89</i>	
	<i>R.W. Kane</i>						<i>12-7-89</i>	

SHEET 14 OF 21

F.D.A. JOB NO. 931.31

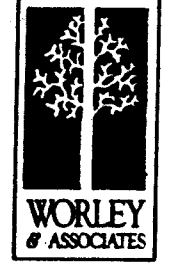


NOTE: LOCATIONS SHOWN ON DRAWINGS FOR PIPING, SLEEVING, METERS AND VALVES ARE SCHEMATIC. LOCATE EQUIPMENT WITHIN MEDIAN PLANTERS. LOCATE SLEEVED LINES WITHIN MEDIAN CURB WHEN POSSIBLE -- MINIMIZE INSTALLATION BENEATH ASPHALT PAVEMENT. SEE DETAIL M, SHT. 21

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

RECORD DRAWING

Date: 8/29/90



**CONSTRUCTION NOTES**

1. 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.
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 under 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.
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.

**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 60 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 item on site in medians.
4. 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 (H) (I).
5. All piping shall be sleeved under all pavement in 8" class 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 Meter sized as shown on plan. Total. Rockwell Sealed Register water meter sized as shown on plan. Tap and installation by City of Alb. (See drawing 2313 City contract documents) and maintenance are the responsibility of the Contractor. W/ Customer Service Dept. Ph. 505-768-2800
- ⊕ Controller - Rain Bird VSC Independent Station Computer Controller. Controller shall be housed in a concrete vault (VSC-100) as mfg. by Materials Inc.. 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 (H) (I). Assembly includes and follows:
  1. Rain Bird 874-CP 200 Brass Electric - 2"
  2. Rain Bird Pressure Vacuum Breaker - PVB-200-2"
  3. King Automatic Drain
  4. Hammond HV-607 Brass Gate Valve - 2"
- ⊕ Remote Control Valve - Rain Bird VC Series - See Detail (H) (I). Size as shown on plan:
 

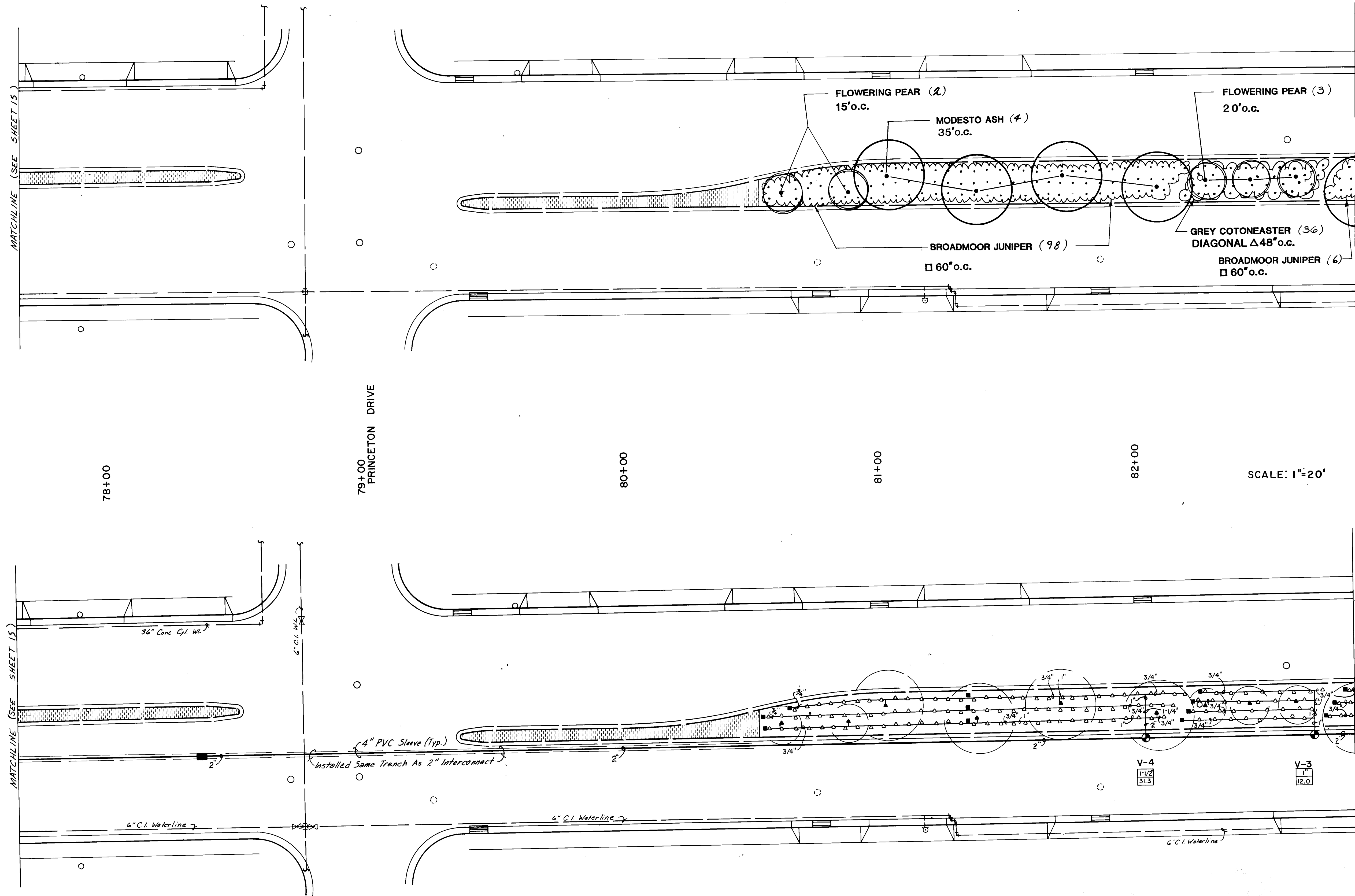
Valve Size	2"
CV	2"
- ⊕ Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (H) (I).
- ⊕ Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Detail (H) (I).
- ⊕ Pressure Compensating Full Circle Bubbler - Rain Bird 1801 - 1/4" DN - 1 per shrub, 12" from center of shrub on up hill side. See Detail (H) (I).
- ⊕ Pressure Compensating Full Circle Bubbler - Rain Bird 1808 - 1" DN - 1 per tree, 24" from center of tree on up hill side. See Detail (H) (I).
- ⊕ 12" Pop-Up Spray Head - H - Rain Bird 1812 w/ 3/16" nozzle (pat = 20, radius = 10', gpm = .80, p/r = 1.54). See Detail (H) (I).
- ⊕ 12" Pop-Up Spray Head - G - Rain Bird 1812 w/ 3/16" nozzle (pat = 20, radius = 10', gpm = .80, p/r = .54). See Detail (H) (I).
- ⊕ Inverted Garden Valve - Champion I-40 at 18" below finish grade in Base & Keyes 34 D valve box.
- Schedule 80 PVC Main Line - 56" bury, size as shown on plans.
- Schedule 80 PVC Lateral Line - 18" bury, size as shown of plan.
- Class 200 PVC Sleeve - place under all paving.
- ⊕ Electrical Pull Box - For Irrigation See Detail SHT 9

City of Albuquerque Maps & Records  
26 3 7 7 2 1 5 9 0

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT			
TITLE: <b>MENAU BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION &amp; LANDSCAPING LANDSCAPING &amp; IRRIGATION</b>			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>Roger Green</i>	12/7/90	Liquid Waste
A.C.E.-Design	11	12/6/90	Traffic
A.C.E.-Hydrology	<i>W. Kame</i>	12/7/90	Water
Parks & Recreation	<i>W. Kame</i>	12/7/90	
DRAWING NO.	3772	MAP NO.	H-15, H-16
SHEET	15	OF	21

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	Universal	NO	DATE	NO	DATE		
WORK STARTED BY	Frederick Denny	NO	DATE	NO	DATE	NO. DATE REVISIONS DESIGN DESIGNED BY DRAWN BY CHECKED BY	
ACCEPTANCE BY	G.S.	NO	DATE	NO	DATE		
FIELD INSPECTION BY	F. Denny	NO	DATE	NO	DATE		
CORRECTED BY	F. Denny	NO	DATE	NO	DATE		
RECORDED BY		NO	DATE	NO	DATE		





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

RECORD DRAWING

Date: 8/29/90



**CONSTRUCTION NOTES**

1. 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.
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 1/2" diameter, debris, vegetation (sample shall be approved by Landscape Architect), and 1 part ground bark mulch. Compact medium fill to Natural Density as determined by Engineer.
3. All planted areas of medians shall contain 4" deep shaded 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 diameters from curb for plants.

**IRRIGATION NOTES**

1. At completion of the project, the Landscape Contractor shall coordinate the final controller program with Albuquerque, 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 peak (pressure is assumed to be 40 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 item on site in medians.
4. 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 (E) (F).
5. 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.
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.

**AS BUILT INFORMATION**

CONTRACTOR	UNIVERSAL
DATE	90
INSPECTOR	DATE
FIELD	DATE
VERIFICATION BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

## 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/Customer Service Dept. Ph. 505-764-2800. (A)
- Controller - Rain Bird 300 Independent Station Computer Controller. Controller shall be housed in a concrete vault 18" x 18" x 18" as mfg. by Materials Inc.. Current Electronics, Inc.. Pressure sensor shall be included. Controller size as shown on plans and as noted in Controller / Valve Legend - Sheet 21. (B)
- Water Valve Assembly - See Detail (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

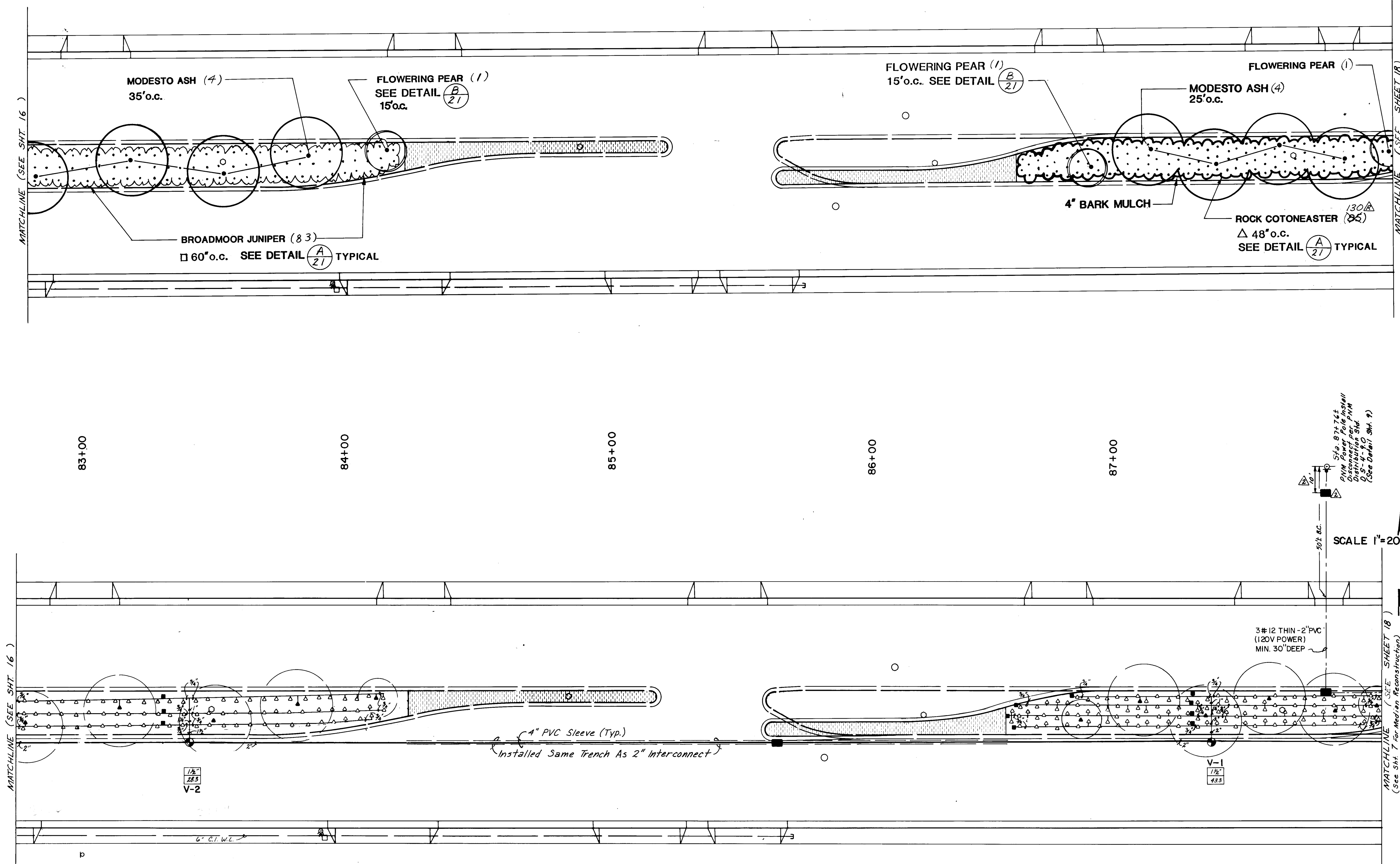
26 3/7/21/6/90

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT

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

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	"	"	Traffic	R. W. Kane	12-6-89
A.C.E.-Hydrology	"	12/7/89	Water	R. W. Kane	12-7-89
Parks & Recreation	"	12/7/89			

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



SCALE: 1"=20'

MATCHLINE (SEE SHEET 18)

SCALE: 1"=20'

MATCHLINE (SEE SHEET 18)

## CONSTRUCTION NOTES

1. 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.
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 1/2" diameter, debris, vegetation and brush (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 shaded 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 Indianapolis, Indiana, 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 40 PSI or greater). Pressure at each irrigation head shall equal minimum of 20 PSI.
3. Fine 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 6" 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" gas bubbler for each shrub 12" from the center of each plant on the uphill side of the plant, and one 1/2" gas 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 Alb. (see drawing 236) City contract documents; cost and coordination are the responsibility of the Contractor. w/Customer Service Dept. PH 505-768-2800.
- Controller - Rain Bird 1200 Independent Station Computer Controller. Controller shall be housed in a concrete vault (PVC) vault as shown on plan. w/Customer Service Dept. PH 505-768-2800.
- Master Valve Assembly - See Detail A-21. Assembly includes and follows:
  1. Rain Bird EPA-CP 200 Brass Electric - 2"
  2. Rain Bird Pressure Vacuum Breaker - PVB-200-2
  3. King Automatic Drain
  4. Hammond HV-807 Brass Gate Valve - 2"
- Remote Control Valve - Rain Bird VC Series - See Detail A-21. Size as shown on plan.
- Automatic Drain - King Auto Drain - Locate as shown on plan. 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" BW - 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" BW - 1 per tree, 24" from center of tree on up hill side. See Detail A-21.
- 12" Pop-Up Spray Head - Rain Bird 1812 w/ 3/16" nozzle (gal = 25, radius = 10', gpm = .30, p/r = 1.54). See Detail A-21.
- 12" Pop-Up Spray Head - Rain Bird 1812 w/ 3/16" nozzle (gal = 25, radius = 10', gpm = .30, p/r = .54). See Detail A-21.
- Inserted Garden Valve - Champion 1-40 at 18" below finish grade in Base & Hips 24" B 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.

City of A PWD Maps &amp; Records

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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

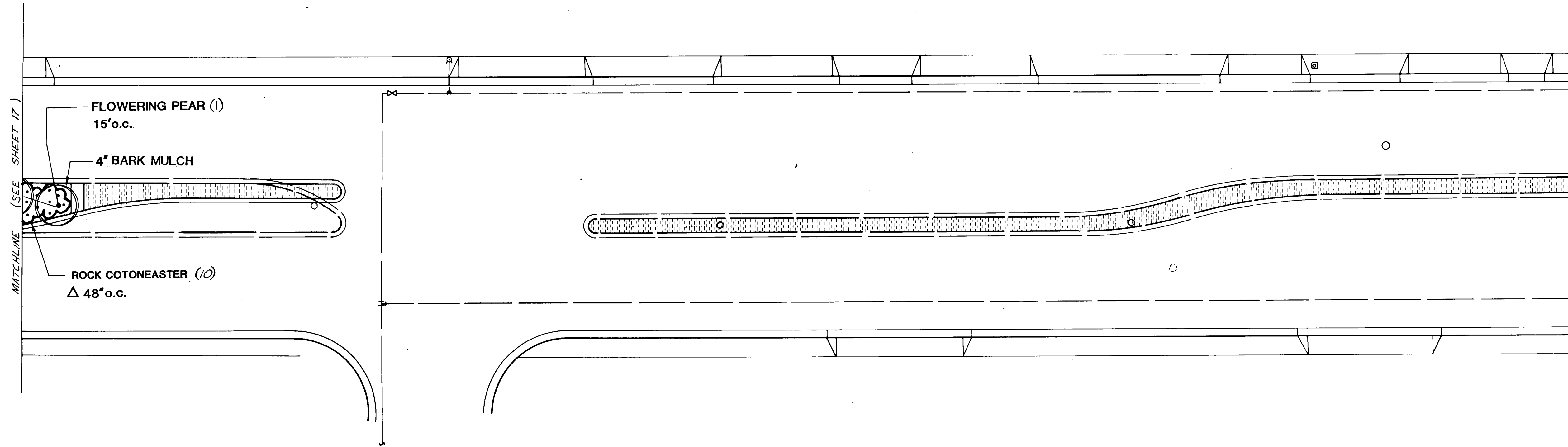
Date: 8/29/90



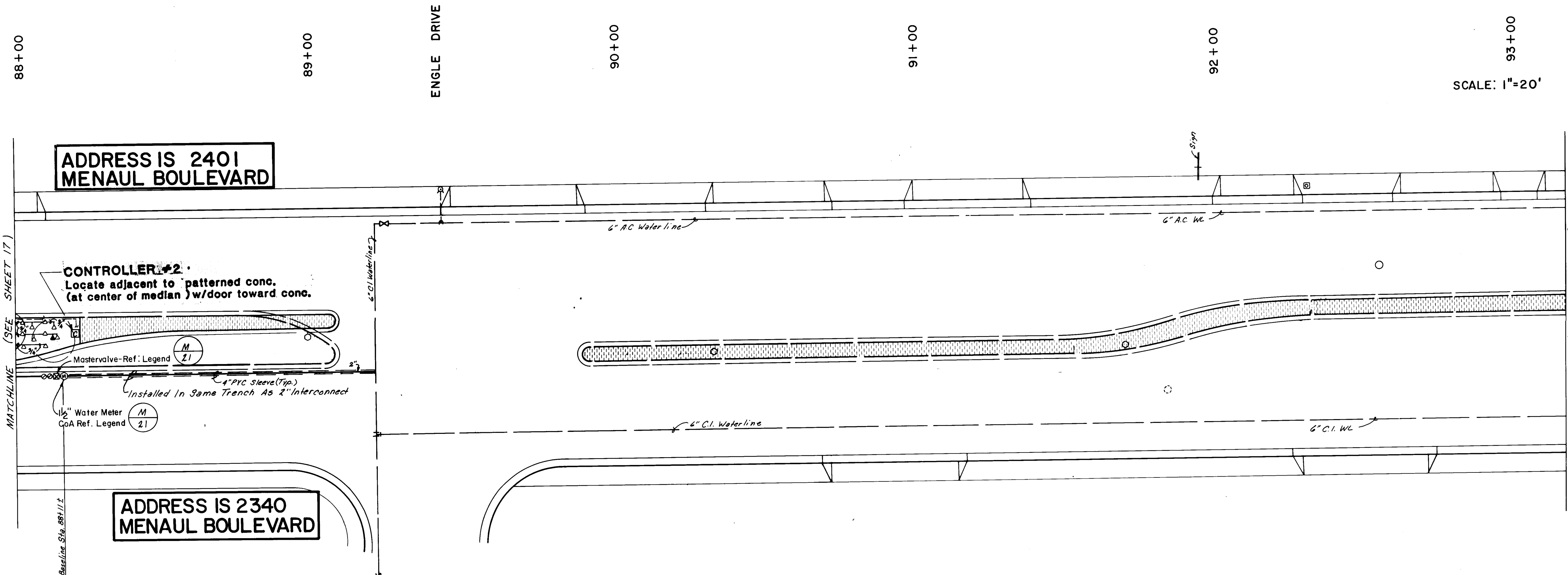
LANDSCAPE ARCHITECTS  
PLANNING, ENGINEERING, & CONSTRUCTION SERVICES  
100-000-0111

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	R. W. Kane	12/7/89	Liquid Waste	R. W. Kane	12/7/89
A.C.E. - Design	II	12/7/89	Traffic	R. W. Kane	12/7/89
A.C.E. - Hydrology	II	12/7/89	Water	R. W. Kane	12/7/89
Parks & Recreation	II	12/7/89			
DRAWING NO.	3772	MAP NO.	H-16	SHEET	17 OF 21
DESIGNED BY: T.J.M./E.L.O. DATE: 8/29/90					
DRAWN BY: T.J.M./E.L.O. DATE: 8/29/90					
CHECKED BY: DATE: 8/29/90					





SCALE: 1"=20'



SCALE: 1"=20'

1. 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 the project 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 round water beds shall be installed by Owner and are not in this contract. Install irrigation in these areas as indicated.
2. Back fill for median 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 good bark mulch. Compact combined fill to Natural Density as determined by Engineer.
3. All planted areas of median shall contain 3" 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 Albuquerque 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 of pressure is assumed to be 60 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 item on site in medians.
4. 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 (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

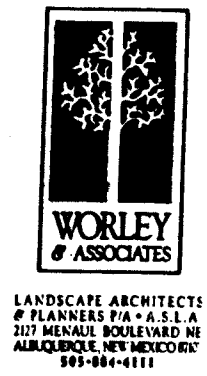
IRRIGATION LEGEND

- Water Meter - Rockwell Sealed Register Meter sized as shown on plan. 3" total. Rockwell Sealed Register Meter sized as shown on plan. Top and Installation by City of Alb. (See drawing 2363 City contract documents) not and coordination are the responsibility of the Contractor, w/ Customer Service Dept. Ph. 505-768-2800.
- Controller - Rain Bird 100 Independent Station Computer Controller. Controller shall be housed in a concrete vault (PVC) 18" x 18" x 18" w/ 1/2" thick concrete. Current Electronics, 1000. 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 (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

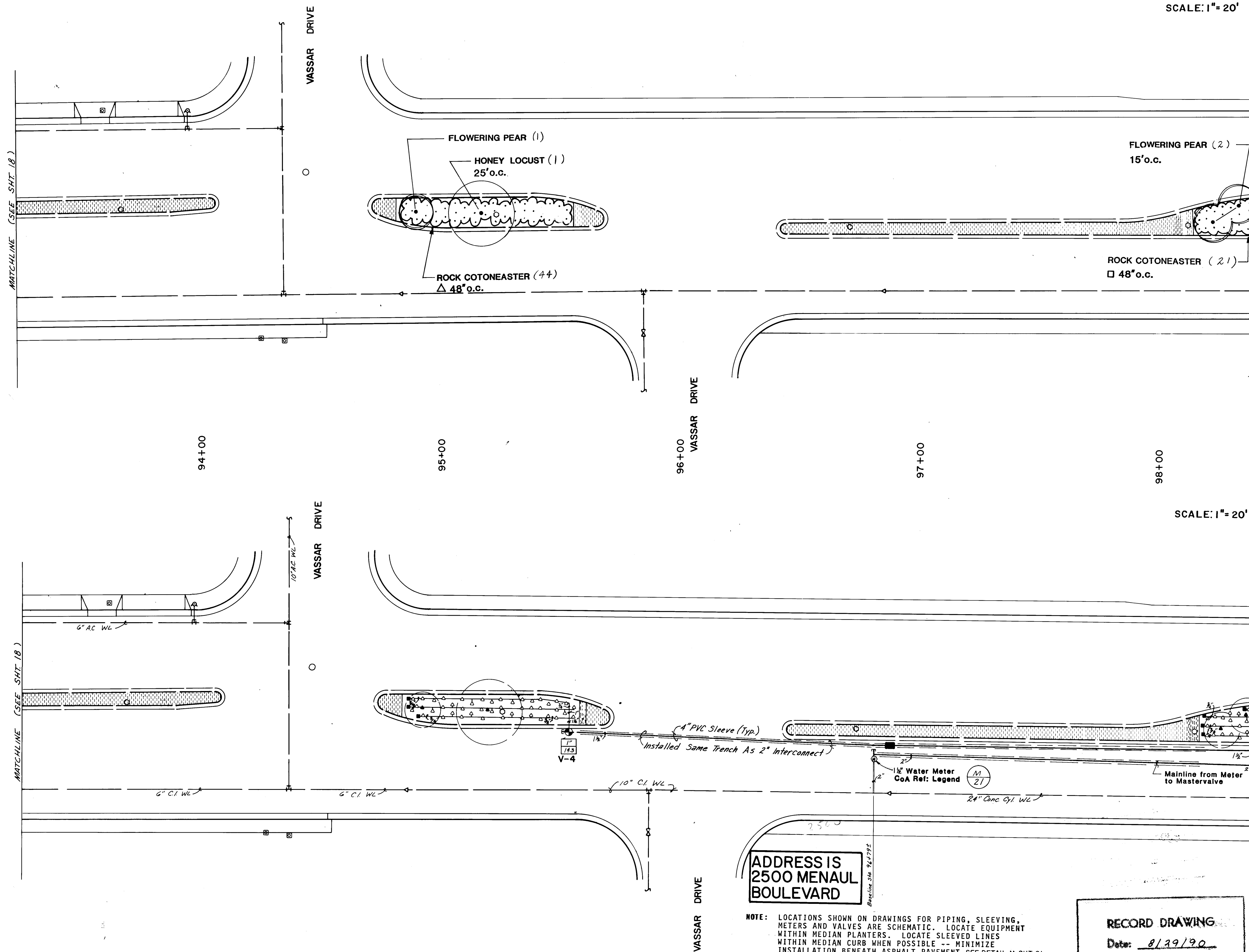
City of A PWID Maps & Records  
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE: MENAUL BOULEVARD NE. PH II-B MEDIAN RECONSTRUCTION & LANDSCAPING LANDSCAPING & IRRIGATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Rogelio Lopez</i>	12/17/09	Liquid Waste	<i>R.W. Kane</i>	12/17/09
A.C.E.-Design	<i>T. H. H. H.</i>	12/17/09	Traffic	<i>R.W. Kane</i>	12/17/09
A.C.E.-Hydrology	<i>T. H. H. H.</i>	12/17/09	Water	<i>R.W. Kane</i>	12/17/09
Parks & Recreation	<i>T. H. H. H.</i>	12/17/09			
DRAWING NO.	3772	MAP NO.	H-16	SHEET	18 OF 21

RECORD DRAWING  
Date: 8/29/20



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



SCALE: 1" = 20'

FLOWERING PEAR (2)  
15' o.c.ROCK COTONEASTER (2)  
48' o.c.

SCALE: 1" = 20'

ADDRESS IS  
2500 MENAUL  
BOULEVARD

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

RECORD DRAWING

Date: 8/30/90

- 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 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 water 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 4" 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 30 PSI.
  - Plan locations of meters, main lines, master valves, irrigation valves, and sleeves are schematic. Locate each item on site in medians.
  - 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 (M 21).
  - All piping shall be installed 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" gas bubbler for each shrub 12" from the center of each plant, on the uphill side of the plant, and one 1/2" gas 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 Alb. (see drawing 258) City contract documents) work and coordination are the responsibility of the Contractor. Customer Service Dept. Ph. 908-768-2800.
- Controller - Rain Bird ISC Independent Station Computer Controller. Controller shall be housed in a concrete vault (MCM-1000) as a/c. by Materials Inc. 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 (M 21). Assembly includes and follows:
1. Rain Bird IFA-CP 200 Brass Electric 2"
  2. Rain Bird Pressure Vacuum Breaker - PVB-200-R
  3. King Automatic Drain
  4. Hammond HV-657 Brass Gate Valve - 2"
- Remote Control Valve - Rain Bird PE Series - See Detail (M 21). Size as shown on plan. Valve Size 1 1/2"
- Automatic Drain - King Auto Drain - Locate as shown on plans. See Detail (M 21).
- Manual Drain - Locate in field on mainline after each master valve (low point) and in lateral line after electric valve. See Details (M 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 (M 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 (M 21).
- 18" Pop-Up Spray Head - H - Rain Bird 1812 w/ B128 nozzle (gal = 20, radius = 16', gpm = .80, p/r = 1.54). See Detail (M 21).
- 12" Pop-Up Spray Head - G - Rain Bird 1812 w/ B120 nozzle (gal = 20, radius = 16', gpm = .80, p/r = .54). See Detail (M 21).
- Inverted Garden Valve - Champion I-40 at 18" below finish grade in Base & Hoya 34 B 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 Sleeves - place under all paving.
- Electrical Pull Box - For Irrigation. See Detail SHT. 9.

City of PWD Maps &amp; Records

2/6 13/7/12/19/90

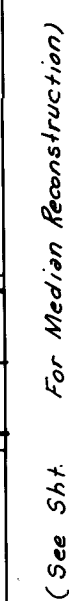
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT


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

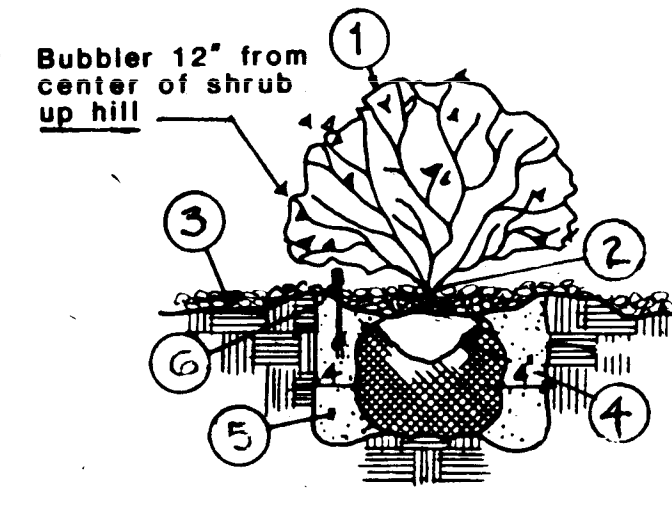
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Robert Rios	12/18/90	Liquid Waste	R. Rios	12-7-90
A.C.E. Design			Traffic	R. Rios	12-6-90
A.C.E. Hydrology			Water	R. Rios	12-7-90
Parks & Recreation					
DRAWING NO.	3772	MAP NO.	H-16	SHEET	19 OF 21

F.D.A. JOB NO. 931.31



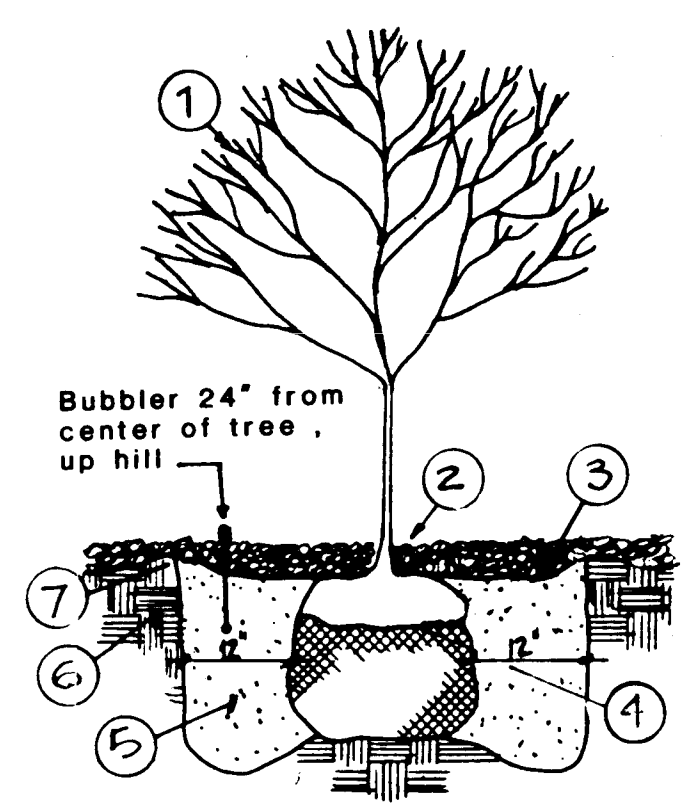


ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
DESIGNED BY		DATE					
DRAWN BY		TJM/ELO					
CHECKED BY		DATE					
REMARKS		REVISIONS					
DESIGN							
Record Drawing		Info. By: C.O.A		E.L.O			
12-18-89		Addendum No. 2		E.L.O			
NO. DATE				BY			
CONTRACTOR		UNIVERSAL		DRAWN BY		DATE	
INSPECTED BY		E.D. Denny		DATE		90	
ACCEPTANCE BY		G. S.		DATE		90	
VERIFICATION BY		E. Denny		DATE		90	
DRAWINGS		COORDINATED BY		E. Denny		DATE	
MICRO-FILM INFORMATION		RECORDED BY		DATE			
NO							



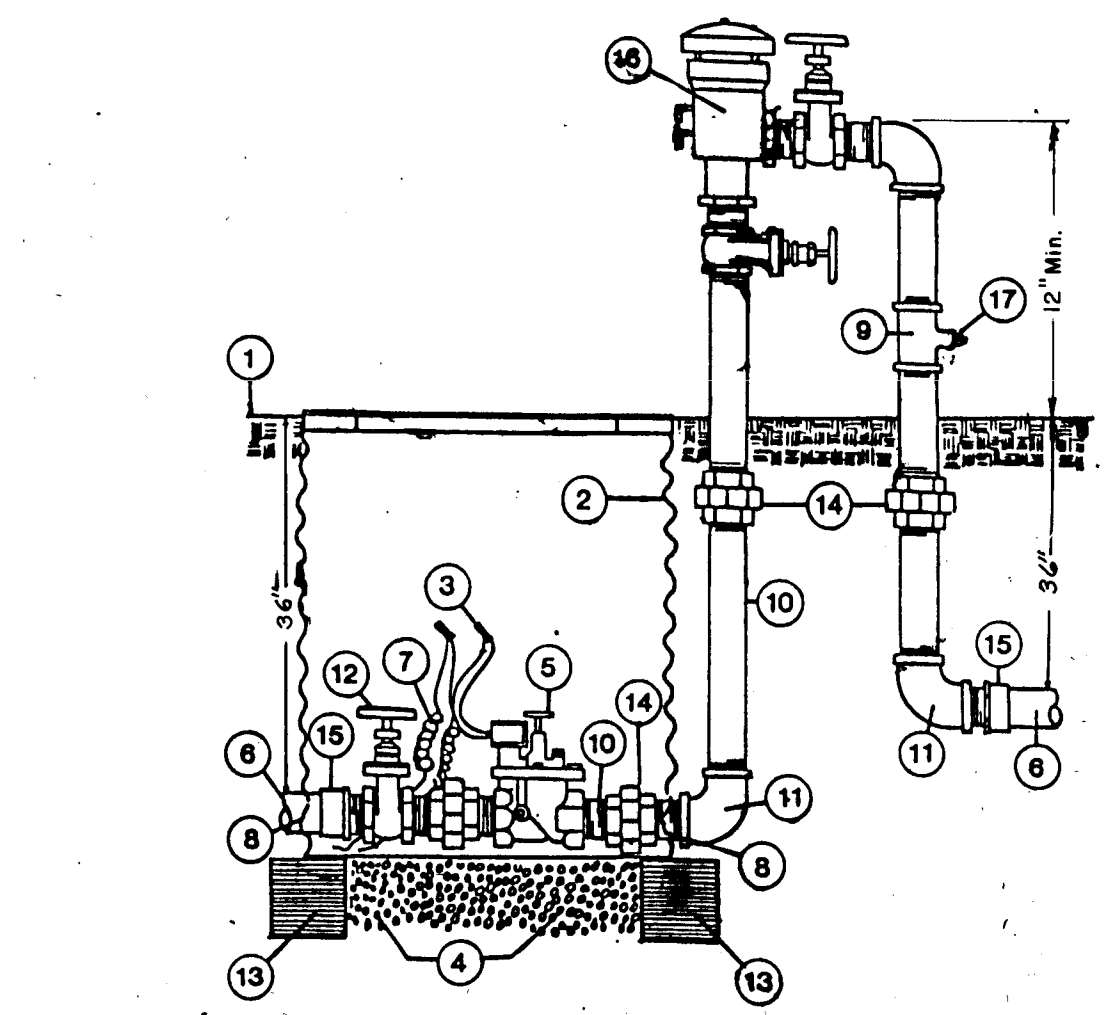
- 1 SHRUB LOCATION & SPECIES AS PER PLAN
- 2 PLANT AT SAME DEPTH AS IN NURSERY
- 3 4" DEEP BARK MULCH THROUGHOUT PLANTER-EXCEPT IN EARTH SAUCE. MULCH=2"
- 4 REMOVE TOP/OF BURLAP FROM ROOT BALL
- 5 BACKFILL AND SOIL CONDITION-REF. SPECS.
- 6 EARTH SAUCE - 2" DEEP BARK MULCH WITHIN SAUCE.

A/21 SHRUB PLANTING N.T.S.



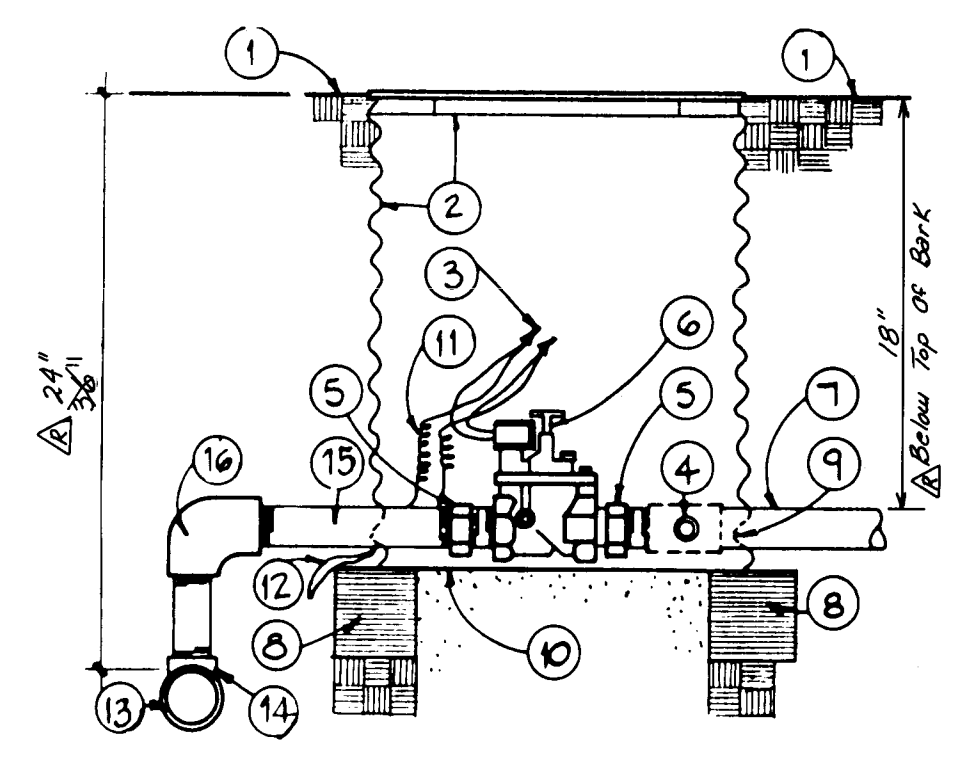
- 1 TREE LOCATION & SPECIES AS PER PLAN.
- 2 PLANT w/2" OF ROOT BALL ABOVE FLOOR OF BASIN w/2" OF BARK COVERING TOP OF BALL.
- 3 4" DEEP BARK MULCH THROUGHOUT PLANTER
- 4 REMOVE BASKET OR TOP / OF BURLAP FROM ROOTBALL
- 5 BACKFILL & SOIL AMENDMENT - REFERENCE SPEC.
- 6 35% COMPACTED FILL - REF: CONST. & PLANTING NOTES
- 7 EARTH SAUCE

B/21 TREE PLANTING N.T.S.



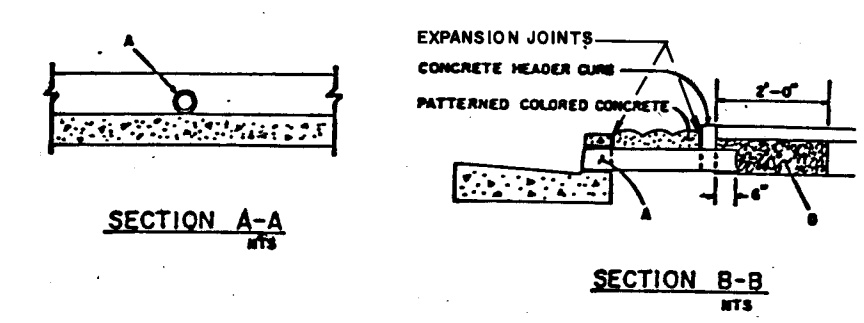
- 1 TOP OF BARK
- 2 BASS & HAYS VALVE BOX 36"x55" D.A.
- 3 NO. 3576 SCOTCH LOK CONNECTORS
- 4 2 CU. FT. 1" DIAM. WASHED ROCK
- 5 BRASS ELECTRIC CONTROL VALVE
- 6 PVC MAINLINE
- 7 3/8" WIRE EXPANSION COIL
- 8 CUT OUT FOR MAIN LINE
- 9 GALV. TEE
- 10 GALV. NIPPLE (TYP)
- 11 GALV. ELL
- 12 BRASS GATE VALVE
- 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.



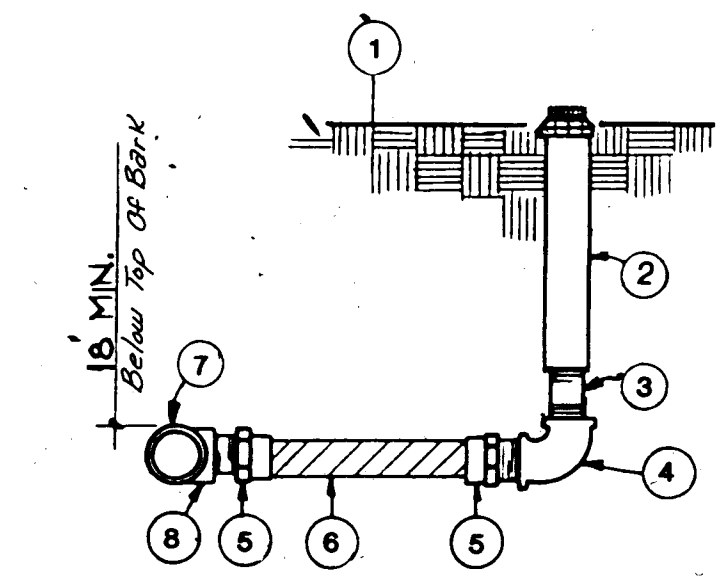
- 1 TOP OF BARK
- 2 BASS & HAYS VALVE BOX 34C
- 3 NO. 3576 SCOTCH LOK CONNECTORS
- 4 MANUAL DRAIN - SEE DETAIL
- 5 GALV. UNION
- 6 AUTOMATIC VALVE - SEE LEGEND
- 7 LATERAL PIPE
- 8 8"x8"x16" SOLID CMU
- 9 CUT OUT FOR LATERAL PIPE
- 10 2CU. FT. 1" DIAM. WASHED ROCK
- 11 3/8" WIRE EXPANSION COIL
- 12 WIRE BUNDLE
- 13 MAINLINE
- 14 MAINLINE TEE
- 15 GALV. NIPPLE
- 16 MAINLINE ELL

D/21 AUTOMATIC VALVE N.T.S.



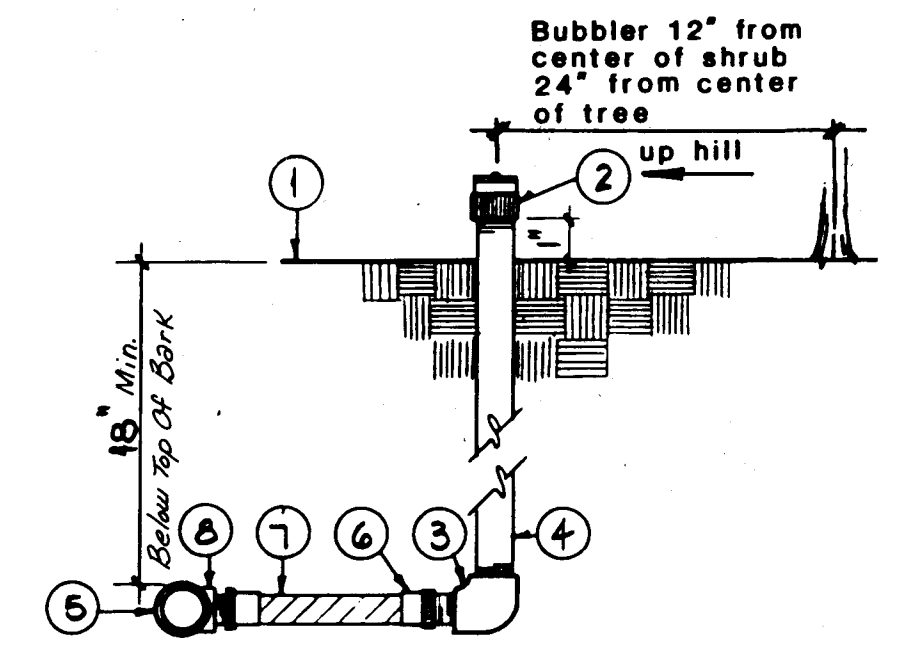
- 1 TOP OF BARK
- 2 2" LOCKING VALVE MARKER
- 3 2" CLASS 180 PVC
- 4 MAINLINE
- 5 TEE
- 6 SCH. 80 PVC NIPPLE
- 7 BRASS GATE VALVE w/ CROSS HANDLE
- 8 2 CU. FT. 1 1/2" WASHED ROCK
- 9 KING AUTOMATIC DRAIN
- 10 TERRA BOND 1115 FILTER FABRIC

E/21 MANUAL DRAIN N.T.S.



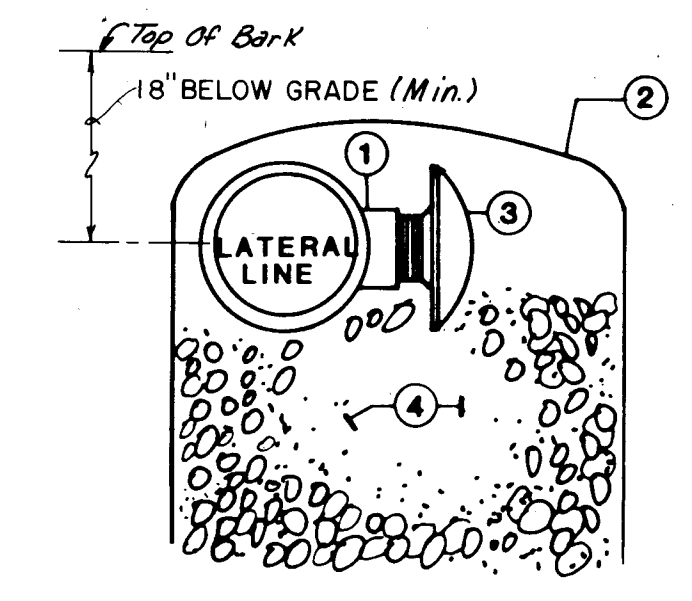
- 1 TOP OF BARK
- 2 SPRINKLER HEAD
- 3 GALV. CLOSE NIPPLE
- 4 GALV. ELL
- 5 PVC MIP ADAPTER
- 6 SCH. 40 PVC NIPPLE (12") or SCH. 80 PVC NIPPLE
- 7 LATERAL PIPE
- 8 PVC SXSXT TEE

F/21 POP-UP SPRINKLER N.T.S.



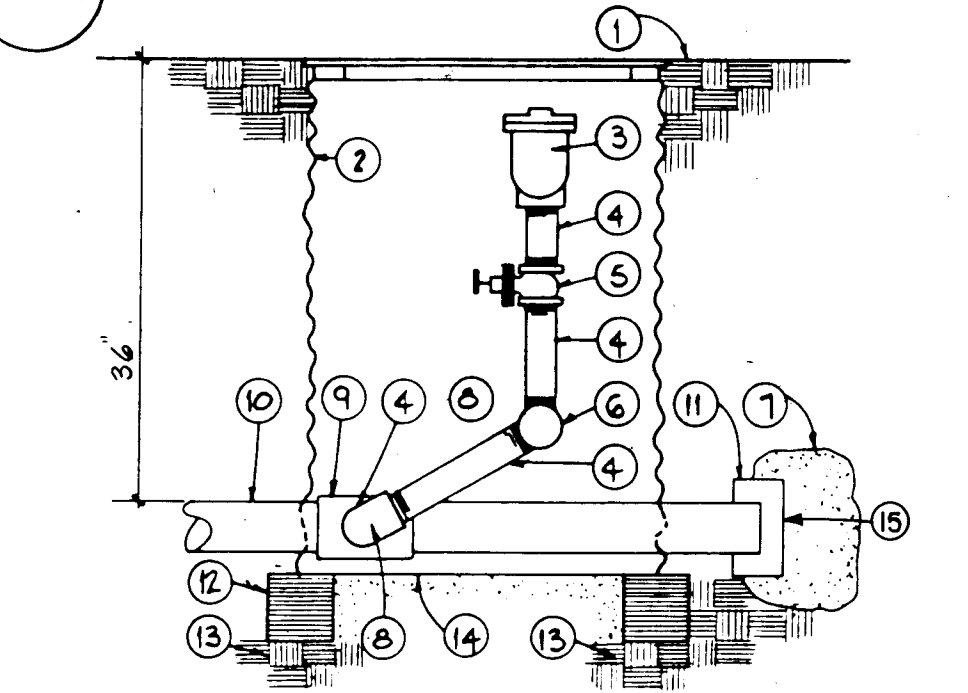
- 1 TOP OF BARK
- 2 FLOOD BUBBLER 1" ABOVE TOP OF MULCH
- 3 SCH. 40 PVC ELL
- 4 SCH. 80 PVC RISER
- 5 PVC LATERAL PIPING
- 6 PVC MIP ADAPTER
- 7 SCH. 40 PVC NIPPLE (12") or SCH. 80 PVC NIPPLE
- 8 PVC SXSXT TEE

G/21 BUBBLER N.T.S.



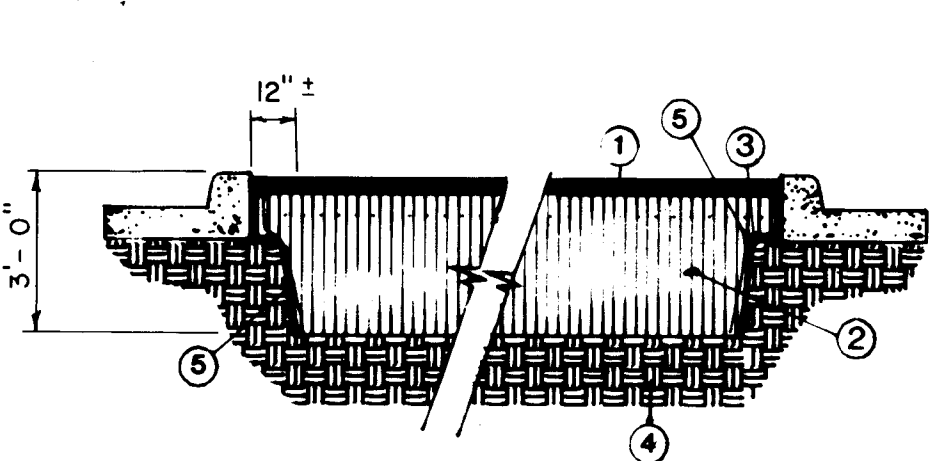
- 1 PVC TEE SXSXT
- 2 TERRA BOND 1115 FILTER FABRIC TOP & SIDES
- 3 KING AUTOMATIC DRAIN
- 4 2 CU. FT. 1 1/2" DIAM. WASHED GRAVEL

H/21 AUTOMATIC DRAIN N.T.S.



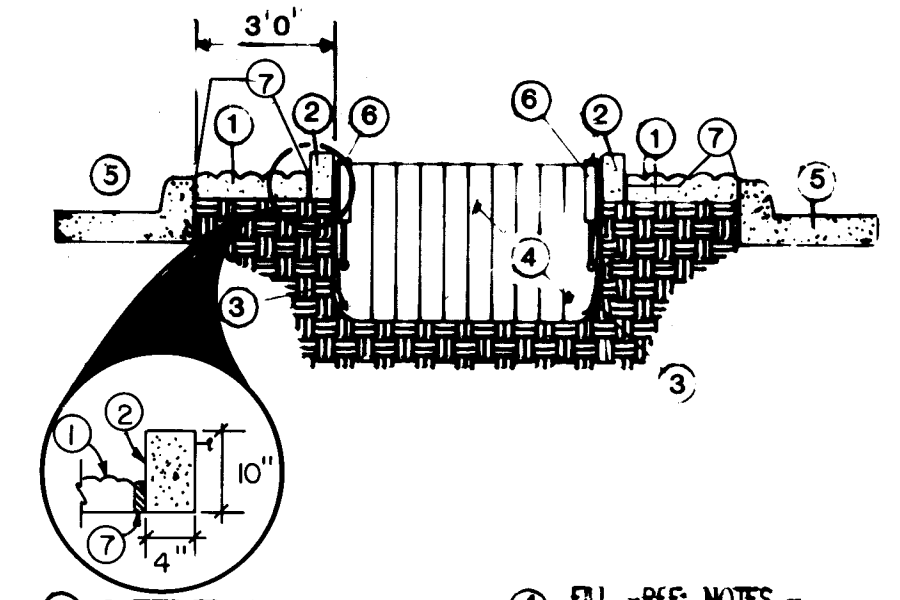
- 1 TOP OF BARK
- 2 BASS & HAYS 34 d
- 3 AIR RELIEF VALVE
- 4 GALV. NIPPLE
- 5 GATE VALVE
- 6 GALV. ST. ELL
- 7 THRUST BLOCK
- 8 GALV. 90 ELL
- 9 EPOXY COATED STEEL grommet TEE
- 10 MAINLINE
- 11 END CAP
- 12 8"x8"x16 SOLID CMU
- 13 95% COMPACTED SUBGRADE
- 14 2 CU.FT. 1 1/2" DIAM. WASHED ROCK
- 15 10 MIL. PLASTIC MEMBRANE BETWEEN THRUST BLOCK & FITTING.

I/21 AIR RELIEF VALVE N.T.S.



- 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 3ft. DEPTH CONTINUOUS - ADHERE TO CURB AND CONC. EDGE. ADHESIVE TO BE APPROVED BY ENGINEER.

K/21 TYPICAL MEDIAN SECTION N.T.S.

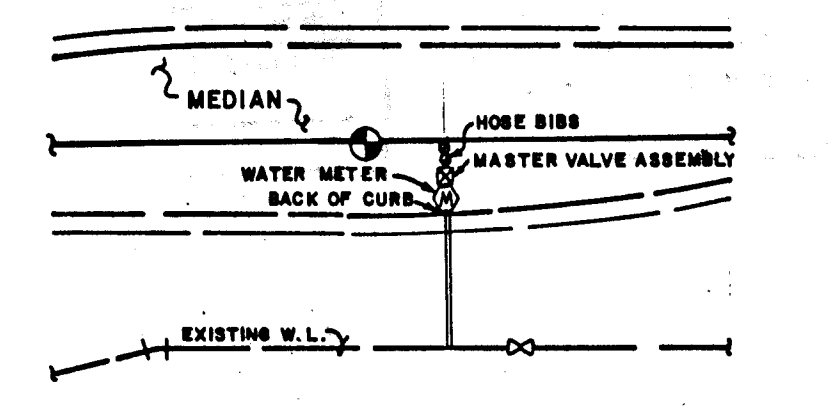
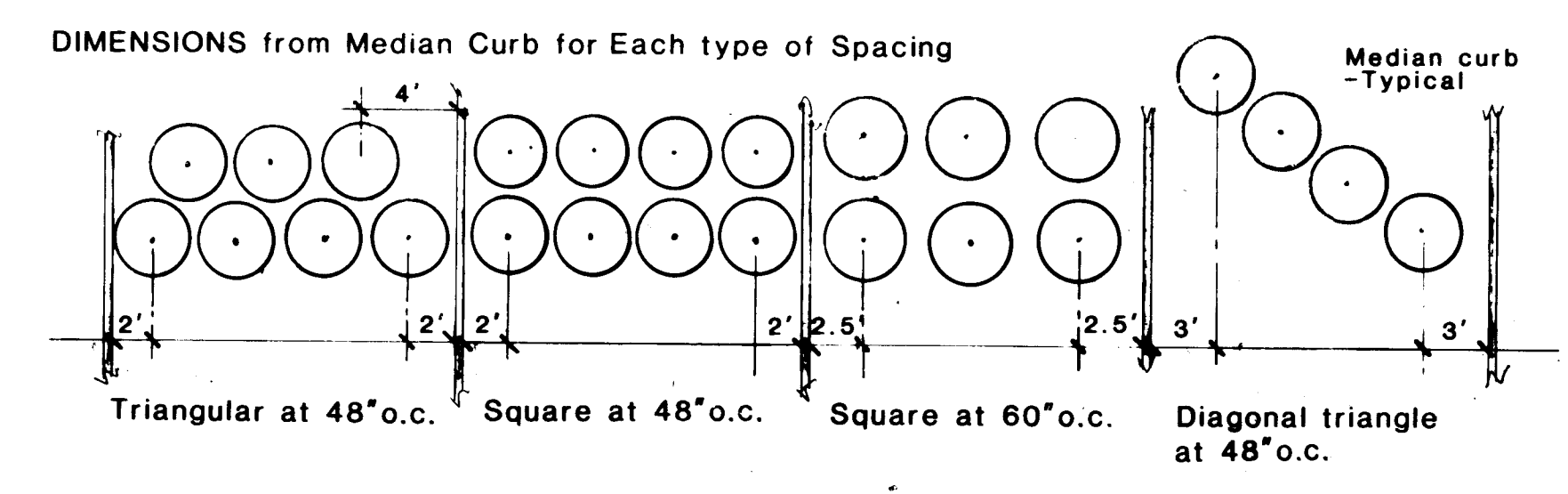


- 1 PATTERNED, COLORED CONCRETE
- 2 6"x10" CONCRETE HEADER \*
- 3 THE SAME AS NOTE 5 ON TYPICAL MEDIAN SECTION.
- 4 FILL - REF: NOTES - COMPACT TO 85%
- 5 MEDIAN CURB AND GUTTER
- 6 POP-UP SPRINKLERS - REF: IRRIGATION PLANS
- 7 EXPANSION JOINT

L/21 TYPICAL PLANTER SECTION 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 glaucocephala	Grey Cotoneaster	5 gal.		48" o.c.
421	Cotoneaster horizontalis	Rock Cotoneaster	5 gal.		48" o.c.
18	Lagerströmia sp.	Crape Myrtle 'Watermelon Red'	5 1/2 gal.		60" o.c.
8	Juniperus chinensis 'Keteleer'	Keteleer Juniper	15 gal.		10' o.c.
474	Juniperus sabina 'Broadmoor'	Broadmoor Juniper	5 gal.		60" o.c.
254	Juniperus sabina 'Buffalo'	Buffalo Juniper	5 gal.		48" o.c.
105	Mahonia aquifolium 'Compecta'	Compact Mahonia	5 gal.		48" o.c.



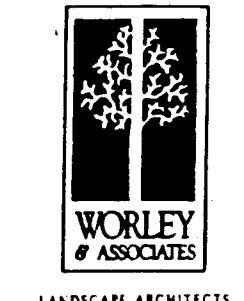
N/21 TYPICAL MEDIAN SECTION N.T.S.

### CONTROLLER/VALVE LEGEND

CONTROLLER	MODEL	VALVES	SIZE	GPM
#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"	25.5
		V-6	1 1/2"	49.6
#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.

RECORD DRAWING  
Date 8/29/90



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT					
TITLE <b>MENAU BOULEVARD N.E. PH II-B MEDIAN RECONSTRUCTION &amp; LANDSCAPING</b>					
APPROVAL	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Rogers	12/1/89	Liquid Waste	R.W. Kane	12-7-89
ACE Design			Traffic	R. Kane	12-6-89
ACE Hydrology			Water	R.W. Kane	12-7-89
Parks & Recreation					
DRAWING NO.	3772		MAP NO.	SHEET 21 OF 21	

AS BUILT INFORMATION		CONTRACTOR Universal		DATE 90	
WORK		STANDARD BY Fred Drury		DATE 90	
FIELD		ASSEMBLY BY G.S.		DATE 90	
DRAWING		CORRECTION BY F. Drury		DATE 90	
MICRO FILM INFORMATION		RECORDED BY		DATE	
NO		NO		NO	