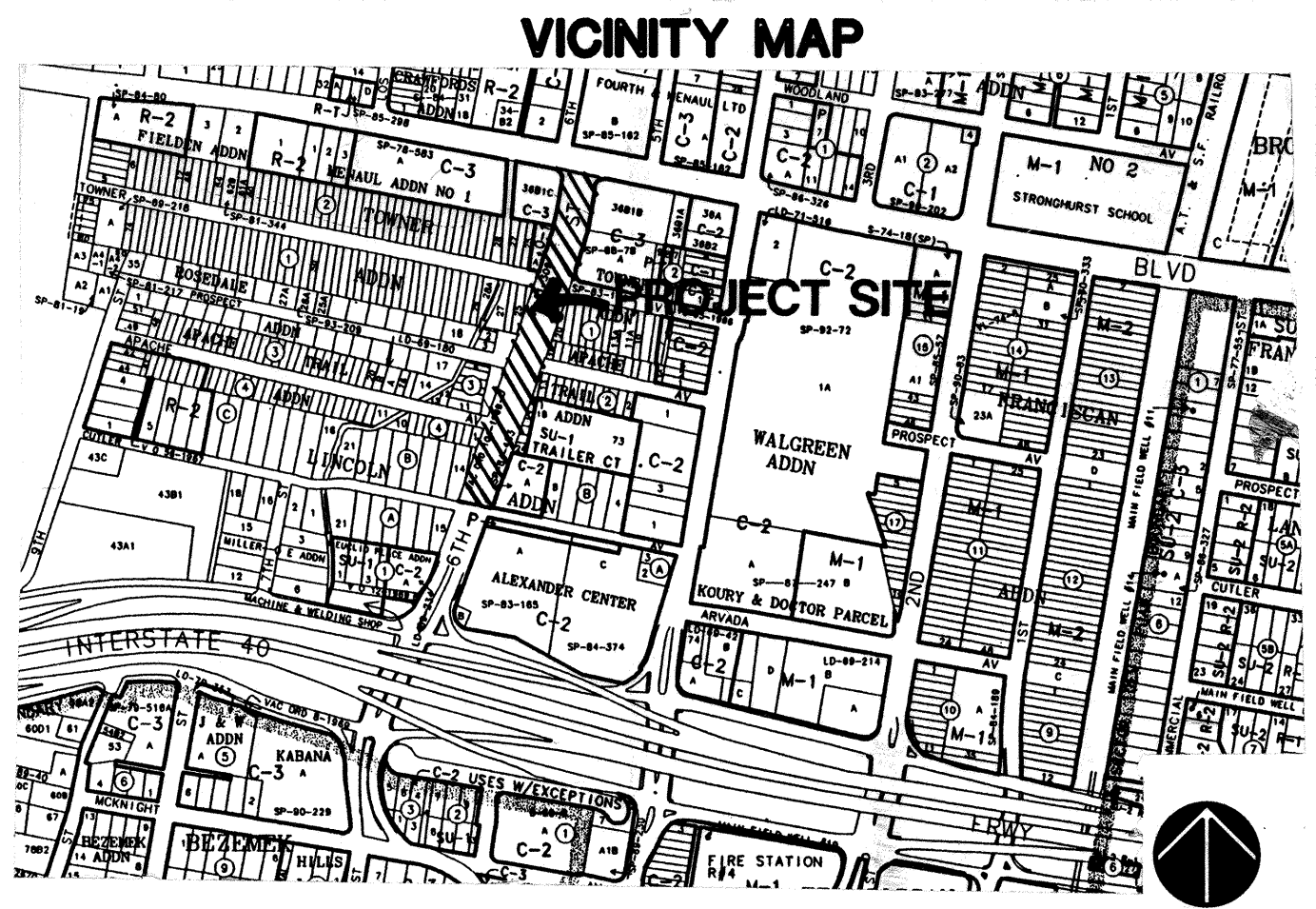


6TH STREET MEDIANS
LANDSCAPE IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO
CLASS I CONSTRUCTION



GENERAL NOTES

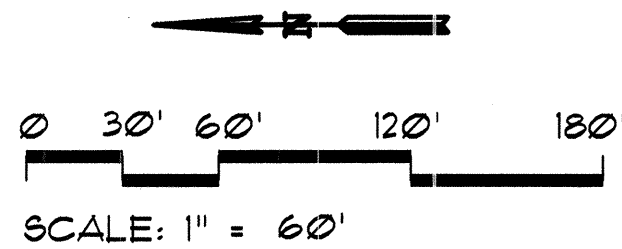
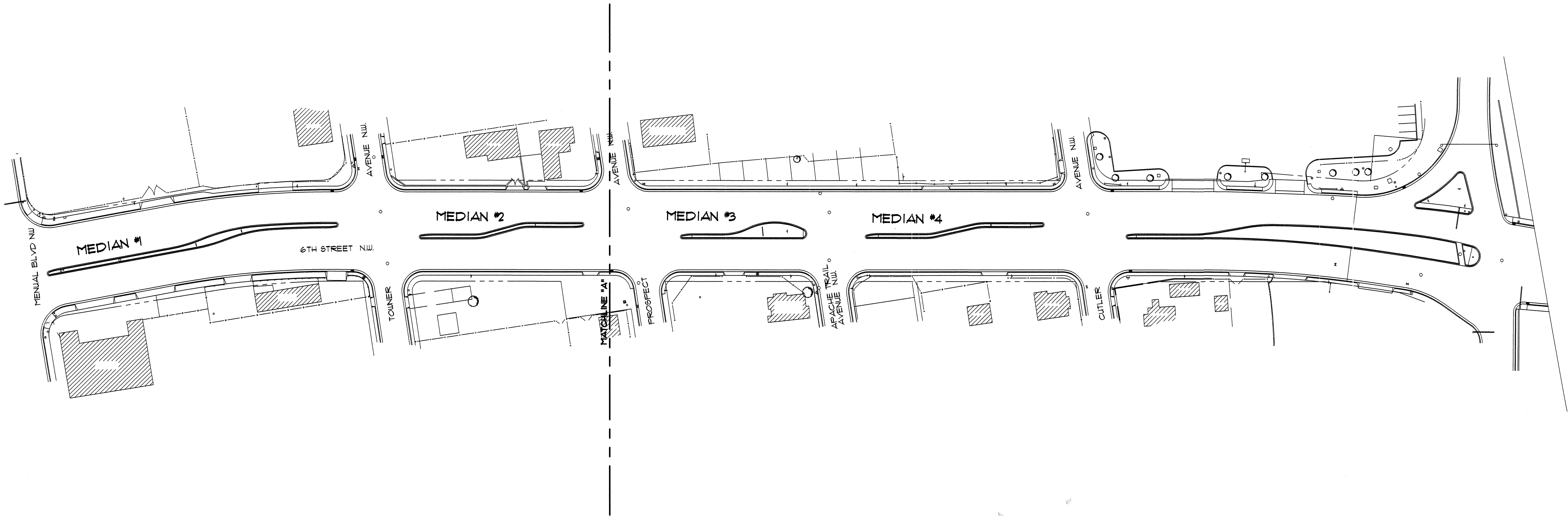
- ALL WORK ON THESE PLANS TO BE PERFORMED UNDER CONTRACT, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREIN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986 EDITION, AS AMENDED THROUGH UPDATE #6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 280-1990, FOR LOCATION INFORMATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED ON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE LANDSCAPE ARCHITECT HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY. THEREFORE THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND LINE. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE UTILITY LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH THE MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- 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 DURING CONSTRUCTION BY THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM PERSONNEL SHALL OPERATE EXISTING VALVES, REFER TO SECTION 18 OF THE SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY CITY SURVEYING NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT CITY SURVEYING MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT AND PERMISSION OF CITY SURVEYING. REPLACEMENT SHALL BE DONE ONLY BY CITY SURVEYING. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT ITS OWN EXPENSE, ADJUST THE MONUMENT AND ITS COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE TWO (2) DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS TO SAME LOCATION AND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- ANY WORK PERFORMED DURING RUSH HOUR WITHIN AN ARTERIAL REQUIRES TWENTY FOUR (24) HOUR CONSTRUCTION. SEE NOTE #28, SHEET 3 OF 10.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

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PLANTING PLAN: MEDIANS #3 & #4	10

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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEERS		DATE	
		DRC Chairman		3/16/99		*****	
		Transportation		2/27/99		APPROVED FOR CONSTRUCTION	
		Water/Wastewater		2/14/99			
		Hydrology		2/6/99			
		CIP		2/16/99			
Constr. Mngmt.		2/1/99				City Engineer	
Constr. Coord.		2/1/99				Date	
City Project No.		4964.06		Sheet		Of	
				1		10	

6TH STREET MEDIANS: OVERALL SITE PLAN



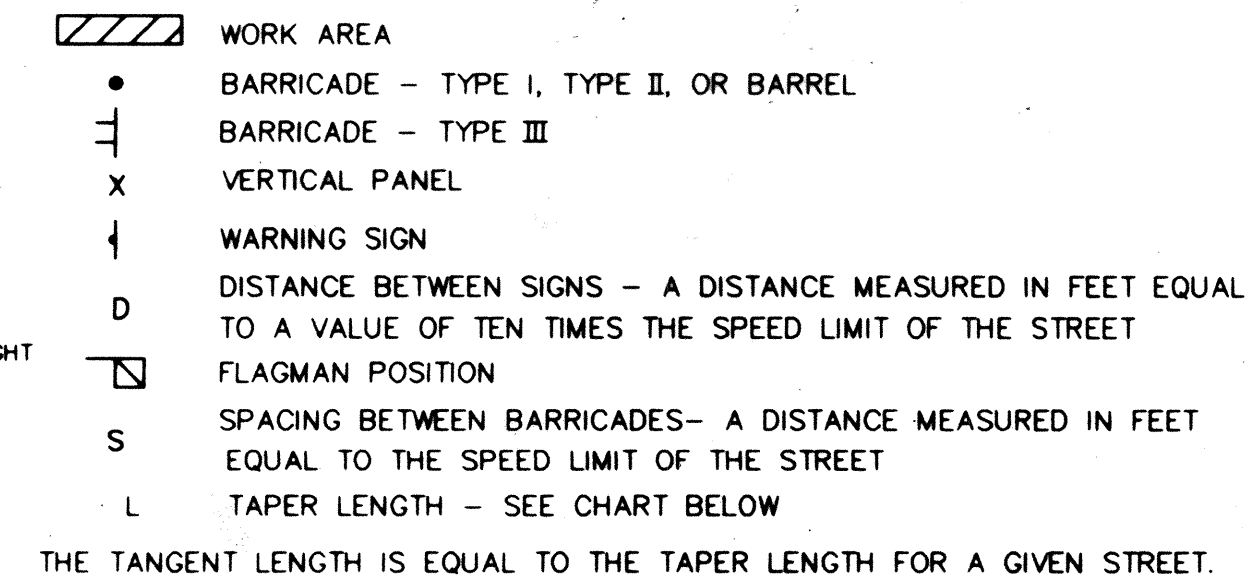
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210 La Veta N.E.
Albuquerque, N.M. 87108
PH: 505 288-2286 FAX: 505 288-9497

CITY OF ALBUQUERQUE C.I.P.			
TITLE: 6TH STREET MEDIANS LANDSCAPE IMPROVEMENTS OVERALL SITE PLAN			
Design Review Committee 	City Engineer Approval	Mo/Day/yr.	
Last Design Updates		Mo/Day/yr.	
CITY PROJECT NO. 4364.06		ZONE MAP NO. H-14-Z	SHEET 2 OF 10

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	FIELD NOTES						
	NO.	BY	DATE				
REVISIONS		NO.		DATE	BY		
DESIGN							
DESIGNED BY ECR				DATE 11/18/91			
DRAWN BY KRB				DATE 11/18/91			
CHECKED BY ECR				DATE 11/18/91			
MICRO-FILM INFORMATION							

CTCSTND1.DWG

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.
27. CONTRACTOR SHALL OBTAIN BARRICADING PERMIT.
28. CONTRACTOR SHALL KEEP ALL LANES OPEN BETWEEN 6:00 AM - 8:30 AM AND 4:00 PM - 6:30 PM. IF FOR ANY REASON LANES MUST BE BARRICADED BETWEEN THESE HOURS, CONTRACTOR MUST WORK CONTINUOUSLY ON A 24 HOUR PER DAY BASIS UNTIL ALL LANES OF TRAFFIC ARE OPENED TO TRAFFIC.
29. NO LANES SHALL BE LEFT CLOSED OVERNIGHT. BARRICADES SHALL BE REMOVED AND PLACED TO THE SIDE AT THE END OF EVERY WORK SHIFT.
30. NO MORE THAN ONE (1) LANE PER DIRECTION OF TRAVEL SHALL BE CLOSED AT ONE TIME. IF TWO LANE CLOSURES PER DIRECTION OF TRAVEL ARE NEEDED, 24 HOUR CONSTRUCTION SHALL BE REQUIRED UNTIL SECOND LANE CLOSURE IS OPEN.



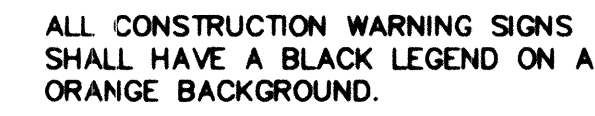
SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

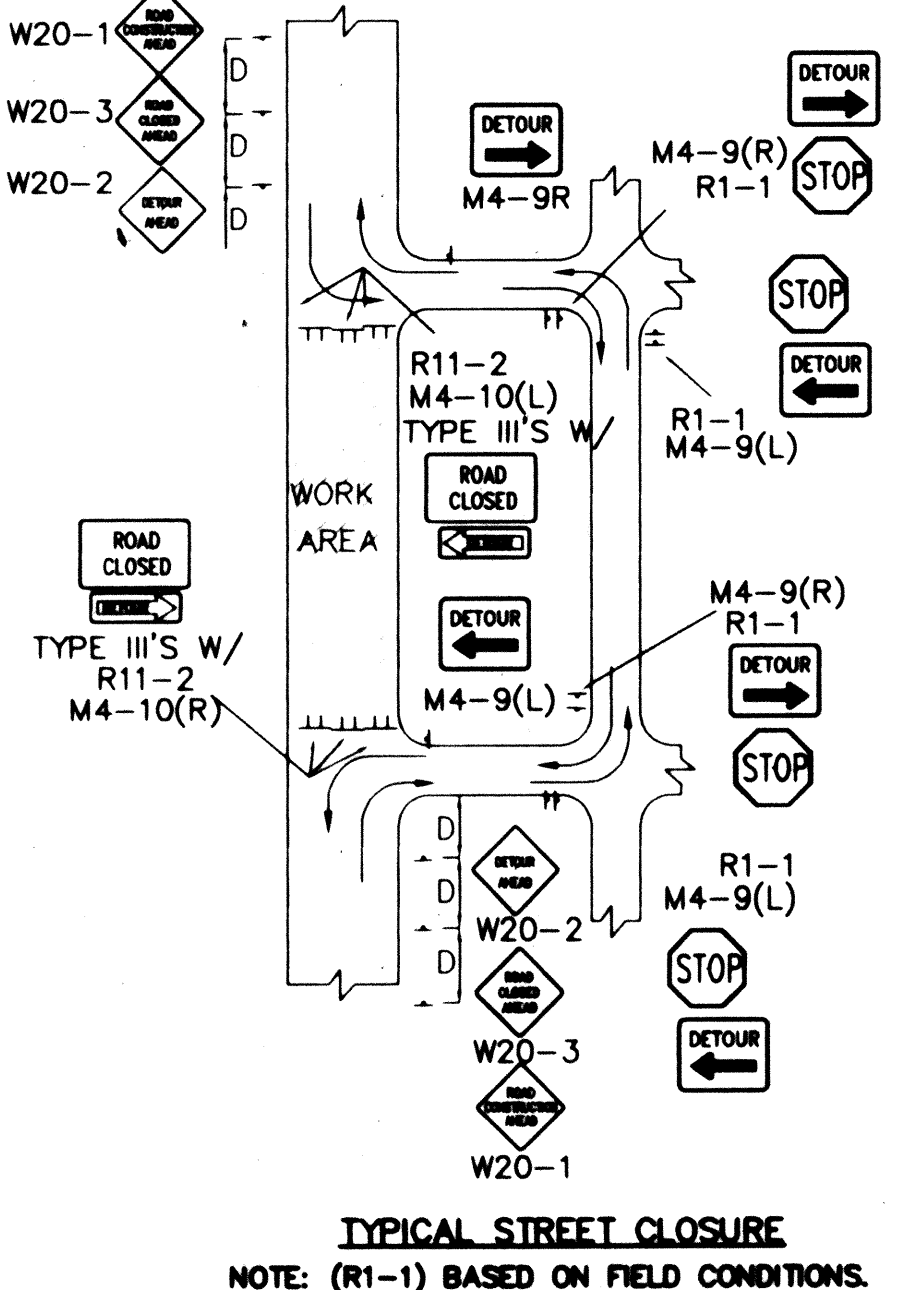
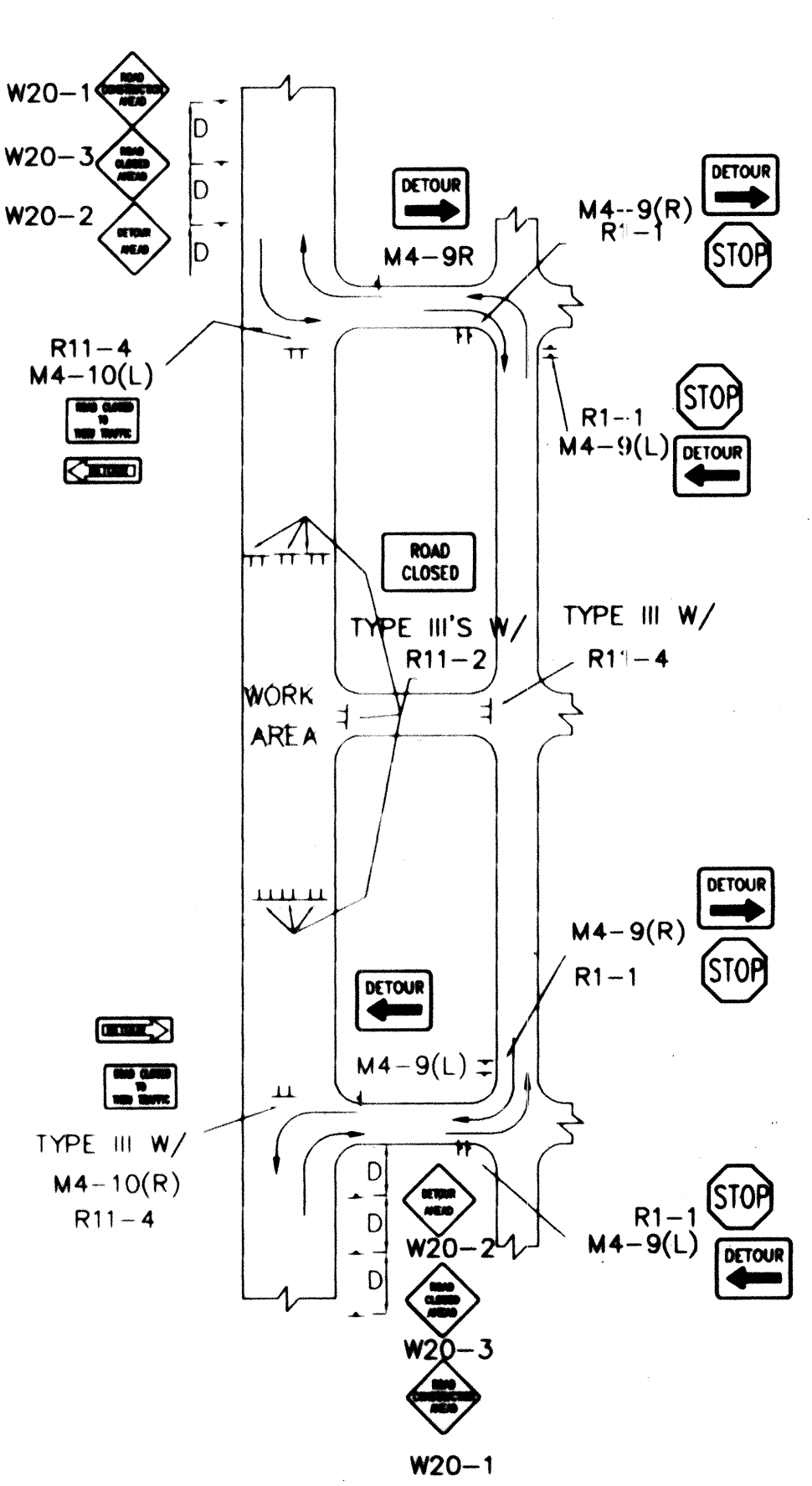
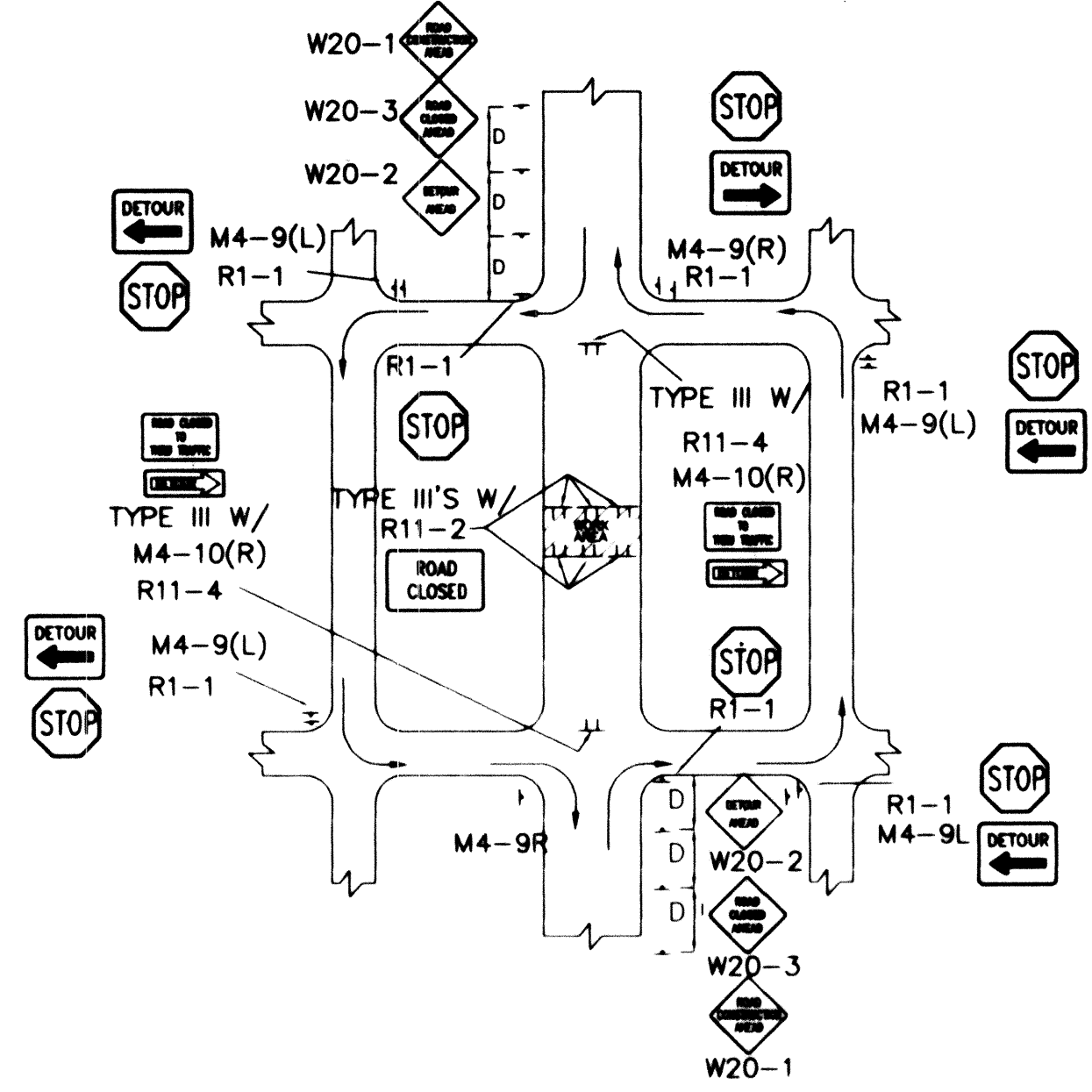
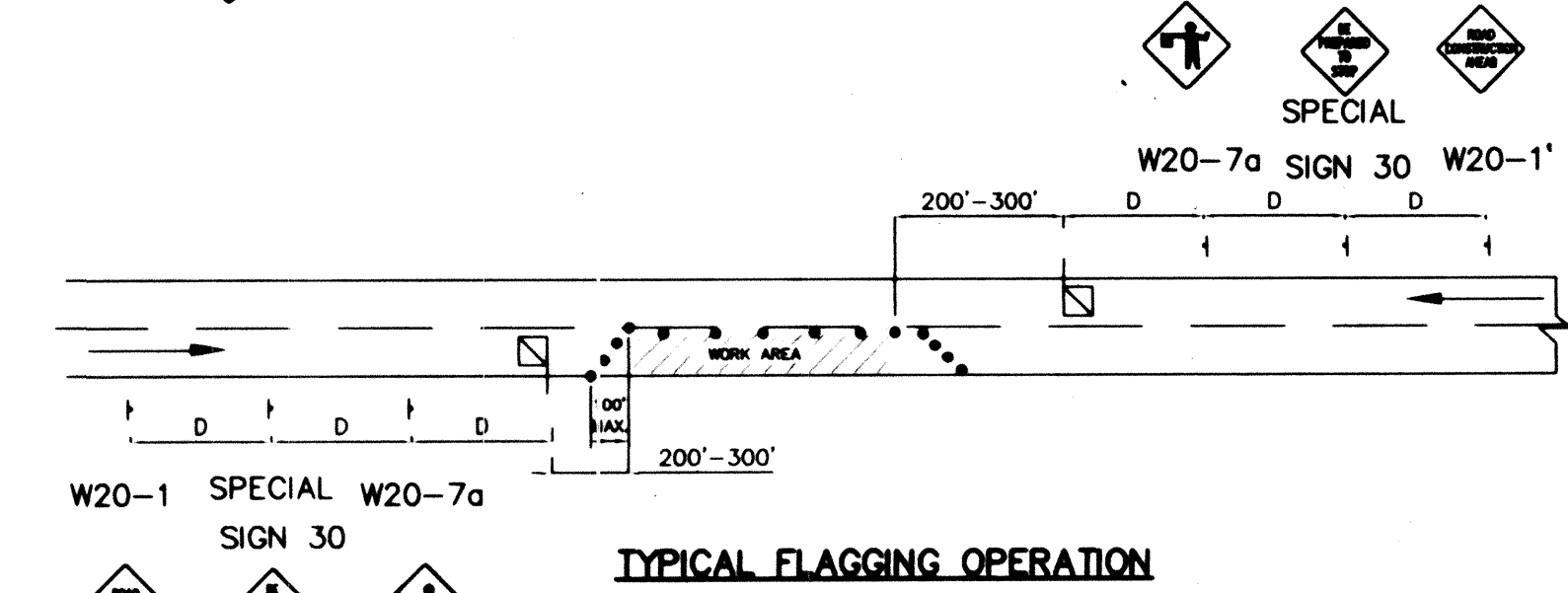
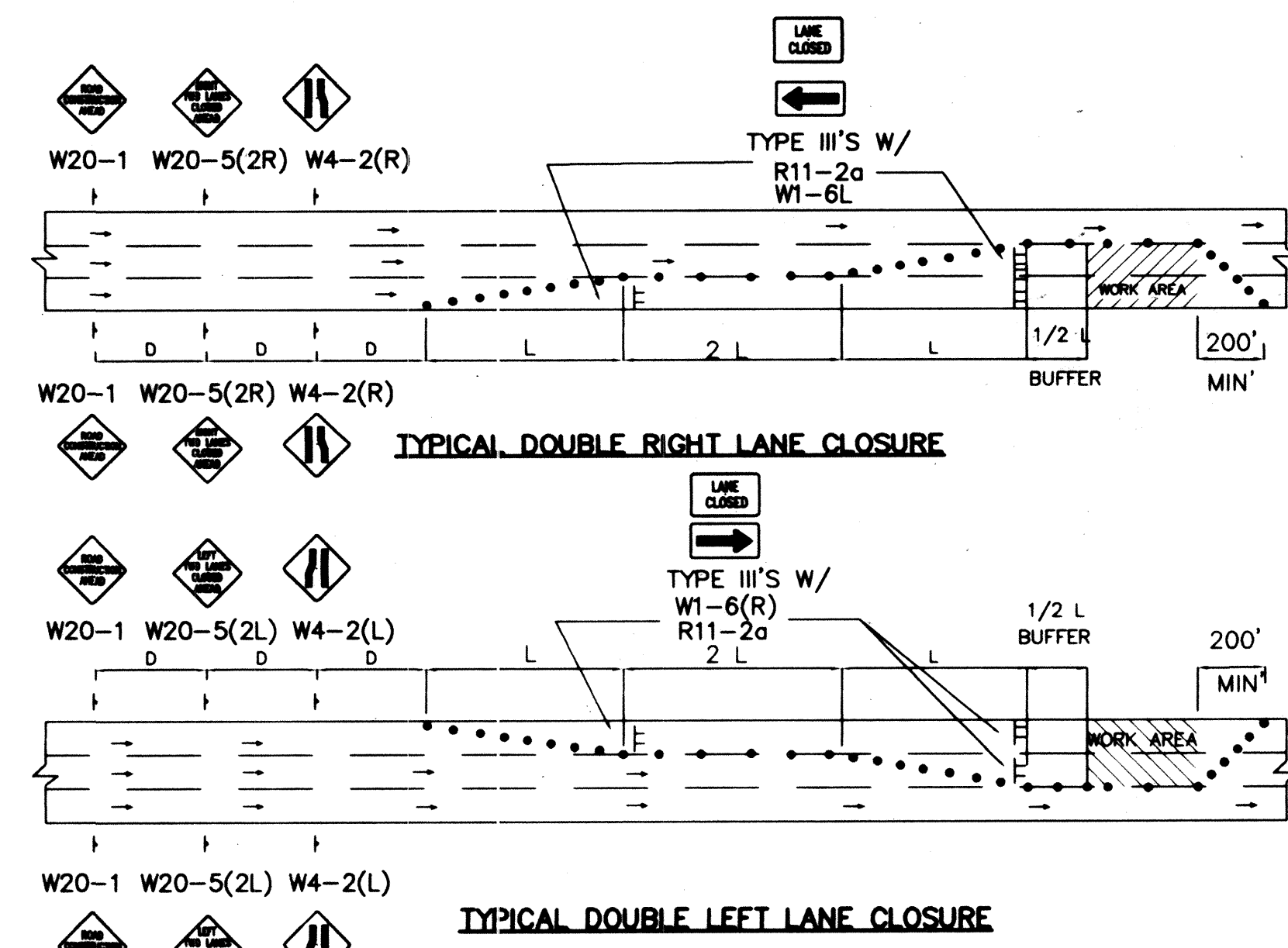
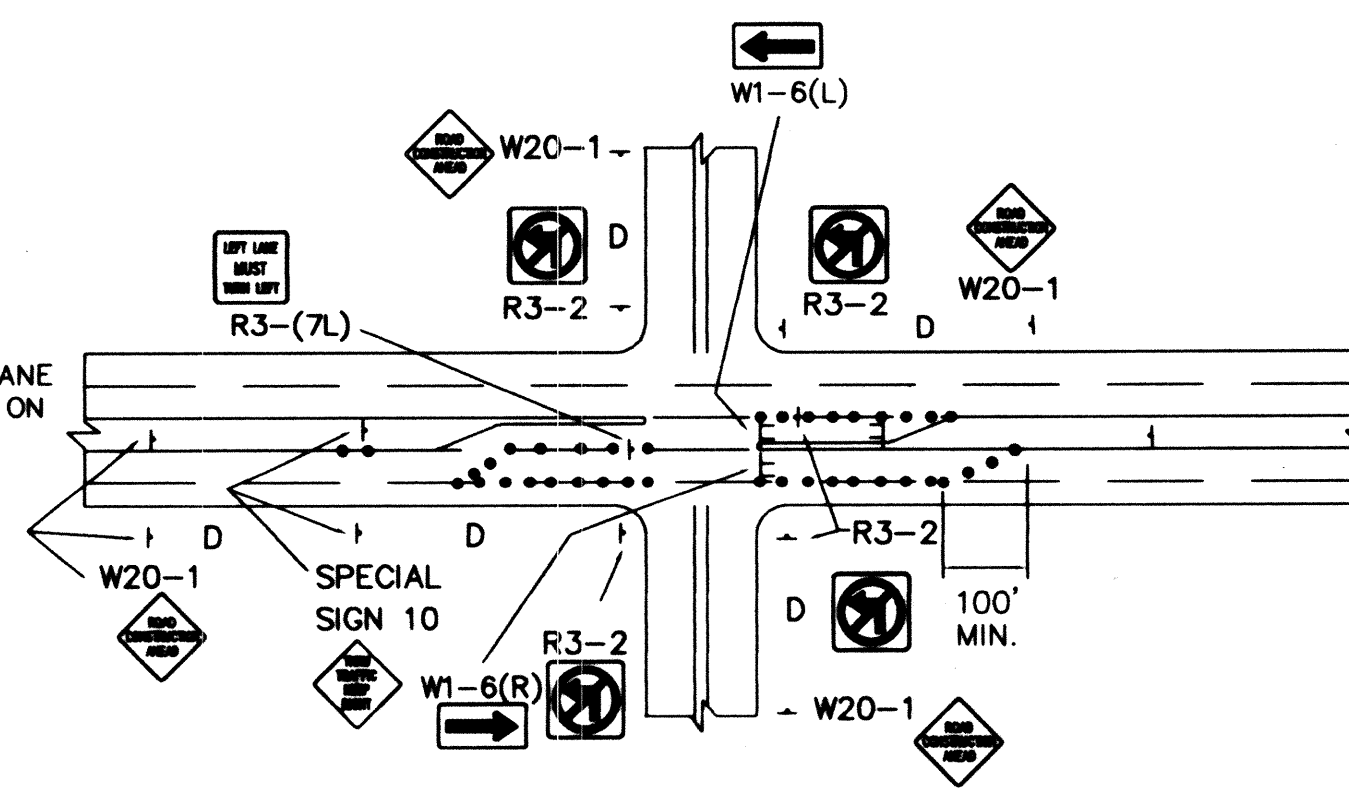
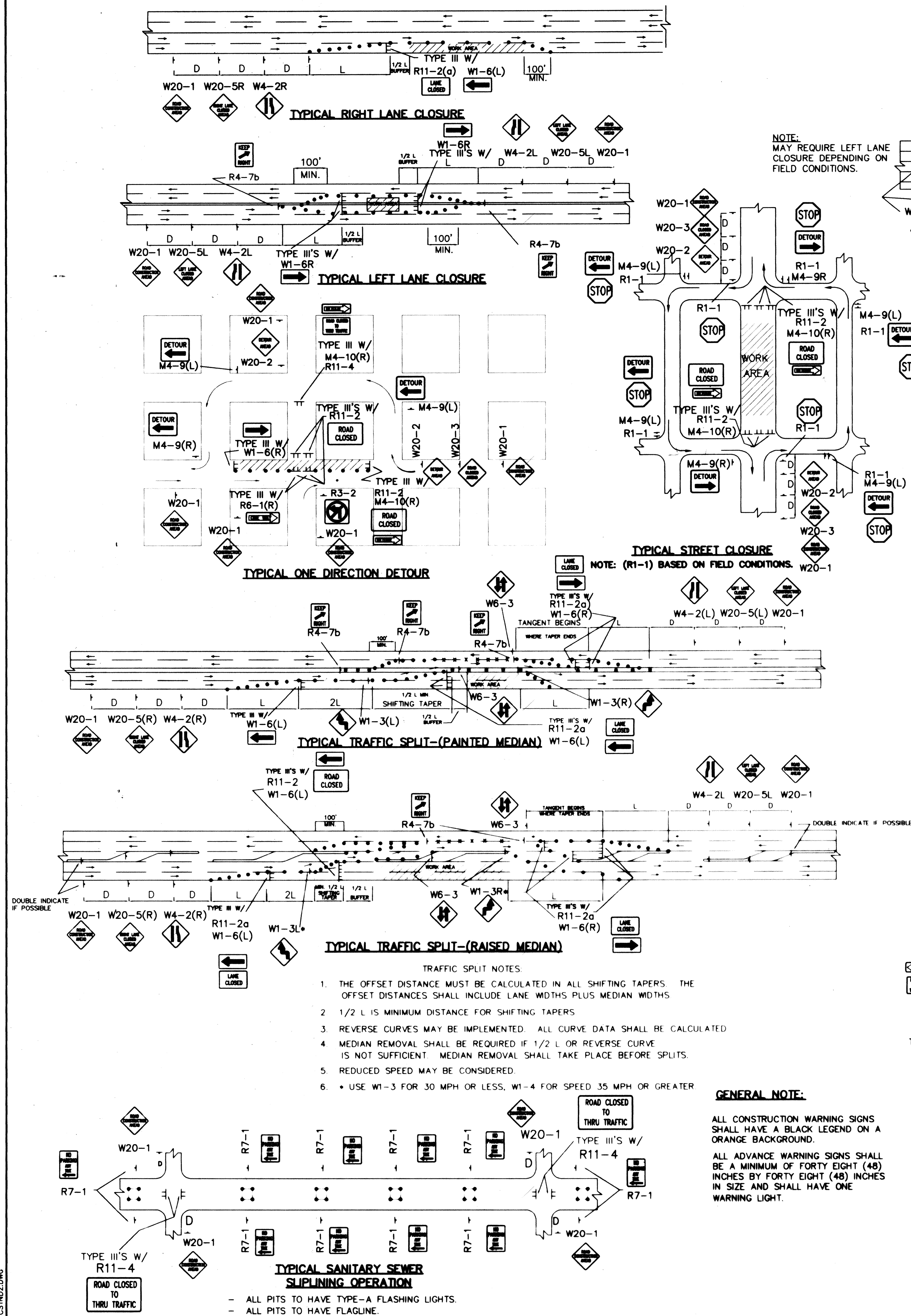
<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

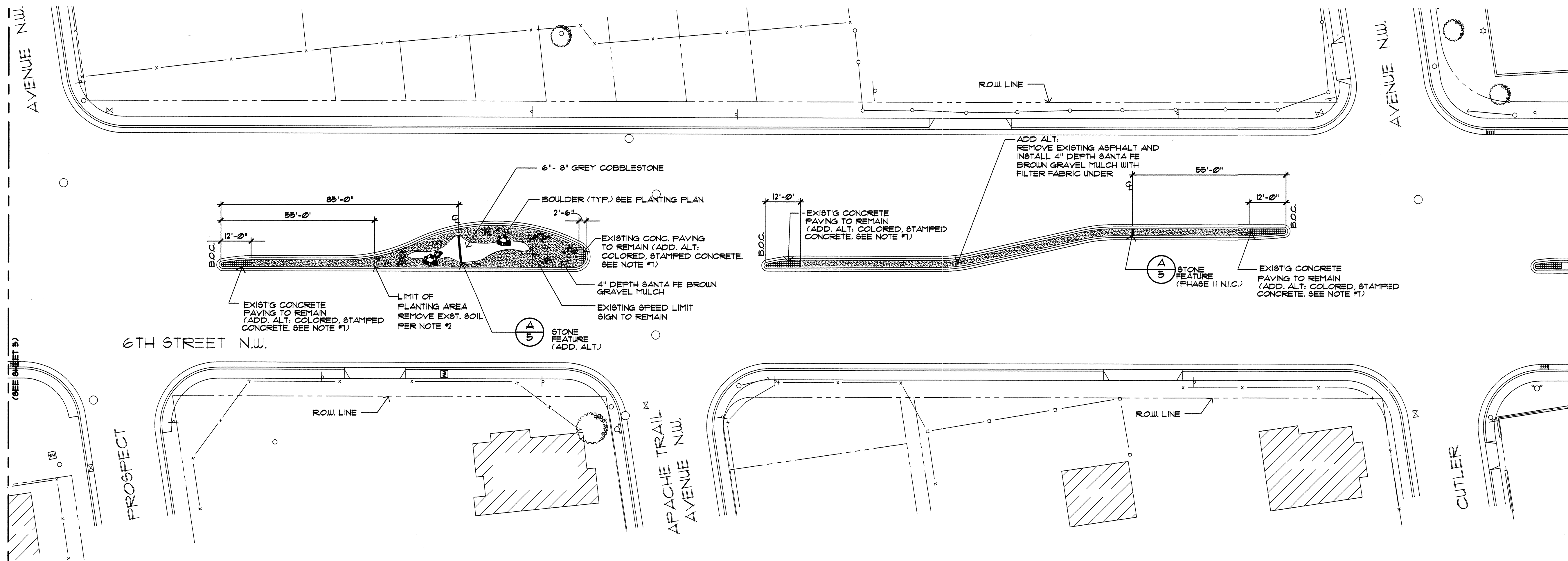
SPEED LIMIT	
40 MPH OR LESS	$L = \frac{W S^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR OFF-PEAK
 85-PERCENTILE SPEED IN MPH



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP																															
TITLE:				6TH STREET MEDIANS LANDSCAPE IMPROVEMENTS																											
				SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS																											
DESIGN REVIEW COMMITTEE								CITY ENGINEER APPROVAL								LAST UPDATE		MO / DAY / YR				MO / DAY / YR									
COA <u>Standard</u>																															
PROJECT NO.								4964.06								MAP NO.				H-14-Z				SHEET				OF			
																								3				10			

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MEDIANS #3 & #4

NOTES

1. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING ASPHALT PAVING THROUGHTOUT MEDIANS.
2. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF EXISTING SOIL TO A DEPTH OF 2" THROUGHTOUT PROPOSED PLANTING AREAS. REMOVE AND PROPERLY DISPOSE OF EXISTING SOIL AS REQUIRED TO INSTALL GRAVEL MULCH OUTSIDE OF PLANTING BEDS.
3. CONTRACTOR SHALL PROVIDE A 30 MIL. PVC LINER 12" FROM BACK OF CURB, THROUGHTOUT PLANTING AREAS PER DETAIL C/B. (NO LINER REQUIRED OUTSIDE OF PLANTING AREAS.)
4. CONTRACTOR SHALL INSTALL FILTER FABRIC UNDER ALL GRAVEL AND COBBLESTONE. SEE NOTE #2, SHEET 10.
5. CONTRACTOR SHALL CREATE 6 SQUARE • PLANTING AREAS PER DETAIL B/B.
6. ADD ALT: CONTRACTOR SHALL REMOVE EXISTING CONCRETE PAVEMENT AT NOSE OF MEDIANS AND REPLACE WITH BOMANITE OR EQUIVALENT COLORED, STAMPED CONCRETE PER COA COLOR. BOMANITE COLOR: BOMANITE 12" X 12" TILE AND NATURAL GRAY ACCENTS. CURED WITH BOMANITE OR EQUIVALENT CURING MEMBRANE COAT. PLANTING: BOMANITE 12" X 12" TILE OR EQUIVALENT.



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CITY OF ALBUQUERQUE
C.I.P.

TITLE:	6TH STREET MEDIANS LANDSCAPE IMPROVEMENTS CONSTRUCTION PLAN
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Design Review Committee
APPROVED
MAR 16 1998
DESIGN
REVIEW COMMITTEE

City Engineer Approval

Last Design Updates

Mo/Day/yr.	Mo/Day/yr.

CITY PROJECT NO. 4964.06

ZONE MAP NO.	S
H-14-Z	

SHEET	OF
6	10

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		CONTRACTOR			
NO.	BY	DATE	WORK COMPLETED BY	DATE	
			INSPECTORS ACCEPTANCE BY	DATE	
			FIELD ADJUSTMENT BY	DATE	
			REVISIONS DRAWINGS	DATE	
			CORRECTED BY		
MICRO-FILM INFORMATION					
			RECORDED BY	DATE	
			NO.		

ENGINEER'S SEAL

STATE OF NEW MEXICO
 ELIZABETH S. FISH
 No. 28
 REGISTERED
 LANDSCAPE ARCHITECT

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S	
Mo/Day/yr.	Mo/Day/yr.
SHEET	OF
6	10



MEDIANS #1 & #2

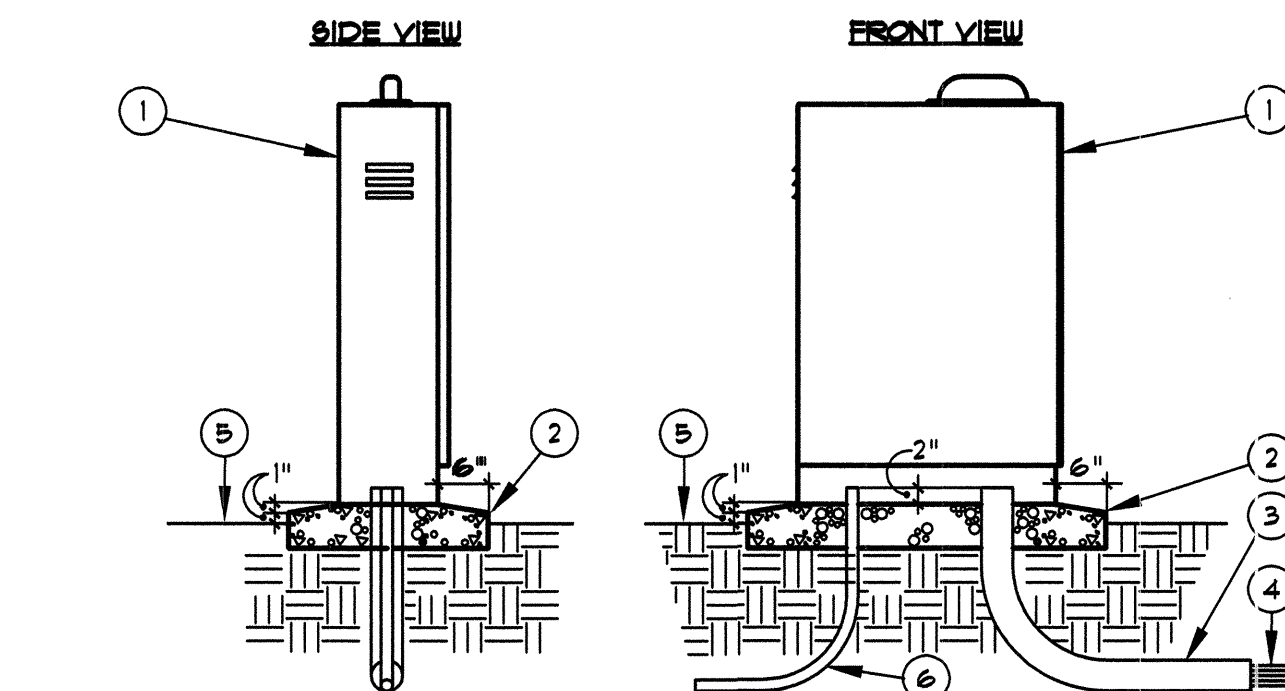
SYSTEM PERFORMANCE INFORMATION CHART									
VALVE NO.	VALVE TYPE	HEAD TYPE	NOZZLE	HEAD SPACING	HEAD GPM	TOTAL GPM	OPER PRESS	FRECIP RATE	TIME FOR 50' FRECIP
Y-1	HARDIE 100-1	N/A	N/A	N/A	N/A	19.0	50	N/A	N/A
	N/A	TORO 512Z	FB-50	N/A	50	16.5	50	N/A	N/A
	N/A	TORO 512Z	FB-100	N/A	10	2.0	50	N/A	N/A
Y-2	HARDIE 100-1	N/A	N/A	N/A	N/A	14.0	50	N/A	N/A
	N/A	TORO 512Z	FB-50	N/A	50	11.5	50	N/A	N/A
	N/A	TORO 512Z	FB-100	N/A	10	2.0	50	N/A	N/A

IRRIGATION LEGEND

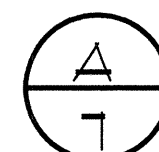
-  13" PROPOSED WATER METER AND 15" TAP.
- == == ==
24-VOLT WIRE SLEEVES, SIZE 2".
- == == ==
-  SLEEVE PIPING FOR IRRIGATION MAIN LINE, CLASS 200 SDR-21, SOLVENT WELD PVC, SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED. SLEEVE DEPTH SHALL BE 28".
-  MANUAL VALVE ASSEMBLY MATCO 514 SERIES BRONZE BODY GATE VALVE WITH CROSBY HANDLE SIZE 15"
SEE C.O.A. STANDARD DETAIL 2106
-  BACKFLOW PREVENTER ASSEMBLY, FEBCO F-165-15" REDUCED PRESSURE VACUUM BREAKER BACKFLOW PREVENTER WITH 1/2" WATER VALVE AND 1/4" MULTI-JET MASTER METER UNIT IN HOT BOX 2 ENCLOSURE. INSTALL MASTER METER BETWEEN MASTER VALVE AND FV8 WITH GALVANIZED UNIONS AND 1 1/2" GALVANIZED REDUCER BUSHINGS
SEE C.O.A. STANDARD DETAIL 2102 (SIMILAR)
-  IRRIGATION MAINLINE SCH. 40 BELL END, SOLVENT WELD PVC, SIZE 15", 28" DEPTH OF BURY.
- AUTOMATIC VALVE ASSEMBLY, HARDIE 100 SERIES SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL, MANUAL OPERATION, AND WITH E2002 DC LATCHING SILICONIDS. SIZE AS SHOWN ON PLAN
SEE C.O.A. STANDARD DETAIL 2103
- C LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 18" DEPTH OF BURY.
-  SOLVENT WELD CAP, SCH. 40 PVC SIZE.
- IRRIGATION CONTROLLER MOTOROLA SCORPION M56-16-S1 8 STATION CONTROLLER WITH 24 VOLT SURGE PROTECTION AND V-3208 KEYBOARD A774-4928 ANTENNA IN TORO STAINLESS STEEL ENCLOSURE ON CITY FREQ.
SEE DETAIL A-1
-  FIXED BUBBLER ASSEMBLY ON A 1/2" RISER. SEE C.O.A. STANDARD DETAILS 2110 AND 2111
- | | | |
|-------|--------|--------|
| MODEL | GPM | F81 |
| 1404 | 10 GPM | 50 F81 |
| 1402 | 50 GPM | 50 F81 |

IRRIGATION NOTES

1. ALL VALVE BOXES SHALL BE SUPPORTED BY CINDER BLOCKS, (MINIMUM 4 PER VALVE BOX). INSTALL BLOCKS IN A MANNER WHICH WILL PREVENT CONTACT WITH PIPING, WIRES, VALVES, ETC. ALL CHU BLOCKS SHALL BE SOLID.
2. MARK ALL 24-VOLT WIRE ENDS WITH 3M STD-09 WIRE MARKER TAPE AT THE VALVE BOX AND CONTROLLER LOCATIONS.
3. ALL 24-VOLT WIRE SHALL BE MARKED WITH A 3" WIDE RED MARKER TAPE AND MARKED "WARNING-ELECTRICAL". LAY MARKER TAPE HORIZONTALLY 6" ABOVE WIRE.
4. 24-VOLT WIRE SHALL BE IN COMMON TRENCH WITH MAIN LINE AND SHALL HAVE SEPARATE SLEEVE WHEN CROSSING ALL HARD CONSTRUCTION. ALL SLEEVE PIPING FOR 24-VOLT WIRE SHALL BE 2" CLASS 1200 PVC.
5. WHERE PROPOSED PIPING CROSSES EXISTING ASPHALT, THE CONTRACTOR SHALL SAW-CUT REMOVE AND PROPERLY DISPOSE OF WASTE, EXCAVATE, INSTALL SLEEVE PIPING, MAINS AND WIRE, BACKFILL AND COMPACT TO 95%. CONTRACTOR SHALL REPLACE ASPHALT TO MATCH EXISTING PER C.O.A. STANDARD DETAIL #4028.
6. THE CONTRACTOR SHALL ADJUST ALL VALVES AND BUBBLERS FOR OPTIMUM COVERAGE, AND SHALL PROVIDE AND INSTALL NOZZLES OTHER THAN THOSE SPECIFIED AS INSTRUCTED BY THE LANDSCAPE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL TAPE CLOSED ALL SLEEVE PIPE OPENINGS USING DUCT TAPE TO PREVENT DEBRIS FROM ENTERING SLEEVES.
8. CONTRACTOR SHALL EXTEND 120-VOLT A.C. FROM EXISTING POWER TO PROPOSED BACKFLOW LOCATION. ALL ELECTRICAL WORK SHALL BE PER LOCAL CODES AND N.E.C. STANDARDS.
9. ALL EXISTING WATER MAIN LINE LOCATIONS ARE SCHEMATIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO POT HOLE AND FIELD CHECK TO DETERMINE ACTUAL LOCATIONS AS AN INCIDENTAL REQUIREMENT TO THE CONSTRUCTION CONTRACT.
10. THE PROPOSED CONTROLLER LOCATION INDICATED ON THE PLANS IS APPROXIMATE. ACTUAL LOCATION OF THE CONTROLLER SHALL BE DETERMINED BY OWNER'S REPRESENTATIVE IN THE FIELD.
11. THIS SYSTEM WAS DESIGNED AT 50 PSI STATIC WATER PRESSURE AT THE HEAD AND IS GPM. THE CONTRACTOR SHALL VERIFY THE ACTUAL STATIC WATER PRESSURE PRIOR TO CONSTRUCTION AND INFORM THE LANDSCAPE ARCHITECT IN WRITING OF THE RESULTS. A DETERMINATION WILL BE MADE BY THE LANDSCAPE ARCHITECT AS TO WHAT DESIGN MODIFICATIONS MAY NEED TO BE RESOLVED BEFORE ACTUAL CONSTRUCTION BEGINS.
12. HOTBOX ENCLOSURE SHALL BE BEIGE IN COLOR AS MANUFACTURED BY HOTBOX.
13. CONTRACTOR SHALL PAY FOR ALL COSTS ASSOCIATED WITH INSTALLATION OF WATER METER INCLUDING BUT NOT LIMITED TO MATERIALS AND INSTALLATION OF WATER METER, WATER FLOWER'S MOST RECENT STANDARD, PRESSURE TAP, SAW-CUTS, PAVEMENT REMOVALS, PAVEMENT REPLACEMENTS, METER, METER BOX, CONCRETE COLLARS, STAND-BY, PRO-RATA, UTILITY EXPANSION AND OTHER CHARGES, COMPLETE IN PLACE. SEE DRAWINGS FOR METER SIZE.
14. CONTRACTOR SHALL INSTALL ONE EXTRA CONTROL WIRE FROM IRRIGATION CONTROLLER TO EACH VALVE BOX LOCATION.
15. IRRIGATION MAIN LINES, ELECTRIC VALVES, AND VALVE BOXES ARE TO BE LOCATED IN THE MEDIAN COMPONENTS ARE SHOWN IN STREET FOR CLARITY PURPOSES ONLY.



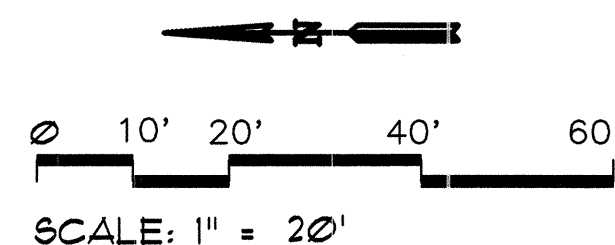
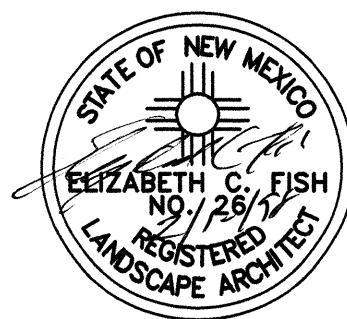
- | | |
|--|---|
| <p>① IRRIGATION CONTROLLER WITH FEDESTAL, SEE IRRIGATION LEGEND. INSTALL TO MANUFACTURER'S STANDARDS</p> <p>② 4000 PSI CONCRETE BASE. 8" MINIMUM THICKNESS. ALL EDGES SHALL BE TOOLED WITH 1/2" RADIUS</p> | <p>③ 4" RIGID PVC LONG SWEEP ELL. EXTEND 12" BEYOND CONCRETE. 24-VOLT WIRES FROM CONTROLLER TO AUTOMATIC VALVES, SEE SPECIFICATIONS</p> <p>④ FINISH GRADE.</p> <p>⑥ 120-VOLT SERVICE IN CONDUIT, PER N.E.C.</p> |
|--|---|



IRRIGATION CONTROLLER AND PEDESTAL

MCD-0165 110295

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 **MORROW & COMPANY, LTD.**
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CITY OF ALBUQUERQUE
C.I.P.

TITLE: 6TH STREET MEDIANS
LANDSCAPE IMPROVEMENTS
IRRIGATION PLAN

Design Review Committee
APPROVED
MAR 16 1998
DESIGN
REVIEW COMMITTEE

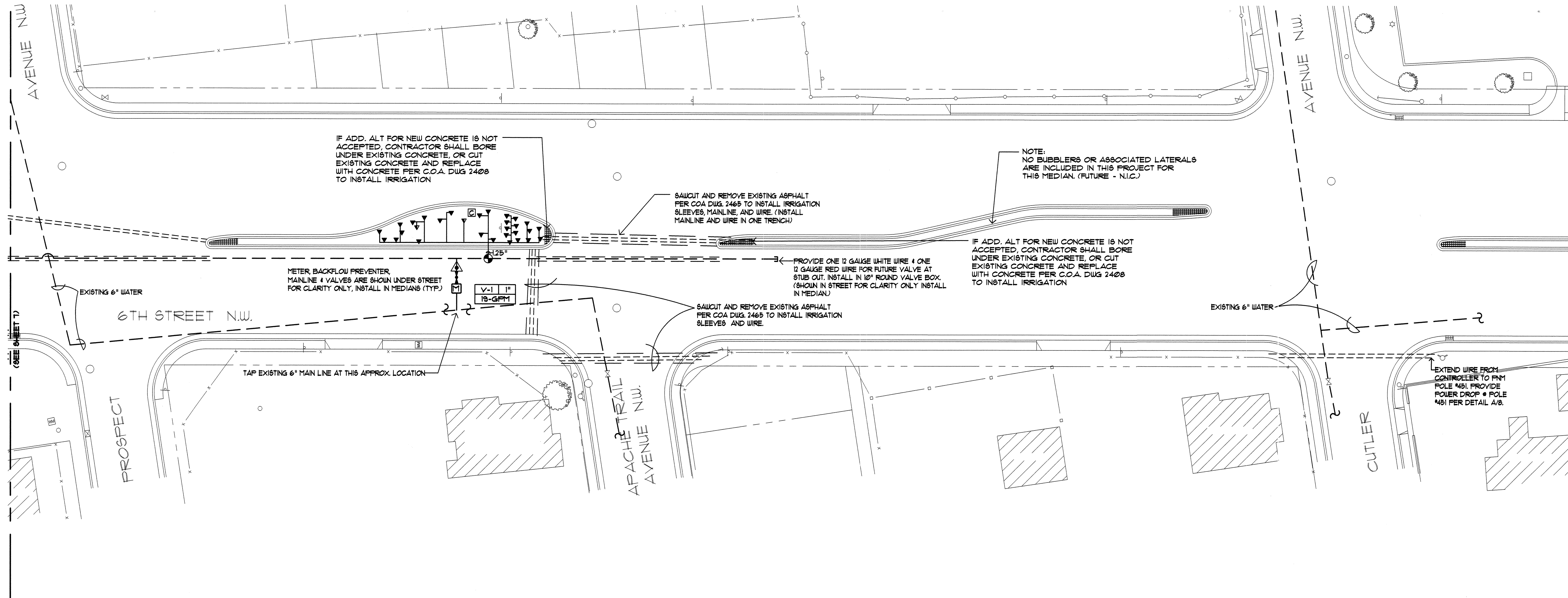
City Engineer Approval

	Last Design Updates				
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CITY PROJECT NO. 4964.06

ZONE MAP NO.
H-14-7

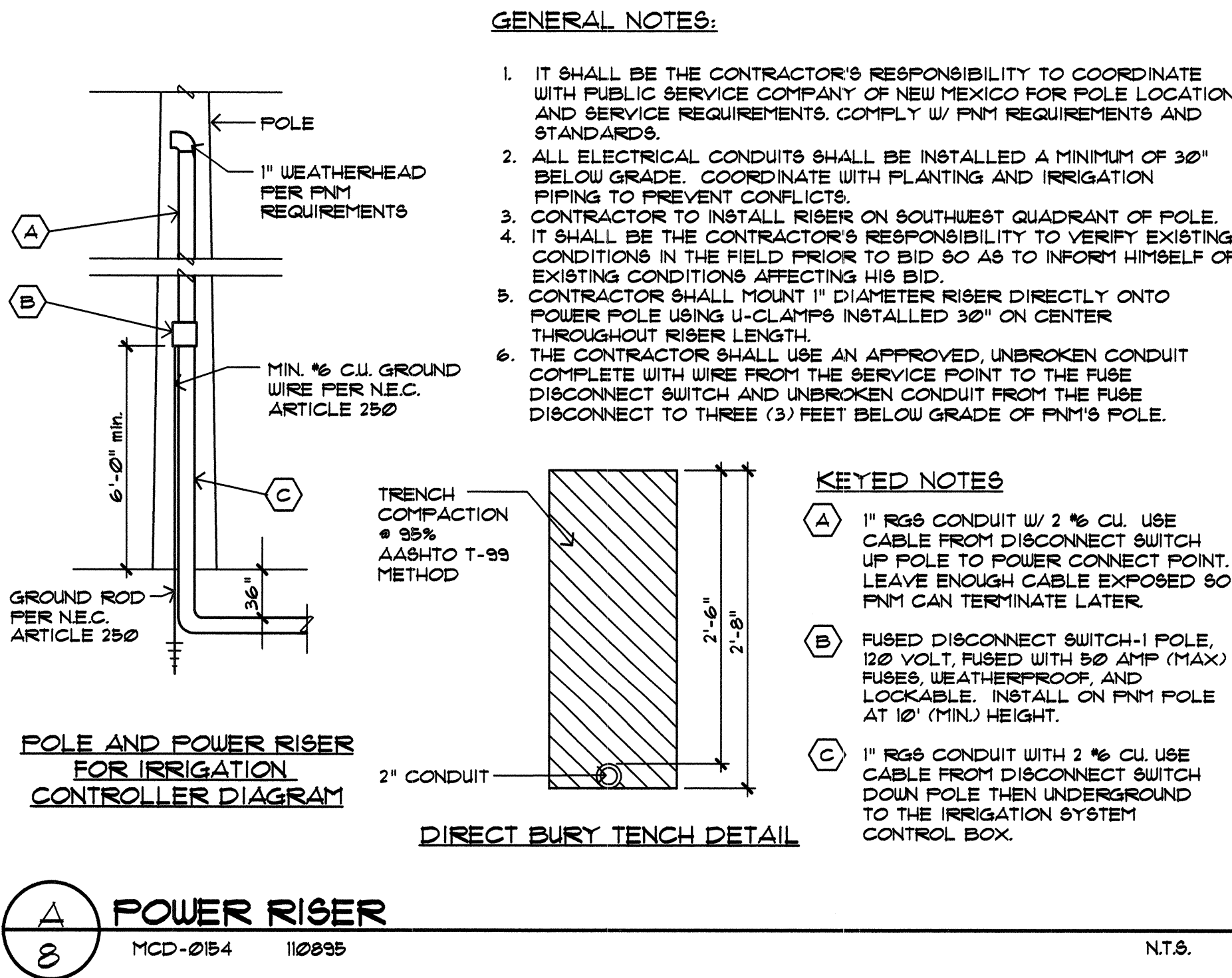
SHEET	7	OF	10
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MEDIANS #3 & #4

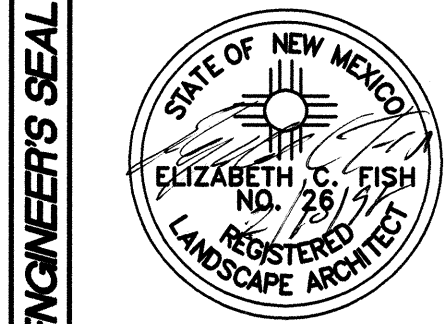
IRRIGATION LEGEND			
	15' PROPOSED WATER METER AND 15' TAP.		
	24-VOLT WIRE SLEEVES, SIZE 2'.		
	SLEEVE PIPING FOR IRRIGATION MAIN LINE, CLASS 200 SDR-21 SOLVENT WELD PVC, SLEEVE SHALL BE TWO SIZES LARGER THAN PIPE TO BE SLEEVED, SLEEVE DEPTH SHALL BE 28'.		
	MANUAL VALVE ASSEMBLY, MATCO 514 SERIES BRONZE BODY GATE VALVE WITH CROSS HANDLE SIZE 15' SEE C.O.A. STANDARD DETAIL 2106		
	BACKFLOW PREVENTER ASSEMBLY, FCBCO F-165-15' REDUCED PRESSURE VACUUM BREAKER BACKFLOW PREVENTER WITH MASTER VALVE AND 11/2' MULTI-JET MASTER METER UNIT IN HOT BOX #2 ENCLOSURE, INSTALL MASTER METER BETWEEN MASTER VALVE AND FVB WITH GALVANIZED UNIONS AND 1 1/2' GALVANIZED REDUCER BUSHINGS SEE C.O.A. STANDARD DETAIL 2102 (SIMILAR)		
	IRRIGATION MAINLINE SCH. 40 BELL END, SOLVENT WELD PVC, 9/16' 15', 28' DEPTH OF BURY.		
	AUTOMATIC VALVE ASSEMBLY, HARDIE 100 SERIES SERIES PLASTIC BODY AUTOMATIC VALVE ASSEMBLY WITH FLOW CONTROL, MANUAL AUTOMATION, AND WITH E2002 DC LATCHING SOLENOIDS, SIZE AS SHOWN ON PLAN SEE C.O.A. STANDARD DETAIL 2103		
	LATERAL PIPING SCH. 40, BELL END, SOLVENT WELD PVC, 10' DEPTH OF BURY.		
	SOLVENT WELD CAP, SCH. 40 PVC 8/16'.		
	IRRIGATION CONTROLLER MOTOROLA SCORPION M56-15-S1 8 STATION CONTROLLER WITH 24 VOLT SURGE PROTECTION AND 1/4-308 KEYBOARD PRA-4908 ANTENNA IN TORO STAINLESS STEEL ENCLOSURE ON CITY FREQ. SEE DETAIL A/1		
	FIXED BUBBLER ASSEMBLY ON A 1/2' RISER. SEE C.O.A. STANDARD DETAILS 2110 AND 2111.		
	MODEL 1404 1402 1401	GPM 10 50 50	F81 F81 F81

SEE SHEET 1 FOR IRRIGATION NOTES

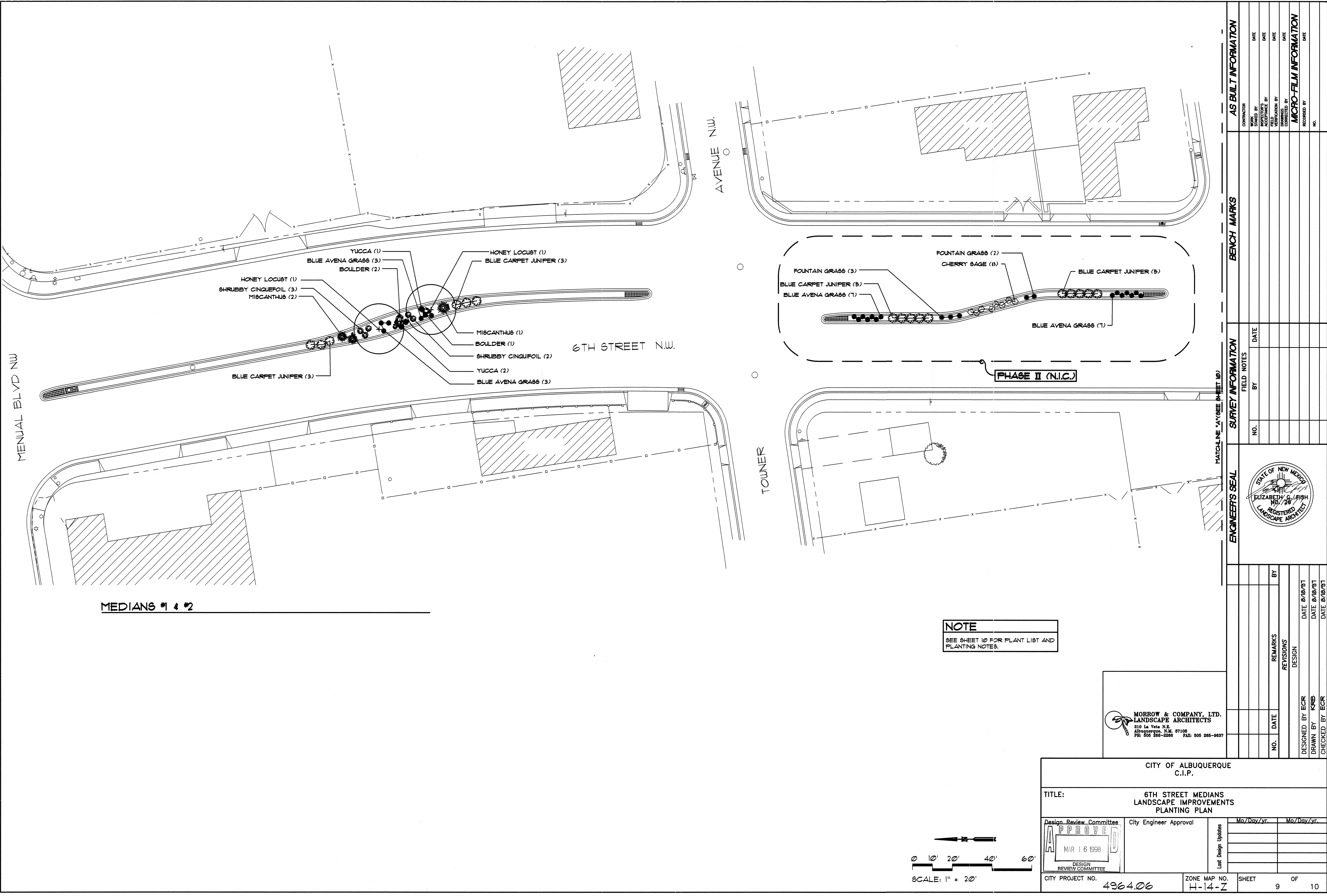


SYSTEM PERFORMANCE INFORMATION CHART									
VALVE NO.	VALVE TYPE	HEAD TYPE	NOZZLE	HEAD SPACING	HEAD GPM	TOTAL GPM	OPER. PRESS.	PRECIP. RATE	TIME FOR 50 PRECIP.
V-1	HARDIE #20-1	N/A	N/A	N/A	N/A	13.0	50	N/A	N/A
	N/A	TORO #10Z	FB-542	N/A	3.0	16.5	50	N/A	N/A
	N/A	TORO #10Z	FB-102	N/A	1.0	2.0	50	N/A	N/A
V-2	HARDIE #20-1	N/A	N/A	N/A	N/A	14.0	50	N/A	N/A
	N/A	TORO #10Z	FB-542	N/A	3.0	11.5	50	N/A	N/A
	N/A	TORO #10Z	FB-102	N/A	1.0	2.0	50	N/A	N/A

CITY OF ALBUQUERQUE C.I.P.			
TITLE: 6TH STREET MEDIANS LANDSCAPE IMPROVEMENTS IRRIGATION PLAN			
Design Review Committee APPROVED MAR 16 1998 DESIGN REVIEW COMMITTEE	City Engineer Approval	Mo/Day/Yr.	Mo/Day/Yr.
CITY PROJECT NO. 4964.06		ZONE MAP NO. H-14-Z	SHEET 8 OF 10

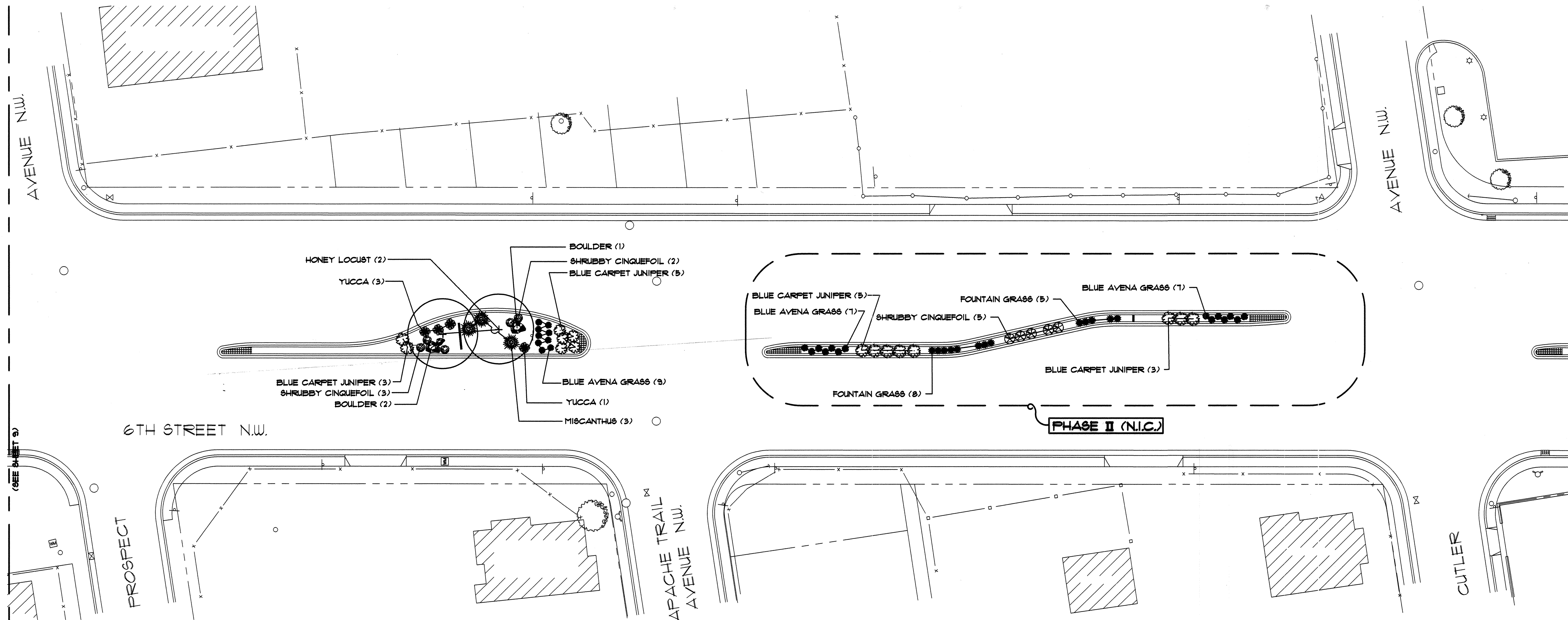


MORROW & COMPANY, LTD.
LANDSCAPE ARCHITECTS
210 La Veta N.E.
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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR				FIELD NOTES			
DRAWN BY				NO.			
INSPECTED BY				BY			
DATE				DATE			
REVISIONS							
DATE							
VERIFICATION BY							
DATE							
COMMENTS							
DATE							
RECORDED BY							
DATE							
NO.							

CITY OF ALBUQUERQUE C.I.P.			
TITLE: 6TH STREET MEDIANS LANDSCAPE IMPROVEMENTS PLANTING PLAN			
Design Review Committee	City Engineer Approval	Mo/Day/Yr	Mo/Day/Yr
APPROVED			
MAR 16 1998			
DESIGN REVIEW COMMITTEE			
CITY PROJECT NO.	4364.06	ZONE MAP NO.	H-14-Z
		SHEET	9 OF 10

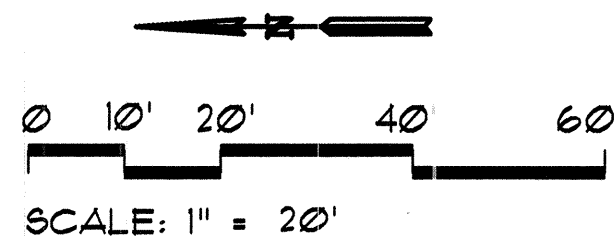


MEDIANS #3 & #4

PLANT LIST					
COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE		COMMENTS
			INSTALLED	MATURE	
TREES					
Honey Locust	Gleditsia triacanthos inermis "Shademaster"	4	2" cal.	30' ht., 25' epd.	30" box
SHRUBS					
Blue Avena	Helictotrichon sempervirens	15	Min. 6"	2' ht. 4' epd.	5 gallon
Blue Carpet Juniper	Juniperus squamata 'Blue Carpet'	14	Min. 18" epd.	12" ht., 4' epd.	5 gallon
Fountain Grass	Pennisetum alopecuroides	18	Min. 12" ht.	3' ht. 4' epd.	5 gallon
Shrubby Cinquefoil	Potentilla fruticosa	10	Min. 12" ht.	30" ht. 4' epd.	5 gallon
Miscanthus	Miscanthus sinensis 'Gracillimus'	6	Min. 12" ht.	5' ht. 3' epd.	5 gallon
Yucca	Yucca recurvifolia	7	Min. 12" ht.	4' ht. 4' epd.	5 gallon

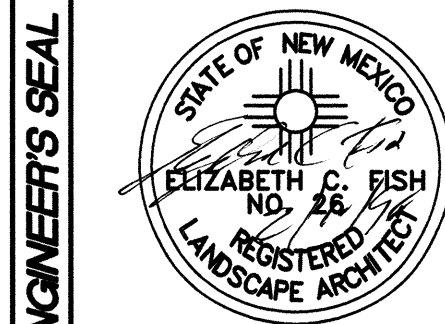
PLANTING NOTES :

- IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLANS, THE QUANTITIES SHOWN ON THE PLANS SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
- A 4" DEPTH OF 1/4"-1/2" 'SANTA FE BROWN' GRAVEL OR A 6"- 8" DEPTH OF COBBLESTONE W/ FILTER FABRIC UNDERNEATH, SHALL BE INSTALLED THROUGHOUT MEDIANS. FILTER FABRIC SHALL BE MIN. 4 OZ. WOVEN POLYPROPYLENE (DEWITT OR EQUIVALENT). OVERLAP ENDS 3'. TURNDOWN TURNDOWN PERIMETER EDGES 6". SEE CONSTRUCTION PLAN FOR GRAVEL MATERIAL.
- THE CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES TREES TO 6 FEET ABOVE FINISH GRADE.
- IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY PLANTS BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "COMMENTS" AND THE CALIPER AND HEIGHT CALLED OUT UNDER "SIZE" THE SPECIFIED TREE MUST MEET THE CALIPER AND HEIGHT REQUIREMENTS SPECIFIED UNDER "SIZE" EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
- BOULDERS SHALL BE 12 CUBIC FOOT TO 18 CUBIC FOOT MOSS ROCK, BURIED TO EXPOSE MAX. 12" OF MASS.
- SHRUBS SHALL BE LOCATED A MINIMUM DISTANCE OF 1/2 THE MATURE SPREAD OF THE SHRUB FROM BACK OF CURB.
- TREES SHALL BE INSTALLED PER C.O.A. DWGS 27101 AND 2714. SHRUBS SHALL BE INSTALL PER C.O.A. DWGS 27111 AND 2711.



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CITY PROJECT NO. 4964.06		ZONE MAP NO. H-14-Z	SHEET 10 OF 10



NO.	DATE	REMARKS	BY
		REVISIONS	DESIGN
DESIGNED BY	ECR	DATE 2/6/98	
DRAWN BY	KRB	DATE 2/6/98	
CHECKED BY	ECR	DATE 2/6/98	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				WORK	DATE
				STAMPED BY	DATE
				APPROVED BY	DATE
				FIELD VERIFICATION BY	DATE
				CORRECTED BY	DATE
MICRO-FILM INFORMATION		RECORDED BY		NO.	