

# EUBANK MEDIAN LANDSCAPE

JUAN TABO TO SPAIN  
CITY OF ALBUQUERQUE

## LANDSCAPE IMPROVEMENTS

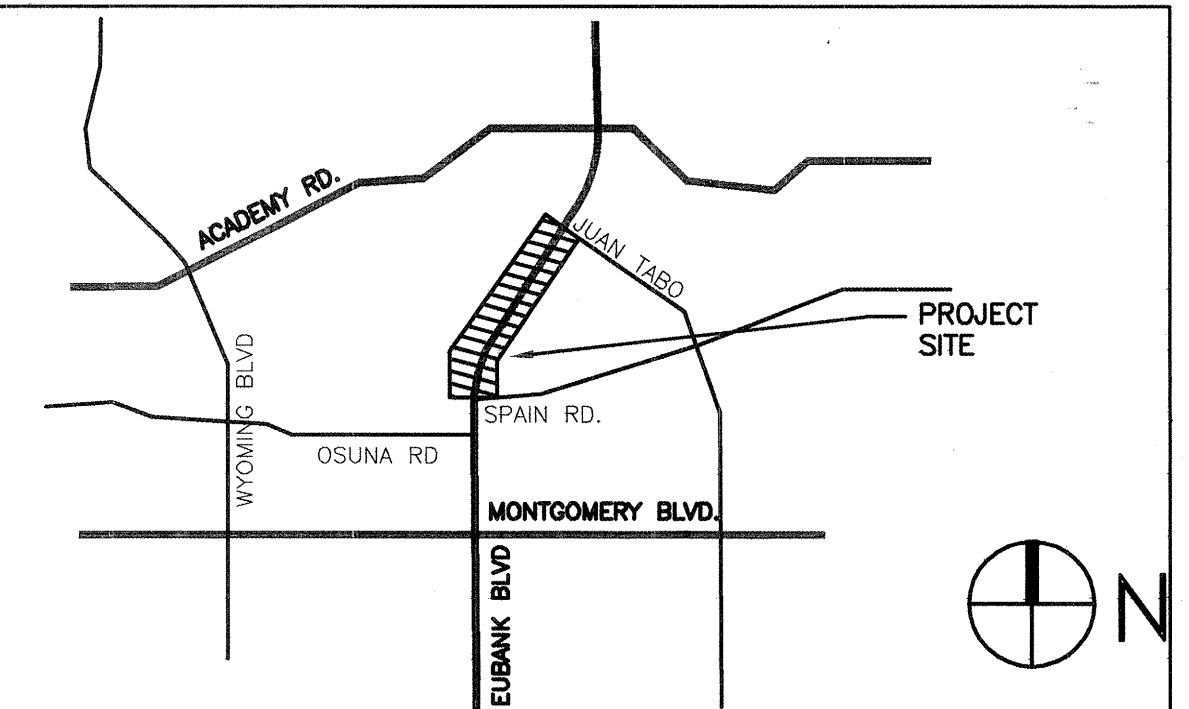
### INDEX

SHEET	DESCRIPTION
1	TITLE SHEET
2-5	PLANTING PLANS
6-9	IRRIGATION PLANS
10	LANDSCAPE DETAILS
11	IRRIGATION DETAILS
12	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)
13	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

TOTAL AREA OF PROJECT: 103,500 SF

### CONSTRUCTION NOTES:

- WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1" WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR PER PLAN.
- THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND 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.
- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.



VICINITY MAP  
NOT TO SCALE  
H-23

#### NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE No.6
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) 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 SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.9 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING CITY FACILITIES. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED IN KIND, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. REPLACEMENTS SHALL BE AT THE CONTRACTOR'S EXPENSE, AS PER C.O.A. SPECS.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

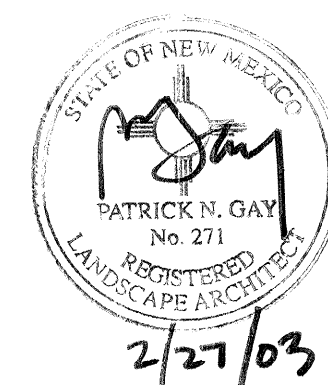
#### THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ 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 THE ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.



5150 A SAN FRANCISCO NE  
ALBUQUERQUE, NM 87109  
PHONE: 505-822-8200  
FAX: 505-822-8282  
E-MAIL: mail@sites-sw.com  
WEB: www.sites-sw.com

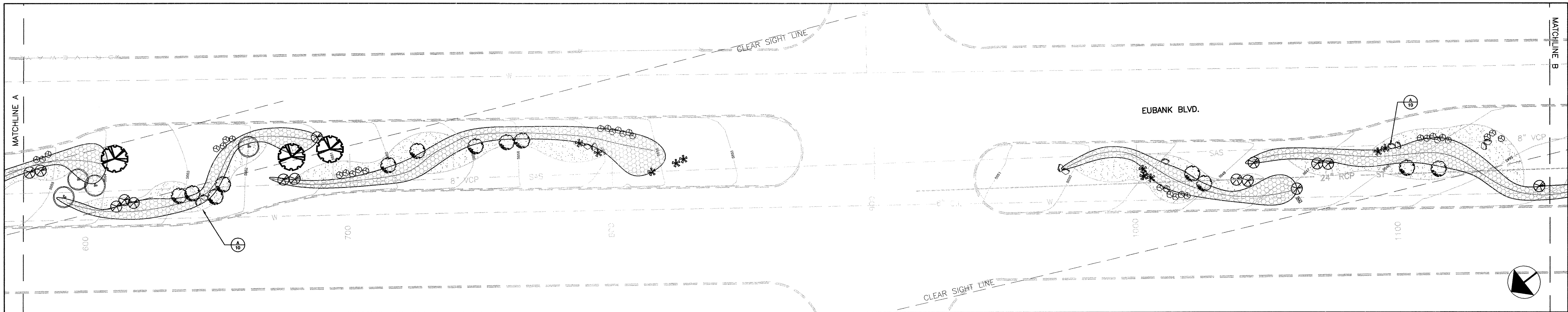
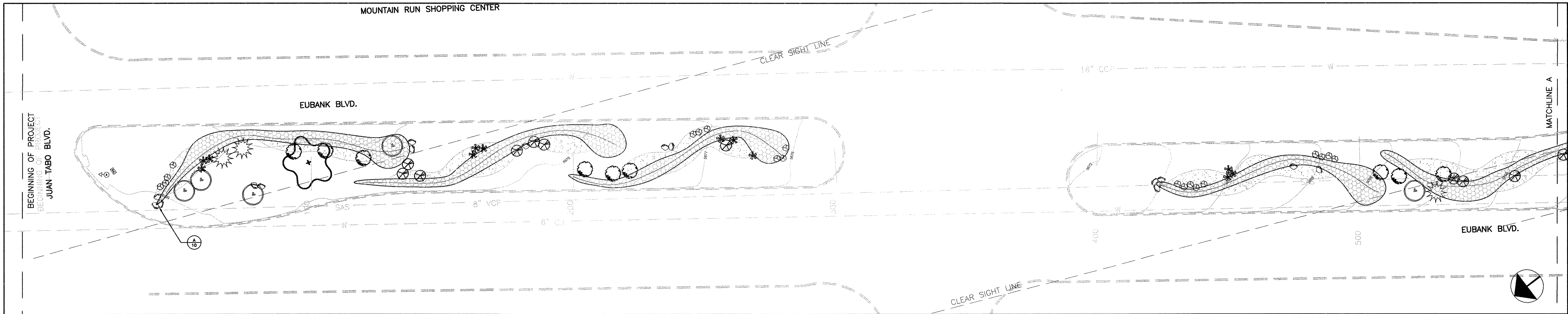
PLANNING  
LANDSCAPE ARCHITECTURE  
MARKET ANALYSIS



REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC Chairman		2-27-03			
		Transportation		02-27-03			
		Utilities		02/26/03			
		Hydrology		2-27-03			
		Const. Coordinat.		2-27-03			
CITY PROJECT NO.					SHEET	OF	
699791					1	13	

02/27/03





PLANT LEGEND INSTALL ALL PLANT MATERIAL AS PER C.O.A. STANDARD DETAILS 2714, 2715, 2716, OR 2717.

SYMBOL	BOTANICAL NAME	COMMON NAME	SHEET QUANTITY	SIZE/NOTES	HT X W
	<i>Chilopsis linearis</i>	DESERT WILLOW	1	15 GAL. 8' min. ht	20' X 20'
	<i>Cercocarpus ledifolius</i>	CURL LEAF MOUNTAIN MAHOGHANY	3	15 GAL.	10' X 6'
	<i>Caesalpinia gilliesii</i>	BIRD OF PARADISE	9	5 GAL.	6' X 6'
	<i>Yucca faxoniana</i>	PALM YUCCA	3	B&B 6' min ht	15' X 8'
	<i>Ericameris laricifolia</i>	TURPENTINE BUSH	22	5 GAL.	30" X 30"
	<i>Artiplex confertifolia</i>	SHADSCALE	23	5 GAL.	30" X 30"
	<i>Nolina microcarpa</i>	BEARGRASS	22	5 GAL.	30" X 3'
	<i>Salvia greggii</i>	CHERRY SAGE	53	1 GAL.	2' X 3'

PLANTING NOTES

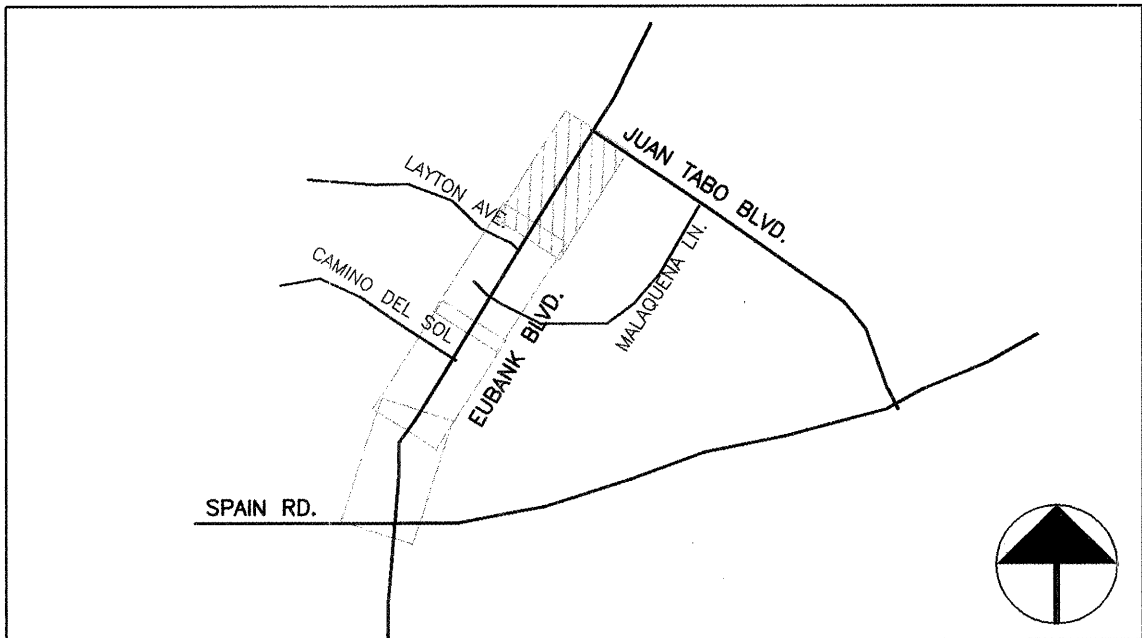
ALL TREES SHALL BE INSTALLED A MINIMUM 6 FOOT DISTANCE FROM FACE OF CURB.  
ALL TREES AND LARGE SHRUBS (>6'HT.) MINIMUM OF 10 FEET FROM THE 8" VCP  
SANITARY SEWER LINE.

ALL MEDIAN AREAS SHALL BE MULCHED WITH A 3" DEPTH OF SANTA ANA TAN  
CRUSHER FINES OVER DEWITT PRO 5 FIVE OUNCE FILTER FABRIC, OR APPROVED EQUAL.  
COMPACT TO 90% PD (TYP.), UNLESS OTHERWISE NOTED ON THE PLAN.

MATERIALS LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	GRANITE BOULDERS (MIN. 27 CU.FT. each)	26
	3" DEPTH SANTA FE BROWN CRUSHER FINES OVER DEWITT PRO 5 FIVE OUNCE FILTER FABRIC, OR APPROVED EQUAL. COMPACT TO 90% PD (TYP.) UNLESS OTHERWISE NOTED ON PLANS.	
	6" DEPTH 2"-4" SANTA ANA TAN COBBLE OVER DEWITT PRO 5 FIVE OUNCE FILTER FABRIC, OR APPROVED EQUAL	

KEY MAP



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM

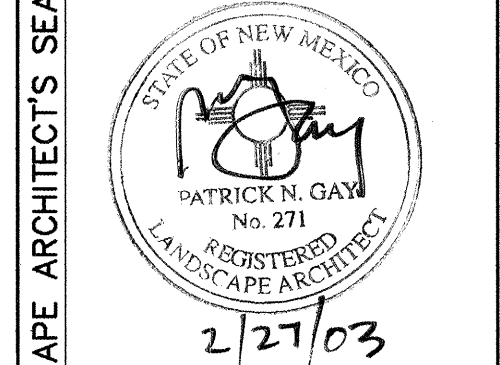
EUBANK BOULEVARD MEDIANS  
LANDSCAPE PLANS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 699791	Zone Map No. E-21,F-21	Sheet 2	Of 13

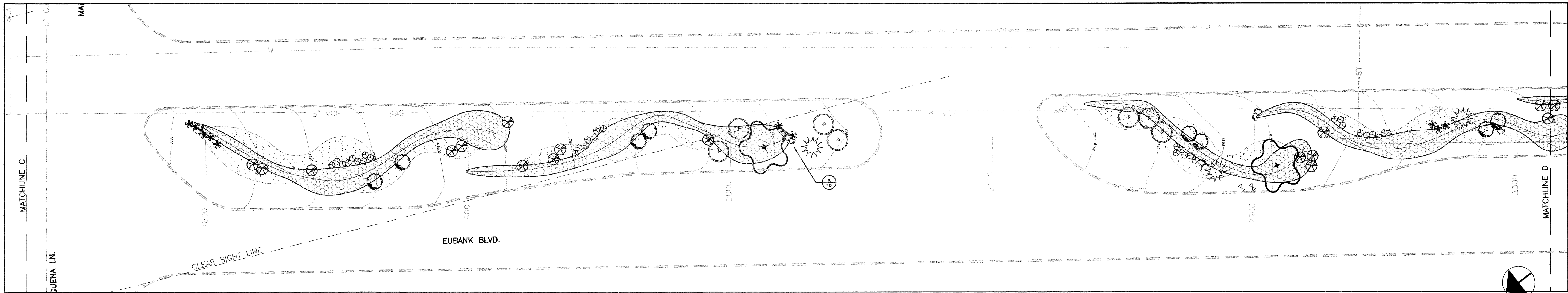
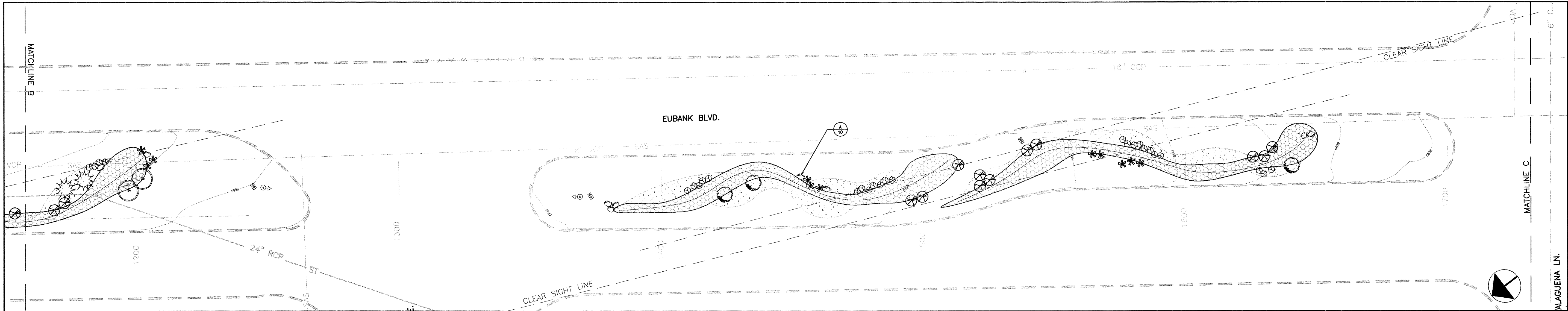
AS-BUILT INFORMATION			
CONTRACTOR	DATE		
DESIGNED BY	DATE		
APPROVED BY	DATE		
FIELD CHECKED BY	DATE		
REVISIONS BY	DATE		
CORRECTED BY	DATE		
MICRO-FILM INFORMATION			
RECORDED BY	DATE		
NO.			

BENCH MARKS			
BENCHMARK INFO:	STATION IS A 3 1/4" ALUMINUM TABLET, SET IN CONCRETE, FLUSH WITH THE TOP OF CURB. STAMPED ACS.31-F21. LOCATED AT THE INTERSECTION OF MONTGOMERY BLVD AND MORRIS STREET. X= 418.052.80 Y=1,502.943.10 ELEV= 5636.733		

SURVEY INFORMATION			
FIELD NOTES	NO.	BY	DATE



No.	Date	REMARKS	BY
		REVISIONS	
		DESIGN	
Designed By:	ML/PAA/CD	DATE:	2/27/03
Drawn By:	ML/PAA/CD	DATE:	2/27/03
Checked By:	PG	DATE:	2/27/03



PLANT LEGEND INSTALL ALL PLANT MATERIAL AS PER C.O.A. STANDARD DETAILS 2714, 2715, 2716, OR 2717.

SYMBOL	BOTANICAL NAME	COMMON NAME	SHEET QUANTITY	SIZE/NOTES	HT X W
	<i>Chilopsis linearis</i>	DESERT WILLOW	2	15 GAL. 8' min. ht	20' X 20'
	<i>Cercocarpus ledifolius</i>	CURL LEAF MOUNTAIN MAHOUGHANY	0	15 GAL.	10' X 6'
	<i>Caesalpinia gilliesii</i>	BIRD OF PARADISE	9	5 GAL.	6' X 6'
	<i>Yucca faxoniana</i>	PALM YUCCA	5	B&B 6' min ht	15' X 8'
	<i>Ericameris laricifolia</i>	TURPENTINE BUSH	11	5 GAL.	30" X 30"
	<i>Artiplex confertifolia</i>	SHADSCALE	28	5 GAL.	30" X 30"
	<i>Nolana microcarpa</i>	BEARGRASS	21	5 GAL.	30" X 3'
	<i>Salvia greggii</i>	CHERRY SAGE	57	1 GAL.	2' X 3'

PLANTING NOTES

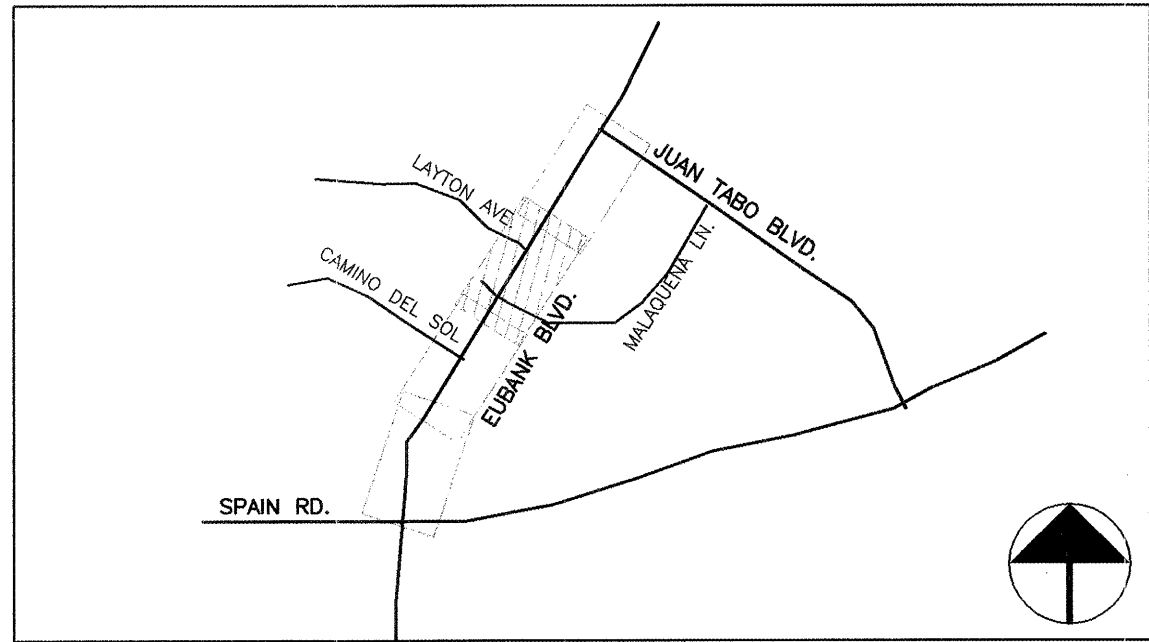
ALL TREES SHALL BE INSTALLED A MINIMUM 6 FOOT DISTANCE FROM FACE OF CURB.  
ALL TREES AND LARGE SHRUBS (>6'HT.) MINIMUM OF 10 FEET FROM THE 8" VCP  
SANITARY SEWER LINE.

ALL MEDIAN AREAS SHALL BE MULCHED WITH A 3" DEPTH OF SANTA ANA TAN  
CRUSHER FINES OVER DEWITT PRO 5 FIVE OUNCE FILTER FABRIC, OR APPROVED EQUAL.  
COMPACT TO 90% PD (TYP.), UNLESS OTHERWISE NOTED ON THE PLAN.

MATERIALS LEGEND

SYMBOL	DESCRIPTION	QUANTITY
	GRANITE BOULDERS (MIN. 27 CU.FT. each)	19
	3" DEPTH SANTA FE BROWN CRUSHER FINES OVER DEWITT PRO 5 FIVE OUNCE FILTER FABRIC, OR APPROVED EQUAL. COMPACT TO 90% PD (TYP.) UNLESS OTHERWISE NOTED ON PLANS.	
	6" DEPTH 2"-4" SANTA ANA TAN COBBLE OVER DEWITT PRO 5 FIVE OUNCE FILTER FABRIC, OR APPROVED EQUAL	

KEY MAP



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM

EUBANK BOULEVARD MEDIANS  
LANDSCAPE PLANS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 699791	Zone Map No. E-21,F-21	Sheet 3	Of 13

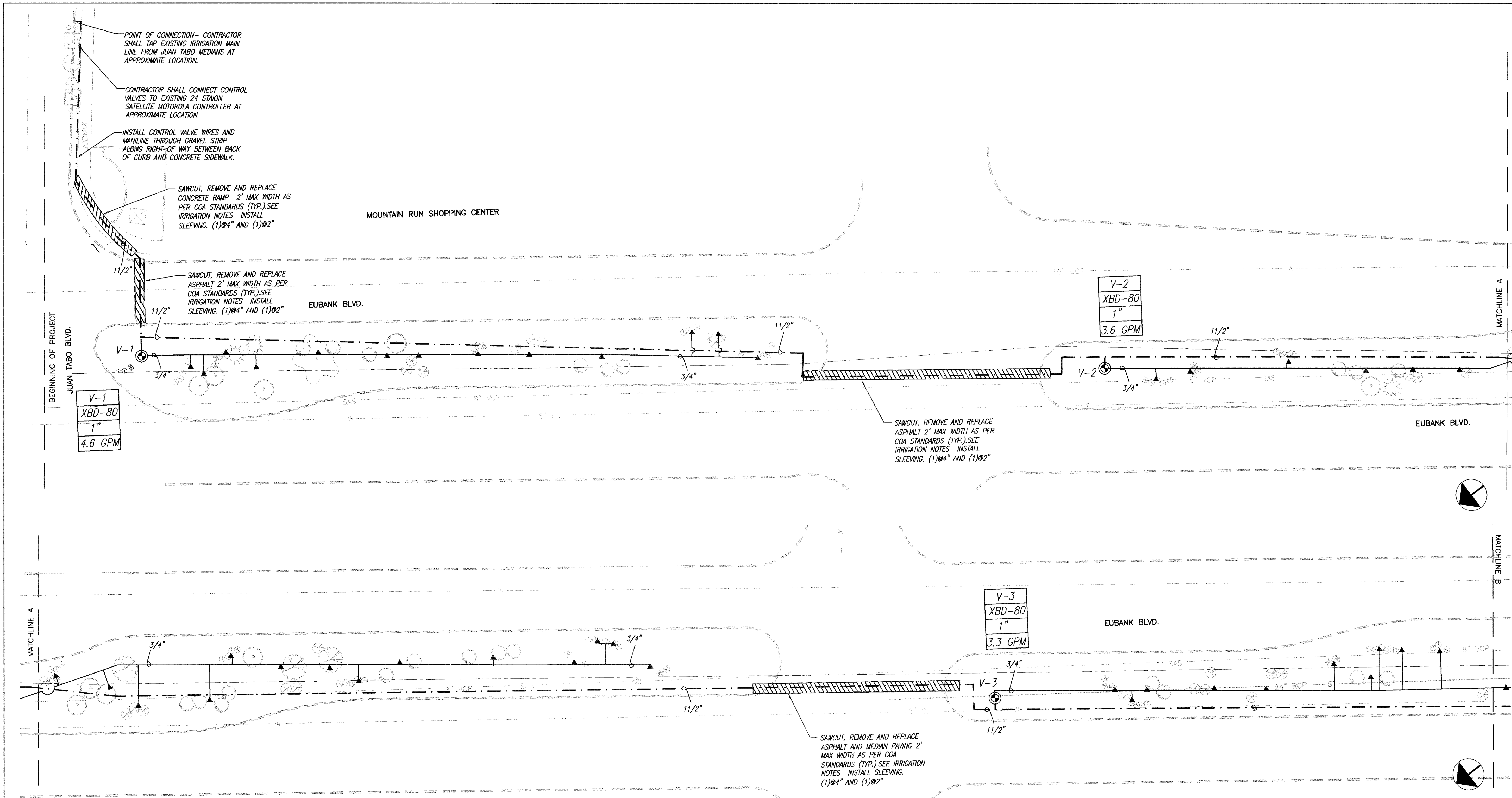












IRRIGATION LEGEND

- ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED AS PER CITY OF ALBUQUERQUE STANDARD DRAWING INDICATED OR AS PER THE DETAILS.
- EXISTING 24 STATION SATELLITE MOTOROLA V-2 CONTROLLER (MODEL IS-S3A-RN-SS) IN AN INTERSPEC BOX WITH 120 V AND 24-VOLT SURGE PROTECTION, ANTENNA WITH MOTOROLA HT750 RADIO, INTERFACE AND CABLE.
  - EXISTING 1 1/2" WATER METER.
  - EXISTING ARAD 1 1/2" FLOW METER/ MASTER VALVE WITH RPBA
  - RAINBIRD XCZ-100 1" CONTROL ZONE KIT
  - RAINBIRD XBD-82. INSTALL TWO (2) RAINBIRD XERI-BUG PRESSURE COMPENSATING EMITTERS, XB-20 (2 GPH) PER PERENNIAL/SHRUB, AND FOUR (4) PC-18 (18 GPH) PER TREE UNLESS OTHERWISE STATED ON THE PLANS.
  - CHAMPION 300 SERIES MANUAL DRAIN VALVE, SIZE AS PER MAINLINE PIPE SIZE. INSTALL IN BROOKS MODEL 1419 BOX W/BOLT DOWN LID
  - MAINLINE: SIZE AS PER PLAN, MATERIAL AS PER SPECIFICATIONS
  - SCHEDULE 40 LATERALS SIZE AS PER PLAN
  - IRRIGATION SLEEVES--SLEEVES TO BE SIZED TWO SIZES LARGER THAN THE PIPE TO BE SLEEVED, UNLESS NOTES ON THE PLANS.
- DETAIL: A/11  
DETAIL: C/11  
DETAIL: B/11

IRRIGATION NOTES

CONTRACTOR SHALL REPLACE, IN KIND, ALL EXISTING STREET PAVEMENT, CURB AND GUTTER AND SIDEWALK, DISTURBED DUE TO INSTALLATION OF WATER METER, SERVICE AND SLEEVES. REFERENCE C.O.A STD DWGS # 2301, WATERLINE CONNECTION, #2430, SIDEWALK, #2415, CURB AND GUTTER AND #2465, ARTERIAL/COLLECTOR STREET SECTION.

ALL WORK TO BE PERFORMED WITHIN THE PUBLIC RIGHT OF WAY.

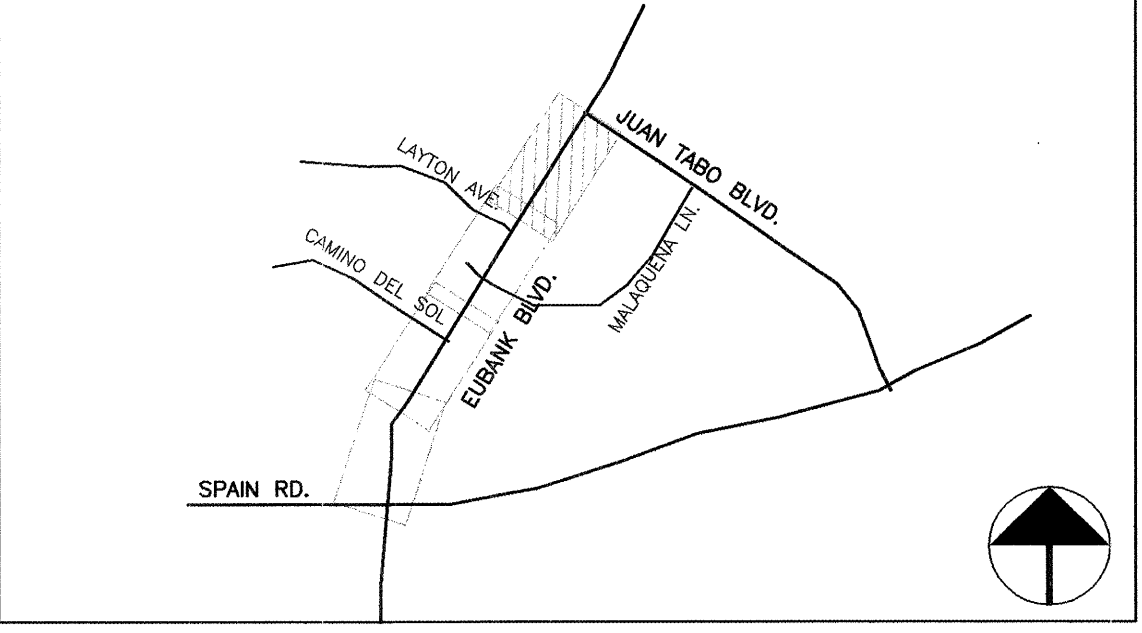
ALL PARTS SPECIFIED TO INSURE QUALITY AND COMPATIBILITY WITH EXISTING COA SYSTEMS. ANY SUBSTITUTIONS SHALL BE SUBMITTED TO COA PROJECT MANAGER FOR APPROVAL AT LEAST SEVEN (7) DAYS PRIOR TO BID DATE.

IRRIGATION SYSTEM AS SHOWN WAS DESIGNED WITH AN ESTIMATED 52 PSI STATIC (P.O.C. @ JUAN TABO). CONTRACTOR SHALL FIELD VERIFY STATIC PRESSURE PRIOR TO THE START OF WORK. IF FIELD CONDITIONS ARE OTHER THAN AS STATED, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK.

VALVE LEGEND

V-5	VALVE NUMBER
2"	VALVE SIZE
53.6	GPM
BUB	HEAD TYPE

KEY MAP



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE	NO.	BY	DATE	NO.	BY	DATE
INSPECTOR'S	DATE						
FIELD	DATE						
REVISIONS	DATE						
MICRO-FILM INFORMATION		REVISIONS		DESIGN		DATE: 2/27/03	
RECORDED BY	DATE	No. Date		REMARKS		DATE: 2/27/03	
						Designed By: ML/PAA/CD	
						Drawn By: ML/PAA/CD	
						Checked By: PG	

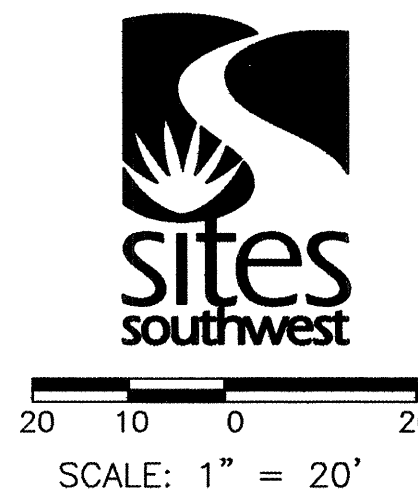
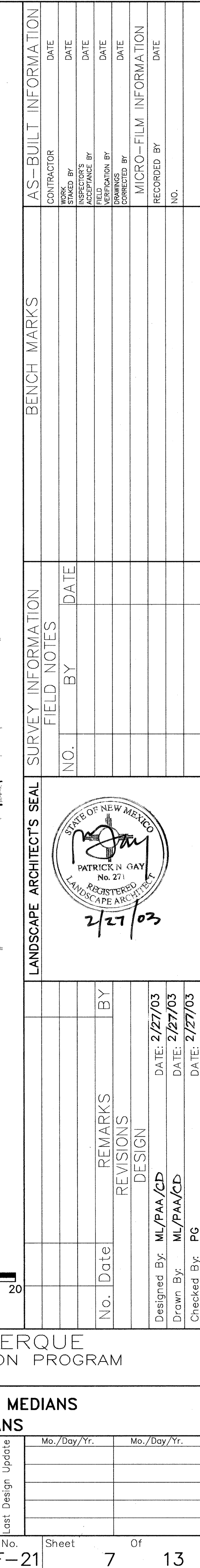
CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM

**EUBANK BOULEVARD MEDIANS  
IRRIGATION PLANS**

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

City Project No. 699791 Zone Map No. E-21,F-21 Sheet 6 Of 13





## EUBANK BOULEVARD MEDIANS IRRIGATION PLANS

Design Review Committee

City Engineer Approval
------------------------

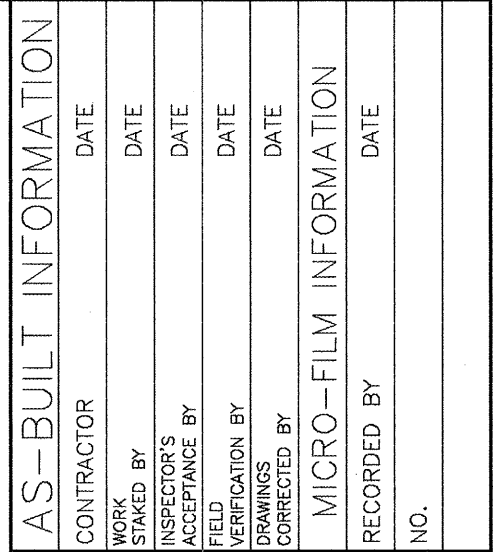
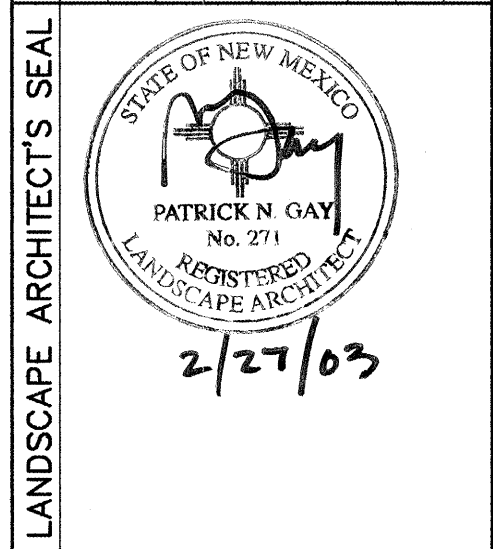
City Project No.

Zone Map No.	
--------------	--

Sheet

---



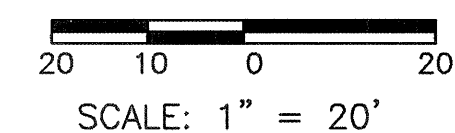
[illegible]


No.	Date	REMARKS	BY		
REVSIONS					
DESIGN					
Designed By:			ML/PAA/CD	DATE:	2/27/03
Drawn By:			ML/PAA/CD	DATE:	2/27/03
Checked By:			Pg	DATE:	2/27/03

P:\02031\013-Eubank Medians\dwg\100%\02031-013irr.dwg 2-18-03 01:44:13 PM cdepugh





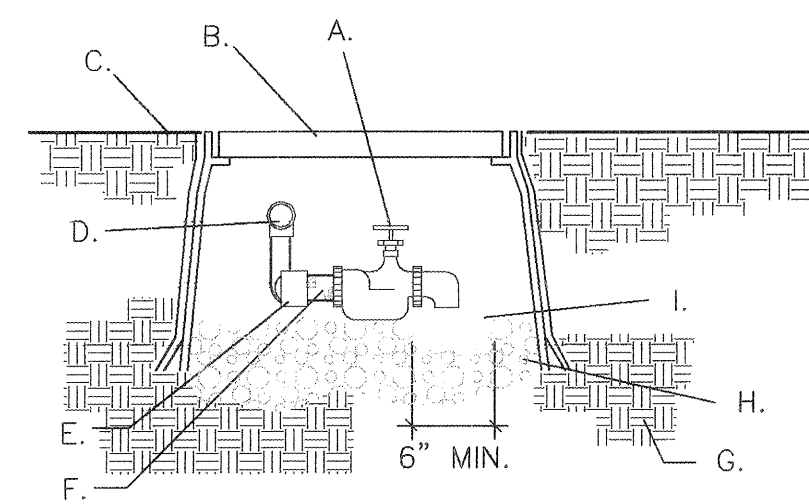


	<h1 style="margin: 0;">CITY OF ALBUQUERQUE</h1> <h2 style="margin: 0;">CAPITAL IMPLEMENTATION PROGRAM</h2>			
<h3 style="margin: 10px 0;">EUBANK BOULEVARD MEDIANS</h3> <h3 style="margin: 0;">LANDSCAPE DETAILS</h3>				
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	699791	Zone Map No.	E-21, F-21	Sheet
				Of
				10 13

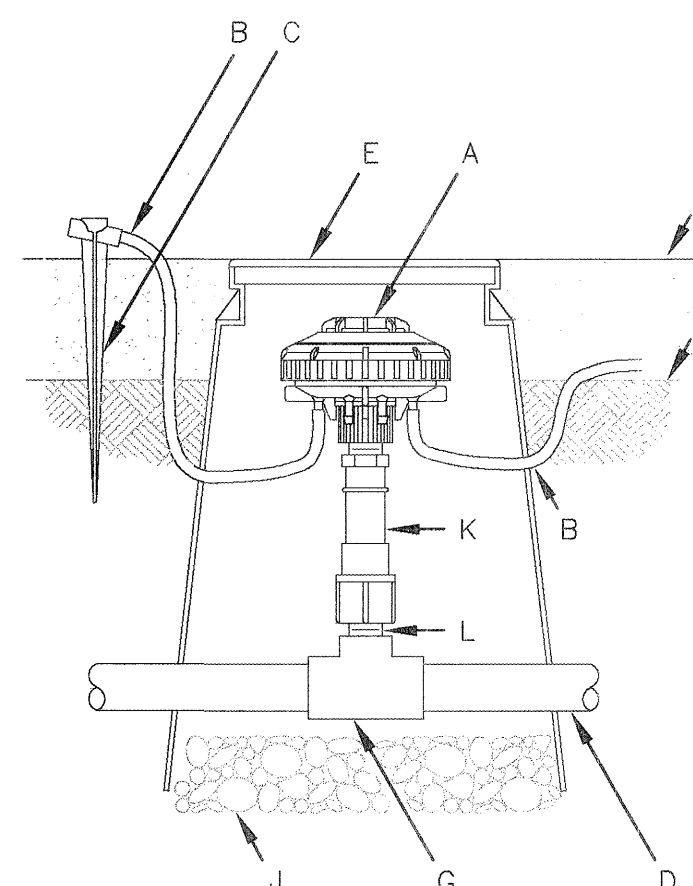


- 
- A detailed technical cross-section of a cable-stayed bridge deck. The drawing shows the internal structure, including the deck slab, internal bracing, and the cable-stayed system. Numbered callouts (1-19) identify various components: 1. Top deck slab; 2. Internal bracing; 3. Cable stay; 4. Cable stay anchor; 5. Cable stay bracket; 6. Cable stay cable; 7. Cable stay cable; 8. Cable stay cable; 9. Cable stay cable; 10. Cable stay cable; 11. Cable stay cable; 12. Cable stay cable; 13. Cable stay cable; 14. Cable stay cable; 15. Cable stay cable; 16. Cable stay cable; 17. Cable stay cable; 18. Cable stay cable; 19. Cable stay cable. A dimension line indicates a distance of 5" MIN. between two points.

**XERIGATION CONTROL ZONE**  
NOT TO SCALE



- MANUAL DRAIN



- 
**MULTI-OUTLET EMITTER**
NOT TO SCALE

[illegible]





CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

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:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
  - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
  - 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.

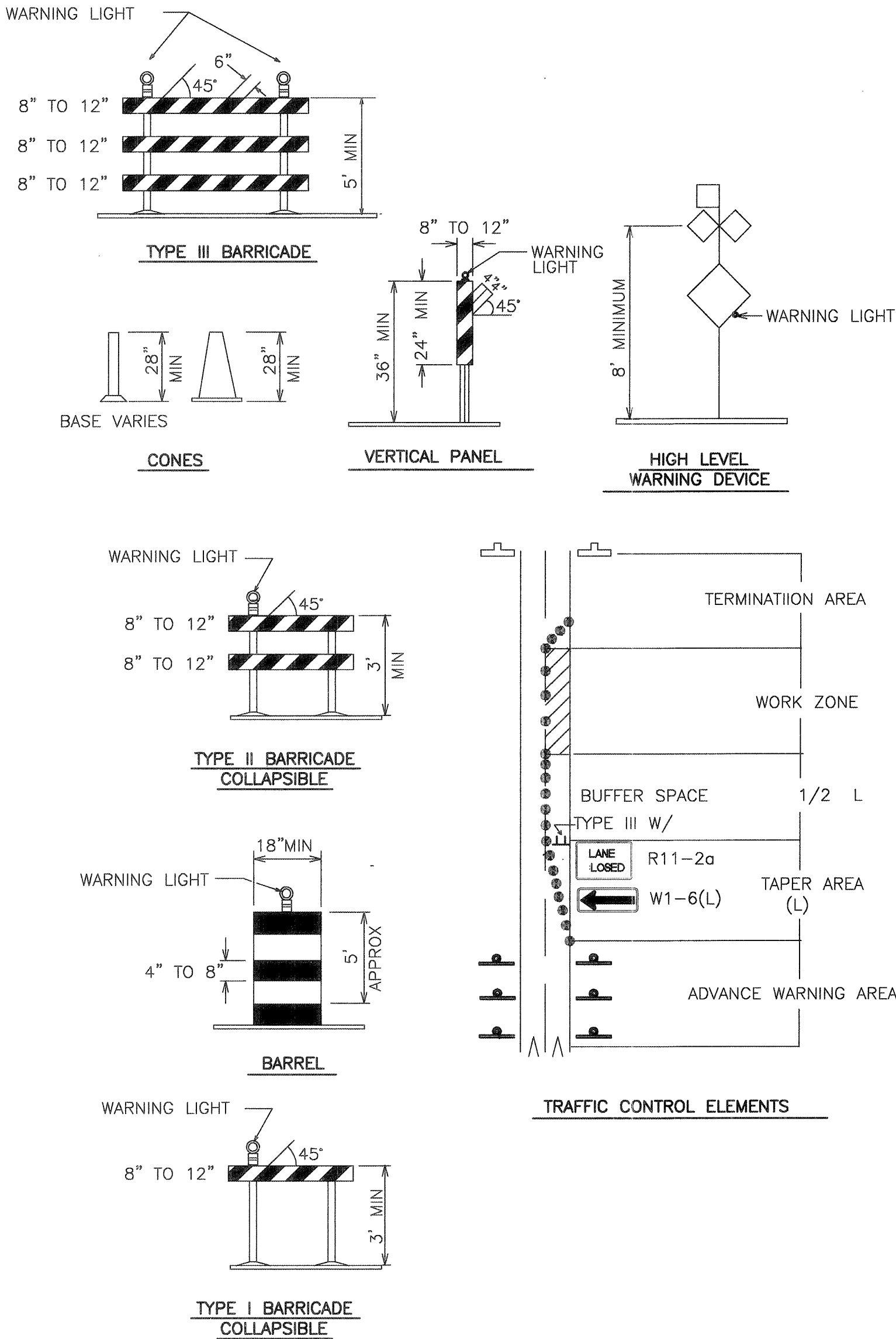
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

SPECIAL PROJECT TRAFFIC CONTROL NOTES

1. NO LANE CLOSURES WILL BE ALLOWED ON EUBANK BLVD. BETWEEN THE HOURS FROM 6:00AM TO 8:30AM, AND FROM 4:00PM TO 6:00PM., MONDAY THROUGH FRIDAY.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE BETWEEN SIGNS	DISTANCE IN FEET 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

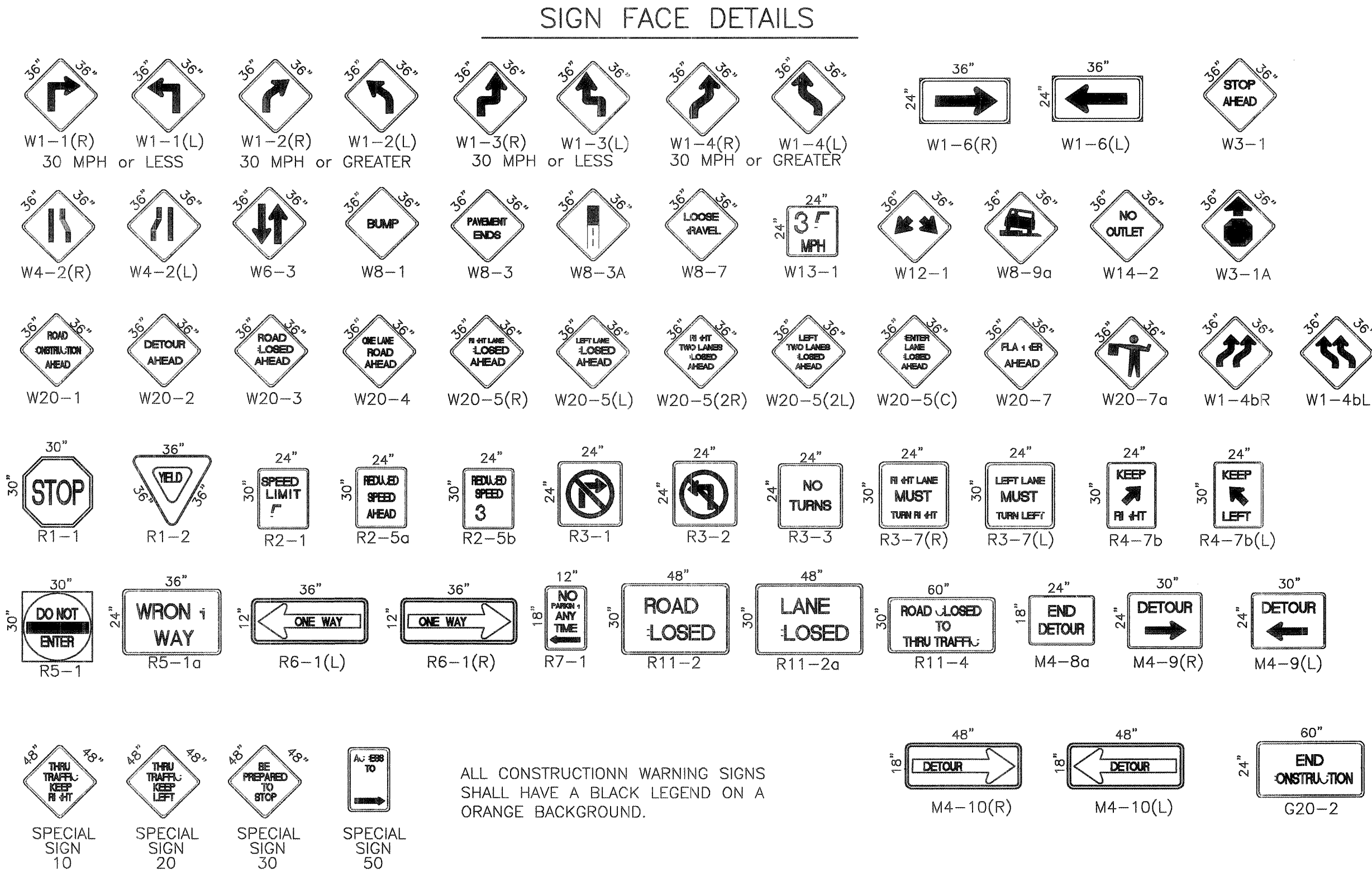
TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
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

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 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



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.