

May 2006

CITY OF ALBUQUERQUE  
PARKS AND RECREATION DEPARTMENT  
DESIGN DEVELOPMENT DIVISION



ON-CALL PROTOTYPE MEDIAN AND  
INTERSTATE LANDSCAPES FY-06B

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NOTE: INDIVIDUAL  
MEDIAN PROJECTS WILL  
BE IN VARIOUS  
LOCATIONS THROUGHOUT  
THE CITY – FINAL  
LOCATIONS ARE YET TO  
BE DETERMINED.

VICINITY MAP

GENERAL NOTES

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 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 ED. AND SHALL INCLUDE UPDATE NO.7
- 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 MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) SEVEN WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY OF ALBUQUERQUE SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISH ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO NEW GRADE, UNLESS OTHERWISE SPECIFIED.

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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
LANDSCAPE ARCHITECT'S SEAL		APPROVALS		ENGINEER	DATE	*****	
		DRC CHAIRMAN		<i>[Signature]</i>	6-5-06	APPROVED FOR CONSTRUCTION	
		TRANSPORTATION		<i>[Signature]</i>	5/19/06		
		WATER/WASTEWATER		<i>William G. Balch</i>	5/25/06		
		HYDROLOGY		<i>WA</i>	5/19/06		
		PARKS & RECREATION					
		CONSTR. COORD.				City Engineer Date	
		ENV. HEALTH					
		City Project Number		777900		Sheet Of	
						1 of 25	



GENERAL NOTES

1. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR SHALL VERIFY THE FOLLOWING WITH THE CITY PROJECT MANAGER:
- A. EXISTING WATER PRESSURE (SEE IRRIGATION NOTE #3).
  - B. ELEVATION DIFFERENCE (SEE IRRIGATION NOTE #3).
  - C. TYPE OF CONTROLLER TO BE INSTALLED.
  - D. RESULTS OF SOIL TEST, IF ANY, TO DETERMINE PRESENCE OF SOIL STERILANTS.
  - E. RESULTS OF BORING TESTS, IF ANY, TO DETERMINE PRESENCE OF SUBSURFACE DEBRIS.
  - F. REQUIRED CLEAR ZONE AT BACK OF CURB (AREA FREE OF PLANTS AND OTHER IMPROVEMENTS) (SEE PLANTING NOTE #6).
  - G. REQUIREMENT FOR CONSTRUCTION OF A DEDICATED PARKING AREA FOR MAINTENANCE VEHICLES, PARKING AREA, IF ANY, SHALL BE PER DETAIL A/3 OR B/3, AS DIRECTED BY THE PROJECT MANAGER.
  - H. PROTOTYPE SELECTION AND LAYOUT.
  - I. TYPE AND COLOR OF MULCH(ES) TO BE INSTALLED.
  - J. TYPE OF PAVING TO BE CONSTRUCTED.
  - K. OBTAIN A COPY OF THE WORK ORDER PLAN FOR USE IN PREPARATION OF RECORD DRAWINGS.
  - L. QUANTITY OF PROJECT SIGNS.
2. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR SHALL PERFORM THE FOLLOWING:
- A. ONLY AS REQUESTED BY THE OWNER, OBTAIN SOIL SAMPLES TO BE USED FOR TESTING FOR SOIL STERILANTS. EACH SAMPLE SHALL CONSIST OF SOIL TAKEN FROM THREE (3) TEST HOLES. HOLES SHALL BE MAX. 12" DEEP AND 12" DIAMETER. SAMPLES SHALL BE SUBMITTED TO A LICENSED SOIL TESTING LAB. TESTS SHALL NOT BE FOR SPECIFIC CHEMICALS, BUT SHALL BE MADE BY SPENDING THE SAMPLE SOIL AND TESTING FOR SUCCESSFUL GERMINATION AND GROWTH.
  - B. ONLY AS REQUESTED BY THE OWNER, PERFORM POT-HOLING TO A DEPTH OF 3' TO DETERMINE PRESENCE OF SUB-SURFACE PAVING OR DEBRIS.
3. CONTRACTOR SHALL REMOVE EXISTING SOIL AS REQUIRED TO ENSURE TOP OF PROPOSED MULCH IS ONE INCH BELOW TOP OF CURB. FOR BIDDING PURPOSES, IT SHALL BE ASSUMED THAT EXISTING FINISH GRADE WITHIN A PROTOTYPE FOD IS FLUSH WITH TOP OF ADJACENT CURB. SOIL TO BE REMOVED WITHIN A FOD THAT IS ABOVE TOP OF CURB SHALL BE REMOVED AND PAID FOR AS A UNIT TO BID ITEM.
4. CONTRACTOR SHALL REMOVE ANY EXISTING DEBRIS AND SUBSURFACE PAVING THAT MAY BE PRESENT TO A THREE FOOT DEPTH BELOW GRADE.
5. SOIL AND DEBRIS REMOVED FROM PROJECT SITE SHALL BE DISPOSED OF IN AN APPROVED WASTE MANAGEMENT SITE.
6. A 4" DEPTH OF MULCH WITH FILTER FABRIC UNDER SHALL BE INSTALLED THROUGHOUT NON-PAVED AREAS OF MEDIANS. FILTER FABRIC SHALL BE MINIMUM FOUR OUNCE WOVEN NEEDLE PUNCHED POLYPROPYLENE. OVERLAP ENDS 3". TURN DOWN EDGES 6". TOP OF MULCH SHALL BE 2" BELOW TOP OF CURB.
7. MULCH FOR MEDIANS SHALL BE AS FOLLOWS:
- A. WHERE PLANTING PLANS SPECIFY 'CRUSHER FINES OR GRAVEL MULCH', CRUSHER FINES SHALL BE A WARM-TONE GRAVEL ('BULDOLOGY BROWN' OR EQUAL) 1/4" MINUS. GRAVEL SHALL BE 3/4"-1" WARM-TONE GRAVEL ('BULDOLOGY BROWN' OR EQUAL) SUBANGULAR GRAVEL.
  - B. WHERE PLANTING PLANS SPECIFY 'COBBLE MULCH', MULCH SHALL BE 2"-4" WARM-TONE ('BULDOLOGY BROWN' OR EQUAL) COBBLE.
- CONTRACTOR TO VERIFY MULCH TYPE AND COLOR WITH CITY PROJECT MANAGER.
8. MEDIAN NOSES SHALL BE PAVED PER DETAIL E/3. MEDIAN NOSE PAVING AND MEDIAN PAVING SHALL BE ONE OF THE FOLLOWING:
- A. STANDARD GRAY, BROOM FINISH CONCRETE
  - B. COLORED, BROOM FINISH CONCRETE
  - C. COLORED, STAMPED CONCRETE
  - D. SPECIALTY SCORED PATTERN IN STANDARD GREY CONCRETE WITH BROOM FINISH
  - E. SPECIALTY SCORED PATTERN IN COLORED CONCRETE WITH BROOM FINISH
  - F. PAVING SHALL MATCH EXISTING PAVING IN ADJACENT AREAS, IF APPLICABLE
- CONTRACTOR SHALL VERIFY PAVING TYPE AND COLOR WITH CITY PROJECT MANAGER. FOR BIDDING PURPOSES, COLOR SHALL BE DAVIS 'SAN DIEGO BUFF' OR EQUAL, 15 LBS BAG OF CEMENT, CONCRETE MIX (INCLUDE MIX CONCRETE WITH COLOR) SHALL BE IN ACCORDANCE WITH C.O.A. STANDARD MIX DESIGN AND SHALL BE CERTIFIED BY THE CITY OF ALBUQUERQUE PRIOR TO USE.
9. CONTRACTOR SHALL PAINT MEDIAN NOSE CURBS WITH TWO COATS YELLOW TRAFFIC PAINT TO 4" BEYOND POINT OF CURVATURE.
10. BOULDERS SHALL BE 18 OF TO 24 OF MOSS ROCK, GRANITE, OR EQUAL AS APPROVED BY THE CITY PROJECT MANAGER. OTHER BOULDERS WILL NOT BE ACCEPTABLE. BOULDERS SHALL BE INSTALLED PER DETAIL F/3.
11. CONTRACTOR SHALL ADJUST EXISTING MANHOLES AND VALVE BOXES TO BE FLUSH WITH TOP OF MULCH OR TOP OF PAVING. CONTRACTOR SHALL FEATHER GRADE AT FULLBOXES AS REQUIRED FOR TOP OF MULCH TO BE FLUSH WITH TOP OF FULLBOX. SEE DETAIL F/4.
12. CONTRACTOR SHALL REPLACE ANY DAMAGED EXISTING FULLBOXES AND/OR VALVE BOXES TO REMAIN WITH NEW BOXES AND/OR COVERS AS REQUIRED TO REPLACE DAMAGED MATERIALS.
13. CONTRACTOR SHALL PROTECT EXISTING UTILITIES, INCLUDING LOOP DETECTORS, FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. CONTRACTOR SHALL REPAIR OR REPLACE UTILITIES DAMAGED BY CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
14. PRIOR TO FINAL PROJECT ACCEPTANCE THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
- A. INSTALL ONE CONTROLLER CHART IN CONTROLLER ENCLOSURE. SUBMIT TWO CONTROLLER CHARTS TO PARK MANAGEMENT.
  - B. HAVE BACKFLOW PREVENTER TESTED, INSPECTED AND TAGGED WITH APPROVAL.
  - C. PROVIDE A STATEMENT SHOWING THAT THE WATER BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR.
  - D. PROVIDE A BILLING STATEMENT FROM THE ELECTRICAL COMPANY SHOWING THAT THE ELECTRIC BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
  - E. SUBMIT RECORD (AS-BUILT) DRAWINGS ON AUTOCADD (TWO ELECTRONIC COPIES ON CD AND ONE PAPER COPY) IN ACCORDANCE WITH THE C.O.A. DPM CHAPTER 21.
    - 1. INCLUDE SQUARE FOOTAGE OF PROJECT.
    - 2. INCLUDE LIST OF PLANTS INSTALLED AND QUANTITY OF EACH.
    - 3. INCLUDE WATER METER ADDRESS.
    - 4. INCLUDE ANY EASEMENTS THAT MAY HAVE BEEN CREATED FOR THE PROJECT (FOR IRRIGATION COMPONENTS OUTSIDE THE RIGHT-OF-WAY).
  - F. PROVIDE KEYS FOR IRRIGATION COMPONENTS TO OWNER.
15. CONTRACTOR SHALL ENSURE COMPLIANCE WITH MAXIMUM HEIGHT OF HARD ELEMENTS PER DETAIL C/3.
16. CONTRACTOR SHALL ENSURE COMPLIANCE WITH MINIMUM HORIZONTAL CLEARANCE PER DETAIL D/3.
17. CONTRACTOR SHALL ENSURE COMPLIANCE WITH CLEAR SIGHT DISTANCES PER DETAILS G/3 AND H/3.
18. NEIGHBORHOOD SIGNS, IF ANY, SHALL BE APPROVED BY THE CITY PROJECT MANAGER AND PARK MANAGEMENT PRIOR TO MANUFACTURE AND INSTALLATION.
19. PRO RATED CHARGES SHALL BE PAID BY THE OWNER.
20. TRAFFIC CONTROL PLANS SHALL BE PER C.O.A. STANDARDS AND MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES). LANE CLOSURES ON INTERSTATES SHALL OCCUR BETWEEN THE HOURS OF 9:00 P.M. AND 5:00 A.M. ONLY.
21. CONTRACTOR SHALL PROVIDE AND IMPLEMENT A STORM WATER PROTECTION PLAN (SWPP) FOR INDIVIDUAL WORK ORDER PROJECTS THAT EXCEED ONE ACRE IN SIZE.
22. CONTRACTOR SHALL OBTAIN A NMDOT PERMIT FOR WORK ON THE INTERSTATE.

IRRIGATION PERFORMANCE CRITERIA AND NOTES

1. METER, BACKFLOW PREVENTER, MASTER VALVE, FLOW METER, AND CONTROLLER SHALL BE LOCATED IN THE MEDIAN. LOCATE ADJACENT TO MAINTENANCE VEHICLE PARKING AREA OR NEAR THE NOSE OF THE MEDIAN WHERE A PARKING AREA IS NOT PROVIDED. ELECTRIC METER SHALL BE LOCATED AS IDENTIFIED IN THE FIELD.
2. NO TRENCHING SHALL OCCUR WITHIN ONE (1) FOOT OF BACK OF CURB.
3. MAINLINE AND LATERALS SHALL BE LOCATED A MINIMUM OF FIVE (5) FEET AWAY FROM BASE OF TREES.
4. A RAINBIRD 'AIR' OR EQUAL AIR RELIEF VALVE SHALL BE INSTALLED AT HIGH POINT OF MAIN LINE PER COA STANDARD DUG. 2105.
5. VALVE BOXES SHALL BE LOCATED MINIMUM 6'-0" FROM EDGE OF TREE ROOT BALL.
6. A MINIMUM OF 36-INCHES SHALL BE PROVIDED BETWEEN ADJACENT VALVE BOXES.
7. CONTRACTOR SHALL PROVIDE THREE (3) BUBBLERS PER TREE.
8. CONTRACTOR SHALL PROVIDE TWO (2) BUBBLERS PER VERTICAL SHRUB.
9. CONTRACTOR SHALL PROVIDE ONE (1) BUBBLER PER SHRUB (OTHER THAN VERTICAL SHRUBS).
10. BUBBLERS SHALL BE LOCATED THREE (3) FEET FROM TREE ROOT BALL, TRIANGULATED AROUND THE ROOT BALL.
11. SHRUB HEADS AND TREE HEADS SHALL BE ZONED ON THE SAME VALVE.
12. BUBBLERS SHALL BE 1" ABOVE TOP OF MULCH.
13. CONTRACTOR SHALL VERIFY EXISTING PRESSURE AND ELEVATION DIFFERENCE FROM POINT OF CONNECTION TO EACH END OF THE PROJECT WITH THE CITY PROJECT MANAGER AND SHALL ENSURE THAT THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE PROPERLY WITHIN THE EXISTING PRESSURE, INCLUDING PRESSURE LOSS FROM TAP THROUGH BACKFLOW PREVENTER AND PRESSURE LOSS FROM ELEVATION CHANGE.
14. CONTRACTOR SHALL INSTALL SLEEVES FOR ALL MAINLINE, LATERAL PIPING AND WIRING UNDER PAVED SURFACES. SLEEVES FOR IRRIGATION LINES SHALL BE CLASS 200 PVC. MINIMUM TWO SIZES LARGER THAN PIPE OR SIZE AS REQUIRED TO ACCOMMODATE LENGTH OF RUN. SLEEVES FOR WIRE SHALL BE MIN. 2", OR SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF WIRE.
15. CONTRACTOR SHALL INSTALL BOULDERS, BOLLARDS, OR OTHER HARD ELEMENT AROUND THE CONTROLLER AND BACKFLOW PREVENTER TO PROTECT THE IRRIGATION COMPONENTS FROM VEHICULAR DAMAGE. CITY PROJECT MANAGER WILL DETERMINE THE APPROPRIATE MATERIAL FOR THE HARD ELEMENT. SEE DETAILS A/2 AND B/2.
16. WATER METER AND SUPPLY LINE BETWEEN METER AND CITY MAIN SHALL BE SAME SIZE AS LARGEST PORTION OF IRRIGATION MAIN LINE.
17. BACKFLOW PREVENTER SHALL BE THE SAME SIZE AS THE WATER METER AND SUPPLY LINE.
18. BACKFLOW PREVENTER SHALL BE A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE.
19. BACKFLOW PREVENTER ENCLOSURE SHALL BE 'HOTROK' INSULATED ENCLOSURE WITH HINGED LID AND CLASP FOR LOCK (LOCK BY OWNER). CONTRACTOR SHALL ENSURE THAT CLASP IS OF ADEQUATE LENGTH TO ACCOMMODATE LOCK.
20. CONTROLLER SHALL BE ONE OF THE FOLLOWING:
- a. IF THERE IS AN EXISTING IRRINET WITHIN COMMUNICATION RANGE OF THE PROJECT SITE, THE CONTROLLER SHALL BE A SCORPIO CONTROLLER.
  - b. IF THERE IS NOT AN EXISTING IRRINET WITHIN COMMUNICATION RANGE OF THE PROJECT SITE, THE CONTROLLER SHALL BE AN IRRINET-XL CONTROLLER. CONTRACTOR SHALL PROVIDE ONE (1) MOTOROLA IS - XL DIAL LAPTOP COMPUTER FOR PROGRAMMING THE IRRINET CONTROLLERS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE CONTROLLERS.
  - c. IF THERE IS NO ELECTRICAL POWER AVAILABLE FOR THE PROJECT SITE, A SOLAR POWERED CONTROLLER WITH COMPLETE SOLAR ASSEMBLY SHALL BE INSTALLED.
21. CONTRACTOR SHALL VERIFY CONTROLLER TYPE WITH THE CITY PROJECT MANAGER.
- A CONTROLLER KEY PAD SHALL BE PROVIDED WITH EACH IRRINET CONTROLLER.
- SOLAR ASSEMBLY FOR SOLAR POWERED CONTROLLERS SHALL INCLUDE THE FOLLOWING:
- SCORPIOS:**
- 20 WATT SOLAR PANEL
  - 21" 2" GALV. STEEL MOUNTING POST
  - MOUNTING BRACKET
  - CONTROLLER REGULATOR
  - 12 AMP BATTERY
- IRRINETs:**
- 2 EA. - 75 WATT SOLAR PANEL
  - 21" 4" GALV. STEEL MOUNTING POST
  - MOUNTING HARDWARE
  - CONTROLLER REGULATOR
  - 2 EA. - 125 AMP BATTERY
  - BATTERY ENCLOSURE
- ASSEMBLY SHALL BE CONSTRUCTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS WITH SOLAR PANEL 6" IT' ABOVE FINISH GRADE.
22. CONTRACTOR SHALL PROVIDE METER, METER PEDESTAL, POWER DROP, AND TWO 120-VOLT, 20 AMP CIRCUITS FROM CLOSEST ELECTRICAL SOURCE TO IRRIGATION CONTROLLER AND BACKFLOW PREVENTER ENCLOSURE (ONE TO EACH). ALL WORK AND MATERIALS SHALL MEET LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.) CONTRACTOR SHALL VERIFY ELECTRICAL SOURCE WITH CITY PROJECT MANAGER. ELECTRIC METER SHALL BE LOCATED AS DIRECTED IN FIELD. CONTRACTOR SHALL VERIFY LOCATION WITH CITY PROJECT MANAGER. POWER DROP SHALL BE PER DTL A/4. METER AND PEDESTAL SHALL BE PER FNM STD DUG. D8-19-111.
23. BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTION DEVICE TESTER.
24. IRRIGATION LINE CROSSINGS BETWEEN MEDIANS SHALL BE PER DETAIL G/4.
25. A 2' CLEARANCE SHALL BE PROVIDED BETWEEN TOP OF GRAVEL IN VALVE BOX AND BOTTOM OF VALVE AND PIPE. DEPTH OF GRAVEL IN VALVE BOX SHALL BE 6".
26. BLOCKS AT BASE OF VALVE BOXES SHALL BE SOLID CMU 4"x8"x16".
27. MAIN LINE SHALL BE INSTALLED ON THE SIDE OF THE MEDIAN ADJACENT TO THE SIDE OF THE STREET WITH THE 1:00 AM LANE CLOSURE. CONTRACTOR SHALL VERIFY APPLICABLE STREET SIDE IN CONJUNCTION WITH THE APPLICATION FOR BARRICADING PERMIT.
28. CONTRACTOR SHALL INSTALL IN-LINE CHECK VALVES ON MAIN LINES WHERE THERE ARE SIGNIFICANT CHANGES IN ELEVATION ON THE MAIN LINE.
29. CONTRACTOR SHALL INSTALL AN AIR RELIEF VALVE AT EACH HIGH POINT ON MAIN LINE.
30. CONTRACTOR SHALL DESIGN THE IRRIGATION SYSTEM FOR EACH WORK ORDER IN ACCORDANCE WITH THE IRRIGATION PERFORMANCE CRITERIA. THE IRRIGATION PLAN FOR EACH PROTOTYPE, AND THE VALVE, LINE, AND WIRE SIZING CHARTS. CONTRACTOR SHALL PROVIDE AN ELECTRONIC COPY OF THE IRRIGATION DESIGN ON AUTOCAD TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK. THE OWNER WILL PROVIDE AN ELECTRONIC DRAWING FILE ON AUTOCAD TO THE CONTRACTOR ON WHICH THE CONTRACTOR SHALL PRODUCE THE IRRIGATION PLAN.

PLANTING NOTES

1. TREES SHALL BE PLANTED PER DETAIL H/4. SHRUBS SHALL BE PLANTED PER DETAIL I/4.
2. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN 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.
3. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY PLANTS BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND HEIGHT & SPREAD CALLED OUT UNDER "SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
4. THE CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES TO 6 FEET ABOVE FINISH GRADE.
5. BALLED AND BURLAPPED TREES ARE AN ACCEPTABLE SUBSTITUTION FOR BOXED TREES IF PLANT MATERIAL SIZE MEETS THE CALIFER, HEIGHT, AND SPREAD REQUIREMENTS SPECIFIED ON THE PLANT LIST AND MEETS THE REQUIREMENTS OF SPECIFICATION SECTION 1005.
6. UNLESS OTHERWISE SPECIFIED, CLEAR ZONE AT BACK OF CURB (AREA FREE OF PLANTS AND OTHER IMPROVEMENTS) SHALL BE 2'-0".
7. MINIMUM DISTANCE BETWEEN SHRUBS AND BETWEEN ORNAMENTAL GRASSES SHALL BE 4' - 0".

VALVE SIZING CHART

GPM	VALVE SIZE
0-15	3/4"
16-30	1"
31-70	1 1/2"
71-100	2"
(MAXIMUM VALVE SIZE SHALL BE 2")	

LINE SIZING CHART

GPM	LINE SIZE
0-5	3/4"
> 5-12	1"
> 12-22	1 1/4"
> 22-30	1 1/2"
> 30-50	2"
> 50-100	2 1/2"
(MAXIMUM PIPE SIZE SHALL BE 2 1/2")	

WIRE SIZING CHART: 24 VOLT CONTROL WIRE

LENGTH OF RUN	WIRE SIZE
0-500 LF	12 GA
OVER 500 LF	10 GA

PROJECTED WATER USE

PROTOTYPE	STANDARD 16" WIDE MEDIAN (INCHES / SQ. FT. / YEAR)	WIDE (30") MEDIAN (INCHES / SQ. FT. / YEAR)
A	14	9.1
B	8	4.5
C	20	14.2
D	9	6.2
E	19	13.4
F	23.6	20.5
G	21	14
H	12	6.3
I	-	-
J	4.2	2.3

EXTENDED WARRANTY

CONTRACTOR SHALL PROVIDE A TWO-YEAR WARRANTY ON THE PROJECT. WARRANTY SHALL BEGIN UPON FINAL ACCEPTANCE OF THE CONSTRUCTION OF EACH WORK ORDER AND SHALL CONTINUE FOR TWO YEARS.

WARRANTY ON IRRIGATION SYSTEM SHALL INCLUDE REPLACEMENT OF DEFECTIVE MATERIALS AND/OR WORKMANSHIP, REPAIR OF DAMAGE DUE TO LINE BREAKS CAUSED BY DEFECTIVE MATERIAL AND/OR WORKMANSHIP, SEASONAL PROGRAMMING OF THE CONTROLLER, ADJUSTMENT OF HEADS, REPAIR OF ANY SETTLEMENT OF TRENCHES, AND GENERAL MONITORING AND ADJUSTMENT OF THE SYSTEM AS REQUIRED TO INSURE HEALTH OF THE PLANTS. CONTRACTOR SHALL COMPLETE REPAIR OF DEFECTIVE MATERIAL WITHIN 24 HOURS OF THE SYSTEM FAILURE AND SHALL COMPLETE REPAIR OF DAMAGES DUE TO LINE BREAKS WITHIN 48 HOURS OF THE LINE BREAK.

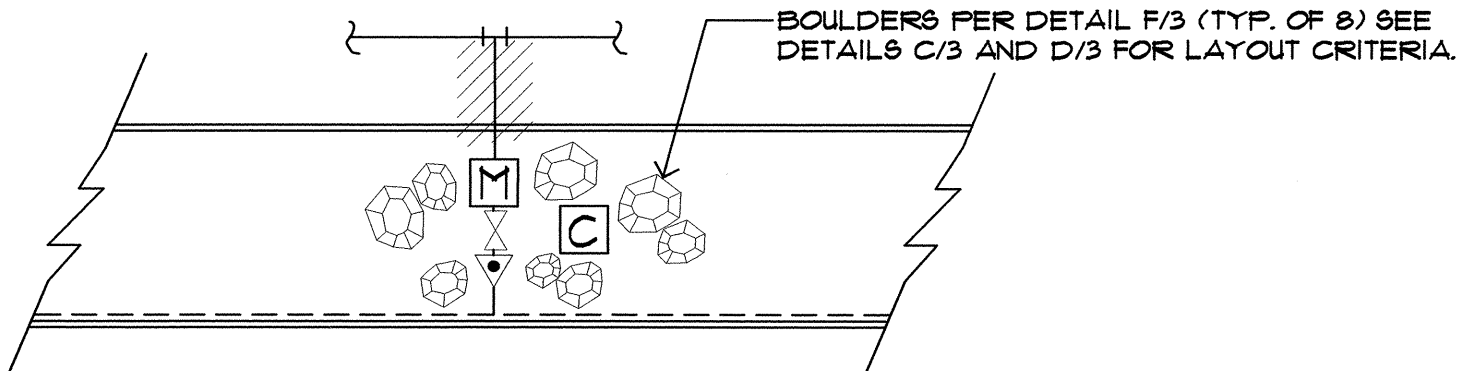
WARRANTY ON PLANTS SHALL INCLUDE WATERING, WEEDING, CULTIVATING, REMOVAL OF DEAD MATERIAL, REMOVAL OF DEBRIS (INCLUDING REMOVAL OF GRAVEL MULCH THAT HAS BEEN DISPLACED FROM THE LANDSCAPE AREAS), RESETTling TREES TO AN UPRIGHT POSITION, RESTORATION OF EARTH BASINS, RESTORATION OF DISTURBED MULCHED AREAS AND SUCH OTHER OPERATIONS AS MAY BE NECESSARY FOR THE HEALTH OF THE PLANTED STOCK AND THE GENERAL APPEARANCE OF THE PROJECT AREA. WEEDING AND REMOVAL OF DEBRIS SHALL BE PERFORMED ON A WEEKLY BASIS.

WARRANTY SHALL INCLUDE REPAIR OR REPLACEMENT OF IRRIGATION, PLANTS, AND/OR MULCH DAMAGED BY TREES, PASS, EROSION (INCLUDING WATERING), WEATHER DISEASE AND THE LIKE. WARRANTY SHALL NOT INCLUDE REPAIR OR REPLACEMENT OF IRRIGATION MATERIALS OR PLANTS THAT ARE DAMAGED AS A RESULT OF VANDALISM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF WATER AND ELECTRICITY DURING CONSTRUCTION AND DURING THE TWO YEAR WARRANTY.

COA SPEC. SECTION 10015.24, SYSTEM MAINTENANCE AND WARRANTY, SHALL BE DELETED IN ITS ENTIRETY.

COA SPEC. SECTION 1005.6, MAINTENANCE AND PROTECTION: FIRST PARAGRAPH, SHALL BE DELETED IN ITS ENTIRETY.

COA SPEC. SECTION 1005.6.2, WATER, SHALL BE DELETED IN ITS ENTIRETY.



**B** BOULDERS • IRRIGATION CONTROLLER AND BFP  
BOULDERS PER DETAIL F/3 (TYP. OF B) SEE DETAILS C/3 AND D/3 FOR LAYOUT CRITERIA.  
1/16" = 1'-0"

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL	
CONTRACTOR	DATE	WORK ORDER NO.	DATE	FIELD NOTES	NO.	ECR	BY
INSPECTED BY	DATE	ACCEPTANCE BY	DATE			ECR	
VERIFICATION BY	DATE	DRAWING NO.	DATE			BY	
MICRO-FILM INFORMATION						REVISIONS	
						WILSON & COMPANY, ENGINEERS & ARCHITECTS	
						DESIGNED BY	DATE
						DRAWN BY	DATE
						CHECKED BY	DATE



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**CITY OF ALBUQUERQUE**  
**CAPITAL IMPLEMENTATION PROGRAM**  
**DEPARTMENT OF MUNICIPAL DEVELOPMENT**

**PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B**  
**NOTES AND DETAILS**

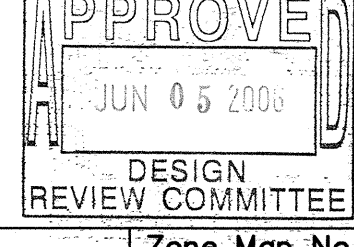
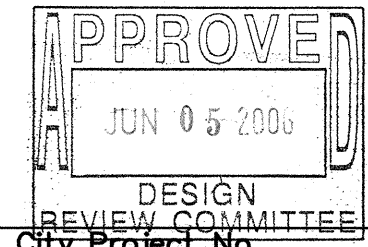
Design Review Committee

City Engineer Approval

Update

Mo./Day/Yr.

Mo./Day/Yr.



Least Design Update

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

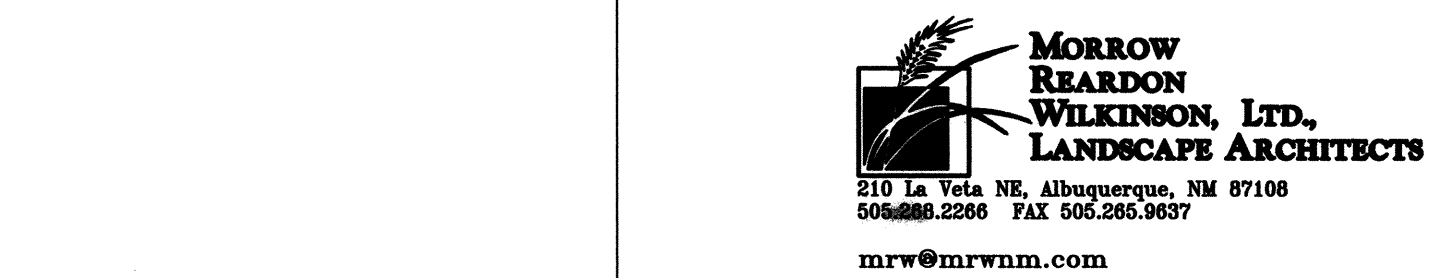
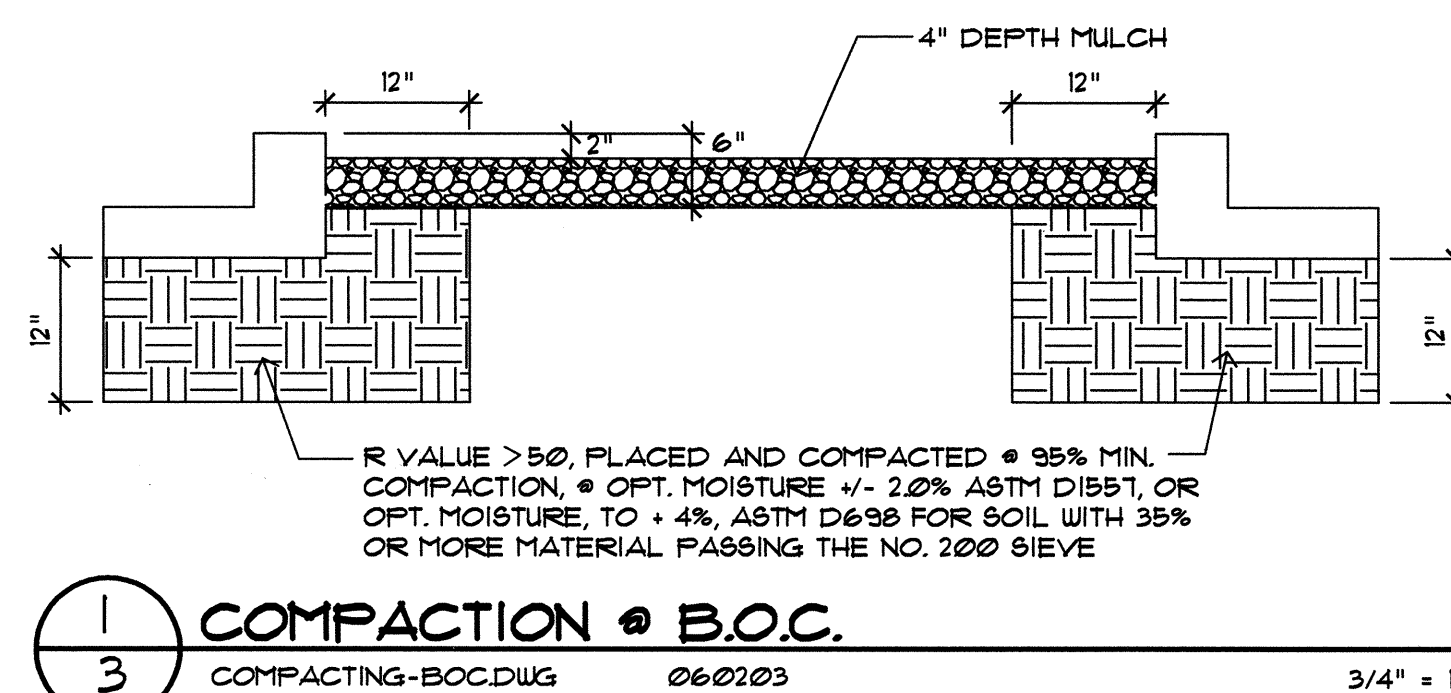
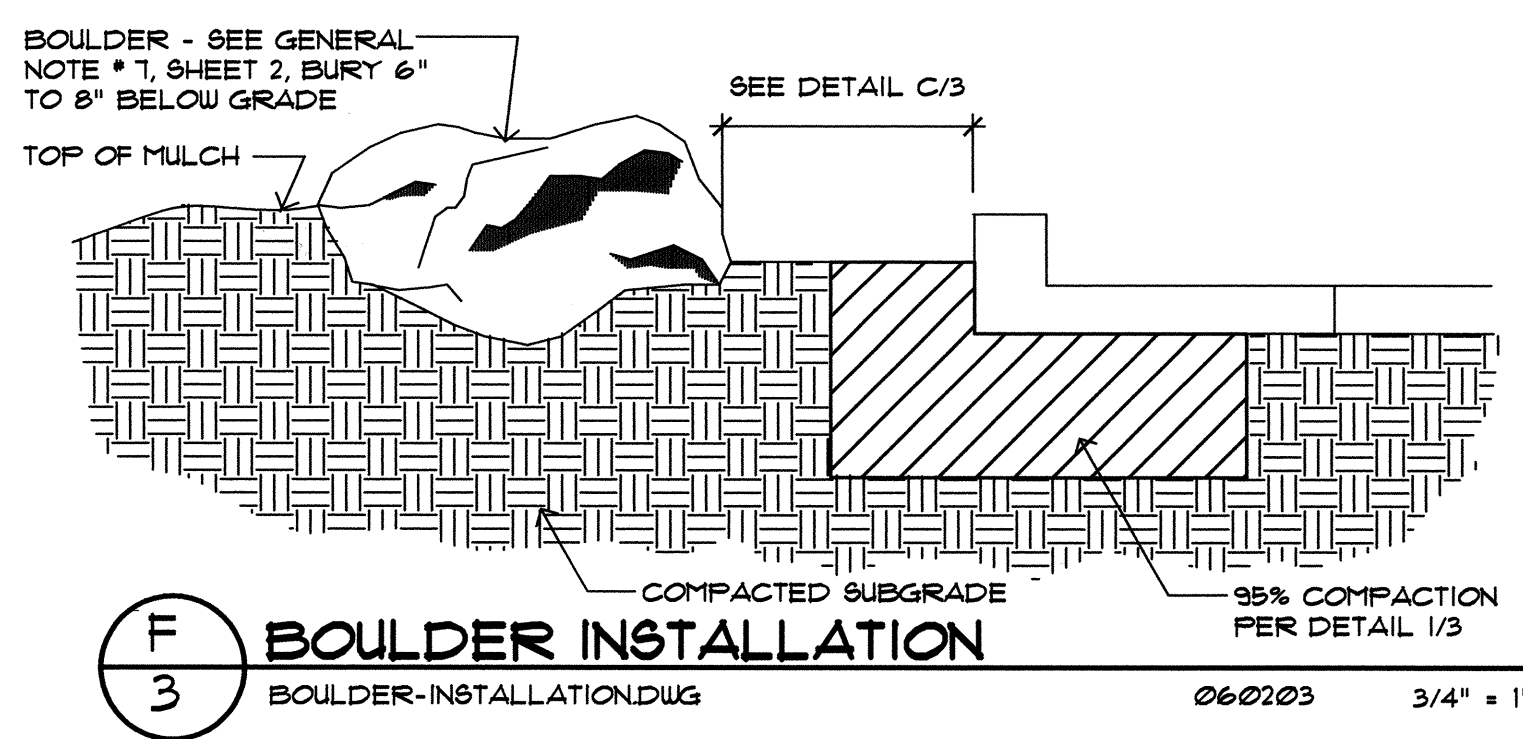
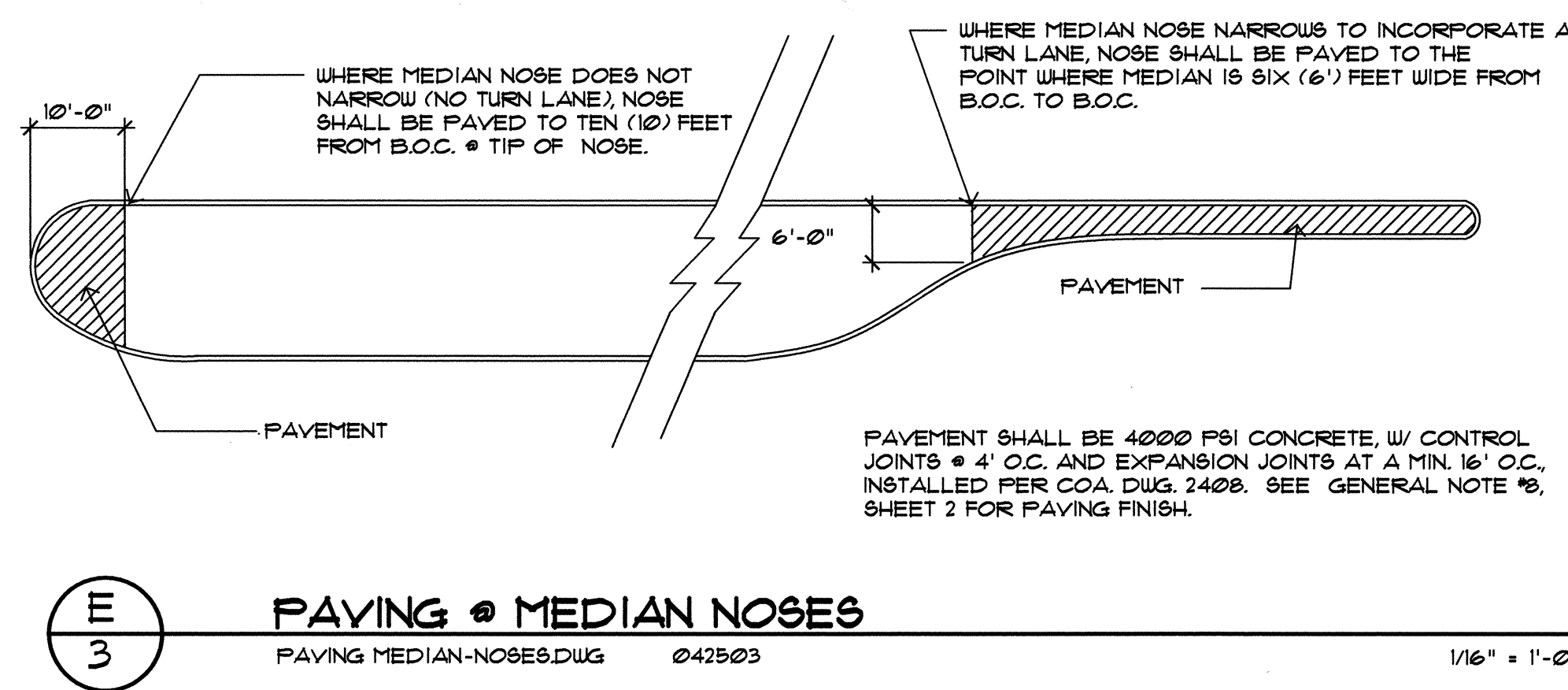
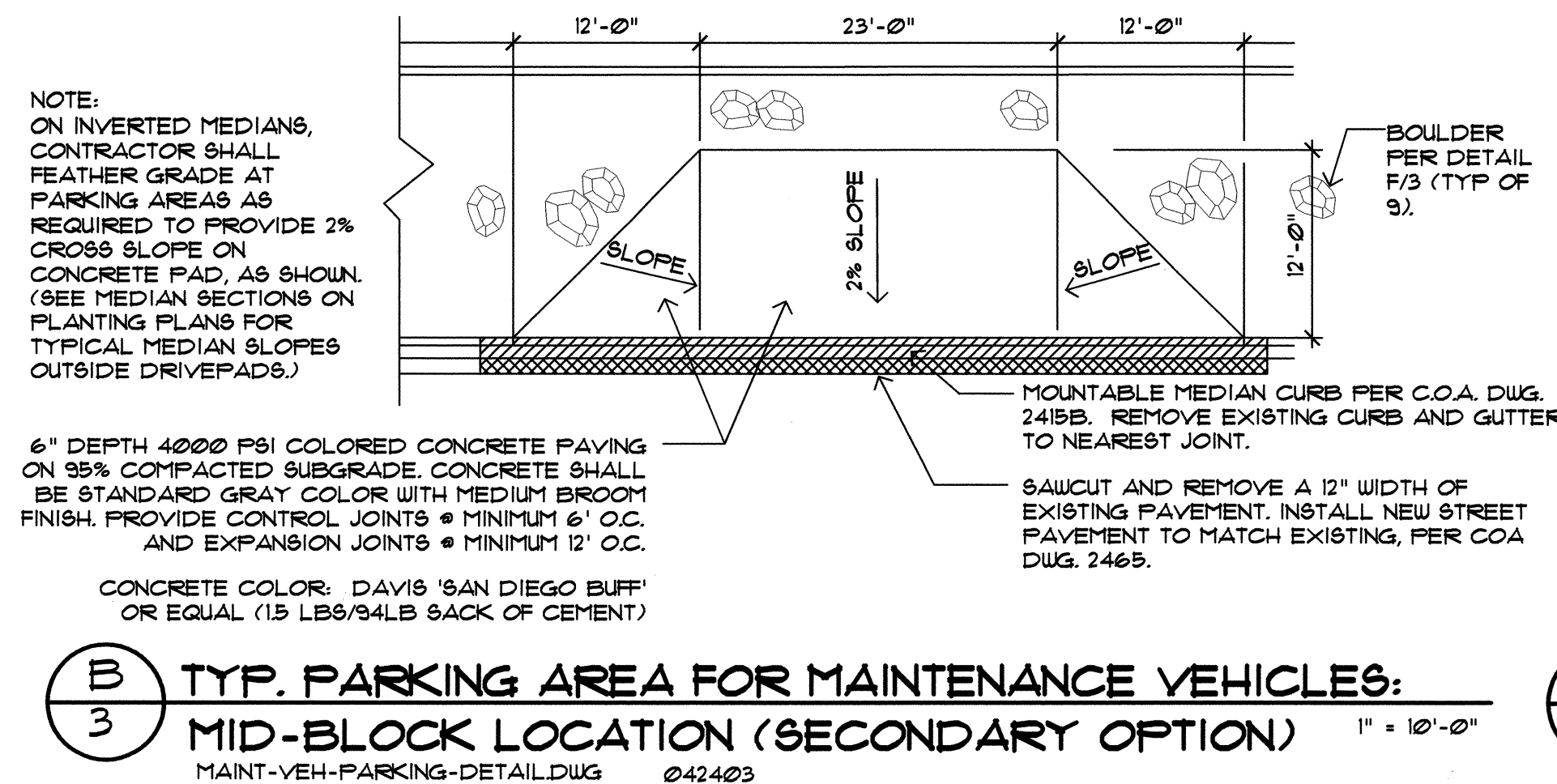
Zone Map No.

Sheet

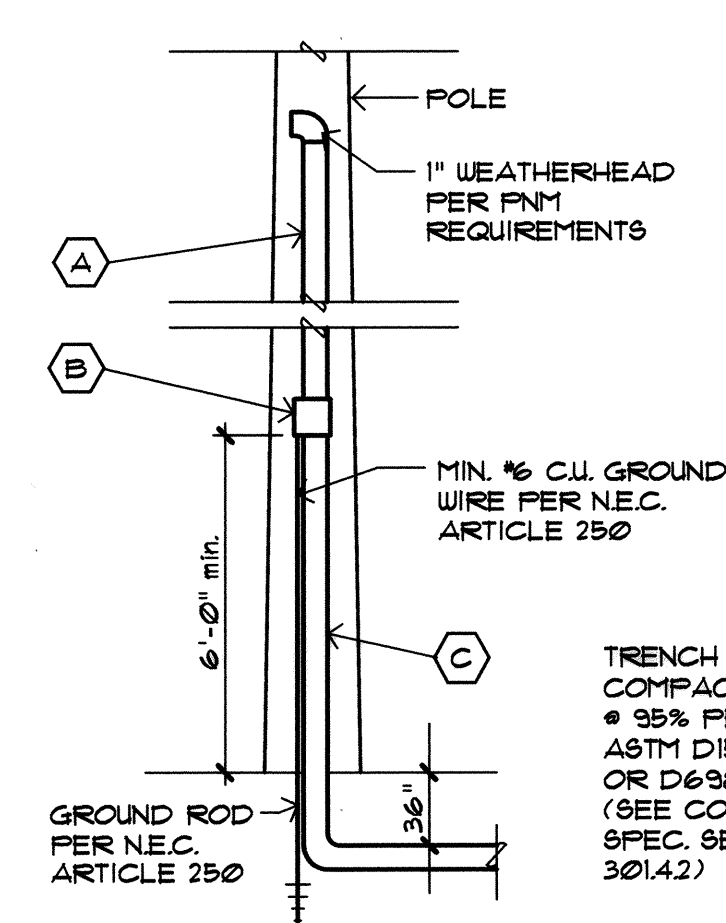
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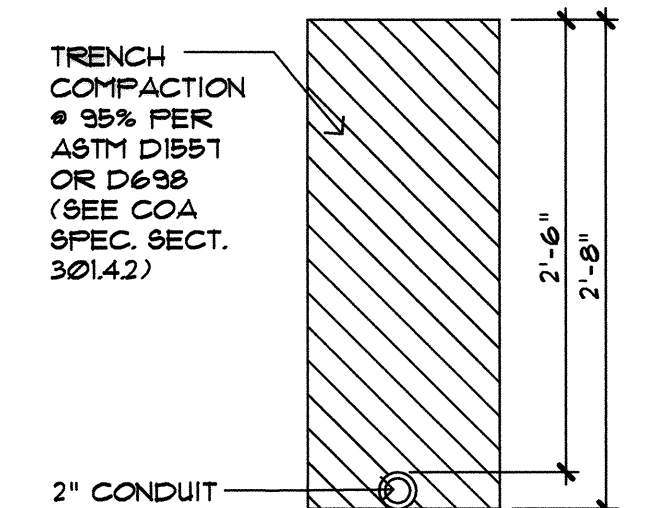
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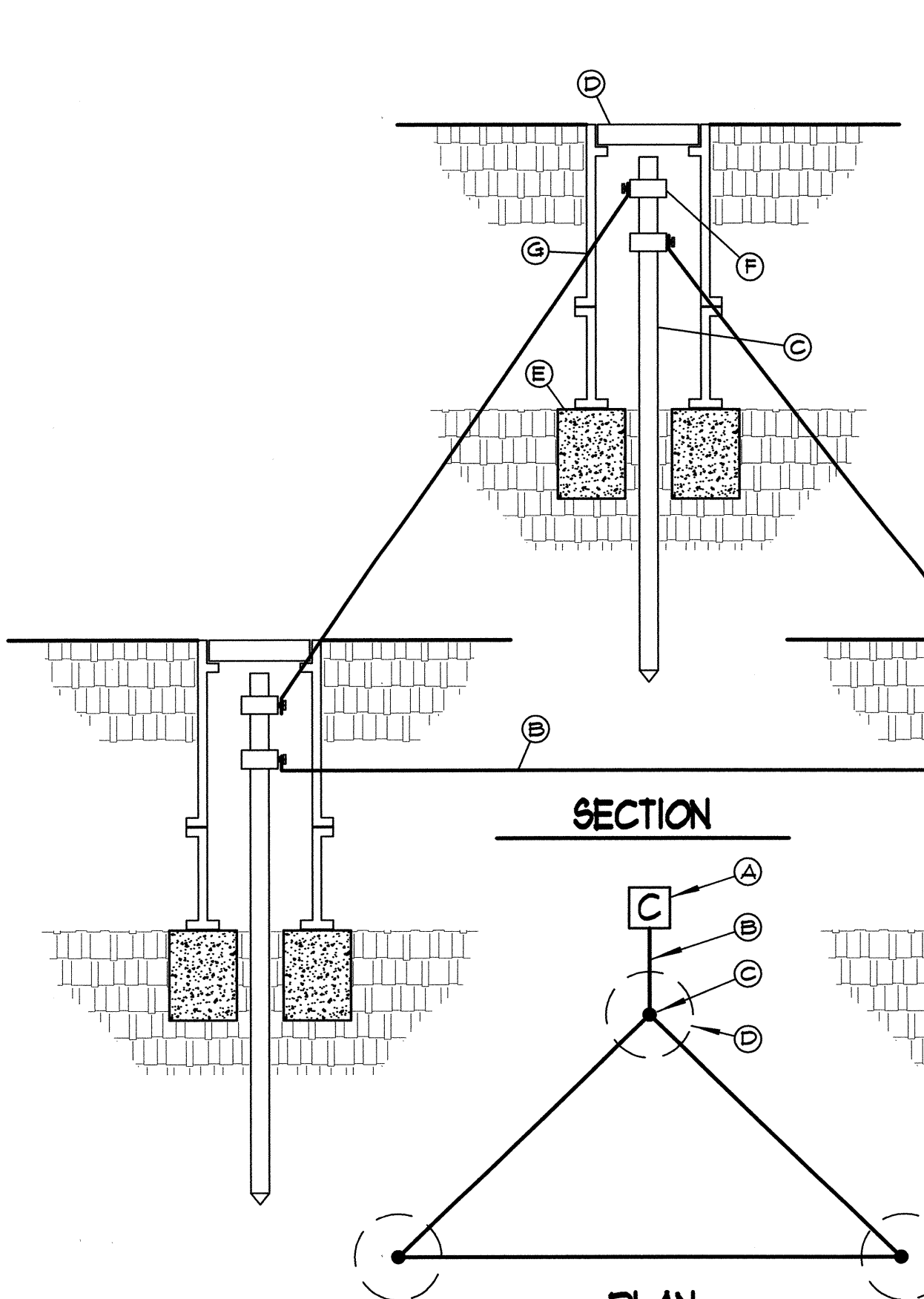
**A POWER RISER**  
MCD-0154 110895 N.T.S.

- GENERAL NOTES:**
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH PUBLIC SERVICE COMPANY OF NEW MEXICO FOR POLE LOCATION AND SERVICE REQUIREMENTS. COMPLY AS NECESSARY.
  - ALL ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE. COORDINATE WITH LANDSCAPE AND IRRIGATION PIPING TO PREVENT CONFLICTS.
  - CONTRACTOR SHALL VERIFY WITH FNM ON WHICH QUADRANT OF POLE RISER IS TO BE LOCATED.
  - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING CONDITIONS IN THE FIELD PRIOR TO BID SO AS TO INFORM HIMSELF OF EXISTING CONDITIONS AFFECTING HIS BID.
  - CONTRACTOR SHALL MOUNT 1" DIAMETER RISER DIRECTLY ONTO POWER POLE USING U-CLAMPS INSTALLED 30" ON CENTER THROUGHOUT RISER LENGTH.
  - THE CONTRACTOR SHALL USE AN APPROVED UNBROKEN CONDUIT COMPLETE WITH WIRE FROM THE SERVICE POINT TO THE FUSE DISCONNECT SWITCH AND UNBROKEN CONDUIT FROM THE FUSE DISCONNECT TO THREE (3) FEET BELOW GRADE OF FNM'S POLE.

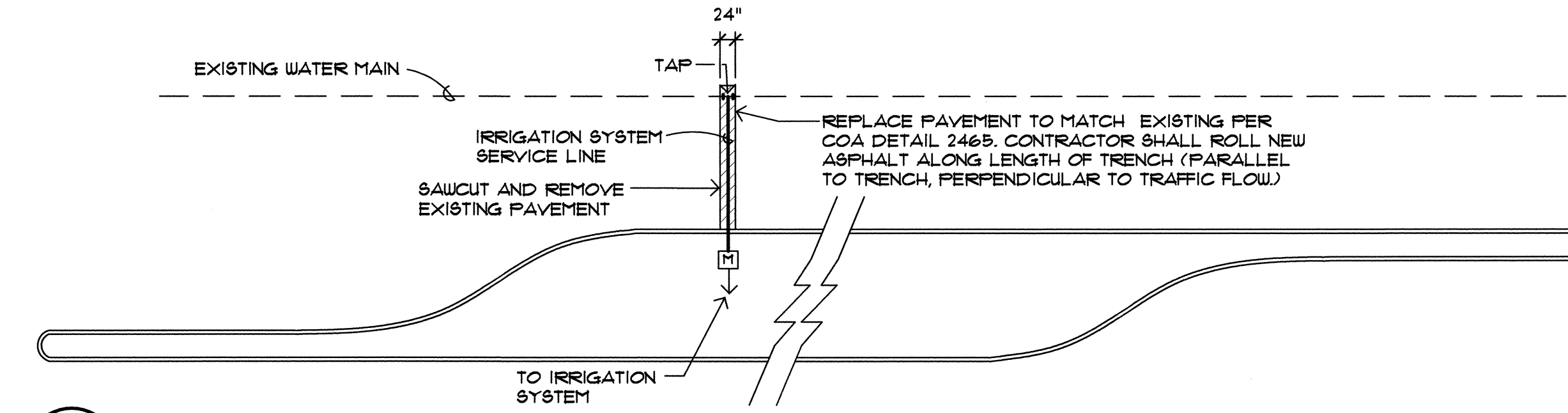


**B IRRIGATION CONTROLLER AND PEDESTAL**  
MCD-0165 110295 N.T.S.

- KEYED NOTES**
- A 1" RGS CONDUIT W/ 2 3/4" C.U. USE CABLE FROM DISCONNECT SWITCH UP POLE TO POWER CONNECT POINT. LEAVE ENOUGH CABLE EXPOSED SO FNM CAN TERMINATE LATER.
  - B FUSED DISCONNECT SWITCH-1 POLE, 120 VOLT, FUSED WITH 50 AMP (MAX) FUSES, WEATHERPROOF, AND LOCKABLE. INSTALL ON FNM POLE AT 10' (MIN.) HEIGHT.
  - C 1" RGS CONDUIT WITH 2 3/4" C.U. USE CABLE FROM DISCONNECT SWITCH DOWN POLE THEN UNDERGROUND TO THE IRRIGATION SYSTEM CONTROL BOX.

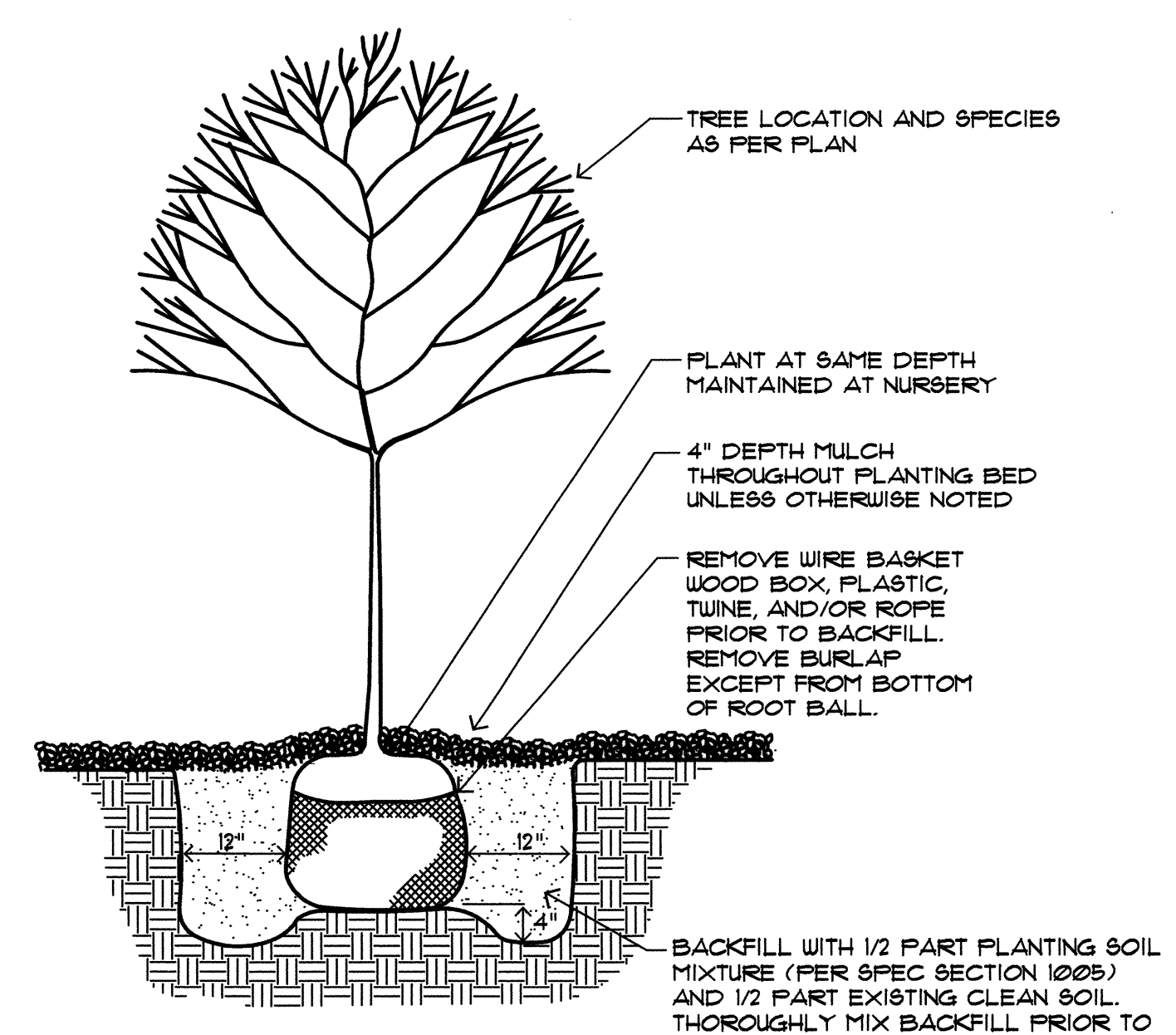


**C RFBA WITH FLOW METER & SEPARATE MASTER VALVE**  
MCD-2101-B 8/02

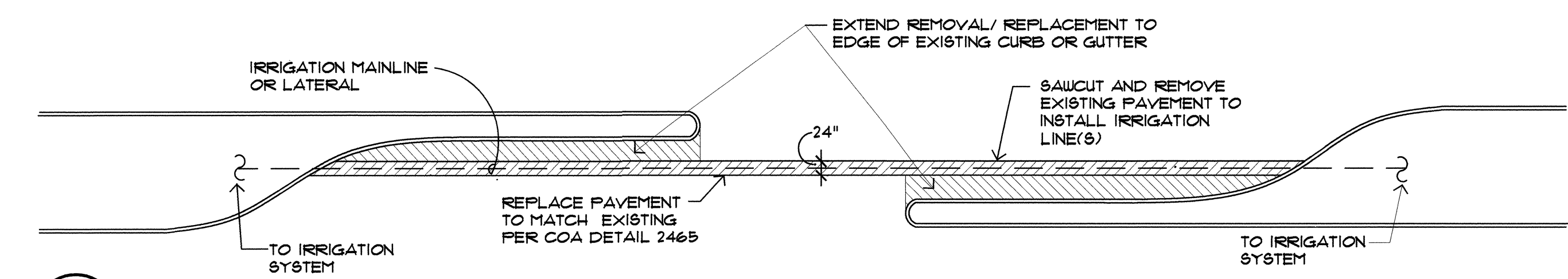


**D CONTROLLER GROUNDING DETAIL**  
N.T.S.

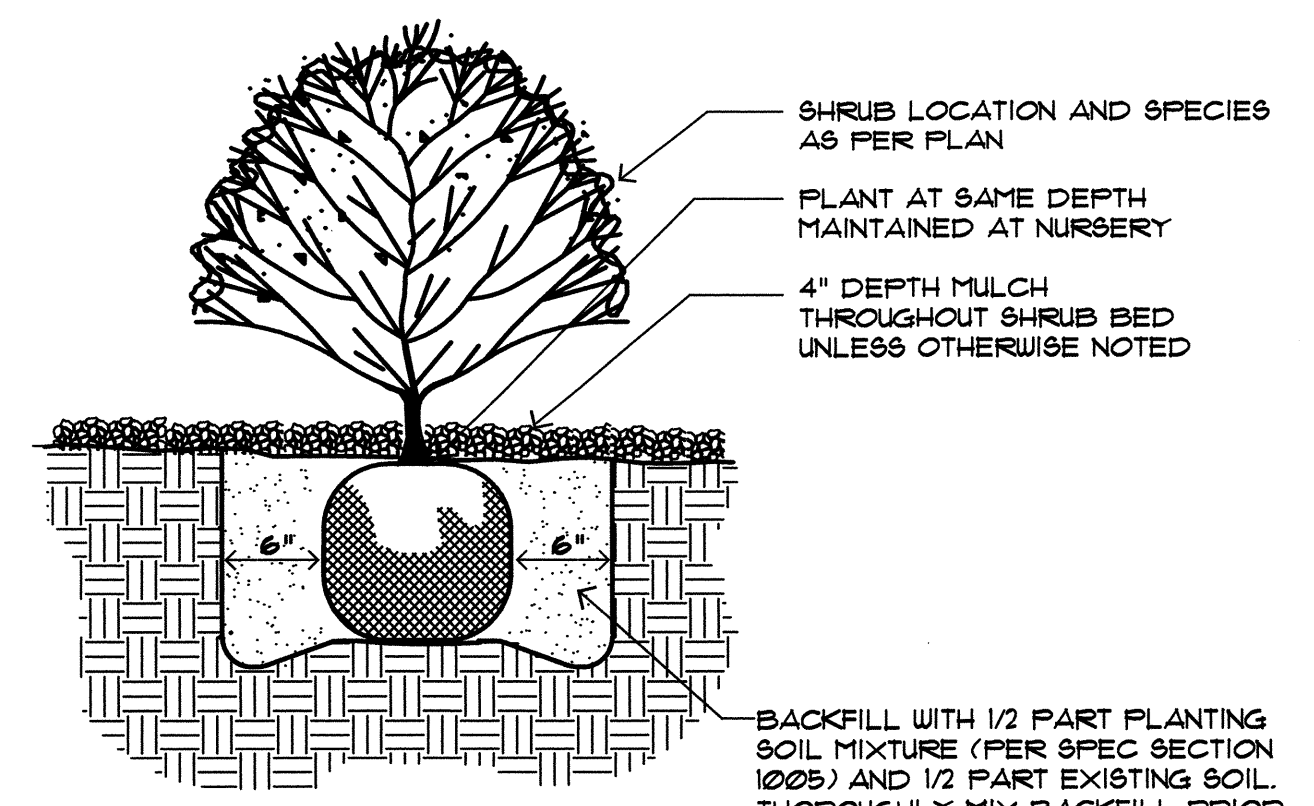
**E PAVEMENT CUT @ IRRIGATION TAP**  
PAVEMENT CUT @ TAP.DWG 052803 1/16" = 1'-0"



**F ADJUSTMENT OF EXISTING UTILITY STRUCTURES**  
UTILITY STRUCTURES ADJUST.DWG 052803 3/8" = 1'



**G IRRIGATION LINE CROSSING BETWEEN MEDIANS: REVISED**  
IRRIG LINE CROSSING.DWG 052803 1/16" = 1'-0"



**H TREE PLANTING DETAIL**  
MCD-0110 110395 N.T.S.

**I SHRUB PLANTING DETAIL**  
MCD-0004 110195 N.T.S.

- CONSTRUCTION NOTES:**
- A. SERVICE LINE TO WATER METER
  - B. BROOKS PRODUCTS INC. 1730 FB-10 BODY (ABS) VALVE BOX W/ BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION
  - C. TRUE UNION SCHEDULE 80 PVC BALL VALVE
  - D. GALVANIZED UNION (MIN. 4" ABOVE GRADE)
  - E. GALVANIZED NIPPLE
  - F. FEBCO MODEL 8251A RFBP BACKFLOW PREVENTER (NOT USED)
  - G. (NOT USED)
  - H. RAINBIRD FEB PLASTIC BODY 24 VOLT AUTOMATIC MASTER VALVE
  - I. 1" DIA. WASHED ROCK
  - J. GALVANIZED ELL
  - K. GALVANIZED RISER
  - L. 110V ELECTRICAL OUTLET FOR HEATED PROTECTIVE ENCLOSURE, FLAME AWAY FROM RELIEF VALVE.
  - M. MIN. 4" 4000 PSI CONCRETE SLAB.
  - N. PVC SLEEVING & INSULATION (MIN. 1" THICK).
  - O. PVC MIP ADAPTER
  - P. 8" x 8" x 16" SOLID CMU BLOCK
  - Q. NON-CONSTANT PRESSURE IRRIGATION MAINLINE.
  - R. FINISH GRADE.
  - S. PROTECTIVE ENCLOSURE
  - T. MASTER METER

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		CITY OF ALBUQUERQUE		DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		Mo./Day/Yr.		Mo./Day/Yr.	
CONTRACTOR	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	WILSON & COMPANY, ENGINEERS & ARCHITECTS	DESIGNED BY	REVIEW COMMITTEE	DESIGN REVIEW COMMITTEE	REVIEW COMMITTEE	DESIGN REVIEW COMMITTEE	Mo./Day/Yr.	Mo./Day/Yr.	Mo./Day/Yr.	Mo./Day/Yr.
INSPECTOR'S	DATE									DATE	DATE	DATE	DATE	DATE	DATE				
FIELD	DATE									DATE	DATE	DATE	DATE	DATE	DATE				
VERIFICATION	DATE									DATE	DATE	DATE	DATE	DATE	DATE				
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**MORROW REARDON WILKINSON, LTD. LANDSCAPE ARCHITECTS**  
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CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
STANDARD DETAILS


Design Review Committee APPROVED JUN 05 2006  
City Project No. 777900  
Zone Map No.  
Sheet 4 OF 25




MASTER PLANT LIST

KEY	COMMON NAME	BOTANICAL NAME	INSTALLED	SIZE	MATURE	REMARKS	WATER USE
<b>SHADE TREES</b>							
AFA	Autumn Purple Ash	Fraxinus americana 'Autumn Purple'	2" cal, 12' - 14' ht.		40' ht., 25'spd.	30" Box	M
AS	Arizona Sycamore	Plantanus wrightii	2" cal, 12' - 14' ht.		50' ht., 30' spd.	30" Box	M
CP	Chinese Pistache	Pistacia chinensis	2-1/2" cal, 13' - 15' ht.		40' ht., 25' spd.	30" Box	M
HL	Honey Locust	Gleditsia triacanthos inermis spp.	2" cal, 12' - 14' ht.		50' ht., 25' spd.	30" Box	M
LB	Lacebark Elm	Ulmus parvifolia	2" cal, 12' - 14' ht.		30' ht., 25' spd.	30" Box	M
MA	Fraxinus velutina 'Modesto'	Modesto Ash	2" cal, 12' - 14' ht.		40' ht., 25' spd.	30" Box	M
RA	Raywood Ash	Fraxinus oxycarpa 'Raywood'	2" cal, 12' - 14' ht.		30' ht., 25' spd.	30" Box	M
WH	Western Hackberry	Celtis occidentalis	2" cal, 12' - 14' ht.		30' ht., 30' spd.	30" Box	M
<b>EVERGREEN TREES</b>							
AP	Austrian Pine	Pinus nigra	5' - 7' ht.		30' ht., 20' spd.	30" Box	M
LP	Limber Pine	Pinus flexilis	5' - 7' ht.		20' ht. & spd.	30" Box	M
SP	Scotch Pine	Pinus sylvestris 'Albyn'	5' - 7' ht.		50' ht., 30' spd.	30" Box	M
<b>ACCENT TREES</b>							
BC	Bechtel Crabapple	Malus ioensis 'Bechtel'	2" cal, 10'-12' ht.		25' ht., 20' spd.	30" Box	M
DW	Desert Willow	Chilopsis linearis	8' - 10' ht.		25' ht., 20' spd.	30" Box, Multi-Trunk	M
GO	Gambel Oak	Quercus gambelii	8' - 10' ht.		25' ht., 20' spd.	30" Box	L
GRT	Goldenrain Tree	Goldenrain Tree	2" cal, 10'-12' ht.		25' ht., 20' spd.	30" Box	M
OP	Ornamental Pear	Pyrus calleryana spp.	2" cal, 10'-12' ht.		25' ht., 20' spd.	30" Box	M
SH	Sunburst Honey Locust	Gleditsia triacanthos inermis 'Sunburst'	2" cal, 10'-12' ht.		25' ht., 20' spd.	30" Box	M
SO	Shumard Oak	Quercus shumardii	2" cal, 12' - 14' ht.		30' ht., 25' spd.	30" Box	L
ST	Smoke Tree	Cotinus coggygria	6'-8' ht.		20' ht. & spd.	24" Box	M
TH	Washington Hawthorn	Crataegus phaenopyrum	2" cal, 10'-12' ht.		20' ht., 20' spd.	30" Box	M
<b>VERTICAL SHRUBS</b>							
BB	Butterfly Bush	Buddleia spp.	Min. 18" ht.		6' ht. & spd.	5-Gal.	M
FB	Fern Bush	Chamaebatia millefolium	Min. 18" ht.		6' ht. & spd.	5-Gal.	L
GC	Golden Currant	Ribes aureum	Min. 18" ht.		5' ht. & spd.	5-Gal.	M
MM	Mountain Mahogany	Cercocarpus montanus	Min. 18" ht.		10' ht. & spd.	5-Gal.	L
LLS	Littleleaf Sumac	Rhus microphylla	Min. 12" ht.		8' ht. & spd.	5-Gal.	L
NMO	New Mexico Olive	Foresteria neomexicana	5' - 7' ht.		15' ht., 10' spd.	15-Gal.	M
SB	Spanish Broom	Spartium junceum	Min. 18" ht.		8' ht., 6' spd.	5-Gal.	L
VI	Vitex	Vitex agnus-castus	5' - 7' ht.		15' ht., 15' spd.	15-Gal.	L
<b>LARGE SHRUBS/ORNAMENTAL GRASSES</b>							
AFL	Apache Plume	Fallugia paradoxa	Min. 18" ht.		5' ht. & spd.	5-Gal.	L
AR	Arp Rosemary	Rosmarinus officinalis 'Arp'	Min. 18" ht.		4' ht., 3' spd.	5-Gal.	M
BG	Bear Grass	Nolina texana	Min. 18" ht.		3' ht. & spd.	5-Gal.	L
BM	Blue Mist	Caryopteris x clandonensis	Min. 18" ht.		4' ht. & spd.	5-Gal.	M
MG	Maiden Grass	Miscanthus sinensis 'Gracillimus'	Min. 18" spd.		6' ht., 3' spd.	5-Gal.	M
LB	Lena's Broom	Cytisus scoparius x dallimorei 'Lena'	Min. 12" spd.		4' ht. & spd.	5-Gal.	M
FG	Pampas Grass	Cortaderia selloana	Min. 18" ht.		10' ht. & spd.	5-Gal.	M
R	Rubber Rabbitbrush	Chrysothamnus nauseosus	Min. 18" ht.		6' ht. & spd.	5-Gal.	L
RS	Russian Sage	Perovskia striplcificolia	Min. 18" ht.		3' ht. & spd.	5-Gal.	L
RY	Red Yucca	Hesperaloe parviflora	Min. 18" ht.		4' ht. & spd.	5-Gal.	L
S	Sotol	Dasylirion wheeleri	Min. 18" ht.		4' ht. & spd.	5-Gal.	L
SG	Switchgrass	Panicum virgatum	Min. 12" ht.		4' ht., 3' spd.	5-Gal.	M
TS	Texas Sage	Leucophyllum langmaniae 'Lynn's Legacy'	Min. 18" ht.		5' ht. & spd.	5-Gal.	L
LLS	Three-leaf Sumac	Rhus trilobata	Min. 18" ht.		5' ht. & spd.	5-Gal.	L
<b>SMALL SHRUBS/ORNAMENTAL GRASSES</b>							
BA	Blue Avena	Helictotrichon sempervirens	Min. 8" ht.		2' ht. & spd.	1-Gal.	M
BD	Broom Dalea	Psoralethamnus scoparius	Min. 12" ht.		3' ht. & spd.	5-Gal.	L
CS	Cherry Sage	Salvia greggii	Min. 12" spd.		3' ht. & spd.	5-Gal.	M
DR	Dwarf Rabbitbrush	Chrysothamnus nauseosus nauseosus	Min. 8" ht.		2' ht. & spd.	5-Gal.	L
F	Feathergrass	Stipa capillata	Min. 8" ht.		18" ht. & spd.	5-Gal.	M
FG	Foerster's Grass	Calamagrostis arundinacea	Min. 8" spd.		2' ht. & spd.	5-Gal.	M
IR	Irene Rosemary	Rosmarinus officinalis 'Irene'	Min. 12" spd.		18" ht., 3' spd.	5-Gal.	M
LSB	Little Bluestem	Andropogon scoparium	Min. 8" ht.		2' ht. & 1' spd.	1-Gal.	L
LV	Lavender	Lavandula angustifolia spp.	Min. 6" ht.		2' ht. & spd.	1-Gal.	L
RM	Regal Mist	Muhlenbergia capillaris	Min. 10" spd.		3' ht. & spd.	5-Gal.	M
SC	Shrubby Cinquefoil	Potentilla fruticosa	Min. 12" ht.		3' ht. & spd.	5-Gal.	M
SWY	Soapweed Yucca	Yucca glauca	Min. 18" ht.		3' ht. & spd.	5-Gal.	L
W	Winterfat	Eurotia lanata	Min. 6" ht.		2' ht. & spd.	1-Gal.	L
ZG	Zebra Grass	Miscanthus sinensis 'Zebrinus'	Min. 12" spd.		4' ht. & spd.	5-Gal.	M
<b>GROUNDCOVERS</b>							
AJ	Arcadia Juniper	Juniperus sabina 'Arcadia'	Min. 10" spd.		2' ht. & spd.	5-Gal.	M
BF	Blue Fescue	Festuca ovina 'Glaucia'	Min. 6" ht.		12" ht. & spd.	1-Gal.	L
BJ	Buffalo Juniper	Juniperus sabina 'Buffalo'	Min. 12" spd.		12" ht., 6' spd.	5-Gal.	M
IRG	Indian Rice Grass	Oryzopsis hymenoides	Min. 12" ht.		4' ht. & spd.	1-Gal.	L
PS	Prairie Sage	Artemesia ludoviciana	Min. 8" spd.		2' ht. & spd.	5-Gal.	L
SJ	Scandia Juniper	Juniperus sabina 'Scandia'	Min. 10" spd.		12" ht., 6' spd.	5-Gal.	M
<b>CACTI</b>							
BLC	Bailey's Lace Cactus	Echinocereus reichenbachii v. baileyi	Min. 2" ht.		6" ht. & spd.	1-Gal.	L
CCC	Claret Cup Cactus	Echinocereus triglochidiatus	Min. 3" ht.		6" ht., 8" spd.	1-Gal.	L
NRH	New Mexico Rainbow Hedgehog	Echinocereus dasycanthus	Min. 3" ht.		10" ht., 4" spd.	1-Gal.	L
SH	Royal George Spiny Hedgehog	Echinocereus coccineus	Min. 3" ht.		12" ht., 18" spd.	1-Gal.	L
<b>PERENNIALS</b>							
BFL	Blanketflower	Gaillardia x grandiflora	Min. 6" ht.		12' ht. & spd.	1-Gal.	L
BP	Bush Penstemon	Penstemon ambiguus	Min. 6" ht.		2' ht. & spd.	1-Gal.	L
BM	Bowles Mauve	Erysimum 'Bowles Mauve'	Min. 10" ht.		2' ht. & spd.	1-Gal.	L
CH	Catmint	Nepita faassenii	Min. 6" spd.		2' ht. & spd.	1-Gal.	M
GF	Gayfeather	Liatris punctata	Min. 6" ht.		18" ht. & spd.	1-Gal.	M
GM	Globe Mallow	Sphaeralcea munroana	Min. 6" ht.		3' ht., 2' spd.	1-Gal.	L
GS	Groundsel	Senecio longilobus	Min. 6" ht.		2' ht. & spd.	1-Gal.	L
MP	Mexican Primrose	Oenothera speciosus 'Rosea'	Min. 6" ht.		10" ht., 18" spd.	1-Gal.	M
PFL	Paperflower	Falioetrophe tagetina	Min. 6" ht.		12" ht., 2' spd.	1-Gal.	M
PIP	Purple Ice Plant	Delosperma cooperi	Min. 6" spd.		6" ht., 18" spd.	1-Gal.	L
RHP	Red Hot Poker	Kniphofia uvaria	Min. 6" ht.		3' ht. & spd.	1-Gal.	L
SW	Soapwort	Saponaria x lempergii	Min. 6" spd.		6" ht., 18" spd.	1-Gal.	M
V	Verbena	Verbena canadensis	Min. 6" ht.		12" ht. & spd.	1-Gal.	M
Y	Yarrow	Achillea filipendulina	Min. 6" ht.		3' ht., 2' spd.	1-Gal.	L

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL			
CONTRACTOR	DATE	NO.	BY	NO.	BY				
INSPECTOR'S	DATE	DATE	DATE	DATE	DATE				
ACCEPTANCE BY	DATE	REVISIONS		REVISIONS		WILSON & COMPANY, ENGINEERS & ARCHITECTS			
VERIFICATION BY	DATE	MICRO-FILM INFORMATION		MICRO-FILM INFORMATION					
RECORDED BY	DATE	RECORDED BY		RECORDED BY					
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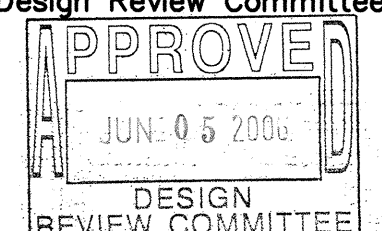
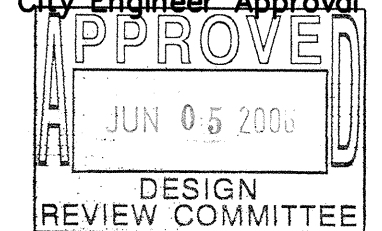


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**PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
MASTER PLANT LIST**

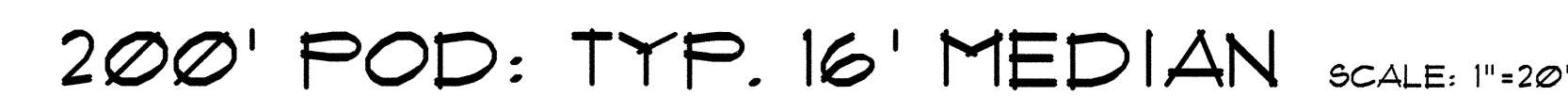
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
			
DESIGN REVIEW COMMITTEE	DESIGN REVIEW COMMITTEE		

City Project No. **777900**

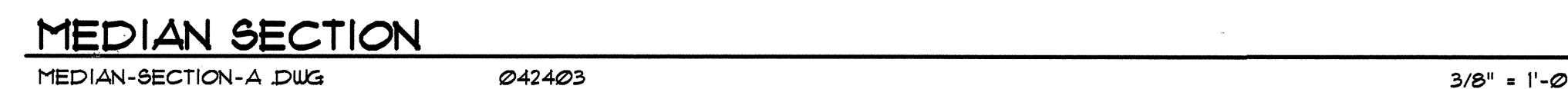
Zone Map No.

Sheet **5 OF 25**



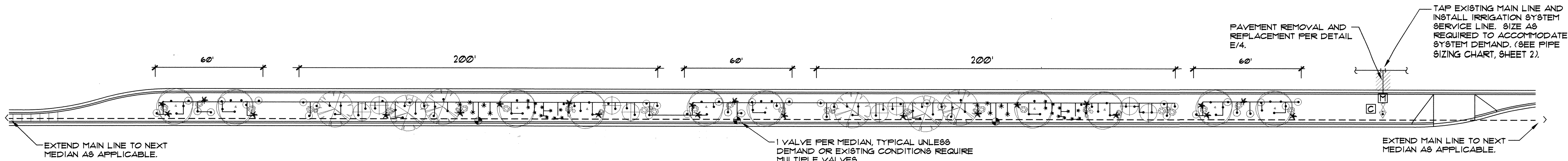


\*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.

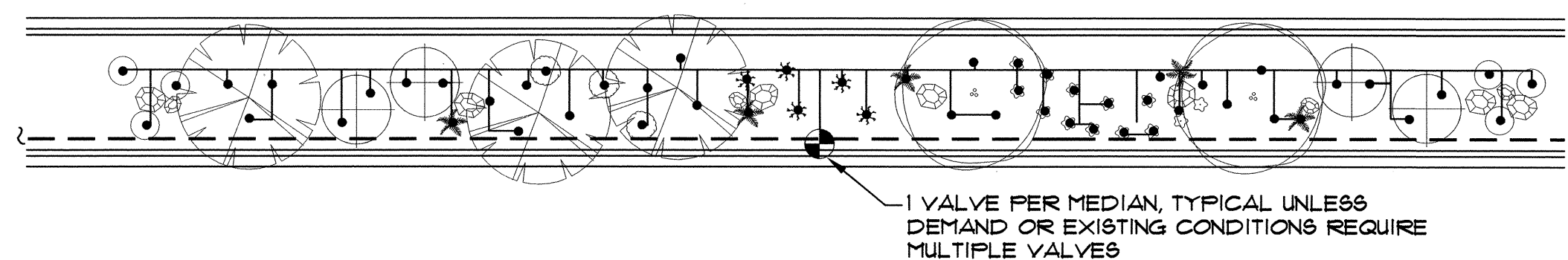
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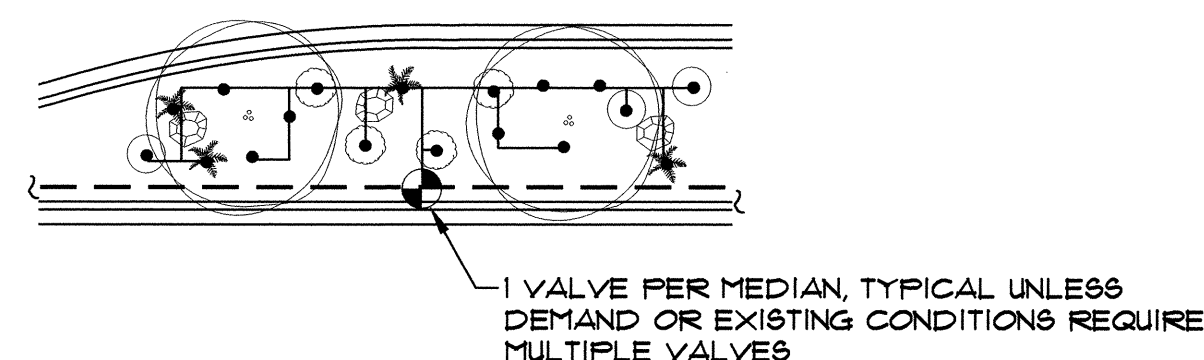




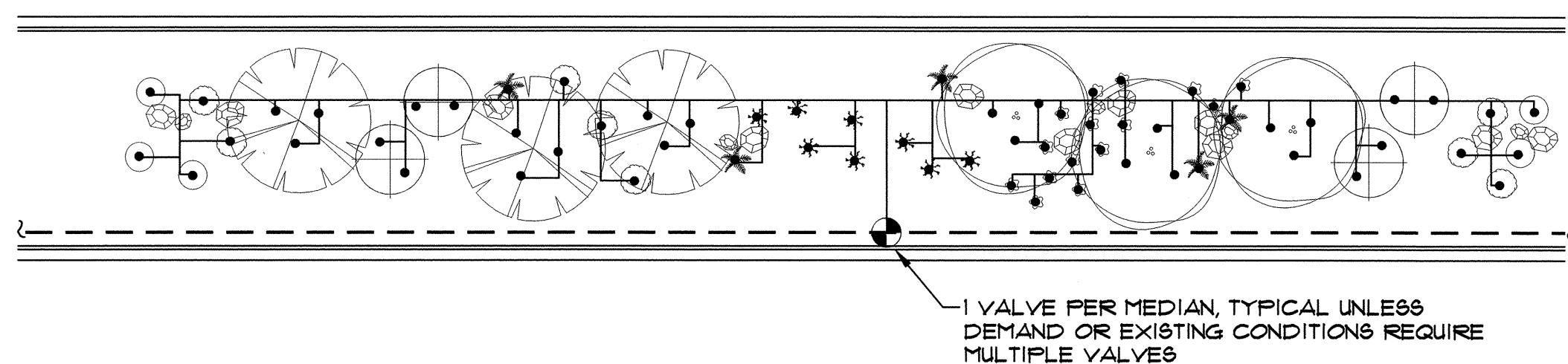
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



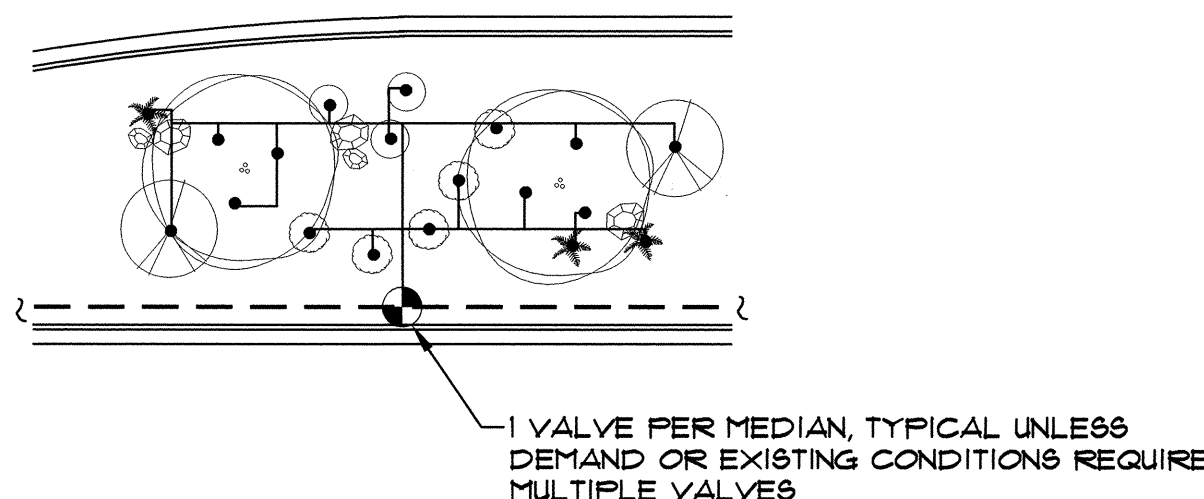
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



60' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

### IRRIGATION LEGEND

- ☐ WATER METER PER COA DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
- IRRIGATION MAIN LINE, SCH 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.
- ☒ ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2101.
- ▶ FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.
- ☑ REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)
- ☐ SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
- PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.
- MODEL NO. GPM PSI
- 1401 25 30
- ☑ IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.

### PROTOTYPE A GPM

STANDARD 200' POD:	13
STANDARD 50' POD:	5
WIDE MEDIAN 200' POD:	16
WIDE MEDIAN 50' POD:	5

### IRRIGATION NOTES

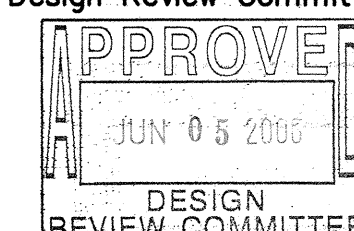
- SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
- CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
- BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
- UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
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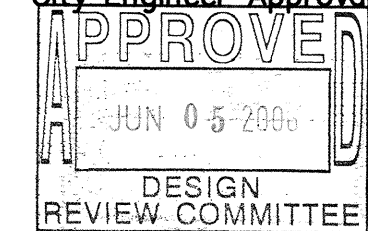
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE A: IRRIGATION PLAN

Design Review Committee



DESIGN REVIEW COMMITTEE

City Engineer Approval



DESIGN REVIEW COMMITTEE

Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

Sheet

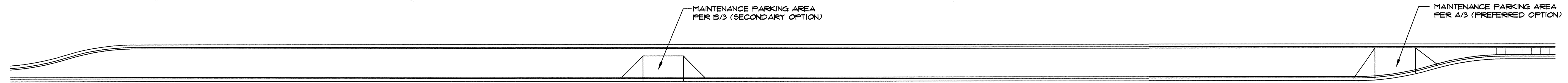
City Project No.

Zone Map No.

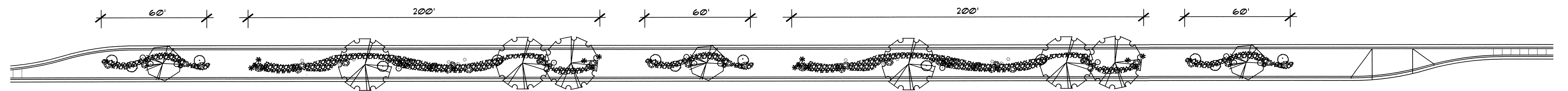
7 OF 25

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ARCHITECTURAL SEAL			
CONTRACTOR	DATE	INSPECTED BY	DATE	NO.	BY	DATE	NO.	NO.	BY	DATE	NO.				
WORK	DATE	ACCEPTANCE BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY				
MICRO-FILM INFORMATION				REVISIONS				WILSON & COMPANY, ENGINEERS & ARCHITECTS				DESIGNED BY			
								DRAWN BY				EAC/MAK			
								CHECKED BY				EAC			

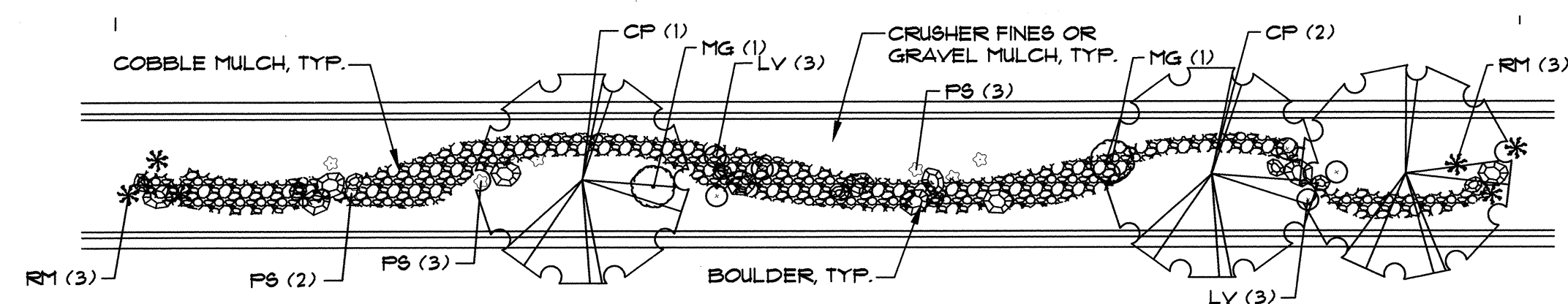




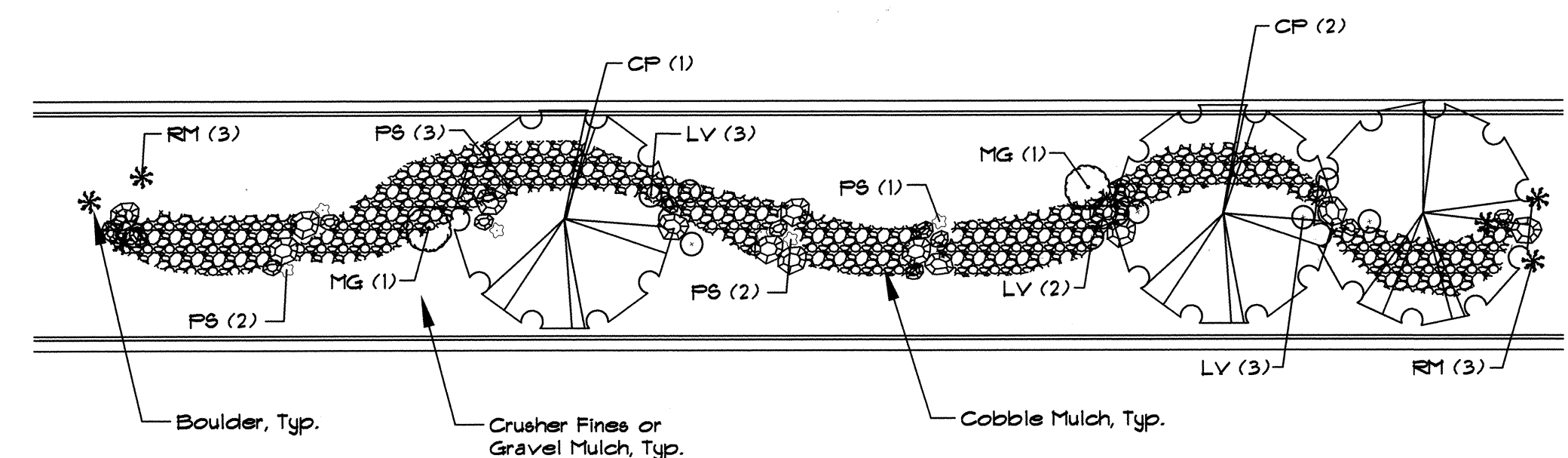
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' MEDIAN SCALE: 1"=30'



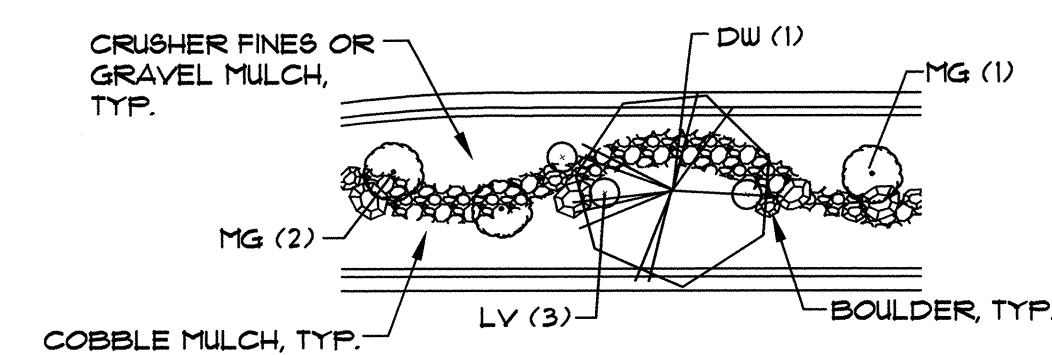
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) SCALE: 1"=30'



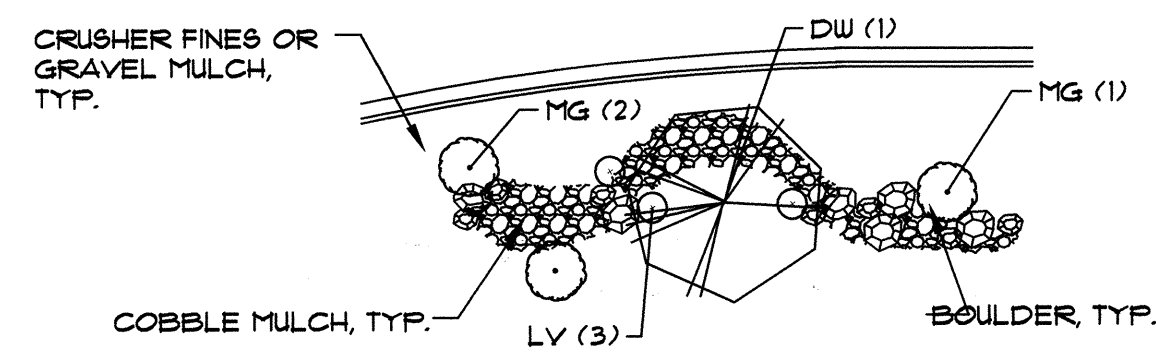
200' POD: TYP. 16' MEDIAN SCALE: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'



60' POD: TYP. 16' MEDIAN SCALE: 1"=20'

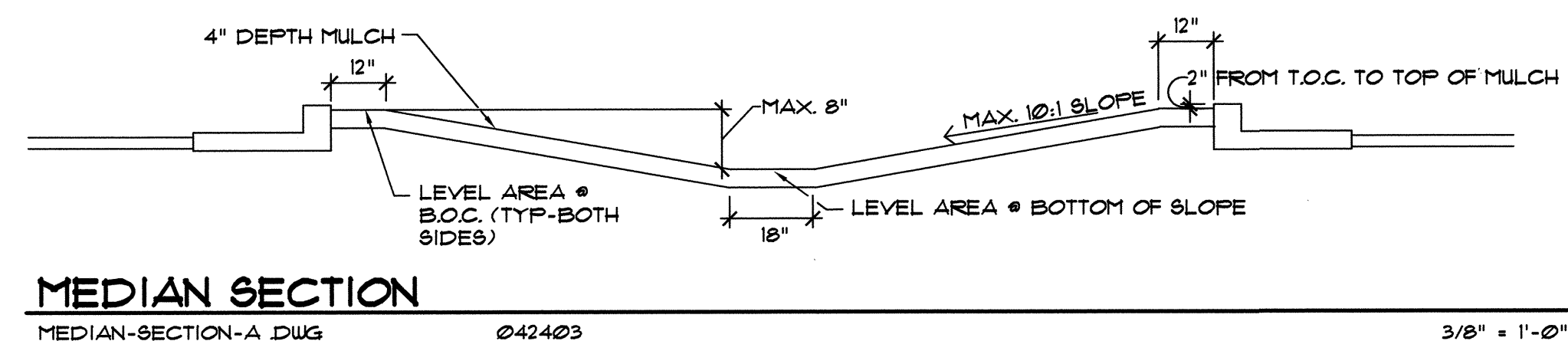


60' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'

# PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)

SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	ALTERNATIVE SPECIES WIDE MEDIANS ONLY*	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
<b>SHADE TREES</b>							
CP	Chinese Pistache	Honey Locust Arizona Sycamore		3	0	3	0
<b>ACCENT TREES</b>							
DW	Desert Willow	Thornless Hawthorn Shumard Oak	Scotch Pine Limber Pine	0	1	0	1
<b>LARGE SHRUBS</b>							
MG	Maidenrass	Lena's Broom Arp Rosemary		2	3	2	3
<b>SMALL SHRUBS</b>							
LV	Lavender	Irene Rosemary Cherry Sage		6	3	6	3
RM	Regal Mist	Little Bluestem Blue Avena		6	0	6	0
<b>GROUNDCOVERS/PERENNIALS</b>							
PS	Prairie Sage	Bush Penstemon Red Hot Poker		8	0	8	0

\*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.

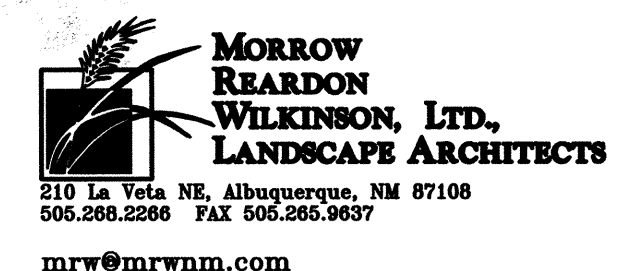


MEDIAN SECTION

MEDIAN-SECTION-A DWG

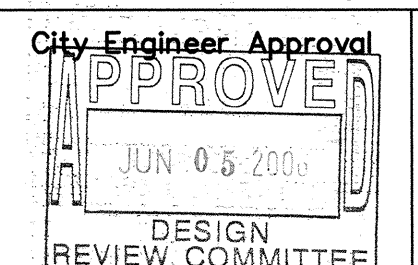
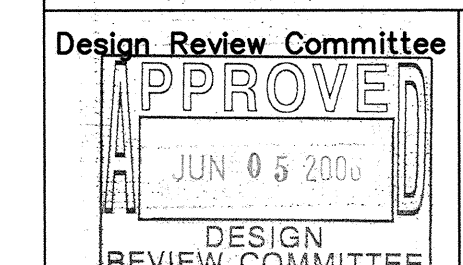
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3/8" = 1'-0"



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE B: PLANTING PLAN



Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.  
777900

Zone Map No.

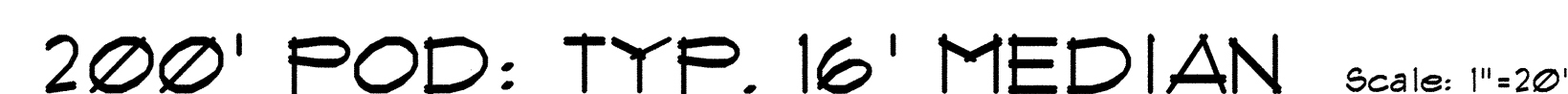
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8 OF 25


AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORKED BY											
INSPECTED BY											
DESIGNED BY											
VERIFICATION BY											
COMPARISON BY											
DATE											
MICRO-FILM INFORMATION											
RECORDED BY											
NO.											



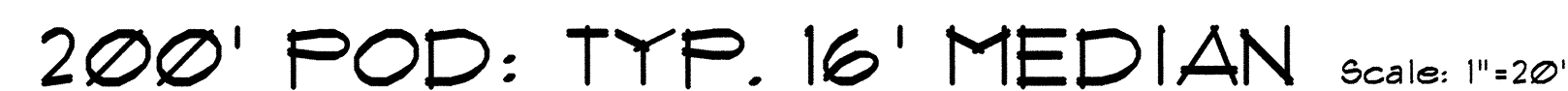




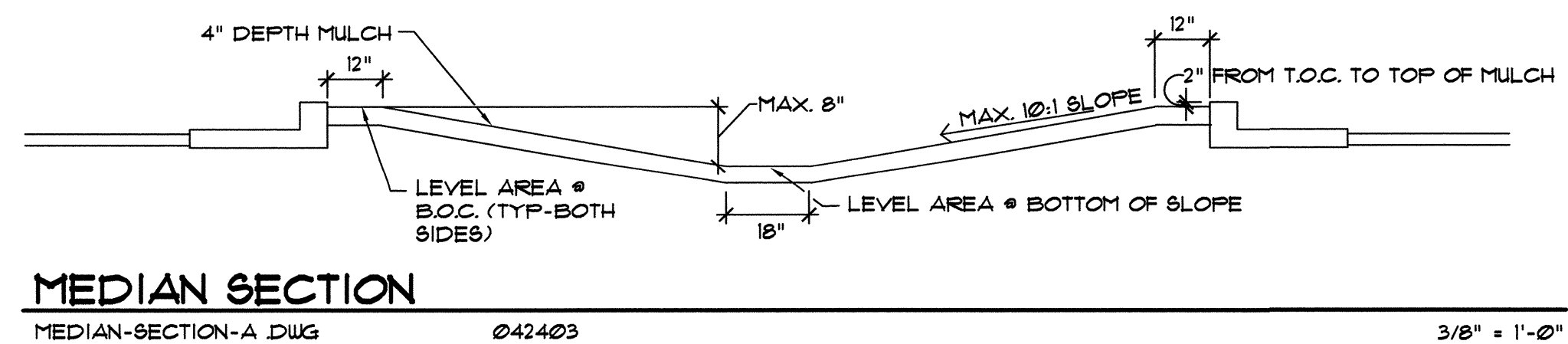
9 OF 25



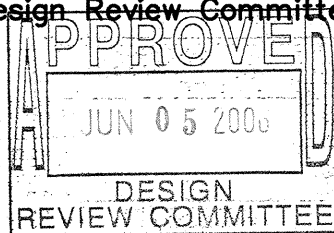

				ARCHITECTURAL SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION							
						FIELD NOTES						CONTRACTOR					
		NO.				BY		DATE		WORKS INSPECTED BY		DATE					
												SUPERVISORS		DATE			
														ACCEPTANCE BY		DATE	
														VERIFICATION BY		DATE	
														DRAWINGS		DATE	
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														RECORDED BY		DATE	
														NO.			



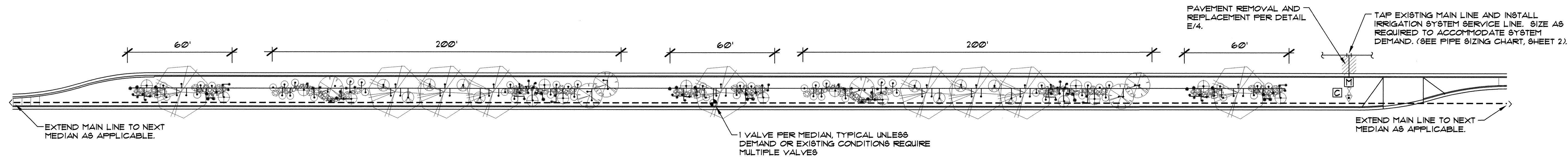


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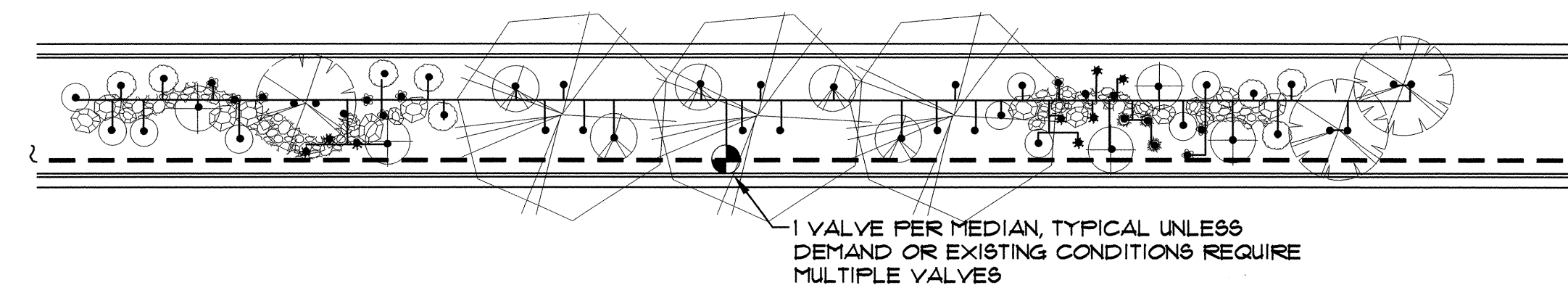


 <p><b>MORROW REARDON WILKINSON, LTD., LANDSCAPE ARCHITECTS</b></p> <p>210 La Veta NE, Albuquerque, NM 87108 505.288.2286 FAX 505.285.9637</p> <p>mrw@mrwm.com</p>											
									NO.	DATE	
									WILSON & COMP.		
									ECH		
									DESIGNED BY		
									DRAWN BY		
									CHECKED BY		
									ECH		
<div style="text-align: center;">   <b>CITY OF ALBUQUERQUE</b>  <b>CAPITAL IMPLEMENTATION PROGRAM</b>  <b>DEPARTMENT OF MUNICIPAL DEVELOPMENT</b> </div>											
<div style="text-align: center;"> <b>PROTOTYPE MEDIAN &amp; INTERSTATE LANDSCAPES FY-06B</b>  <b>PROTOTYPE C: PLANTING PLAN</b> </div>											
Design Review Committee			City Engineer Approval			Last Design Update		Mo./Day/Yr.		Mo./Day/Yr.	
											
City Project No. <b>777900</b>				Zone Map No.			Sheet <b>10 OF 25</b>				

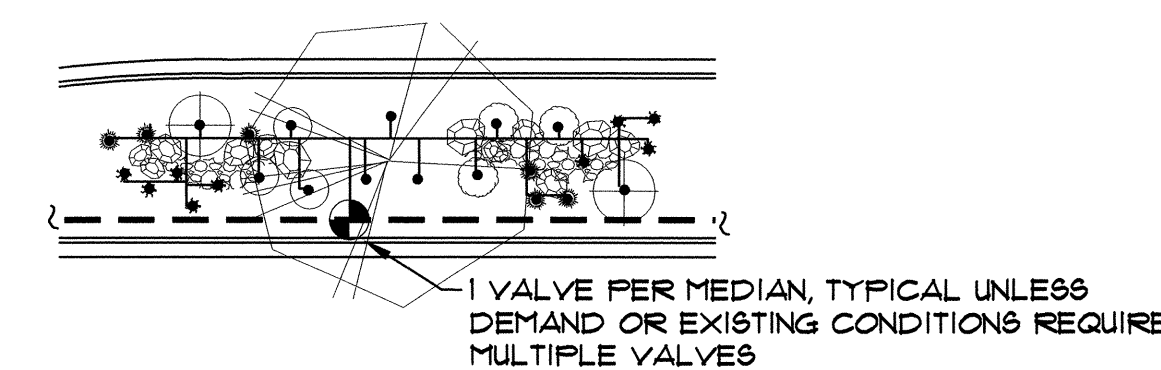




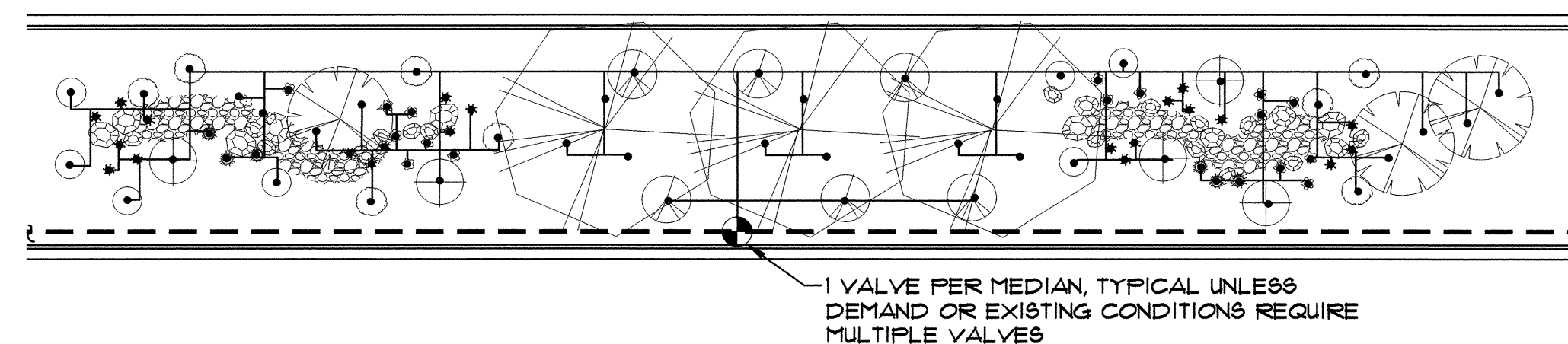
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



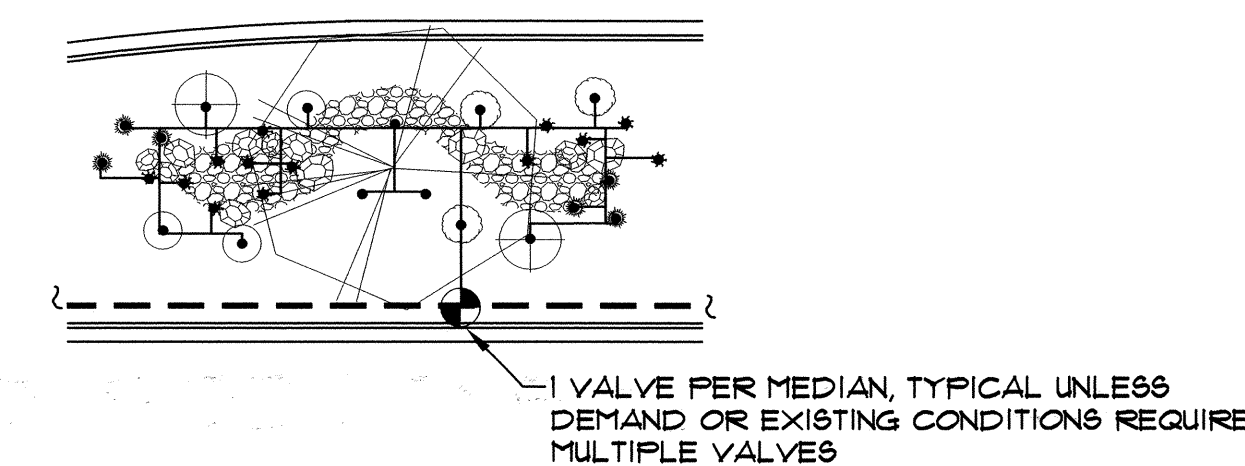
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



60' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

### IRRIGATION LEGEND

- WATER METER PER COA DUG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
- IRRIGATION MAIN LINE, SCH 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.
- ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2107.
- FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
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### PROTOTYPE C GPM

STANDARD 200' POD:	19
STANDARD 50' POD:	7
WIDE MEDIAN 200' POD:	26
WIDE MEDIAN 50' POD:	8

### IRRIGATION NOTES

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 505.266.2266 FAX 505.265.9537  
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 DEPARTMENT OF MUNICIPAL DEVELOPMENT

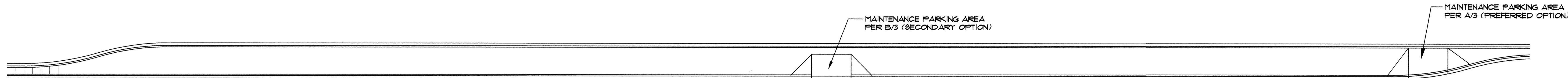
**PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B**  
**PROTOTYPE C: IRRIGATION PLAN**

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 05 2006 DESIGN REVIEW COMMITTEE	APPROVED JUN 05 2006 DESIGN REVIEW COMMITTEE			
City Project No. <b>777900</b>	Zone Map No.	Sheet <b>11 OF 25</b>		

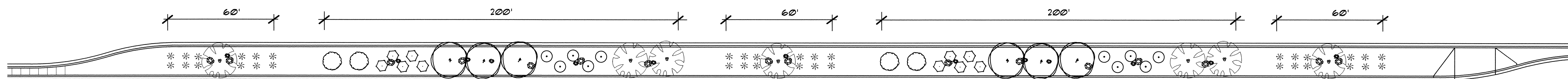
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS	
CONTRACTOR	DATE	NO.	DATE	FIELD NOTES	BY	NO.	DATE	NO.	DATE
WORKED BY	DATE								
INSPECTOR'S ACCEPTANCE BY	DATE								
VERIFICATION BY	DATE								
DRAWING NO.	DATE								
DRAWING BY	DATE								
RECORDED BY	DATE								
NO.									



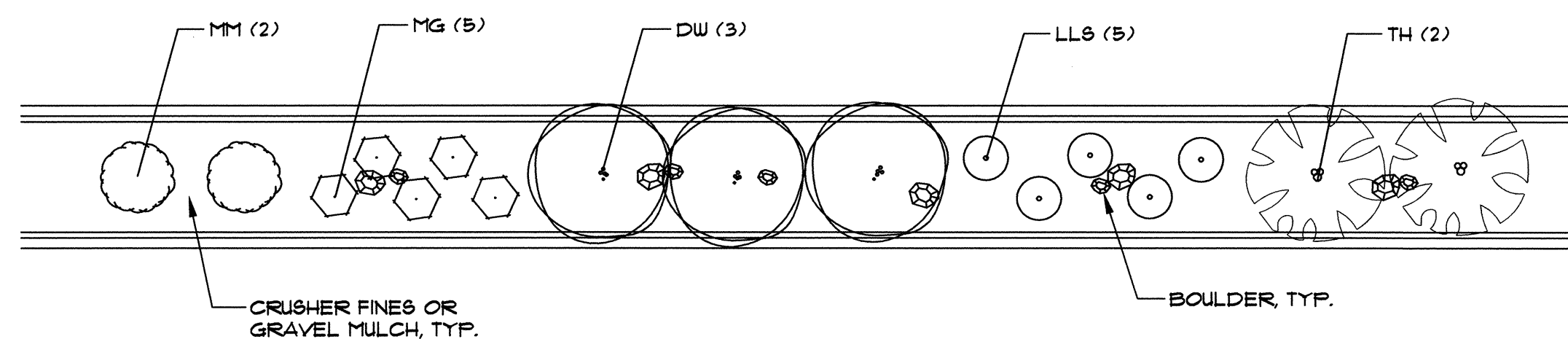




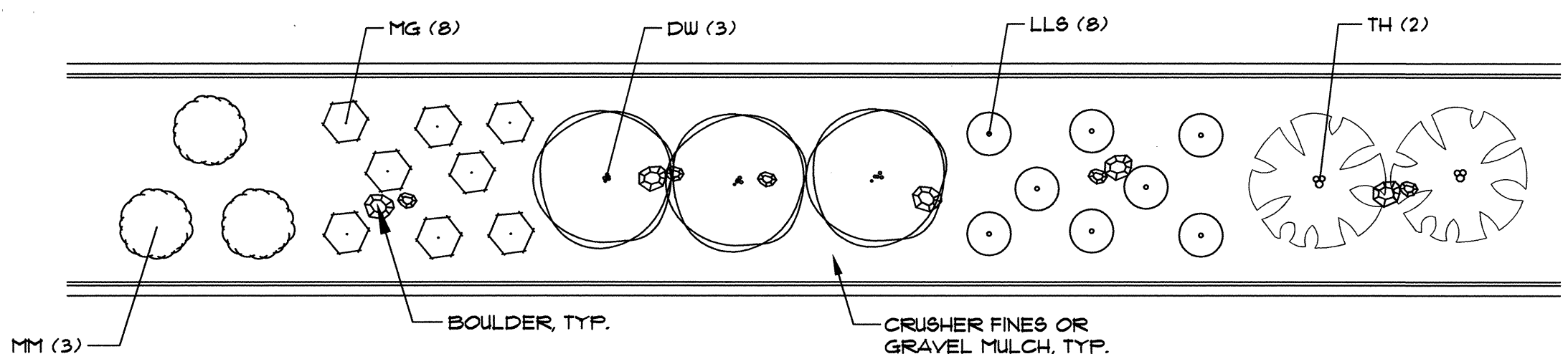
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' WIDE MEDIAN Scale: 1"=30'



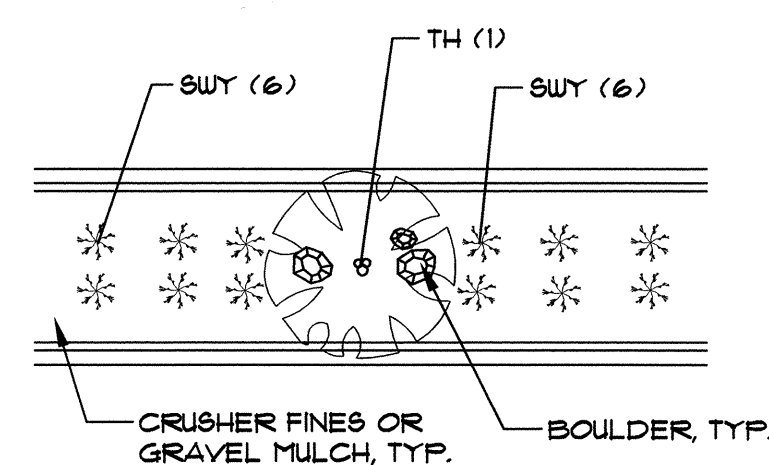
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) SCALE: 1"=30'



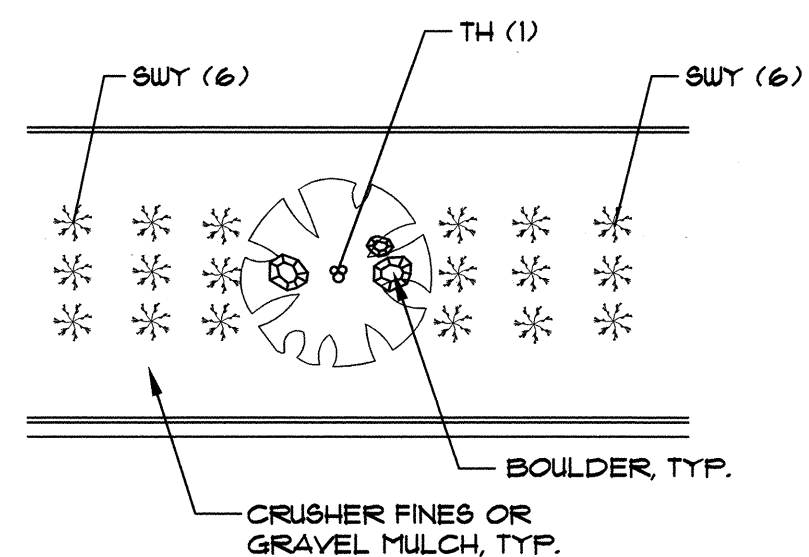
200' POD: TYP. 16' MEDIAN SCALE: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'

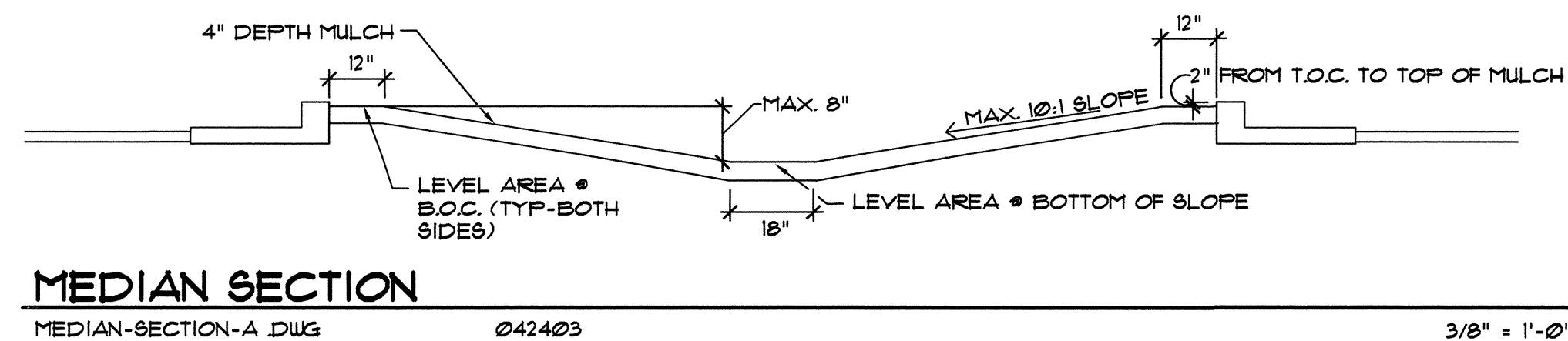


60' POD: TYP. 16' MEDIAN SCALE: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'

PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)						
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
<b>ACCENT TREES</b>						
DW	Desert Willow	Gambel Oak Callery Ornamental Pear	3	0	3	0
TH	Thornless Hawthorn	Shumard Oak Sunburst Honey Locust	2	1	2	1
<b>VERTICAL SHRUBS</b>						
MM	Mountain Mahogany	Golden Currant New Mexico Olive	2	0	3	0
<b>LARGE SHRUBS</b>						
LLG	Littleleaf Sumac	Apache Plume Rubber Rabbitbrush	5	0	5	0
MG	Maidengrass	Arp Rosemary Switch Grass	5	0	5	0
<b>SMALL SHRUBS/GROUNDCOVERS</b>						
SWY	Soapweed Yucca	Zebra Grass Buffalo Juniper	0	12	0	12



MEDIAN SECTION

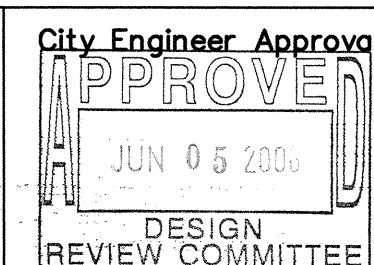
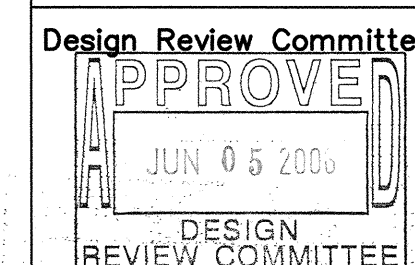
MEDIAN-SECTION-A.DWG 042403

3/8" = 1'-0"



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE D: PLANTING PLAN



Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

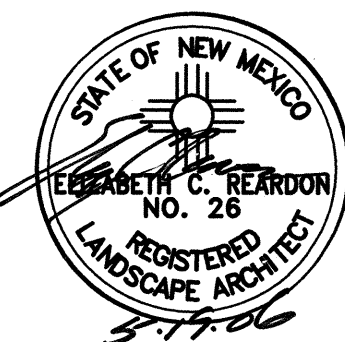
City Project No. 777900

Zone Map No.

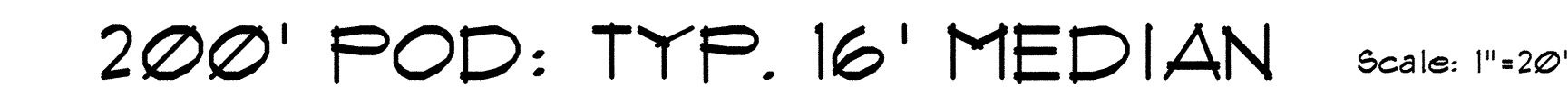
Sheet

12 OF 25

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORKED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DRAWN BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CHECKED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

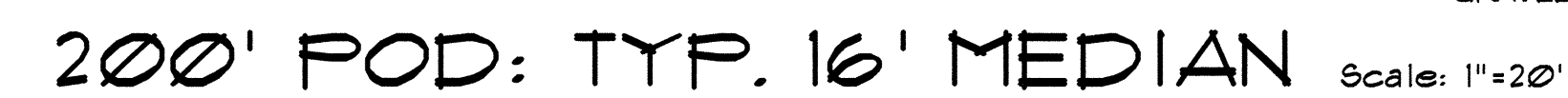






3 OF 25





4" DEPTH MULCH

12"

12"

MAX. 8"

MAX. 10:1 SLOPE

12"

2" FROM T.O.C. TO TOP OF MULCH

LEVEL AREA • B.O.C. (TYP-BOTH SIDES)

18"

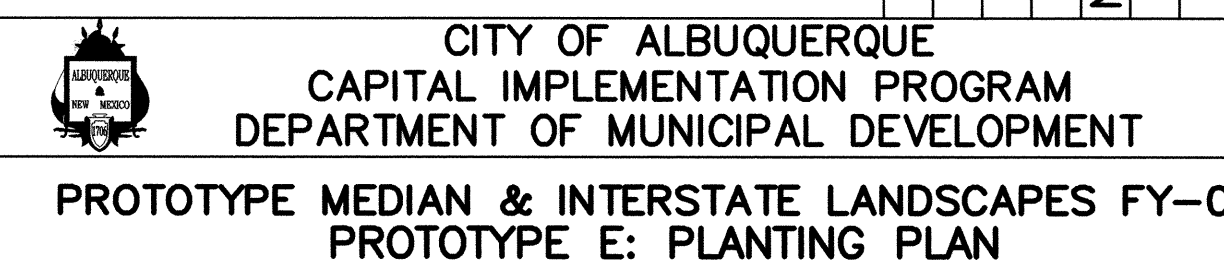
LEVEL AREA • BOTTOM OF SLOPE



## MEDIAN SECTION

MEDIAN-SECTION-A DWG

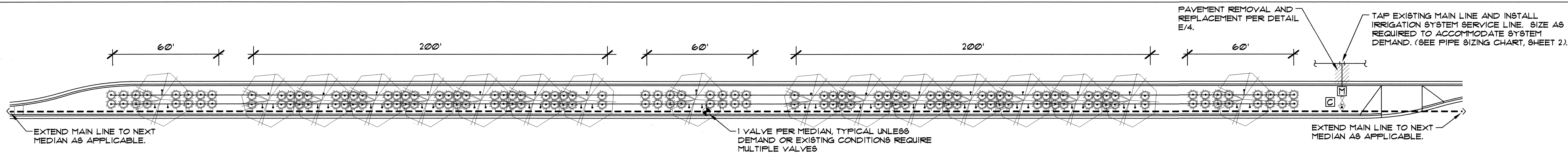
042403

3/8" = 1'-0"

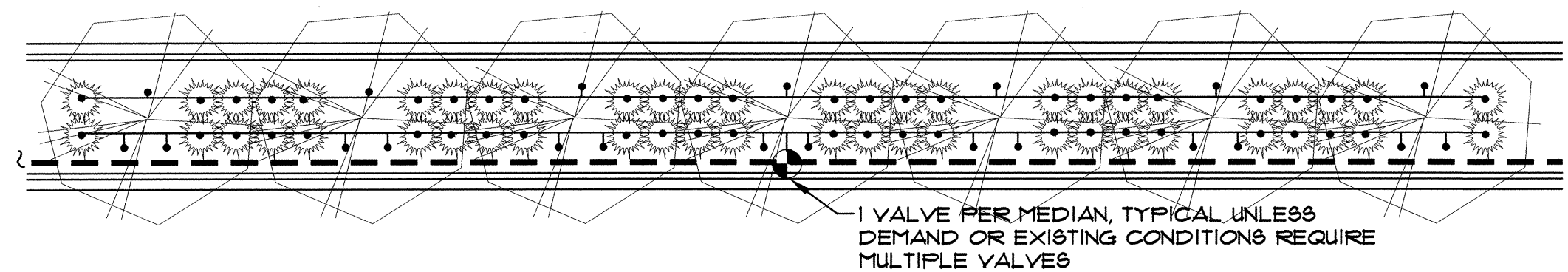


Design Review Committee  DESIGN REVIEW COMMITTEE	City Engineer Approval  DESIGN REVIEW COMMITTEE	Last Design Update	Mo./Day/Yr.      	Mo./Day/Yr.      
City Project No. 777900	Zone Map No.	Sheet 14 OF 25		

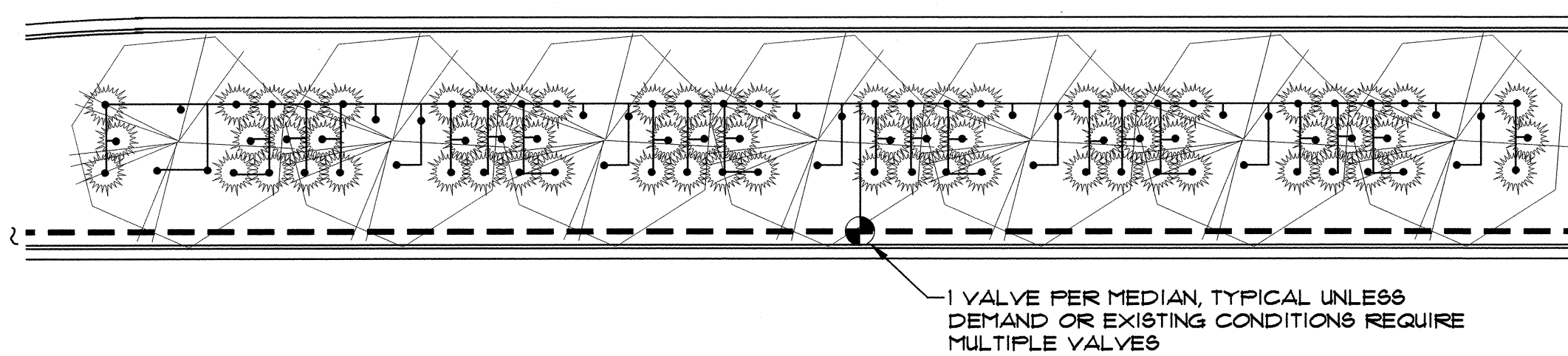




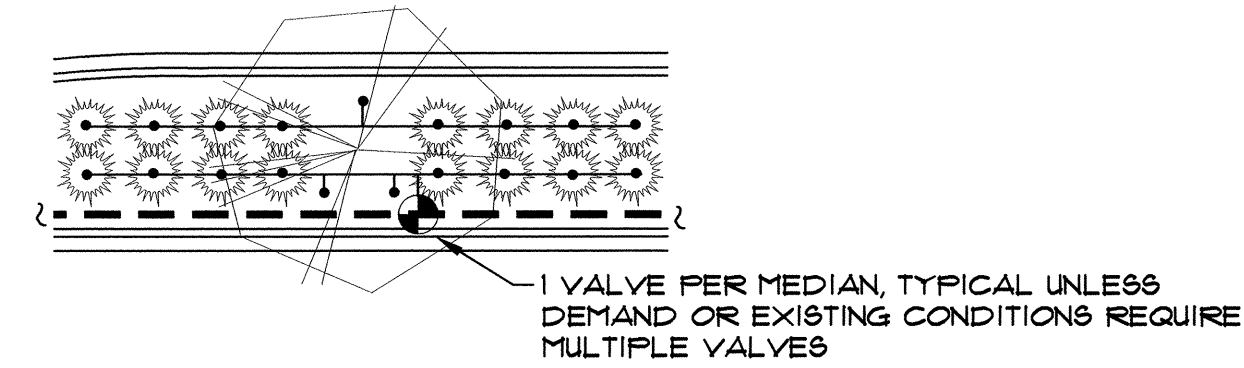
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



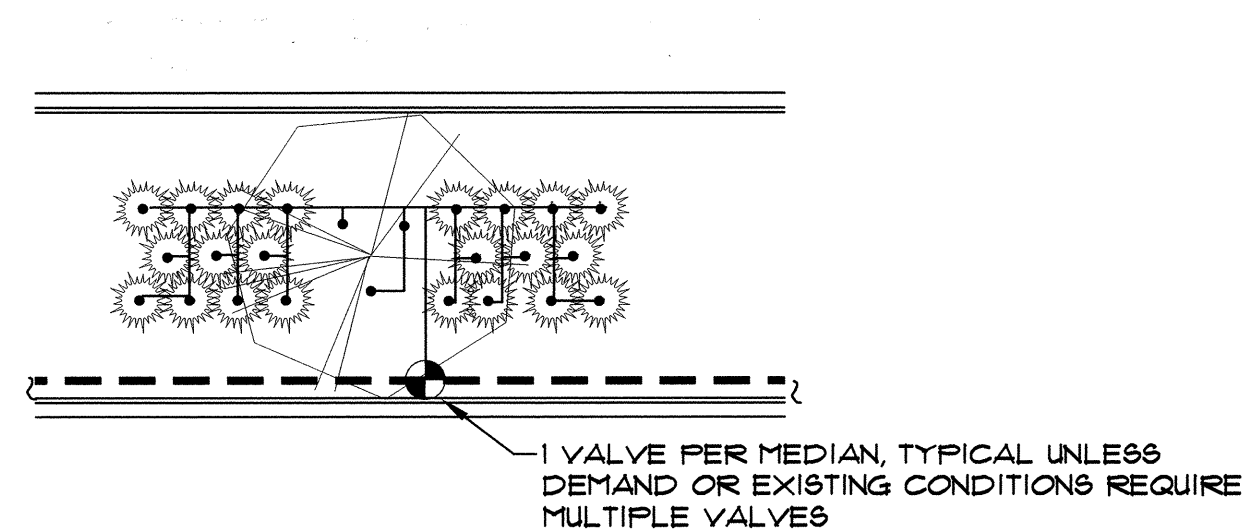
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



60' POD: TYP. 16' MEDIAN Scale: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

#### IRRIGATION LEGEND

- WATER METER PER COA DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
- IRRIGATION MAIN LINE, SCH 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.
- ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2107.
- FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
- PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.

MODEL NO.	GPM	P81
1401	25	30
- IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.

#### PROTOTYPE E GPM

STANDARD 200' POD:	19
STANDARD 50' POD:	5
WIDE MEDIAN 200' POD:	25
WIDE MEDIAN 50' POD:	7

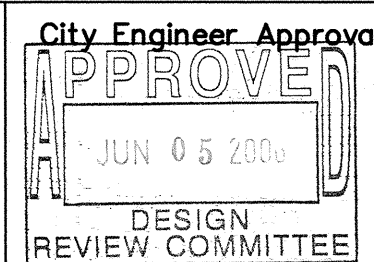
#### IRRIGATION NOTES

- SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
- CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
- BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
- UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE E: IRRIGATION PLAN



Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

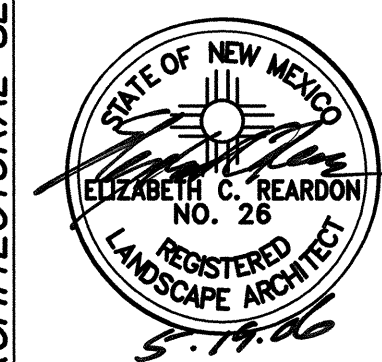
City Project No. 777900

Zone Map No.

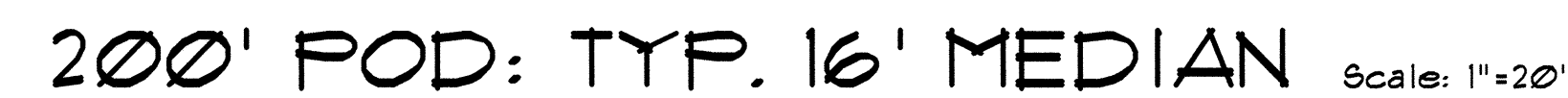
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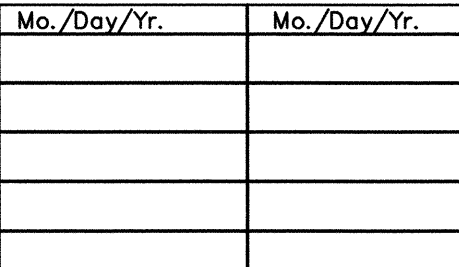
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS	
CONTRACTOR	DATE	NO.	DATE	FIELD NOTES	BY	NO.	DATE	NO.	DATE
INSPECTOR'S	DATE								
FIELD TIME BY	DATE								
VERIFICATION BY	DATE								
CHANGED BY	DATE								
MICRO-FILM INFORMATION									
RECORDED BY	DATE								
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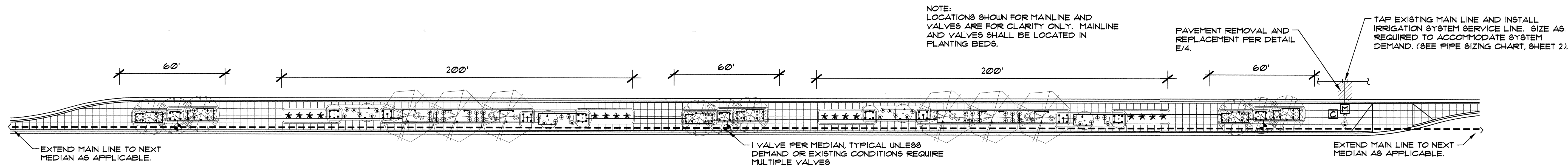




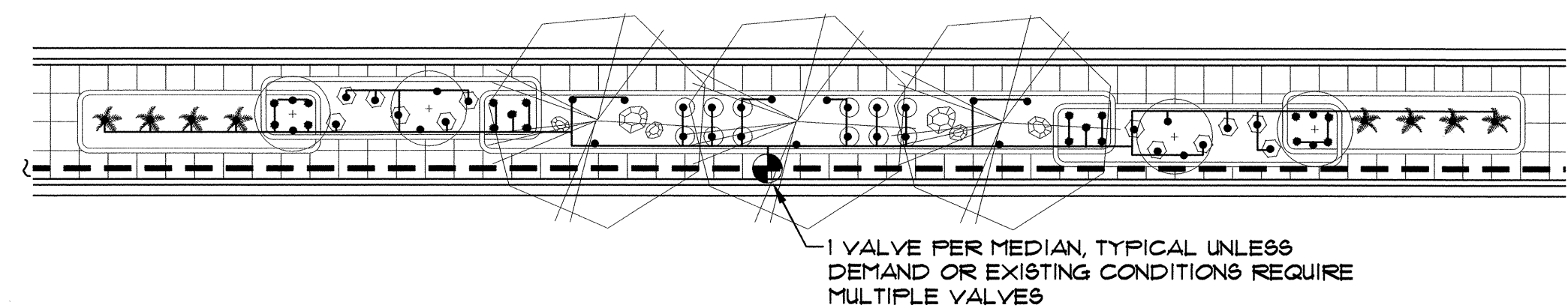
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 50' POD)
SHADE TREES						
MA	Modesto Ash	Chinese Pistache Lacebark Elm	3	0	3	0
ACCENT TREES						
TH	Thornless Hawthorn	Sunburst Honey Locust Smoke Tree	0	3	0	3
VERTICAL SHRUB						
BB	Butterfly Bush	Spanish Broom Fern Bush	4	0	4	0
LARGE SHRUBS						
MG	Maiden Grass	Sotol Red Yucca	8	0	16	0
SMALL SHRUBS						
IR	Irene Rosemary	Regal Mist Foerster's Grass	12	16	18	16
LV	Lavender	Shrubby Cinquefoil Blue Avena	12	0	12	0
GROUNDCOVERS						
BF	Blue Fescue		34	10	76	28


$$3/8'' = 1' = \emptyset''$$


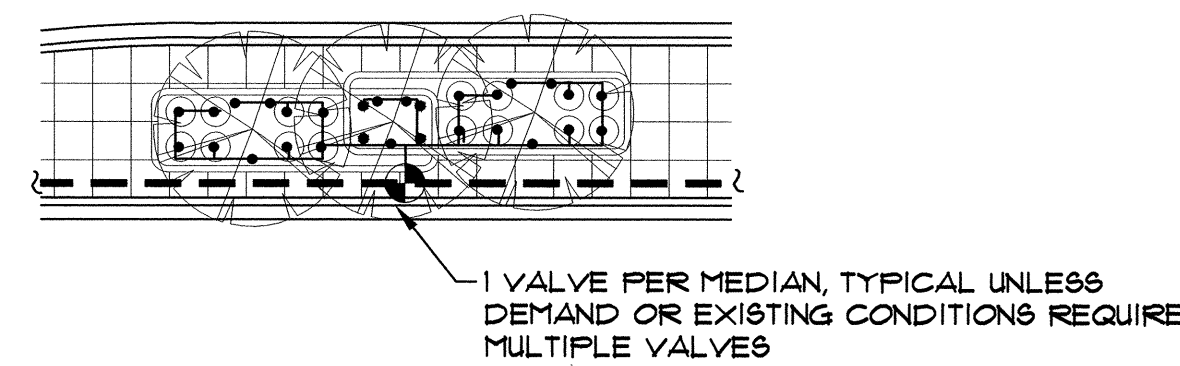




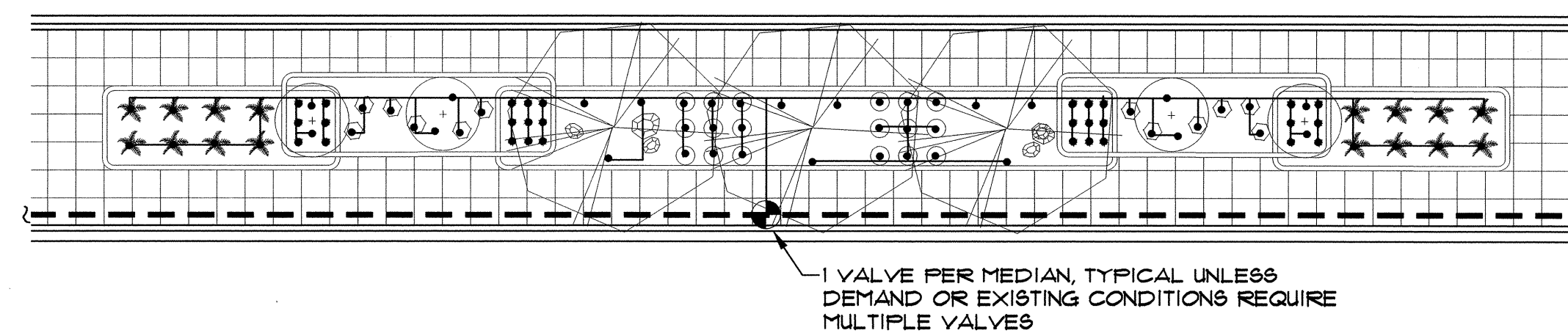
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



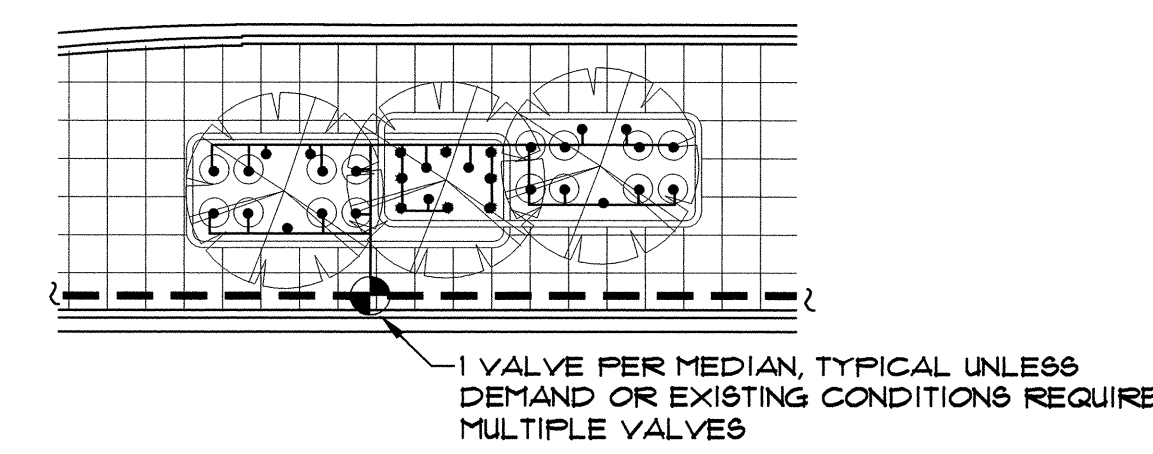
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



60' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

IRRIGATION LEGEND		
	WATER METER PER COA DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.	
	IRRIGATION MAIN LINE, SCH. 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.	
	LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.	
	ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2107.	
	FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.	
	REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)	
	SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.	
	PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.	
	IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.	

PROTOTYPE F GPM	
STANDARD 200' POD:	21
STANDARD 50' POD:	9
WIDE MEDIAN 200' POD:	36
WIDE MEDIAN 50' POD:	14

IRRIGATION NOTES	
1.	SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
2.	CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
3.	BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
4.	UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.

**MORROW REARDON WILKINSON, LTD. LANDSCAPE ARCHITECTS**  
 210 La Veta NE, Albuquerque, NM 87108  
 505.268.2206 FAX 505.265.9537  
 mrw@mrwnm.com

**CITY OF ALBUQUERQUE**  
**CAPITAL IMPLEMENTATION PROGRAM**  
**DEPARTMENT OF MUNICIPAL DEVELOPMENT**

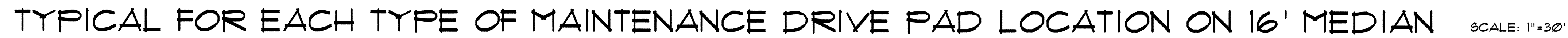
**PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B**  
**PROTOTYPE F: IRRIGATION PLAN**

Design Review Committee <b>APPROVED</b> JUN 05 2006 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVED</b> JUN 05 2006 DESIGN REVIEW COMMITTEE	Mo./Day/Yr. 	Mo./Day/Yr. 
City Project No. <b>777900</b>	Zone Map No. 	Sheet <b>17 OF 25</b>	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		BY	
CONTRACTOR	DATE	NO.	DATE	FIELD NOTES	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORKED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DRAWN BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE







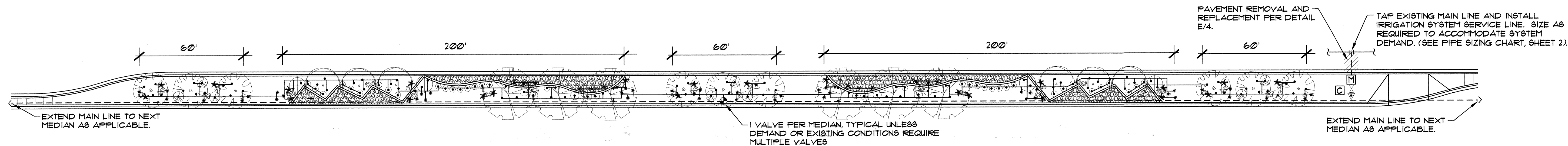
A diagram of a typical boulder, which is an irregular, rounded shape. It is divided into several regions, each labeled with a material type and a percentage in parentheses. The labels and their corresponding regions are:
 

- GO (3)**: Points to a small, irregularly shaped region at the top left.
- BOULDER, TYP.**: Points to the main body of the boulder.
- MP (4)**: Points to a small, irregularly shaped region on the left side.
- MG (3)**: Points to a small, irregularly shaped region on the left side, below MP (4).
- TLS (3)**: Points to a small, irregularly shaped region on the left side, below MG (3).
- MP (5)**: Points to a small, irregularly shaped region on the right side.
- CRUSHER FINES OR GRAVEL MULCH, TYP.**: Points to a small, irregularly shaped region on the right side, below MP (5).

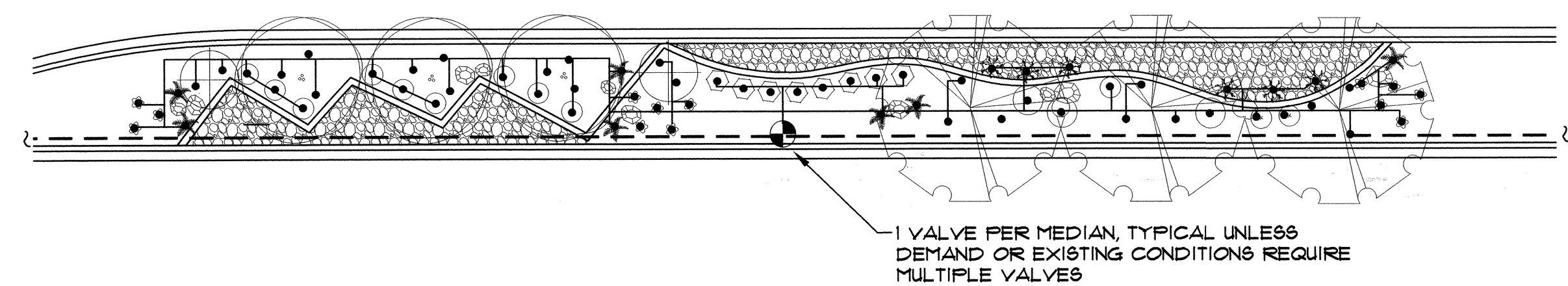
The diagram illustrates the crushing mechanism of a jaw crusher. It shows two large, circular, toothed rotors (labeled MP (7) and MG (4)) rotating between two horizontal plates. The rotors are driven by a motor (GO (3)) and a belt drive system (TLB (3)). The resulting product size distribution is shown as a series of circles of varying sizes, labeled with their respective diameters: CRUSHER FINES OR GRAVEL MULCH, TYPE (1), (2), (3), (4), (5), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17), (18), (19), (20), (21), (22), (23), (24), (25), (26), (27), (28), (29), (30), (31), (32), (33), (34), (35), (36), (37), (38), (39), (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52), (53), (54), (55), (56), (57), (58), (59), (60), (61), (62), (63), (64), (65), (66), (67), (68), (69), (70), (71), (72), (73), (74), (75), (76), (77), (78), (79), (80), (81), (82), (83), (84), (85), (86), (87), (88), (89), (90), (91), (92), (93), (94), (95), (96), (97), (98), (99), (100). The product size distribution is shown as a series of circles of varying sizes, labeled with their respective diameters: CRUSHER FINES OR GRAVEL MULCH, TYPE (1), (2), (3), (4), (5), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17), (18), (19), (20), (21), (22), (23), (24), (25), (26), (27), (28), (29), (30), (31), (32), (33), (34), (35), (36), (37), (38), (39), (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52), (53), (54), (55), (56), (57), (58), (59), (60), (61), (62), (63), (64), (65), (66), (67), (68), (69), (70), (71), (72), (73), (74), (75), (76), (77), (78), (79), (80), (81), (82), (83), (84), (85), (86), (87), (88), (89), (90), (91), (92), (93), (94), (95), (96), (97), (98), (99), (100).

Sheet 18 OF 25

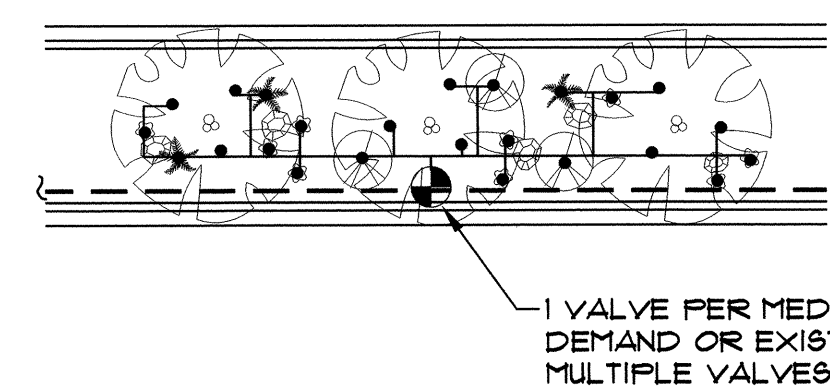




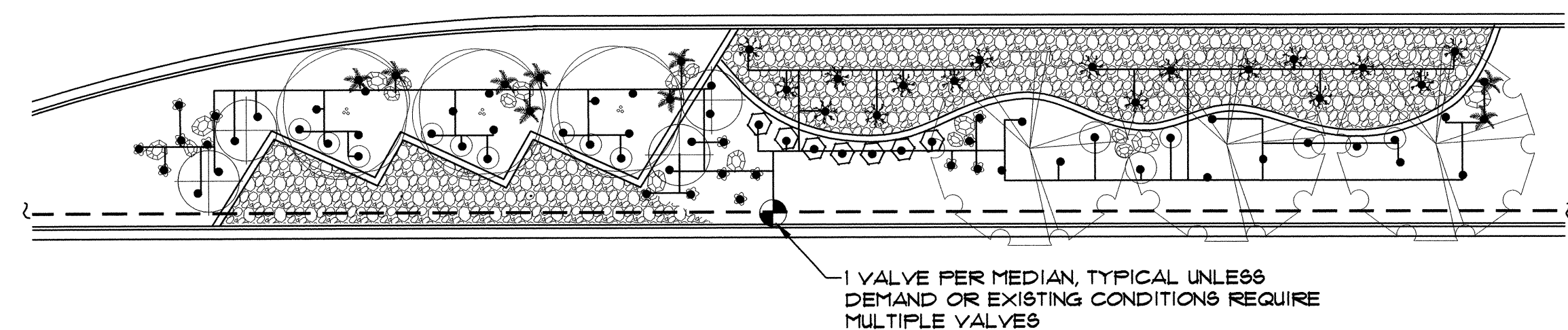
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



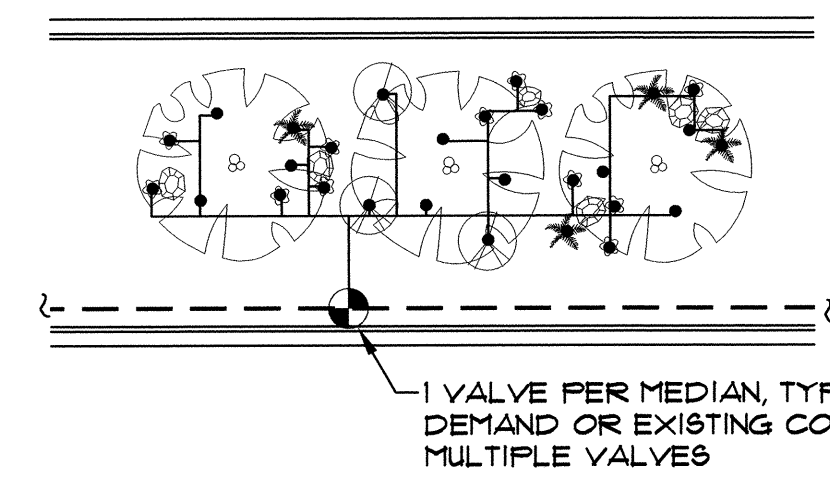
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



60' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

IRRIGATION LEGEND		
[M]	WATER METER PER COA DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.	
---	IRRIGATION MAIN LINE, SCH 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.	
---	LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.	
[X]	ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2107.	
[P]	FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.	
[R]	REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)	
[C]	SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.	
	PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.	
	MODEL NO.	GPM
	1401	25
		30
[G]	IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC. CONTROLLER WITH INTERSPEC ENCLOSURE AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.	

PROTOTYPE G GPM	
STANDARD 200' POD:	21
STANDARD 50' POD:	6
WIDE MEDIAN 200' POD:	26
WIDE MEDIAN 50' POD:	7

IRRIGATION NOTES	
1.	SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
2.	CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
3.	BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
4.	UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.

**MORROW REARDON WILKINSON, LTD.**  
LANDSCAPE ARCHITECTS  
210 La Veta NE, Albuquerque, NM 87108  
505.266.2266 FAX 505.266.9897  
mrw@mrwnm.com

**CITY OF ALBUQUERQUE**  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

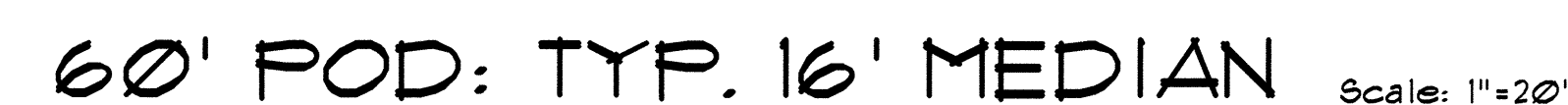
**PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B**  
**PROTOTYPE G: IRRIGATION PLAN**

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUN 05 2006 DESIGN REVIEW COMMITTEE	APPROVED JUN 05 2006 DESIGN REVIEW COMMITTEE		
City Project No.	Zone Map No.	Sheet	
777900		19 OF 25	

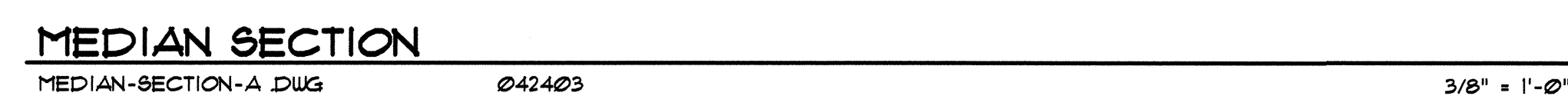
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE			NO.	DATE		
INSPECTOR'S	DATE										
FIELD VERIFICATION BY	DATE										
APPROVED BY	DATE										
CORRECTED BY	DATE										
RECORDED BY	DATE										
NO.											



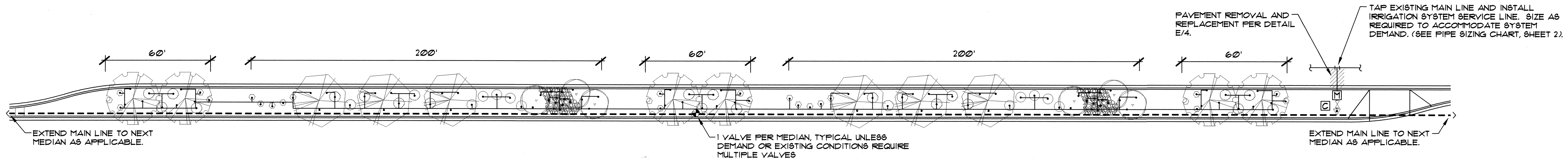




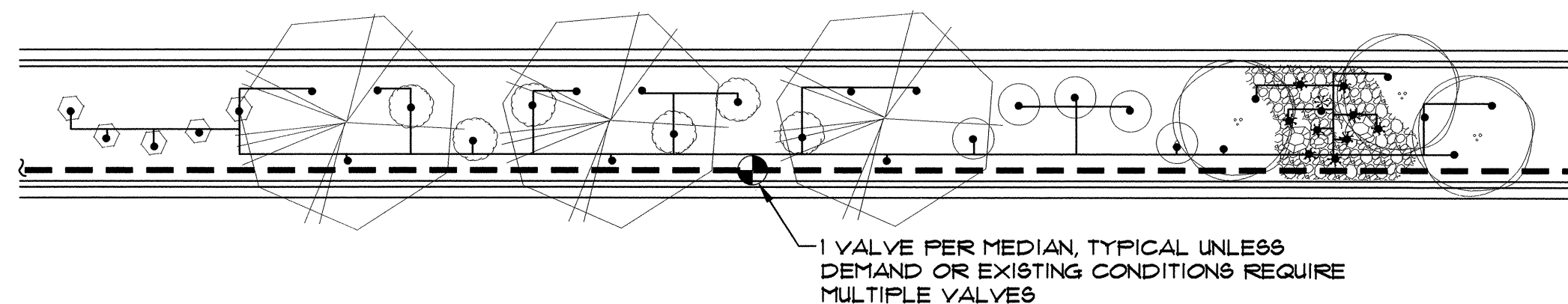
\*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.

20 OF 25

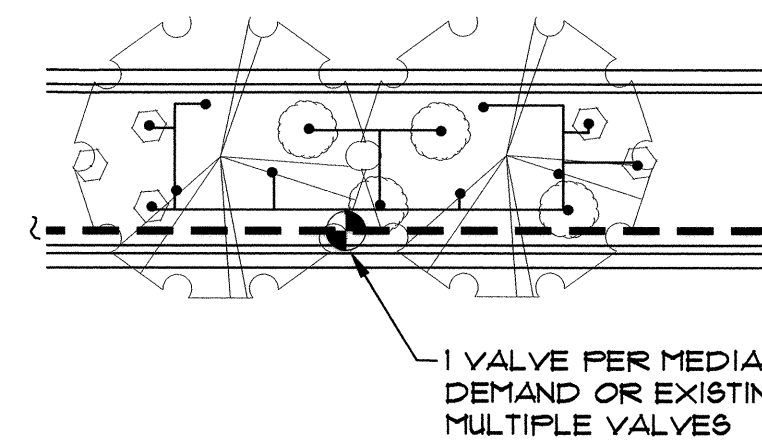




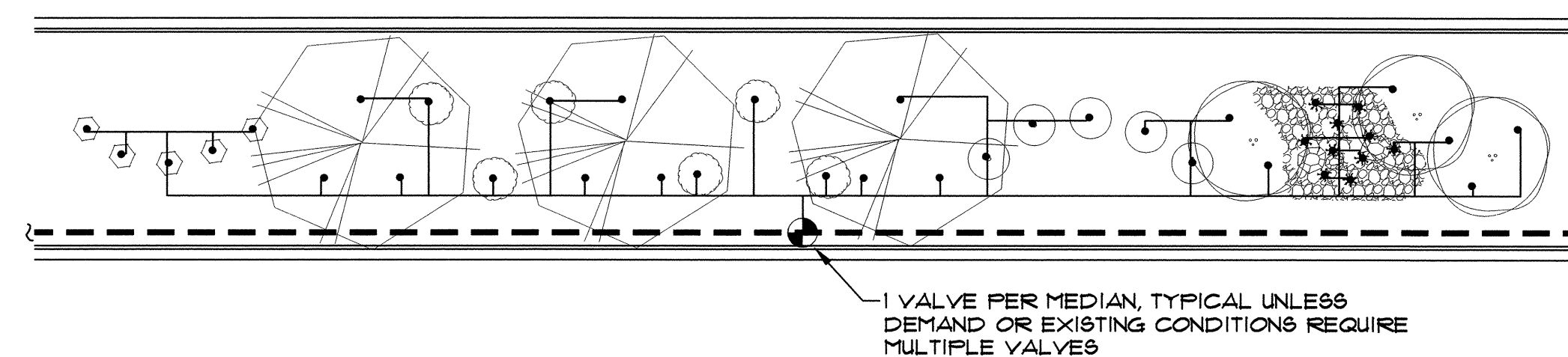
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



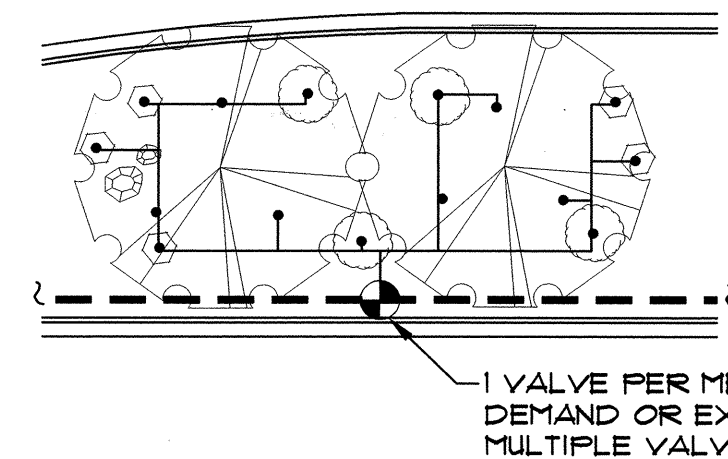
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



60' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

#### IRRIGATION LEGEND

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- IRRIGATION MAIN LINE, SCH. 40 BELL END, SOLVENT WELD PVC. DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". SIZE PER PIPE SIZING CHART, SHEET 2.
- ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2101.
- FEBECO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2103. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
- PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2110, 2111, 2111-A AND 2112.
 

MODEL NO.	GPM	PSI
1401	25	30
- IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOMED ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.

#### PROTOTYPE H GPM

STANDARD 200' POD:	11
STANDARD 50' POD:	4
WIDE MEDIAN 200' POD:	11
WIDE MEDIAN 50' POD:	4

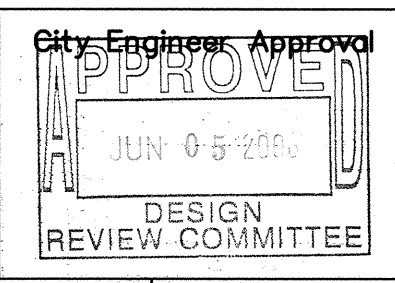
#### IRRIGATION NOTES

- SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
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CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE H: IRRIGATION PLAN



Least Design Update

Mo./Day/Yr.	Mo./Day/Yr.

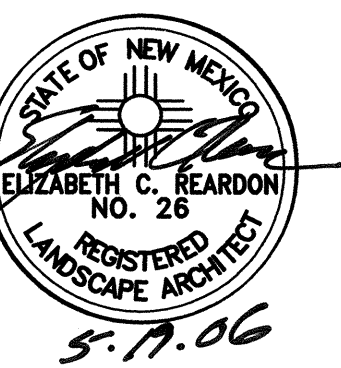
City Project No. 777900

Zone Map No.

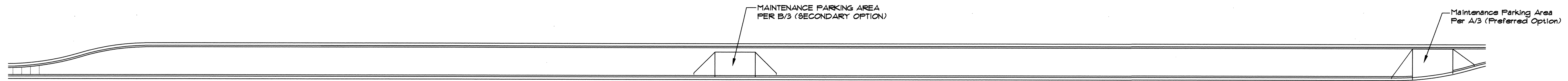
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21 OF 25

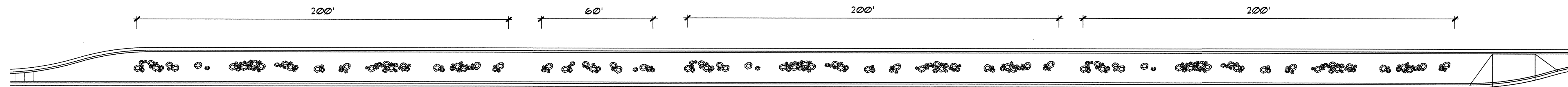
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	FIELD NOTES	BY	NO.	DATE	NO.	DATE	BY	DATE
WORKED BY	DATE										
INSPECTED BY	DATE										
ACCEPTANCE BY	DATE										
VERIFICATION BY	DATE										
DRAWING NO.	DATE										
DRAWING BY	DATE										
RECORDED BY	DATE										
NO.											



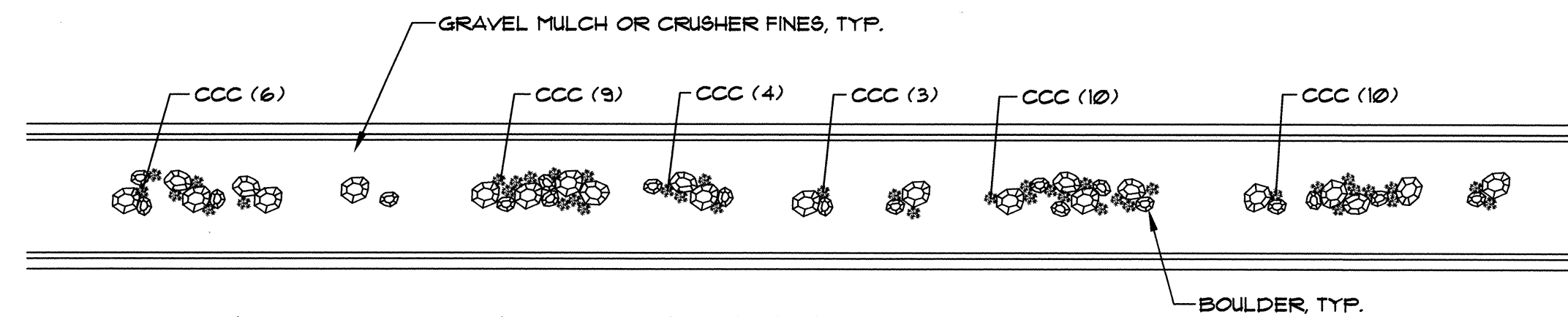




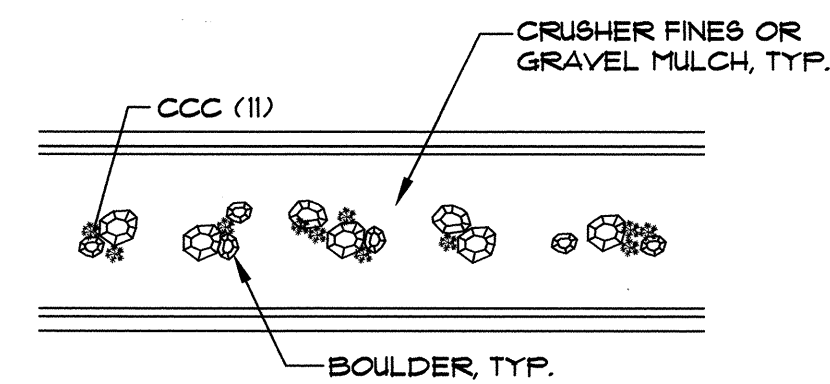
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' MEDIAN SCALE: 1"=30'



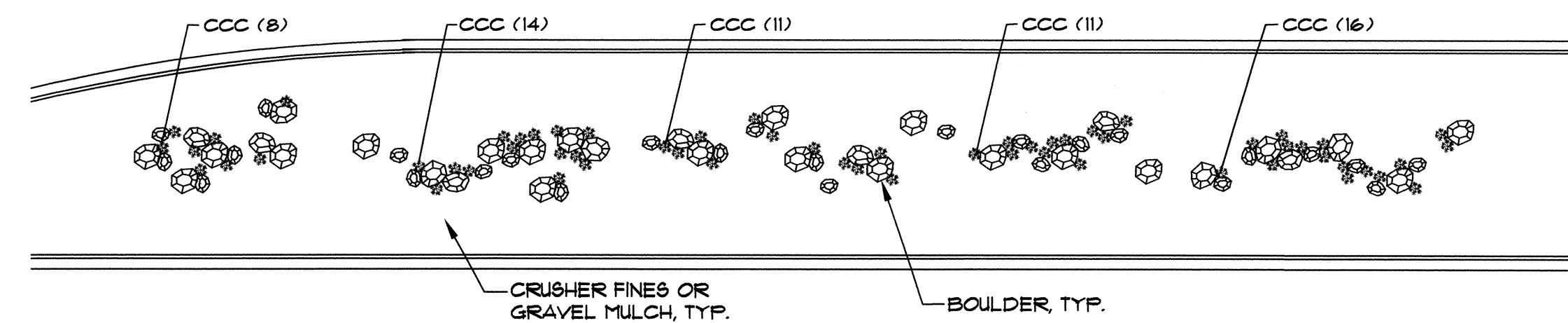
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) SCALE: 1"=30'



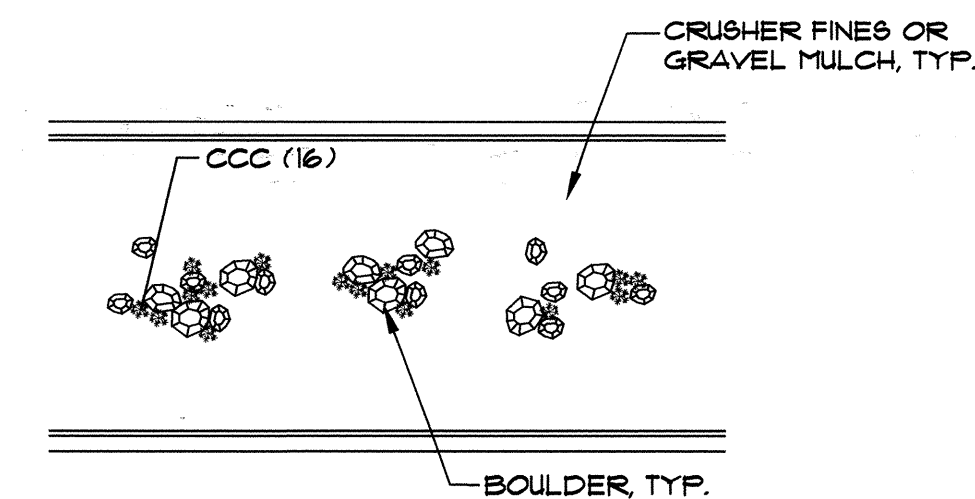
200' POD: TYP. 16' MEDIAN SCALE: 1"=20'



60' POD: TYP. 16' MEDIAN SCALE: 1"=20'

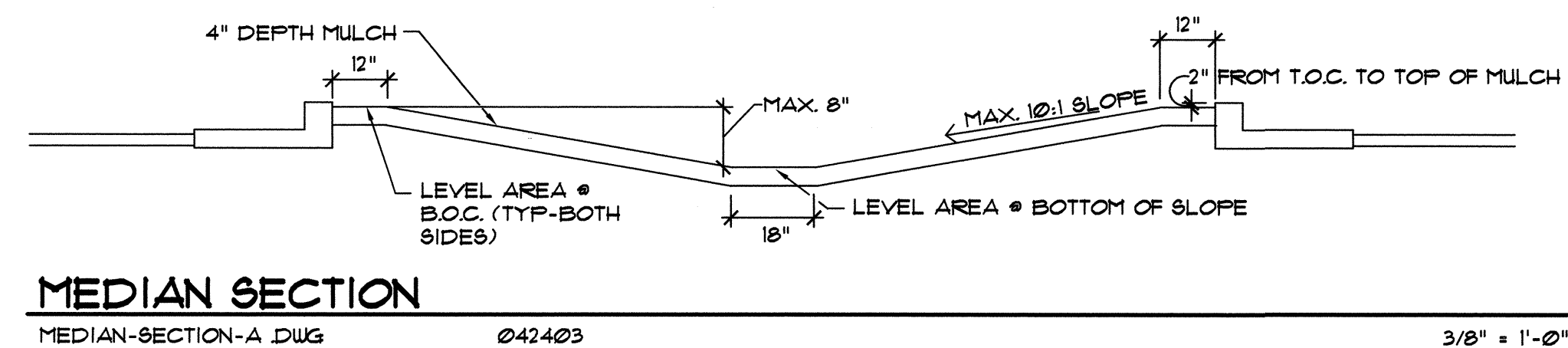


200' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'



60' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'

PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)						
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (60' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 60' POD)
GROUND COVER CACTI						
CCC	Claret Cup Cactus	Bailey's Lace Cactus Royal Gorge Spiney Hedgehog New Mexico Rainbow Hedgehog	42	11	60	16

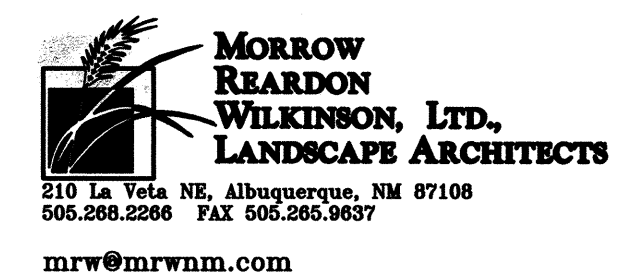


MEDIAN SECTION

MEDIAN-SECTION-A.DWG

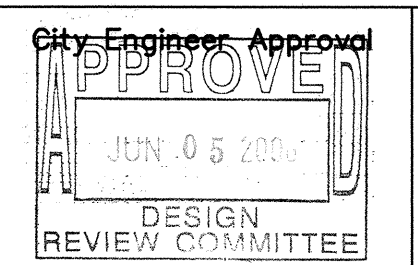
042403

3/8" = 1'-0"



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE I: PLANTING PLAN



Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

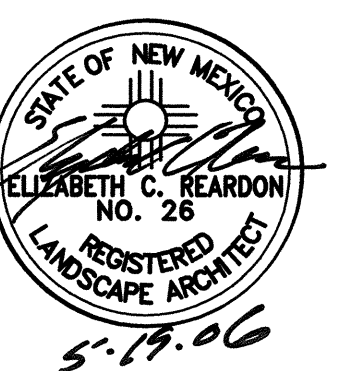
City Project No. 777900

Zone Map No.

Sheet

22 OF 25

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK BY											
INSPECTED BY											
ACCEPTANCE BY											
DESIGNED BY											
DRAWN BY											
CHECKED BY											
RECORDED BY											
NO.											



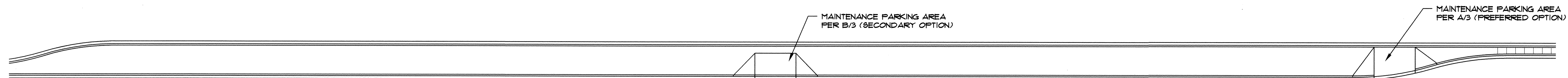




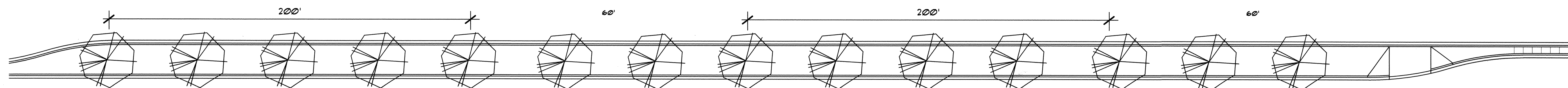
NOTE:  
NO IRRIGATION EQUIPMENT  
REQUIRED FOR THIS PROTOTYPE.  
CACTI SHALL BE HAND WATERED  
ONE (1) TIME IMMEDIATELY  
FOLLOWING INSTALLATION. NO  
ADDITIONAL IRRIGATION REQUIRED.

<p><b>MORROW REARDON WILKINSON, LTD., LANDSCAPE ARCHITECTS</b></p> <p>210 La Vida NE, Albuquerque, NM 87108 505.246.2296 FAX 505.255.9537</p> <p>mrv@mrvnm.com</p>												<b>NO.</b> <b>DATE</b>		<b>WILSON &amp; COMPANY</b> DESIGNED BY ECR EAC DRAWN BY ECR ECR	
<div style="text-align: center;">           CITY OF ALBUQUERQUE          CAPITAL IMPLEMENTATION PROGRAM          DEPARTMENT OF MUNICIPAL DEVELOPMENT       </div>															
<div style="text-align: center;"> <b>PROTOTYPE MEDIAN &amp; INTERSTATE LANDSCAPES FY-06B</b>  <b>PROTOTYPE I: IRRIGATION PLAN</b> </div>															
Design Review Committee			City Engineer Approval			Last Design Update	Mo./Day/Yr.		Mo./Day/Yr.						
City Project No. <b>777900</b>						Zone Map No.			Sheet <b>23 OF 25</b>						

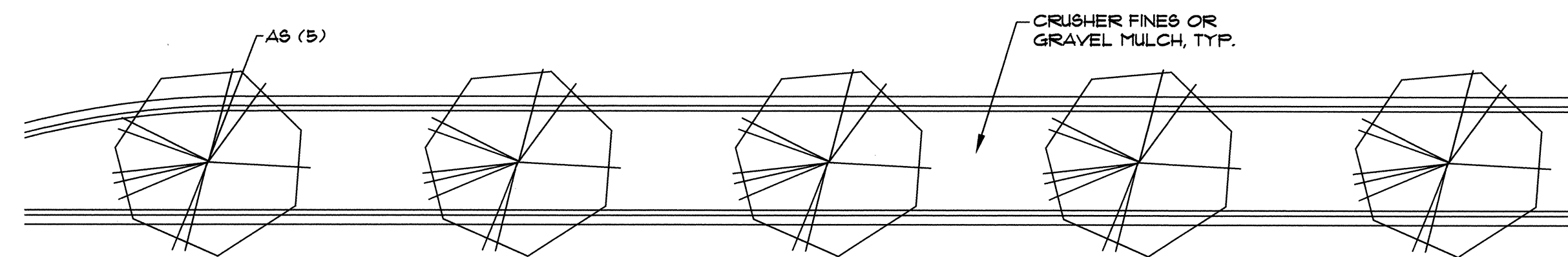




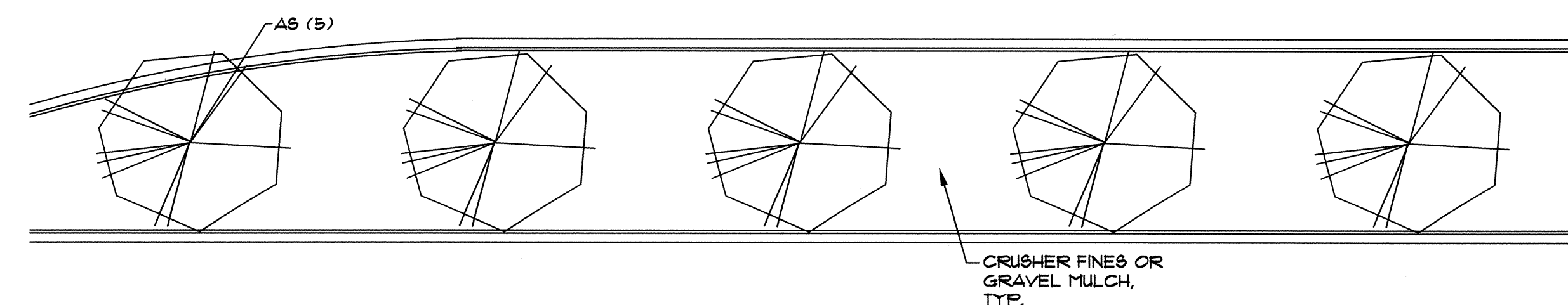
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' WIDE MEDIAN Scale: 1"=30'



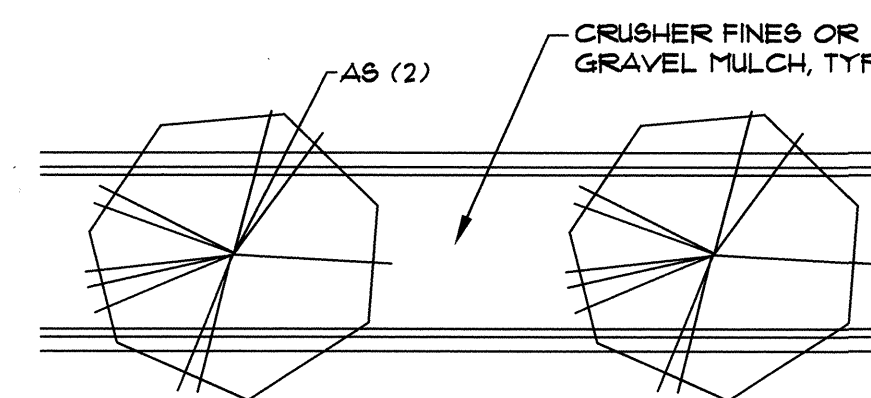
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) Scale: 1"=30'



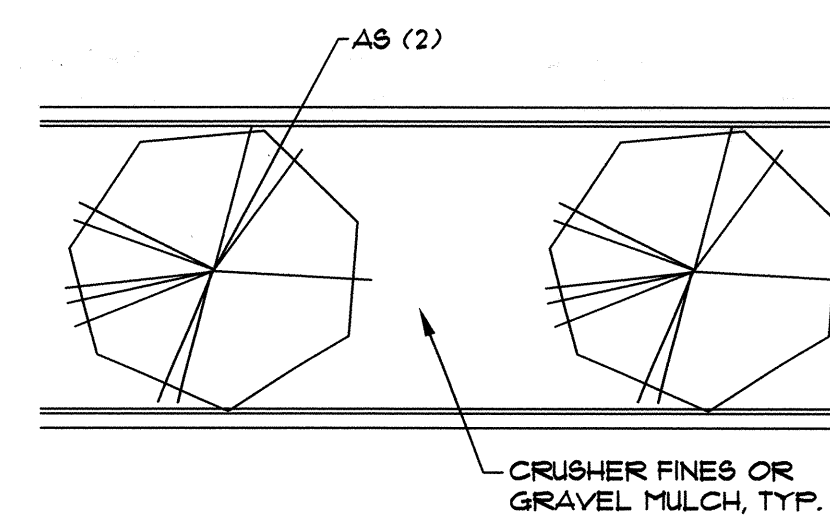
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

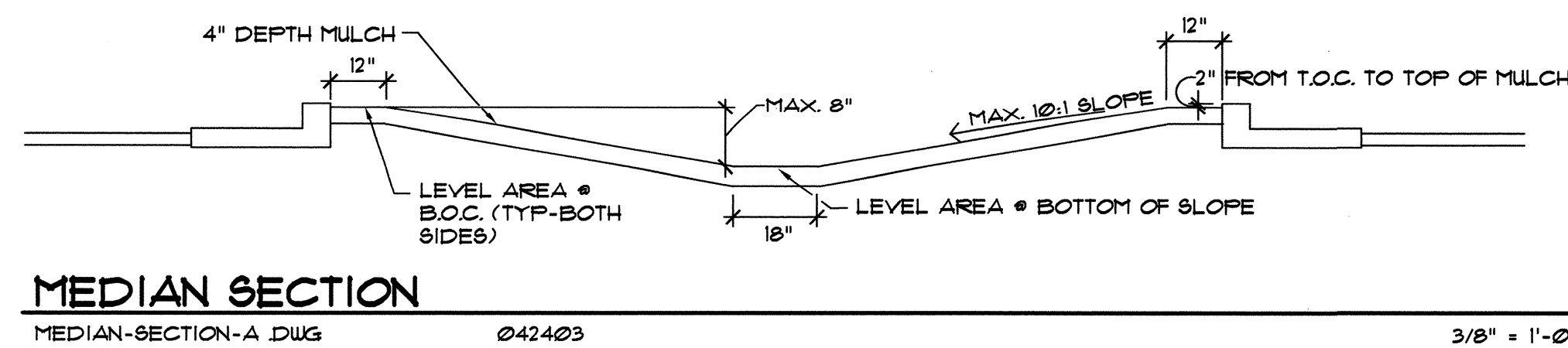


60' POD: TYP. 16' MEDIAN Scale: 1"=20'



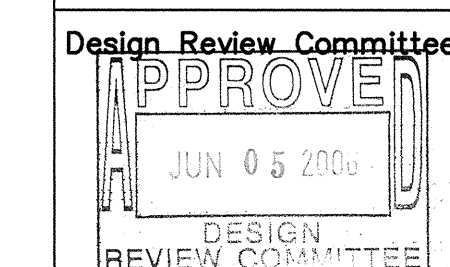
60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

PLANT LEGEND (See Master Plant List, Sheet 5 for Complete Plant Sizing Information)						
SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	QTY. (200' POD)	QTY. (60' POD)	QTY. (WIDE 200' POD)	QTY. (WIDE 60' POD)
SHADE TREES						
AS	Arizona Sycamore	Autumn Purple Ash Honey Locust Lacebark Elm	5	2	5	2



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE J: PLANTING PLAN



Last Design Update

City Project No.  
777900

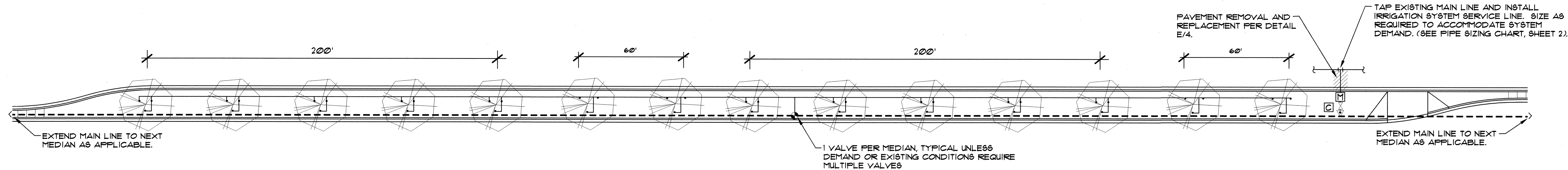
Zone Map No.

Sheet  
24 OF 25

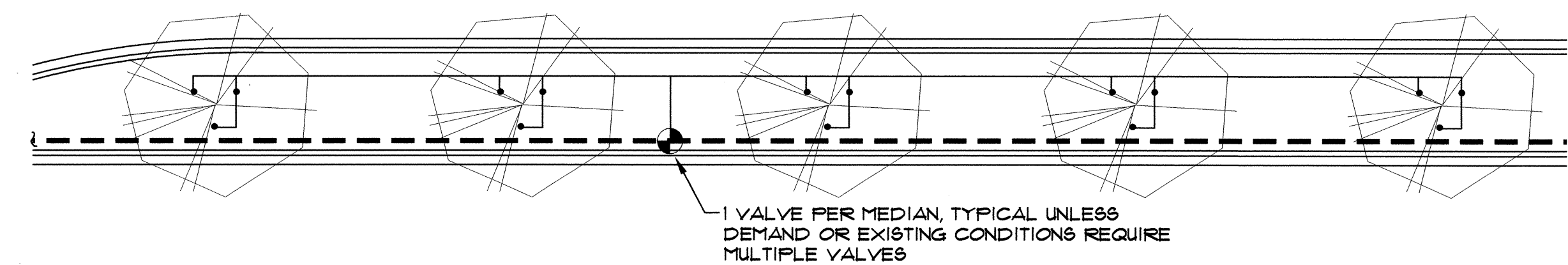
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DRAWINGS	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CORRECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
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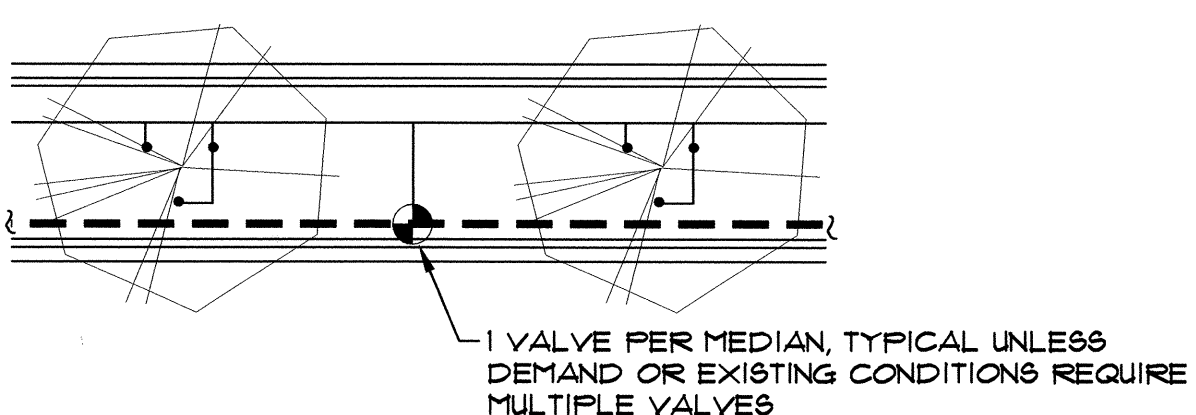




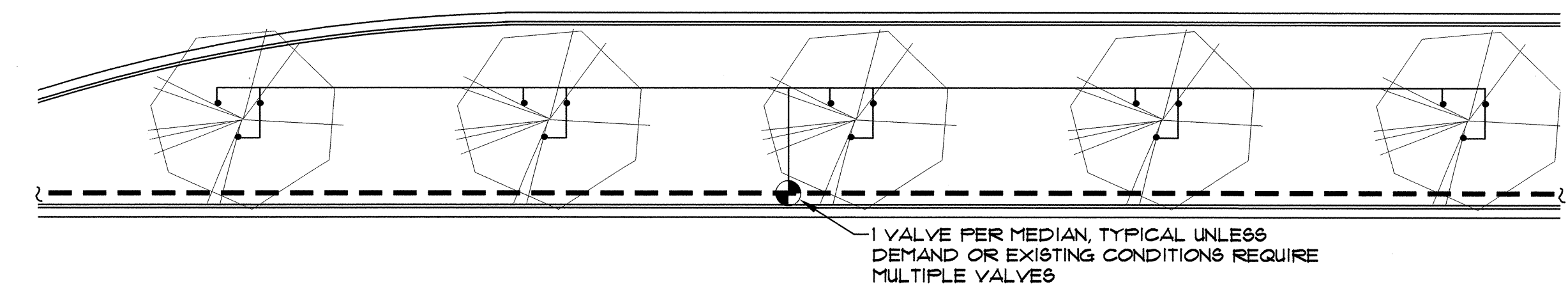
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



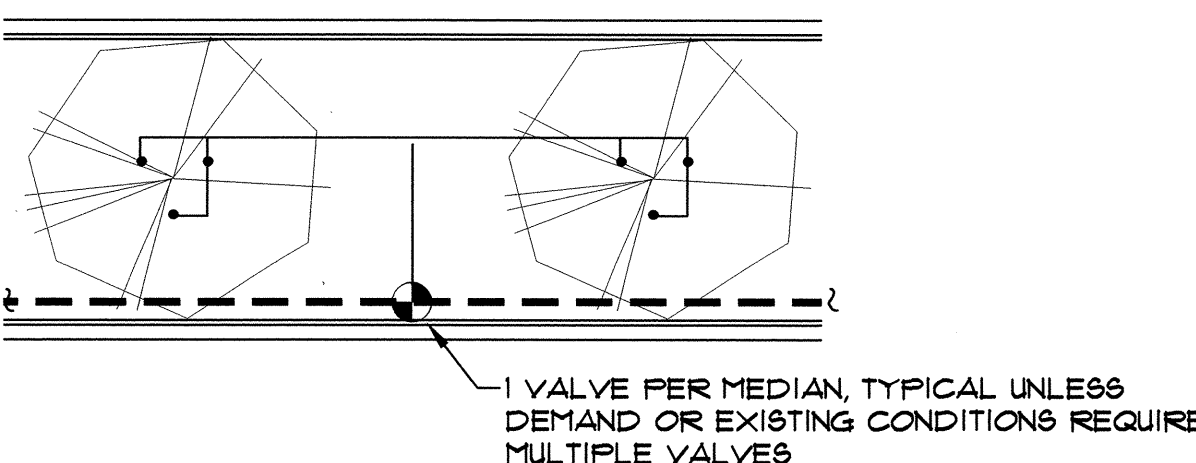
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200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



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### IRRIGATION LEGEND

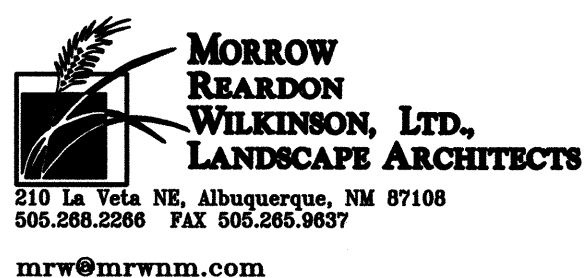
- [M] WATER METER PER C.O.A. DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
- IRRIGATION MAIN LINE, SCH. 40 BELL END, SOLVENT WELD PVC. DEPTH OF SHALL BE BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN LINE AND 18" DEPTH OF BURY FOR NON-CONTINUOUS PRESSURE. SIZE PER PIPE SIZING CHART, SHEET 2.
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- [X] ISOLATION VALVE ASSEMBLY, SIZE PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2707.
- [P] FEBCO 825YA REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER AND MASTER VALVE ASSEMBLY WITH BALL VALVES, INSTALLED IN HEATED AND INSULATED ENCLOSURE AND MASTER METER INSTALLED IN VALVE BOX PER DETAIL C/4. SIZE OF RP, MASTER VALVE, AND MASTER METER SHALL BE SAME AS LINE SIZE. ENCLOSURE SHALL BE SIZED TO ACCOMMODATE SIZE OF RP AND MASTER VALVE ASSEMBLY.
- [R] REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE, PER VALVE SIZING CHART, SHEET 2. INSTALL PER C.O.A. DRAWING NO. 2703. (SIMILAR - SEE IRRIGATION NOTES #24 AND #25, SHEET 2.)
- [C] SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.  
PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBERS 2710, 2711, 2711-A AND 2712.  
MODEL NO. GPM PSI  
1401 25 30
- [C] IRRINET AC, IRRINET DC, SCORPIO AC, OR SCORPIO DC, CONTROLLER WITH INTERSPEC ENCLOSURE AND DOME ANTENNA. UNIT SHALL COMMUNICATE ON C.O.A. RADIO FREQUENCY (WIDE BAND). INSTALL PER DETAILS B/4 AND D/4. COORDINATE WITH CITY PROJECT MANAGER FOR TYPE OF CONTROLLER. SIZE AS REQUIRED TO ACCOMMODATE QUANTITY OF REMOTE CONTROL VALVES AND MASTER VALVE.

### PROTOTYPE J GPM

STANDARD 200' POD:	4
STANDARD 50' POD:	2
WIDE MEDIAN 200' POD:	4
WIDE MEDIAN 50' POD:	2


### IRRIGATION NOTES

- SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
- CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
- BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
- UNIT PRICE BID ITEM FOR EACH POD INCLUDES BUBBLERS AND RELATED INCIDENTAL COMPONENTS ONLY. BALANCE OF IRRIGATION COMPONENTS (MAIN LINE, WIRE, BACKFLOW PREVENTER, GATE VALVE, METER, TAP, SERVICE LINE, CONTROL VALVES & LATERAL LINES) ARE BID AS SEPARATE UNIT BID ITEMS. FITTINGS AND OTHER IRRIGATION COMPONENTS REQUIRED TO INSTALL INDIVIDUAL BID ITEMS SHALL BE INCIDENTAL TO THE WORK AND INCLUDED AT NO ADDITIONAL COST TO THE OWNER.



CITY OF ALBUQUERQUE  
CAPITAL IMPLEMENTATION PROGRAM  
DEPARTMENT OF MUNICIPAL DEVELOPMENT  
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-06B  
PROTOTYPE J: IRRIGATION PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE JUN 05 2006 DESIGN REVIEW COMMITTEE	APPROVE JUN 05 2006 DESIGN REVIEW COMMITTEE		

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL	
CONTRACTOR	DATE	NO.	DATE	FIELD NOTES	NO.		
WORK BY	DATE	BY	DATE	NO.	DATE		
INSPECTOR'S ACCEPTANCE BY	DATE					REVISIONS WILSON & COMPANY, ENGINEERS & ARCHITECTS DESIGNED BY ECR/MAK DATE MAY 2006 DRAWN BY EAC/MAK DATE MAY 2006 CHECKED BY ECR DATE MAY 2006	
VERIFICATION BY	DATE						
DRAWINGS BY	DATE						
RECORDED BY	DATE						
NO.							