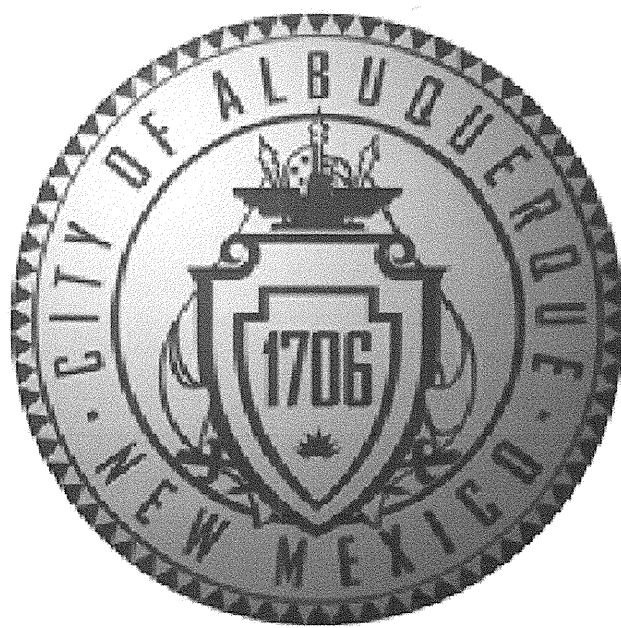


JULY 2007

CITY OF ALBUQUERQUE
PARKS AND RECREATION DEPARTMENT
DESIGN DEVELOPMENT DIVISION



ON-CALL PROTOTYPE MEDIAN AND
INTERSTATE LANDSCAPES FY-07A

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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 SHALL 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>Stephen Woodell</i>	7/16/07	APPROVED FOR CONSTRUCTION			
	TRANSPORTATION	<i>[Signature]</i>	7/16/07				
	WATER/WASTEWATER	<i>William D. Bradley</i>	7/16/07				
	HYDROLOGY	<i>Brendley L. Bingham</i>	7/16/07				
	PARKS & RECREATION						
CONSTR. COORD.							
ENV. HEALTH							
City Project Number				Sheet		Of	
790300				1		25	

[Signature] 7-16-07
City Engineer Date

GENERAL NOTES

1. PRIOR TO STARTING CONSTRUCTION, CONTRACTOR SHALL VERIFY THE FOLLOWING WITH THE CITY PROJECT MANAGER.
- A. EXISTING WATER PRESSURE (SEE IRRIGATION NOTE #13).
- 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 SIFTING 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 ~~1 INCH~~ 1" BELOW TOP OF CURB. FOR BIDDING PURPOSES, IT SHALL BE ASSUMED THAT EXISTING FINISH GRADE WITHIN A PROTOTYPE POD IS FLUSH WITH TOP OF ADJACENT CURB. SOIL TO BE REMOVED WITHIN A POD 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 ('BUILDOLOGY BROWN' OR EQUAL) 1/4" MINUS. GRAVEL SHALL BE 3/4"-1" WARM-TONE GRAVEL ('BUILDOLOGY BROWN' OR EQUAL) SUBANGULAR GRAVEL.
- B. WHERE PLANTING PLANS SPECIFY 'COBBLE MULCH', MULCH SHALL BE 2"-4" WARM-TONE ('BUILDOLOGY 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, 1.5 BAG PER 84 LF. BACK OF CURB, COLORED MIX INCLUDING 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 M088 ROCK, GRANITE, OR EQUAL AS APPROVED BY THE CITY PROJECT MANAGER. CINDER 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. D.P.M. 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 FVC, 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 LATCH 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 - XLDA1 LAPTOP COMPUTER FOR PROGRAMMING THE IRRINET CONTROLLERS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING THE CONTROLLERS.
21. CONTRACTOR SHALL VERIFY CONTROLLER TYPE WITH THE CITY PROJECT MANAGER.
- A CONTROLLER KEY PAD SHALL BE PROVIDED WITH EACH IRRINET CONTROLLER.
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 PM 510 DUG. 106-19-111.
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. WHERE ELECTRICAL WIRE EXCEEDS 300' LENGTH, CONTRACTOR SHALL INSTALL FULLBOXES AT MINIMUM 300' O.C. PER COA DRAWING 2521.
31. 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".
8. MINIMUM DISTANCE BETWEEN A PLANT AND A MANHOLE SHALL BE 8'-0".

VALVE SIZING CHART

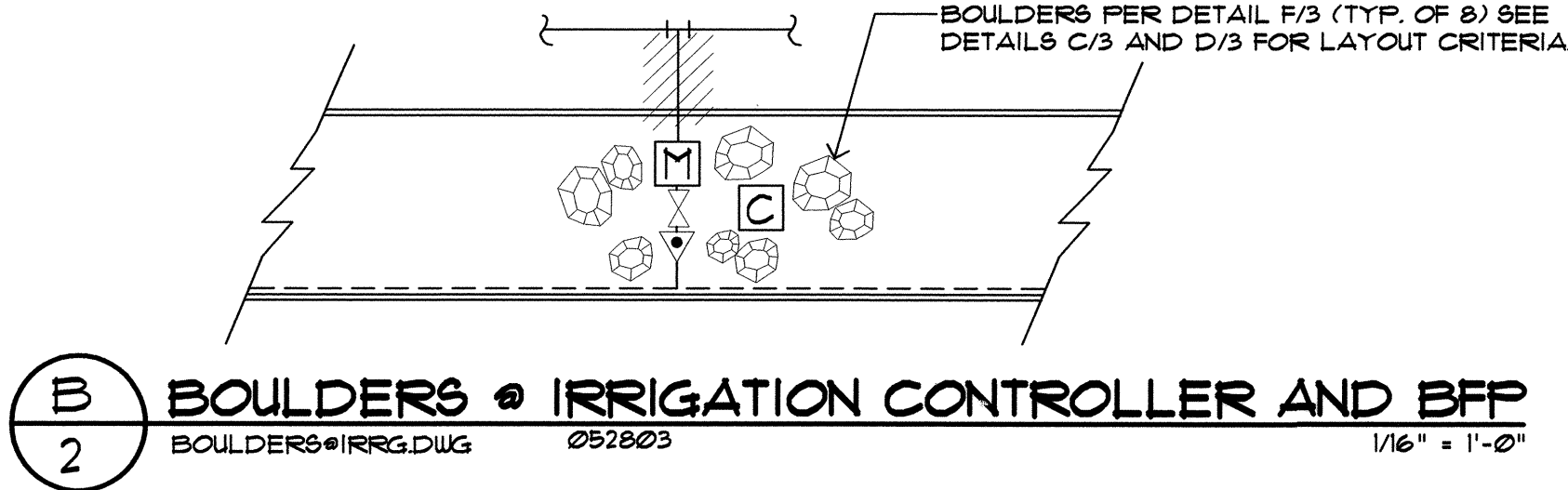
GPM	VALVE SIZE
16-30	1"
31-10	1 1/2"
11-100	2"
(MAXIMUM VALVE SIZE SHALL BE 2")	

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	91
B	8	45
C	20	142
D	9	62
E	19	134
F	23.6	205
G	21	14
H	12	63
I	-	-
J	42	23

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 AND REPLACEMENT OF DEAD MATERIAL, REMOVAL OF DEBRIS (INCLUDING REMOVAL OF GRAVEL MULCH THAT HAS BEEN DISPLACED FROM THE LANDSCAPE AREAS), RESETTING 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 TRESPASS, 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 1001524, SYSTEM MAINTENANCE AND WARRANTY, SHALL BE DELETED IN ITS ENTIRETY.

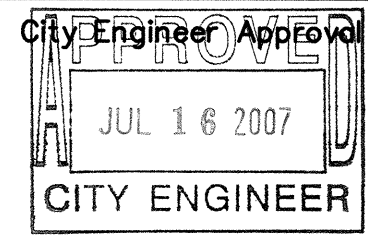
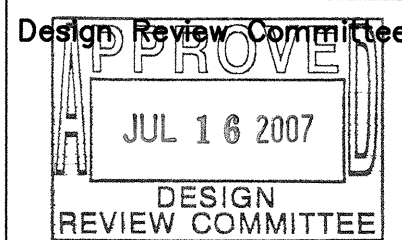
COA SPEC. SECTION 10056, MAINTENANCE AND PROTECTION: FIRST PARAGRAPH, SHALL BE DELETED IN ITS ENTIRETY.

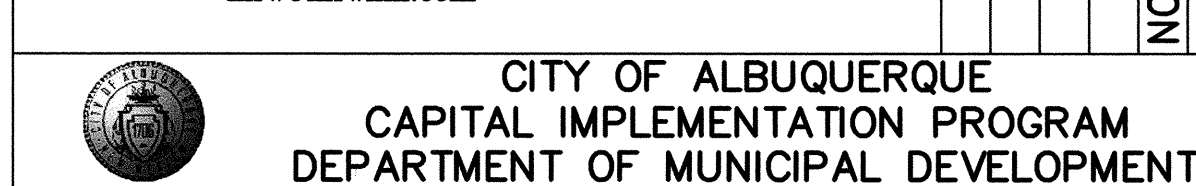
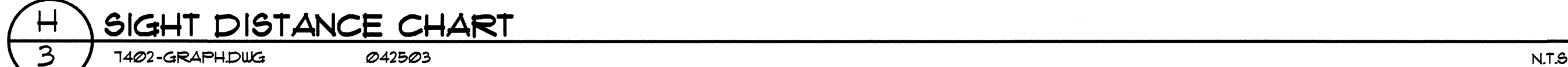
COA SPEC. SECTION 10056.2, WATER, SHALL BE DELETED IN ITS ENTIRETY.





CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A
NOTES AND DETAILS

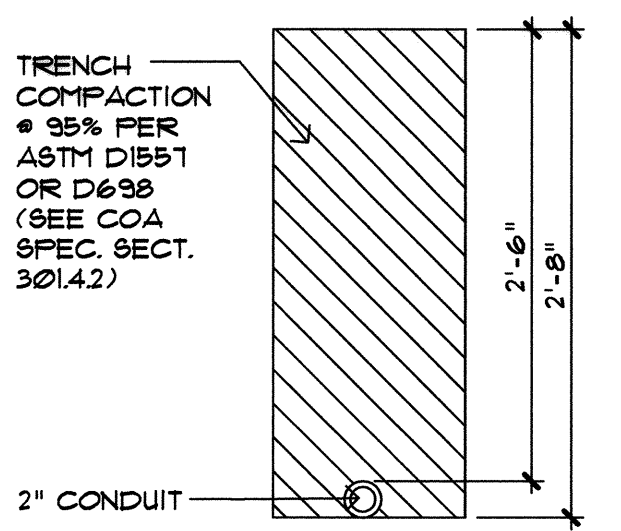
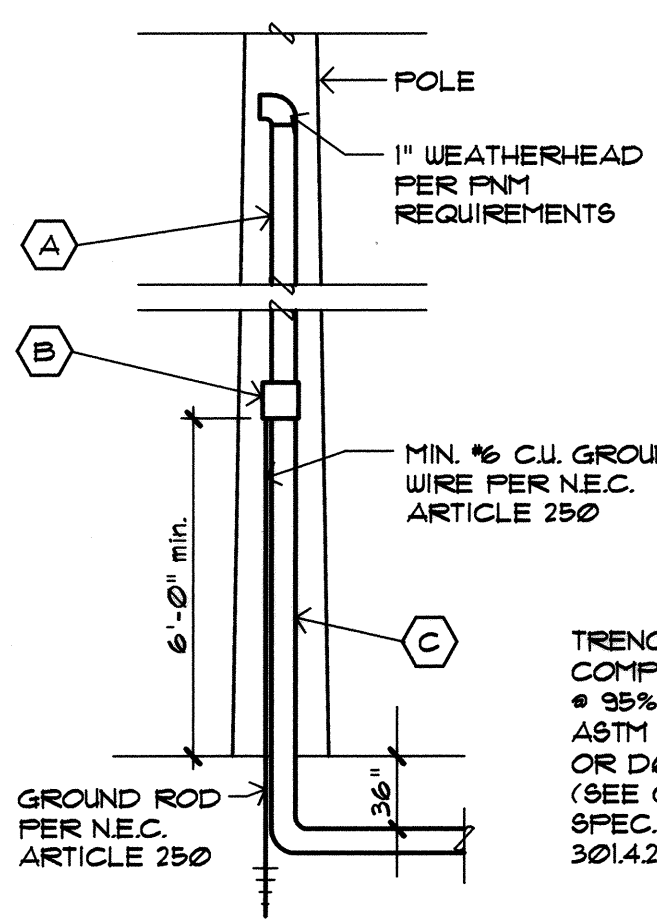




 <p>DESIGN REVIEW COMMITTEE</p>	 <p>CITY ENGINEER</p>	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 790300		Zone Map No.	Sheet 3 OF 25	

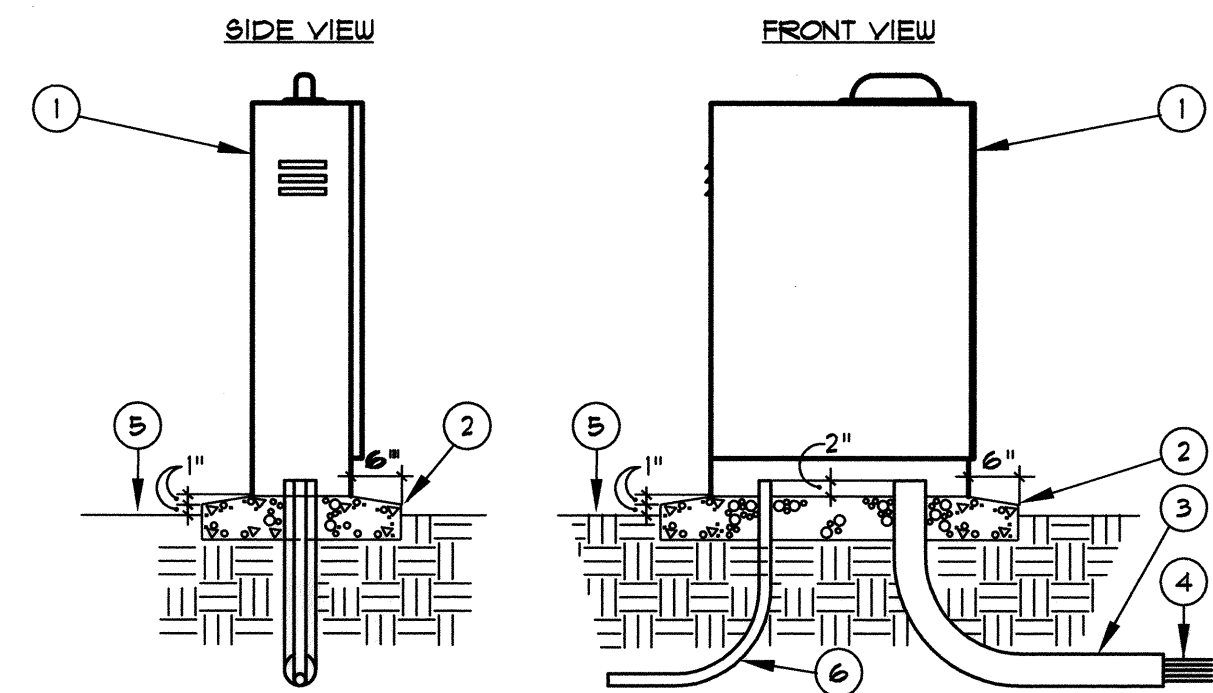
GENERAL NOTES:

- 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.



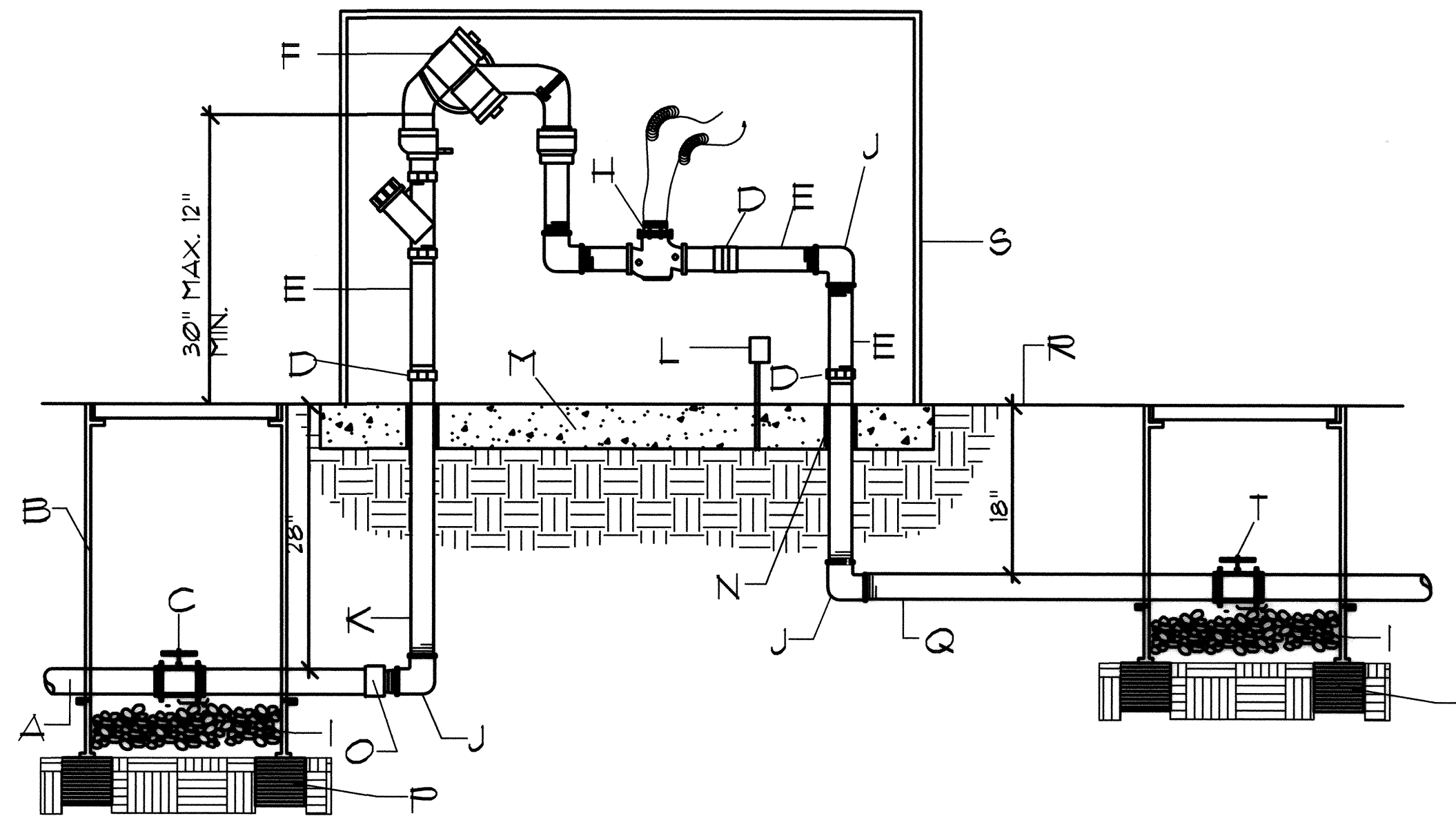
KEYED NOTES:

- A 1" RGS CONDUIT W/ 2" CU. 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" CU. USE CABLE FROM DISCONNECT SWITCH DOWN POLE THEN UNDERGROUND TO THE IRRIGATION SYSTEM CONTROL BOX.



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

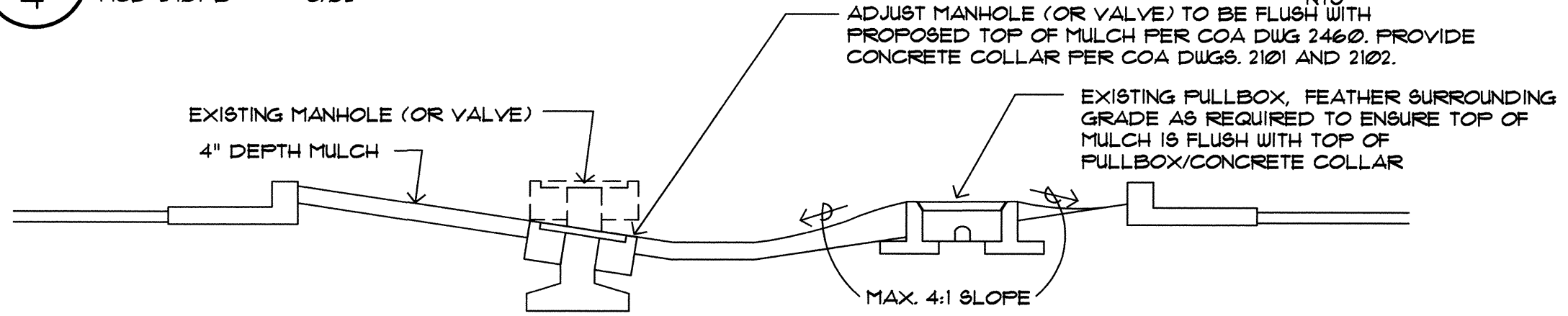
B IRRIGATION CONTROLLER AND PEDESTAL
MCD-0165 110295 N.T.S.



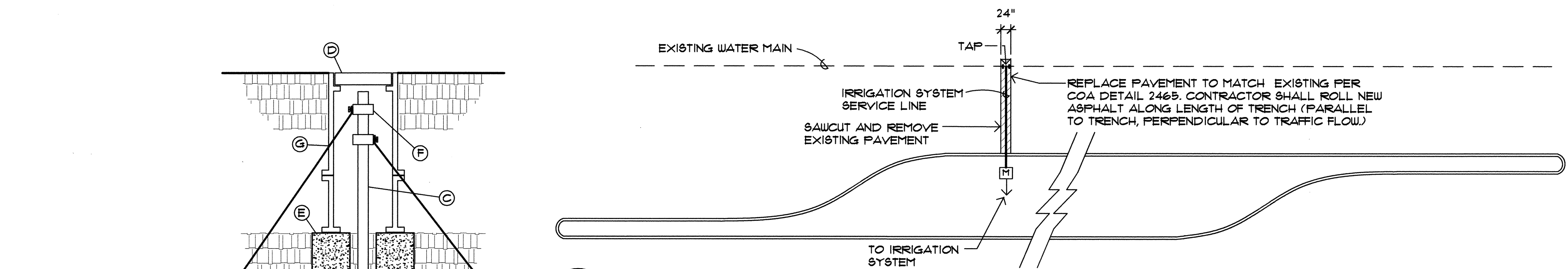
CONSTRUCTION NOTES:

- A. SERVICE LINE TO WATER METER
- B. BROOKS PRODUCTS INC., 1130 FB-18 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 825YA RFBP BACKFLOW PREVENTER
- 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, PLACE 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

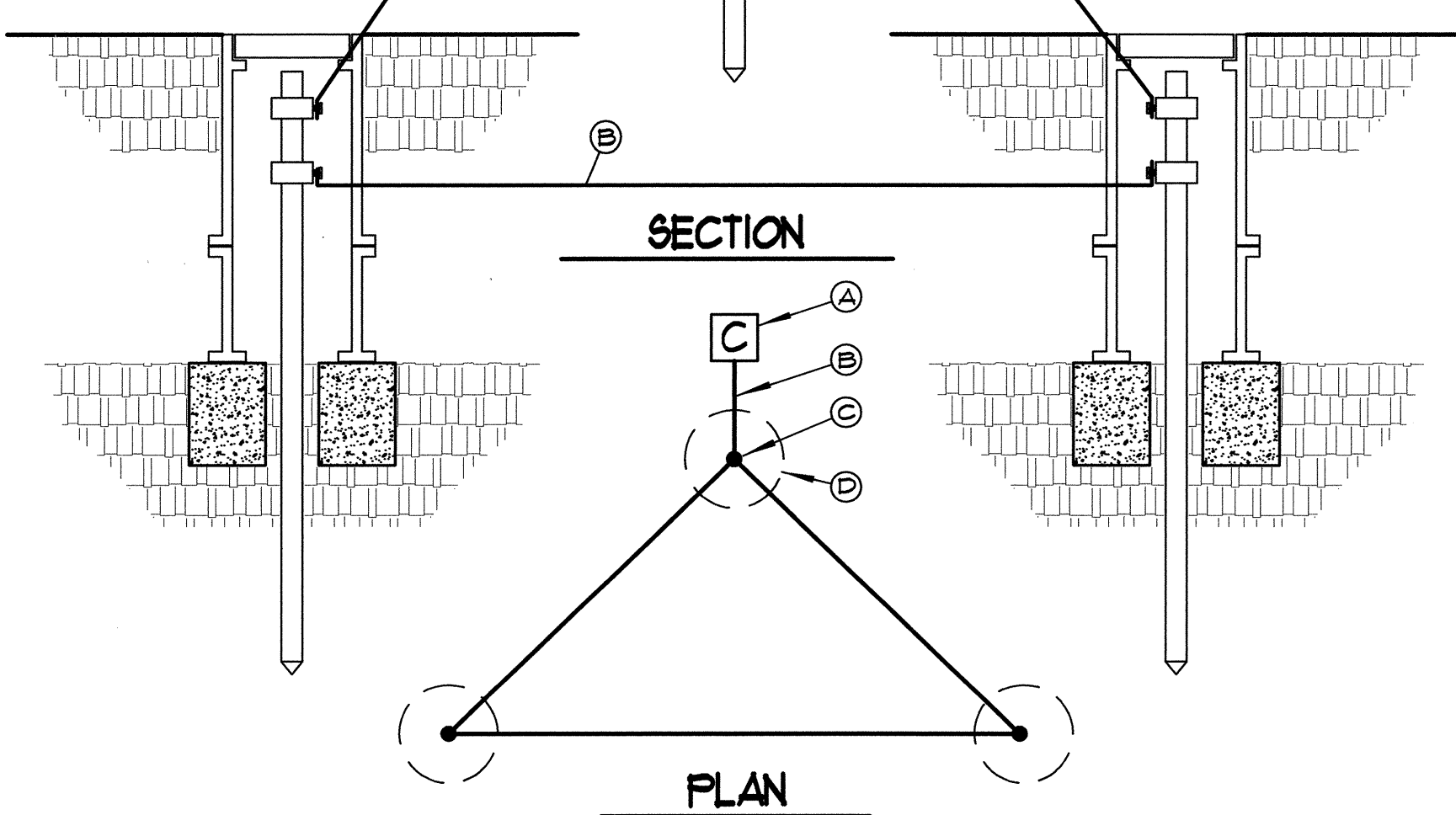
C RFBP WITH FLOW METER & SEPARATE MASTER VALVE
MCD-2101-B 8/02



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



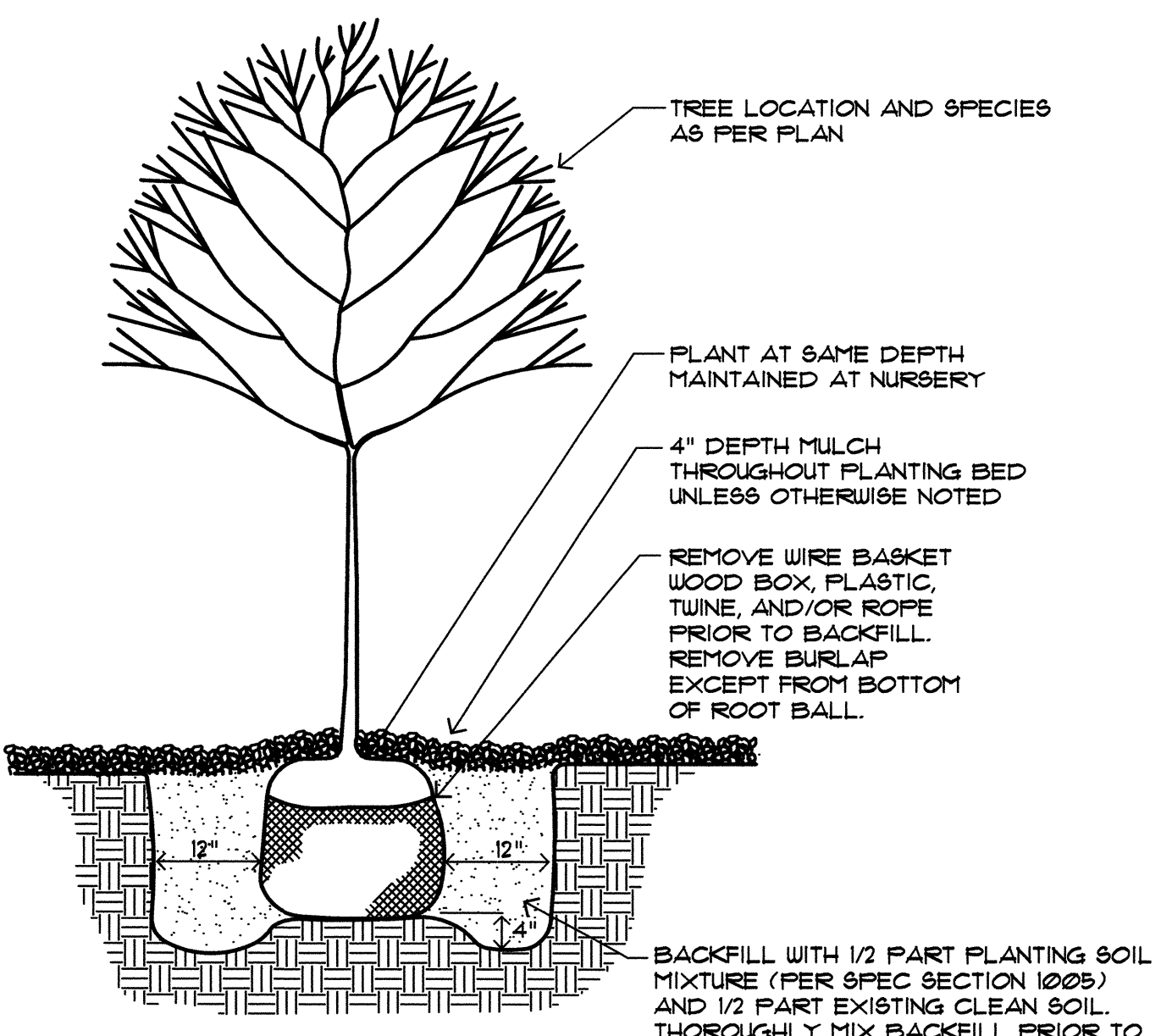
E PAVEMENT CUT @ IRRIGATION TAP
PAVEMENT CUT @ TAP.DWG 052803 1/16" = 1'-0"



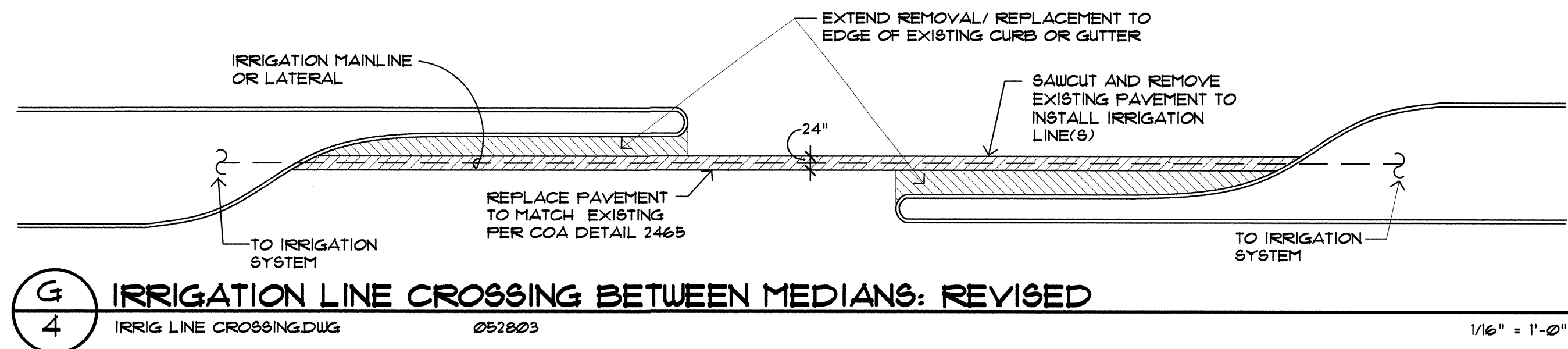
KEY (TYPICAL)

- A IRRIGATION CONTROLLER, SEE IRRIGATION LEGEND.
- B #10 AWG WIRE FROM IRRIGATION CONTROLLER TO GROUND ROD CLAMP. WIRE SHALL BE INSTALLED STRAIGHT AND TAUT.
- C 8' LENGTH GROUND ROD, PLACE IN IRRIGATED AREA A MINIMUM OF 16' FROM ONE ANOTHER W/ ONE ROD A MIN. 12' FROM CONTROLLER. (OPTION: REPLACE GROUNDING RODS W/ 1 EA. 1/8" x 12" x 18" COPPER BURIED @ 12" DEPTH. SOLDER #6 BARE COPPER WIRE TO PLATE.)
- D 1" DIAMETER x 9" DEEP BROOKS 100 SERIES VALVE BOX WITH COVER.
- E 8"x8"x16" SOLID CMU BLOCK.
- F GROUND ROD CLAMP.
- G DRILL A SMALL OPENING IN VALVE BOX TO MAINTAIN WIRE TAUTNESS.

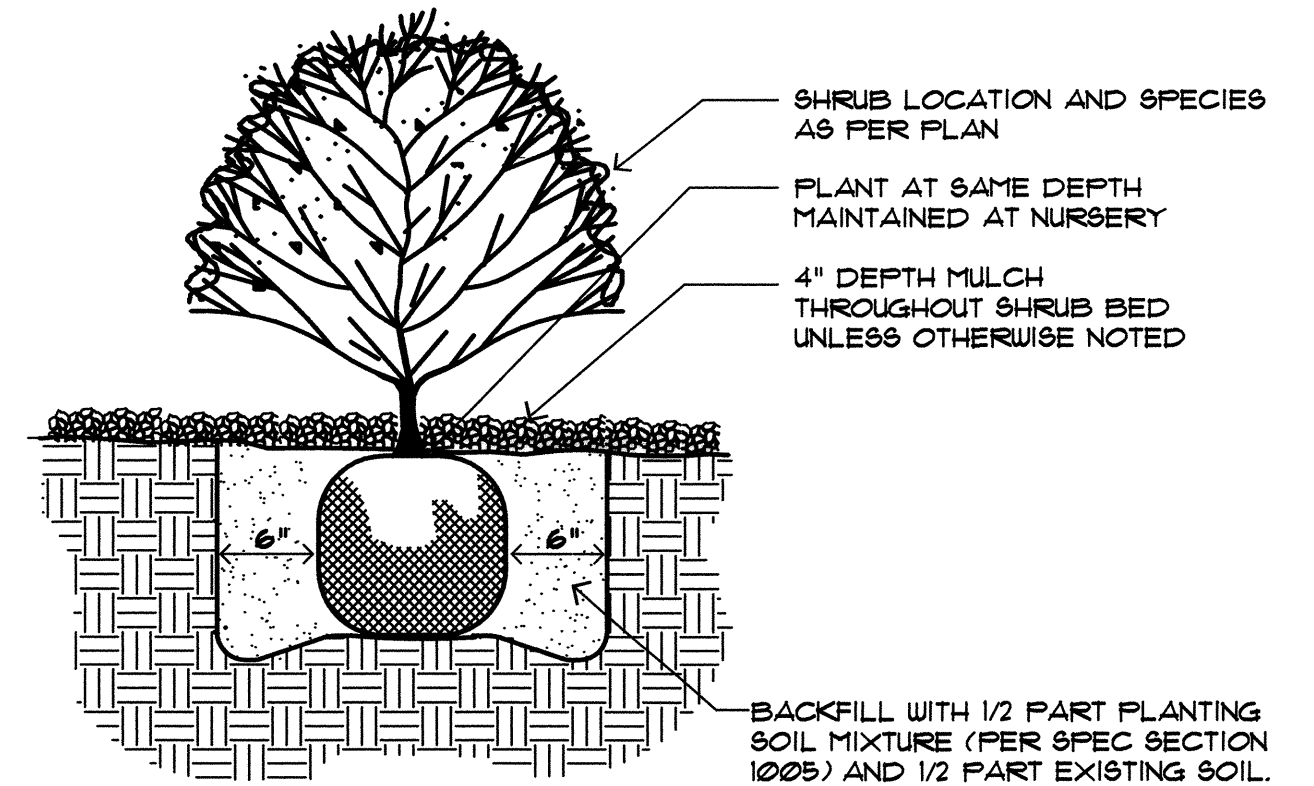
D CONTROLLER GROUNDING DETAIL
N.T.S.



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



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



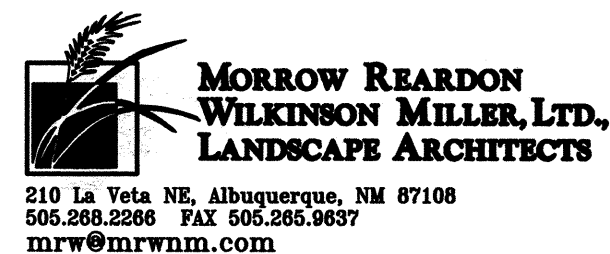
I SHRUB PLANTING DETAIL
MCD-0004 110795 N.T.S.



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A
STANDARD DETAILS

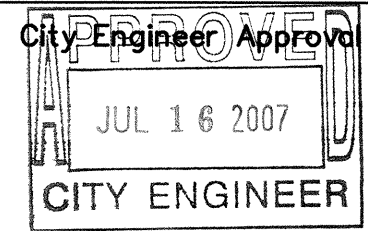
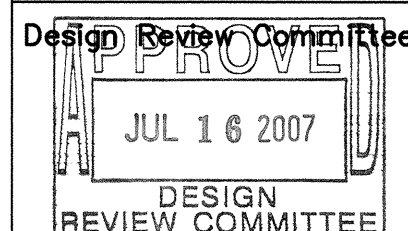
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
JUL 16 2007	JUL 16 2007		
DESIGN REVIEW COMMITTEE	CITY ENGINEER		

KEY	COMMON NAME	BOTANICAL NAME	INSTALLED	SIZE	MATURE	REMARKS	WATER USE
SHADE TREES							
APA	Autumn Purple Ash	<i>Fraxinus americana</i> 'Autumn Purple'	2" cal, 12' - 14' ht.		40" ht, 25' spd.	30" Box	M
AS	Arizona Sycamore	<i>Plantanus wrightii</i>	2" cal, 12' - 14' ht.		50" ht, 30' spd.	30" Box	M
CP	Chinese Pistache	<i>Pistacia chinensis</i>	2-1/2" cal, 13' - 15' ht.		40" ht, 25' spd.	30" Box	M
HL	Honey Locust	<i>Gleditsia triacanthos inermis</i> app.	2" cal, 12' - 14' ht.		50" ht, 25' spd.	30" Box	M
LB	Lacebark Elm	<i>Ulmus parvifolia</i>	2" cal, 12' - 14' ht.		30" ht, 25' spd.	30" Box	M
MA	<i>Fraxinus velutina</i> 'Modesto'	Modesto Ash	2" cal, 12' - 14' ht.		40" ht, 25' spd.	30" Box	M
RA	Raywood Ash	<i>Fraxinus oxycarpa</i> 'Raywood'	2" cal, 12' - 14' ht.		30" ht, 25' spd.	30" Box	M
WH	Western Hackberry	<i>Celtis occidentalis</i>	2" cal, 12' - 14' ht.		30" ht, 30' spd.	30" Box	M
EVERGREEN TREES							
AP	Austrian Pine	<i>Pinus nigra</i>	5' - 7' ht.		30" ht, 20' spd.	30" Box	M
LP	Limber Pine	<i>Pinus flexilis</i>	5' - 7' ht.		20" ht, 4' spd.	30" Box	M
SP	Scotch Pine	<i>Pinus sylvestris</i> 'Albyn'	5' - 7' ht.		50" ht, 30' spd.	30" Box	M
ACCENT TREES							
BC	Bechtel Crabapple	<i>Malus ioensis</i> 'Bechtel'	2" cal, 10'-12' ht.		25' ht, 20' spd.	30" Box	M
DW	Desert Willow	<i>Chilopsis linearis</i>	8' - 10' ht.		25' ht, 20' spd.	30" Box, Multi-Trunk	M
GO	Gambel Oak	<i>Quercus gambellii</i>	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	<i>Pyrus calleryana</i> app.	2" cal, 10'-12' ht.		25' ht, 20' spd.	30" Box	M
SH	Sunburst Honey Locust	<i>Gleditsia triacanthos inermis</i> 'Sunburst'	2" cal, 10'-12' ht.		25' ht, 20' spd.	30" Box	M
SO	Shumard Oak	<i>Quercus shumardii</i>	2" cal, 12' - 14' ht.		30" ht, 25' spd.	30" Box	L
ST	Smoke Tree	<i>Cotinus coggygria</i>	6'-8' ht.		20" ht, 4' spd.	24" Box	M
TH	Washington Hawthorn	<i>Crataegus phaenopyrum</i>	2" cal, 10'-12' ht.		20" ht, 20' spd.	30" Box	M
VERTICAL SHRUBS							
BB	Butterfly Bush	<i>Buddleia davidii</i> nanhoensis	Min. 18" ht.		6' ht, 4' spd.	5-Gal.	M
FB	Fern Bush	<i>Chamaebatia linearis</i>	Min. 18" ht.		6' ht, 4' spd.	5-Gal.	L
GC	Golden Currant	<i>Ribes aureum</i>	Min. 18" ht.		5' ht, 4' spd.	5-Gal.	M
MM	Mountain Mahogany	<i>Cercocarpus montanus</i>	Min. 18" ht.		10' ht, 4' spd.	5-Gal.	M
LLS	Littleleaf Sumac	<i>Rhus microphylla</i>	Min. 12" ht.		8' ht, 4' spd.	5-Gal.	L
NMO	New Mexico Olive	<i>Forestiera neomexicana</i>	5' - 7' ht.		15' ht, 10' spd.	15-Gal.	M
SB	Spanish Broom	<i>Spartium junceum</i>	Min. 18" ht.		8' ht, 6' spd.	5-Gal.	L
VI	Vitex	<i>Vitex agnus-castus</i>	5' - 7' ht.		15' ht, 15' spd.	15-Gal.	L
LARGE SHRUBS/ORNAMENTAL GRASSES							
AFL	Apache Plume	<i>Fallugia paradoxa</i>	Min. 18" ht.		5' ht, 4' spd.	5-Gal.	L
AR	Arp Rosemary	<i>Rosmarinus officinalis</i> 'Arp'	Min. 18" ht.		4' ht, 3' spd.	5-Gal.	M
BG	Bear Grass	<i>Nolina texana</i>	Min. 18" ht.		3' ht, 4' spd.	5-Gal.	L
BM	Blue Mist	<i>Caryopteris x clandonensis</i>	Min. 18" ht.		4' ht, 4' spd.	5-Gal.	M
MG	Maiden Grass	<i>Miscanthus sinensis</i> 'Gracillimus'	Min. 18" spd.		6' ht, 3' spd.	5-Gal.	M
LB	Lena's Broom	<i>Cytisus scoparius</i> x <i>dallimorei</i> 'Lena'	Min. 12" spd.		4' ht, 4' spd.	5-Gal.	M
R	Rubber Rabbitbrush	<i>Chrysothamnus nauseosus</i>	Min. 18" ht.		6' ht, 4' spd.	5-Gal.	L
RS	Russian Sage	<i>Perovskia atriplicifolia</i>	Min. 18" ht.		3' ht, 4' spd.	5-Gal.	L
RY	Red Yucca	<i>Hesperaloe parviflora</i>	Min. 18" ht.		4' ht, 4' spd.	5-Gal.	L
S	Sotol	<i>Dasylirion wheeleri</i>	Min. 18" ht.		4' ht, 4' spd.	5-Gal.	L
SG	Switchgrass	<i>Panicum virgatum</i>	Min. 12" ht.		4' ht, 3' spd.	5-Gal.	M
TLG	Three-leaf Sumac	<i>Rhus trilobata</i>	Min. 18" ht.		5' ht, 4' spd.	5-Gal.	L
SMALL SHRUBS/ORNAMENTAL GRASSES							
BA	Blue Avena	<i>Helictotrichon sempervirens</i>	Min. 8" ht.		2' ht, 4' spd.	1-Gal.	M
DRS	Dwarf Russian Sage	<i>Perovskia atriplicifolia</i> 'Little Spires'	Min. 6" ht.		3' ht, 4' spd.	5-Gal.	L
CS	Cherry Sage	<i>Salvia greggii</i>	Min. 12" spd.				

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A MASTER PLANT LIST



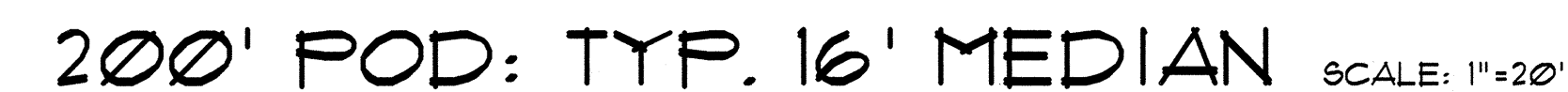
Test Design Update

City Project No. 790300

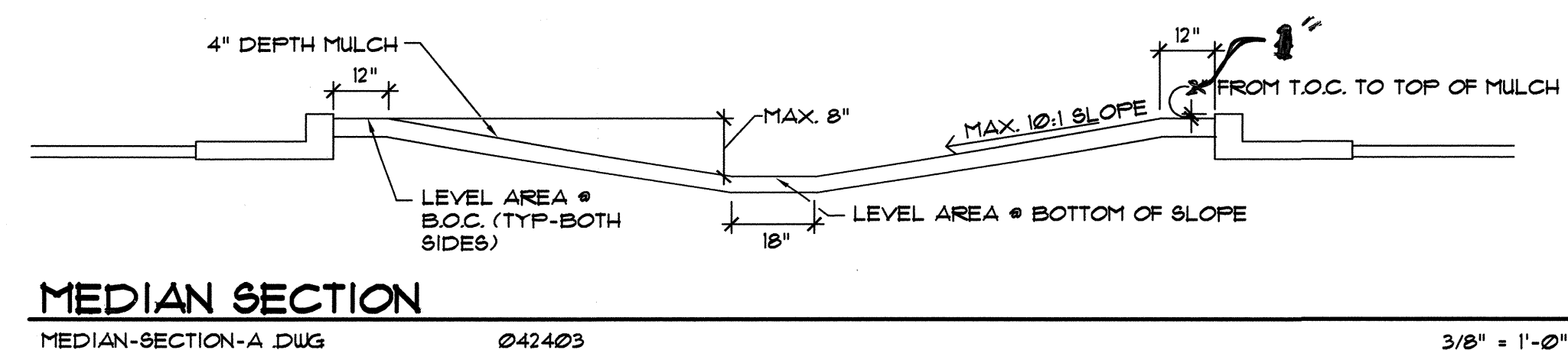
Zone Map No.

Sheet

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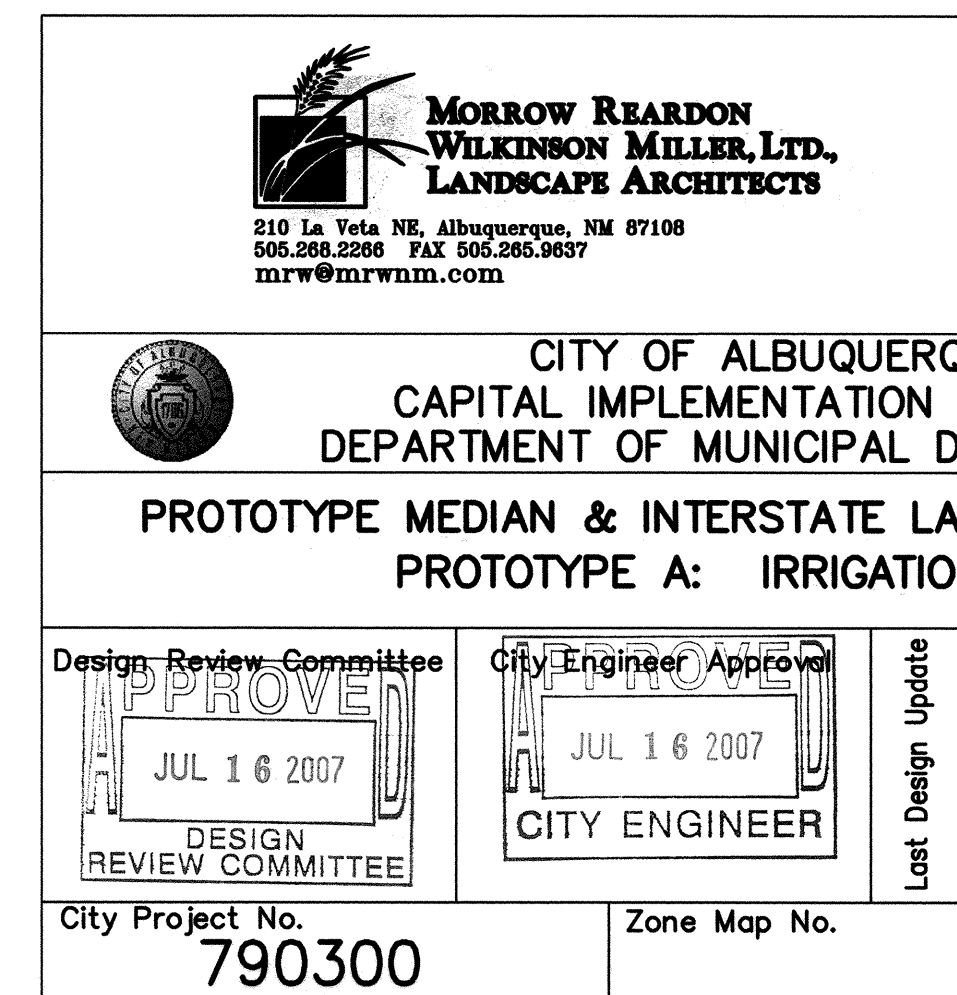
*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.



 <p>MORROW REARDON WILKINSON MILLER, LTD., LANDSCAPE ARCHITECTS</p> <p>210 La Veta NE, Albuquerque, NM 87108 505.268.2266 FAX 505.285.9637 mlw@mlwmlw.com</p>								
							NO. DATE	WILSON & COMPANY DESIGNED BY ECR DRAWN BY ECR CHECKED BY ECR
 <p align="center">CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPMENT</p>								
<p align="center">PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A PROTOTYPE A: PLANTING PLAN</p>								
Design Review Committee 		City Engineer Approval 		Last Design Update	Mo./Day/Yr. 		Mo./Day/Yr. 	
City Project No. 790300		Zone Map No.			Sheet 		6 OF 25	

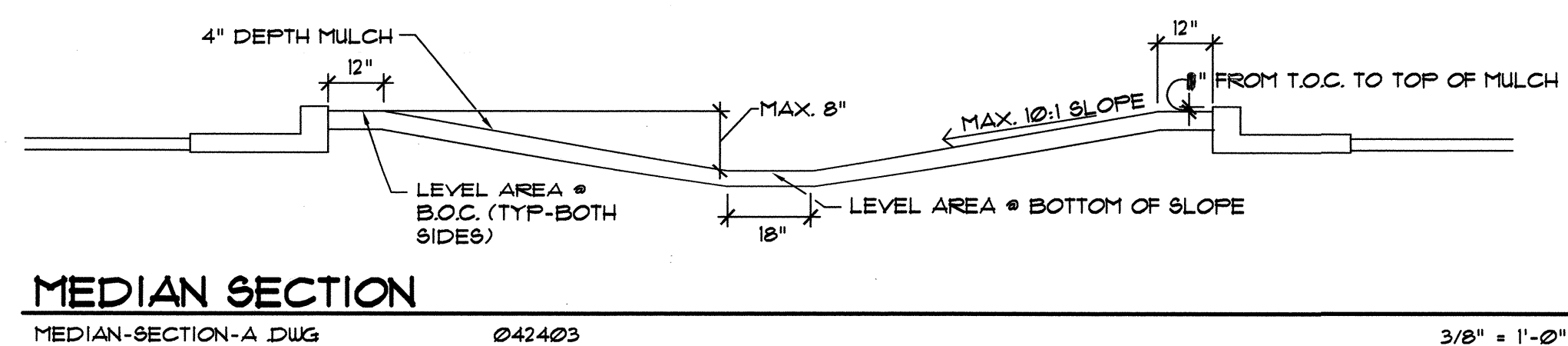


1. SEE SHEET 2 FOR GENERAL IRRIGATION NOTES.
2. CONTRACTOR SHALL SIZE THE IRRIGATION COMPONENTS IN ACCORDANCE WITH THE IRRIGATION SIZING CRITERIA, SHEET 2.
3. BUBBLERS ARE SHOWN DIRECTLY ON TOP OF SHRUBS FOR CLARITY OF DESIGN ONLY. BUBBLERS SHALL BE LOCATED 12" FROM THE SHRUB ROOT BALL.
4. UNIT PRICE 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.

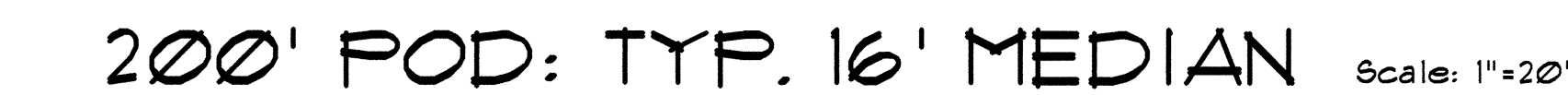




*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.

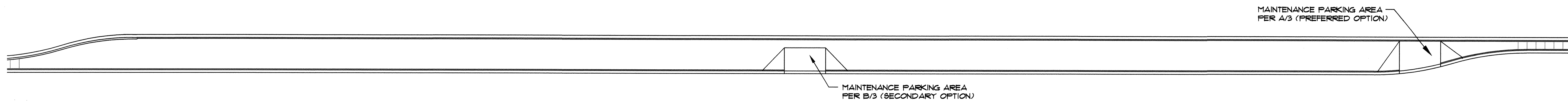


SHEET NO. _____ PROJECT NO. _____ DATE _____		PROJECT NAME _____ PROJECT LOCATION _____ PROJECT DESCRIPTION _____		PROJECT OWNER _____ PROJECT MANAGER _____ PROJECT ENGINEER _____		PROJECT ARCHITECT _____ PROJECT LANDSCAPE ARCHITECT _____ PROJECT CIVIL ENGINEER _____		PROJECT ELECTRICAL ENGINEER _____ PROJECT MECHANICAL ENGINEER _____ PROJECT PLUMBING ENGINEER _____		PROJECT SANITARY ENGINEER _____ PROJECT STRUCTURAL ENGINEER _____ PROJECT TRAFFIC ENGINEER _____		PROJECT ENVIRONMENTAL ENGINEER _____ PROJECT HISTORIC PRESERVATION _____ PROJECT ARCHITECTURAL SEAL _____		PROJECT SURVEY INFORMATION FIELD NOTES NO. _____ BY _____ DATE _____		PROJECT BENCH MARKS CONTRACTOR _____ INSPECTED BY _____ DATE _____ FIELD LANCE BY _____ DATE _____ VERIFICATION BY _____ DATE _____ CORRECTIONS _____ MICRO-FILM INFORMATION RECORDED BY _____ DATE _____ NO. _____		PROJECT AS-BUILT INFORMATION CONTRACTOR _____ INSPECTED BY _____ DATE _____ FIELD LANCE BY _____ DATE _____ VERIFICATION BY _____ DATE _____ CORRECTIONS _____ MICRO-FILM INFORMATION RECORDED BY _____ DATE _____ NO. _____	
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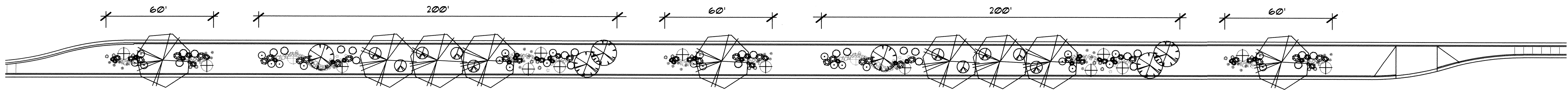


Sheet 9 OF 25

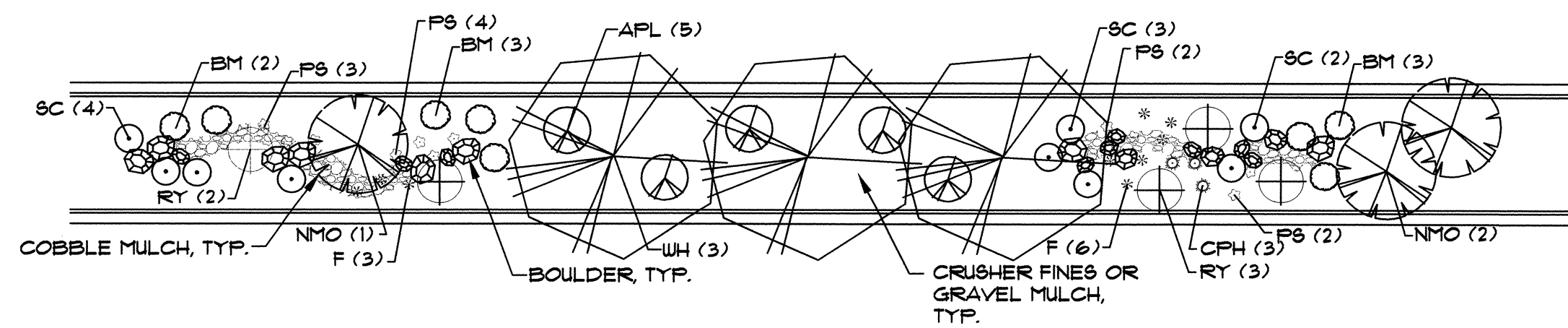
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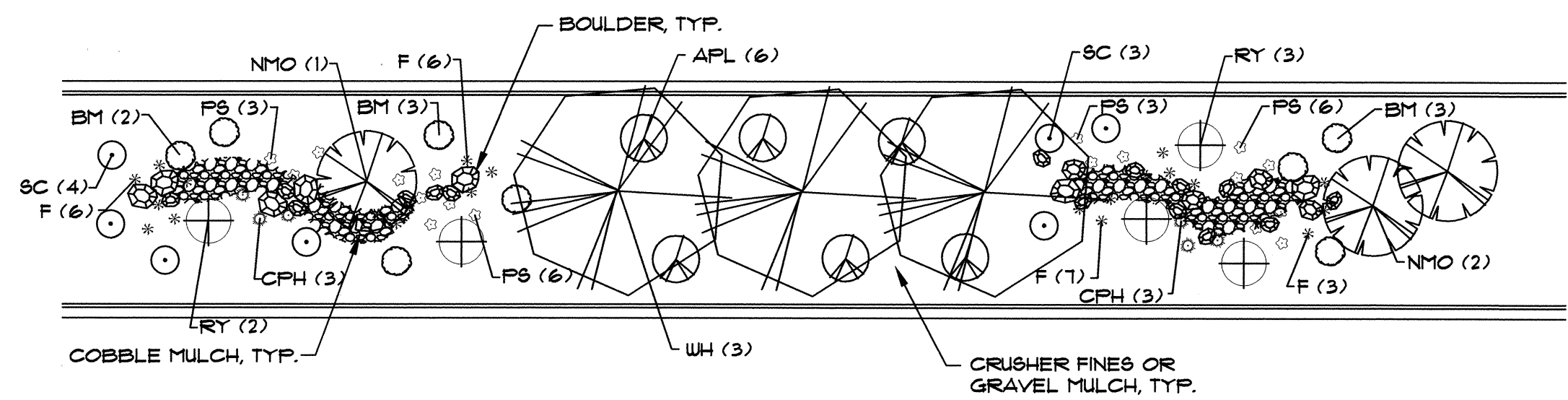
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' WIDE MEDIAN Scale: 1"=30'



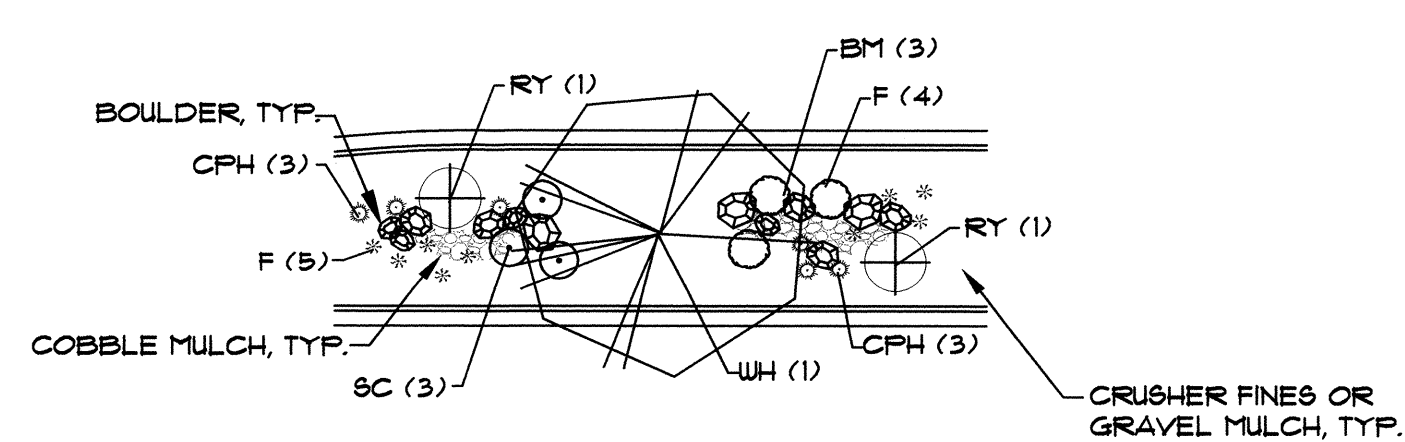
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) Scale: 1"=30'



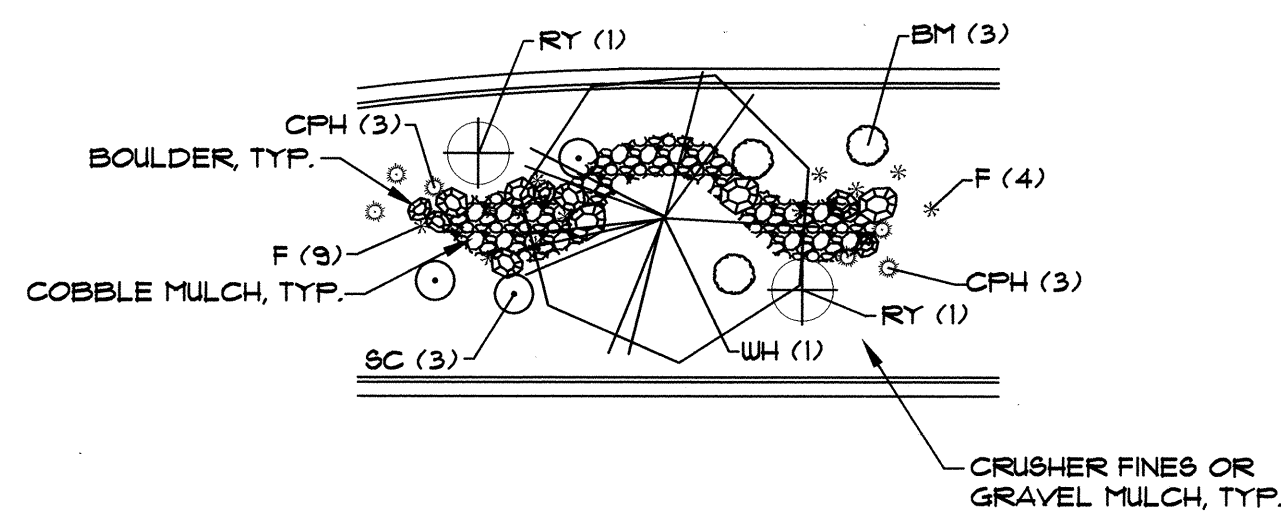
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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



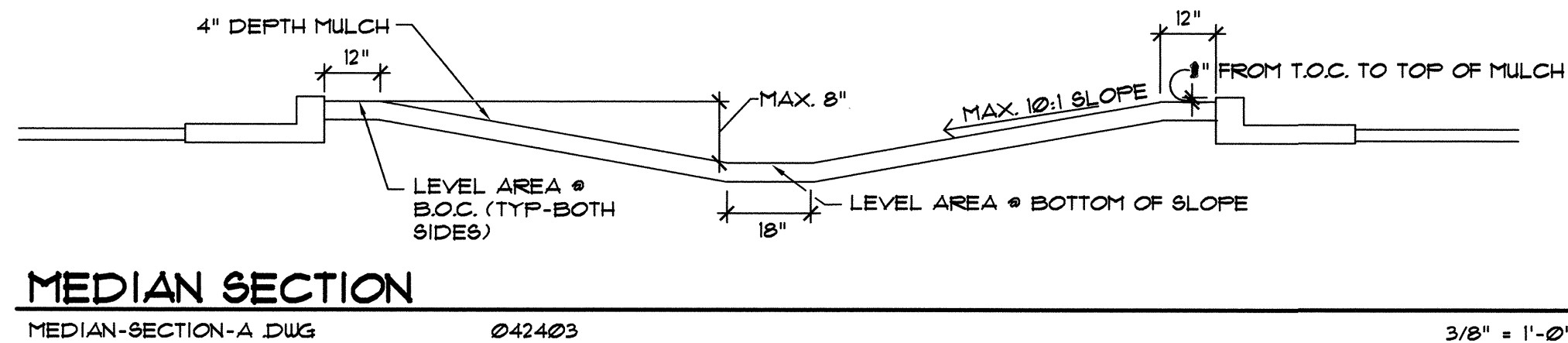
60' POD: TYP. 16' MEDIAN Scale: 1"=20'



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	ALTERNATIVE SPECIES WIDE MEDIANS ONLY*	QTY. (200' POD)	QTY. (50' POD)	QTY. (WIDE 200' POD)
SHADE TREES						
WH	Western Hackberry	Chinese Pistache Honey Locust		3	1	3
VERTICAL SHRUBS						
NMO	New Mexico Olive	Vitex Golden Currant	Austrian Pine Limber Pine	3	0	3
LARGE SHRUBS						
BM	Blue Mist	Lena's Broom Maiden Grass		8	3	8
RY	Red Yucca	Beargrass Sotol		5	2	5
APL	Apache Plume	Rubber Rabbitbrush Threelobed Sumac		5	0	6
SMALL SHRUBS						
F	Feather Grass	Foerster's Grass Regal Mist		9	9	22
SC	Shrubby Cinquefoil	Cherry Sage Gro-Low Sumac		9	3	7
GROUNDCOVERS/PERENNIALS						
PS	Prairie Sage	Blue Fescue Bowles Mauve		11	0	18
CPH	Creeping Phlox	Autumn Joy Sedum Yarrow		3	6	6

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



MEDIAN SECTION

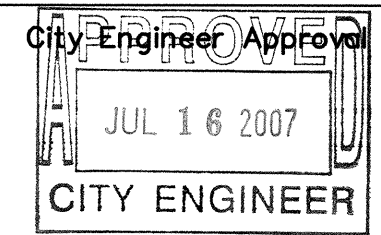
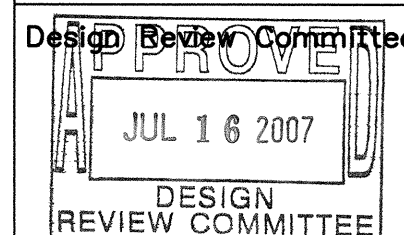
MEDIAN-SECTION-A DWG 042403

3/8" = 1'-0"



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT

PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A
PROTOTYPE C: PLANTING PLAN



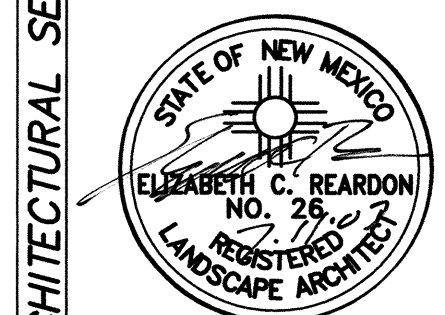
Last Design Update

City Project No.
790300

Zone Map No.

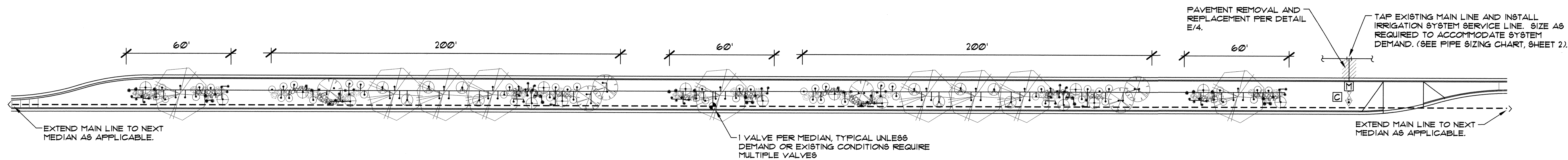
Sheet

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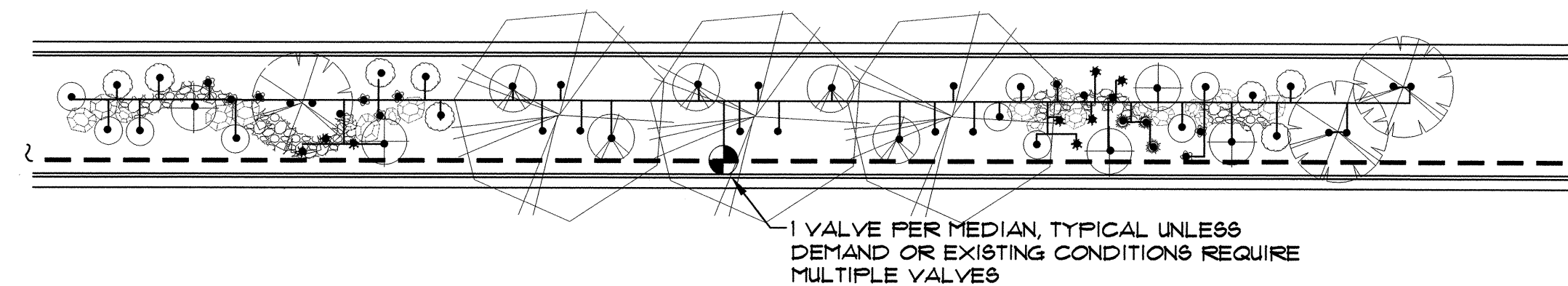


NO.	DATE	REVISIONS	BY
1		DESIGNED BY	WILSON & COMPANY, ENGINEERS & ARCHITECTS
2		DRAWN BY	ECR/MAK
3		CHECKED BY	ECR

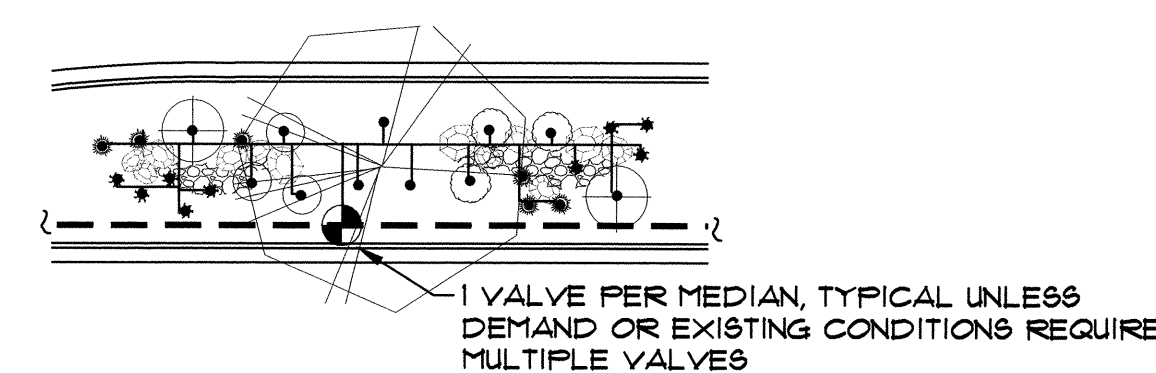
AS-BUILT INFORMATION	CONTRACTOR	DATE
SURVEY INFORMATION	INSPECTOR'S NAME	DATE
BENCH MARKS	FIELD VERIFICATION BY	DATE
ARCHITECTURAL SEAL	DESIGNED BY	DATE
	DRAWN BY	DATE
	CHECKED BY	DATE
	RECORDED BY	DATE
	NO.	



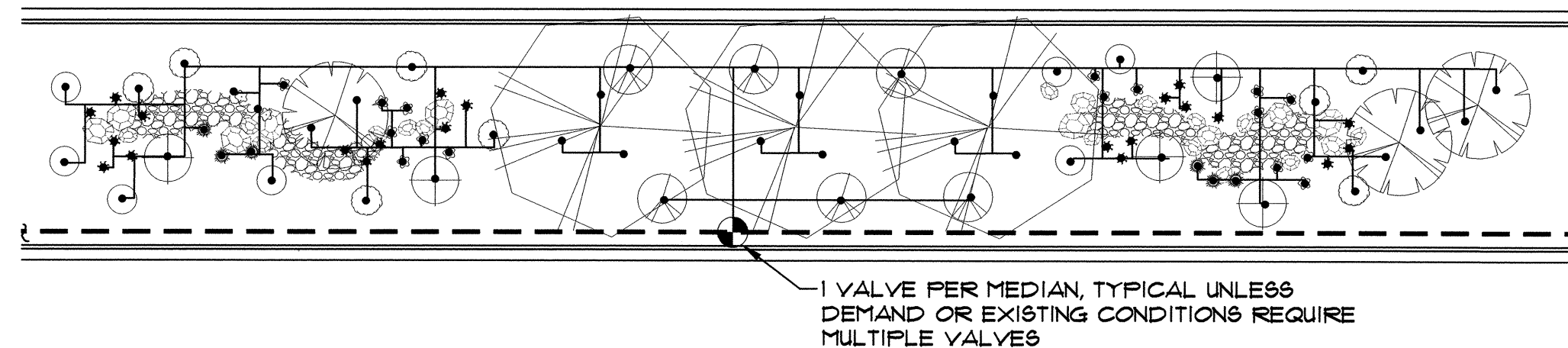
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



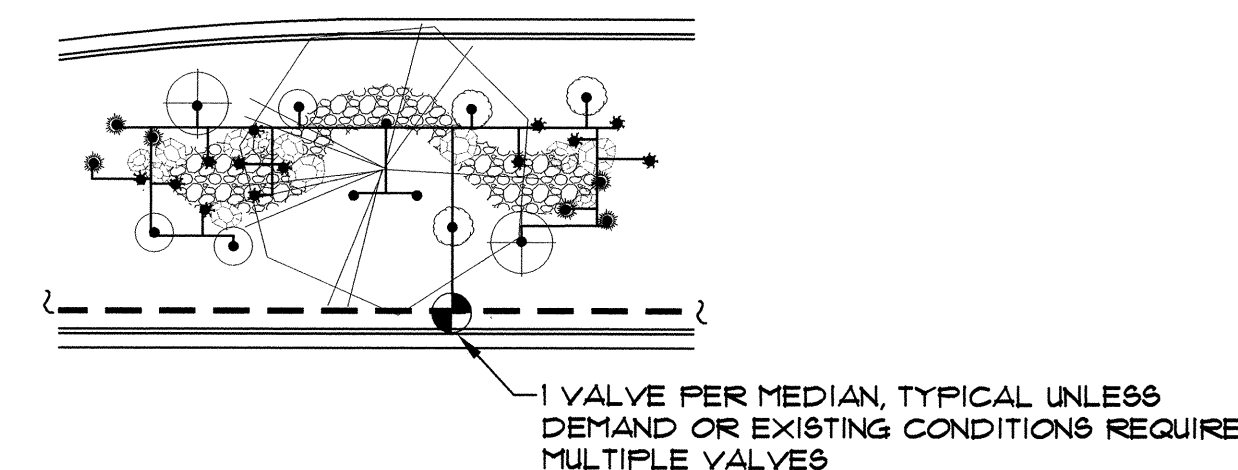
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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. 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 #25 AND #26, 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 C GPM

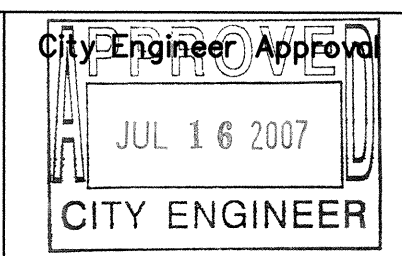
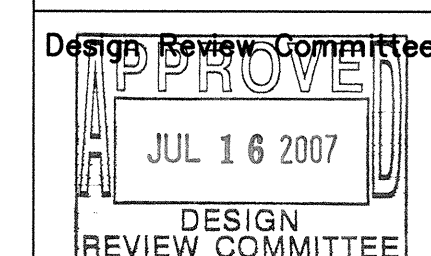
STANDARD 200' POD:	19
STANDARD 50' POD:	7
WIDE MEDIAN 200' POD:	26
WIDE MEDIAN 50' POD:	8

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-07A
PROTOTYPE C: IRRIGATION PLAN



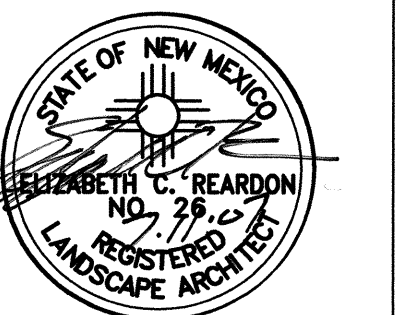
Mo./Day/Yr.	Mo./Day/Yr.

City Project No.
790300

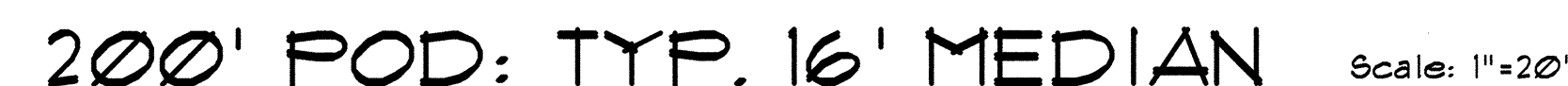
Zone Map No.

Sheet
11 OF 25

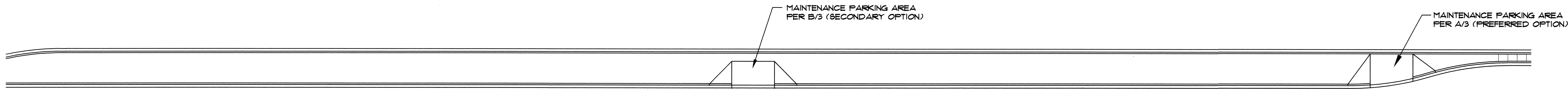
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORKED BY											
INSPECTED BY											
ACCEPTANCE BY											
VERIFICATION BY											
DRAWN BY											
DATE											
MICRO-FILM INFORMATION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



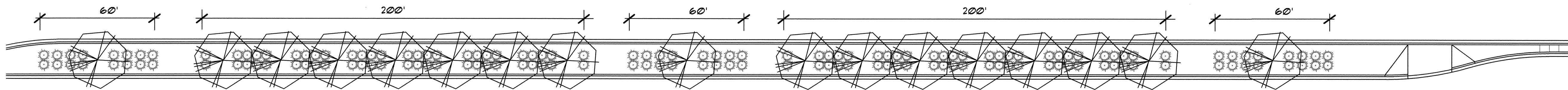
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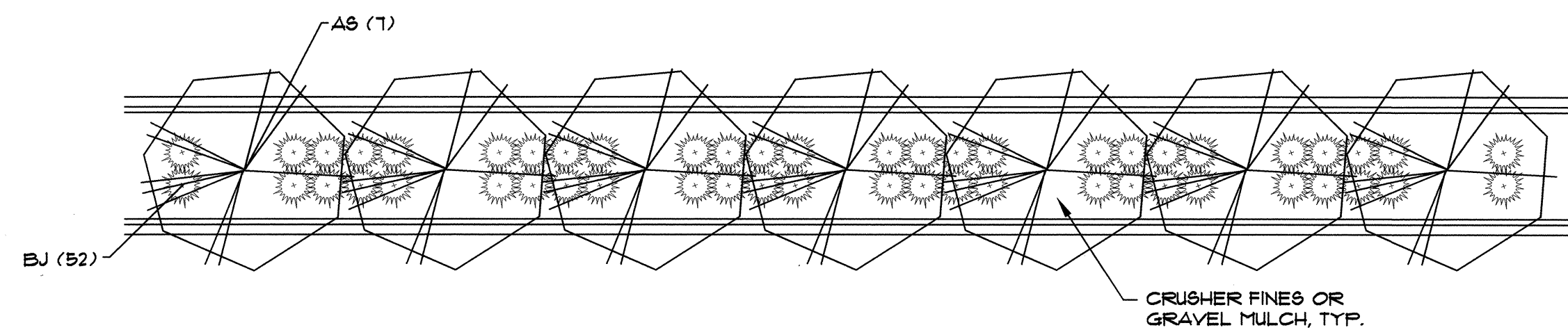
Sheet 13 OF 25



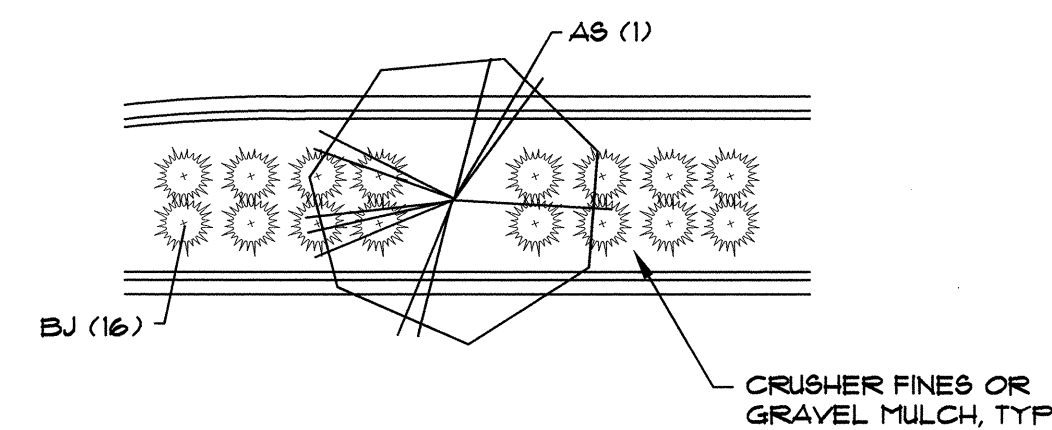
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' WIDE MEDIAN Scale: 1"=30'



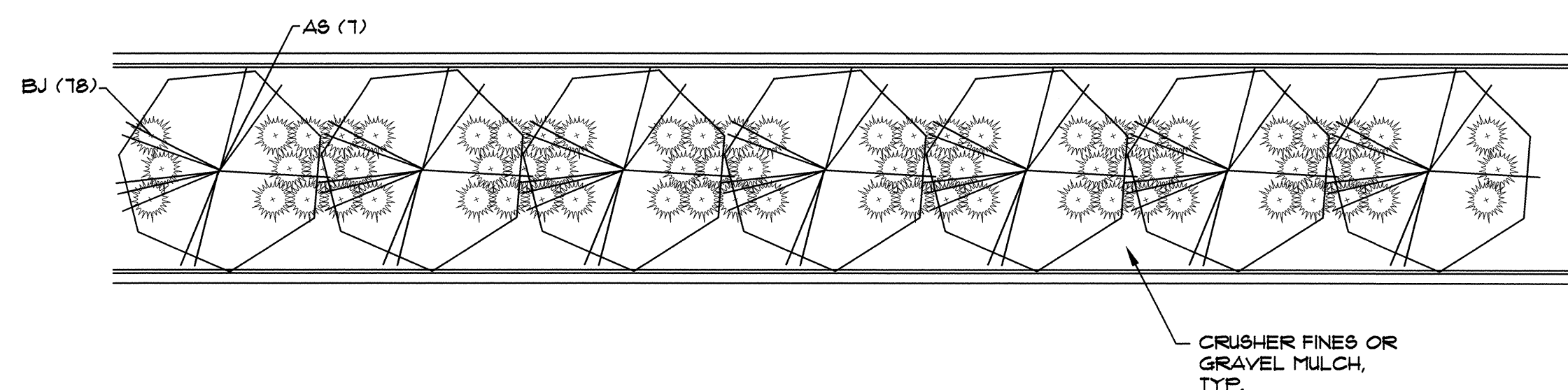
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) Scale: 1"=30'



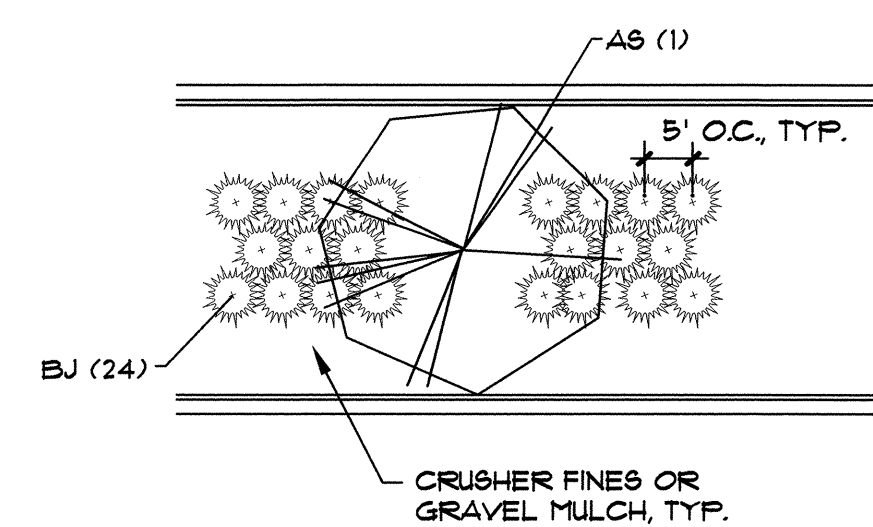
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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



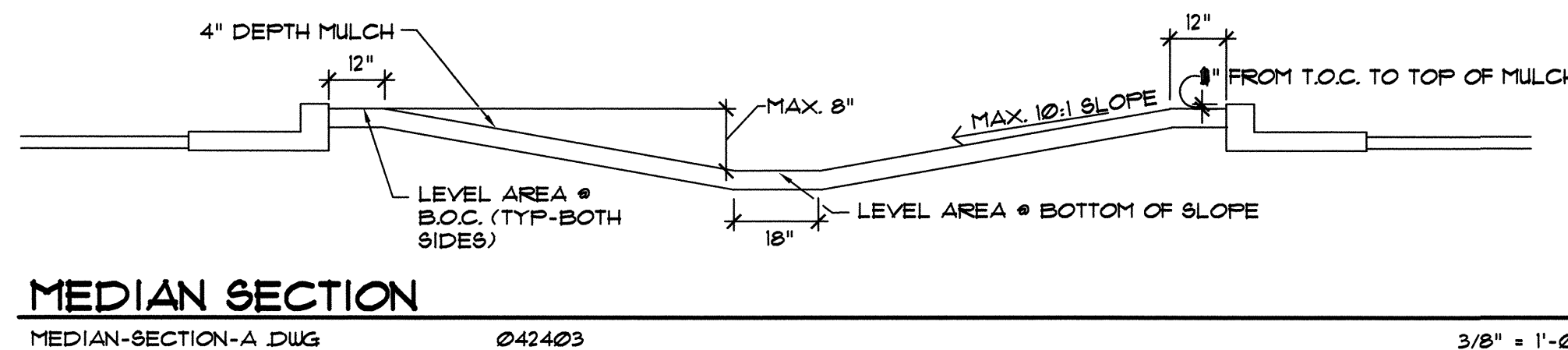
200' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'



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)
AS	Arizona Sycamore	Autumn Purple Ash Honey Locust Lacebark Elm	1	1	1	1
GROUNDCOVERS						
BJ	Buffalo Juniper	Arcadia Juniper Scandia Juniper	52	16	78	24



MEDIAN SECTION

MEDIAN-SECTION-A DWG

042403

3/8" = 1'-0"

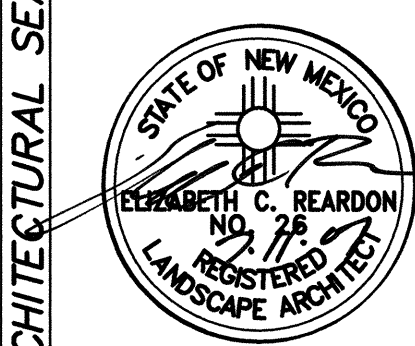


CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A
PROTOTYPE E: PLANTING PLAN

Design Review Committee
APPROVE
JUL 16 2007
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVE
JUL 16 2007
CITY ENGINEER

Mo./Day/Yr. Mo./Day/Yr.
Last Design Update
City Project No. 790300
Zone Map No.
Sheet 14 OF 25



REVISIONS	NO.	DATE	BY
WILSON & COMPANY, ENGINEERS & ARCHITECTS			
DESIGNED BY ECR/MAK		JULY 2007	
DRAWN BY EAC/MAK		JULY 2007	
CHECKED BY ECR		JULY 2007	

SURVEY INFORMATION	FIELD NOTES	DATE
NO.	BY	

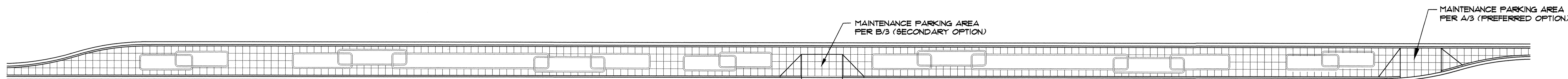
BENCH MARKS	CONTRACTOR	DATE

AS-BUILT INFORMATION	CONTRACTOR	DATE

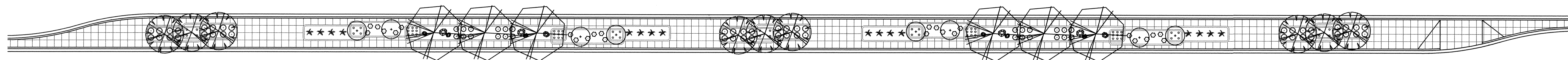


Sheet 15 OF 25

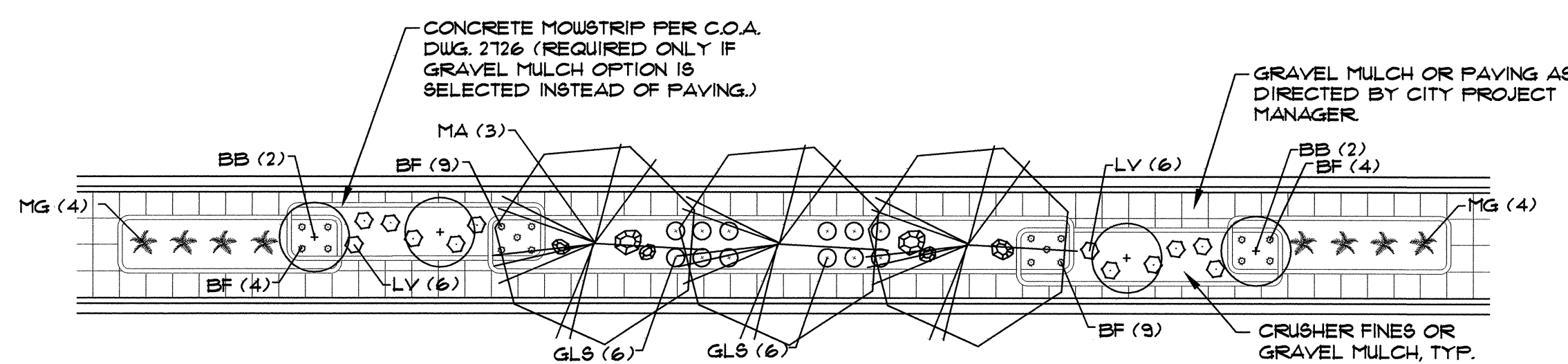
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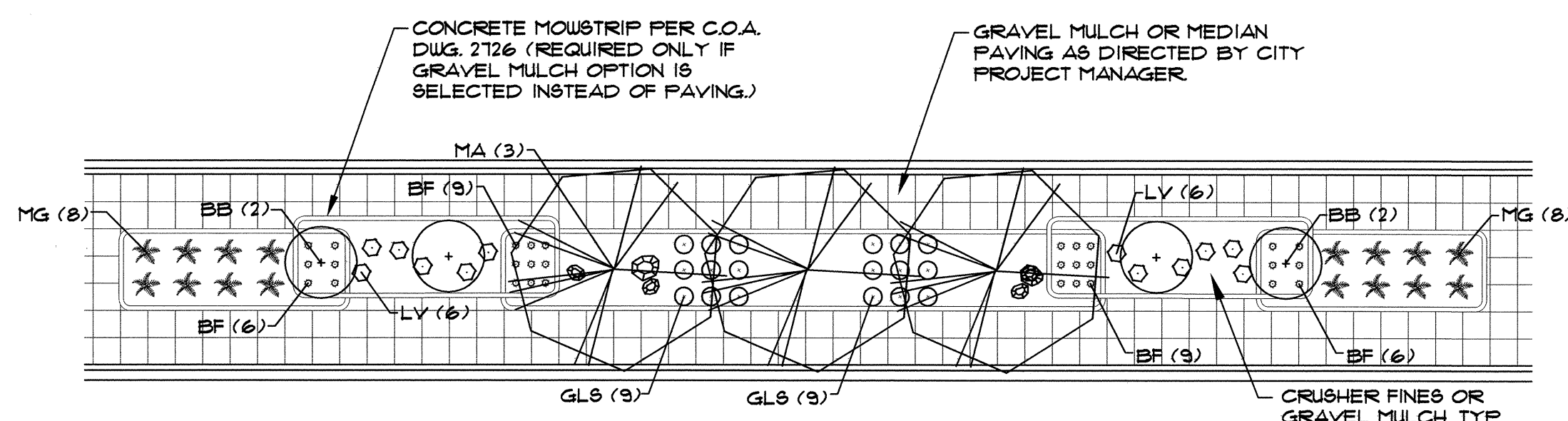
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' WIDE MEDIAN Scale: 1"=30'



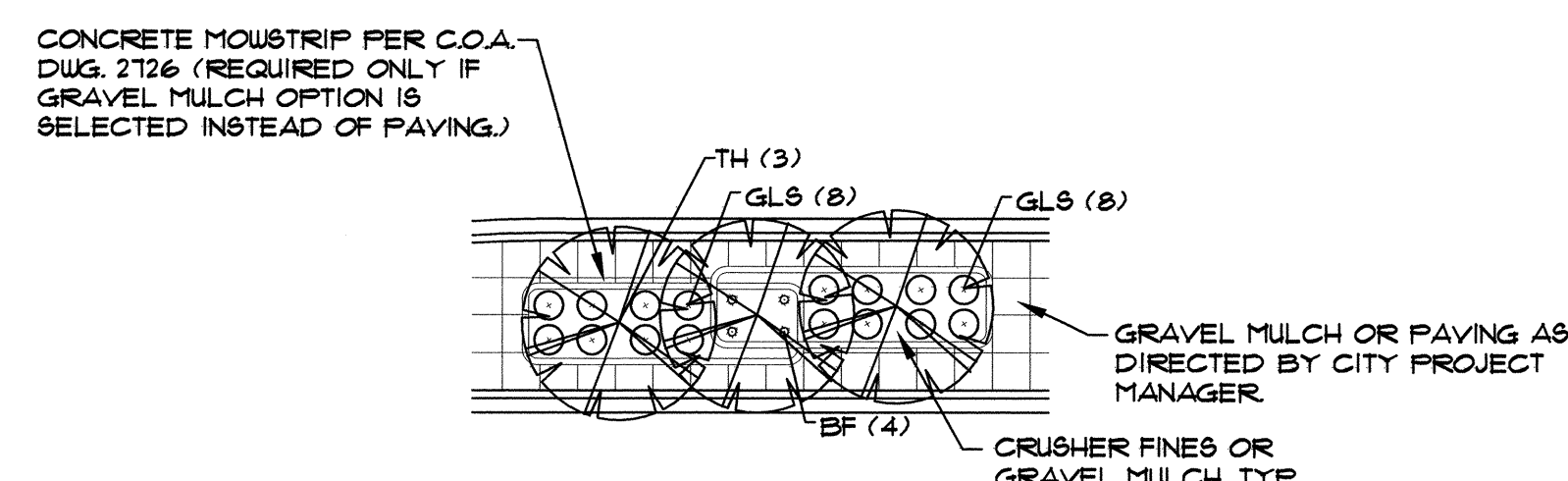
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) Scale: 1"=30'



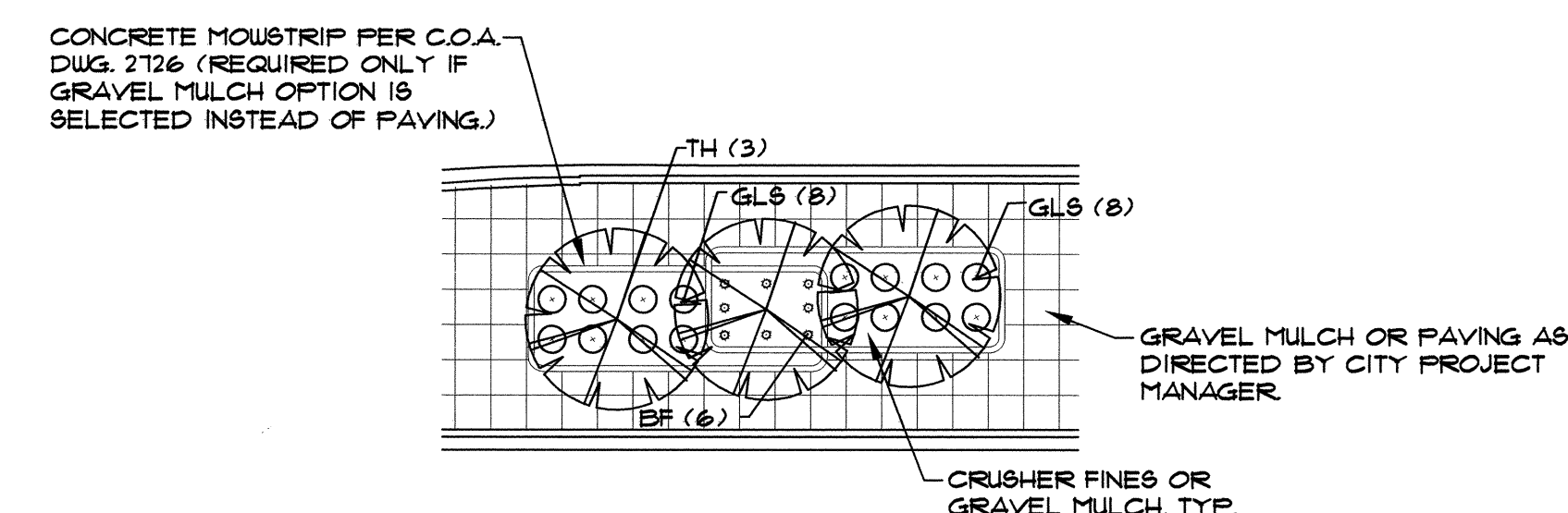
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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

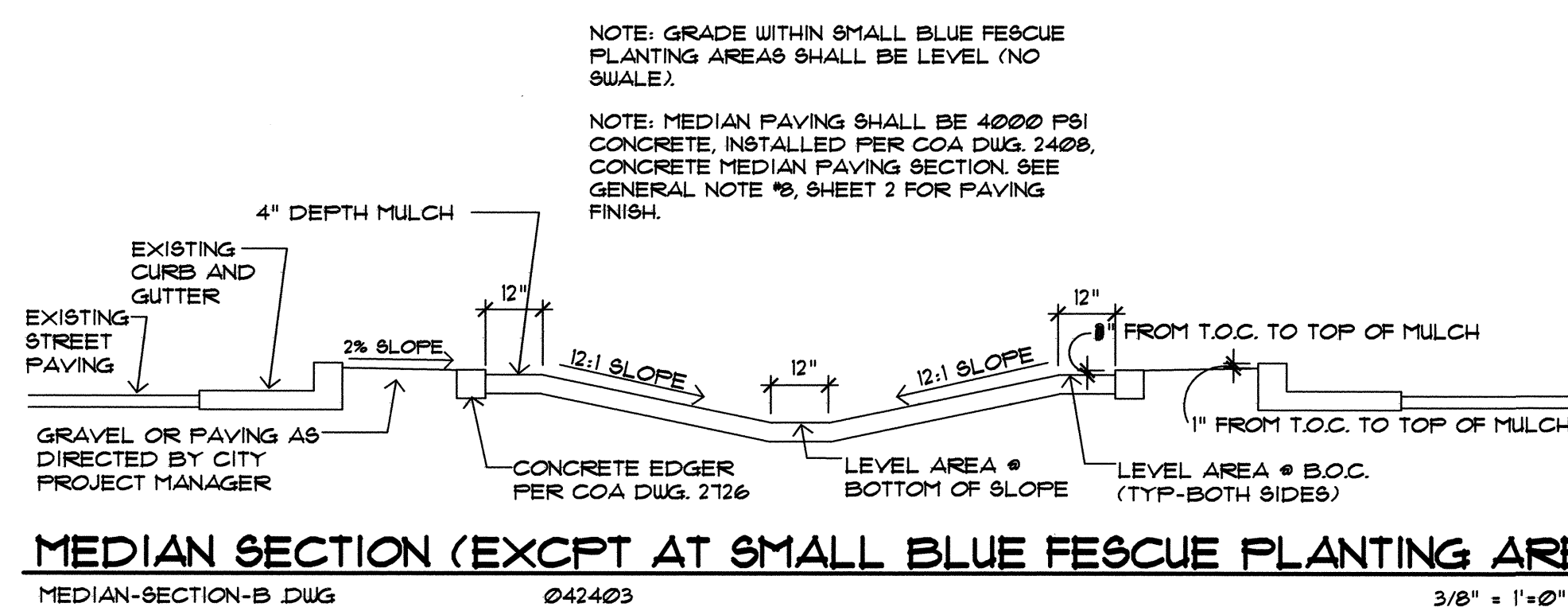


60' POD: TYP. 16' MEDIAN Scale: 1"=20'

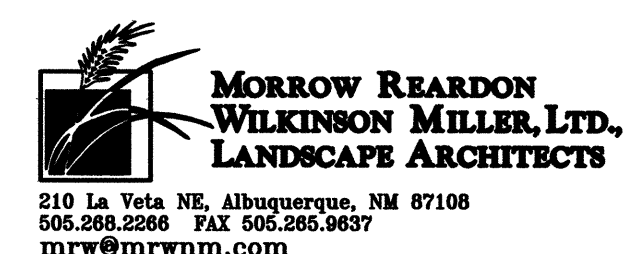


60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

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						
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						
GLS	Gro-Low Sumac	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



MEDIAN SECTION (EXCPT AT SMALL BLUE FESCUE PLANTING AREAS). MEDIAN-SECTION-B DUG 042403 3/8" = 1"=10"



		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPMENT	
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A PROTOTYPE F: PLANTING PLAN			
Design Review Committee APPROVED JUL 16 2007 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED JUL 16 2007 CITY ENGINEER	Last Design Update Mo./Day/Yr. _____	Mo./Day/Yr. _____
City Project No. 790300	Zone Map No.	Sheet 16 OF 25	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL	
CONTRACTOR	DATE		NO.	BY	DATE	REMARKS	BY
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STAMPED BY	DATE						
FIELD VERIFICATION BY	DATE						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							




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.
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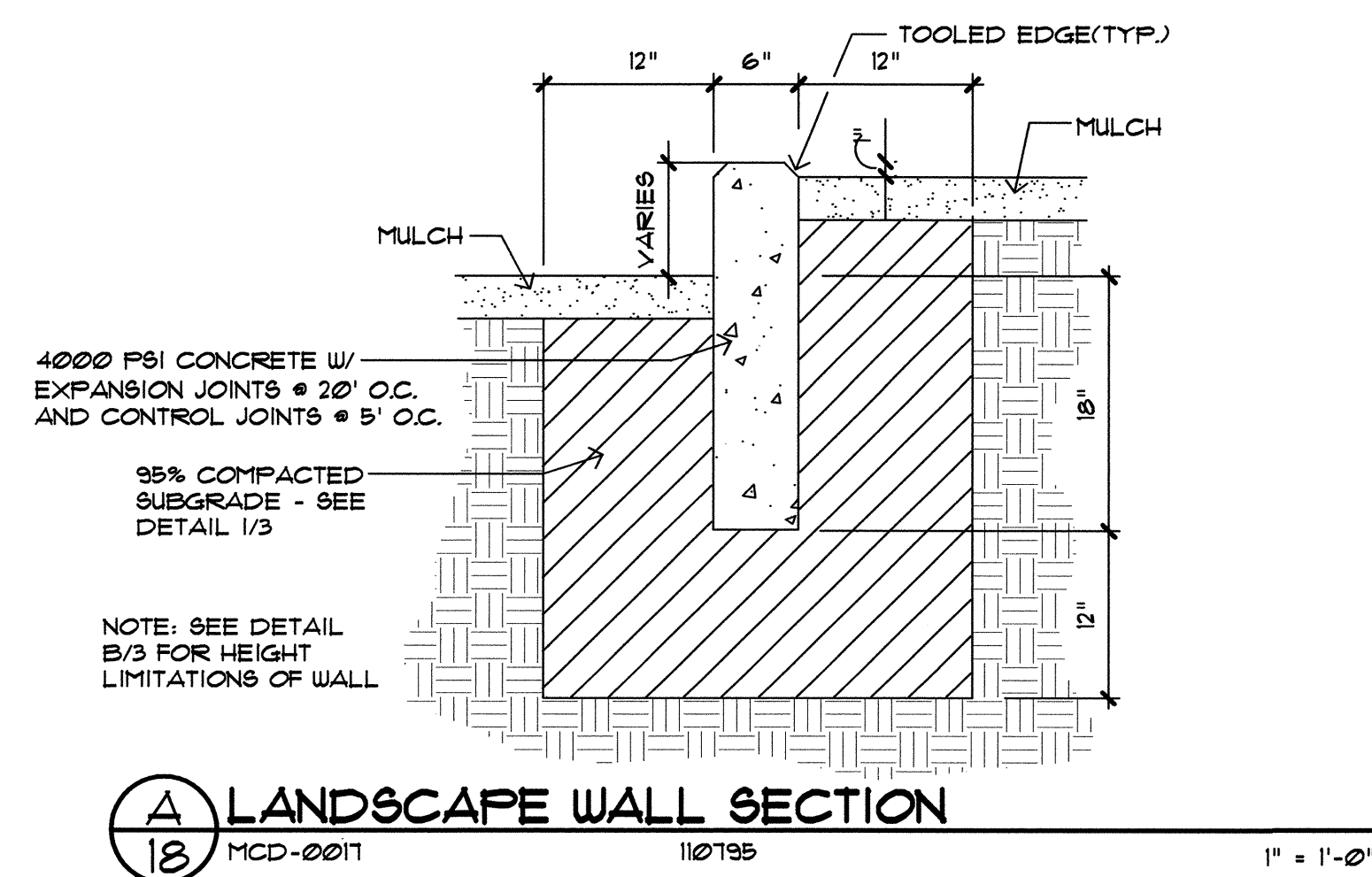
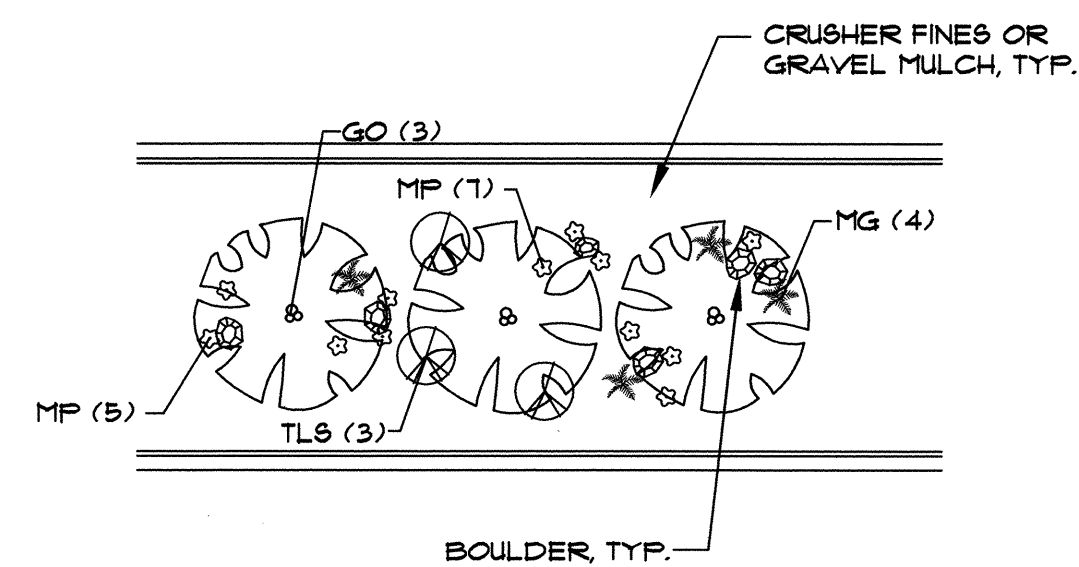
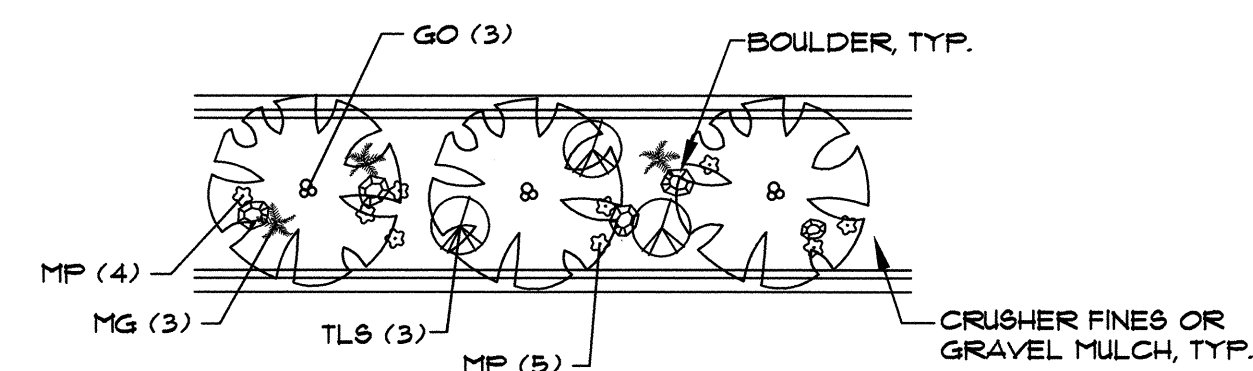
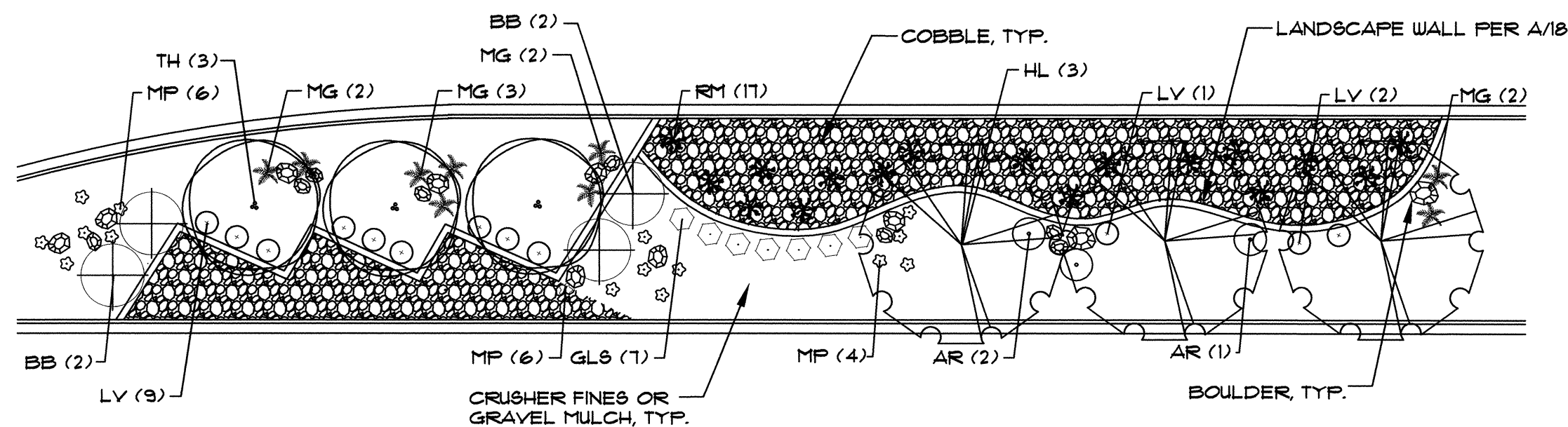
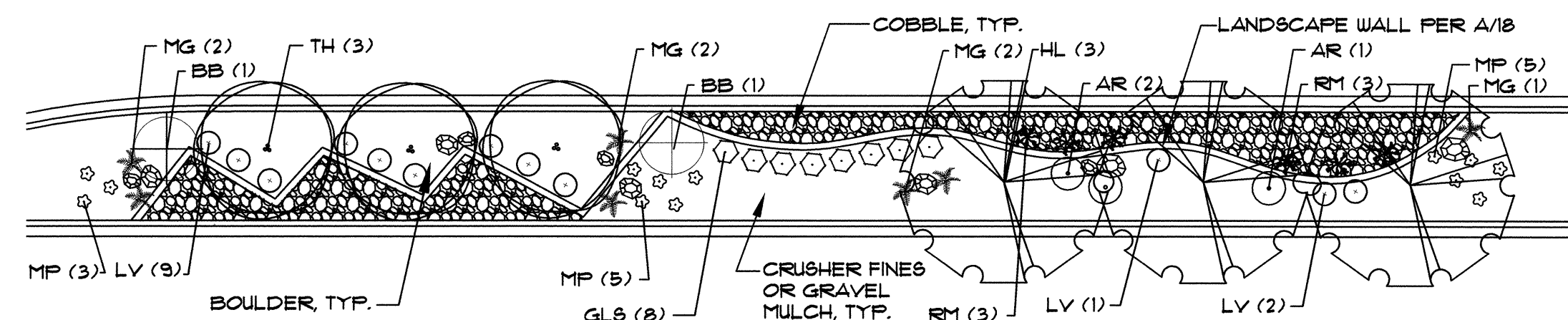


**MORROW REARDON
WILKINSON MILLER, LTD.,
LANDSCAPE ARCHITECTS**

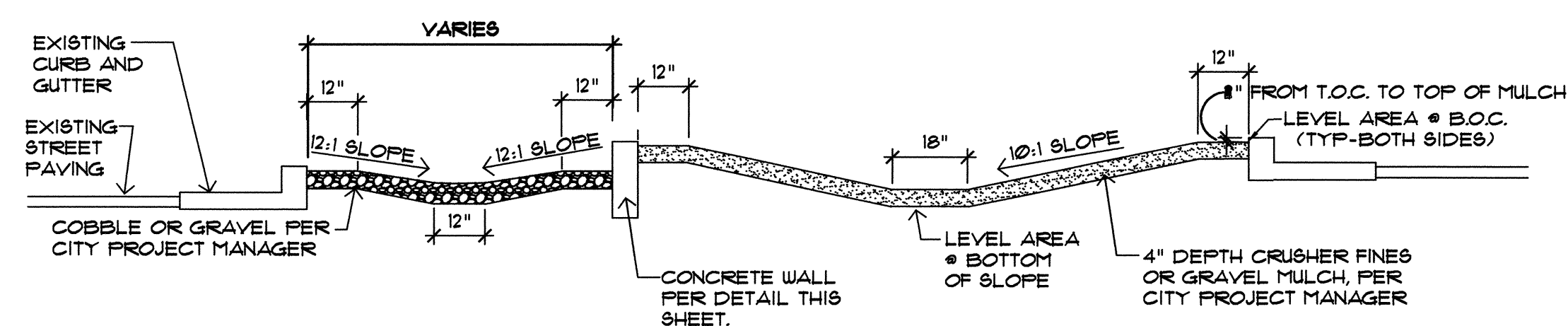
210 La Veta NE, Albuquerque, NM 87108
505.268.2286 FAX 505.285.9637
mrw@mrwnm.com

	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPMENT
	PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A PROTOTYPE F: IRRIGATION PLAN

<div>DESIGN REVIEW COMMITTEE</div> <div>JUL 16 2007</div> <div>DESIGN REVIEW COMMITTEE</div>		<div>CITY ENGINEER APPROVAL</div> <div>JUL 16 2007</div> <div>CITY ENGINEER</div>		Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 790300		Zone Map No.		Sheet 17 OF 25		



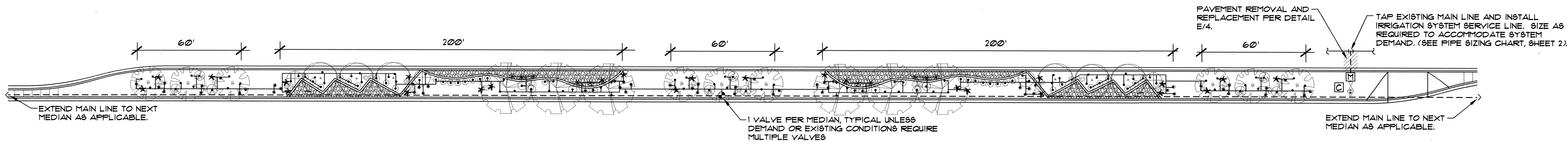
*Trees designated as "alternate species - wide medians only" shall be installed only in medians of minimum 25' width and 100' length.



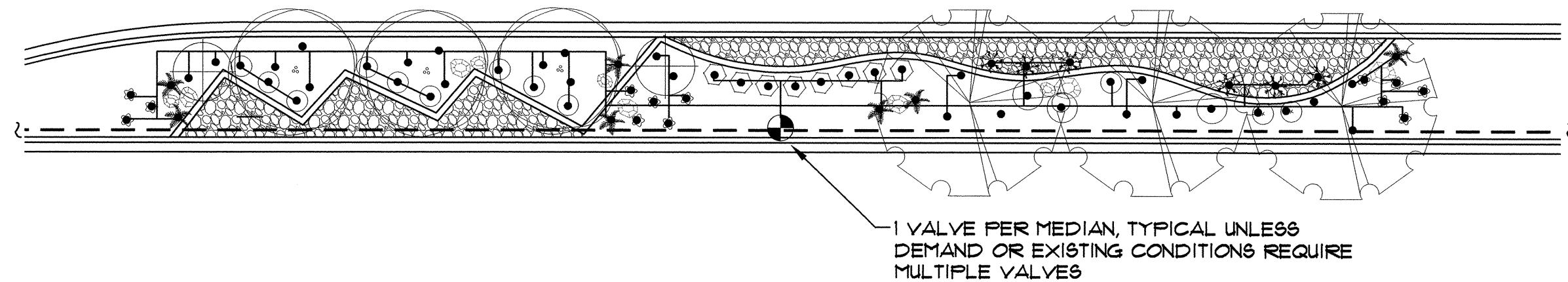
MEDIAN SECTION: PROTOTYPE G

REV. NO.	DATE	REVISIONS		
WILSON & COMPANY, ENGINEERS & ARCHITECTS				
DESIGNED BY	ECR/MAK	DATE	JULY 2007	
DRAWN BY	EAC/MAK	DATE	JULY 2007	
CHECKED BY	ECR	DATE	JULY 2007	

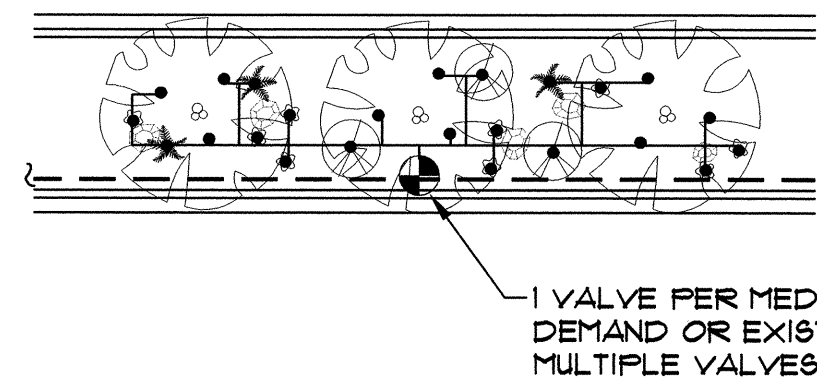
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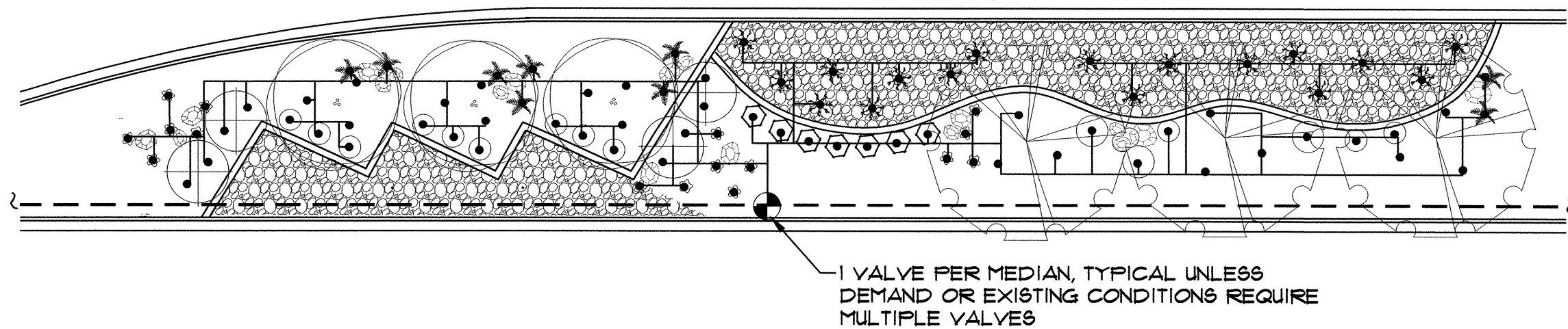
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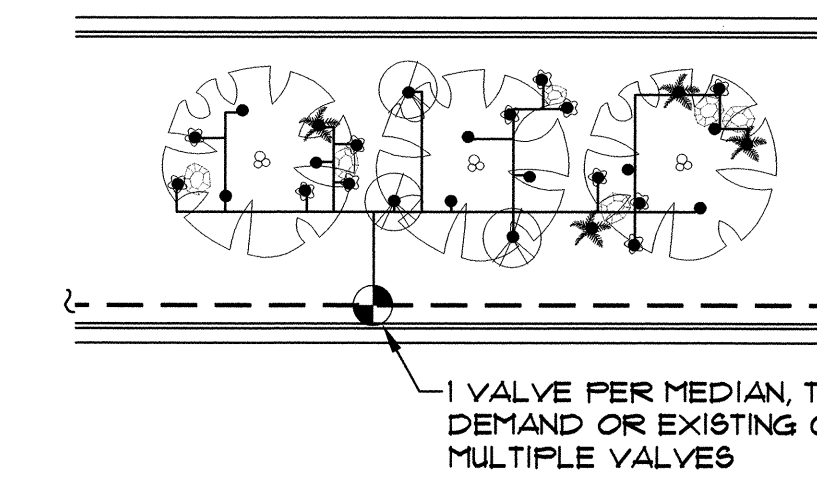
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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



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



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IRRIGATION LEGEND

- WATER METER PER COA DWG. 2362 OR 2363. SIZE PER METER SIZING CHART, SHEET 2.
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- 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.
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- 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.

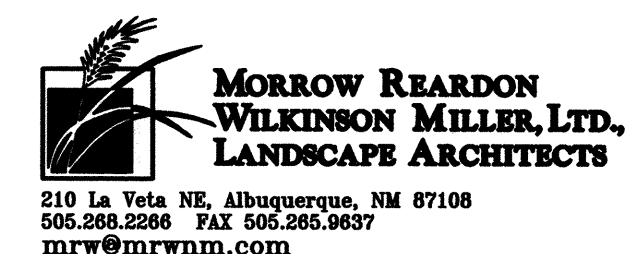
MODEL NO.	GPM	F81
1401	25	30
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PROTOTYPE G GPM

- | | |
|-----------------------|----|
| STANDARD 200' POD: | 21 |
| STANDARD 50' POD: | 6 |
| WIDE MEDIAN 200' POD: | 26 |
| WIDE MEDIAN 50' POD: | 7 |

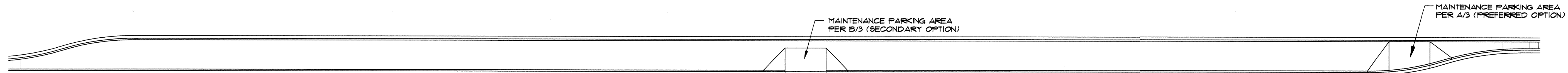
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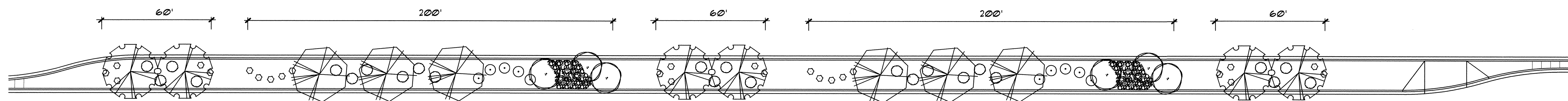


CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPMENT													
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A PROTOTYPE G: IRRIGATION PLAN													
Design Review Committee DESIGN REVIEW COMMITTEE	City Engineer Approval CITY ENGINEER	Last Design Update	<table border="1"> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.								
Mo./Day/Yr.	Mo./Day/Yr.												
City Project No. 790300	Zone Map No.	Sheet 19 OF 25											

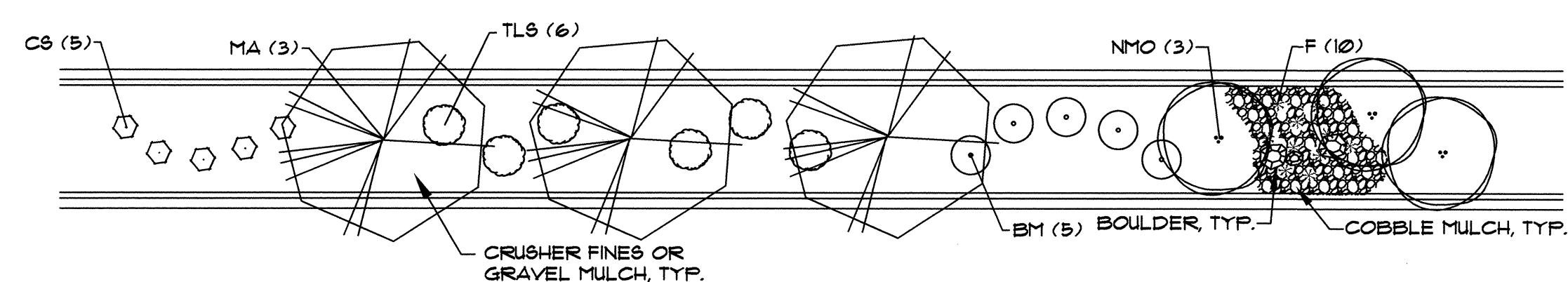
AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ARCHITECTURAL SEAL			
CONTRACTOR	WORKED BY	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE				
INSPECTED BY	ACCEPTANCE BY	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE				
VERIFICATION BY	DATE	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE				
DRAWINGS BY	DATE	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE				
MICRO-FILM INFORMATION				REVISIONS				REMARKS				WILSON & COMPANY, ENGINEERS & ARCHITECTS			
RECORDED BY	DATE	DATE	DATE	NO.	BY	DATE	DATE	NO.	BY	DATE	DATE	DESIGNED BY ECR/MAK			
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												CHECKED BY ECR			



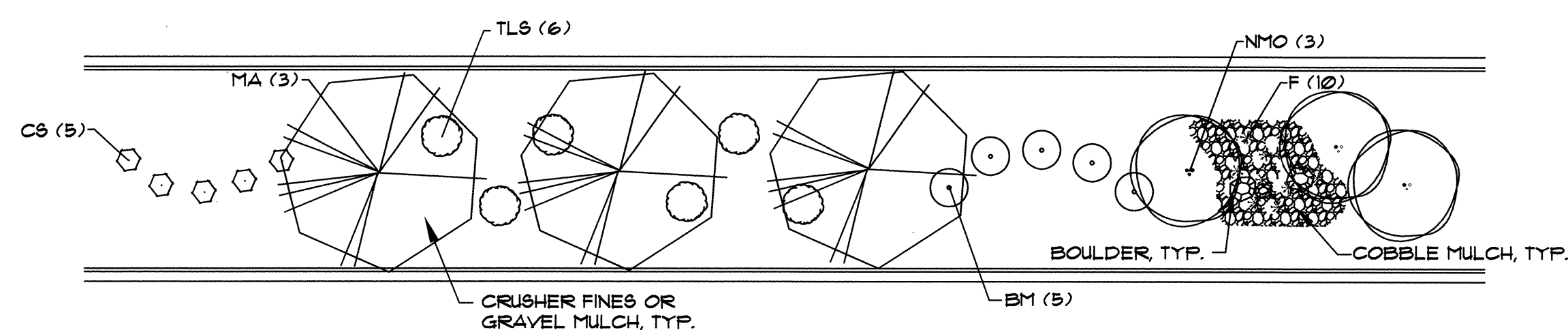
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' WIDE MEDIAN Scale: 1"=30'



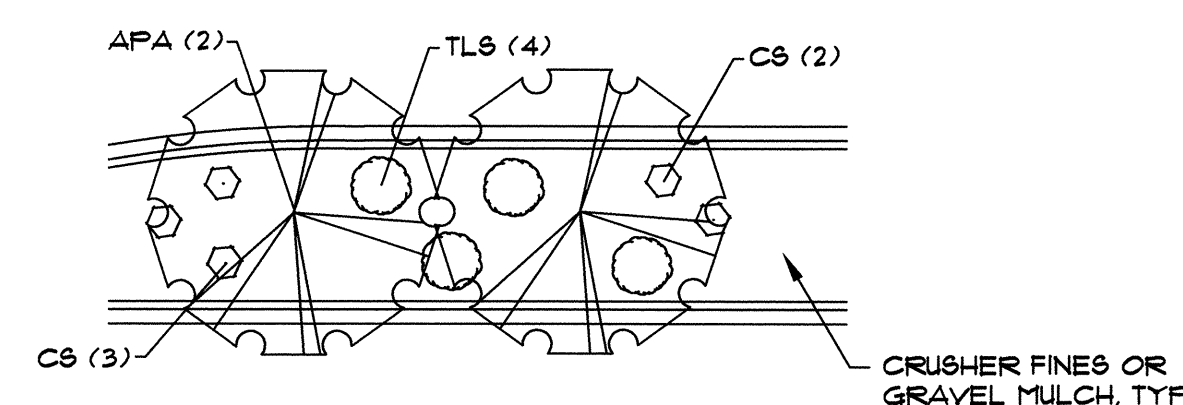
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) Scale: 1"=30'



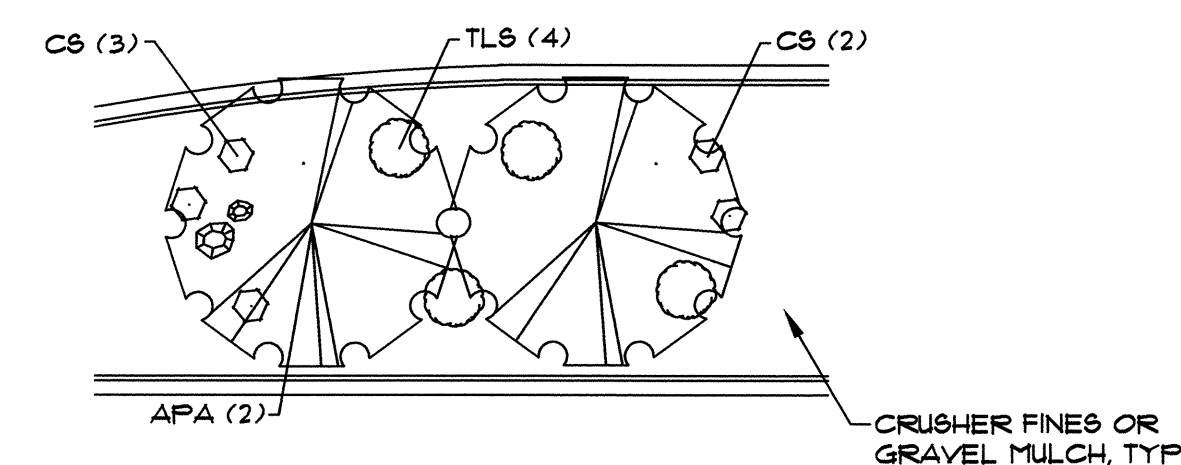
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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



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

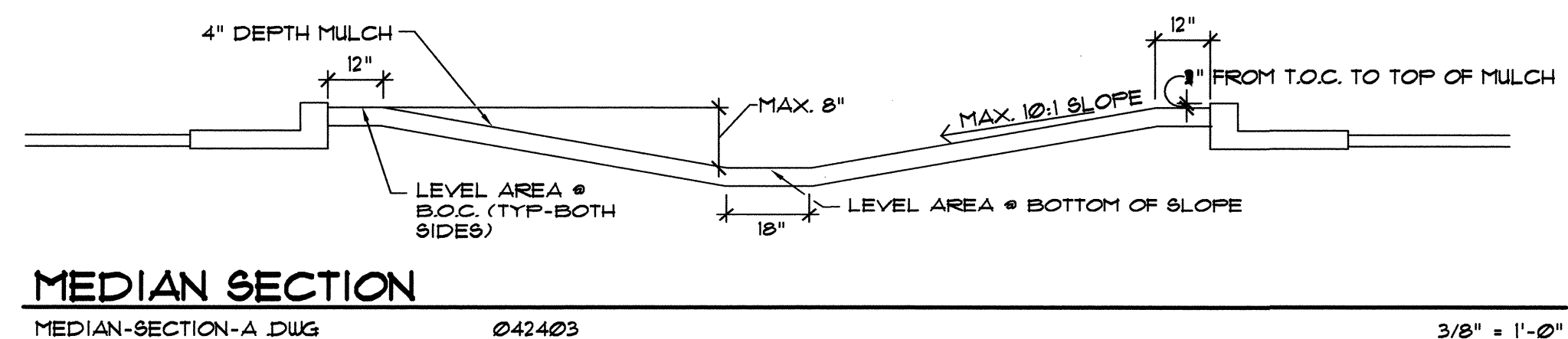


60' POD: WIDE MEDIAN ADAPTATION Scale: 1"=20'

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

SYMBOL	COMMON NAME	ALTERNATIVE SPECIES	ALTERNATIVE SPECIES:	QTY.	QTY.	QTY.	QTY.
				WIDE MEDIANS (200' POD)	(50' POD)	(WIDE 200' POD)	(WIDE 50' POD)
SHADE TREES							
APA	Autumn Purple Ash	Western Hackberry		0	2	0	2
		Lacebark Elm					
MA	Modesto Ash	Raywood Ash	Limber Pine	3	0	3	0
		Chinese Pistache	Austrian Pine				
VERTICAL SHRUBS							
NMO	New Mexico Olive	Mountain Mahogany		3	0	3	0
		Vitex					
LARGE SHRUBS							
TL6	Threaleaf Sumac	Apache Plume		6	4	6	4
		Maiden Grass					
BM	Blue Mist	Red Yucca		5	0	5	0
		Lena's Broom					
SMALL SHRUBS							
CS	Cherry Sage	Lavender		5	5	5	5
		Gro-Low Sumac					
		Shrubby Cinquefoil					
SMALL ORNAMENTAL GRASSES & CACTI							
F	Feathergrass	Foerster's Grass		10	0	10	0
		Claret Cup Cactus					

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



MEDIAN SECTION

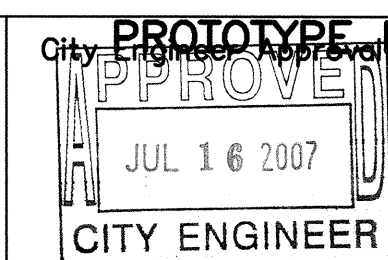
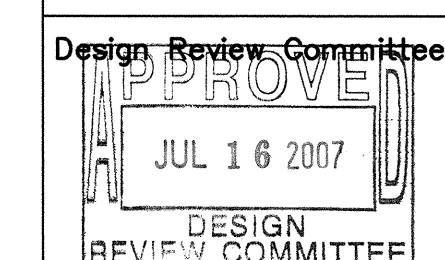
MEDIAN-SECTION-A.DWG

042403

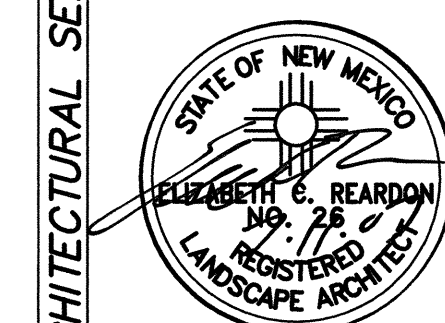
3/8" = 1'-0'



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A



PLANTING PLAN Mo./Dov/Yr.
Last Design Update
City Project No. 790300
Zone Map No.
Sheet 20 OF 25



NO.	DATE	REMARKS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY ECR/MAK DATE JULY 2007	
		DRAWN BY EAC/MAK DATE JULY 2007	
		CHECKED BY ECR DATE JULY 2007	

BENCH MARKS

SURVEY INFORMATION

ARCHITECTURAL SEAL

AS-BUILT INFORMATION

CONTRACTOR	DATE
INSPECTOR'S	DATE
FIELD	DATE
VERIFICATION BY	DATE
CONTRACTOR	DATE
RECORDED BY	DATE
NO.	DATE

CONTRACTOR	DATE
INSPECTOR'S	DATE
FIELD	DATE
VERIFICATION BY	DATE
CONTRACTOR	DATE
RECORDED BY	DATE
NO.	DATE

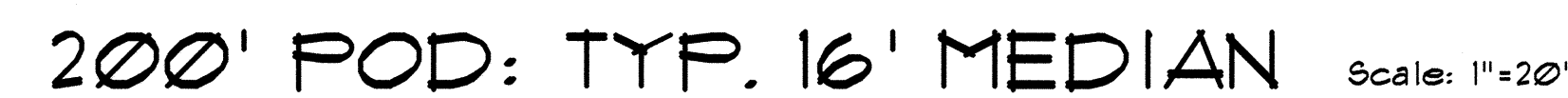
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FIELD	DATE
VERIFICATION BY	DATE
CONTRACTOR	DATE
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NO.	DATE

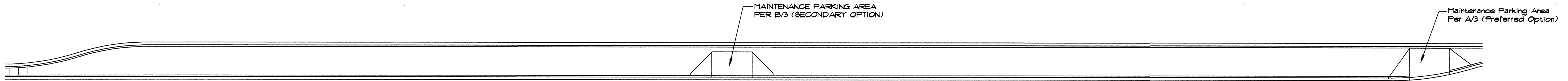
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CONTRACTOR	DATE
RECORDED BY	DATE
NO.	DATE

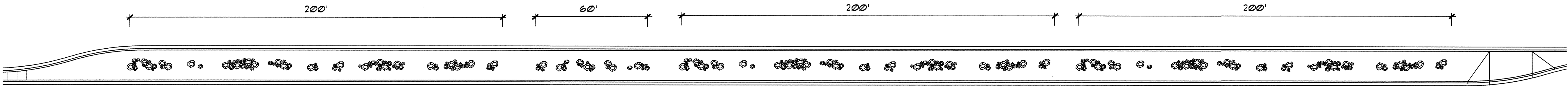


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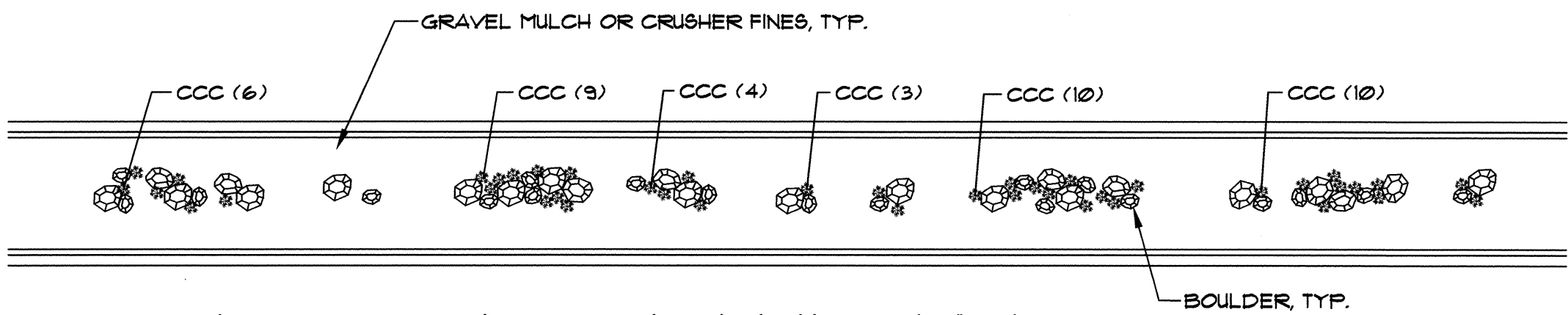
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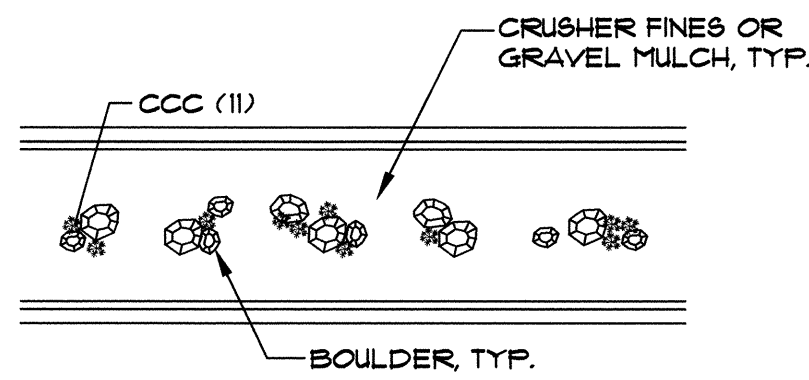
TYPICAL FOR EACH TYPE OF MAINTENANCE DRIVE PAD LOCATION ON 16' MEDIAN SCALE: 1"=30'



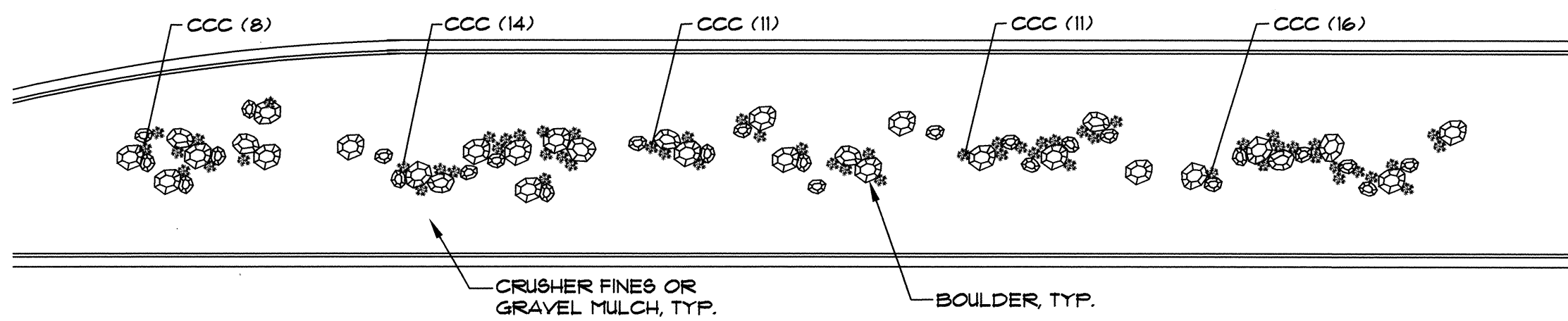
EXAMPLE LAYOUT FOR PODS (TYP. 16' MEDIAN) SCALE: 1"=30'



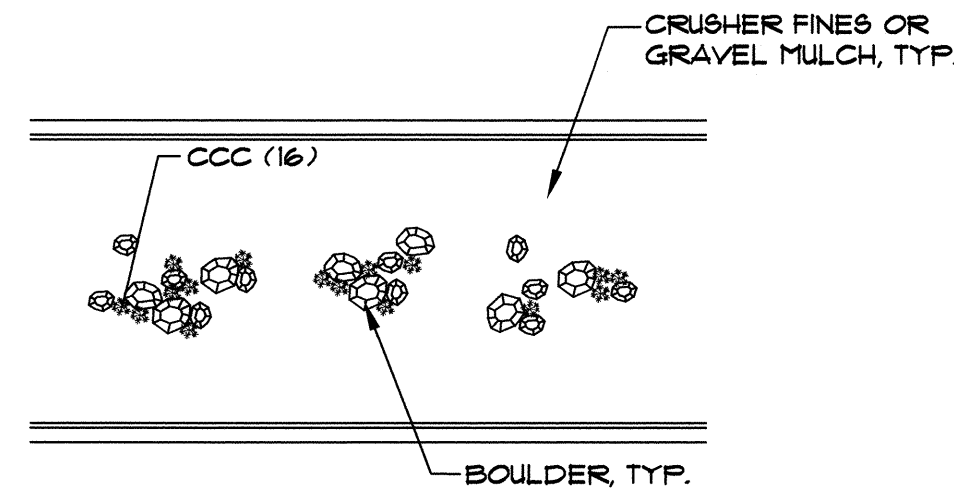
200' POD: TYP. 16' MEDIAN SCALE: 1"=20'



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

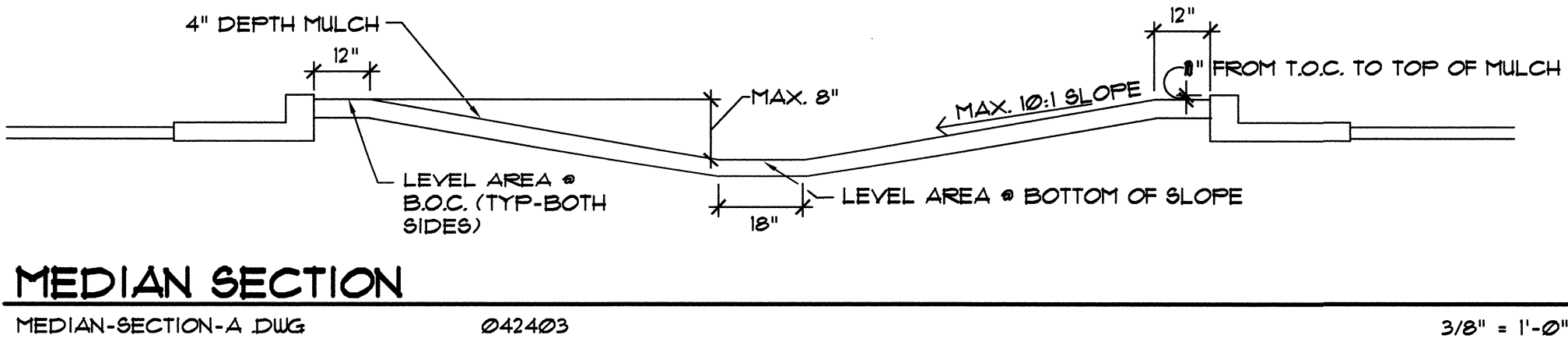


200' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'

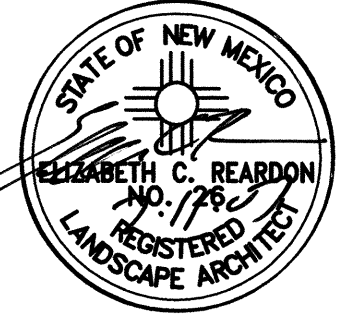


60' POD: WIDE MEDIAN ADAPTATION SCALE: 1"=20'

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



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
DRAWINGS 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
MICRO-FILM INFORMATION											





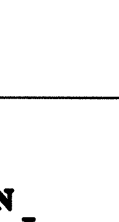
MORROW REARDON WILKINSON MILLER, LTD.
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2296 FAX 505.265.9637
mrw@mrwnm.com

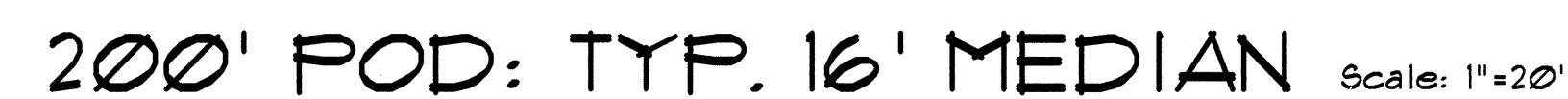
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A
PROTOTYPE I: PLANTING PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVE JUL 16 2007 DESIGN REVIEW COMMITTEE	APPROVE JUL 16 2007 CITY ENGINEER		
City Project No. 790300	Zone Map No.	Sheet 22 OF 25	



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

 <p>MORROW REARDON WILKINSON MILLER, LTD., LANDSCAPE ARCHITECTS</p> <p>210 La Veta NE, Albuquerque, NM 87108 505.268.2286 FAX 505.265.9837 mrw@mrwmlm.com</p>		 CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPMENT		PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A PROTOTYPE I: IRRIGATION PLAN		DESIGN REVIEW COMMITTEE JUL 16 2007 DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL JUL 16 2007 CITY ENGINEER		Lost Design Update		Mo./Day/Yr.		Mo./Day/Yr.	
 STATE OF NEW MEXICO ELIZABETH C. REARDON REGISTERED LANDSCAPE ARCHITECT		ARCHITECTURAL SEAL		SURVEY INFORMATION FIELD NOTES NO. BY DATE		BENCH MARKS		AS-BUILT INFORMATION CONTRACTOR WORK STARTED BY DATE ACCEPTANCE BY DATE FIELD ACTION BY DATE CHANGES CORRECTED BY DATE MICRO-FILM INFORMATION RECORDED BY DATE NO.							



4" DEPTH MULCH

12"

MAX. 8"

MAX. 10:1 SLOPE

12"

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

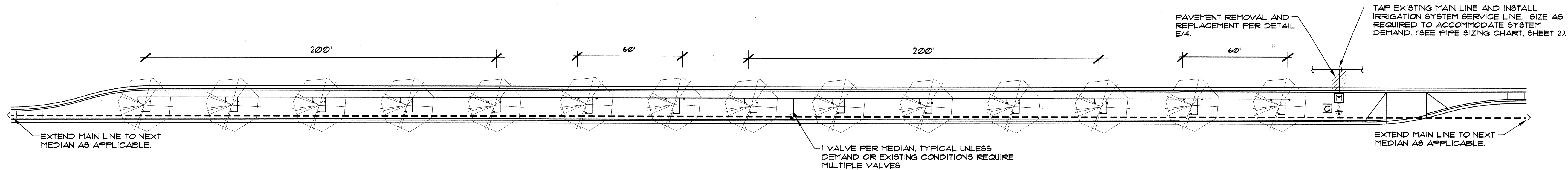
3/8" = 1'-0"



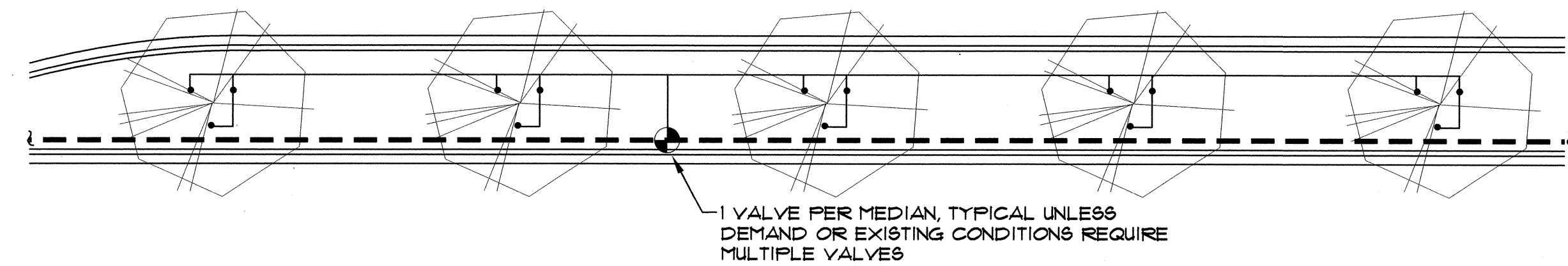
PROTOTYPE MEDIAN & INTERSTATE LANDSCAPES FY-07A
PROTOTYPE J: PLANTING PLAN

City Project No.	Zone Map No.	Sheet
790300		24 OF 25

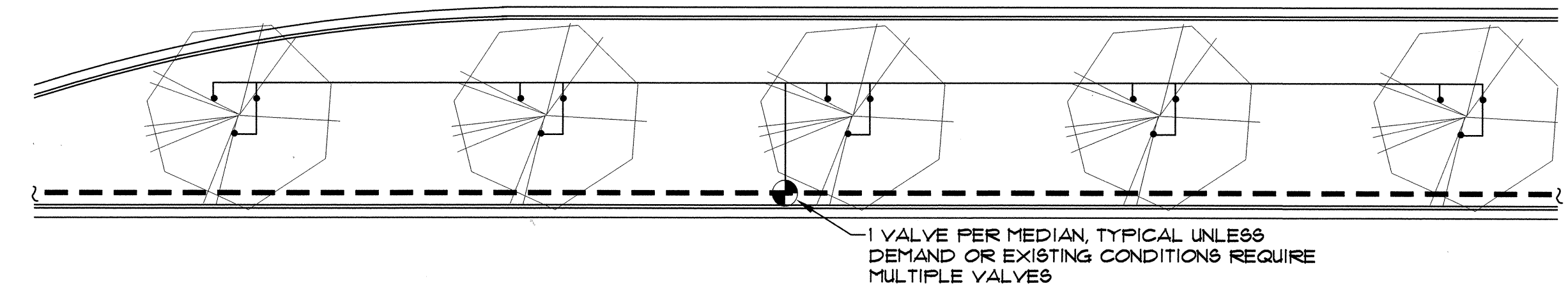
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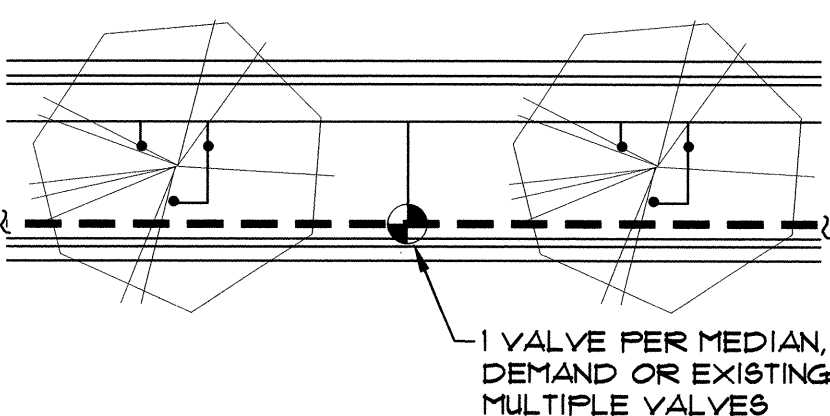
EXAMPLE LAYOUT FOR 16' WIDE MEDIAN (W/ IRRIGATION TAP, METER, BACKFLOW PREVENTER & MAIN LINE) Scale: 1"=30'



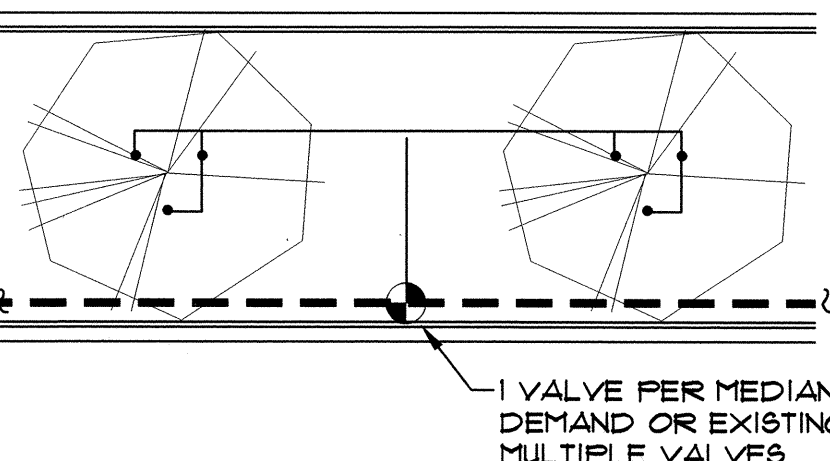
200' POD: TYP. 16' MEDIAN Scale: 1"=20'



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. 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 25 AND 26, 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 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-07A PROTOTYPE J: IRRIGATION PLAN													
Design Review Committee JUL 16 2007 DESIGN REVIEW COMMITTEE	City Engineer Approval JUL 16 2007 CITY ENGINEER	Last Design Update	<table border="1"> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	Mo./Day/Yr.	Mo./Day/Yr.								
Mo./Day/Yr.	Mo./Day/Yr.												
City Project No. 790300	Zone Map No.	Sheet 25 OF 25											

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



REVISIONS	NO.	DATE	BY
WILSON & COMPANY, ENGINEERS & ARCHITECTS			
DESIGNED BY	ECR/MAK	DATE	JULY 2007
DRAWN BY	EAC/MAK	DATE	JULY 2007
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