

IRRIGATION NOTES

- A. SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS. WHERE NOT PROTECTED BY CONCRETE BARRIER WALLS, GUARD RAILS, OR OTHER SAFETY STRUCTURES, BORE PITS SHALL BE LOCATED OUTSIDE CLEAR ZONE. BORING THAT REQUIRES A LOCAL OPERATING WITHIN THE ROADWAY SHALL BE PERFORMED ON A SUNDAY. CONTRACTOR SHALL INCLUDE BORING OPERATIONS ON TRAFFIC CONTROL PERMIT APPLICATIONS.
- B. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
- C. FOR PVC IRRIGATION PIPING AND EQUIPMENT REFERENCE COA SPECIFICATION SECTION 1001 – LANDSCAPE IRRIGATION SYSTEM.
- D. THE LOCATION AND SIZE OF IRRIGATION EQUIPMENT ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. THE LOCATION OF CONTROLLERS, PUMPS, BACKFLOW PREVENTERS, VALVES, ETC. SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD.
- E. THE LOCATION OF IRRIGATION MAIN AND LATERAL LINES ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. UNLESS OTHERWISE NOTED ON THE PLAN, ANY IRRIGATION LINES SHOWN IN HARDSCAPE AREAS IS FOR GRAPHIC CLARITY ONLY. IRRIGATION LINES SHALL BE LOCATED IN IMMEDIATELY ADJACENT LANDSCAPE AREAS.
- F. ALL VALVE BOXES SHALL BE TAN WITH TAN BOLT-DOWN LIDS.
- G. IRRIGATION SYSTEM WAS DESIGNED AT VARIOUS MINIMUM STATIC PRESSURES AT THE POINTS OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THAT THE ACTUAL PSI IS DIFFERENT THAN THAT USED FOR DESIGN PURPOSES, THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY.
- H. AIR RELEASE VALVE LOCATIONS ARE SHOWN SCHEMATICALLY ON THE PLAN AT HIGH POINTS IN ELEVATION. CONTRACTOR SHALL SURVEY FINAL LOCATIONS OF ALL AIR RELEASE VALVES PRIOR TO INSTALLATION TO ENSURE THAT THEY ARE LOCATED AT ACTUAL HIGH POINTS.
- I. THE IRRIGATION CONTROLLER MODEL IS NOTED IN THE LEGEND AND SHALL INCLUDE ALL COMPONENTS INCLUDING INTERSPEC ENCLOSURE, ANTENNAS, COMMUNICATIONS, STATION SWITCHES, PARTS, PIECES, AND COMPONENTS REQUIRED FOR PROPER INSTALLATION AND FUNCTION AS PER COA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. A RADIO SIGNAL COMMUNICATION TEST PRIOR TO INSTALLING ANY SATELLITE CONTROLLER WILL BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY ANTENNA AND COMMUNICATION UPGRADES IN THE EVENT THAT THE SATELLITE CONTROLLER REQUIRES IMPROVED COMMUNICATION. THE CONTRACTOR SHALL GROUND THE IRRIGATION CONTROLLER PER THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GROUND TEST RESULTS FOR EACH CONTROLLER AS PART OF THE CLOSEOUT DOCUMENTATION.
- J. BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE TESTER. TEST SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF CONSTRUCTION. CONTRACTOR SHALL SUBMIT TEST RESULTS TO ABCWA AND COA DMD (ONE COPY TO EACH) AS PART OF CLOSEOUT DOCUMENTATION.
- K. ON SOLAR CONTROLLERS ONLY (6) VALVES SHALL BE INSTALLED ON ONE COMMON WIRE. AT LOCATIONS WHERE THERE ARE MORE THAN (6) VALVES A SECOND COMMON WIRE SHALL BE ADDED FOR THE ADDITIONAL VALVES.

IRRIGATION LEGEND

- IRRIGATION MAIN LINE, SCHEDULE 40, BELL END, SOLVENT WELD PVC, SIZE: 2". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE MAIN, 18" FOR NON-CONTINUOUS PRESSURE MAIN.
- IRRIGATION MAIN LINE, HIGH-DENSITY POLYETHYLENE (HDPE), INSTALLED AS CONTINUOUS PIPE SECTIONS WITHOUT FITTINGS UNDER PAVEMENT, SIZE: 2".
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". LATERAL PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".
- MAIN LINE SLEEVE PIPING, STEEL CASING. SEE IRRIGATION KEYED NOTE #1.
- LATERAL LINE SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SIZE: TWO PIPE SIZES LARGER THAN LINE BEING SLEEVED.
- REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD PEB SERIES, OR EQUAL, PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. SEE COA DWG. 2705.
- MANUAL ISOLATION VALVE ASSEMBLY, SPEARS SCH. 80 PVC BALL VALVE WITH UNIONS, SAME SIZE AS LINE. SEE COA DWG. 2707.
- BACKFLOW PREVENTER AND COMBINATION MASTER VALVE/FLOW METER ASSEMBLY. BACKFLOW PREVENTER SHALL BE FBEO 825YA REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. COMBINATION MASTER VALVE/FLOW METER SHALL BE ARAD MASTER VALVE/FLOW METER. INSTALL PER DETAIL 2/LI501 (SIZE: 2").
- AIR RELEASE VALVE ASSEMBLY, CRISPIN A-20, SIZE 1". INSTALL PER COA DETAIL 2706. SEE IRRIGATION NOTE H.
- PRESSURE COMPENSATING BUBBLER AND CHECK VALVE ASSEMBLIES, RAIN BIRD 1400 SERIES BUBBLERS AND SPEARS S1101-5 SPRING CHECK VALVES. INSTALL AS FOLLOWS:
- | MODEL NO. | GPM | PSI | REFERENCE DETAIL(S) |
|-----------|------------------|-----|---------------------|
| 1401 | .25 | 30 | 5/LI501 |
| 1402 | .5 | 30 | 5/LI501 |
| 1404 | 3.0 (3 PER TREE) | 30 | 3/LI501 AND 5/LI501 |
| 1404 | 2.0 (2 PER TREE) | 30 | 4/LI501 AND 5/LI501 |
- SOLVENT WELD PVC CAP, SIZE PER LINE SIZE.
- 12-STATION IRRIGATION CONTROLLER. SEE IRRIGATION KEYED NOTE 3. CONTROLLER LOCATION SHALL BE APPROVED BY LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION.
- WATER METER PER COA STD. DWG. 2362 OR 2363 AND COA STD. DWG. 2367 OR 2368. SIZE AS SHOWN ON PLAN.
- HDPE TO PVC COUPLING.

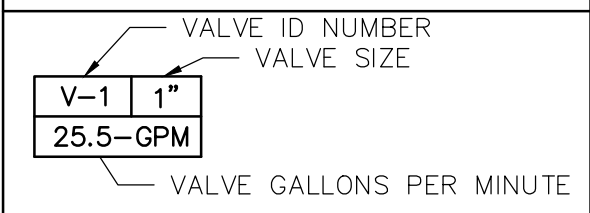
SOUTHWEST QUADRANT IRRIGATION PLAN

SCALE: 1"=30'-0"

IRRIGATION KEY NOTES

1. CONTRACTOR SHALL JACK AND BORE UNDER ROADWAY AND INSTALL SLEEVING FOR MAIN LINE PIPING, CONTROL WIRES, AND FUTURE LIGHTING WIRING. MAIN LINE SLEEVES UNDER ROADWAY SHALL BE STEEL, 6" DIAMETER, AND SHALL EXTEND A MINIMUM OF 4' BEYOND ADJACENT PAVED SURFACE. SEE IRRIGATION NOTE A. BORES SHALL BE A MINIMUM 48" DEPTH BELOW BOTTOM OF ROAD PRISM. CONTROLLER WIRES SHALL BE INSTALLED IN SEPARATE 2" CONDUIT WITHIN THE SAME 6" STEEL SLEEVE TO BE USED FOR IRRIGATION MAIN LINE. AN ADDITIONAL 1" ELECTRICAL CONDUIT SHALL ALSO BE INSTALLED WITHIN THE 6" STEEL SLEEVE.
2. CONNECT TO EXISTING 8" PVC WATER LINE.
3. FURNISH AND INSTALL IRRINET M MODEL #IS-R1D-RU-SO DC CONTROLLER WITH 12 STATION OUTPUTS, 4 INPUTS, UHF HI POWER RADIO W/TRANSFORMER AND ANTENNA. INSTALL IN UL RATED INTERSPEC SOLAR PEDESTAL PER DETAIL 1/LI501. ENCLOSURE SHALL BE POWDER COATED, COLOR TAN. SEE ALSO IRRIGATION NOTE K.
4. INSTALL VALVE AND CONNECT TO EXISTING 3/4" PVC MAIN LINE AND IRRIGATION CONTROL WIRES. VALVE WILL BE OPERATED BY IRRIGATION CONTROLLER AT ADJACENT PROPERTY.
5. INSTALL BUBBLERS WITHIN LIMITS SHOWN PER DETAIL 5/LI501, SIMILAR. OMIT IN-LINE CHECK VALVE.
6. EXTEND 2", SCHEDULE 40, SOLVENT WELD PVC MAIN LINE TO PASEO DEL NORTE AND RUN (7) CONTROL WIRES AND (1) COMMON WIRE TO A 12" BY 18" VALVE BOX FOR FUTURE USE.
7. CONTRACTOR SHALL DIRECTIONALLY BORE UNDER ROADWAY AND INSTALL SLEEVING FOR MAIN LINE PIPING AND CONTROL WIRES. MAIN LINE SLEEVES UNDER ROADWAY SHALL BE STEEL, 6" DIAMETER, AND SHALL EXTEND A MINIMUM OF 4' BEYOND ADJACENT PAVED SURFACE. SEE IRRIGATION NOTE A. BORES SHALL BE A MINIMUM 48" DEPTH BELOW BOTTOM OF ROAD PRISM. CONTROLLER WIRES SHALL BE INSTALLED IN SEPARATE 2" CONDUIT WITHIN THE SAME 6" STEEL SLEEVE TO BE USED FOR IRRIGATION MAIN LINE.
8. CONNECT TO MAIN LINE EXTENSION ALREADY COMPLETED AS PART OF THIS PROJECT SCOPE.
9. CONTRACTOR SHALL DIRECTIONAL BORE FOR LATERAL PIPING AND SLEEVE UNDER EXISTING DRIVEWAY. SLEEVE SHALL BE TWICE THE SIZE OF THE LATERAL LINE.

VALVE ID KEY

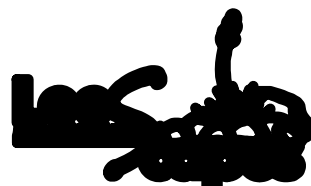
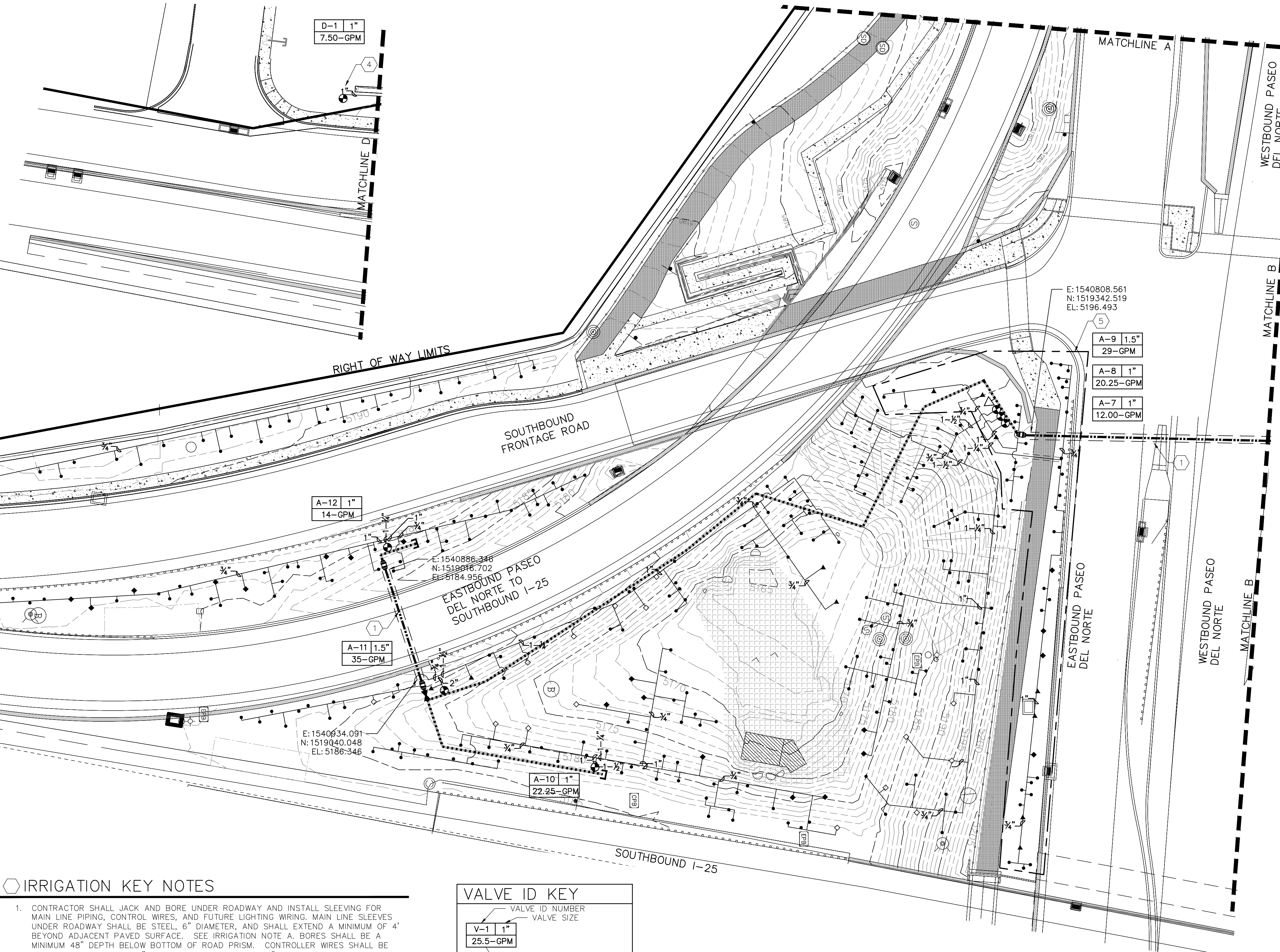


LINETYPE LEGEND

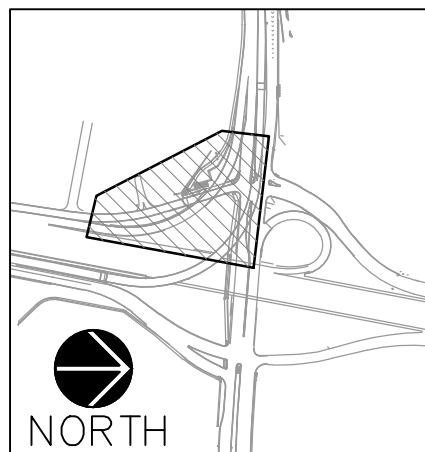
- EXISTING GUARDRAIL
- EXISTING CONCRETE WALL BARRIER
- EXISTING EDGE OF DRIVE LANE
- APPROXIMATE RIGHT OF WAY LIMITS
- EXISTING FENCE

IRRIGATION NOTES (CONTINUED)

- L. CONTRACTOR SHALL NOT TRENCH WITHIN THE DRIPLINE OF EXISTING TREES. AT LOCATIONS WHERE IT IS NECESSARY TO TRENCH WITHIN DRIPLINE TO INSTALL IRRIGATION LINES THE TRENCHING SHALL BE DONE BE HAND. NO ROOT 1" OR LARGER SHALL BE CUT.
- M. FOR CONTROLLER "B" CONTRACTOR SHALL ADD AN ADDITIONAL MODULE TO HAVE THE REQUIRED AMOUNT OF STATIONS NEEDED.

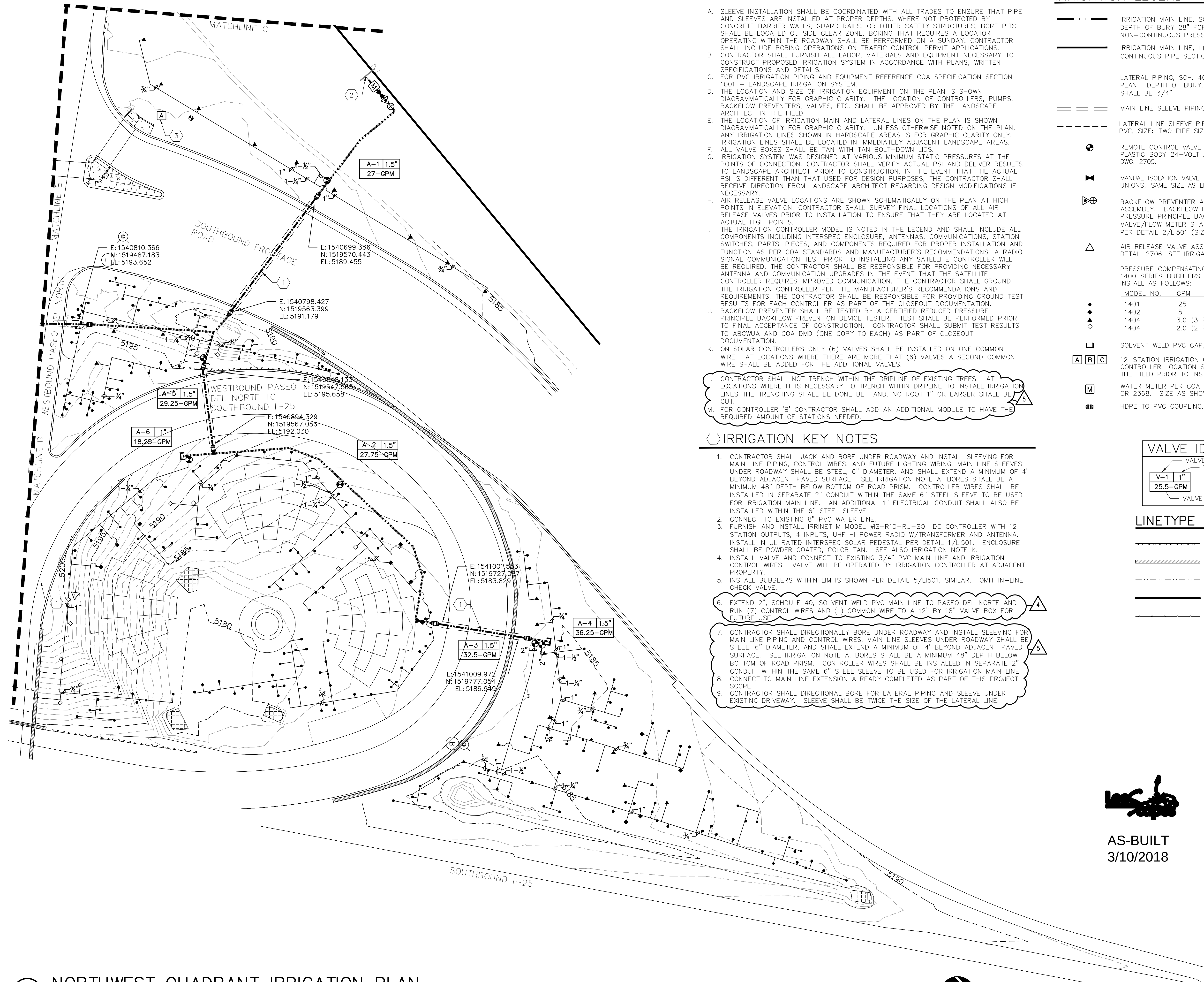


AS-BUILT
3/10/2018



CITY OF ALBUQUERQUE CAPITAL IMPLEMENTAL DEVELOPMENT DEPARTMENT OF MUNICIPAL DEVELOPMENT			
INTERSTATE 25/PASEO DEL NORTE INTERCHANGE LANDSCAPE IMPROVEMENTS			
SOUTHWEST QUADRANT IRRIGATION PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 800292		Zone Map No. C18, D18	Sheet L1101

REVISIONS		ARCHITECTURAL SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	FIELD CHANGE			NO.	BY	DATE		CONTRACTOR	LEE LANDSCAPES INC.
1	6/22							INSPECTOR'S	DATE
								ACCEPTANCE BY	DATE
								VERIFICATION BY	DATE
								DRAWN BY	DATE
								ML	DATE
								MICRO-FILM	INFORMATION
								RECORDED BY	DATE
								NO.	



A NORTHWEST QUADRANT IRRIGATION PLAN
SCALE: 1"=30'-0"

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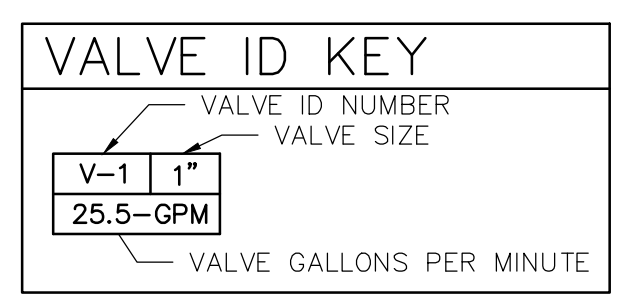
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IRRIGATION LEGEND

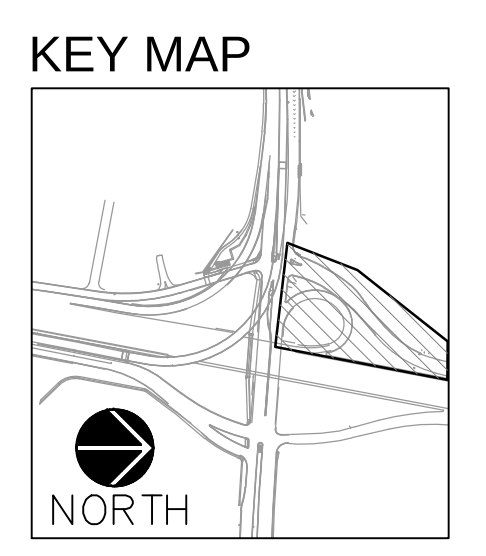
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MODEL NO.	GPM	PSI	REFERENCE DETAIL(S)
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LINETYPE LEGEND

- EXISTING GUARDRAIL
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AS-BUILT
3/10/2018

MRWM
LANDSCAPE ARCHITECTS
mrwmla.com 505 268 2266

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTAL DEVELOPMENT
DEPARTMENT OF MUNICIPAL DEVELOPMENT

INTERSTATE 25/PASEO DEL NORTE INTERCHANGE LANDSCAPE IMPROVEMENTS
NORTHWEST QUADRANT IRRIGATION PLAN

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

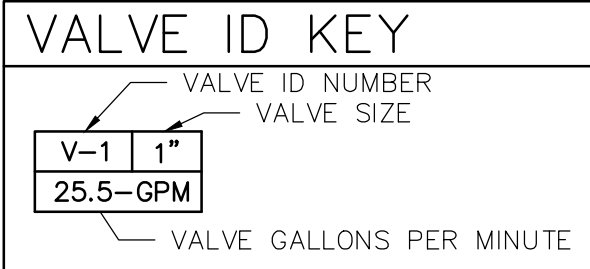
City Project No. 800292	Zone Map No. C18, D18	Sheet L1103
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100% FOR CONSTRUCTION
DATE: APRIL 5, 2017

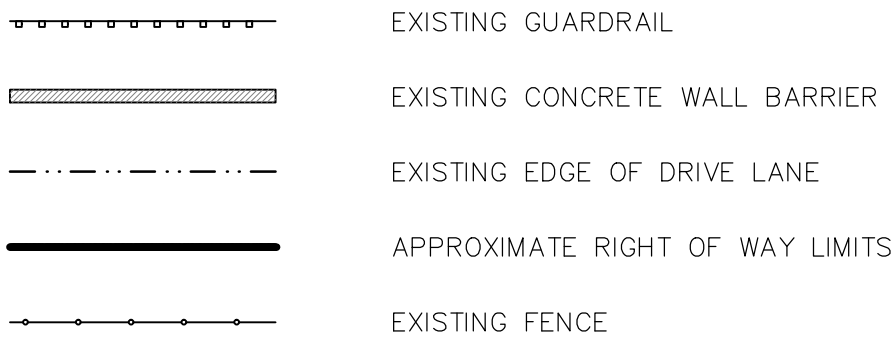
INTERSTATE 25/ PASEO DEL NORTE
INTERCHANGE LANDSCAPE IMPROVEMENTS

PROJECT# 800292

RECORD DRAWINGS
DATE: MARCH 10, 2018



LINETYPE LEGEND



IRRIGATION NOTES (CONTINUED)

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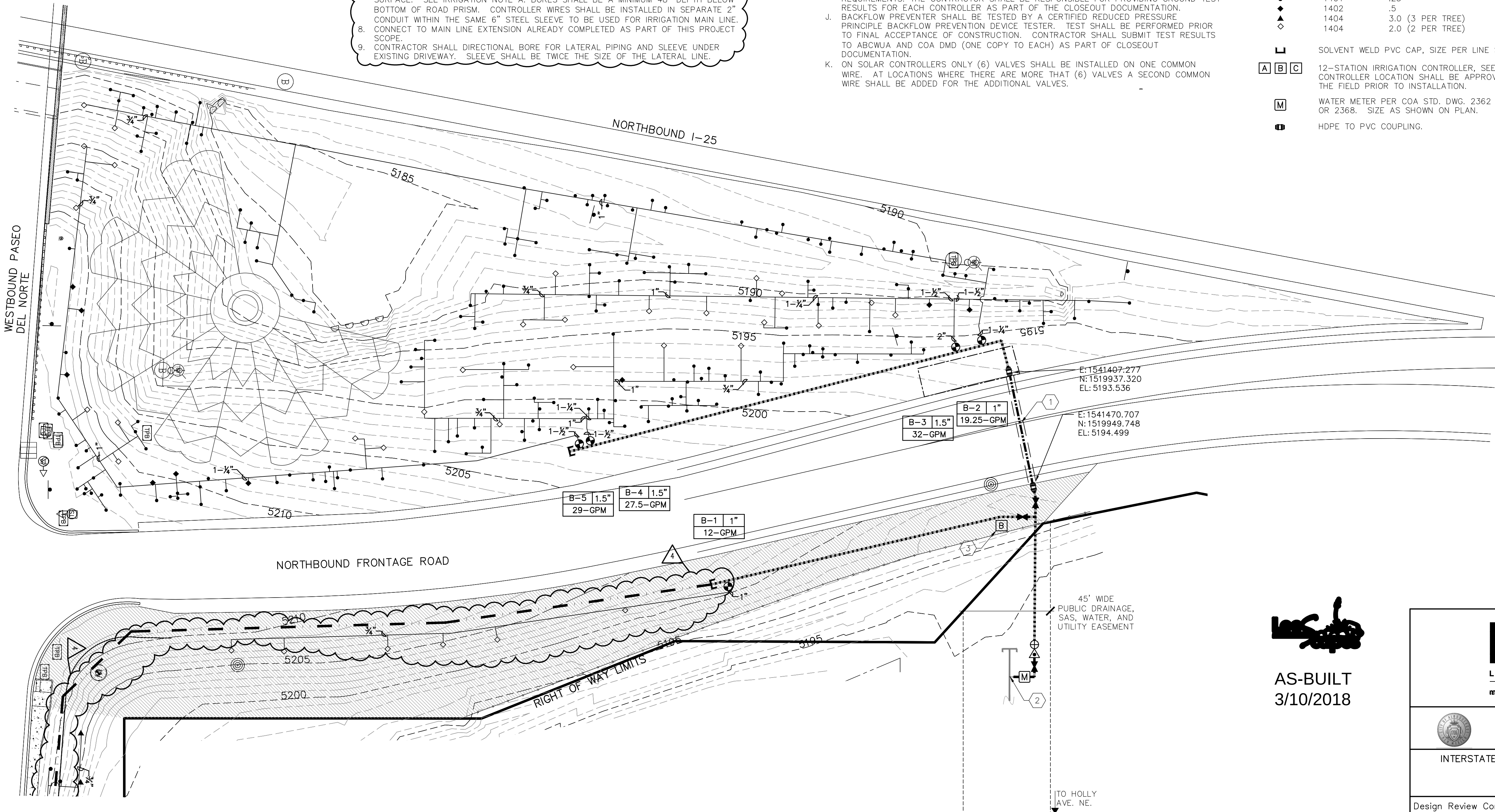
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IRRIGATION NOTES

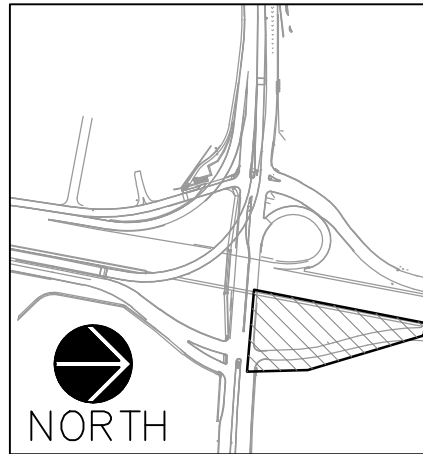
- A. SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS. WHERE NOT PROTECTED BY CONCRETE BARRIER WALLS, GUARD RAILS, OR OTHER SAFETY STRUCTURES, BORE PITS SHALL BE LOCATED OUTSIDE CLEAR ZONE. BORING THAT REQUIRES A LOCATOR OPERATING WITHIN THE ROADWAY SHALL BE PERFORMED ON A SUNDAY. CONTRACTOR SHALL INCLUDE BORING OPERATIONS ON TRAFFIC CONTROL PERMIT APPLICATIONS.
- B. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
- C. FOR PVC IRRIGATION PIPING AND EQUIPMENT REFERENCE COA SPECIFICATION SECTION 1001 - LANDSCAPE IRRIGATION SYSTEM.
- D. THE LOCATION AND SIZE OF IRRIGATION EQUIPMENT ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. THE LOCATION OF CONTROLLERS, PUMPS, BACKFLOW PREVENTERS, VALVES, ETC. SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD.
- E. THE LOCATION OF IRRIGATION MAIN AND LATERAL LINES ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. UNLESS OTHERWISE NOTED ON THE PLAN, ANY IRRIGATION LINES SHOWN IN HARDSCAPE AREAS IS FOR GRAPHIC CLARITY ONLY. IRRIGATION LINES SHALL BE LOCATED IN IMMEDIATELY ADJACENT LANDSCAPE AREAS.
- F. ALL VALVE BOXES SHALL BE TAN WITH TAN BOLT-DOWN LIDS.
- G. IRRIGATION SYSTEM WAS DESIGNED AT VARIOUS MINIMUM STATIC PRESSURES AT THE POINTS OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THAT THE ACTUAL PSI IS DIFFERENT THAN THAT USED FOR DESIGN PURPOSES, THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY.
- H. AIR RELEASE VALVE LOCATIONS ARE SHOWN SCHEMATICALLY ON THE PLAN AT HIGH POINTS IN ELEVATION. CONTRACTOR SHALL SURVEY FINAL LOCATIONS OF ALL AIR RELEASE VALVES PRIOR TO INSTALLATION TO ENSURE THAT THEY ARE LOCATED AT ACTUAL HIGH POINTS.
- I. THE IRRIGATION CONTROLLER MODEL IS NOTED IN THE LEGEND AND SHALL INCLUDE ALL COMPONENTS INCLUDING INTERSPEC ENCLOSURE, ANTENNAS, COMMUNICATIONS, STATION SWITCHES, PARTS, PIECES, AND COMPONENTS REQUIRED FOR PROPER INSTALLATION AND FUNCTION AS PER COA STANDARDS AND MANUFACTURER'S RECOMMENDATIONS. A RADIO SIGNAL COMMUNICATION TEST PRIOR TO INSTALLING ANY SATELLITE CONTROLLER WILL BE REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY ANTENNA AND COMMUNICATION UPGRADES IN THE EVENT THAT THE SATELLITE CONTROLLER REQUIRES IMPROVED COMMUNICATION. THE CONTRACTOR SHALL GROUND THE IRRIGATION CONTROLLER PER THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GROUND TEST RESULTS FOR EACH CONTROLLER AS PART OF THE CLOSEOUT DOCUMENTATION.
- J. BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE TESTER. TEST SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF CONSTRUCTION. CONTRACTOR SHALL SUBMIT TEST RESULTS TO ABCWUA AND COA DMD (ONE COPY TO EACH) AS PART OF CLOSEOUT DOCUMENTATION.
- K. ON SOLAR CONTROLLERS ONLY (6) VALVES SHALL BE INSTALLED ON ONE COMMON WIRE. AT LOCATIONS WHERE THERE ARE MORE THAN (6) VALVES A SECOND COMMON WIRE SHALL BE ADDED FOR THE ADDITIONAL VALVES.

IRRIGATION LEGEND

- IRRIGATION MAIN LINE, SCHEDULE 40, BELL END, SOLVENT WELD PVC, SIZE: 2". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE MAIN, 18" FOR NON-CONTINUOUS PRESSURE MAIN.
- IRRIGATION MAIN LINE, HIGH-DENSITY POLYETHYLENE (HDPE), INSTALLED AS CONTINUOUS PIPE SECTIONS WITHOUT FITTINGS UNDER PAVEMENT, SIZE: 2".
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE AS SHOWN ON PLAN, DEPTH OF BURY, 18". LATERAL PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".
- MAIN LINE SLEEVE PIPING, STEEL CASING. SEE IRRIGATION KEYED NOTE #1.
- LATERAL LINE SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SIZE: TWO PIPE SIZES LARGER THAN LINE BEING SLEEVED.
- REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD PEB SERIES, OR EQUAL, PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. SEE COA DWG. 2705.
- MANUAL ISOLATION VALVE ASSEMBLY, SPEARS SCH. 80 PVC BALL VALVE WITH UNIONS, SAME SIZE AS LINE. SEE COA DWG. 2707.
- BACKFLOW PREVENTER AND COMBINATION MASTER VALVE/FLOW METER ASSEMBLY. BACKFLOW PREVENTER SHALL BE FEBCO 825YA REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. COMBINATION MASTER VALVE/FLOW METER SHALL BE ARAD MASTER VALVE/FLOW METER. INSTALL PER DETAIL 2/LI501 (SIZE: 2").
- AIR RELEASE VALVE ASSEMBLY, CRISPIN A-20, SIZE 1". INSTALL PER COA DETAIL 2706. SEE IRRIGATION NOTE H.
- PRESSURE COMPENSATING BUBBLER AND CHECK VALVE ASSEMBLIES, RAIN BIRD 1400 SERIES BUBBLERS AND SPEARS S1101-5 SPRING CHECK VALVES. INSTALL AS FOLLOWS:
- | MODEL NO. | GPM | PSI | REFERENCE DETAIL(S) |
|-----------|------------------|-----|---------------------|
| 1401 | .25 | 30 | 5/LI501 |
| 1402 | .5 | 30 | 5/LI501 |
| 1404 | 3.0 (3 PER TREE) | 30 | 3/LI501 AND 5/LI501 |
| 1404 | 2.0 (2 PER TREE) | 30 | 4/LI501 AND 5/LI501 |
- SOLVENT WELD PVC CAP, SIZE PER LINE SIZE.
- 12-STATION IRRIGATION CONTROLLER, SEE IRRIGATION KEYED NOTE 3. CONTROLLER LOCATION SHALL BE APPROVED BY LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION.
- WATER METER PER COA STD. DWG. 2362 OR 2363 AND COA STD. DWG. 2367 OR 2368. SIZE AS SHOWN ON PLAN.
- HDPE TO PVC COUPLING.



KEY MAP



AS-BUILT
3/10/2018

MRWM
LANDSCAPE ARCHITECTS
mrwmla.com 505 268 2266



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTAL DEVELOPMENT
DEPARTMENT OF MUNICIPAL DEVELOPMENT

INTERSTATE 25/PASEO DEL NORTE INTERCHANGE LANDSCAPE IMPROVEMENTS
NORTHEAST QUADRANT IRRIGATION PLAN

Design Review Committee

City Engineer Approval

Mo./Day/Yr.

Mo./Day/Yr.

Last Design Update

City Project No.
800292

Zone Map No.
C18, D18

Sheet
L1104

A NORTHEAST QUADRANT IRRIGATION PLAN

SCALE: 1"=30'-0"

0 30' 60'



100% FOR CONSTRUCTION
DATE: APRIL 5, 2017

INTERSTATE 25/PASEO DEL NORTE
INTERCHANGE LANDSCAPE IMPROVEMENTS

PROJECT# 800292

RECORD DRAWINGS
DATE: MARCH 10, 2018

IRRIGATION NOTES (CONTINUED)

- L. CONTRACTOR SHALL NOT TRENCH WITHIN THE DRIPLINE OF EXISTING TREES. AT LOCATIONS WHERE IT IS NECESSARY TO TRENCH WITHIN DRIPLINE TO INSTALL IRRIGATION LINES THE TRENCHING SHALL BE DONE BE HAND. NO ROOT 1" OR LARGER SHALL BE CUT.
- M. FOR CONTROLLER 'B' CONTRACTOR SHALL ADD AN ADDITIONAL MODULE TO HAVE THE REQUIRED AMOUNT OF STATIONS NEEDED.

IRRIGATION KEY NOTES

1. CONTRACTOR SHALL JACK AND BORE UNDER ROADWAY AND INSTALL SLEEVING FOR MAIN LINE PIPING, CONTROL WIRES, AND FUTURE LIGHTING WIRING. MAIN LINE SLEEVES UNDER ROADWAY SHALL BE STEEL, 6" DIAMETER, AND SHALL EXTEND A MINIMUM OF 4' BEYOND ADJACENT PAVED SURFACE. SEE IRRIGATION NOTE A. BORES SHALL BE A MINIMUM 48" DEPTH BELOW BOTTOM OF ROAD PRISM. CONTROLLER WIRES SHALL BE INSTALLED IN SEPARATE 2" CONDUIT WITHIN THE SAME 6" STEEL SLEEVE TO BE USED FOR IRRIGATION MAIN LINE. AN ADDITIONAL 1" ELECTRICAL CONDUIT SHALL ALSO BE INSTALLED WITHIN THE 6" STEEL SLEEVE.
2. CONNECT TO EXISTING 8" PVC WATER LINE.
3. FURNISH AND INSTALL IRRINET M MODEL #IS-R1D-RU-SO DC CONTROLLER WITH 12 STATION OUTPUTS, 4 INPUTS, UHF HI POWER RADIO W/TRANSFORMER AND ANTENNA. INSTALL IN UL RATED INTERSPEC SOLAR PEDESTAL PER DETAIL 1/LI501. ENCLOSURE SHALL BE POWDER COATED, COLOR TAN. SEE ALSO IRRIGATION NOTE K.
4. INSTALL VALVE AND CONNECT TO EXISTING 3/4" PVC MAIN LINE AND IRRIGATION CONTROL WIRES. VALVE WILL BE OPERATED BY IRRIGATION CONTROLLER AT ADJACENT PROPERTY.
5. INSTALL BUBBLERS WITHIN LIMITS SHOWN PER DETAIL 5/LI501, SIMILAR. OMIT IN-LINE CHECK VALVE.
6. EXTEND 2" SCHEDULE 40, SOLVENT WELD PVC MAIN LINE TO PASEO DEL NORTE AND RUN (7) CONTROL WIRES AND (1) COMMON WIRE TO A 12" BY 18" VALVE BOX FOR FUTURE USE.
7. CONTRACTOR SHALL DIRECTIONALLY BORE UNDER ROADWAY AND INSTALL SLEEVING FOR MAIN LINE PIPING AND CONTROL WIRES. MAIN LINE SLEEVES UNDER ROADWAY SHALL BE STEEL, 6" DIAMETER, AND SHALL EXTEND A MINIMUM OF 4' BEYOND ADJACENT PAVED SURFACE. SEE IRRIGATION NOTE A. BORES SHALL BE A MINIMUM 48" DEPTH BELOW BOTTOM OF ROAD PRISM. CONTROLLER WIRES SHALL BE INSTALLED IN SEPARATE 2" CONDUIT WITHIN THE SAME 6" STEEL SLEEVE TO BE USED FOR IRRIGATION MAIN LINE.
8. CONNECT TO MAIN LINE EXTENSION ALREADY COMPLETED AS PART OF THIS PROJECT SCOPE.
9. CONTRACTOR SHALL DIRECTIONAL BORE FOR LATERAL PIPING AND SLEEVE UNDER EXISTING DRIVEWAY. SLEEVE SHALL BE TWICE THE SIZE OF THE LATERAL LINE.

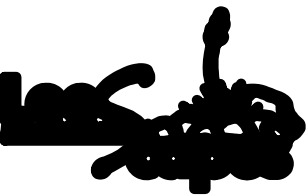
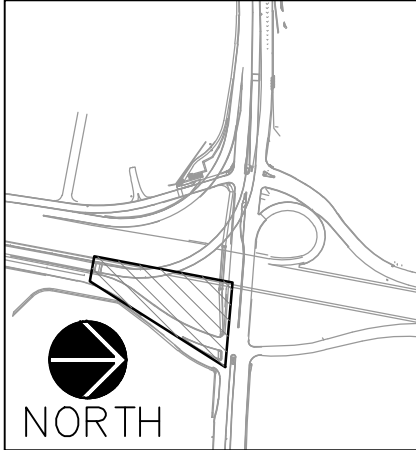
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- WATER METER PER COA STD. DWG. 2362 OR 2363 AND COA STD. DWG. 2367 OR 2368. SIZE AS SHOWN ON PLAN.
- HDPE TO PVC COUPLING.

IRRIGATION NOTES

- A. SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS. WHERE NOT PROTECTED BY CONCRETE BARRIER WALLS, GUARD RAILS, OR OTHER SAFETY STRUCTURES, BORE PITS SHALL BE LOCATED OUTSIDE CLEAR ZONE. BORING THAT REQUIRES A LOCATOR OPERATING WITHIN THE ROADWAY SHALL BE PERFORMED ON A SUNDAY. CONTRACTOR SHALL INCLUDE BORING OPERATIONS ON TRAFFIC CONTROL PERMIT APPLICATIONS.
- B. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
- C. FOR PVC IRRIGATION PIPING AND EQUIPMENT REFERENCE COA SPECIFICATION SECTION 1001 - LANDSCAPE IRRIGATION SYSTEM.
- D. THE LOCATION AND SIZE OF IRRIGATION EQUIPMENT ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. THE LOCATION OF CONTROLLERS, PUMPS, BACKFLOW PREVENTERS, VALVES, ETC. SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD.
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- F. ALL VALVE BOXES SHALL BE TAN WITH TAN BOLT-DOWN LIDS.
- G. IRRIGATION SYSTEM WAS DESIGNED AT VARIOUS MINIMUM STATIC PRESSURES AT THE POINTS OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THAT THE ACTUAL PSI IS DIFFERENT THAN THAT USED FOR DESIGN PURPOSES, THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY.
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- J. BACKFLOW PREVENTER SHALL BE TESTED BY A CERTIFIED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE TESTER. TEST SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE OF CONSTRUCTION. CONTRACTOR SHALL SUBMIT TEST RESULTS TO ABCWUA AND COA DMD (ONE COPY TO EACH) AS PART OF CLOSEOUT DOCUMENTATION.
- K. ON SOLAR CONTROLLERS ONLY (6) VALVES SHALL BE INSTALLED ON ONE COMMON WIRE. AT LOCATIONS WHERE THERE ARE MORE THAN (6) VALVES A SECOND COMMON WIRE SHALL BE ADDED FOR THE ADDITIONAL VALVES.

KEY MAP



AS-BUILT
3/10/2018

MRWM
LANDSCAPE ARCHITECTS
mrwmia.com 505 268 2266



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTAL DEVELOPMENT
DEPARTMENT OF MUNICIPAL DEVELOPMENT

INTERSTATE 25/PASEO DEL NORTE INTERCHANGE LANDSCAPE IMPROVEMENTS
SOUTHEAST QUADRANT IRRIGATION PLAN

Design Review Committee

City Engineer Approval

Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.
800292

Zone Map No.
C18, D18

Sheet
L1105

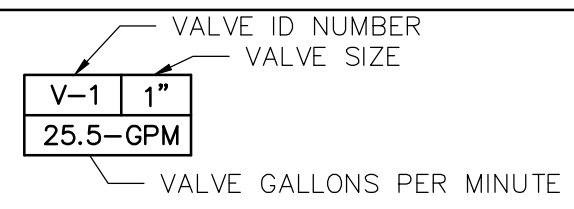
RECORD DRAWINGS
DATE: MARCH 10, 2018

PROJECT# 800292

INTERSTATE 25/PASEO DEL NORTE
INTERCHANGE LANDSCAPE IMPROVEMENTS

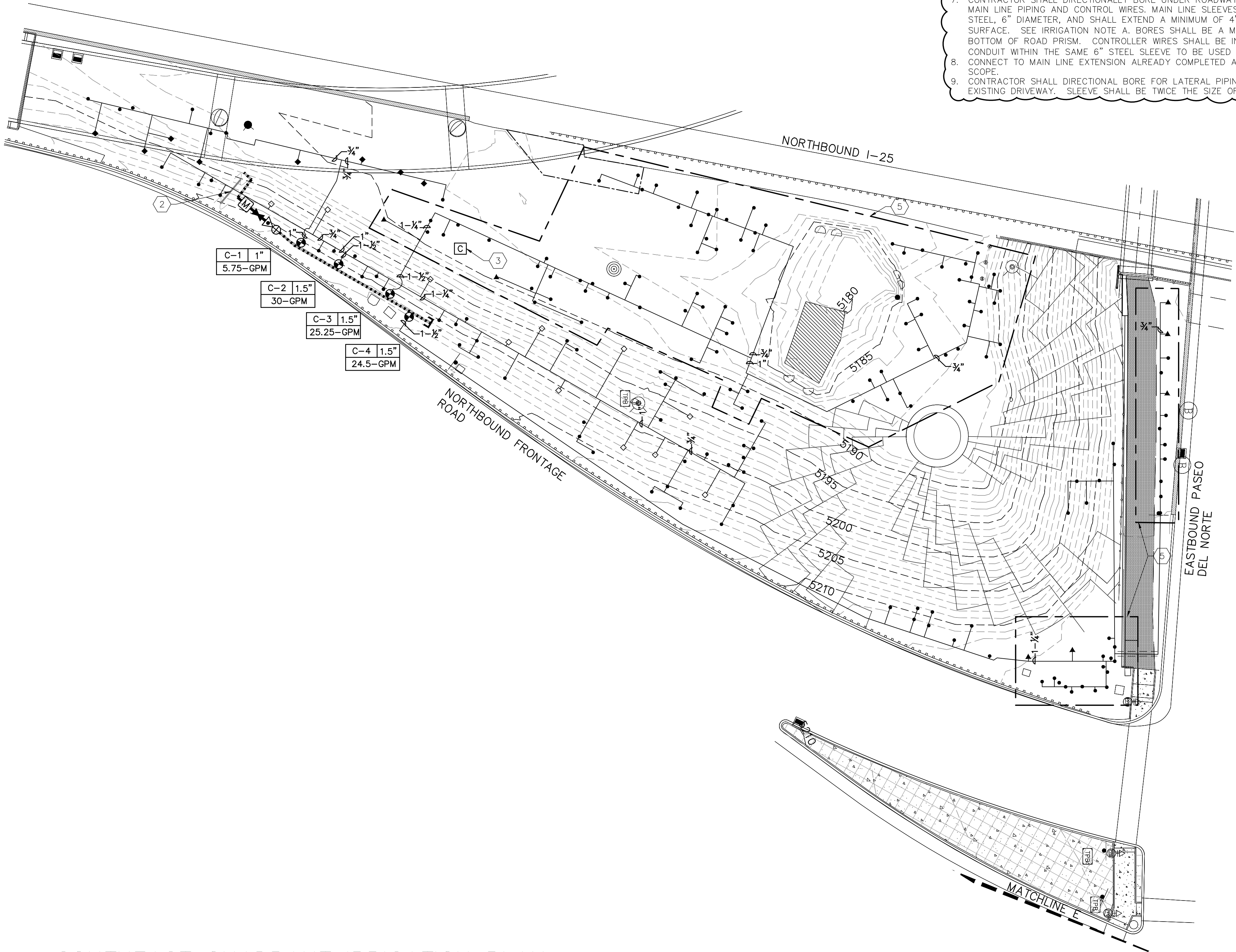
100% FOR CONSTRUCTION
DATE: APRIL 5, 2017

VALVE ID KEY



LINETYPE LEGEND

- EXISTING GUARDRAIL
- EXISTING CONCRETE WALL BARRIER
- EXISTING EDGE OF DRIVE LANE
- APPROXIMATE RIGHT OF WAY LIMITS
- EXISTING FENCE



0 30' 60'



A SOUTHEAST QUADRANT IRRIGATION PLAN

SCALE: 1"=30'-0"

VALVE ID KEY

V-1

25.5-GPM

1"

VALVE ID NUMBER

VALVE SIZE

VALVE GALLONS PER MINUTE

LINETYPE LEGEND

	EXISTING GUARDRAIL
	EXISTING CONCRETE WALL BARRIER
	EXISTING EDGE OF DRIVE LANE
	APPROXIMATE RIGHT OF WAY LIMITS
	EXISTING FENCE

IRRIGATION LEGEND

IRRIGATION NOTES

- A. SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS: WHERE NOT PROTECTED BY CONCRETE BARRIER WALLS, GUARD RAILS, OR OTHER SAFETY STRUCTURES, BORE PITS SHALL BE LOCATED OUTSIDE CLEAR ZONE, BORING THAT REQUIRES A LOCATOR OPERATING WITHIN THE ROADWAY SHALL BE PERFORMED ON A SUNDAY. CONTRACTOR SHALL INCLUDE BORING OPERATIONS ON TRAFFIC CONTROL PERMIT APPLICATIONS.
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- F. ALL VALVE BOXES SHALL BE TAN WITH TAN BOLT-DOWN LIDS.

PASEO MEDIAN IRRIGATION PLAN

SCALE: 1"=30'-0"

IRRIGATION NOTES (CONTINUED)

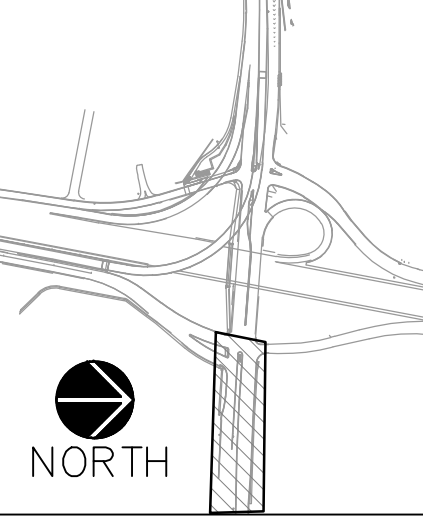
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- L. CONTRACTOR SHALL NOT TRENCH WITHIN THE DRIPLINE OF EXISTING TREES. AT LOCATIONS WHERE IT IS NECESSARY TO TRENCH WITHIN DRIPLINE TO INSTALL IRRIGATION LINES THE TRENCHING SHALL BE DONE BY HAND. NO ROOT 1" OR LARGER SHALL BE CUT.
- M. FOR CONTROLLER 'B' CONTRACTOR SHALL ADD AN ADDITIONAL MODULE TO HAVE THE REQUIRED AMOUNT OF STATIONS NEEDED.

IRRIGATION KEY NOTES

1. CONTRACTOR SHALL JACK AND BORE UNDER ROADWAY AND INSTALL SLEEVING FOR MAIN LINE PIPING, CONTROL WIRES, AND FUTURE LIGHTING WIRING. MAIN LINE SLEEVES UNDER ROADWAY SHALL BE STEEL, 6" DIAMETER, AND SHALL EXTEND A MINIMUM OF 4' BEYOND ADJACENT PAVED SURFACE. SEE IRRIGATION NOTE A. BORES SHALL BE A MINIMUM 48" DEPTH BELOW BOTTOM OF ROAD PRISM. CONTROLLER WIRES SHALL BE INSTALLED IN SEPARATE 2" CONDUIT WITHIN THE SAME 6" STEEL SLEEVE TO BE USED FOR IRRIGATION MAIN LINE. AN ADDITIONAL 1" ELECTRICAL CONDUIT SHALL ALSO BE INSTALLED WITHIN THE 6" STEEL SLEEVE.
2. CONNECT TO EXISTING 8" PVC WATER LINE.
3. FURNISH AND INSTALL IRRINET M MODEL #S-RID-RU-SO DC CONTROLLER WITH 12 STATION OUTPUTS, 4 INPUTS, UHF HI POWER RADIO W/TRANSFORMER AND ANTENNA. INSTALL IN UL RATED INTERSPEC SOLAR PEDESTAL PER DETAIL 1/LI501. ENCLOSURE SHALL BE POWDER COATED, COLOR TAN. SEE ALSO IRRIGATION NOTE K.
4. INSTALL VALVE AND CONNECT TO EXISTING 3/4" PVC MAIN LINE AND IRRIGATION CONTROL WIRES. VALVE WILL BE OPERATED BY IRRIGATION CONTROLLER AT ADJACENT PROPERTY.
5. INSTALL BUBBLERS WITHIN LIMITS SHOWN PER DETAIL 5/LI501, SIMILAR. OMIT IN-LINE CHECK VALVE.
6. EXTEND 2", SCHEDULE 40, SOLVENT WELD PVC MAIN LINE TO PASEO DEL NORTE AND RUN (7) CONTROL WIRES AND (1) COMMON WIRE TO A 12" BY 18" VALVE BOX FOR FUTURE USE.
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8. CONNECT TO MAIN LINE EXTENSION ALREADY COMPLETED AS PART OF THIS PROJECT SCOPE.
9. CONTRACTOR SHALL DIRECTIONAL BORE FOR LATERAL PIPING AND SLEEVE UNDER EXISTING DRIVEWAY. SLEEVE SHALL BE TWICE THE SIZE OF THE LATERAL LINE.

AS-BUILT
3/10/2018

KEY MAP



MRWM
LANDSCAPE ARCHITECTS
mrwmla.com 505 268 2266

CITY OF ALBUQUERQUE CAPITAL IMPLEMENTAL DEVELOPMENT DEPARTMENT OF MUNICIPAL DEVELOPMENT			
INTERSTATE 25/PASEO DEL NORTE INTERCHANGE LANDSCAPE IMPROVEMENTS			
PASEO MEDIAN IRRIGATION PLAN			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 800292		Zone Map No. C18, D18	Sheet L1106