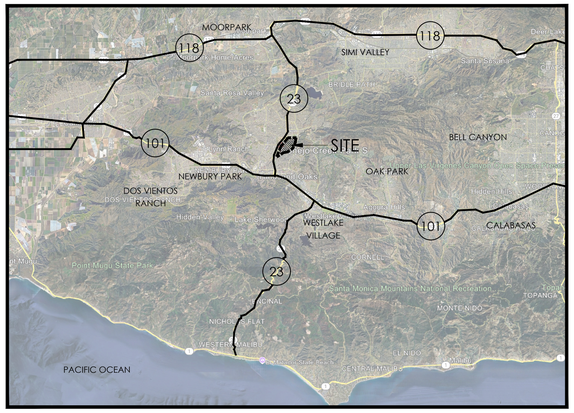
IRRIGATION IMPROVEMENT PLANS FOR:

# CONEJO CREEK SOUTH PARK - SOCCER & PLAY FIELDS

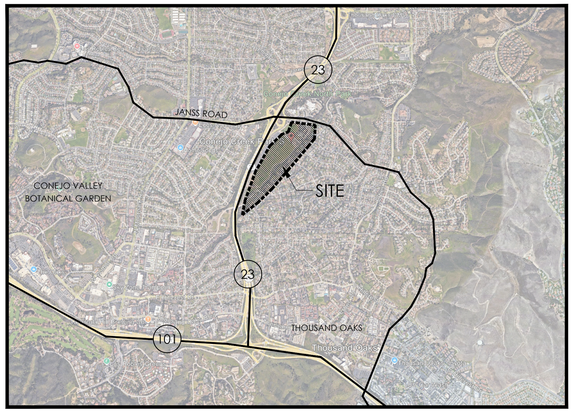
COUNTY OF VENTURA

1300 EAST JANSS ROAD
THOUSAND OAKS, CA. 91362

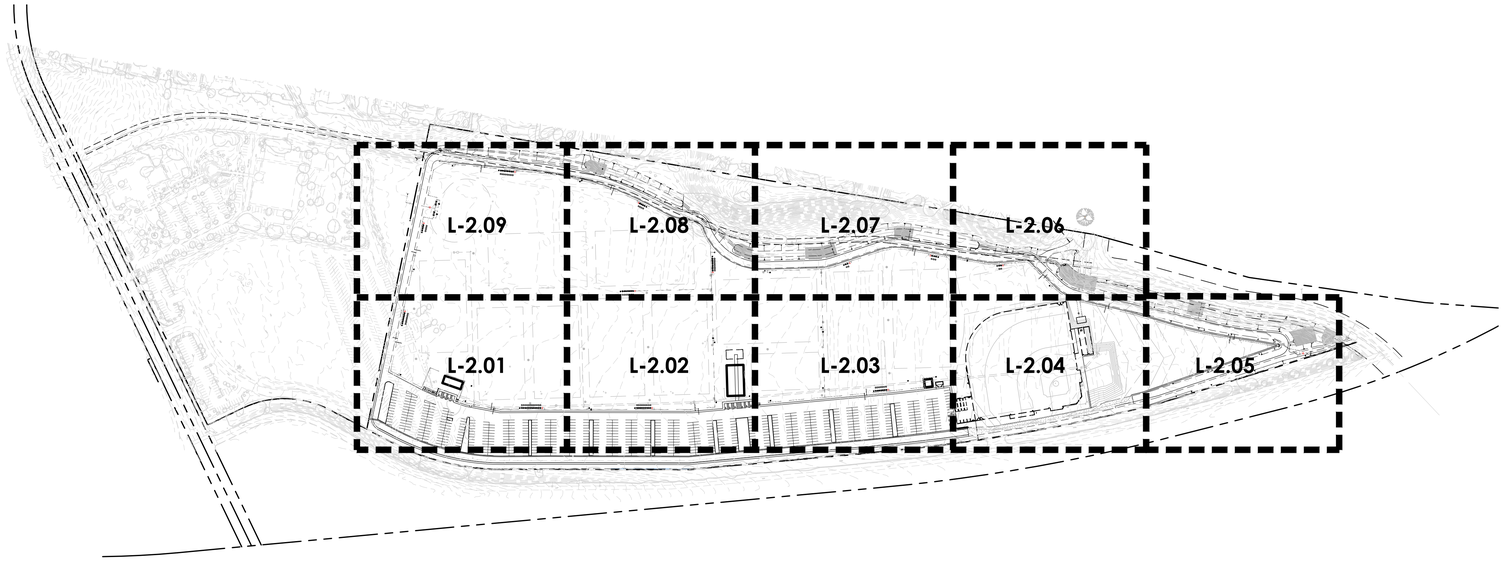
## REGIONAL CONTEXT MAP N.T.S.




## VICINITY MAP N.T.S.




## SITE & SHEETS KEY MAP 1" = 200'-0"

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## DESIGN TEAM


CONEJO RECREATION & PARK DISTRICT:
403 W. HILLCREST DRIVE
THOUSAND OAKS, CA. 91360

CONTACT: TABITHA MCATEE
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LANDSCAPE ARCHITECT:
CVA DESIGN CONSULTANTS, INC.
3639 HARBOR BLVD. SUITE 202
VENTURA, CALIFORNIA 93003

CONTACT: JORDAN CRYSTAL
PHONE: (805) 232-5218
EMAIL: JCRYSTAL@CVADESIGNCONSULTANTS.COM


| SYMBOLS & ABBREVIATIONS | |
|---|---|
| P.A. | PLANTER AREA |
| TYP. | TYPICAL |
| CP | CENTER POINT |
| CL | CENTER LINE |
| P.U.E. | PUBLIC UTILITY EASEMENT |
| S.S.E. | SANITARY SEWER EASEMENT |
| R.O.W. | RIGHT OF WAY |
| | ALIGN |
| X-X | CALL OUTS |


cva design consultants
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CLIENT:
Conejo Recreation & Park District

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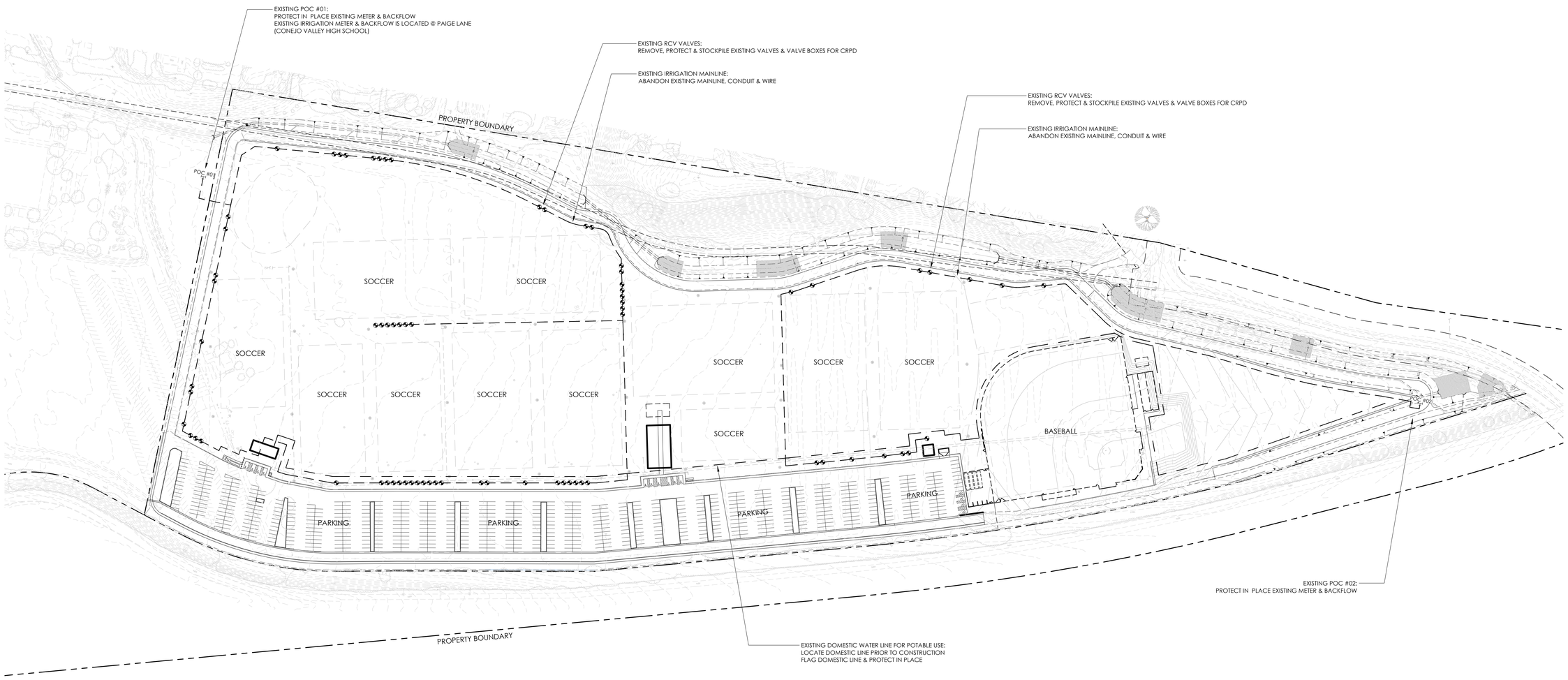
| NOTES: | DATE: |
|---|---|
| DESIGN REVIEW | 10/08/2025 |
| DESIGN REVIEW | 12/16/2025 |
| FINAL REVIEW | 03/02/2026 |
| CONSTRUCTION SET | 03/20/2026 |
| CONSTRUCTION SET | 06/26/2026 |

Jordan T. Crystal
Signature
NOV. 30, 2028
Renewal Date
JUNE 26, 2026
Date
STATE OF CALIFORNIA

SHEET TITLE:
COVER SHEET

| | |
|---|---|
| DATE: | 06/26/2026 |
| SCALE: | NA |
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |

SHEET:
L-1.01




## DEMOLITION NOTES:

1. MEET ONSITE WITH CRPD & PRIOR TO CONSTRUCTION, CONFIRM EXISTING IRRIGATION EQUIPMENT TO BE ABANDONED, REMOVED & RECYCLED
2. IDENTIFY, FLAG & AVOID CONSTRUCTION CONFLICTS WITH EXISTING UTILITIES, EXISTING STRUCTURES, EXISTING TREES AND ROOTS
3. REMOVE ALL EXISTING VALVES & VALVE EQUIPMENT (RCV VALVES, GATE VALVES, BALL VALVES, QUICK COUPLERS, WIRE BUNDLES & VALVE BOXES)
4. COORDINATE EXISTING MATERIAL & EQUIPMENT TO BE RECYCLED WITH CRPD
5. DISPOSE OF REMAINING EXISTING MATERIAL & EQUIPMENT OFFSITE
6. EXISTING IRRIGATION MAINLINE SHALL BE ABANDONED

NORTH

SCALE: 1" = 100'-0"

0' 25' 50' 75' 100' 150' 200' 300'

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JORDAN T. CRYSTAL
Jordan T. Crystal
Signature
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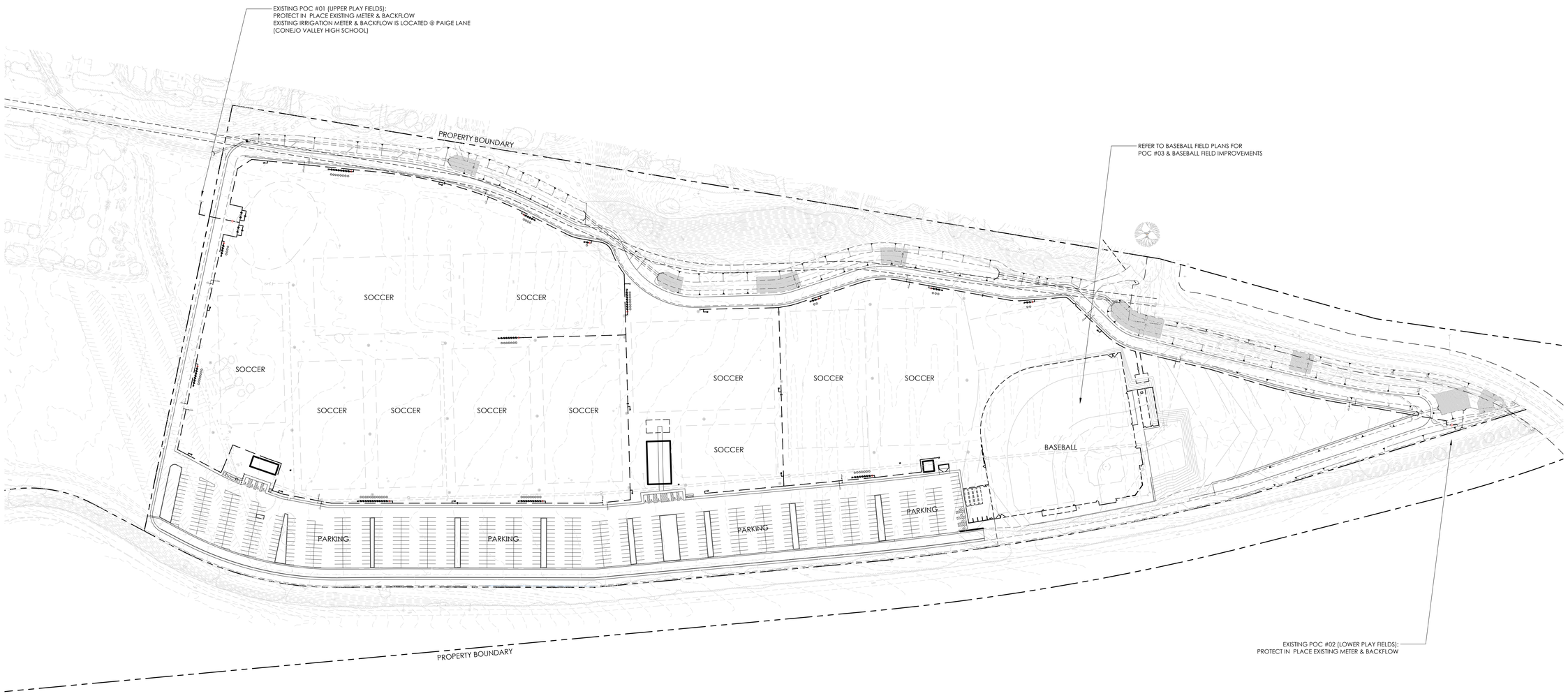
STATE OF CALIFORNIA

SHEET TITLE:
IRRIGATION
DEMOLITION PLAN

| | |
|---|---|
| DATE: | 06/26/2026 |
| SCALE: | 1" = 100'-0" |
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |

SHEET:

**L-1.02**




NORTH

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STATE OF CALIFORNIA

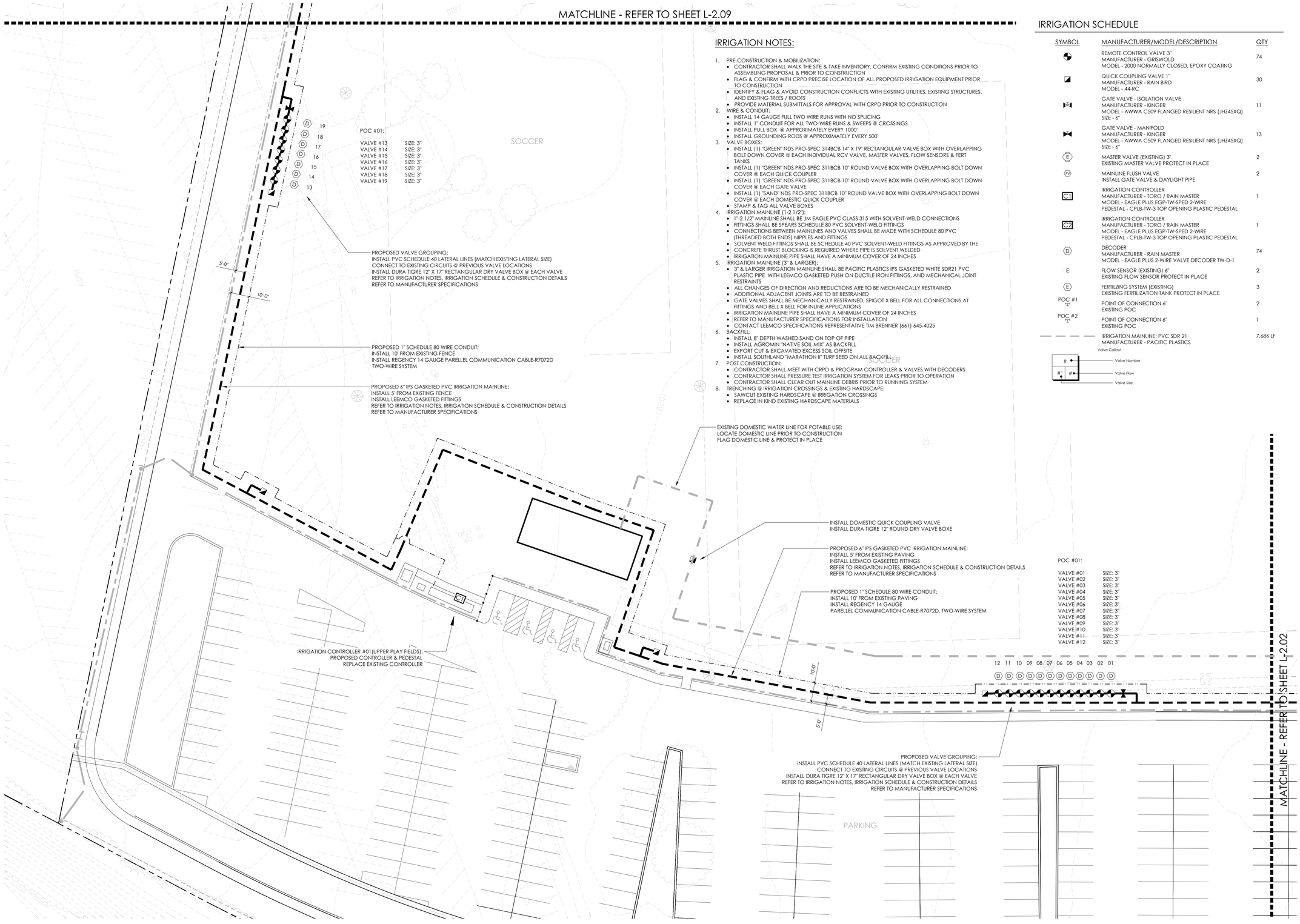
SHEET TITLE:
IRRIGATION
SITE PLAN

| | |
|---|---|
| DATE: | 06/26/2026 |
| SCALE: | 1" = 100'-0" |
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |

SHEET:

**L-1.03**

MATCHLINE - REFER TO SHEET L-2.09




## IRRIGATION NOTES:

1. PRE-CONSTRUCTION & MOBILIZATION:
   - CONTRACTOR SHALL WALK THE SITE & TAKE INVENTORY, CONFIRM EXISTING CONDITIONS PRIOR TO ASSEMBLING PROPOSAL & PRIOR TO CONSTRUCTION
   - FLAG & CONFIRM WITH CRPD PRECISE LOCATION OF ALL PROPOSED IRRIGATION EQUIPMENT PRIOR TO CONSTRUCTION
   - IDENTIFY & FLAG & AVOID CONSTRUCTION CONFLICTS WITH EXISTING UTILITIES, EXISTING STRUCTURES, AND EXISTING TREES / ROOTS
   - PROVIDE MATERIAL SUBMITTALS FOR APPROVAL WITH CRPD PRIOR TO CONSTRUCTION
2. WIRE & CONDUIT:
   - INSTALL 14 GAUGE FULL TWO WIRE RUNS WITH NO SPLICING
   - INSTALL 1" CONDUIT FOR ALL TWO-WIRE RUNS & SWEEPS @ CROSSINGS
   - INSTALL PULL BOX @ APPROXIMATELY EVERY 1000'
   - INSTALL GROUNDING RODS @ APPROXIMATELY EVERY 500'
3. VALVE BOXES:
   - INSTALL (1) "GREEN" NDS PRO-SPEC 314BCB 14" X 19" RECTANGULAR VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH INDIVIDUAL RCV VALVE, MASTER VALVES, FLOW SENSORS & FERT TANKS
   - INSTALL (1) "GREEN" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH QUICK COUPLER
   - INSTALL (1) "GREEN" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH GATE VALVE
   - INSTALL (1) "SAND" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH DOMESTIC QUICK COUPLER
   - STAMP & TAG ALL VALVE BOXES
4. IRRIGATION MAINLINE (1-2 1/2"):
   - 1"-2 1/2" MAINLINE SHALL BE JM EAGLE PVC CLASS 315 WITH SOLVENT-WELD CONNECTIONS
   - FITTINGS SHALL BE SPEARS SCHEDULE 80 PVC SOLVENT-WELD FITTINGS
   - CONNECTIONS BETWEEN MAINLINES AND VALVES SHALL BE MADE WITH SCHEDULE 80 PVC (THREADED BOTH ENDS) NIPPLES AND FITTINGS
   - SOLVENT WELD FITTINGS SHALL BE SCHEDULE 40 PVC SOLVENT-WELD FITTINGS AS APPROVED BY THE
   - CONCRETE THRUST BLOCKING IS REQUIRED WHERE PIPE IS SOLVENT WELDED
   - IRRIGATION MAINLINE PIPE SHALL HAVE A MINIMUM COVER OF 24 INCHES
5. IRRIGATION MAINLINE (3" & LARGER):
   - 3" & LARGER IRRIGATION MAINLINE SHALL BE PACIFIC PLASTICS IPS GASKETED WHITE SDR21 PVC PLASTIC PIPE WITH LEEMCO GASKETED PUSH ON DUCTILE IRON FITTINGS, AND MECHANICAL JOINT RESTRAINTS
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   - ADDITIONAL ADJACENT JOINTS ARE TO BE RESTRAINED
   - GATE VALVES SHALL BE MECHANICALLY RESTRAINED, SPIGOT X BELL FOR ALL CONNECTIONS AT FITTINGS AND BELL X BELL FOR INLINE APPLICATIONS
   - IRRIGATION MAINLINE PIPE SHALL HAVE A MINIMUM COVER OF 24 INCHES
   - REFER TO MANUFACTURER SPECIFICATIONS FOR INSTALLATION
   - CONTACT LEEMCO SPECIFICATIONS REPRESENTATIVE TIM BRENNER (661) 645-4025
6. BACKFILL:
   - INSTALL 8" DEPTH WASHED SAND ON TOP OF PIPE
   - INSTALL AGROMIN "NATIVE SOIL MIX" AS BACKFILL
   - EXPORT CUT & EXCAVATED EXCESS SOIL OFFSITE
   - INSTALL SOUTHLAND "MARATHON II" TURF SEED ON ALL BACKFILL
7. POST CONSTRUCTION:
   - CONTRACTOR SHALL MEET WITH CRPD & PROGRAM CONTROLLER & VALVES WITH DECODERS
   - CONTRACTOR SHALL PRESSURE TEST IRRIGATION SYSTEM FOR LEAKS PRIOR TO OPERATION
   - CONTRACTOR SHALL CLEAR OUT MAINLINE DEBRIS PRIOR TO RUNNING SYSTEM
8. TRENCHING @ IRRIGATION CROSSINGS & EXISTING HARDSCAPE:
   - SAWCUT EXISTING HARDSCAPE @ IRRIGATION CROSSINGS
   - REPLACE IN KIND EXISTING HARDSCAPE MATERIALS

## IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|---|---|---|
| | REMOTE CONTROL VALVE 3"<br>MANUFACTURER - GRISWOLD<br>MODEL - 2000 NORMALLY CLOSED, EPOXY COATING | 74 |
| | QUICK COUPLING VALVE 1"<br>MANUFACTURER - RAIN BIRD<br>MODEL - 44-RC | 30 |
| | GATE VALVE - ISOLATION VALVE<br>MANUFACTURER - KINGER<br>MODEL - AWWA C509 FLANGED RESILIENT NRS (JHZ45XQ)<br>SIZE - 6" | 11 |
| | GATE VALVE - MANIFOLD<br>MANUFACTURER - KINGER<br>MODEL - AWWA C509 FLANGED RESILIENT NRS (JHZ45XQ)<br>SIZE - 6" | 13 |
| E | MASTER VALVE (EXISTING) 3"<br>EXISTING MASTER VALVE PROTECT IN PLACE | 2 |
| MV | MAINLINE FLUSH VALVE<br>INSTALL GATE VALVE & DAYLIGHT PIPE | 2 |
| C1 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
| C2 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
| D | DECODER<br>MANUFACTURER - RAIN MASTER<br>MODEL - EAGLE PLUS 2-WIRE VALVE DECODER TW-D-1 | 74 |
| E | FLOW SENSOR (EXISTING) 6"<br>EXISTING FLOW SENSOR PROTECT IN PLACE | 2 |
| E | FERTILZING SYSTEM (EXISTING)<br>EXISTING FERTILIZATION TANK PROTECT IN PLACE | 3 |
| POC #1 | POINT OF CONNECTION 6"<br>EXISTING POC | 2 |
| POC #2 | POINT OF CONNECTION 6"<br>EXISTING POC | 1 |
| | IRRIGATION MAINLINE: PVC SDR 21<br>MANUFACTURER - PACIFIC PLASTICS | 7,686 LF |

Valve Callout
Valve Number
Valve Flow
Valve Size

SCALE: 1" = 20'-0"

NORTH

0' 5' 10' 15' 20' 30' 40' 60'


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SHEET TITLE:
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SCALE: 1" = 20'-0"
DRAWN BY: JC
JOB NUMBER: C-20250829-01
SHEET:

L-2.01

MATCHLINE - REFER TO SHEET L-2.01

MATCHLINE - REFER TO SHEET L-2.08

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8. TRENCHING @ IRRIGATION CROSSINGS & EXISTING HARDSCAPE:
   - SAWCUT EXISTING HARDSCAPE @ IRRIGATION CROSSINGS
   - REPLACE IN KIND EXISTING HARDSCAPE MATERIALS

SOCCER

SOCCER

FUTURE
PLAY STRUCTURE
SITE

EXISTING
BUILDING

PROPOSED 6" IPS GASKETED PVC IRRIGATION MAINLINE:
INSTALL CENTERED BETWEEN SOCCER FIELDS
INSTALL LEEMCO GASKETED FITTINGS
REFER TO IRRIGATION NOTES, IRRIGATION SCHEDULE & CONSTRUCTION DETAILS
REFER TO MANUFACTURER SPECIFICATIONS

PROPOSED 1" SCHEDULE 80 WIRE CONDUIT:
INSTALL 10' FROM EXISTING PAVING
INSTALL REGENCY 14 GAUGE
PARELLEL COMMUNICATION CABLE-R7072D, TWO-WIRE SYSTEM

PROPOSED VALVE GROUPING:
INSTALL PVC SCHEDULE 40 LATERAL LINES (MATCH EXISTING LATERAL SIZE)
CONNECT TO EXISTING CIRCUITS @ PREVIOUS VALVE LOCATIONS
INSTALL DURA TIGRE 12" X 17" RECTANGULAR DRY VALVE BOX @ EACH VALVE
REFER TO IRRIGATION NOTES, IRRIGATION SCHEDULE & CONSTRUCTION DETAILS
REFER TO MANUFACTURER SPECIFICATIONS

POC #01:

| | |
|---|---|
| VALVE #52 | SIZE: 3" |
| VALVE #53 | SIZE: 3" |
| VALVE #54 | SIZE: 3" |
| VALVE #55 | SIZE: 3" |
| VALVE #56 | SIZE: 3" |
| VALVE #57 | SIZE: 3" |
| VALVE #58 | SIZE: 3" |
| VALVE #59 | SIZE: 3" |
| VALVE #60 | SIZE: 3" |

EXISTING DOMESTIC WATER LINE FOR POTABLE USE:
LOCATE DOMESTIC LINE PRIOR TO CONSTRUCTION
FLAG DOMESTIC LINE & PROTECT IN PLACE

INSTALL DOMESTIC QUICK COUPLING VALVE
INSTALL DURA TIGRE 12" ROUND DRY VALVE BOXE

60 59 58 57 56 55 54 53 52

10'-0"

5'-0"

PARKING

NORTH

SCALE: 1" = 20'-0"

0' 5' 10' 15' 20' 30' 40' 60'


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| NOTES: | DATE: |
|---|---|
| DESIGN REVIEW | 10/08/2025 |
| DESIGN REVIEW | 12/16/2025 |
| FINAL REVIEW | 03/02/2026 |
| CONSTRUCTION SET | 03/20/2026 |
| CONSTRUCTION SET | 06/26/2026 |

LICENSED LANDSCAPE ARCHITECT
JORDAN T. CRYSTAL
Signature
NOV. 30, 2028
Renewal Date
JUNE 24, 2026
Date
STATE OF CALIFORNIA

SHEET TITLE:
IRRIGATION PLAN

DATE: 06/26/2026
SCALE: 1" = 20'-0"
DRAWN BY: JC
JOB NUMBER: C-20250829-01
SHEET:

**L-2.02**

MATCHLINE - REFER TO SHEET L-2.07

MATCHLINE - REFER TO SHEET L-2.02

MATCHLINE - REFER TO SHEET L-2.04

SOCCER

SOCCER

SOCCER

PARKING

PARKING

EXISTING BUILDING

(805)

(805)

(805)

PROPOSED 6" IPS GASKETED PVC IRRIGATION MAINLINE:
INSTALL CENTERED BETWEEN SOCCER FIELDS
INSTALL LEEMCO GASKETED FITTINGS
REFER TO IRRIGATION NOTES, IRRIGATION SCHEDULE & CONSTRUCTION DETAILS
REFER TO MANUFACTURER SPECIFICATIONS

PROPOSED 1" SCHEDULE 80 WIRE CONDUIT:
INSTALL 10' FROM EXISTING PAVING
INSTALL REGENCY 14 GAUGE
PARELLEL COMMUNICATION CABLE-R7072D, TWO-WIRE SYSTEM

EXISTING DOMESTIC WATER LINE FOR POTABLE USE:
LOCATE DOMESTIC LINE PRIOR TO CONSTRUCTION
FLAG DOMESTIC LINE & PROTECT IN PLACE

INSTALL DOMESTIC QUICK COUPLING VALVE
INSTALL DURA TIGRE 12" ROUND DRY VALVE BOXE

PROPOSED VALVE GROUPING:
INSTALL PVC SCHEDULE 40 LATERAL LINES (MATCH EXISTING LATERAL SIZE)
CONNECT TO EXISTING CIRCUITS @ PREVIOUS VALVE LOCATIONS
INSTALL DURA TIGRE 12" X 17" RECTANGULAR DRY VALVE BOX @ EACH VALVE
REFER TO IRRIGATION NOTES, IRRIGATION SCHEDULE & CONSTRUCTION DETAILS
REFER TO MANUFACTURER SPECIFICATIONS

POC #02:

| | |
|---|---|
| VALVE #01 | SIZE: 3" |
| VALVE #02 | SIZE: 3" |
| VALVE #03 | SIZE: 3" |
| VALVE #04 | SIZE: 3" |
| VALVE #05 | SIZE: 3" |
| VALVE #06 | SIZE: 3" |
| VALVE #07 | SIZE: 3" |

07 06 05 04 03 02 01

D D D D D D D

10'-0"

5'-5"

PROPOSED 6" IPS GASKETED PVC IRRIGATION MAINLINE:
INSTALL 5' FROM EXISTING PAVING
INSTALL LEEMCO GASKETED FITTINGS
REFER TO IRRIGATION NOTES, IRRIGATION SCHEDULE & CONSTRUCTION DETAILS
REFER TO MANUFACTURER SPECIFICATIONS

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INSTALL 10' FROM EXISTING PAVING
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NORTH

SCALE: 1" = 20'-0"

0' 5' 10' 15' 20' 30' 40' 60'

## IRRIGATION NOTES:

1. PRE-CONSTRUCTION & MOBILIZATION:
   - CONTRACTOR SHALL WALK THE SITE & TAKE INVENTORY, CONFIRM EXISTING CONDITIONS PRIOR TO ASSEMBLING PROPOSAL & PRIOR TO CONSTRUCTION
   - FLAG & CONFIRM WITH CRPD PRECISE LOCATION OF ALL PROPOSED IRRIGATION EQUIPMENT PRIOR TO CONSTRUCTION
   - IDENTIFY & FLAG & AVOID CONSTRUCTION CONFLICTS WITH EXISTING UTILITIES, EXISTING STRUCTURES, AND EXISTING TREES / ROOTS
   - PROVIDE MATERIAL SUBMITTALS FOR APPROVAL WITH CRPD PRIOR TO CONSTRUCTION
2. WIRE & CONDUIT:
   - INSTALL 14 GAUGE FULL TWO WIRE RUNS WITH NO SPLICING
   - INSTALL 1" CONDUIT FOR ALL TWO-WIRE RUNS & SWEEPS @ CROSSINGS
   - INSTALL PULL BOX @ APPROXIMATELY EVERY 1000'
   - INSTALL GROUNDING RODS @ APPROXIMATELY EVERY 500'
3. VALVE BOXES:
   - INSTALL (1) "GREEN" NDS PRO-SPEC 314BCB 14" X 19" RECTANGULAR VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH INDIVIDUAL RCV VALVE, MASTER VALVES, FLOW SENSORS & FERT TANKS
   - INSTALL (1) "GREEN" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH QUICK COUPLER
   - INSTALL (1) "GREEN" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH GATE VALVE
   - INSTALL (1) "SAND" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH DOMESTIC QUICK COUPLER
   - STAMP & TAG ALL VALVE BOXES
4. IRRIGATION MAINLINE (1-2 1/2"):
   - 1"-2 1/2" MAINLINE SHALL BE JM EAGLE PVC CLASS 315 WITH SOLVENT-WELD CONNECTIONS
   - FITTINGS SHALL BE SPEARS SCHEDULE 80 PVC SOLVENT-WELD FITTINGS
   - CONNECTIONS BETWEEN MAINLINES AND VALVES SHALL BE MADE WITH SCHEDULE 80 PVC (THREADED BOTH ENDS) NIPPLES AND FITTINGS
   - SOLVENT WELD FITTINGS SHALL BE SCHEDULE 40 PVC SOLVENT-WELD FITTINGS AS APPROVED BY THE
   - CONCRETE THRUST BLOCKING IS REQUIRED WHERE PIPE IS SOLVENT WELDED
   - IRRIGATION MAINLINE PIPE SHALL HAVE A MINIMUM COVER OF 24 INCHES
5. IRRIGATION MAINLINE (3" & LARGER):
   - 3" & LARGER IRRIGATION MAINLINE SHALL BE PACIFIC PLASTICS IPS GASKETED WHITE SDR21 PVC PLASTIC PIPE WITH LEEMCO GASKETED PUSH ON DUCTILE IRON FITTINGS, AND MECHANICAL JOINT RESTRAINTS
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   - CONTACT LEEMCO SPECIFICATIONS REPRESENTATIVE TIM BRENNER (661) 645-4025
6. BACKFILL:
   - INSTALL 8" DEPTH WASHED SAND ON TOP OF PIPE
   - INSTALL AGROMIN "NATIVE SOIL MIX" AS BACKFILL
   - EXPORT CUT & EXCAVATED EXCESS SOIL OFFSITE
   - INSTALL SOUTHLAND "MARATHON II" TURF SEED ON ALL BACKFILL
7. POST CONSTRUCTION:
   - CONTRACTOR SHALL MEET WITH CRPD & PROGRAM CONTROLLER & VALVES WITH DECODERS
   - CONTRACTOR SHALL PRESSURE TEST IRRIGATION SYSTEM FOR LEAKS PRIOR TO OPERATION
   - CONTRACTOR SHALL CLEAR OUT MAINLINE DEBRIS PRIOR TO RUNNING SYSTEM
8. TRENCHING @ IRRIGATION CROSSINGS & EXISTING HARDSCAPE:
   - SAWCUT EXISTING HARDSCAPE @ IRRIGATION CROSSINGS
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## IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|---|---|---|
| | REMOTE CONTROL VALVE 3"<br>MANUFACTURER - GRISWOLD<br>MODEL - 2000 NORMALLY CLOSED, EPOXY COATING | 74 |
| | QUICK COUPLING VALVE 1"<br>MANUFACTURER - RAIN BIRD<br>MODEL - 44-RC | 30 |
| | GATE VALVE - ISOLATION VALVE<br>MANUFACTURER - KINGER<br>MODEL - AWWA C509 FLANGED RESILIENT NRS (JHZ45XQ)<br>SIZE - 6" | 11 |
| | GATE VALVE - MANIFOLD<br>MANUFACTURER - KINGER<br>MODEL - AWWA C509 FLANGED RESILIENT NRS (JHZ45XQ)<br>SIZE - 6" | 13 |
| (E) | MASTER VALVE (EXISTING) 3"<br>EXISTING MASTER VALVE PROTECT IN PLACE | 2 |
| FV | MAINLINE FLUSH VALVE<br>INSTALL GATE VALVE & DAYLIGHT PIPE | 2 |
| C1 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
| C2 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
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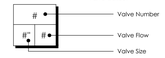
| E | FLOW SENSOR (EXISTING) 6"<br>EXISTING FLOW SENSOR PROTECT IN PLACE | 2 |
| (E) | FERTILIZING SYSTEM (EXISTING)<br>EXISTING FERTILIZATION TANK PROTECT IN PLACE | 3 |
| POC #1 1pt | POINT OF CONNECTION 6"<br>EXISTING POC | 2 |
| POC #2 1pt | POINT OF CONNECTION 6"<br>EXISTING POC | 1 |
| | IRRIGATION MAINLINE: PVC SDR 21<br>MANUFACTURER - PACIFIC PLASTICS | 7,686 LF |

Valve Callout





**cva design consultants**

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PHONE: (805) 232-5218
EMAIL: JCRYSTAL@CVADESIGNCONSULTANTS.COM
WEB ADDRESS: WWW.CVADESIGNCONSULTANTS.COM


CLIENT:

Conejo Recreation & Park District

PROJECT NAME:
CONEJO CREEK SOUTH PARK

PROJECT ADDRESS:
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Jordan T. Crystal
Signature
NOV. 30, 2026
Renewal Date
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Date
STATE OF CALIFORNIA

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IRRIGATION PLAN

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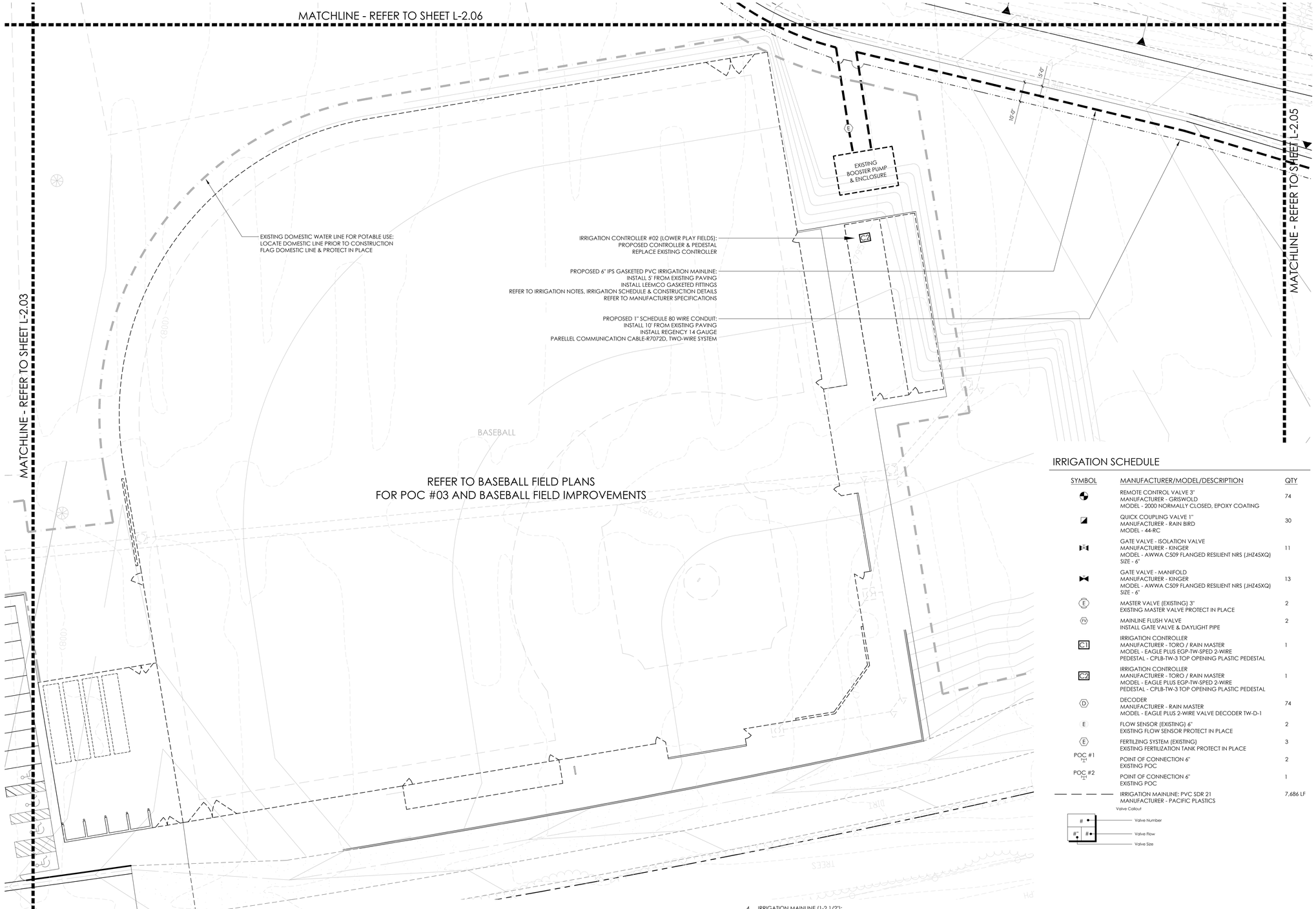
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |

SHEET:

**L-2.03**

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| C2 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
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Valve Callout




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NORTH

SCALE: 1" = 20'-0"

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Jordan T. Crystal
Signature
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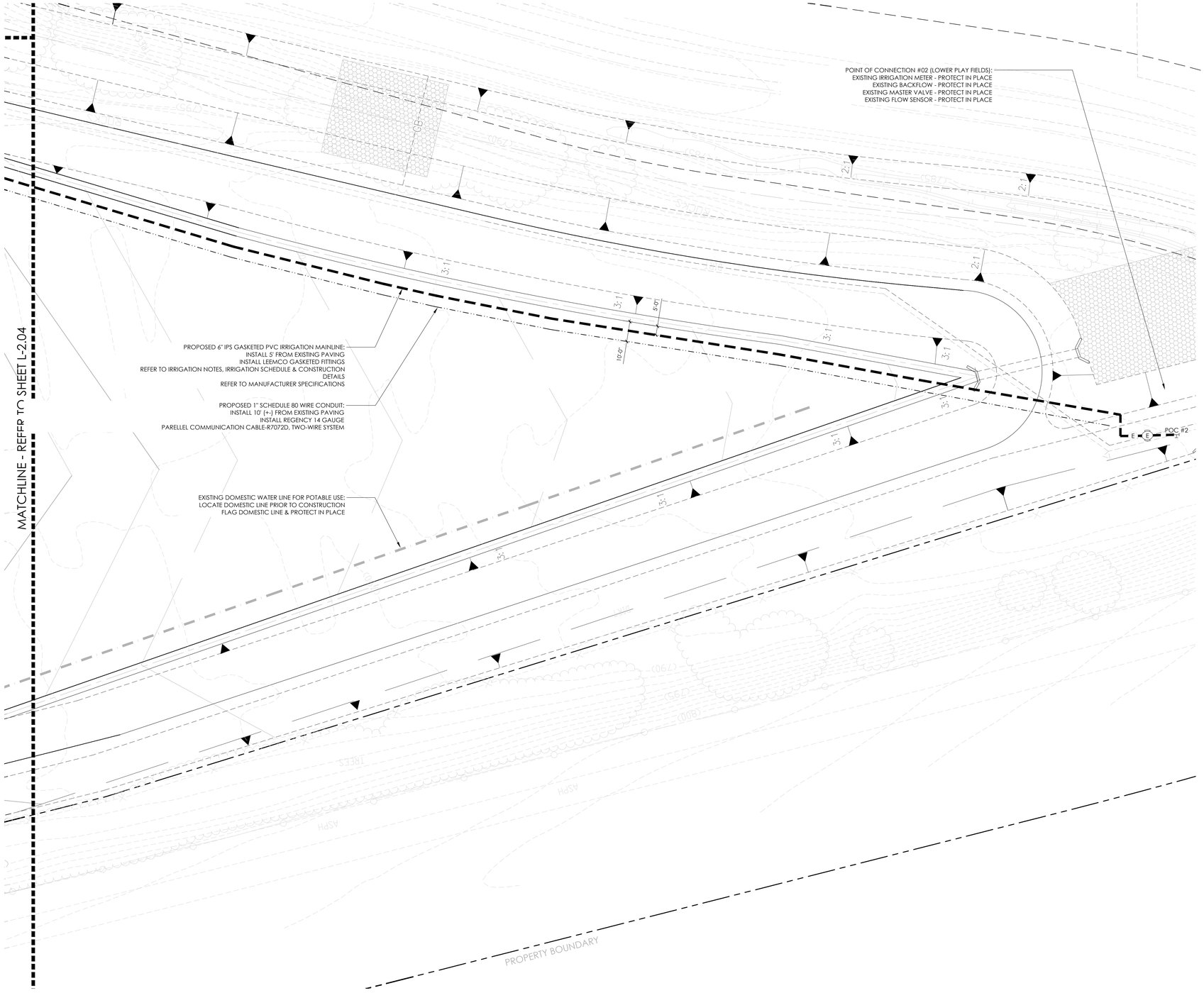
**L-2.04**

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0' 5' 10' 15' 20' 30' 40' 60'


**cva design consultants**

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PHONE: (805) 232-5218
EMAIL: JCRYSTAL@CVADESIGNCONSULTANTS.COM
WEB ADDRESS: WWW.CVADESIGNCONSULTANTS.COM


CLIENT:

Conejo Recreation & Park District

PROJECT NAME:
CONEJO CREEK SOUTH PARK

PROJECT ADDRESS:
1300 EAST JANSS ROAD
THOUSAND OAKS, CA. 91362

| NOTES: | DATE: |
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| DESIGN REVIEW | 12/16/2025 |
| FINAL REVIEW | 03/02/2026 |
| CONSTRUCTION SET | 03/20/2026 |
| CONSTRUCTION SET | 06/26/2026 |

LICENSED LANDSCAPE ARCHITECT
JORDAN T. CRYSTAL
Jordan T. Crystal
Signature
NOV. 30, 2028
Renewal Date
JUNE 26, 2026
Date
STATE OF CALIFORNIA

SHEET TITLE:
IRRIGATION PLAN

| | |
|---|---|
| DATE: | 06/26/2026 |
| SCALE: | 1" = 20'-0" |
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |
| SHEET: | L-2.05 |

## IRRIGATION NOTES:

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   - IDENTIFY & FLAG & AVOID CONSTRUCTION CONFLICTS WITH EXISTING UTILITIES, EXISTING STRUCTURES, AND EXISTING TREES / ROOTS
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   - INSTALL 14 GAUGE FULL TWO WIRE RUNS WITH NO SPLICING
   - INSTALL 1" CONDUIT FOR ALL TWO-WIRE RUNS & SWEEPS @ CROSSINGS
   - INSTALL PULL BOX @ APPROXIMATELY EVERY 1000'
   - INSTALL GROUNDING RODS @ APPROXIMATELY EVERY 500'
3. VALVE BOXES:
   - INSTALL (1) "GREEN" NDS PRO-SPEC 314BCB 14" X 19" RECTANGULAR VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH INDIVIDUAL RCV VALVE, MASTER VALVES, FLOW SENSORS & FERT TANKS
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   - INSTALL (1) "SAND" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH DOMESTIC QUICK COUPLER
   - STAMP & TAG ALL VALVE BOXES
4. IRRIGATION MAINLINE (1"-2 1/2"):
   - 1"-2 1/2" MAINLINE SHALL BE JM EAGLE PVC CLASS 315 WITH SOLVENT-WELD CONNECTIONS
   - FITTINGS SHALL BE SPEARS SCHEDULE 80 PVC SOLVENT-WELD FITTINGS
   - CONNECTIONS BETWEEN MAINLINES AND VALVES SHALL BE MADE WITH SCHEDULE 80 PVC (THREADED BOTH ENDS) NIPPLES AND FITTINGS
   - SOLVENT WELD FITTINGS SHALL BE SCHEDULE 40 PVC SOLVENT-WELD FITTINGS AS APPROVED BY THE
   - CONCRETE THRUST BLOCKING IS REQUIRED WHERE PIPE IS SOLVENT WELDED
   - IRRIGATION MAINLINE PIPE SHALL HAVE A MINIMUM COVER OF 24 INCHES
5. IRRIGATION MAINLINE (3" & LARGER):
   - 3" & LARGER IRRIGATION MAINLINE SHALL BE PACIFIC PLASTICS IPS GASKETED WHITE SDR21 PVC PLASTIC PIPE WITH LEEMCO GASKETED PUSH ON DUCTILE IRON FITTINGS, AND MECHANICAL JOINT RESTRAINTS
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| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
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| (V) | MAINLINE FLUSH VALVE<br>INSTALL GATE VALVE & DAYLIGHT PIPE | 2 |
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| C2 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
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Valve Callout







NORTH

SCALE: 1" = 20'-0"

0' 5' 10' 15' 20' 30' 40' 60'


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**L-2.06**

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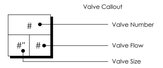
Valve Callout

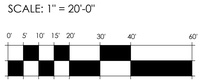









SCALE: 1" = 20'-0"





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Jordan T. Crystal
No. 6454
NOV. 30, 2028
Renewal Date
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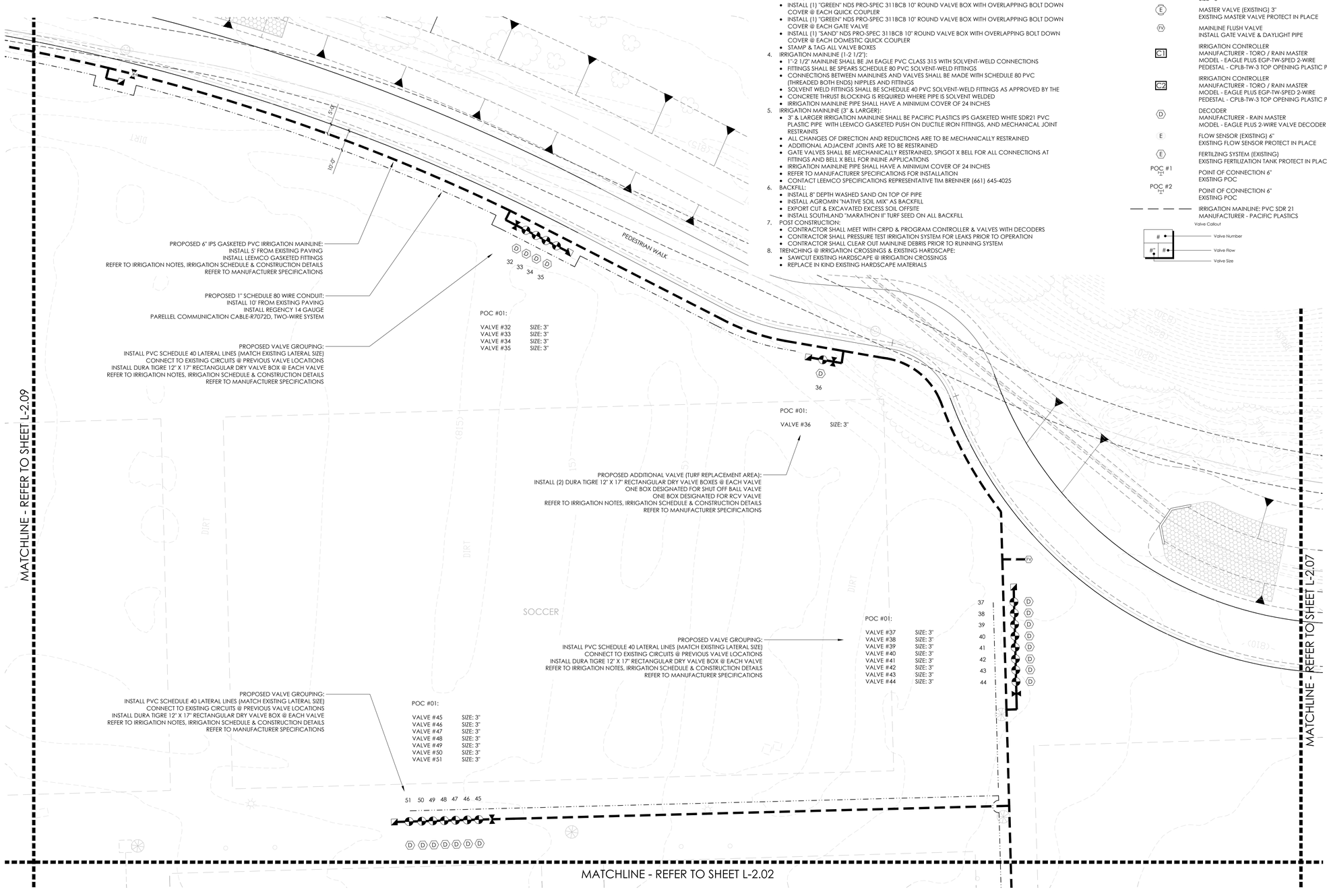
**L-2.07**

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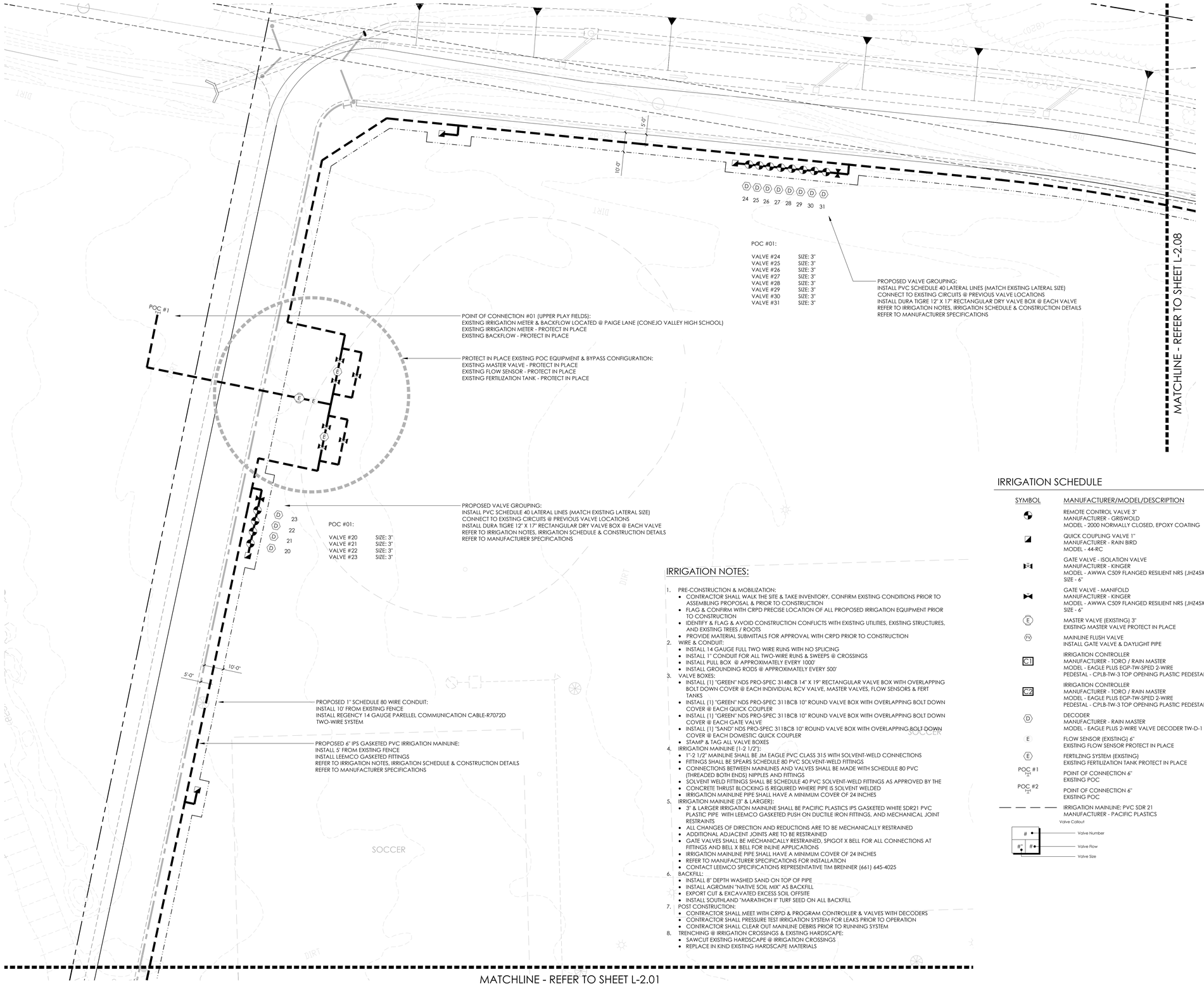


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1. PRE-CONSTRUCTION & MOBILIZATION:
   - CONTRACTOR SHALL WALK THE SITE & TAKE INVENTORY, CONFIRM EXISTING CONDITIONS PRIOR TO ASSEMBLING PROPOSAL & PRIOR TO CONSTRUCTION
   - FLAG & CONFIRM WITH CRPD PRECISE LOCATION OF ALL PROPOSED IRRIGATION EQUIPMENT PRIOR TO CONSTRUCTION
   - IDENTIFY & FLAG & AVOID CONSTRUCTION CONFLICTS WITH EXISTING UTILITIES, EXISTING STRUCTURES, AND EXISTING TREES / ROOTS
   - PROVIDE MATERIAL SUBMITTALS FOR APPROVAL WITH CRPD PRIOR TO CONSTRUCTION
2. WIRE & CONDUIT:
   - INSTALL 14 GAUGE FULL TWO WIRE RUNS WITH NO SPLICING
   - INSTALL 1" CONDUIT FOR ALL TWO-WIRE RUNS & SWEEPS @ CROSSINGS
   - INSTALL PULL BOX @ APPROXIMATELY EVERY 1000'
   - INSTALL GROUNDING RODS @ APPROXIMATELY EVERY 500'
3. VALVE BOXES:
   - INSTALL (1) "GREEN" NDS PRO-SPEC 314BCB 14" X 19" RECTANGULAR VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH INDIVIDUAL RCV VALVE, MASTER VALVES, FLOW SENSORS & FERT TANKS
   - INSTALL (1) "GREEN" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH QUICK COUPLER
   - INSTALL (1) "GREEN" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH GATE VALVE
   - INSTALL (1) "SAND" NDS PRO-SPEC 311BCB 10" ROUND VALVE BOX WITH OVERLAPPING BOLT DOWN COVER @ EACH DOMESTIC QUICK COUPLER
   - STAMP & TAG ALL VALVE BOXES
4. IRRIGATION MAINLINE (1-2 1/2"):
   - 1"-2 1/2" MAINLINE SHALL BE JM EAGLE PVC CLASS 315 WITH SOLVENT-WELD CONNECTIONS
   - FITTINGS SHALL BE SPEARS SCHEDULE 80 PVC SOLVENT-WELD FITTINGS
   - CONNECTIONS BETWEEN MAINLINES AND VALVES SHALL BE MADE WITH SCHEDULE 80 PVC (THREADED BOTH ENDS) NIPPLES AND FITTINGS
   - SOLVENT WELD FITTINGS SHALL BE SCHEDULE 40 PVC SOLVENT-WELD FITTINGS AS APPROVED BY THE
   - CONCRETE THRUST BLOCKING IS REQUIRED WHERE PIPE IS SOLVENT WELDED
   - IRRIGATION MAINLINE PIPE SHALL HAVE A MINIMUM COVER OF 24 INCHES
5. IRRIGATION MAINLINE (3" & LARGER):
   - 3" & LARGER IRRIGATION MAINLINE SHALL BE PACIFIC PLASTICS IPS GASKETED WHITE SDR21 PVC PLASTIC PIPE WITH LEEMCO GASKETED PUSH ON DUCTILE IRON FITTINGS, AND MECHANICAL JOINT RESTRAINTS
   - ALL CHANGES OF DIRECTION AND REDUCTIONS ARE TO BE MECHANICALLY RESTRAINED
   - ADDITIONAL ADJACENT JOINTS ARE TO BE RESTRAINED
   - GATE VALVES SHALL BE MECHANICALLY RESTRAINED, SPIGOT X BELL FOR ALL CONNECTIONS AT FITTINGS AND BELL X BELL FOR INLINE APPLICATIONS
   - IRRIGATION MAINLINE PIPE SHALL HAVE A MINIMUM COVER OF 24 INCHES
   - REFER TO MANUFACTURER SPECIFICATIONS FOR INSTALLATION
   - CONTACT LEEMCO SPECIFICATIONS REPRESENTATIVE TIM BRENNER (661) 645-4025
6. BACKFILL:
   - INSTALL 8" DEPTH WASHED SAND ON TOP OF PIPE
   - INSTALL AGROMIN "NATIVE SOIL MIX" AS BACKFILL
   - EXPORT CUT & EXCAVATED EXCESS SOIL OFFSITE
   - INSTALL SOUTHLAND "MARATHON II" TURF SEED ON ALL BACKFILL
7. POST CONSTRUCTION:
   - CONTRACTOR SHALL MEET WITH CRPD & PROGRAM CONTROLLER & VALVES WITH DECODERS
   - CONTRACTOR SHALL PRESSURE TEST IRRIGATION SYSTEM FOR LEAKS PRIOR TO OPERATION
   - CONTRACTOR SHALL CLEAR OUT MAINLINE DEBRIS PRIOR TO RUNNING SYSTEM
8. TRENCHING @ IRRIGATION CROSSINGS & EXISTING HARDSCAPE:
   - SAWCUT EXISTING HARDSCAPE @ IRRIGATION CROSSINGS
   - REPLACE IN KIND EXISTING HARDSCAPE MATERIALS

## IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY |
|---|---|---|
| | REMOTE CONTROL VALVE 3"<br>MANUFACTURER - GRISWOLD<br>MODEL - 2000 NORMALLY CLOSED, EPOXY COATING | 74 |
| | QUICK COUPLING VALVE 1"<br>MANUFACTURER - RAIN BIRD<br>MODEL - 44-RC | 30 |
| | GATE VALVE - ISOLATION VALVE<br>MANUFACTURER - KINGER<br>MODEL - AWWA C509 FLANGED RESILIENT NRS (JHZ45XQ)<br>SIZE - 6" | 11 |
| | GATE VALVE - MANIFOLD<br>MANUFACTURER - KINGER<br>MODEL - AWWA C509 FLANGED RESILIENT NRS (JHZ45XQ)<br>SIZE - 6" | 13 |
| (E) | MASTER VALVE (EXISTING) 3"<br>EXISTING MASTER VALVE PROTECT IN PLACE | 2 |
| FV | MAINLINE FLUSH VALVE<br>INSTALL GATE VALVE & DAYLIGHT PIPE | 2 |
| C1 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
| C2 | IRRIGATION CONTROLLER<br>MANUFACTURER - TORO / RAIN MASTER<br>MODEL - EAGLE PLUS EGP-TW-SPED 2-WIRE<br>PEDESTAL - CPLB-TW-3 TOP OPENING PLASTIC PEDESTAL | 1 |
| D | DECODER<br>MANUFACTURER - RAIN MASTER<br>MODEL - EAGLE PLUS 2-WIRE VALVE DECODER TW-D-1 | 74 |
| E | FLOW SENSOR (EXISTING) 6"<br>EXISTING FLOW SENSOR PROTECT IN PLACE | 2 |
| (E) | FERTILIZING SYSTEM (EXISTING)<br>EXISTING FERTILIZATION TANK PROTECT IN PLACE | 3 |
| POC #1 | POINT OF CONNECTION 6"<br>EXISTING POC | 2 |
| POC #2 | POINT OF CONNECTION 6"<br>EXISTING POC | 1 |
| | IRRIGATION MAINLINE: PVC SDR 21<br>MANUFACTURER - PACIFIC PLASTICS | 7,686 LF |

Valve Callout




NORTH

SCALE: 1" = 20'-0"

0' 5' 10' 15' 20' 30' 40' 60'


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CLIENT:

Conejo Recreation & Park District

PROJECT NAME:
CONEJO CREEK SOUTH PARK

PROJECT ADDRESS:
1300 EAST JANSS ROAD
THOUSAND OAKS, CA. 91362

| NOTES: | DATE: |
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| FINAL REVIEW | 03/02/2026 |
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| CONSTRUCTION SET | 06/26/2026 |

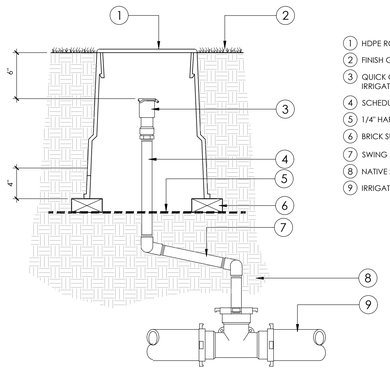
LICENSED LANDSCAPE ARCHITECT
Jordan T. Crystal
Signature
NOV. 30, 2028
Renewal Date
JUNE 26, 2026
Date
STATE OF CALIFORNIA

SHEET TITLE:
IRRIGATION PLAN

| | |
|---|---|
| DATE: | 06/26/2026 |
| SCALE: | 1" = 20'-0" |
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |

SHEET:

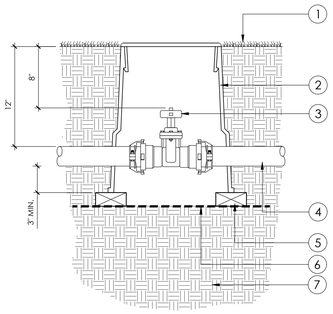
**L-2.09**




1. HDPE ROUND VALVE BOX
2. FINISH GRADE
3. QUICK COUPLING VALVE, REFER TO IRRIGATION SCHEDULE
4. SCHEDULE 80 NIPPLE
5. 1/4" HARDWARE CLOTH
6. BRICK SUPPORTS (4)
7. SWING JOINT ASSEMBLY
8. NATIVE SUBGRADE
9. IRRIGATION MAINLINE & FITTINGS

## 3 QUICK COUPLER

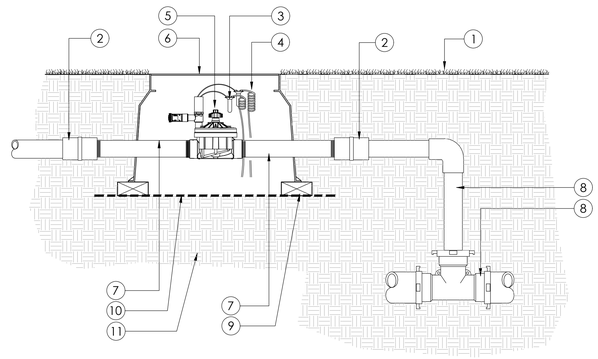
1 1/2" = 1'-0" P-CO-IRR-16




1. FINISH GRADE
2. HDPE ROUND VALVE BOX
3. GATE VALVE, REFER TO IRRIGATION SCHEDULE
4. IRRIGATION MAINLINE
5. BRICK SUPPORTS (4)
6. 1/4" HARDWARE CLOTH
7. NATIVE SUB-GRADE

## 2 GATE VALVE

1 1/2" = 1'-0" P-CO-IRR-17

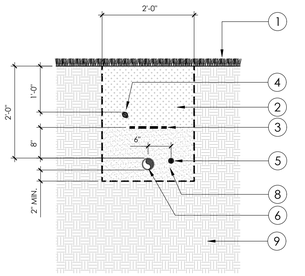



1. FINISH GRADE
2. SCHEDULE 80 (SLIP X THREAD) COUPLER
3. WATERPROOF CONNECTORS
4. 18"-24" COILED WIRE
5. REMOTE CONTROL VALVE, REFER TO IRRIGATION SCHEDULE
6. HDPE RECTANGULAR VALVE BOX
7. SCHEDULE 80 NIPPLE
8. IRRIGATION MAINLINE & FITTINGS
9. BRICK SUPPORTS (4)
10. 1/4" HARDWARE CLOTH
11. NATIVE SUBGRADE

NOTE:
1. EXTRA COMMON / HOT WIRE SHALL BE PROVIDED ENTERING AND EXITING EACH VALVE BOX.

## 1 REMOTE CONTROL VALVE

NTS P-CO-IRR-01

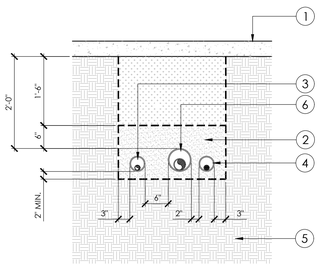



1. FINISH GRADE
2. AMENDED BACKFILL, 90% COMPACTED @ 3" LIFTS
3. 3" BLUE DETECTABLE LOCATOR TAPE
4. IRRIGATION LATERAL LINE
5. IRRIGATION CONTROL WIRES
6. IRRIGATION MAINLINE
8. WASHED SAND BACKFILL
9. NATIVE SUB-GRADE

NOTE:
1. LOCATOR TAPE SHALL BE INSTALLED ABOVE THE ENTIRE MAINLINE RUN
2. CONTROL WIRES SHALL BE BUNDLED AND TAPED @ 12 O.C.

## 6 TRENCHING

3/4" = 1'-0" P-CO-IRR-06

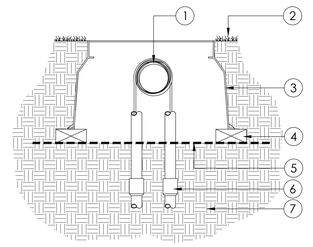



1. PAVING / FINISH SURFACE
2. WASHED SAND BACKFILL
3. IRRIGATION LATERAL LINE SLEEVE
4. CONTROL WIRE CONDUIT / SLEEVE
5. UNDISTURBED SOIL
6. IRRIGATION MAINLINE SLEEVE

NOTE:
1. SLEEVES SHALL BE PVC SCHEDULE 40 OR GREATER
2. SLEEVES SHALL BE TWICE THE DIAMETER OF THE CARRIER PIPE
3. SLEEVES SHALL EXTEND 12" BEYOND EDGE OF HARDSCAPE ON BOTH ENDS

## 5 PIPE SLEEVE

3/4" = 1'-0" P-CO-IRR-07

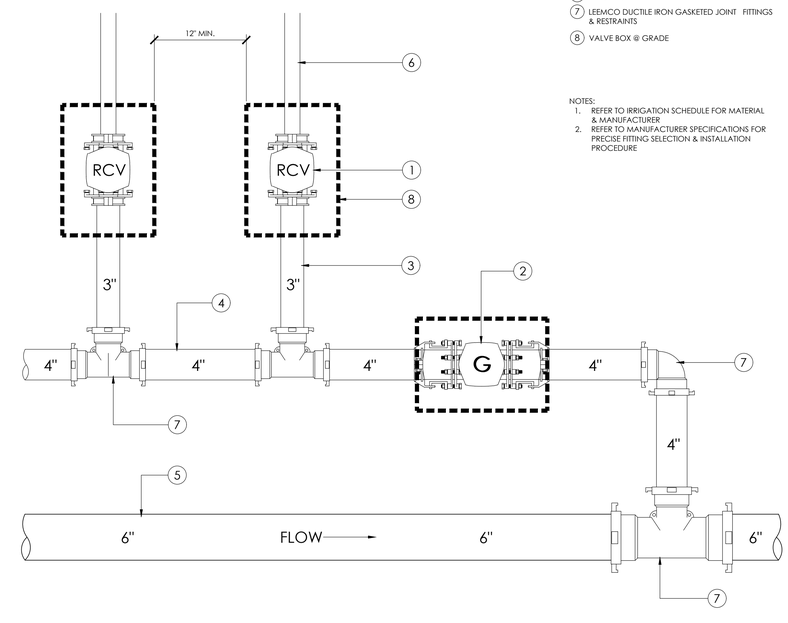



1. 3' EXPANSION COIL @ EACH WIRE CONNECTION, PULL BOX LOCATION, AND @ CHANGES IN DIRECTION
2. FINISH GRADE
3. CONCRETE VALVE BOX
4. BRICK SUPPORT (1 OF 4)
5. 1/4" HARDWARE CLOTH
6. 1-1/2" PVC SCHEDULE 40 CONDUIT, INSTALL 90 DEGREE SWEEPING ELBOWS @ PULL BOX TYPICAL
7. COMPACTED SUBGRADE

NOTE:
1. FORM EXPANSION COILS BY WRAPPING @ LEAST FIVE TURNS AROUND A 2-INCH DIAMETER PIPE, THEN WITHDRAWING THE PIPE.
2. PULL BOXES ARE REQUIRED @ 200'MAXIMUM INTERVALS & NO MORE THAN THE EQUIVALENT OF 4 QUARTERS BEND (360° BETWEEN PULL BOXES).
3. SPLICING OF WIRE WILL BE PERMITTED ONLY ON RUNS EXCEEDING 2,500-FEET ND SHALL BE PLACED IN JUNCTION BOX.

## 4 TWO-WIRE COIL @ PULL BOX

1 1/2" = 1'-0" P-CO-IRR-04



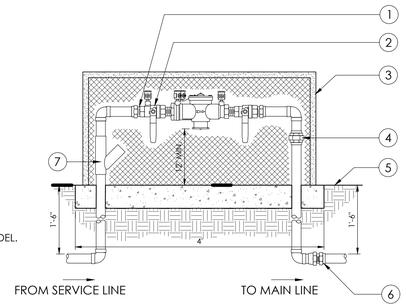

1. REMOTE CONTROL VALVE
2. ISOLATION GATE VALVE
3. 3" MANIFOLD BRANCH MAINLINE
4. 4" MANIFOLD BRANCH MAINLINE
5. 6" IRRIGATION MAINLINE
6. IRRIGATION LATERAL LINE
7. LEEMCO DUCTILE IRON GASKETED JOINT FITTINGS & RESTRAINTS
8. VALVE BOX @ GRADE

NOTES:
1. REFER TO IRRIGATION SCHEDULE FOR MATERIAL & MANUFACTURER
2. REFER TO MANUFACTURER SPECIFICATIONS FOR PRECISE FITTING SELECTION & INSTALLATION PROCEDURE

## 9 RCV VALVE GROUPING & MANIFOLD

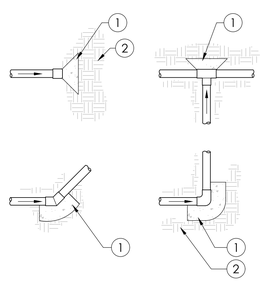
1 1/2" = 1'-0" P-CO-IRR-11

1. NIPPLE
2. BALL VALVES INCLUDED IN BACKFLOW ASSEMBLY FROM MANUFACTURER
3. ENCLOSURE PER IRRIGATION LEGEND
4. RED BRASS UNION
5. FINISH GRADE
6. SCHEDULE 80 PVC
7. WYE STRAINER, LINE SIZE. REFER TO IRRIGATION SCHEDULE FOR MANUFACTURER AND MODEL.




## 7 BACKFLOW PREVENTION ASSEMBLY

3/4" = 1'-0" P-CO-IRR-15




MINIMUM BEARING SURFACE AREA

| PIPE SIZE | TEE AND PLUG | 90° BEND | 45° BEND |
|---|---|---|---|
| 1-1/2" | 0.45 FEET ² | 0.63 FEET ² | 0.34 FEET ² |
| 2" | 0.69 FEET ² | 0.97 FEET ² | 0.53 FEET ² |
| 2-1/2" | 1.0 FEET ² | 1.41 FEET ² | 0.77 FEET ² |
| 3" | 1.48 FEET ² | 2.10 FEET ² | 1.14 FEET ² |
| 4" | 2.43 FEET ² | 3.45 FEET ² | 1.87 FEET ² |
| 6" | 5.25 FEET ² | 7.41 FEET ² | 4.02 FEET ² |
| 8" | 9.08 FEET ² | 12.83 FEET ² | 6.96 FEET ² |
| 10" | 14.93 FEET ² | 21.07 FEET ² | 11.44 FEET ² |

1. BEARING SURFACE
2. EXISTING OR MODIFIED SOIL. SEE SPECIFICATIONS FOR SOIL MODIFICATIONS.

NOTES:
1. SIZE THRUST BLOCKS SHAL BE SPECIFIED AS SHOWN IN THE TABLE ABOVE
2. CONTROL WIRE SHALL NOT BE ENCASED IN CONCRETE.
3. ALL FITTINGS SHALL BE WRAPPED WITH POLY ETHYLENE TO PREVENT CONCRETE FROM ADHERING TO PIPE, FITTINGS OR BOLTS.
4. JOINTS AND BOLTS SHALL BE ACCESSIBLE FOR REPAIRS.
5. THRUST BLOCKS SHALL SHALL BE A MINIMUM OF 6" THICK.
6. ONE 80 LBS. SACK OF CONCRETE SHALL COVER 6 CUBIC FEET.

## 8 THRUST BLOCK

1 1/2" = 1'-0" P-CO-IRR-05

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CLIENT:
Conejo Recreation & Park District

PROJECT NAME: CONEJO CREEK SOUTH PARK
PROJECT ADDRESS: 1300 EAST JANSS ROAD THOUSAND OAKS, CA. 91362

| NOTES: | DATE: |
|---|---|
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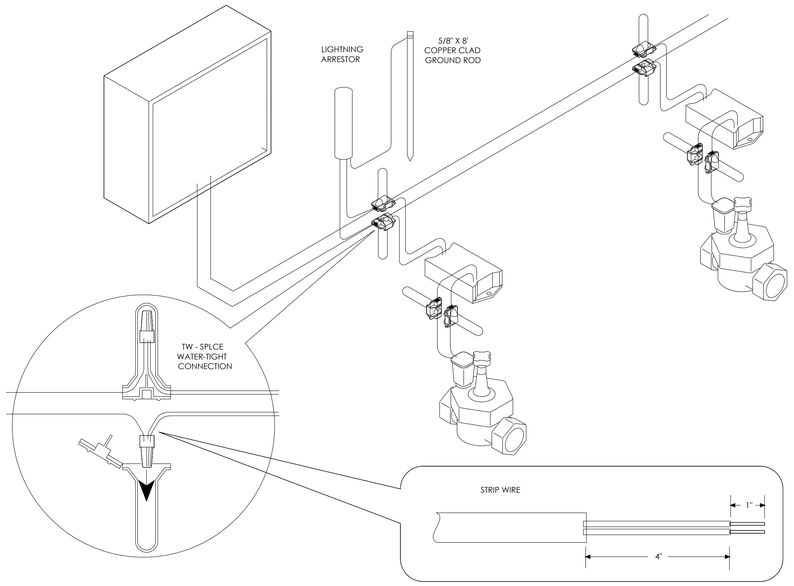
| DESIGN REVIEW | 12/16/2025 |
| FINAL REVIEW | 03/02/2026 |
| CONSTRUCTION SET | 03/20/2026 |
| CONSTRUCTION SET | 06/26/2026 |

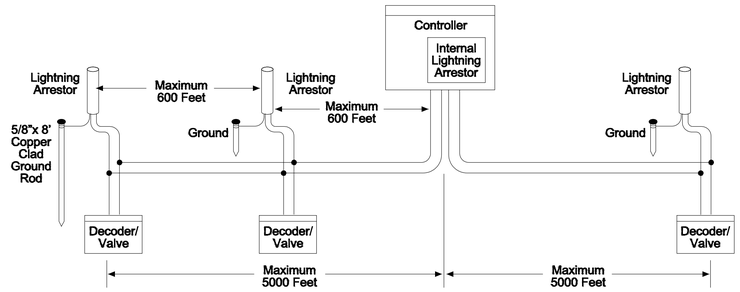
LICENSED LANDSCAPE ARCHITECT — JORDAN T. CRYSTAL — No. 6491 — NOV. 30, 2028 Renewal Date — JUNE 26, 2026 Date — STATE OF CALIFORNIA

SHEET TITLE: IRRIGATION DETAILS

| | |
|---|---|
| DATE: | 06/26/2026 |
| SCALE: | NA |
| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |
| SHEET: | L-2.11 |




2 TWO-WIRE SYSTEM - WIRE CONNECTION
1 1/2" = 1'-0"
P-CO-IRR-09




| Straight Line Configuration | |
|---|---|
| Wire Gauge | Total Wire Length (feet) |
| TW-CAB-14 | 5,000 |
| Maximum 600 feet between Lightning Arrestors | |

1 TWO-WIRE SYSTEM - STRAIGHT LINE CONFIGURATION
1 1/2" = 1'-0"
P-CO-IRR-08

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SHEET TITLE:
IRRIGATION DETAILS

| | |
|---|---|
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| DRAWN BY: | JC |
| JOB NUMBER: | C-20250829-01 |
| SHEET: | |

L-2.12