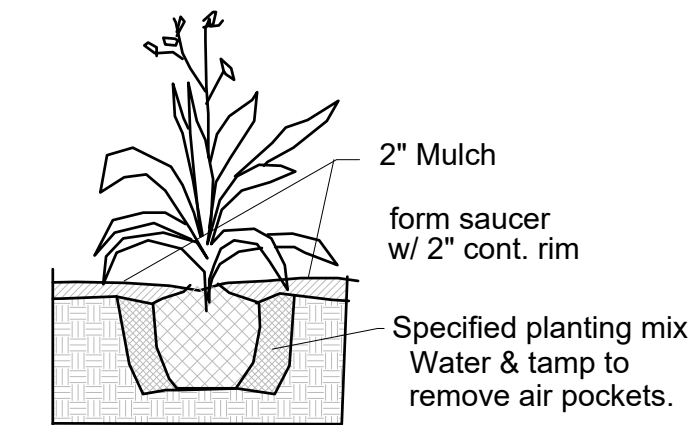
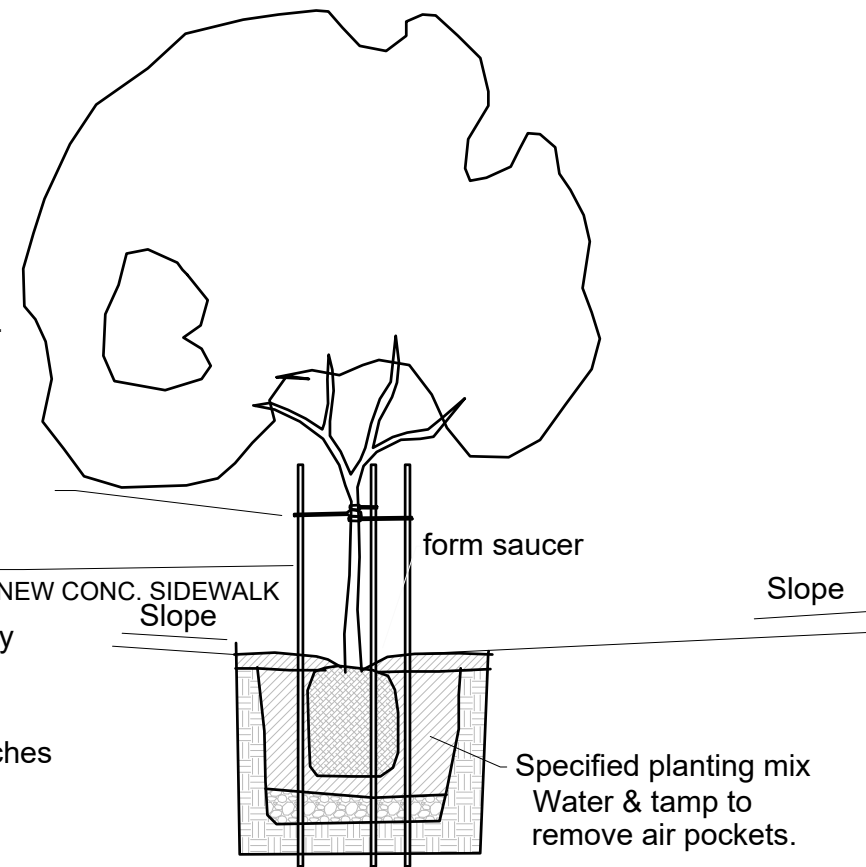


Plant so that top of root ball is even with the finished grade  
 Paint all cuts over 1" dia.  
 Note:  
 Staking as required  
 2 strand twisted 12 ga. galv. wire encased in 1" dia. rubber hose  
 Hardwood stakes: 1-3 stakes 2"x2" driven (min. 18") firmly into subgrade prior to backfilling  
 Stake above first branches or as necessary for firm support



Tree Planting Detail

Shrub Planting Detail

**GENERAL NOTES:**

- 1 MAINTENANCE OF THE LANDSCAPE AND IRRIGATION SYSTEM TO BE PROVIDED BY THE OWNER
- 2 THE LANDSCAPE PLAN IS DESIGNED TO MEET ALL OF THE SANTA FE COUNTY REQUIREMENTS.
- 3 PLANT MATERIALS AND SIGNING WILL NOT INTERFERE WITH CLEAR SIGHT LINE REQUIREMENTS.
- 4 LANDSCAPE AREAS SHALL BE DEPRESSED BELOW GRADE TO PROVIDE FOR PASSIVE WATER HARVESTING. GENERAL CONTRACTOR TO PROVIDE CURB CUTS FOR PARKING LOT DRAINAGE GUIDING STORM WATER TOWARDS LANDSCAPE AREAS.
- 5 ALL LANDSCAPE AREAS TO BE COVERED WITH MULCH. USE 3/4" - 1" ROCK MULCH WITH MINIMUM DEPTH OF 2" AND NATIVE SEED COVER. SEE LANDSCAPE PLANS.
- 6 GRADE SHALL BE PER CIVIL DRAWINGS; AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED NATIVE DRYLAND GRASS MIX OR EQUAL. HYDROSEED WITH NATURAL GRASS STRAW.

**PLANTING NOTES**

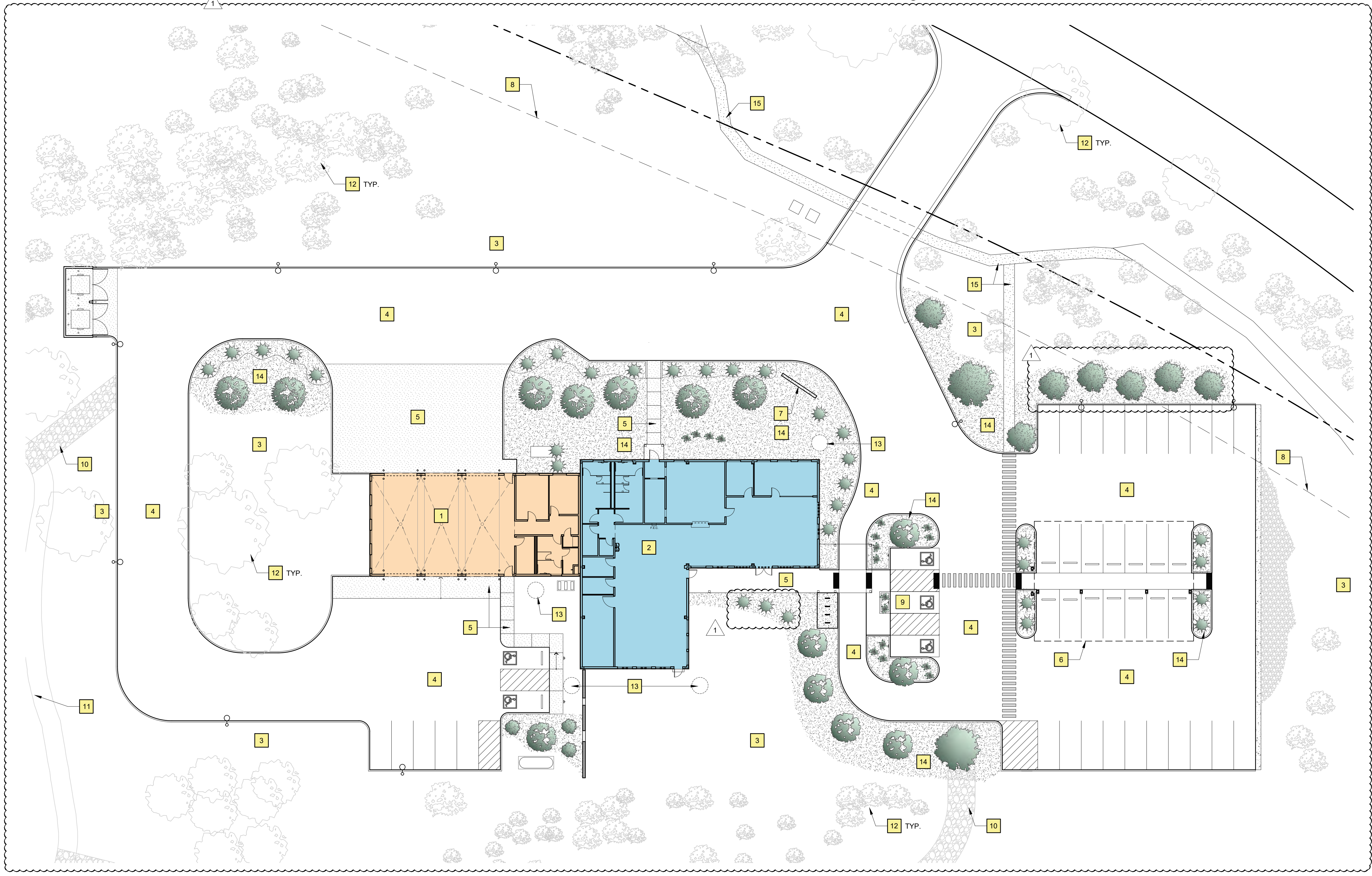
- 1 THE LANDSCAPE AND SITE DESIGN SHALL COMPLY WITH THE SANTA FE COUNTY LANDSCAPE AND SITE DESIGN REQUIREMENTS AS STATED IN ORDINANCE NO. 2011-37 -10.
- 2 PLANT MATERIAL SELECTION EMPHASIZES DROUGHT TOLERANT SPECIES. NO HIGH WATER USE TURF IS USED.
- 3 ALL REQUIRED DECIDUOUS TREES SHALL BE 2" CALIPER MINIMUM INSTALLED SIZE OR EQUIVALENT. ALL REQUIRED EVERGREENS SHALL BE A MINIMUM OF 6' HEIGHT INSTALLED SIZE. ALL REQUIRED SHRUBS SHALL BE 5 GAL. MINIMUM INSTALLED SIZE. SEE PLANTING DETAILS FOR TYPICAL INSTALLATIONS.
- 4 PLANTS LOCATED AT THE BOTTOM THIRD OF THE PONDING AREAS MUST BE ADAPTABLE TO PERIODS OF SUBMERSION.
- 5 STREET TREES SHALL BE INSTALLED AND MAINTAINED TO PROVIDE A MINIMUM OF 80' VERTICAL CLEARANCE FOR THE FULL WIDTH OF THE SIDEWALK / PEDESTRIAN ROUTE.
- 6 PROVIDE AND MAINTAIN 114" OF VERTICAL CLEARANCE AT ALL ACCESSIBLE PARKING SPACES.
- 7 WHERE MULCH IS ADJACENT TO THE CONCRETE, FINISH GRADE OF MULCH SHALL BE APPROXIMATELY 1/2" BELOW THE TOP OF THE CONCRETE.
- 8 EXCAVATE A HOLE TWICE THE WIDTH OF THE ROOTBALL AND 1-1/2 TIMES THE DEPTH. MIX IN COMPOST TO THE NATIVE SOIL WHEN PLANTING. LEAVE A 4" DEEP X CIRCUMFERENCE OF THE TREE CANOPY "WELL" SURROUNDING THE TREE BASE. SPRINKLE TERRA PRO AND PROTEIN CRUMBLES AS DIRECTED BY INSTRUCTIONS. WATER TREE AND SHRUB "WELL" TWICE COMPLETELY AFTER PLANTING. COVER "WELL" WITH 2" MULCH AS INDICATED ON PLAN. SEE PLANTING DETAILS FOR FURTHER INFORMATION.

**NEW PLANTING & MULCH SCHEDULE**

SYMBOL	DESCRIPTION	QUANTITY
	3/4"-1" ROCK MULCH, COLOR TBD, (2" DEPTH OVER FILTER FABRIC, DEWITT PRO-5 WEED CONTROL OR EQUAL)	11951 SF
	REFER TO CIVIL DRAWINGS FOR LOCATIONS AND QUANTITY	
	ACER NEGUNDO 'SENSATION' SENSATION BOX ELDER	14
	JUNIPERUS MONOPERMA	12
	ARTEMISA FILIFOLIA	32
	SALVIA GREGII	17

**LANDSCAPE KEYNOTES:**

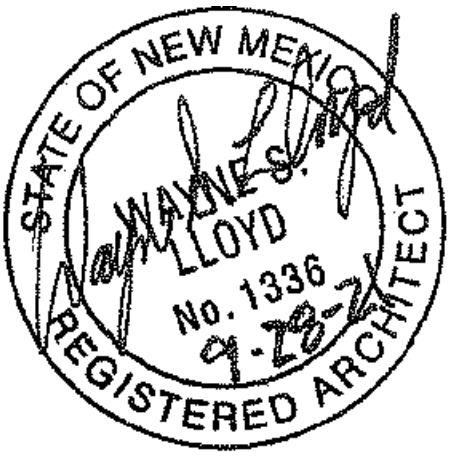
- 1 FIRE STATION
- 2 SENIOR CENTER
- 3 GRADE PER CIVIL DWGS.; PROVIDE NATIVE SEEDING
- 4 NEW ASPHALT
- 5 CONCRETE PAVING
- 6 PARKING SHADE ABOVE (TO BE PROVIDED BY PV SUPPLIER)
- 7 SIGNAGE WALL
- 8 25' WIDE LANDSCAPE FRONTAGE
- 9 NEW CONCRETE PARKING (ADA ONLY)
- 10 NEW ROCK SWALE OF 2"- 4" LOCAL COBBLE; SEE CIVIL DWGS.
- 11 NEW DETENTION POND (SEE CIVIL DRAWINGS FOR FULL SCOPE)
- 12 EXISTING TREES / SHRUBS TO REMAIN
- 13 ABOVE GRADE CISTERN; SEE SHEET L-002
- 14 NEW PLANTING WITH SWALE OR GRAVEL MULCH TO TAKE RUNOFF
- 15 NEW CRUSHER FINES PATH



A1 ENLARGED LANDSCAPE PLAN

1" = 20'

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**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
 16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status: **BIDDING**

REVISIONS	
1	ADDENDUM #1 10-13-21
-	-
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Drawn by: **RL/KL**  
 Checked by: **SM**

Date: **09-28-2021**

Sheet Title:

**LANDSCAPE PLAN**

Job Number:

Sheet No.

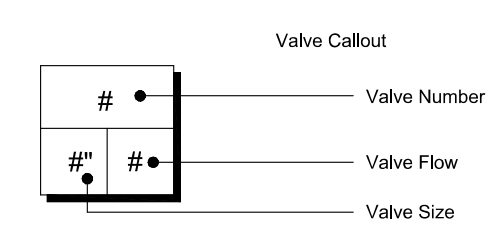
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IRRIGATION SCHEDULE		SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
	RAIN BIRD 1400 SERIES 1401 FULL CIRCLE BUBBLER, 1/2" FIPT. PROVIDE ONE (1) 0.25 GPM BUBBLER PER SHRUB. PROVIDE THREE (3) 0.50 GPM BUBBLER PER TREE. INSTALL PER DETAIL E3/L-003		ISOLATION VALVE WATTS HEAVY DUTY BRASS BALL VALVE OR APPROVED EQUIVALENT. SIZE TO MAIN LINE. SEE DETAIL A5/L-003.
	RAIN BIRD XZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3GPM TO 20GPM. INSTALL PER DETAIL A/C-21		RAINBIRD EFB-CP-PRS-D 1-1/2" BRASS MASTER VALVE. SIZE TO MAIN LINE. CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. AND PRESSURE REGULATOR. INSTALL PER DETAIL A1/L-003
	RAIN BIRD XZ-150-LCS XZ-150-LCS HIGH FLOW INLINE COMMERCIAL CONTROL ZONE KIT WITH LARGE CAPACITY SCREEN FILTER. PROVIDE CARSON JUMBO BOX WITH LOCKING COVER, BOX & COVER COLOR TO MATCH FINISH MATERIAL. INSTALL PER DETAIL E3/LI-501.		FEBCO 825Y 1" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY IN HOT BOX MODEL #HB2, W/ HEAT TAPE. MFR. HUBBELL POWER SYSTEMS. ELECTRICAL CONNECTIONS REQUIRED BY GENERAL CONTRACTOR. INSTALL PER DETAIL C3/LI-501 AND MFR. SPECS.

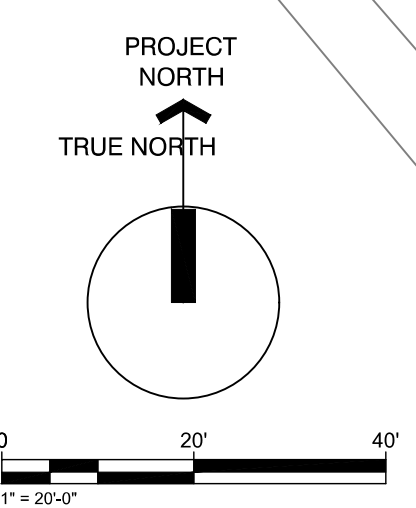
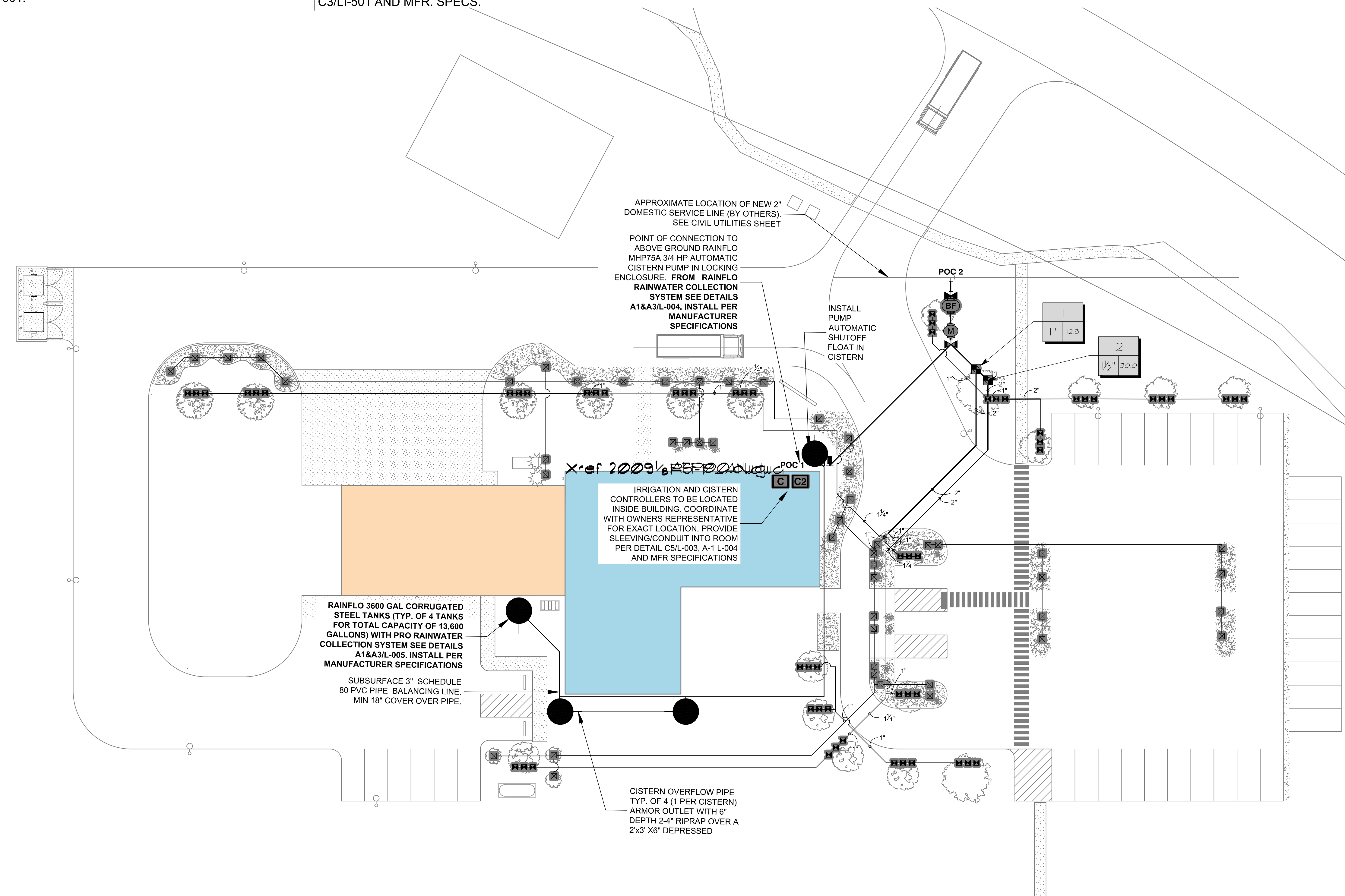
	CISTERN CONTROLLER RAIN HARVEST SYSTEMS, RAINWATER SYSTEM CONTROLLER. INSTALL PER MANUFACTURER SPECIFICATIONS AND DETAIL A1/L-004
	RAIN BIRD ESP4ME 4 STATION, HYBRID MODULAR OUTDOOR CONTROLLER LOCATED INTERIOR TO BUILDING. PLACE IN WALL MOUNT ENCLOSURE LOCKING BOX. COORDINATE EXACT LOCATION W/ OWNER'S REPRESENTATIVE. INSTALL CONTROLLER AND GROUNDING PER MFR SPECIFICATIONS AND DETAILS C1&C5/L-003
	CISTERNS CONTRACTOR SHALL CONNECT TO CISTERN PIPE AFTER PUMP. DESIGN IS BASED ON AN AVAIL. FLOW OF 28 GPM & 65 PSI STATIC PRESSURE. CONTRACTOR SHALL MEASURE GPM & PRESSURE AFTER METER AND NOTIFY IRRIGATION DESIGNER TO VERIFY HYDRAULICS.

	POINT OF CONNECTION CONTRACTOR SHALL CONNECT TO NEW DOMESTIC SERVICE LINE (BY OTHERS) AFTER METER. DESIGN IS BASED ON AN AVAIL. FLOW OF 101 GPM & 65 PSI STATIC PRESSURE. CONTRACTOR SHALL MEASURE GPM & PRESSURE AFTER METER AND NOTIFY IRRIGATION DESIGNER TO VERIFY HYDRAULICS.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 PVC SCH. 40 LATERAL LINE. SIZE PER PIPE SIZING ON PLAN. SEE DETAIL E3/L-003
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 PVC SCH. 40 LATERAL LINE. SIZE PER PIPE SIZING ON PLAN. SEE DETAIL E3/L-003
	IRRIGATION MAINLINE: PVC SCHEDULE 40 PVC SCH. 40 LATERAL LINE. SIZE PER PIPE SIZING ON PLAN. SEE DETAIL E3/L-003



NOTE:

IRRIGATION SYSTEM DESIGNED BASED ON A STATIC PRESSURE OF 70 PSI. THIS IS A NON-POTABLE WATER SYSTEM, AND ALL COMPONENTS SHALL BE COMPLIANT WITH A RECLAIMED WATER SYSTEM. CONTRACTOR TO FIELD LOCATE CONTROLLERS WITH OWNER'S REPRESENTATIVE. THIS IRRIGATION SYSTEM WILL BE CONNECTED TO POTABLE WATER ADDITIONALLY AND THEREFORE A BACKFLOW PREVENTER IS REQUIRED AT POTABLE CONNECTION. THE ENTIRETY OF THE SYSTEM WILL BE INSTALLED WITH NON-POTABLE COMPONENTS SUCH AS PURPLE PIPE AND VALVE BOXES.



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CERRILLOS SENIOR CENTER  
& TURQUOISE TRAIL FIRE  
STATION #3

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NEW MEXICO 87010

Current Status:  
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REVISIONS	
ADDENDUM-1	10-15-21

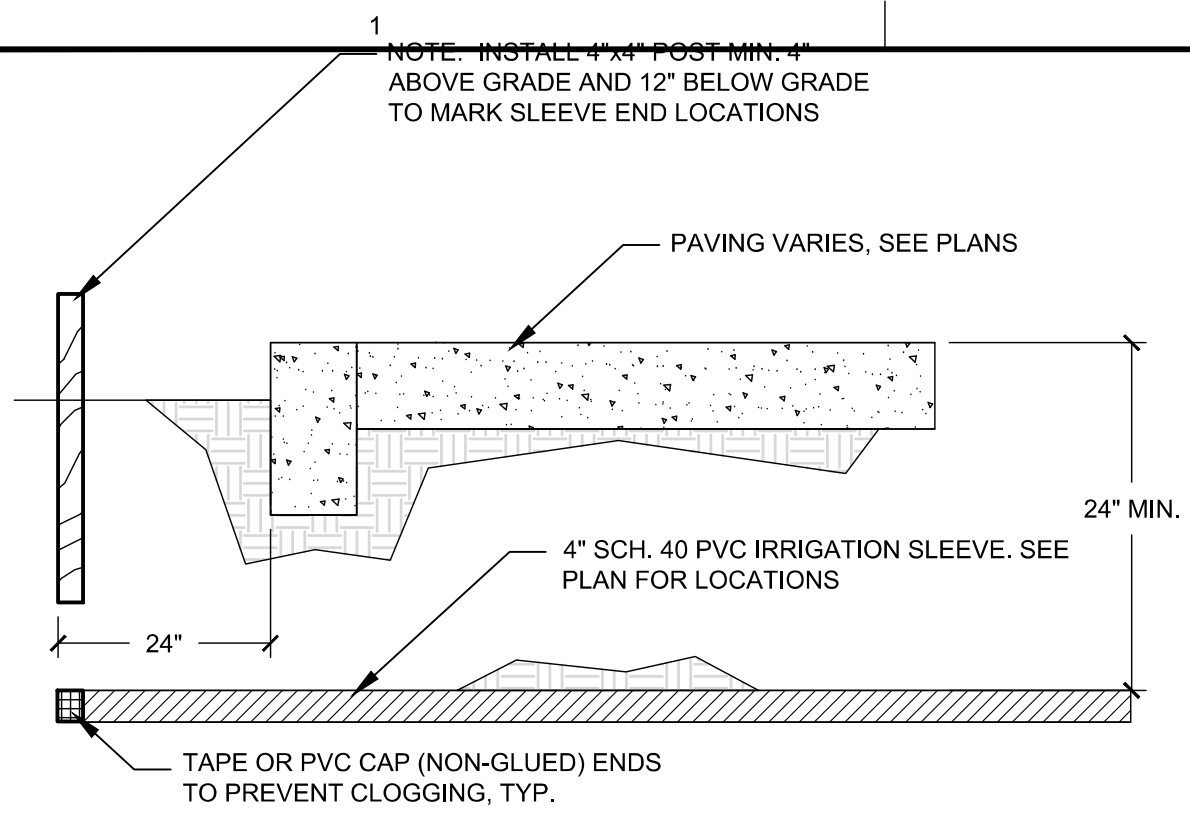
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Date: 10-15-2021

Sheet Title:  
LANDSCAPE  
IRRIGATION  
PLAN

Job Number:  
Sheet No.

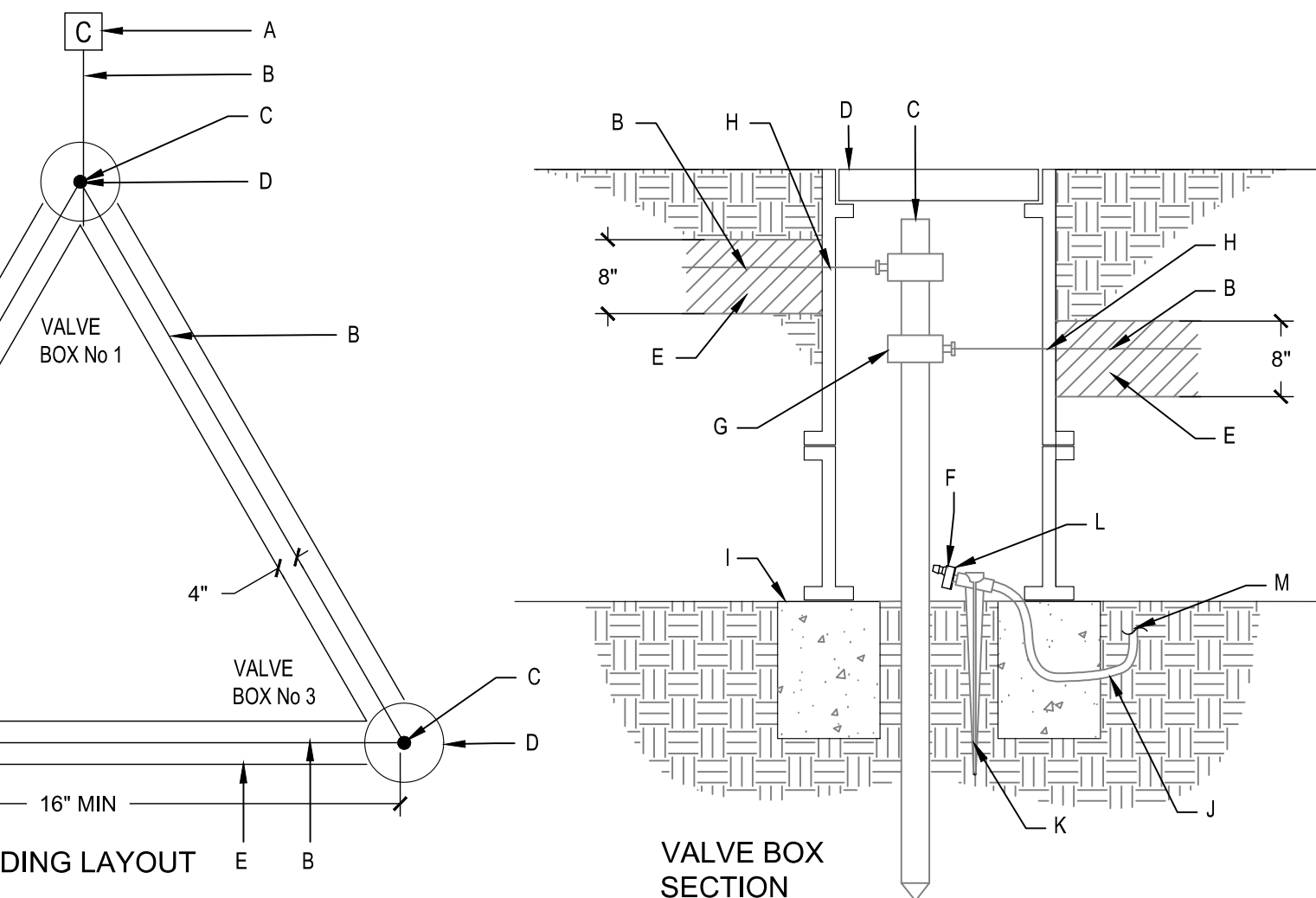
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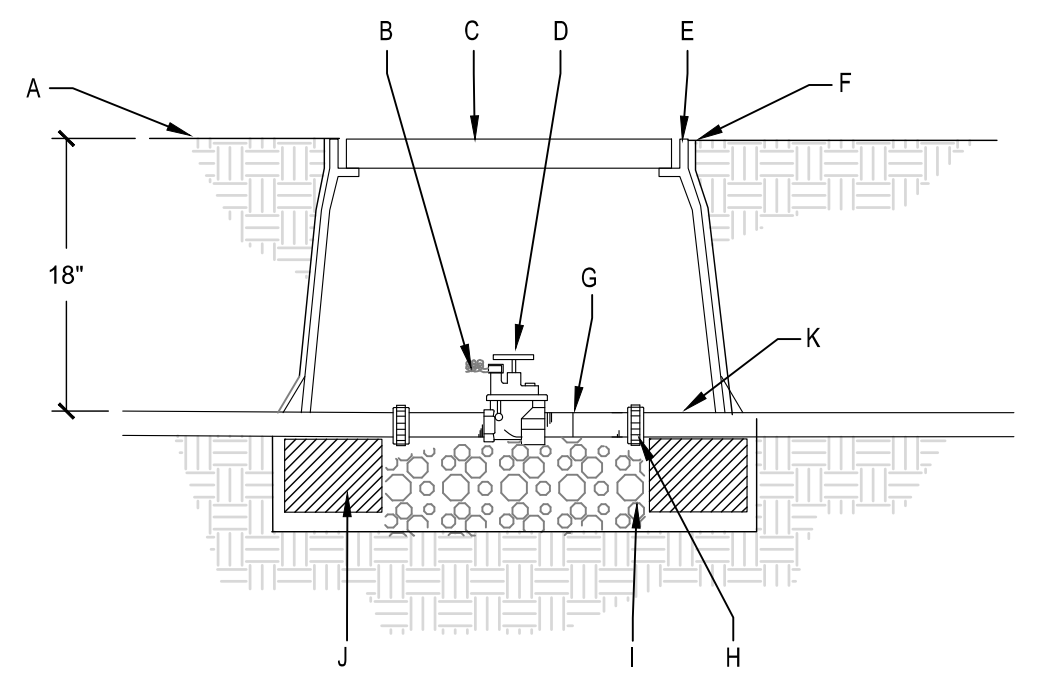
**E1 IRRIGATION SLEEVING**  
SCALE:  
NTS

- CONSTRUCTION NOTES:
- IRRIGATION CONTROLLER. SEE IRRIGATION LEGEND.
  - #10 AWG WIRE FROM IRRIGATION CONTROLLER TO GROUND ROD CLAMP. WIRE SHALL BE INSTALLED STRAIGHT AND TAUT.
  - 8' LENGTH GROUND ROD, QUANTITY AS REQUIRED TO ACHIEVE MAX 10 OHMS RESISTANCE (MIN 3 RODS AT EACH CONTROLLER). PLACE RODS A MINIMUM OF 18' FROM ONE ANOTHER AND 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).
  - 7" DIAMETER X 9" DEEP CARSON 700 SERIES VALVE BOX WITH COVER. COLOR TO MATCH ADJACENT MATERIAL (TURF-GREEN, MULCH-TAN) OR PURPLE IF RECLAIMED WATER SYSTEM.
  - 8" DEPTH COMPACTED (90% MODIFIED PROCTOR DENSITY MIN.) PLANTING SOIL MIXTURE (4" DEPTH ABOVE AND 4" DEPTH BELOW GROUND WIRE).
  - DRIP EMITTER. (ONE 5 GPH DRIP EMITTER AT EACH GROUNDING ROD)
  - GROUND ROD CLAMP
  - DRILL A SMALL OPENING IN VALVE BOX TO MAINTAIN WIRE TAUTNESS.
  - 8"x8"x16" SOLID CMU BLOCK, 2 PER BOX.
  - 1/4-INCH VINYL DISTRIBUTION TUBING; RAIN BIRD DT-025
  - 1/4-INCH TUBING STAKE; RAIN BIRD TS-025
  - DIFFUSER BUG CAP; RAIN BIRD DBC-025
  - TO MULTI OUTLET EMISSION DEVICE SEE DETAIL B/14-24

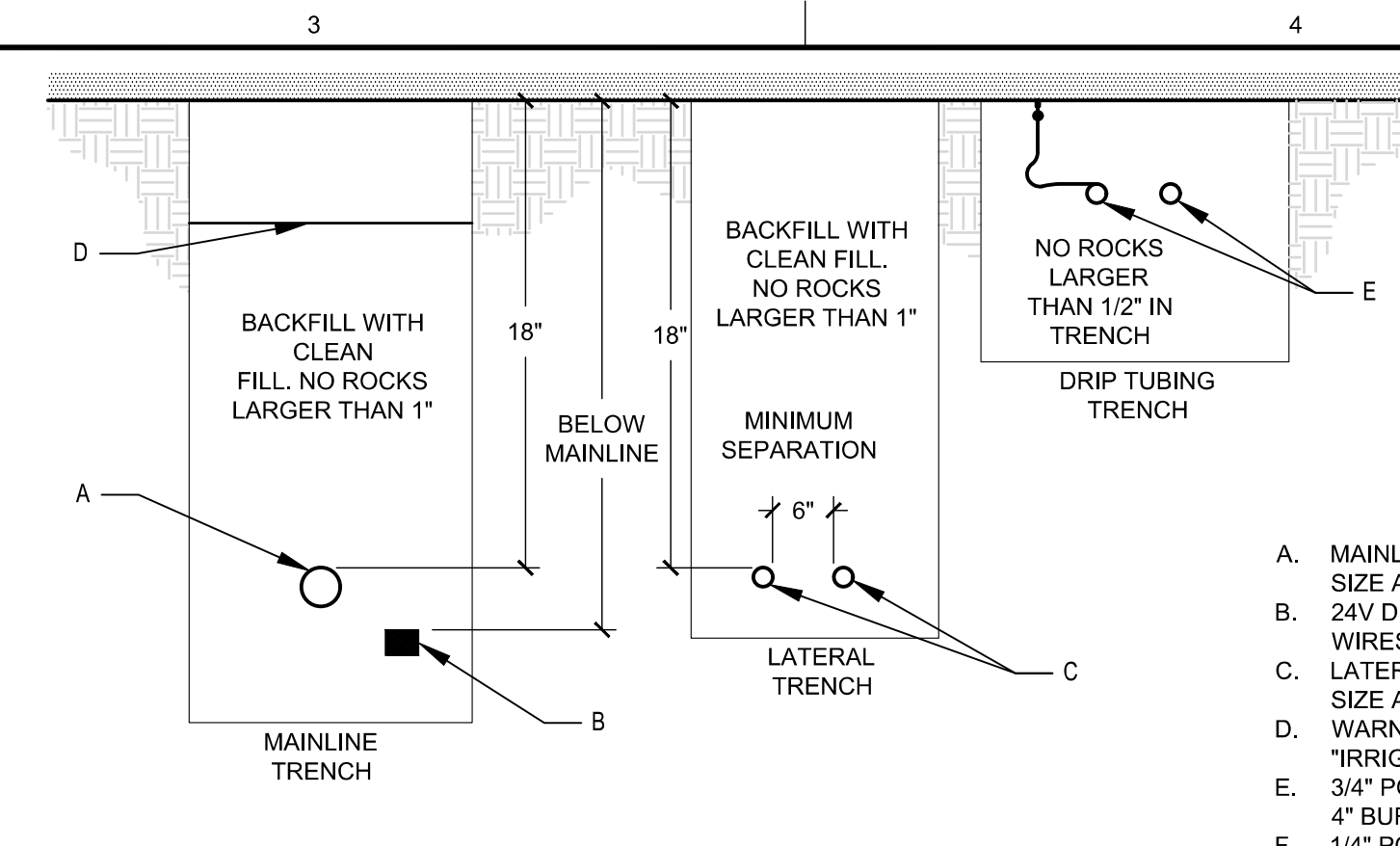


**C1 CONTROLLER GROUNDING**  
SCALE:  
NTS

- CONSTRUCTION NOTES:
- FINISH GRADE. (TOP OF FINISH MATERIAL)
  - WIRE EXPANSION COIL. EXTEND WIRE 12" ABOVE VALVE BOX FOR SERVICE.
  - CARSON BOLT DOWN (ABS) BOX COVER. COLOR TO MATCH MULCH.
  - ELECTRIC MASTER VALVE - SEE IRRIGATION LEGEND.
  - CARSON PRODUCTS INC. 1419-18 (ABS) VALVE BOX WITH 8" EXTENSIONS AS NECESSARY. COLOR TO MATCH MULCH.
  - DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX INSTALLATION. TAPE TO ALL INLET AND OUTLET PIPE.
  - SCHEDULE 80 PVC NIPPLE.
  - SCH 80 PVC UNION
  - 8" DEPTH, 3/8" DIAMETER PEA GRAVEL.
  - 8" X 8" X 16" SOLID CMU BLOCK.
  - SERVICE LINE.

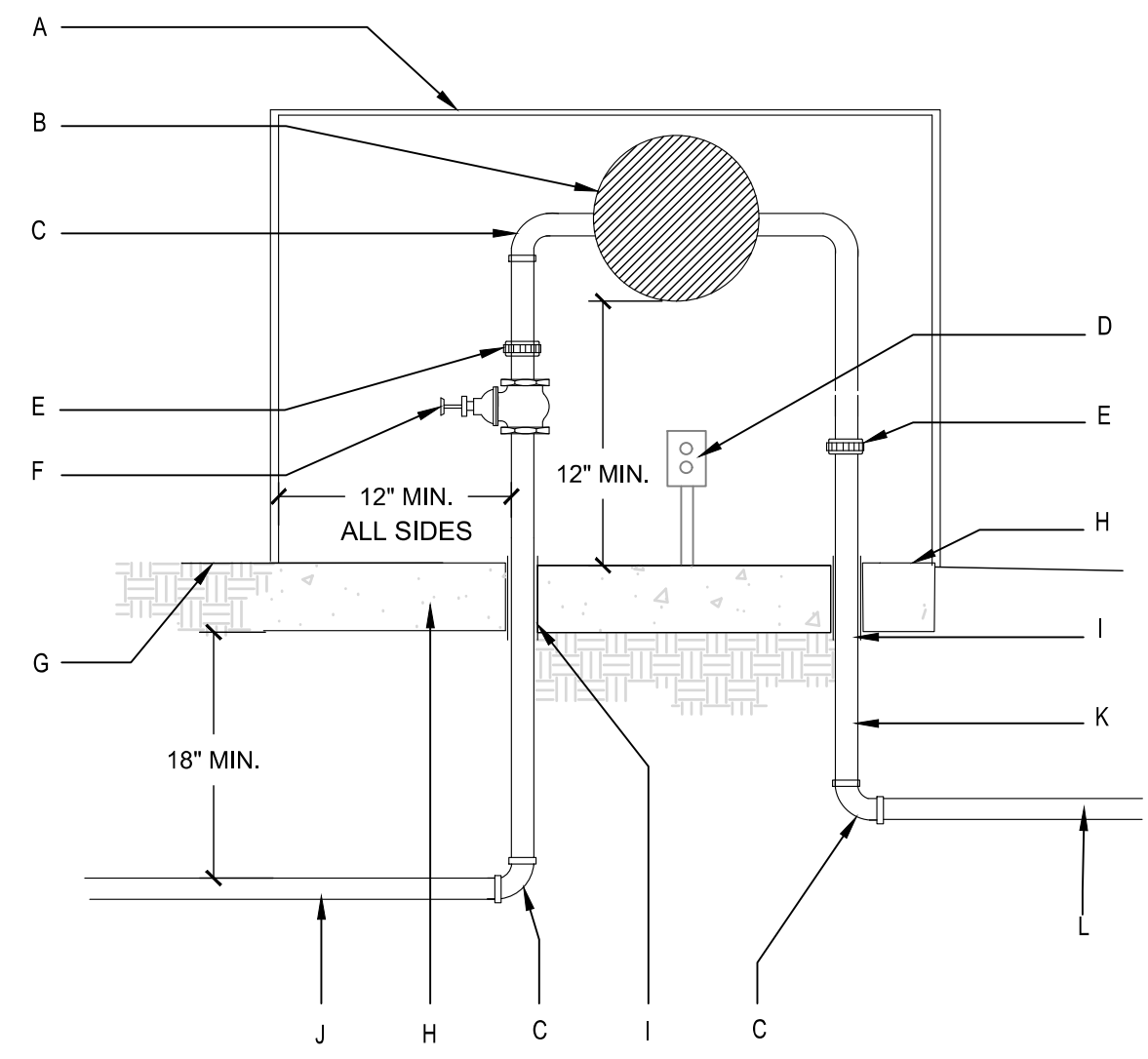


**A1 IRRIGATION MASTER VALVE**  
SCALE:  
NTS



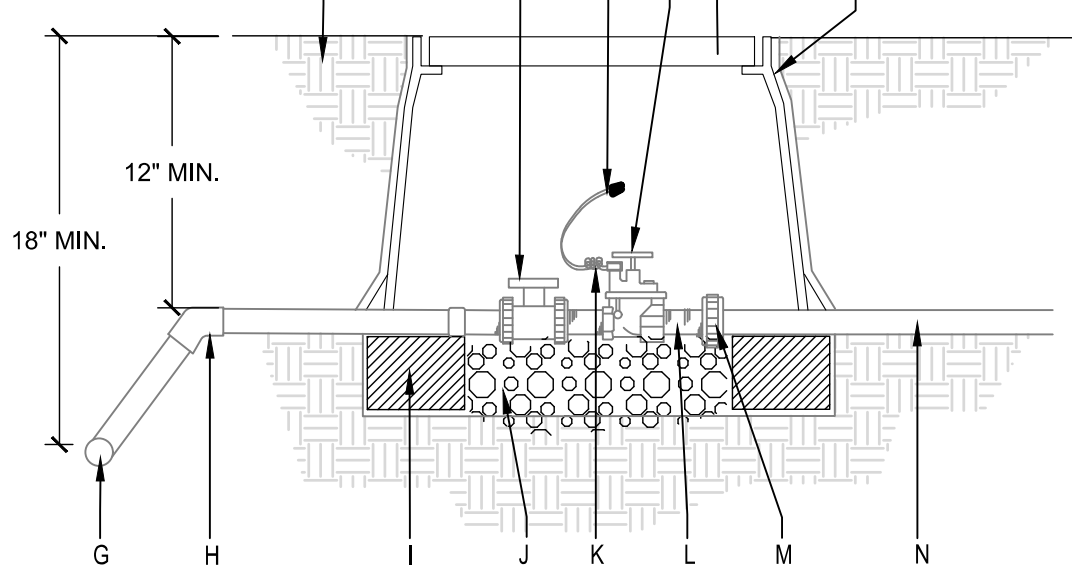
**E3 PIPE AND WIRE DEPTH OF BURIAL**  
SCALE:  
NTS

- MAINLINE PIPING- SEE PLAN FOR SIZE AND TYPE.
- 24V DIRECT BURY ELECTRICAL WIRES.
- LATERAL PIPING- SEE PLAN FOR SIZE AND TYPE.
- WARNING TAPE- 3" WIDE "IRRIGATION".
- 3/4" POLYETHYLENE DRIP TUBING - 4" BURY.
- 1/4" POLYETHYLENE SPAGHETTI DISTRIBUTION TUBING - 4" BURY.

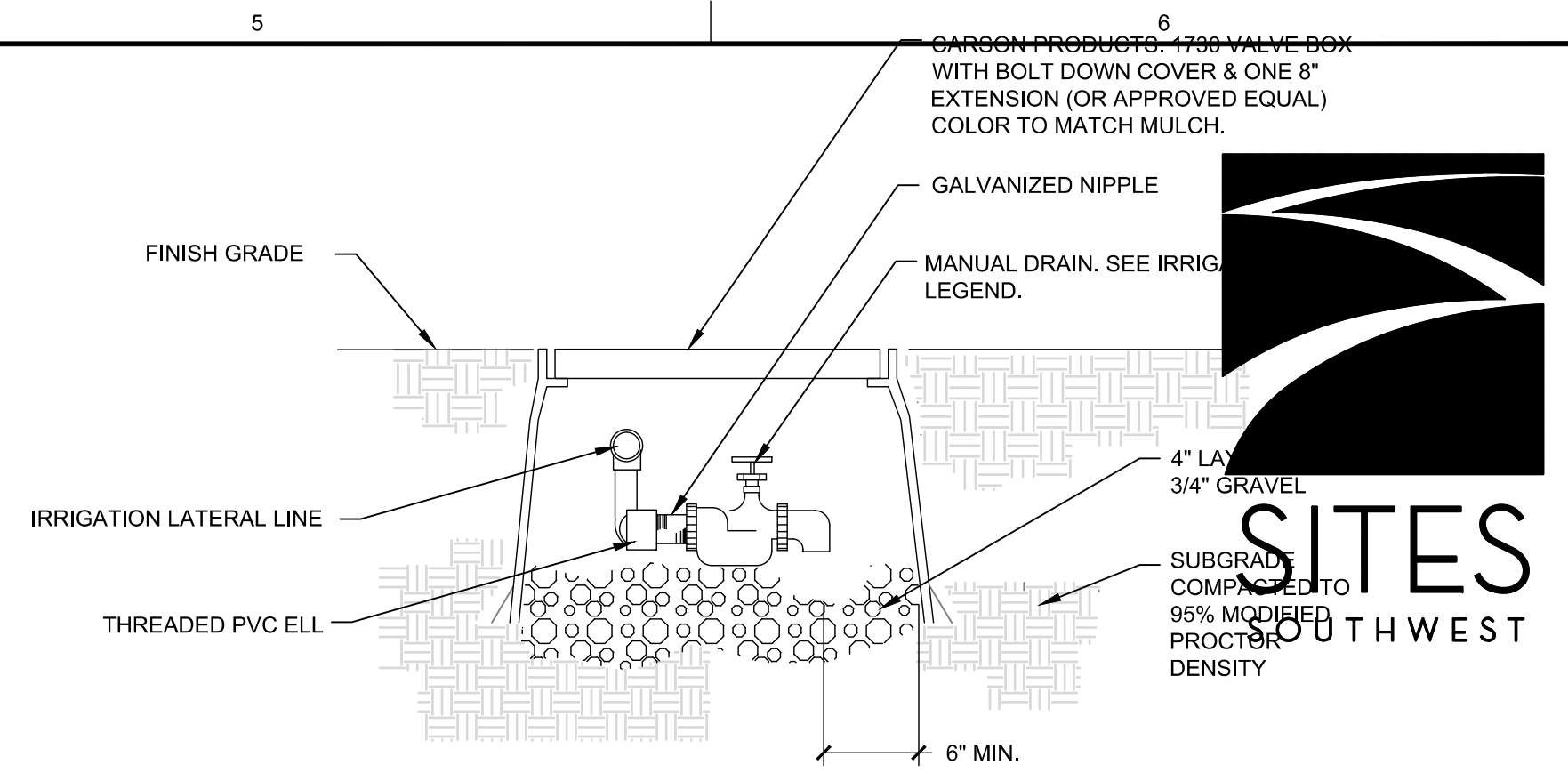


**C3 REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY**  
SCALE:  
NTS

- CONSTRUCTION NOTES:
- FINISH GRADE.
  - BALL VALVE- SEE IRRIGATION LEGEND.
  - DRY SPLICE CONNECTOR OR EQUAL.
  - ELECTRIC VALVE - SEE IRRIGATION LEGEND.
  - CARSON INDUSTRY 1419 (ABS) 18" VALVE BOX W/ BOLT DOWN COVER (ABS) AND ONE 8" EXTENSION. COLOR, TO MATCH ADJACENT MATERIAL (TURF-GREEN, MULCH-TAN) OR PURPLE IF RECLAIMED WATER SYSTEM.
  - PROVIDE DEWITT PRO 5 WEED CLOTH ALONG SIDES AND BASE OF VALVE BOX INSTALLATION. TAPE TO ALL INLET AND OUTLET PIPE.
  - PVC MAINLINE-SEE IRRIGATION LEGEND.
  - SCH 80 - 45 DEGREE FITTING.
  - 8" X 8" X 16" SOLID CMU BLOCK.
  - 8" DEPTH, 3/8" DIAMETER PEA GRAVEL.
  - 24" WIRE EXPANSION COIL, EXTEND WIRE 12" ABOVE VALVE BOX FOR SERVICE.
  - SCHEDULE 80 PVC CLOSE NIPPLE.
  - SCH 80 PVC UNION.
  - LATERAL LINE.

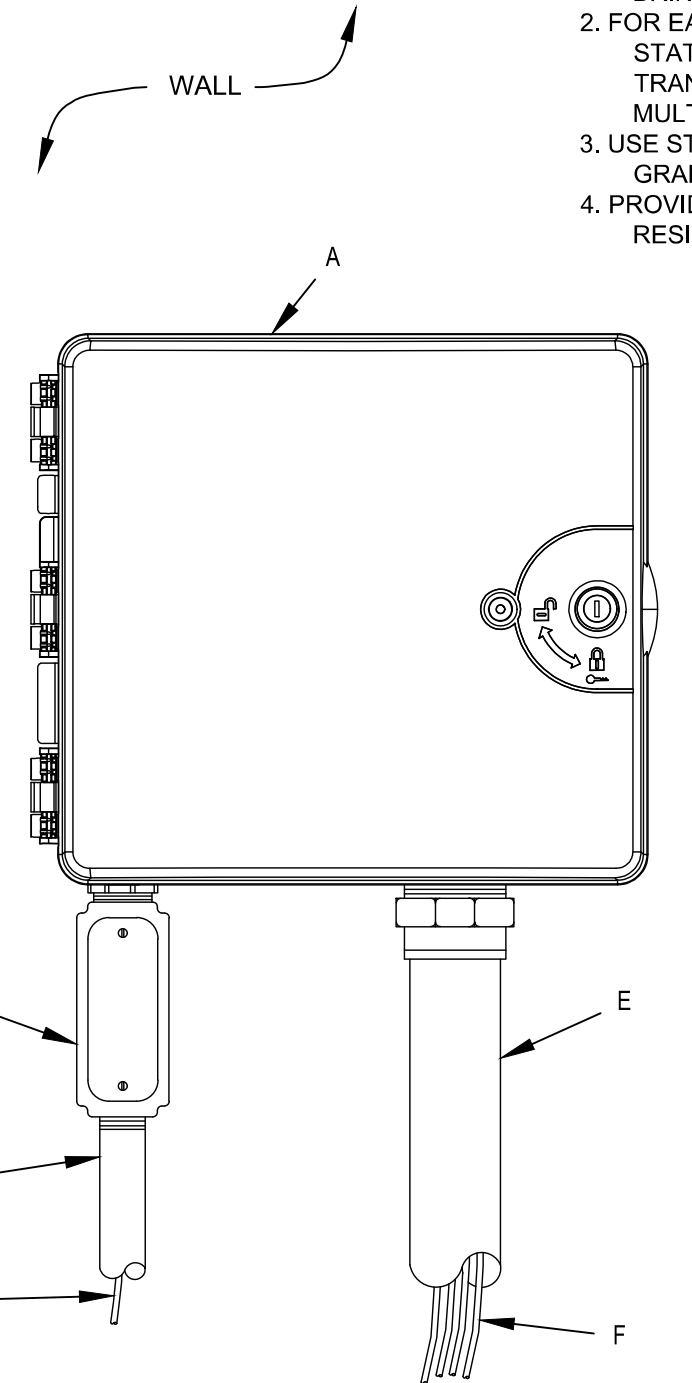


**A3 IRRIGATION CONTROL VALVE**  
SCALE:  
NTS



**E5 MANUAL DRAIN**  
SCALE:  
NTS

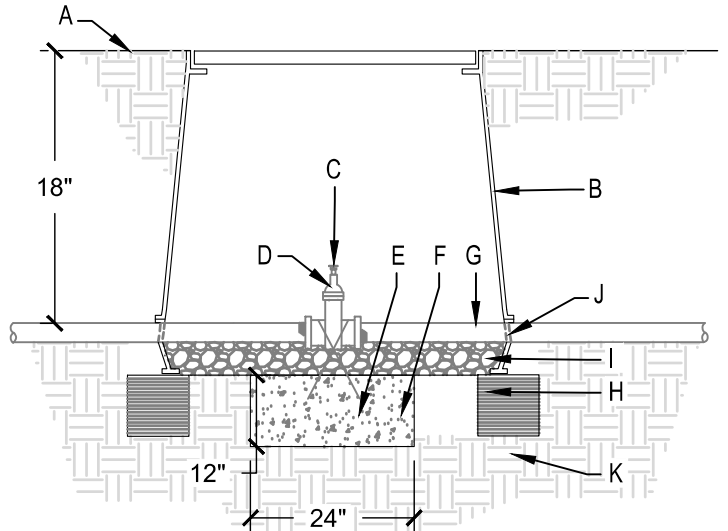
- NOTES:
- ESP-LXME CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
  - FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
  - USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
  - PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.



**C5 CONTROLLER (WALL MOUNT)**  
SCALE:  
NTS

- CONSTRUCTION NOTES:
- FINISH GRADE (FLUSH WITH VALVE BOX IN TURF, 1/2" BELOW TOP OF VALVE BOX IN MULCH).
  - APPLIED ENGINEERING OR APPROVED EQUAL 1730-18 VALVE BOX WITH 1730-3B BOLT DOWN COVER AND ONE 8" EXTENSION. COLOR TO MATCH ADJACENT MATERIAL (TURF-GREEN, MULCH-TAN) OR PURPLE IF RECLAIMED WATER SYSTEM.
  - OPERATING UNIT
  - "O" RING GASKET VALVE.
  - NO. 4 REBAR.
  - THRUST BLOCK-4000 PSI CONCRETE PLACED AGAINST UNDISTURBED SOIL.
  - IRRIGATION MAINLINE.
  - 8" X 8" X 16" SOLID CMU BLOCK.
  - IRRIGATION MAINLINE.
  - 3/4" TO 1" DIAMETER CRUSHED GRAVEL, 6" DEPTH. GRAVEL SHALL BE WASHED FREE OF DIRT AND FINES.
  - CUT NOTCH IN VALVE BOX EXTENSION FOR NIPPLE. EDGE OF NOTCH SHALL BE MAX. 1/2" FROM EDGE OF PIPE.
  - SUBGRADE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.

- GENERAL NOTES:
- INSTALL AN 8"x8"x16" SOLID CMU BLOCK AT EACH END OF THE VALVE BOX.



**A5 BRASS BALL ISOLATION VALVE**  
SCALE:  
NTS

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**CERRILLOS SENIOR CENTER**  
**& TURQUOISE TRAIL FIRE**  
**STATION #3**  
16 MAIN STREET, CERRILLOS,  
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Current Status:  
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REVISIONS	
ADDENDUM-1	10-15-21

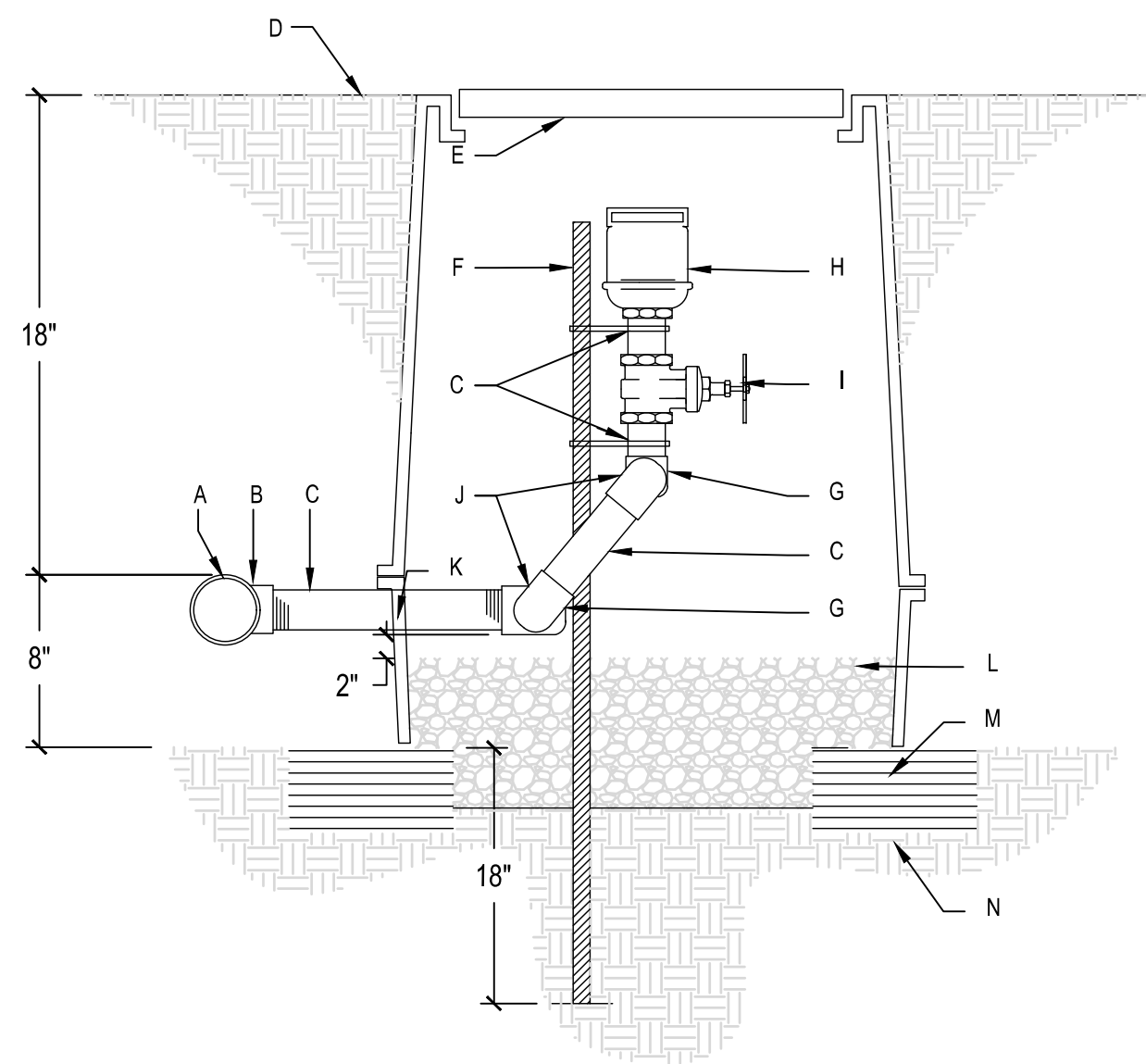
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**LANDSCAPE IRRIGATION DETAILS**

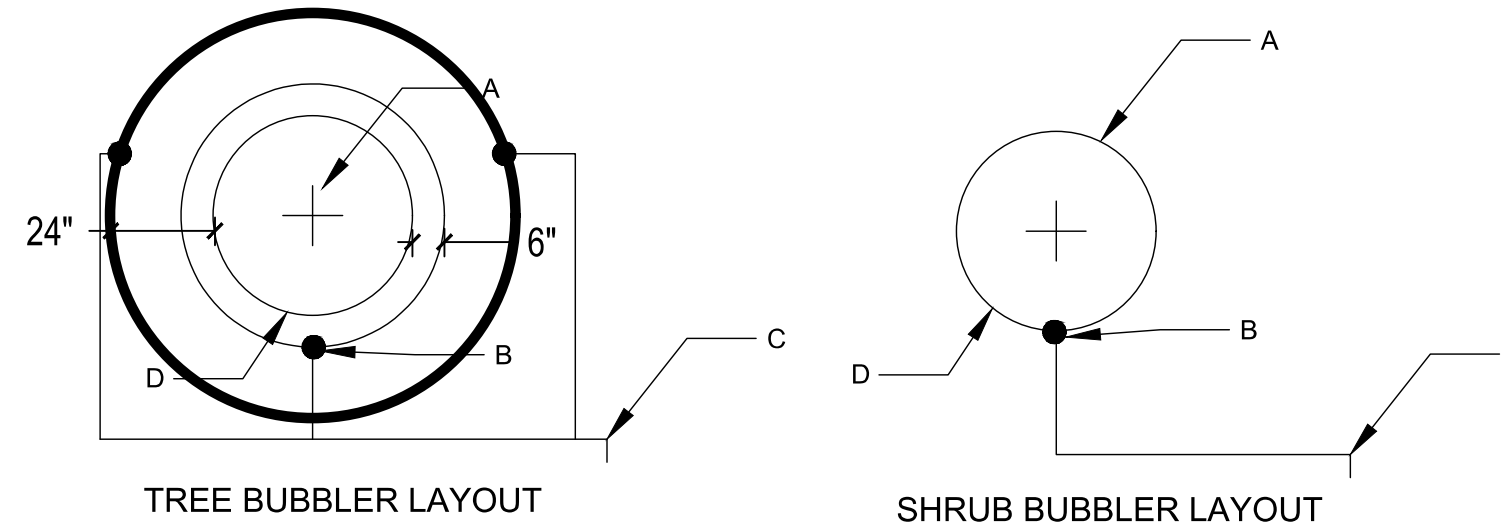
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**L-003**

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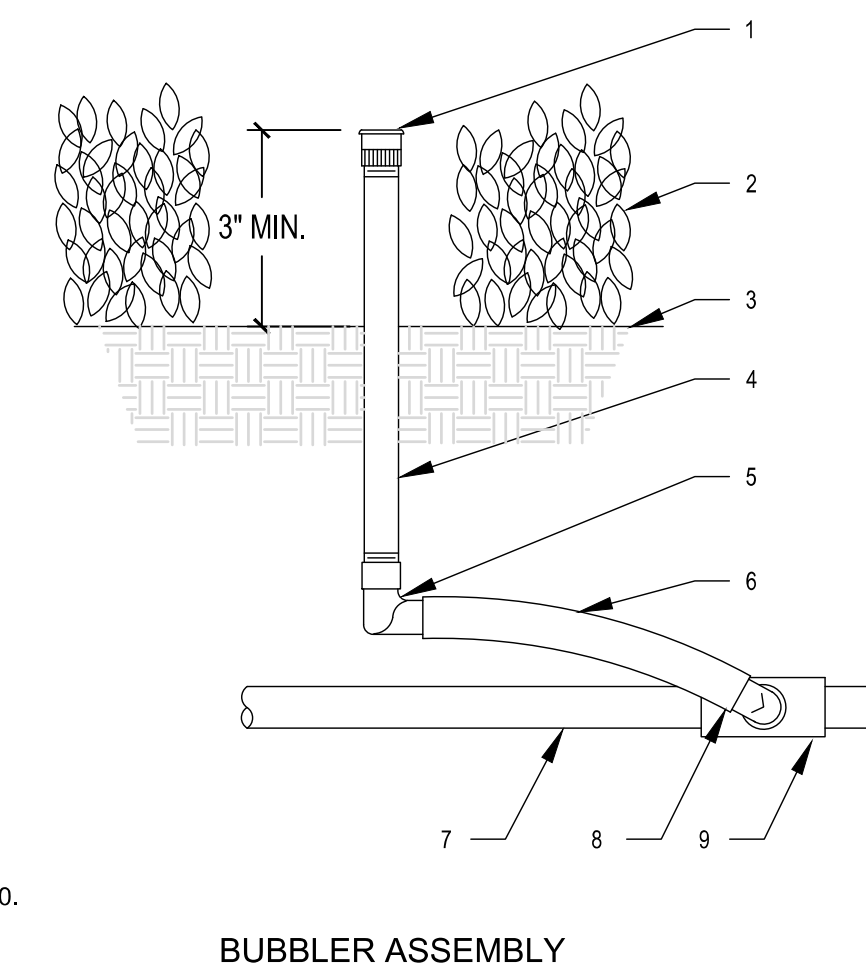


- CONSTRUCTION NOTES:**
- IRRIGATION MAINLINE.
  - IRRIGATION MAINLINE TEE.
  - SCH 80 PVC NIPPLE.
  - FINISH GRADE (FLUSH WITH VALVE BOX IN TURF, 1/2" BELOW TOP OF VALVE BOX IN MULCH).
  - CARSON, OR APPROVED EQUAL, 1730-18 VALVE BOX WITH 1730-3B BOLT DOWN COVER AND ONE 8" EXTENSION. COLOR: PURPLE FOR RECLAIMED WATER SYSTEM.
  - TEE POST (MINIMUM 18" DEPTH INTO GRADE), SECURED TO IRRIGATION COMPONENTS WITH MINIMUM 17 GA. GALVANIZED WIRE.
  - SCH 40 PVC ELL.
  - AIR RELEASE VALVE (SEE IRRIGATION LEGEND).
  - BRASS GATE VALVE.
  - SCH 40 PVC ST. ELL.
  - CUT NOTCH IN VALVE BOX EXTENSION FOR NIPPLE. EDGE OF NOTCH SHALL BE MAXIMUM 1/2" FROM EDGE OF PIPE.
  - 3/4" TO 1" DIAMETER CRUSHED GRAVEL, 6" DEPTH. GRAVEL SHALL BE WASHED FREE OF DIRT AND FINES.
  - 8"X8"X16" SOLID CMU BLOCK (FOUR PER VALVE BOX).
  - SUBGRADE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- GENERAL NOTES:**
- INSTALL AN 8"X8"X16" SOLID CMU BLOCK AT EACH CORNER OF VALVE BOX.
  - AIR RELIEF VALVE SHALL BE INSTALLED DOWNSTREAM OF THE MASTERVALVE AT HIGHPOINT OF MAINLINE AND AT HIGH POINT OF LATERAL LINES FOR ALL DRIP ZONES.



- CONSTRUCTION NOTES FOR BUBBLER LAYOUT:**
- CENTER OF SHRUB/TREE.
  - BUBBLER (SEE IRRIGATION LEGEND) INSTALLED AT GRADE, TYP. (CENTERED). SHRUBS=0.25 GPM BUBBLER; ONE (1) PER SHRUB. TREES= 0.50 GPM BUBBLER; THREE (3) PER TREE.
  - 3/4" LATERAL.
  - EDGE OF ROOTBALL.
- GENERAL NOTE:**
- BUBBLER SHALL BE INSTALLED UPHILL OF THE SHRUB/TREE.

- CONSTRUCTION NOTES FOR BUBBLER ASSEMBLY:**
- PRESSURE COMPENSATING FULL CIRCLE BUBBLER. RAIN BIRD 1400.
  - PLANT MATERIAL.
  - FINISH GRADE/TOP OF MULCH.
  - UV RADIATION RESISTANT 3/8" SCH 80 NIPPLE. LENGTH AS REQUIRED.
  - 3/8" FEMALE NPT x 0.490" BARB ELBOW; RAIN BIRD MODEL: SBFE-050.
  - SWING PIPE, 12-INCH LENGTH; RAIN BIRD MODEL SP-100.
  - PVC LATERAL PIPE.
  - 3/8" MALE NPT x .490" BARB ELBOW; RAIN BIRD MODEL SBE-050.
  - PVC SCH 40 TEE OR ELL.



BUBBLER ASSEMBLY



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**E1 AIR RELIEF VALVE**  
SCALE:  
NTS

**E3 IRRIGATION BUBBLER(S) AT SHRUB/TREE**  
SCALE:  
NTS

**IRRIGATION NOTES**

- WORK CONSISTS OF INSTALLING AN UNDERGROUND IRRIGATION SYSTEM THAT UTILIZES NEW MAINLINE, BUBBLERS, DRIP SYSTEMS, ZONE VALVES, PIPING, HEADS AND NOZZLES AS SHOWN ON THESE PLANS, DETAILS AND SPECIFICATIONS. THE CONTRACTOR PERFORMING THIS WORK SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERMITS NECESSARY FOR THE COMPLETION OF THE IRRIGATION SYSTEM, EXCEPT FOR THOSE COMPONENTS SPECIFIED TO BE FURNISHED BY OTHERS.
- THE IRRIGATION SYSTEM IS DESIGNED FOR AN APPROXIMATE OPERATING PRESSURE OF 65 PSI AND AVAILABLE FLOW OF 80 GPM AT THE POINT OF CONNECTION. CONTRACTOR SHALL FIELD VERIFY PRESSURE PRIOR TO INITIATION OF CONSTRUCTION. THIS INFORMATION SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE FOR APPROVAL, PRIOR TO PROCEEDING.
- ALL NEW PLANT MATERIALS SHALL BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEMS AS PER PLANS, DETAILS AND AS PER THE SPECIFICATIONS SECTION 32 8400, LANDSCAPE IRRIGATION, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- FLUSH ALL LINES AND VALVES PRIOR TO INSTALLING HEADS.
- IRRIGATION PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE OF DRAWINGS. THE DESIGN INTENT IS TO HAVE ALL IRRIGATION PIPING IN THE LANDSCAPE AREAS. SOME OF THOSE LINES ARE SHOWN OUTSIDE OF THOSE AREAS FOR GRAPHIC CLARITY. ALL VALVES SHALL BE LOCATED IN PLANTING AREAS WHERE SHOWN AND ALL PIPING SHALL BE INSTALLED PRIOR TO LANDSCAPING OR PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACK FILL.
- CONTRACTOR TO PROTECT ALL EXISTING TREE AND SHRUB ROOT ZONES WHEN TRENCHING. THERE SHALL BE NO MECHANICAL TRENCHING WITHIN DRIP LINE OF TREES. ANY EXCEPTIONS WILL NEED TO BE SUBMITTED TO LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE FOR APPROVAL. EXISTING TREES INCLUDE THOSE SHOWN ON THE PLANS, AS WELL AS THOSE NOT IDENTIFIED ON THE SURVEY.
- COMPLY WITH REQUIREMENTS AND ORDINANCES OF THE UNIFORM PLUMBING CODE, THE CITY OF SANTA FE, EL DORADO, SANTA FE COUNTY AND OTHER GOVERNMENTAL BODIES HAVING JURISDICTION PERTAINING TO LANDSCAPE IRRIGATION.
- REFER TO IRRIGATION DETAILS, SPECIFICATIONS SECTION 32 8400 AND MANUFACTURERS RECOMMENDATIONS FOR ALL INSTALLATION PROCEDURES NOT FULLY DESCRIBED ON THE IRRIGATION PLANS.
- ALL BACK FILLING SHALL BE CLEAN MATERIAL FROM EXCAVATION. BACK FILLED TRENCH IS TO BE EVEN WITH EXISTING GRADES AFTER COMPACTION.
- TRENCH BACK FILL MATERIAL SHALL BE COMPACTED TO 85% PROCTOR DENSITY IN 6" LIFTS. BACK FILLING OF TRENCHES AND PLANTING BEDS SHALL NOT PROCEED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE.
- AS-BUILT RECORD IRRIGATION DRAWINGS TO BE FURNISHED BY CONTRACTOR PRIOR TO FINAL ACCEPTANCE. A LAMINATED HALF SIZE COPY OF THE IRRIGATION PLANS SHALL BE PROVIDED TO THE OWNER AND GALLUP PARKS AND RECREATION AT THE CONCLUSION OF CONSTRUCTION ACTIVITIES.
- ALL PLANT MATERIALS INSTALLED SHALL HAVE THE AUTOMATIC IRRIGATION SYSTEM FULLY OPERABLE AT THE TIME OF PLANT INSTALLATION UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL IRRIGATION PIPING LOCATED UNDER PAVED AREAS OR PERIODICALLY DRIVEN AREAS SHALL BE SLEEVED, AND AS SHOWN ON THE PLANS.
- ALL MAINLINE, WIRING, VALVES AND VALVE BOXES SHALL NOT BE LOCATED WITHIN FLOOD IRRIGATED AREAS INCLUDING SWALE OR PONDING AREAS. ALL WIRING SHALL BE SLEEVED IN A SEPARATE SLEEVE.
- CONTRACTOR SHALL PROVIDE APPROPRIATELY SIZED VALVE WIRING BASED ON ACTUAL DISTANCES AND DEMAND.
- FIELD STAKE ALL LATERAL AND MAIN LINE PLACEMENT FOR APPROVAL BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO TRENCHING.
- CONTRACTOR SHALL INSTALL ALL IRRIGATION EQUIPMENT AS SPECIFIED IN THE PLAN OR APPROVED EQUAL.

**IRRIGATION AUDIT VISUAL INSPECTION**

- CONTRACTOR SHALL PERFORM AN INSPECTION OF THE COMPLETED IRRIGATION SYSTEM UPON COMPLETION OF CONSTRUCTION TO ENSURE IRRIGATION SYSTEM IS IN GOOD WORKING ORDER.

**TESTING**

- UPON COMPLETION OF THE IRRIGATION SYSTEM'S MAINLINE, THE ENTIRE MAINLINE SHALL BE TESTED FOR A 4 (FOUR) HOUR PERIOD AT 150 PSI. PRIOR TO TESTING THE MAINLINE SHALL BE PARTIALLY BACKFILLED LEAVING ALL JOINTS AND CONNECTIONS EXPOSED FOR VISUAL INSPECTION. ALL DIRT SHALL BE FLUSHED FROM THE SYSTEM AND THE LINE FILLED WITH WATER TO REMOVE AIR. THE MAINLINE SHALL BE BROUGHT TO STATIC PRESSURE. A PRESSURE GAUGE AND TEMPORARY VALVE SHALL BE INSTALLED AT THE END OF THE MAINLINE TO PERMIT HYDROSTATIC PRESSURE TO BE APPLIED TO THE MAIN. A PRESSURE OF 150 PSI MUST BE RETAINED FOR A 4 (FOUR) HOUR PERIOD. ANY LEAKS RESULTING IN THE 4 (FOUR) HOUR PRESSURE TEST SHALL BE REPAIRED AND THE SYSTEM RETESTED UNTIL THE SYSTEM PASSES THE TEST.
- UPON COMPLETION OF THE IRRIGATION SYSTEM'S LATERAL SECTIONS AND AFTER SUFFICIENT TIME HAS BEEN ALLOWED FOR SOLVENT WELD JOINTS TO CURE, THE ENTIRE SYSTEM SHALL BE HYDROSTATICALLY TESTED BY CAPPING OFF ALL SPRINKLER HEAD RISERS. ON SYSTEMS USING FLEX NIPPLES, OR SWING JOINTS, THE LATERAL LINE SHALL BE TESTED PRIOR TO INSTALLATION OF THE FLEX NIPPLES OR SWING JOINTS. PRIOR TO CAPPING, ALL AIR AND DIRT SHALL BE FLUSHED FROM THE SYSTEM AND THE PIPE PARTIALLY BACKFILLED BY CENTER LOADING, LEAVING ALL JOINTS, RISERS, SWING JOINTS AND CONNECTIONS EXPOSED FOR VISUAL INSPECTION. ALL LATERAL IRRIGATION PIPING MUST BE PRESSURE TESTED FOR 1 (ONE) HOUR AT 100 PSI. THE PROCEDURE SHALL BE THE SAME AS USED FOR THE MAINLINE. IF AFTER ONE HOUR NO VISIBLE LEAKAGE HAS OCCURRED AND THE 100 PSI PRESSURE HAS BEEN RETAINED, THE HEADS SHALL BE INSTALLED, AND THE BACKFILL OPERATION COMPLETED. ANY LEAKS RESULTING FROM THE HYDROSTATIC TEST SHALL BE REPAIRED AND THE SYSTEM RETESTED UNTIL THE SYSTEM PASSES THE TEST.

**CERRILLOS SENIOR CENTER & TURQUOISE TRAIL FIRE STATION #3**  
16 MAIN STREET, CERRILLOS, NEW MEXICO 87010

Current Status:

**BIDDING**

REVISIONS

ADDENDUM-1	10-15-21
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Drawn by: **WF**

Checked by: **RMO**

Date: 10-15-2021

Sheet Title:

**LANDSCAPE IRRIGATION DETAILS AND GEN NOTES**

Job Number:

Sheet No.

**L-004**



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 & TURQUOISE TRAIL FIRE  
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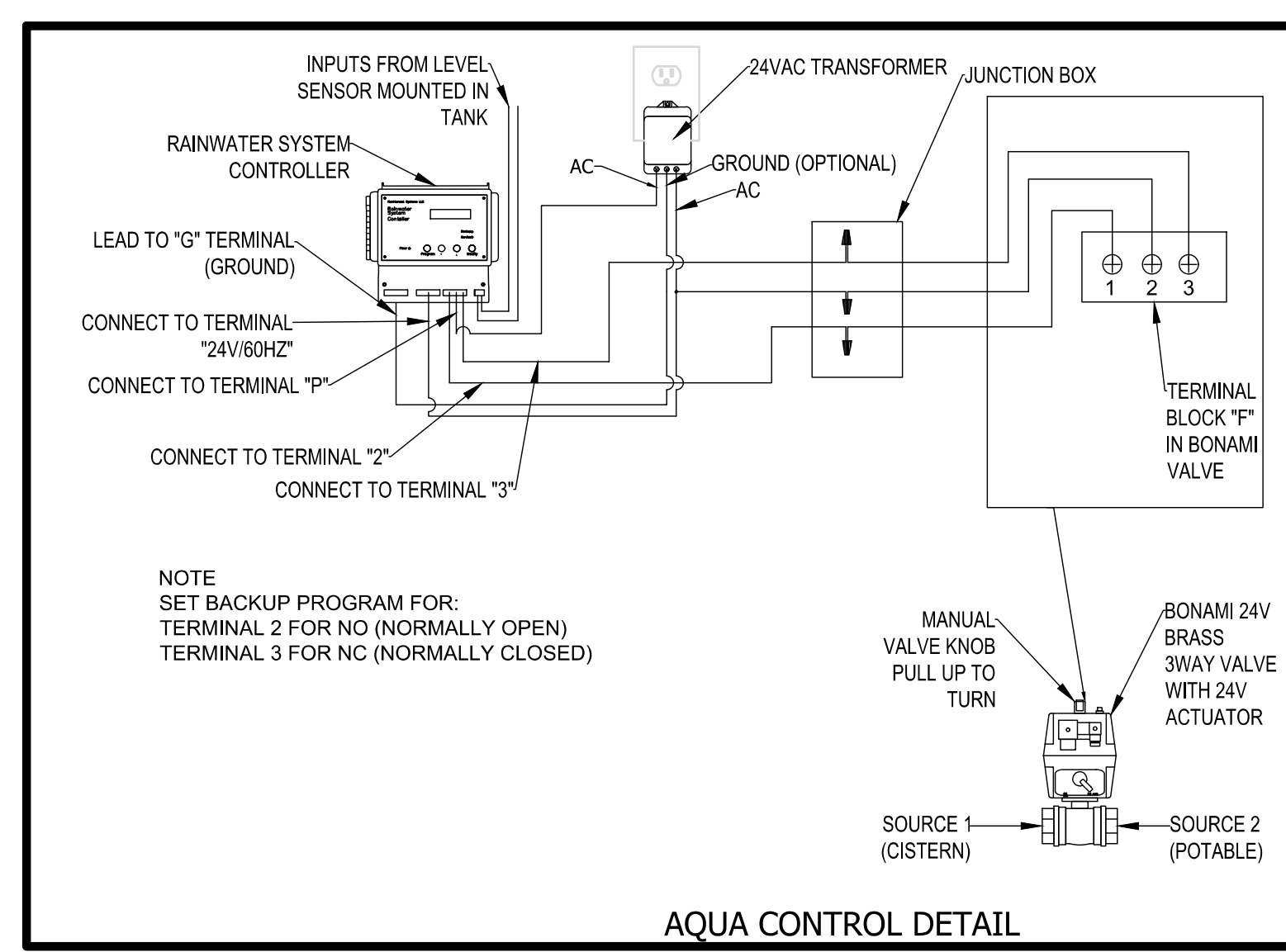
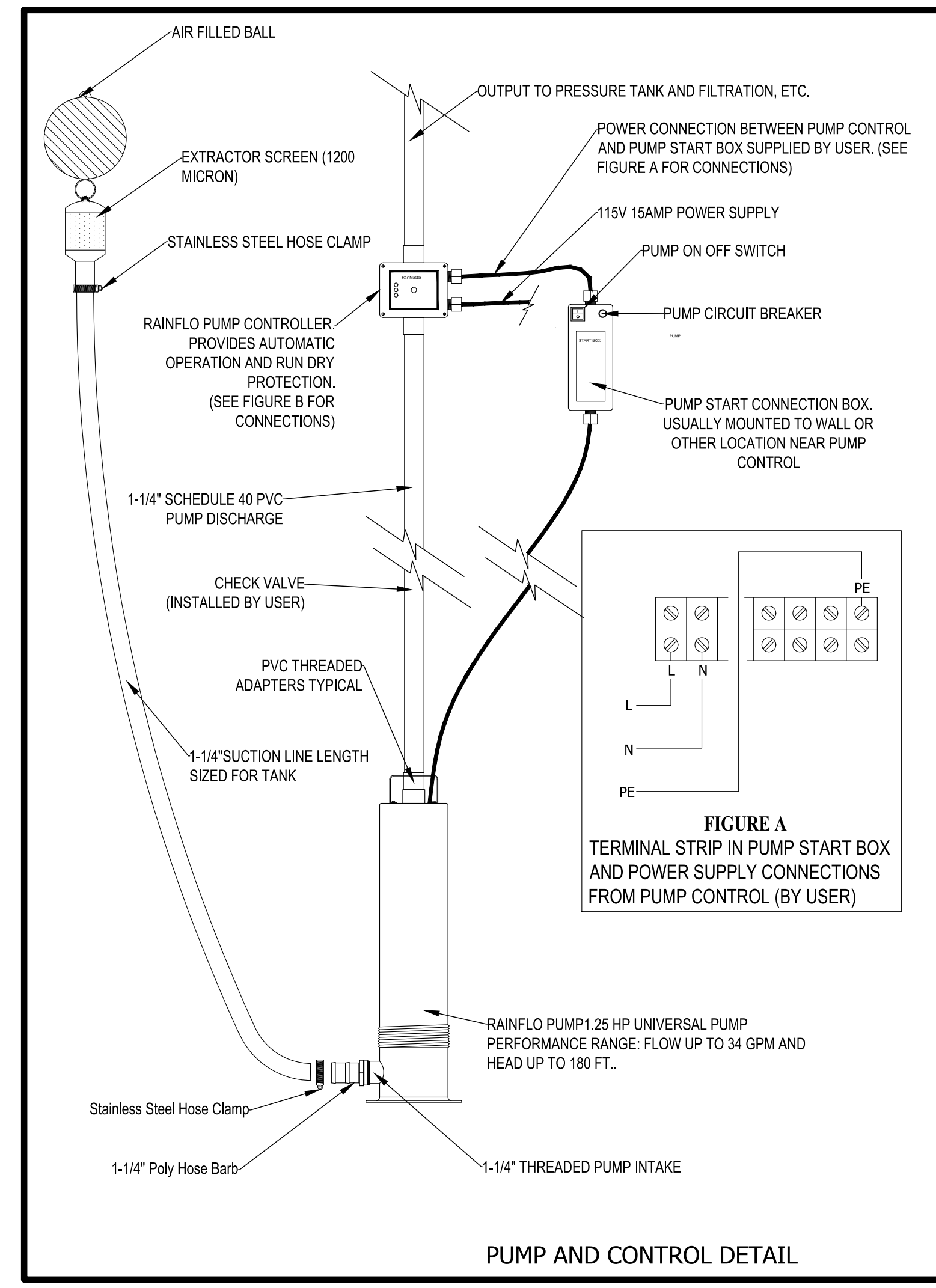
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**LANDSCAPE  
 IRRIGATION  
 DETAILS -  
 CISTERN**

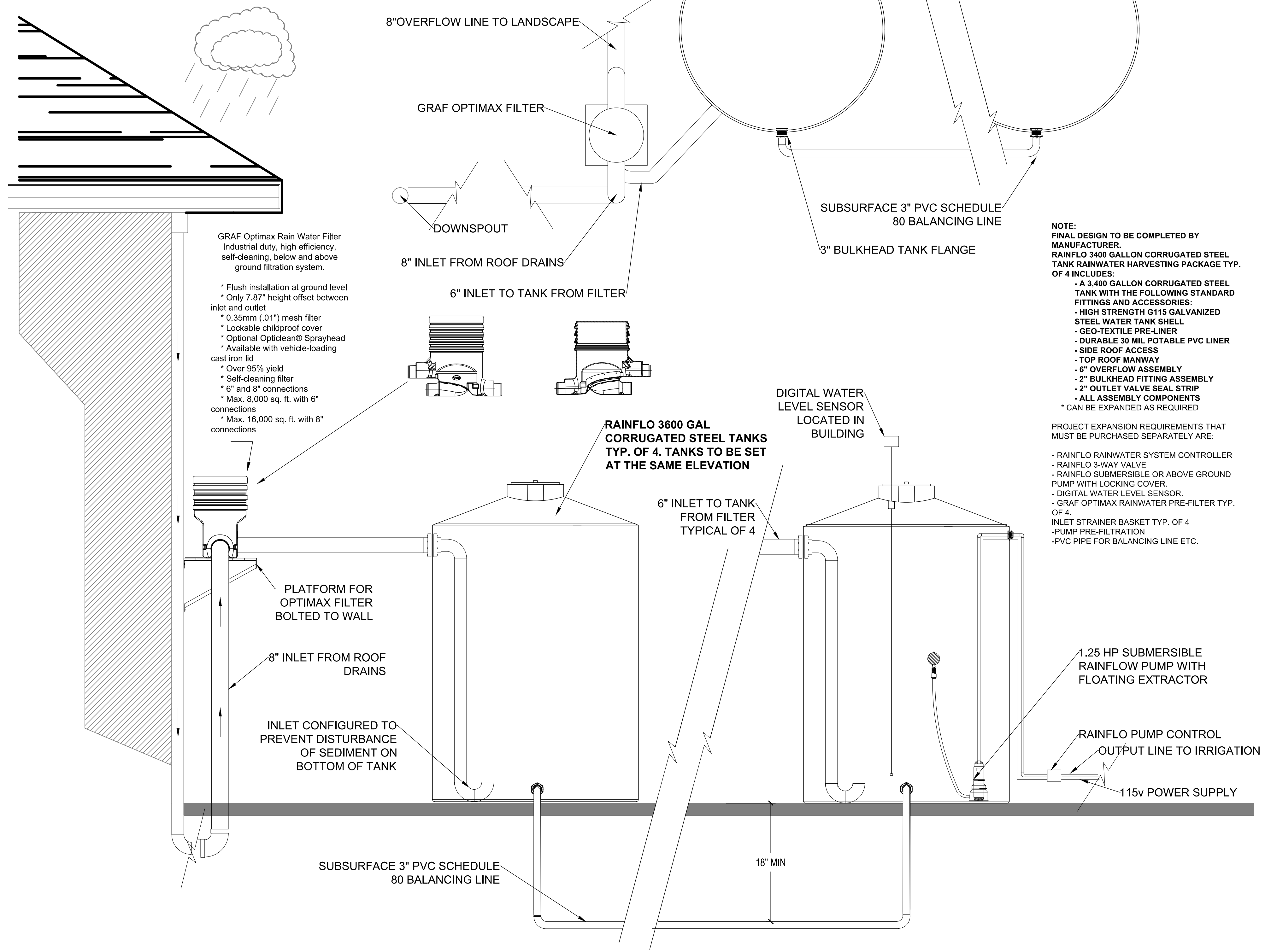
Job Number:

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**L-005**



USER'S Responsibility  
 Rainwater supplied by RainHarvest Systems is NON-Potable water. Warning do not drink water supplied from RainHarvest Systems rainwater systems and related equipment. We will be happy to offer suggestions on the use of our various products either by way of printed material or through direct contact with RainHarvest Systems team members. However, since we have no control over the use of our products once they are shipped, NO WARRANTY WEATHER OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE is made beyond the repair, replacement, or refund of purchase price at the sole discretion of RainHarvest Systems. Users shall determine the suitability of the product for the intended application before using, and the users assume all risk and liability whatsoever in connection therewith, regardless of any team members suggestions or statements as to the application or construction. In no event of the purchase price of the product. Consult local building codes for the system use.



**A1 PUMP AND CISTERN CONTROL DETAILS**  
 SCALE: NTS

**A3 RAINWATER HARVESTING CISTERN SYSTEM**  
 SCALE: NTS

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