

Henry P. Roybal
Commissioner, District 1

Anna Hansen
Commissioner, District 2

Rudy N. Garcia
Commissioner, District 3



Anna T. Hamilton
Commissioner, District 4

Hank Hughes
Commissioner, District 5

Gregory S. Shaffer
County Manager

October 20, 2022

SANTA FE COUNTY
IFB 2023-0032-PW/APS
CERRILLOS SENIOR CENTER AND
TURQUOISE TRAIL FIRE STATION #3

ADDENDUM NO. 1

Dear Proponents,

This addendum is issued to reflect the following immediately. It shall be the responsibility of interested Bidders to adhere to any changes or revisions to the IFB as identified in this Addendum No. 1. This documentation shall become permanent and made part of the departmental files.

Attachment A: Pre-Bid Agenda and Sign-In Sheet

Attachment B: Landscape and Irrigation Plan Sheets

Question No. 1: The Sheet Index (plan sheet G001) lists sheet L001 – Landscape Plan and L002 – Irrigation Plan, but those sheets were not included in the plan set. When will they be made available?

Answer No. 1: Please see Attachment B.

Please add this Addendum No. 1 to the original proposal documents and refer to proposal documents, hereto as such. This and all subsequent addenda will become part of any resulting contract documents and have effects as if original issued. All other unaffected sections will have their original interpretation and remain in full force and effect. Responders are reminded that any questions or need for clarification must be addressed to Amanda Patterson-Sanchez, Procurement Specialist Senior at apatterson-sanchez@santafecountynm.gov.



**PRE-BID CONFERENCE
CERRILLOS SENIOR CENTER AND TURQUOISE TRAIL FIRE STATION #3
IFB# 2023-0032-PW/APS
OCTOBER 13, 2022
10:00AM**

INTRODUCTIONS

Contracting Agency: Santa Fe County

- | | | |
|----------------------------|-------------------------------|--------------------|
| • Amanda Patterson-Sanchez | Procurement Specialist Senior | Purchasing |
| • Daniel M. Anderson | Project Manager | Public Works |
| • Curt E. Temple | Project Manager | Public Works |
| • Sheb Mirando | Engineer | Lloyd & Associates |

Bid Documents

- **Complete Bid Documents are available on the Santa Fe County website at [www.santafecountynm.gov/asd/current bid solicitations](http://www.santafecountynm.gov/asd/current_bid_solicitations).**
- **Carefully read all bid documents for requirements, including the sample agreement for all terms and conditions.**
- **All bid forms must be completed, signed and included in the bid submittal as outlined on page 16 “Bid Forms” in the IFB. *Failure to include any of the listed documents in the bid submittal may be considered grounds for disqualification of the bidder and rejection of its bid.***

Project Information

- Santa Fe County Public Works is requesting bids for the purpose of procuring a licensed construction company to construct a 7,483 sq. ft. of heated space and total construction of 9.332 sq. ft. of roofed space to include solar installation of parking shelters with adaptive charging stations.
- Project Duration: 360 working days where working days are defined as every day except Saturday, Sunday and holidays recognized by Santa Fe County.
- Liquidated Damages: \$500 per each working day that expires after the date of substantial completion until substantial completion is achieved and a certificate of Substantial Completion is issued by the County.
- Basis of Award: The lowest, **responsive** base bid. The County reserves the right to cancel the award if there are not sufficient appropriations available.

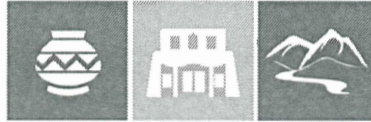
Qualifications:

- All contractors and subcontractors must be registered with the N.M. Department of Workforce Solutions for all work over \$60,000 on day of bid. **All contractors and subs must be registered as “Active” the day of bid opening.**
- Subcontractor Listing Form must be completed with all required information. For all trades that are listed “only one bid received” or “no bid received”, the Contractors must list the name, city, county or place of business and the trade of all businesses contacted for quote.
- Request double-sided bid submittal in accordance with Santa Fe County Resolution 2013-7 “Adopting sustainable Resource Management Principals”.

Addendum

- **Last Day for Questions:** Friday, October 14, 2022 via e-mail to Amanda Patterson-Sanchez at apatterson-sanchez@santafecountynm.gov
- **Addendum Issued:** Wednesday, October 19, 2022 will be posted to the Santa Fe County website and sent to all who have returned the Acknowledgement of Receipt form to be placed on the distribution list.
- **Bid Schedule:**
 - Bid Opening:** Thursday, November 3, 2022
 - Location:** Santa Fe County Purchasing Division,
102 Grant Avenue 1st Floor, Santa Fe, N.M. 87501
 - Time:** 2:00 PM

Questions



SANTA FE COUNTY

PRE-BID CONFERENCE

IFB 2023-0032-PW/APS

CERRILLOS SENIOR CENTER AND TURQUOISE TRAIL FIRE STATION #3

OCTOBER 13, 2022 AT 10:00AM

NAME	COMPANY	TELEPHONE	E-MAIL ADDRESS
Amanda Patterson Sanchez	SFC-Purchasing	(505) 992-6753	apattersonsanchez@santafecountynm.gov
DAN Anderson	IFC-project	(505) 464-1394	danderson@santafecountynm.gov
Steve Garcia	Brycon (GC)	505-433-3664	estimatingnm@brycon.com
Curt Temple	SFC	505-992-9863	ctemple@santafecountynm.gov
Shelby Miranda	Lloyd & Associates	505-795-5167	shelby@lloyd-architects.com

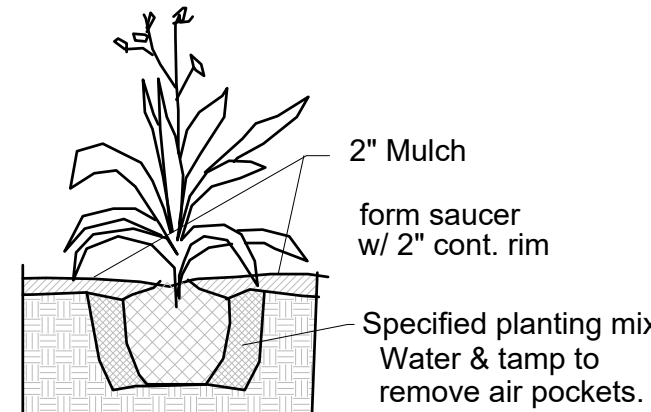
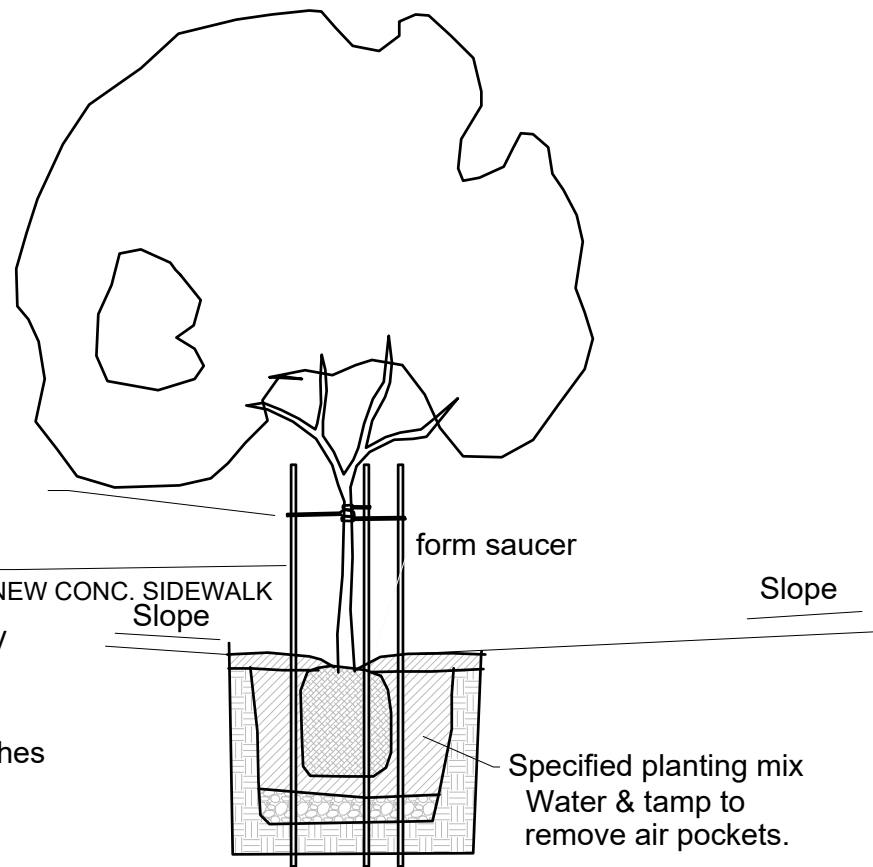
Plant so that top of root ball is even with the finished grade

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 ADAPATBLE TO PERIODS OF SUBMERSION.
- 5 STREET TREES SHALL BE INSTALLED AND MAINTAINED TO PROVIDE A MINIMUM OF 80" VERTICAL CLEARANCE FOR THE FULL WITH 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 THE SIZE 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.

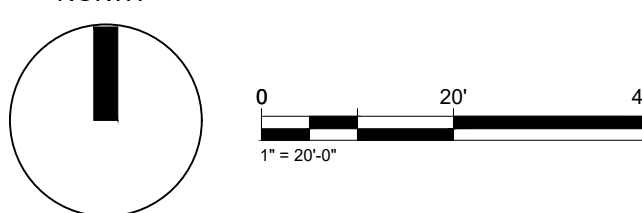
NEW PLANTING & MULCH SCHEDULE

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

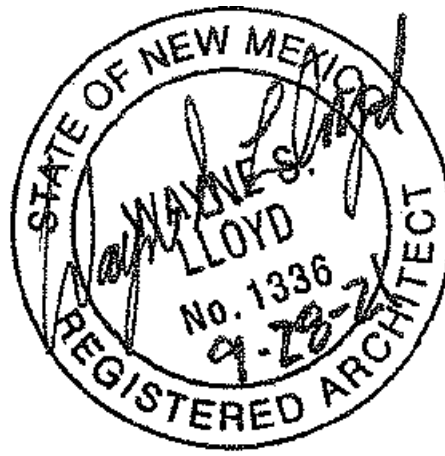
NORTH



A1 ENLARGED LANDSCAPE PLAN

Lloyd & Associates
ARCHITECTS

100 N Guadalupe St., Suite 201
Santa Fe, NM 87501
Telephone: 505-985-9789 Fax: 505-986-1165
Web address: lloyd-architects.com



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
-	-	-
-	-	-
-	-	-

Drawn by: RL/KL
Checked by: SM

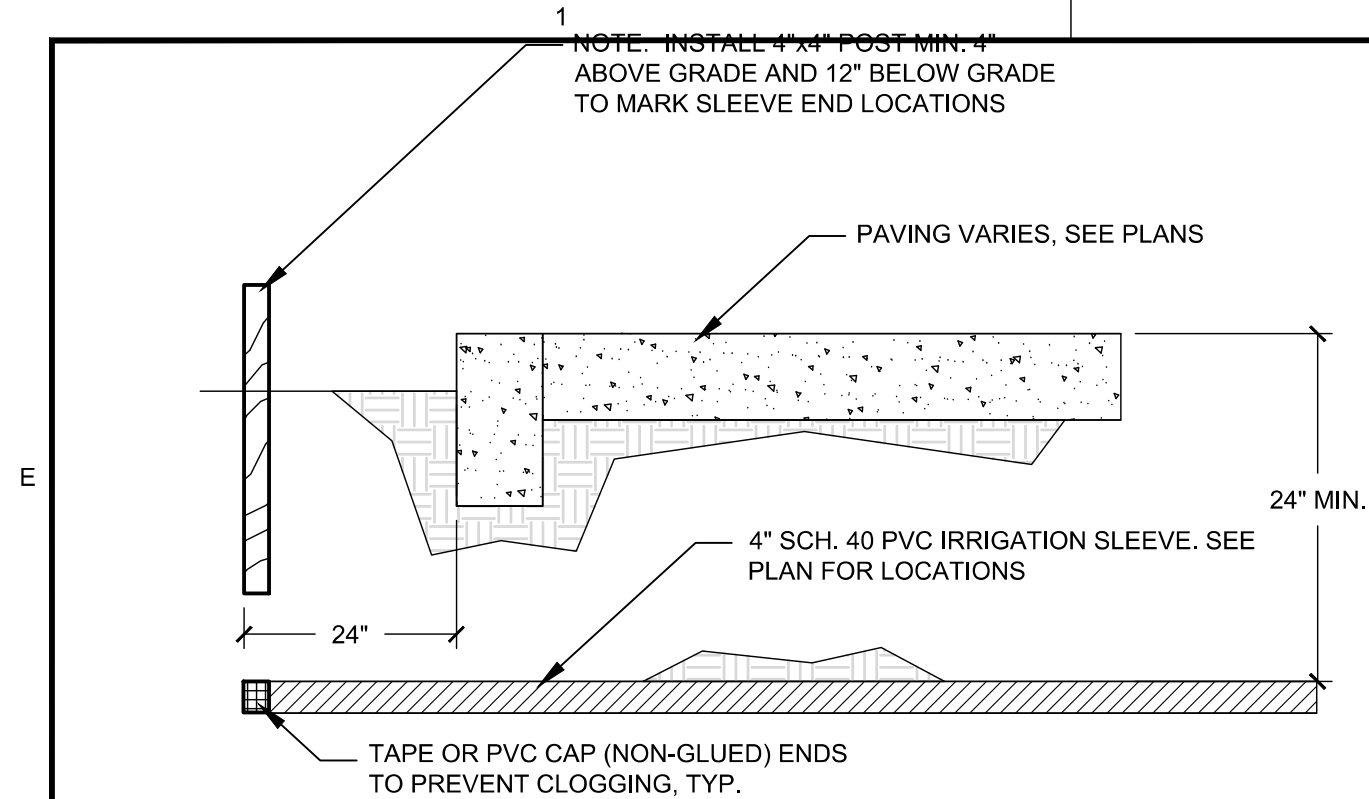
Date: 09-28-2021

Sheet Title:
LANDSCAPE
PLAN

Job Number:

Sheet No.

L001

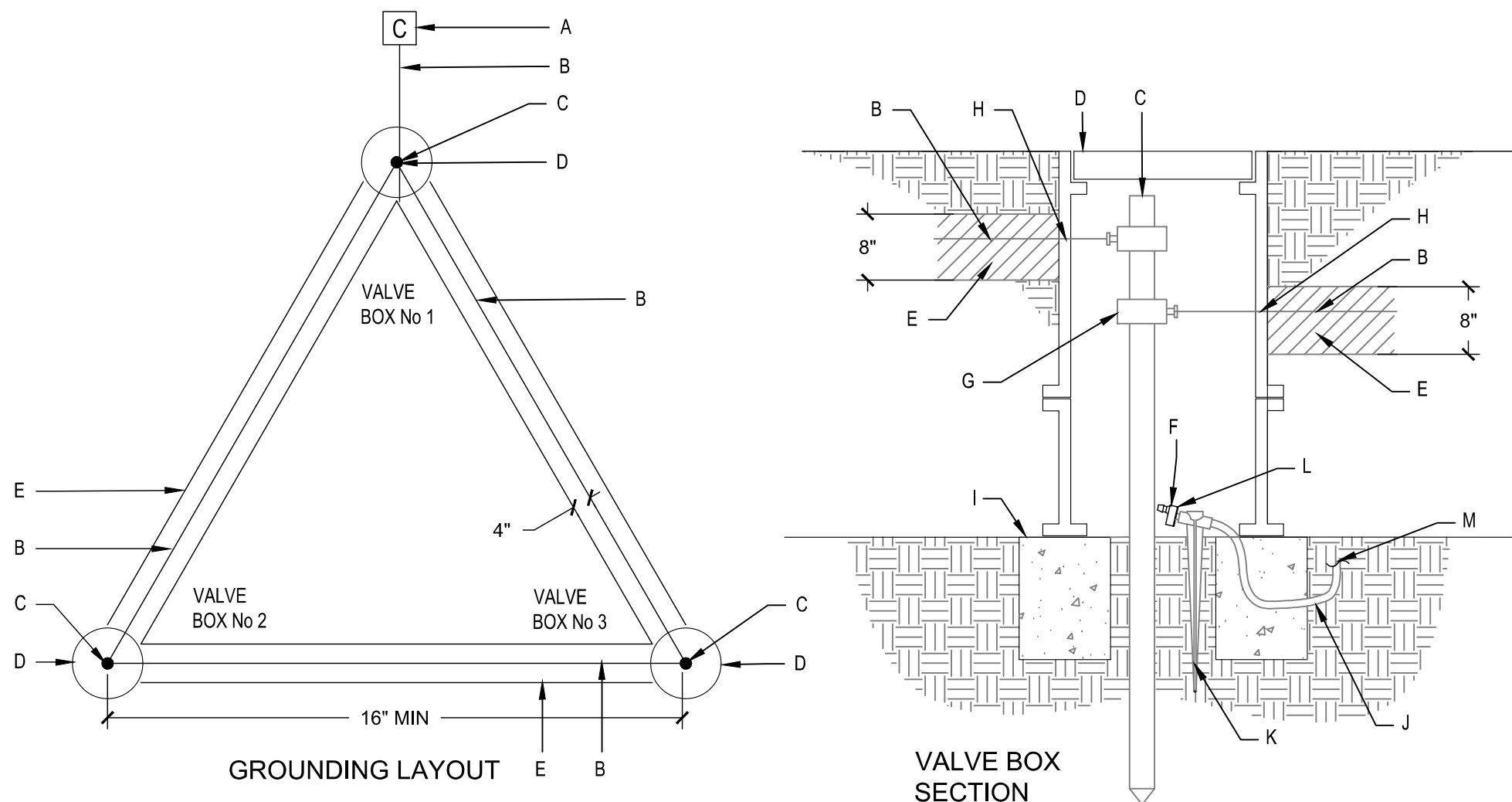


E1 IRRIGATION SLEEVING

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

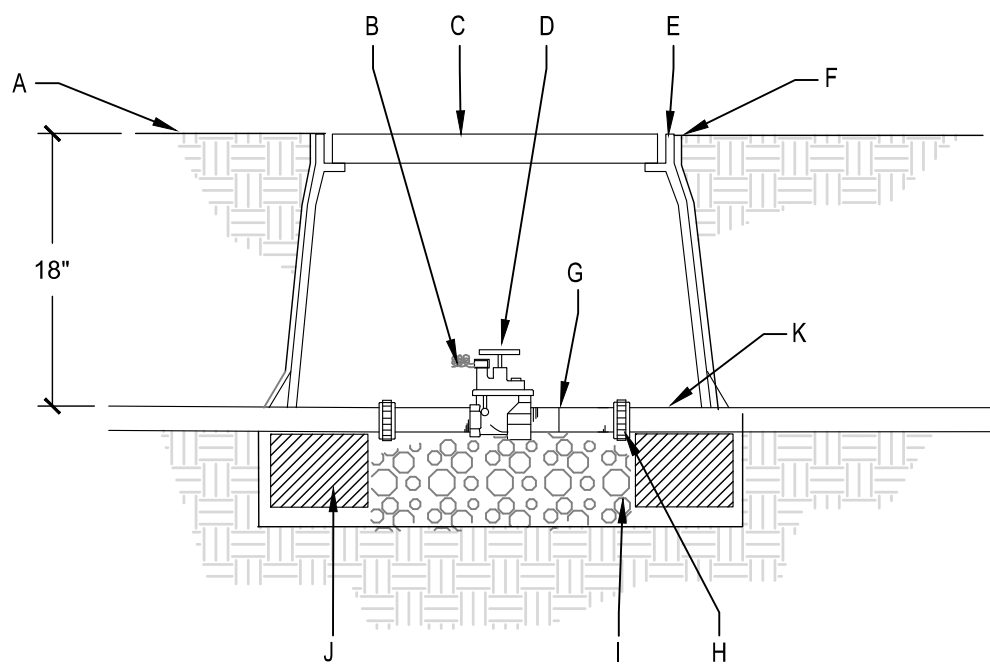


C1 CONTROLLER GROUNDING

SCALE:
NTS

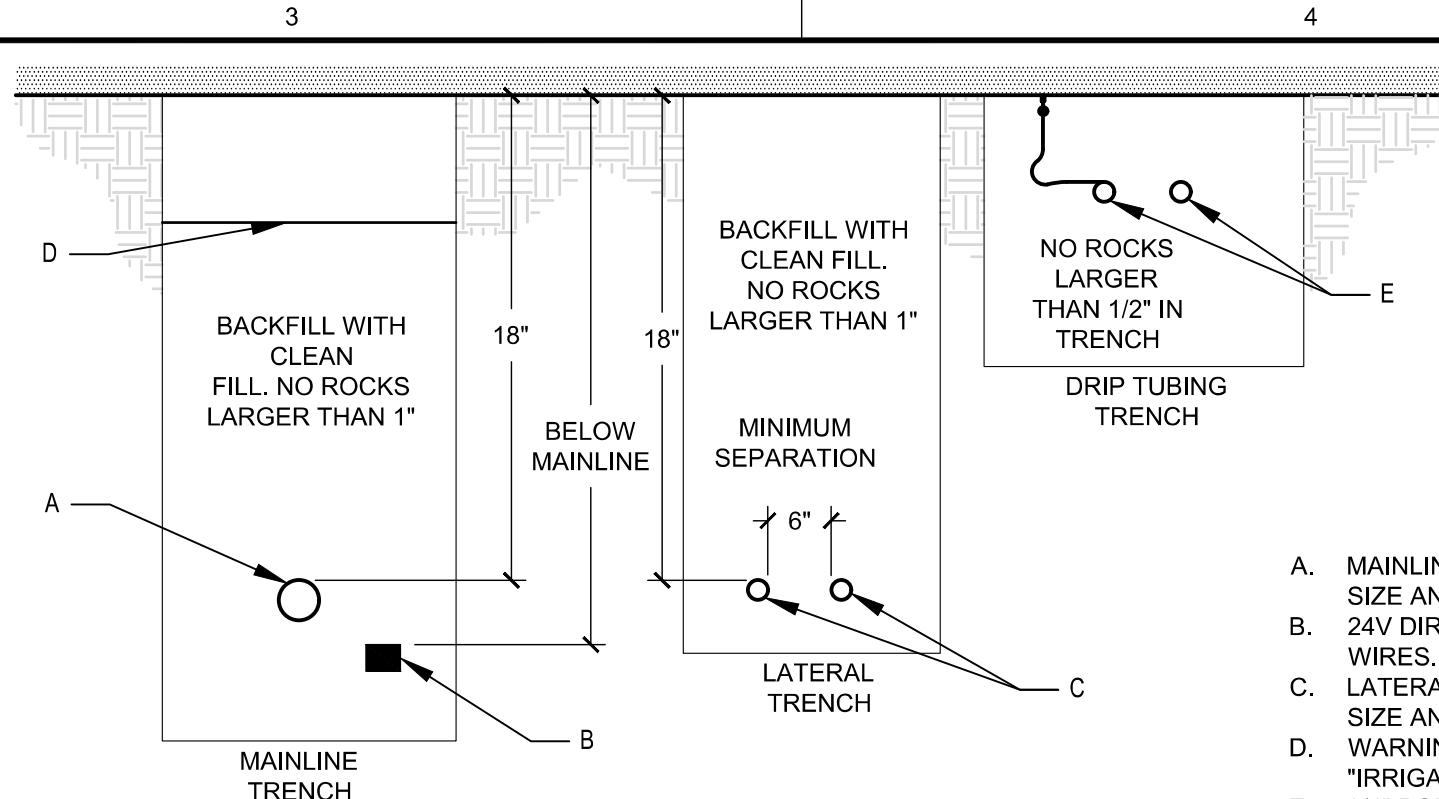
CONSTRUCTION NOTES:

- 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

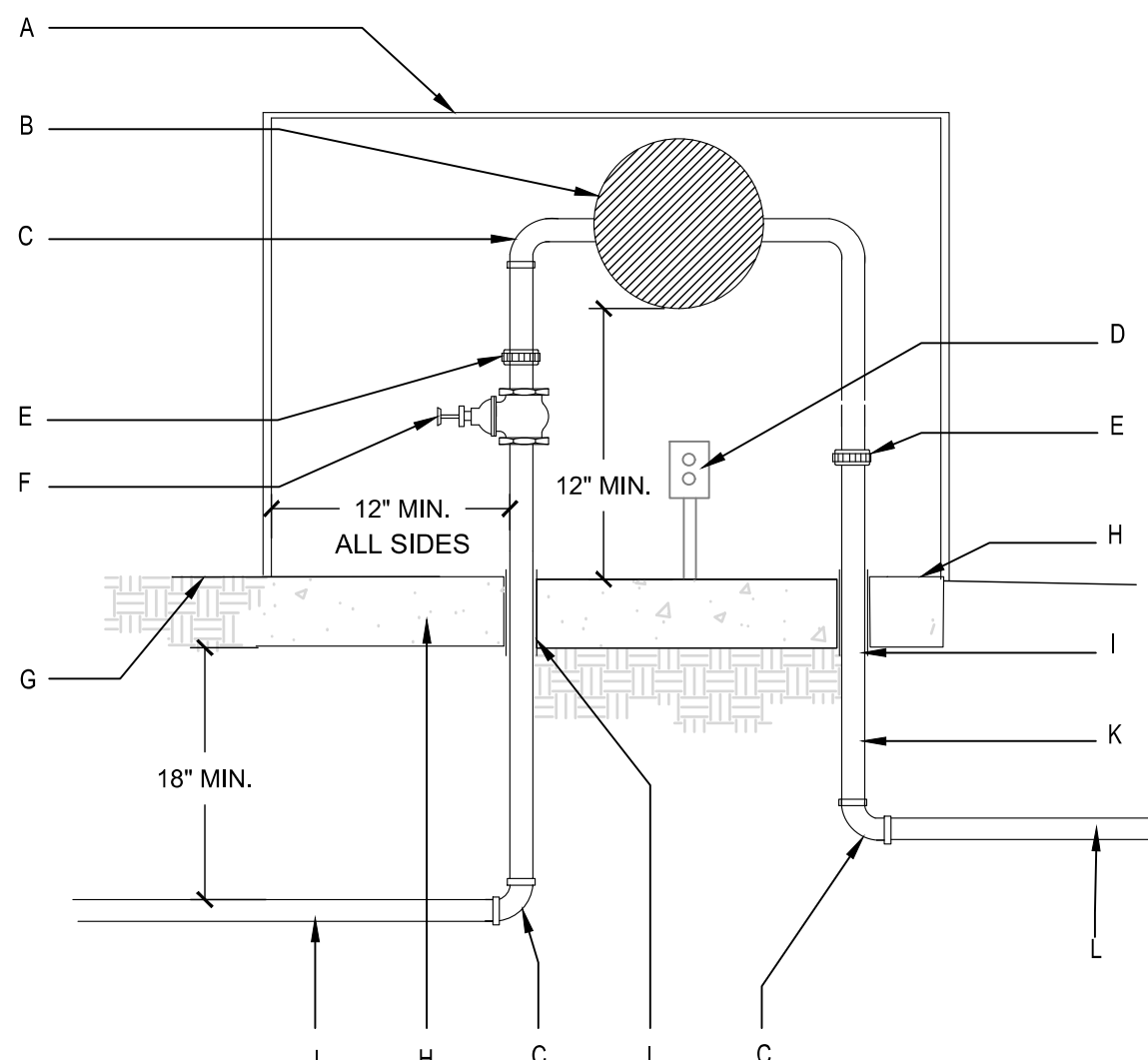
SCALE:
NTS



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.

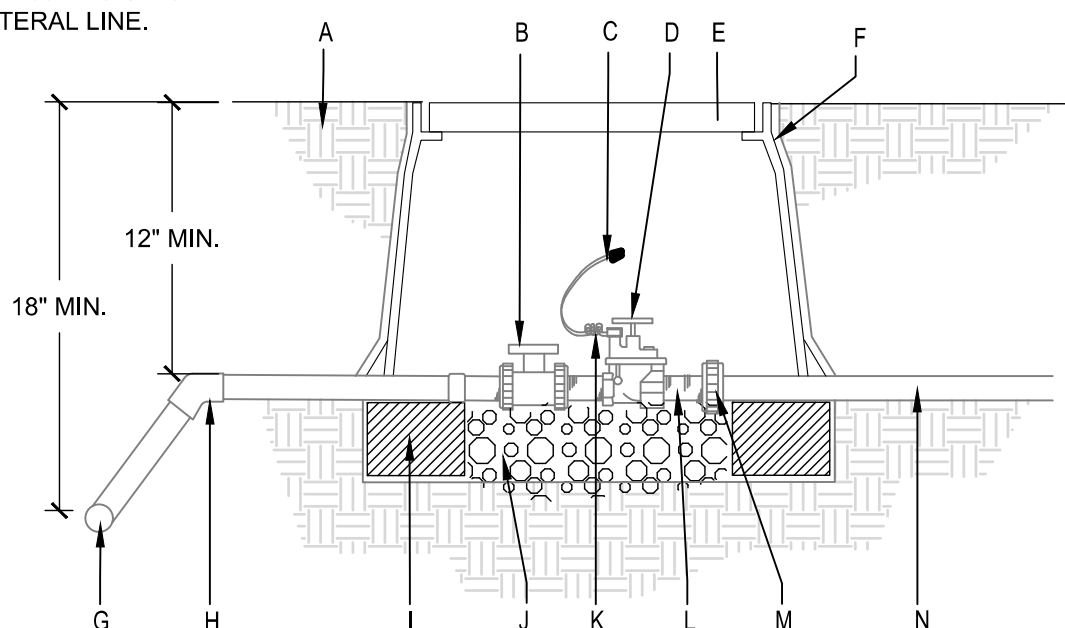


C3 REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY

SCALE:
NTS

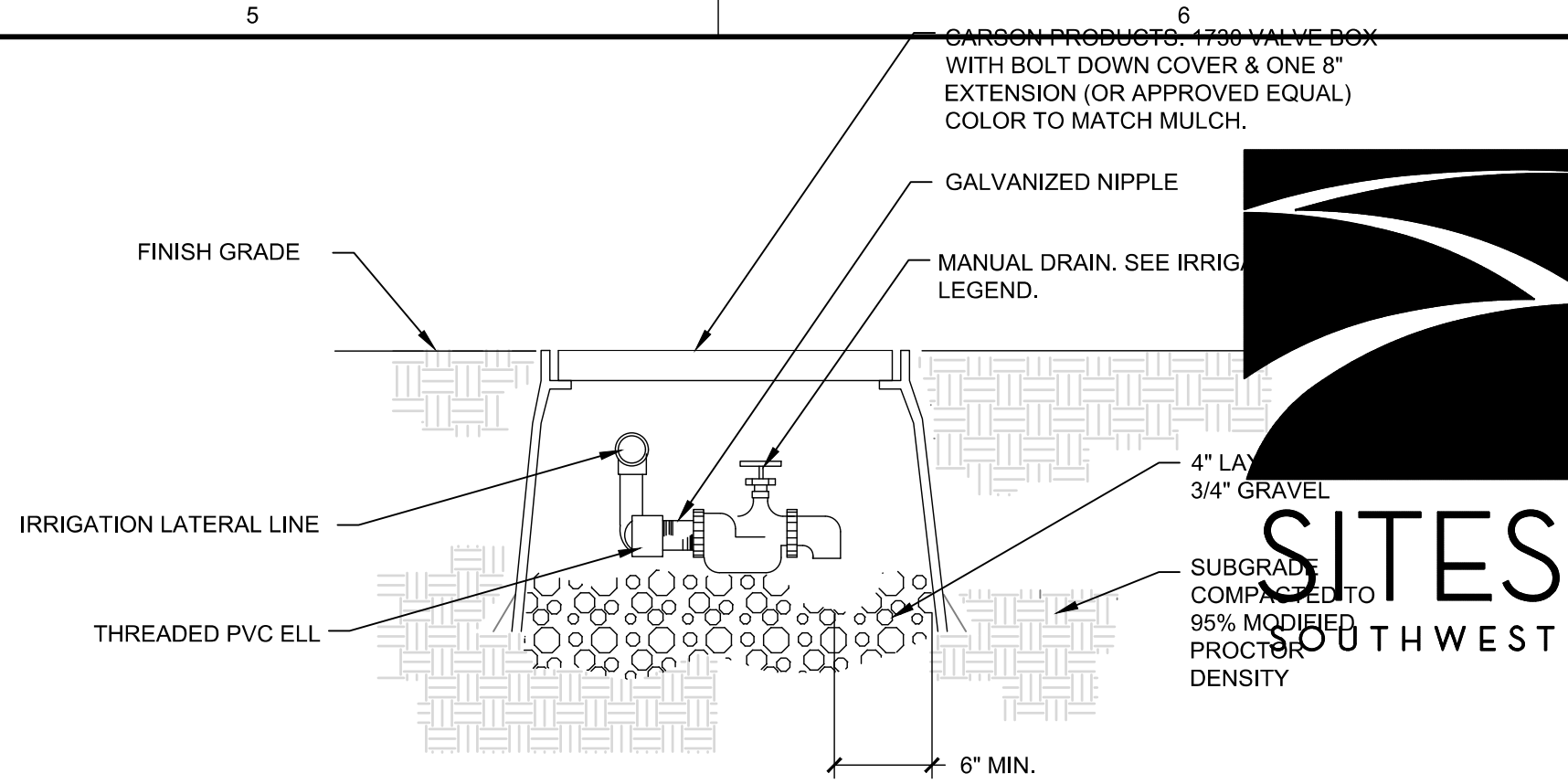
CONSTRUCTION NOTES:

- FINISH GRADE.
- BALL VALVE-SEE IRRIGATION LEGEND.
- DRY SPICE 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

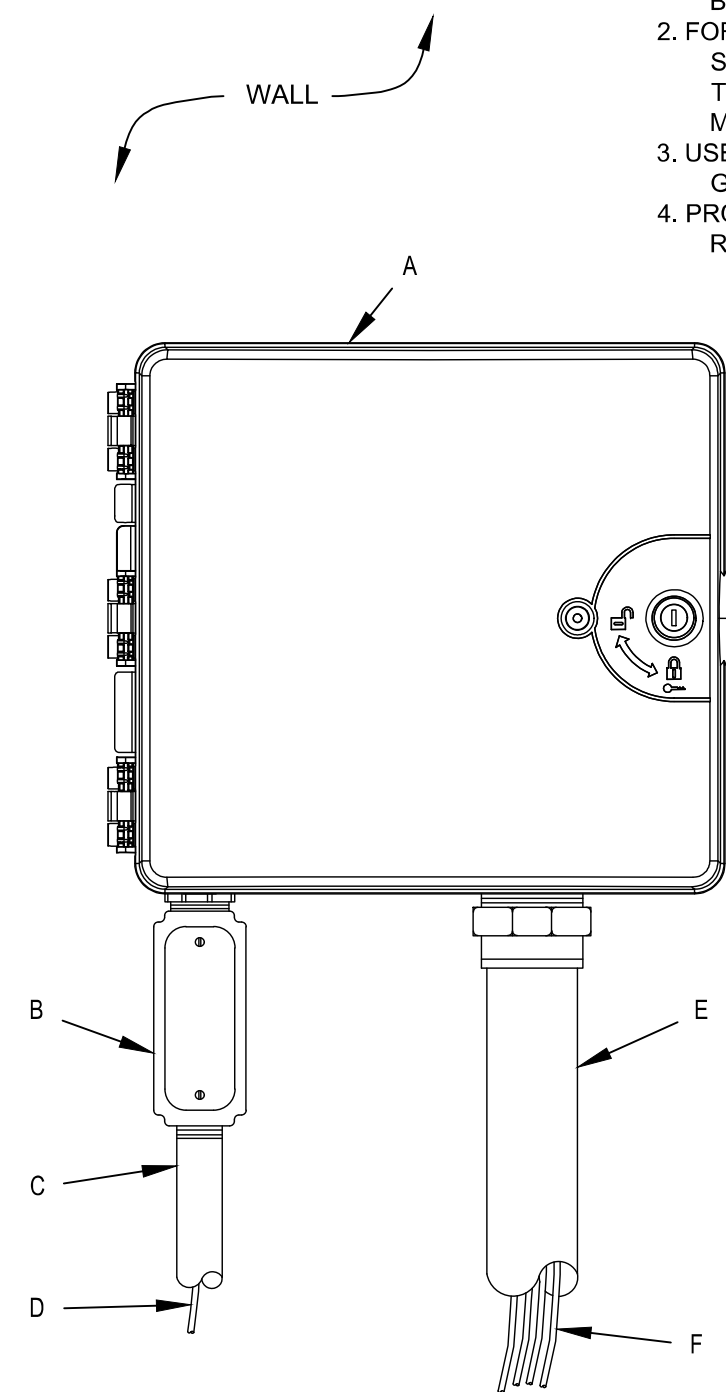
SCALE:
NTS



E5 MANUAL DRAIN

SCALE:
NTS

- 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.



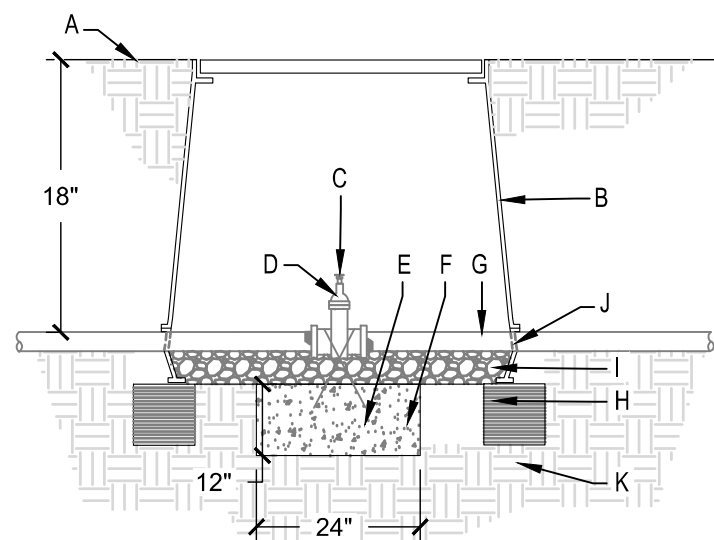
C5 CONTROLLER (WALL MOUNT)

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.
- 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

Lloyd & Associates
ARCHITECTS

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Web address: lloyd-architects.com

CERRILLOS SENIOR CENTER
& TURQUOISE TRAIL FIRE
STATION #3

16 MAIN STREET, CERRILLOS,
NEW MEXICO 87010

Current Status:
BIDDING

REVISIONS

NO.	DESCRIPTION	DATE
ADDENDUM-1		10-15-21

Drawn by: WF
Checked by: RMO

Date: 10-15-2021

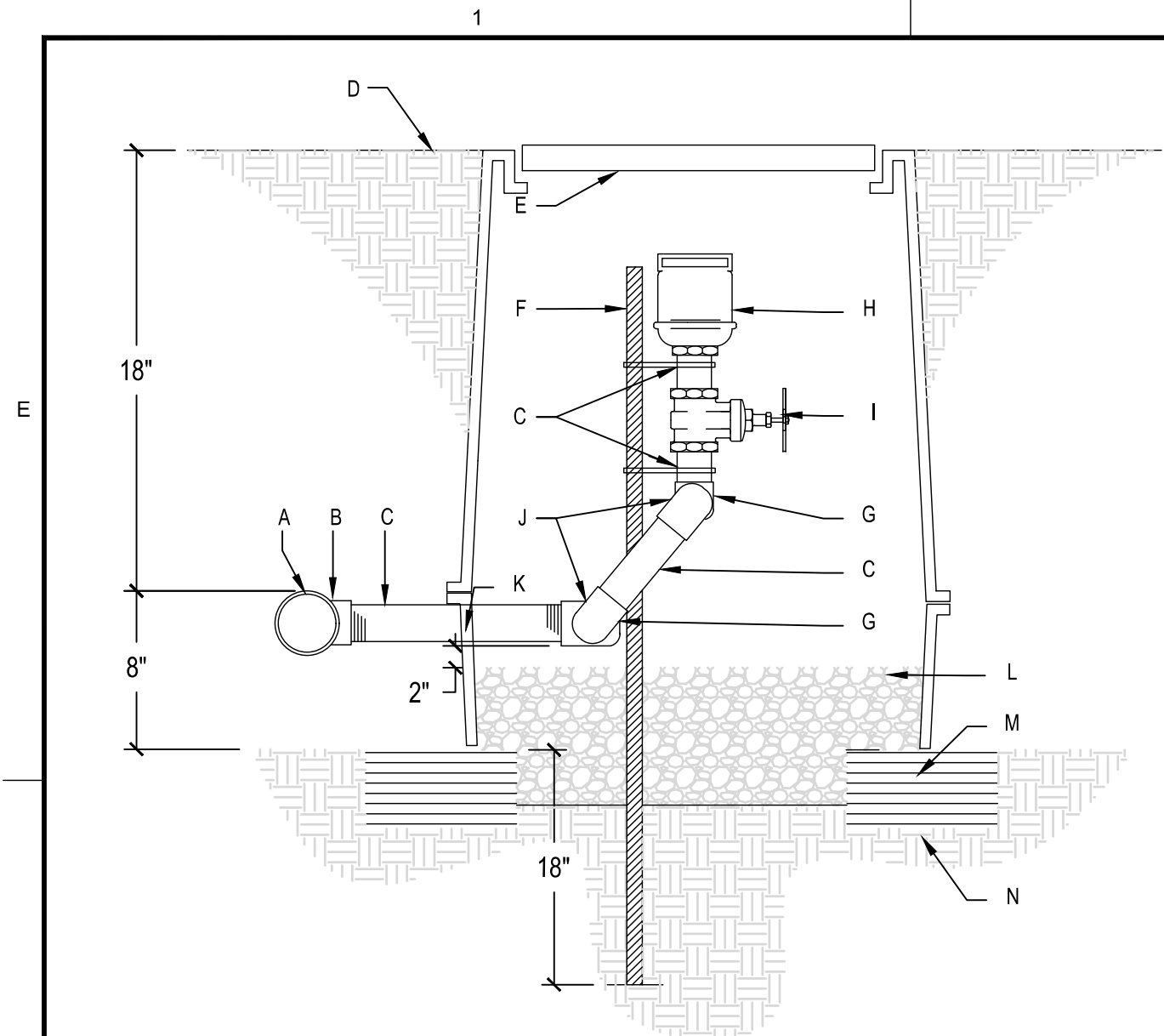
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LANDSCAPE
IRRIGATION
DETAILS

Job Number:

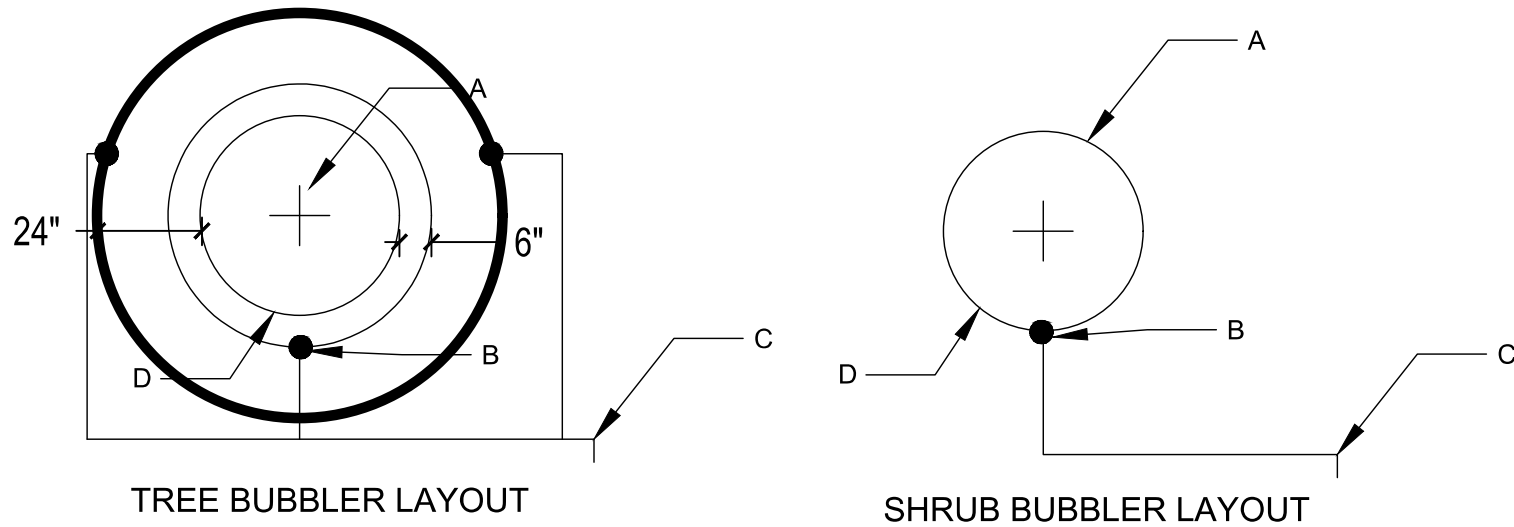
Sheet No.

L-003

PLOT DATE: Oct 14, 2021 - 1:22pm
FILENAME: P:\202203_Cerrillos Fire Station4_ Construction Drawings - Specs-Bid - Estimates\CAD Drawings\100\c\2022032_CerrillosFireStation-IRRI.dwg



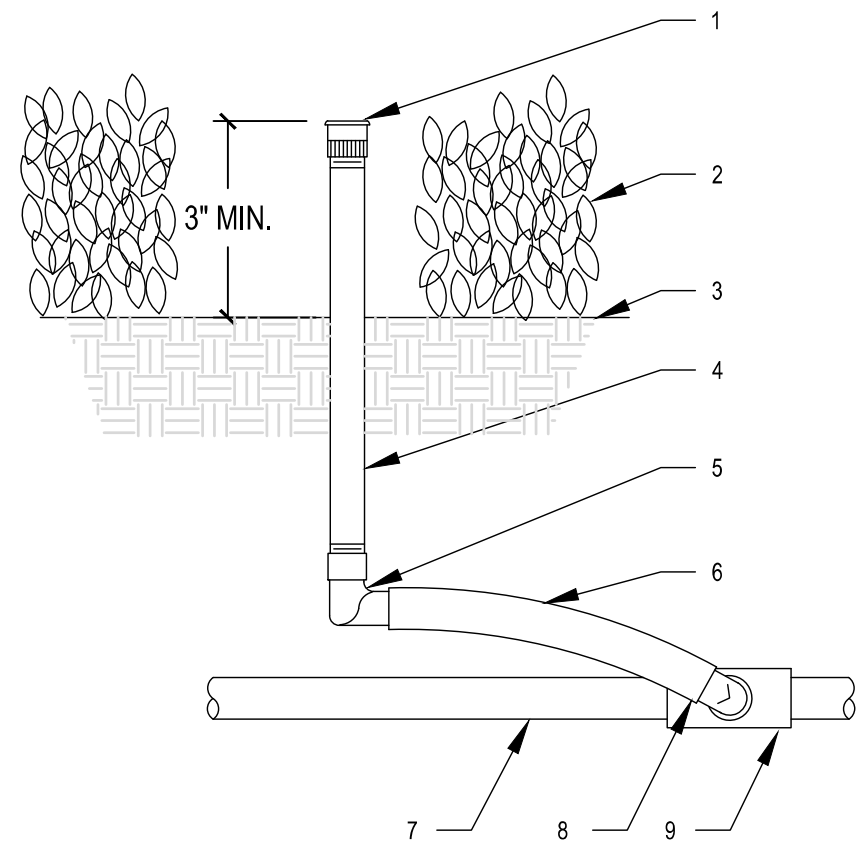
- CONSTRUCTION NOTES:
- IRRIGATION MAINLINE.
 - IRRIGATION MAINLINE TEE.
 - SCH 80 PVC NIPPLE.
 - FINISH GRADE (FLUSH WITH VALVE BOX IN TURF, 1/2" BELOW TOP OF VALVE BOX IN MULCH).
 - CARSON, OR APPROVED EQUAL, 1730-18 VALVE BOX WITH 1730-3B BOLT DOWN COVER AND ONE 8" EXTENSION. COLOR: PURPLE FOR RECLAIMED 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

E1 AIR RELIEF VALVE

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.

E3 IRRIGATION BUBBLER(S) AT SHRUB/TREE

SCALE:
NTS

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.



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

Current Status:

BIDDING

REVISIONS

ADDENDUM-1 10-15-21

Drawn by: WF

Checked by: RMO

Date: 10-15-2021

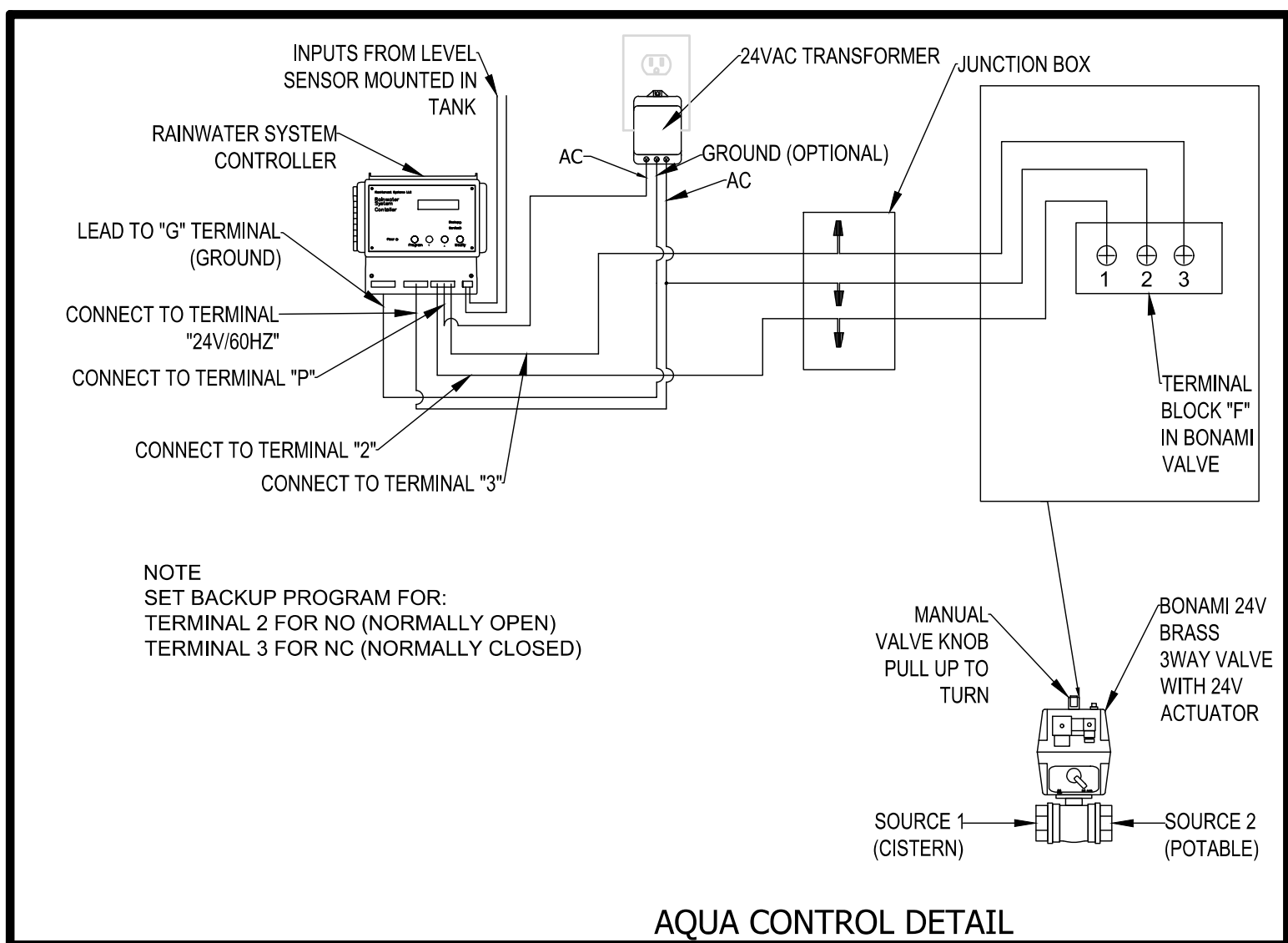
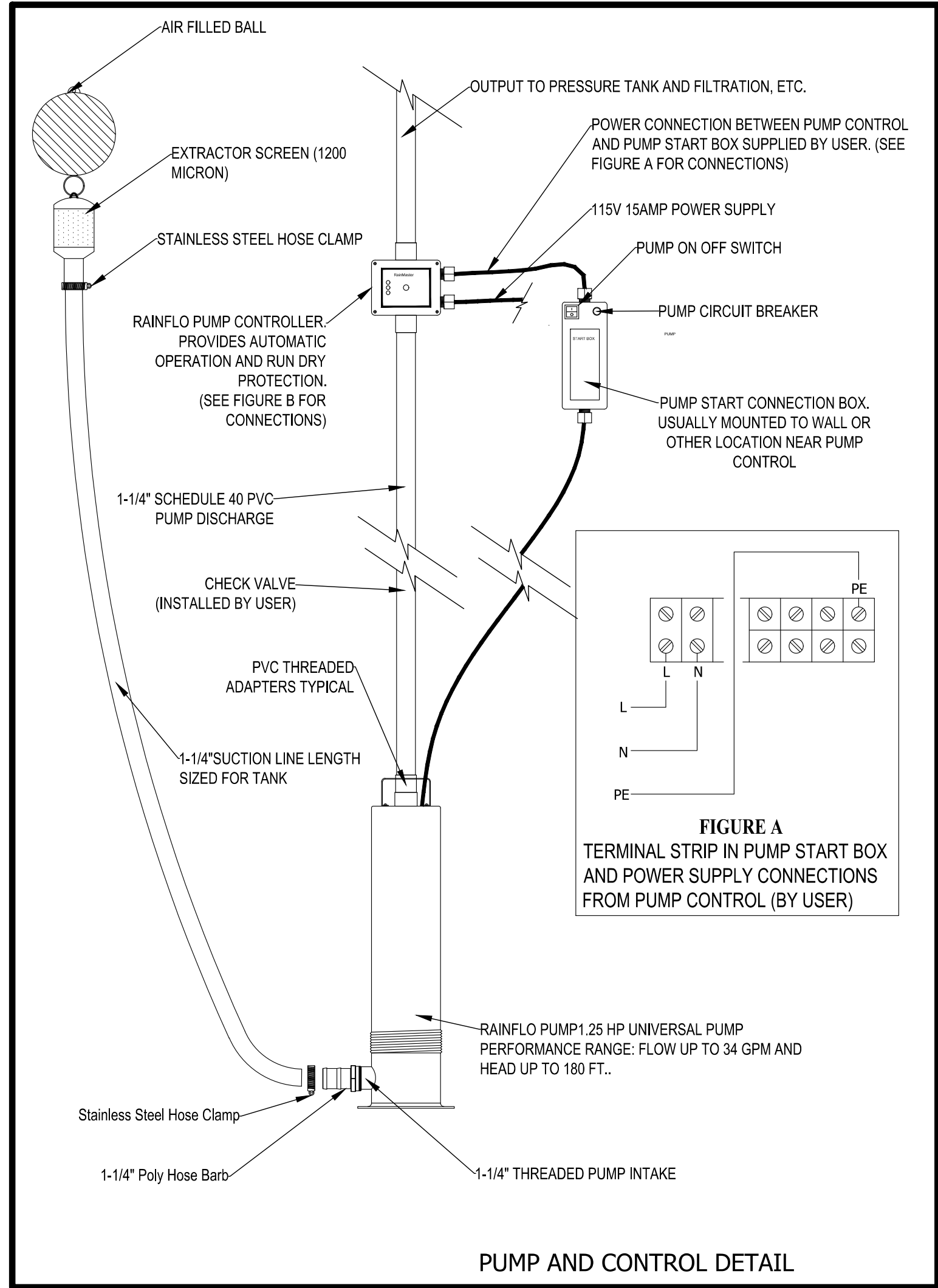
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**LANDSCAPE
IRRIGATION
DETAILS AND
GEN NOTES**

Job Number:

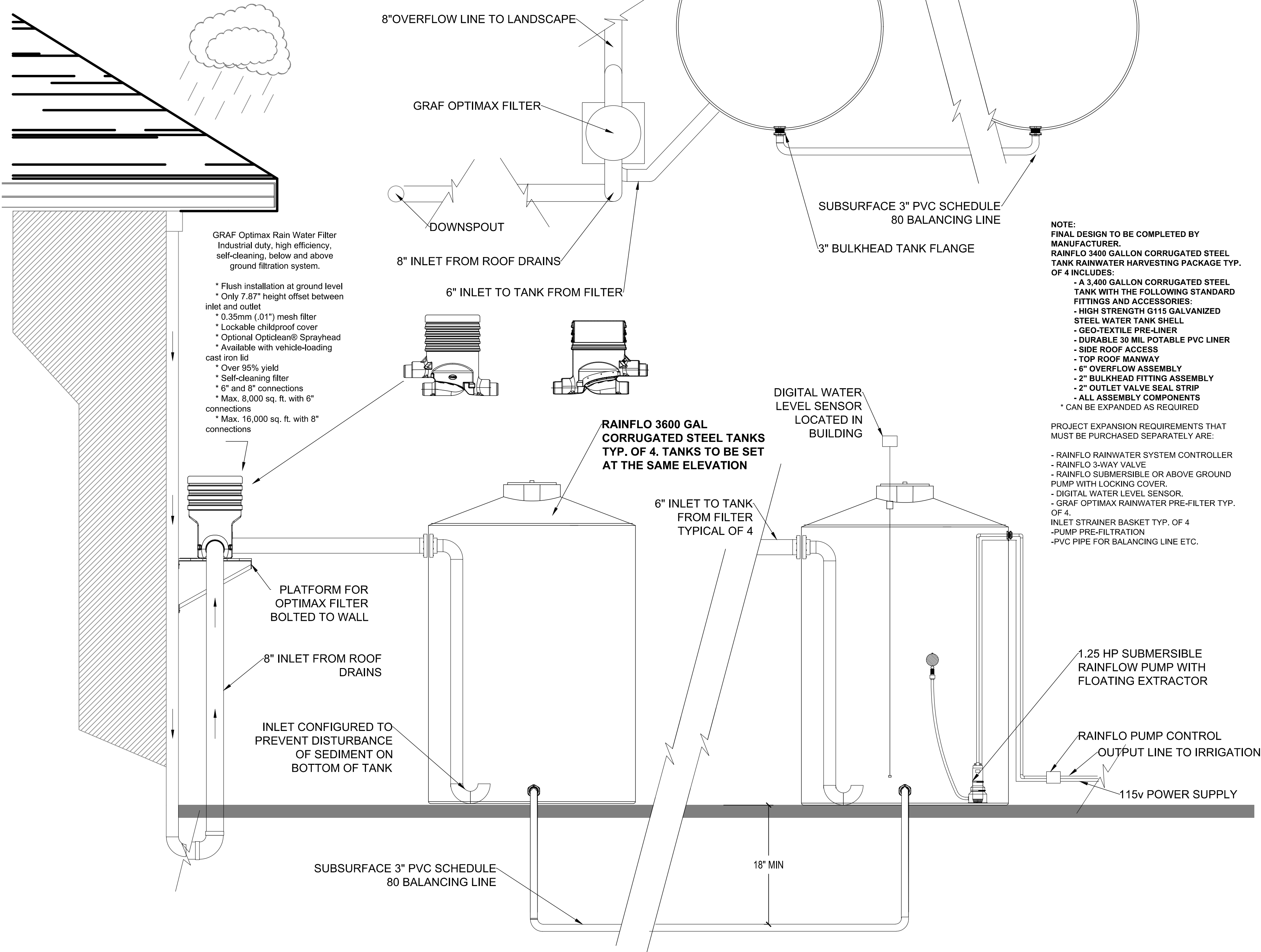
Sheet No.

L-004

PLOT DATE: Oct 14, 2021 - 1:22pm
FILENAME: P:\202203_Cerrillos Fire Station4_ Construction Drawings - Specs-Bid - Estimates\CAD Drawings\100\c\2022032_Cerrillos Fire Station-HRR1.dwg



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& TURQUOISE TRAIL FIRE
STATION #3**

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NEW MEXICO 87010

Current Status:

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REVISIONS		
	ADDENDUM-1	10-15-21

Drawn by: **WF**
Checked by: **RMO**

Date: 10-15-2021

Sheet Title:
**LANDSCAPE
IRRIGATION
DETAILS -
CISTERN**

Job Number:

Sheet No.

L-005

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

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