



VENTURA UNIFIED SCHOOL DISTRICT

BALBOA FIELD RENOVATION

BID # 31-25

DECEMBER 17TH, 2025

ADDENDUM #01

NOTICE TO BIDDERS:

The following revisions and/or clarifications shall be made to the bidding requirements and contract documents. Revise and amend the documents for the above-named project in accordance with this addendum. The bid shall reflect these addendum changes and each bidder shall refer in their bid to this addendum.

All bidding requirements and contract documents shall apply to this addendum as originally indicated in the applicable portions of the contract documents, unless otherwise modified by this addendum.

Contractors shall acknowledge this addendum at the space provided on the Bid Proposal.

REVISIONS, CLARIFICATIONS, & RESPONSES TO PRE-BID RFI'S:

1. No pre-bid RFI's were submitted.
2. Bid will remain open to C-27 Landscaping Contractor.
3. See attachment for clarification on electrical connection. VUSD will provide electrical extension by others per the contract documents.

REVISIONS TO THE PLANS: L3.3

REVISIONS TO THE SPECIFICATIONS: N/A

END OF ADDENDUM #1

Addendum: 1 page

ENCLOSURES: 2 Pages

Total Number of Pages: 3 Pages

ADDENDUM NO. 1

Date: December 11, 2025

Issued By: Jordan & Bain Landscape Architects, Inc.
459 North Ventura Avenue, Ventura, California 93001
(805) 642-3641 Phone; (805) 653-7874 Fax

Project: Balboa Middle School Open Play Area Turf Renovation
Project C6-26 E. P.

Issued To: Balfour Beatty General Contractors
For Review and Distribution to Bidders

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents as noted below. Acknowledge receipt of this Addendum in the space provided on the Form of Bid. Changes are indicated as Delta 1, dated December 11, 2025.

This Addendum consists of one (1) page.

1. Keynote 'J', Sheet L3.3 Irrigation Legend has been revised as follows:

Install (2) new auto controllers 'B' and 'C' on new concrete slab with a 6'-0" tall chain link security fence enclosure:

Install a concrete pad with dimensions of 10' long x 7' wide x 5" thick at the specific location identified by V.U.S.D. staff. The back side of the enclosure shall be secured by the (E) portable classroom building exterior wall. Construct a 6'-0" tall chain link fence on the two remaining open sides of the concrete slab. Fabricate a 6'-0" wide chain link fence gate on the side of the enclosure that faces the open turf for maintenance access to the new auto controllers. Install (1) 16-station auto controller 'B' and (1) two-wire auto controller 'C' that have been assembled into a stainless steel enclosure by Site One Green Tech. V.U.S.D. shall install 120 volt, 2 amp electrical power to the two auto controllers using an existing power source on campus. All electrical wiring shall be housed in EMT conduit and secured to the building wall by V.U.S.D. forces or subcontractor including EMT conduit to the auto controller security enclosure assembly. V.U.S.D. forces shall connect to the auto controllers to the new power supply as per building code. Contractor shall install all required Sch. 40 PVC sweep elbows from base of auto controller enclosure under concrete slab to access the adjacent landscape area. These conduits include one for the two-wire cable, ground wires, 14-gauge wires, and flow sensing cables. Both 14-gauge irrigation valve wires and flow sensing cables within the conduits shall be installed as part of future work.

	DESCRIPTION
(A)	TEMPORARY IRRIGATION POINT OF CONNECTION 'A'- CONNECTION TO (E) 4" ASBESTOS-CEMENT MAINLINE: (E) 4" ASBESTOS-CEMENT IRRIGATION MAINLINE APPROXIMATELY 24" BELOW GRADE. EXCAVATE AND EXPOSE 4" ASBESTOS-CEMENT MAINLINE SUITABLE TO INSTALL A 4"x4" ROMAC INDUSTRIES STAINLESS STEEL TAPPING SLEEVE WITH SIDE LIFTER BARS, STYLE SST, WITH A DUCTILE IRON FLANGED 4" OUTLET, OR APPROVED EQUAL, CUT OR TAP (E) 4" ASBESTOS-CEMENT MAINLINE WITH APPROVED TAPPING CUTTING TOOL TO INSTALL OSHA PIPE TIGGING CERTAINING TO CUTTING ASBESTOS-CEMENT PIPING. INSTALL A 4" SPEARS VANSTONE FLANGE WITH STAINLESS STEEL BOLTS AND SUITABLE GASKETS TO ATTACH TO THE 4" DUCTILE IRON FLANGE OUTLET. INSTALL A NEW 4" FLANGED GATE VALVE TO USE AS A ISOLATION VALVE. INSTALL NEW 4" CLASS 315 PVC IRRIGATION MAINLINE AS PER PLAN AT A DEPTH OF 24" BELOW GRADE TO SUPPLY WATER TO THE NEW IRRIGATION VALVES. BACKFILL AND COMPACT EXPOSED MAINLINES AS PER PLANS AND SPECIFICATIONS.
(B)	IRRIGATION POINT OF CONNECTION 'B': (E) 4" ASBESTOS-CEMENT IRRIGATION MAINLINE APPROXIMATELY 24" BELOW GRADE. EXCAVATE AND EXPOSE 4" ASBESTOS-CEMENT MAINLINE SUITABLE TO WET CUT (E) 4" ASBESTOS-CEMENT MAINLINE IN TWO LOCATIONS. WET CUT (E) 4" ASBESTOS-CEMENT MAINLINE PIPE WITH APPROVED WET CUTTING TOOLS TO SATISFY ALL OSHA REGULATIONS PERTAINING TO CUTTING ASBESTOS-CEMENT PIPING. REMOVE A MINIMUM OF 3'-0" OF (E) 4" ASBESTOS-CEMENT MAINLINE. EXCAVATE A 24" DEEP TRENCH ADJACENT TO REMAINING 4" ASBESTOS-CEMENT MAINLINE THAT IS TO BE ABANDONED IN PLACE AND BURY REMOVED SEGMENT OF ASBESTOS-CEMENT PIPING 24" BELOW GRADE. INSTALL A 4" ROMAC INDUSTRIES DUCTILE IRON END CAP COUPLING SUITABLE FOR ASBESTOS-CEMENT PIPING, EC501 SERIES, OR APPROVED EQUAL, AT THE SEVERED END OF THE 4" MAINLINE TO PERMANENTLY SEAL OFF WATER SUPPLY. INSTALL CONCRETE THRUST BLOCK TO ENSURE CAPPED FITTING WILL NOT DETACH FROM MAINLINE.
(C)	REMOVE (E) REMOTE CONTROL VALVE FROM ACTIVE IRRIGATION MAINLINE & CAP OFF: FIELD VERIFY THE EXACT LOCATION OF THE (E) REMOTE CONTROL VALVE AND VALVE BOX. THE (E) VALVE MAY BE OPERATED BY A HUNTER NODIE BATTERY TIMER OR BY THE (E) HYDRAULIC CONVERTER. IN THE EVENT THE (E) VALVE IS BEING OPERATED BY A HUNTER NODIE, REMOVE THE HUNTER NODIE FROM THE (E) REMOTE CONTROL VALVE AND RETURN IT TO THE VENTURA UNIFIED SCHOOL DISTRICT REPRESENTATIVE. EXCAVATE AND EXPOSE THE (E) REMOTE CONTROL VALVE. REMOVE (E) VALVE BOX AND REMOTE CONTROL VALVE FROM MAINLINE. CAP OFF LINE SIZE SUPPLY PIPE PREVIOUSLY SUPPLYING WATER TO REMOTE CONTROL VALVE WITH A SOLVENT WELD SCH. 80 PVC END CAP. TO PERMANENTLY TERMINATE WATER SUPPLY OUTLET. PROVIDE CONCRETE THRUST BLOCK TO ENSURE THAT SCH. 80 PVC CAP WILL NOT BE DISPLACED FROM PIPING. BACKFILL SOIL OVER CAPPED PIPING AND COMPACT AS PER PLANS AND SPECIFICATIONS TO PREVENT ANY SOIL SETTLING.
(D)	REMOVE (E) REMOTE CONTROL VALVE FROM ABANDONED ASBESTOS-CEMENT MAINLINE: FIELD VERIFY THE EXACT LOCATION OF THE (E) REMOTE CONTROL VALVE AND VALVE BOX. THE (E) VALVE MAY BE OPERATED BY A HUNTER NODIE BATTERY TIMER OR BY THE (E) HYDRAULIC CONVERTER. IN THE EVENT THE (E) VALVE IS BEING OPERATED BY A HUNTER NODIE, REMOVE THE HUNTER NODIE FROM THE (E) REMOTE CONTROL VALVE AND RETURN IT TO THE VENTURA UNIFIED SCHOOL DISTRICT REPRESENTATIVE. EXCAVATE AND EXPOSE THE (E) REMOTE CONTROL VALVE. REMOVE (E) VALVE BOX AND REMOTE CONTROL VALVE FROM MAINLINE. THIS SECTION OF (E) ASBESTOS-CEMENT MAINLINE WILL NOW BE ABANDONED IN PLACE SO THERE IS NO NEED TO CAP OFF PIPING. BACKFILL EXCAVATED SOIL PIT AND COMPACT AS PER PLANS AND SPECIFICATIONS TO PREVENT ANY SOIL SETTLING.
(E)	INSTALL NEW 4" CLASS 315 PVC MAINLINE 24" BELOW GRADE WITH A 5'-0" OFFSET FROM TWO-WIRE CONDUIT LOCATION AND CAP END FOR FUTURE MAINLINE EXTENSION: TRENCH AND INSTALL NEW 4" CLASS 315 PVC IRRIGATION MAINLINE AS PER IRRIGATION PLAN TO SUPPLY IRRIGATION WATER TO IRRIGATION REMOTE CONTROL VALVES 'C-16' AND 'C-17'. TRENCH MAINLINE IN A NORTHERLY DIRECTION TOWARDS CAMPUS. INSTALL (2) SCH. 80 PVC 45 DEGREE SOLVENT WELD ELBOW FITTINGS WITH PIPE SEGMENTS TO OFFSET MAINLINE A DISTANCE OF 5'-0" CLEARLY FROM NEW 1-1/4" SCH. 40 PVC TWO-WIRE CABLE CONDUIT. EXTEND THE MAINLINE APPROXIMATELY 10'-0" FROM THE ADJACENT REMOTE CONTROL VALVE BOX. INSTALL A CONCRETE THRUST BLOCK TO SECURE 4" SOLVENT WELD CAP ONTO 4" PVC MAINLINE.
(F)	CAP 4" CLASS 315 PVC MAINLINE 5'-0" DOWNSTREAM OF NEW 4" GATE VALVE FOR FUTURE WORK: TRENCH AND INSTALL A 5'-0" LONG SEGMENT OF NEW 4" CLASS 315 PVC MAINLINE. INSTALL A 4" SOLVENT WELD CAP OVER END OF 5'-0" LONG MAINLINE SEGMENT. CLOSE GATE VALVE TO PREVENT ANY WATER FLOW THROUGH NEW PIPE SEGMENT. THIS PIPE SEGMENT WILL BE USED FOR FUTURE IRRIGATION WORK.
(G)	EZ-FLO AUTOMATIC FERTILIZER DISPENSER: INSTALL EZ-FLO FERTILIZER DISPENSER WITH 25 GALLON TANK, MODEL EZ205-HC, ONTO PVC IRRIGATION MAINLINE AS PER MANUFACTURER'S SPECIFICATIONS AND DETAILS. THE PVC TANK SHALL BE INSTALLED BELOW GRADE AND COVERED WITH A OLDCASTE HOPE PLASTIC JUMBO VALVE BOX MODEL 2436. VALVE BOX SHALL HAVE THE FOLLOWING MINIMUM DIMENSIONS OF (26-1/4" W X 37-3/4" L X 24" D). VALVE BOX SHALL BE FURNISHED WITH A GREEN 'T-COVER' LID WITH 1/2" STAINLESS HEX BOLT. INSTALL (3) 4" FLANGED GATE VALVES ON MAINLINE IN SEPARATE VALVE BOXES WITH MAINLINE SEGMENTS ARRANGED TO CREATE A SUB-MAINLINE OR BY-PASS TO ISOLATE LIQUID FERTILIZER DISPENSER FROM PRIMARY MAINLINE DISCHARGE WHEN TANK IS NOT IN USE. INSTALL A EASY-FLO MODEL 'CBV-400' 4" SCH. 40 PVC COUPLING BALL VALVE CONNECTOR TO ACCESS TANK HOSES TO NEW IRRIGATION MAINLINE. INSTALL COUPLING BALL VALVE CONNECTOR AS PER MANUFACTURER'S SPECIFICATIONS. THE EXACT LOCATION OF THE LIQUID FERTILIZER TANK SHALL BE SPOTTED IN THE FIELD BY THE VENTURA SCHOOL DISTRICT'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR FILLING TANK WITH 'CRITTER-MAX' LIQUID RODENT CONTROL AS PART OF THIS INSTALLATION PRIOR TO BEGINNING THE IRRIGATION SYSTEM TO GERMINATE HYDRO-SEED TURF.
(H)	INSTALL NEW REMOTE CONTROL VALVE - TRENCH NEW SCH. 40 PVC LATERALS AND CONNECT TO ORPHANED TURF ROTORS TO RESUPPLY WATER OUTSIDE OF NEW TURF AREA: THERE WILL BE SEVERAL (E) TURF ROTORS THAT WILL BE CUT OFF FROM THEIR HISTORICAL WATER SUPPLY AS A RESULT OF THE IRRIGATION WORK. THESE ROTORS ARE LOCATED IN THE ADJACENT OPEN FIELD AREA THAT IS TO REMAIN ACTIVE UNTIL THE SYNTHETIC FIELD IS CONSTRUCTED. INSTALL NEW REMOTE CONTROL VALVES AS PER IRRIGATION PLAN. TRENCH AND INSTALL NEW SCH. 40 PVC LATERALS AND INTERSECT INTO THE REMAINING (E) TURF ROTOR LATERALS THAT HAVE BEEN SEVERED FROM THEIR WATER SUPPLY. FIELD VERIFY THE EXACT (E) LATERAL PIPE SIZE DURING THIS WORK. INSTALL (E) LINE SIZE LATERAL SCH. 40 PVC SOLVENT WELD FITTING ONTO NEW SCH. 40 PVC LATERAL SUPPLY PIPE ORIGINATING FROM NEW REMOTE CONTROL VALVE AND CONNECT ONTO (E) LATERAL PIPE TO RESUPPLY THE REMAINING (E) TURF ROTORS.
(I)	REMOVE THE (E) BOOSTER PUMP FROM THE (E) CONCRETE PAD AND REPLACE IT WITH A NEW IRRIGATION BOOSTER PUMP: THE EXISTING BOOSTER PUMP IS LOCATED ON A CONCRETE PAD SECURED BY A 6'-0" CHAIN LINK FENCE WITH (2) 6'-0" WIDE ACCESS GATES. DISCONNECT THE (E) POWER SUPPLY AND DUCTILE IRON FLANGES TO ALLOW THE (E) BOOSTER PUMP HOUSED IN A ALUMINUM TOP OPENING SECURITY ENCLOSURE TO BE REMOVED. REMOVE ALL ANCHOR BOLTS. CAREFULLY REMOVE THE (E) BOOSTER PUMP FROM THE CONCRETE SLAB AND DELIVER IT TO THE VUSD FACILITIES DEPARTMENT. INSTALL NEW IRRIGATION BOOSTER PUMP HOUSED IN A TOP OPENING ALUMINUM ENCLOSURE ONTO (E) CONCRETE SLAB. POSITION THE PUMP TO ALLOW FOR EASY CONNECTION TO THE (E) 4" DUCTILE IRON PIPING ORIGINATING FROM THE (E) 4" REDUCED PRESSURE BACKFLOW DEVICE. SECURE THE BOOSTER PUMP SECURITY ENCLOSURE TO THE (E) CONCRETE SLAB USING HILTI MODEL KB-T22-3/8" STAINLESS STEEL ANCHOR BOLTS, MINIMUM EMBEDMENT 2". A MINIMUM OF (4) ANCHOR BOLTS WILL BE INSTALLED TO SECURE ENCLOSURE TO THE (E) CONCRETE SLAB. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED DUCTILE IRON SPOOLS AND FITTINGS NEEDED TO RECONNECT THE WATER SUPPLY INTO THE NEW BOOSTER PUMP 3" FLANGED INLET AND REQUIRED FITTINGS AND DUCTILE IRON SPOOLS TO CONNECT 3" FLANGED PUMP OUTLET TO 4" DUCTILE IRON IRRIGATION PIPING. THE NEW BOOSTER PUMP WILL BE THE SAME ELECTRICAL POWER AS THE PREVIOUSLY REMOVED PUMP. RECONNECT THE ELECTRICAL POWER SUPPLY TO THE BOOSTER PUMP AS PER BUILDING CODE. ENSURE THAT ALL WIRING IS ENCLOSED WITHIN EMT CONDUIT WITH ALL WIRE SPLICE CONNECTIONS HOUSED WITHIN APPROVED J-BOXES. INSTALL DUCTILE IRON SPOOLS AND FITTINGS AS NEEDED TO EXTEND 4" PIPING FROM DISCHARGE OF PUMP ACROSS CONCRETE SLAB AND CONNECTING TO IRRIGATION MAINLINE. IN ALL CASES, USE STAINLESS STEEL BOLTS AND 3/8" THICK GASKETS TO CONNECT ALL FLANGED CONNECTIONS.
(J)	INSTALL (2) NEW AUTO CONTROLLERS 'B' AND 'C' ON NEW CONCRETE SLAB WITH A 6'-0" TALL CHAIN LINK SECURITY FENCE ENCLOSURE: INSTALL A CONCRETE PAD WITH DIMENSIONS OF 10'-0" L X 7'-0" W X 5" THICK AT THE SPECIFIC LOCATION IDENTIFIED BY V.U.S.D. STAFF. THE BACK SIDE OF THE ENCLOSURE SHALL BE SECURED BY THE (E) PORTABLE CLASSROOM BUILDING EXTERIOR WALL. CONSTRUCT A 6'-0" TALL CHAIN LINK FENCE ON THE TWO REMAINING OPEN SIDES OF THE CONCRETE SLAB. INSTALL A 6'-0" WIDE CHAIN LINK FENCE GATE ON THE SIDE OF THE ENCLOSURE THAT FACES THE OPEN TURF FOR MAINTENANCE ACCESS TO THE NEW AUTO CONTROLLERS. INSTALL (1) 16 STATION AUTO CONTROLLER 'B' AND (1) TWO-WIRE AUTO CONTROLLER 'C' THAT HAVE BEEN ASSEMBLED INTO A STAINLESS STEEL ENCLOSURE BY SITE ONE GREEN TECH. V.U.S.D. SHALL INSTALL 120 VOLT, 2 AMP ELECTRICAL POWER TO THE TWO AUTO CONTROLLERS USING AN EXISTING POWER SOURCE ON CAMPUS. ALL ELECTRICAL WIRING SHALL BE HOUSED IN EMT CONDUIT AND SECURED TO THE BUILDING WALL BY V.U.S.D FORCES OR SUB-CONTRACTOR INCLUDING EMT CONDUIT TO THE AUTO CONTROLLER SECURITY ENCLOSURE ASSEMBLY. V.U.S.D FORCES SHALL CONNECT TO THE AUTO CONTROLLERS TO THE NEW POWER SUPPLY AS PER BUILDING CODE. CONTRACTOR SHALL INSTALL ALL REQUIRED SCH. 40 PVC SWEEP ELBOWS FROM BASE OF AUTO CONTROLLER ENCLOSURE UNDER CONCRETE SLAB TO ACCESS THE ADJACENT LANDSCAPE AREA. THESE CONDUITS INCLUDE ONE FOR THE TWO WIRE CABLE, GROUND WIRES, 14-GAUGE WIRES, AND FLOW SENSING CABLES. BOTH 14-GAUGE IRRIGATION VALVE WIRES AND FLOW SENSING CABLES WITHIN THE CONDUITS SHALL BE INSTALLED AS PART OF FUTURE WORK.
(K)	TWO WIRE CABLE INSTALLED IN 1-1/4" SCH. 40 CONTINUOUS CONDUIT - INSTALL IN SAME TRENCH WITH MAINLINE WHEN POSSIBLE: INSTALL TWO WIRE CABLE, RAIN MASTER MODEL TW-CAB-14, IN A CONTINUOUS 1-1/4" SCH. 40 PVC ELECTRICAL CONDUIT AT 24" BELOW GRADE. INSTALL 1-1/4" SCH. 40 PVC ELECTRICAL SWEEP ELBOWS INTO AND OUT OF ALL REMOTE CONTROL VALVE BOXES, WIRE PULP BOXES, WIRE SPLICE BOXES, AND ALL LIGHTNING GROUNDING CONNECTIONS. WIRE SHALL BE INSTALL CONTINUOUSLY ALONG MAINLINE RUN WITH ALL SPLICES OCCURRING IN EITHER REMOTE CONTROL VALVE BOXES, LIGHTNING GROUNDING EQUIPMENT VALVE BOXES, OR WIRE SPLICE BOXES ONLY. IN THE EVENT THE CABLE IS SEVERED DURING CONSTRUCTION, A RECTANGULAR VALVE BOX SHALL BE INSTALLED OVER THE WIRE SPLICE AND WIRES SPLICED TOGETHER WITH 3M WATER PROOF WIRE CONNECTORS, MODEL DBR-Y6 SERIES ONLY. THE VALVE BOX LID SHALL BE HEAT STAMPED 'WIRE SPLICE BOX'. ALL WIRE SPLICES AND CONNECTIONS SHALL BE PERFORMED AS PER RAIN MASTER SPECIFICATIONS.
(L)	INSTALL LIGHTNING GROUNDING EQUIPMENT ON TWO WIRE CABLE: INSTALL THE FOLLOWING TORO EQUIPMENT ATTACHED TO THE TWO WIRE CABLE RUN TO GROUND THE CABLE IN THE EVENT OF AN ELECTRICAL SURGE CREATED AS A RESULT OF A LIGHTNING STRIKE. THE CONTRACTOR SHALL INSTALL A STANDARD RECTANGULAR VALVE BOX TO HOUSE A TORO LIGHTNING ARRESTOR MODEL TW-LA-1 AS WELL AS A

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / REMARKS	DETAIL NO.	SHEET NO.
— — — — —	(E) 1961 IRRIGATION MAINLINE	UNKNOWN	VARIES - 3" & 4" SIZE PIPE ARE ASBESTOS-CEMENT PIPE (TRANSITE) / 2" & LESS ARE SCH. 40 GALV. STEEL - 18"- 24" BELOW GRADE	NA	NA
-----	(E) 2006 IRRIGATION MAINLINE	UNKNOWN	2-1/2" SIZE PIPE & LESS - SCH. 40 PVC / 3" & LARGER CLASS 315 PVC - 18"- 24" BELOW GRADE	NA	NA
-----	(E) BURIED PVC LATERALS	UNKNOWN	CLASS 200 PVC LATERAL - SOLVENT WELD - 12" BELOW GRADE	NA	NA
NO SYMBOL	SLEEVING (IF NEEDED)	PACIFIC PLASTICS	SCH. 40 PVC OR CLASS 200 PVC - 3 PIPE SIZES LARGER THAN THE PIPE TO BE SLEEVED - 24" BELOW GRADE. SEE SLEEVING SCHEDULE THIS SHEET FOR ADDITIONAL INFORMATION.	1	L5.1
— 14 —	(E) PVC WIRE CONDUIT	UNKNOWN	3" SCH. 40 PVC ELECTRICAL CONDUIT - SOLVENT WELD - 24" BELOW GRADE - HOUSING (E) 14-GAUGE WIRES - PROTECT IN PLACE	NA	NA
-----	(N) TWO-WIRE CABLE	TORO	TW-CAB-14 - INSTALL IN CONTINUOUS 1-1/4" SCH. 40 PVC CONDUIT - 24" BELOW FINISH GRADE	1	L5.1
-----	(N) MAINLINE - 1-1/2" SIZE OR LESS	PACIFIC PLASTICS	SCH. 40 PVC - 1-1/2" SIZE OR LESS - SOLVENT WELD - 24" BELOW GRADE	1, 2	L5.1
-----	(N) MAINLINE - 2" SIZE & LARGER	PACIFIC PLASTICS	CLASS 315 PVC - 2" TO 4" - SOLVENT WELD - 24" BELOW GRADE	1, 2	L5.1
-----	(N) LATERAL - ALL SIZES	PACIFIC PLASTICS	SCH. 40 PVC - 1/2" & LARGER - SOLVENT WELD - 12" BELOW GRADE	1	L5.1
	(E) BACKFLOW DEVICE	WILKINS	375 RPD SERIES - 4" SIZE - INSTALLED WITHIN (E) CHAIN LINK FENCING SECURITY ENCLOSURE - PROTECT IN PLACE	NA	NA
	(E) NORMALLY OPEN MASTER VALVE	SUPERIOR	3300-SERIES - 2" SIZE - INSTALLED IN A VALVE BOX - PROTECT IN PLACE	NA	NA
	(E) NORMALLY CLOSED MASTER V.	SUPERIOR	3200-SERIES - 3" SIZE - INSTALLED IN A VALVE BOX - PROTECT IN PLACE	NA	NA
	(E) FLOW SENSORS	RAINMASTER	FS-200 - 2" / FS-150 - 1.5" - SCH. 40 PVC BODIES - SOLVENT WELD - IN SEPARATE VALVE BOXES - PROTECT IN PLACE	NA	NA
	(E) REMOTE CONTROL VALVES	SUPERIOR / FEBCO	MODELS VARY - INSTALLED IN INDIVIDUAL VALVE BOXES - EITHER PROTECT IN PLACE OR REMOVE AS NOTED ON IRRIGATION PLAN	NA	NA
	(E) POP UP TURF ROTOR	HUNTER	1-40 SERIES - REMOVE (E) ROTORS FROM NEW DEFINED GRASS AREA - PROTECT IN PLACE (E) ROTORS TO REMAIN IN OPERATION	NA	NA
	(E) BRASS BALL VALVE	MATCO-NORCA	759 SERIES - BRASS BODY - IN VALVE BOX - PROTECT IN PLACE	NA	NA
	(E) PRESSURE REGULATOR	WILKINS	500 SERIES - LINE SIZE - BRONZE BODY - THREADED - SPRING RANGE 10-125 PSI - IN VALVE BOX - PROTECT IN PLACE	NA	NA
	(E) QUICK COUPLER	RAIN BIRD	33-DRC - 3/4" INLET SIZE, 2 PIECE BRASS BODY, YELLOW COLORED COVER - IN 10" ROUND VALVE BOX - PROTECT IN PLACE	NA	NA
	(E) AUTO CONTROLLER	RAINMASTER	36 STATION EVOLUTION SERIES AUTO CONTROLLER IN A STAINLESS STEEL ENCLOSURE - PROTECT IN PLACE	NA	NA
	(E) HYDRAULIC CONVERTER	MOODY	UNIT IS MOUNTED ON A BACKBOARD WITHIN CHAIN LINK SECURITY ENCLOSURE - PROTECT IN PLACE	NA	NA
	(E) WIRE PULL BOX	CARSON	1324-12 (JUMBO) 16" WIDE X 25.5" LONG X 12" DEEP WITH GREEN BODY AND LOCKING LID - PROTECT IN PLACE	NA	NA

	IRRIGATION BOOSTER PUMP	SITE ONE GREEN TECH	U.S.D. SHALL PURCHASE THE PUMP ASSEMBLY LOCATED FROM SITE ONE GREEN TECH AND DELIVER TO A SITE ONE FACILITY IN OXNARD, CA. CONTRACTOR SHALL PROVIDE ALL REQUIRED EQUIPMENT AND LABOR TO PICK UP BOOSTER PUMP ASSEMBLY FROM SITE ONE FACILITY IN OXNARD AND DELIVER IT TO THE SITE. CONTRACTOR SHALL INSTALL THE PUMP ASSEMBLY ONTO THE (E) CONCRETE PUMP PAD WITHIN AN EXISTING CHAIN LINK FENCED ENCLOSURE AS PER PLANS AND MANUFACTURER'S SPECS.	X	L5.2
	IRRIGATION AUTO CONTROLLERS 'B' AND 'C'	TORO / SITE ONE GREEN TECH	SITE ONE GREEN TECH ASSEMBLY # SA8-RM2-16TW / GR-K / GR-K / (17) RMD-1 / (4) RMLA / (1,500') CAB14-B. (1) 16-STATION TORO EAGLE-PLUS AUTO CONTROLLER W/ STANDARD 14-GAUGE WIRE TERMINAL STRIP. (2) TWO-WIRE TORO EAGLE-PLUS AUTO CONTROLLER - INSTALLED TOGETHER WITHIN A STAINLESS STEEL SECURITY ENCLOSURE. BOTH AUTO CONTROLLERS WILL BE PRE-ASSEMBLED WITHIN THE SECURITY ENCLOSURE BY SITE ONE GREEN TECH. THE COMPLETED ASSEMBLY SHALL BE PURCHASED BY U.S.D. AND SHIPPED TO SITE ONE LANDSCAPE FACILITY IN OXNARD, CA. CONTRACTOR SHALL PROVIDE ALL REQUIRED EQUIPMENT AND LABOR TO PICK UP THE AUTO CONTROLLER ASSEMBLY WITH ALL OF THE FOLLOWING COMPONENTS, (17) SINGLE STATION VALVE DECODERS, (4) TWO-WIRE GROUND ROD ASSEMBLIES, (1) GROUND ROD ASSEMBLY FOR TRADITIONAL CONTROLLER, AND 1,500 LINEAR FEET OF TWO-WIRE CABLE ALL PRE-PURCHASED BY U.S.D. CONTRACTOR SHALL DELIVER THE EQUIPMENT TO THE SITE AND SHALL INSTALL THE COMPONENTS AS PER PLANS.	X	L5.2
	(N) DUCTILE IRON GATE VALVE	NIBCO	MODEL SERIES F-619RW-SON, DUCTILE EPOXY COATED DUCTILE IRON FLANGED BODY - LINE SIZE - ORDER UNIT WITH A HEAVY DUTY OPERATING NUT, INSTALL ON MAINLINES 2" SIZE OR LARGER - IN A STANDARD RECTANGULAR GREEN VALVE BOX	3	NA
	(N) REMOTE CONTROL VALVE	SUPERIOR	950DW SERIES - BRASS BODY - INSTALL IN A JUMBO VALVE BOX AS PER REMOTE CONTROL VALVE DETAIL WITH TORO SINGLE STATION TWO-WIRE DECODER, IDENTIFIED ON PLANS AS 'RMD-1'. SPICE DECODER TO CABLE AND VALVE SOLENOID WITH EITHER TORO MODEL TW-SPLICE-14 OR 3M MODEL DBR-Y6 WATERPROOF WIRE SPLICE CONNECTORS. VALVE SIZES NOTED ON PLAN.	5	L5.1
	(N) PRESSURE REGULATING REMOTE CONTROL VALVE	SUPERIOR	950-PRS SERIES - BRASS BODY - INSTALL IN A JUMBO VALVE BOX AS PER REMOTE CONTROL VALVE DETAIL WITH TORO SINGLE STATION TWO-WIRE DECODER, IDENTIFIED ON PLANS AS 'RMD-1'. SPICE DECODER TO CABLE AND VALVE SOLENOID WITH EITHER TORO MODEL TW-SPLICE-14 OR 3M MODEL DBR-Y6 WATERPROOF WIRE SPLICE CONNECTORS. VALVE SIZES NOTED ON PLAN.	5	L5.1
	(N) QUICK COUPLER	RAIN BIRD	33-DRC - 3/4" INLET SIZE, 2 PIECE BRASS BODY, YELLOW COLORED COVER - IN 10" ROUND VALVE BOX	7	L5.1
	(N) IRRIG. UNIVERSAL AIR VALVE	CRISPIN	IC-10A (1" SIZE) - INSTALL IN STANDARD RECTANGULAR VALVE BOX WITH GREEN LOKING LID	6	L5.1
	(N) TWO-WIRE CABLE PULL BOX	CARSON / EQUAL	1419-12 - GREEN LID - HEAT STAMP 1" TALL LETTERS 'PB'	8	L5.1
	LIQUID FERTILIZER DISPENSER	EZ-FLO INJECTION SYSTEMS	MODEL EZ025-HC - 25 GALLON CAPACITY TANK WITH EZ-FLO MODEL 'CBV-400 4" SCH. 40 PVC COUPLING BALL VALVE COMPLETE WITH DISTRIBUTION TUBING AND RELATED FITTINGS. INSTALL CBV-400 ON 4" CLASS 315 PVC MAINLINE PIPING WITHIN JUMBO VALVE BOX. OLDCASTLE MODEL 29489 - BOX DIMENSIONS 26-1/4" W X 31-1/4" H X 24" DEEP. EXCAVATE BELOW BASE OF BOX TO FILL WITH FERTILIZER TANK INTO EARTH TO ALLOW BASE OF VALVE BOX COMPLETELY ENCLOSED TANK AND ALL OF ITS COMPONENTS. UPON COMPLETION OF IRRIGATION SYSTEM AND AFTER HYDROSEED APPLICATION HAS BEEN APPLIED TO FIELD, CONTRACTOR SHALL PURCHASE AND INSTALL 25 GALLONS OF 'CRITTER-MAX' RODENT CONTROL TO MINIMIZE POTENTIAL GOPHER DAMAGE TO NEW FIELD.	4	L5.1

ARC PATTERNS					DESCRIPTION	MANUFACTURER	MODEL / COMMENTS	PSI	RAD	GPM Q	GPM T	GPM H	GPM TT	GPM TQ	GPM F	DETAIL NO.	SHEET NO.
Q	T	H	TT	TQ	F												
						POP UP TURF ROTOR	HUNTER	I40-06-SS-08 (LIGHT BROWN NOZZLE)	65	46	9.20					11	L5.1
						POP UP TURF ROTOR	HUNTER	I40-06-SS-13 (LIGHT BLUE NOZZLE)	65	52	13.3					11	L5.1
						POP UP TURF ROTOR	HUNTER	I40-06-SS-15 (GRAY NOZZLE)	65	57		16.6				11	L5.1
						POP UP TURF ROTOR	HUNTER	I40-06-SS-15 (GRAY NOZZLE)	65	57			16.6			11	L5.1
						POP UP TURF ROTOR	HUNTER	I40-06-SS-15 (GRAY NOZZLE)	65	57				16.6		11	L5.1
						POP UP TURF ROTOR	HUNTER	I40-06-SS-15 (GRAY NOZZLE)	65	57					16.6	11	L5.1
						POP UP TURF ROTOR	HUNTER	I20-06-PRB-MPR-25Q NOZZLE (RED NOZZLE)	45	25	1.00					12	L5.1
						POP UP TURF ROTOR	HUNTER	I20-06-PRB-MPR-25T NOZZLE (RED NOZZLE)	45	25		1.38				12	L5.1
						POP UP TURF ROTOR	HUNTER	I20-06-PRB-MPR-25H NOZZLE (RED NOZZLE)	45	25			1.98			12	L5.1
						POP UP TURF ROTOR	HUNTER	I20-06-PRB-MPR-25F NOZZLE (RED NOZZLE)	45	25					3.82	12	L5.1

ALL SLEEVES TO BE INSTALLED 24" BELOW GRADE

<u>MAINLINE OR / LATERAL PIPE SIZE</u>	<u>SLEEVE SIZE REQUIRED</u>
3/4" SCH. 40 PVC / SCH. 40 PVC	1 1/2" SCH. 40 PVC
1" SCH. 40 PVC / SCH. 40 PVC	2" SCH. 40 PVC
1 1/4" SCH. 40 PVC / SCH. 40 PVC	2 1/2" SCH. 40 PVC
1 1/2" SCH. 40 PVC / SCH. 40 PVC	3" CLASS 200 PVC
2" CLASS 315 / SCH. 40 PVC	4" CLASS 200 PVC
2 1/2" CLASS 315 / SCH. 40 PVC	4" CLASS 200 PVC
3" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC
4" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC
6" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC

REMOTE CONTROL VALVE C-13 - 83 GPM

DESCRIPTION	C-13
AVAILABLE STATIC WATER PRESSURE	50.0 PSI
LOSS THROUGH 6" WATER METER	2.0 PSI
LOSS FROM METER TO BACKFLOW DEVICE	1.5 PSI
LOSS THROUGH 4" BACKFLOW DEVICE	13.5 PSI
LOSS THROUGH 4" DUCTILE IRON TO PUMP INLET	0.5 PSI
AVAILABLE PRESSURE AT PUMP INLET	32.5 PSI
DISCHARGE PRESSURE AT PUMP	90.0 PSI
LOSS THROUGH (E) 3" MASTER VALVE	2.6 PSI
LOSS THROUGH 4" ASBESTOS-CEMENT MAINLINE	6.3 PSI
LOSS THROUGH 4" CLASS 315 PVC MAINLINE	2.2 PSI
LOSS THROUGH 2" REMOTE CONTROL VALVE	2.6 PSI
LOSS THROUGH SCH. 40 PVC LATERALS	6.2 PSI
LOSS THROUGH SYSTEM PIPE FITTINGS	3.5 PSI
LOSS DUE TO ELEVATION CHANGE	0.0 PSI
TOTAL FRICTION LOSS FROM PUMP	23.4 PSI
AVAILABLE PSI AT DISCHARGE OF PUMP	90.0 PSI
OPERATING PSI	66.6 PSI

A diagram of a hexagonal valve label. The label is divided into three sections by a vertical line and a horizontal line. The top section contains the text 'C-13'. The bottom section contains the text '2"'. The right section contains the text '83'. Three callout lines point to these sections: one from the top left to 'C-13' labeled 'AUTO CONTROLLER / STATION NUMBER', one from the bottom left to '2"' labeled 'REMOTE CONTROL VALVE SIZE', and one from the top right to '83' labeled 'GALLONS PER MINUTE'.

(E) VALVE STATION
NUMBER PER RECORD
DRAWINGS - FIELD
VERIFY

(E) REMOTE CONTROL
VALVE SIZE

UNKNOWN EXISTING
GALLONS PER MINUTE



VENTURA UNIFIED
SCHOOL DISTRICT
2255 WEST STANLEY AVENUE
VENTURA, CA. 93001

SHEET TITLE
IRRIGATION LEGEND

PROJECT
BALBOA MIDDLE SCHOOL
OPEN PLAY AREA
TURF RENOVATION
247 S HILL RD, VENTURA, CA

247 S HILL RD, VENTURA, CA 93003

L3.3

SHEET 6 OF 12
PROJECT No. 25.16