

SYMB.	DESCRIPTION	MANUFACTURER & MODEL	NOTES	DET.
	GEAR DRIVEN COOL-DOWN ROTARY HEAD IN SYNTHETIC TURF SPECIALTY VAULT	HUNTER STG-800-83 ADJUSTABLE ARC VALVE	120" RADIUS, 92 GPM AT 120 PSI WITH HUNTER SYNTHETIC TURF VAULT AND 473900 RUBBER COVER	5 / TF232
NOT SHOWN	HIGH STRENGTH SWING JOINTS - FOR HEADS	HUNTER ST2008-VA SWING JOINT W/ 239800 & 239800 FITTINGS		5 / TF232
NOT SHOWN	HIGH STRENGTH SWING JOINTS - FOR QCVS	LASCO G88-400		5 / TF232
	BRONZE BALL VALVE	NIBCO T-585-70 1-1/2" OR EQUAL FULL PORT		3 / TF232 2 / TF233
	NEW COOL-DOWN CONTROL VALVE	SUPERIOR 950	2-1/2"	3 / TF232 2 / TF233
	NEW 24 VAC SOLENOID CONTROL VALVE	SUPERIOR 950	2"	3 / TF232
	QUICK COUPLER VALVE	RAINBIRD 44		5 / TF232
(EX-T-6")	EXISTING TRANSITE MAIN LINE - SIZE NOTED		SEE NOTE 1	
HP	HIGH PRESSURE MAINLINE	PVC CLASS 315 W/ DUCTILE IRON JOINTS		4 / TF232 2 / TF233
LP	LOW PRESSURE MAINLINE	PVC SCHEDULE 40 W/ SOLVENT WELD OR GASKETED JOINTS - STANDARD THRUST BLOCKING		4 / TF232
	NON-PRESSURE LATERAL LINE	PVC SCHEDULE 40 W/ SOLVENT WELD JOINTS		4 / TF232
	BRASS GATE VALVE	NIBCO T-113	LINE SIZE	2 / TF232
	COOL-DOWN CONTROLLER	"COACHS SWITCH" BY IMPERIAL TECHNICAL SERVICES (CAE-TS2-6-1 M/V/PSR) - PROVIDE WITH ITS FLOW GUARD, FLOW SENSOR, AND M.V.	PEDESTAL MOUNT, KEY CONTROLLED 4 STATION SECURE INTERVAL TIMER	3 / TF233
	LANDSCAPE CONTROLLER	RAINMASTER EAGLE PINE-8-EG-SPED 18 STATION WITH CENTRAL AND IMPERIAL TECH SERVICES M/V MASTER VALVE VARIABLE TIMER POWER ASSEMBLY	IN SPED PEDESTAL - PROVIDE WITH 5 YEAR H-CENTRAL CONTRACT	4 / TF233
	MASTER VALVE	SUPERIOR NORMALLY CLOSED		1 / TF232
	FLOW SENSOR	IRITROL FS-B50 1-1/2" AND FS-B200 2" AS NOTED	USE EV-CAB-COM CABLE	1 / TF232
	IRRIGATION ONLY WATER METER	SEE SHEET C-501		C-501
	IRRIGATION BACKFLOW PREVENTER	SEE SHEET C-501		C-501
	IRRIGATION / COOL-DOWN BOOSTER PUMP	BARRETT ENGINEERED PUMPS SKD W/ ENCLOSURE BCR20-5-2-3VDF-F 1/2 HP - 480 VAC 3 PHASE VFD DUAL PRESSURE SET POINTS 1/2" HIGH PRESSURE 10 PSI - 1/2" LOW PRESSURE 80 PSI		1 / TF233
	CONTROL AND SENSOR WIRE SLEEVE	RIGID PVC SCH. 40 GRAY OR WHITE	SIZE NOTED ON PLAN	4 / TF232
	PIPE SLEEVE - LATERAL LINE	RIGID PVC SCH. 40	SIZE NOTED ON PLAN	4 / TF232
	PIPE SLEEVE - MAIN LINE	RIGID PVC SCH. 80	SIZE NOTED ON PLAN	4 / TF232

PLAN NOTES:

- (EX) INDICATES AREA OF EXISTING CONTROL ZONE SERVED BY REPLACED VALVE
- 1 APPROXIMATE LOCATION OF TRANSITE LINE TO ABATE. ABATE ALL ENCOUNTERED TRANSITE LINE. REFER TO PROJECT ABATEMENT SPECIFICATIONS FOR ABATEMENT REQUIREMENTS.
- 2 POINT OF CONNECTION FOR NEW 6" HIGH PRESSURE PVC MAIN LINE PROVIDING CONTINUATION OF SERVICE TO BASEBALL FIELD AND AREAS OUTSIDE PROJECT. PROVIDE BEFORE ANY IRRIGATION DEMOLITION IN ORDER TO MAINTAIN CONTINUOUS IRRIGATION FOR AREAS OUTSIDE OF PROJECT.
- 3 POINT OF CONNECTION FOR CONTROL WIRES FROM EX. CONTROLLER - VERIFY. CONTROL WIRES TO BASEBALL FIELD MUST BE REROUTED THROUGH PROJECT AS NOTED.
- 4 DISREGARD ANY ENCOUNTERED HYDRAULIC CONTROL LINES AROUND FOOTBALL FIELD. HYDRAULIC CONTROL SYSTEM HAS BEEN ABANDONED AND IS NOT IN USE.
- 5 NEW 4" HIGH PRESSURE PVC LINE AND SENSOR WIRE IN SLEEVE FROM PUMP TO POINT OF FUTURE CONNECTION TO SERVE FUTURE SYNTHETIC TURF BASEBALL FIELD COOL-DOWN SYSTEM.
- 6 NEW COACHES SWITCH CONTROLLER FOR FIELD COOL-DOWN - SEE LEGEND THIS SHEET.
- 7 NEW LANDSCAPE IRRIGATION TIMER/CONTROLLER FOR ALL EXISTING LANDSCAPING AROUND FOOTBALL FIELD. SEE LEGEND THIS SHEET.
- 8 FLOW SENSOR CABLE AND MASTER VALVE CONTROL WIRES TO/FROM FOOTBALL FIELD COACHES SWITCH BY HOME FIELD HOUSE - SEE LEGEND THIS SHEET.
- 9 FLOW SENSOR CABLE AND MASTER VALVE CONTROL WIRES TO/FROM FUTURE BASEBALL COACHES SWITCH IN SPLICE BOX BY BASEBALL FIELD.
- 10 FLOW SENSOR CABLE AND MASTER VALVE CONTROL WIRES TO/FROM LANDSCAPE TIMER/CONTROLLER FOR FLOW MONITORING.
- 12 QUICK COUPLER FOR SYNTHETIC TURF - SEE LEGEND THIS SHEET.
- 13 VALVE BOX FOR FOR EXISTING WATER VALVE IN SYNTHETIC TURF - ADAPT TO EXISTING VALVE.
- 14 EXISTING IRRIGATION HEADS AT TOP OF SLOPE - RELOCATED AND ADJUST TO ACCOMMODATE NEW FIRE ACCESS STAIR AND WATER SERVICE AS NOTED IN NOTES 14A THROUGH 14D.
- 14A REPLACE EX. HEAD WITH QUARTER ARC HEAD AND MOVE TO CORNER OF NEW STAIR.
- 14B PROVIDE AND INSTALL NEW QUARTER ARC HEAD TO MATCH AT OPPOSITE SIDE OF STAIR - CONNECT UNDER NEW STAIR TO HEAD AT OTHER SIDE USING PIPE SIZED TO MATCH EX.
- 14C PROVIDE AND INSTALL NEW PART ORCLE ARC HEADS WITH THROW RADIUS TO FIT BETWEEN STAIR AND WATER SERVICE AND PRECIPITATION RATE EQUAL TO EXISTING HEADS.
- 14D PROVIDE AND INSTALL NEW QUARTER ARC HEADS MATCHING EXISTING HEADS AND CONNECT TO EXISTING PIPING USING PIPE SIZED TO MATCH.

IRRIGATION CONTROL VALVE PROJECT REQUIREMENTS:

- GENERAL VALVE NOTES:
- 1 REPLACE ALL EXISTING CONTROL VALVES AT RETAINED CONTROL LOCATIONS WITH NEW CONTROL VALVES AND VALVE BOXES PER 2 (TF232)
- 2 PROVIDE NEW MANUAL BALL VALVES IN SEPARATE VALVE BOXES FOR EVERY CONTROL VALVE PER 2 (TF232)
- 3 ALL IRRIGATION CONTROL VALVES IN THE PROJECT LIMIT OF WORK MUST BE WIRED TO THE NEW IRRIGATION CONTROLLER

PLAN VALVE NOTES:

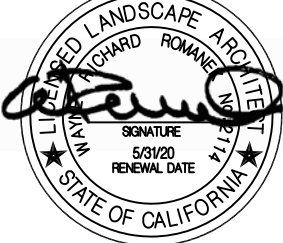
- 15 REMOVE EXISTING CONTROL VALVE NO LONGER REQUIRED RETURN ALL REMOVED EQUIPMENT TO DISTRICT
- 16 REPLACE EXISTING CONTROL VALVE IN PLACE AND PROVIDE NEW CONTROL WIRE TO NEW CONTROLLER "A" SEE LEGEND THIS SHEET FOR NEW VALVE TYPE AND SIZE PROVIDE NEW VALVE BOX AS DETAILED
- 17 REPLACE EXISTING CONTROL VALVE WITH NEW AT NEW LOCATION - PIPE VALVE TO EXISTING ZONE IRRIGATION HEADS USING PVC SCHEDULE 40 PIPE NO SMALLER THAN SIZE OF LARGEST EXISTING PIPE USED IN ZONE. PROVIDE NEW VALVE BOX AND WIRE TO NEW CONTROLLER "A" RETURN ALL REMOVED EQUIPMENT TO DISTRICT

TRUE NORTH
PLAN NORTH
FIELD COOLING AND IRRIGATION UPGRADE PLAN
Scale: 1" = 20'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120551 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 01/11/2021

REVISIONS

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NORWALK LA MIRADA UNIFIED SCHOOL DISTRICT
LA MIRADA HIGH SCHOOL NEW FOOTBALL STADIUM PROJECT
13520 ADELEA DRIVE, LA MIRADA, CA 90638

DSA # 03-120551

NAC
ARCHITECTURE
NAC NO. 161-19015
DATE 12-10-2020

DSA BACKCHECK SUBMISSION

FIELD COOLING AND IRRIGATION UPGRADE PLAN

TF 2.31