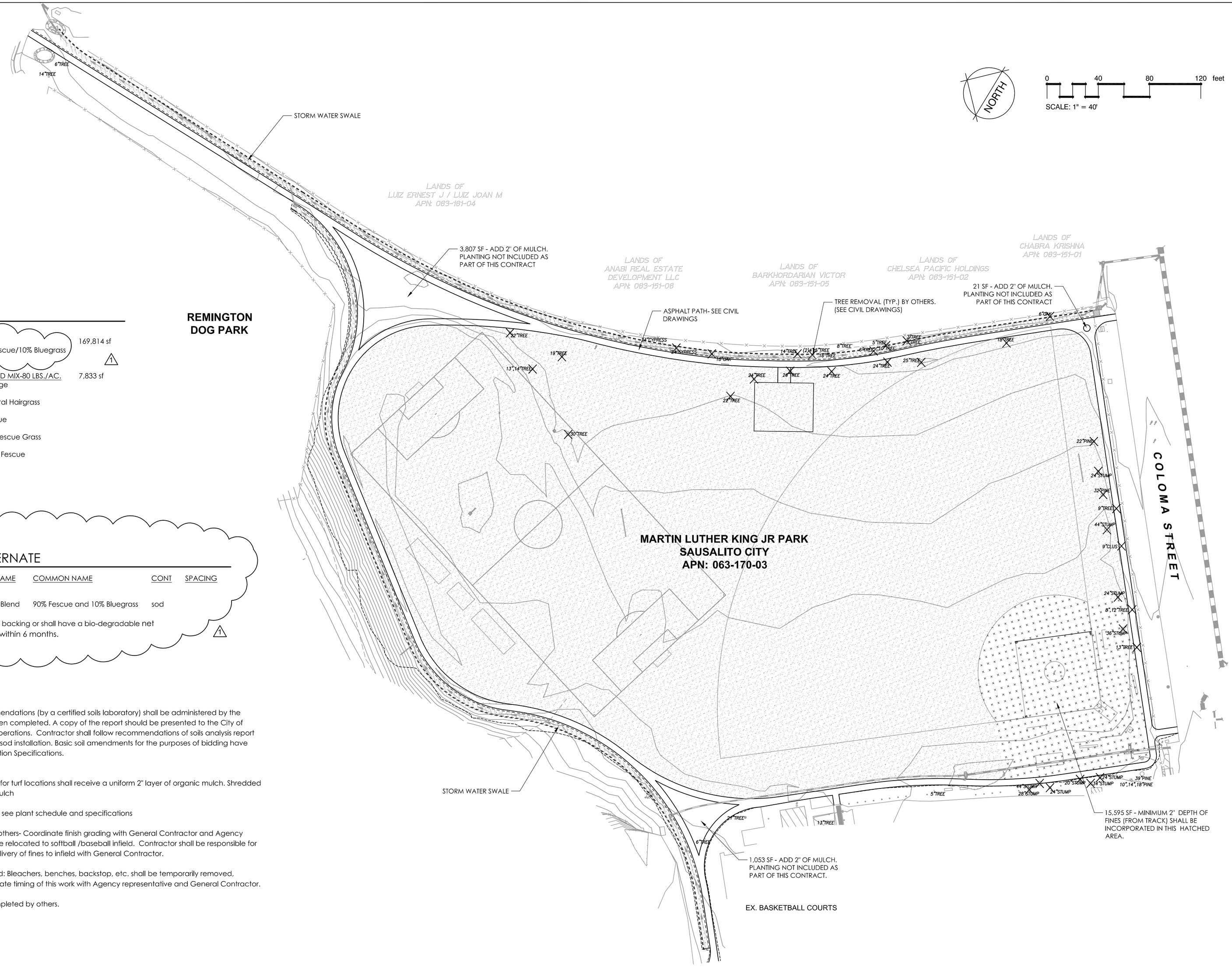

PLANT SCHEDULE

	TURF SEED MIX -10LBS./1000 SF. Fescue/Bluegrass Blend / 90% Fescue/10% Bluegrass	169,814 sf
	STORM WATER SWALE HYDROSEED MIX-80 LBS./AC. Carex praegracilis / Slender Sedge 2 lbs/ ac. Deschampsia holciformis / Coastal Hairgrass 8 lbs/ ac. Festuca idahoensis / Idaho Fescue 20 lbs./ ac. Festuca occidentalis / Western Fescue Grass 20 lbs./ ac. Festuca rubra `Molate` / Molate Fescue 30 lbs./ ac.	7,833 sf

PLANT SCHEDULE-ADD ALTERNATE

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	169,814 sf	90/10 Fescue Blend	90% Fescue and 10% Bluegrass	sod	

*Sod shall have no plastic net backing or shall have a bio-degradable net backing that decomposes within 6 months.

LANDSCAPE/ PLANTING NOTES

1. A certified soils analysis report and recommendations (by a certified soils laboratory) shall be administered by the Contractor after site rough grading has been completed. A copy of the report should be presented to the City of Sausalito representative prior to planting operations. Contractor shall follow recommendations of soils analysis report and specifications as they pertain to seed/sod installation. Basic soil amendments for the purposes of bidding have been included within Landscape Construction Specifications.
2. All new landscape/planting areas, except for turf locations shall receive a uniform 2" layer of organic mulch. Shredded bark (Guerilla hair) is not an acceptable mulch
3. Storm water swales shall be hydro-seeded- see plant schedule and specifications
4. Site rough grading shall be completed by others- Coordinate finish grading with General Contractor and Agency Representative. Fines from the track shall be relocated to softball /baseball infield. Contractor shall be responsible for finish grading of the infield. Coordinate delivery of fines to infield with General Contractor.
5. Equipment at/around softball/baseball field: Bleachers, benches, backstop, etc. shall be temporarily removed, replaced or relocated by others. Coordinate timing of this work with Agency representative and General Contractor.
6. Tree removals, shown on plan shall be completed by others.

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Rev	Date	Description	Designed	Drawn	Checked
1	10-3-18	REVISE FOR BID	RLS	RLS	

MLK ATHLETIC FIELD IMPROVEMENTS
PLANTING PLAN
CITY OF SAUSALITO

City Of
Sausalito
County Of
Marin
State Of
California

Prepared Under the Direction of:

REGISTERED LANDSCAPE ARCHITECT
Rodney L. Scaccalosi
No. 4452
Exp. 05/31/20
STATE OF CALIFORNIA

Sheet
L1.0

Scale:	1" = 40'
Date:	5/30/2018
Project Number:	4.1162.02
Plan File:	D-XXXX-05

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
13	Hunter I-40-06-SS Turf Rotor, 6.0" Pop-Up. Adjustable to Full Circle. Drain Check Valve, Stainless Steel Riser, 1" Female NPT Inlet Threads, Standard Nozzle.	2	70	13.3	52'
15	Hunter I-40-06-SS Turf Rotor, 6.0" Pop-Up. Adjustable to Full Circle. Drain Check Valve, Stainless Steel Riser, 1" Female NPT Inlet Threads, Standard Nozzle.	61	70	16.6	57'
23	Hunter I-40-06-SS Turf Rotor, 6.0" Pop-Up. Adjustable to Full Circle. Drain Check Valve, Stainless Steel Riser, 1" Female NPT Inlet Threads, Standard Nozzle.	2	70	23.0	64'
25	Hunter I-40-06-SS Turf Rotor, 6.0" Pop-Up. Adjustable to Full Circle. Drain Check Valve, Stainless Steel Riser, 1" Female NPT Inlet Threads, Standard Nozzle.	6	70	25.8	67'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Rain Bird XCZ-100-PRB-LC Wide Flow Drip Control Kit, for Light Commercial Uses. 1" PEB Valve, with 1" Pressure Regulating 40psi Basket Filter. 0.3gpm to 20gpm.	1
	Pipe Transition -rigid PVC pipe to polytubing Pipe transition point from PVC lateral to .700" drip tubing with riser in 6" (150mm) drip box. Maximum run length for .700 tubing shall not exceed 100 L.F. (Tubing shall be staked 3` o.c. and buried to a minimum depth of 4" below finish grade)	2
	Area to Receive Drip Emitters Netafim BD Single Outlet Non-Pressure Compensating Drip Emitter, BD Dripper Barb Inlet and Flush Outlet. Red= 0.5gph, Black= 1.0gph, Green= 2.0gph. Emitter Notes: BD5 emitters (1 assigned to each 1 gal plant) BD20 emitters (2 assigned to each 15 gal plant) BD20 emitters (2 assigned to each 24"box plant) BD5 emitters (1 assigned to each 4"pot plant) BD10 emitters (1 assigned to each 5 gal plant)	4,855 s.f.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Hunter IBV 1", 1-1/2", 2", and 3" Brass Electric Remote Control Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.	14
	Rain Bird 44-LRC 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body.	2
mv	Buckner-Superior 3100-PRS 3" Normally Open Brass Master Valve that Provides Dirty Water Protection. Available in 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2" and 3". Pressure Regulation Feature.	1
BF	Febco 825Y 2" Existing Reduced Pressure Backflow Preventer. Install Lemeur BF-99 Enclosure (Standard acryclic foliage green color)	1
C	Weathermatic SL1600 with (4) SLM4 Existing 16-zone controller, internal 120VAC/230VAC transformer, large backlit LCD display	1
FS	Weathermatic SLFSI-S30 3⁄4 Saddle Type Insert Flow Sensor – Used with the SmartLink Flow Aircard. 3" saddle: 6 to 300 GPM	1
M	Water Meter 2"	1
	Irrigation Lateral Line: PVC Schedule 40 1-1/4" unless otherwise indicated on the plan	4,286 l.f.
	Irrigation Mainline: PVC Schedule 40 New 3" unless otherwise noted on plan. Screened/grayed out mainline on plan reflects the assumed location of the existing mainline, The total LF of mainline is a mix of new and existing.	1,088 l.f.
	Pipe Sleeve: PVC Schedule 40	122.2 l.f.

Valve Callout

- # — Valve Number
- #" / # — Valve Flow
- Valve Size

GENERAL IRRIGATION NOTES

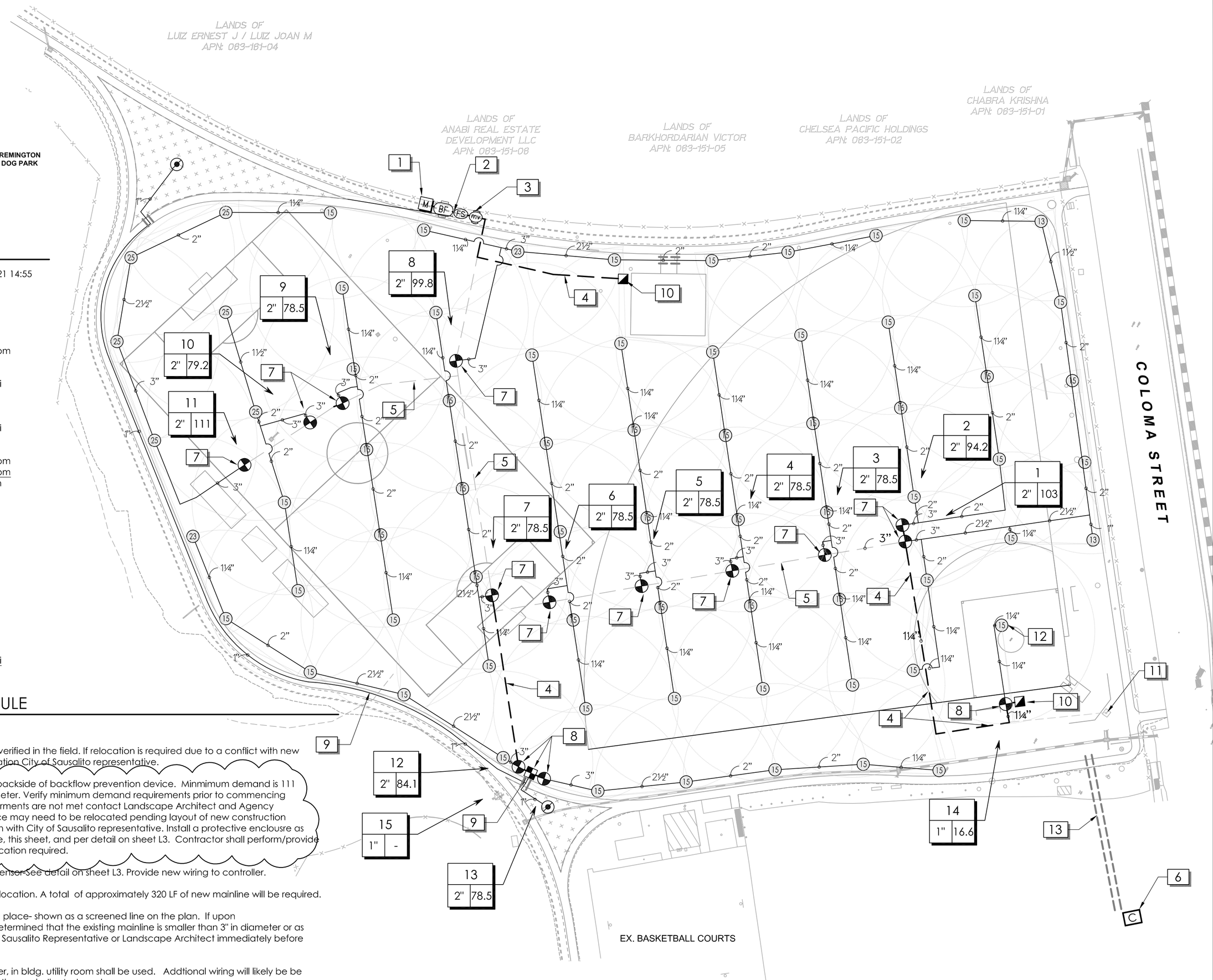
1. Locate all irrigation equipment in landscape planters. Equipment shown in pavement and/or offsite is for clarity only. All valve boxes shall be located at least 2' from any pavement, structures, utilities, etc..
2. Install Hunter I-40 heads so that top of head is ½" to ¾" below finish grade. Portions of the field will be used for vehicle parking- it is critical that all heads are installed with swing joint assemblies and slightly below finish grade in order to prevent damage by vehicular traffic.
3. Irrigation sleeves as indicated on legend and plan shall be installed at all pavement/hardscape crossings.
4. Contact 811 Before You Dig prior to commencing any construction.
5. All existing Landscape equipment, including mainline, that is designated to remain in use shall be preserved and protected in place during all times of construction. Existing equipment that is damaged due to neglectful construction operations shall be replaced by the contractor at no expense to the City of Sausalito. (1)

CRITICAL ANALYSIS

Generated:	2018-08-21 14:55
P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	2"
Flow Available:	120.00 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	110.00 psi
Elevation Change:	5.00 ft
Service Line Size:	3"
Length of Service Line:	20.00 ft
Pressure Available:	108.00 psi
DESIGN ANALYSIS	
Maximum Station Flow:	111.30 gpm
Flow Available at POC:	120.00 gpm
Residual Flow Available:	8.70 gpm
Critical Station:	1
Design Pressure:	60.00 psi
Friction Loss:	5.20 psi
Fittings Loss:	0.52 psi
Elevation Loss:	0.00 psi
Loss through Valve:	4.56 psi
Pressure Req. at Critical Station:	70.28 psi
Loss for Fittings:	0.55 psi
Loss for Main Line:	5.48 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	12.72 psi
Loss for Master Valve:	2.39 psi
Loss for Water Meter:	8.33 psi
Critical Station Pressure at POC:	99.75 psi
Pressure Available:	108.00 psi
Residual Pressure Available:	8.25 psi

REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
1	Water meter location shall be verified in the field. If relocation is required due to a conflict with new construction coordinate relocation City of Sausalito representative.
2	Point of connection (POC) at backside of backflow prevention device. Minmimum demand is 111 g.p.m. at 102 psi at irrigation meter. Verify minimum demand requirements prior to commencing construction. If minimum requirments are not met contact Landscape Architect and Agency representative. Backflow device may need to be relocated pending layout of new construction facilities: Coordinate relocation with City of Sausalito representative. Install a protective enclosure as specified on irrigation schedule, this sheet, and per detail on sheet L3. Contractor shall perform/provide any necessary testing or certification required.
1	
3	Install Master Valve and Flow Sensor-See detail on sheet L3. Provide new wiring to controller.
4	Provide a new mainline at this location. A total of approximately 320 LF of new mainline will be required.
5	Existing mainline shall remain in place- shown as a screened line on the plan. If upon excavation/construction it is determined that the existing mainline is smaller than 3" in diameter or as shown on plan contact City of Sausalito Representative or Landscape Architect immediately before resuming construction.
6	Existing Weathermatic controller, in bldg. utility room shall be used. Addtional wiring will likely be be necessary for 4 new valve locations as indicated on plan.
7	Locate existing valve location in the field and install new valve as shown on plan. Valves are assumed buried: City of Sausalito representative shall provide assistance locating existing valves. The location on the plan is assumed reasonably accurate. Existing wiring shall be used. Verify that wiring is functional prior to installing new valve. Add new wires if no wires exist at valve locatrion.New valves shall be re-buried in a valve box within the field of play so that valve box lids are not exposed and such that the box/ ground will not provide a threat to safety of field users. see detail on sheet L3 as guide. Coordinate actual buried valve box treatment with Agency representative. Agency representaive shall provide approval prior to completing construction. Install tracing wires under the valve box lid so that Agency maintenance staff can locate valve location in the future.
8	New valve at new valve location (4 total locations) shall be installed. Provide additional wiring to controller. Valve boxes shall be set at finish grade at these 4 locations. Provide 2 sets of extra wires at valve manifold/location.
9	Provide drip valve and lateral lines as shown on plan for future planting.
10	Install quick coupler in valve box adjacent to ball field and exercise area. Coordinate and verify actual location with City of Sausalito representative. Quick Coupler use may affect function of master valve and flow sensor: coordinate functionality with City of Sausalito Representative.
11	Existing drinking fountain- abandon and cap existing connection unless otherwise directed by agency.
12	Install sprinkler head in small 4" dia. valve box behin pitching mound. Valve box cover shall not be higher than finish grade.
13	Provide new 1-1/2" sleeve for additional RCV control, master valve and flow sensor wires or locate any existing sleeving that might be available/accomodating for new control wires. .See note #7 above.



NORTH

0 40 80 120 feet

SCALE: 1" = 40'

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MLK ATHLETIC FIELD IMPROVEMENTS

IRRIGATIION PLAN

CITY OF SAUSALITO

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California

Prepared Under the Direction of:

REGISTERED LANDSCAPE ARCHITECT
Rodney L. Scaccalosi
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Sheet
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