

PLANT SCHEDULE

	TURF SEED MIX -10LBS./1000 SF. Festuca x 'Medallion Tall Fescue Blend' / Tall Fescue	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

*Seed selections are available through Pacific Coast Seed:
quotes@pcseed.com

PLANT SCHEDULE-ADD ALTERNATE

GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
	169,814 sf	Festuca x 'Medallion Tall Fescue Blend'	Tall Fescue	sod	

*Sod is available through Pacific sod.: 800.942.5296

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.

**REMINGTON
DOG PARK**

**MARTIN LUTHER KING JR PARK
SAUSALITO CITY
APN: 063-170-03**

Checked	Drawn	Designed	Description	Date	Rev

**MLK ATHLETIC FIELD IMPROVEMENTS
PLANTING PLAN
CITY OF SAUSALITO**

City Of
Sausalito
County Of
Marin
State Of
California

Prepared Under the Direction of:



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"
(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.	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	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" 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 Lf.
---	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 Lf.
---	Pipe Sleeve: PVC Schedule 40 Valve Callout	122.2 Lf.
#	Valve Number	
#	Valve Flow	
#	Valve Size	

GENERAL IRRIGATION NOTES

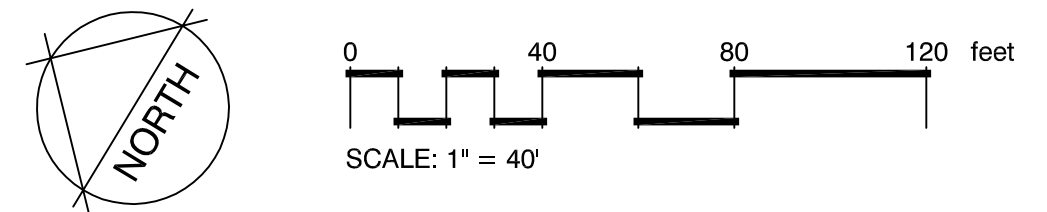
- Locate all irrigation equipment in landscape planters. Equipment shown in pavement and/or office is for clarity only. All valve boxes shall be located at least 2' from any pavement, structures, utilities, etc..
- Install Hunter I-40 heads so that top of head is 1/2" to 1" below finish grade. Portions 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.
- Irrigation sleeves as indicated on legend and plan shall be installed at all pavement/hardscape crossings.
- Contact 811 (Before you dig) prior to commencing any construction.

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. Minimum demand is 111 g.p.m. at 102 psi at irrigation meter. Verify minimum demand requirements prior to commencing construction. If minimum requirements 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.
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. Additional wiring will likely 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 location. 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 representative 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 behind 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/accommodating for new control wires. See note #7 above.



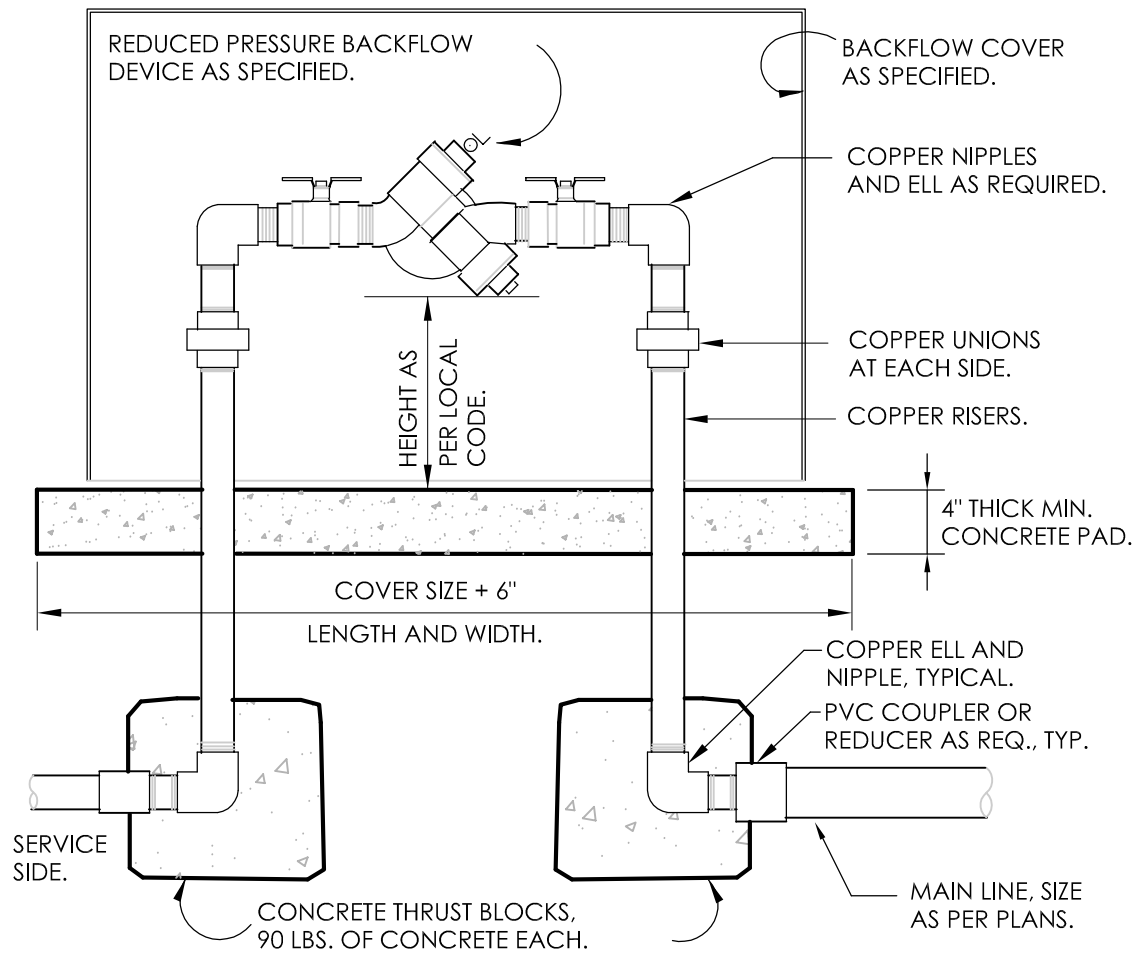
CSW | ST 2
CSW/Stubler-Strooh Engineering Group, Inc.
 45 Loweroni Court Novato, CA 94949 Tel: 415.883.9860 Fax: 415.883.9535
 Civil & Structural Engineers
 Surveying & Mapping
 Environmental Planning
 Land Planning
 Construction Management

Checked	Drawn	Designed	Description	Date	Rev

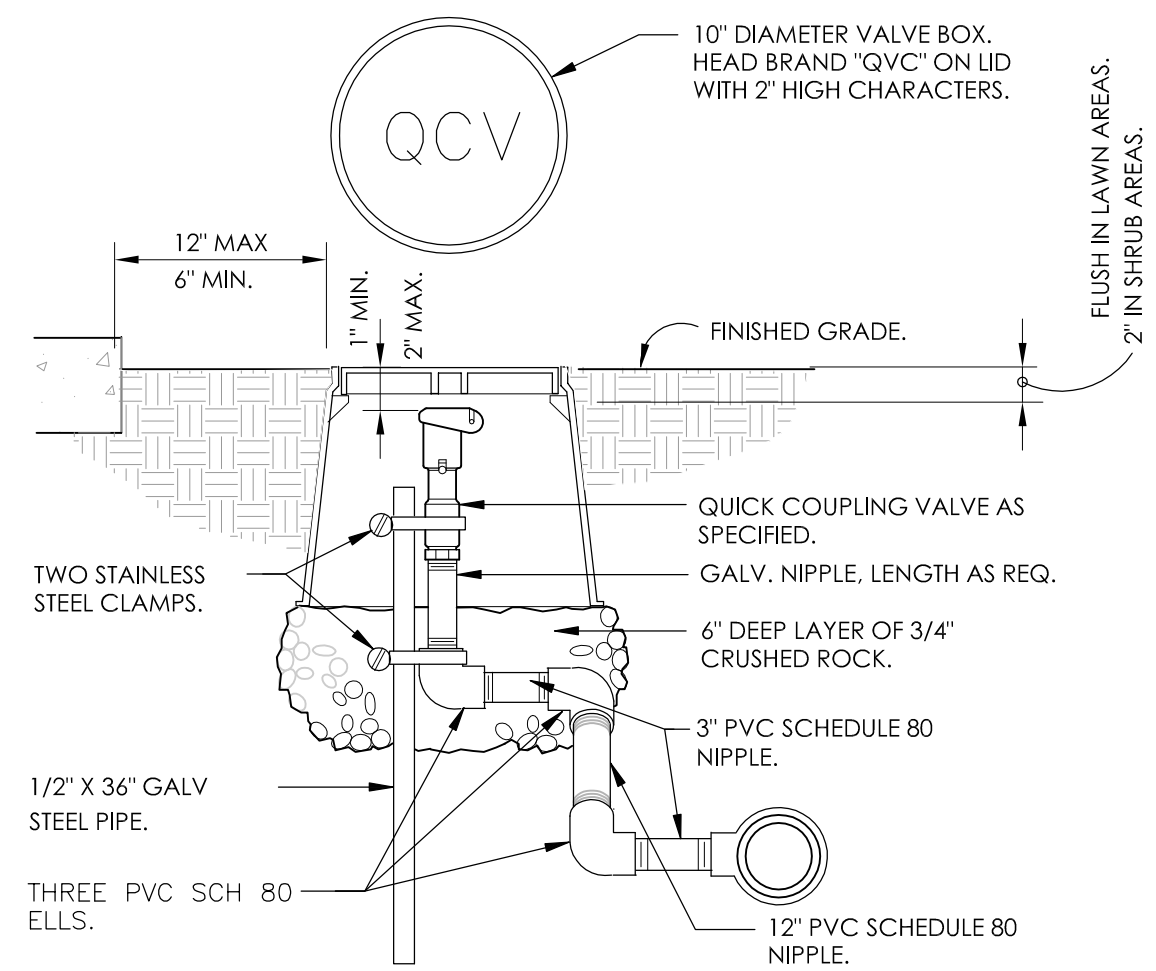
MLK ATHLETIC FIELD IMPROVEMENTS
IRRIGATION PLAN
 CITY OF SAUSALITO

City Of Sausalito
 County Of Marin
 State Of California
 Prepared Under the Direction of:

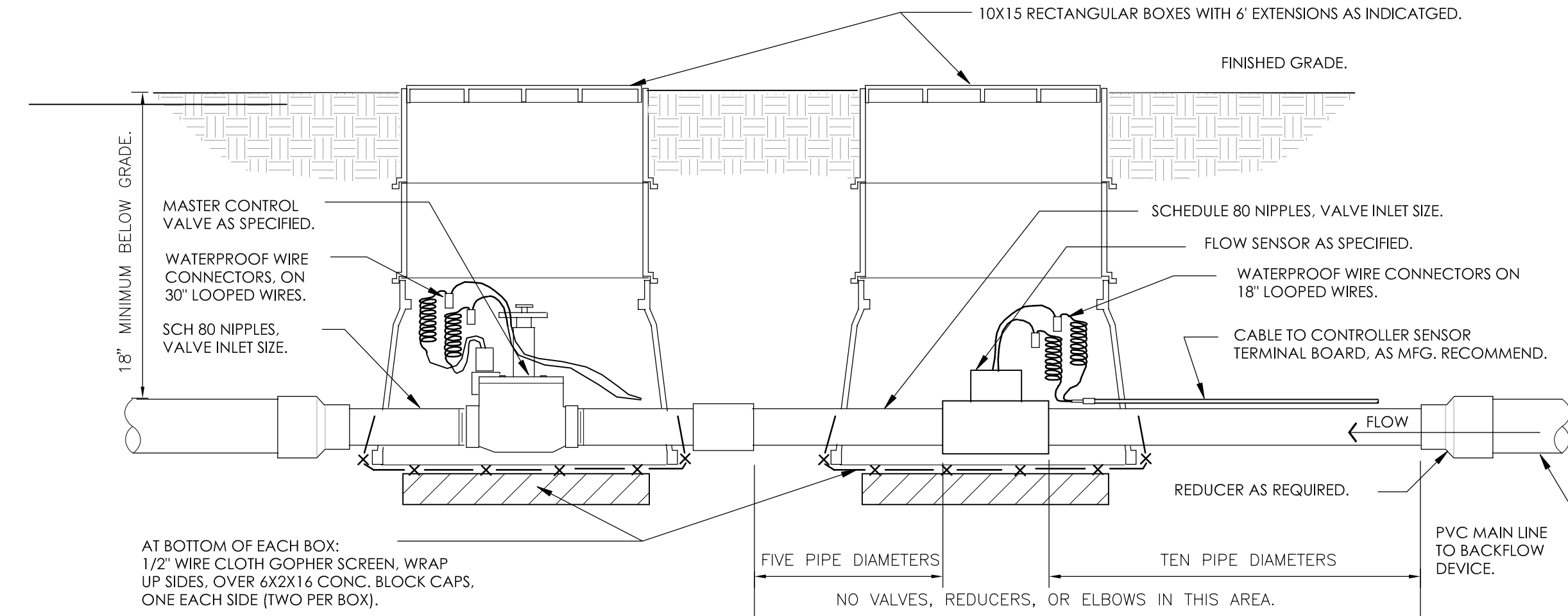
 Sheet
L2.0
 Scale: 1" = 40'
 Date: 5/30/2018
 Project Number: 4.1162.02
 Plan File: D-XXXX-05



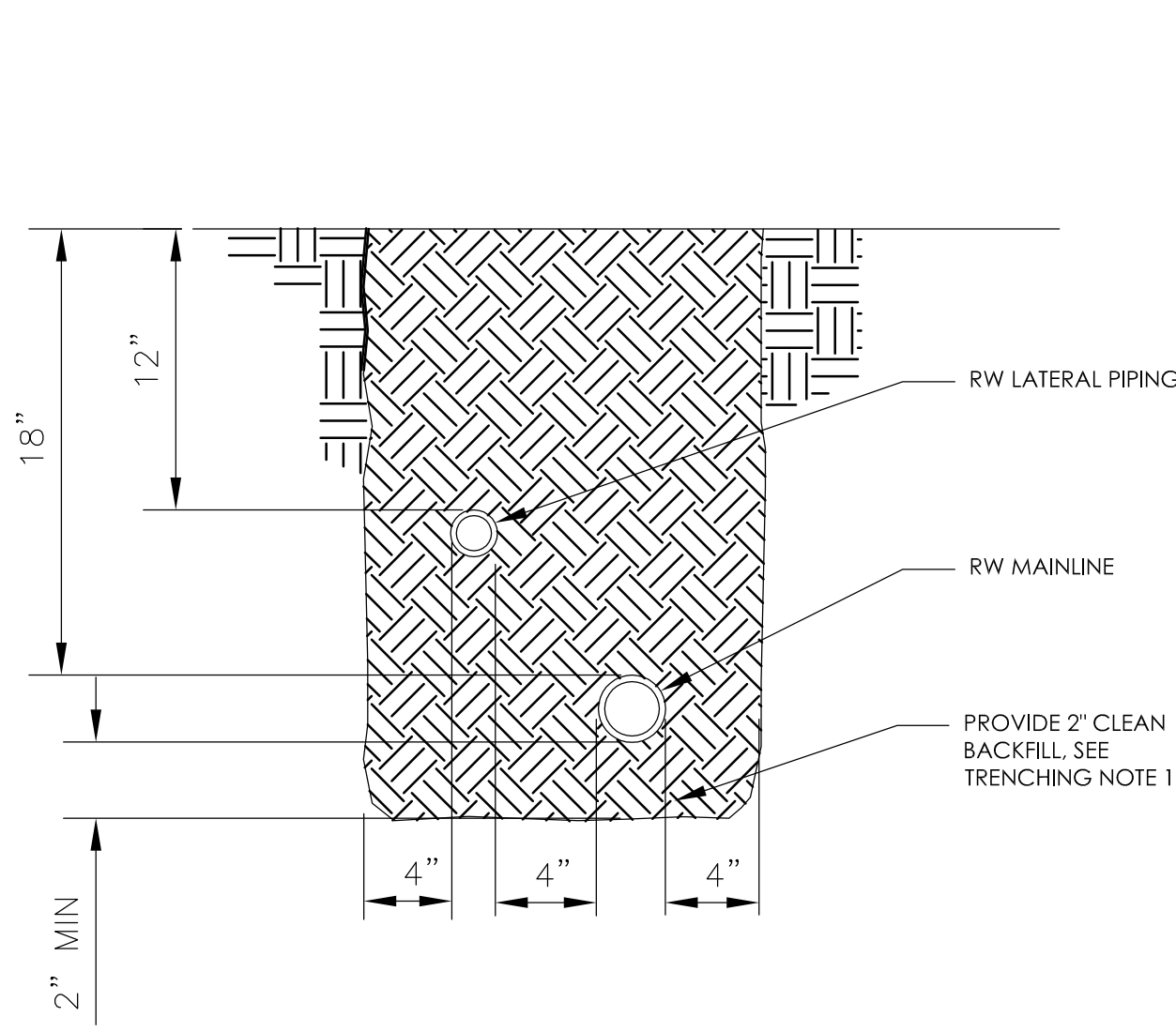
1 RP BACKFLOW W/ENCLOSURE-CONFORMANCE ONLY
1" = 1'-0"
DETAIL-FILE



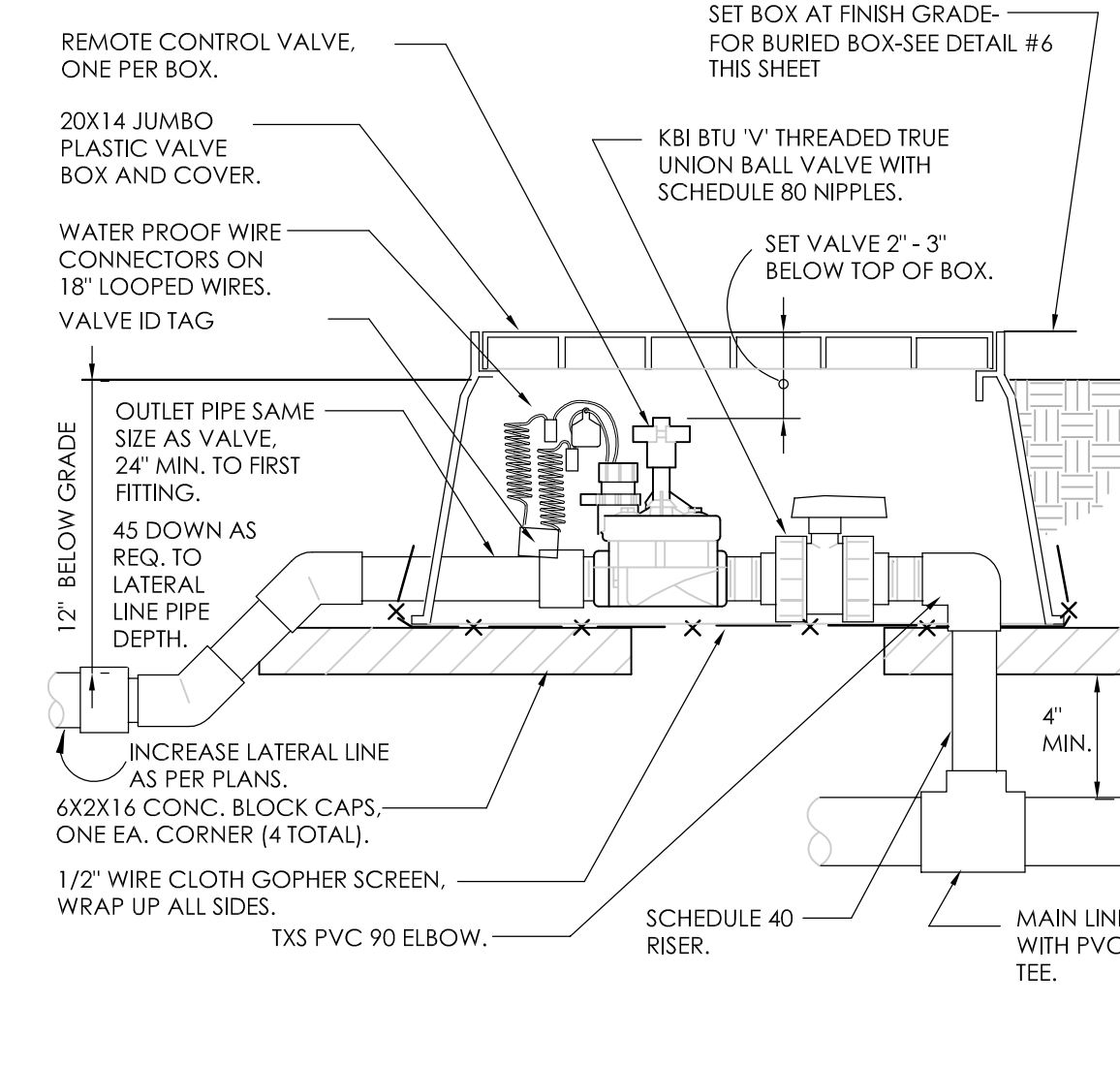
2 QUICK COUPLING VALVE IN BOX
1 1/2" = 1'-0"
FX-IR-FX-QUIC-03



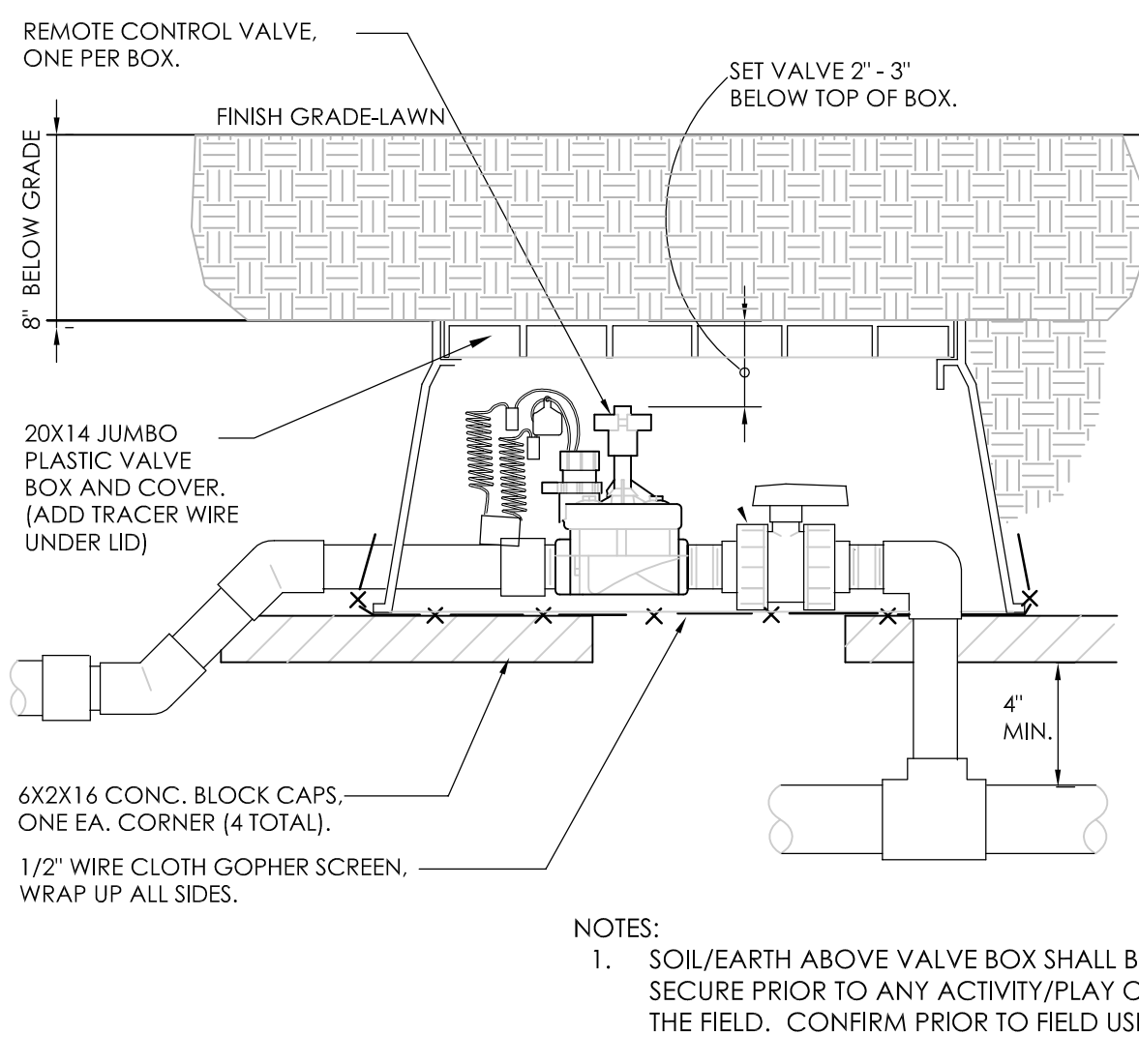
3 MASTER VALVE/FLOW SENSOR ASSEMBLY
1 1/2" = 1'-0"
FX-IR-FX-MAST-56



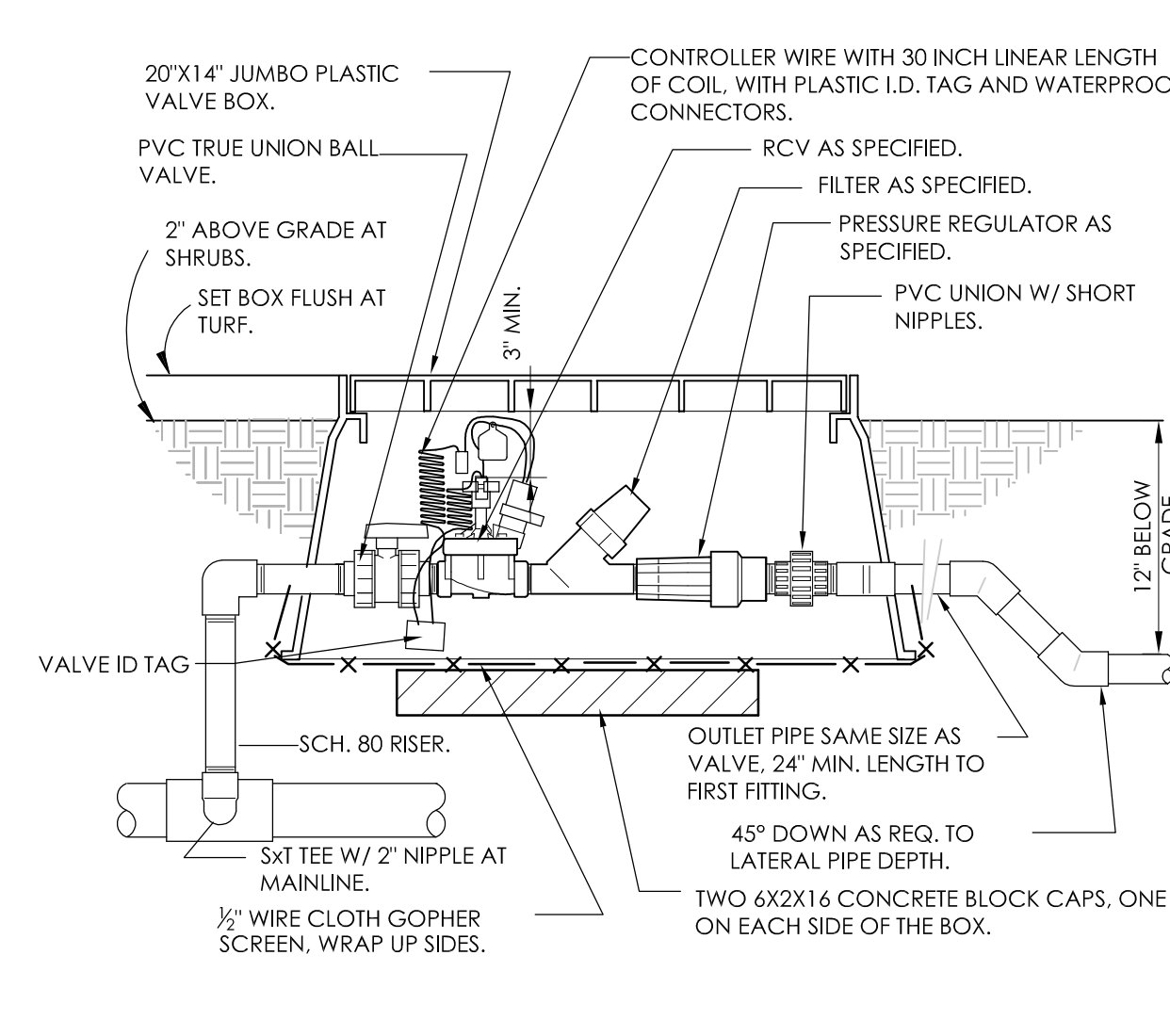
4 MAIN AND LATERAL LINE SEPARATION STANDARDS
NTS
DETAIL-FILE



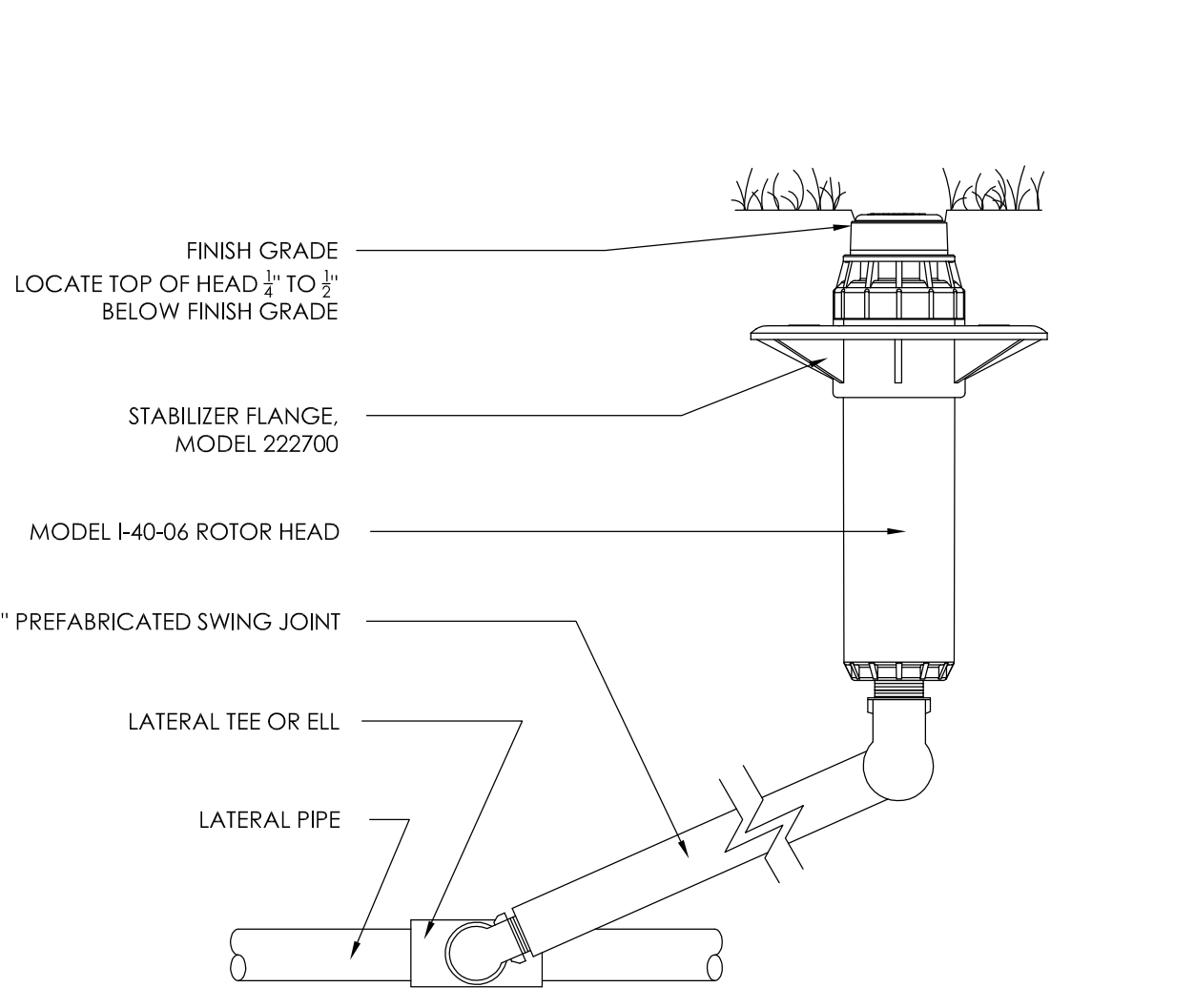
5 RCV WITH UNION S.O.V.
1 1/2" = 1'-0"
DETAIL-FILE



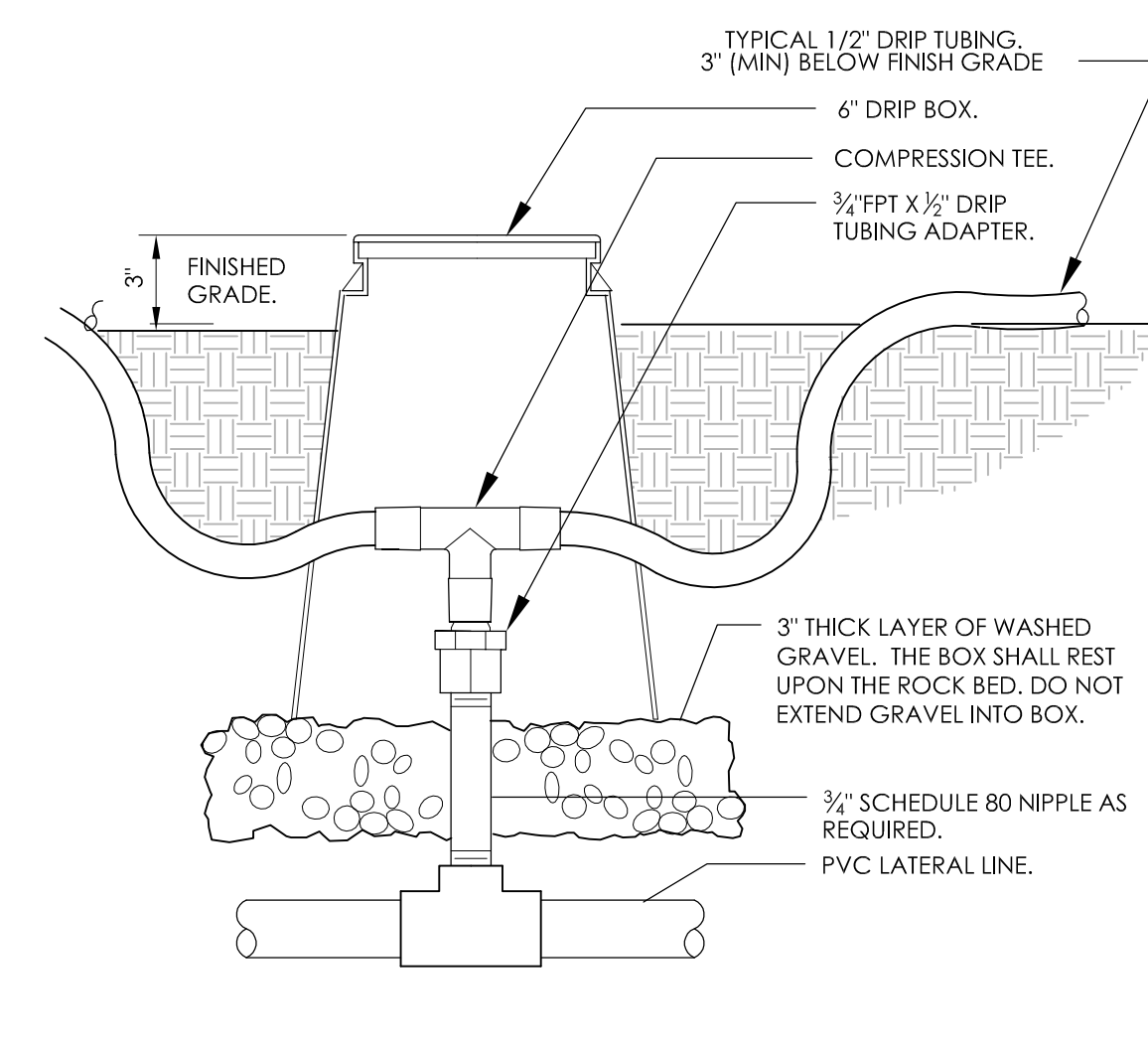
6 BURIED VALVE BOX (IN FIELD OF PLAY)
1 1/2" = 1'-0"
DETAIL-FILE



7 1" DRIP VALVE/FILTER/REGULATOR
1 1/2" = 1'-0"
DETAIL-FILE



8 I-40-06 ROTOR HEAD
3" = 1'-0"
DETAIL-FILE



9 ZONE CONTROL
3" = 1'-0"
DETAIL-FILE

Checked	Drawn	Designed	Description	Date	Rev

**MLK ATHLETIC FIELD IMPROVEMENTS
CONSTRUCTION DETAILS
CITY OF SAUSALITO**

City Of Sausalito
County Of Marin
State Of California

Prepared Under the Direction of:

Rodney L. Scoccolosi
No. 4452
Exp. 05/31/20
STATE OF CALIFORNIA

Sheet **L3.0**
Scale: 1" = 40'
Date: 5/30/2018
Project Number: 4.1162.02
Plan File: D-XXXX-05