

W.H. Williamson Park Irrigation Project

10551 COLOMA ROAD, SACRAMENTO, CALIFORNIA 95827

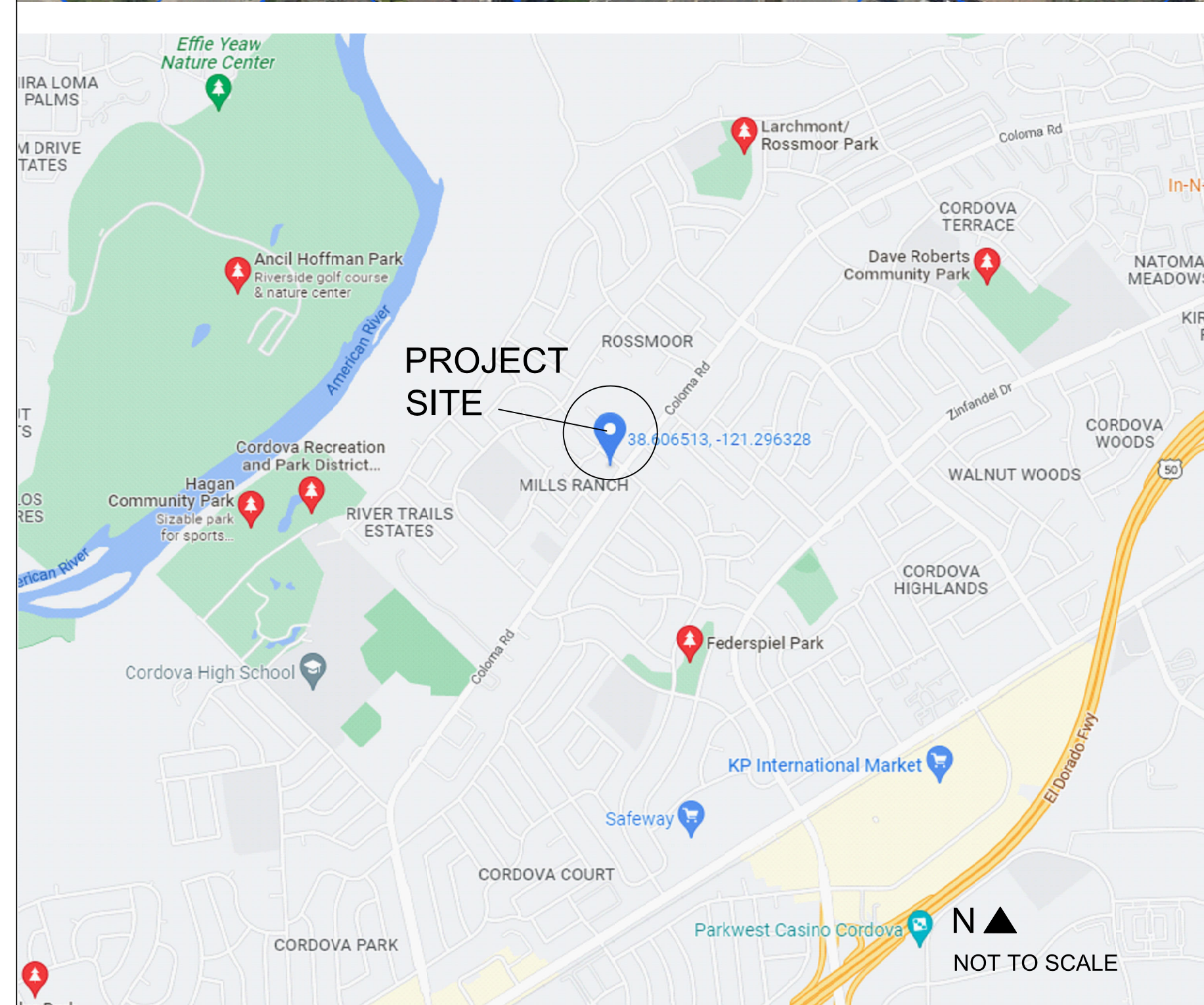
APN: 056-0440-049

DESCRIPTION OF WORK:

This project includes the installation of irrigation on the W.H. Williamson Park site.

GENERAL NOTES:

- See specifications for additional project information and requirements.
- Project specifications are an integral part of these drawings. Upon submittal of a bid price by the contractor, it is recognized that the contractor has received a copy of the specifications and the contractor agrees to abide by the requirements and conditions contained therein.
- The contractor shall examine the site, compare it with the plans and specifications, carefully examine all of the contract documents, and satisfy himself as to the conditions under which the work is to be performed before entering into the contract. No allowance shall subsequently be made on behalf of the contractor on account of an error on his part and/or his negligence and/or failure to acquaint himself with the conditions of the site.
- The locations of existing utilities on these plans are approximate. The Park District assumes no liability for the accuracy or completeness of the existing facilities shown here or for the existence of other underground utilities or objects which may be discovered but are not shown on these plans. The contractor shall determine the exact location of any existing utilities before commencing work, and agrees to be fully responsible for any and all damage due to the contractors failure to exactly locate and preserve any and all underground utilities. Call "Underground Service Alert" at 1-800-642-2444 or 811 and all applicable utility companies prior to commencing work on this project.
- The contractor shall be financially responsible for the repair of any damage done to existing site features during the course of his work including but not limited to: vegetation, irrigation, sidewalks, curbs, other paving surfaces. Repairs shall be approved by the District.
- The contractor shall perform all clearing and site preparation necessary for the proper execution of all work as indicated in the construction documents.
- All work is to be performed by licensed contractors and experienced workers.
- The contractor is responsible for providing, erecting, and maintaining the required materials, equipment, and labor necessary for public safety and traffic control within the project limits and on the approach to the work.
- All construction areas shall be protected for public safety in accordance with public safety laws codes and governing regulations.
- If any archeological, cultural, or historical resources, artifacts or other features are discovered during the course of construction anywhere on the project site, the contractor shall notify the Park District immediately and work shall be suspended in that location until a qualified professional archeologist assesses the significance of the discovery.
- The contractor is responsible for performing all work indicated in these plans and specifications. Any item indicated in these plans but not itemized in the bid schedule will be included under a bid schedule item to which it most pertains.
- The contractor agrees that in accordance with generally accepted construction practices, contractor shall be required to assume sole and complete responsibility for job site conditions during the course of construction including the safety of all persons and property and that this requirement shall be made to apply continuously and not be limited to normal working hours.
- Contact Cordova Recreation & Park District Inspector at least 48 hours prior to scheduling an inspection: (916) 769-9776.



BUILDING DATA

BUILDING AUTHORITY: City of Rancho Cordova
 OCCUPANCY GROUP: U-ASSEMBLY

ALL WORK SHALL COMPLY WITH THE FOLLOWING:

- CITY OF RANCHO CORDOVA BUILDING DEPARTMENT
- 2019 CALIFORNIA BUILDING CODE

ZONING DATA

ZONING: PARKS AND OPEN SPACE
 AREA OF SITE: <1 ACRE

SIGNATURES

Cristina James

CRISTINA JAMES, LANDSCAPE ARCHITECT

OWNER AND DESIGNER ADDRESS AND PHONE:
 CORDOVA RECREATION & PARK DISTRICT
 2729 PROSPECT PARK DRIVE STE. 230
 RANCHO CORDOVA, CALIFORNIA 95670
 (916) 842-3312

ABBREVIATIONS

NOTE: Clarify with Designer all abbreviations not listed.

LEGEND

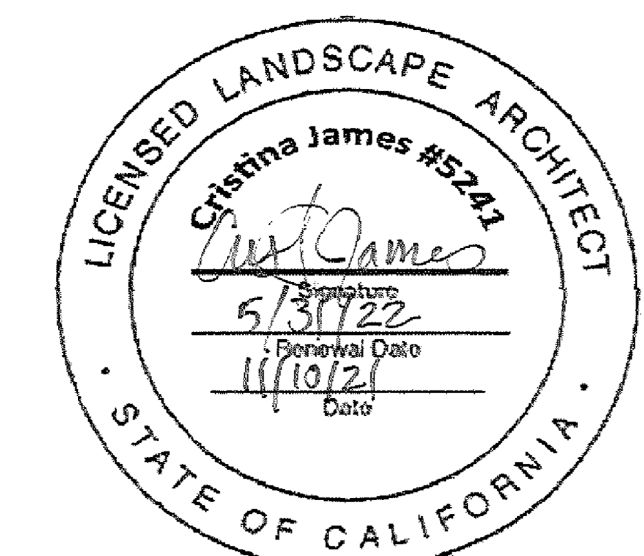
- AC ASPHALT
- TBW TOP BACK OF WALK
- TBC TOP BACK OF CURB
- FL FLOW LINE
- LIP LIP OF GUTTER
- SLB STREET LIGHT BOX
- FH FIRE HYDRANT
- SPOT ELEVATION
- FOUND 3/4" PIPE WITH PLUG
- STREET LIGHT
- WATER VALVE
- EXISTING GAS MARKS
- CONTROL POINT
- DIMENSION POINTS
- JOINT POLE
- ANCHOR
- CONCRETE
- FENCE LINE
- EAVE

LEVEL LEGEND

- AC ASPHALT
- BOR-BDR BORDER
- CHNLK CHAIN LINK
- CONC CONCRETE
- CONTOUR-MA MAJOR CONTOUR
- CONTOUR-MINOR MINOR CONTOUR
- CONTOUR-TEXT CONTOUR TEXT
- CP CONTROL POINT
- ELEC ELECTRIC
- EP EDGE OF PAVEMENT
- FENCE EXISTING FENCE
- FH FIRE HYDRANT
- FOUND MONUMENT FOUND MONUMENT
- GAS GAS
- HDCP HANDICAP
- IRRG IRRIGATION CONTROL
- LEGEND MAP LEGEND
- MAP-APN ASSESSOR PARCEL NUMBER
- MAP-LOT LINE LOT LINE
- MAP-PU-EASEMENT PUBLIC UTILITY EASEMENT
- MAP-ROW LINE RIGHT OF WAY LINE
- MOWST MOWSTRIP
- NOTES MAP NOTES
- SIGN SIGN
- FED PEDESTAL CABINET
- SDDI STORM DRAIN INLET
- SDMH STORM DRAIN MANHOLE
- SSMH SANITARY SEWER MANHOLE
- SSCO SANITARY SEWER CLEANOUT
- EXISTING SLOPE
- SPOT ELEVATION
- ST-CNTRLN STREET CENTERLINE
- ST-GUTTER FLOWLINE STREET GUTTER FLOWLINE
- EXISTING LIGHT
- ST-LIP STREET LIP OF GUTTER
- ST-NAME STREET TEXT
- ST-SCORE SIDEWALK SCORE LINE
- EXISTING STORM DRAIN
- ST-TBC STREET TOP BACK CURB
- ST-TBW STREET TOP BACK OF WALK
- TEXT
- TOE OF SLOPE
- TOP OF SLOPE
- EXISTING TREE
- EXISTING WATER
- WATER
- WMTR WATER METER
- CROSSWALK

SHEET INDEX

- | | |
|----|---------------|
| T1 | COVER |
| L1 | EXISTING |
| L2 | ACCESSIBILITY |
| L3 | LAYOUT |
| L4 | DETAILS |



Plot History

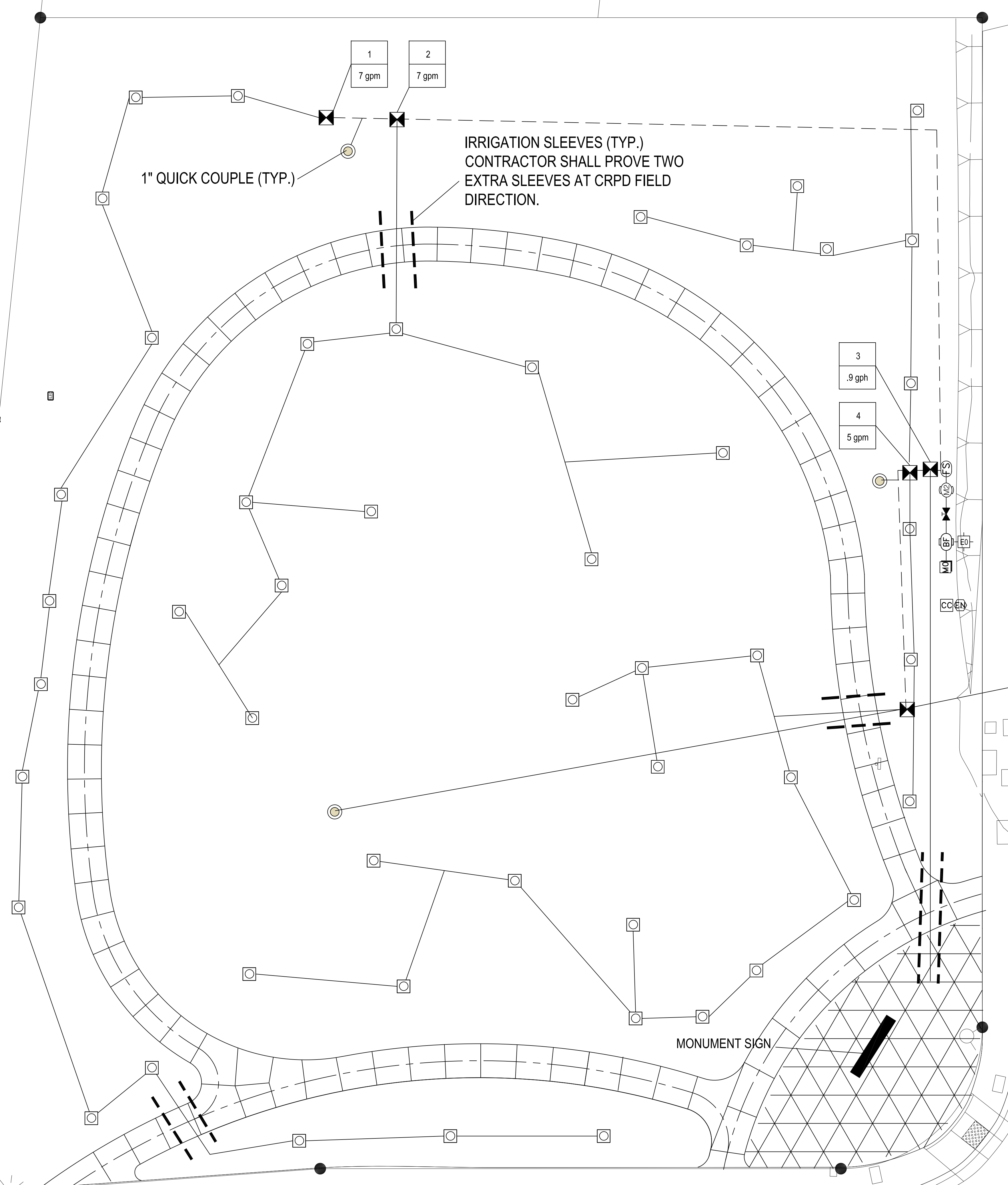
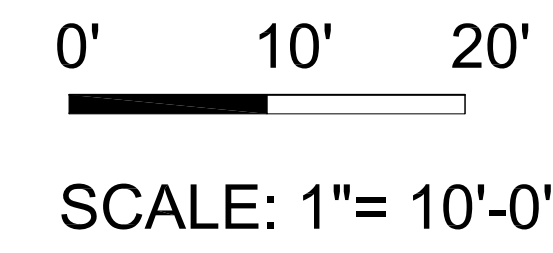
T-1

IRRIGATION NOTES

1. ALL WORK IS TO BE PERFORMED BY A LICENSED CONTRACTOR AND EXPERIENCED WORKERS.
2. THE CONTRACTOR SHALL NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND PLANS PRIOR TO PROCEEDING WITH WORK. THE WRITTEN DIMENSION SHALL SUPERCEDE THE DRAWN DIMENSION. ALL FIELD ADJUSTMENTS SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
3. SYSTEM DESIGN IS BASED ON PSI AND GPM AT POINT OF CONNECTION. CONTRACTOR SHALL VERIFY AND NOTIFY CRPD IF SUCH DATA ADVERSELY AFFECTS THE SYSTEM. NOTICE SHALL BE IN WRITING PRIOR TO THE START OF IRRIGATION WORK.
4. CONTRACTOR SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES WITH 811. RESTORATION OF DAMAGED SITE UTILITIES OR OTHER EXISTING FEATURES SHALL BE MADE AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE OWNER.
5. SYSTEM FEATURES ARE SHOWN SCHEMATICALLY. INSTALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE.
6. CONTRACTOR SHALL ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN AT NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVES SHALL EXTEND 1'-0" FROM EDGE OF PAVEMENT INTO LAWN AND HAVE ENDS CLEARLY MARKED ABOVE GRADE.
7. QUICK COUPLING VALVES SHALL BE INSTALLED ON TRIPLE SWING JOINT. LOCATE 12" AWAY FROM EDGE OF WALK, WALLS, AND CURBS. PROVIDE OWNER WITH ONE OPERATING KEY, TWO SETS OF LOCKING KEYS, AND ONE SWIVEL HOSE ELL.
8. CONTRACTOR SHALL COORDINATE WITH RAIN BIRD REP. TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO INSTALLATION OF IRRIGATION POINT OF CONNECTION EQUIPMENT. CONTACT NOE CRUZ (916) 765-0939 FOR RAINBIRD.
9. CONTRACTOR SHALL PROVIDE SCH 40 IRRIGATION PIPE SLEEVES UNDER ALL PAVEMENT CROSSINGS. DIAMETER SHALL BE 2X IRRIGATION PIPE.
10. CONTRACTOR SHALL RUN 5 ADDITIONAL WIRES TO EACH VALVE BOX.
11. EXISTING TREES ARE TO BE PROTECTED. CONTRACTOR SHALL NOT TRENCH UNDER CANOPIES OF EXISTING TREES.

IRRIGATION SCHEDULE

- MASTER VALVE AND FLOW SENSOR: Buckner-Superior 3100.1" normally open brass master valve that provides dirty water protection. Flow sensor to be Flomec QS200-30 to eliminate the bypass.
- GATE VALVE: NIBCO T-113, install in valve box.
- BACK FLOW AND ENCLOSURE: Shall be Wilkins with Steel Enclosure and Blanket.
- WATER METER: 2" meter to be installed by Golden State Water Company
- CONTROLLER: Controller Model# A ICA2-RB3-8/SLR 1-3P/IQ-GPRS/IFS-100B/3200-100 Rainbird 8-station ESP-LXME2P controller with Flow Smart Module, cellular communication to connect to CRPD central control system for weather based scheduling and data collection. ITS assembly includes controller, IQ GPRS/Cellular cartridge to be set up with Verizon Service, external antenna, VIT strong box top-entry stainless steel enclosure SBD-18SS with mounting pad and solar panel on 3" pole. Controller assembly with single solar panel mounted on a 4" x 15' galvanized pole. Install controller assembly with the mounting pad and flow sensors per details and manufacturer's specifications. CONTROLLER MUST BE GROUNDED PER DETAILS AND SPECIFICATIONS. Program the controller to alarm and shut down system (close master valve) when maximum flow noted on the POC note for system is exceeded. It is the responsibility of the contractor to contact Imperial Technical Services to schedule a Pre-construction Meeting prior to the controller installation and again for Installation Certification once installed. Contact Andrew Bolt 209-404-1746 or Mike Valentine 925-518-5803
- Tree Bubbler: Rainbird rws-b-c 1401 20 root watering system, 4" diameter x 36" long with locking grate and check valve with filter fabric sock. 0.25 gpm, 2 per symbol.
- REMOTE CONTROL VALVE: Electric control valve, Model # PEB-PRSD, electric control valve with adjustable pressure regulation, with Sch. 80 PVC ball valve by Rainbird or equal. Size per plans. All valves shall have Christy ID tags in valve boxes.
- RAINBIRD XFS DRIP: 12" spacing, copper shield technology, .9 gph
- Mainline Pipe. Schedule 40 PVC for pipe through 2", class 315 for pipe sizes 21 2" and greater. Size: 6", except where noted otherwise on plans. Thrust blocks required for pipe size of 3" and larger. Install all pipe in strict accordance with details and the manufacturer's specifications.
- Lateral Line Pipe. Schedule 40, solvent weld PVC. Size Per Plans.
- QUICK COUPLE

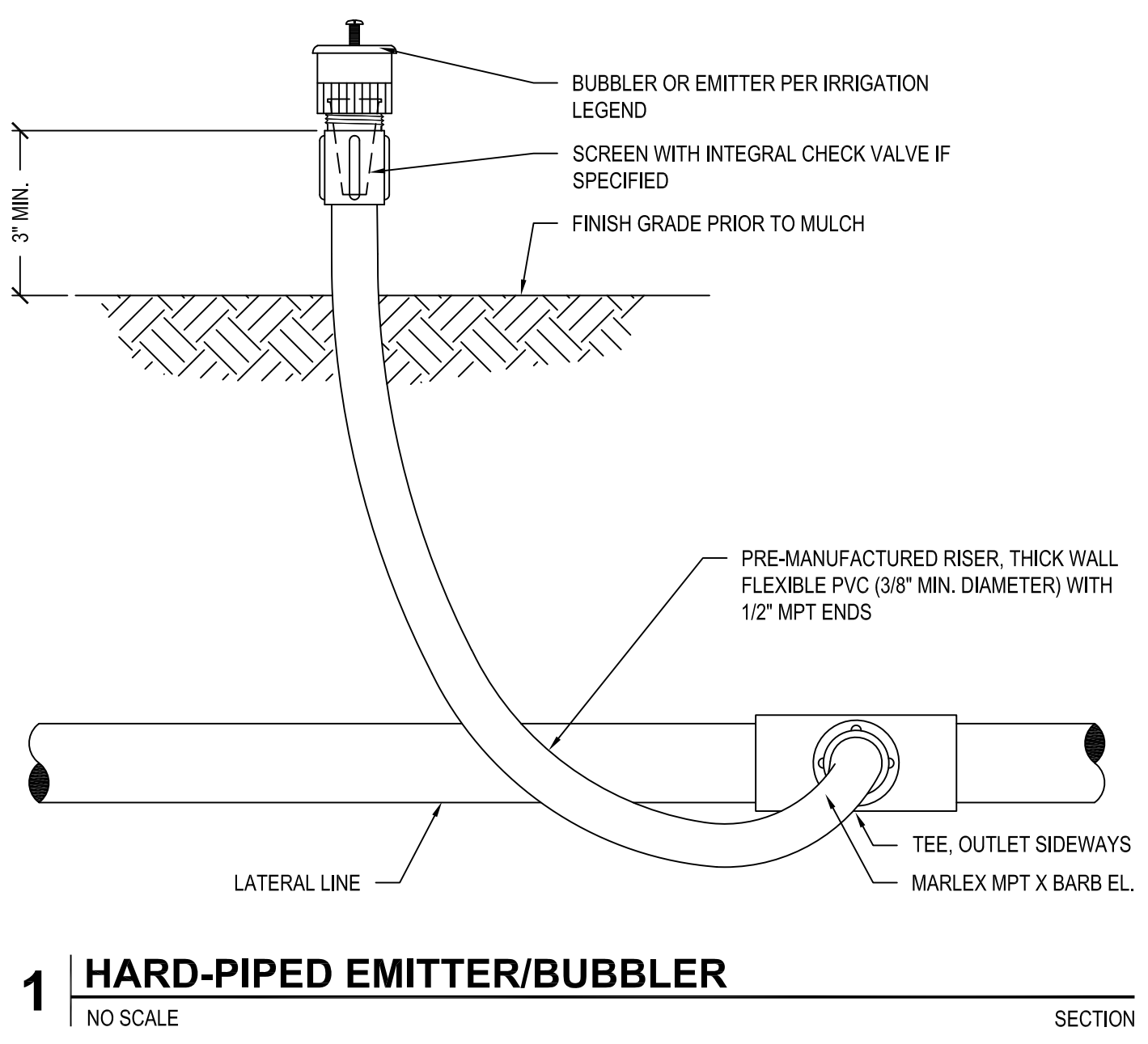
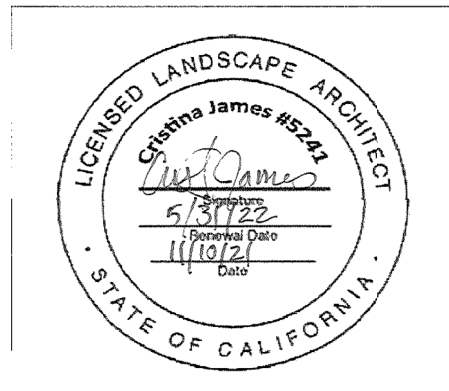


IRRIGATION SLEEVES (TYP.)
CONTRACTOR SHALL PROVE TWO
EXTRA SLEEVES AT CRPD FIELD
DIRECTION.

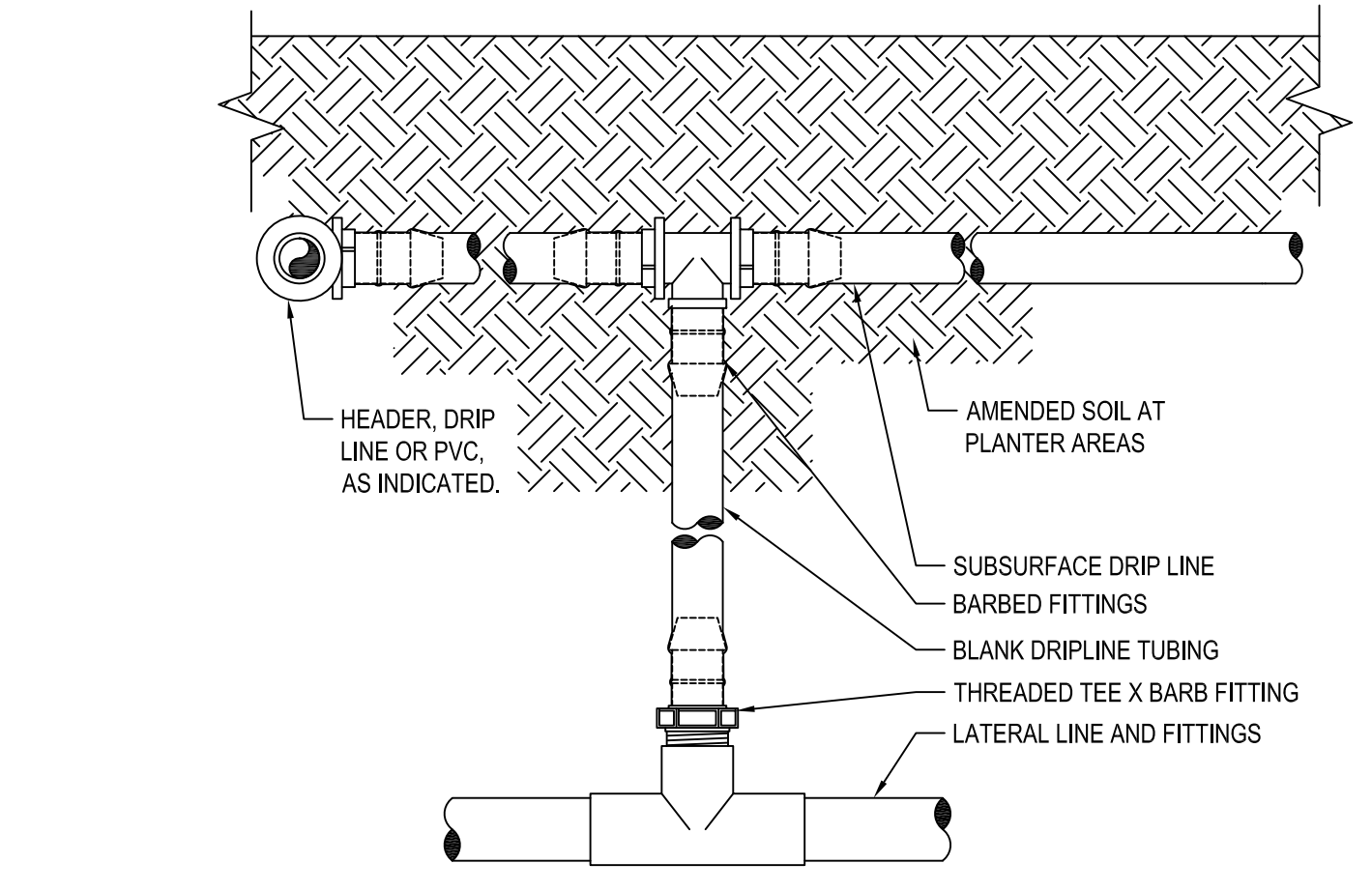
1" QUICK COUPLE (TYP.)

MONUMENT SIGN

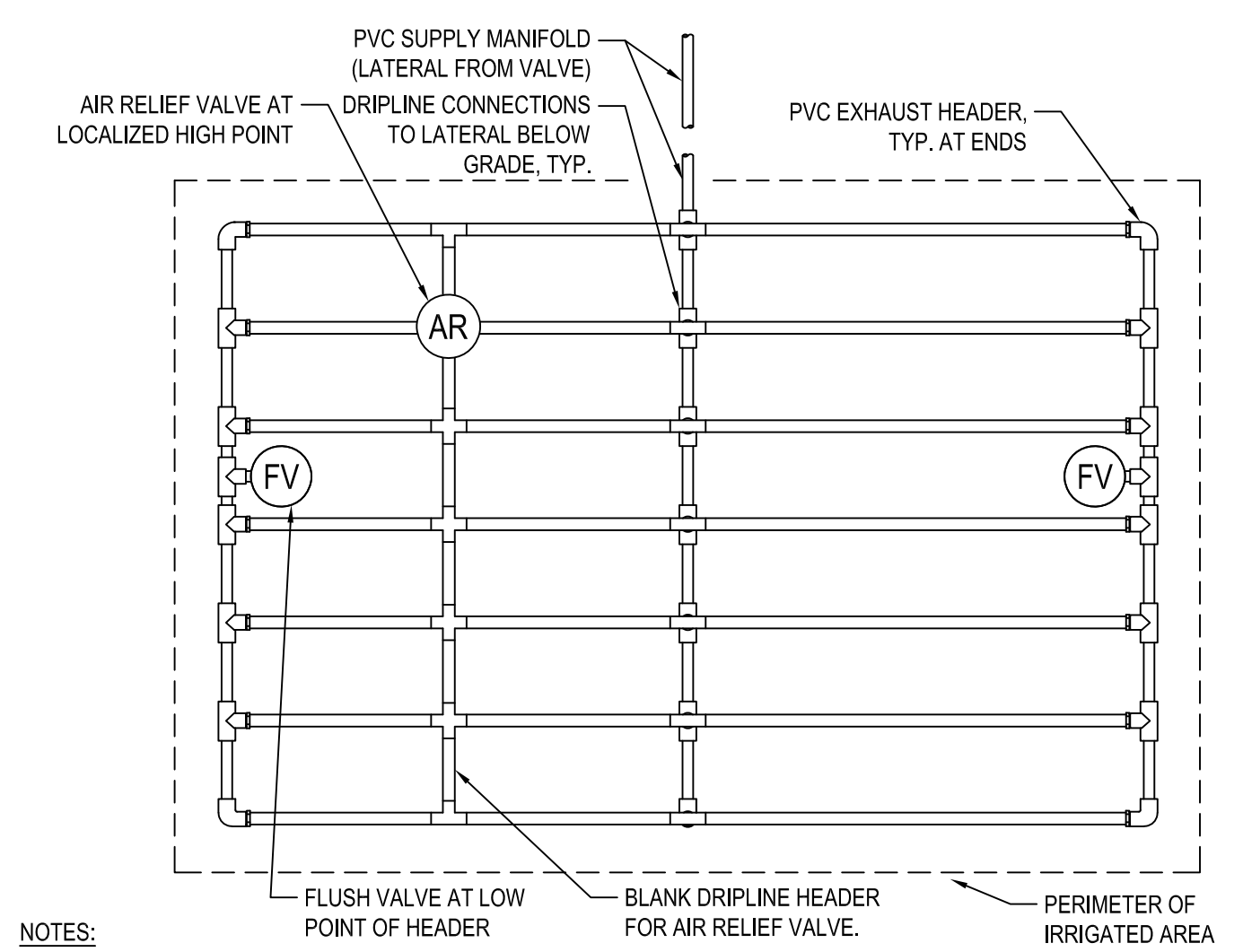
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SCALE:	NTS
DRAWN BY:	C.L.J.
STAMP:	



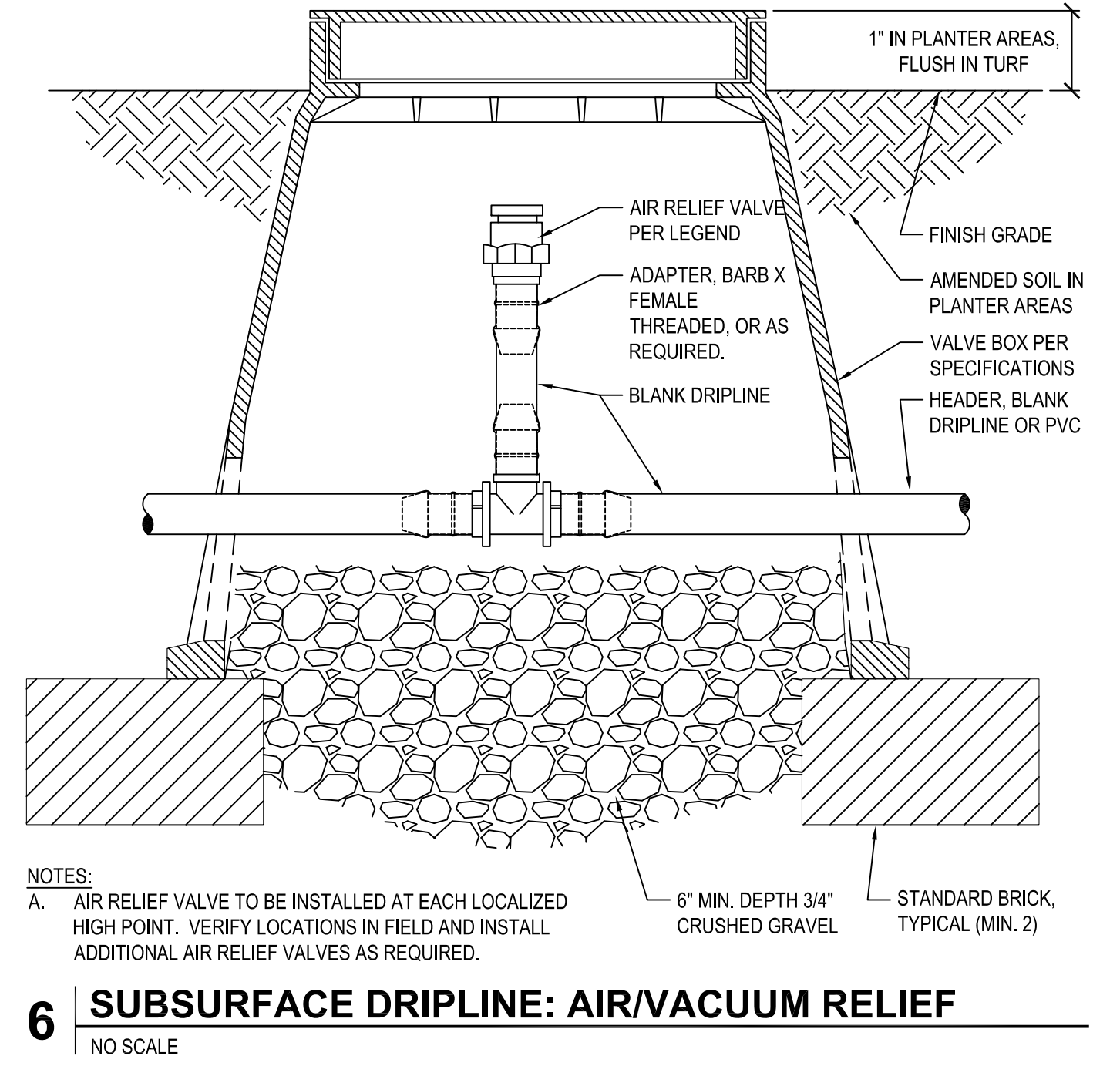
1 HARD-PIPED EMITTER/BUBBLER
NO SCALE SECTION



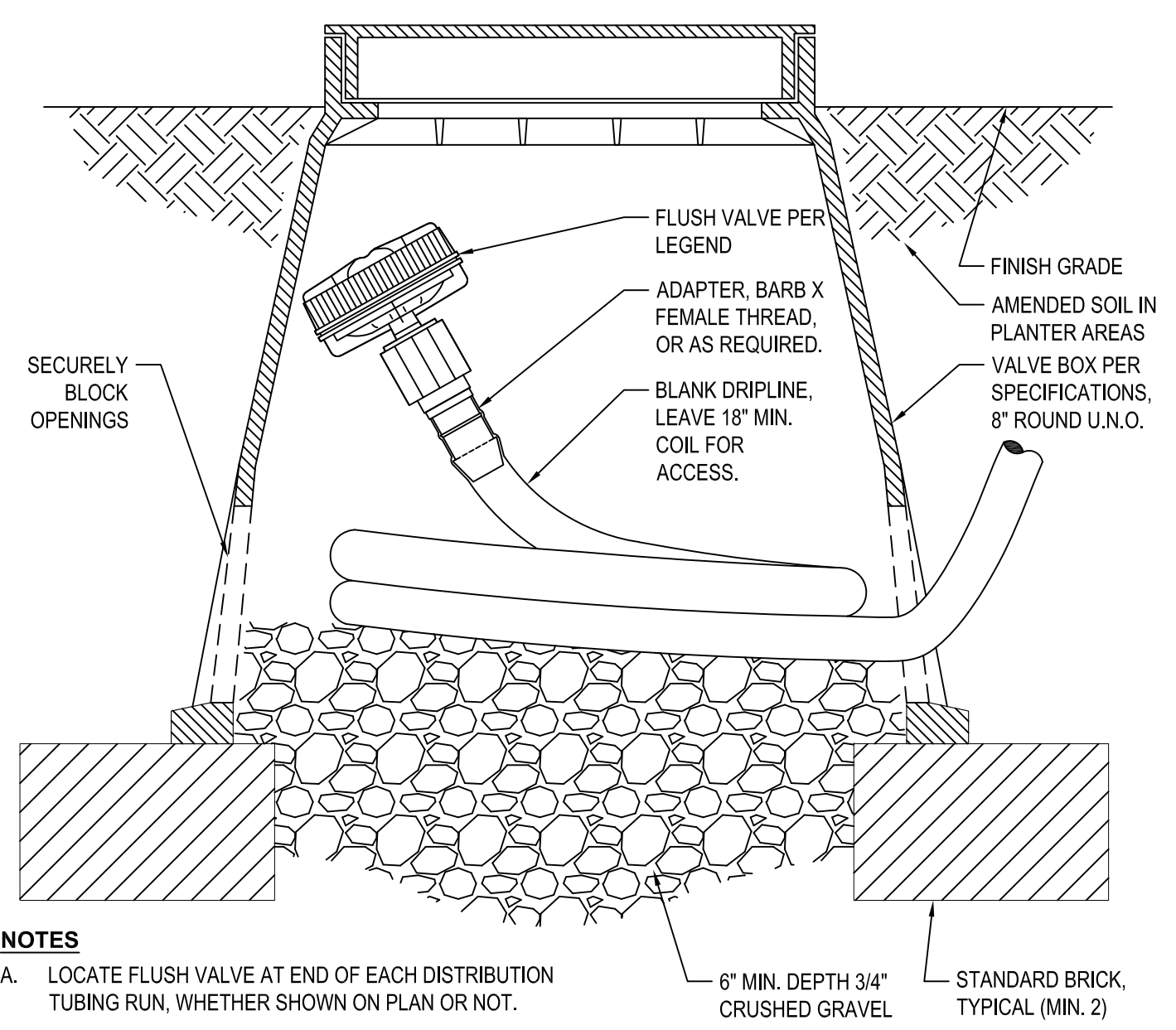
2 SUBSURFACE DRIP: LATERAL CONNECTION
NO SCALE



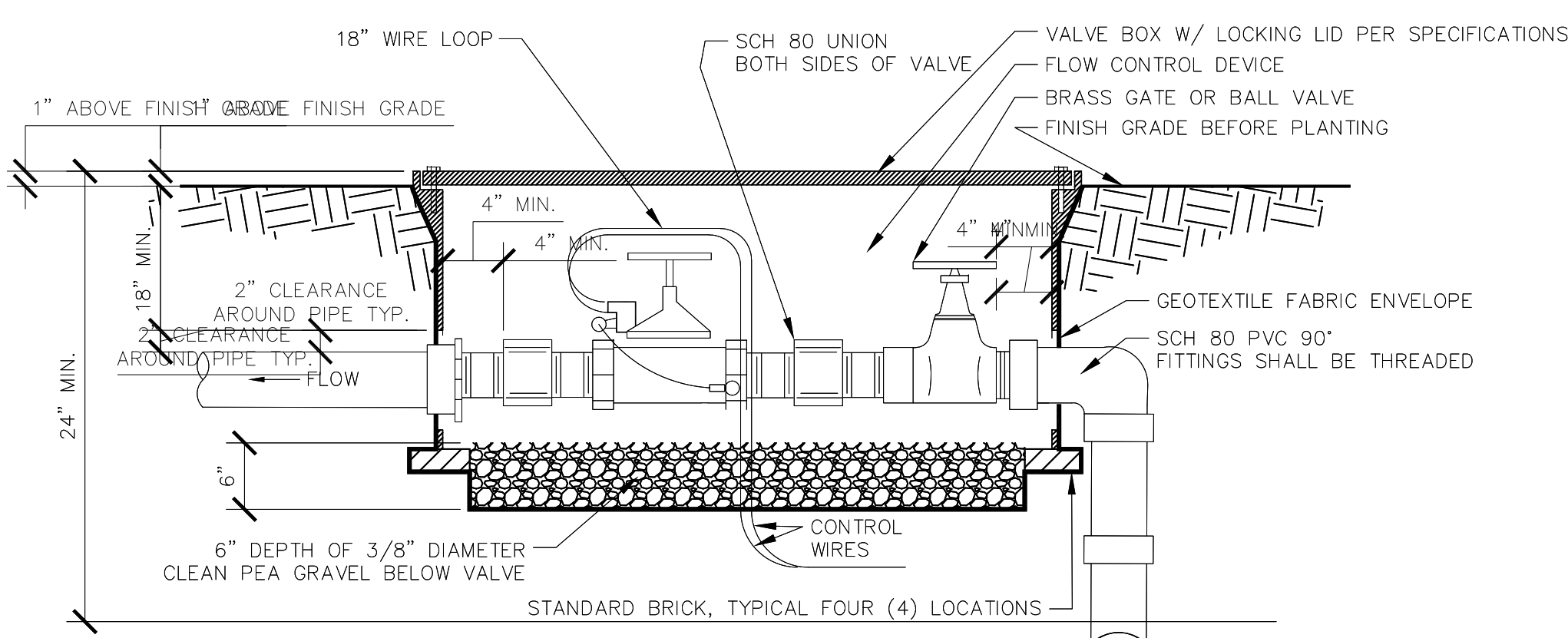
1 SUBSURFACE DRIPLINE: CENTER FEED
NO SCALE



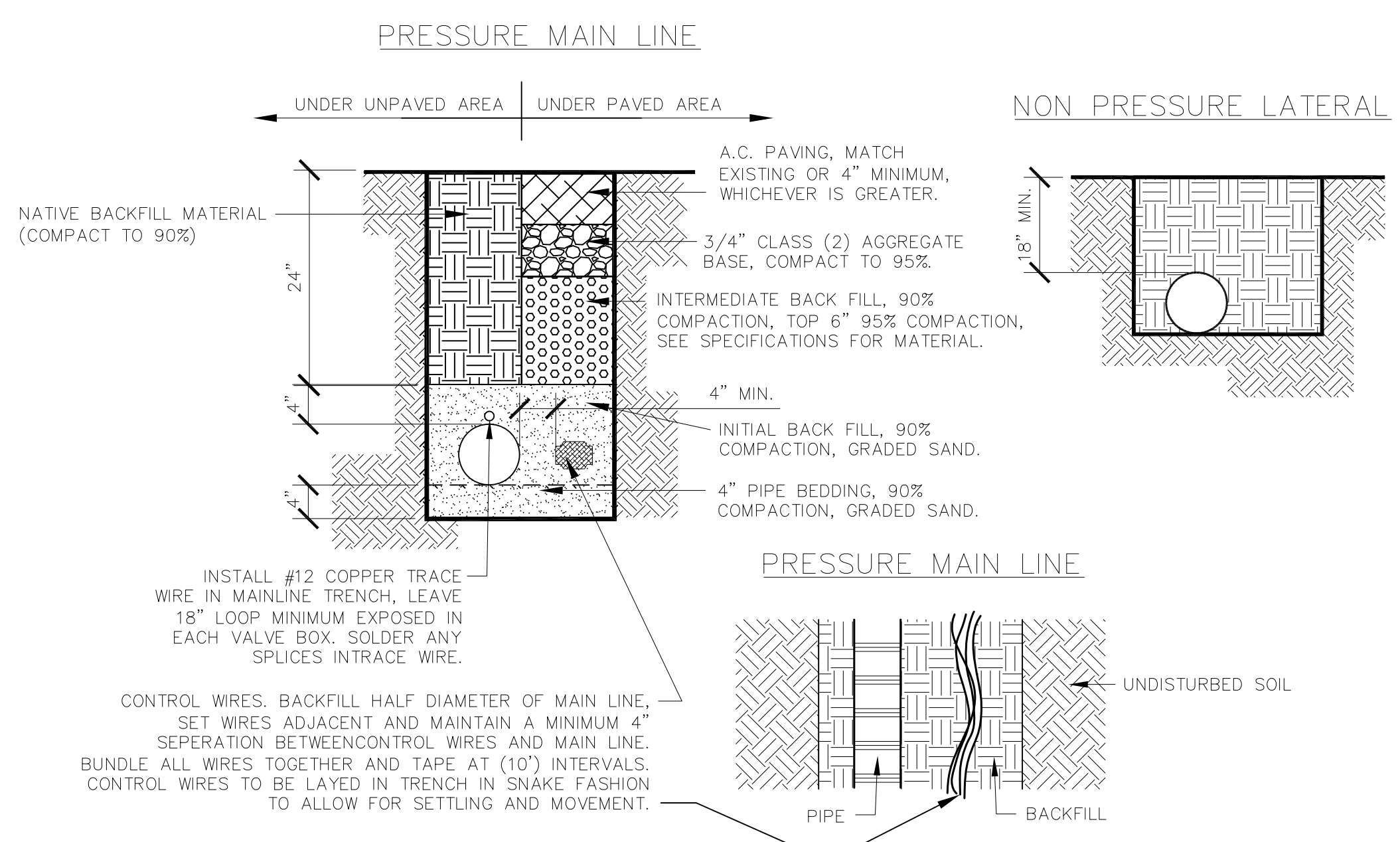
6 SUBSURFACE DRIPLINE: AIR/VACUUM RELIEF
NO SCALE



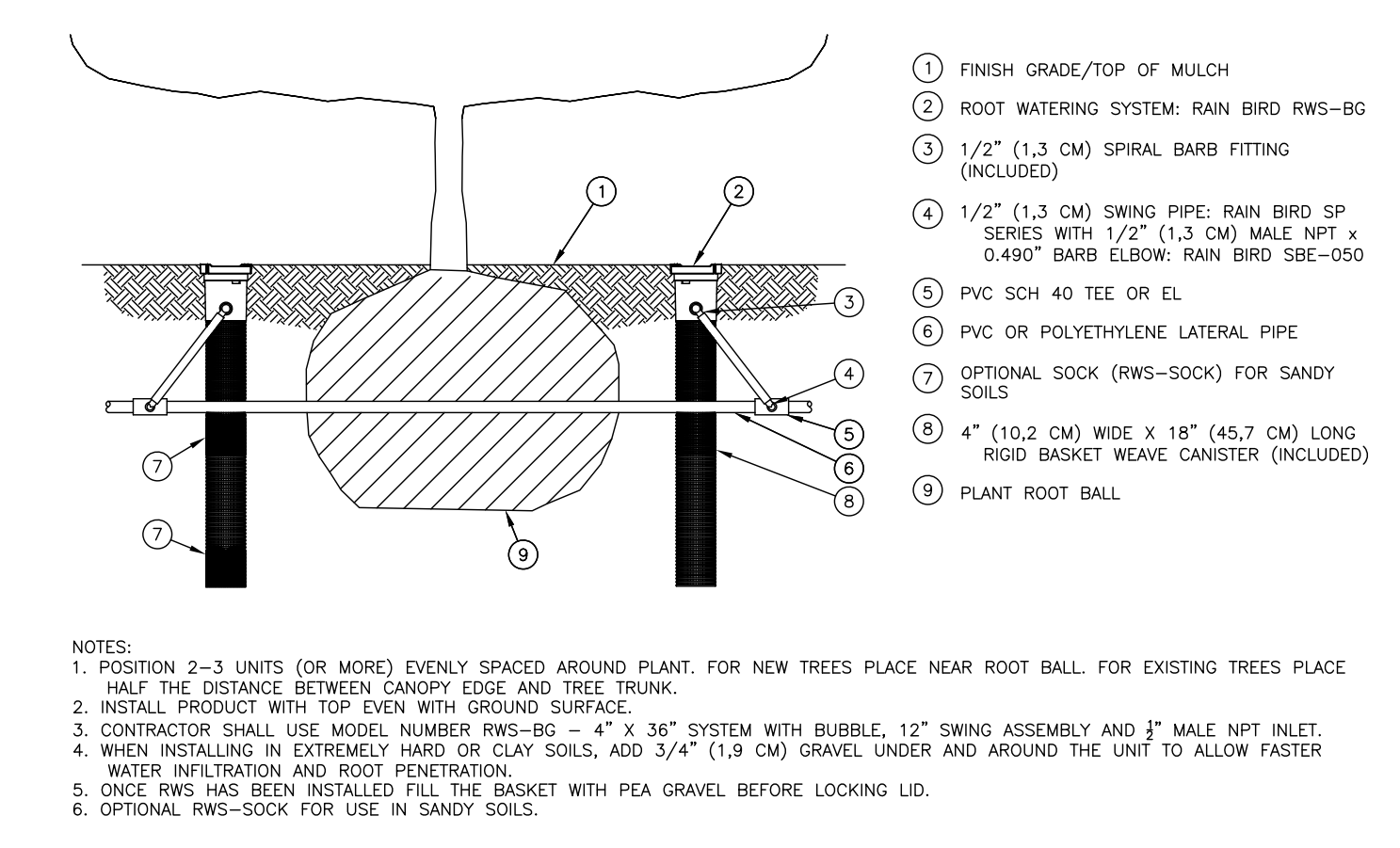
5 DRIPLINE: FLUSH VALVE
NO SCALE



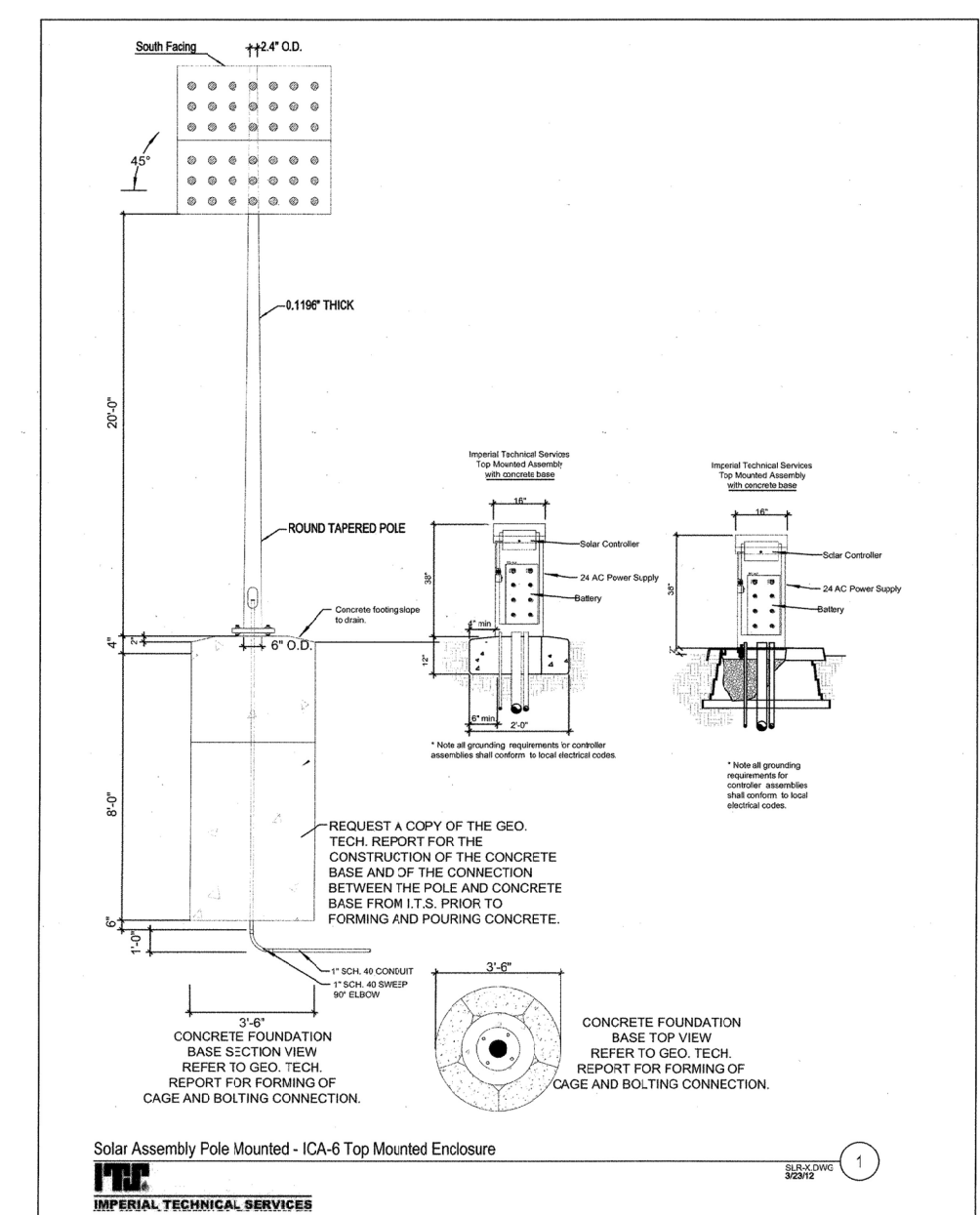
REMOTE CONTROL VALVE AT GRADE (PK-15)
NOT TO SCALE



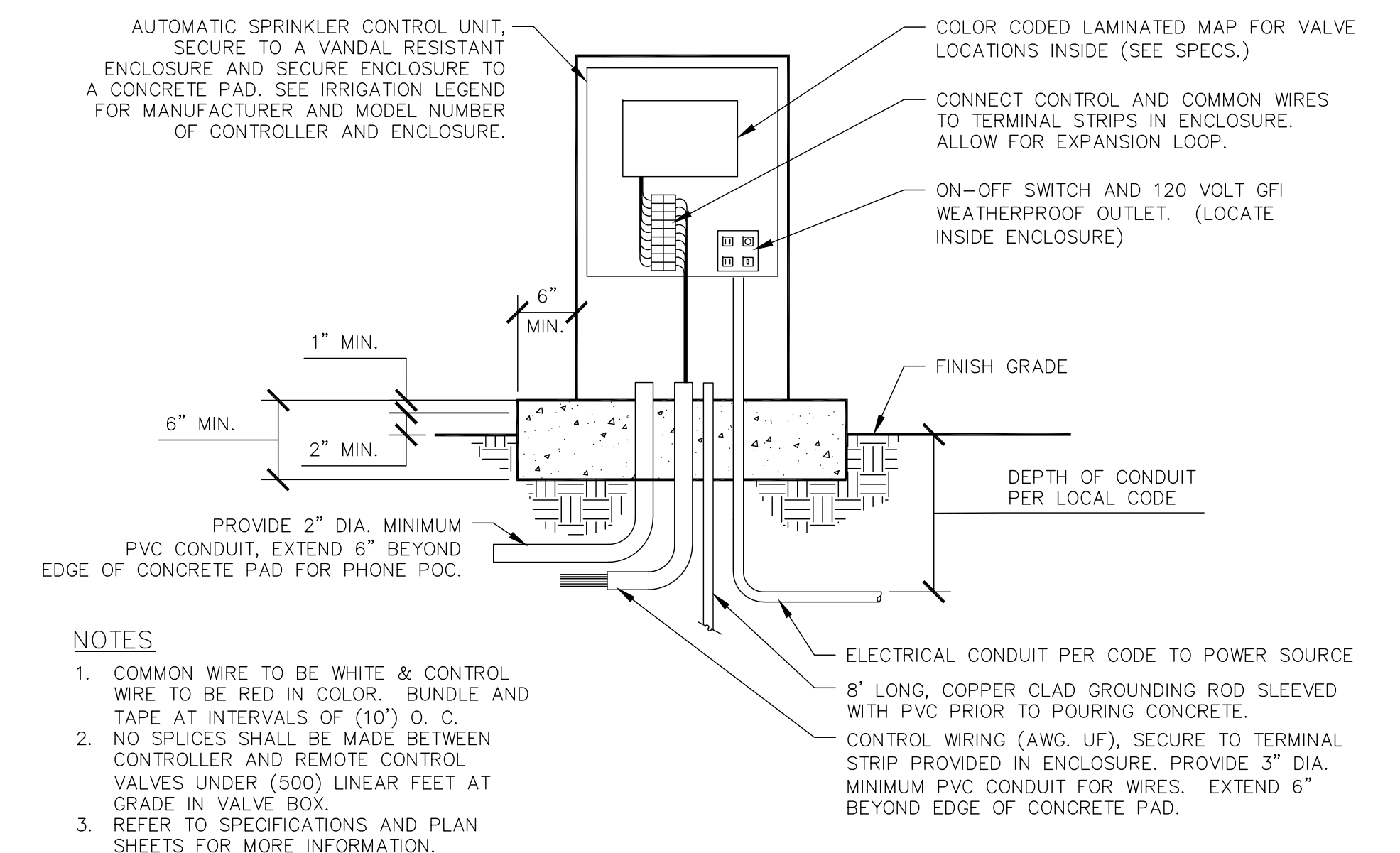
IRRIGATION TRENCHING
CORDOVA RECREATION AND PARK DISTRICT
SCALE: NO SCALE PLAN



8 TREE BUBBLER
CORDOVA RECREATION AND PARK DISTRICT
SCALE: NO SCALE PLAN



Solar Assembly Pole Mounted - ICA-6 Top Mounted Enclosure
IMPERIAL TECHNICAL SERVICES



CONTROLLER
CORDOVA RECREATION AND PARK DISTRICT
SCALE: NO SCALE PLAN