

**STAFF REPORT**

**DATE:** April 18, 2023  
**TO:** City Council  
**FROM:** Dianna Jensen, Director of Public Works - Engineering & Transportation/  
City Engineer  
Kevin Fong, Principal Civil Engineer  
**SUBJECT:** Contract Award for Davis Community Park Pump Track and Categorical Exemption per CEQA guidelines, CIP No. ET8311

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**Recommendation**

Approve the attached resolution that:

1. Awards the construction contract for the Davis Community Park Pump Track, CIP No. ET8311 to F. Loduca Company of Stockton, California, in the amount of \$392,622; and
2. Authorizes a 10% construction contingency of \$40,000; and
3. Authorizes the City Manager to sign the construction contract on behalf of the City.
4. Authorizes the City Manager to approve an additional \$40,000 (10%) for construction contingency if deemed necessary, and funding is available; and
5. Finds that the Davis Community Park Pump Track Project is exempt from review pursuant to State CEQA Regulation Guidelines Section §15332 (14 Cal. Code Regs. § 15332) In-Fill Development Projects; and
6. Directs staff to file a Notice of Exemption pursuant to CEQA Guidelines Section 15332; and
7. Authorizes the allocation of \$4,319 towards the municipal arts fund; and
8. Approves the memorandum of understanding (MOU) with the Davis Bike Park Alliance (DBPA).

**Fiscal Impact**

The total estimated project cost is \$645,000 (Table 1). Design costs were incurred during 2018/ 2019 fiscal year and was paid for using Park Impact Fees. The remaining \$600,000 required to complete construction of the Davis Community Park Pump Track would be funded with ARP Revenue Replacement funds.

**Table 1. Total Estimated Project Cost**

<b>Description</b>	<b>Amount</b>
Design <sup>1</sup>	\$45,000
Construction Award	\$392,622
Construction Contingency	\$40,000
Construction Management and Inspection	\$104,159
Additional 10% Construction Contingency	\$40,000
Municipal Arts Fund (1.1%)	\$4,319

Materials Testing	\$15,000
Project Closeout	\$3,900
<b>Total Estimated Project Cost</b>	<b>\$645,000</b>

<sup>1</sup> Prior fiscal year expense

**Table 2. Total Budget**

Fund Description	Prior FY	Current FY	Total
Park Impact Fees (483)	\$45,000	\$0	\$45,000
ARP Revenue Replacement Funds	\$0	\$600,000	\$600,000
<b>Total</b>	<b>\$45,000</b>	<b>\$600,000</b>	<b>\$645,000</b>

**Council Goal(s)**

While this project does not address a specific task, it does support the City Council’s Goal to Enhance a Vibrant Downtown and Thriving Neighborhoods.

**Commission Input**

Awarding construction contracts is a standard procedure where the City Council provides authority to award. During the design process, the Davis Community Pump Track project was brought to the Recreation and Parks Commission on September 19, 2018, and March 20, 2019 for input on the improvement plans.

**Environmental**

The City of Davis evaluated the potential environmental impacts for the project and prepared a notice of Categorical Exemption (CE), pursuant to CEQA requirements.

The project meets the criteria of Section 15332 for the following reasons:

1. The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with the applicable zoning designation and regulations; and
2. The project site is located in City limits on a property that is less than 5 acres; and
3. The project site is a vacant former mill site that does not contain habitat for rare, threatened, or endangered species; and
4. The project proposes a small bike park that does not have the potential for significant impacts related to traffic, noise, air quality, or water quality; and
5. The site can be served by all required utilities and public services.

A Notice of Exemption will be filed by staff pursuant to CEQA Guidelines Section 15332.

**Background and Analysis**

The Davis Bike Park Alliance (DBPA) approached staff late in 2017 in hopes of building a Demonstration Bike Track. The group has met with City staff multiple times to review the Project Plan and to learn more about their bigger vision of creating a larger park as outlined in the Bicycle Action Plan as included in the City of Davis Beyond Platinum Bicycle Action Plan.

The Davis Bike Park Alliance is a non-profit 501(c)3 organization comprised of enthusiastic cyclists and recreationists working together with other trail users and land managers to create, maintain, and preserve natural surface cycling trails. Members of the DBPA include professionals within the local bicycle industry, engineers, and other members of the local Davis community with rich experience riding and building similar projects.

On December 5, 2017, Council selected Community Park as the site location for the Bike Pump Track project. On March 1, 2018, staff noticed a request for proposals to firms for the design portion of the bike pump track at Community Park. On March 14, 2018, Stantec, Inc. submitted a proposal totaling \$39,510. No other proposals were received, and Stantec demonstrated expertise and knowledge of bike pump track designs, as well as multiple references, and previous projects completed. On March 22, 2018, the City Manager awarded the design contract to Stantec, Inc.

On March 1, 2019, Stantec submitted 100% design plans, and a cost estimate for City review, and staff would like to provide an opportunity for the Recreation and Parks Commission, and the public to review the 100% design drawings. The project was advertised for bid on June 30, 2019 and bids were opened on July 25, 2019 at 2:00 P.M. Bids received at the July 25, 2019 bid opening were higher than anticipated, and all bids were rejected by at the September 10, 2019 Council meeting. During COVID, the project was defunded in order to preserve existing funding due to the unknown impact of COVID 19, and would be re-bid once the project was allocated funding.

Maintenance of the bike pump track would be a combination of effort with the City staff, and the DBPA. The responsibilities for both the City, and DBPA are listed in the MOU, and annual meetings would be required in order to address any issues or concerns. The MOU automatically renews on an annual basis unless terminated, and the DBPA would primarily be responsible for maintaining the pump track area. Staff worked with the DBPA on finalizing MOU after the project was defunded in order to have the MOU ready for approval once the project received funding, and was awarded for construction. The City Attorney, and risk management also reviewed, and approved the MOU.

As part of the utilization of Revenue Replacement funds, the Davis Community Park Pump Track was allocated \$600,000 for FY 22/23, and the project was noticed for bids on February 17, 2023. The following bids were received at the March 16, 2023 bid opening:

**Table 3. Received Bids**

<b>Bidder</b>	<b>Base Bid</b>
F. Loduca Company	\$392,622.00
Lister Construction, Inc.	\$483,437.05
BRCO Constructors, Inc.	\$558,775.00
<b>Engineer's Estimate</b>	<b>\$400,000</b>

Staff recommends adopting the attached resolution which awards the construction contract to F. Loduca Company in the amount of \$392,622, and 10% construction contingency for the Davis Community Pump Track Project, CIP No. ET8311, utilizing the funding as discussed above in fiscal impact, and enter into a MOU with the DBPA.

**Attachments**

1. Resolution
2. Project Plans
3. MOU

**RESOLUTION NO. 23-XXX, SERIES 2023**

**RESOLUTION AWARDING CONSTRUCTION CONTRACT TO  
F. LODUCA COMPANY FOR THE DAVIS COMMUNITY PARK PUMP TRACK,  
CIP NO. ET8311, AND FINDING PROJECT EXEMPT FROM REVIEW PURSUANT  
TO CEQA GUIDELINES SECTION §15332 IN-FILL DEVELOPMENT PROJECTS  
AND EXECUTING A MEMORANDUM OF UNDERSTANDING  
WITH DAVIS BIKE PARK ALLIANCE**

WHEREAS, the City of Davis did prepare plans, specifications and estimate, and the City of Davis did call for bids for Davis Community Park Pump Track, CIP No. ET8311; and

WHEREAS, City Staff did publicly open and read three submitted bids at 2:00 p.m., on March 16, 2023; and

WHEREAS, it has been determined that the lowest responsible bidder responsive to the plans and specifications is F. Loduca Company, of Stockton, California, whose bid is \$392,622; and

WHEREAS, the April 18, 2023 staff report provides supporting information upon which the declaration and findings set forth in this Resolution are based; and

WHEREAS, City Staff worked with the Davis Bike Park Alliance on a memorandum of understanding to participate in and provide support for routine inspection and maintenance of the Davis Community Park Pump Track; and

WHEREAS, the City Attorney and Risk Management reviewed and approved the memorandum of understanding.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Davis does hereby resolve as follows:

1. The City Council of the City of Davis does hereby award the construction contract for the Davis Community Park Pump Track, CIP No. ET8311 to F. Loduca Company of Stockton, California, in the amount of \$392,622; and
2. The City Manager is authorized to execute the contact; and
3. The sum of \$40,000 is hereby allocated from project funds for contingency purposes; and
4. The sum of \$40,000 is hereby allocated from project funds for additional contingency purposes if needed and approved by the City Manager; and
5. The sum of \$4,319 is hereby allocated from project funds for the municipal arts fund; and

6. Find that the Davis Community Park Pump Track Project is exempt from review pursuant to State CEQA Regulation Guidelines Section §15332 (14 Cal. Code Regs. § 15332) In-Fill Development Projects; and
7. Direct staff to file a Notice of Exemption pursuant to CEQA Guidelines Section 15332; and
8. Authorizes the City Manager to enter into a memorandum of understanding with the Davis Bike Park Alliance to participate in and provide support for routine inspection and maintenance of the Davis Community Park Pump Track; and
9. All terms, conditions and covenants of said contract be and the same are hereby approved, ratified, and confirmed.

PASSED AND ADOPTED by the City Council of the City of Davis on this 18th day of April, 2023, by the following vote:

AYES:

NOES:

Will Arnold  
Mayor

ATTEST:

Zoe S. Mirabile, CMC  
City Clerk

# IMPROVEMENT PLANS FOR DAVIS COMMUNITY PARK PUMP TRACK

1405 F STREET  
DAVIS, CA 95616  
CITY OF DAVIS

## PROJECT INFORMATION

DATE: March 1, 2019  
PROJECT APPLICANT: CITY OF DAVIS  
PROJECT ADDRESS: 1405 F STREET  
DAVIS, CA 95616  
TOTAL LANDSCAPE AREA: 20,550 S.F.  
PROJECT TYPE: PARK RENOVATION  
WATER SUPPLY TYPE: POTABLE  
CITY OF DAVIS  
CHECKLIST OF ALL DOCUMENTS IN LANDSCAPE DOCUMENTATION PACKAGE:  
HYDROZONE INFORMATION TABLE (L1.1)  
WATER BUDGET CALCULATIONS (MAWA & ETWA) (L1.1)  
SOIL MANAGEMENT REPORT (SEE GEOTECHNICAL REPORT)  
LANDSCAPE LAYOUT PLAN (LX.X)  
LANDSCAPE DESIGN PLAN (L2.0)  
IRRIGATION PLAN (L1.0 THRU L1.1)

PROJECT CONTACTS:  
APPLICANT/OWNER: CITY OF DAVIS

"I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE CITY OF DAVIS'S WATER EFFICIENT LANDSCAPE REQUIREMENTS AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE."

*Paul A. Marcillac* 02/06/2019  
APPLICANT NAME DATE

## GENERAL NOTES

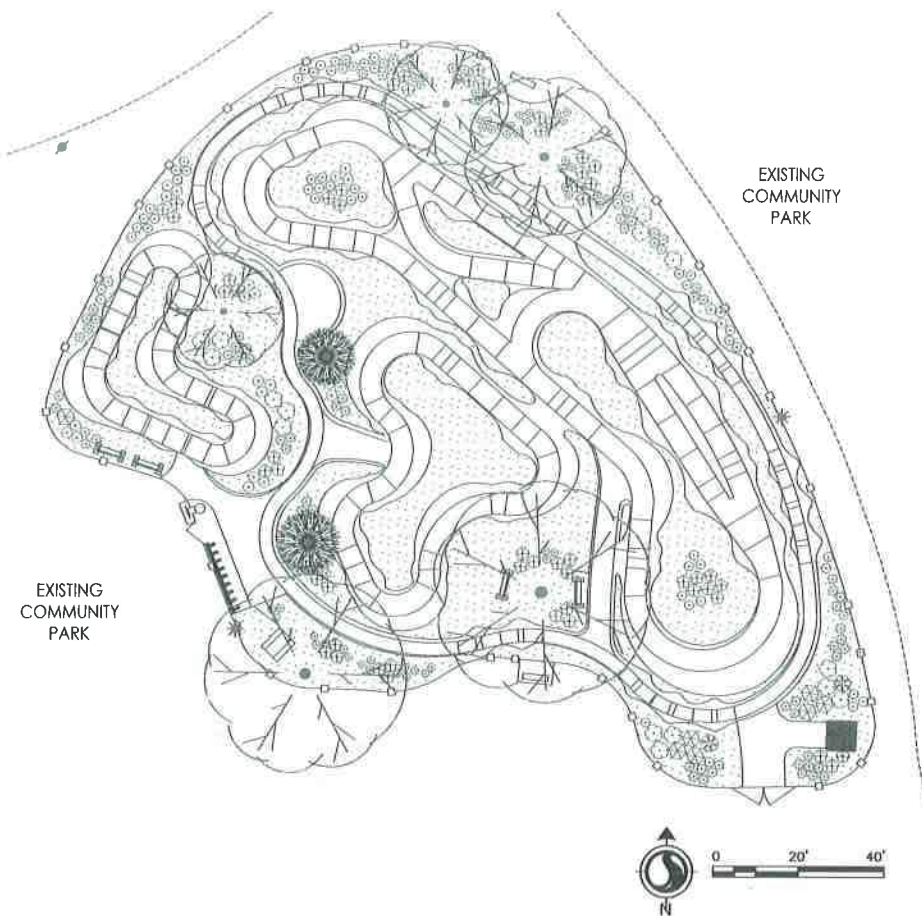
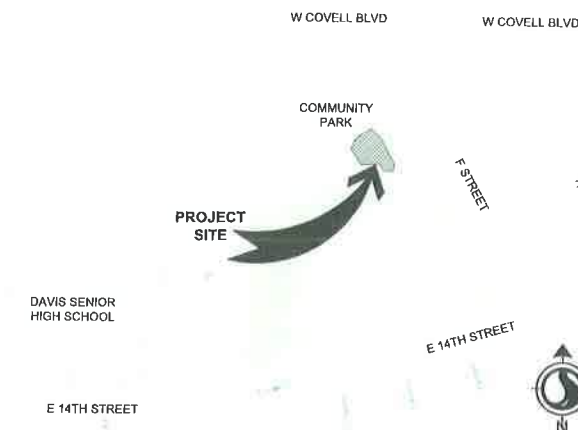
- ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF DAVIS STANDARDS.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND TO PROVIDE FOR THE PROPER AND SAFE ROUTING OF THE VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE USE OF FLAGMEN, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE CURRENT EDITION OF WORK AREA AND TRAFFIC CONTROL HANDBOOK (W.A.T.C.H.).
- LOCATION OF UNDERGROUND FACILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR THE PROTECTION OF AND REPAIR OR DAMAGE TO THEM. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-642-2444) TWO (2) WORKING DAYS BEFORE WORK IS TO BEGIN.
- TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED ALONG PROJECT LIMITS. SEE SPECIFICATIONS FOR DETAILS.
- CONTRACTOR IS RESPONSIBLE FOR VISITING AND UNDERSTANDING SITE CONDITIONS AND LANDSCAPE IMPROVEMENT PLANS.
- CONTRACTOR IS RESPONSIBLE TO COMPLY WITH THE EROSION CONTROL NOTES.

## MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWEL0) COMPLIANCE STATEMENT

I HAVE COMPLIED WITH THE CRITERIA OF THE CALIFORNIA MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM FOR EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.

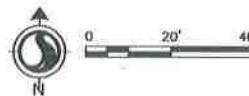
*Paul A. Marcillac* 02/06/2019  
PAUL A. MARCILLAC, PLA 4095 DATE

## VICINITY MAP



## SHEET INDEX

SHEET	DRAWING	TITLE
<b>GENERAL:</b>		
1	G0.0	COVER SHEET
<b>CIVIL:</b>		
2	C0.0	GENERAL NOTES
3	C1.0	EROSION CONTROL & DEMOLITION PLAN
4	C2.0	SITE LAYOUT PLAN
5	C3.0	FEATURE PLAN
6	C4.0	MATERIAL PLAN
7	C5.0	GRADING PLAN
8	C6.0	SECTIONS I
9	C6.1	SECTIONS II
10	C7.0	DETAILS
<b>IRRIGATION:</b>		
11	L1.0	IRRIGATION PLAN
12	L1.1	IRRIGATION CALCULATIONS & NOTES
<b>PLANTING:</b>		
13	L2.0	PLANTING PLAN
<b>LANDSCAPE DETAILS:</b>		
14	L3.0	LANDSCAPE DETAILS I
15	L3.1	LANDSCAPE DETAILS II
16	L3.2	LANDSCAPE DETAILS III
17	L3.3	LANDSCAPE DETAILS IV



REVIEWED: 4-2-19  
*William J. ...*  
CITY ENGINEER  
REG. ENGR. LIC. NO. C58036

PUMP TRACK GENERAL NOTES

- 1. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON DESIGN PLANS FROM THE ELECTRONIC SURVEY PROVIDED BY THE CITY. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
- 2. CONTRACTOR SHALL VERIFY AND COORDINATE FINISH GRADES WITH RELATED SITE IMPROVEMENTS. CONTRACTOR SHALL IMMEDIATELY REPORT ANY CONFLICTS OR DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE, AS WELL AS, ALL SITE DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DIFFERENCES IN TOPOGRAPHY OR SITE DIMENSION THAT DIFFER FROM THOSE SHOWN ON THE PLANS.
- 4. WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND IN THE FIELD BEFORE MOVING FORWARD. FAILURE TO GAIN CLARIFICATION FROM ENGINEER BEFORE MOVING FORWARD WILL RENDER CONTRACTOR RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH CORRECTING INSTALLED WORK TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE PROJECT SITE, AS NEEDED, DURING CONSTRUCTION.
- 6. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND/OR NATIONAL BUILDING CODES AND REQUIREMENTS.
- 7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL CODES, AND ALL REGULATIONS.
- 8. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND OSHA REGULATIONS.
- 9. CONTRACTOR SHALL HAVE ALL REQUIRED SUBMITTAL APPROVALS PRIOR TO BEGINNING THE WORK OR ORDERING MATERIALS.
- 10. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR TO ANY SIDEWALKS, LAWN, TREES, PAVING, AND OTHER IMPROVEMENTS DISTURBED BY CONSTRUCTION OR DEMOLITION ACTIVITIES PROPOSED HEREIN.

PUMP TRACK PERFORMANCE SPECIFICATIONS

ALL TRACK CONSTRUCTION SHALL COMPLY WITH THE SPECIFICATIONS, DRAWINGS, REQUIREMENTS, AND DESIGN INTENT PRESCRIBED IN THE CONSTRUCTION AND CONTRACT DOCUMENTS. ADDITIONAL RESOURCES INCLUDE "BIKE PARKS: IMBA'S GUIDE TO NEW SCHOOL TRAILS" (2014), "TRAIL SOLUTIONS" (2004), AND "MANAGING MOUNTAIN BIKING" (2007). MODIFICATIONS SHALL BE APPROVED BY OWNER'S REPRESENTATIVE.

- 1. COMPLETED PRODUCTS SHALL REFLECT PROFESSIONAL WORKMANSHIP IN APPEARANCE, QUALITY, AND ATTENTION TO DETAIL. TRAILS AND FEATURES SHALL BE WELL INTEGRATED INTO SITE, AESTHETICALLY PLEASING IN APPEARANCE, AND WELL-SHAPED, CRAFTED, AND FINISHED ACCORDING TO COMMONLY ACCEPTED BEST PRACTICES FOR HIGH QUALITY AND SUSTAINABLE MOUNTAIN BIKING TRAILS. WORK MUST BE COMPLETED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- 2. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES IN THE SPECIFICATIONS, THE MATTER SHALL BE AT ONCE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE, AND THE DISCREPANCIES CORRECTED BEFORE PROCEEDING FURTHER.
- 3. PUMP TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH GENERAL CONTRACTOR AND SUBCONTRACTORS AS REQUIRED TO COMPLETE ALL OPERATIONS.
- 4. TEST RIDING: PUMP TRACK CONTRACTOR SHALL THOROUGHLY TEST RIDE THE PUMP TRACK BY BIKE WITH APPROPRIATE EXPERT RIDER, TO ENSURE THE SPECIFIED RIDING EXPERIENCE, DESIGN, FLOW, RHYTHM, CHARACTER, DIFFICULTY, AND SPECIFICATIONS ARE MET. TESTING SHALL BE PERFORMED DURING THE TRACK ALIGNMENT AND TRACK FEATURE LOCATION PROCESS, AS WELL AS DURING CONSTRUCTION AND FOLLOWING CONSTRUCTION, TO THE EXTENT POSSIBLE AND IN CONSULTATION WITH OWNER'S REPRESENTATIVE. TRACK AND ITS FEATURES SHALL BE MODIFIED AND CORRECTED AS NECESSARY UNTIL PERFORMANCE SPECIFICATIONS ARE MET.
- 5. PUMP TRACK CONTRACTOR SHALL LEAVE TRACK AND THE ADJACENT AREA IN A FINISHED AND NATURAL-LOOKING CONDITION AND MINIMIZE DISTURBANCE TO PERMANENT EXISTING VEGETATION TO THE EXTENT POSSIBLE IN COORDINATION WITH GENERAL CONTRACTOR, TOPSOIL SPREADING, IRRIGATION AND LANDSCAPE INSTALLATION.
- 6. ALL EXCAVATED MATERIAL GENERATED DURING PUMP TRACK CONSTRUCTION MUST BE USED IN THE TRAIL, OR DISPERSED AND BLENDED INTO SURROUNDING TERRAIN, OR REMOVED. NO PILES OF EXCAVATED MATERIAL GREATER THAN 6 INCHES DEPTH SHALL BE LEFT BEHIND.
- 7. THE PUMP TRACK CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND POSITIVE DRAINAGE AWAY FROM ALL TRAILS AND TRAIL FEATURES. NO IMPOUNDMENTS NOR PONDING OF SURFACE WATER SHALL BE ALLOWED.

PUMP TRACK CONSTRUCTION NOTES

- 1. TRACK ALIGNMENTS
  - A. THE TRAIL PLAN IS DIAGRAMMATIC AND DOES NOT REFLECT AN EXACT FINAL ALIGNMENT OR DIMENSION FOR EACH TRAIL, TRAIL IMPROVEMENT, ARMORING, OR TRAIL FEATURE. ALL TRAIL AND TRAIL IMPROVEMENT LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
  - B. PUMP TRACK CONTRACTOR SHALL CREATE AN EXACT FINAL ALIGNMENT AND LOCATION FOR EACH TRACK AND TRACK FEATURE. THE ALIGNMENTS AND LOCATIONS SHALL MEET APPROPRIATE SPECIFICATIONS AS PROVIDED IN THE CONSTRUCTION DOCUMENTS. TRACK ALIGNMENTS MUST BE FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION.
  - C. THE ALIGNMENT, LOCATION, DESIGN, AND CONSTRUCTION OF EACH INDIVIDUAL TRAIL SHALL CONFORM TO THE SPECIFICATIONS, INTENT, CHARACTER, AND DESCRIPTION FOR THAT SPECIFIC TRAIL AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
  - D. IF CONFLICTS ARISE IN TRAIL ALIGNMENTS, FEATURES, ARMORING, VEGETATION, LANDSCAPING, IRRIGATION, AND/OR OTHER ITEMS, TRAIL CONTRACTOR IS REQUIRED TO IMMEDIATELY CONTACT OWNER'S REPRESENTATIVE FOR RESOLUTION BEFORE PROCEEDING.
  - E. THE TRAIL CONTRACTOR SHALL WORK WITH THE OWNER'S REPRESENTATIVE TO IDENTIFY THE NEED TO FURTHER REFINE OR ADJUST CONSTRUCTION NOTES, LOCATION OR TYPES OF TRAILS OR FEATURES, AND MAKE MINOR ADJUSTMENTS AT THE TIME OF CONSTRUCTION.
- 2. TURNS
  - A. TURNS ON THE TRAIL SYSTEM SHALL BE CAMBERED/BANKED/BERMED AS NECESSARY ACCORDING TO THE SPECIFICATIONS, DRAWINGS, INTENDED RIDING EXPERIENCE, TRAIL FLOW, TRAIL SPEED, AND DIFFICULTY. TURN CONSTRUCTION SHALL BE INCIDENTAL TO THE UNIT RATE FOR TRAIL CONSTRUCTION.
- 3. VERTICAL UNDULATIONS
  - A. THE TRACK SHOULD HAVE VERTICAL UNDULATIONS SUCH AS ROLLERS, JUMPS, GRADE REVERSALS, AND DIPS AS NECESSARY ACCORDING TO THE SPECIFICATIONS, DRAWINGS, INTENDED RIDING EXPERIENCE, TRAIL FLOW, TRAIL SPEED, AND DIFFICULTY. SUCH VERTICAL UNDULATIONS SHALL BE INCIDENTAL TO THE UNIT RATE FOR TRAIL CONSTRUCTION.
- 4. COMPACTION
  - A. ALL TRACK, TRACK TREADS, TRACK SURFACING MATERIALS, BACKSLOPES, ROLLERS, BERMS, FILL, AND TERRAIN ENHANCEMENTS SHALL BE 95% COMPACTED ACCORDING TO COMMONLY ACCEPTED BEST PRACTICES AND IN A MANNER THAT WILL SUPPORT THE INTENDED USE.
  - B. ALL SUB GRADES SHALL BE 90% COMPACTED ACCORDING TO ACCEPTED BEST PRACTICES.
  - C. ALL INSTANCES OF CLASS 2 AGGREGATE SHALL BE 95% COMPACTED ACCORDING TO ACCEPTED BEST PRACTICES.
- 5. QUANTITIES
  - A. FOR ALL SPECIFICATIONS THAT CONTAIN MORE OR LESS QUANTITIES, IT SHALL BE UNDERSTOOD AND AGREED THAT QUANTITIES LISTED IN THE SPECIFICATIONS ARE ESTIMATED ONLY AND MAY BE INCREASED OR DECREASED IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER.
- 6. PUMP TRACK 70/30 CLAY MIX SURFACE MATERIAL
  - A. THE INTENT OF THE PUMP TRACK 70/30 CLAY MIX SURFACE MATERIAL IS TO COVER THE EXISTING SOILS WITH A WELL-BALANCED SURFACE THAT FACILITATES DRAINAGE, COMPACTS WELL, AND THAT PERFORMS REASONABLY IN BOTH WET AND DRY WEATHER CONDITIONS. PUMP TRACK 70/30 CLAY MIX SURFACE MATERIAL SHALL BE INCIDENTAL TO THE UNIT RATE FOR PUMP TRACK CONSTRUCTION. DESIRED CHARACTERISTICS INCLUDE:
    - DRAINS WELL AND FACILITATES SHEET DRAINAGE
    - STAYS FIRM AND COHESIVE WHEN MOIST
    - STAYS FIRM AND COHESIVE WHEN DRY
    - RESISTS SHEER FORCES CREATED BY BICYCLE TIRES (CORNERING, BRAKING, AND ACCELERATING)
    - REASONABLY PLIABLE IN ORDER TO SHAPE TRACK SURFACE AND PERFORM MAINTENANCE

- B. THE 70/30 CLAY MIX SURFACE MATERIAL MUST BE DEMONSTRATED AND TESTED IN BOTH WET AND DRY CONDITIONS ON THE SAMPLE TRAIL SECTIONS DESCRIBED IN THE PUMP TRACK ASPHALT TECHNICAL SPECIFICATIONS AND/OR AS DIRECTED BY PUMP TRACK DESIGNER/OWNER'S REPRESENTATIVE. MODIFICATIONS TO THE MATERIAL MAY BE NECESSARY BASED ON THE SAMPLE TEST. OWNER'S REPRESENTATIVE MUST APPROVE THE MATERIAL BEFORE ADDITIONAL CONSTRUCTION MAY PROCEED.
- C. APPLY SOILTAC ADDITIVE PER MANUFACTURER'S RECOMMENDATIONS ON ALL SOIL RIDING SURFACES
- 7. PREQUALIFICATIONS STATEMENT
  - A. THE CONTRACTOR SHALL HAVE BUILT A MINIMUM OF THREE (3) PUMP TRACKS IN THE LAST FIVE (5) YEARS EQUAL IN SIZE AND COMPLEXITY TO ENSURE SUCCESSFUL PROJECT COMPLETION. CONTRACTOR SHALL PROVIDE PROOF OF PROFICIENCY, WITH REFERENCES, TO THE CITY AT TIME OF BID.

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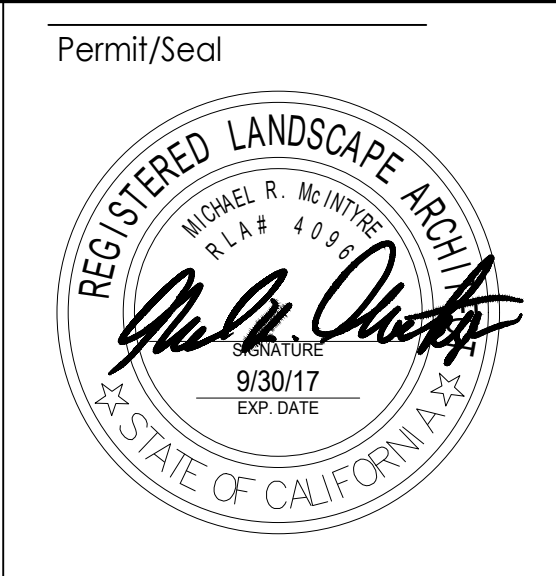
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Revision	By	Appd	YYYY.MM.DD

Issued	By	Appd	YYYY.MM.DD
3			2019.03.01
2			2019.02.06
1			2018.09.06



Consultant



Client/Project  
CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

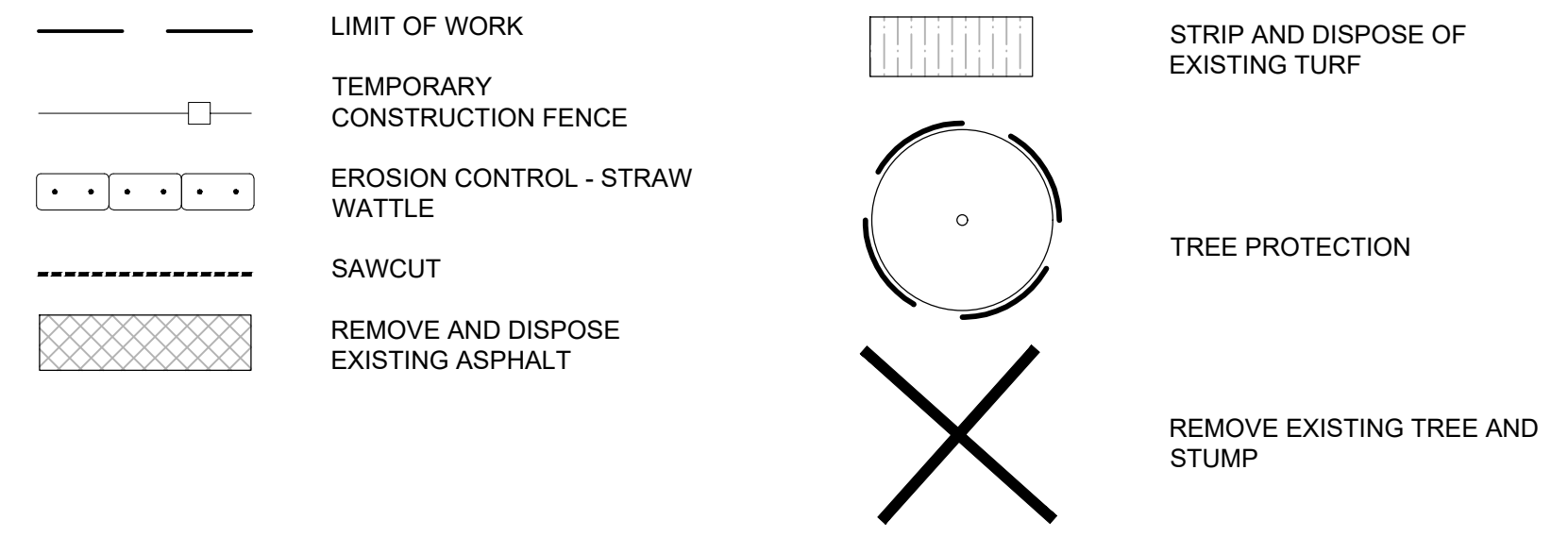
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Dwn. Dgn. Chkd. YYYY.MM.DD

Title	
PUMP TRACK NOTES	
Project No. 222011228	Scale
Revision Sheet 1 2 of 17	Drawing No. C0.0



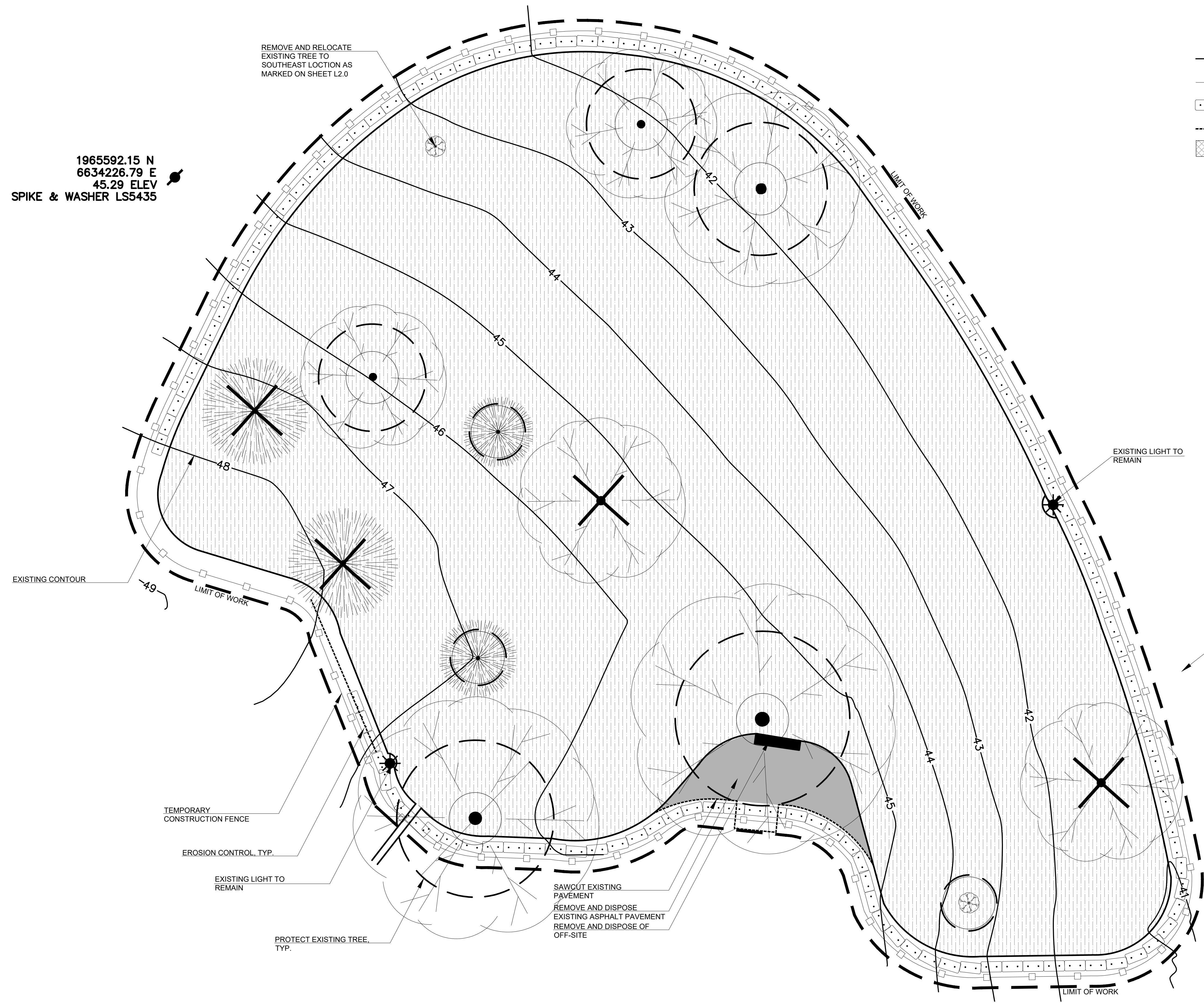
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45.29 ELEV  
SPIKE & WASHER LS5435

**EROSION CONTROL & DEMOLITION PLAN LEGEND**

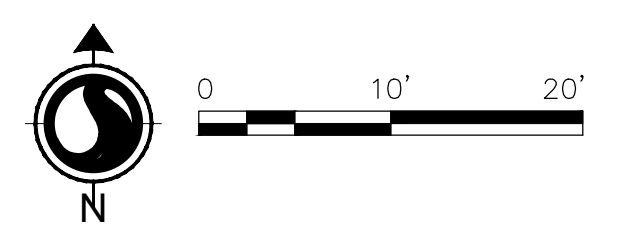


**EROSION CONTROL & DEMOLITION PLAN NOTES**

1. ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
2. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
3. REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
4. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY LANDSCAPE ARCHITECT.
5. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
6. REMOVE, CAP, AND/OR ABANDON IN PLACE IRRIGATION AS NECESSARY. IRRIGATION SPRAY HEADS SHALL BE SALVAGED AND GIVEN TO THE CITY.

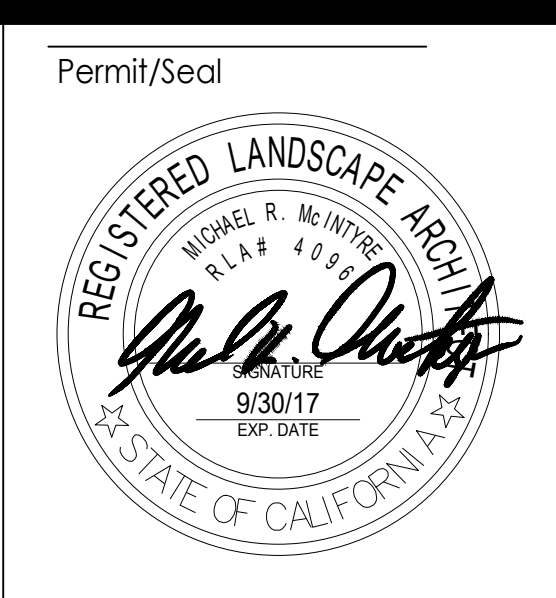


EXISTING ASPHALTIC CONCRETE PATH



Revision	By	Appd	YYYY.MM.DD

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Client/Project Logo

Client/Project  
CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

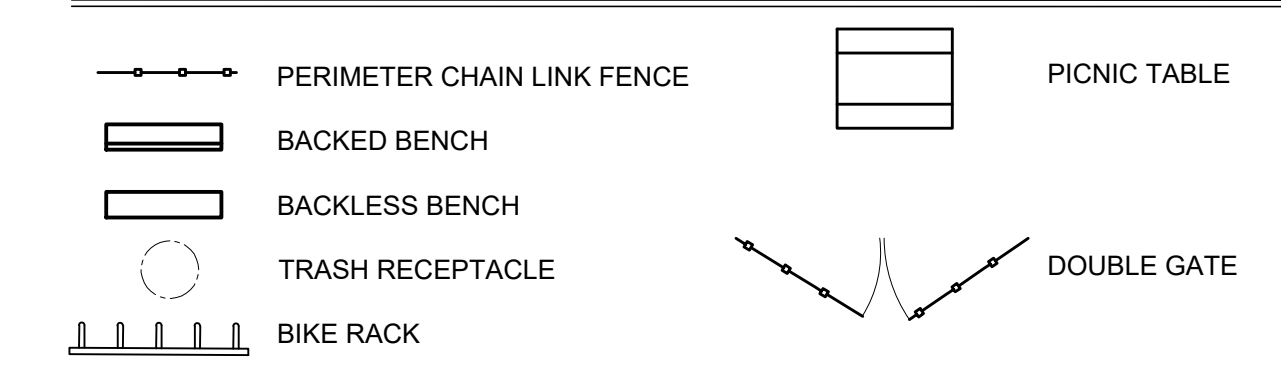
Davis, California

File Name: 222011228\_1.0\_SITE PREP  
Jm/CL Dwn. MM Dsgn. MM Chkd. 2019.03.01

Title  
EROSION CONTROL & DEMOLITION PLAN

Project No. 222011228  
Revision Sheet 1 of 3  
Scale  
Drawing No. C1.0

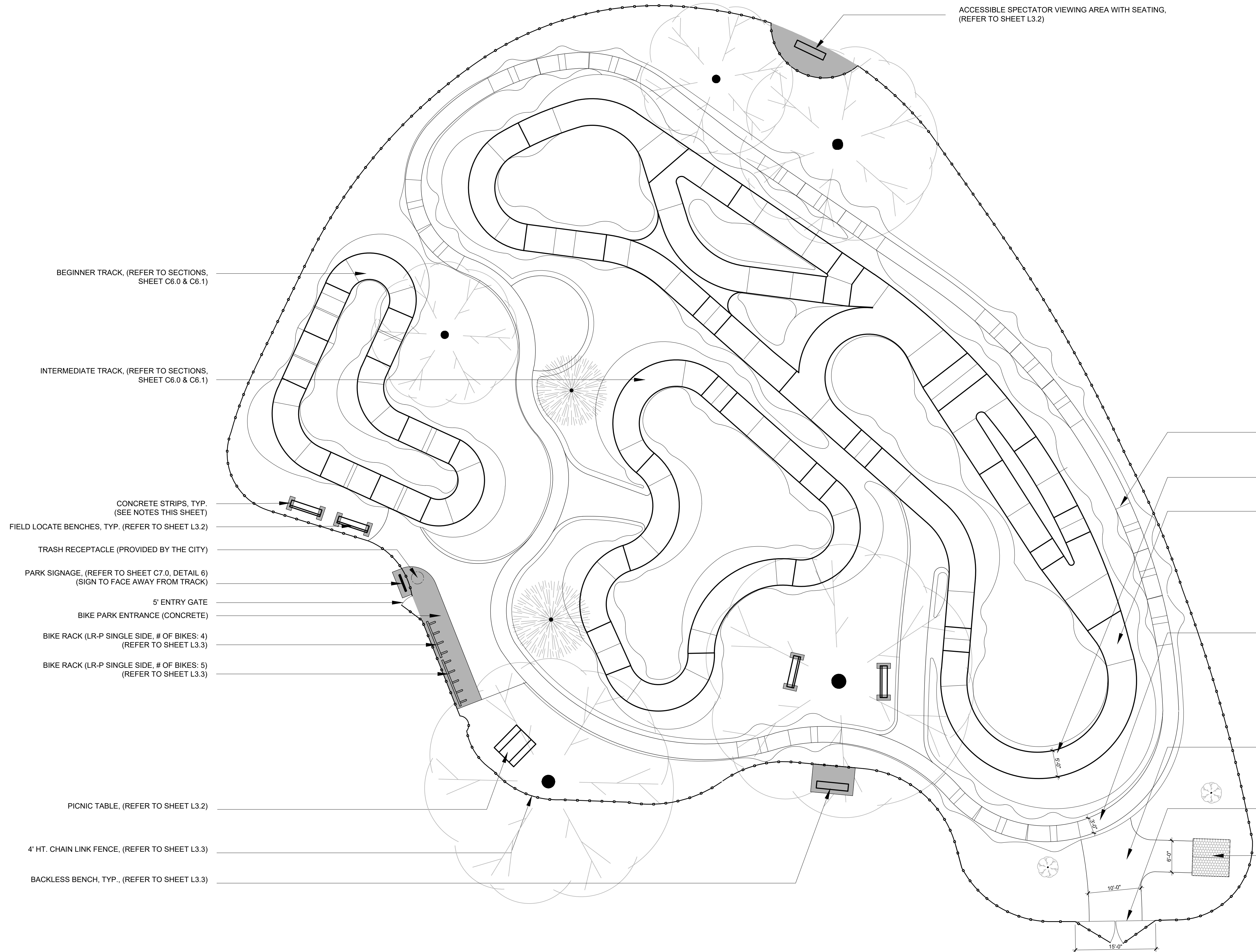
### LAYOUT PLAN LEGEND



### LAYOUT PLAN NOTES

1. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ARE UNKNOWN. SEE IRRIGATION PLAN FOR APPROXIMATE MAINLINE LOCATION. CONTRACTOR SHALL NOTIFY DIG-ALERT AND THE PROPER LOCAL AUTHORITIES OR REPRESENTATIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
2. CONTRACTOR(S) SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL CONSTRUCTION DOCUMENTS, SPECIFICATIONS, AND THE SITE CONDITIONS PRIOR TO CONSTRUCTION.
3. ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION AND RESOLUTION PRIOR TO BIDDING OR CONSTRUCTION.
4. ACTUAL LOCATION OF SAWCUT TO BE FIELD LOCATED BY OWNER'S REPRESENTATIVE.
5. BENCHES TO BE: 6' BACKLESS BENCH, MODEL #164 WITH CENTER AND END ARMRESTS, IN COLOR FOREST GREEN, AS MANUFACTURED BY DUMOR OR 6' BACKED BENCH, MODEL #160 WITH CENTER AND END ARMRESTS, IN COLOR FOREST GREEN, AS MANUFACTURED BY DUMOR. SEE LAYOUT PLAN FOR LOCATION. [INSTALL 2'-7" x 12" CONCRETE STRIPS FOR SURFACE-MOUNT BENCHES WITHIN BIKE PUMP TRACK FENCED AREA, AS SHOWN ON PLANS (REFER TO DETAIL 402, SHEET L3.2)]
6. TRASH RECEPTACLES TO BE PROVIDED BY THE CITY.
7. PICNIC TABLE TO BE 6' CONCRETE PICNIC TABLE, MODEL #101SSK, IN COLOR SEQUOIA SAND, AS MANUFACTURED BY OUTDOOR CREATIONS.

C  
B  
A



BEGINNER TRACK, (REFER TO SECTIONS, SHEET C6.0 & C6.1)

INTERMEDIATE TRACK, (REFER TO SECTIONS, SHEET C6.0 & C6.1)

CONCRETE STRIPS, TYP. (SEE NOTES THIS SHEET)

FIELD LOCATE BENCHES, TYP. (REFER TO SHEET L3.2)

TRASH RECEPTACLE (PROVIDED BY THE CITY)

PARK SIGNAGE, (REFER TO SHEET C7.0, DETAIL 6) (SIGN TO FACE AWAY FROM TRACK)

5' ENTRY GATE

BIKE PARK ENTRANCE (CONCRETE)

BIKE RACK (LR-P SINGLE SIDE, # OF BIKES: 4) (REFER TO SHEET L3.3)

BIKE RACK (LR-P SINGLE SIDE, # OF BIKES: 5) (REFER TO SHEET L3.3)

PICNIC TABLE, (REFER TO SHEET L3.2)

4' HT. CHAIN LINK FENCE, (REFER TO SHEET L3.3)

BACKLESS BENCH, TYP., (REFER TO SHEET L3.3)

ACCESSIBLE SPECTATOR VIEWING AREA WITH SEATING, (REFER TO SHEET L3.2)

OUTER PUMP TRACK, (REFER TO SECTIONS, SHEET C6.0 & C6.1)

TRACK WIDTH 5'-0", (REFER TO SECTIONS, SHEET C6.0 & C6.1)

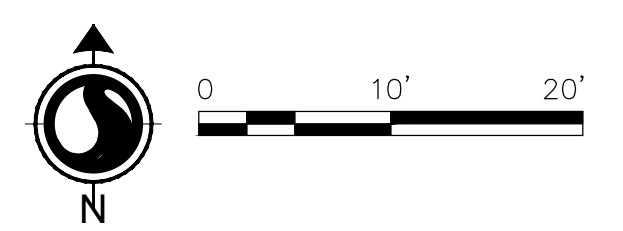
EXPERT TRACK, (REFER TO SECTIONS, SHEET C6.0 & C6.1)

TRACK WIDTH 3'-0", TYP. (LOOP TRACK), (REFER TO SECTIONS, SHEET C6.0 & C6.1)

8" DEPTH CLASS 2 AGGREGATE CONSTRUCTION ENTRANCE, (REFER TO SHEET C7.0, DETAIL 4)

MAINTENANCE DOUBLE GATE, (REFER TO SHEET L3.3)

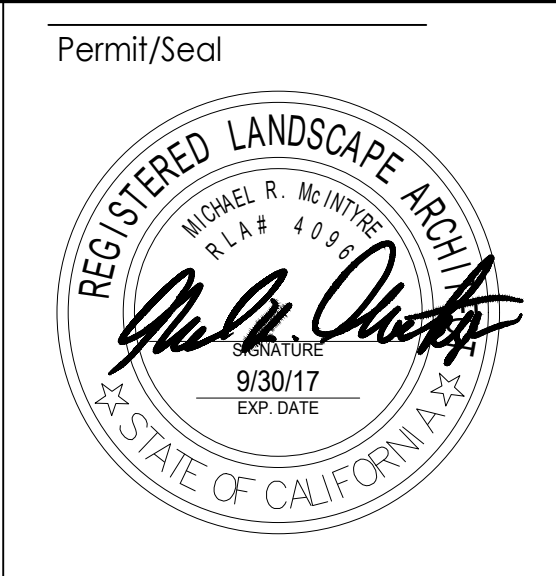
CONCRETE PAD UNDER LOCK BOX



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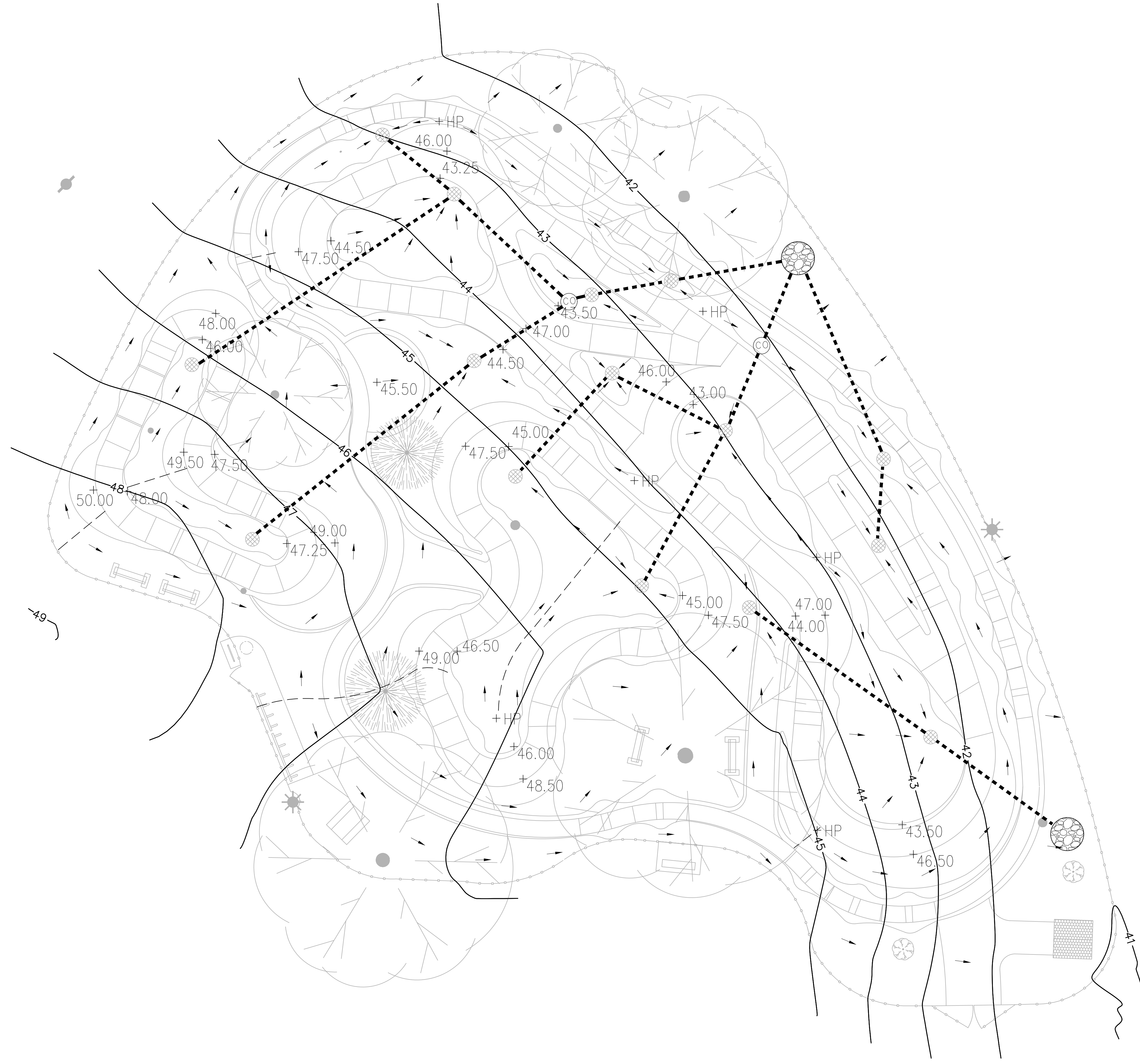
Davis, California

File Name: 222011228\_2.0\_SITE LAYOUT JM/CL MM MM 2019.03.01  
 Dwn. Dgn. Chk. YYYY.MM.DD

Title SITE LAYOUT PLAN	
Project No. 222011228	Scale
Revision Sheet 1 4 of 17	Drawing No. C2.0





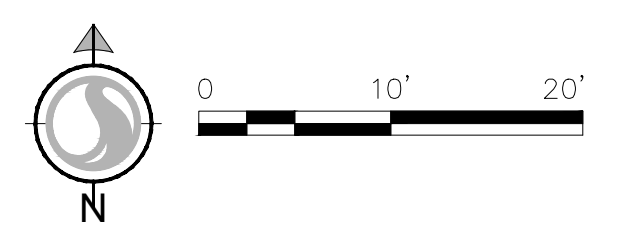


### GRADING PLAN LEGEND

- 45- EXISTING CONTOUR
- TRACK OUTLINE AND HIGHPOINT OF JUMP FETAURES (REFER TO SECTIONS SHEET C6.0)
- SPILLAGE OUTLINE AND LOWPOINT OF JUMPS (REFER TO SECTIONS SHEET C6.0)
- 4" ABS SOLID PIPE (SEE LANDSCAPE DETAIL SHEETS)
- CO CLEANOUT
- RIDGE LINE
- SLOPE ARROW
- + 43.00 PROPOSED SPOT GRADE
- + HP HIGH POINT
- ⊗ DRAIN INLET (SEE LANDSCAPE DETAIL SHEETS)
- ⊗ DRY WELL AREA (SEE LANDSCAPE DETAIL SHEETS)

### GRADING PLAN NOTES

1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY LANDSCAPE ARCHITECT IN THE FIELD AND OWNER'S REP.
2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED. (REFER TO SECTIONS, SHEET C6.0, FOR JUMP SECTIONS)
3. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND DRAINS, AND FOLLOW OVERALL POSITIVE DRAINAGE, AVOIDING STANDING WATER.
4. ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
5. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
6. REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
7. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY LANDSCAPE ARCHITECT AND OWNER'S REP.
8. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
9. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY LANDSCAPE ARCHITECT IN THE FIELD.
10. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
11. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.



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DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

File Name: 222011228\_5.0\_GRADING JM/CL MM MM 2019.03.01  
Dwn. Dsgn. Chkd. YYYY.MM.DD

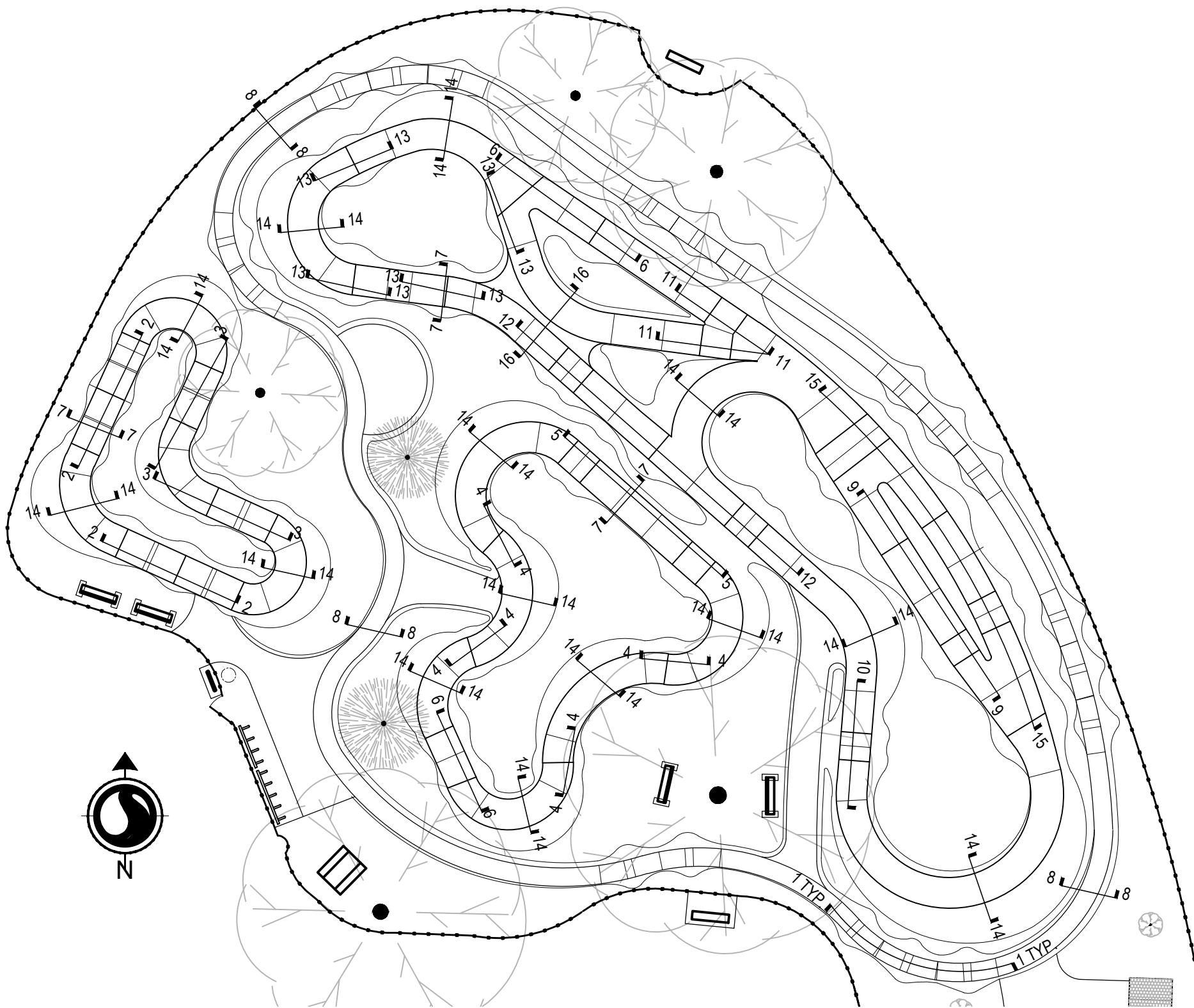
Title PUMP TRACK GRADING PLAN	
Project No. 222011228	Scale
Revision Sheet 1 7 of 17	Drawing No. C5.0

**MATERIAL LEGEND**

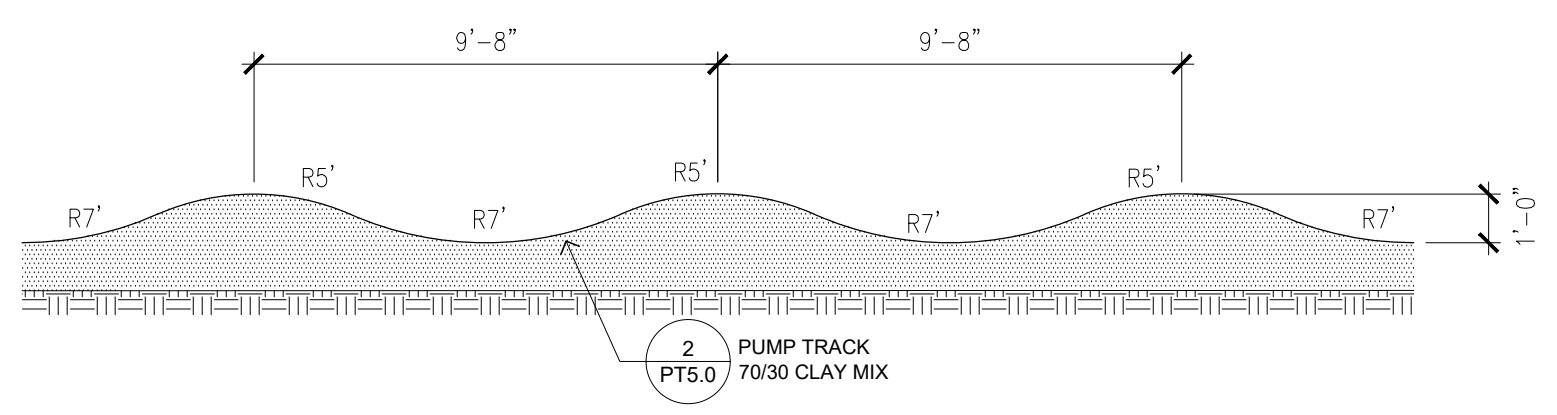
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	COMPACTED SUBGRADE (90% COMPACTION)

**GENERAL NOTES:**

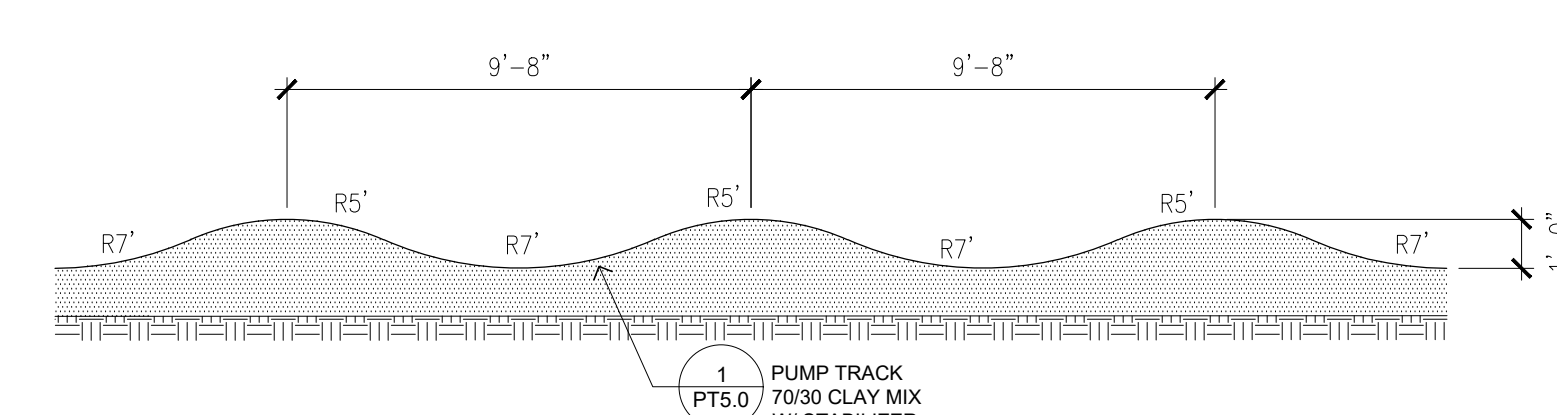
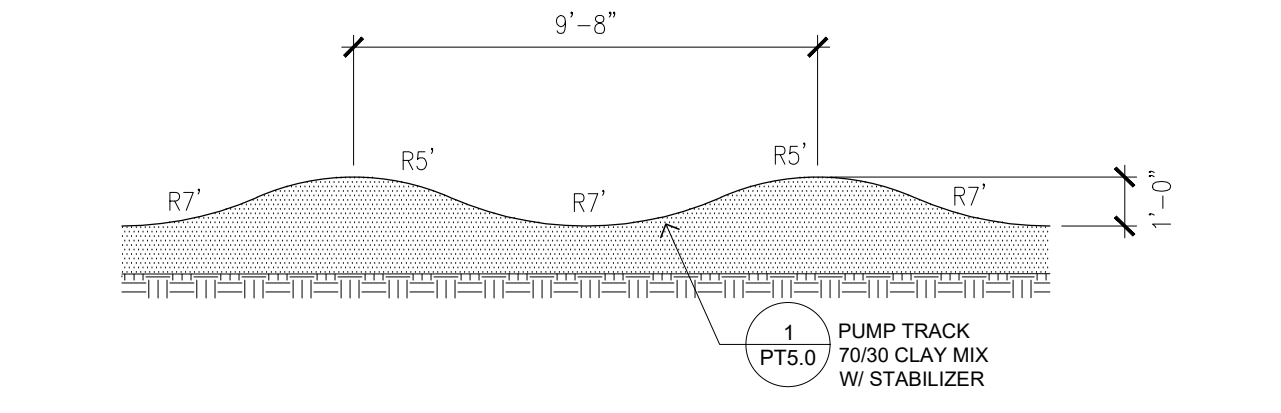
- CONTRACTOR SHALL HAVE KNOWLEDGE AND EXPERIENCE OF BIKE PARK CONSTRUCTION, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
- SECTIONS/PROFILES ARE AT THE DISCRETION OF BIKE PARK CONSTRUCTOR, AND SUBJECT TO CHANGE BOTH LOCATION AND SHAPE.



**SECTION KEY MAP**  
1:20 SCALE



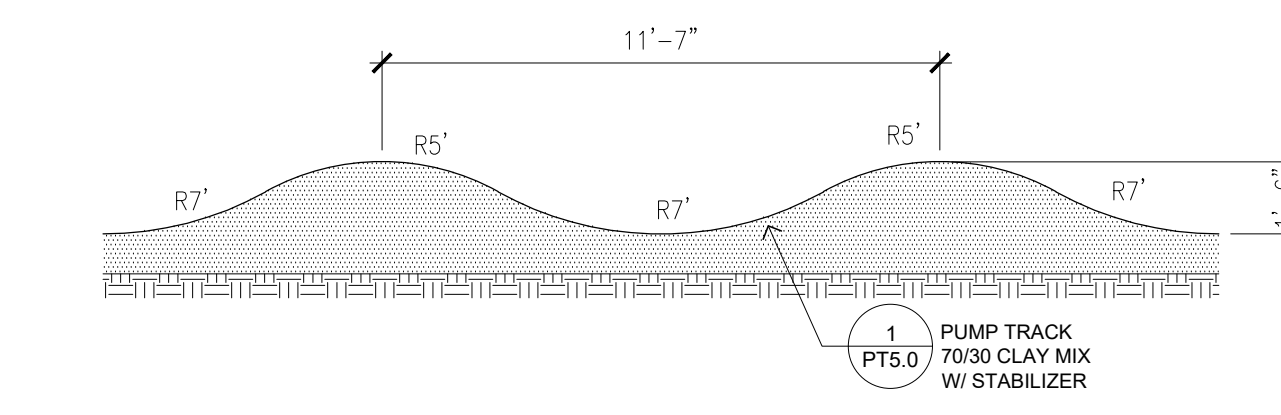
**1 OUTER TRACK ROLLERS**  
NOT TO SCALE



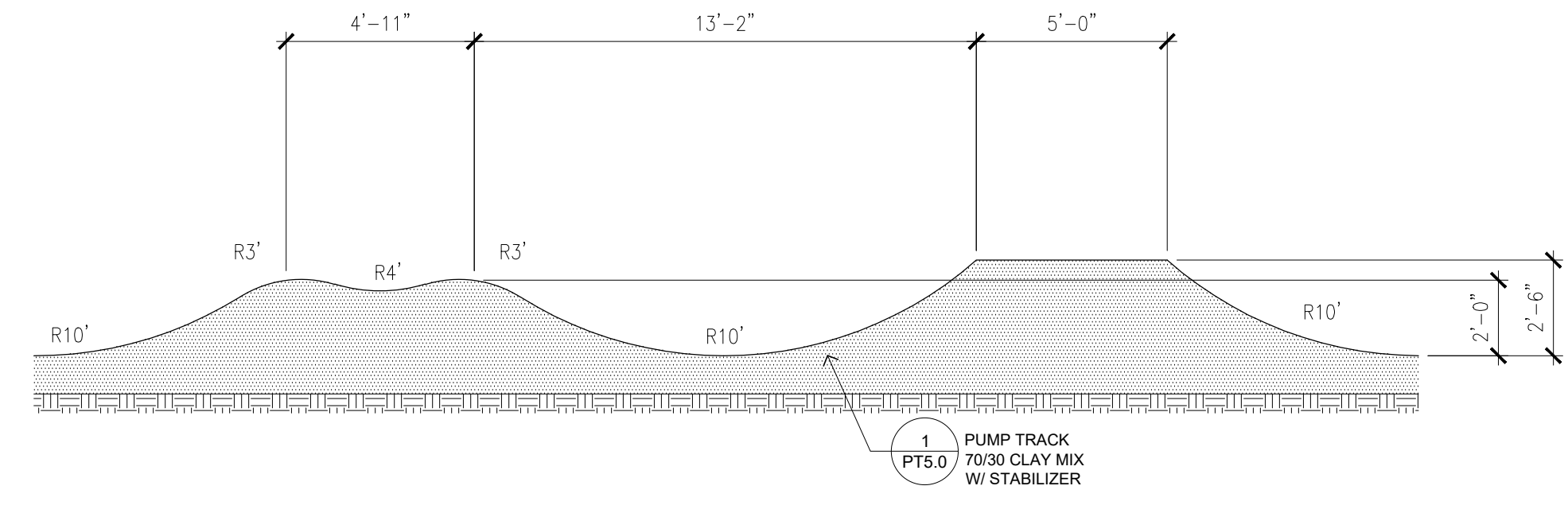
**2 BEGINNER TRIPLE ROLLER**  
NOT TO SCALE

**3 BEGINNER DOUBLE ROLLER**  
NOT TO SCALE

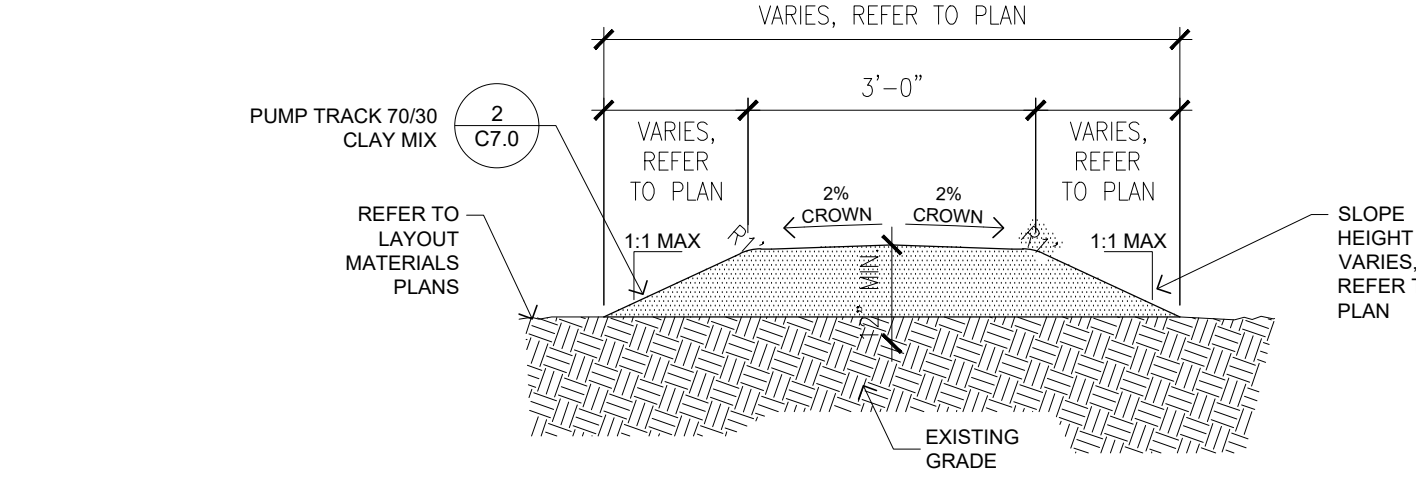
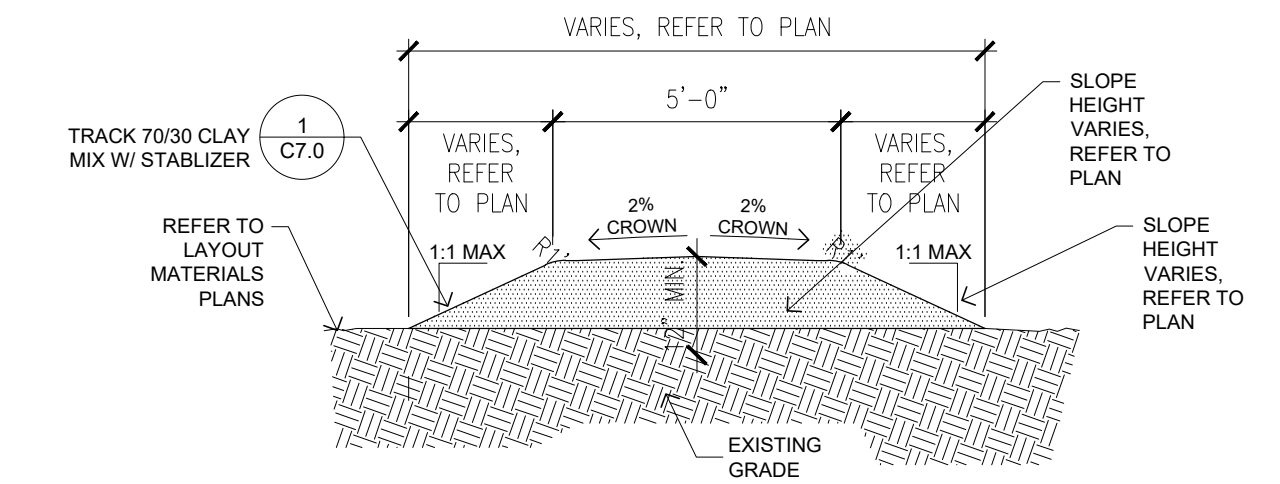
**4 INTERMEDIATE/EXPERT SINGLE ROLLER**  
NOT TO SCALE



**6 INTERMEDIATE/EXPERT DOUBLE ROLLER**  
NOT TO SCALE



**5 INTERMEDIATE DOUBLE TO TABLE**  
NOT TO SCALE



**7 PUMP TRACK**  
NOT TO SCALE

**8 OUTER TRACK**  
NOT TO SCALE

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Revision	By	Appd	YYYY.MM.DD
3			2019.03.01
2			2019.02.06
1			2018.09.06

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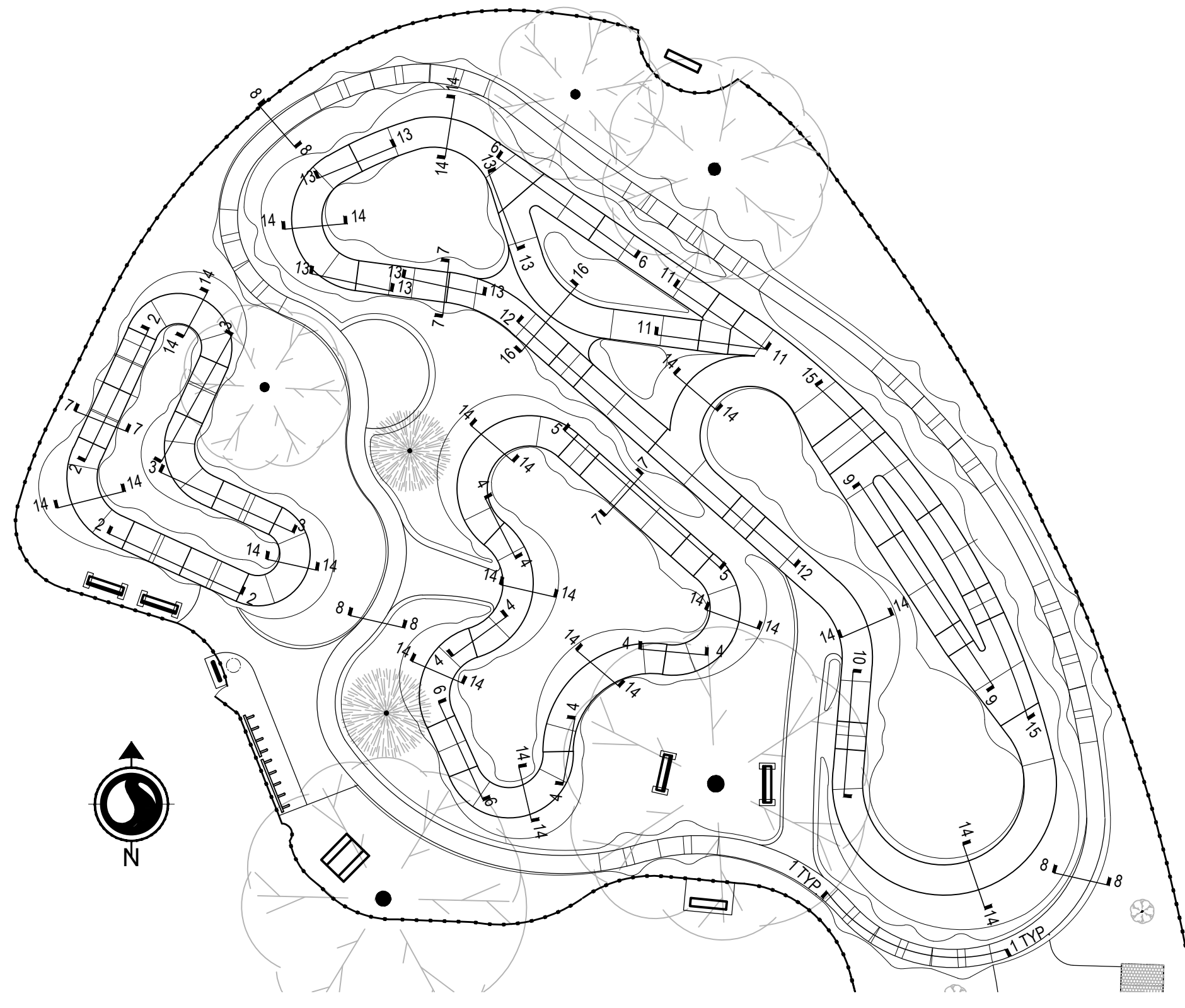
Davis, California

File Name: 222011228\_6.0\_SECTIONS JM/CL MM MM 2019.03.01  
Dwn. Dgn. Chk. YYYT.MM.DD

Title  
PUMP TRACK SECTIONS

Project No. 222011228 Scale

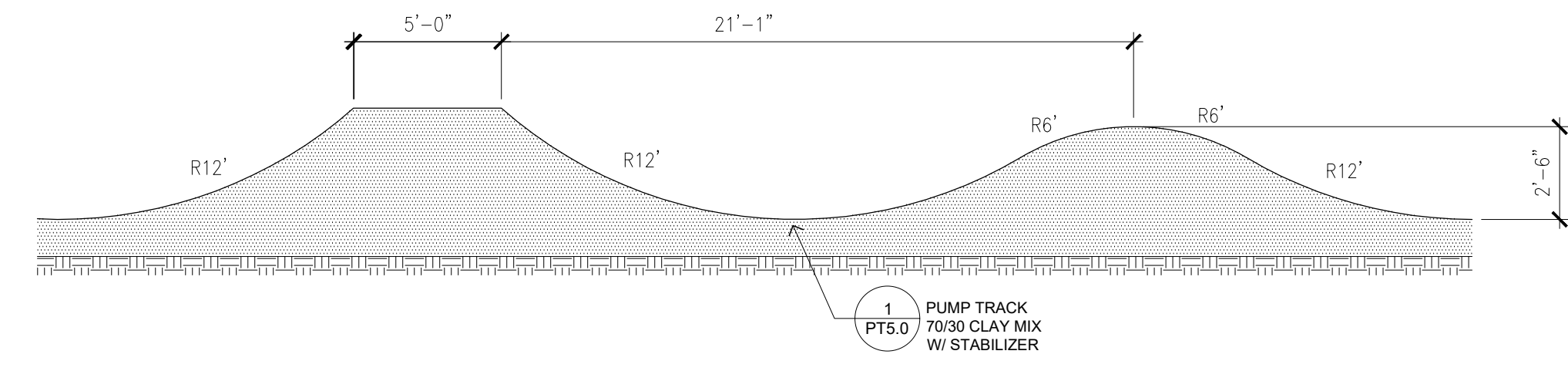
Revision Sheet 1 8 of 17 Drawing No. C6.0



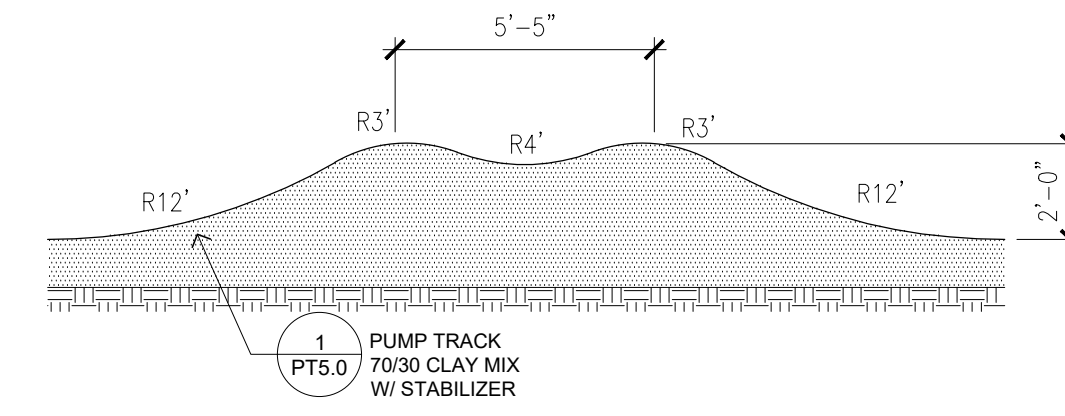
SECTION KEY MAP  
1:20 SCALE

- MATERIAL LEGEND**
- 70/30 CLAY IMPORT SURFACE PER PUMP TRACK TECHNICAL SPECIFICATIONS (95% COMPACTION)
  - COMPACTED SUBGRADE (90% COMPACTION)

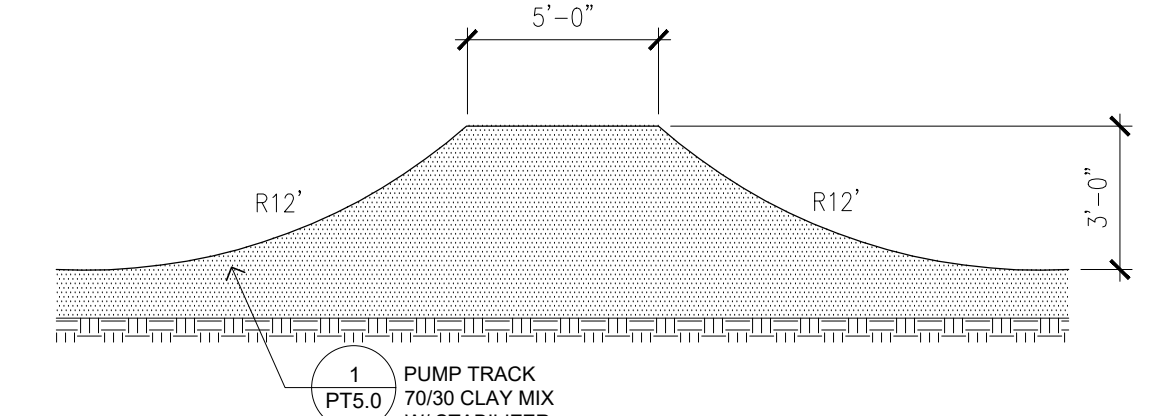
- GENERAL NOTES:**
- CONTRACTOR SHALL HAVE KNOWLEDGE AND EXPERIENCE OF BIKE PARK CONSTRUCTION, APPLICATION AND FINISHING TO PROPERLY INTERPRET SECTIONS/ PROFILES.
  - SECTIONS/PROFILES ARE AT THE DISCRETION OF BIKE PARK CONSTRUCTOR, AND SUBJECT TO CHANGE BOTH LOCATION AND SHAPE.



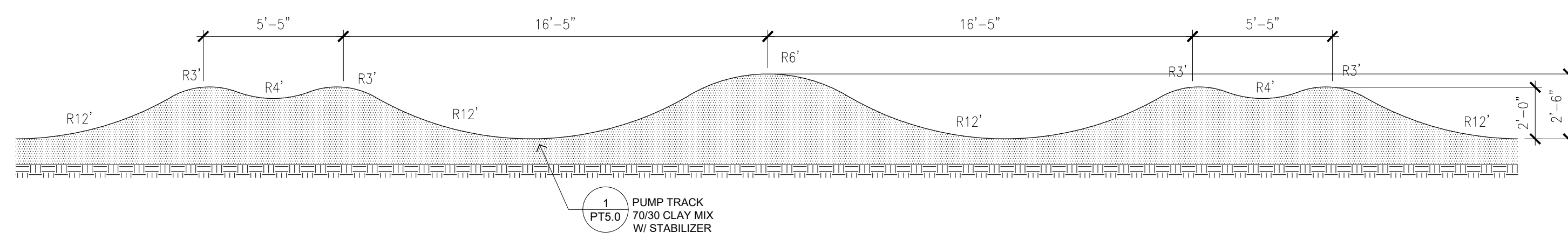
**9 EXPERT TABLE TO ROLLER**  
NOT TO SCALE



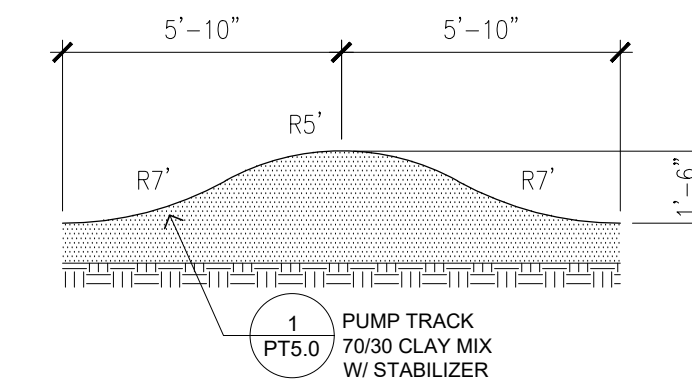
**10 EXPERT DOUBLE**  
NOT TO SCALE



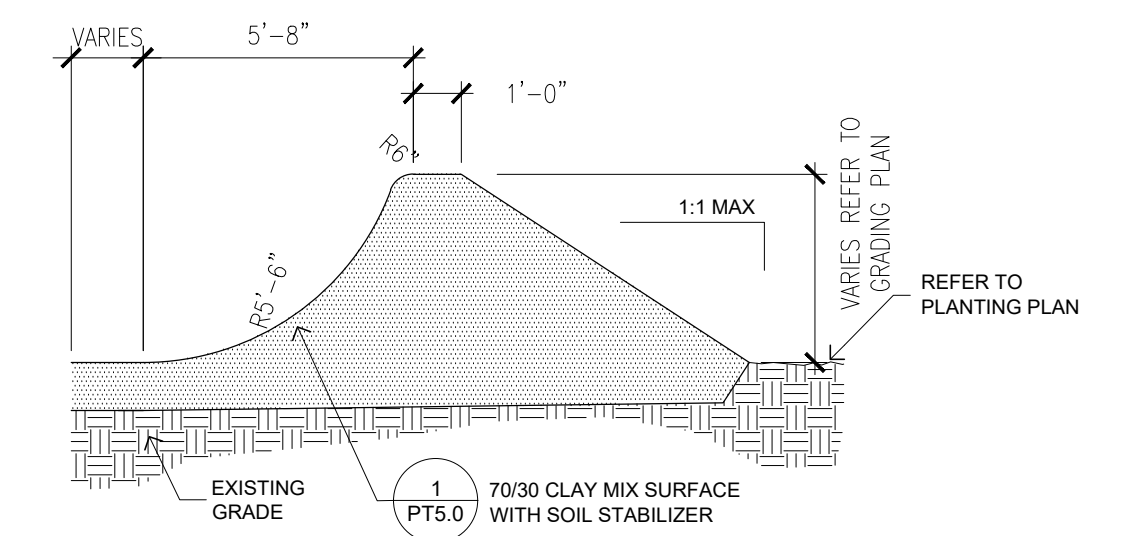
**11 EXPERT TABLE**  
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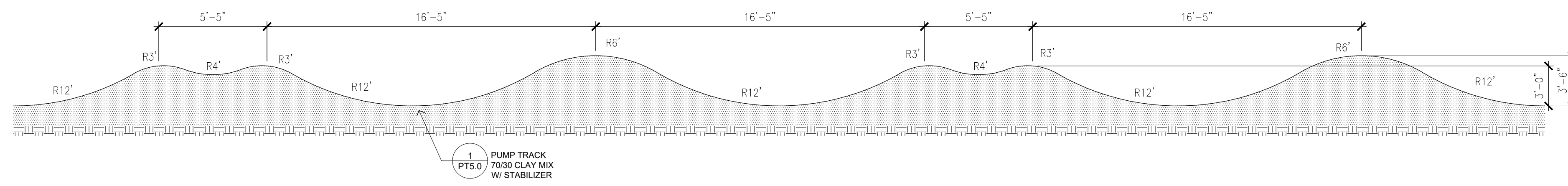
**12 EXPERT DOUBLE TO ROLLER TO DOUBLE**  
NOT TO SCALE



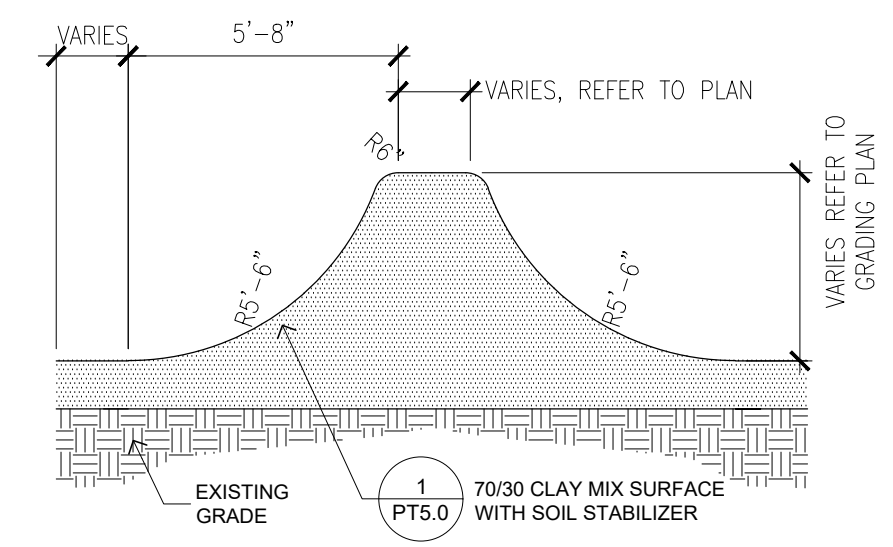
**13 EXPERT SINGLE ROLLER**  
NOT TO SCALE



**14 TURN**  
NOT TO SCALE



**15 EXPERT DOUBLE TO ROLLER TO DOUBLE TO ROLLER**  
NOT TO SCALE



**16 TURN SPINE**  
NOT TO SCALE

04-18-23 City Council Meeting  
 2019.03.01 4:22 PM  
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Revision	By	Appd	YYYY.MM.DD	Issued	By	Appd	YYYY.MM.DD
3				2019.03.01			
2				2019.02.06			
1				2018.09.06			

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CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

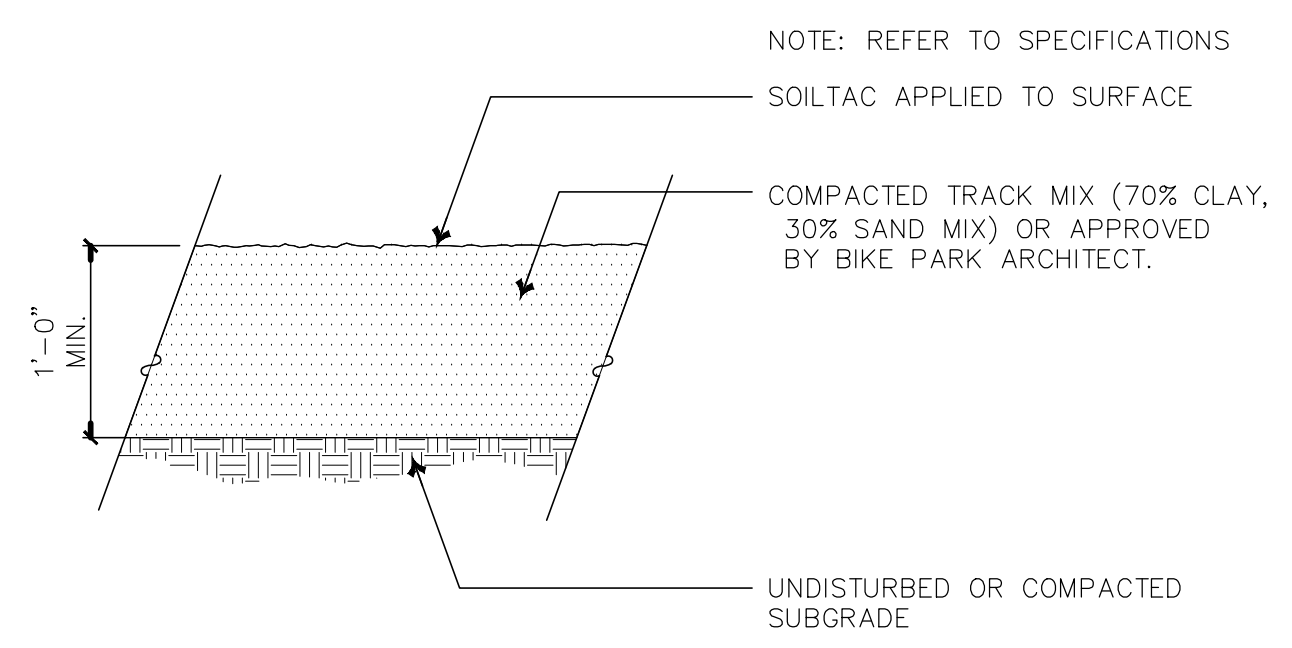
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Dwn. JM/CL  
Dsgn. MM  
Chkd. MM  
2019.03.01

Title

PUMP TRACK SECTIONS

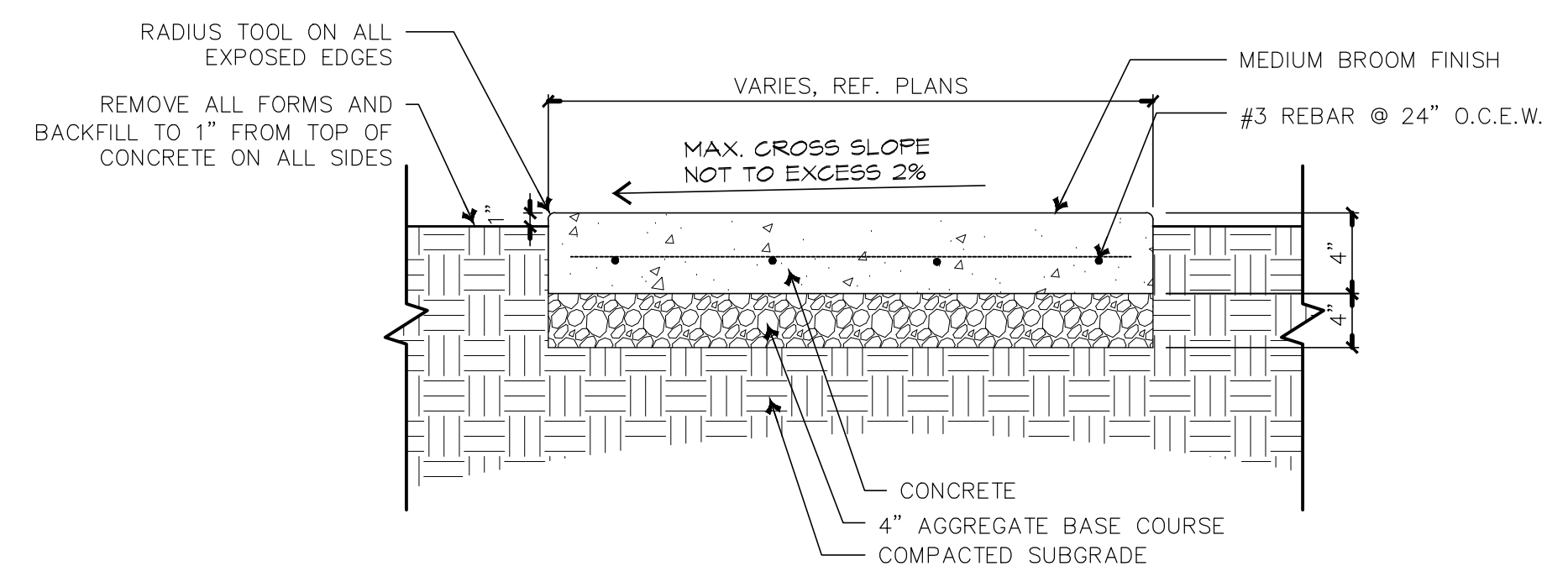
Project No. 222011228  
Scale

Revision Sheet 1 of 17  
Drawing No. C6.1



NOTE: LIQUID POLYMER SOIL STABILIZER / DUST PALLIATIVE APPLIED TO ALL JUMPS AND SIDE PROFILES. "SOILTAC" LIQUID PRODUCT OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. APPLICATION SHOULD TAKE PLACE AFTER TRACK GRADE, COMPACTION AND SHAPING IS FINAL AND APPROVED BY BIKE PARK ARCHITECT.

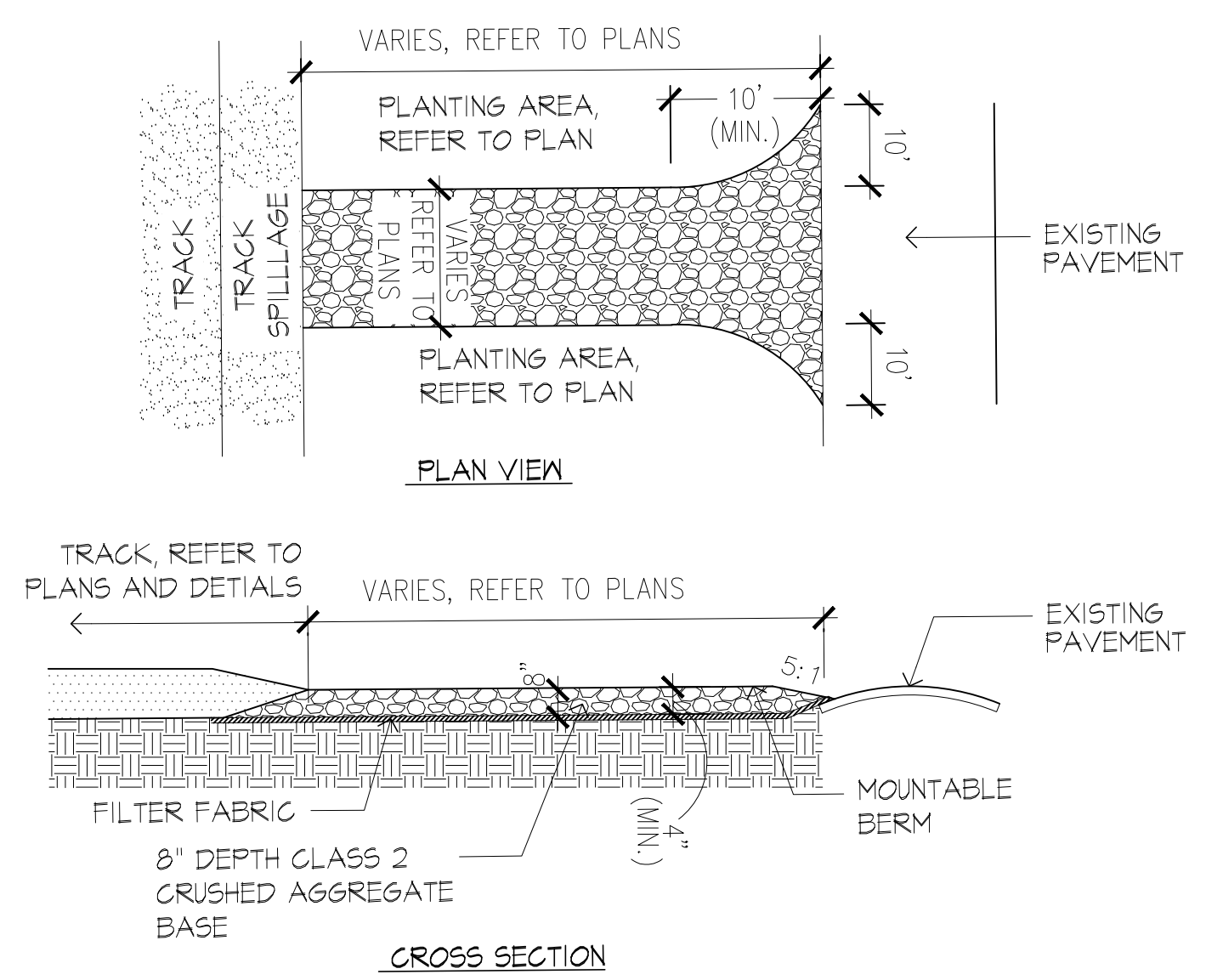
**2** **PUMP TRACK 70/30 CLAY MIX**  
NOT TO SCALE



**3** **CONCRETE PAD**  
NOT TO SCALE

- MATERIAL LEGEND**
- COMPACTED TRACK MIX (95% COMPACTION) (70% CLAY, 30% SAND MIX ), WITH STABILIZER; OR APPROVED BY OWNER'S REP.
  - COMPACTED TRACK MIX (95% COMPACTION) (70% CLAY, 30% SAND MIX ) OR APPROVED BY OWNER'S REP.
  - COMPACTED SUBGRADE (90% COMPACTION)
  - CONCRETE
  - CLASS 2 CRUSHED ROCK AGGREGATE (95% COMPACTION)

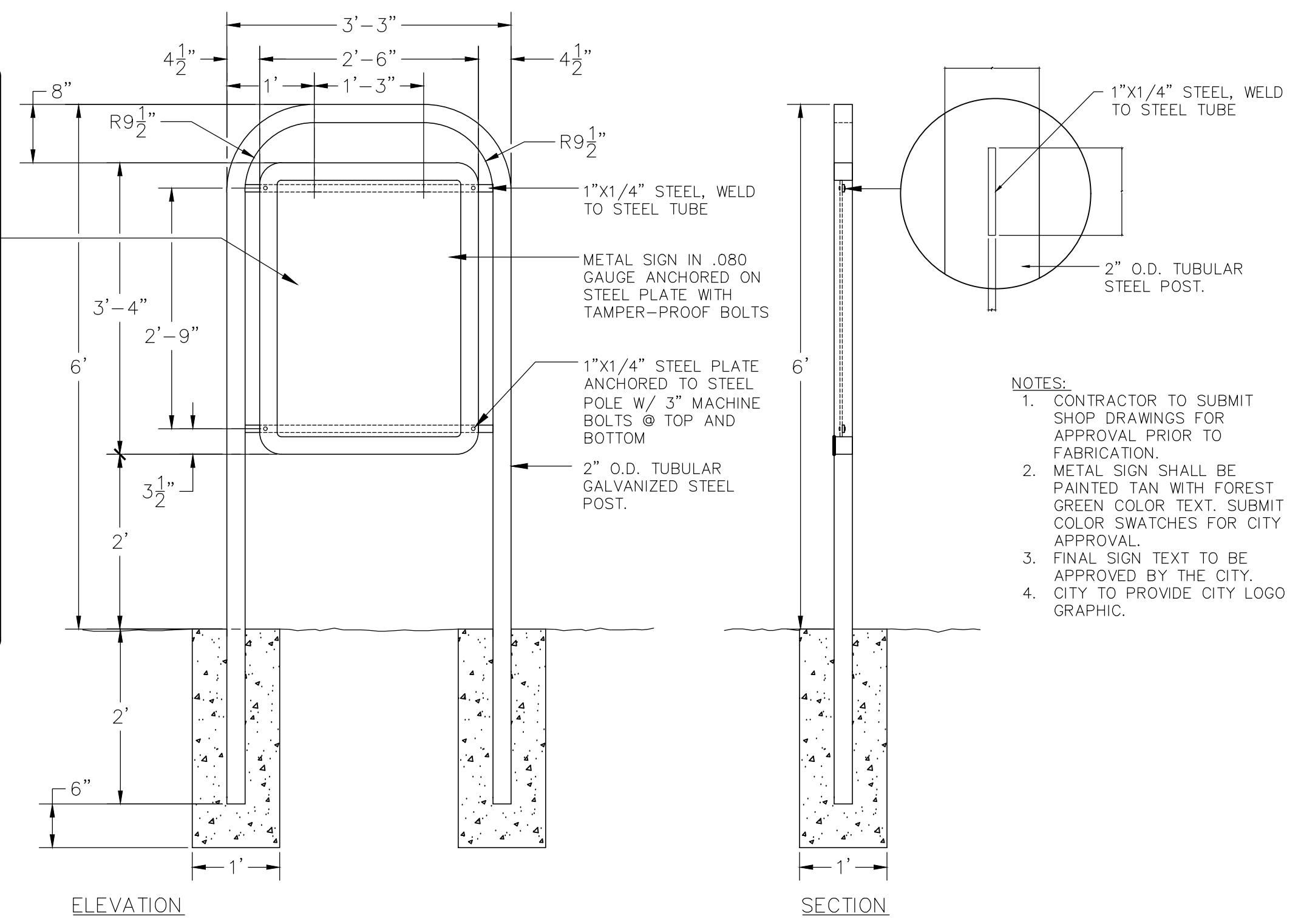
**1** **PUMP TRACK 70/30 CLAY MIX W/ STABILIZER**  
NOT TO SCALE



- NOTES:**
- 95% COMPACTION ON AGGREGATE BASE
  - 90% COMPACTION ON SUB-GRADE
  - SOFT SHOULDER ON AGGREGATE BASE (NO EDGINGS)
  - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.

**DAVIS PUMP TRACK RULES**

1. RIDE AT YOUR OWN RISK. THE PARK IS A NON-SUPERVISED FACILITY.
2. THE PARK MAY ONLY BE USED FOR NON-MOTORIZED BICYCLES. PROTECTIVE EQUIPMENT SHOULD BE USED AT ALL TIMES.
3. USE OF THIS BICYCLE PUMP TRACK MAY EXPOSE THE RIDER TO SERIOUS INJURY INCLUDING, BUT NOT LIMITED TO, BROKEN BONES, PARALYSIS, OR EXHAUSTION.
4. THE PARK WILL BE OPEN FROM DAWN TO DUSK. CITY OF DAVIS, CA "NO TRESPASSING" ORDINANCE WILL BE ENFORCED AFTER PARK IS CLOSED.
5. AMPLIFIED MUSIC PERMIT REQUIRED.
6. NO RIDING WHEN WET OR RAINY.
7. NO LITTERING OR GRAFFITI. PLEASE PUT TRASH IN DESIGNATED TRASH RECEPTACLES.
8. THE PARK IS A DRUG-FREE RECREATION AREA.
9. BE COURTEOUS TO OTHER PEOPLE USING THE PUMP TRACK AND ALL OTHER PARK PATRONS.
10. COMPETITIVE OR DEMONSTRATION EVENTS REQUIRE SPECIAL APPROVAL CONTACT PARKS DEPARTMENT.
11. GATES SHALL REMAIN CLOSED AT ALL TIMES.
12. IN CASE OF EMERGENCY DIAL 911.



**6** **PARK SIGNAGE**  
NOT TO SCALE

**4** **CLASS 2 AGGREGATE BASE CONSTRUCTION ENTRANCE**  
NOT TO SCALE

Revision	By	Appd	YYYY.MM.DD
3			2019.03.01
2			2019.02.06
1			2018.09.06

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CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

File Name: 222011228\_7\_0\_DETAILS JM/CL MM MM 2019.03.01  
Dwn. Dgn. Chk. YYYY.MM.DD

Title

PUMP TRACK DETAILS

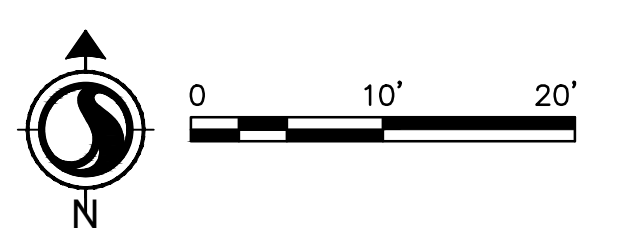
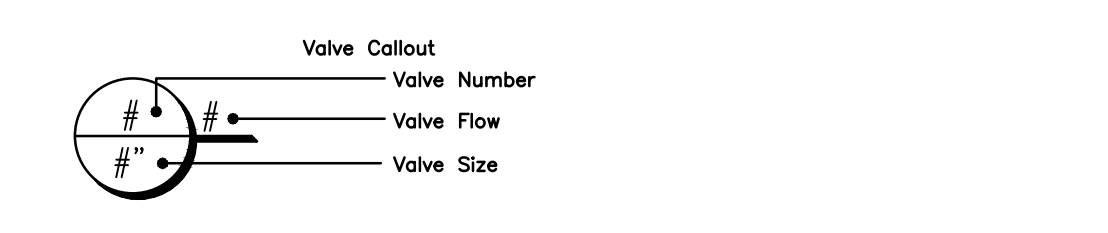
Project No.	Scale
222011228	
Revision Sheet	Drawing No.
1 10 of 17	C7.0





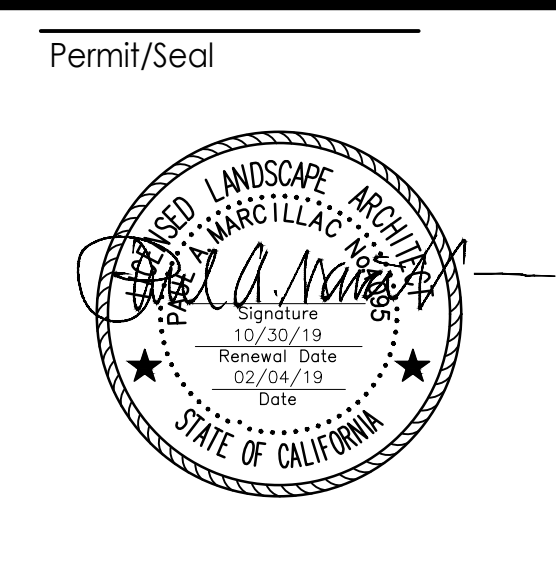
### IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER I-40-06-SS TURF ROTOR, 6.0\"/>
	RAIN BIRD XCZ-150-LCDR HIGH FLOW CONTROL ZONE KIT, FOR LARGE COMMERCIAL DRIP ZONES. 1-1/2\"/>
	AREA TO RECEIVE DRIPLINE NETAFIM TLHCVXR-053-12 TECHLINE HCVXR PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE AND ANTI-SIPHON FEATURE. 0.53 GPH EMITTERS AT 12\"/>
	AREA TO RECEIVE DRIPLINE NETAFIM TLHCVXR-053-24 TECHLINE HCVXR PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE AND ANTI-SIPHON FEATURE. 0.53 GPH EMITTERS AT 24\"/>
	RAIN BIRD 44-LRC 1\"/>
	PVC BALL VALVE SCHEDULE 80 PVC BALL VALVE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION.
	LEEMCO LB SERIES PIPE TO PIPE TEE RESTRAINT AT EXISTING MAINLINE TIE IN.
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21
	IRRIGATION MAINLINE: SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40 PIPE SLEEVE SIZE SHALL 2 X THE DIAMETER OF ALL PIPE AND WIRING BEING SLEEVED. EXTEND SLEEVES 12 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.



Revision	By	Appd	YYYY.MM.DD

Issue	By	Appd	YYYY.MM.DD
3			2019.03.01
2			2019.02.06
1			2018.09.06



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Client/Project Logo

Client/Project  
 CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

File Name: 222011228\_IRRIGATION PLAN  
 Dwn. Dsgn. Chkd. 2019.03.01

Title  
 IRRIGATION PLAN

Project No. 222011228  
 Scale 1" = 10'-0"

Revision Sheet 1 of 17  
 Drawing No. L1.0

C

B

A

IRRIGATION CALCULATIONS

THE MAXIMUM APPLIED WATER ALLOWANCE SHALL BE CALCULATED USING THE FOLLOWING FORMULA:

MAWA = (Eto)(0.62)[(ETAF X LA) + (1-(ETAF) X SLA)]
MAWA = MAXIMUM APPLIED WATER ALLOWANCE
Eto = REFERENCE EVAPOTRANSPIRATION (INCHES PER YEAR)
0.62 = CONVERSION FACTOR (TO GALLONS PER SQUARE FOOT)
ETAF = 0.45 FOR NON-RESIDENTIAL AREAS, 0.55 FOR RESIDENTIAL AREAS
LA = LANDSCAPED AREA INCLUDES SPECIAL LANDSCAPE AREA (SQUARE FEET)
SLA = PORTION OF LANDSCAPE AREA IDENTIFIED AS SPECIAL LANDSCAPE AREA (SQUARE FEET)

MAWA = (52.5 IN/YR)(0.62)[(0.45 X 5,572 SF) + (0.55 X 0 SF)] = 81,616 GALLONS PER YEAR

THE ESTIMATED TOTAL WATER USE (ETWU) SHALL BE CALCULATED USING THE FOLLOWING FORMULA:

ETWU = (Eto)(0.62)(ETAF)(AREA)
ETWU = ESTIMATED TOTAL WATER USE PER YEAR (GALLONS PER YEAR)
Eto = REFERENCE EVAPOTRANSPIRATION (INCHES PER YEAR)
0.62 = CONVERSION FACTOR (TO GALLONS PER SQUARE FOOT)
ETAF = PLANT FACTOR DIVIDED BY IRRIGATION EFFICIENCY (PF/IE)
AREA = HYDROZONE AREA (SQUARE FEET)
PF = PLANT FACTOR FROM WUCOLS
IE = IRRIGATION EFFICIENCY (MINIMUM 0.71)

WATER EFFICIENT LANDSCAPE WORKSHEET

Table with columns: HYDRO-ZONE, Eto, PF, IE, ETAF (PF/IE), AREA (SQ. FT.), ETAF X AREA, ETWU. Includes sub-tables for Regular Landscape Areas and Special Landscape Areas.

HYDROZONE INFORMATION TABLE

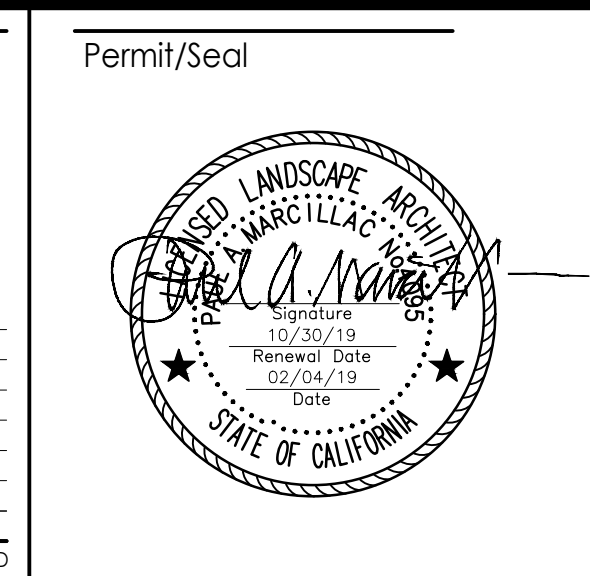
Table with columns: HYDROZONE, VALVE, IRRIGATION METHOD, PLANT TYPE, WATER USE, AREA (SQ. FT.), % OF LANDSCAPE. Lists zones A, A, and A with their respective valve and plant types.

IRRIGATION NOTES

- 1. WORK SHALL BE PERFORMED BY A CONTRACTOR WITH EITHER A CLASS "A" (GENERAL ENGINEERING) CONTRACTOR'S LICENSE OR C27 LANDSCAPING CONTRACTOR'S LICENSE. NO EXCEPTIONS.
2. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY. AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
3. ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING.
4. A MINIMUM OF TWO WORKING DAYS PRIOR TO PERFORMING ANY DIGGING, CALL UNDERGROUND SERVICE ALERT AT 1-800-642-2444 FOR INFORMATION ON THE LOCATION OF UNDERGROUND UTILITIES.
5. THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE WITH A MINIMUM STATIC WATER PRESSURE OF 40 PSI AT THE POINT OF CONNECTION. THE CONTRACTOR SHALL VERIFY THE POINT OF CONNECTION PRESSURE ON-SITE PRIOR TO INSTALLATION OF ANY IRRIGATION WORK. IF THERE IS A DISCREPANCY, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING SO ADJUSTMENTS CAN BE MADE.
6. THE IRRIGATION SYSTEM MAXIMUM FLOW RATE IS 40 GPM. THE CONTRACTOR SHALL PROGRAM THE AUTOMATIC CONTROLLER ACCORDING TO IRRIGATION WATERING SCHEDULE PROVIDED TO ALLOW FOR MULTIPLE VALVES TO RUN SIMULTANEOUSLY AND NOT EXCEED THE MAXIMUM FLOW RATE.
7. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR DIFFERENCES IN DIMENSIONS EXIST THAT MIGHT HAVE BEEN UNKNOWN DURING ENGINEERING.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES, GRADE DIFFERENCES, WALL, RETAINING WALLS, AND STRUCTURES.
9. INSTALL ALL PIPE AND CONTROL WIRES IN LANDSCAPE BEDS AND IN COMMON TRENCHES WHEREVER POSSIBLE.
10. ALL PIPING AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SEPARATE SCHEDULE 40 SLEEVES.
11. SLEEVES:
A. INSIDE DIAMETER OF SLEEVE SHALL BE A MINIMUM OF TWO (2) TIMES THE OUTER DIAMETER OF THE PIPE BEING SLEEVED.
B. ALL CONTROL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES.
C. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PAVING INSTALLATION FOR PROPER INSTALLATION OF SLEEVES.
D. BACKFILL FOR SLEEVES SHALL BE COMPACTED TO SPECIFIED DENSITY FOR THE SUBGRADE.
12. THE CONTRACTOR SHALL LAY OUT ALL WORK PRIOR TO TRENCHING OPERATIONS TO DETERMINE IF MINOR MODIFICATIONS WILL BE REQUIRED.
13. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES SO PROGRESS OF WORK IS NOT INTERRUPTED AND CAN BE COMPLETED IN A TIMELY MANNER.
14. HYDROSTATIC TESTING: PIPING SHALL BE COMPLETELY FLUSHED OF FOREIGN PARTICLES BEFORE ATTACHING IRRIGATION COMPONENTS.
15. OPERATIONAL TESTING: PERFORM OPERATIONAL TESTING AFTER HYDROSTATIC TESTING IS COMPLETED.
16. MAINTAIN A MINIMUM CLEARANCE OF FIVE FEET BETWEEN ALL MAIN LINES AND TREES.
17. ALL PIPING, RCV'S AND QCV'S SHALL BE INSTALLED IN PLANTING AREAS (PIPING MAY PASS UNDER PAVING AS REQUIRED).
18. SEE IRRIGATION DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
19. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
20. ALL ELECTRICAL WIRE FROM CONTROLLER TO VALVES SHALL BE 14 GAUGE UL DIRECT BURIAL OR LARGER AS REQUIRED BY LENGTH PER MANUFACTURER'S SPECIFICATIONS.
21. CHECK VALVES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS TO ELIMINATE LOW HEAD DRAINAGE.
22. INSTALLATION AND PERFORMANCE OF APPROVED SUBSTITUTIONS ARE THE CONTRACTOR'S RESPONSIBILITY.
23. CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE.
24. FOR VALVES 2 & 3, USE "ADD-A-ZONE+" OR EQUAL AND CONNECT TO TWO AVAILABLE STATIONS AT EXISTING CONTROLLER.

Revision table with columns: Revision, By, Appd, YYYY.MM.DD. Includes entries for 100% CONSTRUCTION DRAWINGS and 90% CONSTRUCTION DRAWINGS.

Table with columns: Issued, By, Appd, YYYY.MM.DD. Includes entry for 90% CONSTRUCTION DRAWINGS.



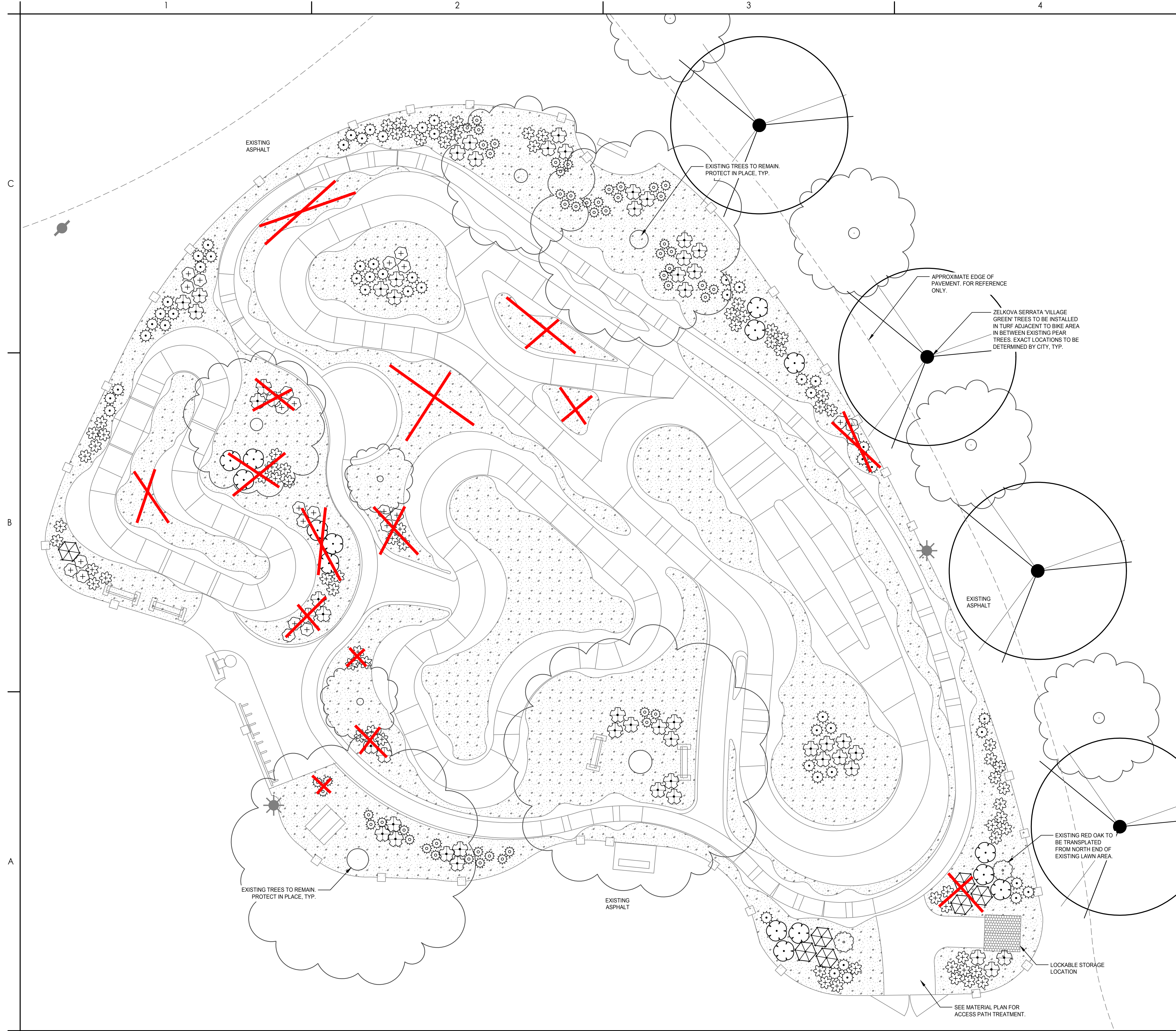
Consultant

Stantec logo and contact information: Stantec Consulting Services Inc., 9179 Aero Drive, San Diego, CA 92123.

Client/Project Logo: Davis California logo featuring a bicycle.

Client/Project: CITY OF DAVIS, DAVIS COMMUNITY PARK PUMP TRACK, Davis, California.

Title: IRRIGATION CALCULATIONS & NOTES. Project No. 222011228. Scale: NO SCALE. Revision 1 of 12. Drawing No. L1.1.

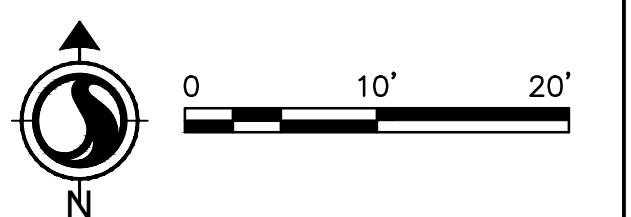


**PLANT LEGEND**

TREES	BOTANICAL NAME	COMMON NAME	CONT	SIZE HXW	WATER	QTY
	EXISTING TREE TO REMAIN OR TO BE RELOCATED PER PLANS.	-	-	-	-	PER PLAN
	ZELKOVA SERRATA 'VILLAGE GREEN'	SAWLEAF ZELKOVA	15 GAL	50'X40'	MEDIUM	4
SHRUBS	BOTANICAL NAME	COMMON NAME	CONT	SIZE HXW	WATER	QTY
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA	1 GAL	2.5'X2.5'	LOW	40
	CEANOTHUS MARITIMUS 'VALLEY VIOLET'	MARITIME CEANOTHUS	5 GAL	3'X5'	LOW	15
	LOMANDRA 'ROMA13' PLATINUM BEAUTY	VARIEGATED DWARF MAT RUSH	1 GAL	3'X3'	LOW/MEDIUM	75
	MUHLENBERGIA DUBIA	PINE MUHLY	1 GAL	3'X3'	LOW/MEDIUM	45
	SESLERIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL	2'X2'	MEDIUM	45
	TEUCRIUM CHAMAEDRYIS 'NANUM'	CREeping GERMANDER	1 GAL	1'X2'	LOW	18
	TEUCRIUM FRUTICANS 'AZUREUM'	AZURE BUSH GERMANDER	5 GAL	4'X4'	LOW	4
GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT	SIZE HXW	WATER	QTY
	BARK MULCH INSTALL 3" DEPTH BARK MULCH.	-	-	-	-	10,057 SF

**PLANTING NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY PLANT QUANTITIES FROM LANDSCAPE PLAN. QUANTITIES ARE PROVIDED FOR REFERENCE ONLY.
- ALL LOCAL CODES AND ORDINANCES SHALL BE COMPLIED WITH. IF THERE IS A CONFLICT, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IN WRITING.
- NO PLANTING SHALL BE STARTED UNTIL FINISH GRADING AND IRRIGATION SYSTEM HAVE BEEN COMPLETED AND APPROVED BY THE OWNER.
- IMMEDIATELY UPON AWARD, CONTRACTOR SHALL SECURE PLANT MATERIALS AS SPECIFIED AND CONTACT THE OWNER FOR APPROVED SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIALS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN THE EVENT OF PLANT UNAVAILABILITY IMMEDIATELY. ANY SUBSTITUTIONS MUST BE REQUESTED IN WRITING AND SUBMITTED TO THE OWNER FOR APPROVAL WITHIN 30 DAYS AFTER AWARD OF CONTRACT.
- NOTIFY THE OWNER IF SUBSURFACE WATER IS ENCOUNTERED DURING PLANT PIT EXCAVATION.
- AFTER PLANTING IS COMPLETE AND AREAS HAVE BEEN FINE GRADED, SPREAD BARK MULCH TO A DEPTH OF THREE INCHES (3") MINIMUM IN ALL PLANTER BEDS. APPLY GRANULAR PRE-EMERGENT, AS PER SPECIFICATIONS TO ALL PLANTER BEDS BEFORE MULCH TOP-DRESS IS SPREAD. ADDITIONAL FERTILIZER AND PRE-EMERGENT TO BE APPLIED AT END OF MAINTENANCE PERIOD.
- BARK MULCH SHALL LARGE CHUNK BARK (3/4" TO 2" IN SIZE) AND SHALL BE FREE OF FIBROUS PIECES, SOIL, STONES, STICKS, DEBRIS OR OTHER FOREIGN MATTER UNDER EXISTING TREE DRIP LINES WHERE POSSIBLE AND AS DIRECTED BY CITY.
- PLANTING TABLETS ARE TO BE 7 GRAM GRO-POWER TYPE OR EQUAL APPLIED AT THE FOLLOWING RATE:  
  - THREE (3) TABLETS PER ONE GALLON CONTAINER.
  - SIX (6) TABLETS PER FIVE GALLON CONTAINER.
  - TWELVE (12) TABLETS PER FIFTEEN GALLON TREE.
- CONTRACTOR SHALL SUBMIT A SOIL SAMPLE OF EXISTING SITE SOIL AND HAVE THE SAMPLE ANALYZED BY A REPUTABLE FIRM FOR REQUIRED SOIL AMENDMENTS.
- THE CONTRACTOR SHALL MAINTAIN ALL LANDSCAPE AREAS FOR A MINIMUM PERIOD OF NINETY (90) CALENDAR DAYS.
- MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: WATERING, WEEDING, TRIMMING, FERTILIZING, SPRAYING INSECT AND PEST CONTROLS, REPLACEMENT OF DAMAGED OR DYING PLANT MATERIAL, LITTER AND TRASH REMOVAL.
- ALL LANDSCAPED AREAS SHALL HAVE A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 30%. IF LANDSCAPE AREA EXCEEDS 30% SLOPE, INSTALL JUTE MESH SLOPE STABILIZATION.
- ALL PLANT MATERIALS SHALL MEET SIZE SPECIFICATIONS AS SHOWN ON THE DETAILS OF THESE PLANS.
- THE LOCATIONS OF SHRUBS SHALL BE ADJUSTED IN THE FIELD TO ACCOMMODATE EXISTING UTILITIES, LIGHTS, SPRINKLERS, ETC.
- THE OWNER SHALL BE RESPONSIBLE FOR THE LONG TERM MAINTENANCE OF THIS PROJECT.
- EXCAVATED PLANT PITS SHALL HAVE POSITIVE DRAINAGE. PLANT PITS WHEN FULLY FLOODED WITH WATER SHALL DRAIN WITHIN ONE HOUR AFTER FILLING. THE CONTRACTOR SHALL EXCAVATE THROUGH ANY IMPERVIOUS CLAY LAYER, IF ENCOUNTERED.
- SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL OBTAIN SOIL SAMPLE AND SEND TO APPROVED LAB FOR SOIL AMENDMENT RECOMMENDATIONS. CONTRACTOR SHALL AMEND PER SOILS REPORT RECOMMENDATIONS.



Revision	By	Appd	YYYY.MM.DD	Issued	By	Appd	YYYY.MM.DD
3			2019.03.01				
2			2019.02.06				
1			2018.09.06				

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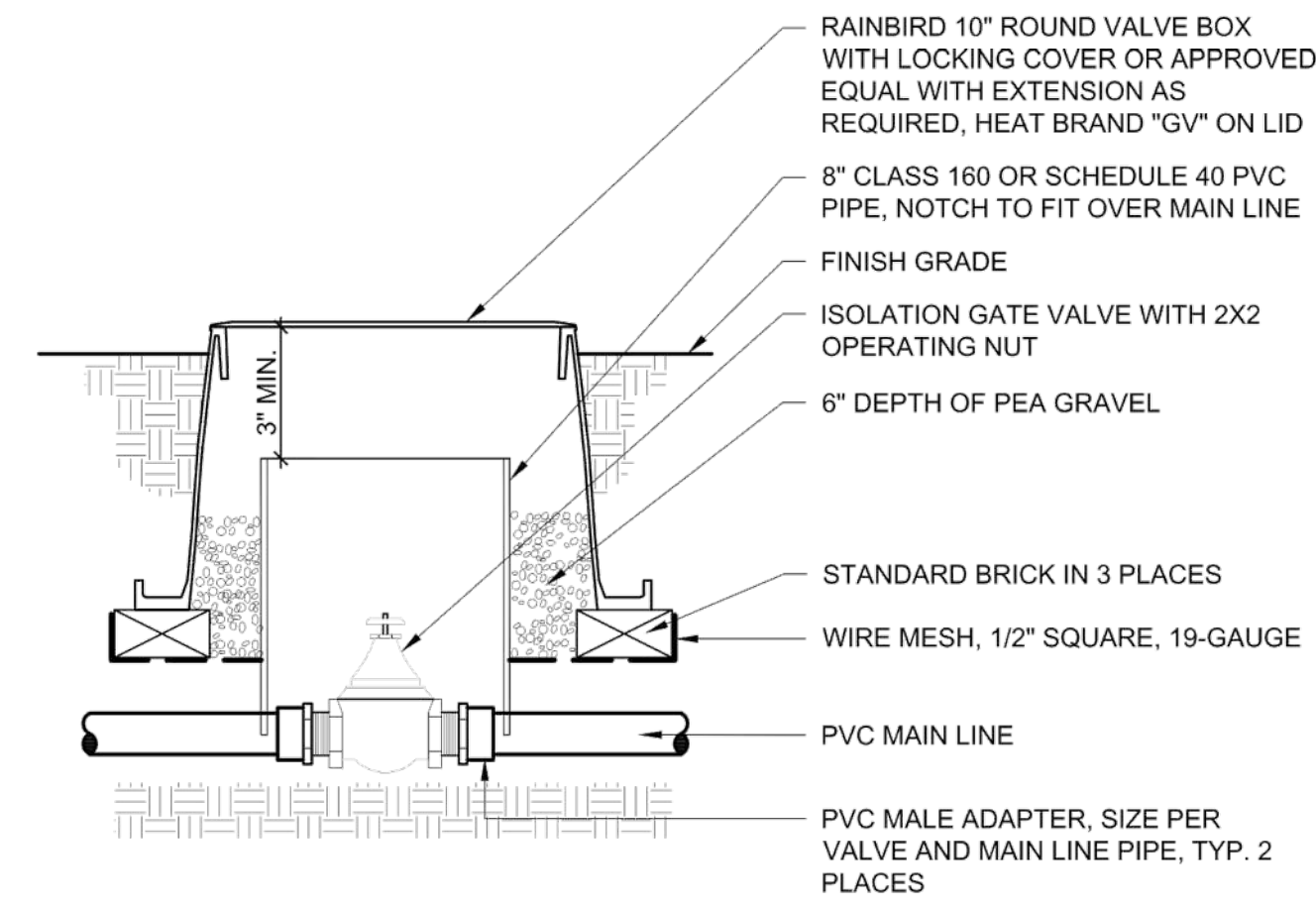
Davis, California

File Name: 222011228\_PLANTING PLAN  
Dwn. Dsgn. Chkd. 2019.03.01  
YYYY.MM.DD

Title  
PLANTING PLAN

Project No. 222011228  
Revision Sheet 1 of 13

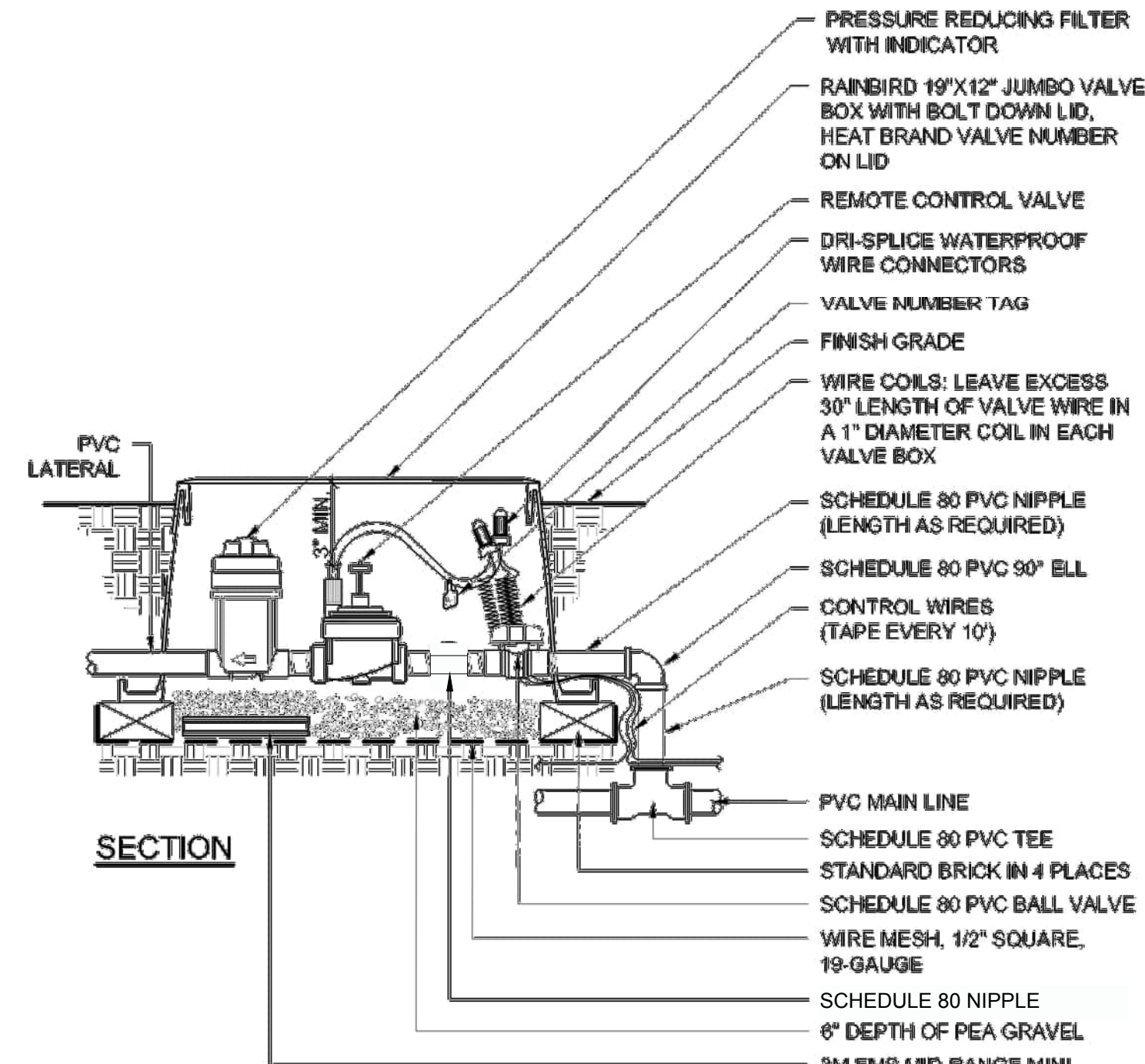
Scale  
1" = 10'-0"  
Drawing No. L2.0



SECTION

- NOTES:
1. INSTALL GATE VALVES A MINIMUM OF 24" FROM STRUCTURES.
  2. INSTALL TRIANGULAR BOX AND LID FOR NON-POTABLE APPLICATIONS. INSTALL CHRISTY GOS CONCRETE BOX AND IRON LID IN HARDSCAPE.
  3. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
  4. VALVE BOX SHALL BE INSTALLED 3" ABOVE FINISH GRADE IN MULCH AREAS, AND 1" ABOVE FINISH GRADE IN TURF AREAS.
  5. REFER TO SPECIFICATIONS AND PLAN SHEETS FOR MORE INFORMATION.

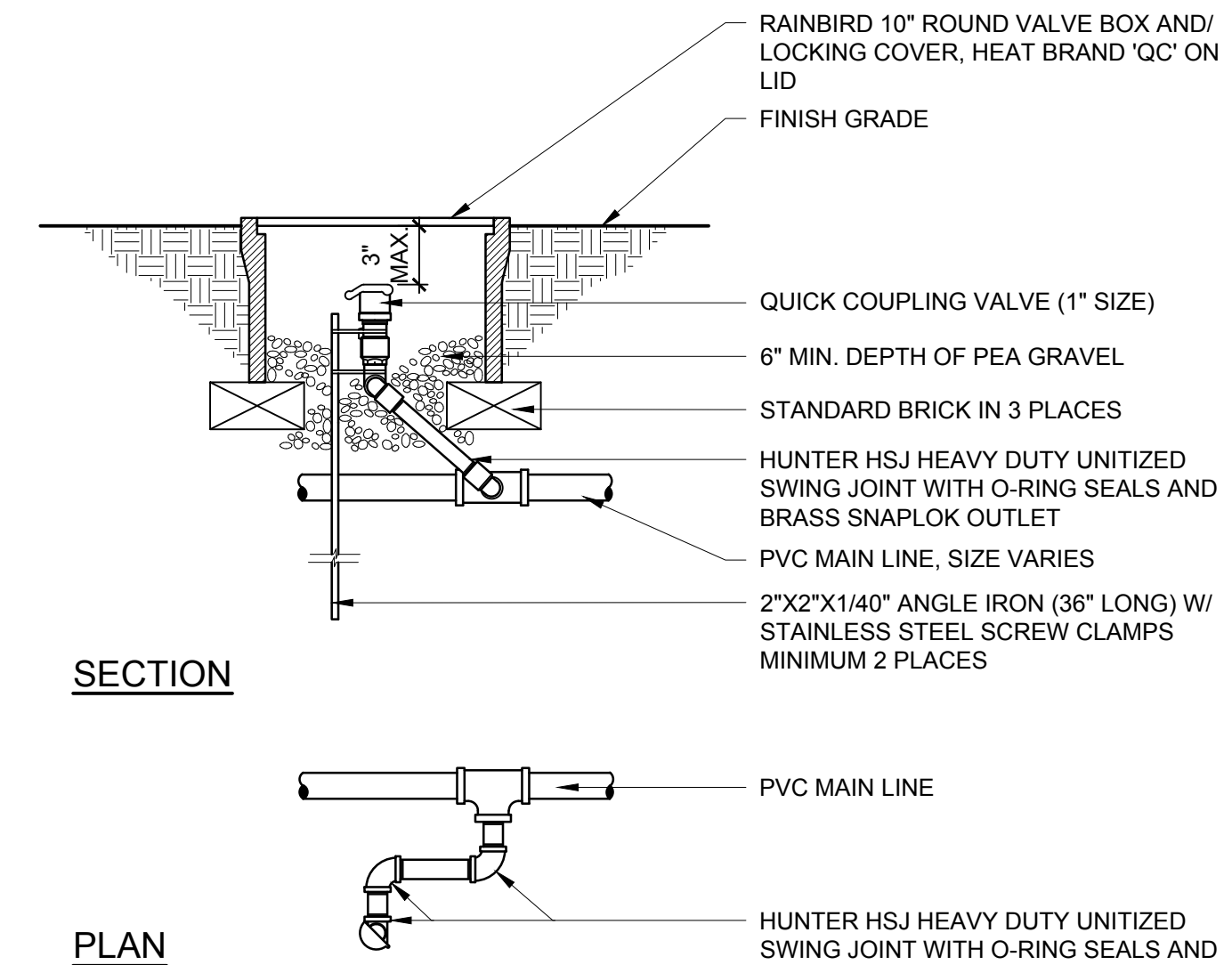
	<b>GATE VALVE - 2-1/2" AND SMALLER</b>		130
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	



SECTION

- NOTES:
1. ALL WIRE TO BE INSTALLED AS PER LOCAL CODE.
  2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
  3. ONLY ONE (1) RCV TO BE INSTALLED IN EACH VALVE BOX.
  4. VALVE BOX SHALL BE INSTALLED 3" ABOVE FINISH GRADE IN MULCH AREAS, AND 1" ABOVE FINISH GRADE IN TURF AREAS.

	<b>DRIP REMOTE CONTROL VALVE</b>		133
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	14 May 2016	

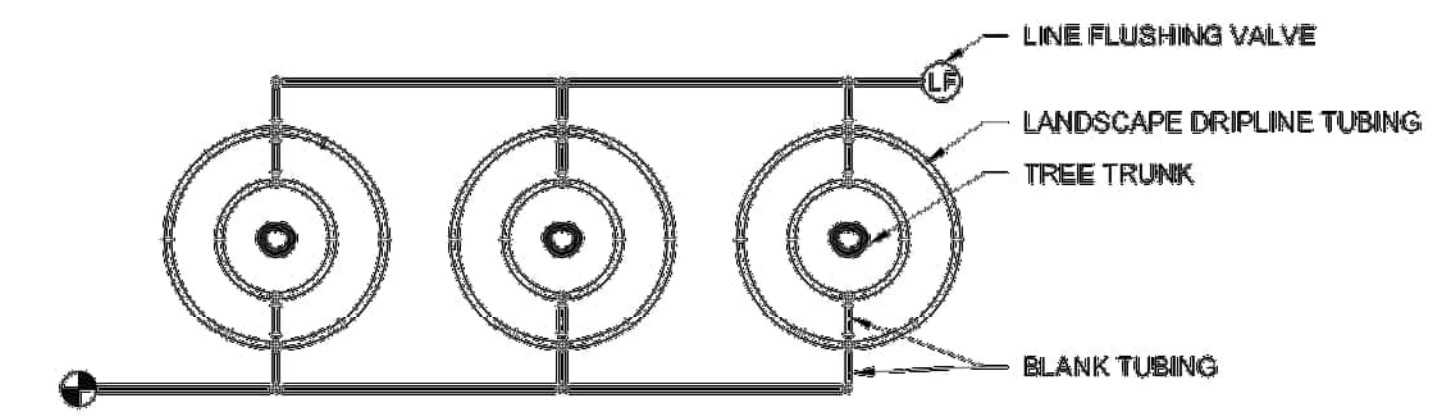


SECTION

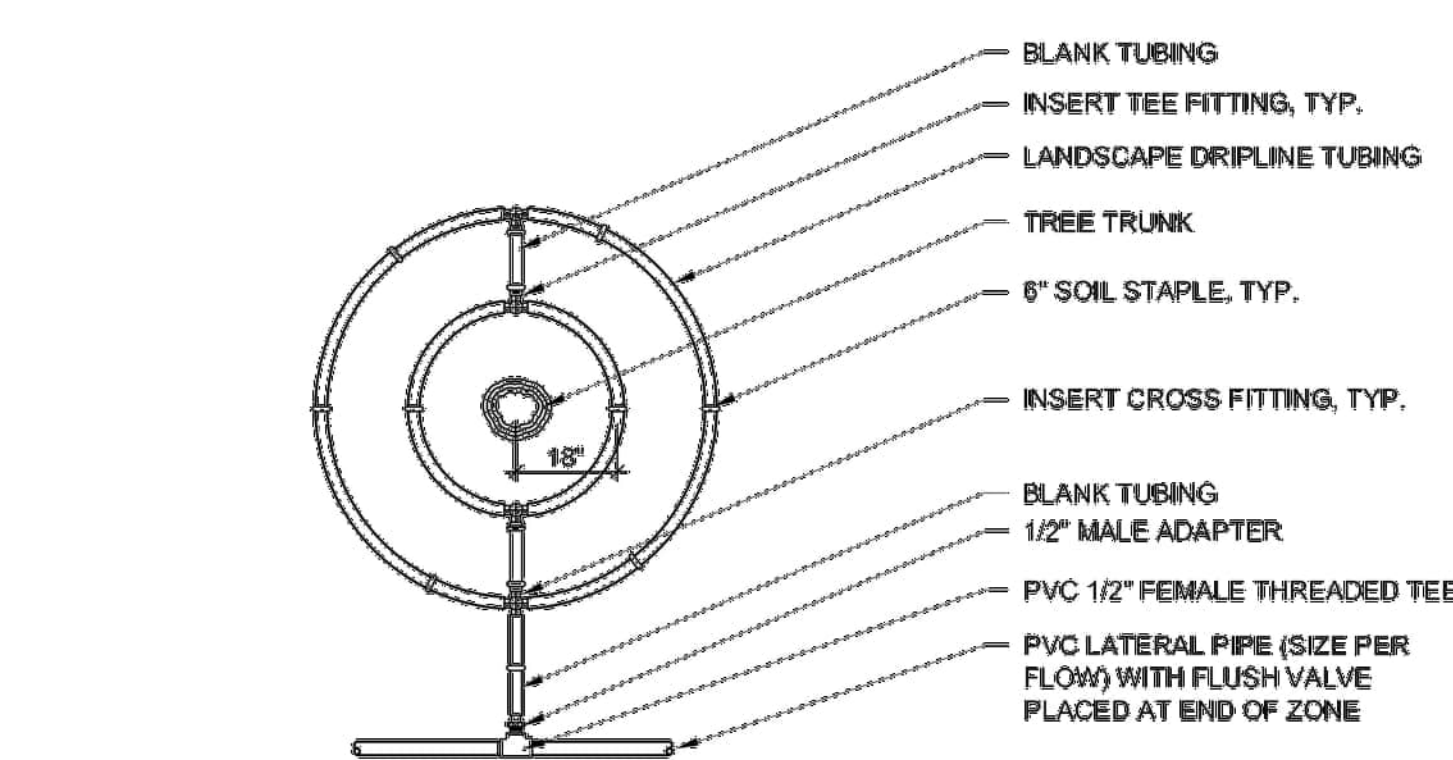
PLAN

- NOTES:
1. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
  2. VALVE BOX SHALL BE INSTALLED 3" ABOVE FINISH GRADE IN MULCH AREAS, AND 1" ABOVE FINISH GRADE IN TURF AREAS.
  3. PROVIDE ONE (1) QUICK COUPLER KEY PER EVERY FOUR (4) QUICK COUPLERS INSTALLED PER PROJECT.

	<b>QUICK COUPLING VALVE</b>		139
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	1 March 2019	



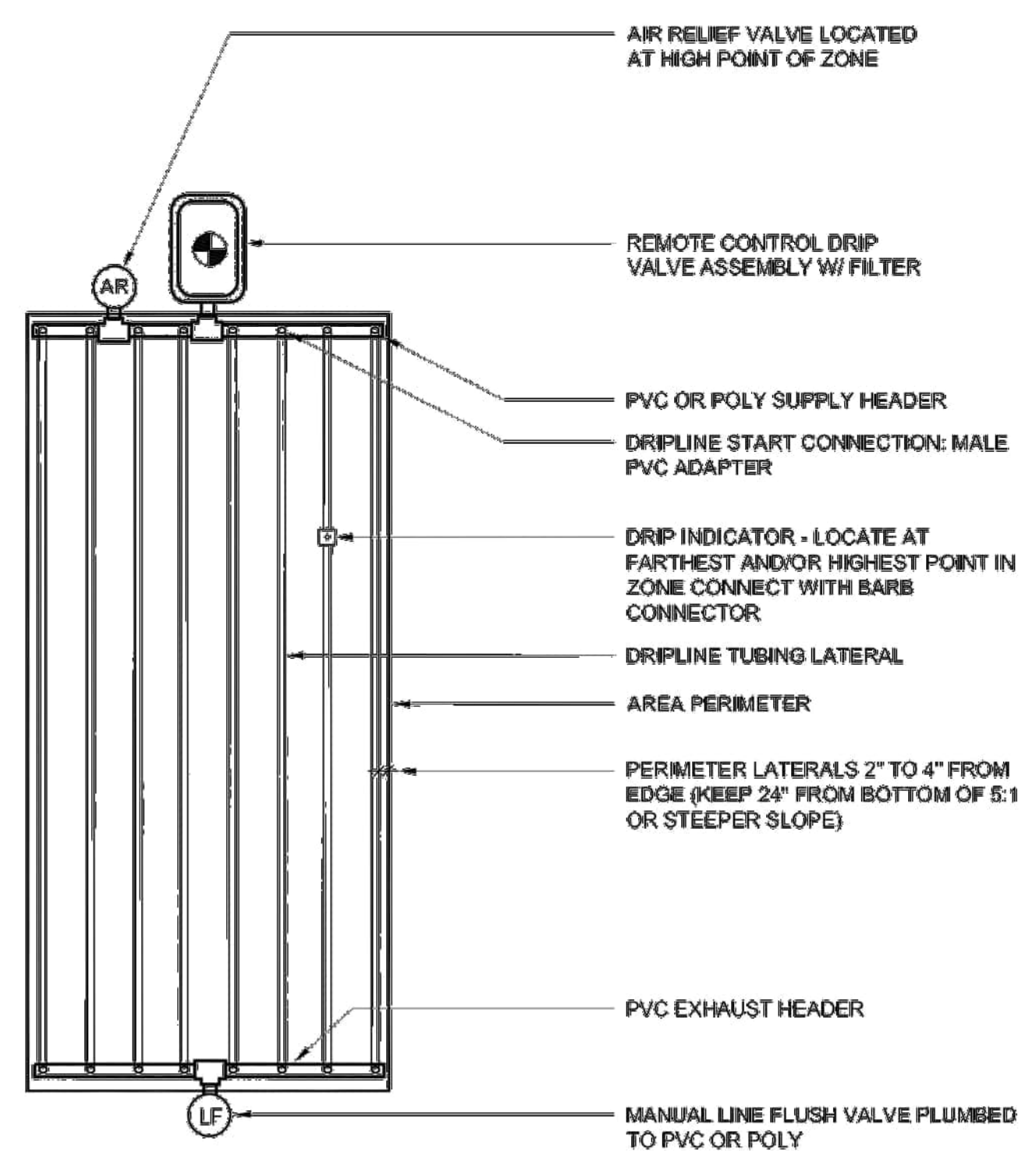
PLAN (MULTIPLE TREES)



PLAN (SINGLE TREE)

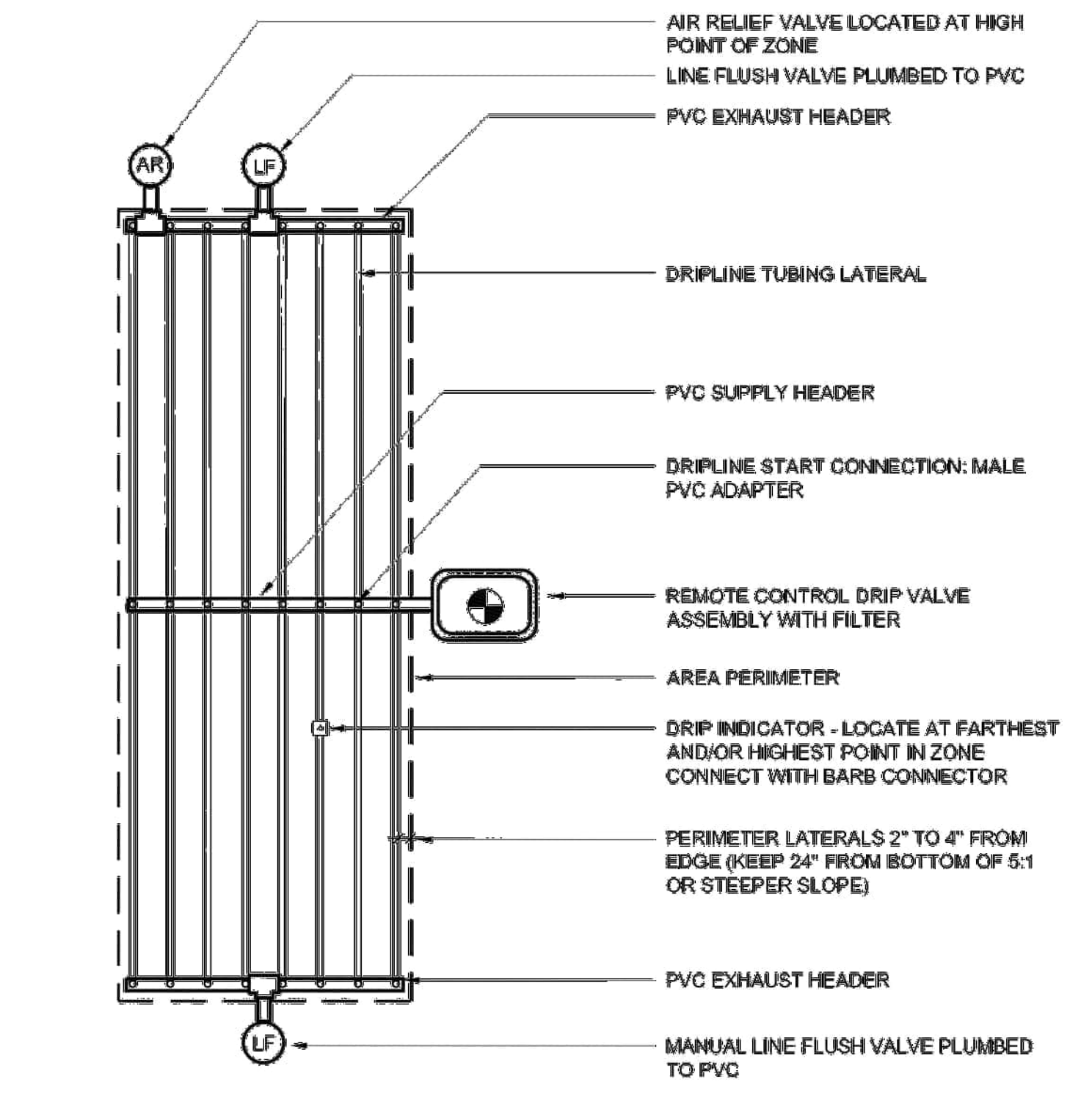
- NOTES:
1. INSTALL FIRST LOOP 18" FROM CENTER OF TREE TRUNK. INSTALL EACH ADDITIONAL LOOP PER DRIPLINE SPACING REQUIREMENTS IN IRRIGATION SCHEDULE.

	<b>DRIPLINE - TREE</b>		155
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	30 May 2016	



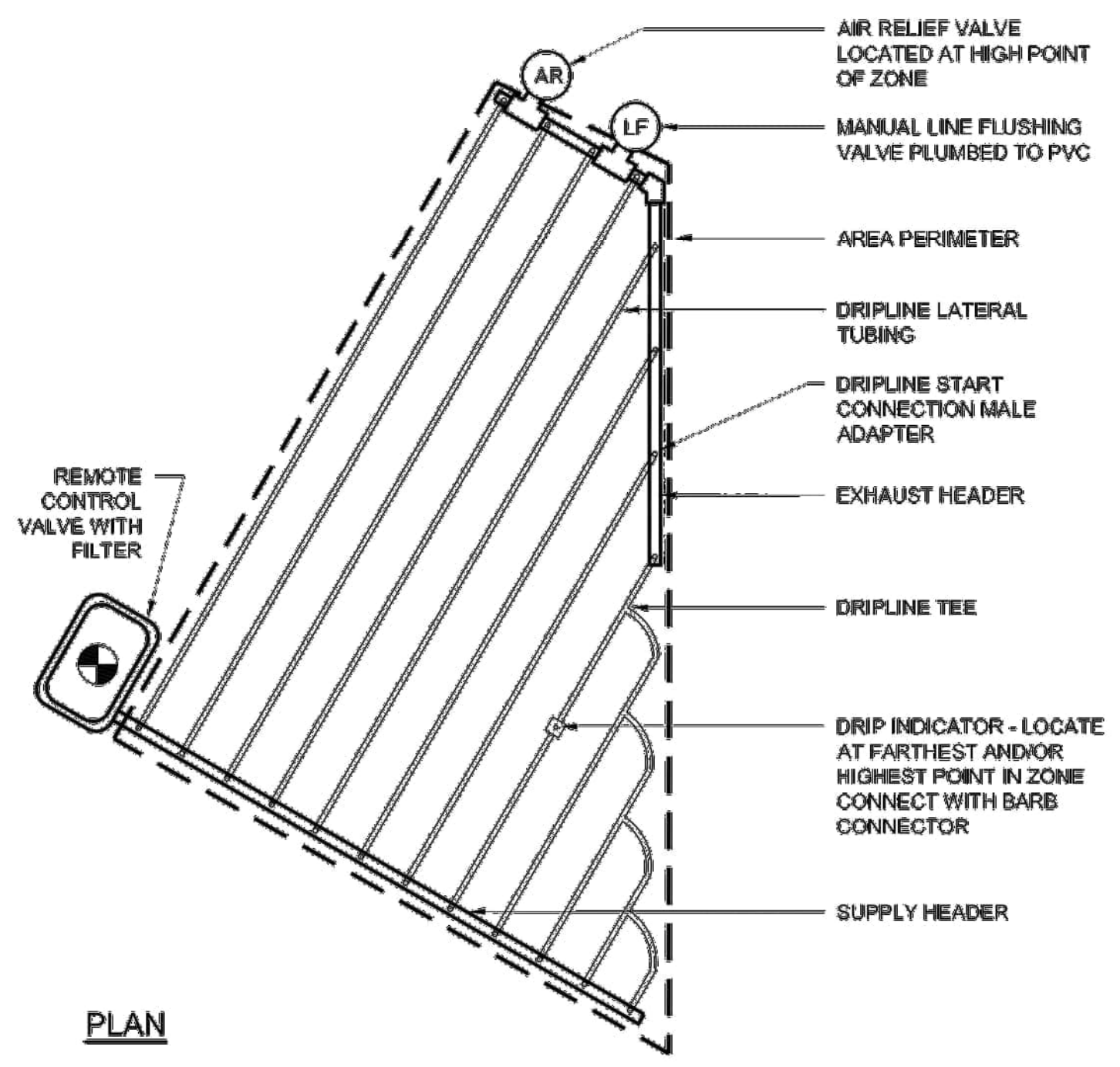
PLAN

	<b>DRIPLINE- END FEED LAYOUT</b>		150
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	



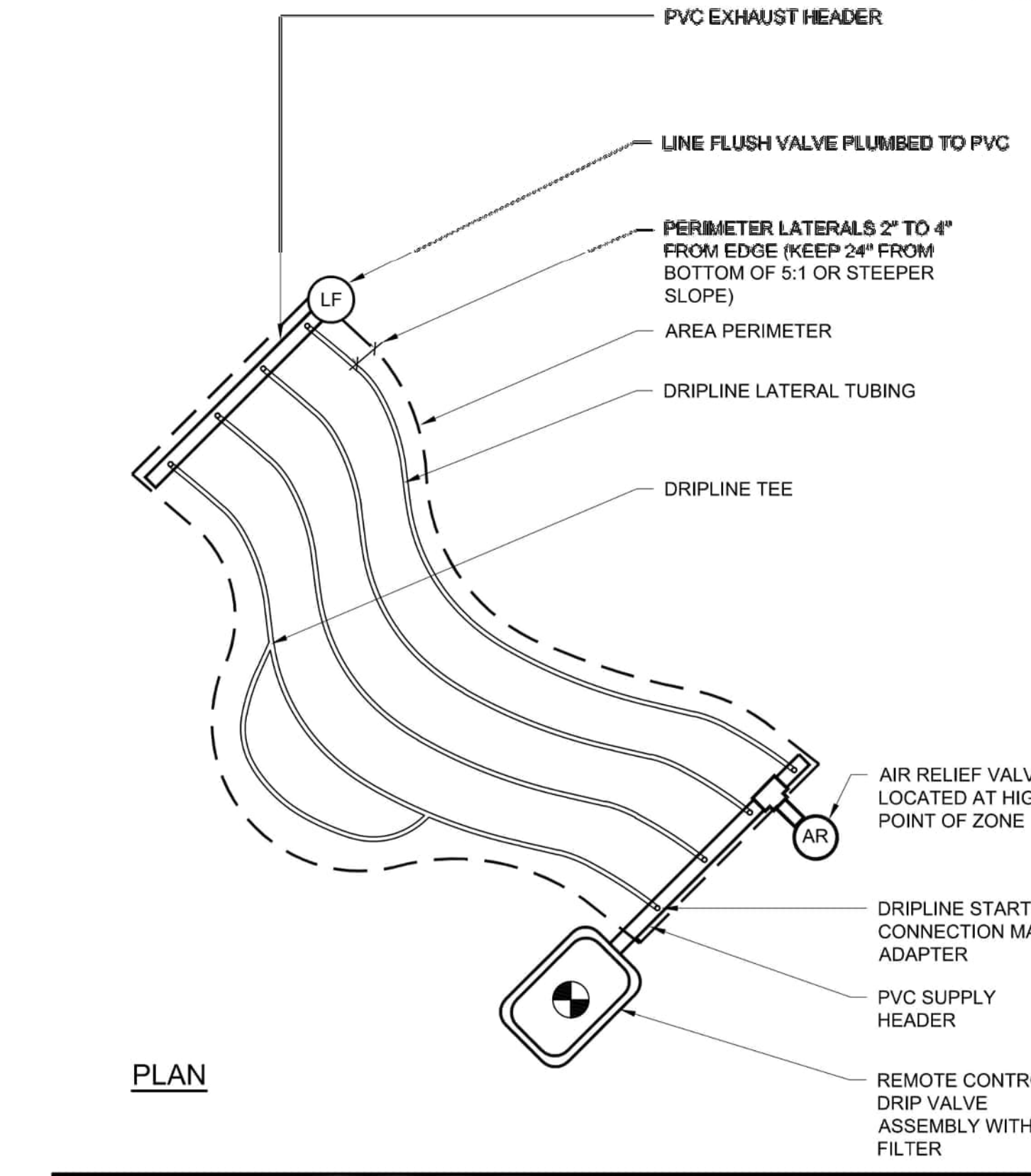
PLAN

	<b>DRIPLINE- MIDDLE FEED LAYOUT</b>		151
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	30 May 2016	



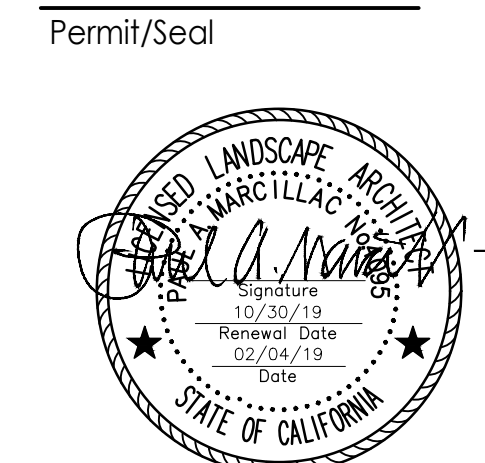
PLAN

	<b>DRIPLINE- TRIANGULAR LAYOUT</b>		152
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	30 May 2016	



PLAN

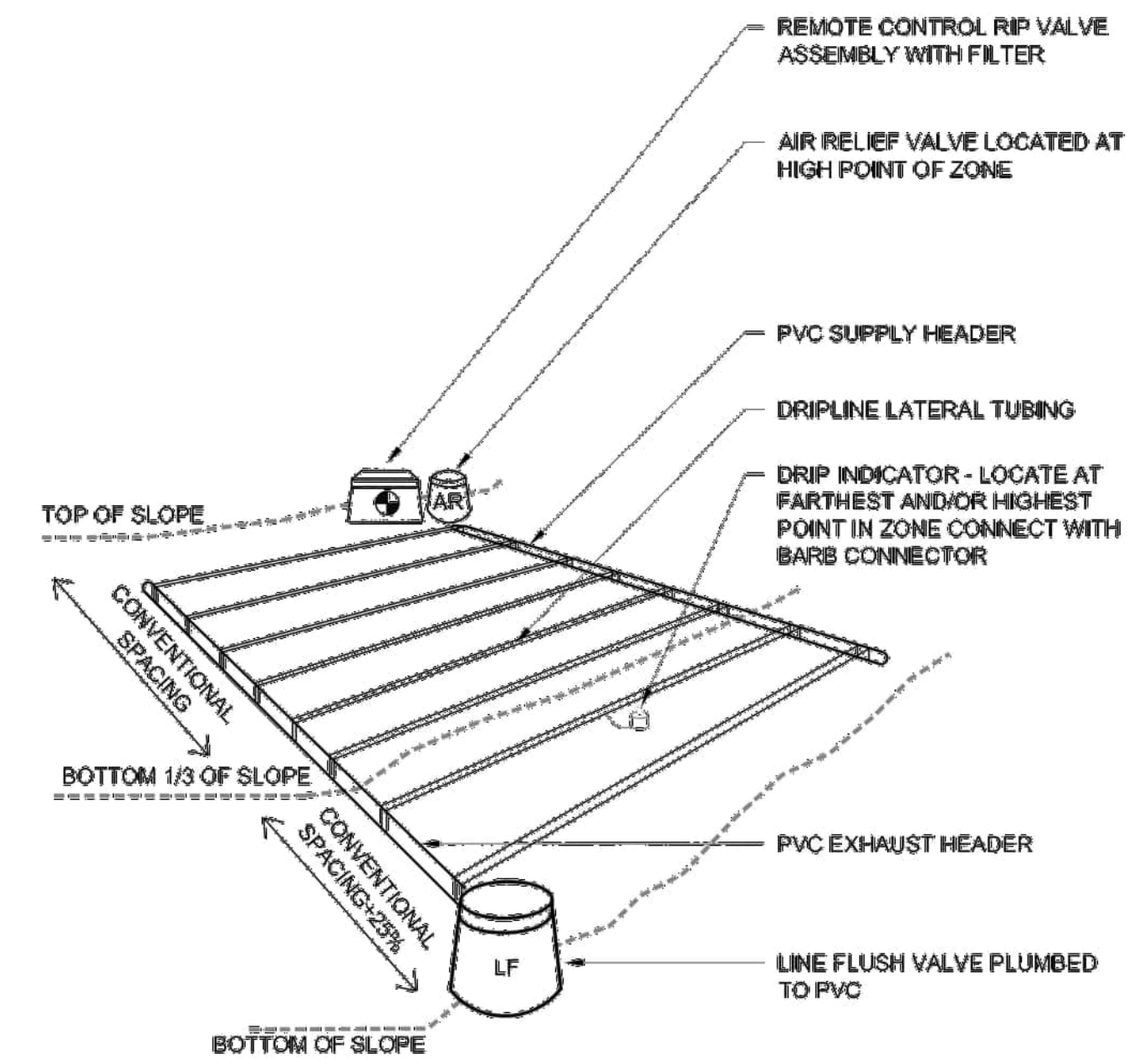
	<b>DRIPLINE- LAYOUT FOR CURVES</b>		153
	PARKS & COMMUNITY SERVICES	DALE SUMERELLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	



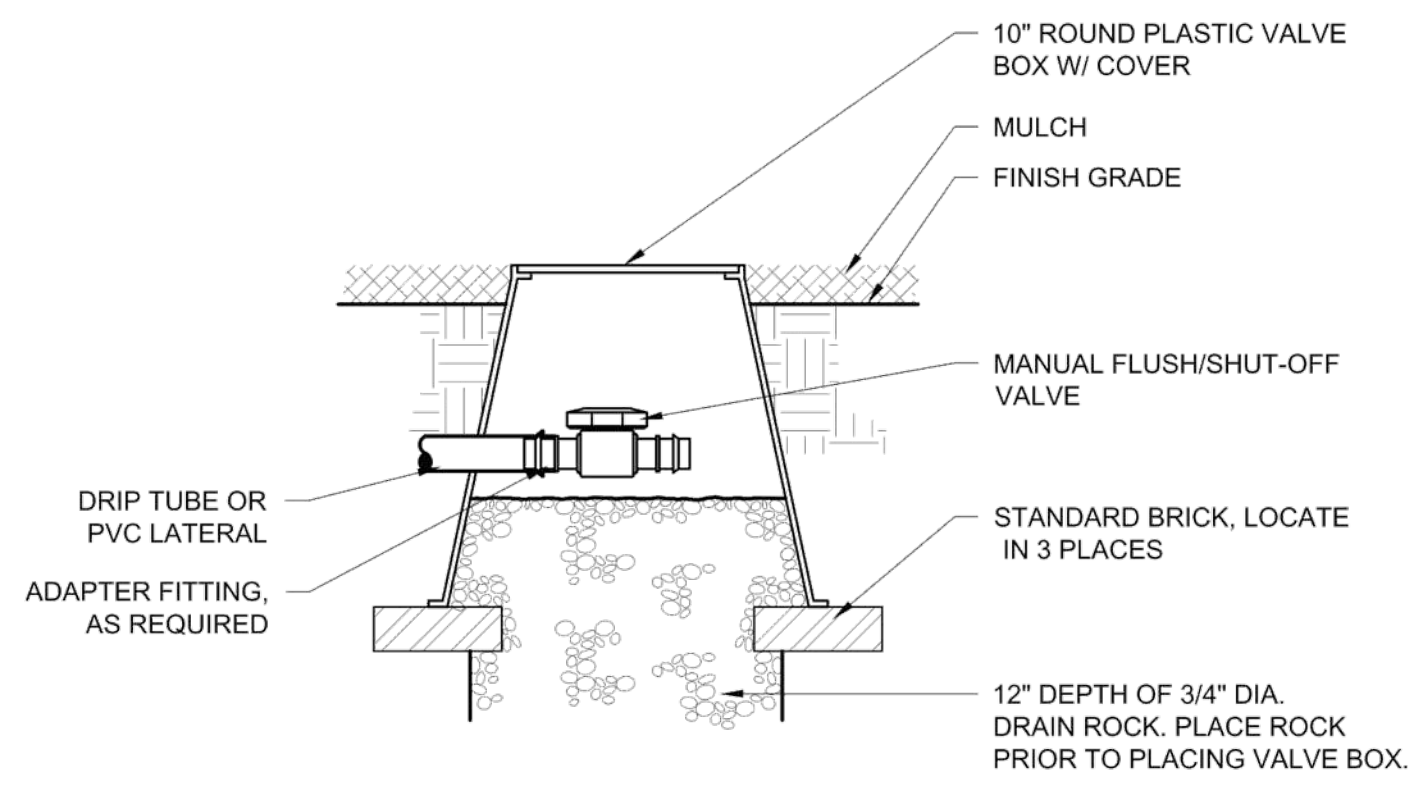
Client/Project  
CITY OF DAVIS  
  
DAVIS COMMUNITY PARK PUMP TRACK  
  
Davis, California  
File Name: 222011228.LANDSCAPE DETAILS JJ JJ PM 2019.03.01  
Dwn. Dsgn. Chkd. YYYY.MM.DD

Title  
LANDSCAPE DETAILS  
  
Project No. 222011228  
Revision Sheet 1 of 14  
Scale AS SHOWN  
Drawing No. L3.0

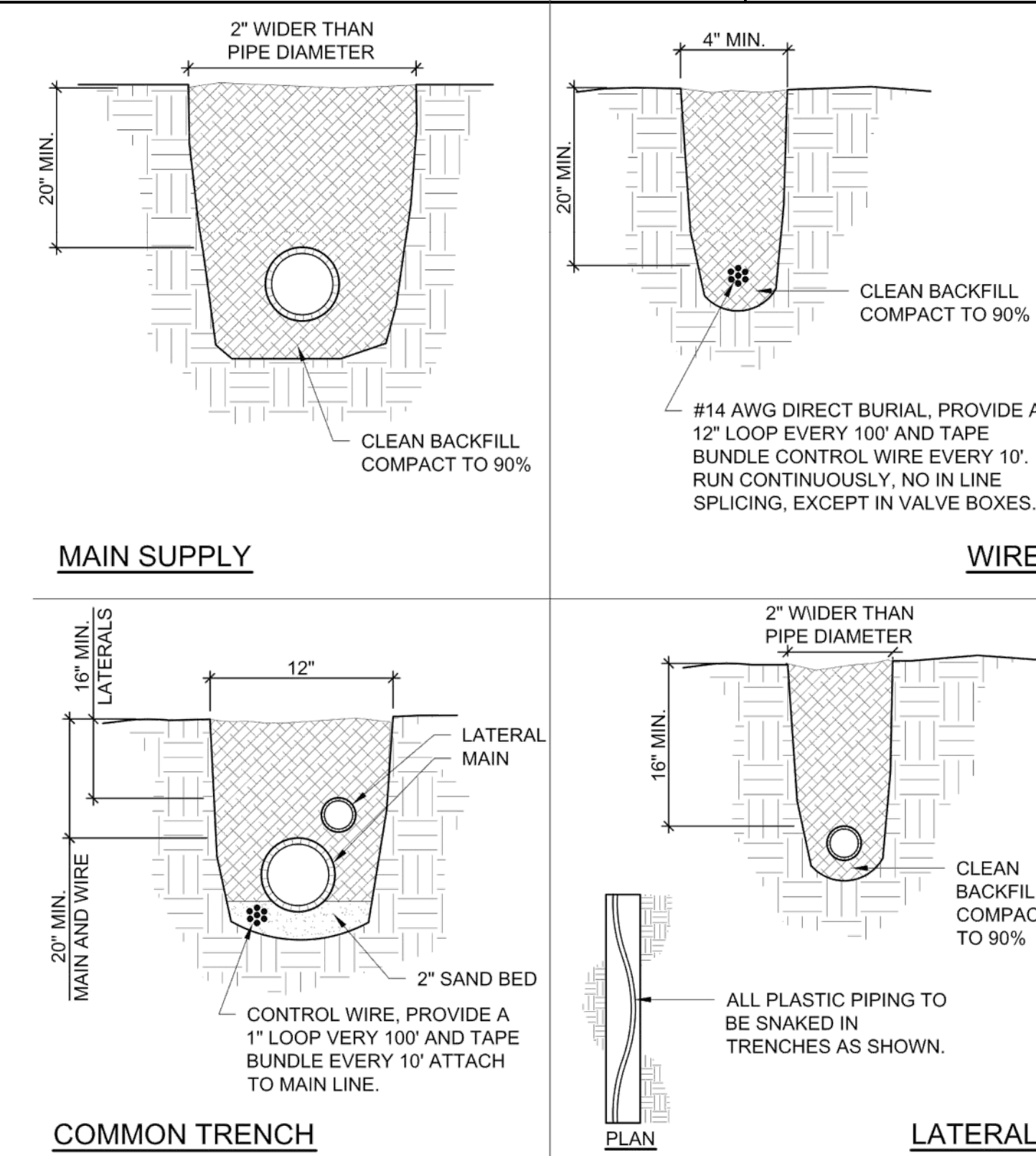
Revision	By	Appd	YYYY.MM.DD	Issued	By	Appd	YYYY.MM.DD
3			2019.03.01	ISSUE FOR BID			
2			2019.02.06	100% CONSTRUCTION DRAWINGS			
1			2018.09.06	90% CONSTRUCTION DRAWINGS			



NOTES:  
1. ALIGN DRIPLINE LATERALS PARALLEL TO THE CONTOURS OF THE SLOPE.



SECTION



COMMON TRENCH

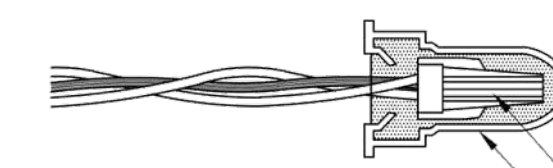
LATERAL



STEP 1: STRIP WIRES 1/2" FROM ENDS.



STEP 2: APPLY SPRING CONNECTOR OR SPEARS DRI-SPLICE DS-500 WIRE NUT IN A CLOCKWISE DIRECTION, TWISTING WIRE TOGETHER, CRIMP WIRES.



STEP 3: ALIGN WIRE NUT WINGS WITH ARROWS AND INSERT FULLY INTO SPEARS DRI-SPLICE DS-500 BODY. CHECK TO MAKE SURE CONNECTOR HAS BEEN PUSHED PAST LOCKING FINGERS AND IS SEATED AT BOTTOM OF BODY.

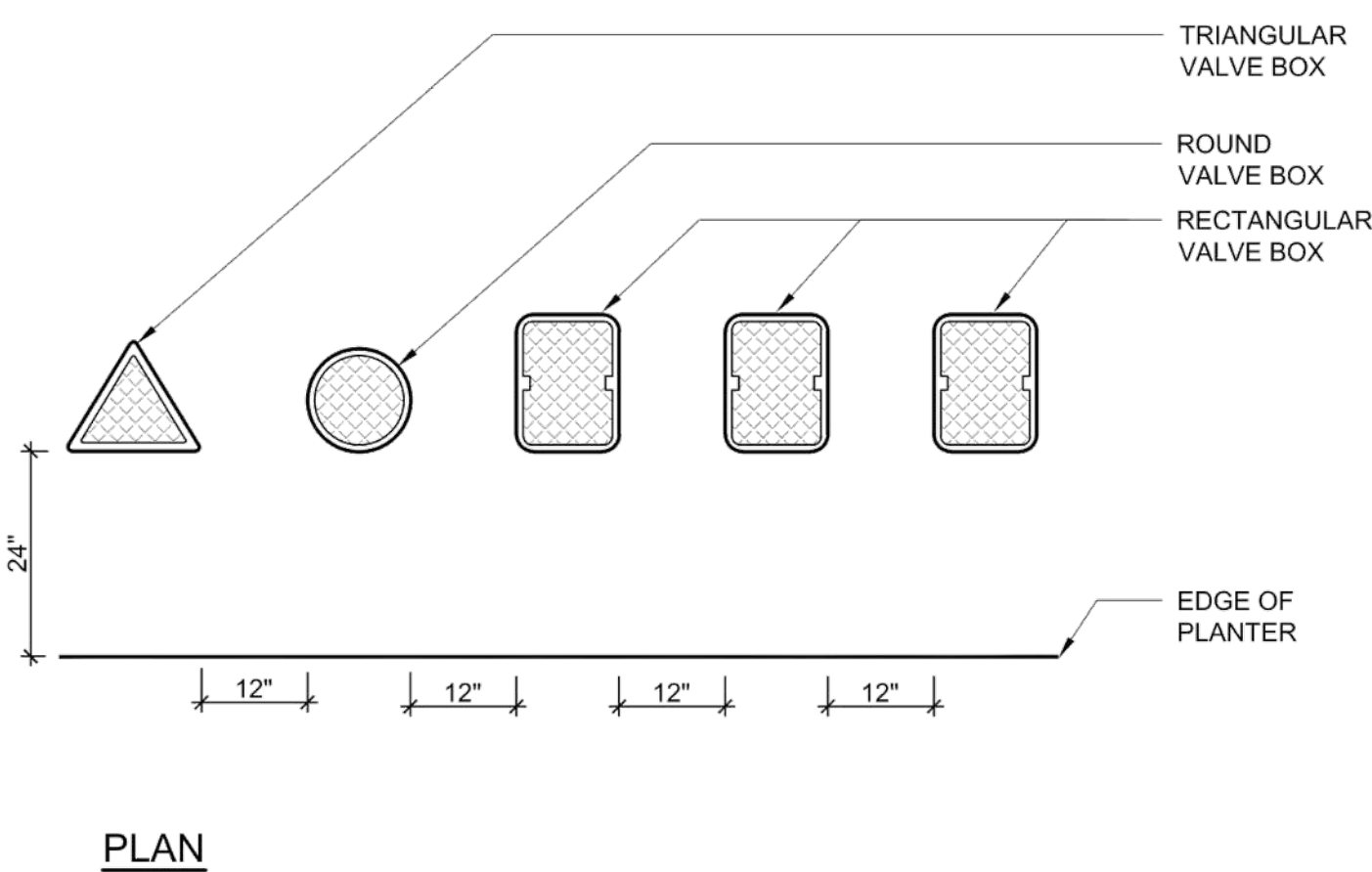
SPEARS DRI-SPLICE WIRE NUT DS-500  
SPEAR DRI-SPLICE DS-500 BODY

	DRIPLINE- LAYOUT ON SLOPE		154
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016

	DRIPLINE MANUAL FLUSH VALVE		161
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016

	PIPE DETAILS - TRENCHING		170
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016

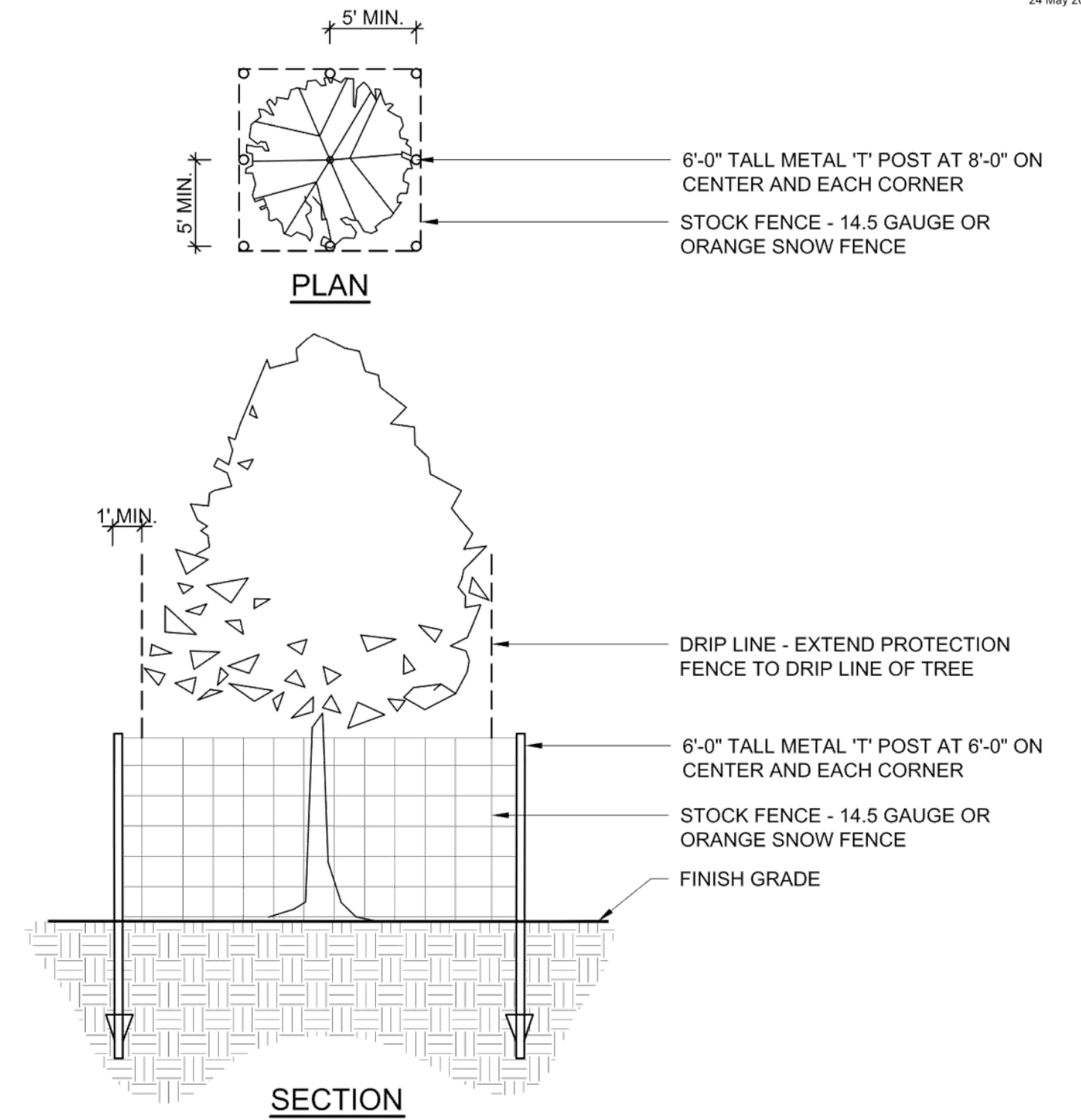
	ELECTRICAL WIRING CONNECTORS		172
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016



PLAN

NOTES:  
1. CENTER VALVE BOXES DIRECTLY OVER VALVES TO FACILITATE SERVICING.  
2. FINISH GRADE AROUND BOXES TO BE KEPT BELOW VALVE BOX LID:  
1" IN TURF AREAS  
3" IN MULCH AREAS  
3. SET VALVES IN GROUND COVER/SHRUB AREAS WHENEVER POSSIBLE. INSTALL IN TURF ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO TURF.  
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.  
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE OR DEFORMATION OF VALVE BOX SIDES.

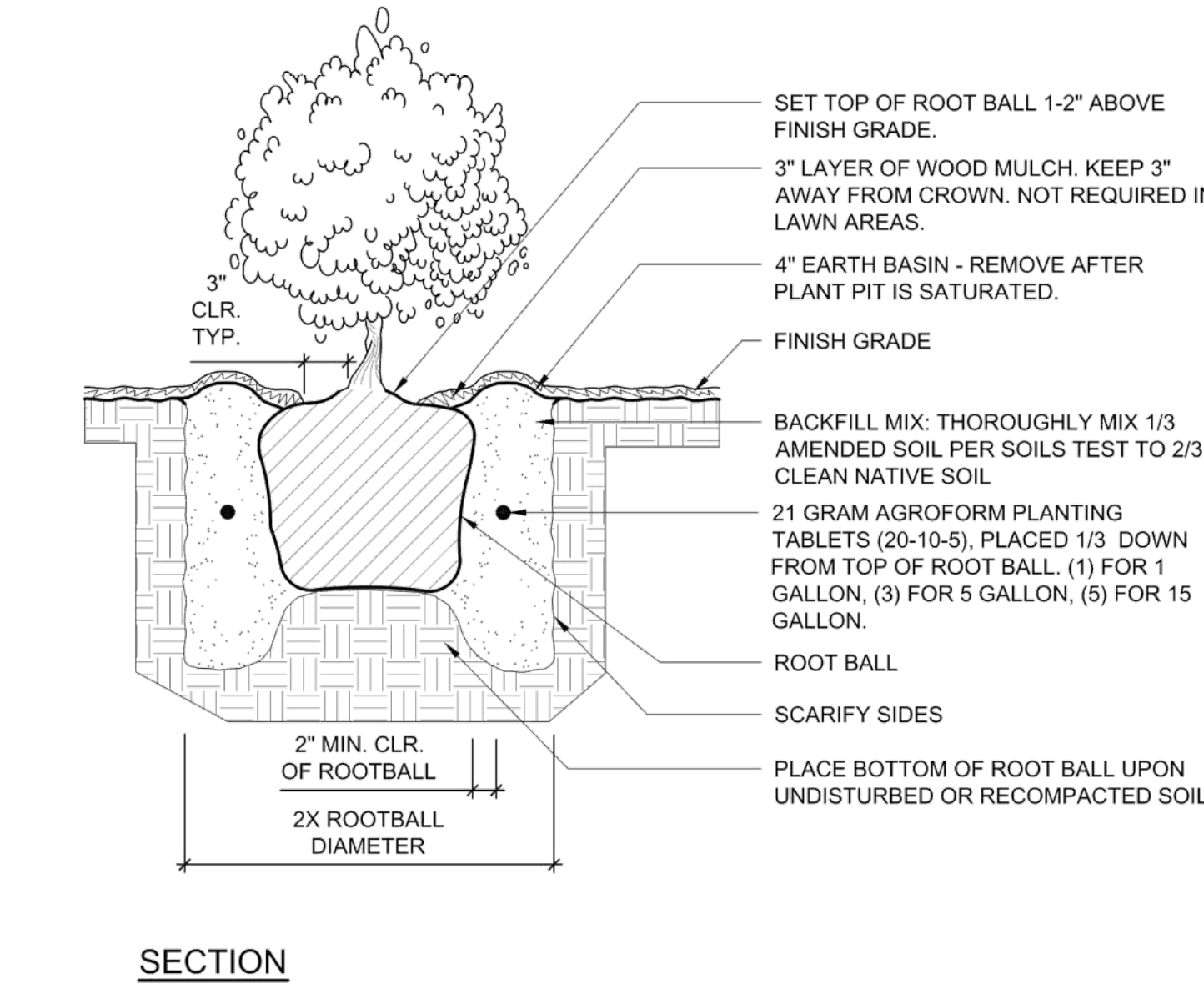
	VALVE BOX LAYOUT		175
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016



SECTION

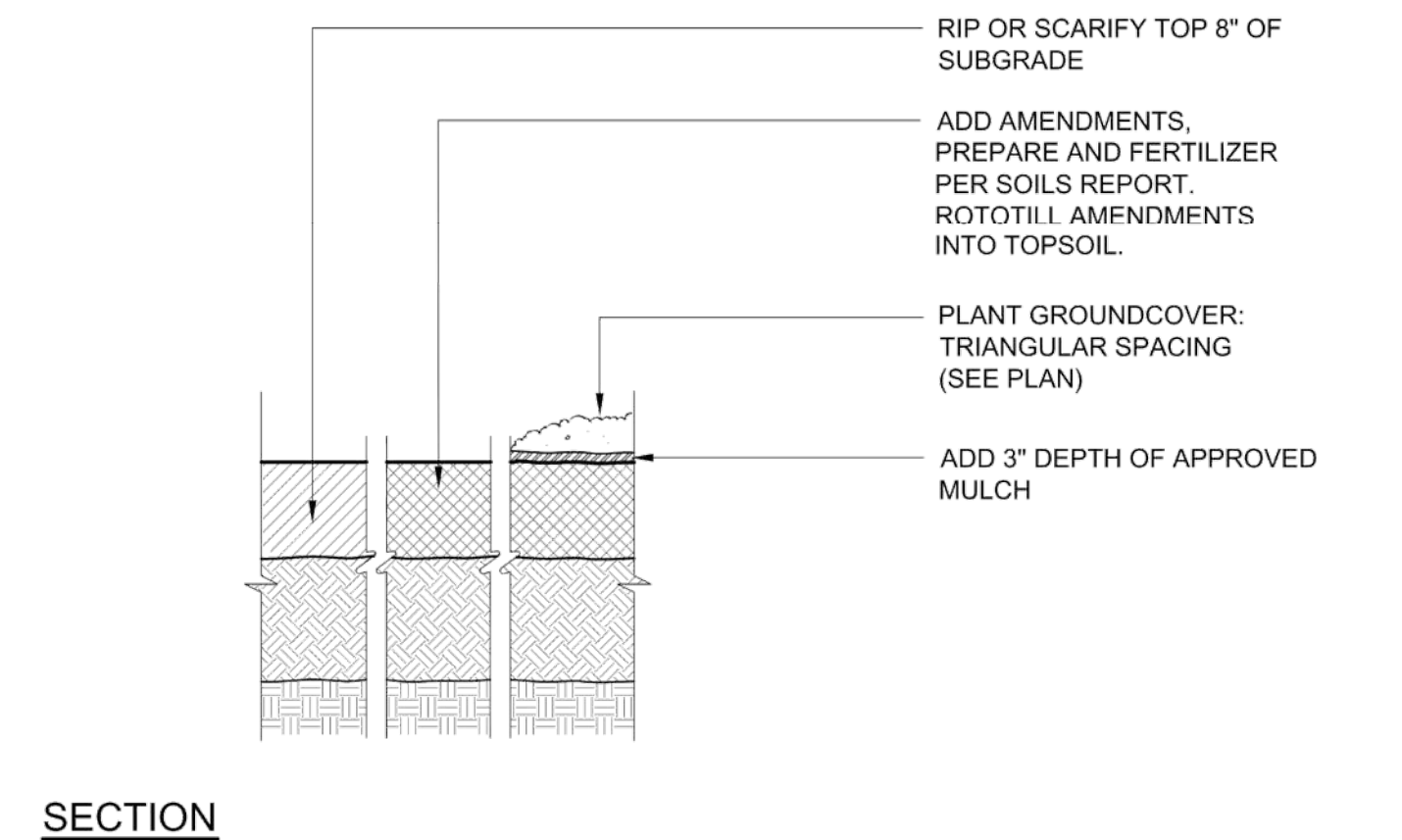
NOTES:  
1. FINAL LOCATION TO BE FIELD DETERMINED BY ARBORIST.  
2. FENCE TO BE IN PLACE PRIOR TO START OF CONSTRUCTION

	TREE PROTECTION		604
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016

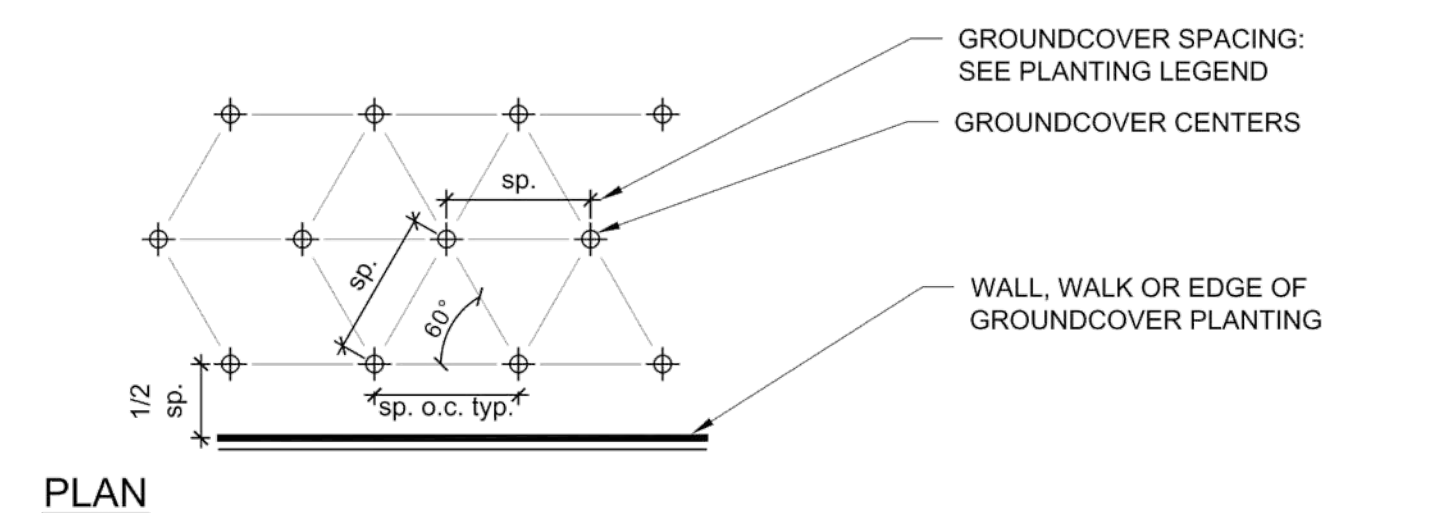


SECTION

	SHRUB PLANTING		605
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016



SECTION



PLAN

	GROUND COVER PLANTING		606
	PARKS & COMMUNITY SERVICES	DALE SUMERILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016		24 May 2016

C:\projects\mck\design\cont\Draws\222011228\_Landscape.dwg 10/26/19 10:48:57 AM

Revision	By	Appd	YYYY.MM.DD	Issued	By	Appd	YYYY.MM.DD
3			2019.03.01	2019.03.01			2019.03.01
2			2019.02.06	2019.02.06			2019.02.06
1			2018.09.06	2018.09.06			2018.09.06

Permit/Seal

Consultant

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9179 Aero Drive  
San Diego, CA 92123  
Tel: (619) 633-4233  
www.stantec.com

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Client/Project Logo

Client/Project  
CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

File Name: 222011228\_LANDSCAPE DETAILS  
Dwn. Dsgn. Ckcd. 2019.03.01  
YYYY.MM.DD

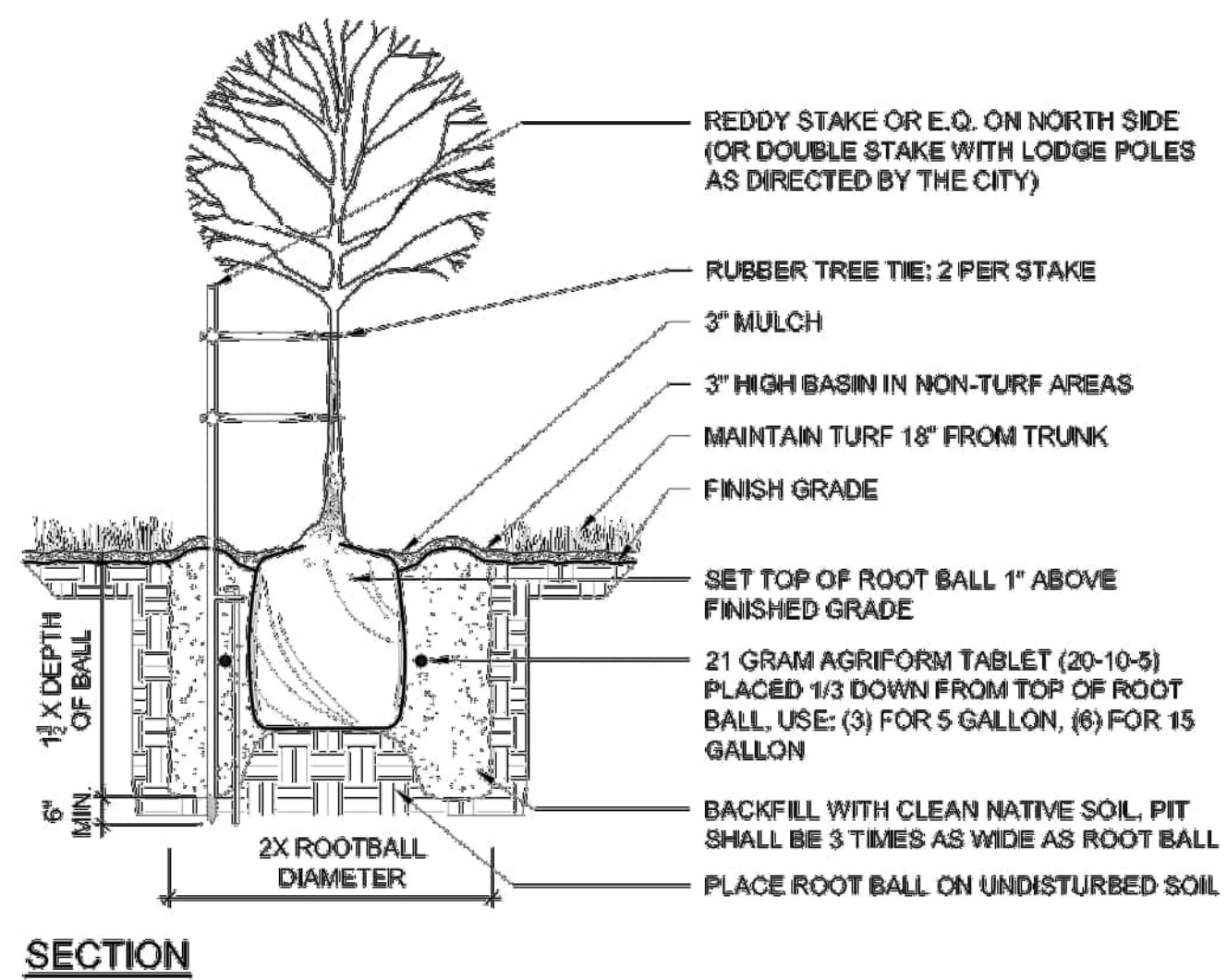
Title  
LANDSCAPE DETAILS

Project No. 222011228

Revision Sheet 1 of 17

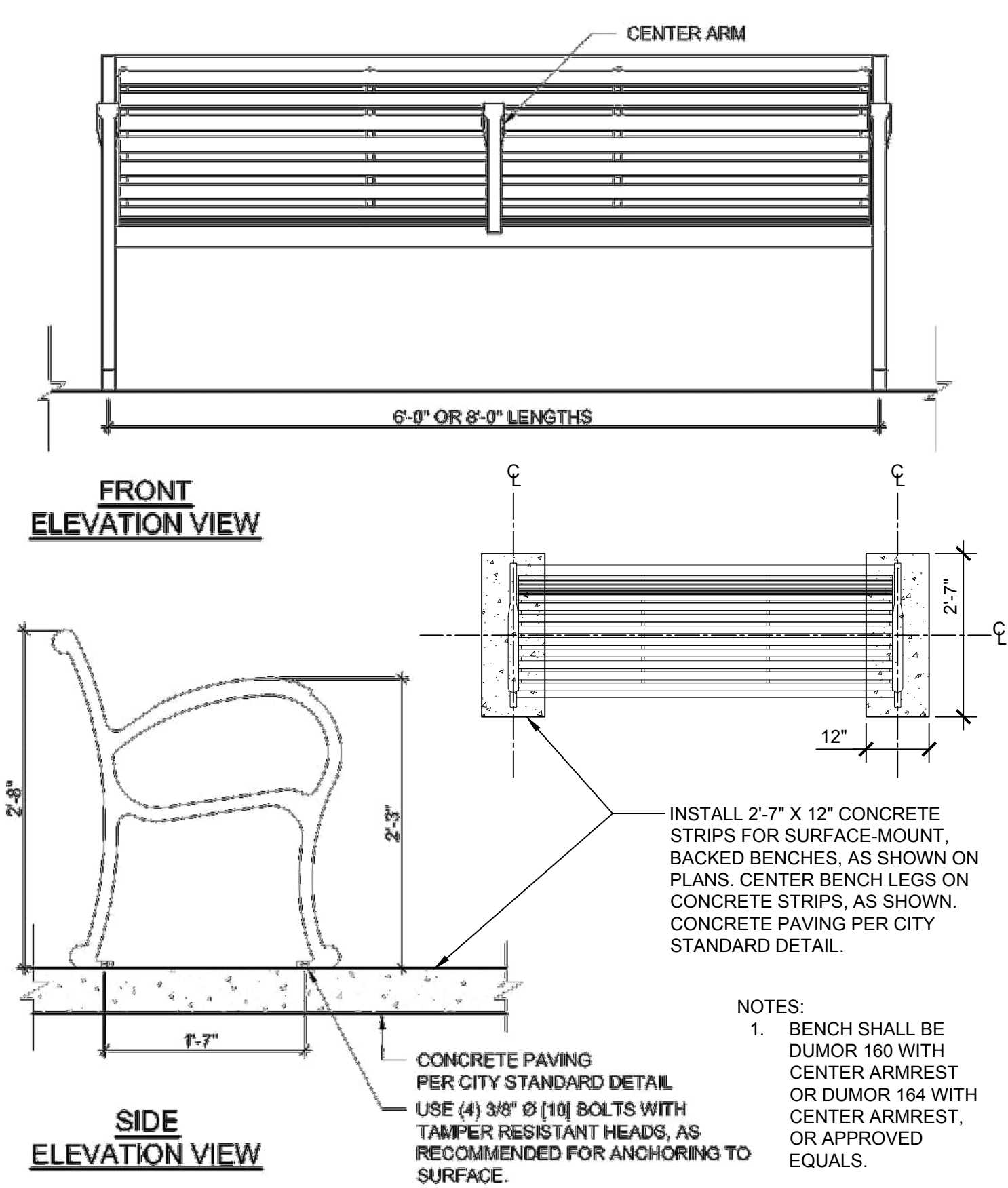
Scale AS SHOWN

Drawing No. L3.1

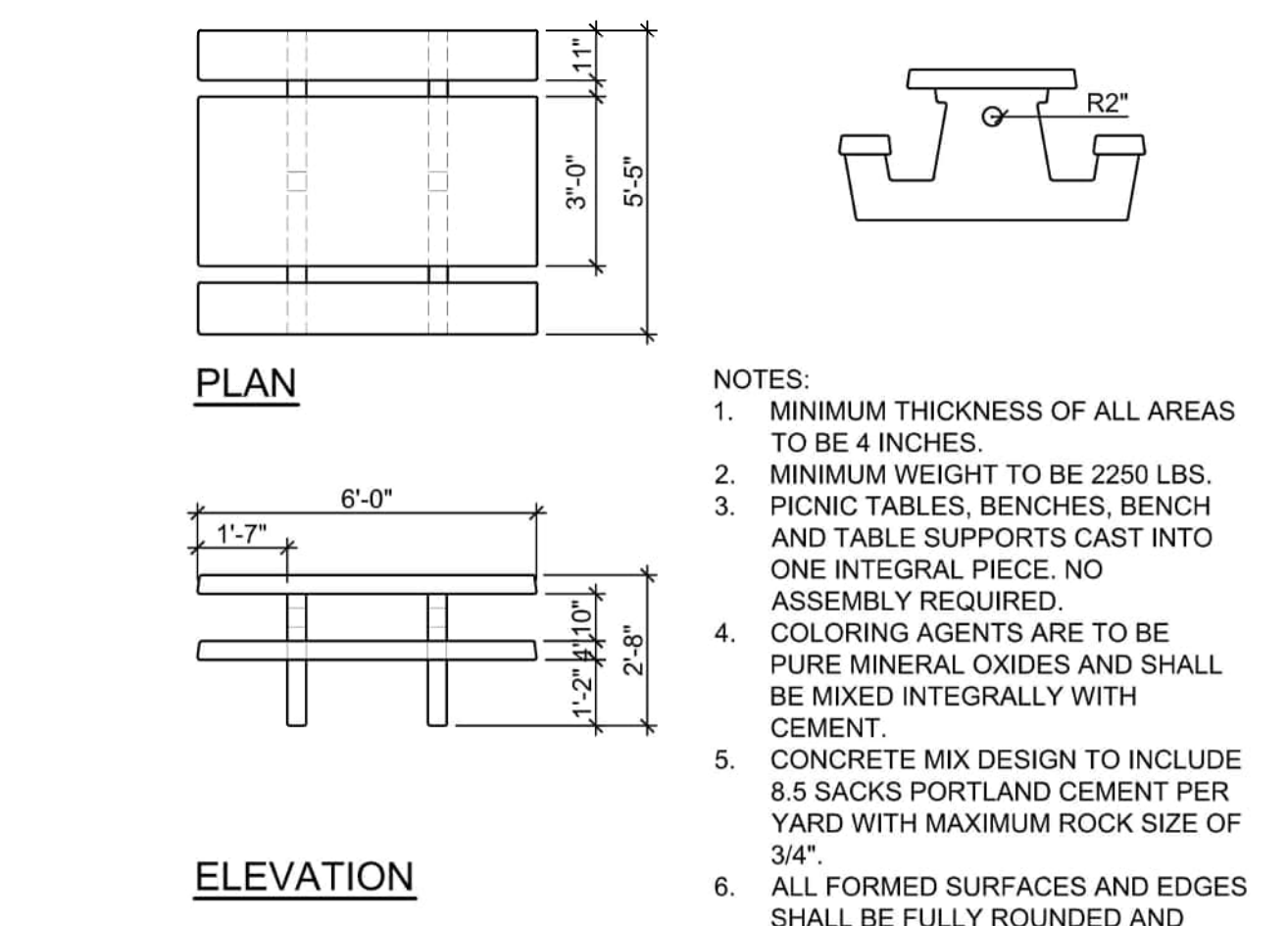


- NOTES:**
- REDDY STAKE TO BE SET 12" AWAY FROM TRUNK ON THE PREVAILING WIND SIDE. FOLLOW MANUFACTURER'S DIRECTIONS.
  - TREE TIES MADE OF UV RESISTANT PLASTIC TUBING, PLACED NO HIGHER THAN NECESSARY TO KEEP TREE UPRIGHT. DO NOT ALLOW TREE TO RUB AGAINST STAKE.
  - REMOVE NURSERY STAKE WHEN SETTING REDDY STAKE.
  - REDDY STAKE AVAILABLE FROM DECORATIONS FROM GENERATIONS, 888.333.3090 OR WWW.REDDYSTAKE.COM
  - TREE STAKE TO BE 2"x10" FOR 15 GAL AND 2"x12" FOR 24" BOX. USE GUYING FOR 36" AND LARGER.
  - ROOT BALL ANCHOR IS TO BE PER SPECIFICATIONS BY PLATYPUS.

	<b>TREE PLANTING</b>		601
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	

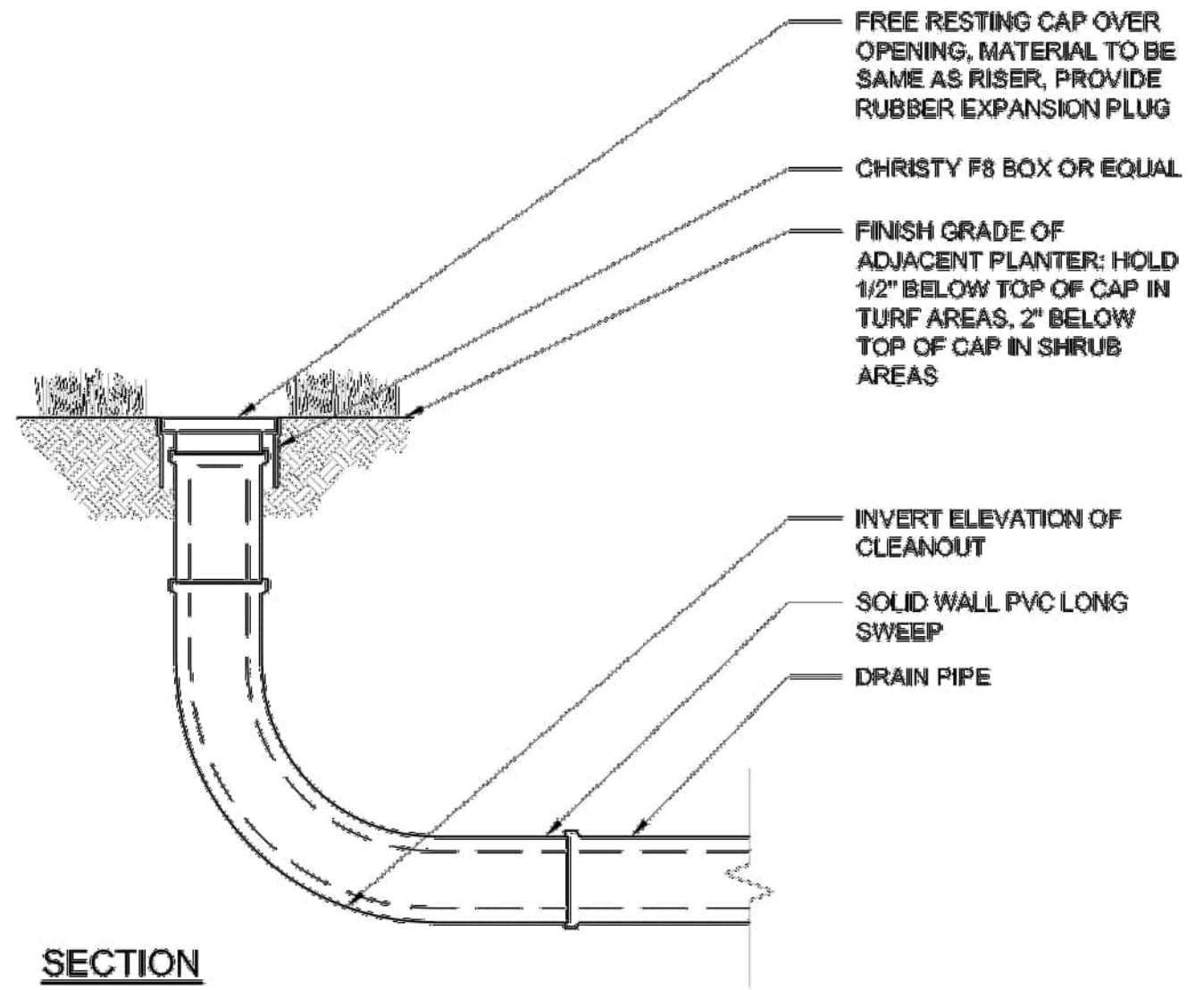


	<b>BENCH WITH CONCRETE PAD (MODIFIED)</b>		402
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	

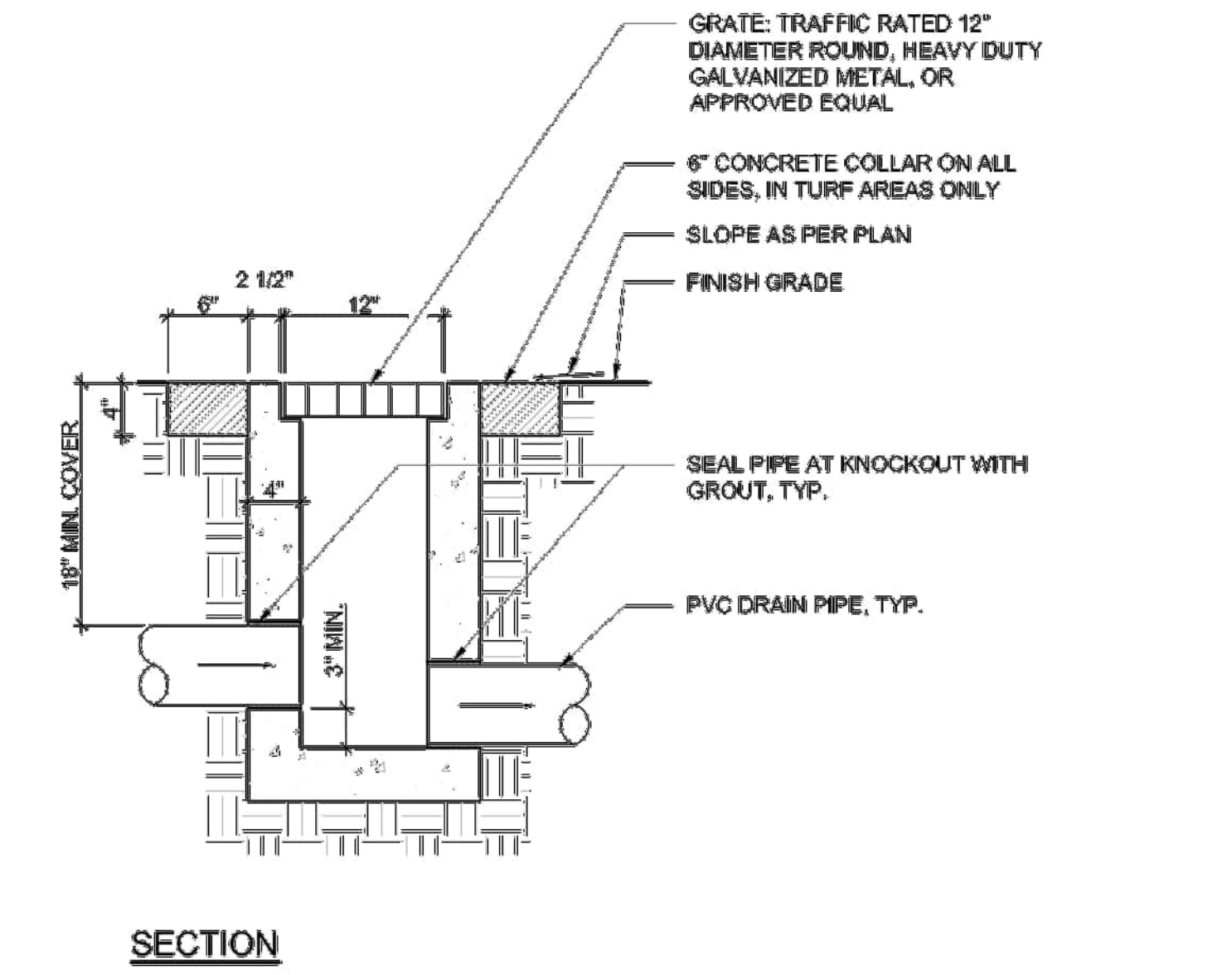


- NOTES:**
- MINIMUM THICKNESS OF ALL AREAS TO BE 4 INCHES.
  - MINIMUM WEIGHT TO BE 2250 LBS.
  - PICNIC TABLES, BENCHES, BENCH AND TABLE SUPPORTS CAST INTO ONE INTEGRAL PIECE. NO ASSEMBLY REQUIRED.
  - COLORING AGENTS ARE TO BE PURE MINERAL OXIDES AND SHALL BE MIXED INTEGRALLY WITH CEMENT.
  - CONCRETE MIX DESIGN TO INCLUDE 8.5 SACKS PORTLAND CEMENT PER YARD WITH MAXIMUM ROCK SIZE OF 3/4".
  - ALL FORMED SURFACES AND EDGES SHALL BE FULLY ROUNDED AND SMOOTH FINISHED. FINISH OF ALL EXPOSED SURFACES TO HAVE A CONCRETE GRAFFITI-RESISTANT SEALER APPLIED.

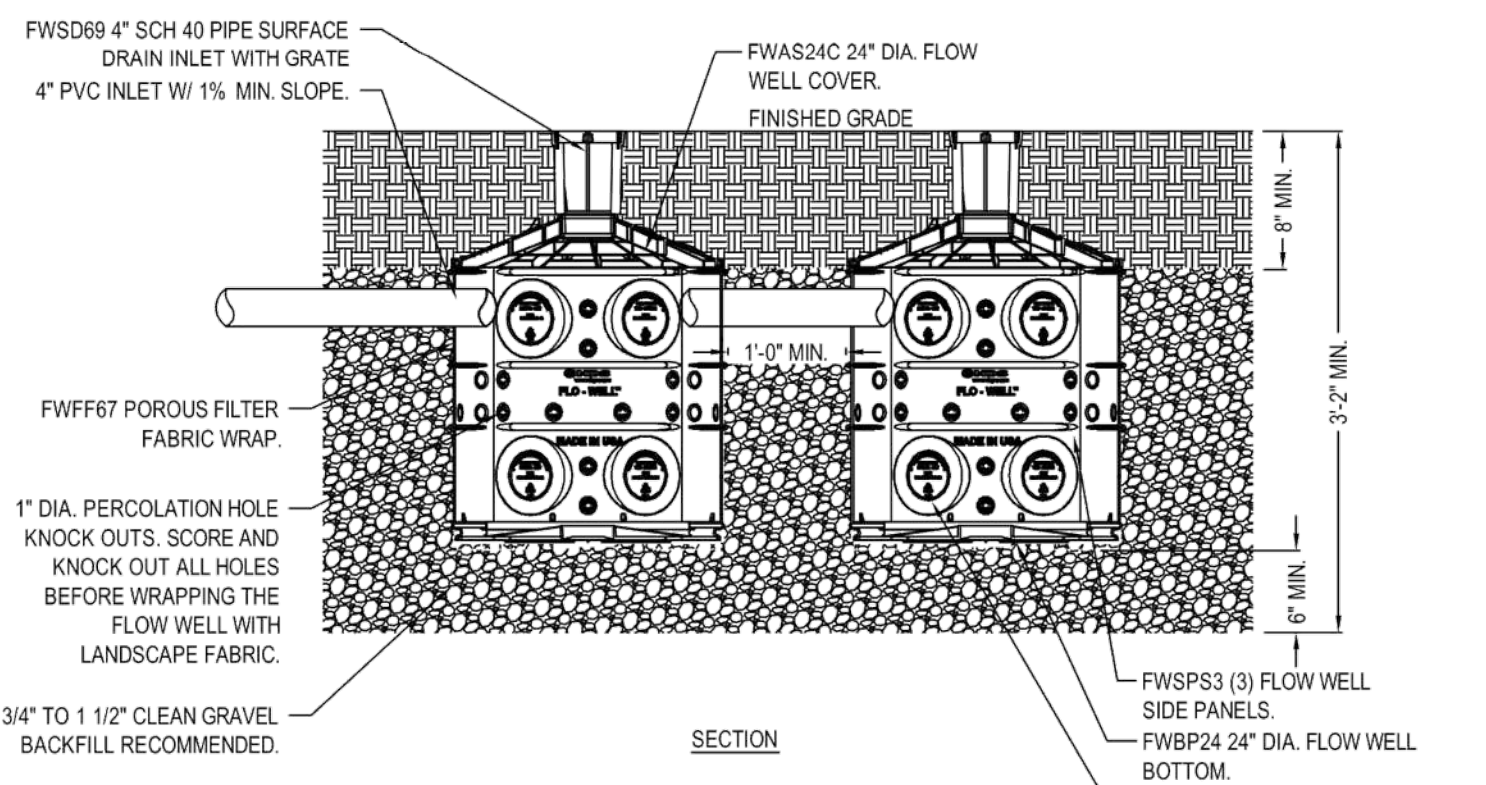
	<b>PICNIC TABLE</b>		403
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	



	<b>DRAINAGE CLEANOUT</b>		305
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	

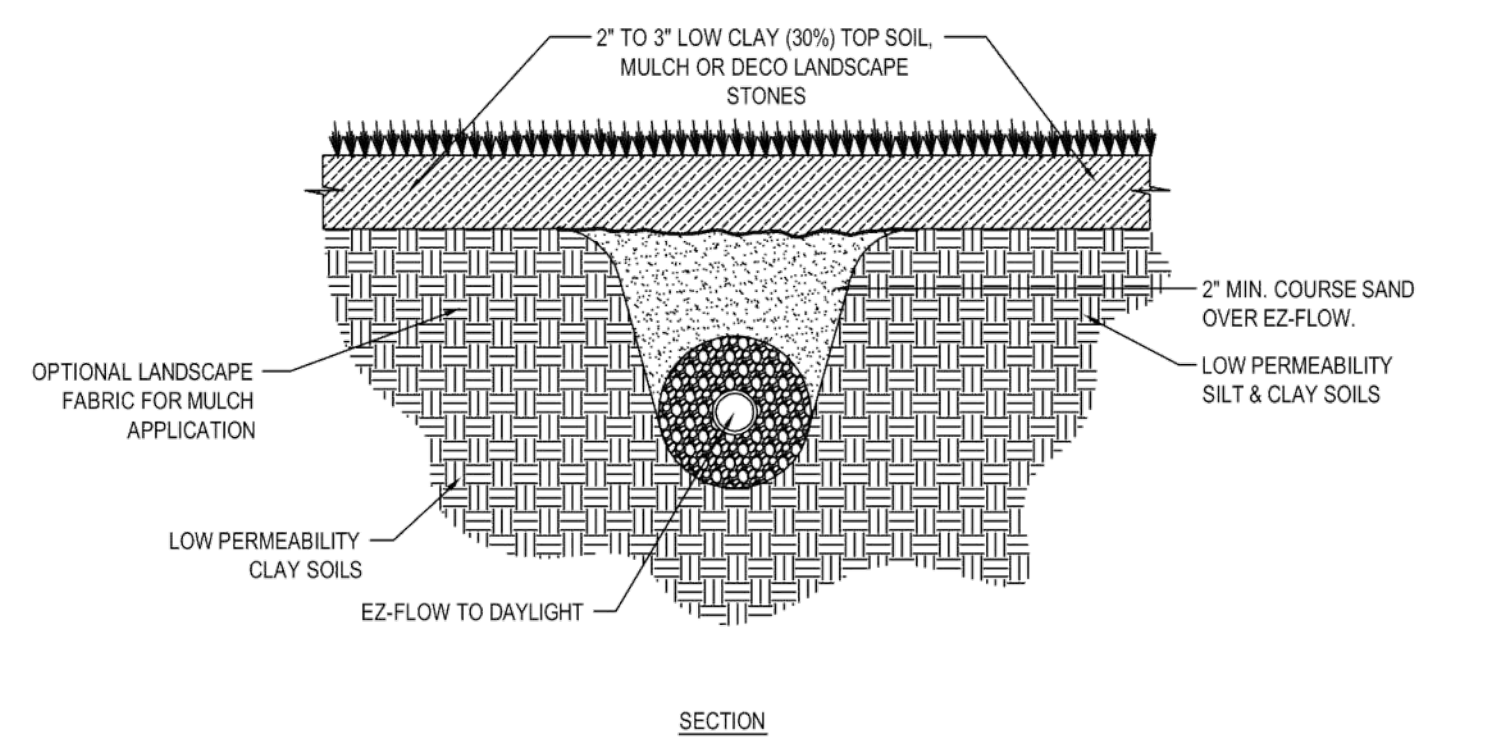


	<b>DRAIN INLET (12")</b>		302
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	



- NOTES:**
- MUST BE INSTALLED 10' AWAY FROM STRUCTURE OR FOUNDATION.
  - FWAS24 KIT DOES NOT COME WITH FWBP24 BTM.
  - REFERENCE FLO-WELL CALCULATOR ON NDSPRO.COM
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWING.
  - THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
  - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
  - CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADetails.com/info](http://www.CADetails.com/info) AND ENTER REFERENCE NUMBER 558-025.

	<b>FLO-WELL DRY WELL SYSTEM</b>		302
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	



- NOTES:**
- SWALES ELEVATION SHALL BE 6" MIN. BELOW THE LOWEST ADJACENT ELEVATION
  - SWALES SHALL NOT BE CONSTRUCTED UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED
  - COORDINATE PERFORATED PIPE UNDER DRAINAGE SYSTEMS WITH CIVIL DRAWINGS.
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWING.
  - THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY.
  - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
  - CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADetails.com/info](http://www.CADetails.com/info) AND ENTER REFERENCE NUMBER 558-025.

	<b>EZFLOW / EZDRAIN SYSTEM</b>		302
	PARKS & COMMUNITY SERVICES	DALE SUENERSILLE PARKS & COMMUNITY SERVICES DIRECTOR	
SCALE: NTS	REVISED 2016	24 May 2016	

Revision	By	Appd	YYYY.MM.DD	Issued	By	Appd	YYYY.MM.DD
3			2019.03.01				
2			2019.02.06				
1			2018.09.06				

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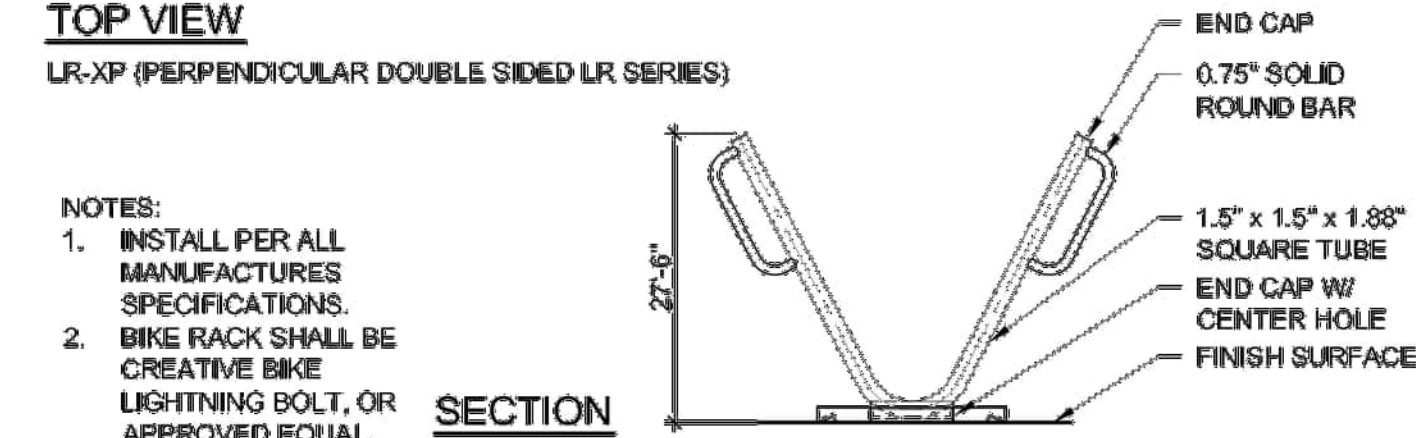
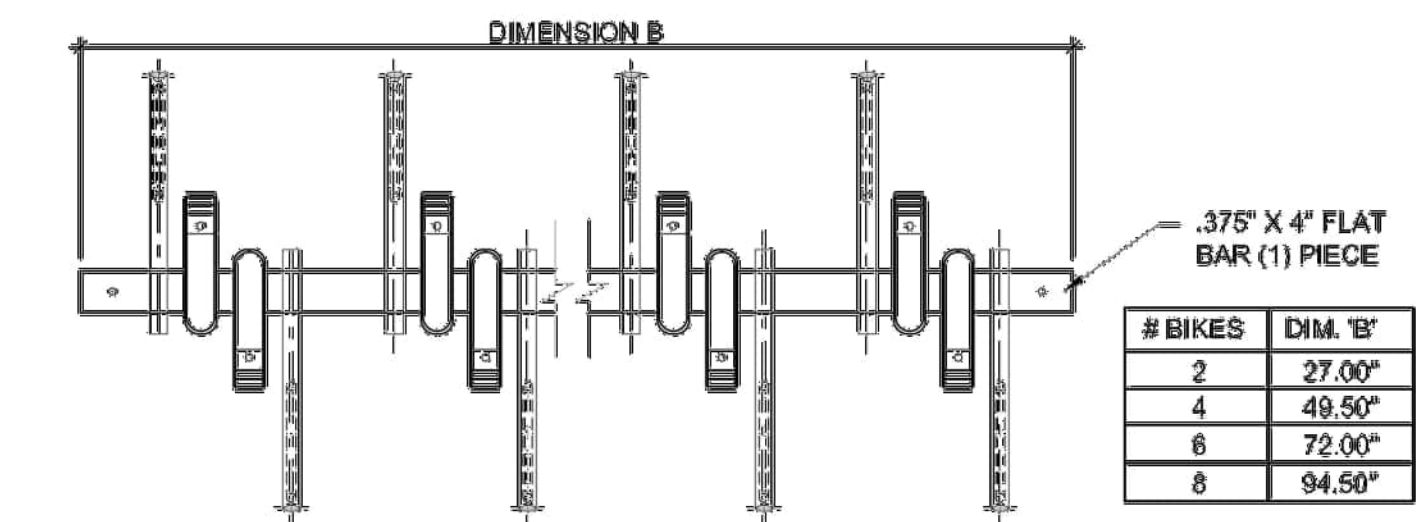
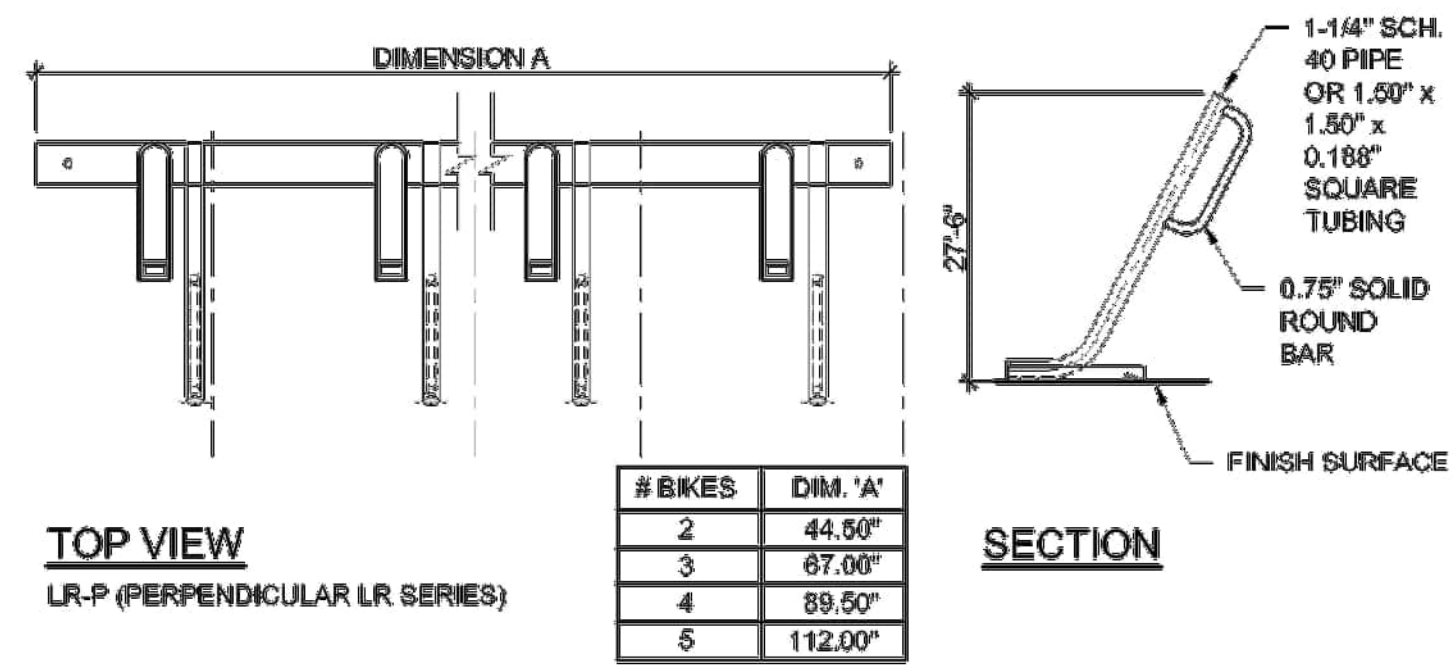
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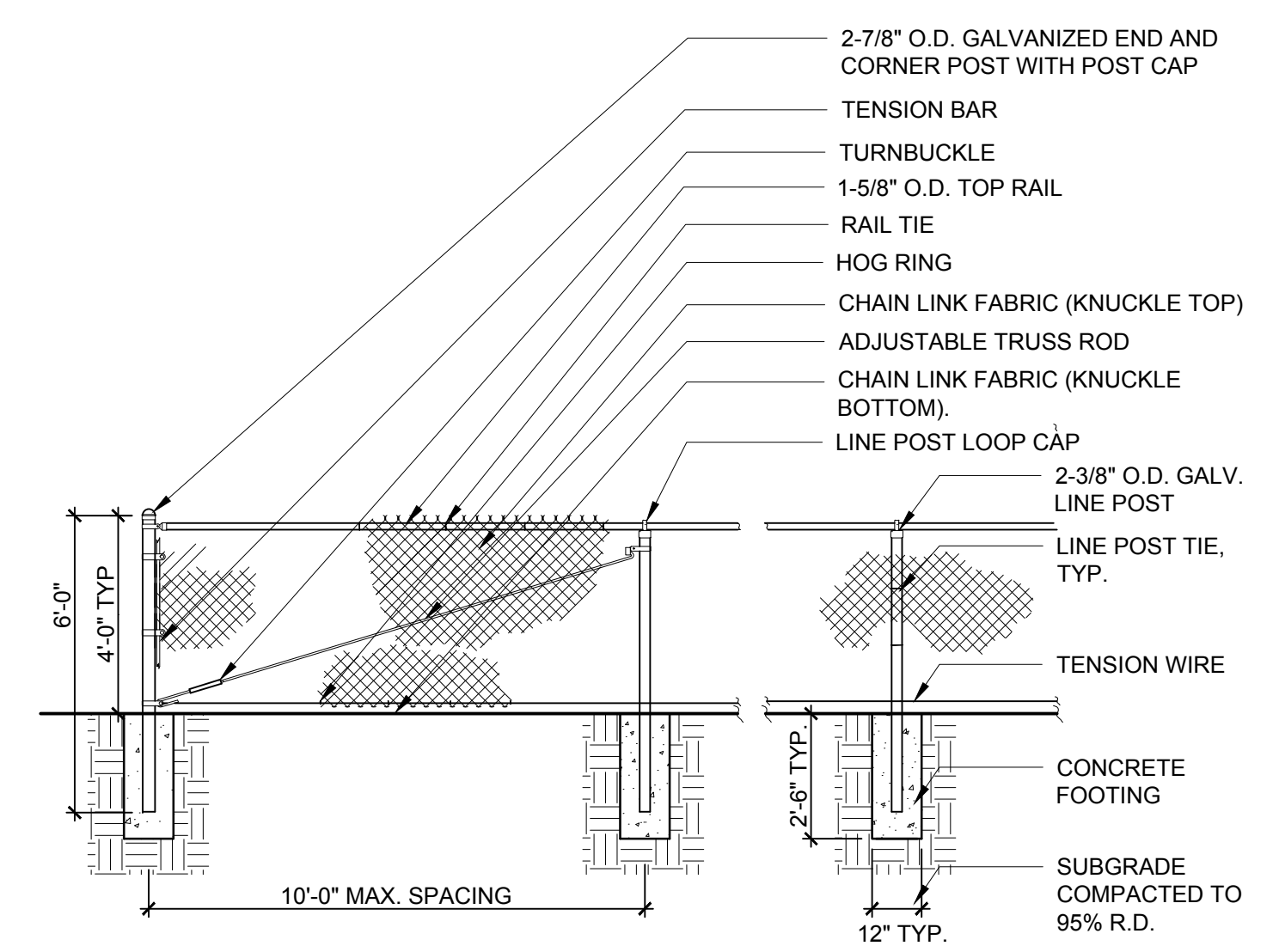
Client/Project Logo

Client/Project	CITY OF DAVIS		
Client/Project	DAVIS COMMUNITY PARK PUMP TRACK		
Client/Project	Davis, California		
File Name:	222011228_LANDSCAPE DETAILS		
JJ	JJ	PM	2019.03.01
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Title	LANDSCAPE DETAILS
Project No.	222011228
Revision Sheet	1 of 17
Scale	AS SHOWN
Drawing No.	L3.2



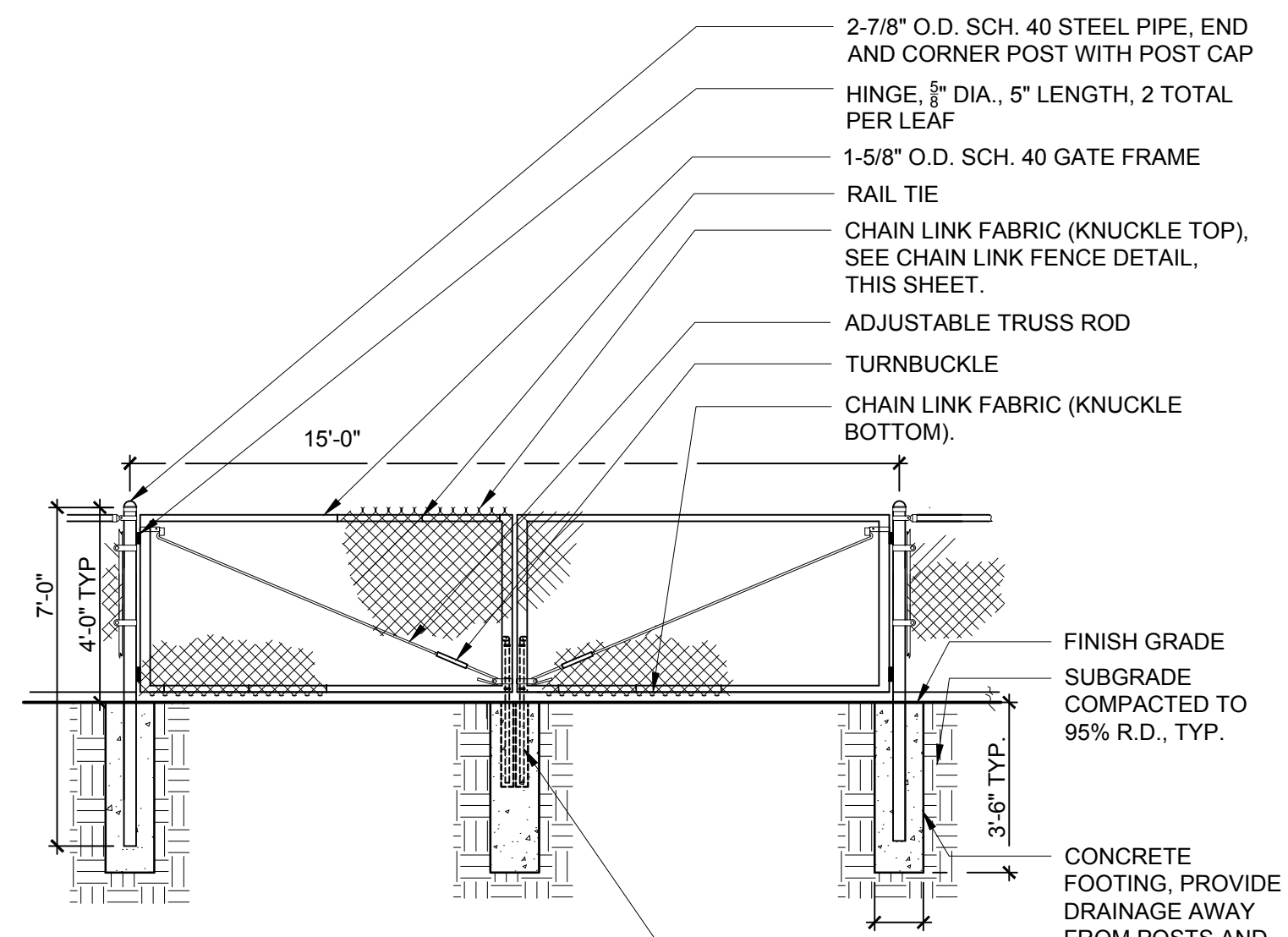
	<b>BIKE RACK</b>	PARKS & COMMUNITY SERVICES	407
	SCALE: NTS		



**NOTES:**

- FENCE FABRIC TO BE FOREST GREEN VINYL COATED. ALL POSTS, RAILS & HARDWARE TO BE POWDER COATED FOREST GREEN.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL FENCING FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

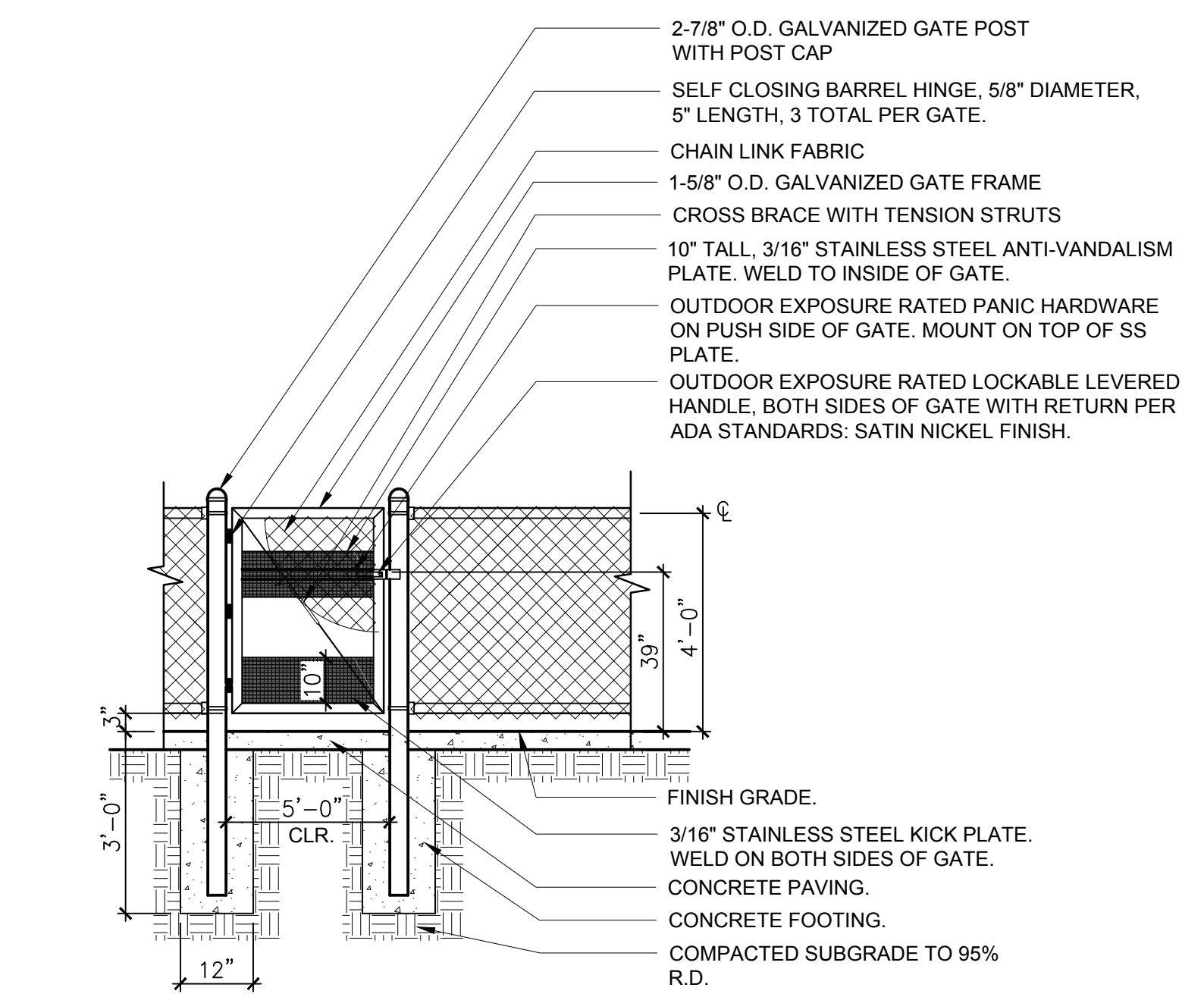
**1 CHAIN LINK FENCE**  
SCALE: NTS SUB-TITLE



**NOTES:**

- FENCE FABRIC TO BE FOREST GREEN VINYL COATED. ALL POSTS, RAILS, CANE BOLTS & HARDWARE TO BE POWDER COATED FOREST GREEN.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL FENCING FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

**2 DOUBLE GATE**  
SCALE: NTS SUB-TITLE



**NOTES:**

- FENCE FABRIC TO BE FOREST GREEN VINYL COATED. ALL POSTS, RAILS & HARDWARE TO BE POWDER COATED FOREST GREEN.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL FENCING FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- MAXIMUM EFFORT NECESSARY TO OPERATE GATE SHALL NOT EXCEED 5 LBF.

**3 CHAIN LINK PEDESTRIAN GATE (5' WIDE)**  
SCALE: 1/4" = 1'-0" SUB-TITLE

04-18-23 City Council Meeting

Revision	By	Appd	YYYY.MM.DD	Issued	By	Appd	YYYY.MM.DD
3				ISSUE FOR BID			2019.03.01
2				100% CONSTRUCTION DRAWINGS			2019.02.06
1				90% CONSTRUCTION DRAWINGS			2018.09.06

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www.stantec.com

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Client/Project Logo

Client/Project  
CITY OF DAVIS

DAVIS COMMUNITY PARK PUMP TRACK

Davis, California

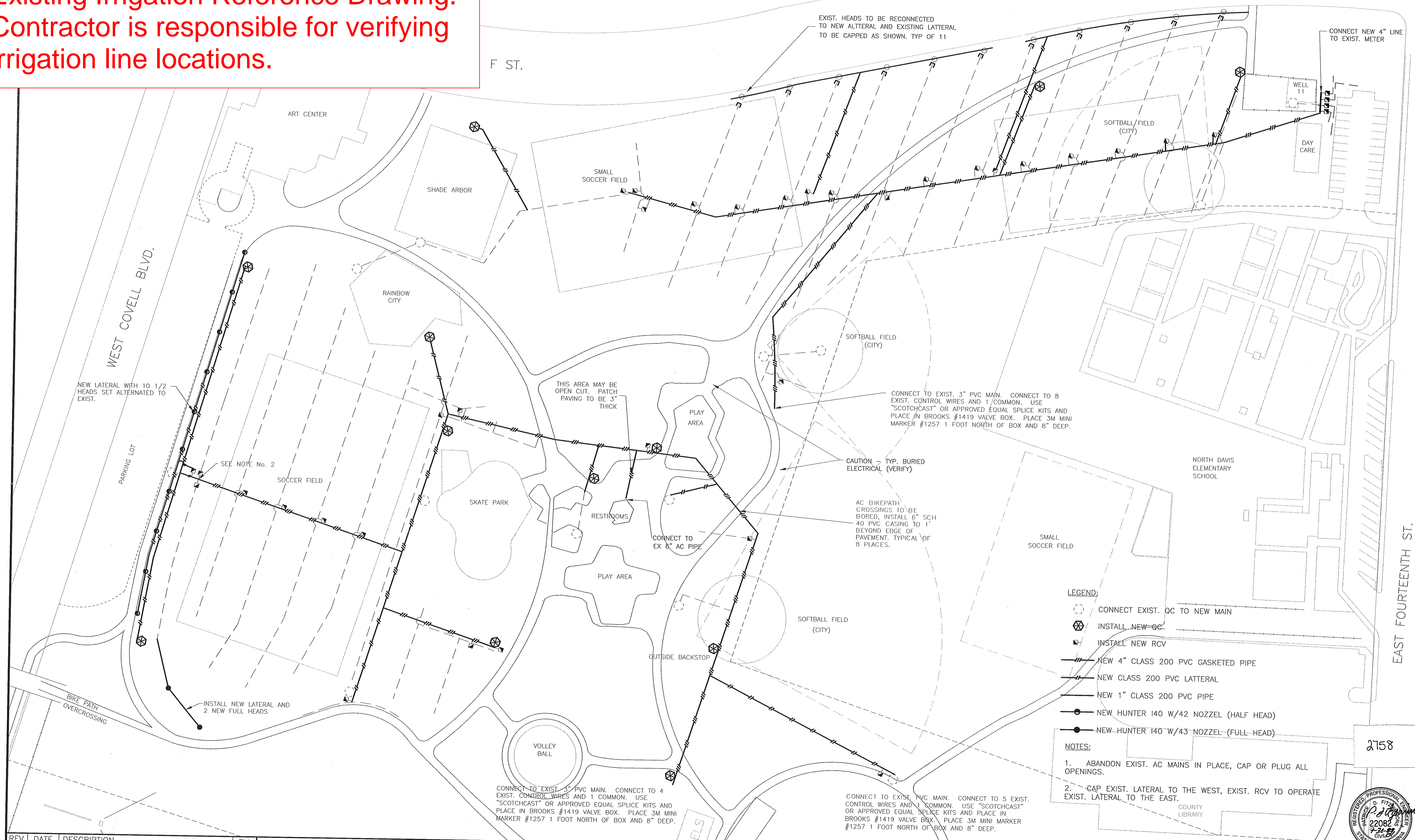
File Name: 222011228\_LANDSCAPE DETAILS

JJ	JJ	PM	2019.03.01
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

Title  
LANDSCAPE DETAILS

Project No. 222011228	Scale AS SHOWN
Revision Sheet 1 17 of 17	Drawing No. L3.3

**Existing Irrigation Reference Drawing.  
Contractor is responsible for verifying  
irrigation line locations.**



- LEGEND:**
- CONNECT EXIST. QC TO NEW MAIN
  - ⊗ INSTALL NEW GC
  - ⊕ INSTALL NEW RCV
  - NEW 4" CLASS 200 PVC GASKETED PIPE
  - NEW CLASS 200 PVC LATERAL
  - NEW 1" CLASS 200 PVC PIPE
  - NEW HUNTER 140 W/42 NOZZEL (HALF HEAD)
  - NEW HUNTER 140 W/43 NOZZEL (FULL HEAD)
- NOTES:**
1. ABANDON EXIST. AC MAINS IN PLACE, CAP OR PLUG ALL OPENINGS.
  2. CAP EXIST. LATERAL TO THE WEST, EXIST. RCV TO OPERATE EXIST. LATERAL TO THE EAST.

REV.	DATE	DESCRIPTION	BY

**COMMUNITY PARK  
IRRIGATION MAIN REPLACEMENT**  
C.I.P. # 8784



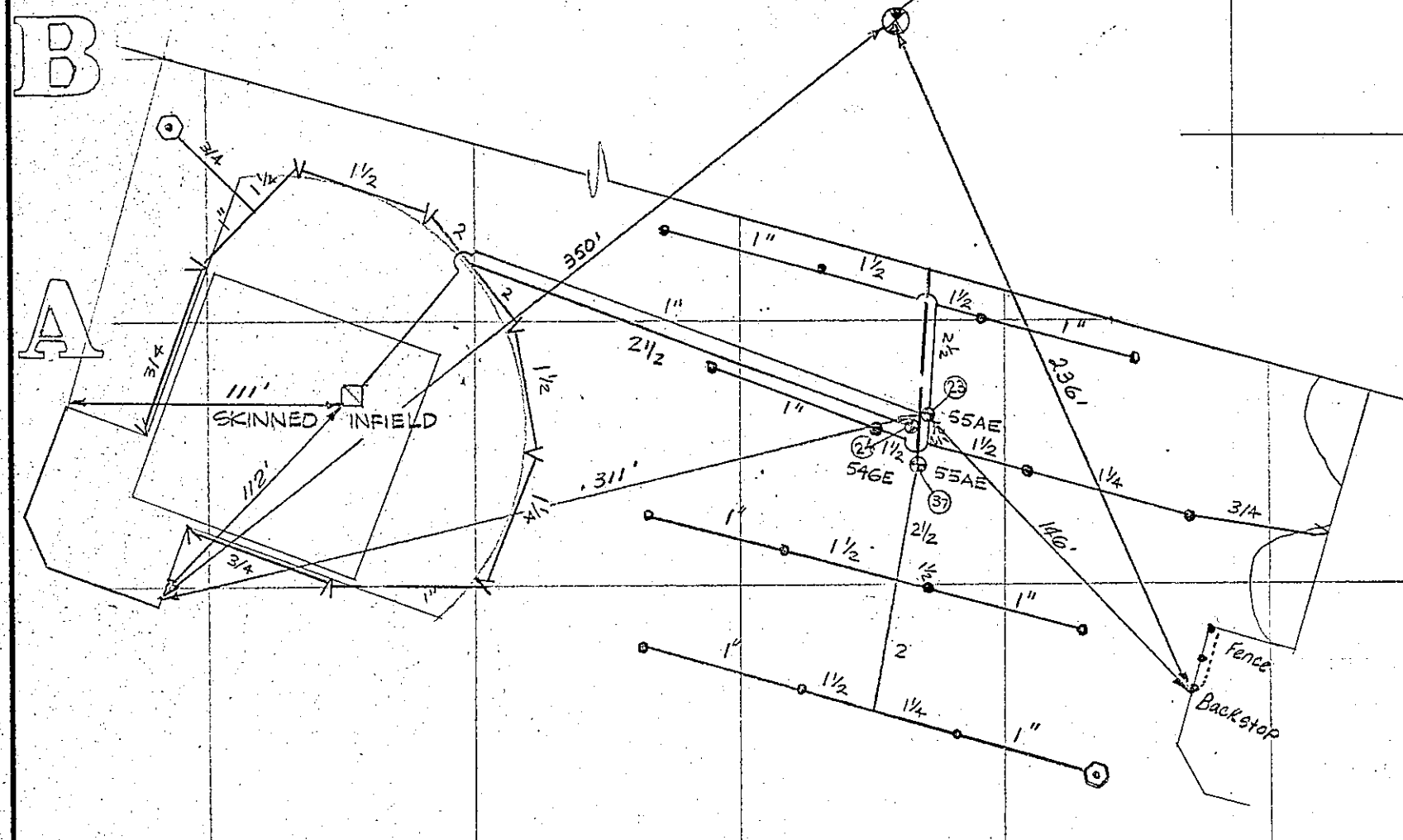
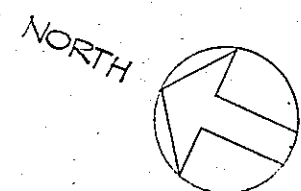
**CITY OF DAVIS  
PUBLIC WORKS DEPARTMENT**

DESIGNED BY: K BURKE	DATE: 10-98
CHECKED BY: ENGINEER	DATE: XX/XX/XX
DRAWN BY: SK, HMiketic	DATE: 10-30-98
DWG. NO. 044-24	SHEET 1 OF 1 SHEETS
502-10-40	

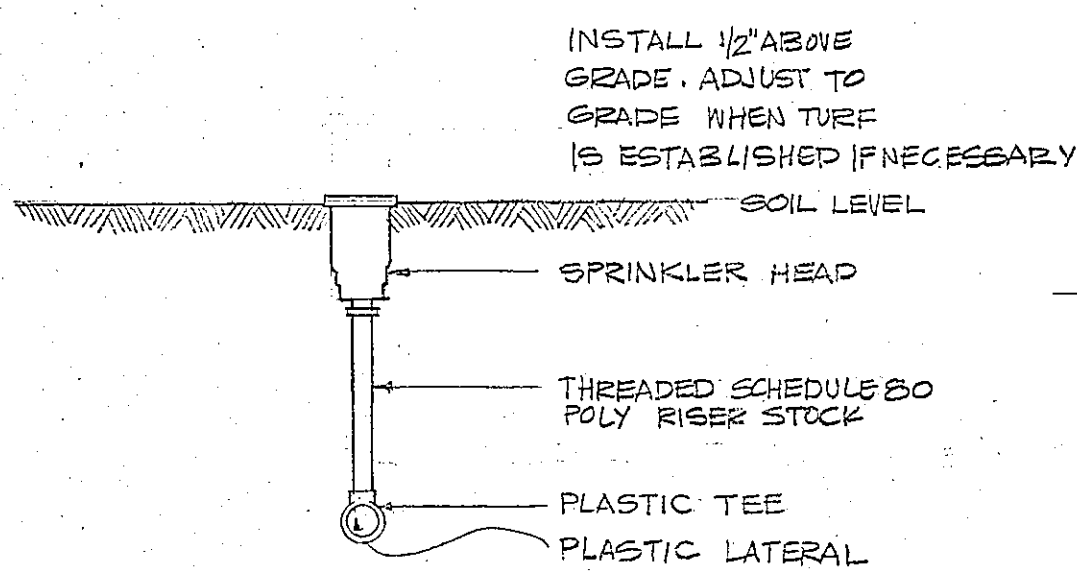


Existing Irrigation Reference Drawing.  
Contractor is responsible for verifying  
irrigation line locations.

PLAN  
SCALE: 1"=60'

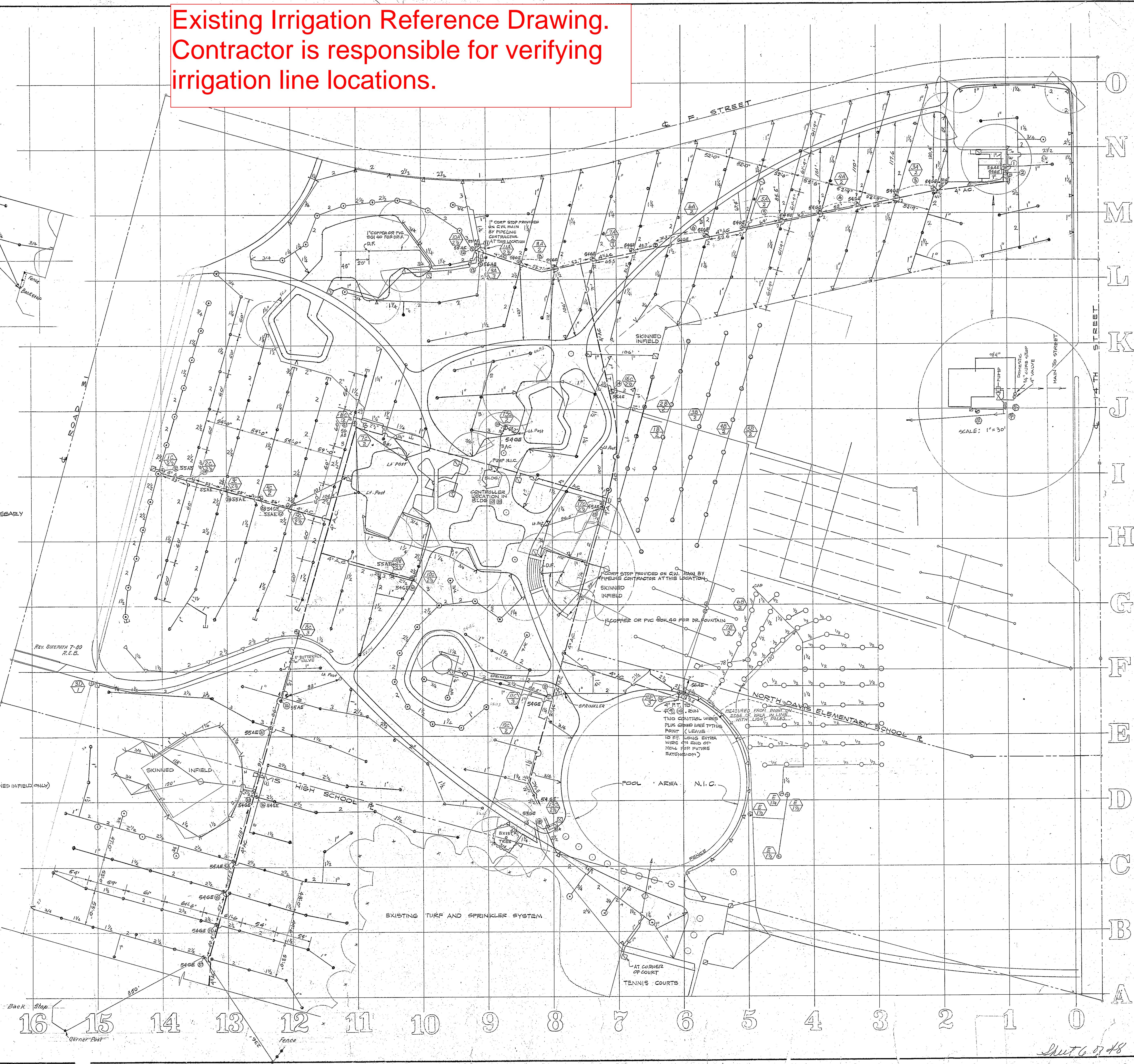


16 15 14 13



TYPICAL RISER CONNECTION

- LEGEND**
- 1320 R 7/32" NOZZLE BUCKNER
  - 1330 3/16" "
  - ▽ 8280 H 1/4" "
  - ▽ 8278 H 3/16" "
  - R.C.V. AS SHOWN ON PLAN
  - CONTROLLER ME WALL MOODY W/PUMP SWITCH
  - Q.C.V. 14 BUCKNER
  - QUAD BUBBLER
  - LIGHT POLE
- When Measuring to Backstop (All)  
Measure to Last Pole of Backstop.

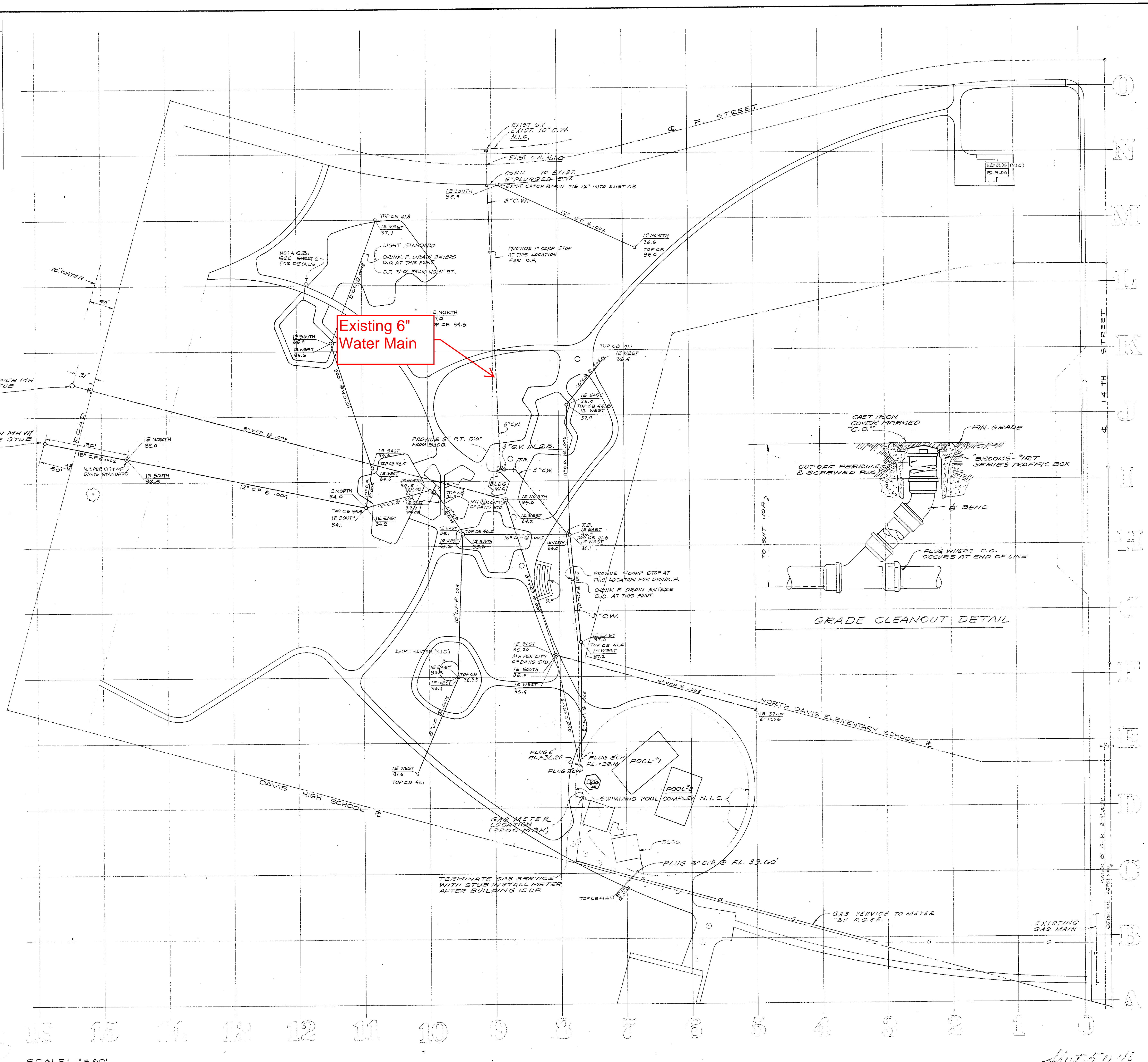


APPROVALS  
 CITY OF DAVIS  
 As Built 12-19-98  
 D.C.P.  
 LANDSCAPE ARCHITECT  
 DAVIS, YOLO COUNTY, CALIFORNIA  
 DWG. No. 502-10  
 SITE SPRINKLER PLAN  
 DAVIS COMMUNITY PARK  
 BARONIAN and DANIELSON  
 LANDSCAPE ARCHITECTS  
 SCALE: 1"=60'  
 DATE: 9-1-95  
 JOB NO.  
 BY C.S.  
 REVISIONS 4-66  
 SHEET

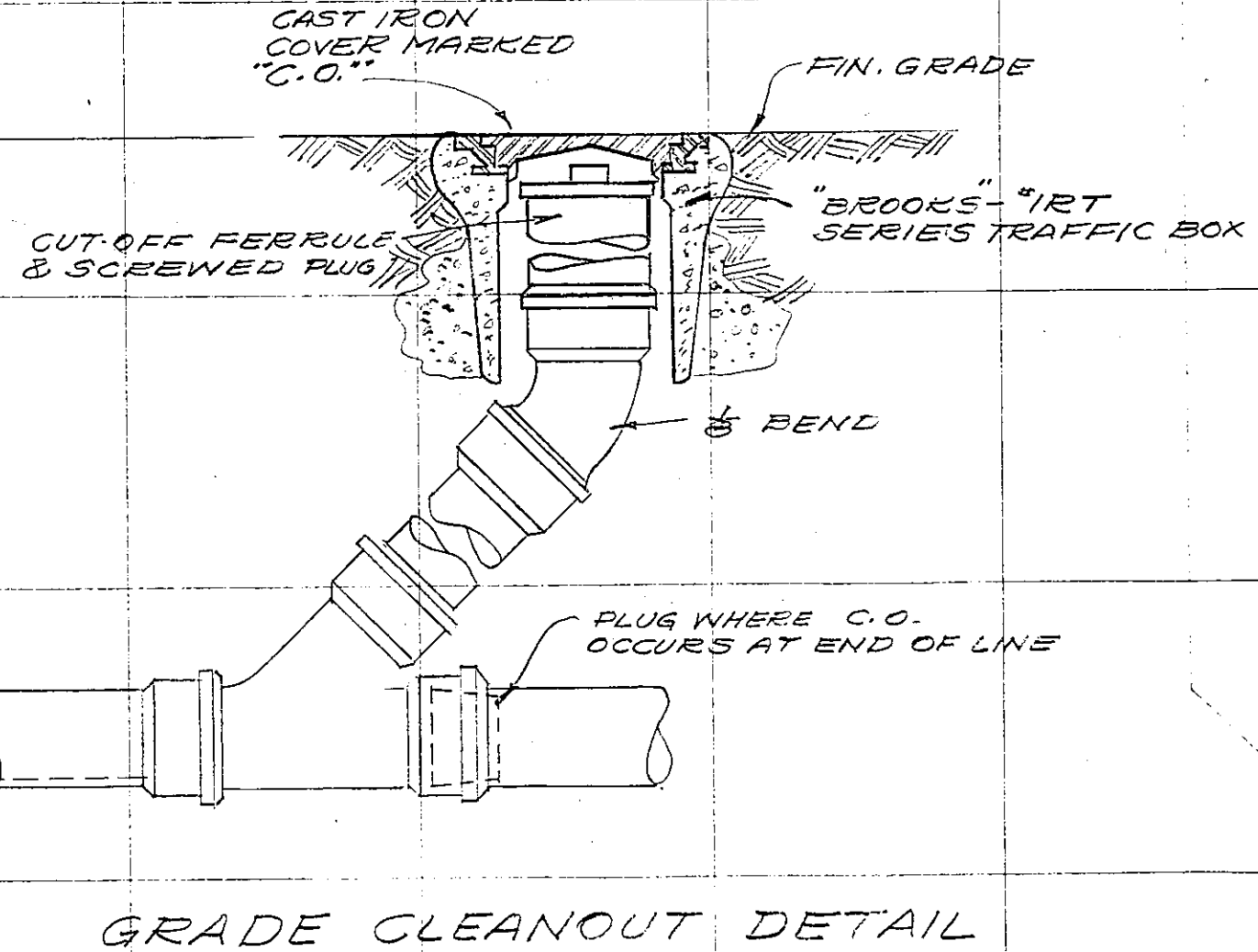
Sheet 6 of 8  
502-10

**LEGEND**

- SANITARY SEWER
- STORM DRAIN
- COLD WATER
- GAS
- T.B. — THRUST BLOCK
- G.C.O. — GRADE CLEAN OUT
- G.V. IN S.B. — GATE VALVE IN SERVICE BOX (G.V. IN S.B.)
- M.H. — MAN HOLE
- C.B. — CATCH BASIN
- C.P. — CONCRETE PIPE
- F.L. — FLOW LINE
- C.W. — COLD WATER
- V.C.P. — VITRIFIED CLAY PIPE
- S.B. — SERVICE BOX
- G.V. — GATE VALVE
- P.T. — PLUGGED TEE
- O — CATCH BASIN
- O — MAN HOLE PER CITY OF DAVIS STANDARD



Existing 6" Water Main



APPROVALS  
 CITY OF DAVIS  
 LANDSCAPE ARCHITECT

Dwg. No. 502-10

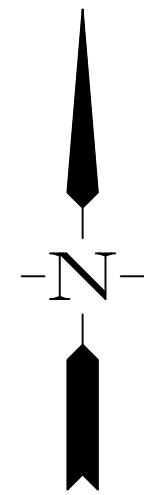
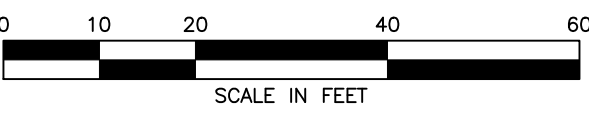
MECHANICAL PLAN

DAVIS COMMUNITY PARK  
 FOURTEENTH AND F. STREETS  
 DAVIS, YOLO COUNTY, CALIFORNIA

SCALE 1"=50'  
 DATE 9-95  
 BY K.D.  
 REVISIONS 4-66

BARONIAN and DANIELSON  
 LANDSCAPE ARCHITECTS  
 915 GREGORY PLACE  
 DAVIS SK 3-5130

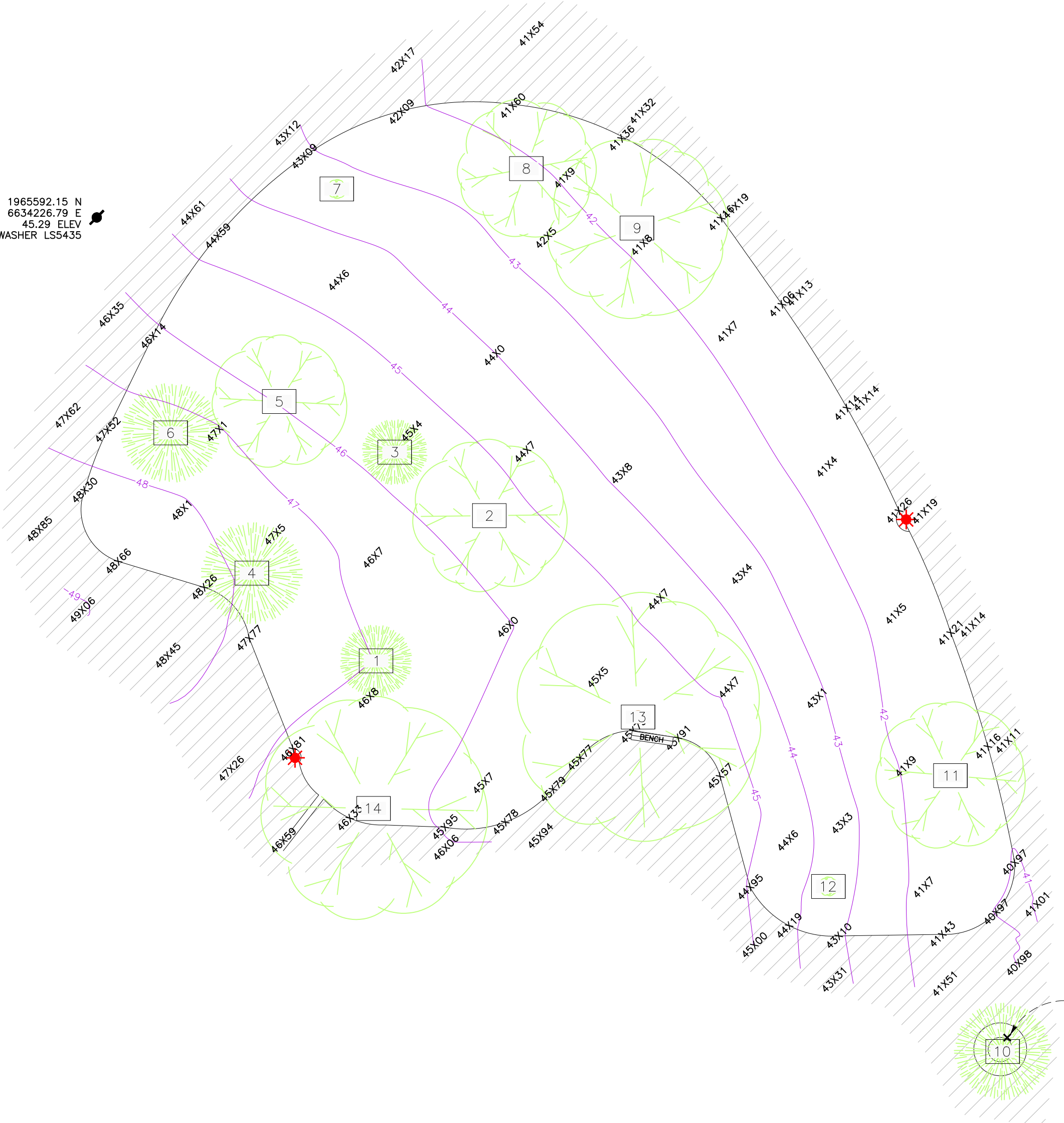
SHEET 5



1965592.15 N  
6634226.79 E  
45.29 ELEV  
SPIKE & WASHER LS5435

1965684.60 N  
6634354.23 E  
41.22 ELEV  
SAWCUT CROSS IN CONCRETE

1965421.81 N  
6634415.93 E  
40.67 ELEV  
SAWCUT CROSS IN CONCRETE



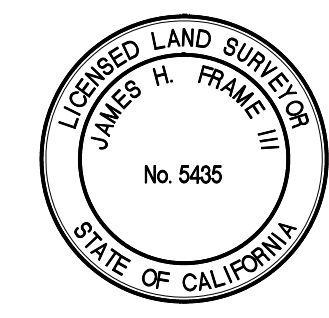
**LEGEND**

- 00 . . . . . TREE NUMBER
- . . . . . ELEVATION CONTOUR
- ★ . . . . . LIGHT
- 🌳 . . . . . TREE
- ▨ . . . . . AC PAVING
- ▩ . . . . . CONCRETE PAVING

**TREE LEGEND**

TREE NO.	SIZE	TYPE	ELEV
1	8"	REDWOOD	47.0
2	15"	UNIDENTIFIED	45.5
3	9"	REDWOOD	45.6
4	10"	PINE	47.8
5	8"	CHINESE ELM	45.9
6	8"	PINE	47.5
7	1"	UNIDENTIFIED	43.3
8	24"	UNIDENTIFIED	42.2
9	12"	UNIDENTIFIED	41.6
10	12"	PINE	40.6
11	20"	UNIDENTIFIED	41.4
12	1"	UNIDENTIFIED	43.6
13	24"	UNIDENTIFIED	45.7
14	18"	UNIDENTIFIED	46.2

**SURVEY CONTROL**  
ELEVATION DATUM: NAVD88, AS ESTABLISHED BY  
RTK OBSERVATIONS FROM STATION UCD1 (PID  
A14467; -0.05 FOOT ELLIPSOID HEIGHT PER  
CSRS EPOCH 2017.50) AND GEOID 12B.



REVISIONS:

---

PREPARED FOR:  
CITY OF DAVIS  
PUBLIC WORKS DEPARTMENT  
23 RUSSELL BOULEVARD  
DAVIS, CA 95616

---

DATE: APRIL, 2018    SCALE: 1" = 20'  
FIELD BOOK  
30

---

TOPOGRAPHIC SURVEY  
FUTURE PUMP TRACK SITE  
COMMUNITY PARK

---

**IF** FRAME SURVEYING & MAPPING  
609 A STREET    DAVIS, CA 95616  
530.756.8584    jhframe@dcn.org

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (“MOU”) regarding the **Community Park Pump Track** is made and entered into this 18th day of April 2023, by and between the **City of Davis**, a municipal corporation under the laws of the State of California (“City”), and **Davis Bike Park Alliance**, a non-profit 501(c)(3) organization (“DBPA”). City and Licensee are sometimes referred herein as “Party” and collectively as “Parties”.

### RECITALS

Whereas, the DBPA, a nonprofit 501(c)(3) organization, has expressed interest in providing volunteer labor to assist in maintaining the Pump Track.

Whereas, the parties to this MOU agree that this MOU supersedes and replaces any prior MOU, and any prior MOU is of no further force or effect.

### UNDERSTANDINGS

Now Therefore, The City of Davis and DBPA agree as follows:

#### SCOPE OF SERVICES AND TERMS

1. The City intends to construct and operate the Pump Track at Community Park in a manner as set forth in the plans and specifications for the Pump Track as developed and approved by the City. The City estimates that the work described in this section will be complete within nine (9) months of the date of this MOU, provided however that the City has no obligation to DBPA to complete the Pump Track within the time frame provided herein. Upon completion of construction of the Pump Track, the City will be the sole operator of the Pump Track and DBPA will be responsible for maintenance of the Pump Track in accordance with Exhibit “A” to this MOU.
2. Upon commencement of the Term of this MOU, as described below, the DBPA shall perform the tasks detailed in Exhibit “A,” which is fully incorporated herein.
3. Upon commencement of the Term of this MOU, as described below, the City shall perform the tasks detailed in Exhibit “B,” which is fully incorporated herein.
4. The term of this MOU shall begin once the Notice of Completion for the Pump Track is recorded with the County, and shall be one year with an automatic renewal at the end of each year unless terminated or amended.

5. After the initial term, the DBPA may terminate the MOU with a ninety day written notice delivered to the City. Notice must be delivered by certified U.S. mail to:

City of Davis  
Attn: City Manager  
23 Russell Boulevard  
Davis, CA 95616

6. The City may terminate this MOU for any reason with a ninety-day written notice delivered to the DBPA. Notice must be delivered by certified U.S. Mail to:

Davis Bike Park Alliance  
Attn: Ken Bradford

Davis, CA 95616

7. The MOU may be amended by a written agreement signed by both parties.
8. The DBPA will meet with the City annually to review the maintenance schedule, and tasks as detailed in Exhibits "A" and "B."
9. The DBPA shall notify the City in writing of any plans to alter the layout or features of the pump track.
10. The DBPA affirms and shall ensure that all volunteer services are offered freely and without pressure and coercion, direct or implied, from an employer.
11. None of DBPA's volunteers shall be otherwise employed for compensation at any time in any construction, alteration, demolition, installation, repair, or maintenance work on the Pump Track.
12. DBPA, and its volunteers hereby agrees to and shall complete and sign the City of Davis Volunteer Sign-In sheet prior to any volunteer service.
13. To the fullest extent permitted by law, the parties to this MOU shall indemnify, defend, and hold harmless each other from any and all liability, claims, suits, actions, proceedings, losses, expenses, injuries or damages, of any kind whatsoever, including attorneys' fees, court costs, and any other costs of any nature, without restriction, whether actual, alleged or threatened, incurred in relation to, as a consequence of, or arising out of, the performance of this MOU, and attributable to the fault of the other. Following a determination of the percentage of fault and or liability by agreement between the parties or a court of

competent jurisdiction, the party responsible for liability to the other will indemnify the other party to this MOU for the percentage of liability determined.

The terms of this Section 12 shall survive the expiration or termination of this MOU.

**SIGNATURES ON FOLLOWING PAGE**

**SIGNATURE PAGE FOR MEMORANDUM OF UNDERSTANDING  
BETWEEN THE CITY OF DAVIS AND DAVIS BIKE PARK ALLIANCE**

This MOU is entered into the 18th day of April 2023.

**CITY OF DAVIS**

**DAVIS BIKE PARK ALLIANCE**

By: \_\_\_\_\_

Michael Webb, City Manager

By: \_\_\_\_\_

Its: \_\_\_\_\_

Printed Name: \_\_\_\_\_

**Exhibit “A”**  
**Davis Bike Park Alliance Maintenance Services**

1. Participate in and provide support for routine maintenance of the Pump Track, including patching holes, and compaction of dirt to re-shape the Pump Track back to its original configuration.
2. Monitor, and inform the City of any material damage, and proposed changes to the Pump Track. City approval is required prior to any changes to the Pump Track.
3. Recruit and coordinate volunteers to assist in maintaining the Pump Track.
4. Assist the City with creation and education of Pump Track rules and etiquette.
5. Watering of the Pump Track on an as needed basis to minimize the amount of dirt eroded by wind, and maintain proper soil compaction.
6. Assist with keeping the track clean by picking up trash as needed, raking, and piling leaves during work parties, asking participants to clean-up after themselves and respect the park space.
7. Assist with weed removal, and plant pruning, which involves hand removal of weeds, and occasional plant pruning of plants encroaching onto the Pump Track during work parties. Leaves, prunings, and weeds will be placed in a pile, bags or tarps, and use of pesticides is prohibited.
8. Inspection and maintenance of dirt features by filling, packing, and smoothing pits, holes, gouges, erosion, etc. for all riding surfaces.
9. Removal of hazardous debris, trash, rocks, etc. throughout the Pump Track on riding surfaces.
10. Inspection, and alerting the City of any safety issues, vandalism and non-approved Pump Track modifications.
11. Inspection, and alerting the City of any drainage issues at the Pump Track.
12. Assist with periodic closure of the Pump Track due to weather conditions.
13. Perform regularly scheduled maintenance at designated intervals as indicated by the table below:

**Table 1: Maintenance Schedule**

DBPA Task	As Needed	Weekly	Monthly	Annually
Watering of the Pump Track	<b>X</b>			
Weed Removal, and Plant Pruning	<b>X</b>			
Patching of Track	<b>X</b>		<b>X</b>	
MOU Review with City				<b>X</b>



**Exhibit “B”**  
**City of Davis Maintenance Services**

1. Emptying waste bins near the Pump Track.
2. Raking and piling of leaves.
3. Weeding and plant pruning.
4. Supplying of additional dirt for repairs to the pump track.
5. Maintenance and repair of perimeter fence.
6. Irrigation, and drainage system maintenance and repair.
7. Site plant replacement, and tree trimming.
8. Establish, install and maintain appropriate signage.
9. Periodic closure of the Bike Park due to weather conditions.