

**From:** [Fumi Galvan](#)  
**To:** [John Gay \(JohnGay@co.imperial.ca.us\)](mailto:JohnGay@co.imperial.ca.us)  
**Cc:** [Timothy Reilly](#); [L Fischer](#); [Jack Holt](#); [George Galvan, AICP](#)  
**Subject:** RE: Heber Children"s Park - Alley ROW Vacation Request  
**Date:** Wednesday, December 29, 2021 11:02:41 AM  
**Attachments:** [11.11.21\\_ROW Vacation HPUD Childrens Park.pdf](#)  
[image001.png](#)  
[FM 12-22.tiff](#)  
[FM 12-23.tif](#)

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Hello John,

I am following up on the status of the alley ROW vacation at Heber Children's Park Project. Please let me know if you have any comments or questions. Thank you.

Sincerely,

Fumi Hamanaka Galvan, PE, PLS  
Project Engineer  
The Holt Group, Inc.  
1601 N. Imperial Ave.  
El Centro, CA 92243  
P. 760.337.3883 Ext. 102  
F. 760.337.5997  
Email. [fgalvan@theholtgroup.net](mailto:fgalvan@theholtgroup.net)

---

**From:** Fumi Galvan  
**Sent:** Thursday, November 11, 2021 12:07 PM  
**To:** John Gay ([JohnGay@co.imperial.ca.us](mailto:JohnGay@co.imperial.ca.us)) [johngay@co.imperial.ca.us](mailto:johngay@co.imperial.ca.us)  
**Cc:** Timothy Reilly [TimothyReilly@co.imperial.ca.us](mailto:TimothyReilly@co.imperial.ca.us); Laura Fischer ([lfischer@heber.ca.gov](mailto:lfischer@heber.ca.gov))  
[lfischer@heber.ca.gov](mailto:lfischer@heber.ca.gov); Jack Holt [jack@theholtgroup.net](mailto:jack@theholtgroup.net); George Galvan, AICP  
<[jgalvan@theholtgroup.net](mailto:jgalvan@theholtgroup.net)>  
**Subject:** Heber Children's Park - Alley ROW Vacation Request

Hello John,

I am assisting Heber Public Utility District with the Children's Park Improvements. As previously discussed with you and the County CEO, a small, triangular strip of the southern portion of the existing park is encroaching into the alley to the south of the park. HPUD obtained a grant to improve the park but must have tenure rights. Please find attached legal description and plat for the County to proceed with vacating the right-of-way of a portion of the alley. The supporting and backup documents such as the Title Report and reference maps are found in the link below:

 [744.087\\_Alley Survey Ref. Files](#)

Note that this is just a portion of the ongoing discussion regarding the full vacation/abandonment of the alley. We are continuing to work on the issues previously discussed with regards to the remaining portion of the alley (discussions with adjacent property owners, emergency access, etc.)

Please let me know if you need any additional information or have any revision comments. Thank you for your assistance with regards to this matter.

Sincerely,

Fumi Hamanaka Galvan, PE, PLS  
Project Engineer  
The Holt Group, Inc.  
1601 N. Imperial Ave.  
El Centro, CA 92243  
P. 760.337.3883 Ext. 102  
F. 760.337.5997  
Email. [fgalvan@theholtgroup.net](mailto:fgalvan@theholtgroup.net)

EXHIBIT "A"  
RIGHT OF WAY VACATION  
LEGAL DESCRIPTION

BEING A PORTION OF ALLEY OF BLOCK 6, HEBER PARK NORTH UNIT NO. 3, TRACT 818, UNINCORPORATED AREA, COUNTY OF IMPERIAL, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 12, PAGE 22 OF FINAL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF IMPERIAL COUNTY, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** AT THE SOUTHWEST CORNER OF LOT 3 OF SAID BLOCK 6;

THENCE ALONG THE SOUTH LINE OF SAID LOT 3 FOR THE FOLLOWING TWO COURSES:

THENCE NORTH 86°31'54" EAST 165.30 FEET;

THENCE NORTH 90°00'00" EAST 50.00 FEET TO THE SOUTHEAST CORNER OF SAID LOT 3;

THENCE SOUTH 28°46'04" EAST 11.41 FEET TO THE MOST WESTERLY CORNER OF SAID ALLEY;

THENCE SOUTH 90°00'00" WEST 55.49 FEET ALONG THE SOUTH LINE OF SAID ALLEY;

THENCE SOUTH 00°00'00" WEST 1.37 FEET;


THENCE SOUTH 90°00'00" WEST 164.99 FEET TO THE SOUTHERLY PROLONGATION LINE OF THE WEST LINE OF SAID LOT 3;

THENCE NORTH 00°00'00" EAST 1.37 FEET ALONG SAID PROLONGATION LINE TO THE **POINT OF BEGINNING**.

SAID DESCRIBED PARCEL CONTAINING 1,579 SQUARE FEET, MORE OR LESS.

FOR GRAPHICAL PURPOSES SEE EXHIBIT "B" ATTACHED HERETO AND BY THIS REFERENCE MADE A PART HEREOF.

Prepared under the supervision of:

  
Fumi Hamanaka Galvan, LS 8990  
Expires 03/31/2023  
The Holt Group, Inc  
1601 N Imperial Avenue  
El Centro, CA 92243  
(760) 337-3883

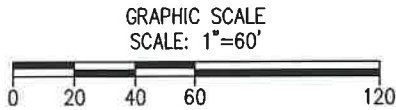
Date: 11.11.2021



THG NO. 744.001

# EXHIBIT "B" RIGHT OF WAY VACATION

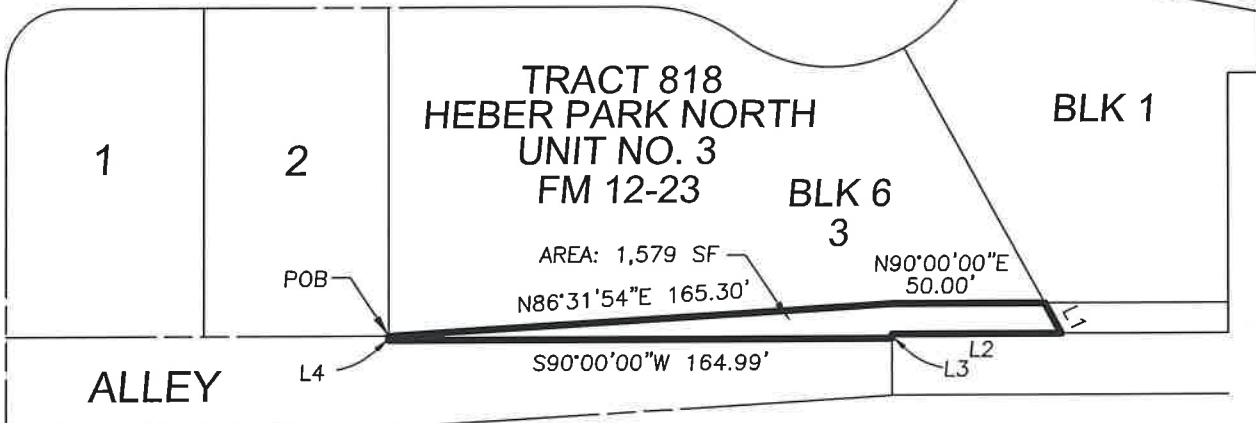
SHEET 1 OF 1



TRACT 816  
HEBER PARK NORTH  
FM 12-12

CRANE LANE

VALLEY BOULEVARD



LINE DATA

NO.	BEARING	DISTANCE
L1	S28°46'04"E	11.41'
L2	S90°00'00"W	55.49'
L3	S00°00'00"W	1.37'
L4	N00°00'00"E	1.37'

MAP NO. 226  
OM 3-70  
BLK 80

PREPARED UNDER THE SUPERVISION OF:

FUMI HAMANAKA GALVAN, L.S. 8990



**The Holt Group, Inc.**  
ENGINEERING PLANNING SURVEYING

201 E. Hobsonway, Blythe, CA. 92225  
Phone: (760) 922-4658 Fax: (760) 922-4660  
1601 N. Imperial Ave., El Centro, CA. 92243  
Phone: (760) 337-3883 Fax: (760) 337-5997

DATE: 10/28/2021

December 10, 2021

## PROGRESS REPORT FOR HPUD CHILDREN'S PARK

THG PROJECT NO. 744.087

### DESIGN PROGRESS

1. 90% Splash Pad Design Plans are under review.
2. 90% Landscape Plans are under review.
3. Continuous design work of the existing/demolition site plan, new site plan, and details.
4. Continuous design work of the plumbing and water pipeline installation.
5. Coordination with electrical engineer on the design details and changes.
6. Iteration of design and plan check review of the design plans.

### ALLEY RIGHT OF WAY VACATION

1. Submitted the legal description and plat for a small, triangular strip of the southern portion of the existing park encroaching into the alley to the south of the park to the County of Imperial Public Works Department on November 11, 2021.
2. Response/approval from the County of Imperial Public Works Department is pending.

### SCHEDULE OF EVENTS

1. Revised Schedule of Events was prepared as attached to this report. Due to the delay by a subconsultant (COVID related staff shortage) and also The Holt Group project/staffing conflict, the bid advertisement and the remaining schedule got pushed back.

# The Holt Group



Engineering Department

Municipal Design ■ Infrastructure Engineering ■ Construction Management ■ Land Surveying

## Heber Public Utility District

### Children's Park Renovation Project

State Park Development and Community Revitalization Project No. XS-13-036  
THG Project No. 744.087E

#### Schedule of Events

**Date: December 10, 2021**

<u>ITEM NO.</u>	<u>ITEM</u>	<u>SCHEDULE</u>
1.	Preparation of Cover Letter transmitting Legal Advertisement to the Imperial Valley Press. The Imperial Valley Press requires the Legal Advertisement 72 hours or 3 business days prior to the Advertising of the Project.	Tuesday, January 11, 2022
2.	Project Advertisement for Bidding in the Imperial Valley Press. Contact Contract Document Distribution Service Providers.	Friday, January 14, 2022 and Friday, January 21, 2022
3.	<b>Non-Mandatory</b> Pre-Bid Conference at <b>10:00 a.m.</b> in Children's Park located at 39 Crane Ct., Heber, CA 92249.	Friday, January 21, 2022
4.	<b>Bid Opening at 2:00 p.m.</b> at Heber Public Utility District Office, 1078 Dogwood Road, Suite 103, Heber, CA 92249.	Tuesday, February 15, 2022
5.	Bid Documents Review for Conformance with Bid Requirements.	Tuesday, February 15, 2022 through Thursday, February 17, 2022
6.	Award of Contract for Project Construction at the Specially Scheduled HPUD Board Meeting.	Thursday, February 24, 2022
7.	Processing of Contract Documents. Receive Insurance Certificates, Performance Bond and Payment Bond from Contractor. Review of Insurance and Bond Documents by District Attorney. Execution of Agreement and Notice to Proceed after approval of Insurance and Bond Documents by District Attorney.	Friday, February 25, 2022 through Friday, March 4, 2022

<u>ITEM NO.</u>	<u>ITEM</u>	<u>SCHEDULE</u>
8.	Project Construction Material Submittal Documents Review Period	Friday, February 25, 2022 through Friday, March 25, 2022
9.	Pre-Construction Conference at Heber Public Utility District Office at <b>10:00 a.m.</b>	Friday, February 25, 2022
10.	Issuance of Notice to Proceed to Contractor.	Friday, February 25, 2022
11.	Construction Start Day	Monday, March 7, 2022
12.	Project Construction – 195 Calendar Days. (50 Days estimated for Permitting Process and 145 Calendar Days estimated for Material Procurement and Construction).	Monday, March 7, 2022 through Saturday, September 17, 2022
13.	Final Project Inspection with Contractor, HPUD and County of Imperial Building and Health Departments.	Monday, September 12, 2022
14.	Contractor to address “Punch List” items and finish project construction.	Friday, September 16, 2022
15.	Filing of Notice of Completion at County of Imperial Recorder’s Office.	Monday, September 19, 2022
16.	Grand Opening of Children’s Park	Monday, September 19, 2022

## LANDSCAPE GENERAL NOTES

1. CONSTRUCTION DOCUMENTS ARE PART OF THE CONTRACT DOCUMENTS. BY SUBMITTING A BID OR STARTING WORK, THE CONTRACTOR SIGNIFIES UNDERSTANDING AND ACCEPTANCE OF ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS PROVIDED BY THE OWNER/DEVELOPER, INCLUDING BUT NOT LIMITED TO THE GENERAL CONDITIONS, SPECIAL CONDITIONS, PROJECT SPECIFICATIONS, CONSTRUCTION DOCUMENTS AND ANY ADDENDA.
2. THE CONTRACTOR SHALL EXAMINE THE SITE, COMPARE IT WITH THE PLANS, CAREFULLY EXAMINE ALL THE CONTRACT DOCUMENTS AND BECOME SATISFIED AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED BEFORE ENTERING INTO THIS CONTRACT. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE ON BEHALF OF THE CONTRACTOR ON ACCOUNT OF THAT CONTRACTOR'S ERROR, NEGLIGENCE OR FAILURE TO BECOME ACQUAINTED WITH THE CONDITIONS OF THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VISUALLY INSPECT THE SITE PRIOR TO STARTING THE WORK AND FOR DOCUMENTING DAMAGE TO ANY EXISTING FEATURES. ANY DAMAGE TO THE EXISTING STREETS, SIDEWALKS, ADJACENT PROPERTIES OR ANY EXISTING FEATURES THAT ARE TO REMAIN (INCLUDING BUT NOT LIMITED TO EXISTING PLANT MATERIAL AND UTILITIES) DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
4. COMPACTION OF BACKFILL BY JETTING IS NOT PERMITTED UNLESS SPECIFIC REPORTS ARE SUBMITTED BY THE GEOTECHNICAL ENGINEER TO THE ENGINEERING DIVISION STATING THAT COMPACTION OF BACKFILL BY JETTING IS AN ACCEPTABLE METHOD OF COMPACTION FOR THE SOILS ENCOUNTERED.
5. THE CONTRACTOR SHALL PERFORM ALL CLEARING, DEMOLITION, REMOVAL AND SITE PREPARATION NECESSARY FOR THE PROPER EXECUTION OF ALL WORK DESCRIBED WITHIN THIS PLAN SET. ANY ITEMS REQUIRED TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF SITE.
6. ALL EXISTING FEATURES AND STRUCTURES NOT SPECIFICALLY NOTED FOR REMOVAL SHALL BE RETAINED AND PROTECTED IN PLACE. ANY EXISTING FEATURES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO ORIGINAL CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
7. THE CONTRACTOR SHALL COMPLETE THE REQUIREMENTS OF THE LOCAL MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND THE CERTIFICATE OF COMPLETION (REQUIREMENTS ABOVE) UPON COMPLETION OF THE LANDSCAPE IMPROVEMENTS. FAILURE TO SUBMIT THE REQUIRED CERTIFICATES MAY DELAY THE FINAL APPROVAL OF THE LANDSCAPE IMPROVEMENTS AND PROJECT CERTIFICATE OF OCCUPANCY.
8. LANDSCAPE SUBMITTALS (MANUFACTURERS PRODUCT SHEETS) AND SAMPLES SHALL BE PROVIDED PRIOR TO THE START OF THE WORK. LANDSCAPE SUBMITTALS SHALL INCLUDE SOIL AMENDMENT ANALYSIS REPORT AND MATERIAL SAMPLES.
9. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST DURING THE CONSTRUCTION PERIOD (OR WHENEVER SOIL IS LEFT EXPOSED). ALL DUST CONTROL MEASURES MUST BE IMPLEMENTED AS NECESSARY, INCLUDING DAYS WHEN CONSTRUCTION ACTIVITIES ARE NOT OCCURRING (I.E. WEEKENDS OR HOLIDAYS).
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM 60-DAY MAINTENANCE PERIOD FOR ALL PLANTING AREAS. BEGIN MAINTAINING ALL PLANTINGS IMMEDIATELY UPON INSTALLATION THROUGH COMPLETION OF THE MAINTENANCE PERIOD. THE MAINTENANCE PERIOD SHALL NOT BEGIN UNTIL WRITTEN NOTICE IS PROVIDED TO THE CONTRACTOR BY THE OWNER. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN THE LANDSCAPE BEYOND THE 60-DAY PERIOD UNTIL THE OWNER PROVIDES WRITTEN ACCEPTANCE OF THE WORK. DEAD/DYING PLANTINGS SHALL BE REPLACED BY THE CONTRACTOR AT NOT COST TO THE OWNER DURING THE MAINTENANCE PERIOD.
12. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ELECTRICAL CONNECTION IN THE FIELD FOR THE IRRIGATION CONTROLLER. COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES.
13. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, TOOLS, MACHINERY, UTILITIES, TRANSPORTATION AND OTHER FACILITIES AND SERVICES NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK, WHETHER TEMPORARY OR PERMANENT, AND WHETHER INCORPORATED OR NOT INCORPORATED IN THE WORK.
14. THE CONTRACTOR SHALL SUPERVISE AND DIRECT ALL WORK, INCLUDING COORDINATION OF TRADES. ALL WORK SHALL BE ACCOMPLISHED BY LICENSED CONTRACTORS AND EXPERIENCED WORKERS. THE CONTRACTOR SHALL EMPLOY A SUPERINTENDENT TO SUPERVISE THE WORK ON SITE WHO SHALL BE THE CONTRACTORS REPRESENTATIVE.
15. CONFORM TO ALL APPLICABLE CODES AND ORDINANCES, INCLUDING AIR QUALITY, NOISE AND WORK HOUR REQUIREMENTS.
16. IF ANY HAZARDOUS MATERIALS, BURIAL MARKERS, ARCHEOLOGICAL MATERIALS OR WETLANDS ARE FOUND, CONTRACTOR SHALL SUSPEND WORK IMMEDIATELY AND NOTIFY THE OWNER IN WRITING. WORK SHALL BE SUSPENDED UNTIL THE SIGNIFICANCE OF THE DISCOVERY IS ASSESSED BY A QUALIFIED PROFESSIONAL AND MITIGATION MEASURES ARE APPROVED.
17. DURING PROGRESSION OF THE WORK, THE CONTRACTOR SHALL MAINTAIN A COPY OF THE DRAWINGS ON SITE IN A NEAT AND ORDERLY MANNER, INCLUDING ALL ADDENDA, REQUESTS FOR INFORMATION, SUPPLEMENTAL INFORMATION, APPROVED SUBSTITUTIONS, APPROVED SHOP DRAWINGS, AND OTHER DOCUMENTS AND MARK THIS COPY TO INDICATE FIELD CHANGES AND AS-BUILT CONDITIONS THROUGHOUT THE PROGRESSION OF THE WORK.
18. UNTIL PROJECT ACCEPTANCE, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND MAINTAIN THE JOB SITE, INCLUDING ERECTING TEMPORARY FENCING, REMOVING TRASH, SWEEPING AND CLEANING. THE JOB SITE SHALL BE KEPT IN A NEAT AND CLEAN CONDITION AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS ON THE JOB SITE AND SHALL REPLACE ANY MATERIALS DAMAGED OR LOST THROUGH THEFT OR OTHER REASONS AT NO ADDITIONAL COST TO THE OWNER.

## LANDSCAPE ARCHITECT

MSLA LANDSCAPE ARCHITECTURE, INC.  
306 CANYON FALLS DRIVE  
FOLSOM, CALIFORNIA 95630  
(916) 989-3372  
CONTACT: MICHAEL SHULAR  
MSHULAR@MSLADESIGN.COM

## APPROVAL SIGNATURES

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## CERTIFICATE OF COMPLETION

This certificate (or City/County Certificate) is to be completed by the applicant/owner upon completion of the landscape project. Contractor to coordinate all requirements with the owner and/or building inspector on required document(s) prior to final inspection. Contractor is responsible to include all minimum documents noted in this sample certificate as part of the landscape scope of work.

### PART 1 - PROJECT INFORMATION

Project Address and Contact Information

Date	Assessor's Parcel Number	
Project Name	Permit Number	
Name of Applicant	Phone Number	
	Fax Number	
Title	Email Address	
Company	Street Address	
City	State	Zip Code

Property Owner or His/Her Designee

Name of Applicant	Phone Number	
	Fax Number	
Title	Email Address	
Company	Street Address	
City	State	Zip Code

Property Owner

"I/we certify that I/we received copies of all the documents within the landscape documentation package and the certificate of completion and that it is our responsibility to see that the project is maintained in accordance with the landscape and irrigation maintenance schedule."

Property Owner Signature \_\_\_\_\_

Date \_\_\_\_\_

### PART 2 - CERTIFICATION OF INSTALLATION ACCORDING TO THE LANDSCAPE DOCUMENTATION PACKAGE

"I/we certify that based on periodic site observations, the work has been substantially completed in accordance with the water efficient landscape ordinance and that the landscape planting and irrigation installation conform with the criteria and specifications of the approved landscape documentation package"

Signature*	Date	
Name (print)	Telephone Number	
Title	Phone Number	
	Fax Number	
License Type and Number	Email Address	
Company	Street Address	
City	State	Zip Code

\*Owner, owners representative or the installation contractor

### PART 3 - SAMPLE IRRIGATION SCHEDULE

Irrigation contractor shall prepare an irrigation schedule for the entire project designating irrigation run-times for each zone with days of operation per season (Spring, Summer, Fall and Winter), cycles per day and shall be set per specific site requirements. The final schedule shall consider plant water requirements, sun exposure and water application.

### PART 4 - SCHEDULE OF LANDSCAPE AND IRRIGATION MAINTENANCE

Contractor to provide a written schedule for site planting and irrigation maintenance as required by the water efficient landscape ordinance, including a landscape waste diversion plan.

### PART 5 - LANDSCAPE IRRIGATION AUDIT REPORT

Provide an audit of the installed irrigation system conducted by a third party certified landscape irrigation auditor. Irrigation audit shall not be conducted by the person who designed the landscape or installed the landscape.

### PART 6 - SOIL MANAGEMENT REPORT

Contractor to attach the soils fertility report (per planting notes). Include a statement on contractors company letterhead certifying that all planters were amended per the recommendations of the soil fertility report. Include the certification as part of the certificate of completion.

### WATER EFFICIENT LANDSCAPE WORKSHEET

Project: **Childrens Park  
39 Crane Court  
Heber, California**

Maximum Applied Water Allowance (MAWA)

Area 3,467 ETAF: 0.45 Project Type: Commercial  
ETo 81.7 Station: El Centro SLA: 2588

MAWA = (ETo) (0.62) [(ETAF x LA) + [(1-ETAF) x SLA]

80,451 Gallons Per Year

Hydrozone/ Planting Description	Plant Water Use	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency	ETAF (PF/IE)	Hydrozone Area (HA) (square feet)	ETAF X Area	Estimated Total Water Use
<b>Regular Landscape Areas</b>								
1	Low	0.2	Drip	0.81	0.25	101	25	1,263
2	Low	0.2	Drip	0.81	0.25	357	88	4,465
3	Low	0.2	Bub	0.75	0.27	230	61	3,107
4	Low	0.2	Drip	0.81	0.25	191	47	2,389
						<b>Area Total</b>	<b>879</b>	<b>222</b>
<b>Special Landscape Areas</b>								
1					1	1,233	1,233	1,233
2					1	950	950	950
3					1	405	405	405
						<b>Area Total</b>	<b>2,588</b>	<b>2,588</b>
<b>ETWU Total</b>								<b>13,812</b>
<b>MAWA</b>								<b>80,451</b>

#### ETAF Calculations

Regular Landscape Areas

Total ETAF x Area	222
Total Area	879
Average ETAF	0.25

All Landscape Areas

Total ETAF x Area	2,810
Total Area	3,467
Site ETAF	0.81

Note: Average ETAF for regular landscape areas must be below .55 for residential projects and below .45 for commercial projects

## SHEET INDEX

### LANDSCAPE SHEETS

- L1 LANDSCAPE COVER SHEET
- L2 EXISTING SPRINKLER PLAN
- L3 IRRIGATION NOTES AND DETAILS
- L4 IRRIGATION PLAN
- L5 PLANTING PLAN

### PROJECT INFORMATION:

ADDRESS: 39 CRANE COURT, HEBER, CALIFORNIA 92249  
WATER SUPPLY: POTABLE/DOMESTIC  
LANDSCAPE AREA: 30,091 SQUARE FEET

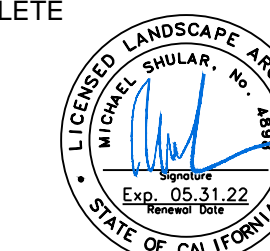
OWNER: HEBER PUBLIC UTILITY DISTRICT  
PHONE NUMBER: (760) 482-2440

LANDSCAPE ARCHITECT: MSLA LANDSCAPE ARCHITECTURE, INC.  
CONTACT: MICHAEL SHULAR, RLA NO. 4898

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

SIGNATURE \_\_\_\_\_

11/19/2021  
DATE



**The Holt Group, Inc.**

ENGINEERING • PLANNING • SURVEYING

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Blythe, CA 92225  
(760) 922-4658

NO.	REVISIONS:	APPROVED	DATE

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DESIGN BY: MS
DRAWN BY: MS
CHECKED BY: KB

#### PROJECT BENCH MARK:

THE PROJECT BENCHMARK IS A STANDARD DISK STAMPED "IPN GPS-19 RESET 1994" SET IN AN IMPERIAL IRRIGATION DISTRICT CONCRETE HEADWALL OF A CONCRETE BOX CULVERT. TO REACH THE BENCHMARK, GO 0.50 MILES EAST ON WILLOUGHBY ROAD FROM THE INTERSECTION OF DOGWOOD ROAD AND WILLOUGHBY ROAD TO WARE ROAD; THEN GO 163.50 NORTH ALONG WARE ROAD AND THE STATION TO THE LEFT, WEST 18.50 FEET FROM WARE ROAD CENTERLINE.  
PROJECT ELEVATION: 1000.34' (NAVD 88+1000)

PREPARED UNDER THE DIRECT SUPERVISION OF:	
MICHAEL SHULAR	4898 R.L.A. NO.
11/19/2021	5/31/22
DATE	REG. EXP.

#### PROJECT TITLE:

HEBER PUBLIC UTILITY DISTRICT  
CHILDREN'S PARK RENOVATION  
STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION  
PROJECT NO. XS-13-036

#### SHEET CONTENT:

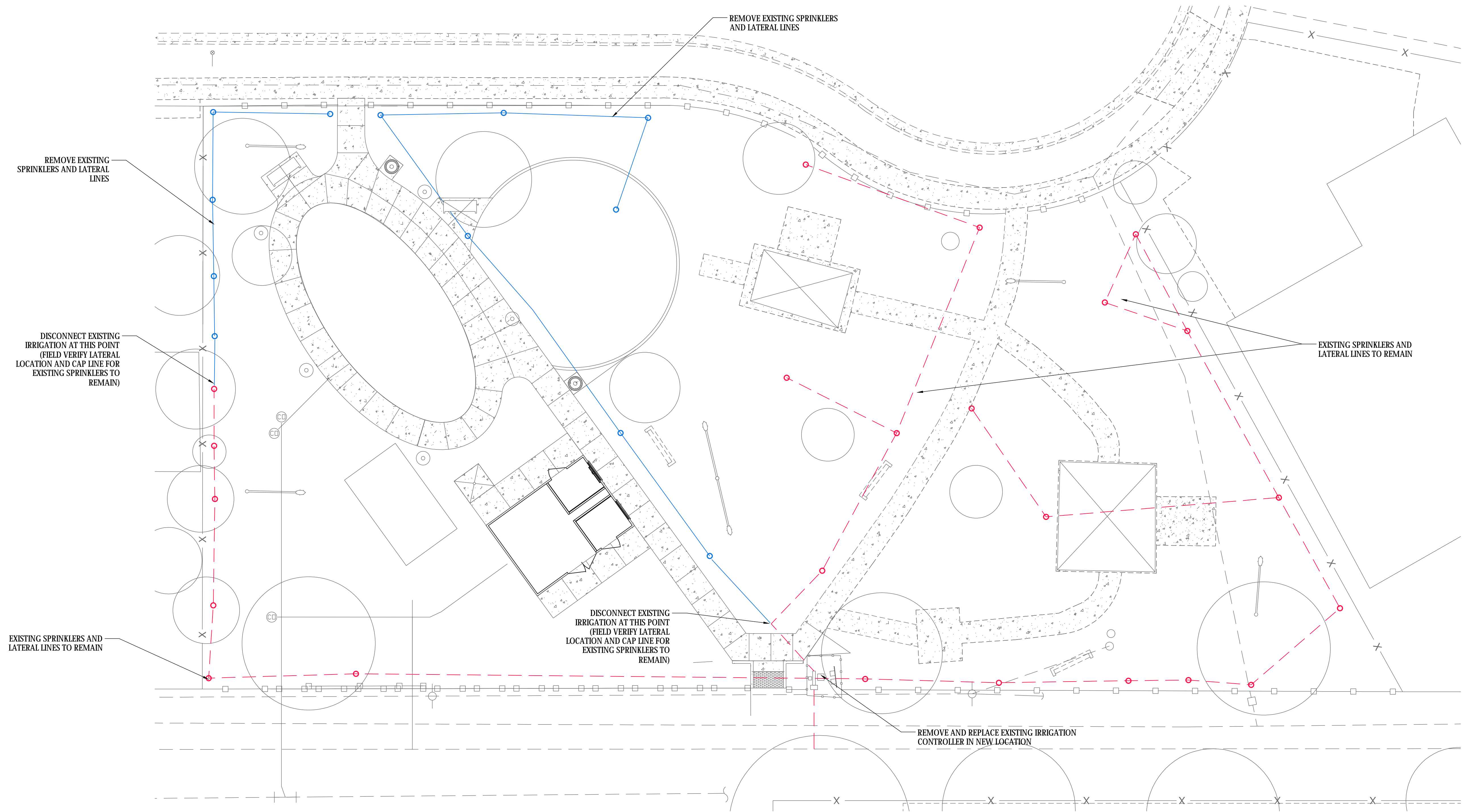
**LANDSCAPE COVER SHEET**

SHEET  
**L1**

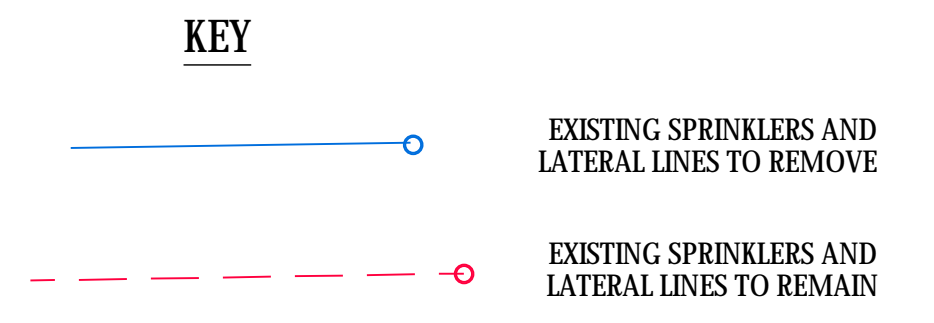
OF **XX** SHEETS

JOB NO.  
744.087E





### EXISTING SPRINKLER LINES



- NOTES:**
1. FIELD VERIFY LOCATION OF ALL ITEMS.
  2. FLUSH EXISTING LINES TO REMAIN AFTER CAP/REMOVAL OF LINES AND SPRINKLERS.
  3. RECONNECT EXISTING CONTROL WIRE TO NEW CONTROLLER AND CONTROLLER LOCATION.

**The Holt Group, Inc.**  
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PREPARED UNDER THE DIRECT SUPERVISION OF:

MICHAEL SHULAR

11/19/2021

DATE

4898

R.L.A. NO.

5/31/22

REG. EXP.

**PROJECT TITLE:**  
HEBER PUBLIC UTILITY DISTRICT  
CHILDREN'S PARK RENOVATION  
STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION  
PROJECT NO. XS-13-036

**SHEET CONTENT:**  
**EXISTING SPRINKLER PLAN**

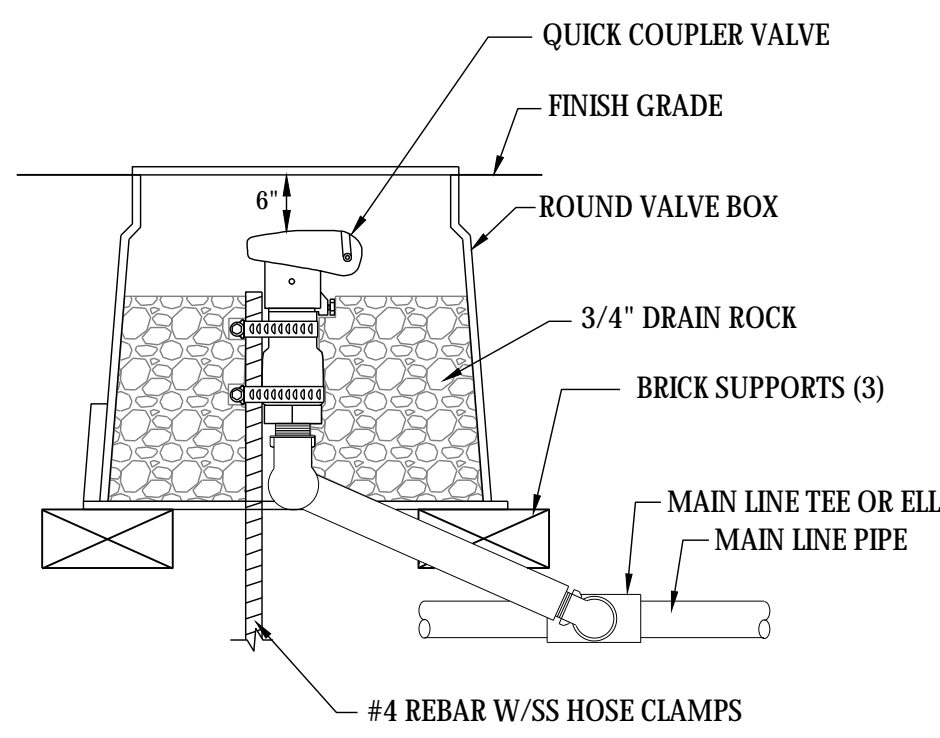
**SHEET**  
**L2**

OF **XX** SHEETS

JOB NO.  
744.087E

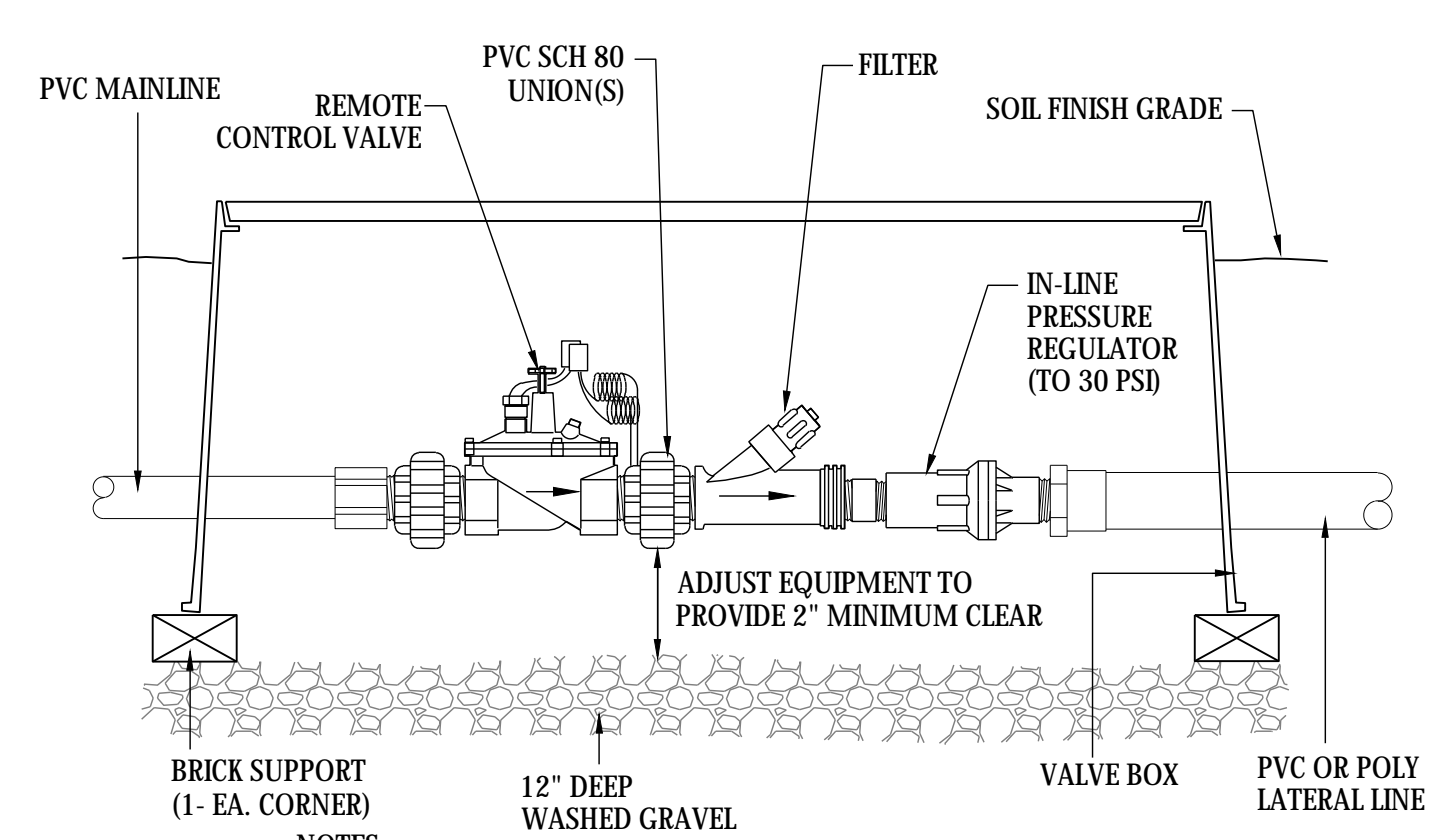
## IRRIGATION NOTES

1. THESE PLANS ARE DIAGRAMMATIC. ALL EQUIPMENT SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND SHALL BE INSTALLED IN PLANTING AREAS.
2. IRRIGATION CONTRACTOR SHALL FLUSH ALL LINES FOR MAXIMUM SYSTEM PERFORMANCE BEFORE AND AFTER EMITTER INSTALLATION.
3. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE PROJECT SPECIFICATIONS PRIOR TO BIDDING. THE PROJECT SPECIFICATIONS ARE PART OF THESE PLANS AND SHALL BE CONSULTED BY THE IRRIGATION CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE WORK AS SPECIFIED IN THE SPECIFICATIONS AND AS SHOWN ON THE PLANS (IF APPLICABLE).
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK.
5. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN THE PLANS AND/OR SPECIFICATIONS PRIOR TO BEGINNING WORK.
6. SUBSTITUTIONS, DELETIONS OR CHANGES TO THE PLANS OR SPECIFICATIONS SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF LANDSCAPE ARCHITECT.
7. ALL CONSTRUCTION SHALL CONFORM TO LOCAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO THE START OF WORK.
8. THE IRRIGATION PLAN IS SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS AS NECESSARY BASED ON ACTUAL FIELD CONDITIONS TO GUARANTEE ADEQUATE IRRIGATION COVERAGE TO ALL PLANT MATERIAL.
9. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE. TRENCHING WITHIN DRIP LINES OF TREES AND SHRUBS TO REMAIN SHALL BE DONE BY HAND. DAMAGE TO EXISTING TREE AND/OR PLANT MATERIAL TO REMAIN SHALL BE REPLACED BY THE CONTRACTOR IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
10. THE IRRIGATION CONTROLLER SHALL BE WIRED DIRECTLY TO A 110 VOLT POWER SOURCE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CONTROLLER WIRING TO THE POWER SOURCE. THE INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL ORDINANCES THAT APPLY.
11. THE FINAL LOCATION OF THE IRRIGATION CONTROLLER SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE.
12. ALL MATERIAL SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
13. SCHEDULE 40 PVC PIPE SLEEVING (2X THE SIZE OF PIPE TO BE SLEAVED) IS REQUIRED FOR ALL IRRIGATION LINES THAT RUN UNDER HARDSCAPE. IRRIGATION CONTRACTOR IS RESPONSIBLE TO COORDINATE PLACEMENT OF SLEEVING PRIOR TO PAVING OPERATIONS.
14. THREADED PLASTIC PIPE JOINTING: DO NOT USE SOLVENT CEMENT ON THREADED JOINTS, WRAP MALE PLASTIC THREADED JOINTS WITH TEFLON TAPE.
15. IRRIGATION VALVE BOXES SHALL BE NDS 10" ROUND WITH GREEN OR BLACK COVER, 13"x20" OR 14"x19" PRO SERIES RECTANGLE VALVE BOXES. SIZE OF BOX TO BE SELECTED TO ACCOMMODATE EASE OF ACCESS AND FUTURE MAINTENANCE OF VALVES. SEE IRRIGATION DETAILS FOR ADDITIONAL INFORMATION.
16. AS-BUILT OR RECORD DRAWINGS SHALL BE INCLUDED WITH THE PROJECT COMPLETION AND CERTIFICATION.
17. A COLOR-CODED AND LAMINATED DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES (MINIMUM SIZE TO BE 11"x17").
18. IRRIGATION CONTRACTOR RESPONSIBLE TO ADJUST/TUNE THE IRRIGATION INSTALLATION TO ELIMINATE OVERSPRAY ONTO SIDEWALKS OR DRIVEWAYS.



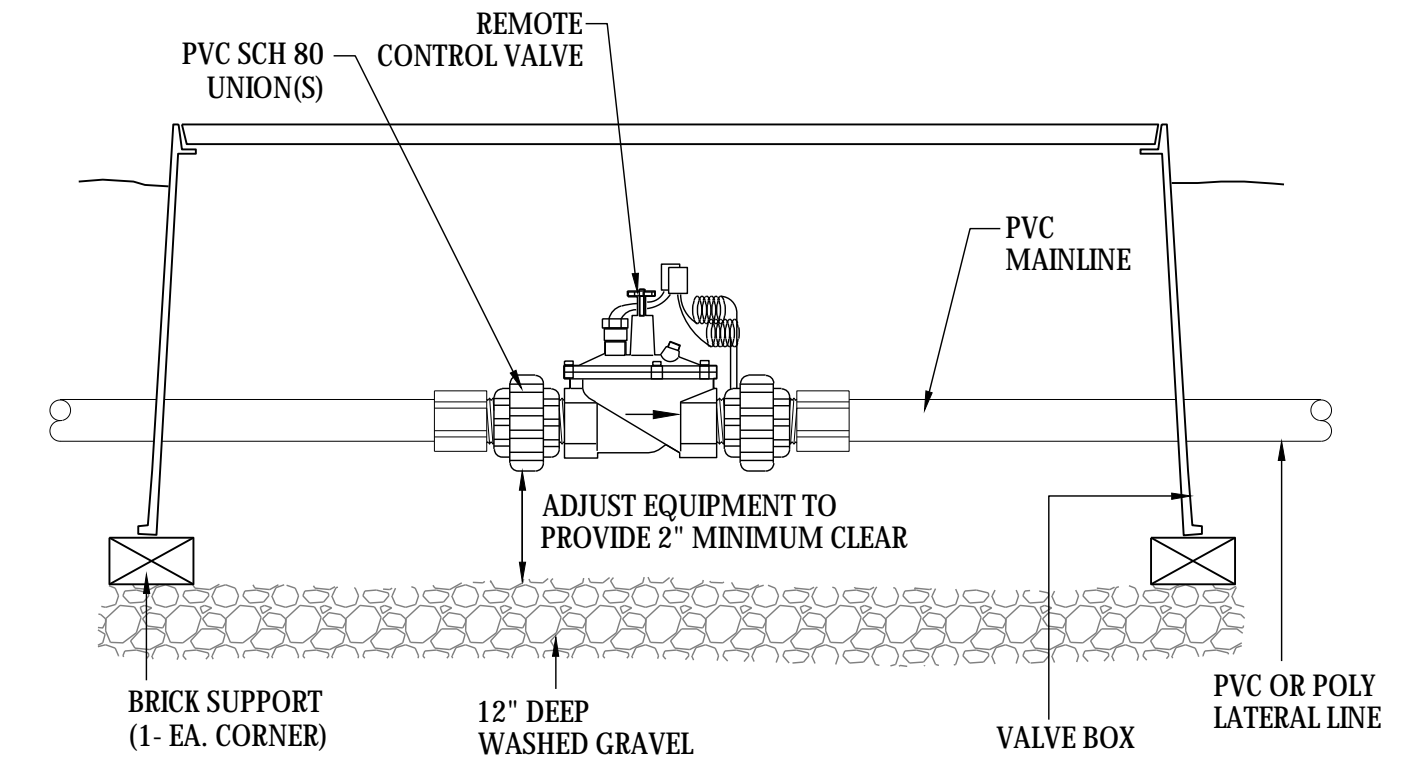
NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

**A- QUICK COUPLER**  
NTS



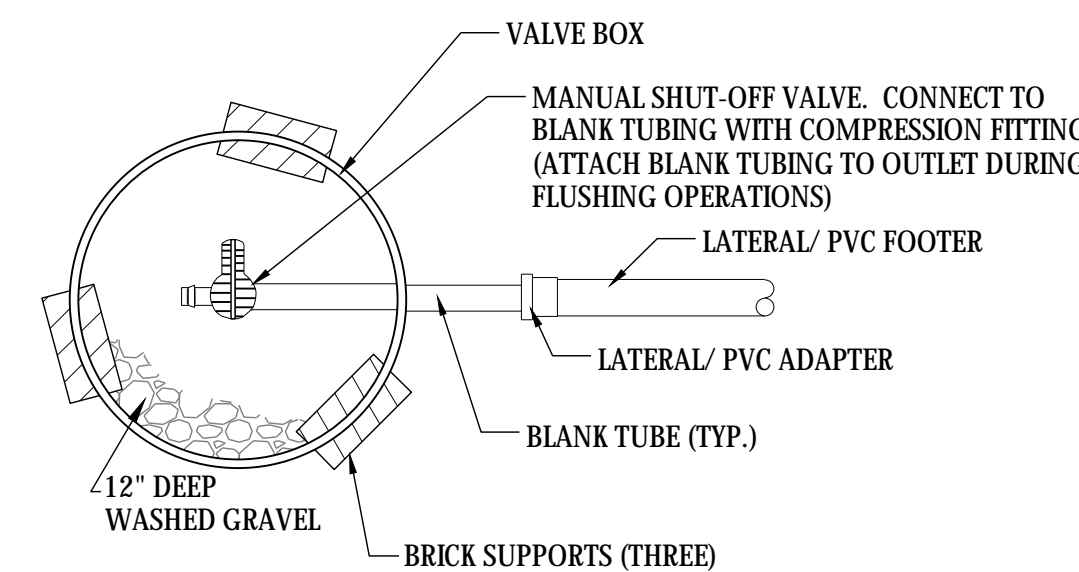
NOTES:  
1. INSTALL VALVE BOX WITH BOLT DOWN LIDS  
2. FINISH GRADE DEPTHS: 3/8" IN PLANTER, 2 1/2" IN SOD, 1 1/2" IN SEED.

**B-REMOTE CONTROL VALVE (DRIP ZONES)**  
NTS



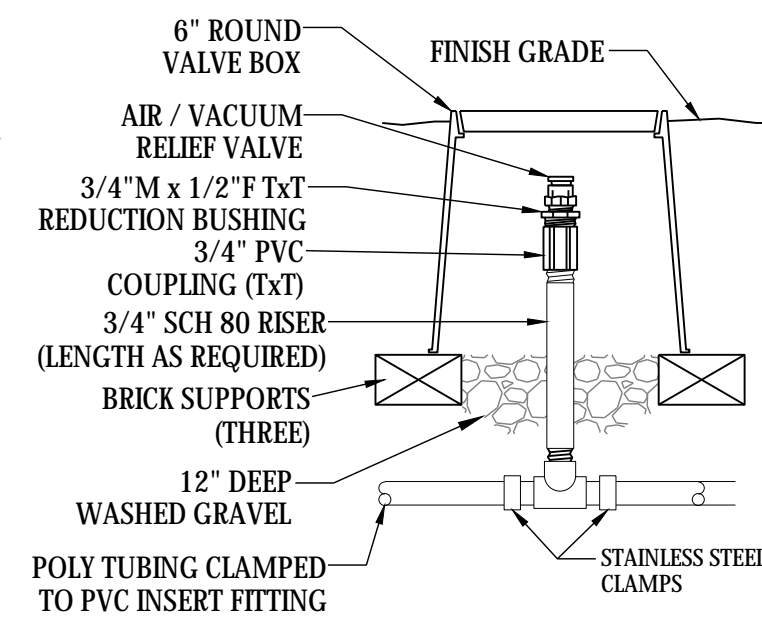
NOTES:  
1. INSTALL VALVE BOX WITH BOLT DOWN LIDS  
2. FINISH GRADE DEPTHS: 3/8" IN PLANTER, 2 1/2" IN SOD, 1 1/2" IN SEED.

**C-REMOTE CONTROL VALVE (BUBBLER ZONES)**  
NTS



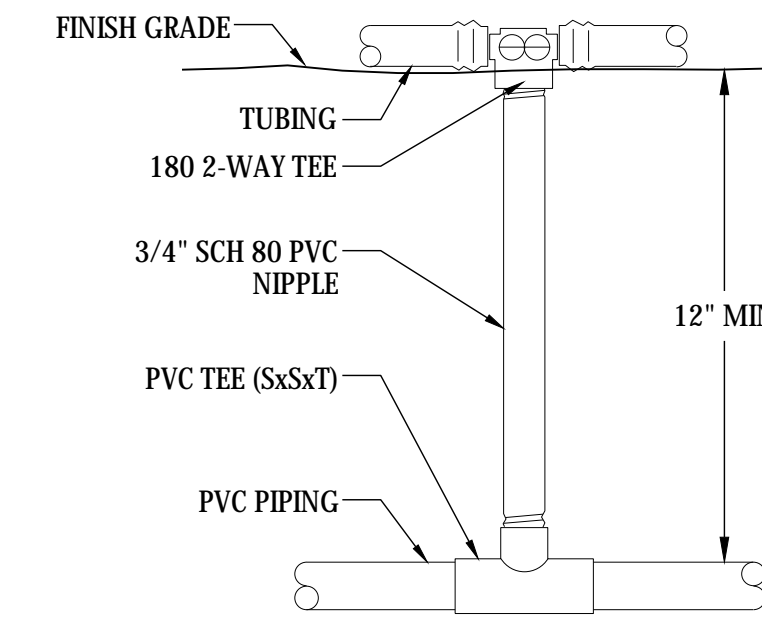
NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

**D- LINE FLUSH VALVE**  
NTS

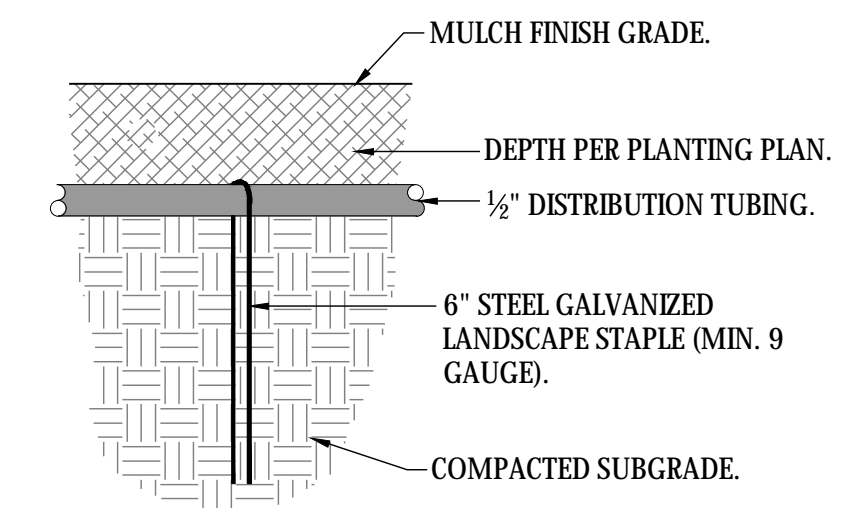


NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

**E- AIR/VACUUM RELIEF**  
NTS

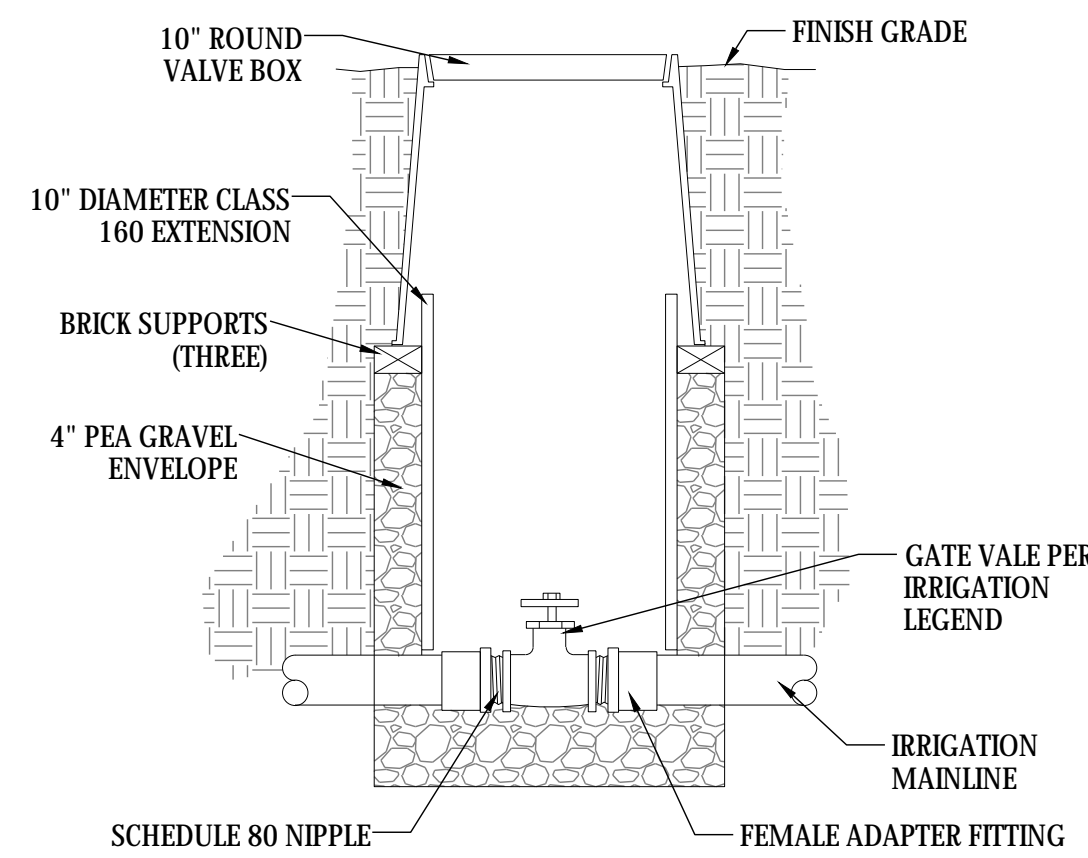


**F- STARTER CONNECTION**  
NTS



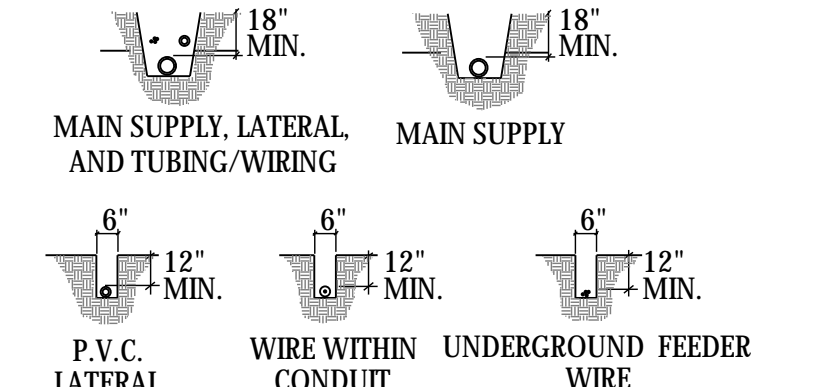
NOTES:  
1. LOCATE STAPLES ALONG TUBING AT 36" ON EMITTERS AND AT ALL FITTINGS (TEES, ELLS, ETC.).  
2. FULLY COVER DRIPTUBE WITH MULCH.

**G- DRIPTUBE STAPLE**  
NTS



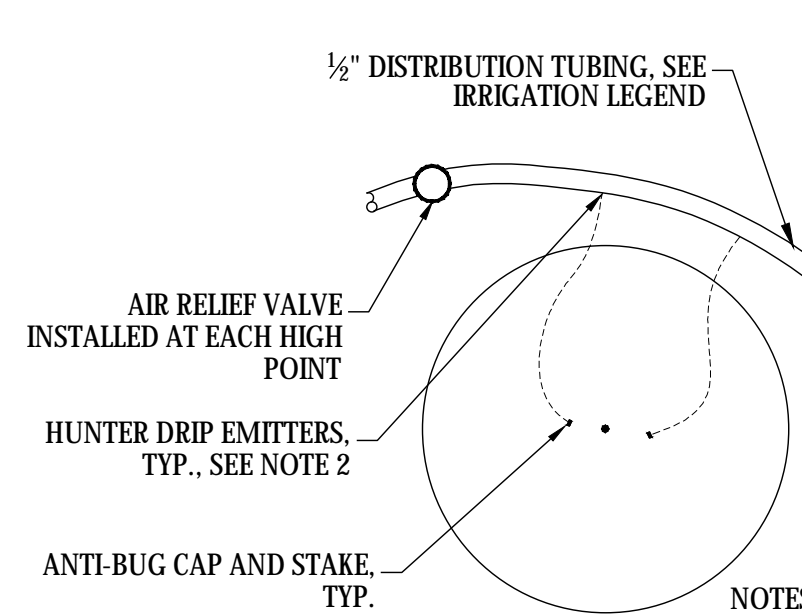
NOTE: INSTALL VALVE BOX WITH BOLT DOWN LID

**H- GATE VALVE**  
NTS



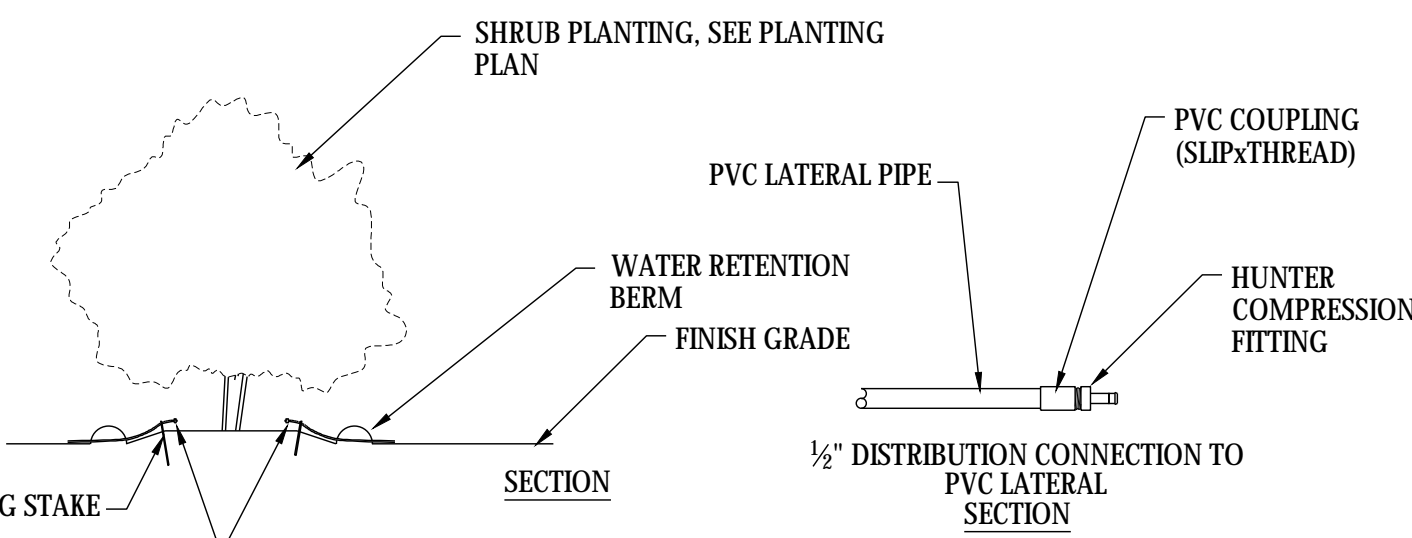
NOTES:  
1. ALL P.V.C. PIPING SHALL BE SNAKED IN TRENCHES.  
2. ALL WIRING TO BE INSTALLED PER LOCAL CODES.  
3. ALL WIRING TO BE BUNDLED AND TAPED AT 10' INTERVALS.  
4. ALL MAIN SUPPLY LINES TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.  
5. PROVIDE PIPE AND WIRE SLEEVING UNDER ALL PAVED SURFACES. WIRE SHALL BE WITHIN SEPARATE 2" ELECTRICAL CHASE.

**I- TRENCHING**  
NTS



NOTES:  
1. MAXIMUM LENGTH OF 1/4" TUBING NOT TO EXCEED 24" (OR AS RECOMMENDED BY MANUFACTURER).  
2. INSTALL TWO (2) 4.0 GPH EMITTERS PER 1 GALLON SHRUB.  
3. INSTALL TREES ON SEPARATE ZONES BUBBLERS.  
4. CONNECT 1/2" DISTRIBUTION LINE TO PVC LATERAL PER SECTION ABOVE.  
5. INSTALL SOIL STAPLES 36" ON CENTER ALONG THE DISTRIBUTION TUBE AND AT EVERY FITTING.  
6. ALL FITTINGS TO BE HUNTER PLD LOC FITTINGS.  
7. EMITTERS TO BE HUNTER POINT SOURCE PRESSURE COMPENSATING SELF-PIERCING (MODELS HE-10-B & HE-20-B).

**K- POINT SOURCE DRIP TUBE LAYOUT**  
NTS



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NO.	REVISIONS:	APPROVED	DATE	DESIGN BY:	CHECKED BY:
				MS	KB
				MS	

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

**PROJECT BENCH MARK:**  
THE PROJECT BENCHMARK IS A STANDARD DISK STAMPED "IPN GPS-19 RESET 1994" SET IN AN IMPERIAL IRRIGATION DISTRICT CONCRETE HEADWALL OF A CONCRETE BOX CULVERT. TO REACH THE BENCHMARK, GO 0.50 MILES EAST ON WILLOUGHBY ROAD FROM THE INTERSECTION OF DOGWOOD ROAD AND WILLOUGHBY ROAD TO WARE ROAD; THEN GO 163.50 NORTH ALONG WARE ROAD AND THE STATION TO THE LEFT, WEST 18.50 FEET FROM WARE ROAD CENTERLINE.  
PROJECT ELEVATION: 1000.34' (NAVD 88+1000)

PREPARED UNDER THE DIRECT SUPERVISION OF:  
MICHAEL SHULAR  
DATE: 11/19/2021

4898  
R.L.A. NO.  
5/31/22  
REG. EXP.

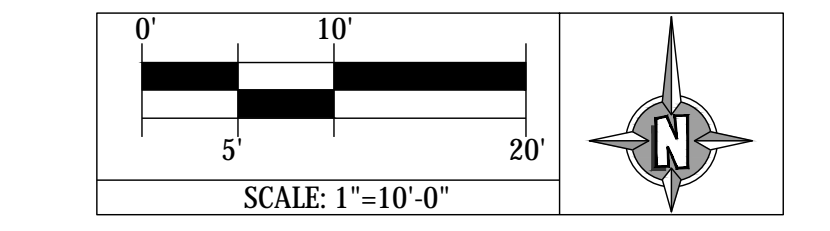
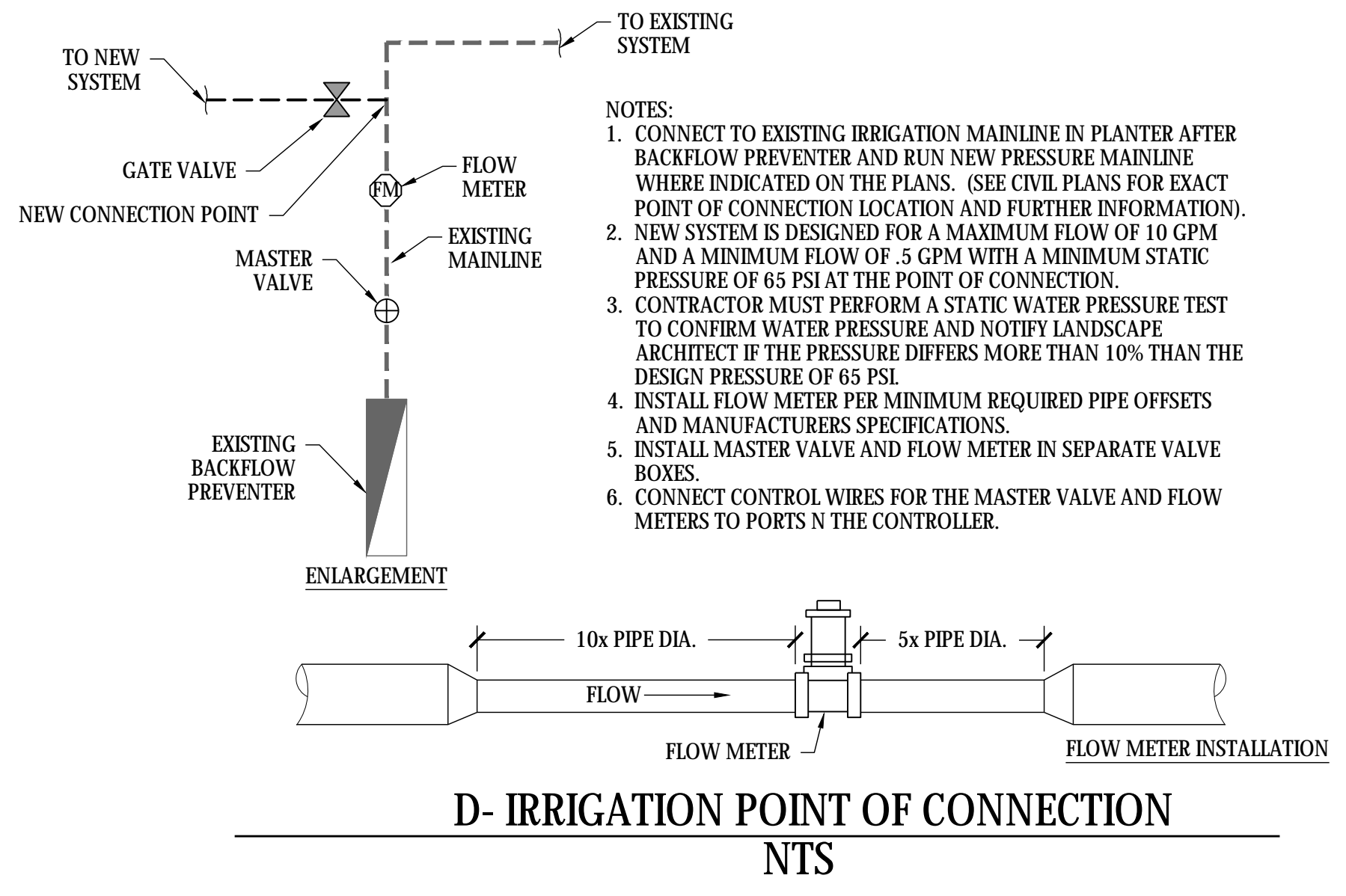
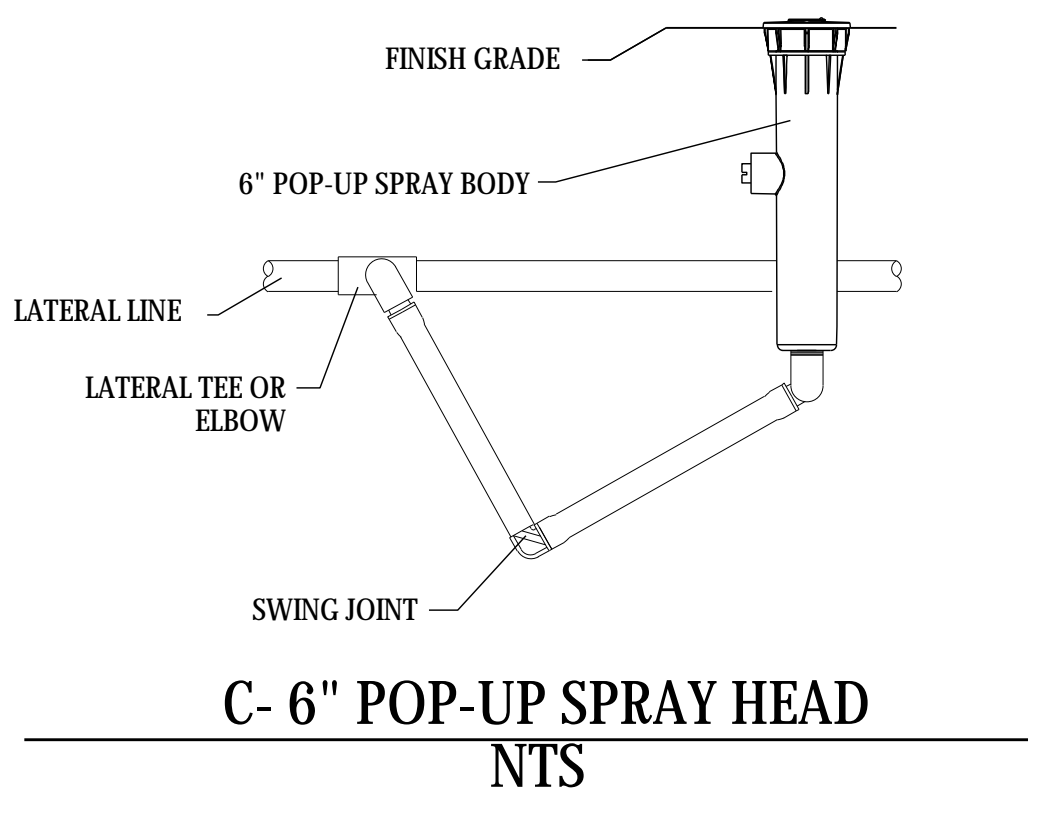
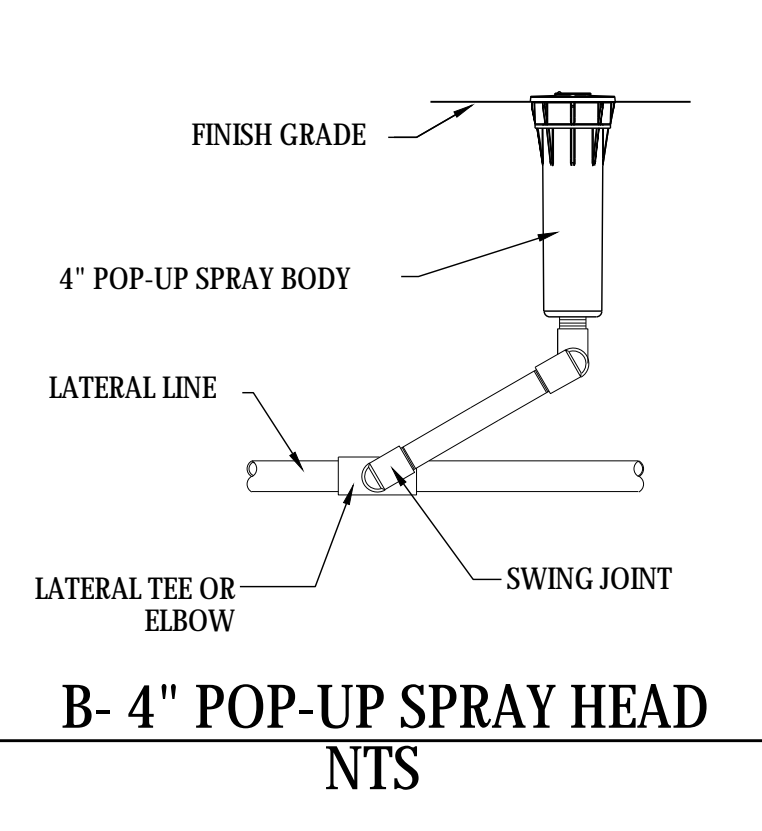
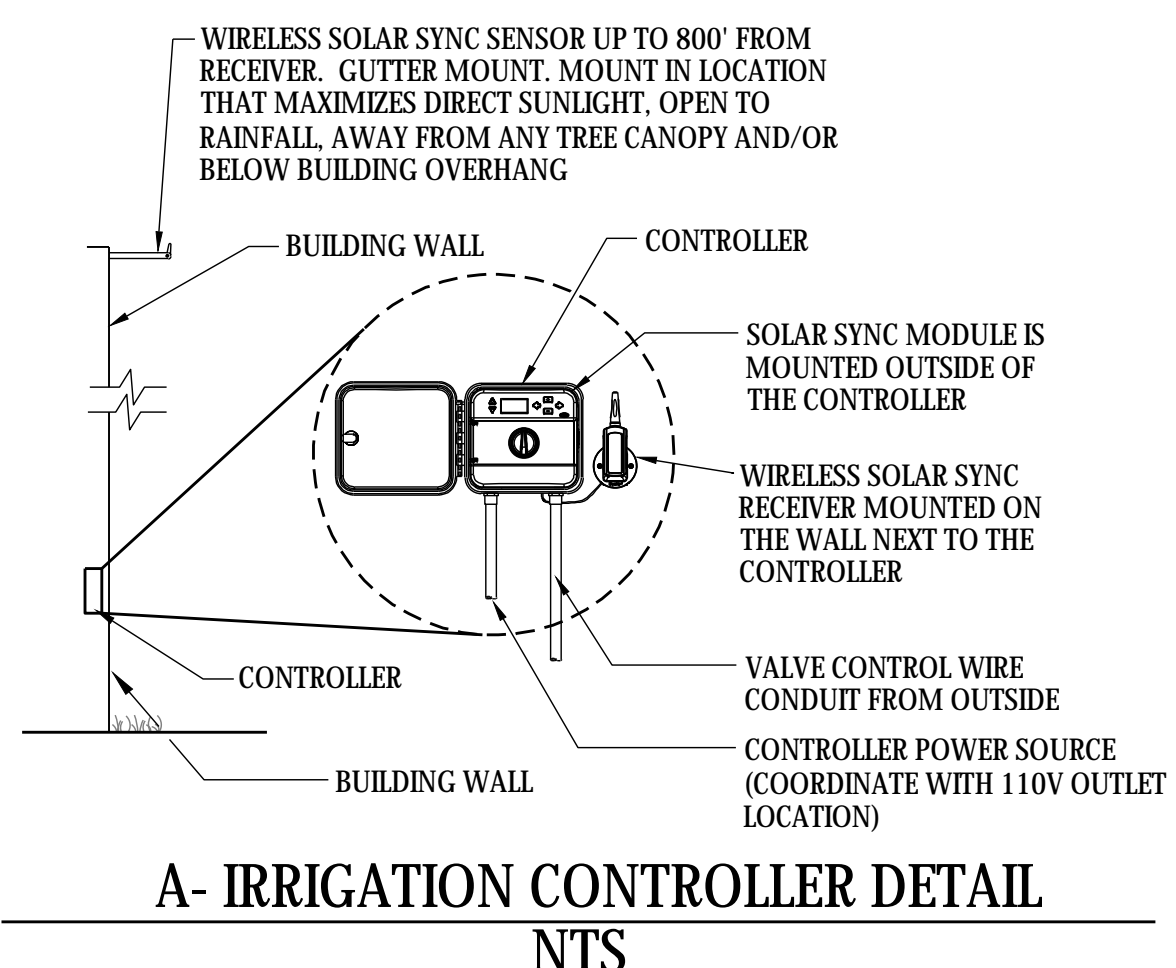
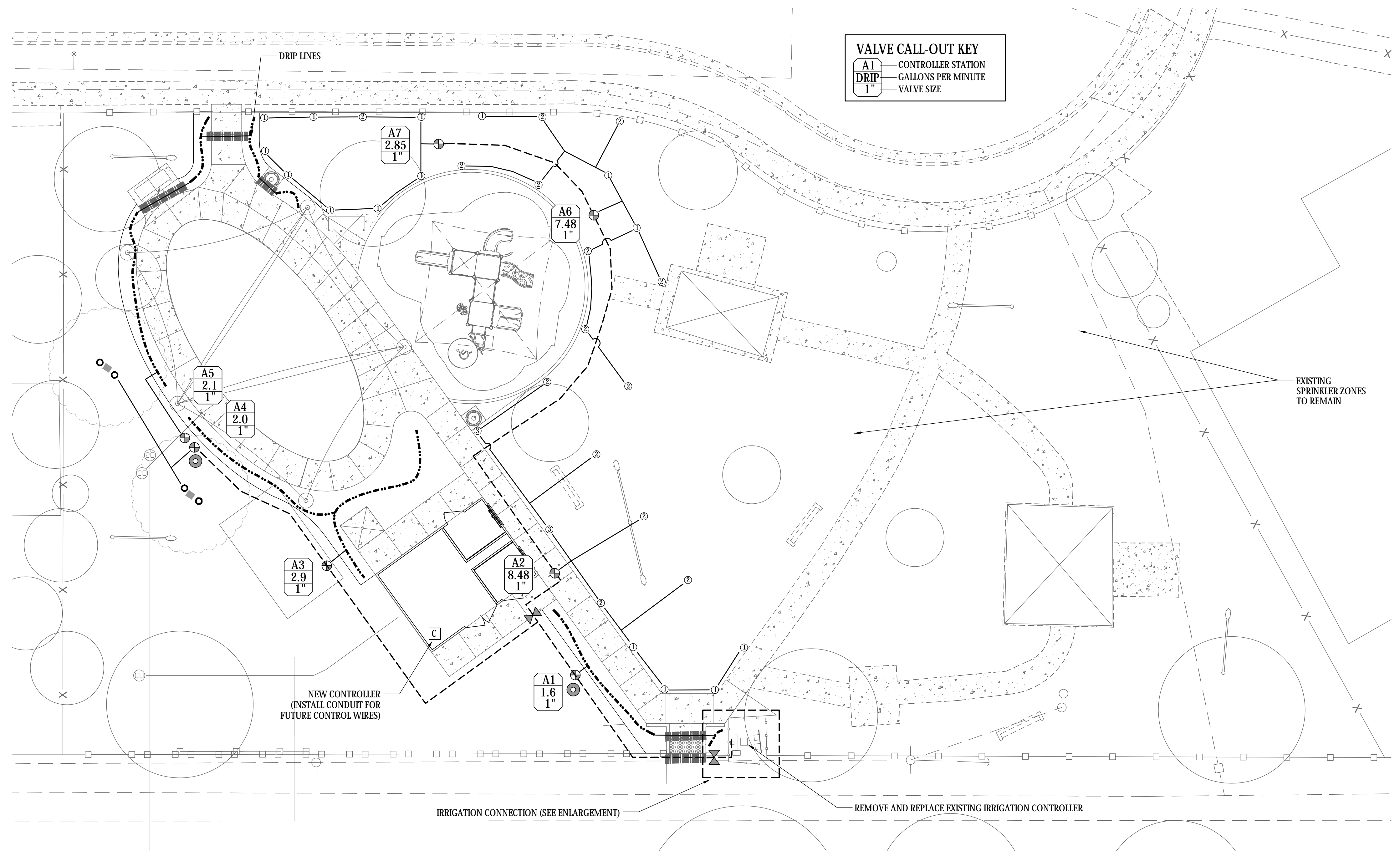
**PROJECT TITLE:**  
HEBER PUBLIC UTILITY DISTRICT CHILDREN'S PARK RENOVATION STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION PROJECT NO. XS-13-036

**SHEET CONTENT:**  
IRRIGATION NOTES AND DETAILS

**SHEET**  
**L3**  
**OF XX SHEETS**  
JOB NO. 744.087E

IRRIGATION LEGEND					
SYMBOL	MANUFACTURER	REMARKS			
⊕	1-1/2" HUNTER ICV MASTER VALVE	INSTALL PER MANUFACTURERS SPECIFICATIONS.			
⊕	FLOMEC 1-1/2" ULTRA SONIC FLOW METER (MODEL QS200-15)	INSTALL PER MANUFACTURERS SPECIFICATIONS.			
⊕	AUTOMATIC IRRIGATION CONTROL VALVES: HUNTER ICZ DRIP ZONE CONTROL KIT (DRIP) HUNTER ICV VALVES (TREE BUBBLERS)	INSTALL PER MANUFACTURERS SPECIFICATIONS. SIZE PER PLAN. ADJUST/TUNE VALVES AS REQUIRED TO ENSURE PROPER WATER DISTRIBUTION TO ALL PLANTER AREAS.			
⊕	NIBCO T-113 GATE VALVE	LINE SIZE			
⊕	HUNTER I-CORE 12-STATION GRAY METAL PEDESTAL CONTROLLER. (COORDINATE FINAL LOCATION WITH OWNER).	PROVIDE 110V ELECTRICAL CONNECTION IN FIELD TO CONTROLLER LOCATION AS SHOWN AND AS APPROVED BY OWNER PRIOR TO INSTALLATION.			
⊕	HUNTER 1" QUICK COUPLING VALVE W/ LOCKING COVER	MODEL HQ-44IRC			
NOT SHOWN	HUNTER SOLAR SYNC (WIRELESS SENSOR WITH MOUNTING ARM, DIGITAL MODULE AND RECEIVER)	INSTALL PER MANUFACTURERS SPECIFICATIONS.			
	SLEEVING LOCATIONS FOR IRRIGATION LINE CROSSINGS. (SLEEVES TO BE 2X THE SIZE OF THE PIPE TO BE SLEEVED).	COORDINATE WITH SITE DEVELOPMENT PLANS AND OTHER TRADES.			
---	HUNTER PLD BLANK TUBE DRIP LINES (NON-PRESSURE)	INSTALL PER POINT SOURCE DRIP DETAIL I/SHEET L1.			
---	CLASS 200 PVC LATERAL LINES (NON-PRESSURE)	INSTALL PER IRRIGATION DETAILS. SIZE PER PLAN.			
---	PIPE-HOP LOCATIONS	GRAPHIC TO DENOTE SEPARATION OF ZONES.			
---	2" SCHEDULE 40 PVC IRRIGATION MAINLINE. ACTUAL LOCATION SHALL BE LOCATED WITHIN PLANTER AREAS.	IRRIGATION MAINLINE SHOWN UNDER PAVED AREAS FOR PLAN CLARITY ONLY.			
○	HUNTER PROS-04-CV WITH PCN-50 BUBBLER NOZZLE. INSTALL WITH FACTORY INSTALLED CHECK VALVE. NOTE: INSTALL TWO (2) PER TREE- 1.0 GPM TOTAL PER TREE.	TRICKLE PATTERN .5 GPM 30 PSI			
SPRINKLERS-					
SYMBOL/ PATTERN*	MFG	MODEL NUMBER	RADIUS/ PATTERN	GPM	PRESSURE
⊕	HUNTER	PRS30-06-CV WITH MP3000 ADJUSTABLE ARC NOZZLE	20'-26'	76-2.37	30 PSI
⊕	HUNTER	PRS30-06-CV WITH MP2000 ADJUSTABLE ARC NOZZLE	13'-17'	38-1.25	30 PSI
⊕	HUNTER	PRS30-06-CV WITH MP2000 ADJUSTABLE ARC NOZZLE	8'-12'	17-.34	30 PSI
*SYMBOL/PATTERN SHOWN FOR MP ROTATOR NOZZLES ARE DIAGRAMMATICAL. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF NOZZLE PATTERN (QUARTER, HALF, FULL, ETC) AND ADJUSTING SPRAY ARC TO MINIMIZE OVERSPRAY ONTO ADJACENT AREAS.					
NOTES: 1. FULL CIRCLE SPRAY NOZZLES SHALL BE 360° FIXED PATTERN. 2. INSTALL SPRINKLER BODIES WITH FACTORY INSTALLED CHECK VALVES TO PREVENT LOW HEAD DRAINAGE. 3. INSTALL PER DETAIL C. SHEET L1.					

**MWELO NOTE**  
INSTALLATION OF HUNTER I-CORE CONTROLLER WITH  
SOLAR SYNC AND FLOW SENSOR SATISFIES MWELO  
REQUIREMENTS FOR SMART CONTROLLER AND  
IRRIGATION SUB-METER WITH REAL TIME FLOW  
MONITORING CAPABILITIES.



- NOTES:**
1. CONNECT TO EXISTING IRRIGATION MAINLINE IN PLANTER AFTER BACKFLOW PREVENTER AND RUN NEW PRESSURE MAINLINE WHERE INDICATED ON THE PLANS. (SEE CIVIL PLANS FOR EXACT POINT OF CONNECTION LOCATION AND FURTHER INFORMATION).
  2. NEW SYSTEM IS DESIGNED FOR A MAXIMUM FLOW OF 10 GPM AND A MINIMUM FLOW OF .5 GPM WITH A MINIMUM STATIC PRESSURE OF 65 PSI AT THE POINT OF CONNECTION.
  3. CONTRACTOR MUST PERFORM A STATIC WATER PRESSURE TEST TO CONFIRM WATER PRESSURE AND NOTIFY LANDSCAPE ARCHITECT IF THE PRESSURE DIFFERS MORE THAN 10% THAN THE DESIGN PRESSURE OF 65 PSI.
  4. INSTALL FLOW METER PER MINIMUM REQUIRED PIPE OFFSETS AND MANUFACTURERS SPECIFICATIONS.
  5. INSTALL MASTER VALVE AND FLOW METER IN SEPARATE VALVE BOXES.
  6. CONNECT CONTROL WIRES FOR THE MASTER VALVE AND FLOW METERS TO PORTS IN THE CONTROLLER.

- FLOW SENSOR NOTE:**
1. INSTALL FLOW SENSOR ON EXISTING SECTION OF IRRIGATION MAINLINE (AFTER EXISTING BACKFLOW PREVENTER).
  2. FLOW SENSOR DESIGN RANGE REQUIRES A MAXIMUM FLOW OF 82 GPM.
  3. CONTRACTOR TO CONFIRM FLOW OF EXISTING SPRINKLER ZONES TO REMAIN FOR COMPATIBILITY WITH NEW FLOW SENSOR DESIGN FLOW SPECIFICATIONS.
  4. PROVIDE BID OPTION TO INSTALL FLOW SENSOR ON NEW SECTION OF MAINLINE TO CAPTURE FLOW OF NEW DESIGN IN THE EVENT THAT EXISTING FLOWS EXCEED THE MAXIMUM ALLOWABLE FLOW OF 82 GPM.

**IRRIGATION COMPLIANCE STATEMENT:**  
I HAVE COMPLIED WITH THE CRITERIA OF THE WATER EFFICIENT ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN.  
SIGNED: \_\_\_\_\_ DATE: 11/18/2021

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NO.	REVISIONS:	APPROVED	DATE

**PROJECT BENCH MARK:**  
THE PROJECT BENCHMARK IS A STANDARD DISK STAMPED "IPVN GPS-19 RESET 1994" SET IN AN IMPERIAL IRRIGATION DISTRICT CONCRETE HEADWALL OF A CONCRETE BOX CULVERT. TO REACH THE BENCHMARK, GO 0.50 MILES EAST ON WILLOUGHBY ROAD FROM THE INTERSECTION OF DOGWOOD ROAD AND WILLOUGHBY ROAD TO WARE ROAD; THEN GO 163.50 NORTH ALONG WARE ROAD AND THE STATION TO THE LEFT, WEST 18.50 FEET FROM WARE ROAD CENTERLINE.  
PROJECT ELEVATION: 1000.34' (NAVD 88+1000)

DESIGN BY: MS  
DRAWN BY: MS  
CHECKED BY: KB

PREPARED UNDER THE DIRECT SUPERVISION OF:  
MICHAEL SHULAR  
11/19/2021  
DATE

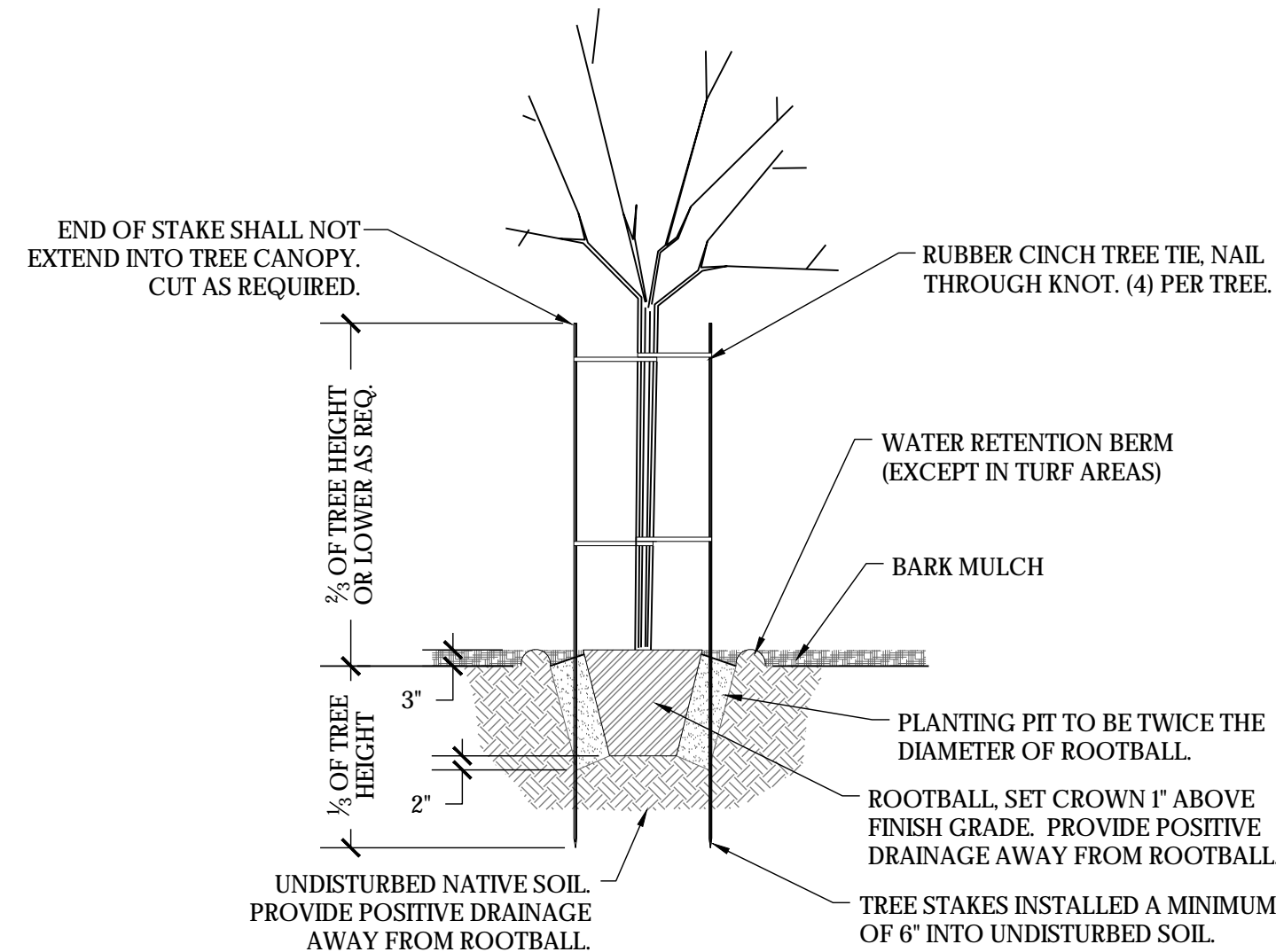
**PROJECT TITLE:**  
HEBER PUBLIC UTILITY DISTRICT  
CHILDREN'S PARK RENOVATION  
STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION  
PROJECT NO. XS-13-036

**SHEET CONTENT:**  
IRRIGATION PLAN

**SHEET**  
**L4**  
**OF XX SHEETS**  
JOB NO.  
744.087E

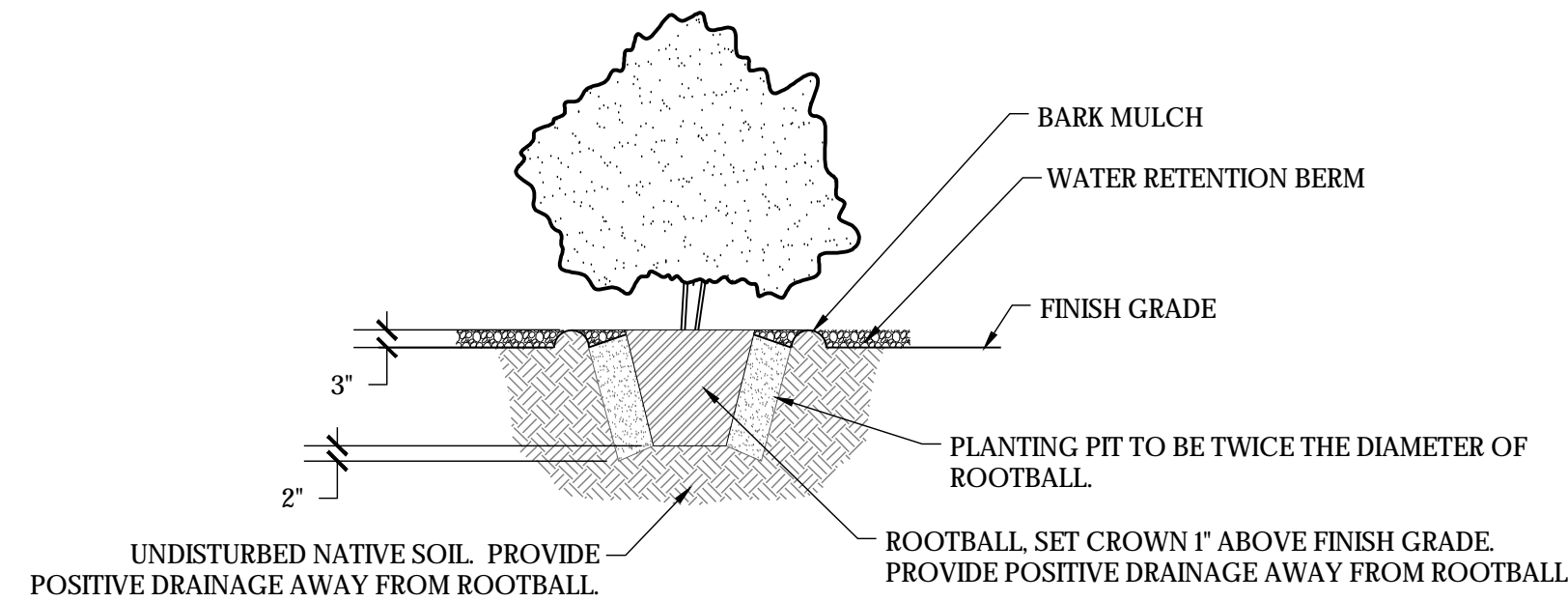
## PLANTING NOTES

1. PLANTING SHALL CONFORM TO LOCAL REQUIREMENTS FOR LANDSCAPE SITE DEVELOPMENT.
2. PROVIDE MINIMUM SLOPE OF 1 1/2% FOR POSITIVE DRAINAGE AWAY FROM CENTER IN ALL PLANTED AREAS.
3. THE PLANT QUANTITIES SHOWN ON THE DRAWINGS ARE INFORMATIONAL ONLY. THE CONTRACTOR IS RESPONSIBLE FOR FINAL QUANTITIES REQUIRED TO COMPLETE THE WORK. IN CASE OF DISCREPANCY, THE PLAN SHALL GOVERN.
4. ALL TREES SHALL BE PLANTED A MINIMUM OF 5' FROM UNDERGROUND UTILITIES.
5. IMMEDIATELY AFTER AWARD OF CONTRACT, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF SPECIFIED PLANT MATERIAL IS AVAILABLE FROM COMMERCIAL NURSERIES. IN THE EVENT THAT A PLANT IS NOT AVAILABLE, THE LANDSCAPE ARCHITECT WILL PROVIDE ALTERNATE PLANT MATERIAL SELECTIONS. SUCH CHANGES WILL NOT ALTER THE CONTRACTOR'S ORIGINAL BID PRICE UNLESS A CREDIT IS DUE TO THE OWNER.
6. THE CONTRACTOR SHALL ENSURE THAT ALL EXCAVATED PLANT PITS HAVE POSITIVE DRAINAGE. PLANT PITS SHALL BE FULLY FILLED WITH WATER AND SHALL DRAIN WITHIN ONE (1) HOUR OF FILLING. THE CONTRACTOR SHALL EXCAVATE THROUGH ANY IMPERVIOUS LAYER IF ENCOUNTERED.
7. ALL PLANT MATERIAL SHALL COMPLY WITH ANSI Z601 STANDARD FOR NURSERY STOCK.
8. ROOT BARRIERS SHALL BE PROVIDED FOR ALL TREES WITHIN 6' OF ANY CURB AND/OR HARDSCAPE PAVEMENT. INSTALL IN LINEAR FASHION AND EXTEND A MIN. OF 5' IN EACH DIRECTION. DO NOT ENCIRCLE THE ROOTBALL.
9. ALL PLANTER AREAS (AND/OR AREAS NOTED) SHALL RECEIVE A 3" LAYER OF BARK MULCH.
10. ALL PLANTER AREAS TO BE FREE FROM DEBRIS, TRASH, CONSTRUCTION MATERIAL, WOOD, ETC WITHIN THE TOP 6" OF THE SOIL. SOIL SHALL BE FREE FROM STONES GREATER THAN 1" IN DIAMETER WITHIN THE TOP 6" OF SOIL PROFILE.
11. THE CONTRACTOR SHALL PROVIDE A SOILS REPORT PREPARED BY A QUALIFIED SOILS SPECIALIST AND SUBMIT TO THE OWNER FOR FINAL APPROVAL. SOILS SAMPLES SHALL BE COLLECTED AFTER ROUGH GRADING OPERATIONS AND PRIOR TO THE INSTALLATION OF PLANT MATERIAL. SOIL SAMPLES SHALL BE SUFFICIENTLY NUMEROUS TO ACCOUNT FOR ANY SOIL VARIATIONS THAT MAY BE PRESENT ON THE SITE. THE FOLLOWING MINIMUM ITEMS SHALL BE INCLUDED IN THE ANALYSIS:
  - A. INFILTRATION RATE.
  - B. SOIL TEXTURE.
  - C. CATION EXCHANGE CAPACITY.
  - D. SOIL FERTILITY INCLUDING TESTS FOR NITROGEN, POTASSIUM, PHOSPHOROUS, PH, ORGANIC MATTER AND SPECIFIC CONDUCTANCE (E.C.).
12. PRIOR TO PLANTING, SOIL AMENDMENTS SHALL BE ADDED PER RECOMMENDATIONS OF THE SOILS REPORT. THE RESULTS OF THE SOILS TESTS THE CONTRACTOR PERFORMS SHALL DETERMINE ACTUAL AMENDMENTS.
13. COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1000 SQUARE FEET OF PERMEABLE AREA (OR PER RECOMMENDATIONS OF THE SOILS TEST, WHICHEVER IS GREATER) SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL. SOILS WITH GREATER THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL ARE EXEMPT FROM ADDING COMPOST AND TILLING.
14. APPLY AN APPLICATION OF GRANULAR PRE-EMERGENT (DIMENSION 270G OR APPROVED EQUAL) PRIOR TO MULCH PLACEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS. APPLY WATER AS REQUIRED FOR ACTIVATION.
15. CONTRACTOR RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL AT ALL TIMES. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE ALL MEASURES ARE FUNCTIONING PROPERLY.
16. ALL AREAS THAT ARE EXPOSED SHALL BE PLANTED WITH HYDROSEED MIX. NO AREAS SHALL BE LEFT EXPOSED DURING THE WINTER MONTHS. EXPOSED SURFACES SHALL HAVE EROSION CONTROL MEASURES IN PLACE PRIOR TO OCTOBER 1.
17. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS, HARDSCAPES, SIDEWALKS OR OTHER NON-PLANTER AREAS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
18. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE CIVIL EROSION CONTROL PLAN AND/OR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ADDITION TO THESE MINIMUM REQUIREMENTS (AS APPLICABLE).
19. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. DO NOT STORE CONSTRUCTION EQUIPMENT BELOW THE CANOPY OF ANY TREES TO REMAIN. DAMAGE TO ANY EXISTING TREES OR PLANT MATERIAL TO REMAIN SHALL BE REPLACED BACK TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER. SEE CIVIL DEMOLITION PLANS FOR LOCATIONS OF TREES TO REMAIN AND TREES TO BE REMOVED.



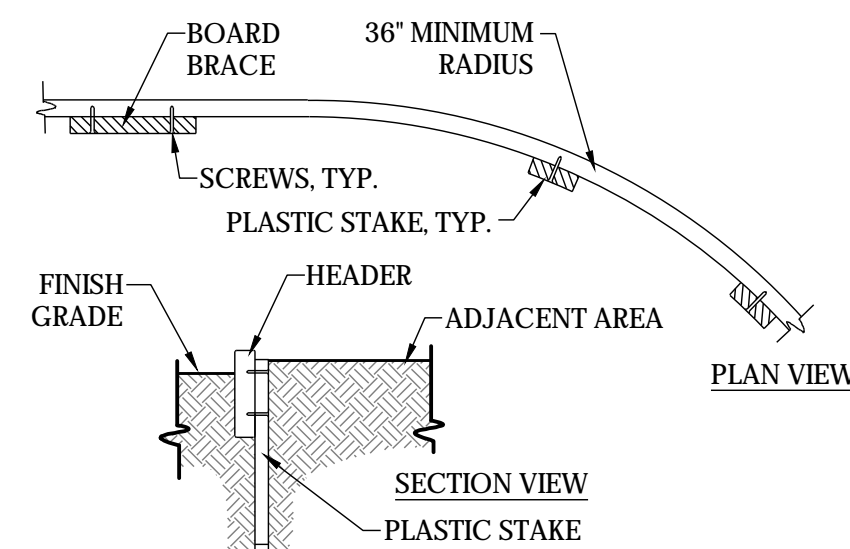
**A- TREE PLANTING DETAIL**

NTS



**B- SHRUB PLANTING DETAIL**

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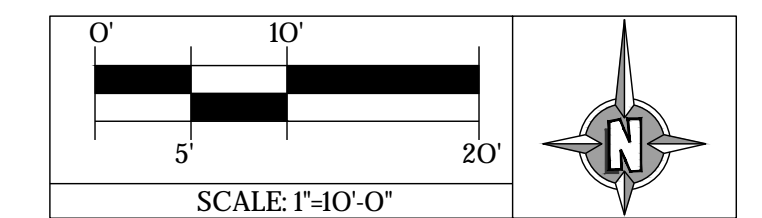
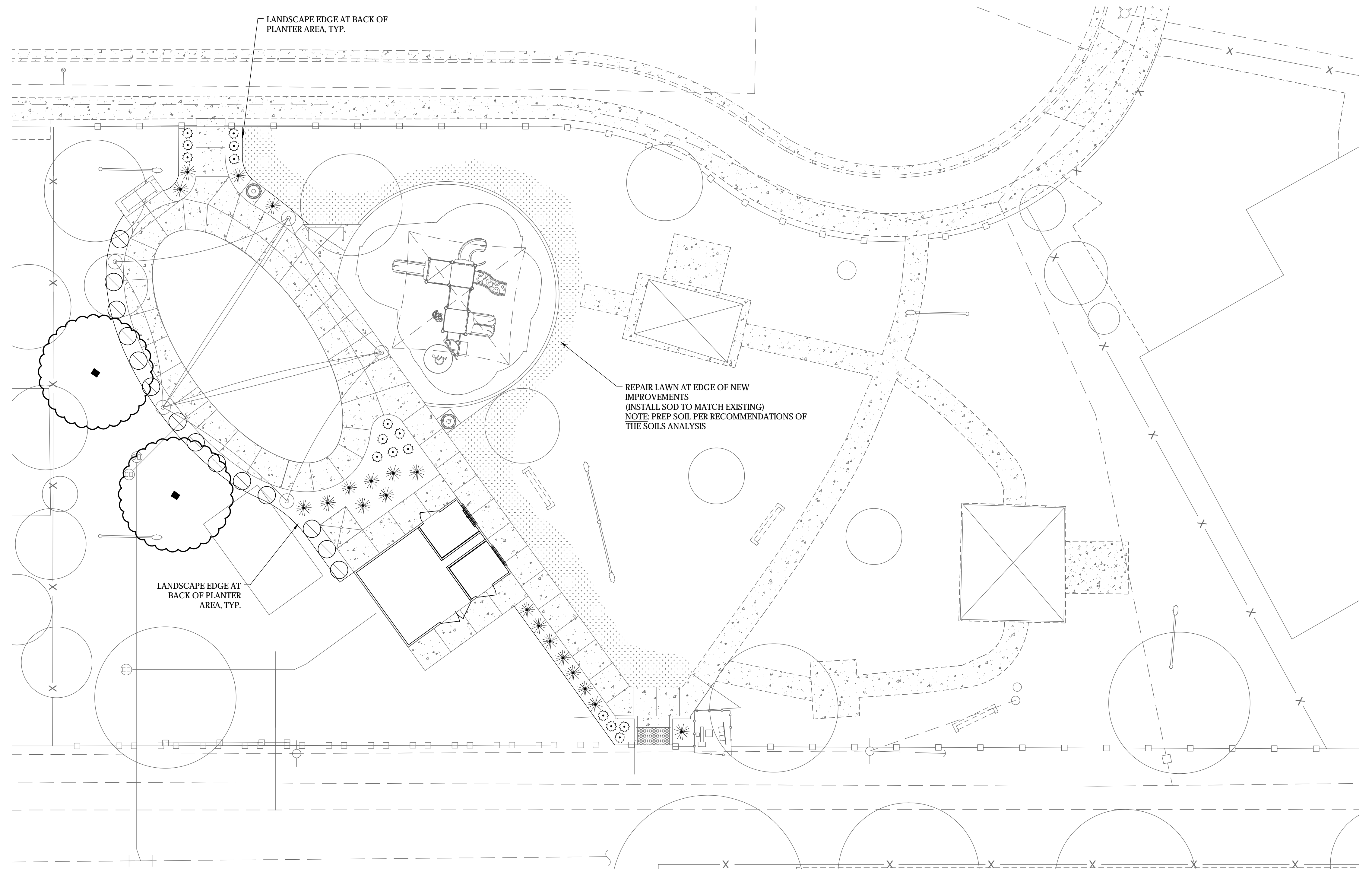


**NOTES:**

1. USE PLATED DECK SCREWS FOR ALL ATTACHMENTS.
2. INSTALL PLASTIC STAKE @ 6' O.C. MAX. (24" FOR RADIUS LOCATIONS).
3. FINISH GRADE: 1/2" SEED, 1" SOD, 3" SHRUB AREAS.
4. INSTALL BOARD BRACE AT EVERY SPLICE (MIN 8' LONG).

**C- 2"x4" COMPOSITE EDGING**

NTS



PLANT LEGEND					
SYM	BOTANICAL/ COMMON NAME	SIZE	QTY	WATER USE	REMARKS
<b>TREES</b>					
	PROSOPIS PHOENIX/ HYBRID MESQUITE	15 GAL	2	LOW	STANDARD
<b>SHRUBS</b>					
	BAILEYA MULTIRADIATA/ DESERT MARIGOLD	1 GAL	16	LOW	
	HESPERALOE PARVIFLORA/ RED YUCCA	1 GAL	20	LOW	
	NOLINA NELSONII/ BEAR GRASS	1 GAL	14	LOW	

**LANDSCAPE COMPLIANCE STATEMENT:**

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

SIGNED \_\_\_\_\_ DATE 11/18/2021

**The Holt Group, Inc.**  
ENGINEERING • PLANNING • SURVEYING

EL CENTRO OFFICE: 1601 N. Imperial Ave. El Centro, CA 92243 (760) 337-3883

BLYTHE OFFICE: 201 E. Hobsonway Blythe, CA 92225 (760) 922-4658

NO.	REVISIONS:	APPROVED	DATE	DESIGN BY:	DRAWN BY:	CHECKED BY:
				MS	MS	KB

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

**PROJECT BENCH MARK:**

THE PROJECT BENCHMARK IS A STANDARD DISK STAMPED "IP/N GPS-19 RESET 1994" SET IN AN IMPERIAL IRRIGATION DISTRICT CONCRETE HEADWALL OF A CONCRETE BOX CULVERT. TO REACH THE BENCHMARK, GO 0.50 MILES EAST ON WILLOUGHBY ROAD FROM THE INTERSECTION OF DOGWOOD ROAD AND WILLOUGHBY ROAD TO WARE ROAD; THEN GO 163.50 NORTH ALONG WARE ROAD AND THE STATION TO THE LEFT, WEST 18.50 FEET FROM WARE ROAD CENTERLINE. PROJECT ELEVATION: 1000.34' (NAVD 88+1000)

PREPARED UNDER THE DIRECT SUPERVISION OF:	
MICHAEL SHULAR	4898 R.L.A. NO.
11/19/2021 DATE	5/31/22 REG. EXP.

**PROJECT TITLE:** HEBER PUBLIC UTILITY DISTRICT CHILDREN'S PARK RENOVATION STATEWIDE PARK DEVELOPMENT AND COMMUNITY REVITALIZATION PROJECT NO. XS-13-036

**SHEET CONTENT:** PLANTING PLAN

**SHEET L4**  
OF XX SHEETS  
JOB NO. 744.087E