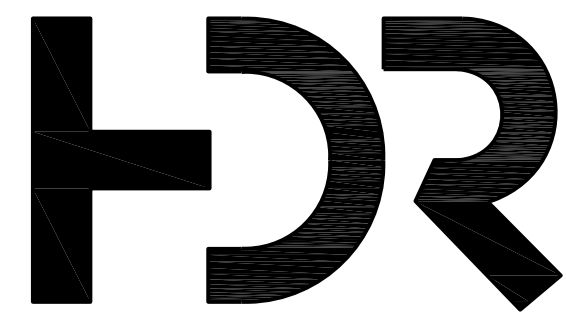




HDR ARCHITECTURE, INC.
350 SOUTH GRAND AVENUE, SUITE 2800
LOS ANGELES, CA 90071-3406

Arc S i t i o
Design, Inc
Landscape Architecture &
Architectural Site Design

1058 East 2100 South
Salt Lake City, Utah 84105
office 801.487.4923
fax 801.466.3046
www.arcsitiodesign.com



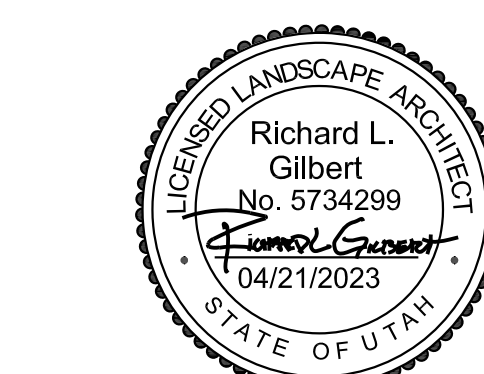
**PRIMARY CHILDREN'S
WASATCH CANYONS
BEHAVIORAL HEALTH
REPLACEMENT
PROJECT**

5770 SOUTH 1500 WEST
TAYLORSVILLE, UTAH 84123

Project Manager	STEVE K.
Project Designer	ERIC M./BRIAN S./ANNETTE H./BRIAN G.
Project Architect	...
Landscape Architect	ARCSITIO DESIGN
Civil Engineer	GREAT BASIN ENGINEERS
Structural Engineer	REAVELEY ENGINEERS
Mechanical Engineer	VBFA
Electrical Engineer	SPECTRUM ENGINEERS
Plumbing Engineer	VBFA
Interior Designer	RUBY T.
Equipment Planner	...
Wayfinding	WENDY W./JEFF Z.

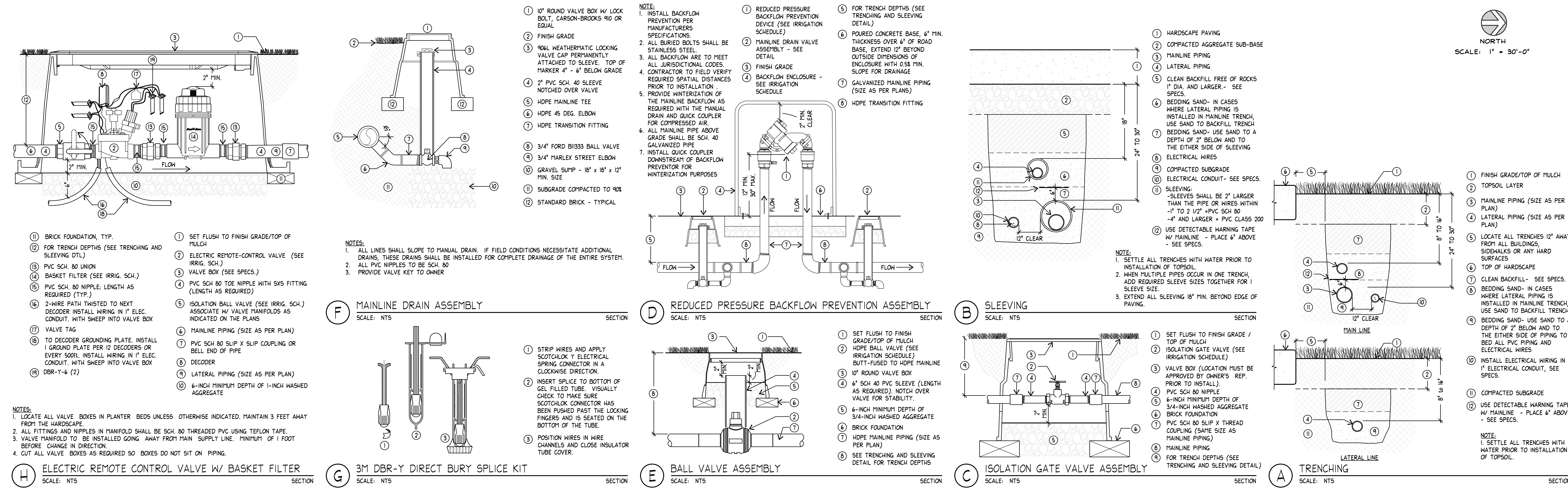
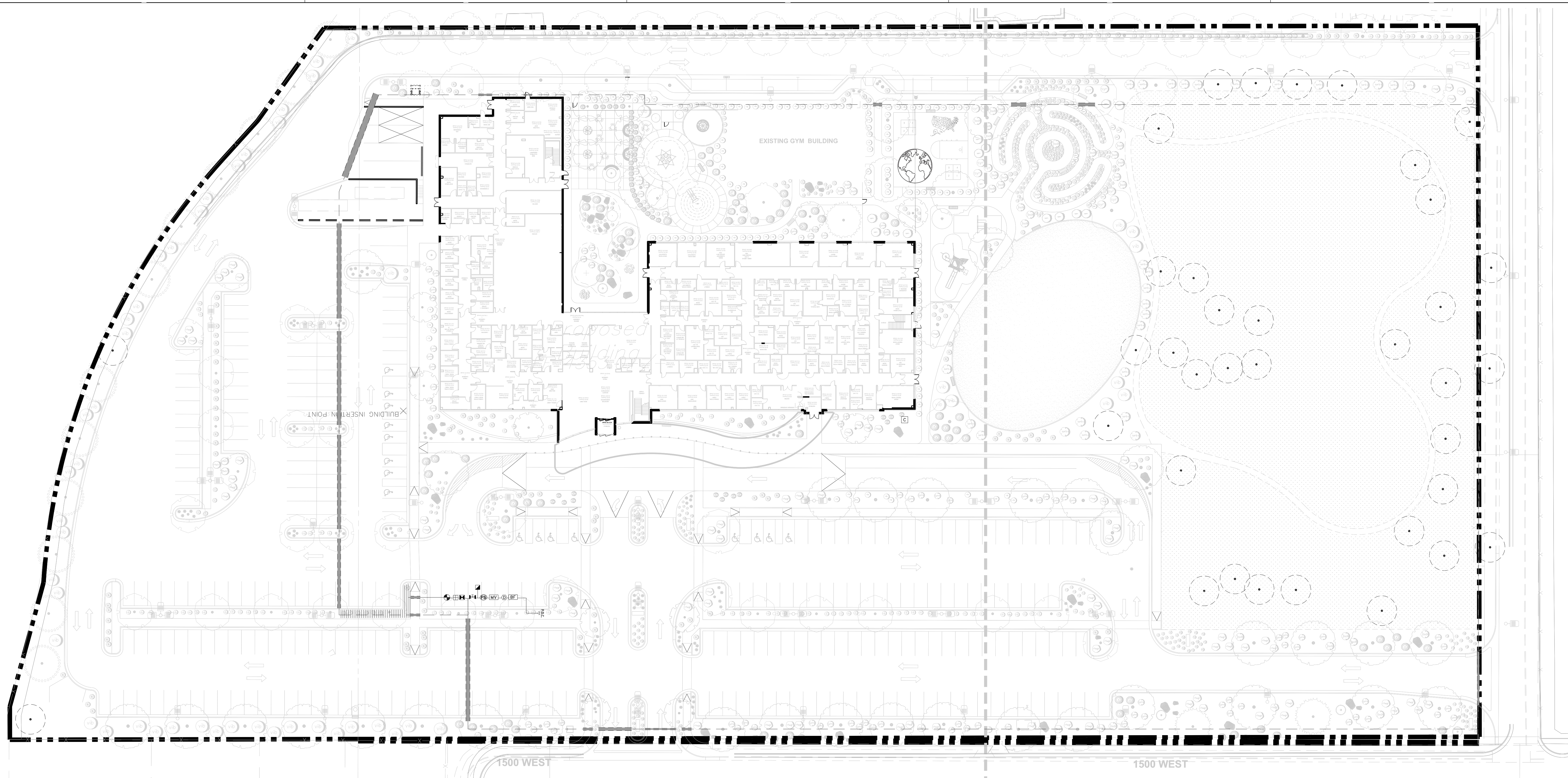
Project Number	10349477
Original Issue	03/21/2023

Project Number	10349477
Original Issue	03/21/2023

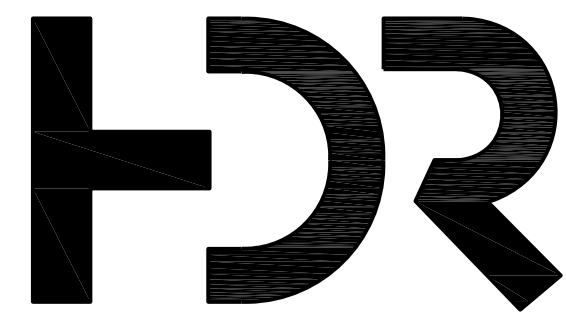


**OVERALL IRRIGATION
PLAN**

Sheet Name
IR100
Project Status
DESIGN DEVELOPMENT PHASE



14/02/2023 10:11:19 AM Autodesk Docs:10349477_IR100_Children's Wasatch Canyons Replacement_2023030464744VCSB14 0110 Department Plans



HDR ARCHITECTURE, INC.
350 SOUTH GRAND AVENUE, SUITE 2800
LOS ANGELES, CA 90071-3406

Arc S i t i o
Design, Inc
Landscape Architecture &
Architectural Site Design

1058 East 2100 South
Salt Lake City, Utah 84105
office 801.487.4923
fax 801.466.3046
www.arcsitiodesign.com



PRIMARY CHILDREN'S
WASATCH CANYONS
BEHAVIORAL HEALTH
REPLACEMENT
PROJECT

5770 SOUTH 1500 WEST
TAYLORSVILLE, UTAH 84123

Project Manager	STEVE K.
Project Designer	ERIC M./ BRIAN S. / ANNETTE H./ BRIAN G.
Project Architect	...
Landscape Architect	ARC S I T I O DESIGN
Civil Engineer	GREAT BASIN ENGINEERS
Structural Engineer	REAVELEY ENGINEERS
Mechanical Engineer	VBFA
Electrical Engineer	SPECTRUM ENGINEERS
Plumbing Engineer	VBFA
Interior Designer	RUBY T.
Equipment Planner	...
Wayfinding	WENDY W. / JEFF Z.

Project Number
Original Issue

10345477
03/21/2023



Sheet Name

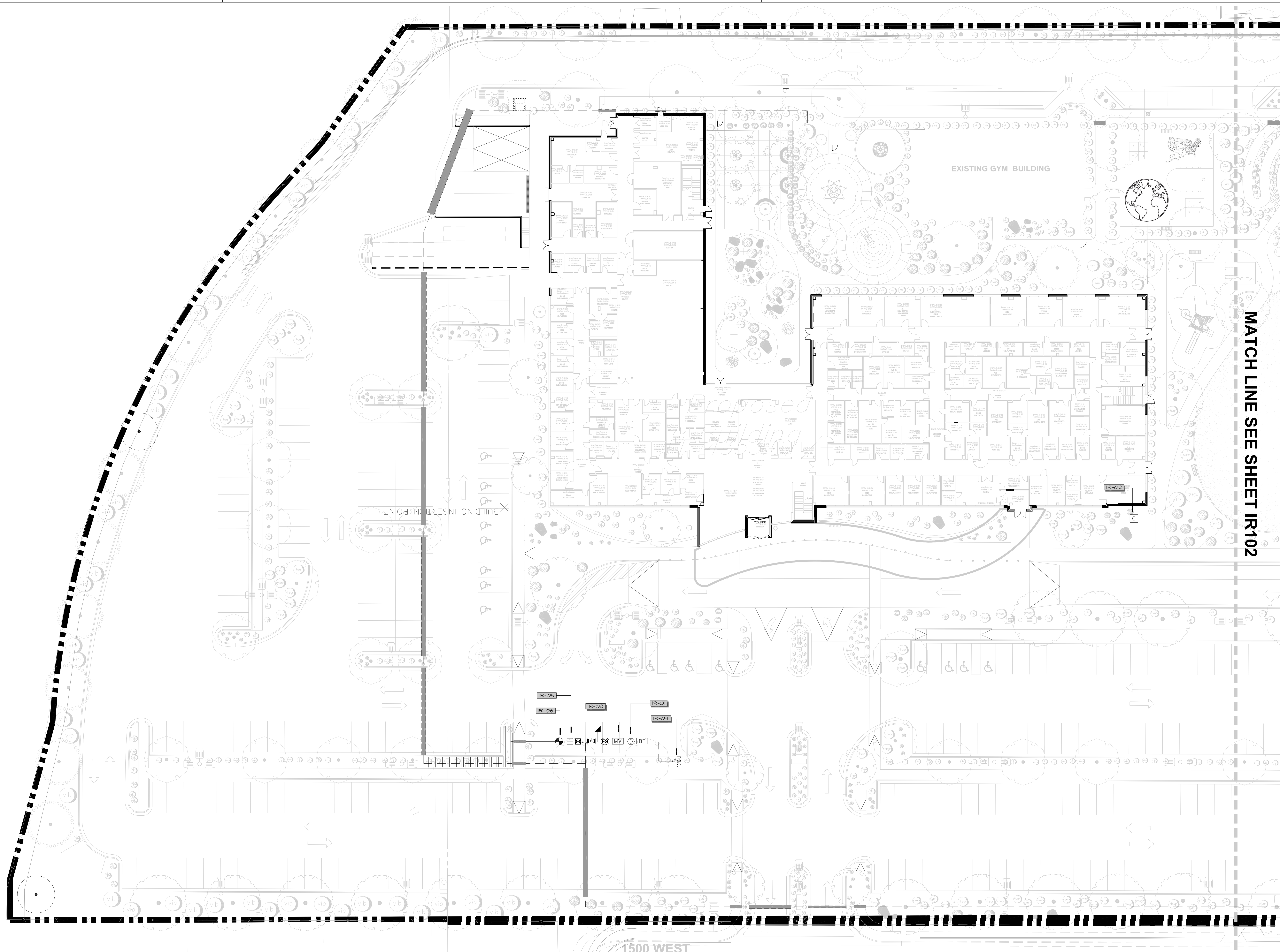
IRRIGATION PLAN

Sheet Number

IR101

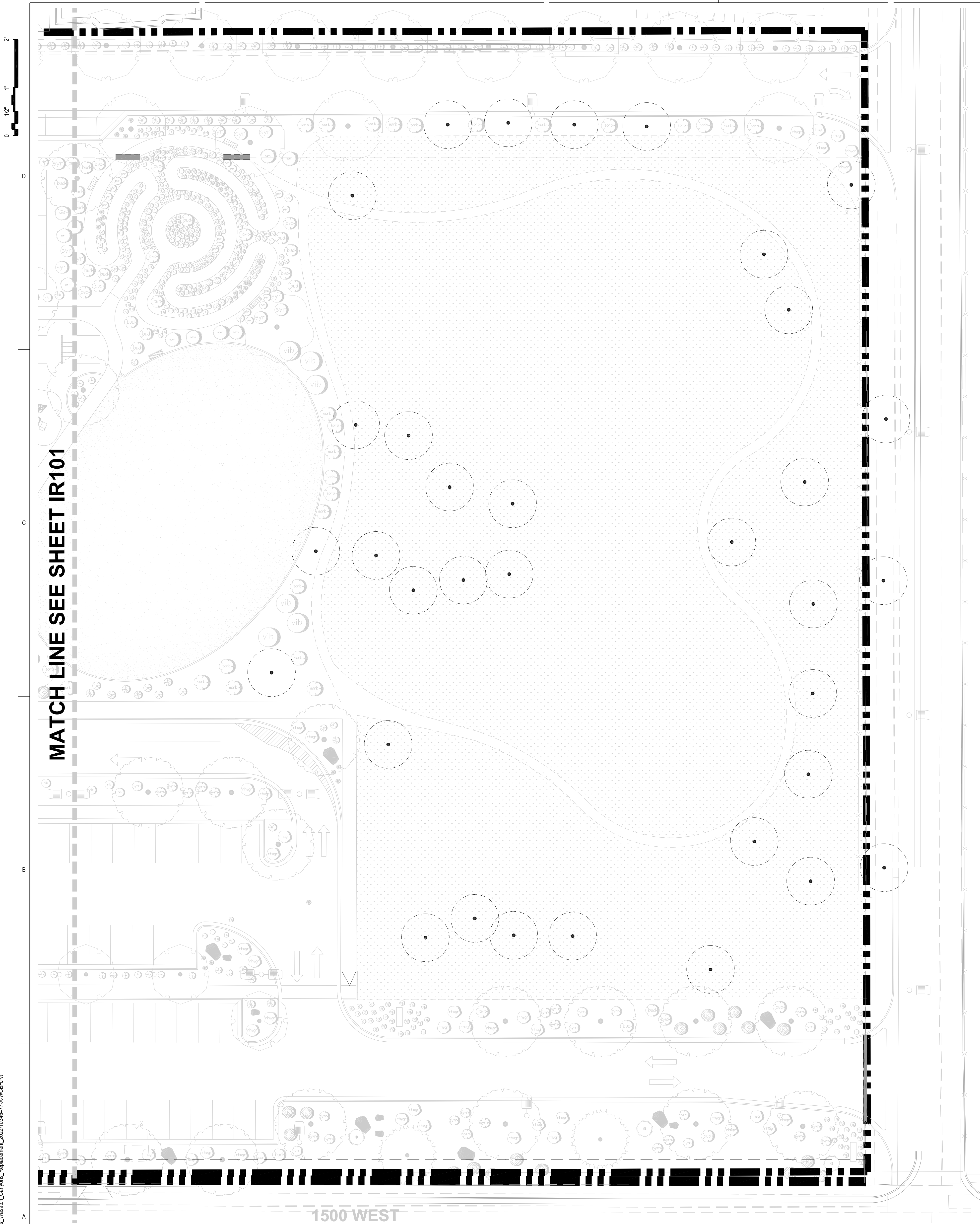
Project Status

DESIGN DEVELOPMENT PHASE



IRRIGATION NOTES		IRRIGATION SCHEDULE		REFERENCE NOTES	
1. SEE SHEET IR102 FOR IRRIGATION SCHEDULE.		1. IT IS THE INTENT OF THESE IRRIGATION PLANS TO PROVIDE THE CONTRACTOR WITH CONSTRUCTION INFORMATION THAT WILL ENABLE HIM TO PROVIDE AND INSTALL A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, PARTS AND MATERIALS REQUIRED.		SYMBOL	
2. THE CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. IN THE EVENT THE PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. CONTRACTOR TO MAINTAIN OPERATING PRESSURE FOR EACH ZONE TO THE LAST HEAD.		2. THE CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. IN THE EVENT THE PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. CONTRACTOR TO MAINTAIN OPERATING PRESSURE FOR EACH ZONE TO THE LAST HEAD.		IRRIGATION DESCRIPTION	
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, WALKS, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, SLEEVES AND LATERALS THROUGH WALLS AND UNDER PAVING.		3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, WALKS, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, SLEEVES AND LATERALS THROUGH WALLS AND UNDER PAVING.		[R-01]	
4. DO NOT UNNECESSARILY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADING DIFFERENCES MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.		4. DO NOT UNNECESSARILY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADING DIFFERENCES MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.		[R-02]	
5. THIS DESIGN IS DIAGNOSTIC. ALL IRRIGATION EQUIPMENT, PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.		5. THIS DESIGN IS DIAGNOSTIC. ALL IRRIGATION EQUIPMENT, PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.		[R-03]	
6. PROTECT EXISTING TREES' ROOT STRUCTURE FROM DAMAGE DURING IRRIGATION TRENCHING OPERATIONS. CONTACT THE LANDSCAPE ARCHITECT IF ROOTS ARE ENCOUNTERED DURING TRENCHING TO DISCUSS ALTERNATE ROUTING FOR IRRIGATION PIPING.		6. PROTECT EXISTING TREES' ROOT STRUCTURE FROM DAMAGE DURING IRRIGATION TRENCHING OPERATIONS. CONTACT THE LANDSCAPE ARCHITECT IF ROOTS ARE ENCOUNTERED DURING TRENCHING TO DISCUSS ALTERNATE ROUTING FOR IRRIGATION PIPING.		[R-04]	
7. IRRIGATION SYSTEM IS TO BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.		7. IRRIGATION SYSTEM IS TO BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.		[R-05]	
8. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS WITH NOZZLES OF THE APPROPRIATE DEGREE AND RADIUS FOR THE AREA TO BE COVERED. ADJUST ALL NOZZLES TO MINIMIZE SPRAYING ONTO WALKS, BUILDINGS, ETC.		8. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS WITH NOZZLES OF THE APPROPRIATE DEGREE AND RADIUS FOR THE AREA TO BE COVERED. ADJUST ALL NOZZLES TO MINIMIZE SPRAYING ONTO WALKS, BUILDINGS, ETC.		[R-06]	
9. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S SPECS.		9. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S SPECS.		[R-07]	
10. INSTALL ALL WIRING IN 1" JOIST PIPE BETWEEN CONTROLLERS AND VALVE BOXES. PROVIDE SNEEP BUS INTO VALVE BOXES AND AT ALL CORNERS AND ANGLES. USE EXPANDING FOAM TO SEAL CONDUIT BETWEEN VALVE BOXES TO DETER PESTS.		10. INSTALL ALL WIRING IN 1" JOIST PIPE BETWEEN CONTROLLERS AND VALVE BOXES. PROVIDE SNEEP BUS INTO VALVE BOXES AND AT ALL CORNERS AND ANGLES. USE EXPANDING FOAM TO SEAL CONDUIT BETWEEN VALVE BOXES TO DETER PESTS.		[R-08]	
11. INSTALL PAGE ELECTRIC DECODER CABLE FUSE DEVICES (CFFD) WHERE 2 WIRE PATH SPLITS. USE DIFFERENT COLOR WIRES TO IDENTIFY DIFFERENT LEGS OF 2-WIRE PATH (WHERE PATH SPLITS).		11. INSTALL PAGE ELECTRIC DECODER CABLE FUSE DEVICES (CFFD) WHERE 2 WIRE PATH SPLITS. USE DIFFERENT COLOR WIRES TO IDENTIFY DIFFERENT LEGS OF 2-WIRE PATH (WHERE PATH SPLITS).		[R-09]	
12. ALL VALVES SHALL BE LOCATED WITHIN 6" OF A PAVED SURFACE.		12. ALL VALVES SHALL BE LOCATED WITHIN 6" OF A PAVED SURFACE.		[R-10]	
13. ALIGN VALVE BOXES WITH EDGE OF PAVEMENT, TYPICAL.		13. ALIGN VALVE BOXES WITH EDGE OF PAVEMENT, TYPICAL.		[R-11]	
14. COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYPICAL.		14. COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYPICAL.		[R-12]	

14/02/2023 10:11:49 AM: Alameda Docx:10346477_IR102_Children's_Wasatch_Canyons_Replacement_20231034647744WCSB1.rvt
01.100 Department Plans



IRRIGATION NOTES

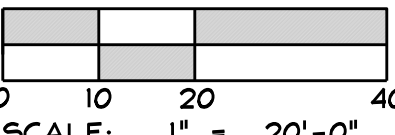
A

SEE SHEET IR102 FOR IRRIGATION SCHEDULE

NORTH ARROW

SCALE



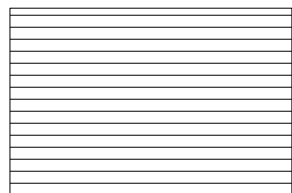
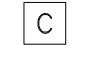
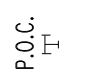
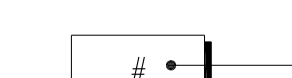
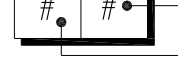
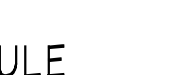
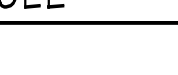


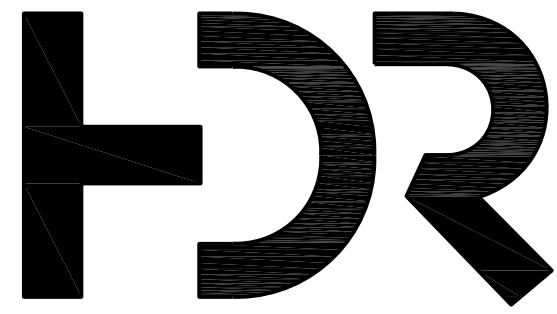
IRRIGATION SCHEDULE	
1. IT IS THE INTENT OF THESE IRRIGATION PLANS TO PROVIDE THE CONTRACTOR WITH CONSTRUCTION INFORMATION THAT WILL ENABLE HIM TO PROVIDE AND INSTALL A COMPLETE AND OPERATIONAL IRRIGATION SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, PARTS AND MATERIALS REQUIRED.	
2. THE CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE ON SITE PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. IN THE EVENT THE PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. CONTRACTOR TO MAINTAIN OPERATING PRESSURE FOR EACH ZONE TO THE LAST HEAD.	
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, WALKS, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS AND UNDER PAVING.	
4. DO NOT MILEFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADING DIFFERENCES MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.	
5. THIS DESIGN IS DISGUISTIC. ALL IRRIGATION EQUIPMENT, PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.	
6. PROTECT EXISTING TREES' ROOT STRUCTURE FROM DAMAGE DURING IRRIGATION TRENCHING OPERATIONS. CONTACT THE LANDSCAPE ARCHITECT IF ROOTS ARE ENCOUNTERED DURING TRENCHING TO DISCUSS ALTERNATE ROUTING FOR IRRIGATION PIPING.	
7. IRRIGATION SYSTEM IS TO BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.	
8. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE. INSTALL ALL SPRINKLER HEADS WITH NOZZLES OF THE APPROPRIATE DEGREE AND RADIUS FOR THE AREA TO BE COVERED. ADJUST ALL NOZZLES TO MINIMIZE SPRAYING ONTO WALKS, BUILDINGS, ETC.	
9. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S SPECS.	
10. ALL PIPE INSTALLED IN PAVING SHALL BE SLEEVED. SEE DETAILS.	
11. INSTALL ALL WORKING 8\"	
12. INSTALL PAIRED ELECTRIC DECODER CABLE FUSE DEVICES (CFCF) WHERE 2 WIRE PATH SPLITS. USE DIFFERENT COLOR WIRES TO IDENTIFY DIFFERENT LEGS OF 2-WIRE PATH (WHERE PATH SPLITS).	
13. ALL VALVES SHALL BE LOCATED WITHIN 6\"	
14. ALIGN VALVE BOXES WITH EDGE OF PAVEMENT, TYPICAL.	
15. COORDINATE LAYOUT OF IRRIGATION HEADS PRIOR TO PLACEMENT OF PROPOSED PLANT MATERIAL, TYPICAL.	

REFERENCE NOTES	
SYMBOL	IRRIGATION DESCRIPTION
	POINT OF CONNECTION, TIE INTO NEW WATER LINE SERVICING BUILDING, 3\"
	IRRIGATION EQUIPMENT SHOWN OUTSIDE PLANTING AREAS FOR GRAPHIC CLARITY ONLY. EQUIPMENT SHALL BE LOCATED INSIDE PLANTING AREAS, TYP.
	CONTROLLER - REFER TO IRRIGATION SCHEDULE AND DETAILS. COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120V POWER. SEE ELECTRICAL DWGS.
	WIRE MASTER VALVE AND FLOW SENSOR DIRECTLY TO CONTROLLER USING PE-343 SHIELDED COMMUNICATIONS CABLE

A IRRIGATION SCHEDULE
SCALE: NTS

B IRRIGATION VALVE SCHEDULE
SCALE: NTS

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird XGZ-100-PRB-COM Drip Control Kit, 1\"
	Rain Bird XGZ-150-PRB-COM High Flow Control Zone Kit, for Large Commercial Drip Zones, 1-1/2\"
	Area to Receive Dripline Netafim TLG-V-06-1/2 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.6 GPH emitters at 12\"
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PESB-PRS-D 1\"
	Rain Bird 44-LRC 1\"
	Matco-Norca Model 200 RTD Resilient Wedge Gate Valve. Use 2\"
	Netafim 3\"
	Ford Manual Drain B11-933
	Febco LF880V w/ enclosure 3\"
	Hydra Point WTXR-C-H2O46-SPT 1/4-gauge stainless steel, NEMA 3R rated slope, top-entry enclosure w/ key lock entry to upper and lower compartments. VIT Strongbox Enclosure model no. 55-1655.
	Hydra Point WTFLOWHD-1-300 2\"
	Point of Connection 3\"
	Irrigation Lateral Line: PVC Schedule 40
	Irrigation Mainline: HDPE PE4710 DR 11
	Pipe Sleeve: PVC Class 200 SDR 21
	Valve Callout
	Valve Number
	Valve Flow
	Valve Size



HDR ARCHITECTURE, INC.
350 SOUTH GRAND AVENUE, SUITE 2800
LOS ANGELES, CA 90071-3406

Arc Sitio
Design, Inc
Landscape Architecture &
Architectural Site Design

1058 East 2100 South
Salt Lake City, Utah 84105
office 801.487.4923
fax 801.466.3046
www.arcsitiodesign.com



PRIMARY CHILDREN'S
WASATCH CANYONS
BEHAVIORAL HEALTH
REPLACEMENT
PROJECT

5770 SOUTH 1500 WEST
TAYLORSVILLE, UTAH 84123

Project Manager	STEVE K.
Project Designer	ERIC M./BRIAN S./ANNETTE H./BRIAN G.
Project Architect	...
Landscape Architect	ARCSITIO DESIGN
Civil Engineer	GREAT BASIN ENGINEERS
Structural Engineer	REAVELEY ENGINEERS
Mechanical Engineer	VBFA
Electrical Engineer	SPECTRUM ENGINEERS
Plumbing Engineer	VBFA
Interior Designer	RUBY T.
Equipment Planner	...
Wayfinding	WENDY W./JEFF Z.

Project Number 10346477
Original Issue 03/21/2023



Sheet Name

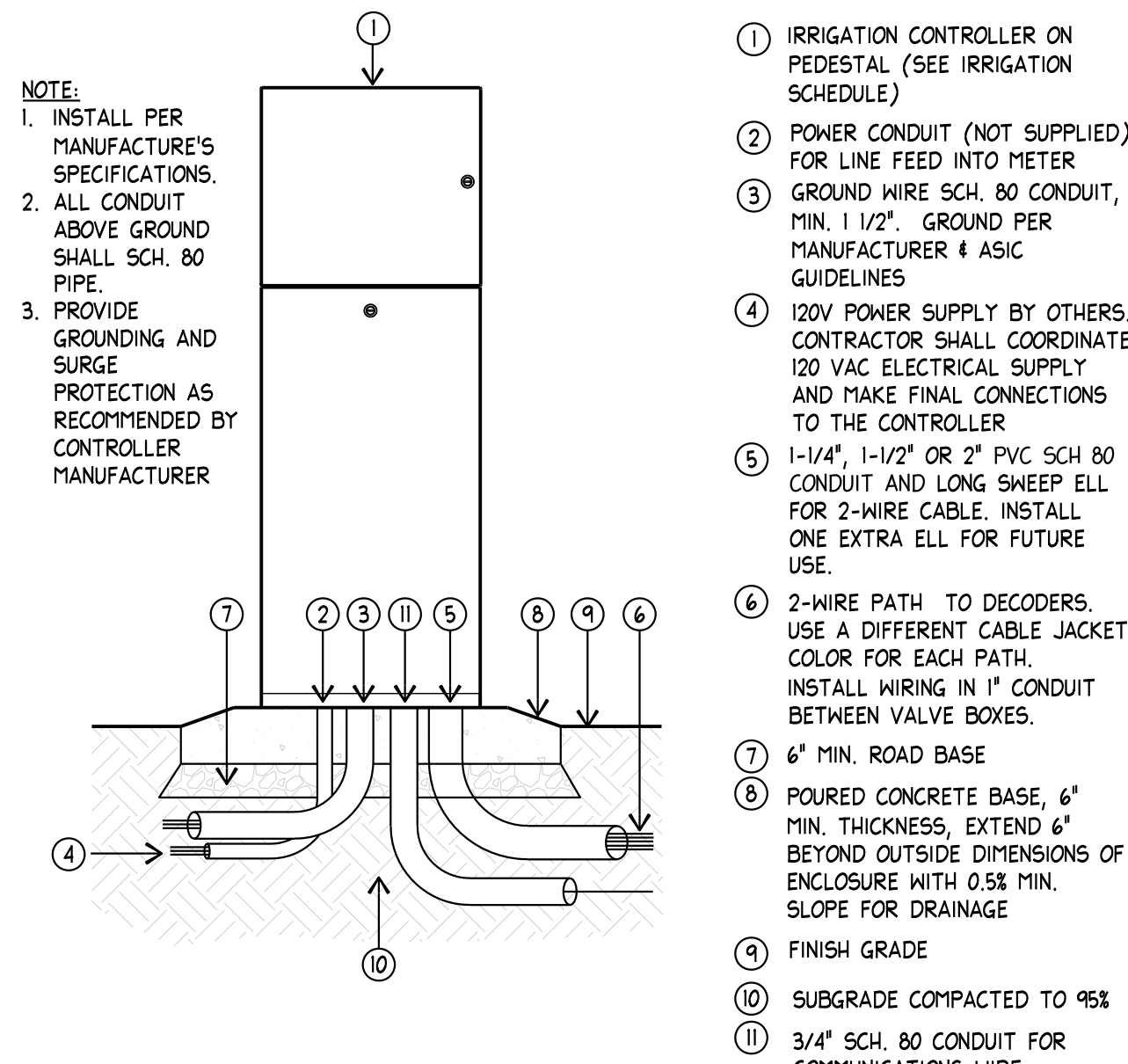
IRRIGATION PLAN

Sheet Number

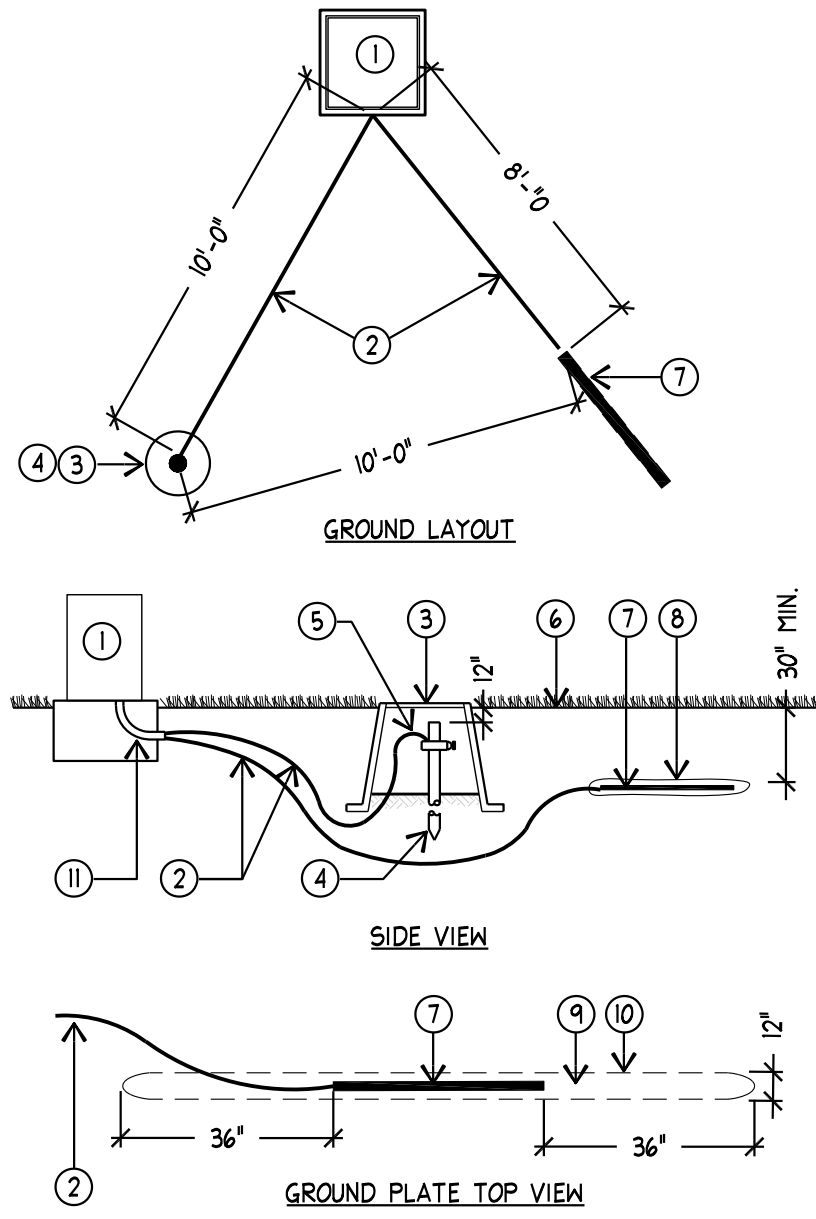
IR102

Project Status

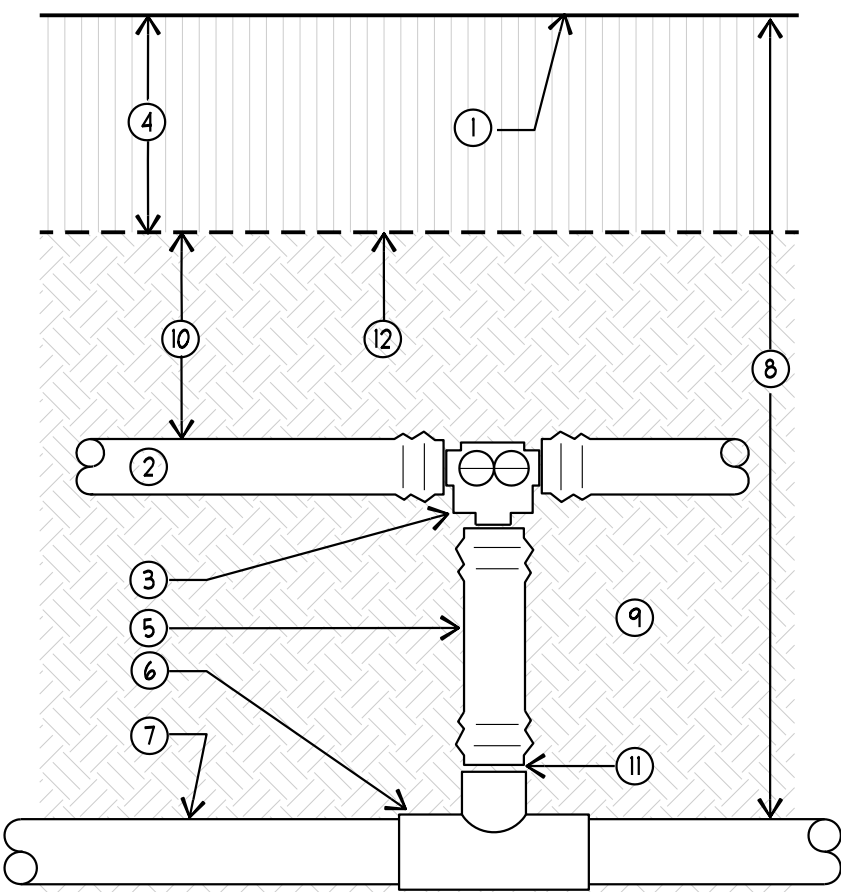
DESIGN DEVELOPMENT PHASE



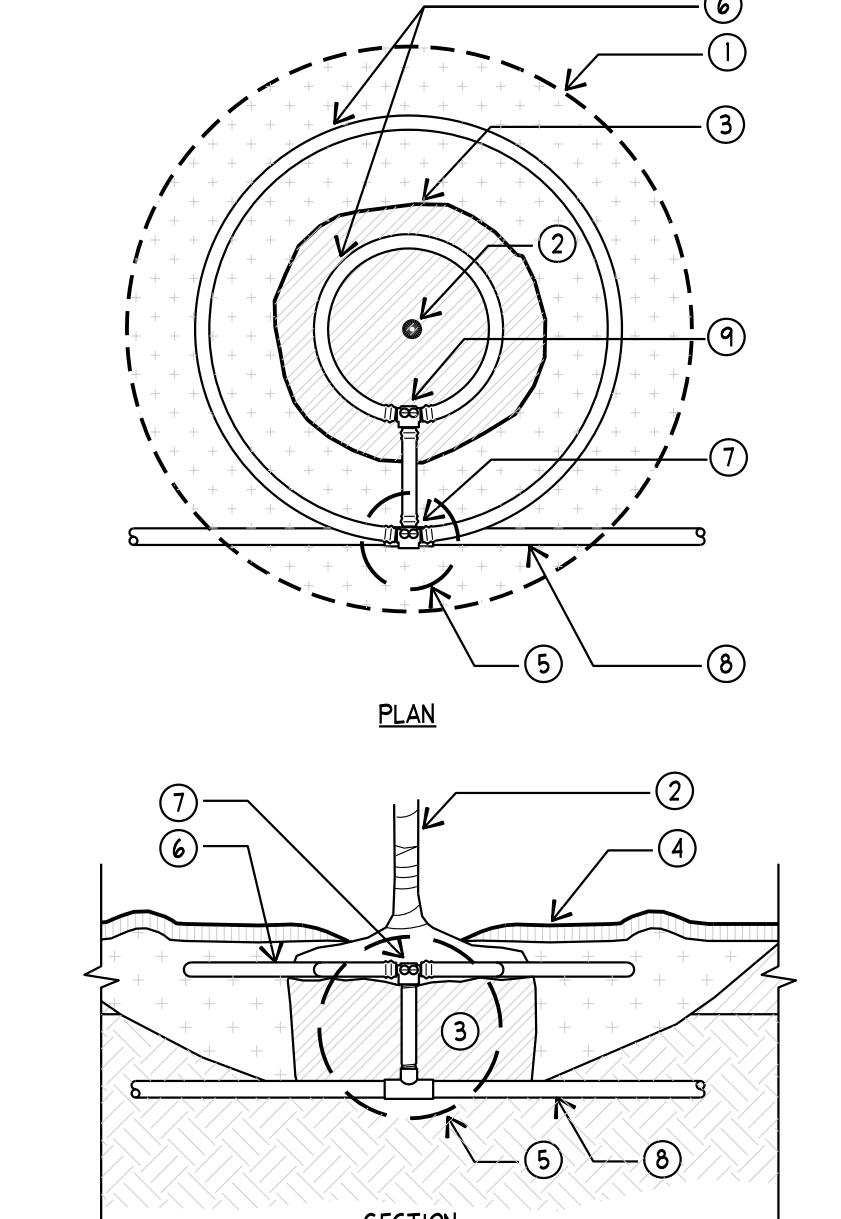
I IRRIGATION CONTROLLER - PEDESTAL MOUNT
SCALE: NTS SECTION/ELEVATION



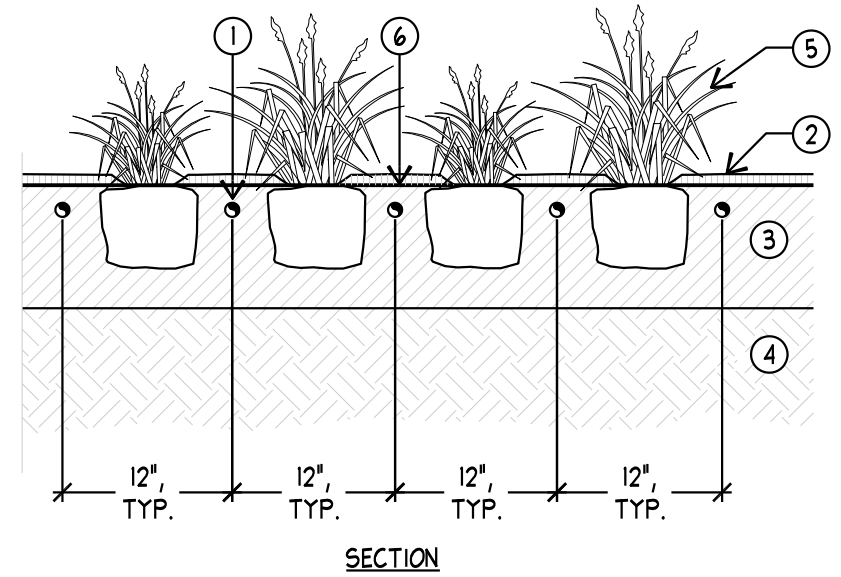
J CONTROLLER GROUNDING LAYOUT
SCALE: NTS PLAN/SECTION



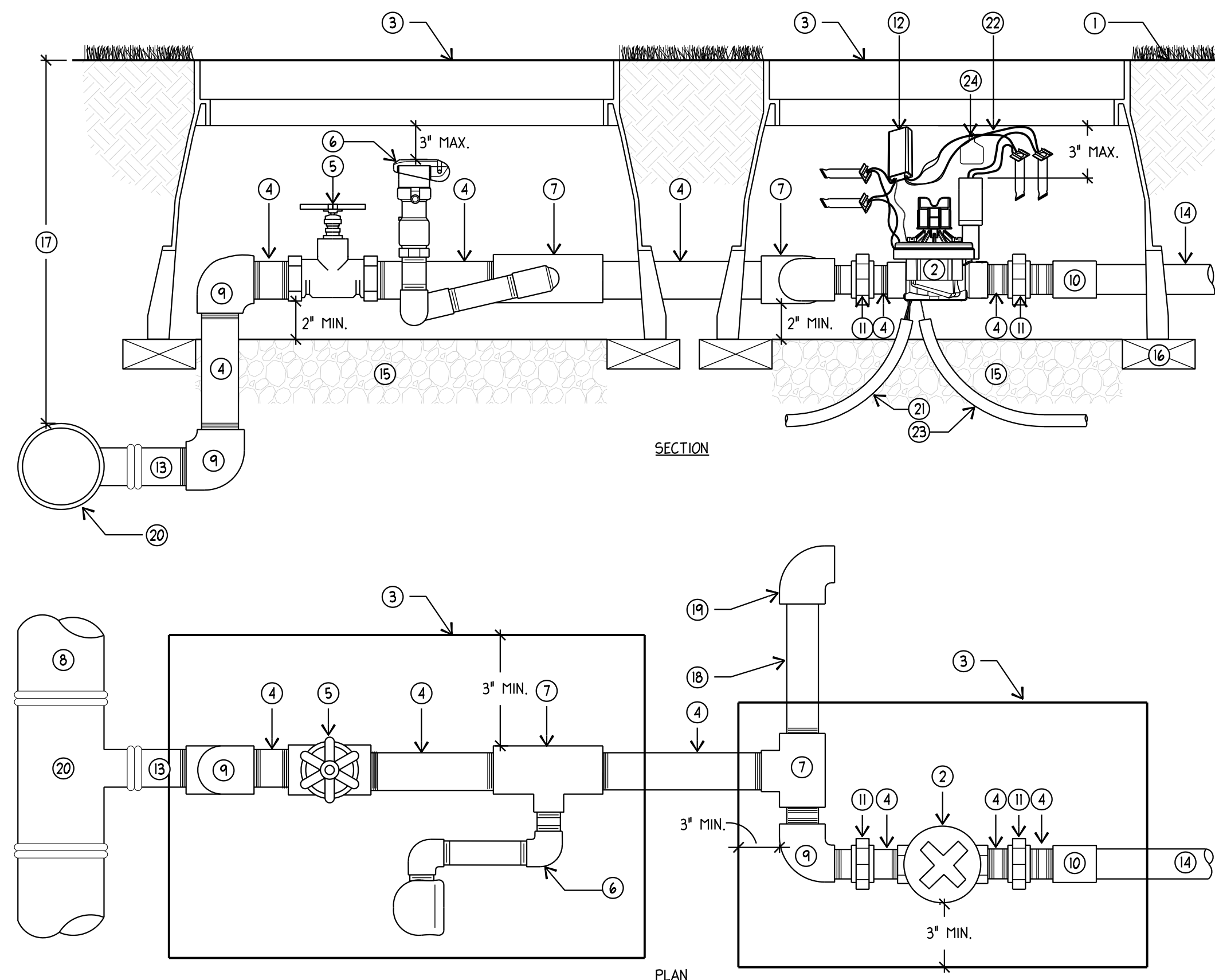
F DRIPLINE START CONNECTION AND DEPTHS
SCALE: NTS SECTION



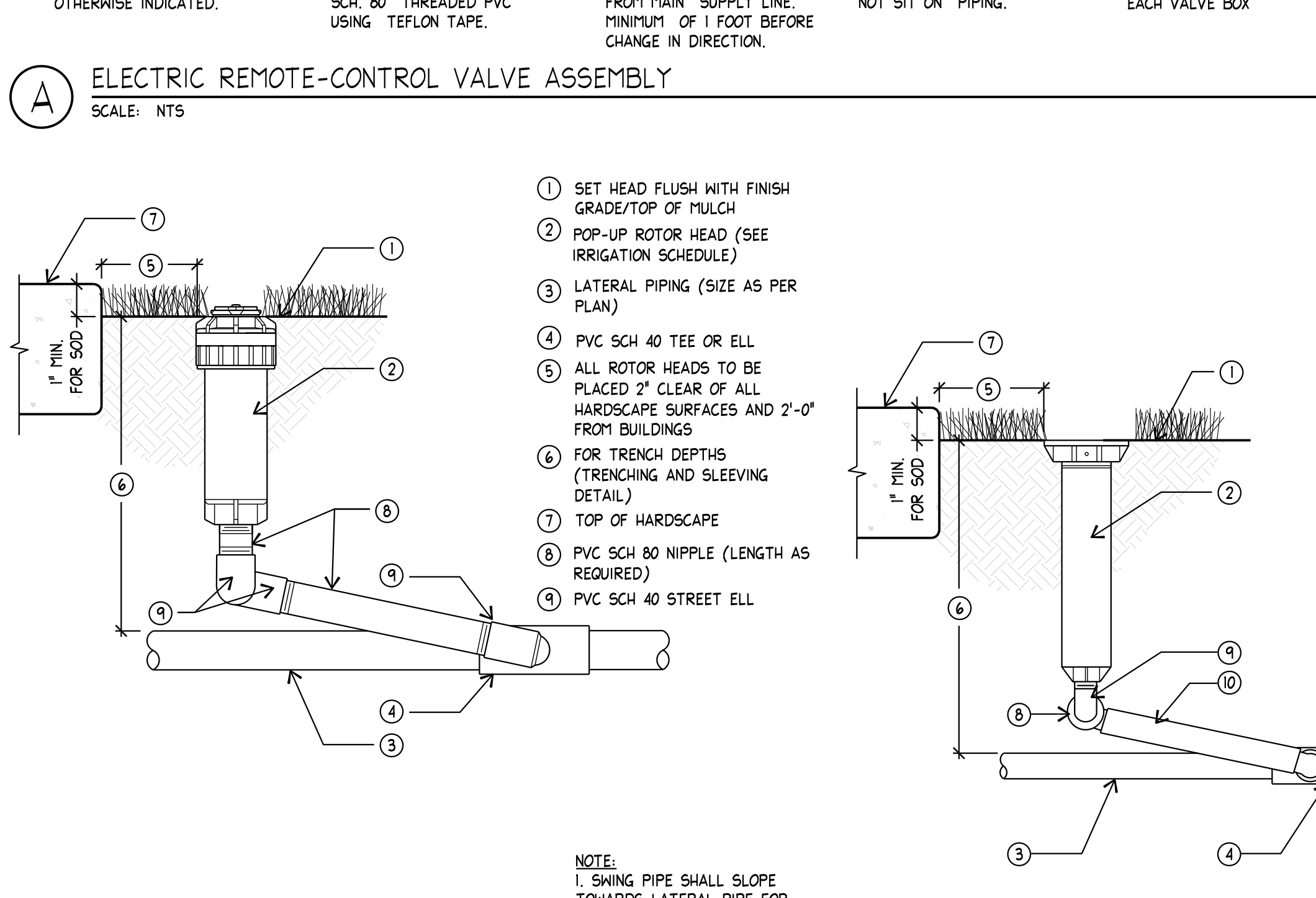
G DRIP TREE RING
SCALE: NTS PLAN/SECTION



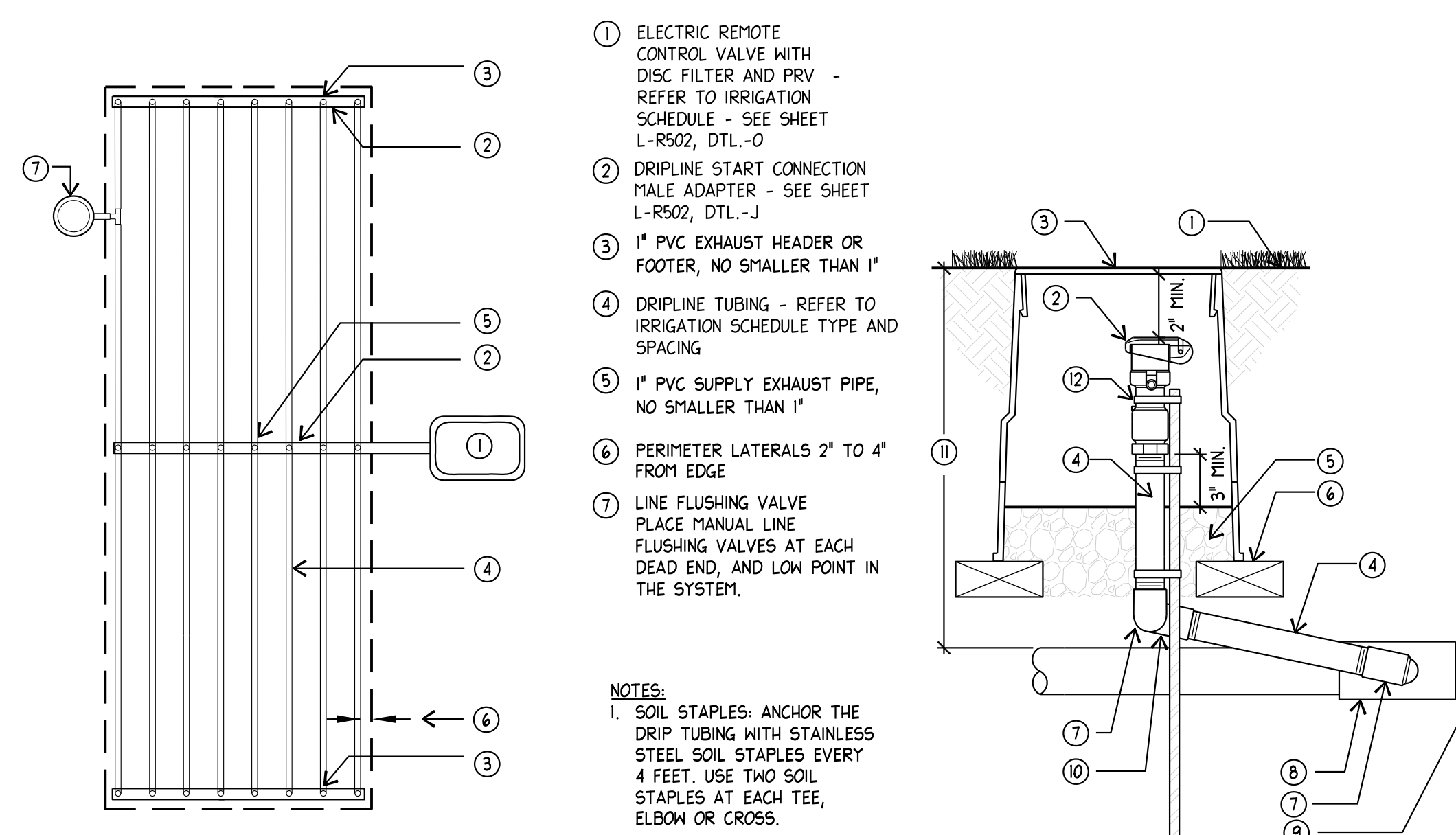
H DRIPLINE SPACING
SCALE: NTS SECTION/PLAN



A ELECTRIC REMOTE-CONTROL VALVE ASSEMBLY
SCALE: NTS SECTION/PLAN



B POP-UP SPRAY HEAD
SCALE: NTS SECTION



C QUICK COUPLER VALVE ASSEMBLY
SCALE: NTS SECTION



D POP-UP ROTOR HEAD
SCALE: NTS SECTION



E DRIPLINE TYPICAL PLANTER LAYOUT
SCALE: NTS PLAN

HDR ARCHITECTURE, INC.
350 SOUTH GRAND AVENUE, SUITE 2900
LOS ANGELES, CA 90071-3406

Arc S i t i o
Design, Inc
Landscape Architecture & Architectural Site Design

1058 East 2100 South
Salt Lake City, Utah 84106
office 801.487.4923
fax 801.466.3046
www.arcsitiodesign.com

Intermountain Healthcare

**PRIMARY CHILDREN'S
WASATCH CANYONS
BEHAVIORAL HEALTH
REPLACEMENT
PROJECT**

5770 SOUTH 1500 WEST
TAYLORSVILLE, UTAH 84123

Project Manager	STEVE K.
Project Designer	ERIC M./BRIAN S./ANNETTE H./BRIAN G.
Project Architect	...
Landscape Architect	ARCSITIO DESIGN
Civil Engineer	GREAT BASIN ENGINEERS
Structural Engineer	REAVELEY ENGINEERS
Mechanical Engineer	VBFA
Electrical Engineer	SPECTRUM ENGINEERS
Plumbing Engineer	VBFA
Interior Designer	RUBY T.
Equipment Planner	...
Wayfinding	WENDY W./JEFF Z.

Project Number	10345477
Original Issue	03/21/2023



Sheet Name
IRRIGATION DETAILS

Sheet Number
IR501

Project Status
DESIGN DEVELOPMENT PHASE