

ADDENDUM NO. 03
Bid# 2122-23, West Parking Lot Renovation
Project at Anaheim Campus

DSA #: 04-119326

Project Site:
North Orange County Community
College District
1830 W. Romneya Drive
Anaheim, CA 92801-1819

Owner: North Orange County Community
College District
1830 W. Romneya Drive
Anaheim CA 92801-1819

Engineer: David Evans and Associates, Inc.
17782 17th Street, Suite 200
Tustin, CA 92780

May 19, 2022

The following changes, deletions, additions and/or alterations in, on and to the drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby.

Careful note of this addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations, estimates, and contracts, and all trades affected shall be fully advised in the performance of the work which will be required of them.

REVISIONS:

Bid Due Date – The bid due date has been changed to Wednesday, June 1, 2022, at 2:00 p.m.

Bid Form – \$100,000 allowance has been added, see attached. Use the attached bid form for submission.

RESPONSES TO PRE-BID CLARIFICATIONS (“PBC”)

PBC 1-5

PREBID SUBSTITUTION REQUEST:

Accepted

PRE-BID CLARIFICATION FORM(Email this completed form to jho@nocc.edu. See Instructions to Bidders.)

PROJECT NAME:	West Parking Lot Renovation Project at Anaheim Campus		
PROJECT NUMBER:		BID NUMBER:	2122-23
DATE:	5-16-22		
FROM:	CENTURY PAVING, INC. ROBERT JARVIS	EMAIL:	ROBERT@PAVEIT.COM
SPEC SECTION:	N/A	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
CAPPING OF IRRIGATION: FOR THE PLANTERS THAT ARE TO REMAIN. DO YOU HAVE AS BUILT DRAWINGS TO SHOW THAT IF WE CAP THE DIAMOND PLANTERS, IRRIGATION WILL STILL WORK TO THOSE AREAS?			
RESPONSE TO CLARIFICATION:			
AS-BUILT INFORMATION REGARDING THE EXISTING IRRIGATION SYSTEM WAS PROVIDED BY THE CAMPUS AND IS AVAILABLE FOR REVIEW (SEE ATTACHED). DUE TO THE AGE OF THE AS-BUILTS, ACCURACY OF THE INFORMATION CANNOT BE CONFIRMED.			
Response By:	HEATH HABIG, PLA 5028 (DEA)		
Verified By (AOR):			

Attach additional numbered sheets as necessary; however, **only one (1) clarification request shall be contained on each submitted form.**

END OF DOCUMENT

PRE-BID CLARIFICATION FORM(Email this completed form to jho@nocc.edu. See Instructions to Bidders.)

PROJECT NAME:	West Parking Lot Renovation Project at Anaheim Campus		
PROJECT NUMBER:		BID NUMBER:	2122-23
DATE:	5-16-22		
FROM:	CENTURY PAVING, INC. ROBERT JARVIS	EMAIL:	ROBERT@PAVEIT.COM
SPEC SECTION:	N/A	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
<p>SITE FENCING: YOUR SPECS DO NOT INDICATE PROTECTION OF THE WORK AREA WITH FENCING. WOULD YOU CONSIDER ALLOWING THE OPEN PERIMETER EDGE OF THE WORK ZONE TO BE FENCED.</p>			
RESPONSE TO CLARIFICATION:			
<p>Yes, open perimeter edge (north and east sides) of work zone should be fenced.</p>			
Response By:	Andrew Rappé, PE David Evans & Associates		5/18/22
Verified By (AOR):			

Attach additional numbered sheets as necessary; however, **only one (1) clarification request shall be contained on each submitted form.**

END OF DOCUMENT

PRE-BID CLARIFICATION FORM(Email this completed form to jho@nocccd.edu. See Instructions to Bidders.)

PROJECT NAME:	West Parking Lot Renovation Project at Anaheim Campus		
PROJECT NUMBER:		BID NUMBER:	2122-23
DATE:	5-16-22		
FROM:	CENTURY PAVING, INC. ROBERT JARVIS	EMAIL:	ROBERT@PAVE.IT.COM
SPEC SECTION:	BID FORM PG 16	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
<p>ALLOWANCE: FOR THE BID FOR WHAT IS THE ALLOWANCE FOR THE PROJECT. IN THE BID FORM DOC PAGE 53 DESCRIBES THE ALLOWANCE BUT DOES NOT GIVE A SET VALUE.</p>			
RESPONSE TO CLARIFICATION:			
<p>Based on conversation with NOCCCD, include \$100,000 allowance.</p>			
Response By:	Andrew Rappé, PE David Evans & Associates		5/18/22
Verified By (AOR):			

Attach additional numbered sheets as necessary; however, **only one (1) clarification request shall be contained on each submitted form.**

END OF DOCUMENT

PRE-BID CLARIFICATION FORM(Email this completed form to jho@nocc.edu. See Instructions to Bidders.)

PROJECT NAME:	West Parking Lot Renovation Project at Anaheim Campus		
PROJECT NUMBER:		BID NUMBER:	2122-23
DATE:	5-16-22		
FROM:	CENTURY PAVING, INC. ROBERT JARVIS	EMAIL:	ROBERT@PAVEIT.COM
SPEC SECTION:	3.4 PAGE 5	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
<p>3.4 A: STATES TO CEMENT TREAT THE BASE AND SUBGRADE, THERE IS NO MENTION OF CEMENT TREATMENT IN THE GEOTECH REPORT OR THE PLANS. IS THIS AN ERROR OR DO YOU WANT CEMENT TREATMENT?</p>			
RESPONSE TO CLARIFICATION:			
<p>Plans are correct. Reference to CTB in Section 3.4.A is a typo.</p>			
Response By:	Andrew Rappé, PE David Evans & Associates		5/18/22
Verified By (AOR):			

Attach additional numbered sheets as necessary; however, **only one (1) clarification request shall be contained on each submitted form.**

END OF DOCUMENT

PRE-BID CLARIFICATION FORM(Email this completed form to jho@nocccl.edu. See Instructions to Bidders.)

PROJECT NAME:	West Parking Lot Renovation Project at Anaheim Campus		
PROJECT NUMBER:		BID NUMBER:	2122-23
DATE:	5-16-22		
FROM:	CENTURY PAVING, INC. ROBERT JARVIS	EMAIL:	ROBERT@PAVE.IT.COM
SPEC SECTION:	2.1 6+H PG 3	DRAWING NUMBER:	
REQUESTED CLARIFICATION:			
<p>YOUR SPECS MENTION BOTH SURFACE SEALER (FOG SEAL) + SLURRY SEAL COAT. THERE IS NO MENTION OF SEAL COAT ON THE PLANS. DO YOU WANT AN EMULSION BASED SEALER 30 DAYS AFTER PAVING INSTEAD?</p>			
RESPONSE TO CLARIFICATION:			
<p>Plans are correct. Do not include slurry seal or fog seal.</p>			
Response By:	Andrew Rappé, PE David Evans & Associates		5/18/22
Verified By (AOR):			

Attach additional numbered sheets as necessary; however, only one (1) clarification request shall be contained on each submitted form.

END OF DOCUMENT

PRE-BID SUBSTITUTION REQUEST FORM

(Due a minimum of ten (10) calendar days prior to date of bid opening)

To: jho@nocccd.edu	From: ROBERT JARVIS
	Contact: CENTURY PAVING INC.
	Email: ROBERT@PAVEIT.COM
	Phone: 714 522 2910

Owner: NOCCCD

Submittal Date: 5-16-22

Project: Bid #2122-23, West Parking Lot Renovation Project at Anaheim Campus Previous Date: _____

PROPOSED SUBSTITUTION

Specification Section, Article, Paragraph: PART 2.1 B SOIL STERILANT
 Applicable Drawing & Details: 2.1 A, 3.3 C PREPARATION OF SUBGRADE
 Proposed Substitution: OUST XP
 Manufacturer: BAYER ENVIRONMENTAL SCIENCE
 Product/Model: _____

REASON FOR SUBSTITUTION REQUEST

- ☒ Pre-Bid Substitution
☐ Specified product is not available. Explain: _____
☐ Other: _____

EFFECTS OF PROPOSED SUBSTITUTION

Does substitution affect dimensions indicated on Drawings?

- ☒ NO ☐ YES Explain: _____

Does substitution affect Work of other Sections?

- ☒ NO ☐ YES Explain: _____

Does substitution require modifications to design, changes to Drawings, or revisions to specifications to be incorporated into the Project?

- ☒ NO ☐ YES Explain: _____

BIDDER'S REPRESENTATION

Undersigned accepts responsibility for coordination of proposed substitution and accepts all additional costs resulting from the incorporation of proposed substitution into the Project per the General Conditions and Specification Section 016000. Contractor is required to submit all additional document with this request form in accordance with General Conditions Article 16.

Subcontractor

Signature: _____

Date: _____

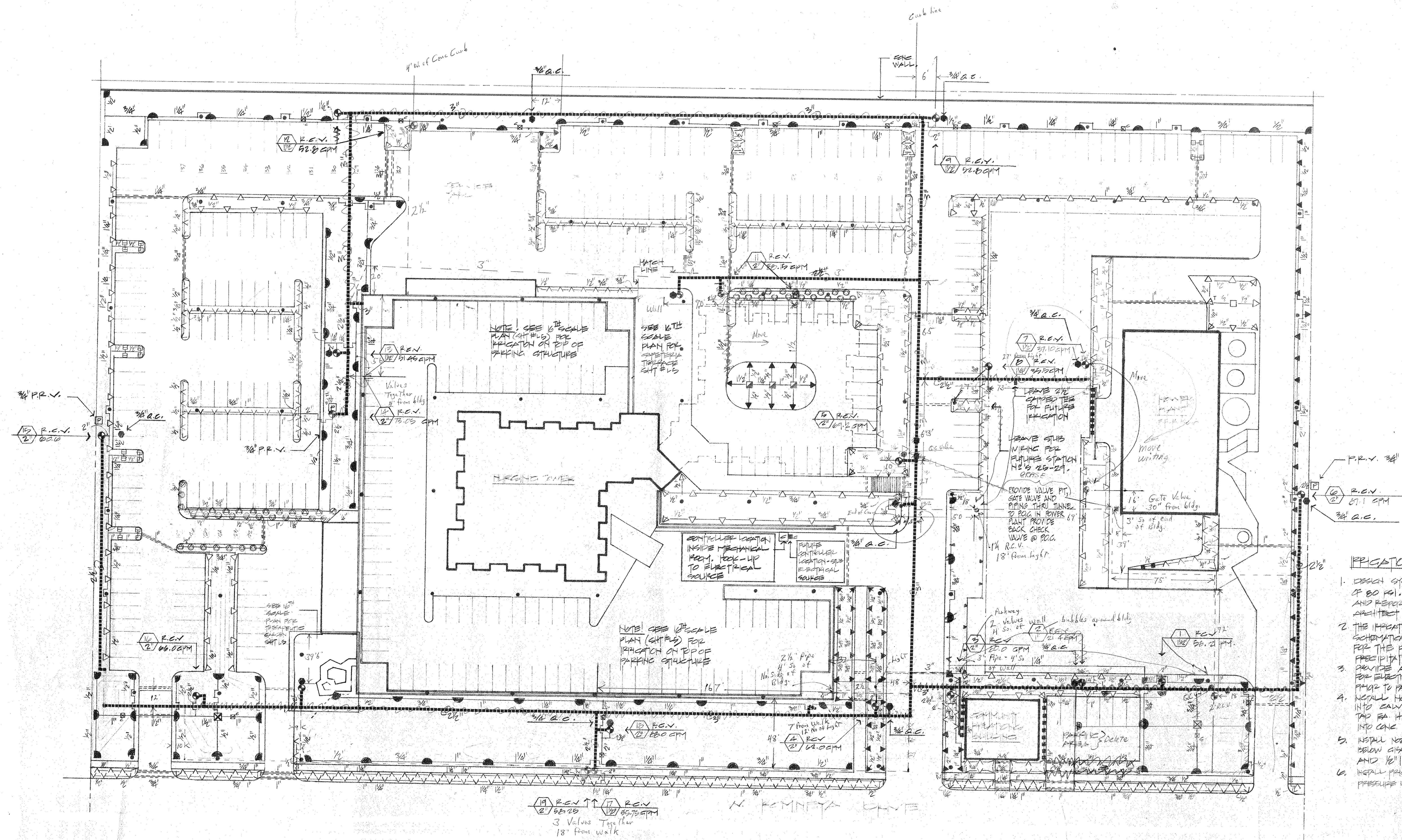
ContractorSignature: DIDate: 5-16-22**DISTRICT/ARCHITECT'S REVIEW**

- ☒ Accepted
☐ Not Accepted

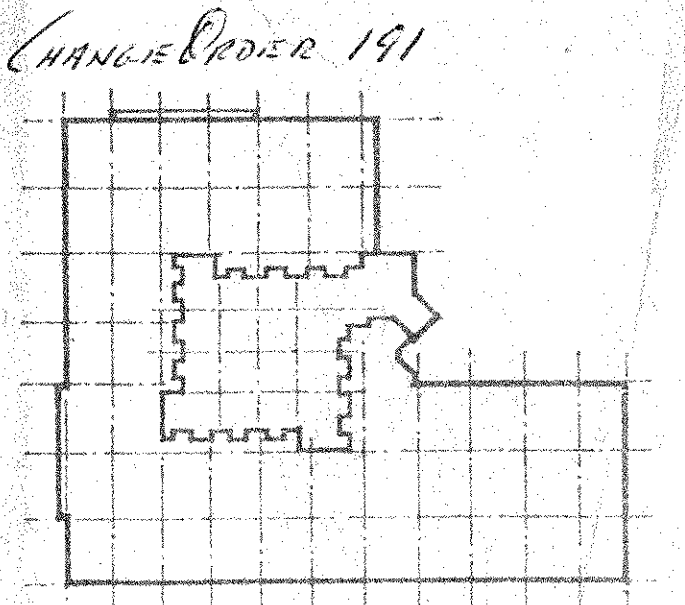
Reviewer: _____

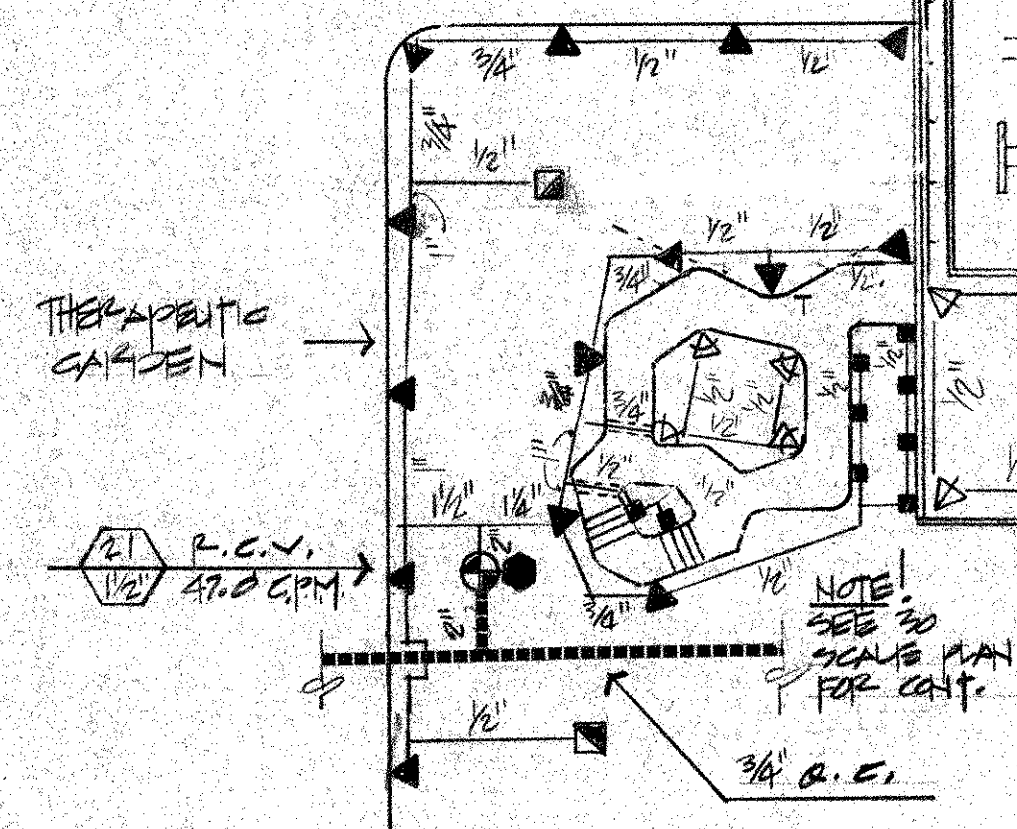
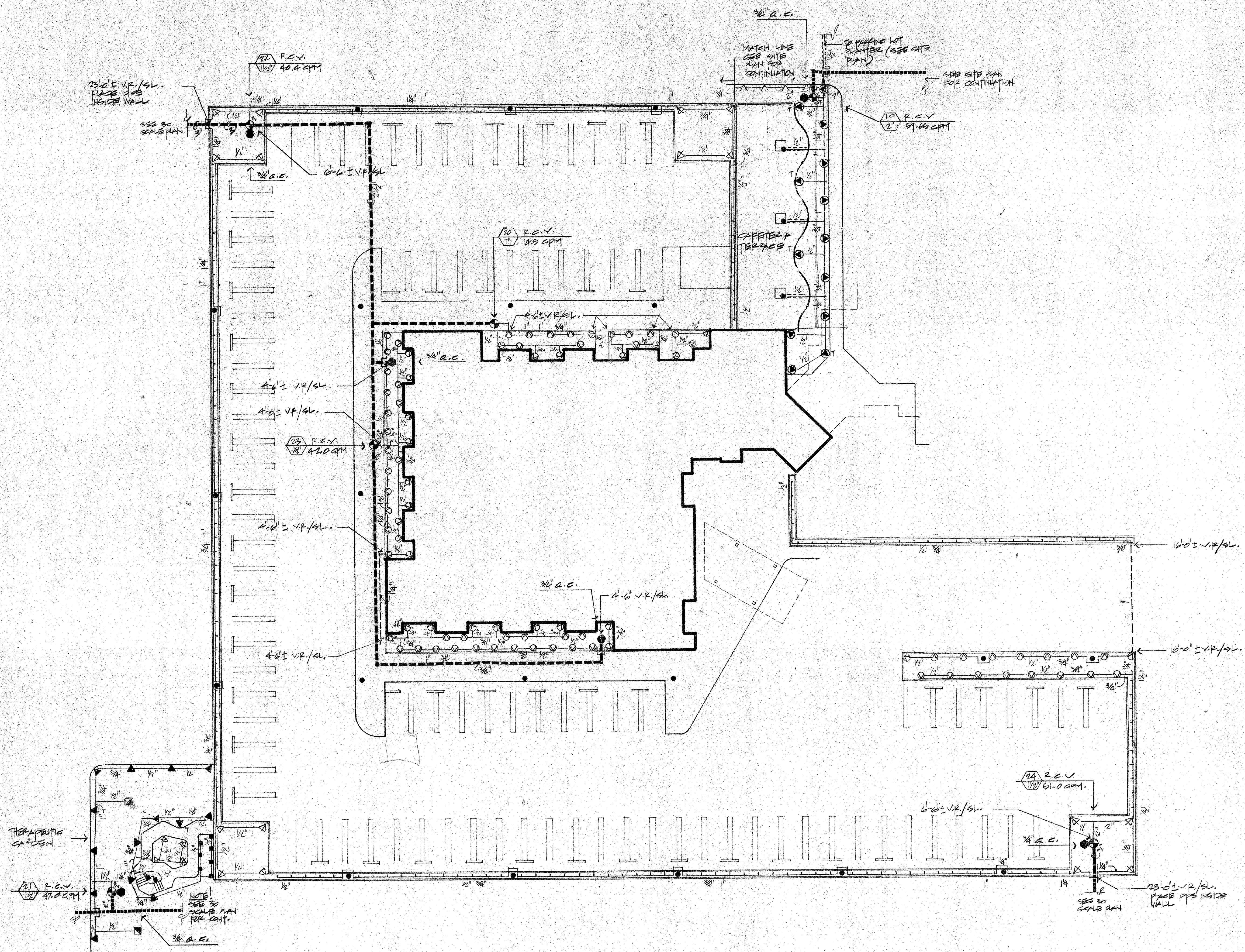
Date: Andrew Rappé, PE | DEA
5/17/22

END OF DOCUMENT

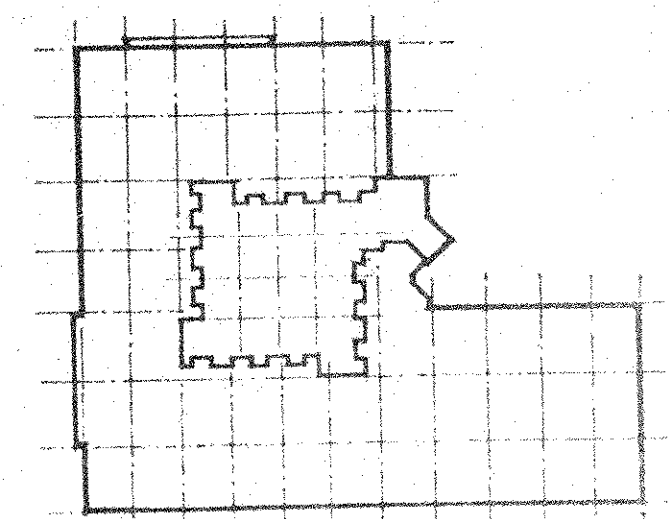


- IRIGATION NOTES**
1. DESIGN SYSTEM FOR A STATIC PRESSURE OF 80 PSI. CONTRACTOR TO VERIFY AND REPORT ANY DISCREPANCY TO ARCHITECT.
 2. THE IRRIGATION SYSTEM IS DESIGNED SCHEMATICALLY TO ADJUST THE SYSTEM FOR THE PRECIPITATION COVERAGE AND PRECIPITATION RATES.
 3. PROVIDE ADEQUATE R/C CLEVERES FOR ELECTRICAL WIRING TO BE LAID PRIOR TO PAVING.
 4. INSTALL NOZZLE LINE HEADS @ 1' O.C. INTO SAW PIPE SET 40\"/>

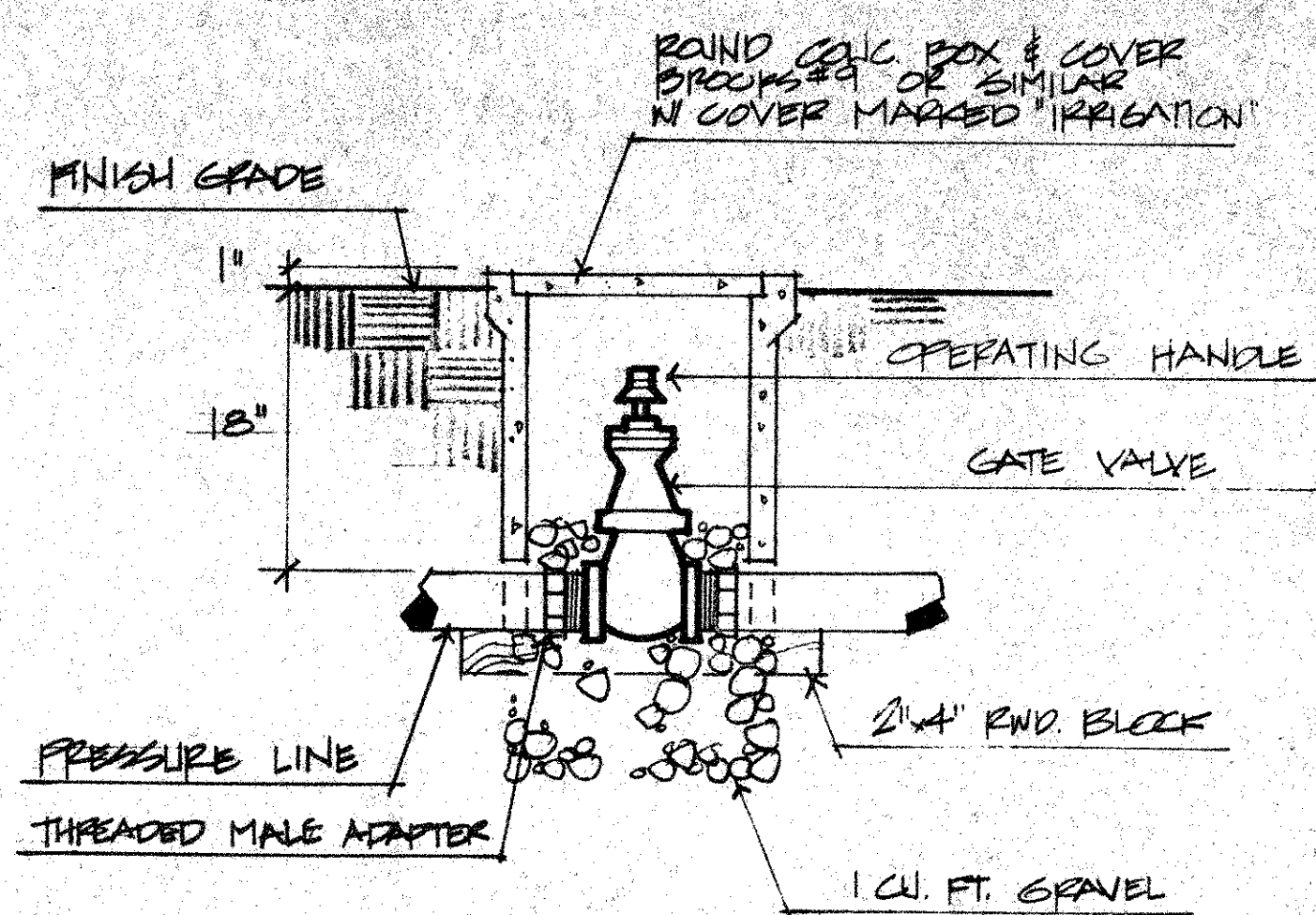




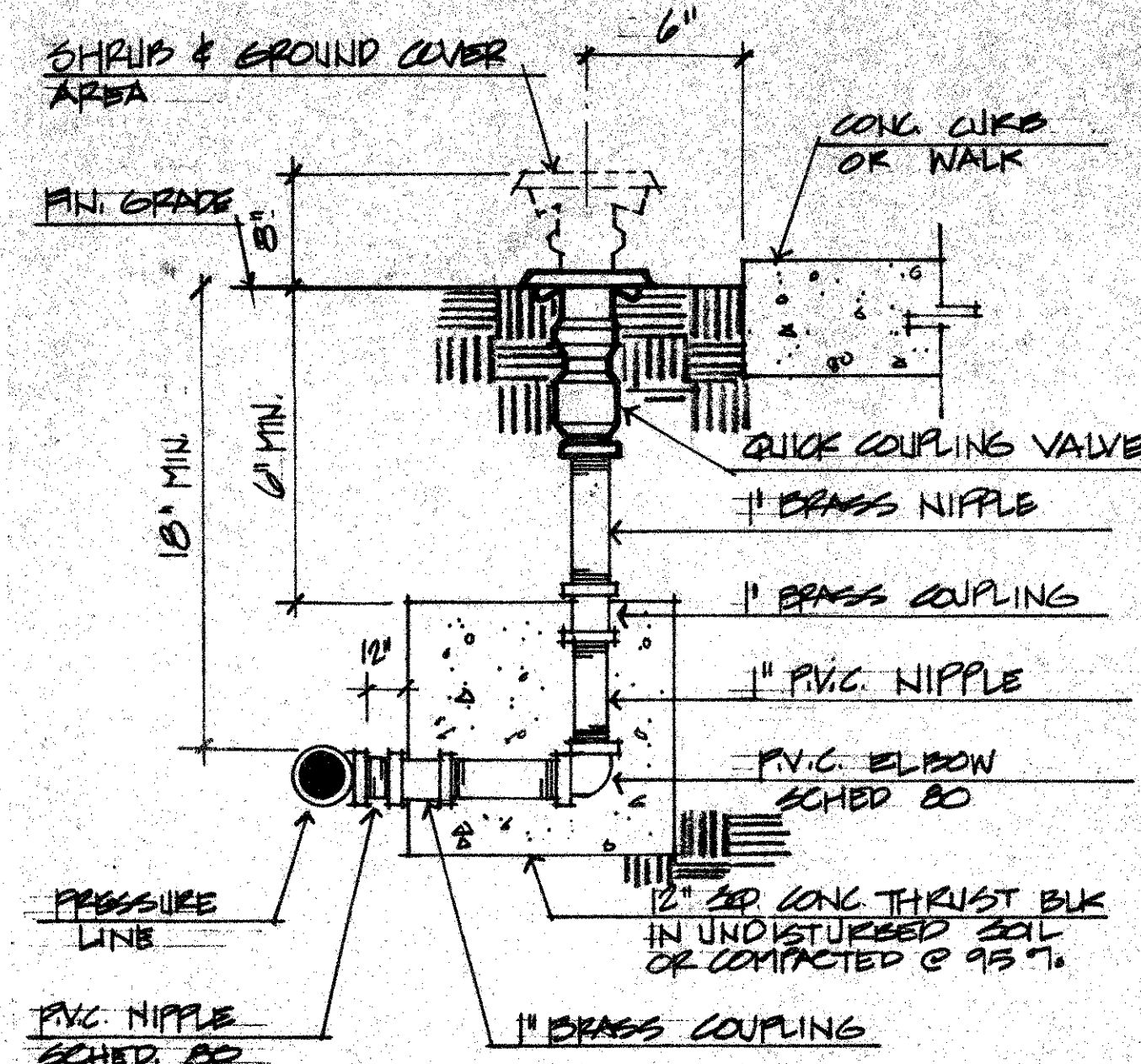
SCALE 1/8"=1'-0"



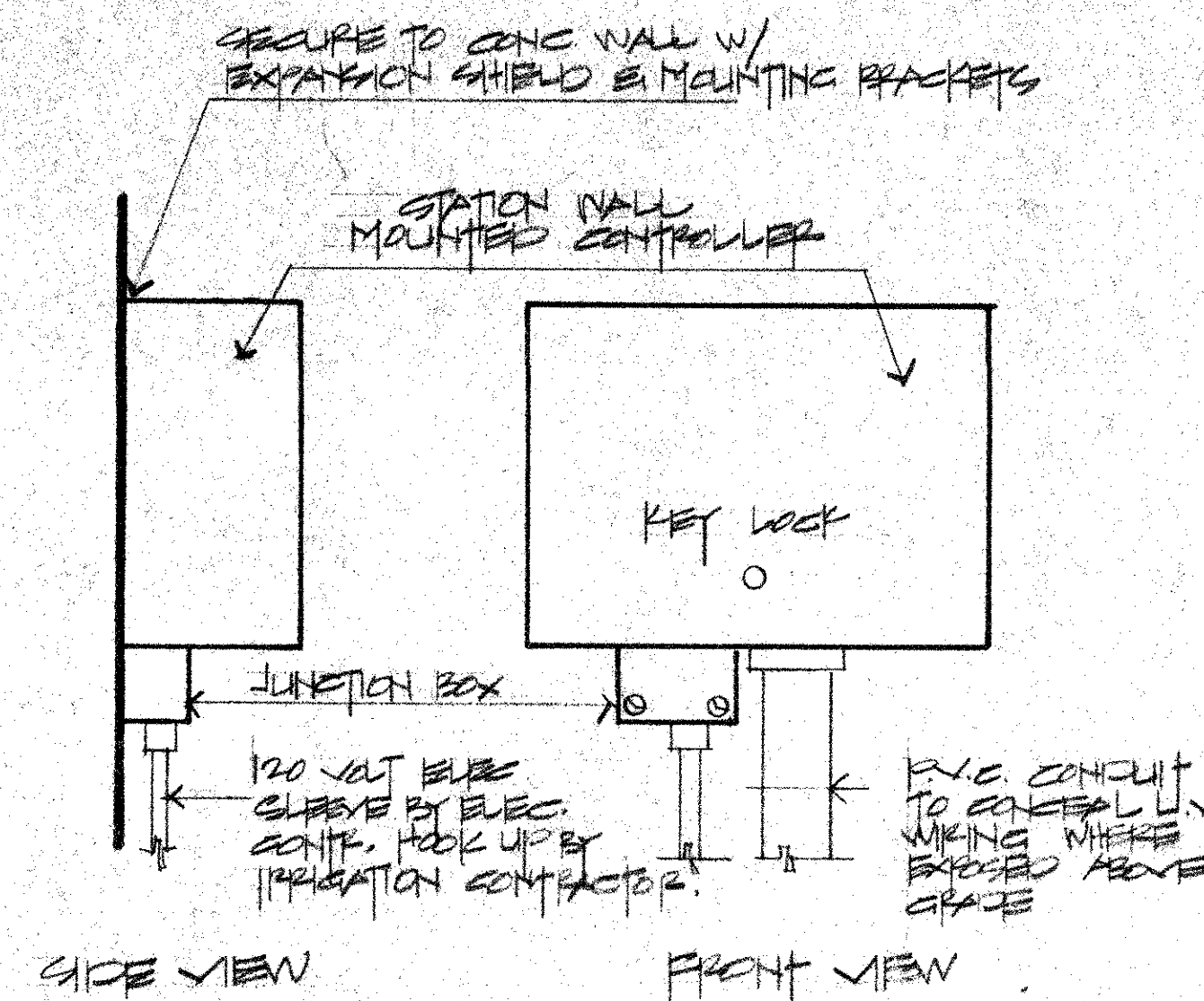
KEY PLAN



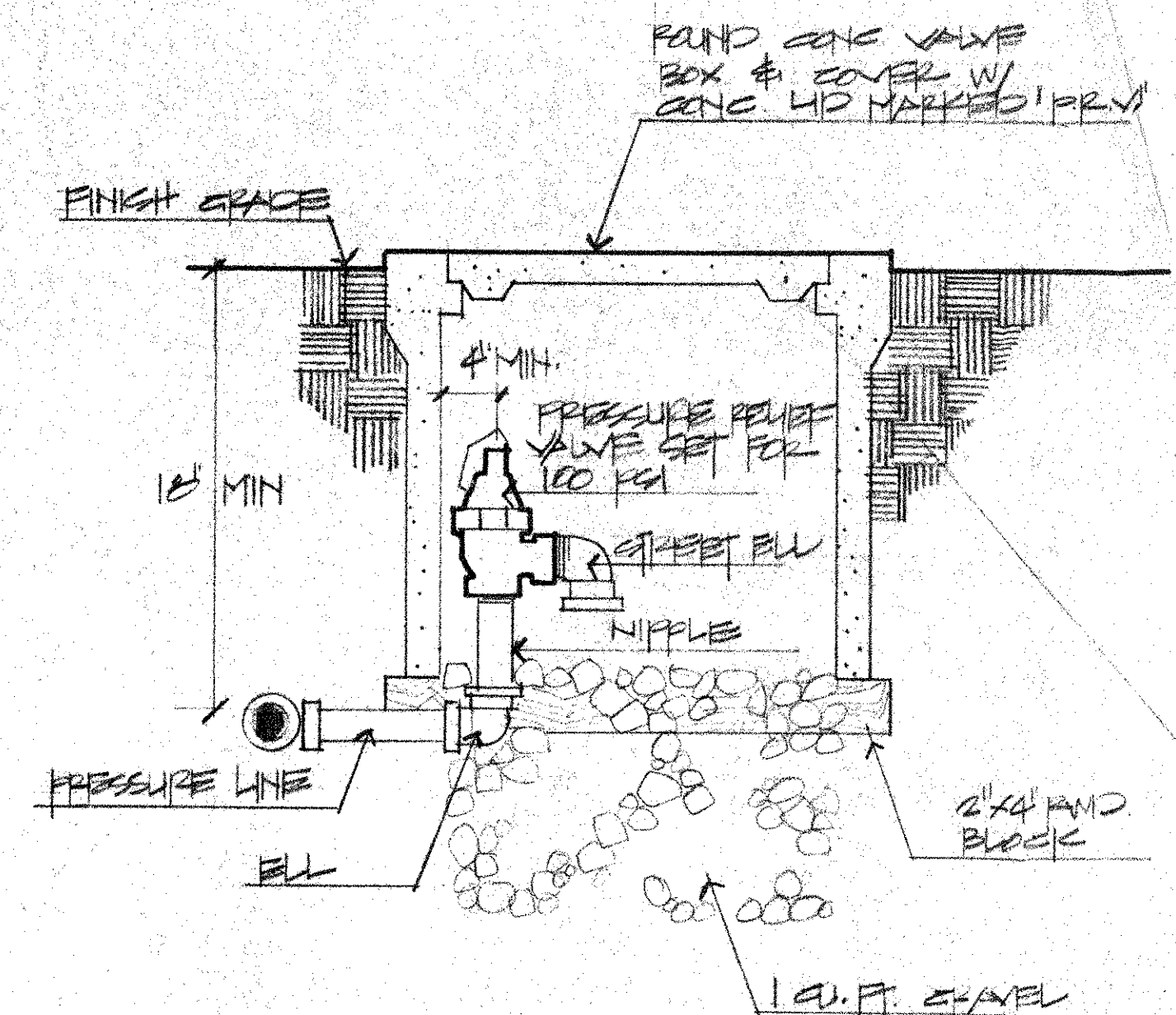
GATE VALVE



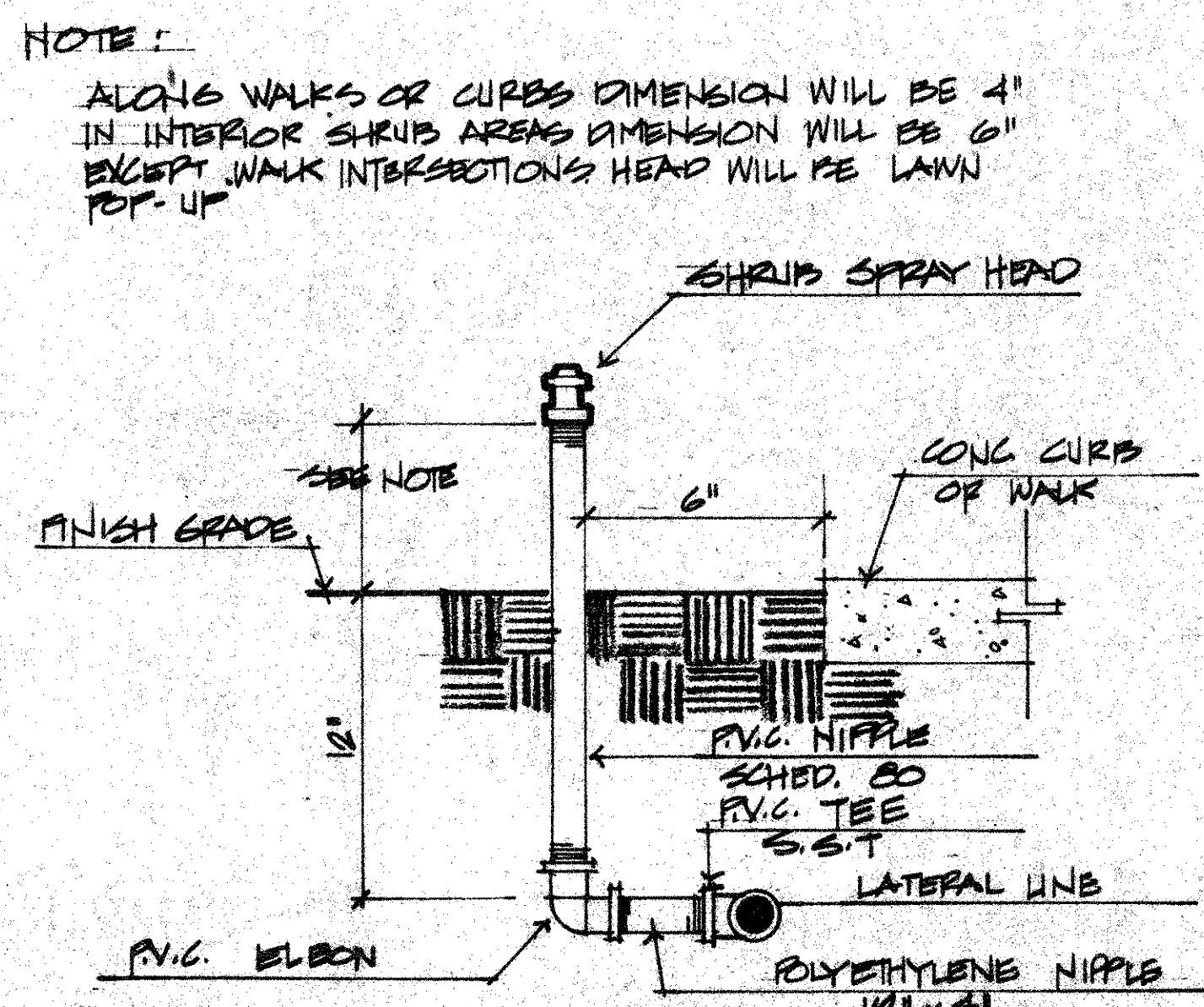
QUICK COUPLER



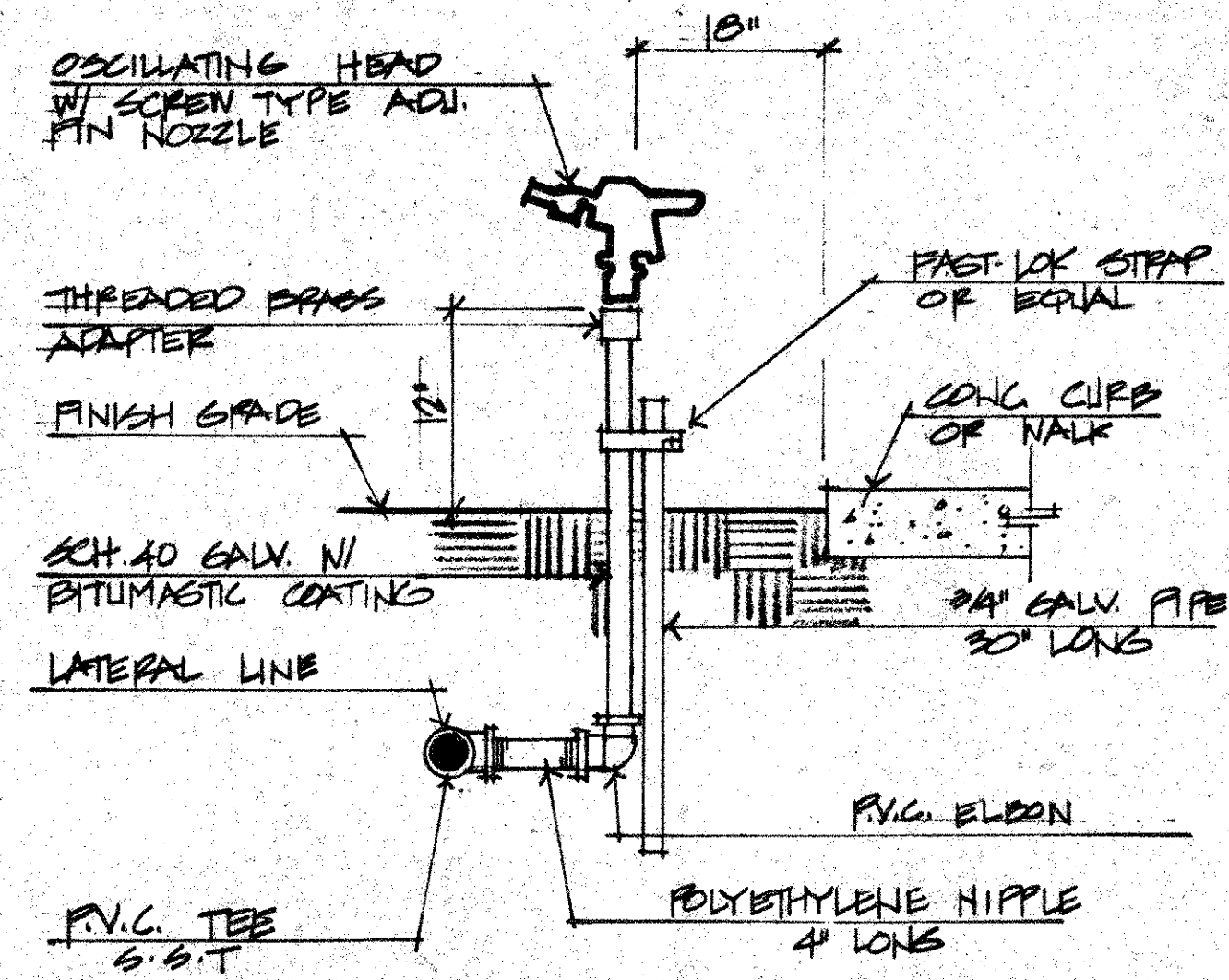
AUTOMATIC CONTROLLER



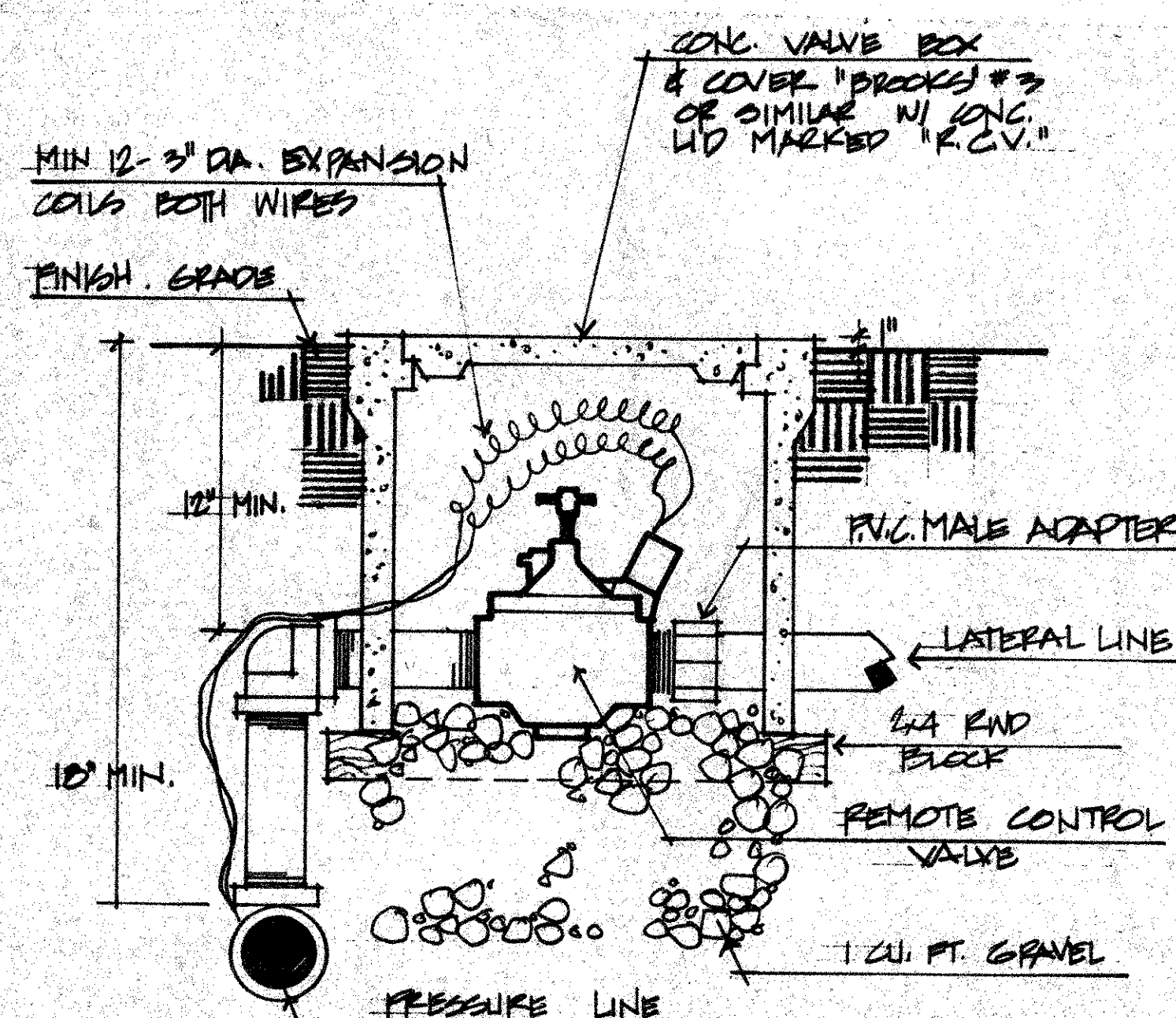
PRESSURE RELIEF VALVE



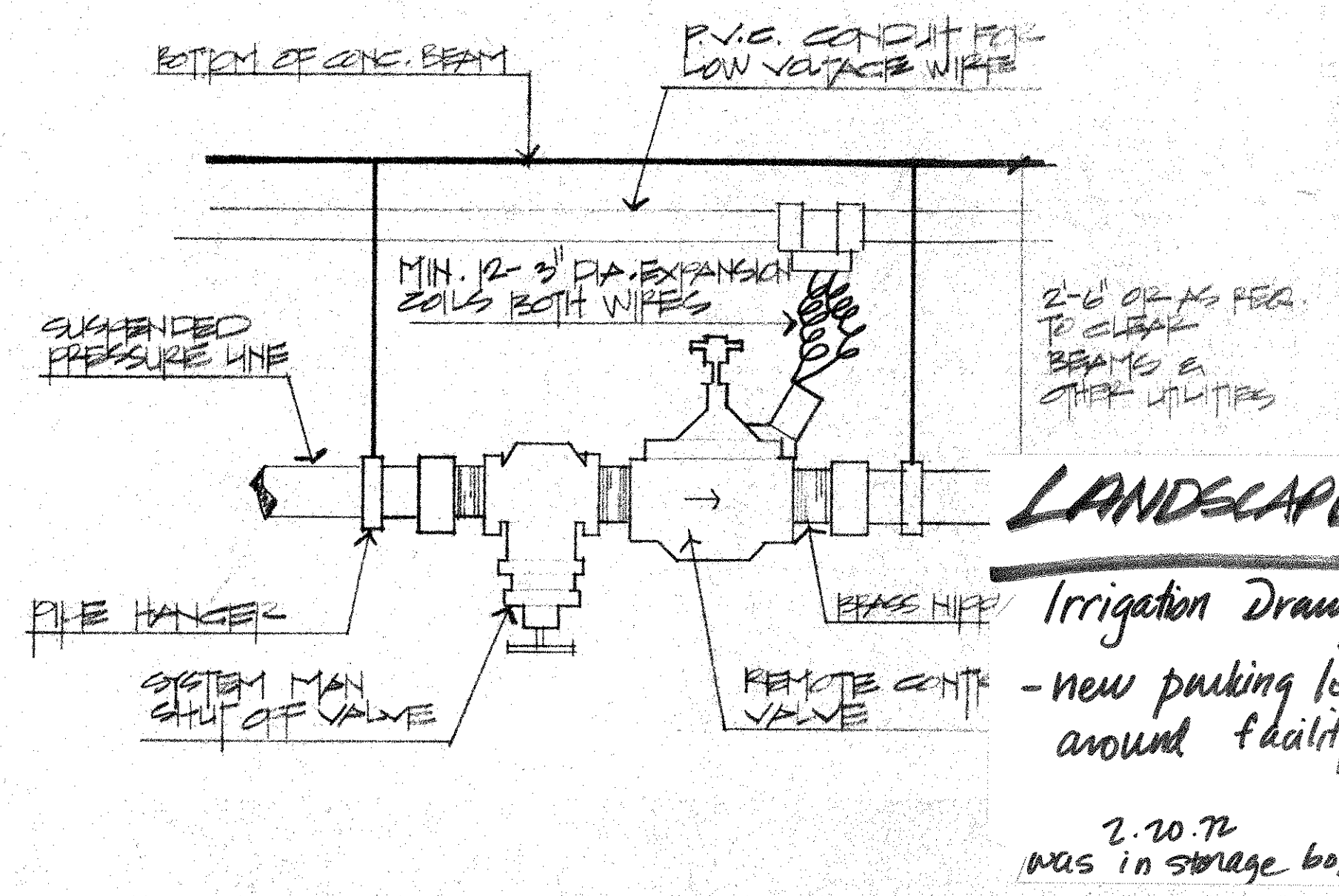
SHRUB HEAD



IMPACT HEAD

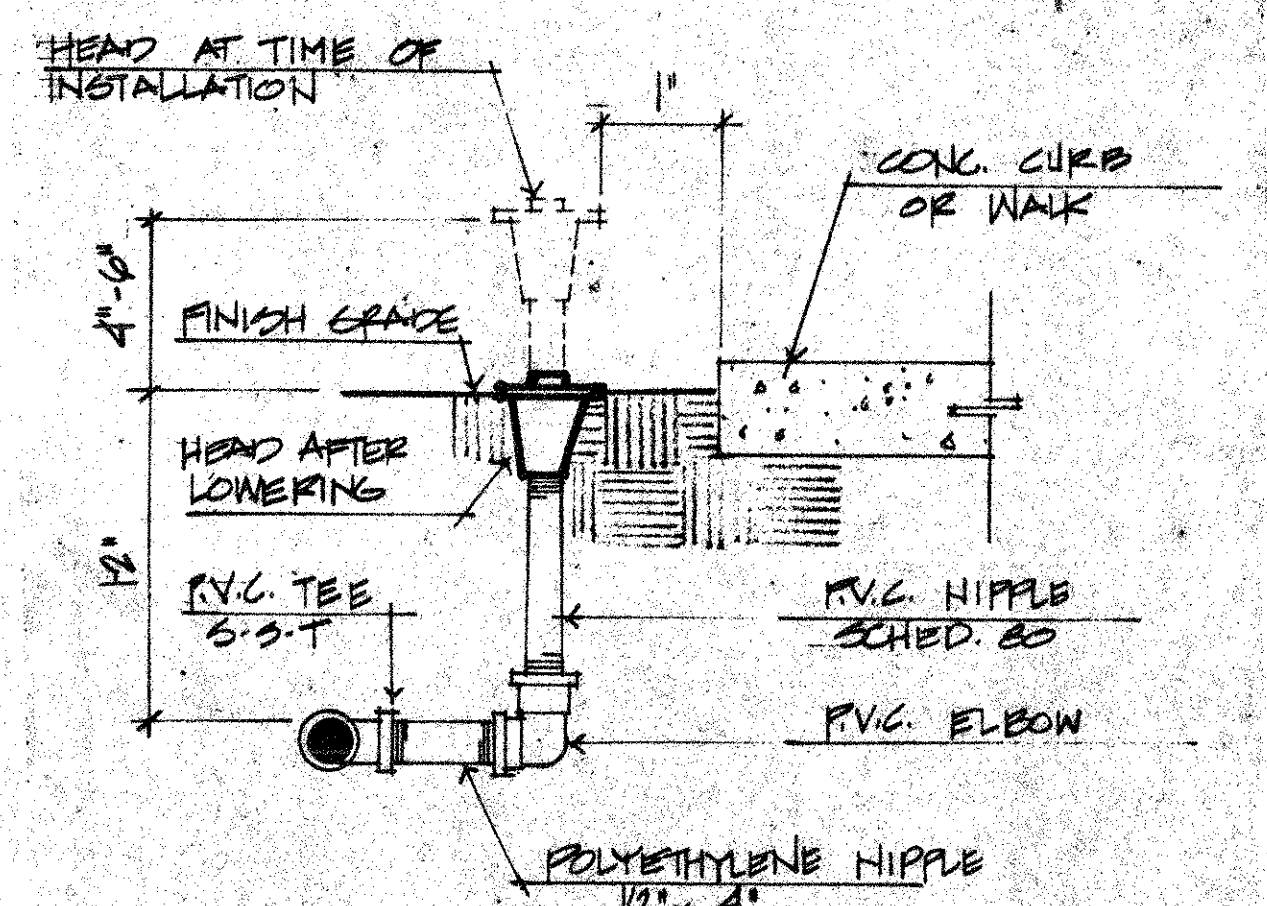


REMOTE CONTROL VALVE

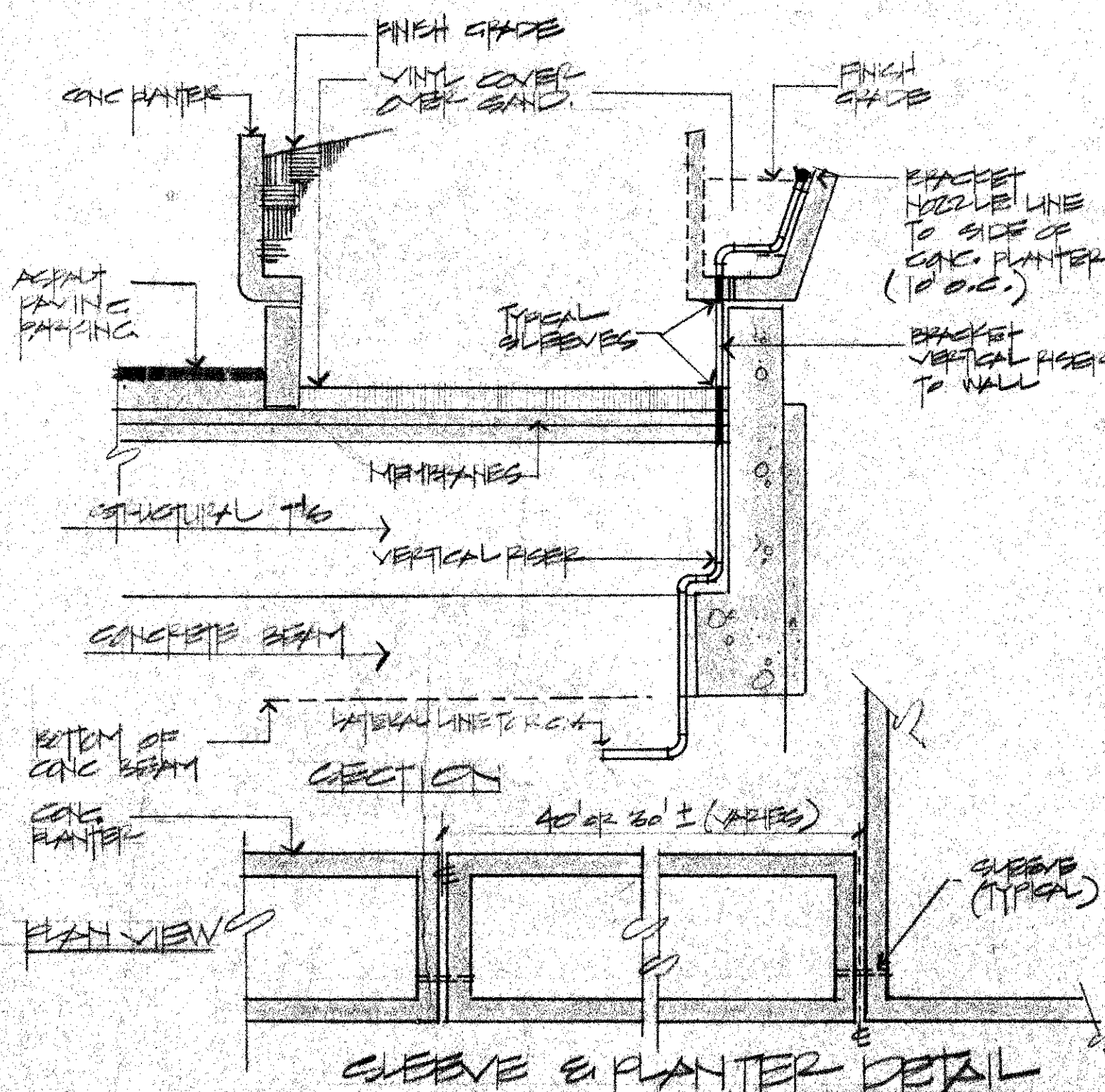


LANDSCAPE

Irrigation Drains
- new parking lot
around facility.
2.10.72
was in storage box



POP-UP HEAD



SLEEVE & PLANTER DETAIL

SYMBOL		IRRIGATION LEGEND		PSI		CPM		PSI		CPM		PSI		CPM		PSI		CPM	
F	T	MANUFACTURER AND MODEL TYPE		PSI		CPM		PSI		CPM		PSI		CPM		PSI		CPM	
□	△	"RAINBIRD" #151 SS SHRUB STREAM GRAY		30	2.1	2.0	1.2	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #151 SS LA SHRUB STREAM GRAY		30	2.1	2.0	1.2	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #171 LA SHRUB STREAM GRAY		30	2.1	2.0	1.2	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #2400 FLT SHRUB STREAM GRAY		30	2.1	2.0	1.2	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #2400 SHRUB STREAM GRAY		30	2.1	2.0	1.2	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #4036 SHRUB STREAM GRAY		30	2.1	2.0	1.2	1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #54 HF NOZZLE HEAD W/ ADAPTER ON 1/2" P.S. GAL. RISER		15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #171 S LANN FOR LIP HEAD		15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" #171 L SHRUB STREAM GRAY		20	2.0	2.0	1.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
□	△	"RAINBIRD" #2200 FLOWER BUBBLER		2	2	2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
□	△	"RAINBIRD" #05 5/8" NOZZLE PART CIRCLE IMPACT HEAD		40	40	40	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43
□	△	"RAINBIRD" #20 DE 5/8" NOZZLE FULL CIRCLE IMPACT HEAD		40	40	40	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43	3.43
□	△	"RAINBIRD" #54 HF NOZZLE LINE		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" LATERAL LINE CLASS 100 PVC W/ SOLVENT WELDED JOINTS		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" SUSPENDED LATERAL LINE COATED 40 GALV. PIPE		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" PRESSURE LINE CLASS 100 PVC W/ RUBBER RING JOINTS		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" SUSPENDED PRESSURE LINE COATED 40 GALV. PIPE		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" THOMPSON 3/4" QUICK COUPLER		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" GATE VALVE 2"		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" PRESSURE RELIEF VALVE		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" GROUNDWATER 24 STATION 120 VOLT SURF CONTROLLER MODEL #2406		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" ELECTRIC REMOTE CONTROL VALVE #2400 E		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" P.V.C. SURFACE FOR ELECTRICAL WIRING.		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" LATERAL LINE OR PRESSURE LINE LAID PRIOR TO PAVING.		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" CHECK VALVE		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
□	△	"RAINBIRD" FUTURE CONTROLLER		15	15	15	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

NEW PART 1.1

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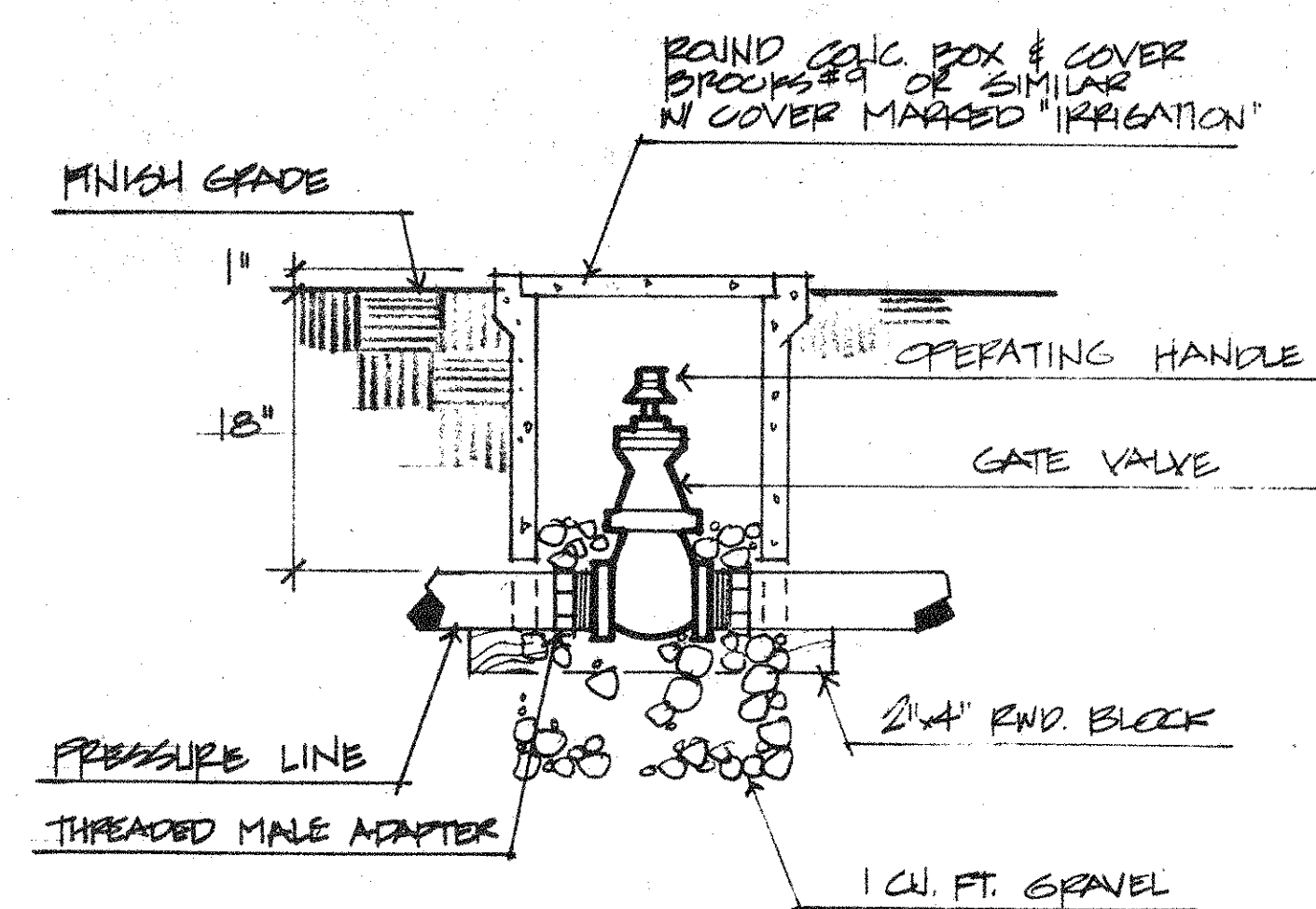
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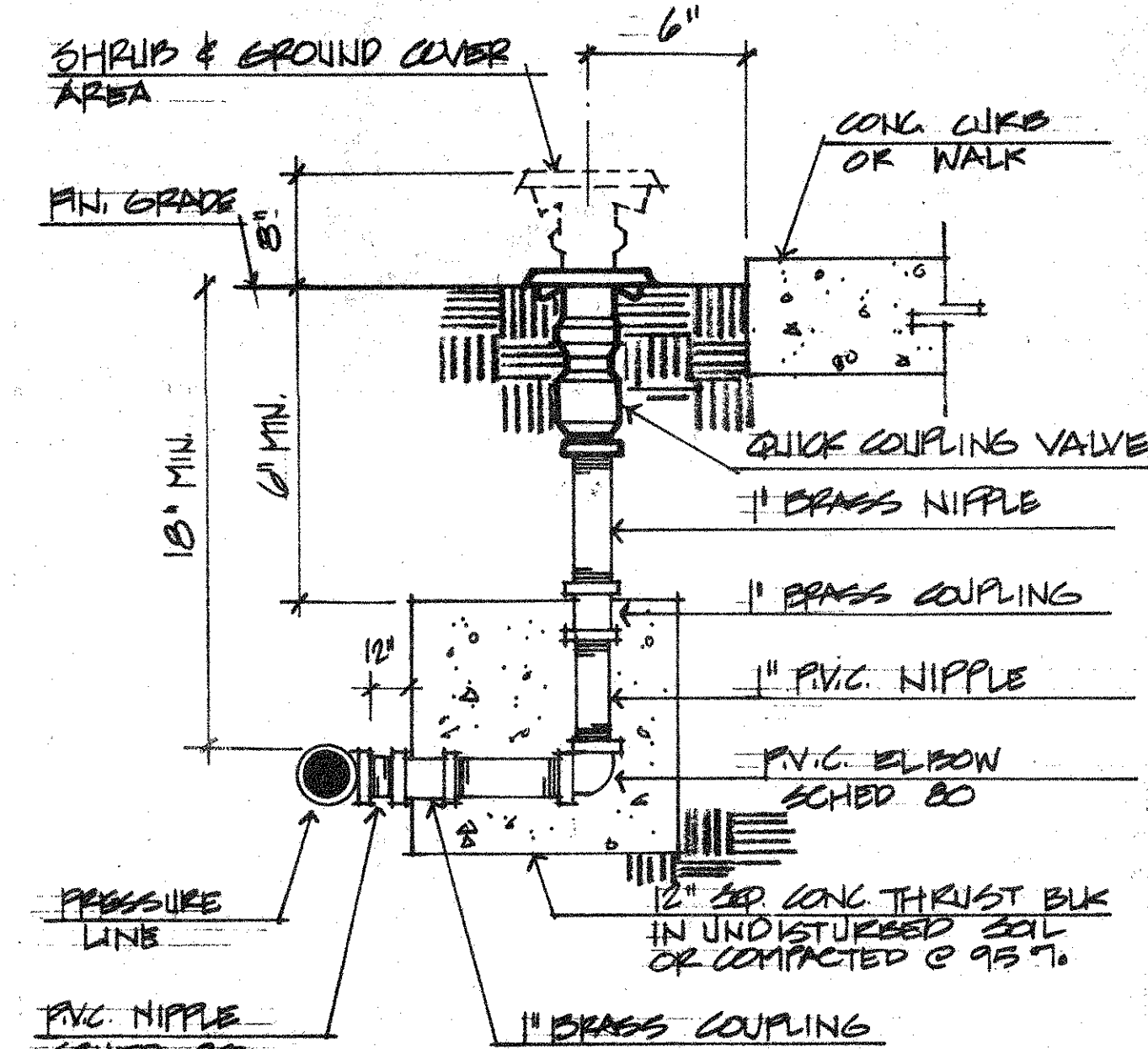
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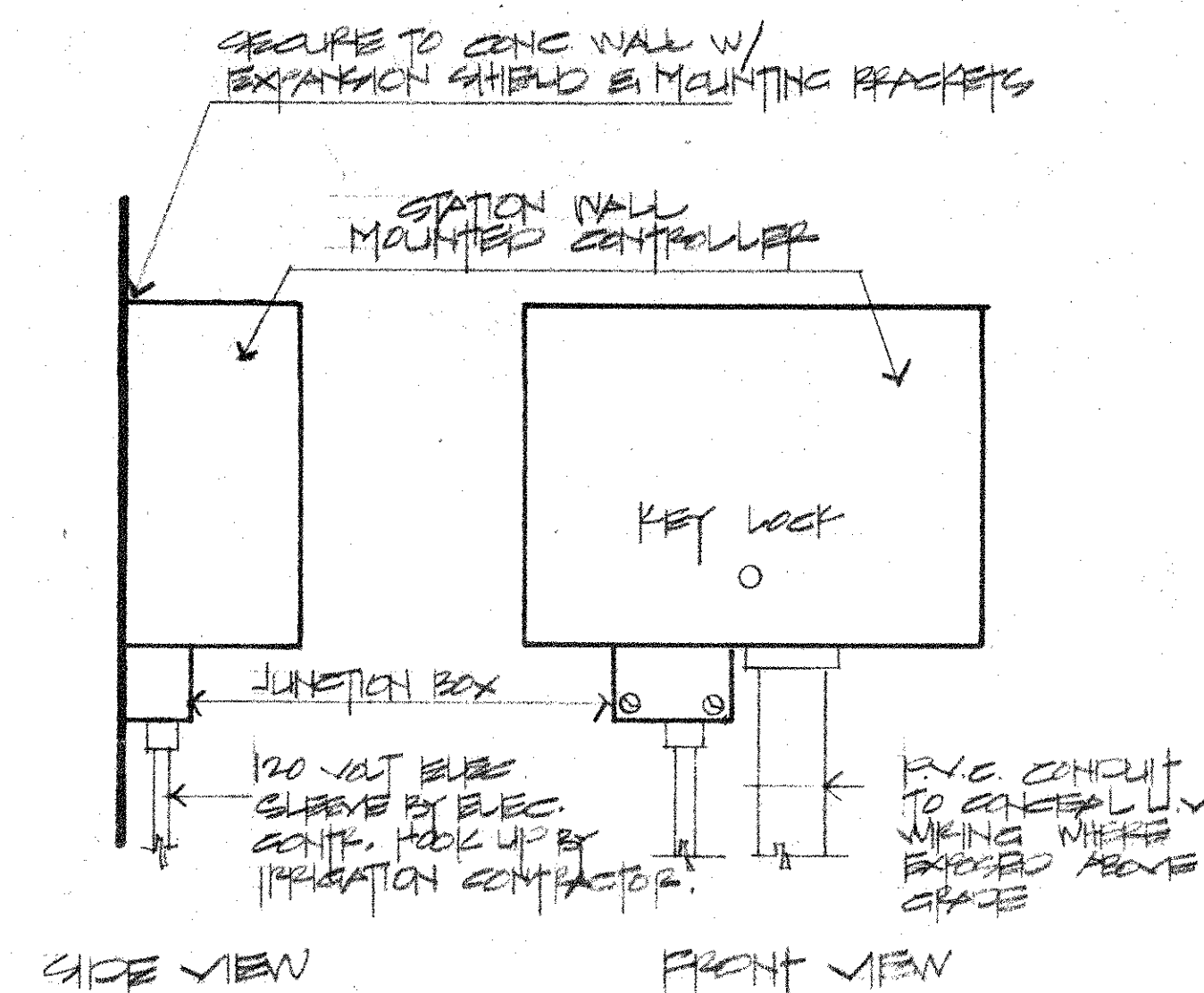
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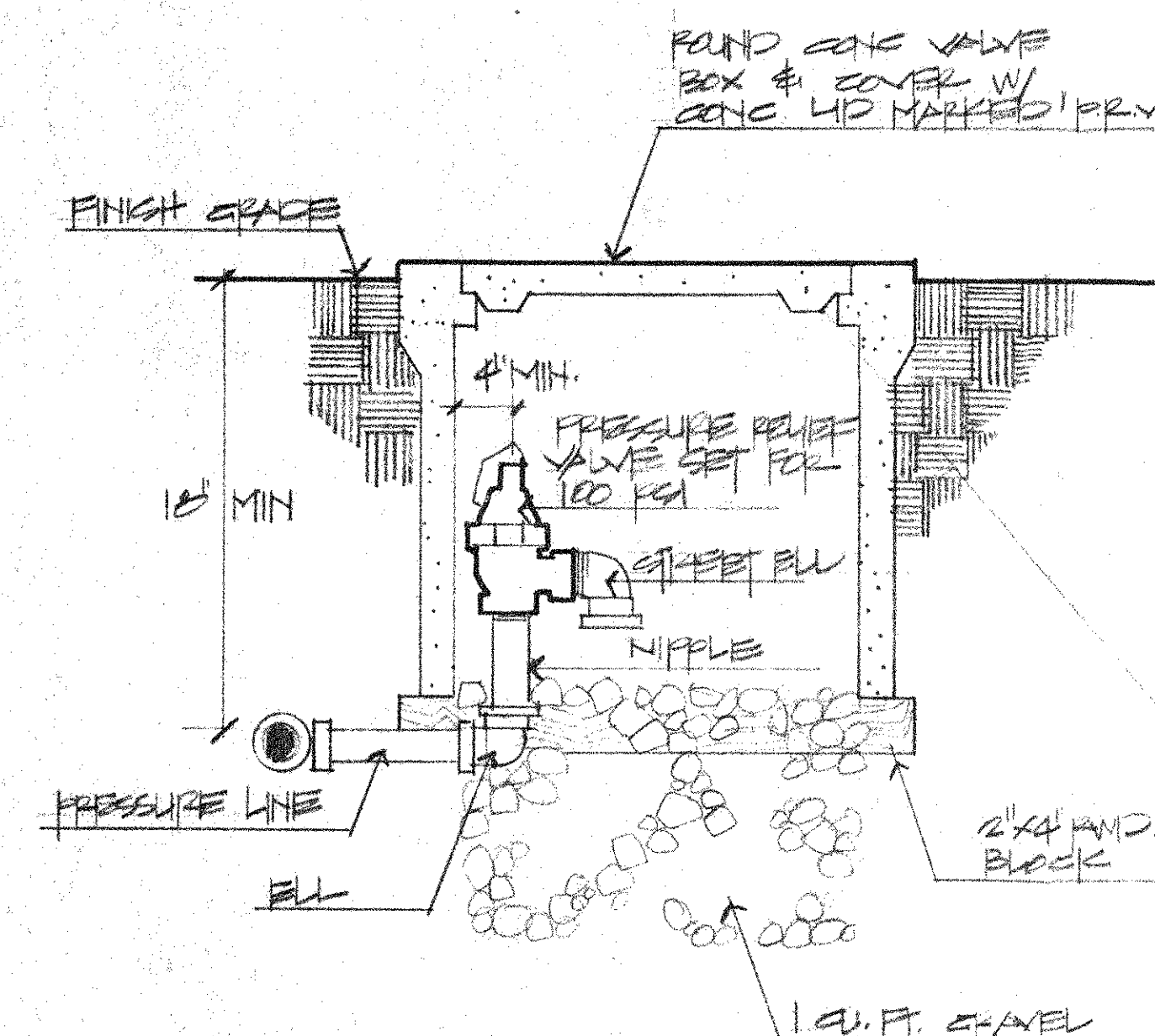
GATE VALVE



QUICK COUPLER

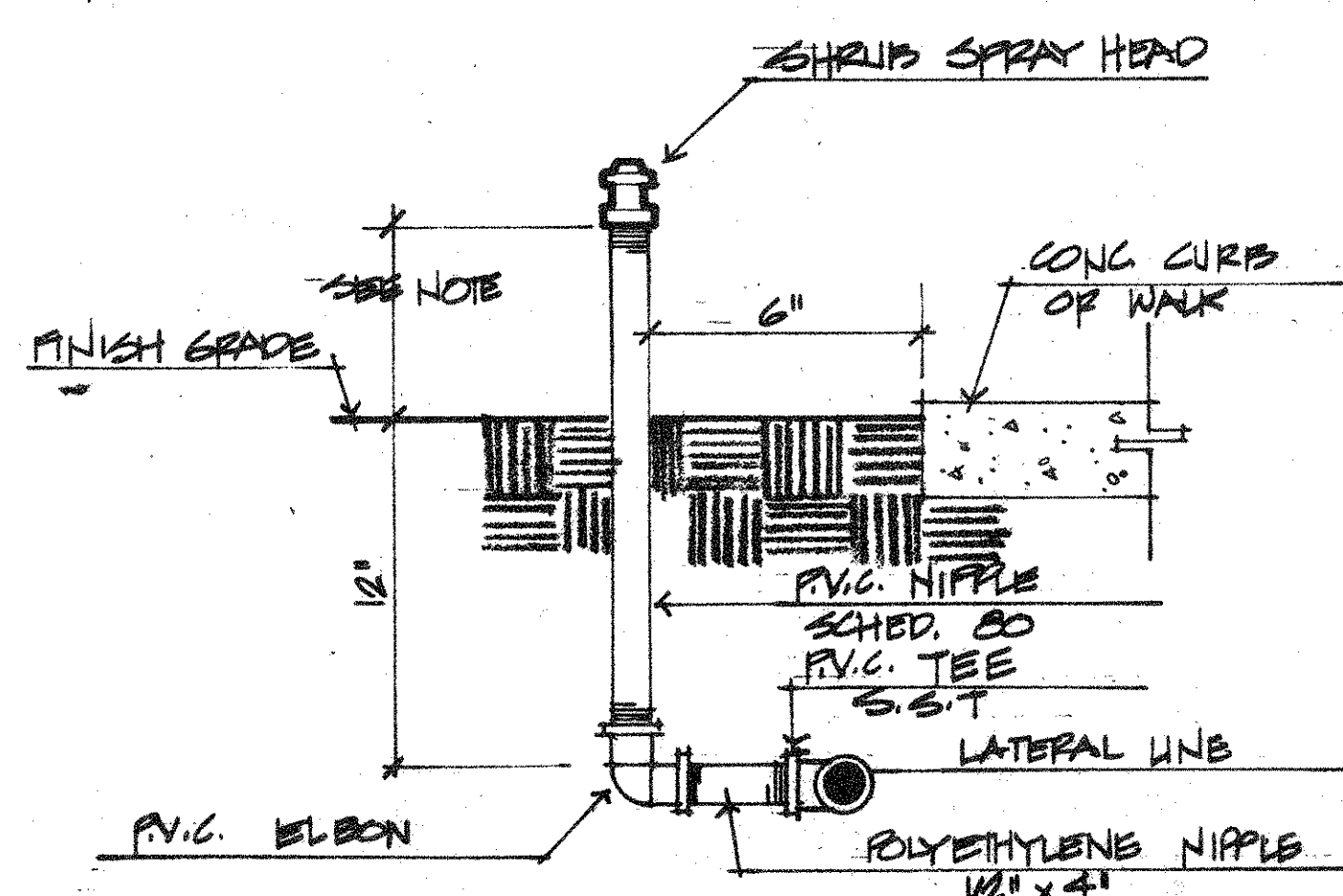


AUTOMATIC CONTROLLER

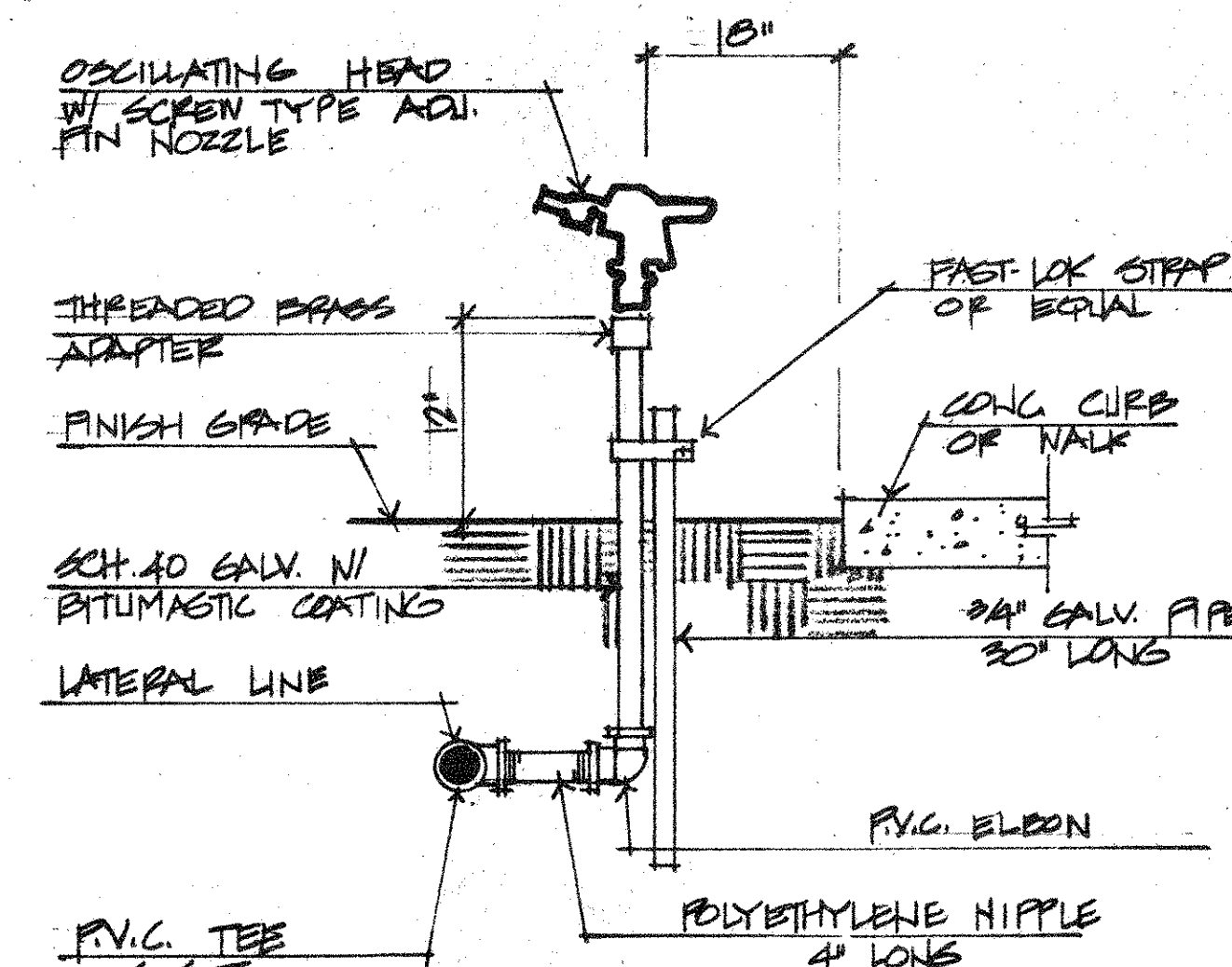


PRESSURE RELIEF VALVE

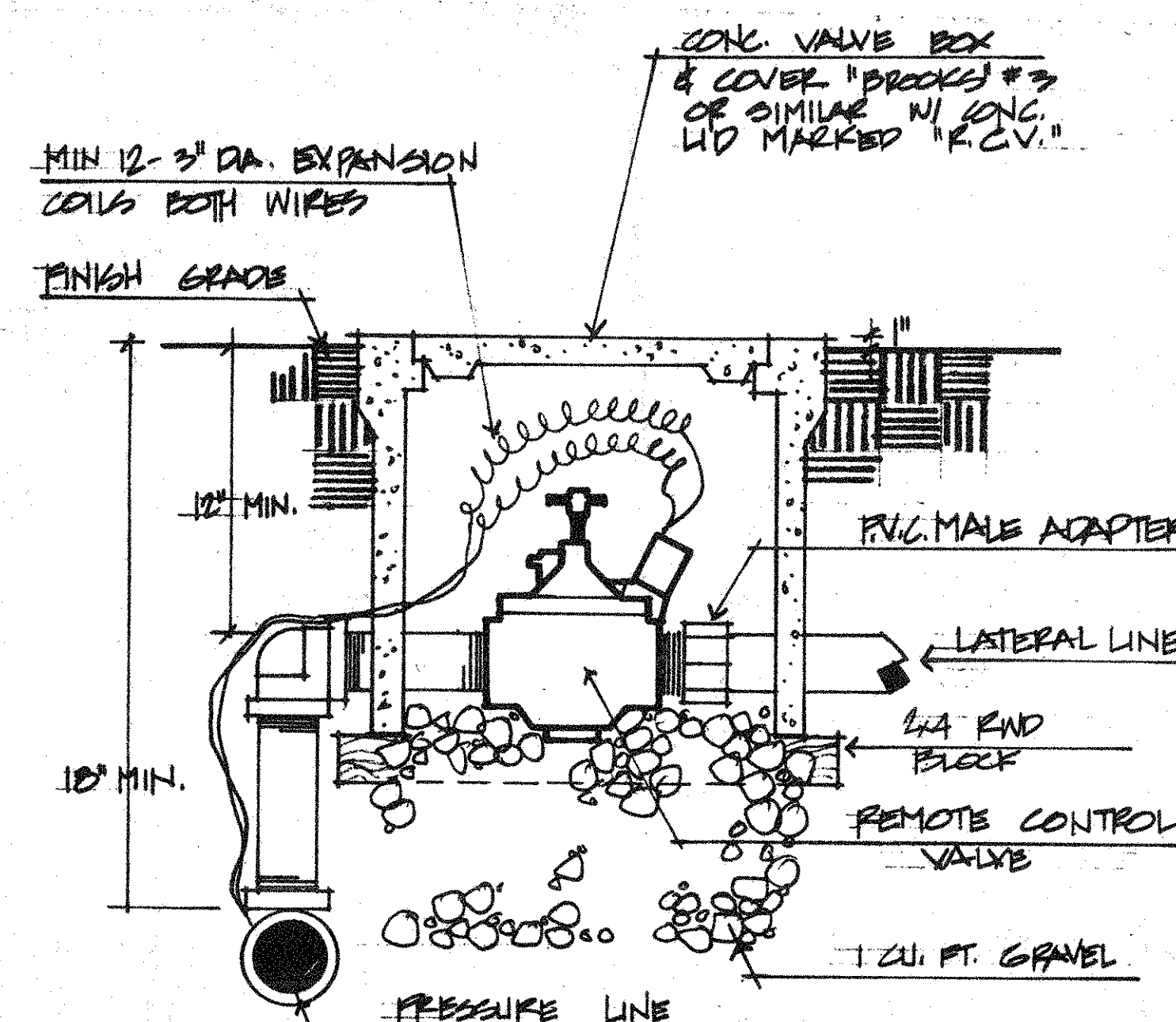
NOTE:
ALONG WALKS OR CURBS DIMENSION WILL BE 4"
IN INTERIOR SHRUB AREAS DIMENSION WILL BE 6"
EXCEPT WALK INTERSECTIONS HEAD WILL BE LAWN
POP-UP



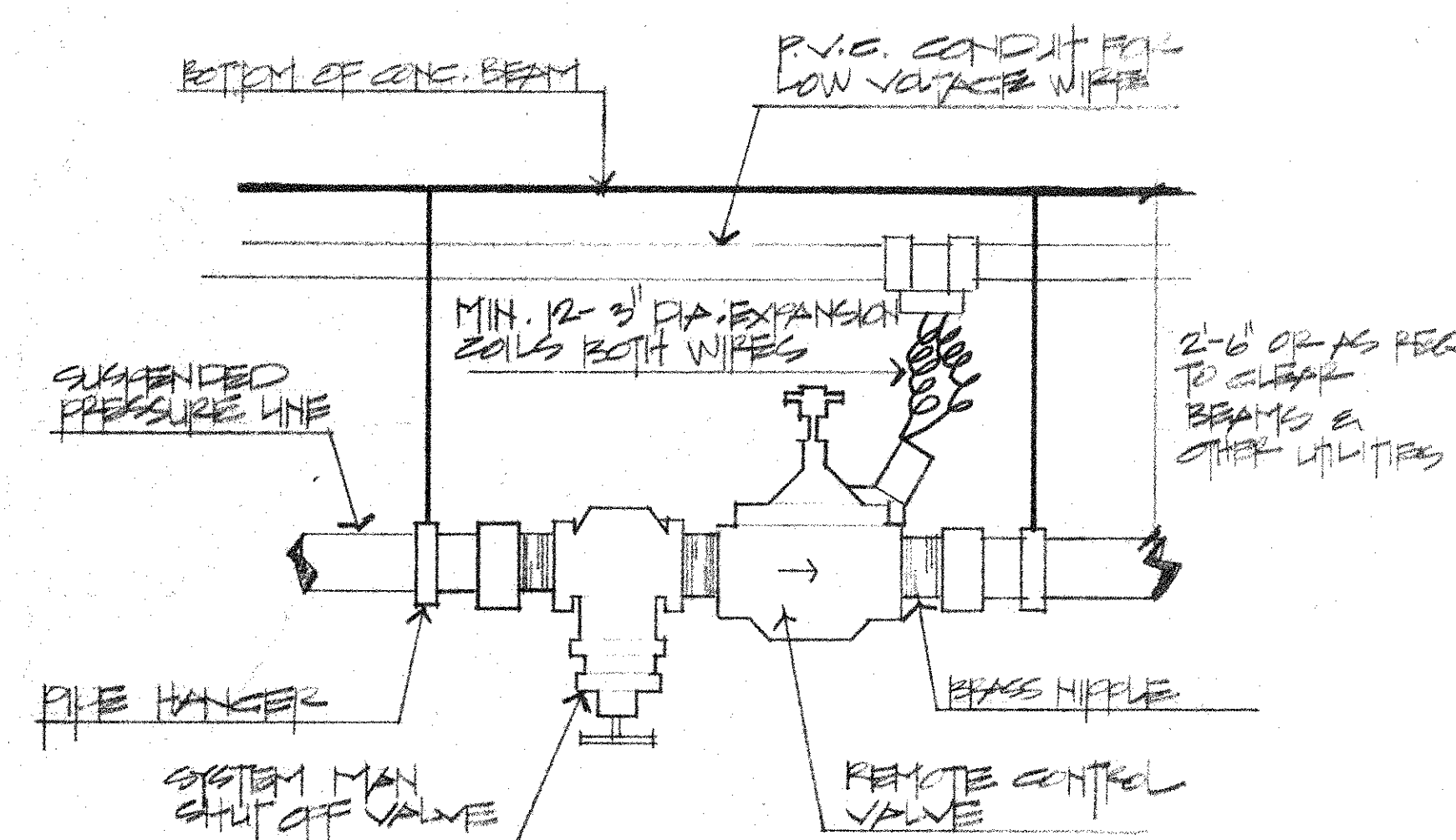
SHRUB HEAD



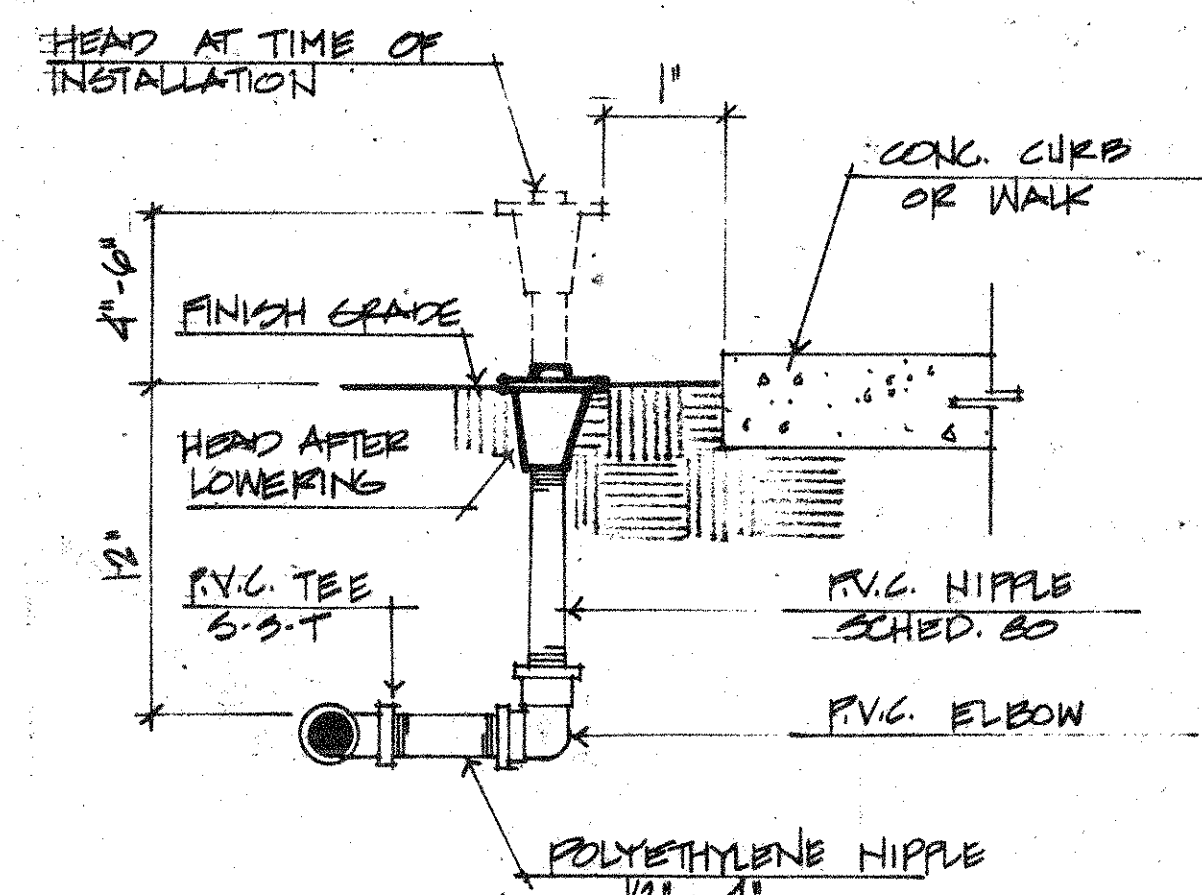
IMPACT HEAD



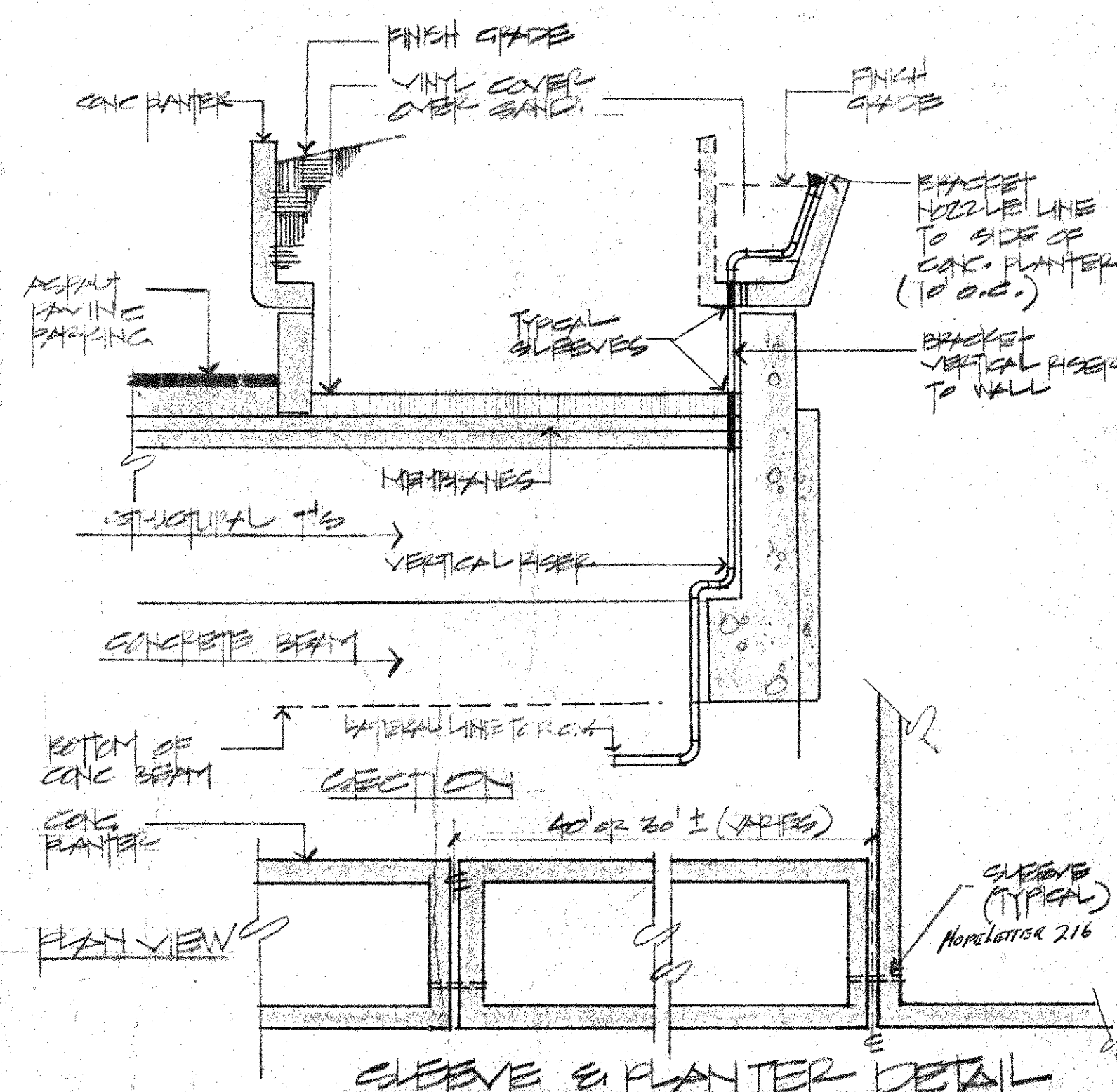
REMOTE CONTROL VALVE



R.C.V. SUSPENDED



POP-UP HEAD

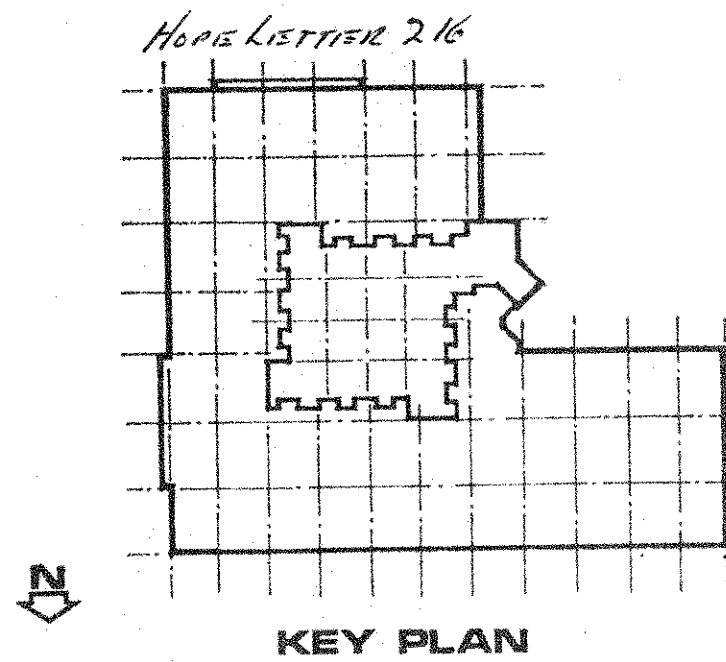


CHEEVE & PLANTER DETAIL

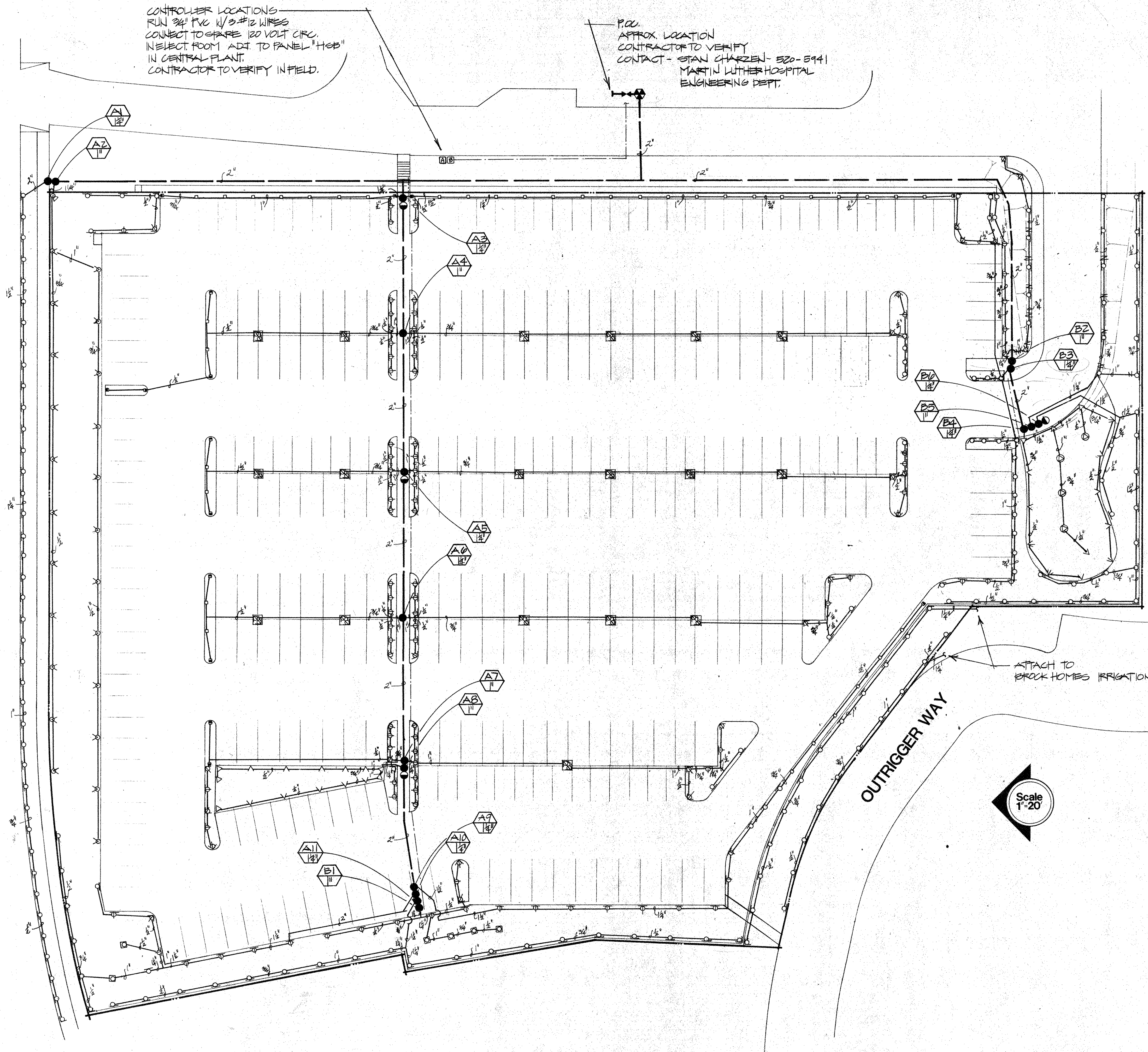
IRRIGATION LEGEND												
MANUFACTURER AND MODEL TYPE						SPM				REMARKS		
SYMBOL						PSI	F	T	H	T	R	REMARKS
P						30	2.1	2.0	1.2	.1	.5	SEE DETAIL
H						20			1.0		.6	
T						20			1.0		.5	
V						20			1.0		.75	
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ABBREVIATIONS
 G.V. GATE VALVE
 P.O.C. POINT OF CONNECTION
 Q.C. QUICK COUPLER
 V.P. VALVE
 P.R.V. PRESSURE RELIEF VALVE
 H.T.G. NOT TO SCALE
 O.C. ON CENTER
 R.C.V. REMOTE CONTROL VALVE
 R.C.V. REMOTE CONTROL VALVE

VALVE DESIGNATION
 1/2\"/>



ROMNEYA DRIVE



Irrigation Notes

THE SYSTEM IS DIAGNOSTIC. ALL PIPE, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.

THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND PREVENT OVERSPRAY ONTO WALKS AND ROADWAYS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS.

DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST AND SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR REVISIONS NECESSARY.

INSTALL ALL HEADS WITH DOUBLE SWING JOINTS, USING TWO STREET ELUGS, AS PER DETAIL.

IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUBCONTRACTORS, FOR LOCATING PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, ETC.

THE SPRINKLER SYSTEM DESIGN IS BASED ON MINIMUM OPERATION PRESSURE OF 65 PSI AND A MAXIMUM DEMAND OF 50 GPM AT THE POINT OF CONNECTION.

INSTALL ALL EQUIPMENT PER LOCAL CODES.

ALL MAINLINE UNDER PAVING SHALL BE INSTALLED 24" DEEP. ALL LATERAL LINE UNDER PAVING SHALL BE SCH 40 PVC AND INSTALLED 18" DEEP.

Irrigation Legend

SYMBOL	MFG.	MODEL	DESCRIPTION	GPM @ PSI
●	TORO	304-12-02	SHRUB STREAM ROTOR	.5
●		308-12-02		1.0
●		5706-15-Q	SPRAY	1.0
●		-120°		1.5
●		-H		2.0
●		-F		4.0
●		5704P-15-Q	H-POP	1.0
●		-120°		1.5
●		-H		2.0
●		5704P-15-Q	TURF	1.0
●		-120°		1.5
●		-H		2.0
●		-F		4.0
●		5706-4-EST	END STRIP	.6
●		5706-4-SST	SIDE	1.5

- HAMMOND #609 GATE VALVE - LINE SIZE
- RAINBIRD RPA-200 REDUCED PRESSURE BACKFLOW PREVENTER
- IMPERIAL BV & CBV R.C. VALVE - SIZE NOTED
- RAINBIRD 330 QUICK COUPLER VALVE
- IMPERIAL CONTROLLERS - VT-11-0/30-0D-DWG-QC (PEDESTAL MOUNT)
- VALCON CHECK VALVE - LINE SIZE
- WIRE SLEEVE SCH 40 PVC
- NON-PRESSURE LATERAL LINE CL 200 PVC, SIZE NOTED - 12" DEEP
- PRESSURE MAINLINE SCH 40 PVC, SIZE NOTED - 18" DEEP

- DENOTES VALVE/CONTROLLER NUMBER
- DENOTES VALVE SIZE

PARKING FACILITY
MARTIN LUTHER HOSPITAL
ANAHEIM, CA.

Irrigation Plan

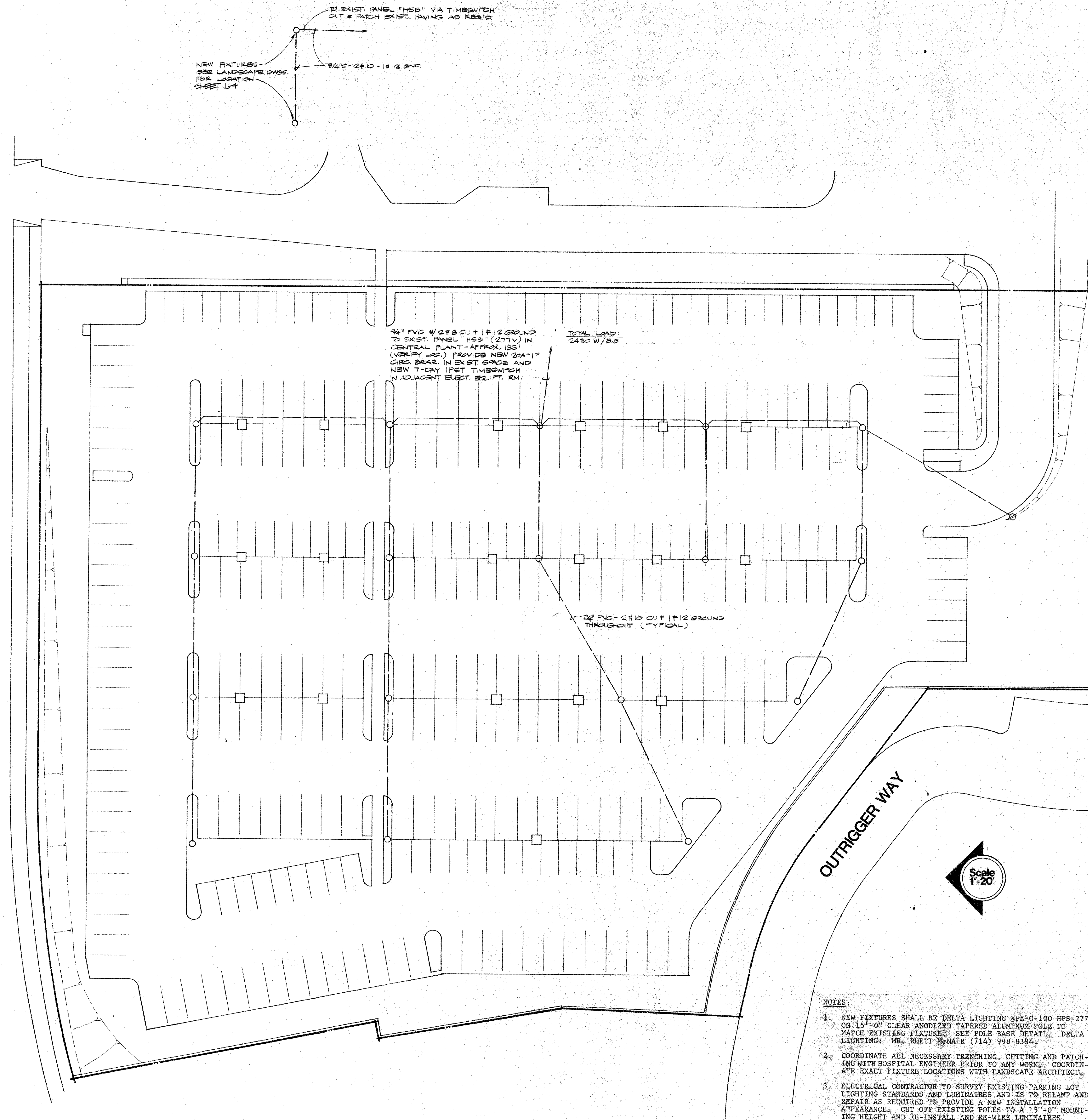
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Landscape Architecture • Planning
132 So. Glassell St. • Orange, CA 92666 • (714) 539-2252

ROMNEYA DRIVE



- NOTES:
1. NEW FIXTURES SHALL BE DELTA LIGHTING #PA-C-100 WPS-277 ON 15'-0" CLEAR ANODIZED TAPERED ALUMINUM POLE TO MATCH EXISTING FIXTURE. SEE POLE BASE DETAIL. DELTA LIGHTING: MR. RHETT MENAIR (714) 998-8384.
 2. COORDINATE ALL NECESSARY TRENCHING, CUTTING AND PATCHING WITH HOSPITAL ENGINEER PRIOR TO ANY WORK. COORDINATE EXACT FIXTURE LOCATIONS WITH LANDSCAPE ARCHITECT.
 3. ELECTRICAL CONTRACTOR TO SURVEY EXISTING PARKING LOT LIGHTING STANDARDS AND LUMINAIRES AND IS TO RELAMP AND REPAIR AS REQUIRED TO PROVIDE A NEW INSTALLATION APPEARANCE. CUT OFF EXISTING POLES TO A 15'-0" MOUNTING HEIGHT AND RE-INSTALL AND RE-WIRE LUMINAIRES, MAINTAINING EXISTING CIRCUITING. THE ABOVE WORK SHALL BE INCLUDED UNDER THIS CONTRACT AND BE PERFORMED TO THE SATISFACTION OF THE HOSPITAL ENGINEER.

LIGHTING PLAN

SPECIFICATIONS

SECTION 16000
ELECTRICAL

PART 1: GENERAL

1.1 SCOPE:
Furnish and install all Electrical as shown on the drawings and as specified in this section including but not limited to the following:
1.1.1 Site investigations prior to bidding to establish existing conditions.
1.1.2 277 volt branch circuit wiring system including wiring devices, wiring, conduit, pull boxes and equipment connections.
1.1.3 Lighting system including light fixtures, lamps, ballasts, required mounting hardware and time switches.
1.1.4 Adjustment and test of the Electrical work.

1.2 QUALITY ASSURANCE:
All products and equipment herein specified or indicated on the drawings shall be new with UL approval and in compliance with the National Electrical Code and local codes.

1.3 SITE VISITATION:
Prior to the submission of the bid, the Contractor shall visit the site and make a thorough examination of the existing conditions and thereby include all allowances for this work in this bid.

1.4 PERMITS AND LICENSES:
Contractor shall pay for and obtain all necessary permits, inspections, insurance and licenses required for the Electrical work.

1.5 COORDINATION:
Contractor to coordinate the Electrical work with other trades, i.e. review drawings and specifications of all equipment requiring electrical connections prior to installation of the Electrical system.

1.6 SUBMITTALS:
Product data sheets for light fixtures, time switch, wiring devices and material list. Make all submittals at one time in booklet form.

PART 2: PRODUCTS

2.1 CONDUIT:
Conduit shall be rigid steel galvanized for underground, exposed up to +5'-0" or in damp locations. Galvanized EMT shall be used in dry concealed locations and exposed above +5'-0". EMT connectors shall be watertight compression type. PVC schedule 40 may be used underground for exterior lighting with rigid galvanized conduit ends and ground wire. PVC underground to have 24 inch cover.

2.2 CONDUCTORS:
Conductors shall be 600 volt insulation, type TW copper.

2.3 SPLICES:
Splices on conductors #8 or smaller shall be with Scotchlock spring connectors.

2.4 TIME SWITCHES:
Time switches shall be in NEMA 1 enclosure with astro dial, mechanical carry-over, omitting device and adjustable by Tork, Paragon or Sangamo.

2.5 LIGHTING FIXTURES:
Furnish and install complete with lamps, ballasts and required mounting hardware. Prior to ordering fixtures, verify and finish.

2.6 LAMPS:
Lamps shall be G.E., Sylvania or Westinghouse of sizes as noted.

2.7 BALLASTS:
Premium type CBM certified and ETL approved, high power factor and of voltage required.

PART 3: EXECUTION

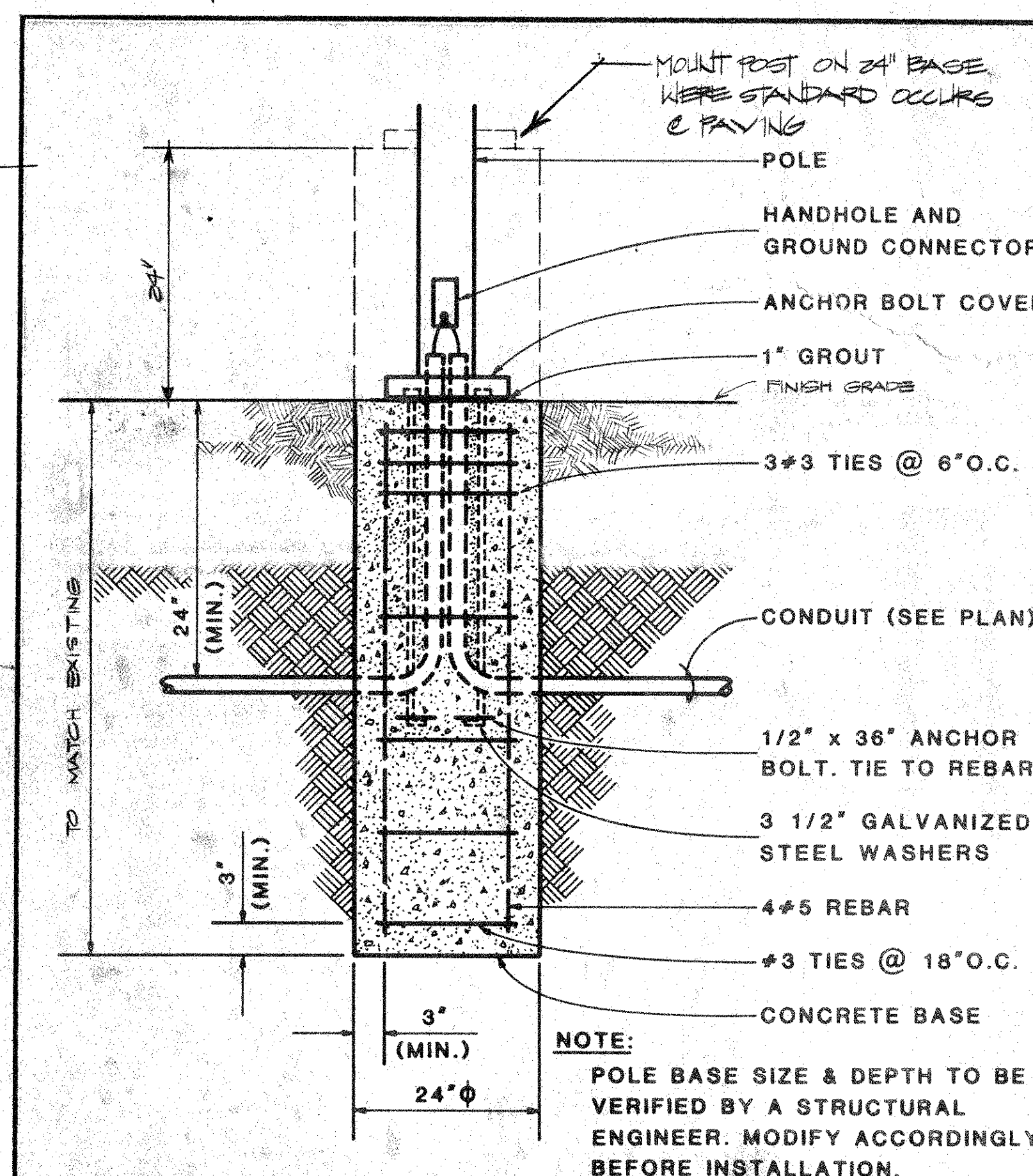
3.1 CONDUIT AND WIRING:
Conduit runs are shown diagrammatically, exact routing and location of the equipment to be determined in the field.

3.2 EXTERIOR EQUIPMENT:
All equipment and wiring outside to be weatherproof.

3.3 GROUNDING:
All metallic conduits, supports and enclosures shall be grounded in compliance with the National Electrical Code.

3.4 TESTING:
All new circuits shall be tested for short and open circuit to ground with a megger and resistance to ground shall be in compliance with the requirements of the National Electrical Code.

3.5 GUARANTEE:
All Electrical work and equipment shall be guaranteed for one year from the date of acceptance except lamps on Contractor's letterhead and turned over to the Owner at the completion and final acceptance of the job.



POLE BASE DETAIL

NOT TO SCALE

PARKING FACILITY
MARTIN LUTHER HOSPITAL
ANAHEIM, CA.

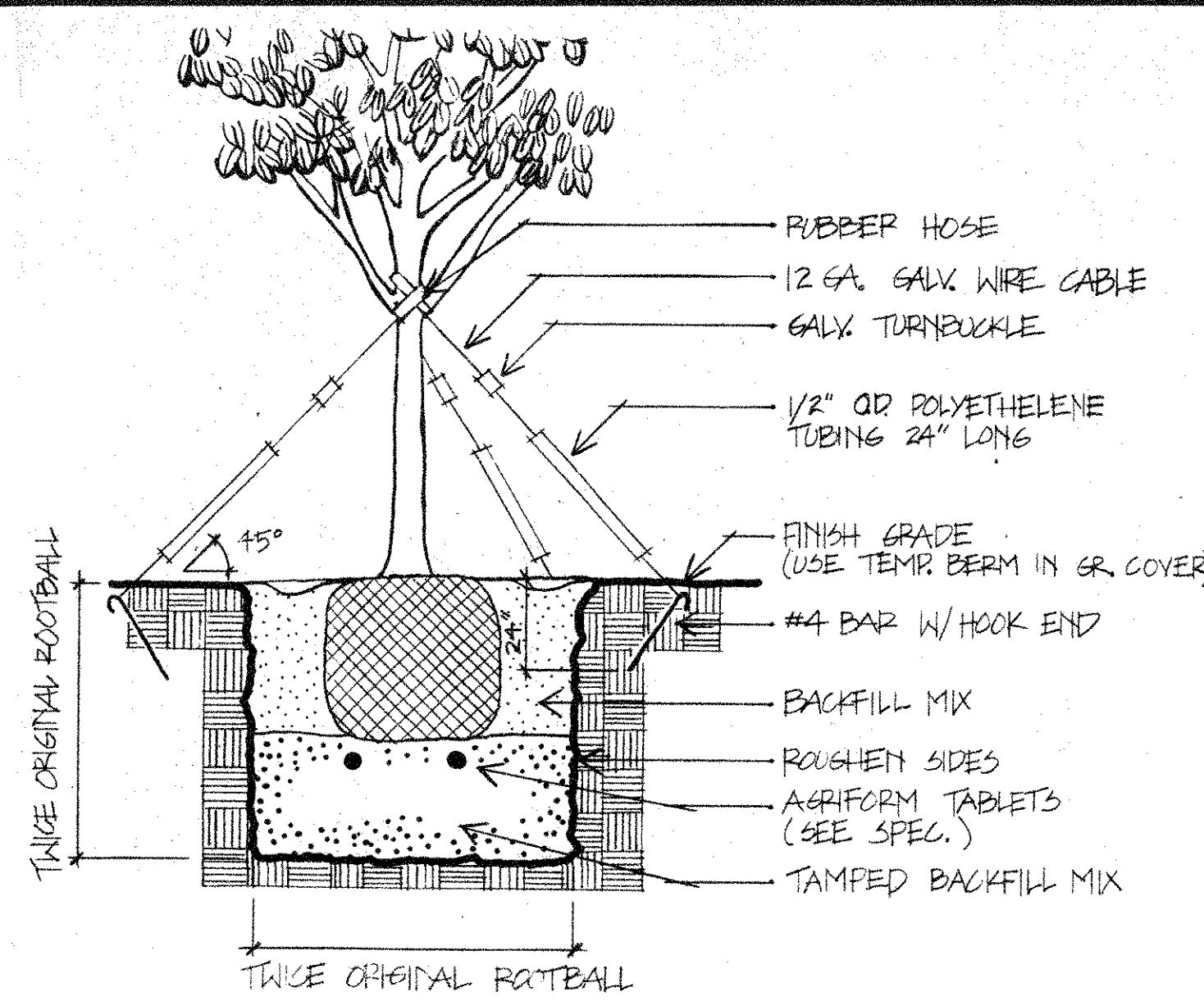
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Landscape Architecture • Planning
132 So. Glassell St. • Orange, CA 92666 • (714) 639-2252

K. K. & P. Associates, Inc.
2700 East Coast Highway
Corona del Mar, California 92626
Telephone (714) 644-6660

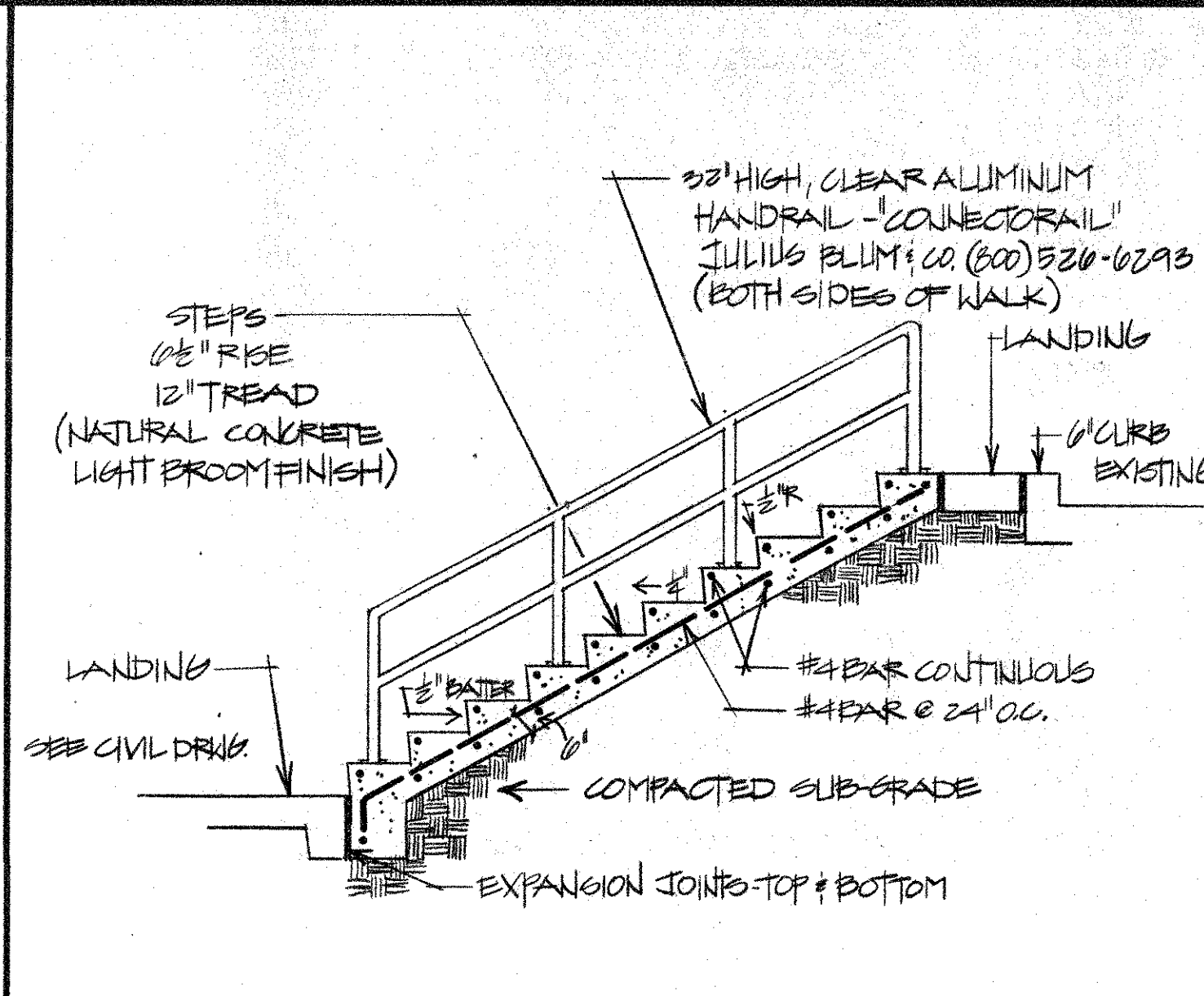
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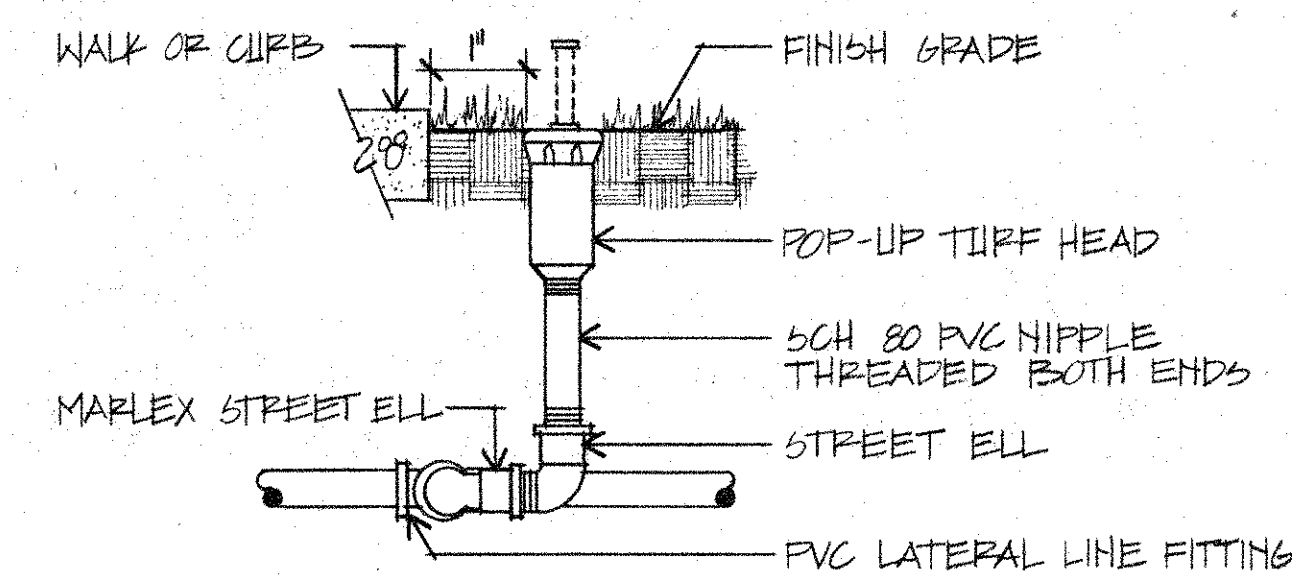
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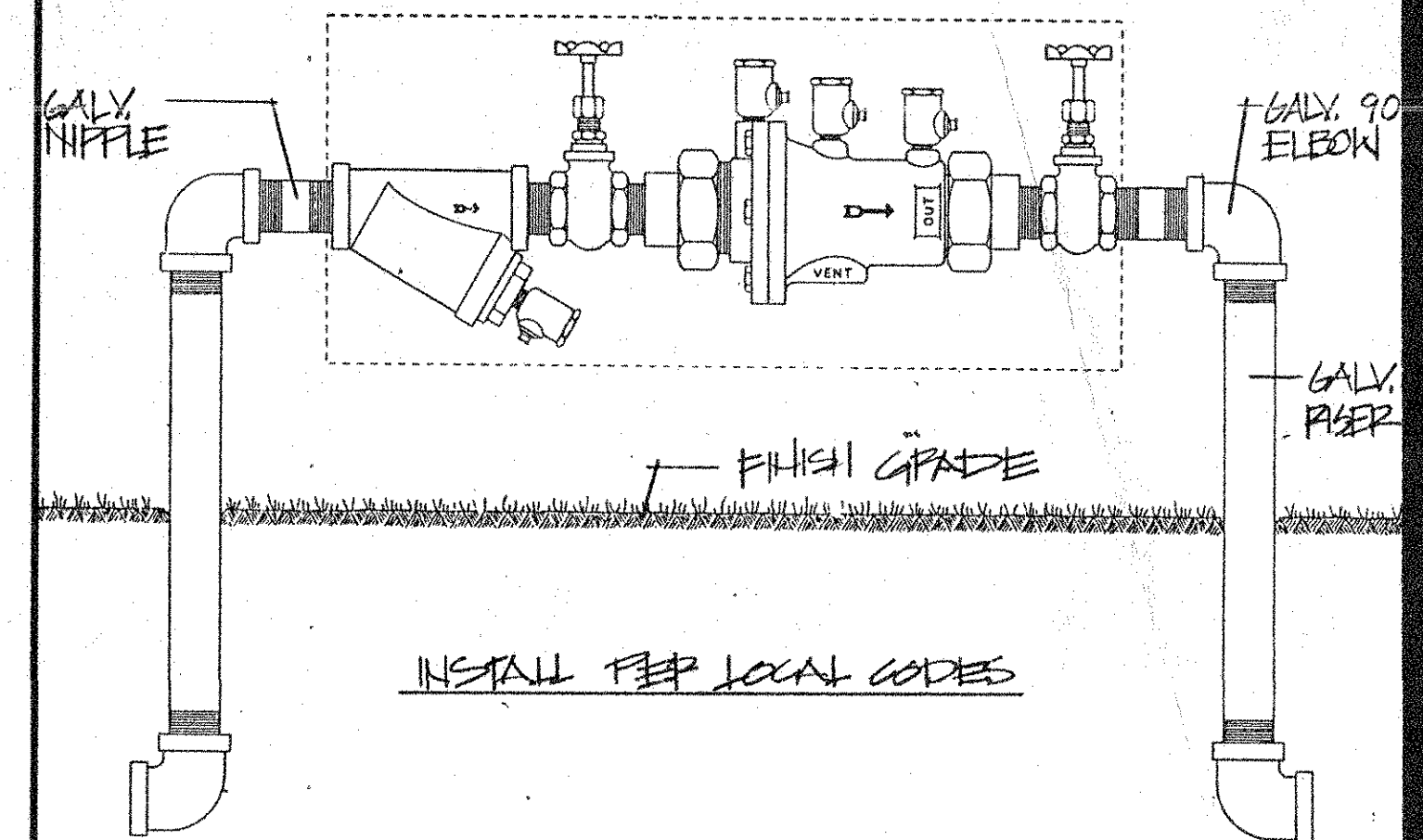
TREE GUYING - BOX TREE



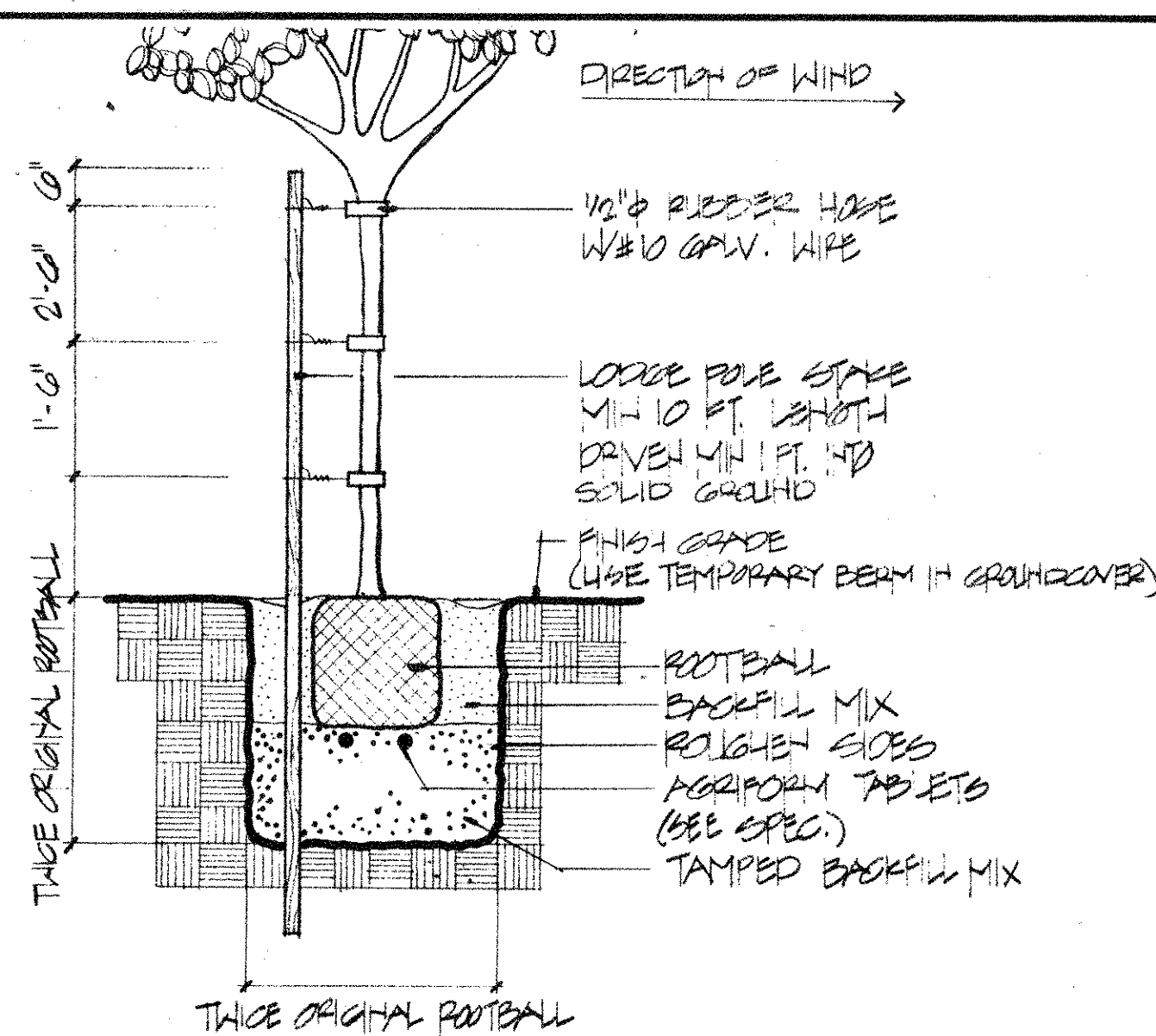
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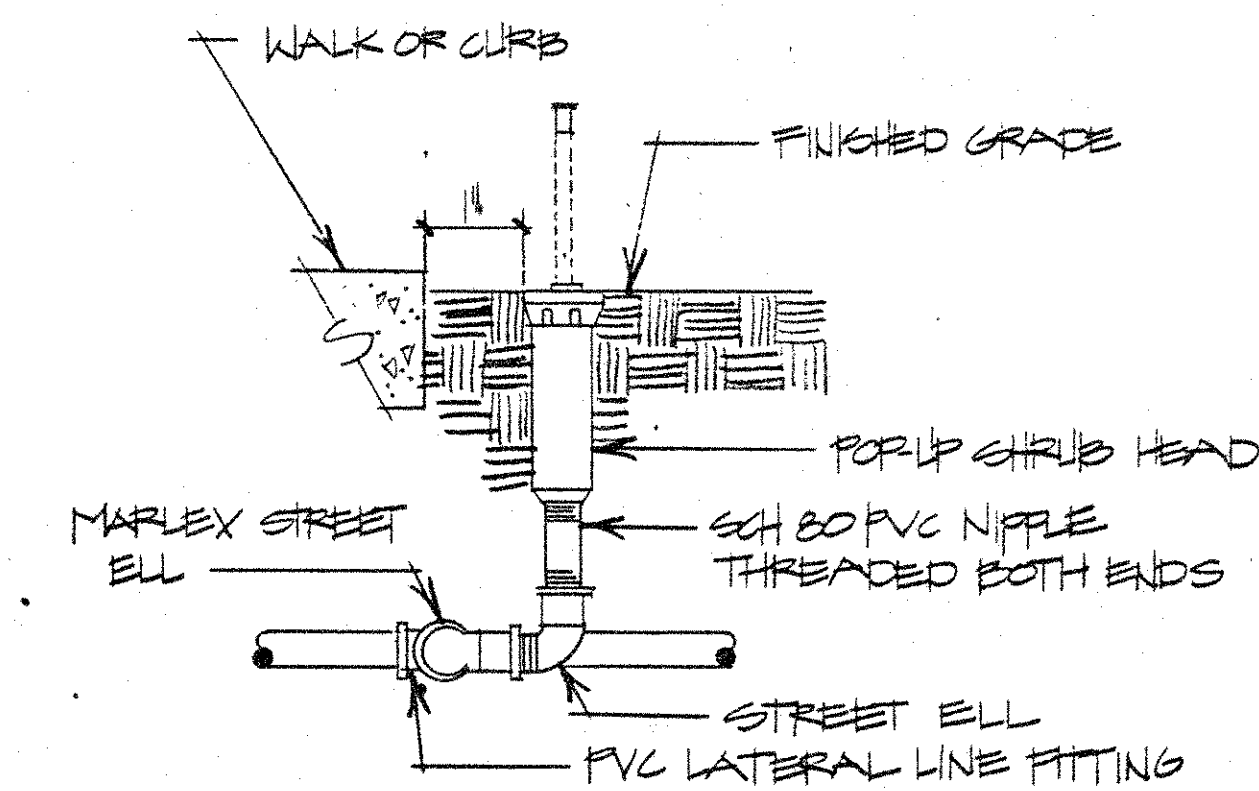
TURF POP-UP HEAD



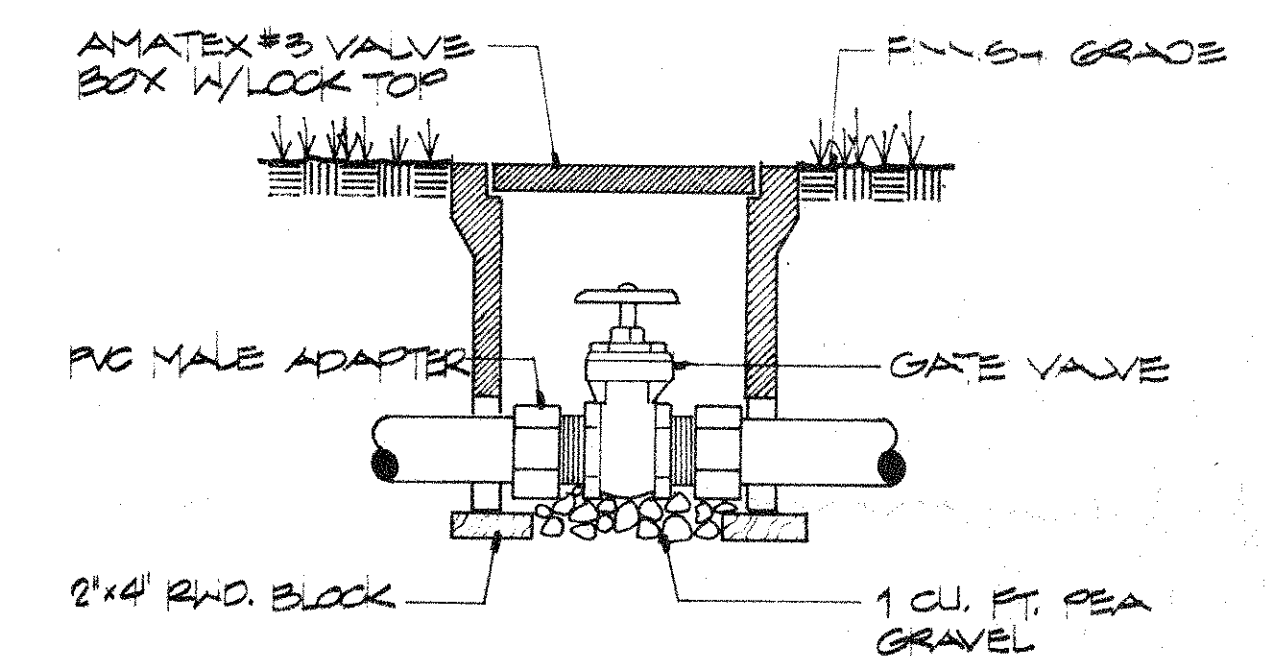
REDUCED PRESSURE BACKFLOW



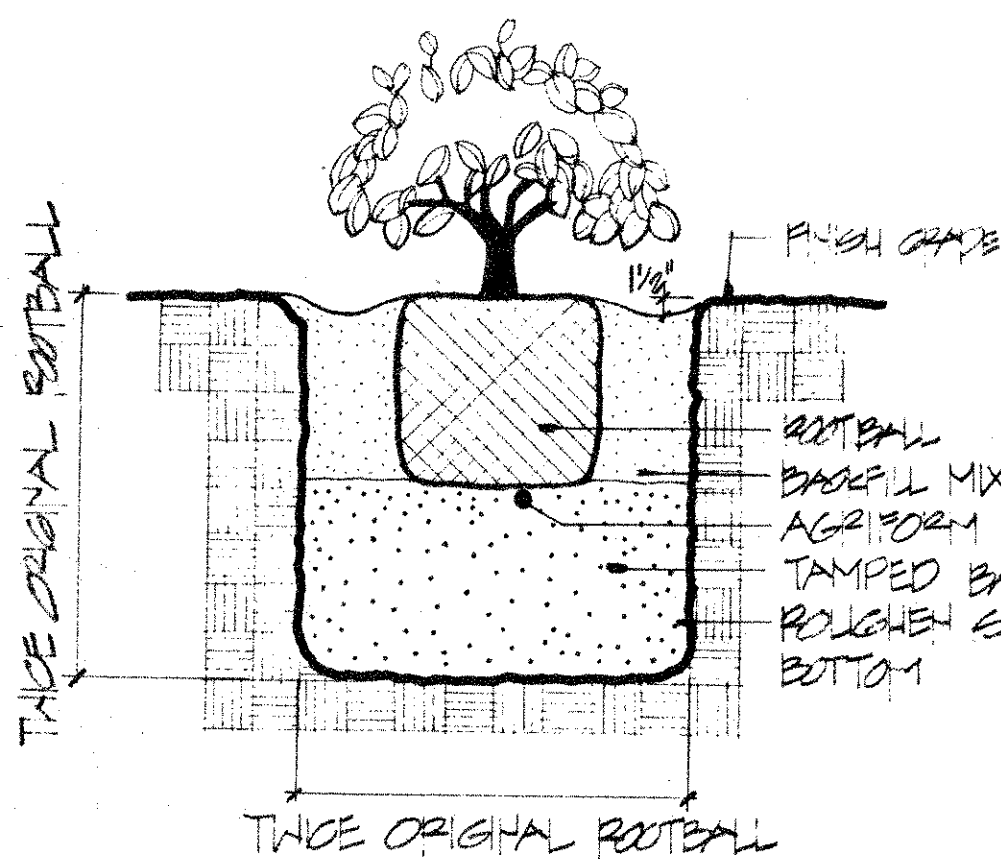
TREE STAKING 5 & 15 GAL.



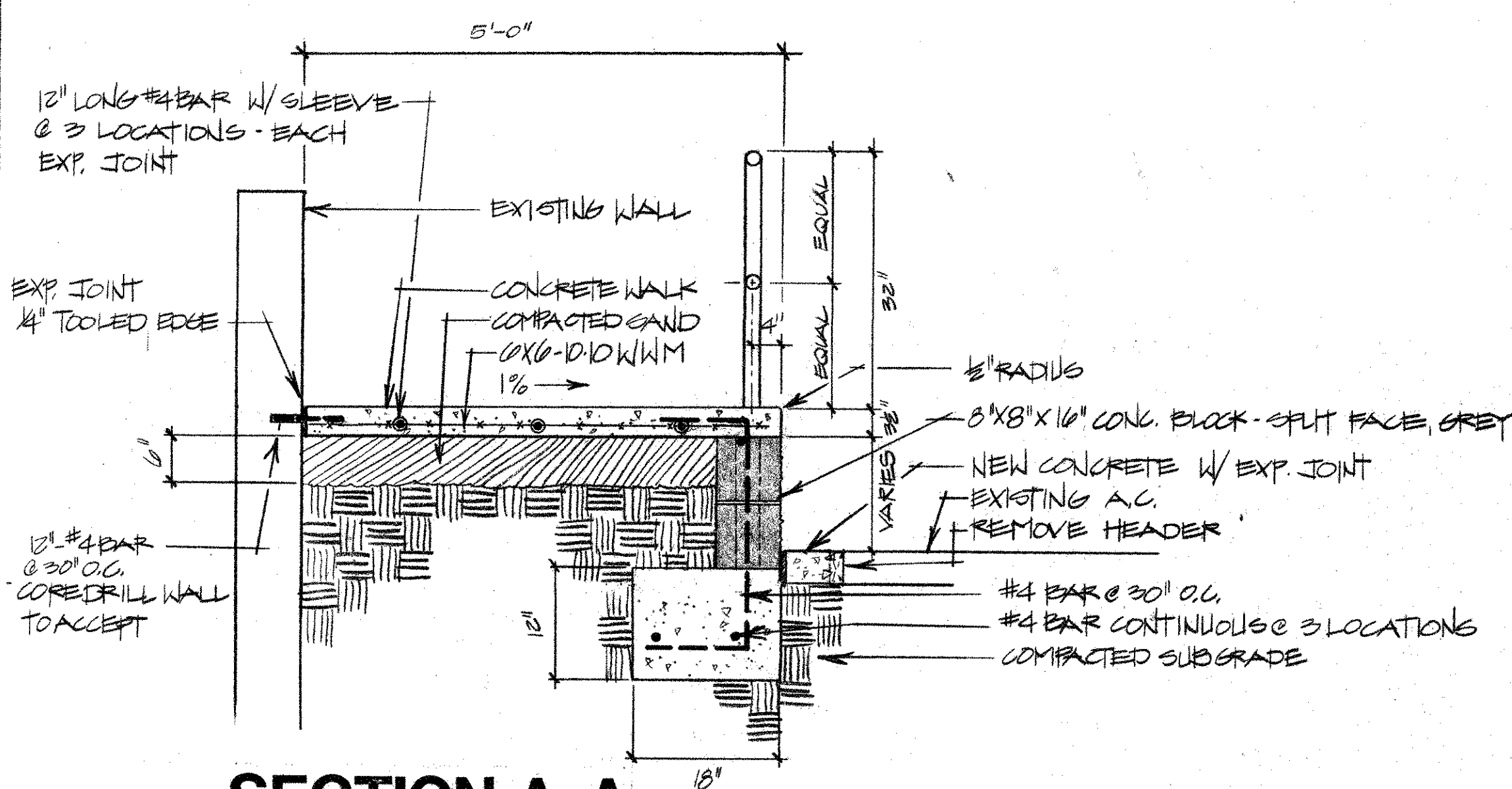
SHRUB POP-UP HEAD



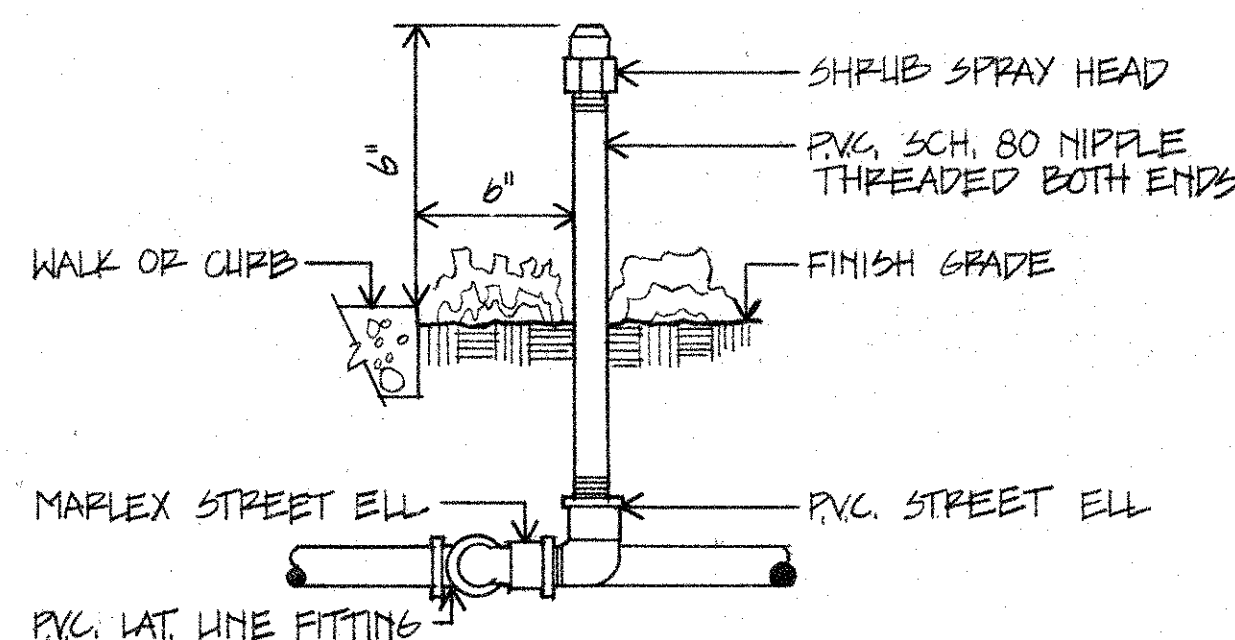
GATE VALVE



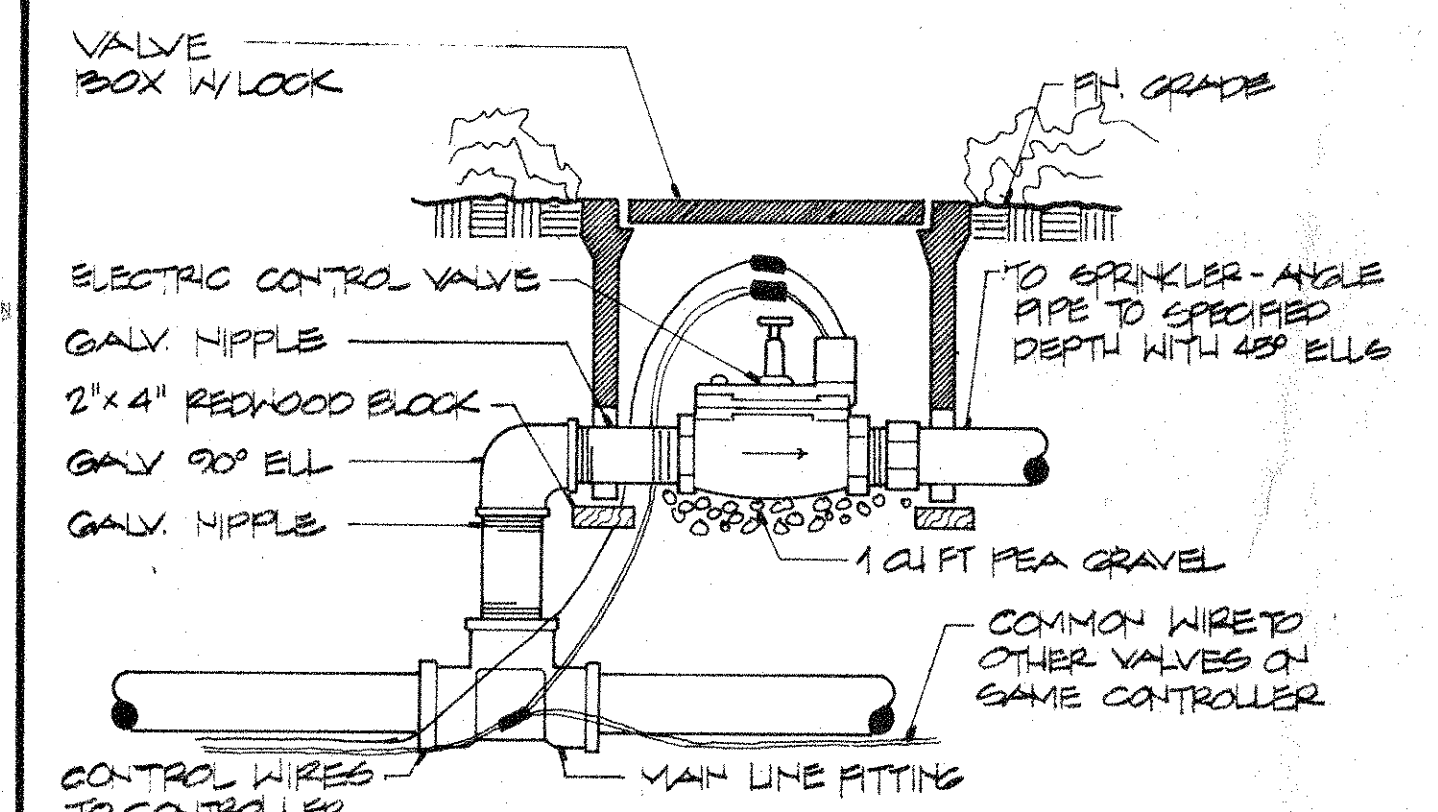
SHRUB PLANTING



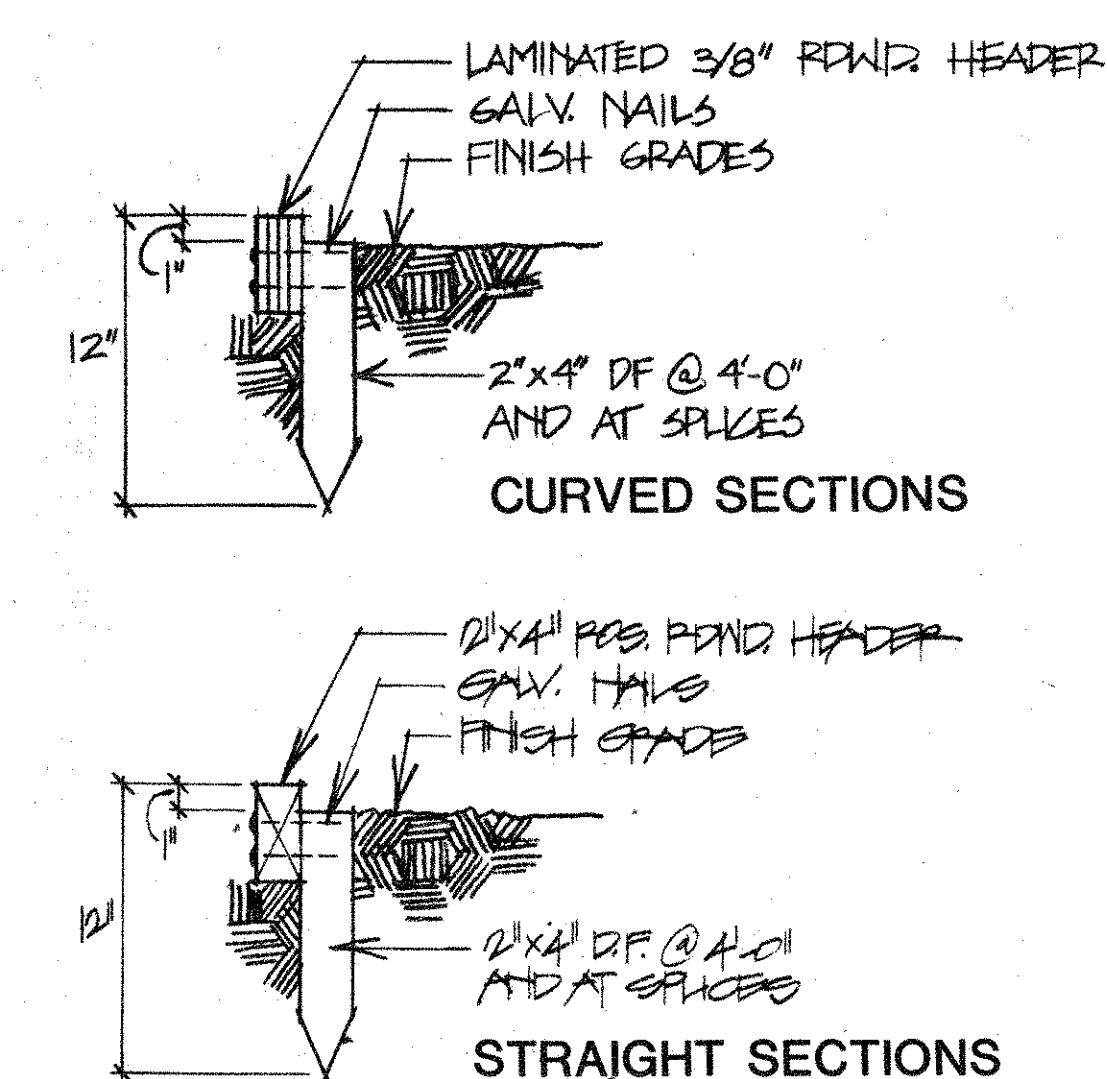
SECTION A-A



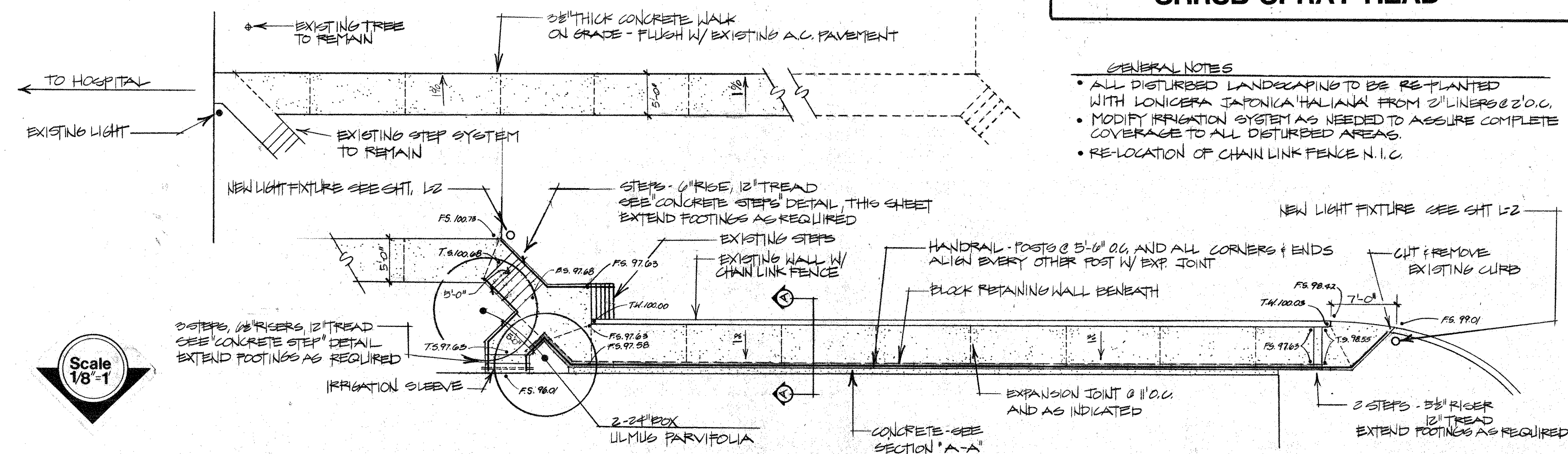
SHRUB SPRAY HEAD



ELECTRIC CONTROL VALVE

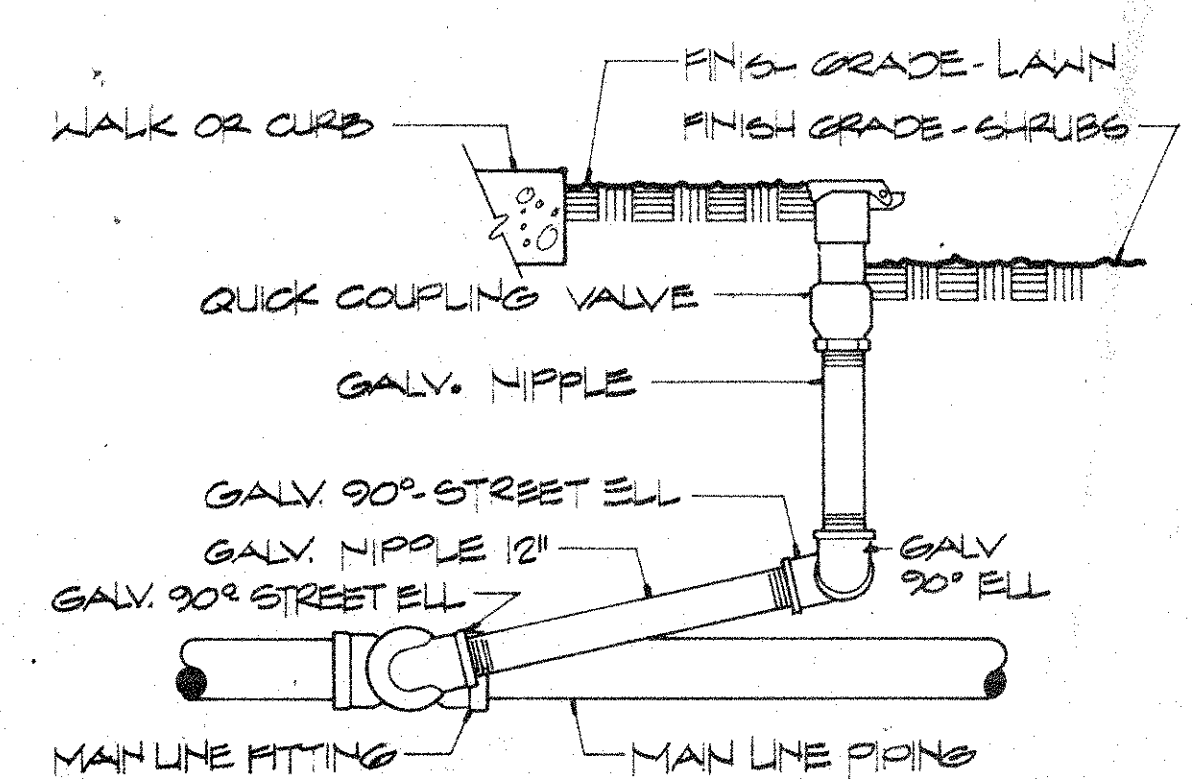


TYPICAL HEADERBOARD



WALKWAY SYSTEM

- GENERAL NOTES**
- ALL DISTURBED LANDSCAPING TO BE REPLANTED WITH LONICERA JAPONICA 'HALIAXIA' FROM 2\"/>



QUICK COUPLING VALVE

GENERAL CONDITIONS

- Contract Documents:** Shall consist of specifications and its general conditions and the drawings. The intent of these documents is to include all labor, materials, and services necessary for the proper execution of the work. The documents are to be considered as one, and whatever is called for by any part shall be as binding as if called for by all parts.
- Verification:** The Contractor shall verify measurements on the drawings before beginning work. In case of error or discrepancy in the drawings or specifications or in work of others affecting his work, he shall notify the Owner's representative immediately. The Contractor shall be held responsible for any damage or loss due to his failure to observe these instructions.
- Material, Machinery, Employees:** Except as otherwise noted, the Contractor shall provide and pay for all materials, labor, tools, and other items necessary and incidental to completion of his work.

- Surveys, Permits, Regulations:** The Owner shall furnish an adequate survey of the property. The Contractor shall obtain and pay for all permits and comply with all laws and ordinances bearing on the operation or conduct of the work as drawn and specified. If the Contractor observes that a variance exists, therewith he shall promptly notify the Owner's representative in writing, and any necessary changes shall be adjusted as provided in the contract for changes in the work.

- Protection of Work, Property and Person:** The Contractor shall adequately protect the work, adjacent property, and the public, and shall be responsible for any damage or injury due to his act.
- Changes in the Work:** The Owner may order changes in the work. The contract sum shall be adjusted accordingly. All such orders and adjustments, plus claims by the Contractor for extras must be made in writing before executing the work involved.
- Correction of Work:** The Contractor shall re-execute any work that fails to conform to the requirements of the contract and shall remedy defects due to faulty materials or workmanship upon written notice from the project manager for a period of ninety days (90) from date of completion of the contract. The irrigation system shall carry a one year guarantee. The above paragraph applies to the work of subcontractors as well as employees of the Contractor.

- Landscape Co-Ordinators Status:** The landscape coordinator acts as the authorized representative of the Owner, in conjunction with the project manager, and has the authority to accept or reject materials or workmanship and to make minor changes in work not involving extra cost. He will also interpret the meaning of the contract documents and may stop the work if necessary to insure its proper execution.

- Clarification of Drawings Before Bidding:** After reviewing the drawings, through which it is the Contractor's responsibility to clarify with the Landscape Architect or Owner's Representative any questions the Contractor may have regarding the method of construction, quantities, or quality of materials indicated or called out, if the Contractor cannot contact the Landscape Architect or Owner's Representative, the Contractor must qualify his bid or accept the interpretation of the Landscape Architect or the Owner's Representative on the questionable areas as they develop during construction.

- Samples:** The Landscape Architect reserves the right to take and analyze samples of materials for conformity to specifications at any time. The Contractor shall furnish samples upon request by the Landscape Architect. Rejected material shall be immediately removed from the site and replaced at Contractor's expense. The cost of testing materials not meeting specifications shall be paid by the Contractor.

- Pre-Construction Conference:** Schedule a pre-construction meeting with the Landscape Architect at least 7 days before beginning work. The purpose of this conference is to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.

IRRIGATION SPECIFICATIONS

I. Scope of Work:

The Contractor shall provide all labor, tools, machinery, and processes necessary to install a complete irrigation system as shown on the plans and/or specified herein. When completed the irrigation system shall be a 100% coverage system in full functioning manner.

II. General Requirements:

- Verification of Dimension:** All scaled dimensions are approximate. Before proceeding with any work, the Contractor shall carefully check and verify all dimensions. Spacing of sprinkler heads, location of valves and vacuum breakers, and proposed P.O.C. shall be as indicated on the drawings. Any deviation from the plans must have the approval of the Owner's Representative or the Landscape Architect.
- Verification of Finish Grade:** The Contractor shall inspect the site and check all finish grades within the work area in order to insure the proper soil coverage (as specified) of sprinkler system pipes.

- Water Supply:** The Contractor shall verify and be familiar with the source of water supply to the sprinkler system as indicated on the drawings.

- Permits and Fees:** The Contractor shall apply and pay for all necessary permits and fees required in the pursuit of his work as required by the governing codes.

- Care of Existing Buildings and Site:** The Contractor shall be held responsible for the care and preservation of all existing buildings and structures on the property and adjacent premises and contiguous property. Any part of them injured, damaged or disturbed because of his work shall be repaired, replaced, or cleaned by him at his expense.

- Review of Drawings:** It is the Contractor's responsibility to review irrigation drawings and note any areas he believes additional heads or valves are required prior to submitting a bid. If no changes are submitted, the Contractor is responsible for full coverage of the sprinkler system and providing additional equipment as necessary at the Contractor's expense.

- Governing Regulation:** All local, municipal and state laws, rules and regulations governing or relating to any portion of this work are hereby incorporated into and made a part of these specifications, and their provisions shall be carried out by the sprinkler contractor.

- Diagrammatic Design:** This design is diagrammatic. All pipe, valves, etc., shown within paved areas are for design clarification only and shall be installed in planting areas where possible. Never install backup preventers in lawn areas, always in shrub areas.

- Installation:** All irrigation materials shall be installed in accordance with the techniques and specifications set forth by each respective manufacturer. All pertinent descriptive literature issued by these manufacturers becomes part of these specifications after having been approved by the Owner's authorized representative. Such installation practices shall be followed only if the directions of the irrigation drawings and specifications do not thoroughly and completely order the methods or techniques to be followed. Install all equipment and materials as shown in details.

- Site Problems:** The irrigation contractor shall not willfully install the sprinkler system as indicated on drawings when it is obvious in the field that there are unknown obstructions, grade differences, and/or discrepancies in the area dimensions until such conditions are brought to the attention of the Landscape Architect.

III. Materials:

Sprinkler materials and equipment shall be of type, size, location as noted and indicated on the drawings. Unless permission to change is granted from the Landscape Architect or Owner's Representative, materials are to be new and in perfect condition. No deviations from the specifications shall be allowed. The Contractor shall be notified PRIOR TO BID OPENING.

IV. Installation

A. Excavation:

- The Contractor shall verify exact locations of all existing subsurface utilities (mechanical and electrical) prior to excavation. Any utilities, A.C. piping, concrete work, etc., destroyed or damaged by any work under this contract shall be repaired or replaced at the Contractor's expense.
- Trenches for pipe shall be cut to required grade line at a true gradient to provide uniform support for the full length of pipe.
- Depth of trenches shall be sufficient to provide a minimum cover above the top of the pipe as noted on the drawings.

B. Joining Pipe:

- The Contractor is responsible to be familiar with the methods of assembling, joining, and installing the various type of pipe to be used. He will adhere in strict accordance with the manufacturer's recommended procedures.
- No PVC pipe shall be threaded and all transition from PVC to metal piping shall be by PVC male, thread adapter fitting.

- Backflow Preventer:** The backflow prevention device specified herein shall be verified with Local Plumbing and Health Codes. In the event of any conflict on the device or installation methods the Landscape Architect shall be notified PRIOR TO BID OPENING.

D. Tests:

- All main lines and lateral lines which have glued joints under paving in the system shall be capped and pressurized tested at 125 psi.
- Pressure shall be sustained in the lines for not less than two hours. If leaks develop the joints shall be replaced and the test repeated until the entire system is watertight.

- Tests shall be observed and approved by Owner's representative prior to backfill.
- When the sprinkler system is completed, (and before planting is begun) the Contractor, in the presence of the Owner's representative, shall test the coverage of water afforded the lawn and planting areas as complete and adequate. The Contractor shall furnish all materials and perform all work required to correct any inadequacies of coverage disclosed.
- The Contractor shall inform the Owner's representative of any deviation from the plan required by wind, planting, soil or site conditions that bear on present coverage.

E. Sprinkler Head Installation:

- Shrubbery or groundcover spray heads adjacent to curbs or walks shall be installed 6" away from the curb or walk and the nozzle shall be 6" above finished grade.
- Shrubbery spray heads adjacent to buildings, fences, or similar structures shall be installed 6" away from the structure and the nozzle shall be 6" above finished grade. Shrubbery spray heads not near paving or structures shall be set 6" above finish grade.
- All sprinkler heads are to have swing joints as detailed.
- Install all sprinkler heads per details.

F. Sprinkler Head Adjustments:

- The irrigation contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent overspray onto walks and buildings as much as possible. This shall include selecting the best degree of arc to fit existing site situations.

G. Closing In Uninspected Work:

The Contractor shall not allow or cause any of his work to be covered or enclosed until it has been inspected, tested and approved by an authorized representative of the Owner. Should any of his work be enclosed or covered before such inspection and test, he shall uncover the work at his own expense and after it has been inspected, tested, and approved, shall make all repairs with like materials necessary to restore all his work and that of other Contractors to its original condition.

H. Backfilling:

- Backfill shall not be placed until the installed sprinkler system has been inspected and approved by the Owner's representative.
- Trenches shall be backfilled with a minimum of 4" of fine, granular materials to protect the pipe from the clods or rocks, the remaining excavated dirt can be used as backfill. The Contractor shall not place detrimental material in the top 6" of the backfill.
- If settlement occurs and adjustments in pipes, valves, sprinkler heads or sod are necessary to bring the system to proper working order, the Contractor shall, as a part of the work under this contract make all the necessary adjustments without extra cost to the Owner.

I. Automatic Controller and Valves:

- A 120 volt electrical power outlet to the controller shall be provided by others. The irrigation Contractor shall be responsible for making the hook-up from the outlet to the controller.
- All wire from the controller to electric control valves shall be solid copper U.F. #14-600 volt direct burial. Use white wire for common, blue for lawn systems, black for shrub systems and red for irrometer common control wire. Install in common trench with main line pipe where possible. Provide minimum 18" cover.
- Wire connections shall be made with "Scotch-Lok" wire connector sealing packs #3576 or Spears "Drin-spice" with sealant DS 300.
- There shall be a control wire from each control valve running to the controller, and each control valve shall be connected to the common ground.
- All electrical work shall comply with applicable codes.
- Install all valves per details.

J. Irrrometer Installation (If applicable):

- All installations and wiring is to be done by the Contractor in compliance with Installation and Operating Instructions enclosed with the tensiometers and included with these special instructions.
- The Contractor shall furnish 2-AWG U.F. #14 (or larger) wires from the controller to the IRRMETER control stations, locations shown on plans. Provide additional 10' vapor barrier lead to each station for finally locating sensors. All sensors are to be wired in parallel. (See wire color noted above.)
- Ametek 6" extension boxes No. 10-1770-003 covered by Ametek green cover No. ICV-10-173-004, or approved equal, shall be installed as detailed. They may be obtained ready for installation from the IRRMETER Company, P.O. Box 2424, Riverside, California, telephone (714) 689-1701, or cut outs can be made by the Contractor according to IRRMETER Company specifications.

- All wiring connections at instrument locations are to be waterproof.
- One service unit will be purchased to properly prepare and service the tensiometers. This service unit along with all printed operating instructions are to be furnished to the Owner by the Contractor at final inspection.
- IRRMETER Operating and Service Instructions and Operations Manual is to be placed in the controller.
- Special depth and placement information, to augment IRRMETER Installation and Operating Instructions, is to be provided by Tom Lockwood (714) 689-1701 or (714) 787-9892.
- Installation must be inspected and accepted by Mr. Tom Lockwood.

V. DRAWINGS OF RECORD (AS BUILTS):

A. General:

The Contractor shall provide and keep up to date, in accordance with Section "Projects Records," a complete set of record "as built" black line ozalid prints which shall be corrected daily and show every change from the original drawings and specifications and the exact "as built" locations, sizes and kinds of equipment. Prints for this purpose may be obtained from the Owner. This set of drawings shall be kept on the site and shall be used only as a record set. These drawings shall also serve as work progress sheets and the Contractor shall make neat and legible notations thereon daily, as the work proceeds, showing the work as actually installed. These drawings shall be available at all times for inspection and shall be kept in a location designated by the Landscape Architect.

B. Required Notations:

- The Contractor shall dimension from two (2) permanent points of reference, building corners, sidewalk or road intersections, etc., the location of the following items:
 - Gate Valves
 - The routing of the sprinkler main lines.
 - Connections to the existing waterlines.
 - The routing of the control wiring.
- Sprinkler control valves.
- Quick coupling valves.

C. Delivery of Drawings of Record:

On or before the date of final inspection, the Contractor shall deliver the corrected and complete blacklines to the Landscape Architect. Delivery of blacklines will not relieve the Contractor of the responsibility of furnishing required information that may be omitted from the prints.

VI. CLEAN-UP:

A. Scope and Frequency:

After all installation operations have been completed, remove all trash, excess soil, and rubbish from the property. All scars, ruts or other marks in the area caused by this work shall be repaired and the ground left in a neat and orderly condition throughout the site. The Contractor shall pick up all trash resulting from this work no less than each Friday before leaving the site, once a week, and/or the last working day each week. All trash shall be removed completely from the site.

B. GUARANTEE:

A. Scope:

The entire sprinkler system shall be guaranteed by the Contractor as to material and workmanship, including setting of backfilled areas below grade for a period of one (1) year following the date of final acceptance of the work. If, within one year from the date of completion, setting, orders, and adjustments in pipes, valves, and sprinkler heads, or paving is necessary to bring the system, sod or paving to the proper level of the permanent grade, the Contractor, as part of the work under this contract, shall make all adjustments without extra cost to the Owner, including the complete restoration of all damaged planting, paving or other improvements of any kind.

B. Responsibility: Should any operational difficulties in connection with the sprinkler system develop within the specified guarantee period which is in the opinion of the Landscape Architect due to inferior material and/or workmanship, said difficulties shall be immediately corrected by the Contractor to the satisfaction of the Landscape Architect at no additional cost to the Owner, including any and all other damage caused by such defects.

C. Instruction:

After the system has been completed and the connections made the Contractor shall instruct the Owner or his representative, in the operation and maintenance of the system.

- Temporary Repairs:** The Owner reserves the right to make temporary repairs as necessary to keep the sprinkler system equipment in operating condition. The exercise of this right by the Owner shall not relieve the Contractor of his responsibilities under the terms of the guarantee as herein specified.

PLANTING SPECIFICATIONS

I. Scope of Work:

- Furnish all labor, materials, and equipment necessary to provide and install plant materials as shown on the drawings or as specified herein.
- Work included in this Section—items included but not limited to:
 - Grade, including mounding, molding and shaping surfaces of all planting areas as indicated including the removal of existing vegetation unless otherwise specified.
 - Prepare and fill soil in planting areas including furnish of all soil amendments as specified.
 - Furnish and plant all plant materials as indicated by the drawings and specifications.
 - Perform all pruning as required.
 - Stake and tie all plant material as specified.
 - Provide for the maintenance of the planting until acceptance of the job by the Landscape Architect.
 - Dispose of all debris and surplus materials.
 - Crop top.
 - Guarantee.
 - Maintenance.

II. Verification of Site Conditions:

- Excavation:** The Contractor shall verify exact locations of all existing subsurface utilities (mechanical and electrical) prior to excavation. Any utilities, A.C. piping, concrete work, etc., destroyed or damaged by any work under this contract shall be repaired or replaced at the Contractor's expense.
- Sub-surface Drainage or Soil Conditions:** Should sub-surface drainage or soil conditions be encountered which would be detrimental to growth or survival of plant material, the Contractor shall notify the Landscape Architect in writing, stating the conditions and submitting a proposal covering cost of correction. If the Contractor fails to notify the Landscape Architect of such conditions, he shall be responsible for plant material under the guarantee clause of the specification.
- Dimensions:** All scaled dimensions are approximate. Before proceeding with any work, the Contractor shall carefully check and verify all dimensions and quantities, and shall immediately inform the Landscape Architect of any discrepancy between the information on the drawings and actual conditions, refraining from doing any work in said areas until given approval to do so by the Landscape Architect.

III. Materials:

A. Soil Amendments:

- Nitrogen stabilized mushroom sawdust shall be 100% nitrogen stabilized 6% by dry weight and of fine shredding particles larger than 1", passing through 10 mesh screen.
- Soil sulfur shall be a standard commercial grade.
- Humus - "Gro-Power" 5-3-1 shall be manufactured by Southern California Organic Fertilizer Company, Glendale, CA (213) 245-6849, (714) 750-3830.
- Bone meal 2-22-0 shall be manufactured by Kellogg Supply, Wilmington, CA.
- Azalea organic planter mix #103 shall be manufactured by Bandini Fertilizer.
- Ph Acidall shall be manufactured by Kellogg Supply, Wilmington, CA.
- Par 5 shall be manufactured by Kaibab Forest Products.
- Commercial fertilizer shall be manufactured by Best Products or equal.

B. Top Soil:

- Topsoil shall consist of a fertile, friable natural loam, of uniform quality, free from subsoil, hard clods, stiff clay, hard pan, sods, partially disintegrated debris, or any other undesirable material.
- Topsoil shall not contain obnoxious weeds, such as morning glory, sow, oxalis, spurge, annual poa, nut grass or bermuda grass.

C. Plant Materials:

- Plant names used in the Plant List conform to "Standardized Plant Names" by American Joint Committee on Horticultural Nomenclature, except in cases not covered therein. In these instances the established custom of the nursery trade is followed.
- Plants shall be sound, healthy, vigorous, free from disease, insect pests or their eggs and shall have healthy, normal root systems, well filling their containers, but not to the point of being root bound.
- Plants shall not be pruned prior to delivery except as authorized by the Landscape Architect. In no case shall trees be topped before delivery.
- All plant material shall be subject to approval of site health, quality, character, etc., by the Landscape Architect.

- The height and spread of all plant material shall be measured with branches in their normal position.
- The caliper of all trees shall be measured 4" above the surface of the ground.
- Where caliper or other dimensions of any plant materials are omitted from the plant list, it shall be understood that these plant materials shall be normal stock for type listed.
- Plant material shall be symmetrical, typical for variety and species, and shall conform to measurements specified in the plant list.
- Plant material larger than those specified may be supplied if compliant in all other respects, and at an additional cost to the Owner, upon approval of the Landscape Architect.
- All plant materials must have been previously inspected at the nursery by the County Horticultural Department, and shall be subject to acceptance as to quality by the Landscape Architect.

D. Seed Materials:

- Seed shall be clean, fresh, new crop seed and shall be the mixture as noted in the General Notes on the Planting Plan.
- Seed shall be mixed by a dealer and furnished with the dealer's guaranteed statement of composition and percentage of purity which shall be furnished to the Landscape Architect.

E. Stakes:

All stakes shall be as per details.

IV. OBSTRUCTIONS BELOW GROUND:

- Contractor's Responsibility:** The Contractor is responsible for verifying the location of all utility lines and other underground obstructions so that proper precautions may be taken not to disturb or damage such improvements. In the event of a conflict between such lines and plant locations, the Contractor shall promptly notify the Landscape Architect, who shall arrange for the relocation of one or more. Failing to follow this procedure, the Contractor shall at his own expense make any and all repairs for damages resulting from his work.

V. FINISH GRADING:

A. Tilling:

Till all planting areas as herein specified.

B. Uniform Grade:

After tilling, all areas shall be brought to uniform grade by floating or hand raking.

C. Grade Relationships:

Finish grade of planting areas after application of soil amendments shall be 1" below top of concrete walks and curb grades and 6" below finish floor of building or as noted by spot elevations.

D. Slope from Buildings:

Soil areas adjacent to buildings shall slope away from the buildings at 2% minimum for 10 feet, and shall continue to slope at a minimum of 1% until water drains to street or storm system.

E. Rocks or Clods:

No rock or clods over 3/4" in diameter shall be on top of prepared planting bed.

VI. WEED CONTROL:

A. Killing Weeds:

Contractor shall germinate and destroy existing weed seeds before preparing areas for planting. Sufficient water shall be applied to cause weed seed to sprout. Young weeds shall then be destroyed and removed before they have opportunity to set seed.

B. Additional Requirements:

For additional weed killing, refer to Planting Notes on the Planting Plan.

VII. SOIL PREPARATION:

- A. Soil Report:** Before starting soil preparation the Contractor shall submit a soil report to the Owner and Landscape Architect. If no soil report is submitted it will be assumed that amendments were not added and the Landscape Contractor will be requested to give a credit for soil preparation.
- B. Compacted Areas:** Soil areas that are compacted to more than 92% during site preparation shall be broken down to a minimum of 12" deep before beginning preparation. These areas shall be defined by the Landscape Architect and be billed as an extra if the unit price is quoted in the bid.
- C. Method of Mixing:** If the slope is under 2% to 1 the soil preparation materials should be broadcasted evenly over the entire area and worked to a depth of 6" by a rototiller or other acceptable mechanical means to obtain a uniform blend to the soil. If the slope is greater than 2% to 1 the amendments shall be hydraulically applied for areas over 1000 square feet and raked in for small areas. For the soil amendment mix refer to the Planting Notes on the Planting Plan.

D. Extraneous Material:

In addition to the work specified above the Contractor shall remove all extraneous material that is exposed on the surface, and grade to facilitate run-off of surface water.

E. Deliver Slips:

Supply delivery slips from the supplier for the soil amendment to the site (Bulk loads from the Contractors yard will not be accepted). Supply empty bags for fertilizer to the Superintendent of the job.

VIII. SHRUB AND TREE PLANTING:

A. Correlation:

Trees and shrubs shall not be planted until all operations in conjunction with the installation of the sprinkler system have been completed, final grades have been established, and the planting beds properly prepared by cultivation and fertilization as covered in these specifications.

B. Planting Time:

No planting shall take place during extremely hot, dry, windy or freezing weather.

C. Locations:

Relative position of all plants and trees is subject to approval of the Landscape Architect, and they shall, if necessary, be relocated at his direction, as part of this Contract.

D. Distribution:

No more plants shall be distributed about the landscape area than can be planted and watered on the same day.

E. Container Removal:

Plant containers shall be removed when planting in the ground. Cans shall be on both sides. An axe or spade shall not be used. All containers shall be removed from the site.

F. Planting Pits:

All tree and shrub pits shall have a diameter of at least twice the diameter of the root ball. Pit depths shall be minimum 12" deeper than the root ball for trees and 8" deeper than the root ball for shrubs or as per planting details.

G. Placing:

Plants shall be placed and held during backfill in an upright position in the center of the pit. Plants shall be held at, or slightly above shoulder level. The earth ball shall be kept intact. Any exposed roots shall be spread. Injured roots shall be pruned.

H. Backfill:

Plant pit backfilling soil shall consist of 1 part nitrogen stabilized sawdust - 2 parts topsoil. Materials shall be thoroughly mixed before placement. In addition to backfill commercial fertilizer 20-10-5 Agriform 21 gram tablets shall be added to plant pits at the following rates:

- 1 Tablet per 1 gallon plant
- 3 Tablets per 2 gallon plant
- 4 Tablets per 3 gallon plant
- 1 Tablet per 1/2" caliper tree trunk for specimen plants larger than 15 gallon

I. Watering:

When the pit has been backfilled to three-quarters of its depth, water shall be poured about the roots. Air pockets shall be eliminated and backfill continued until the backfill is brought to the grade level.

J. Compacting:

Backfill shall not be compacted around the roots or ball of the plant during or after planting. The backfill on which the plant rests shall be lightly compacted.

K. Settlement:

Plants which settle shall be raised to the required level or replaced at the option of the Contractor. Raised plants which fail to grow shall be replaced.

L. Staking:

Stakes shall be driven to sufficient depth to hold tree rigid. Tree shall be supported by at least two ties. (See details.)

M. Pruning:

Limbs, branches, canes and runners which require trimming shall be removed to leave a clean cut flush with trunk. (Pruning only as directed by the Landscape Architect.)

N. Planting Beds:

Planting beds shall be edged and cultivated to the line shown. Beds shall be brought to a smooth even surface conforming to established grades after full settlement has occurred.

IX. GROUND COVER AREAS:

A. Reference:

Refer to Paragraphs V, VI, VII, for finish grading, weed control, and soil preparation.

B. Soil Preparation:

Prepare the soil as per these specifications and the Planting Notes on the Planting Plan.

C. Grading:

Areas shall be raked and floated smooth to provide a true and uniform surface.

D. Plant Pits and Fertilizer:

Planting pits for groundcover shall be 4" x 4" or adequate to accept material from flats without crushing or deforming the root ball. Place a 20-10-5 Agriform 5 gram fertilizer tablet in each groundcover hole.

E. Spacing:

Plant at spacings and in areas indicated on the drawings. Soil shall be firmly pressed around each plant, and the excess soil removed from the crown.

F. Watering:

Each section of ground cover shall be immediately watered upon completion of planting, and thereafter as required.

G. Spacing from Edge:

The first row of groundcover should always be within 6" of the edge of the planting area.

X. SEASONAL COLOR:

A. Reference:

Refer to Paragraphs V, VI, VII, for finish grading, weed control, and soil preparation.

B. Soil Preparation:

Prepare the soil as per these specifications and the Planting Notes on the Planting Plan.

C. Grading:

Areas shall be raked and floated smooth to provide a true and uniform surface.

D. Quality of Plants:

Plants shall be healthy annual plant material in 4" pots or adequate to accept material from flats without crushing or deforming the root ball.

E. Plant Pits and Fertilizer:

Each plant pit for seasonal color shall be 6" x 6" with one teaspoon of bone meal mix into the backfill mix. (Use shrub backfill mix). Do not use Agriform plant tablets.

F. Spacing:

Plant at spacing and in areas indicated on the drawings. Soil shall be firmly pressed around each plant, and the excess soil removed from the crown.

G. Watering:

Each section of seasonal color shall be immediately watered upon completion of planting, and thereafter as required.

H. Spacing from Edge:

BID FORM

FOR

West Parking Lot Renovation Project at Anaheim Campus

1830 W. Romneya Dr., 2nd Floor, Anaheim, CA 92801

Bid No. 2122-23

FOR

NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

CONTRACTOR
NAME:

ADDRESS:

TELEPHONE:

() _____

EMAIL

TO: North Orange County Community College District, acting by and through its Governing Board, herein called "District".

1. Pursuant to and in compliance with your Notice Inviting Bids and other documents relating thereto, the undersigned bidder, having familiarized himself with the terms of the Contract, the local conditions affecting the performance of the Contract, the cost of the work at the place where the work is to be done, with the Drawings and Specifications, and other Contract Documents, hereby proposes and agrees to perform within the time stipulated, the Contract, including all of its component parts, and everything required to be performed, including its acceptance by the District, and to provide and furnish any and all labor, materials, tools, expendable equipment, and utility and transportation services necessary to perform the Contract and complete all of the Work in a workmanlike manner required in connection with the construction of: **West Parking Lot Renovation Project at Anaheim Campus**, ("Project") and will accept in full payment for the Work the following total lump sum amount, all taxes and mark up included:

THE AWARD OF THE CONTRACT SHALL BE DETERMINED BY THE LOWEST RESPONSIVE BID.

The lowest responsive bid for the Work shall be determined as Base Bid amount, plus Allowance(s).

A.	Base Bid Written: _____ Dollars	Amount \$ _____
B.	Allowance: The allowance shall be used solely by the District to address unforeseen conditions related to the project Written: One Hundred Thousand Dollars	Amount \$100,000
C.	TOTAL BID AMOUNT (Base Bid + Allowance) Written: _____ Dollars	Amount \$ _____

2. BIDDER ACKNOWLEDGES THE FOLLOWING ADDENDUM:

Number	Number	Number	Number	Number	Number	Number	Number
_____	_____	_____	_____	_____	_____	_____	_____

Acknowledge the inclusion of all addenda issued prior to bid in the blanks provided above. Your failure to do so may render your bid non-responsive.

3. TIME FOR COMPLETION: The District may give a notice to proceed within ninety (90) days of the award of the bid by the District. Once the Contractor has received the notice to proceed, the Contractor shall complete the work in the time specified in the Agreement. By submitting this bid, Contractor has thoroughly studied this Project and agrees that the Contract Time for this Project is adequate for the timely and proper completion of the Project. Further, Contractor has included in the analysis of the time required for this Project, Rain Days, Governmental Delays, and the requisite time to complete Punch List.

In the event that the District desires to postpone giving the notice to proceed beyond this ninety (90) day period, it is expressly understood that with reasonable notice to the Contractor, the notice to proceed may be postponed by the District. It is further expressly understood by the Contractor, that the Contractor shall not be entitled to any claim of additional compensation as a result of the postponement of giving the notice to proceed.

If the Contractor believes that a postponement will cause a hardship to it, the Contractor may terminate the contract with written notice to the District within ten (10) days after receipt by the Contractor of the District's notice of postponement. Should the Contractor terminate the Contract as a result of a notice of postponement, the District shall have the authority to award the Contract to the next lowest responsible bidder, if applicable.

It is understood that the District reserves the right to reject any or all bids and/or waive any irregularities or informalities in this bid or in the bid process. The Contractor understands that it may not withdraw this bid for a period of ninety (90) days after the date set for the opening of bids.

4. Attached is bid security in the amount of not less than ten percent (10%) of the bid:

Bid bond (10% of the Bid), certified check, or cashier's check (circle one)

5. The required List of Designated Subcontractors is attached hereto.
6. The required Contractor's Certificate Regarding Workers Compensation is attached hereto.
7. The required Non-Collusion Declaration is attached hereto.
8. The required Acknowledgement of Bidding Practices Regarding Indemnity is attached hereto.
9. The required DVBE Participation Statement is attached hereto.
10. The required Contractor's Certificate Regarding Drug-Free Work Place is attached hereto.
11. The required Contractor's Certificate Regarding Tobacco-Free Campus Policy is attached hereto.
12. It is understood and agreed that if written notice of the acceptance of this bid is mailed, telegraphed, or delivered to the undersigned after the opening of the bid, and within the time this bid is required to remain open, or at any time thereafter before this bid is withdrawn, the undersigned will execute and deliver to the District a Contract in the form attached hereto in accordance with the bid as accepted, and that he or she will also furnish and deliver to the District the Performance Bond and Payment Bond, all within ten (10) calendar days after award of Contract, and that the work under the Contract shall be commenced by the undersigned bidder, if awarded the Contract, by the start date provided in the District's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents.

13. The names of all persons interested in the foregoing proposal as principals are as follows:

(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state the legal name of such corporation, as well as the names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state the true names of the firm, as well as the names of all individual co-partners comprising the firm; if bidder or other interested person is an individual, state the first and last names in full.)

14. PROTEST PROCEDURES. If there is a bid protest, the grounds shall be submitted as set forth in the Instructions to Bidders.

15. The undersigned bidder shall be licensed and shall provide the following California Contractor's license information:

License Number: _____
License expiration date: _____
Name on License: _____
Class of License: _____
DIR Registration Number: _____

If the bidder is a joint venture, each member of the joint venture must include the above information.

16. Time is of the essence regarding this Contract, therefore, in the event the bidder to whom the Contract is awarded fails or refuses to post the required bonds and return executed copies of the Agreement form within five (5) calendar days from the date of receiving the Notice of Award, the District may declare the bidder's bid deposit or bond forfeited as damages.

17. The bidder declares that he/she has carefully examined the location of the proposed Project, that he/she has examined the Contract Documents, including the Plans, General Conditions, Supplemental Conditions, Addenda, and Specifications, all others documents and requirements that are attached to and/or contained in the Project Manual, all other documents issued to bidders and read the accompanying instructions to bidders, and hereby proposes and agrees, if this proposal is accepted, to furnish all materials and do all work required to complete the said work in accordance with the Contract Documents, in the time and manner therein prescribed for the unit cost and lump sum amounts set forth in this Bid Form.

18. DEBARMENT. In addition to seeking remedies for False Claims under Government Code section 12650 et seq. and Penal Code section 72, the District may debar a Contractor pursuant to Article 15 of the General Conditions if the Board, or the Board may designate a hearing officer who, in his or her discretion, finds the Contractor has done any of the following:

- a. Intentionally or with reckless disregard, violated any term of a contract with the District;
- b. Committed an act or omission which reflects on the Contractor's quality, fitness or capacity to perform work for the District;
- c. Committed an act or offense which indicates a lack of business integrity or business honesty;
or
- d. Made or submitted a false claim against the District or any other public entity. (See Government Code section 12650, et seq., and Penal Code section 72)

19. DESIGNATION OF SUBCONTRACTORS. In compliance with the Subletting and Subcontracting Fair Practices Act (California Public Contract Code section 4100 et seq.) and any amendments thereof, each bidder shall list subcontractors on the District's form Subcontractor list. This subcontractor list shall be submitted with the bid and is a required form.

I agree to receive service of notices at the e-mail address listed below.

I the below-indicated bidder, declare under penalty of perjury that the information provided and representations made in this bid are true and correct.

Proper Name of Company

Name of Bidder Representative

Street Address

City, State, and Zip

()
Phone Number

E-Mail

By: _____ Date: _____
Signature of Bidder Representative

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signature of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his signature shall be placed above.

All signatures must be made in permanent blue ink.