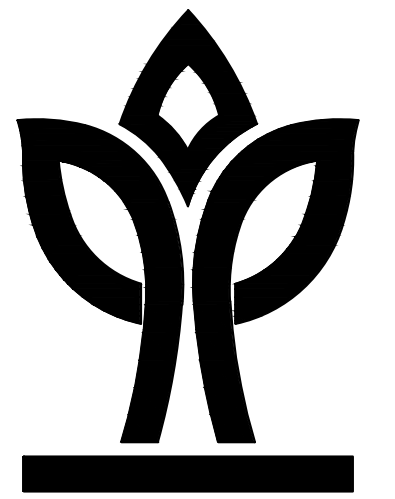


660 Baker Street Landscape Improvement Plans

Sheet Index

- L-T Cover Sheet
- LI-1 Irrigation Plan
- LI-2 Irrigation Details
- LI-3 Irrigation Details
- LP-1 Planting Plan
- LP-2 Planting Details
- LS-1 Specifications
- LS-2 Specifications



HUNTER LANDSCAPE

711 S. Fee Ana Street
 Placentia, California 92870
 Ph: 714.986-2400
 Fax: 714.986-2408



Project Name:
660 Baker Landscape Improvement

660 Baker Street
 Costa Mesa, Ca.

Owner/Developer:

Dunbar
 841 Apollo Street, Ste 334
 El Segundo, CA 90245

ABBREVIATIONS

AC	ASPHALT CONCRETE	PIP	POURED IN PLACE
CJ	COLD JOINT	P	PROPERTY LINE
C	CENTERLINE	R	RADIUS
CONC	CONCRETE	R or RAD	RISER
CONT	CONTINUOUS	RWD	REDWOOD
DIA	DIAMETER	RS	ROUGH SAWN
D.F.	DOUGLAS FIR	SL	SCORELINE
EA	EACH	SHT	SHEET
EJ	EXPANSION JOINT	SPECS	SPECIFICATIONS
EQ	EQUAL	SQ	SQUARE
EXIST.	EXISTING	STD	STANDARD
FRH	FIRE HYDRANT	STRUCT	STRUCTURAL
FS	FINISH SURFACE	S4S	SURFACE FOUR SIDES
FT	FEET	T	TREAD
FTG	FOOTING	THK	THICK
GA	GAUGE	TOC	TOP OF CONCRETE or CURE
GALV	GALVANIZE(D)	TYP	TYPICAL
GB	GRADE	TOW	TOP OF WALL
HP	HIGH POINT	TOF	TOP OF FOOTING
MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
MIN	MINIMUM	VEH	VEHICULAR
NIC	NOT IN CONTRACT	VERT	VERTICAL
NIS	NOT TO SCALE	WWM	WOVEN WIRE MESH
OC	ON CENTER	WI	WROUGHT IRON
PA	PLANTING AREA	d	NAIL PENNY SIZE

General Notes

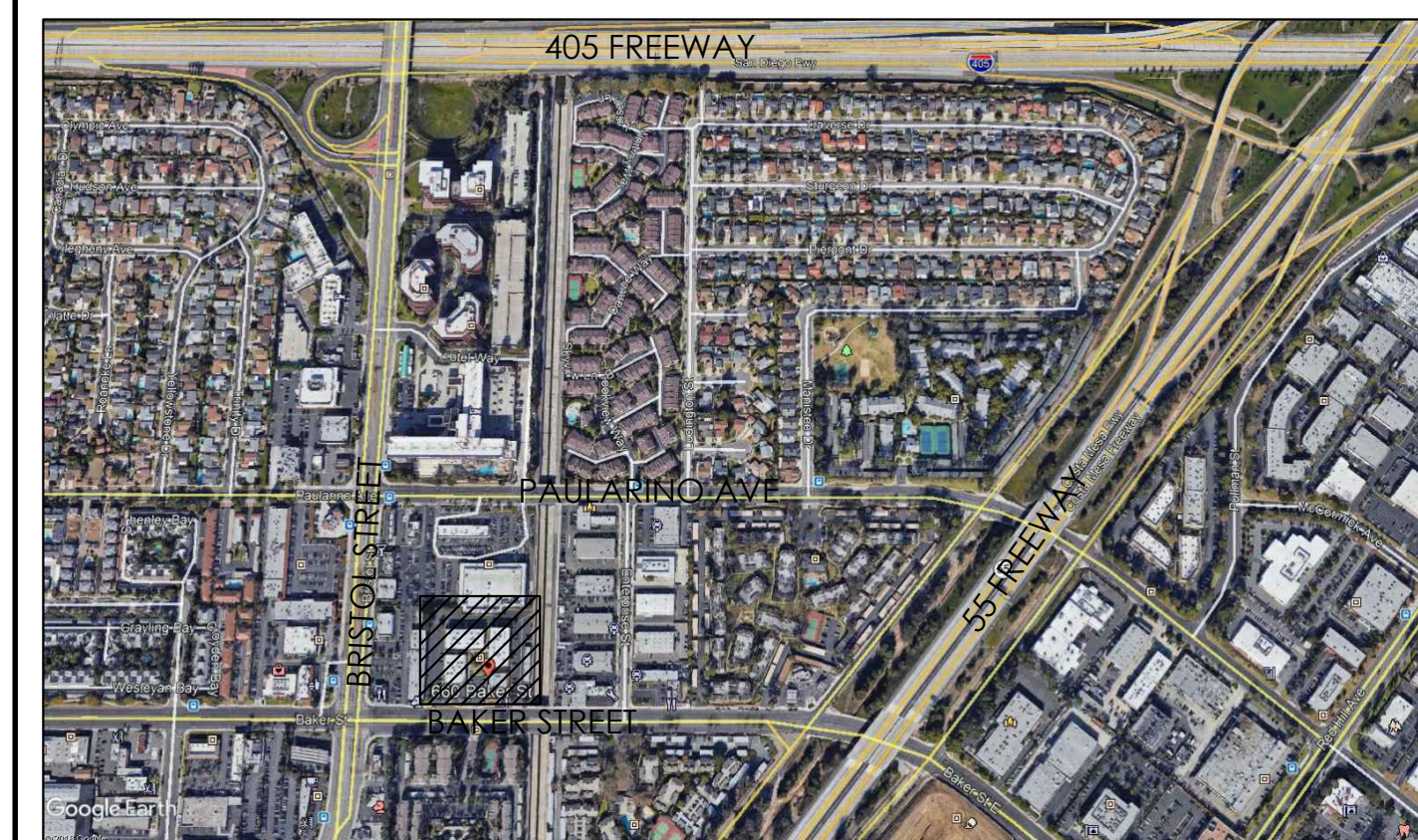
IRRIGATION

1. FINAL LOCATION OF CONTROLLER TO BE DETERMINED IN THE FIELD WITH APPROVAL OF OWNER AND LANDSCAPE ARCHITECT.
2. REFER TO GENERAL IRRIGATION NOTES ON IRRIGATION PLAN.

PLANTING

1. ALL BOX TREES ARE TO BE SELECTED BY THE LANDSCAPE ARCHITECT.
2. CONTRACTOR IS TO SPOT ALL PLANT MATERIAL AND HAVE LANDSCAPE ARCHITECT APPROVE THE SPOTTING PRIOR TO THE EXCAVATION OF ANY PLANT PIT. ALLOW 48 HOURS LEAD TIME. ANY TREE, SHRUB, OR VINE THAT IS PLANTED WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT MAY BE MOVED AT THE CONTRACTOR'S EXPENSE.
3. REMOVE STAKES FROM ALL ESPALIERS AND VINES AND ATTACH TO WALLS, POST, ETC.
4. PRIOR TO PLANTING INSTALLATION, CONTRACTOR SHALL HAVE SOIL TESTED AND SEND RESULTS TO PUBLIC WORKS INSPECTOR. REFER TO SPECIFICATIONS FOR SOIL PREPARATION INFORMATION.
5. CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT AND CITY INSPECTOR FOR FINAL INSPECTION WHEN INSTALLATION IS COMPLETE, AND FOR A FINAL MAINTENANCE INSPECTION AT THE END OF THE MAINTENANCE PERIOD.

Vicinity Map



Sheet Title:
Cover Sheet

Date	Remarks
3/25/19	Courtyard Revision
5/2/19	Door Revision

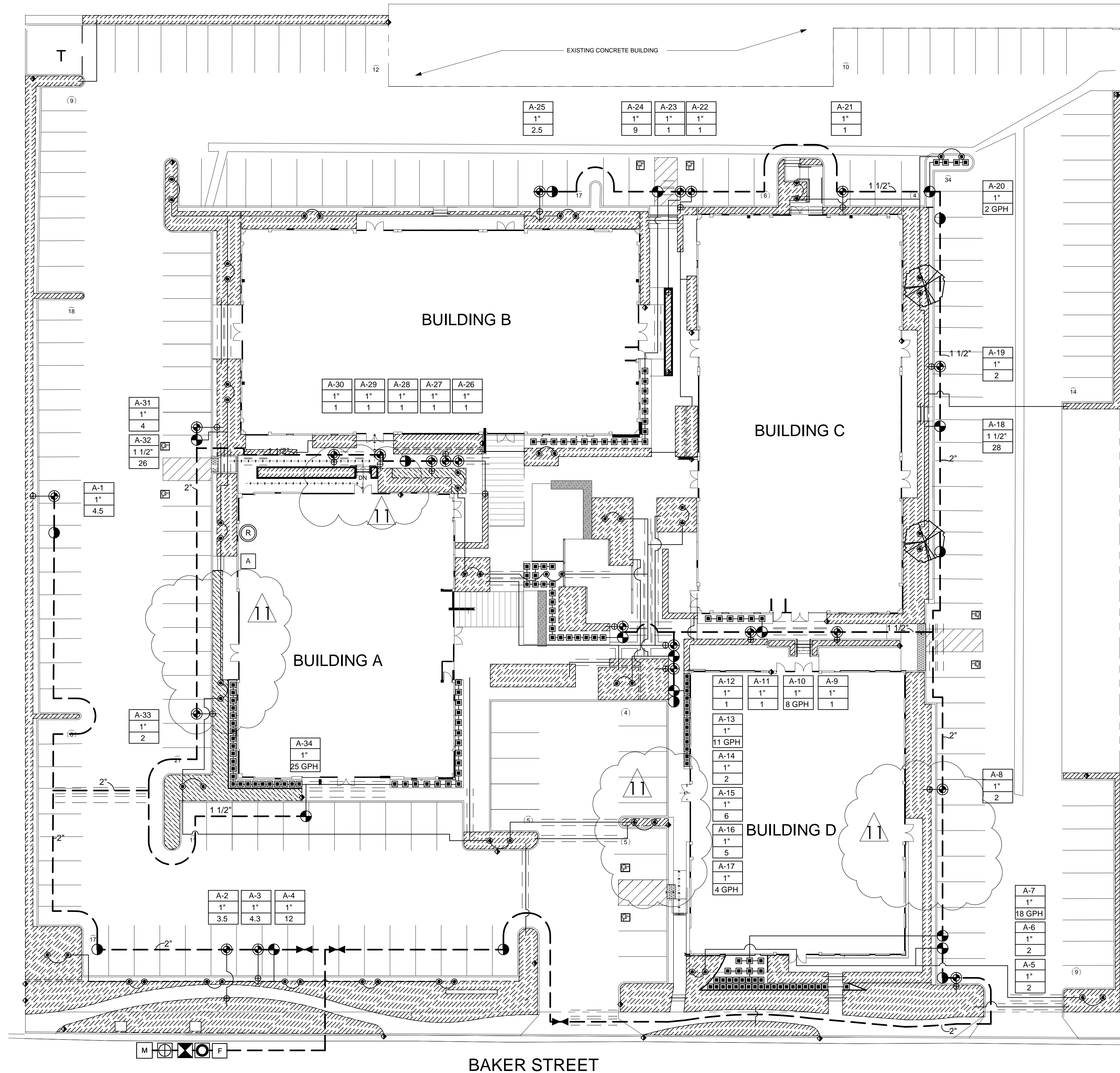
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Date: 03/25/19

Drawn by: TH

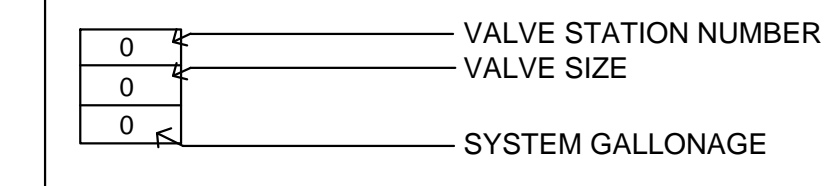
Job Number: 18-049

Sheet No:
L-T



IRRIGATION LEGEND

SYMBOL	MANUF.	MODEL NO.	DESCRIPTION	PSI	RADIUS	GPM
■	RAINBIRD	PCT-05	SHRUB BUBBLER ON 6" RISER	30	1	.5 GPH
●	RAINBIRD	1804-5H-B	POP-UP TREE BUBBLER	30	3	1.0
▨	HUNTER	XFD-06-18	LANDSCAPE DRIPLINE SPACED AT 18"	30	-	.4 GPH
▩	HUNTER	XFD-06-18	LANDSCAPE DRIPLINE SPACED AT 24"	30	-	.4 GPH
⊕	RAINBIRD	AR VALVE KIT	AIR VACUUM RELIEF VALVE KIT LOCATE AT HIGH POINT IN LINE	-	-	-
◆	RAINBIRD	MDFCOUP AND MDCFCAP	FLUSH CAP	-	-	-
⊗	RAINBIRD	XCZ-100-B-COM (1" VALVE KIT)	REMOTE CONTROL VALVE CONTROL ZONE KIT IN RECTANGLE VALVE BOX (PURPLE LID)	-	-	-
⊙	RAINBIRD	PEB SERIES	REMOTE CONTROL VALVE SIZE AS NOTED ON PLAN	-	-	-
●	RAINBIRD	33DRC	QUICK COUPLING VALVE	-	-	-
⊘	NIBCO	MODEL T-113	GATE VALVE (LINE SIZE)	-	-	-
⊕	NIBCO	T580-70	BRASS BALL VALVE	-	-	-
⊗	FEBCO	825 Y	BACKFLOW PREVENTER - 1 1/2"	-	-	-
M	APPROVED	WATER METER	1 1/2" SUBMETER TO SEPARATE IRRIGATION FROM DOMESTIC	-	-	-
⊗	RAINBIRD	PESB	MASTER VALVE LINE SIZE. RELAY TO CONTROLLER	-	-	-
F	RAINBIRD	FS100P	1" FLOW SENSOR	-	-	-
R	RAINBIRD	RSD-BEx	RAIN SENSOR W/BACKET, EXTENSION WIRE MOUNT OUTSIDE CONTROLLER	-	-	-
A	RAINBIRD	ESP12-LXMEF WITH (2) ESPLXMSM12	WALL MOUNTED CONTROLLER SEE NOTE BELOW	-	-	-
---	APPROVED	SCH 40 PVC	MAINLINE (SIZE PER PLAN)	-	-	-
---	APPROVED	CLASS 200 PVC	LATERAL LINE - BURIED (SIZE AS NOTED ON CHART BELOW)	-	-	-
---	APPROVED	SCH 40 PVC	SLEEVE (TWICE PIPE DIAMETER, 2" FOR WIRE)	-	-	-



PIPE SIZE CHART

PIPE	GPM RANGE
3/4"	0-7
1"	8-12.9
1 1/4"	13-19.9
1 1/2"	20-29.9
2"	30-37.9

IRRIGATION CONTROLLER - PLACE CONTROLLER IN POWDER-COATED METAL CABINET ON OUTDOOR WALL. LOCATION TO BE COORDINATED WITH GENERAL CONTRACTOR WHERE ELECTRICAL SERVICE WILL BE AVAILABLE AND CONTROLLER WILL NOT BE HIGHLY VISIBLE. INCLUDE AN IQ COMMUNICATION CARTRIDGE MODEL#IQ3GUSE AND 1 YEAR IQ SERVICE PLAN. PLEASE USE PART NUMBER C01401 WHEN ORDERING ONE YEAR 3G CELLULAR SERVICE FOR IQ CLOUD. CONTRACTOR TO COORDINATE WITH RAINBIRD GSP (1-866-GSP-XPRT) AND PROPERTY MANAGER ON ANNUAL CELLULAR CONTRACT TRANSFER BETWEEN LANDSCAPE MAINTENANCE CONTRACTORS AFTER CONTRACT SERVICE IS COMPLETED. FOR ADDITIONAL RAINBIRD SUPPORT, CONTACT THE LOCAL RAINBIRD ACCOUNT MANAGER, JOSHUA SEIPEL AT (1-909-693-8965 FOR ADDITIONAL ASSISTANCE WITH NCC DEVICE SETUP COORDINATION.



HUNTER LANDSCAPE

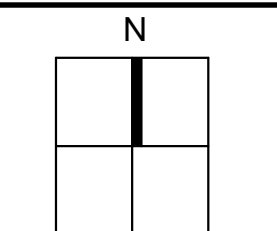
711 S. Fee Ana Street
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Project Name:
660 Baker Landscape Improvement

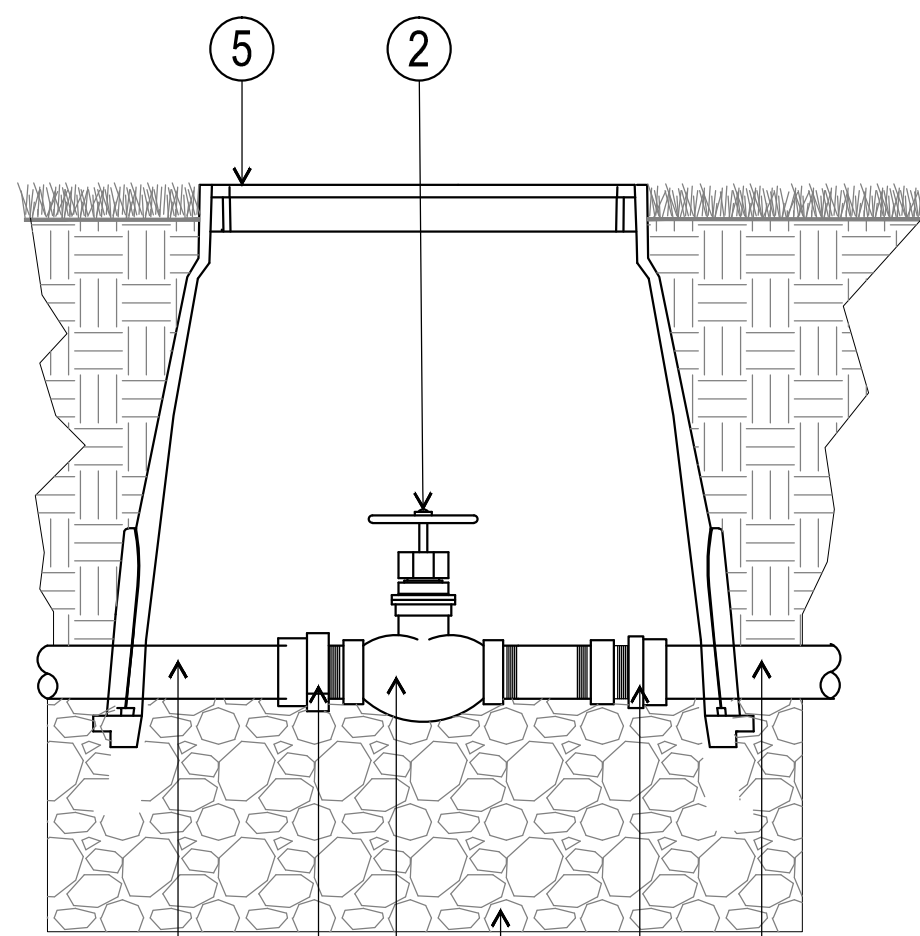
660 Baker Street
 Costa Mesa, Ca.
 Owner/Developer:
Dunbar
 841 Apollo Street, Ste 334
 El Segundo, CA 90245

Sheet Title:	Remarks
Irriation Plan	
Date	3/25/19
Revision	Courtyard Revision
Revision	Door Revision



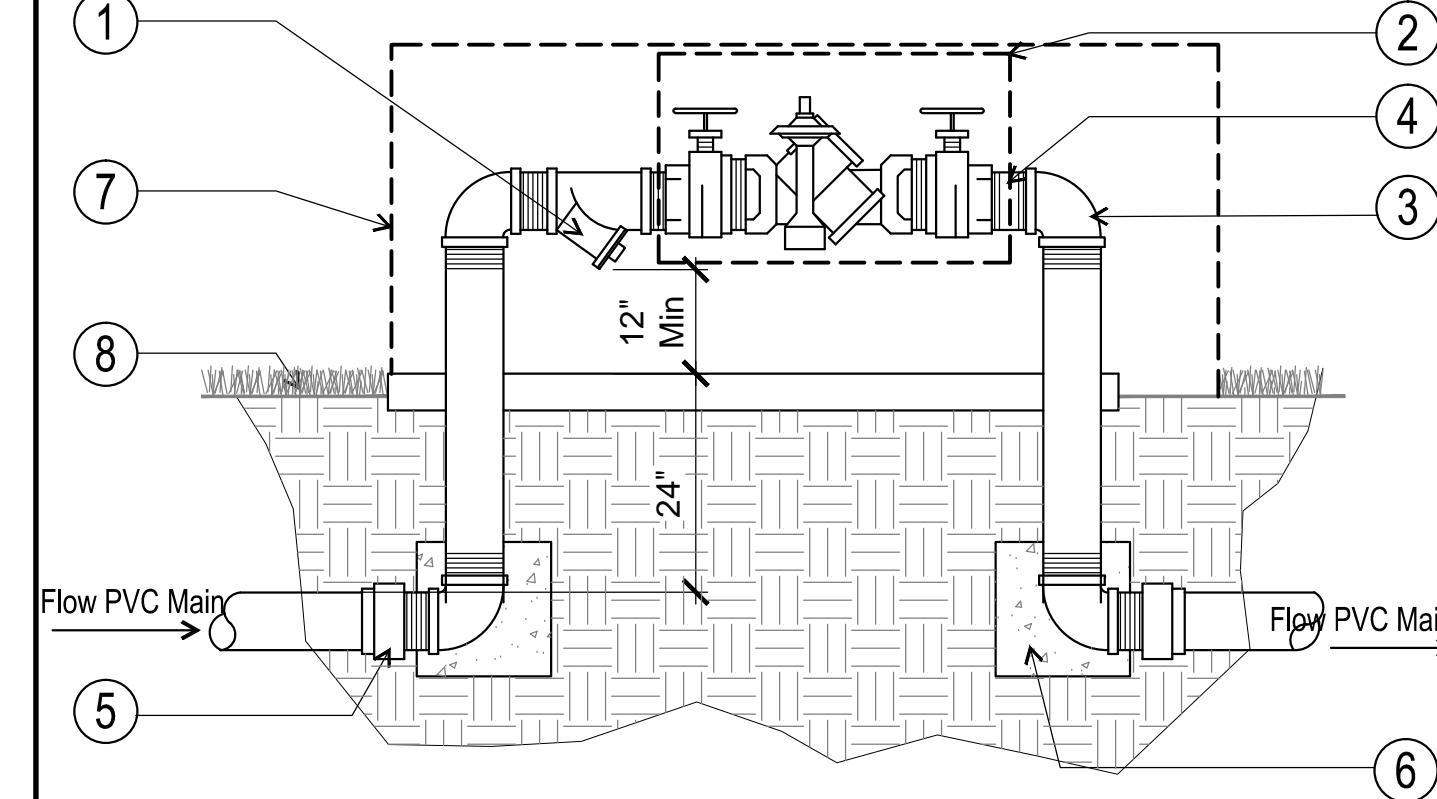
Scale: 1" = 20'
 Date: 03/25/19
 Drawn by: TH
 Job Number: 18-049

Sheet No:
LI-1



LEGEND:

1. Gate or ball valve.
2. Hand wheel.
3. Mainline.
4. PVC male adaptor.
5. 10" round plastic box and purple locking cover.
6. 3/4" crushed rock.

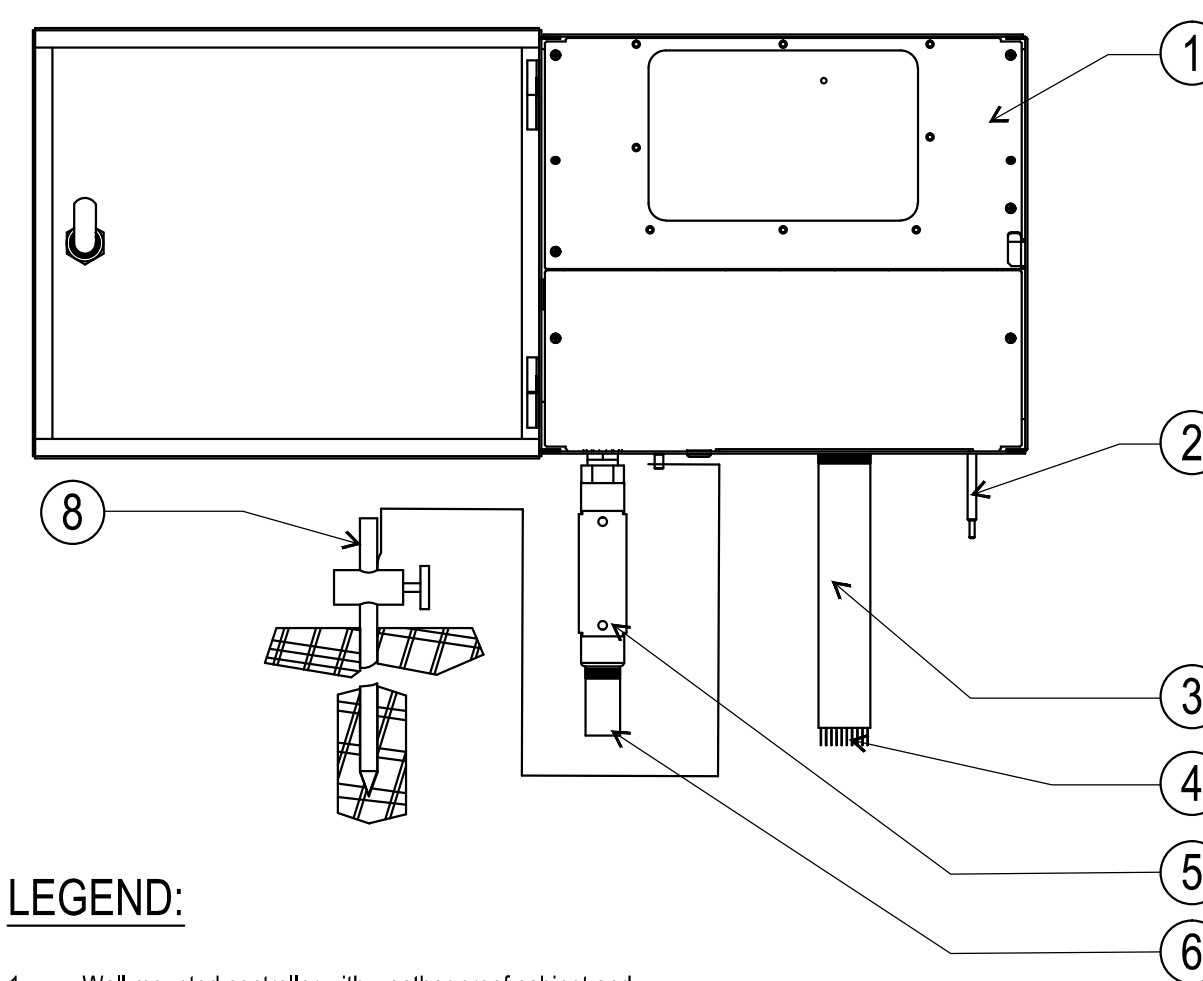


LEGEND:

1. Bronze wye strainer w/ full size blow off valve (80 mesh).
2. Reduced pressure backflow preventer with 2 shut off valves.
3. Brass pipes, nipples and fittings, typ.
4. Brass unions line sized both sides.
5. Sch 80 PVC male adaptor brass coupling and brass nipple, typical both sides.
6. 12" square concrete thrust block
7. Backflow enclosure V.I.T. SBBC-45CR, on concrete pad.
8. Finish grade.

NOTE:

1. Brass is required on all irrigation reduced pressure.

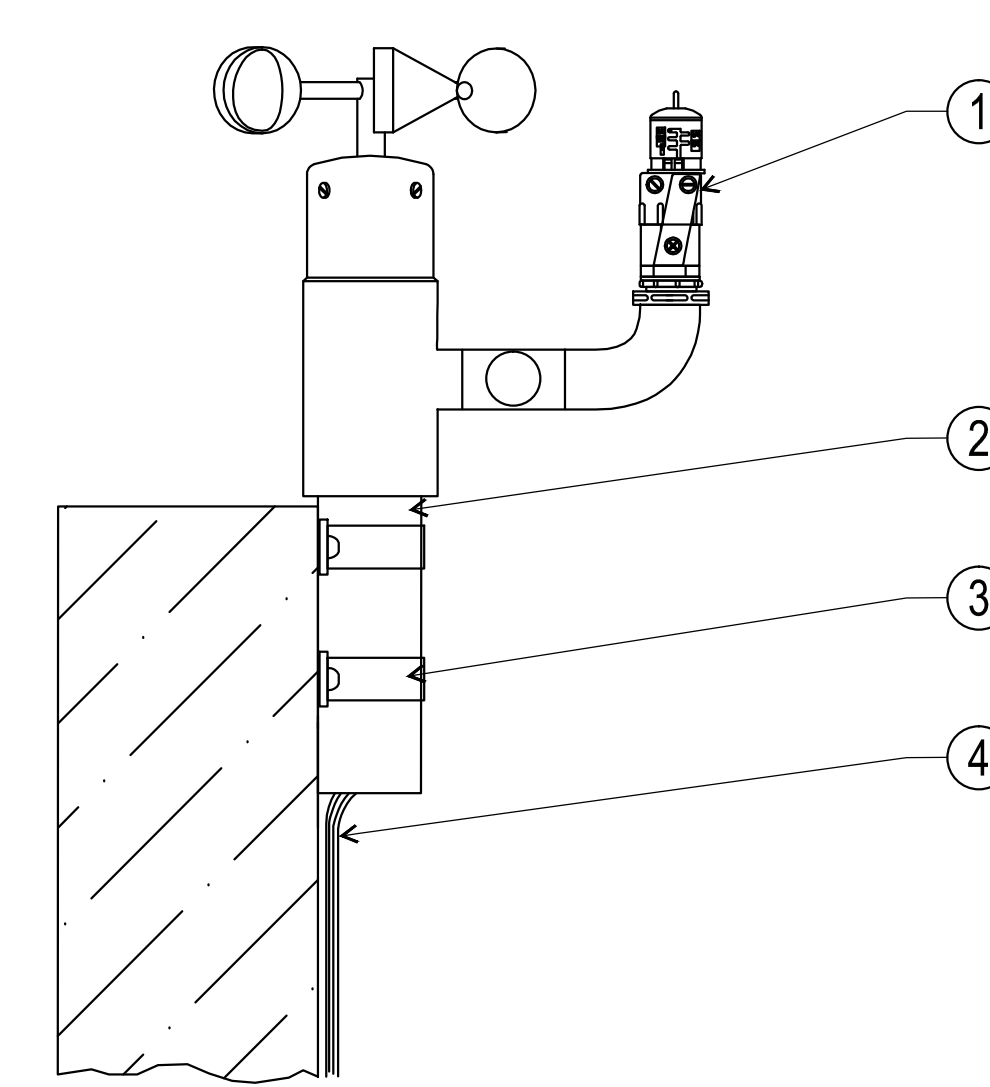


LEGEND:

1. Wall mounted controller with weather proof cabinet and locking cover (per irrigation legend).
2. Antenna.
3. 1 1/2" PVC sch 40 conduit for UF direct burial control wires, size as required.
4. Wires to remote control valves.
5. Junction box.
6. 1" PVC sch 40 conduit to power supply.
7. Ground rod 3/8" x 6'.

NOTES:

1. Installation to comply with all national and local electrical and building codes.
2. Power required 110v AC @ 1.2 amps or less.
3. Mount controller 4' above finish grade from bottom of controller.
4. Provide on/off switch.



LEGEND:

1. Weather station, mount 6" above grade.
2. 6" post.
3. Mount to post or with conduit clamps.
4. Run lead wires to controller.

NOTES:

1. For most accurate temperature sensing rotate the MWS so that the thermostat portion points south.
2. The MWS is designed to mount on a 2" dia. pipe post any combination of pipe and fittings may be used.

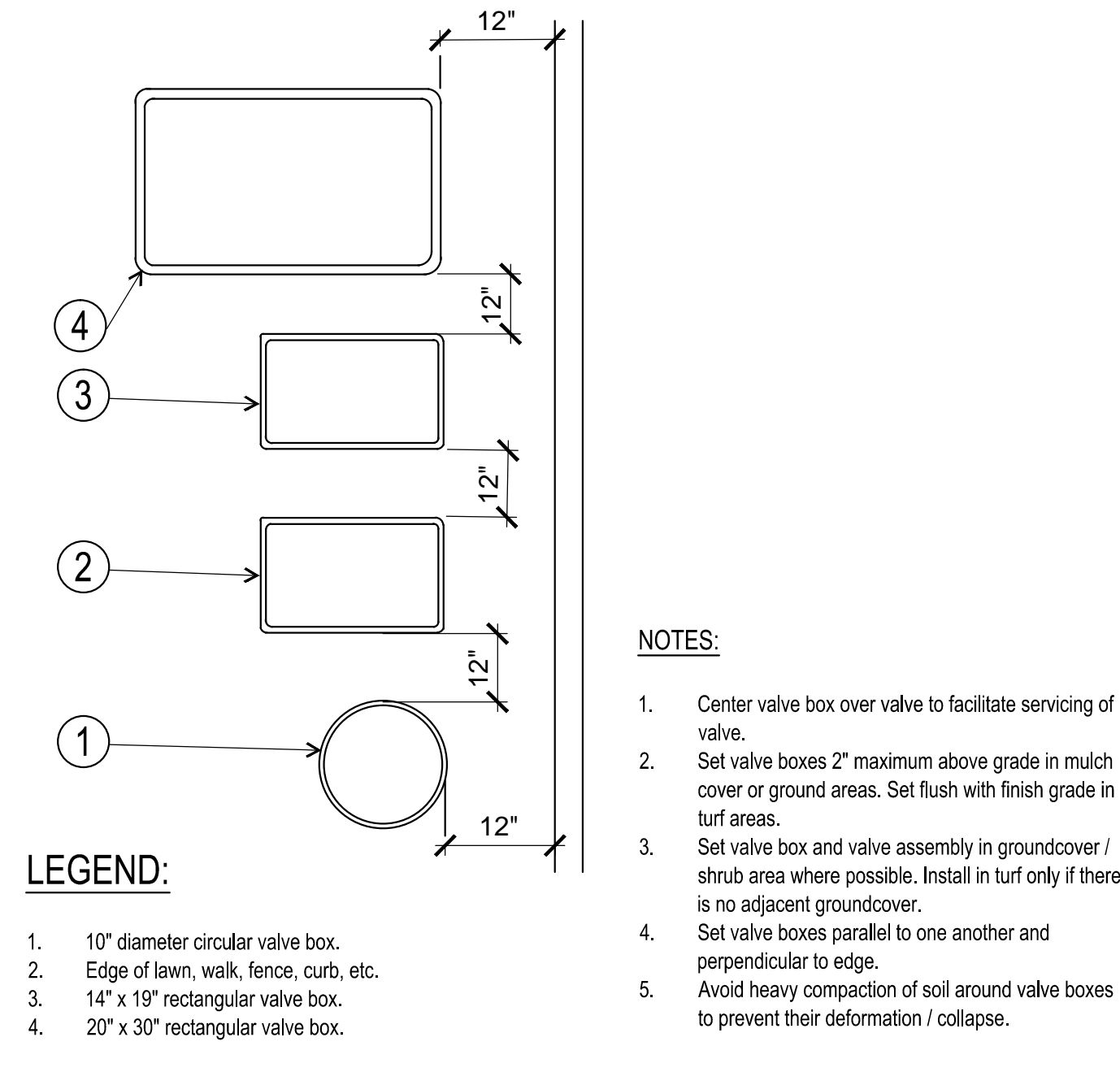
HUNTER LANDSCAPE
 711 S. Fee Ana Street
 Placentia, California 92870
 Ph: 714.986-2400
 Fax: 714.986-2408

4 Ball / Gate Valve Scale: N.T.S

3 Backflow Prevention Device Scale: N.T.S

2 Wall Mounted Controller Scale: N.T.S

1 Mini-Weather Station Scale: N.T.S

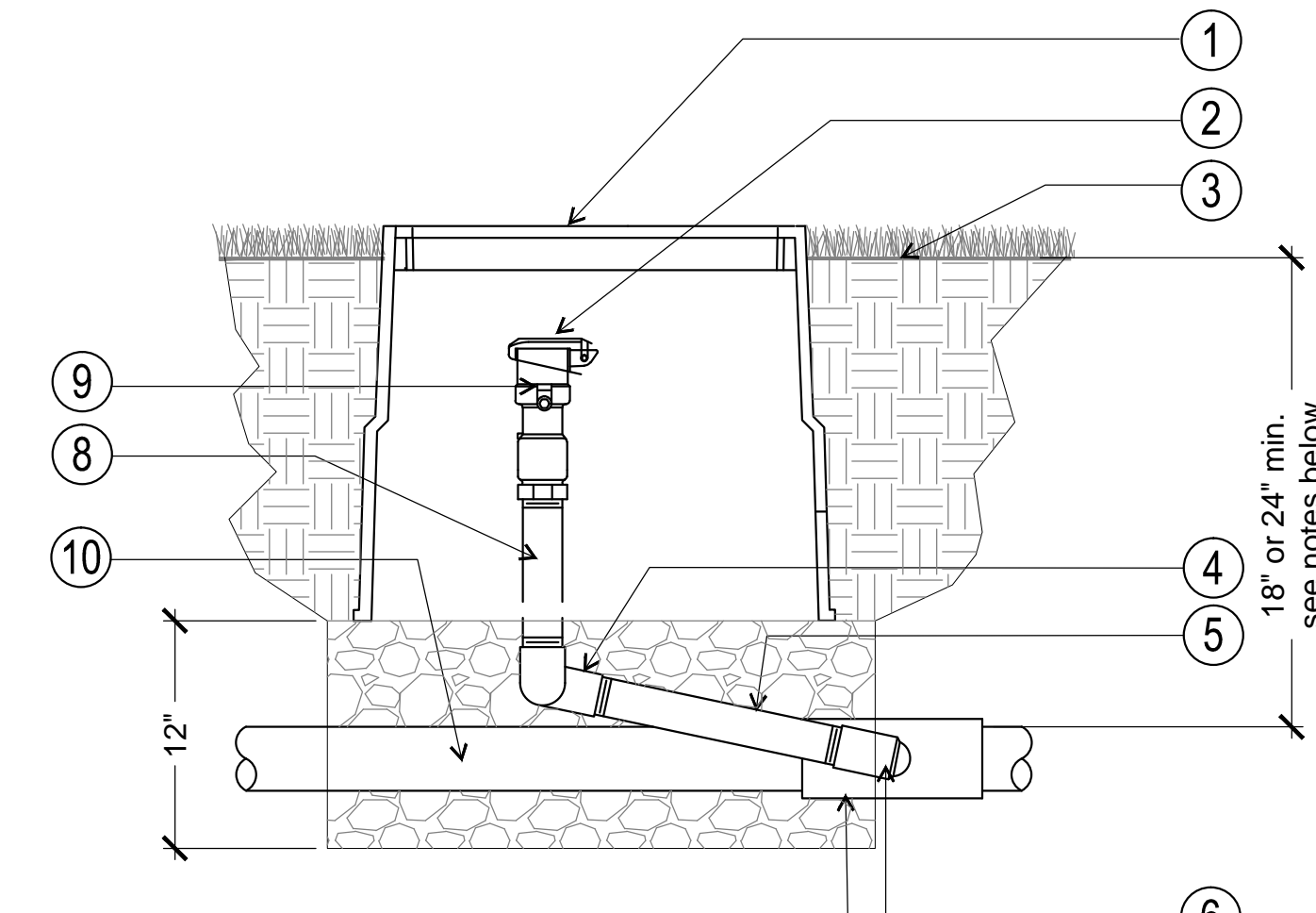


LEGEND:

1. 10" diameter circular valve box.
2. Edge of lawn, walk, fence, curb, etc.
3. 14" x 19" rectangular valve box.
4. 20" x 30" rectangular valve box.

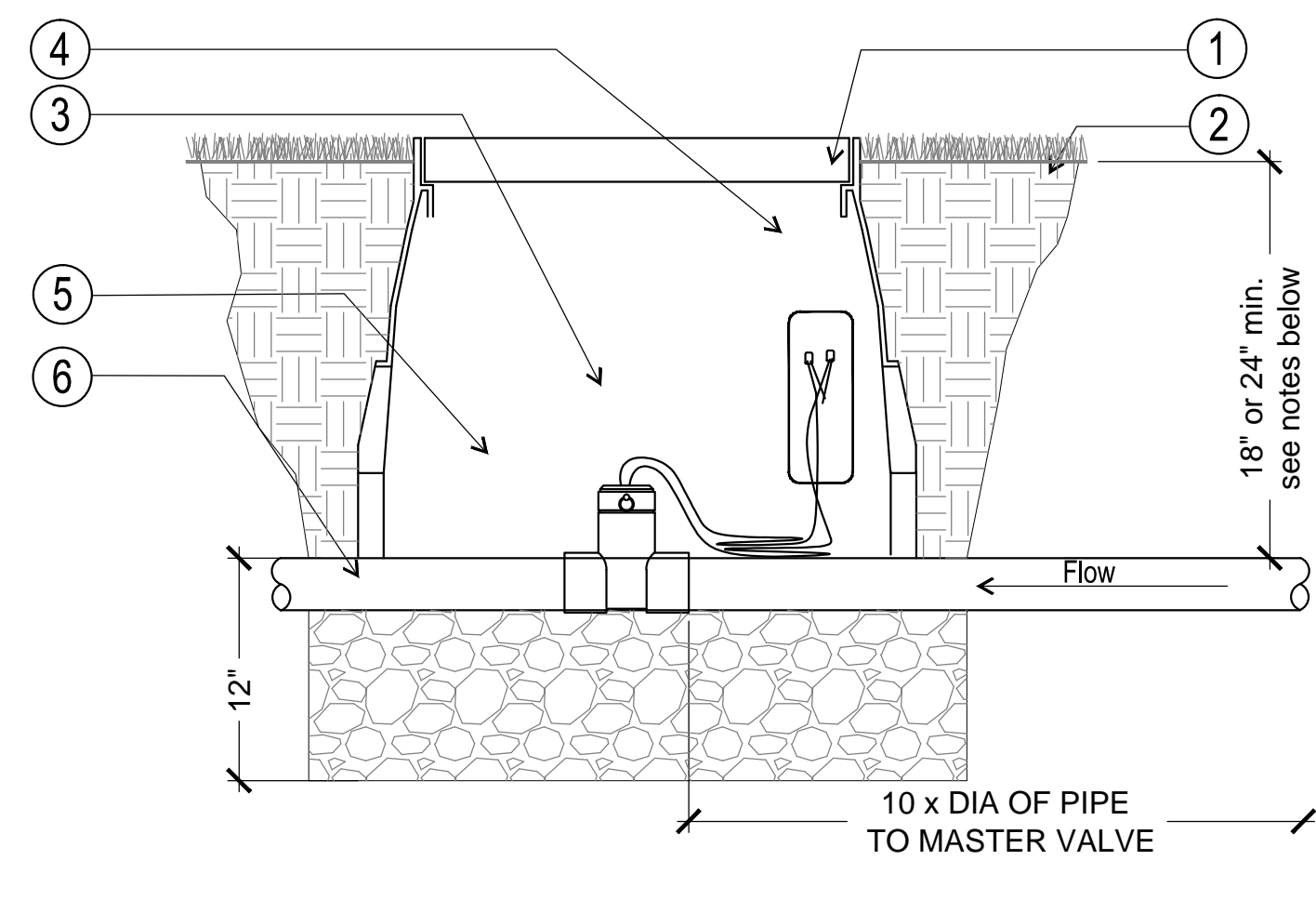
NOTES:

1. Center valve box over valve to facilitate servicing of valve.
2. Set valve boxes 2" maximum above grade in mulch cover or ground areas. Set flush with finish grade in turf areas.
3. Set valve box and valve assembly in groundcover / shrub area where possible. Install in turf only if there is no adjacent groundcover.
4. Set valve boxes parallel to one another and perpendicular to edge.
5. Avoid heavy compaction of soil around valve boxes to prevent their deformation / collapse.



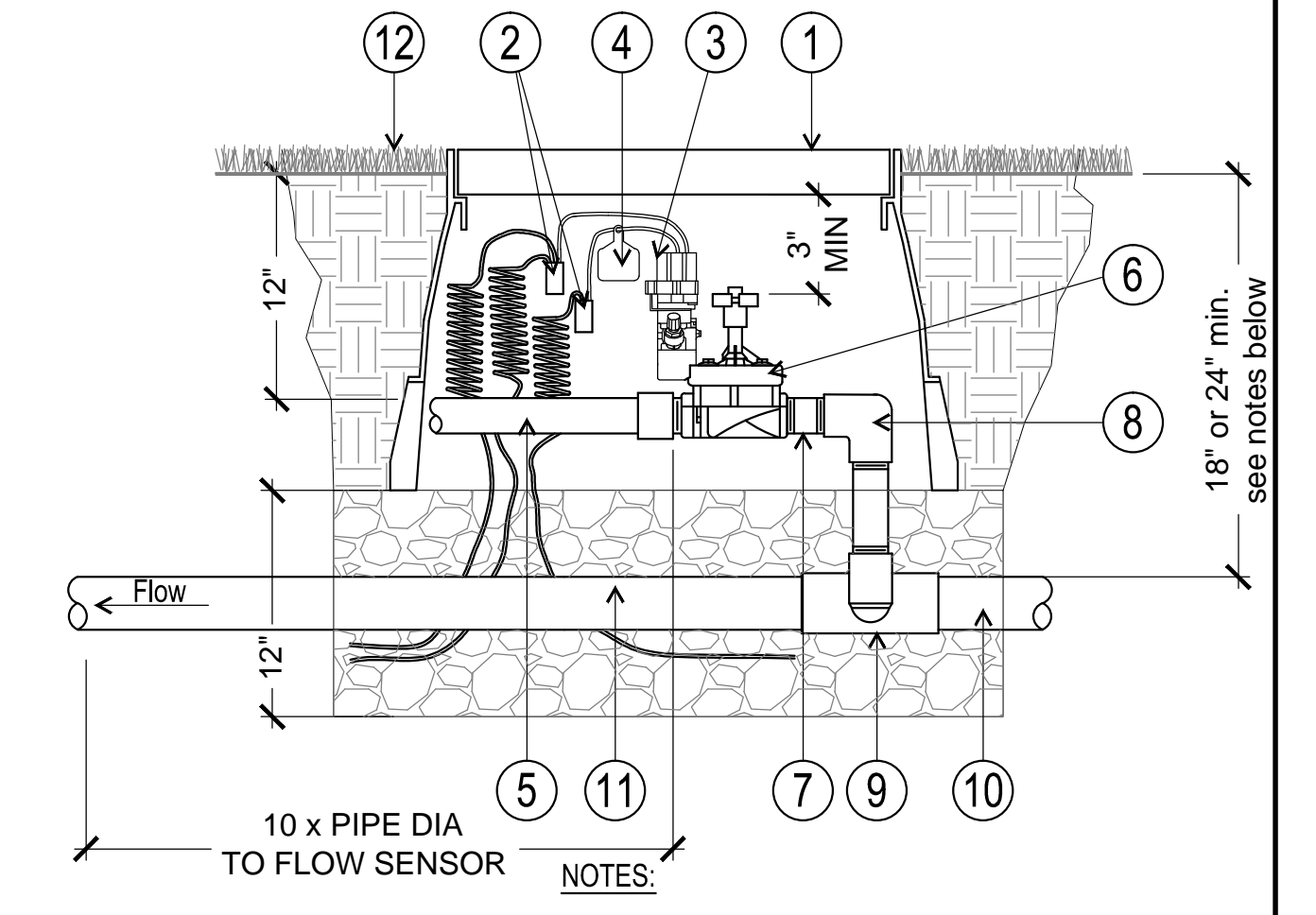
LEGEND:

1. 10" diameter circular valve box and purple locking cover.
2. Quick coupling valve with locking cover.
3. Finish grade.
4. 2 PVC sch 80 ell.
5. PVC sch 80 nipple.
6. PVC sch 40 elbow.
7. PVC tee
8. 1 cu. ft. pea gravel.
9. PVC sch 80 riser.
10. PVC mainline.



LEGEND:

1. Approved 14" x 19" plastic valve box with locking purple cover.
2. Finish grade.
3. Flow sensor.
4. P.E. cable to controller.
5. PVC mainline.
6. 3/4" crushed rock.



LEGEND:

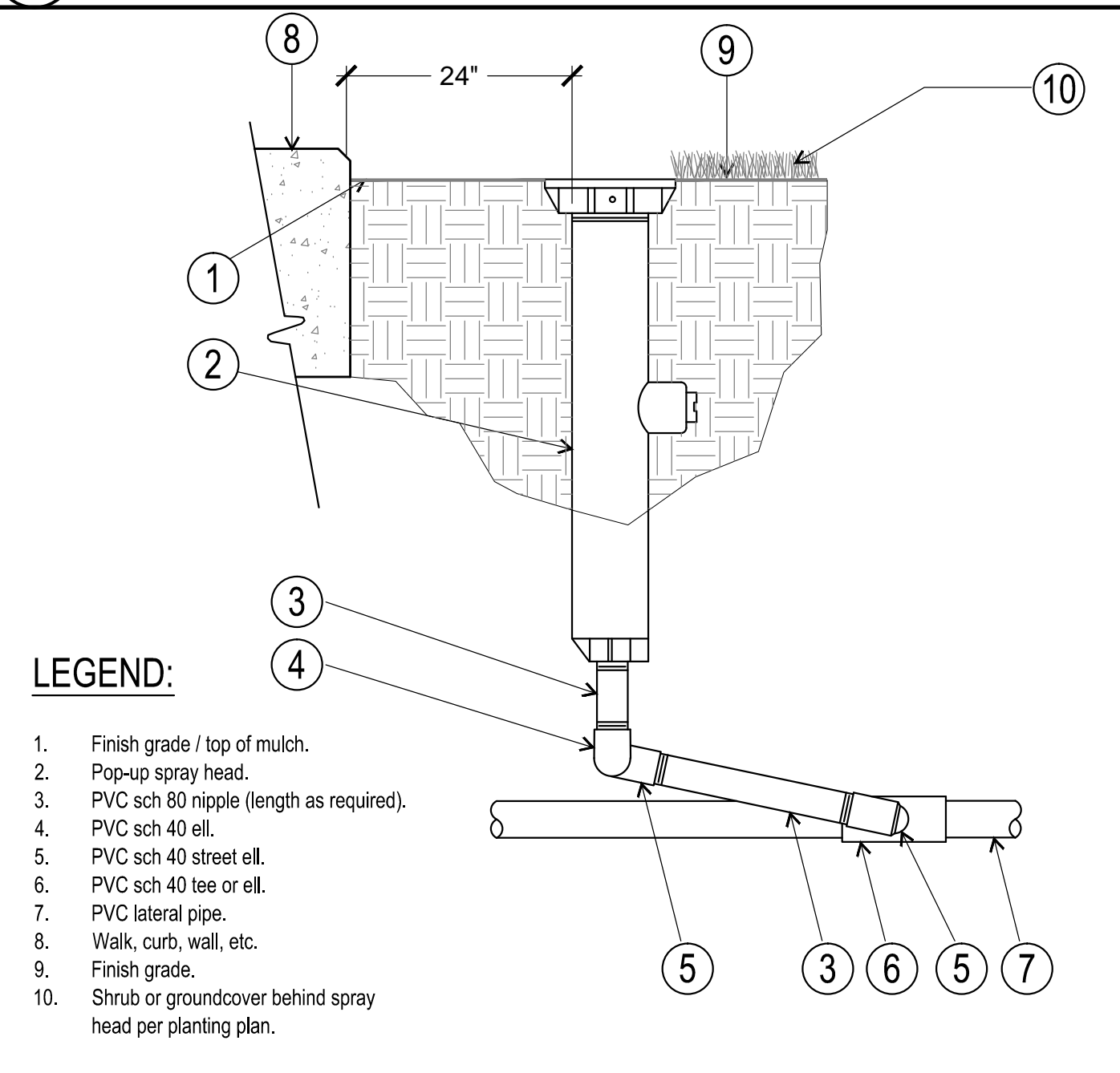
1. Approved 14" x 19" plastic valve box with locking purple cover.
2. Silicone filled connectors, spears DS-400.
3. Valve ID tag.
4. Lateral line.
5. Master or remote control valve.
6. Male adapter.
7. 90 ell tee.
8. Tee.
9. Mainline.
10. 3/4" crushed rock.
11. Finish grade.

8 Valve Box Layout Scale: N.T.S

7 Quick Coupler Valve Scale: N.T.S

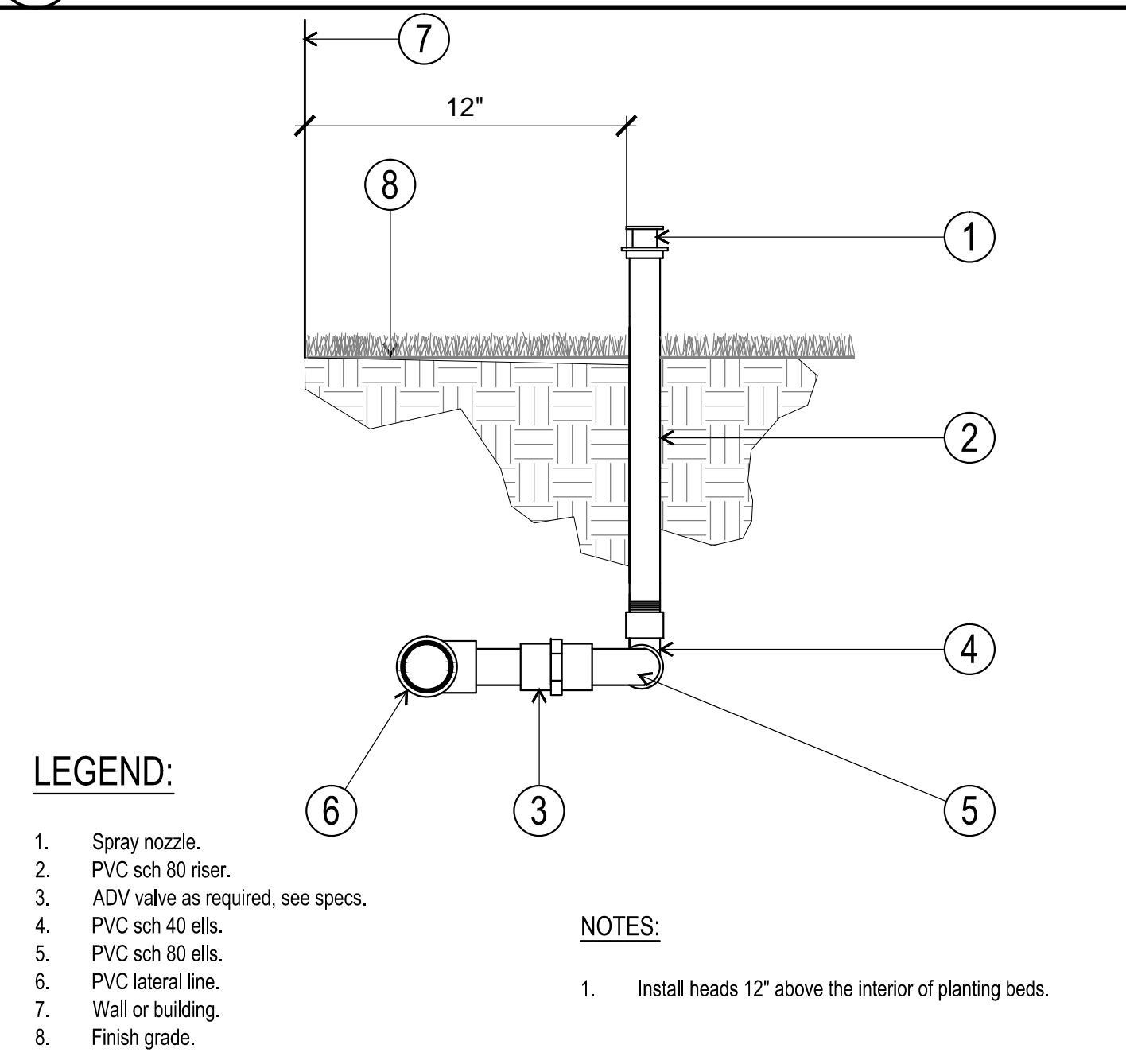
6 Flow Sensor Scale: N.T.S

5 Master / Remote Control Valve Scale: N.T.S



LEGEND:

1. Finish grade / top of shrub.
2. Pop-up spray head.
3. PVC sch 80 riser.
4. PVC sch 40 street ell.
5. PVC sch 40 tee or ell.
6. PVC lateral pipe.
7. Finish grade.
8. Walk, curb, wall, etc.
9. Shrub or groundcover behind spray head per planting plan.
10. Shrub or groundcover behind spray head per planting plan.

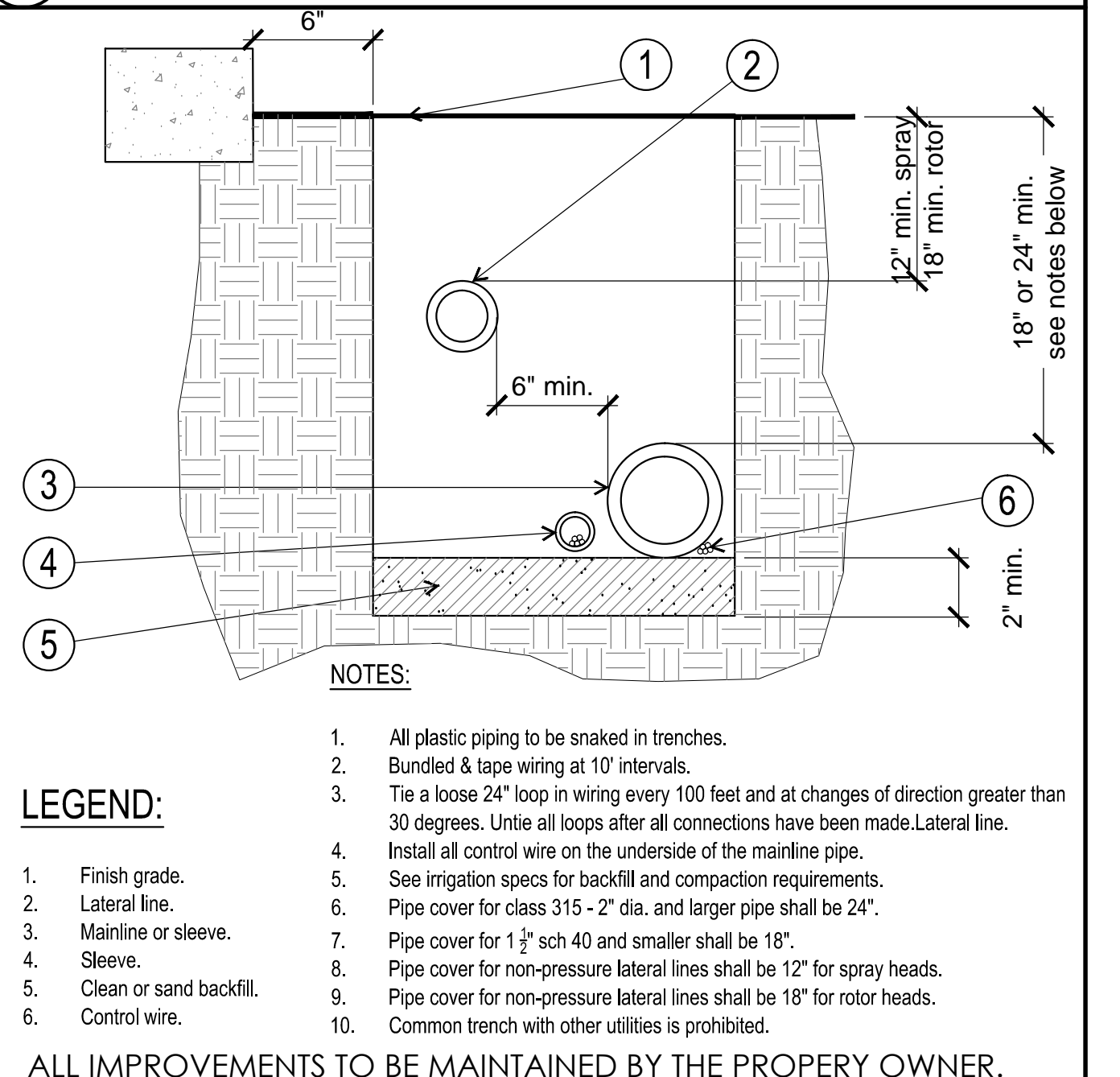


LEGEND:

1. Spray nozzle.
2. PVC sch 80 riser.
3. ADV valve as required, see specs.
4. PVC sch 40 ell.
5. PVC sch 80 ell.
6. PVC lateral line.
7. Wall or building.
8. Finish grade.

NOTES:

1. Install heads 12" above the interior of planting beds.



LEGEND:

1. Finish grade.
2. Lateral line.
3. Mainline or sleeve.
4. Sleeve.
5. Clean or sand backfill.
6. Control wire.
7. All plastic piping to be snaked in trenches.
8. Bundled & tape wiring at 10' intervals.
9. Tie a loose 24" loop in wiring every 100 feet and at changes of direction greater than 30 degrees. Untie all loops after all connections have been made.
10. Install all control wire on the underside of the mainline pipe.
11. See irrigation specs for backfill and compaction requirements.
12. Pipe cover for class 315 - 2" dia. and larger pipe shall be 24".
13. Pipe cover for class 315 - 2" dia. and larger pipe shall be 24".
14. Pipe cover for 1 1/2" sch 40 and smaller shall be 18".
15. Pipe cover for non-pressure lateral lines shall be 12" for spray heads.
16. Pipe cover for non-pressure lateral lines shall be 18" for rotor heads.
17. Common trench with other utilities is prohibited.

ALL IMPROVEMENTS TO BE MAINTAINED BY THE PROPERTY OWNER.

11 Pop-up Spray Head Scale: N.T.S

10 Spray Head on Riser Scale: N.T.S

9 Trenching Detail Scale: N.T.S

Project Name:
660 Baker Landscape Improvement
 660 Baker Street
 Costa Mesa, Ca.
 Owner/Developer:
Dunbar
 841 Apollo Street, Ste 334
 El Segundo, CA 90245

Sheet Title:	Remarks
Irrigation Details	Courtyard Revision
Date	Door Revision
3/25/19	
5/2/19	

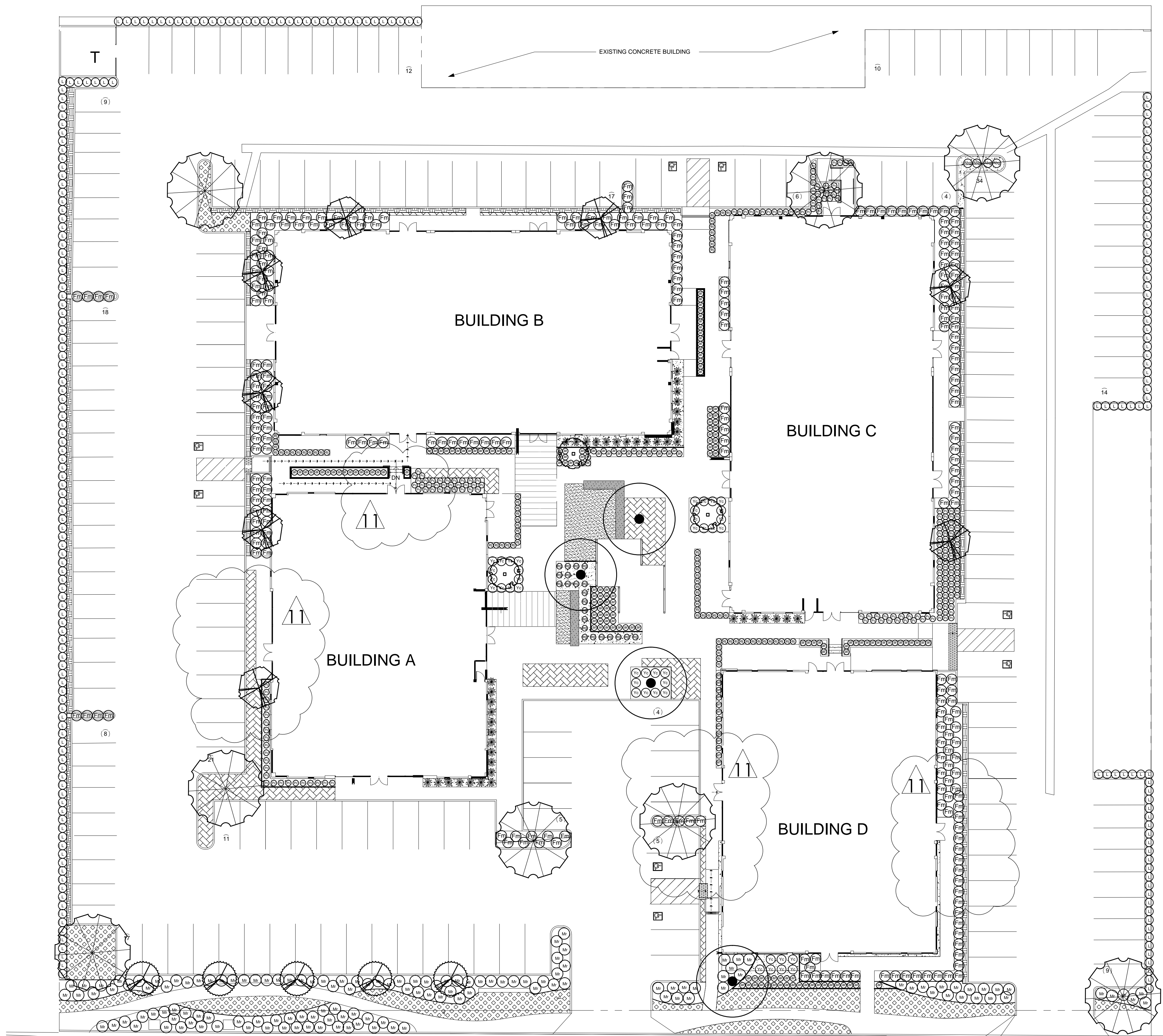
Scale:

Date: 03/25/19

Drawn by: TH

Job Number: 18-049

Sheet No: **LI-2**



PLANTING LEGEND

TREES					
SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	<i>Cercidium</i> 'Desert Museum' Blue Palo Verde	36" Box	4	L	Standard
	<i>Gleditsia tricanthos</i> Honey Locust	24" Box	8	M	Standard
	<i>Acacia stenophylla</i> Shoestring Acacia	24" Box	3	L	Standard
	<i>Lagerstroemia i</i> 'Natchez' White Crape Myrtle	24" Box	5	M	Standard
	<i>Tristania conferta</i> Brisbane Box	15 Gal	8	M	Standard

SHRUBS					
SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	<i>Cordyline festival grass</i> Festival Grass	5 Gal	43	M	
	<i>Euonymus j.</i> 'Green Spire' Green Spire Euonymous	5 Gal	72	L	
	<i>Festuca Mairei</i> Atlas Fescue	5 Gal	245	M	
	<i>Ligustrum j. Texanum</i> Texas Privet	5 Gal	222	M	
	<i>Muhlenbergia rigens</i> Deer nGrass	5 Gal	140	M	
	<i>Pittosporum</i> 'Creme de Mint' Dwarf Mock Orange	5 Gal	189	M	
	<i>Yucca</i> 'Color Guard' Color Guard Yucca	5 Gal	41	M	

ACCENTS					
SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	WUCOLS	REMARKS
	<i>Agave</i> 'Blue Glow' Blue Glow Agave	5 Gal	4	L	
	<i>Aloe maculata</i> Soap Aloe	5 Gal	13	L	
	<i>Aloe rooikappie</i> Little Red Riding Hood Aloe	1 Gal	123	L	
	<i>Aloe vera</i> - Yellow Yellow Aloe Vera	1 Gal	53	L	
	<i>Enchinocactus grusonii</i> Golden Barrel Cactus	5 Gal	22	L	

GROUNDCOVER					
SYMBOL	BOTANICAL/COMMON NAME	SIZE	SPACING	WUCOLS	REMARKS
	<i>Carex pansa</i> California Meadow Sedge	4" Pots	12" O.C.	M	Grass
	<i>Carissa c. m</i> 'Green Carpet' Natal Plum	1 Gal	48" O.C.	M	
	Synthetic Turf				

3" layer shredded organic mulch in shrub areas, 1" layer in groundcover areas.

3/4" crushed rock decorative rock -Desert Gold. 3" layer over filter fabric.

Concrete curb, see Planting Detail sheet

NOTES:

1. ALL TREES WITHIN 5' OF HARDSCAPE SHALL HAVE A ROOTBARRIER INSTALLED
2. CONTRACTOR TO INSTALL CONCRETE MOW CURB BETWEEN TURF, PLANTERS AND GRAVEL AREAS. SEE PLANTING DETAIL SHEET.
3. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS.
4. THESE PLANS WILL COMPLY WITH THE CITY'S WATER EFFICIENT LANDSCAPE ORDINANCE
5. PROVIDE MINIMUM 6" WARNING CURB IF CHANGE IN LEVEL EXCEEDS 4".

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Project Name:
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660 Baker Street
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Dunbar
841 Apollo Street, Ste 334
El Segundo, CA 90245

Sheet Title:	
Planting Plan	
Date	3/25/19
Remarks	Courtyard Revision
Door Revision	5/2/19

Scale: 1" = 20'

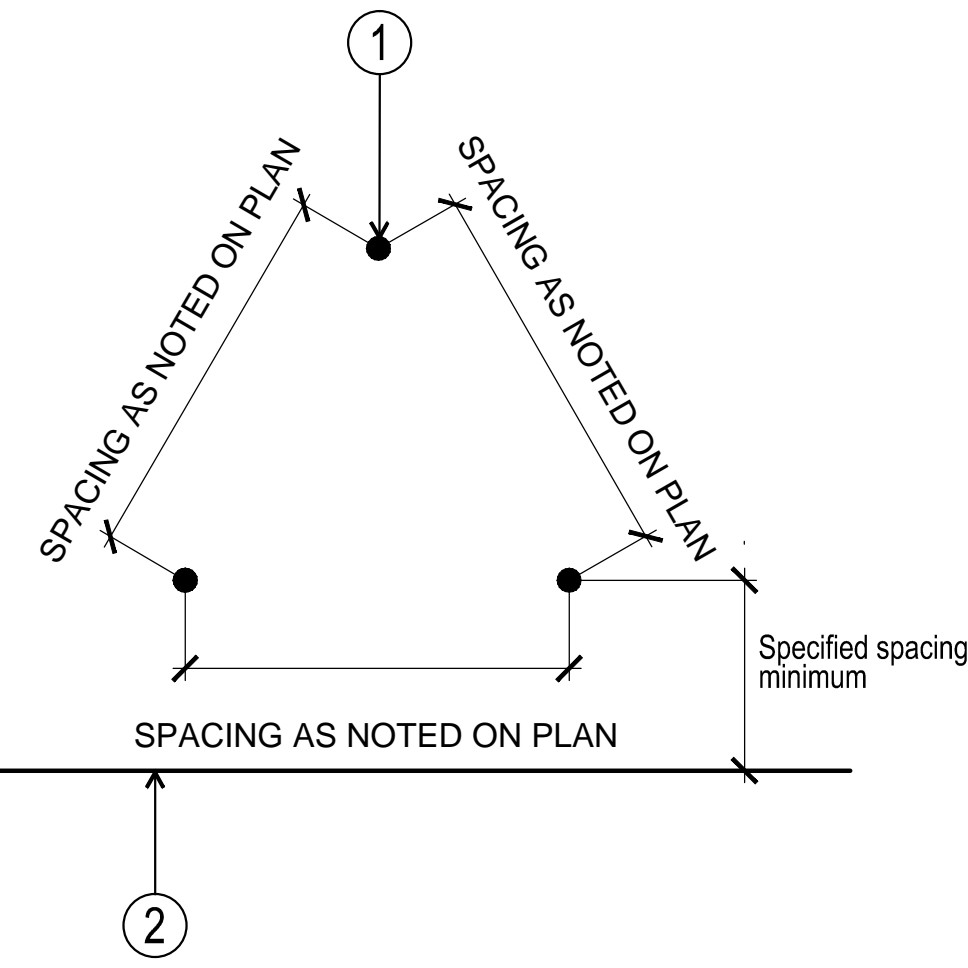
Date: 03/25/19

Drawn by: TH

Job Number: 18-049

Sheet No: **LP-1**

Spacing	Planting/sf.
6" o.c.	4.61
8" o.c.	2.60
9" o.c.	1.78
10" o.c.	1.66
12" o.c.	1.15
15" o.c.	0.74
18" o.c.	0.50
24" o.c.	0.28
30" o.c.	0.18
36" o.c.	0.12
48" o.c.	0.07
60" o.c.	0.04
72" o.c.	0.03

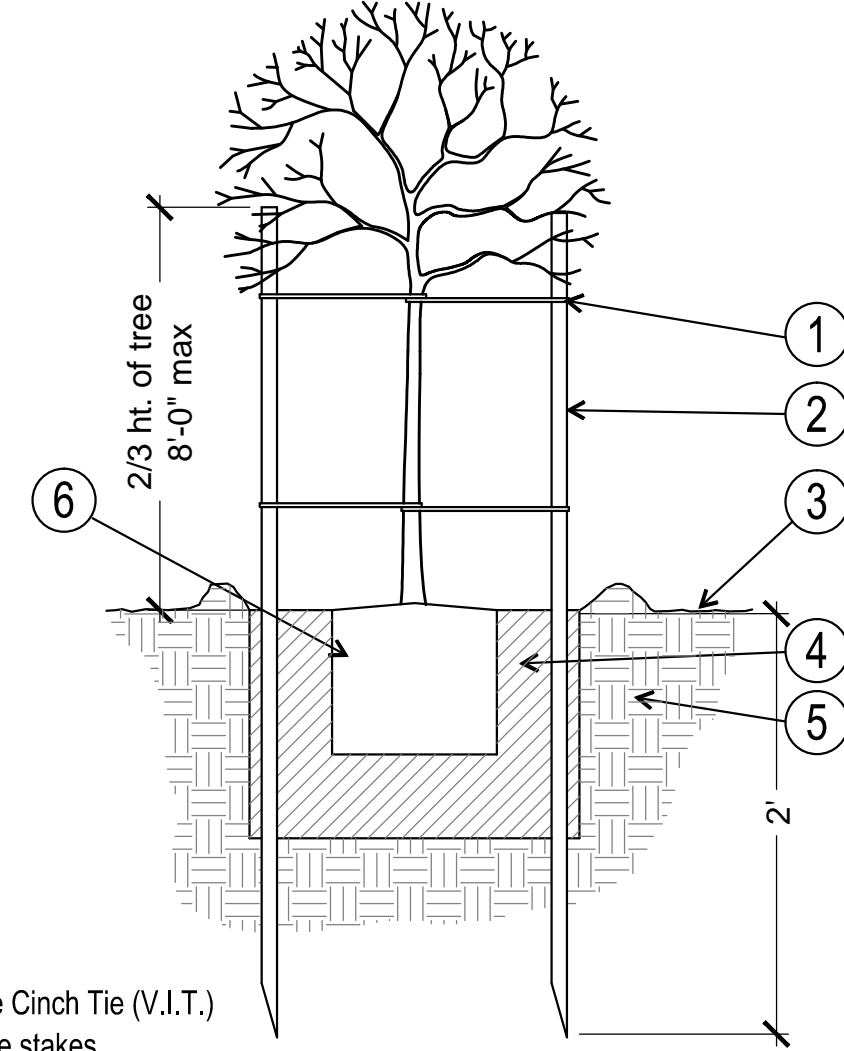


LEGEND:

- 1. Shrub / Ground Cover
- 2. Curb, Wall, Pavement, or edge of bed.

LEGEND:

- 1. 1/2" I.D. reinforced rubber hose Cinch Tie (V.I.T.)
- 2. 2" dia. x 10' long lodgepole pine stakes. Place stakes at outer edge of rootball.
- 3. Finish grade.
- 4. Plant pit.
- 5. Rootball.
- 6. Undisturbed soil.



LEGEND:

- 1. 1 to 15 gal. shrub.
- 2. 4" deep water basin.
- 3. Finish grade.
- 4. Backfill mix, see specifications.
- 5. Undisturbed soil.
- 6. Rootball, size varies. Set 1" above grade.
- 7. 6" deep compacted backfill below rootball unless stated otherwise in the specs or a agronomic report.
- 8. 1" approved mulch, see specifications.
- 9. Plant tablets, see specifications.

NOTES:

- 1. Scarify the sides and bottom of planting pit.
- 2. Prior to plant placement, fill all backfill pits with water and allow to percolate into subsoil.
- 3. Plant rootball and backfill mix must be thoroughly watered indirectly after planting.

LEGEND:

- 1. Tree
- 2. 4" deep temporary water basin.
- 3. Finish grade.
- 4. Backfill mix, per specifications.
- 5. Undisturbed soil.
- 6. Planting tablets, per specifications.
- 7. 6" compacted backfill below rootball unless stated otherwise in the specs. or a agronomic report.
- 8. 1" approved mulch per specs.
- 9. Rootball, size varies. Set 1" above grade.

NOTES:

- 1. Scarify the sides and bottom of planting pit.
- 2. Prior to plant placement, fill all backfill pits with water and allow to percolate into subsoil.
- 3. Plant rootball and backfill mix must be thoroughly watered indirectly after planting.

4 Triangular Spacing Diagram

Scale: N.T.S.

3 Tree Staking Detail

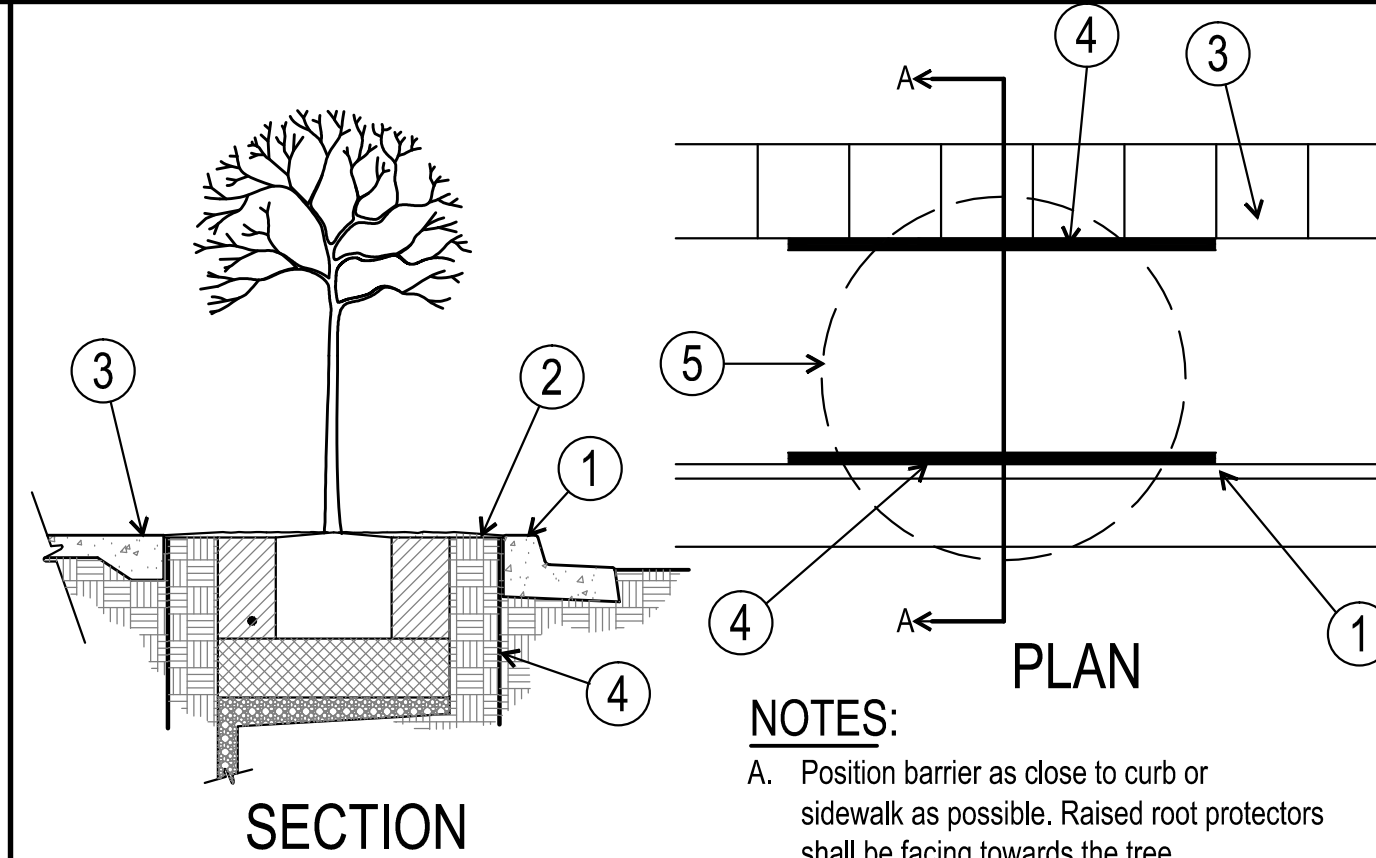
Scale: N.T.S.

2 Shrub Planting Detail

Scale: N.T.S.

1 Tree Planting Details

Scale: N.T.S.

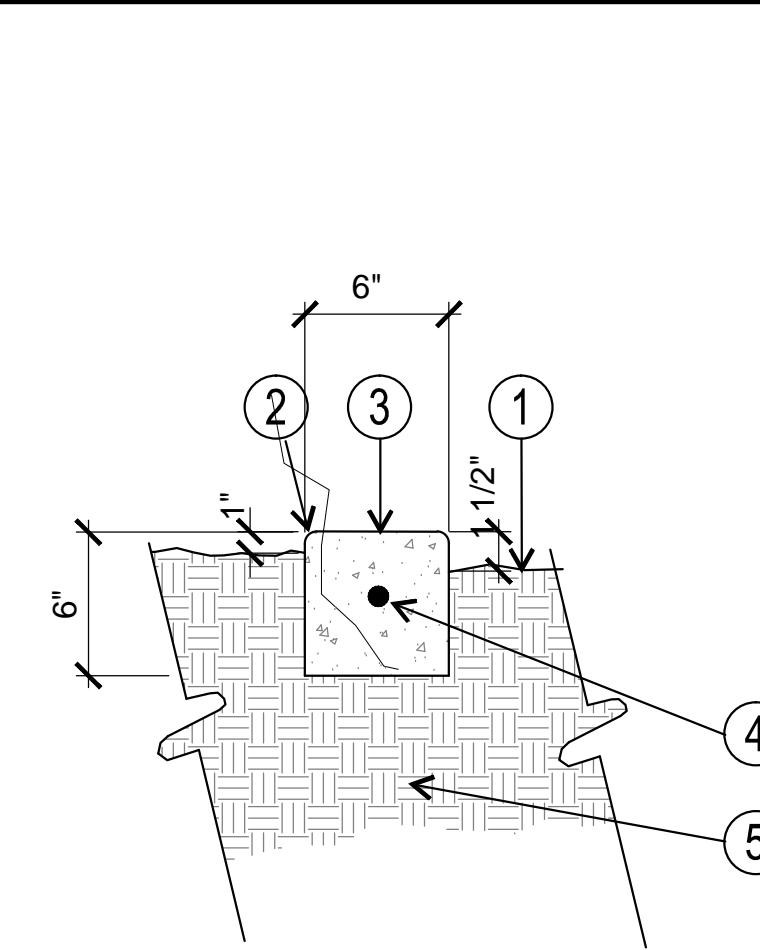


LEGEND:

- 1. Concrete curb.
- 2. Finished grade.
- 3. Sidewalk.
- 4. Root barrier.
- 5. Drip line of tree (defined by the minimum spacing distance in the Root Barrier Notes)

NOTES:

- A. Position barrier as close to curb or sidewalk as possible. Raised root protectors shall be facing towards the tree.
- B. Top of barrier shall be 1" above finished grade.
- C. Length of root barrier shall be 10' in each direction of tree trunk.
- D. Apply a mastic sealer to joint between concrete surfaces and root control barrier.
- E. Root barriers are to be used on trees within 6'-0" of a curb, sidewalk or wall.
- F. Installation of panels within soil preparation area will be rejected.
- G. Install per manufacturer's recommendations.
- H. For planting, see Tree Planting Details this sheet.



LEGEND:

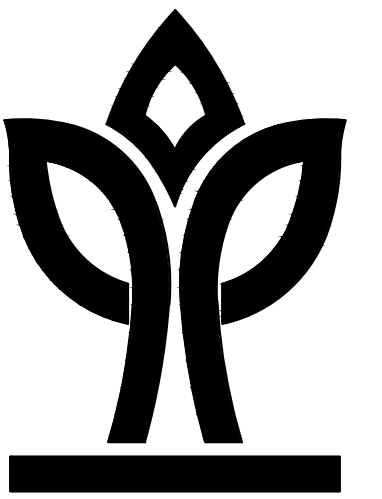
- 1. Finished grade, adjacent planting area
- 2. 1/2" radius, typical.
- 3. Poured in place concrete curb.
- 4. #3 rebar continuous.
- 5. Compacted subgrade per soils engineer's report.

12 Root Barrier Detail

Scale: N.T.S.

5 Concrete Mow Curb

Scale: 1 1/2" = 1'-0"



HUNTER LANDSCAPE

711 S. Fee Ana Street
Placentia, California 92870
Ph: 714.986-2400
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Project Name:
660 Baker Landscape Improvement

660 Baker Street
Costa Mesa, Ca.
Owner/Developer:
Dunbar
841 Apollo Street, Ste 334
El Segundo, CA 90245

Sheet Title:
Planting Details

Date	Remarks
3/25/19	Courtyard Revision
5/2/19	Door Revision

Scale:

Date: 03/25/19

Drawn by: TH

Job Number: 18-049

Sheet No:
LP-2

