

For grading, and utility information refer to civil drawings. It is the responsibility of the contractor to obtain permits necessary to perform the work shown in these plans from

the appropriate agencies.

- 4. All existing utilities and improvements are shown in their approximate locations based upon record information available at the time of preparation of these plans. Locations may not have been verified in the field and no guarantee is made as to the accuracy or completeness of the information shown. The contractor shall notify utility companies at least three (3) working days in advance of construction to field locate utilities. Call Underground Service Alert (U.S.A.), at 800-227-2600. It shall be the responsibility of the contractor to determine the existence and location of those utilities shown on these plans or indicated in the field by locating services. Additional costs incurred as a result of contractor's failure to verify locations of existing utilities prior to beginning of construction in their vicinity shall be borne by the contractor and assumed included and merged in the contract unit price.
- shown on irrigation plan. 7. All written dimensions supersede all scaled distances and
- dimensions.
 - 8. Dimensions shown are from the face of building, wall, back of curb, edge of walk, property line or centerline of column unless otherwise noted on the drawings.
 - 9. All lines and dimensions are parallel or perpendicular to the lines from which they are measured except where noted
 - 10. All curves and all transitions between curves and straight edges shall be smooth.
 - 11. Building layout and location, sidewalk, curb and gutter, grading and drainage is based on drawings prepared by the civil engineer.
 - 12. Any and all work within city right-of-way shall conform to all city standard details and specifications.

- contractor's expense to the full satisfaction of the owner.
- 15. Callouts are shown for clarification of work but do not indicate every and all instances of such work. The contractor shall request clarification to any items not clearly identified to be part of the scope of work prior to bid
- 15. All building information is based on drawings prepared by:

MBH Architects 960 Atlantic Ave Alemeda, California 94501 510-865-8663

Luk and Associates

16. All site civil information is based on drawings prepared by:

738 Alfred Nobel Dr. Hercules, California 94547 510-724-3811

	10 VIALIOI IO				
AB	Aggregate Base	Gal.	Gallon	S.C.E.D.	See Civil Engineering Drawings
AC	Asphalt Concrete	H/C	Handicap	SD	Storm Drain
AD	Area Drain	Max.	Maximum	S.E.D.	See Electrical Drawings
Bldg.	Building	Min.	Minimum	\$.I.D.D	See Interior Design Drawings
CL	Centerline	Mfr.	Manufacturer	Sim.	Similar
Clr.	Clear	N.I.C.	Not In Contract	SJ	Score Joint
Conc.	Concrete	O.C.	On Center	Specs	Specifications
Dia.	Diameter	(P)	Proposed	S.S.D.	See Structural Srawings
(E)	Existing	(N)	New	Std.	Standard
Elec.	Electrical	PA	Planting area	TBD	To Be Determined
EJ	Expansion Joint	PL	Property Line	Тур.	Typical
EQ	Equal	Req'd	Required	VG	Vertical Grain
EVA	Emergency Vehicle Access	R.O.W.	Right of Way		

S.A.D. See Architectural Drawings

Ex. Existing

Landscape Sheet Index

- L1.1 Street Level Landscape Materials and Layout Plan
- L1.2 Landscape Details
- L1.3 Test Reports and Product Data L2.1 Street Level Irrigation Plan
- L2.2 Roof Level Irrigation Plan
- L2.3 Irrigation Notes, Legend and Calculations L2.4 Irrigation Details
- L2.5 Irrigation Details L3.1 Street Level Planting Plan, Legend and Details

L3.2 Roof Level Planting Plan, Legend and Details

960 Atlantic Avenue Alameda, CA 94501 Tel 510 865 8663 Fax 510 865 1611

SMITH+SMITH

P: (415) 543-0332 | 1501 North Point Street F: (415) 543-9740 | San Francisco, CA 94123 www.smith2.com

LANDSCAPE ARCHITECTS



SAN FRANCISCO, CA 94133

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No. Date	Issue
07 APR 17	SITE PERMIT COMMENTS
14 JULY 17	SITE PERMIT COMMENTS
19 JULY 17	SITE PERMIT COMMENTS
<u></u>	ADDENDUM D
12 EED 10	DEVISED DI AN DI ACE

13 FEB 18 REVISED PLAN PLACE 05 SEP 18 DESIGN DEVELOPMENT 10 OCT 18 BULLETIN 3

03 DEC 18 DPW PC Response 10 JAN 19 Landscape Bulletin 28 JAN 19 Bulletin 8

26 MAR 19 Site Addenda #12 - Landscape 19 SEP 19 City Comment Response 08 NOV 19 City Comment Response

19 NOV 19 City Comment Response 10 DEC 19 BULLETIN 23 - ROW REV

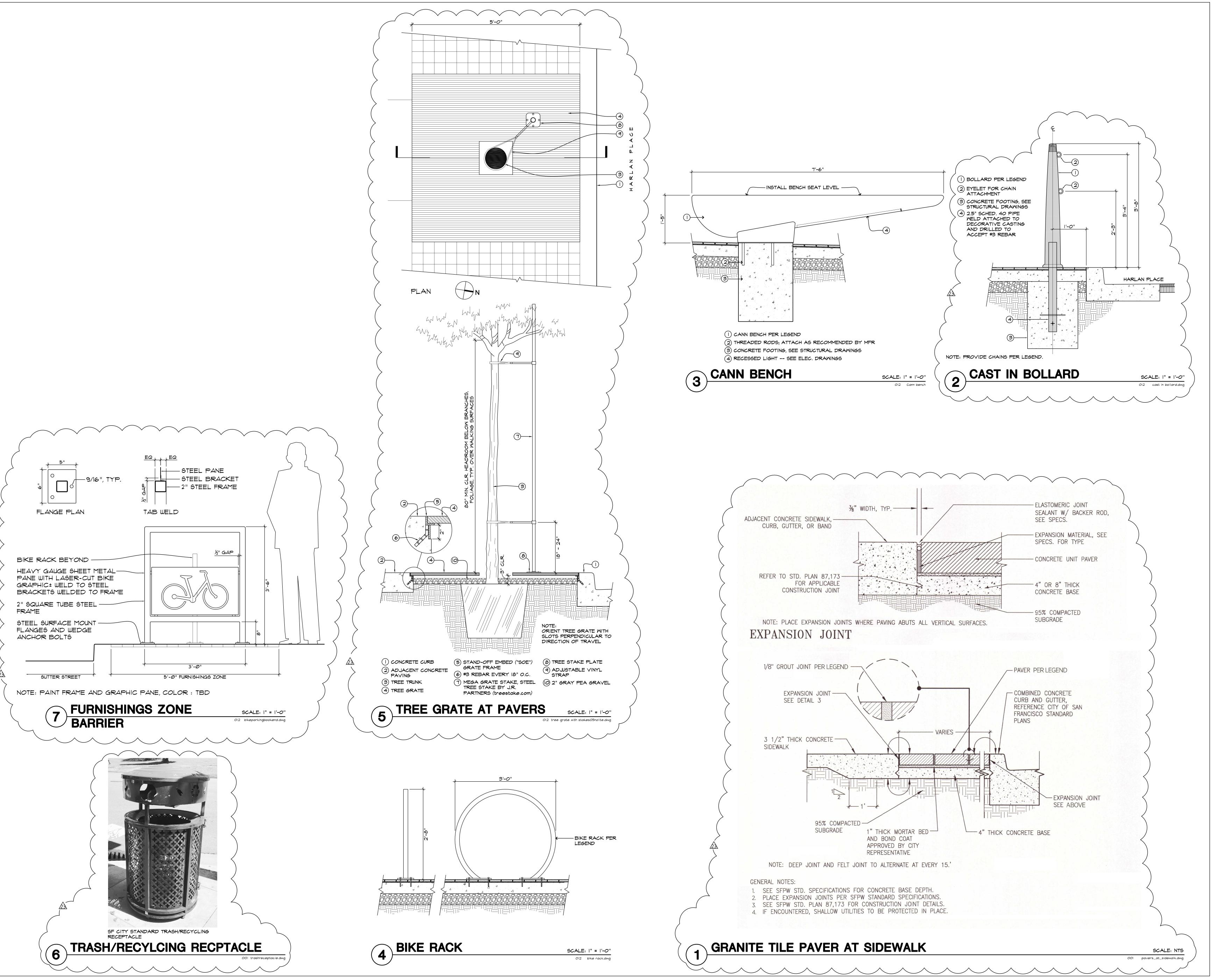
20 JAN 20 RFI 316 /\ 30 JAN 20 BULLETIN 27 - SFPUC REV

49850

Drawing Title STREET LEVEL LANDSCAPE AND



LAYOUT PLAN





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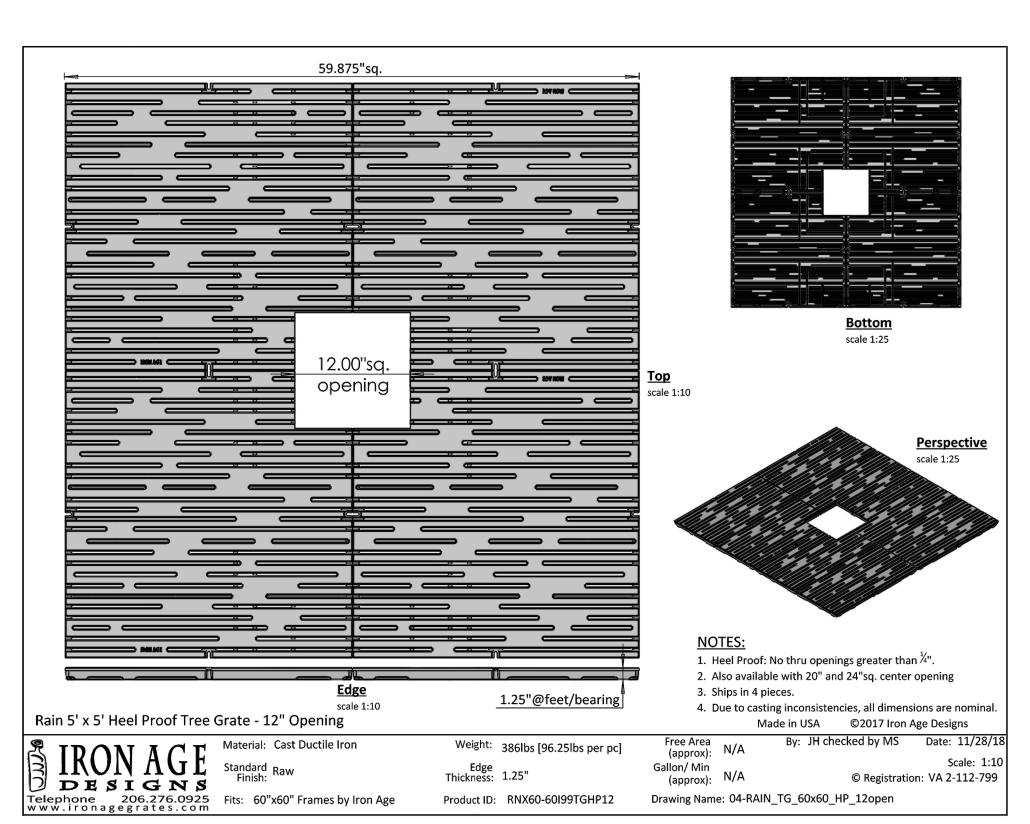
19 SEP 19 City Comment Response 08 NOV 19 City Comment Response 19 NOV 19 City Comment Response

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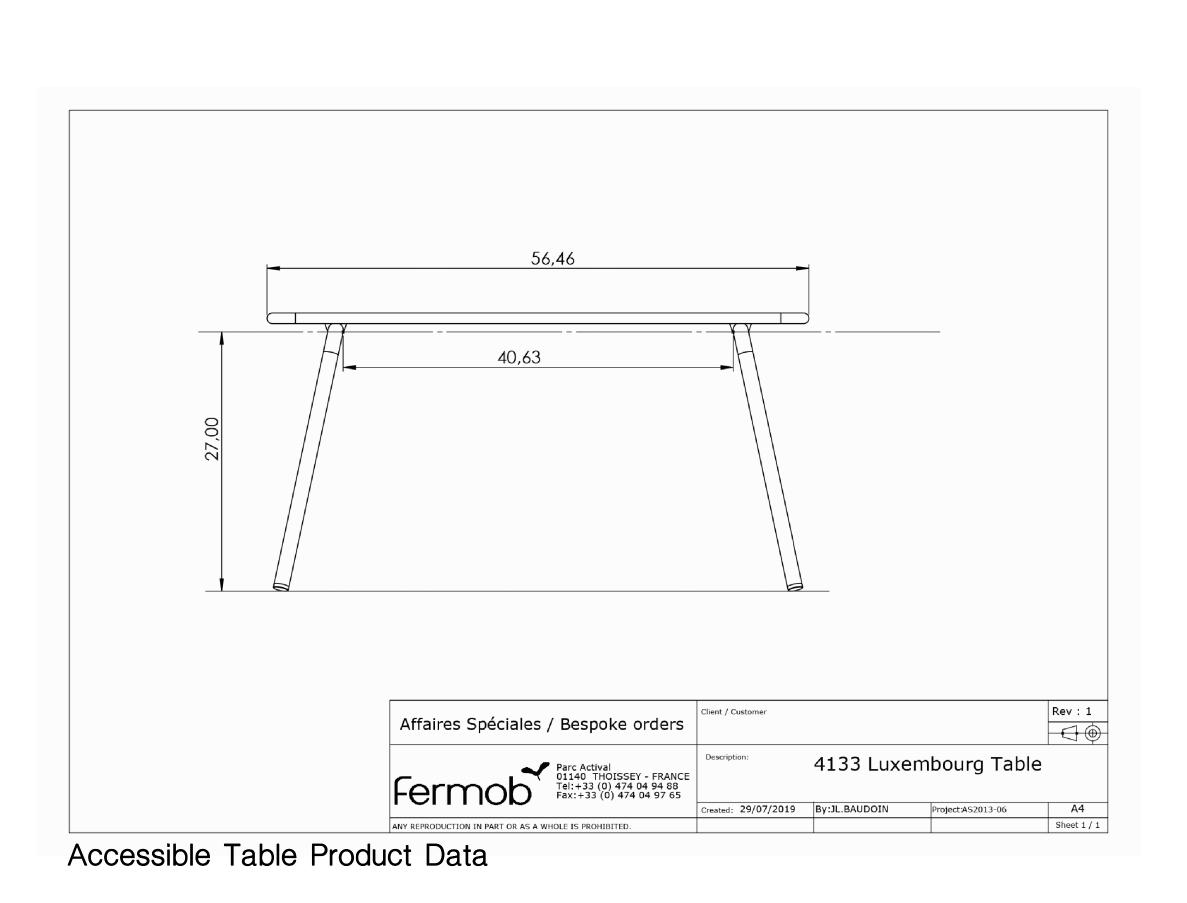
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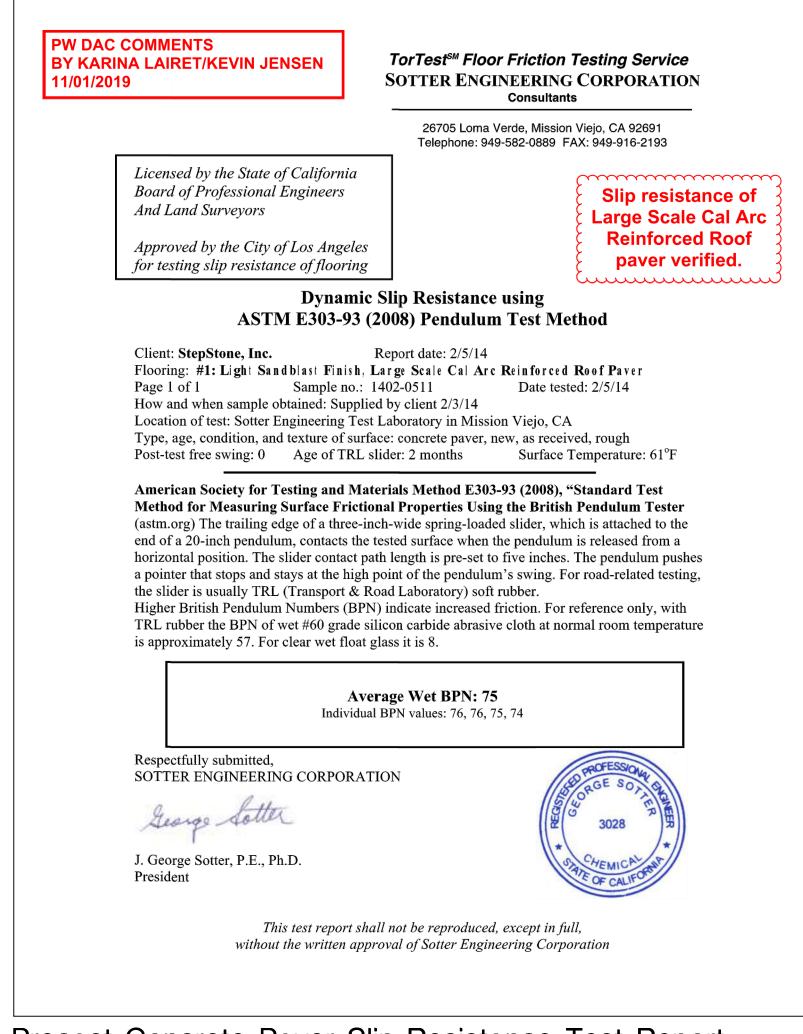
Drawing Title
LANDSCAPE DETAILS

Drawing No.

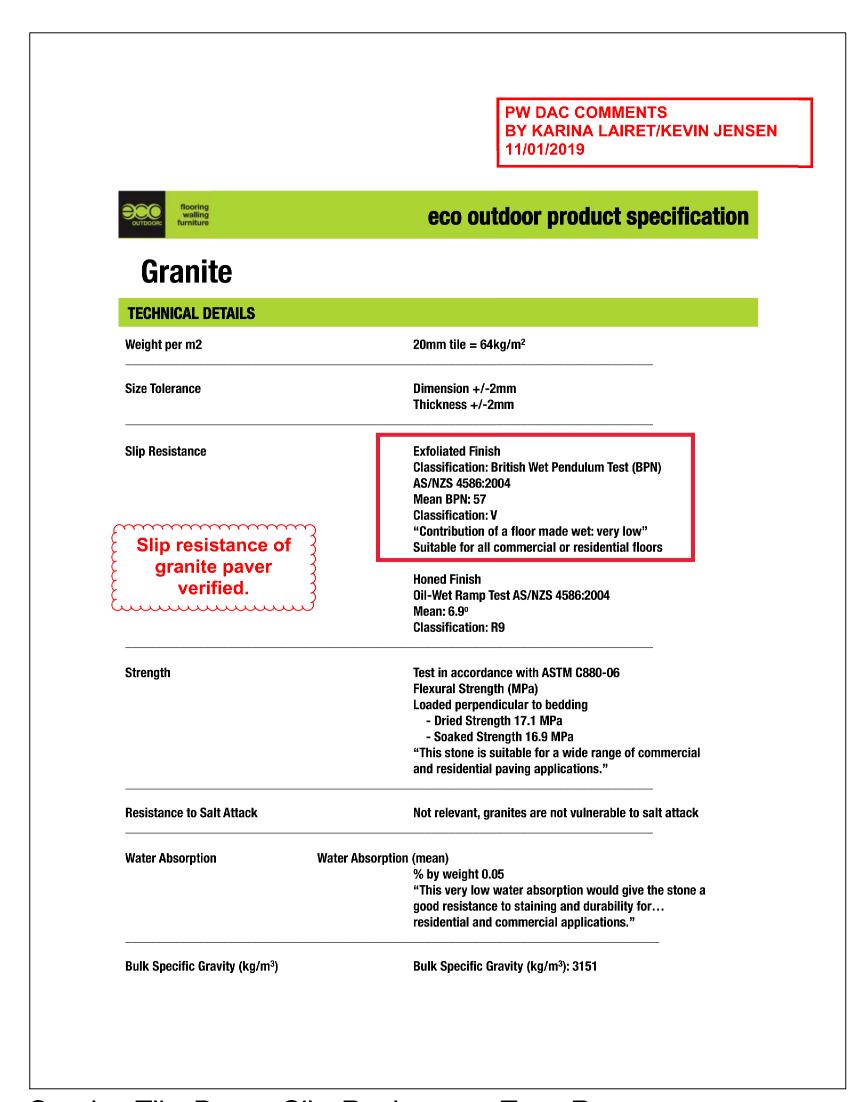


Tree Grate Product Data





Precast Concrete Paver Slip-Resistance Test Report



Granite Tile Paver Slip-Resistance Test Report



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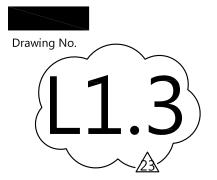
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Project	49850	
Scale		

Drawing Title
TEST REPORTS AND PRODUCT

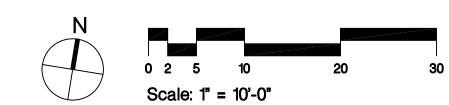


IDDICATION WATERING SOLIERIUE

	BUBBLER IRRIGATION FOR MODERATE WATER-USE TREES													
SPRINKLER MANUFACTURER			RAIN B	IRD	LOCATION				VCISCO, CA	ALIFORNIA				
PRECIPITATION RATE (INCHES	S/HOUR):		1.50		BUBBLER SPACING:			VARIES						
IRRIGATION SYSTEM EFFICIENC	CY		0.81		FLOW (GP	'M):		0.25 X 2						
PLANT FACTOR:			0.50											
YEAR 2 REDUCTION AMOUNT:	}		-10% (OF YEAR	1 (ESTAB	LISHMENT)	RUN TIM	E MINUTES						
						•								
	MONTH:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MON	TH (INCHES):	1.50	1.30	2.40	3.00	3.70	4.60	4.90	4.80	4.10	2.80	1.30	0.70	35.10
eto per Wei	EK (INCHES):	0.346	0.300	0.554	0.693	0.855	1.062	1.132	1.109	0.947	0.647	0.300	0.162	
APPLIED ETO PER WEI	EK (INCHES):	0.214	0.185	0.342	0.428	0.527	0.656	0.699	0.684	0.584	0.399	0.185	0.100	
MINUTES OF WATER	YEAR 1	9	7	14	17	21	26	28	27	23	16	7	4	
PER WEEK:	YEAR 2	8	7	12	15	19	24	25	25	21	14	7	4	
DAVO DED WEEK	YEAR 1	1	1	2	2	2	2	2	2	2	2	1	1	
DAYS PER WEEK:	YEAR 2	1	1	2	2	2	2	2	2	2	2	1	1	
MINUTES OF WATER	YEAR 1	9	7	7	9	11	13	14	14	12	8	7	4	
PER DAY:	YEAR 2	8	7	6	8	9	12	13	12	11	7	7	4	
	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
CYCLES PER DAY:	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 1	9	7	7	9	11	13	14	14	12	8	7	4	
MINUTES PER CYCLE:	YEAR 2	8	7	6	8	9	12	13	12	11	7	7	4	

ESTIMATED WEEKLY WATER REQUIREMENTS FOR ESTABLISHED PLANT MATERIAL. THE FIGURES SHOWN IN THIS SCHEDULE ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM LOCAL CURRENT AVERAGES FOR EVAPOTRANSPIRATION, AND REFLECT MAXIMUM IRRIGATION REQUIREMENTS OF THE PLANT MATERIAL BASED ON PLANT TYPE AND SPACING. ACTUAL RUN TIMES MAY BE DIFFERENT DEPENDING ON A VARIETY OF FACTORS INCLUDING TOPOGRAPHY, SOIL STRUCTURE, SUN AND WIND EXPOSURE, WEATHER, ACTUAL PLANT WATER REQUIREMENTS, ETC.





DICKSON & ASSOCIATES, INC. LANDSCAPE IRRIGATION

MARTY DICKSON, ASIC-PIC TEL(530) 547-5515 www.dicksoninc.net P.O. BOX 415 PALO CEDRO, CALIFORNIA 96073 Dickson & Associates, Inc.



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<u>∕</u>3 10 DEC 19 BULLETIN 23 - ROW REV

No. Date

Drawing Title

BASMENET LEVEL IRRIGATION PLAN, LEGEND & SCHEDULES



IRRIGATION LEGEND

SYMBOL | MODEL NUMBER

1401

RWS-B-C-1401

100-EFB-CP

Γ-113-LF

975XL2-1"

IC-600-M

IRRIGATION NOTES

SLOPES, SUN, SHADE, AND WIND EXPOSURES.

10. LOCATE BUBBLERS ON UP-HILL SIDE OF TREE.

DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.

14. PRESSURE TEST PROCEDURE. THE CONTRACTOR SHALL:

UNTIL TEST CONDITIONS ARE MET.

RETEST AFTER CORRECTING DEFECTS.

B. PERFORM TESTING AT HIS OWN EXPENSE.

NO FITTING SHALL BE COVERED.

TO THE OWNER'S AUTHORIZED REPRESENTATIVE.

FOR DIRECTION AND POSSIBLE REVISION.

18. RECORD DRAWINGS:

A. NOTIFY ARCHITECT AT LEAST THREE (3) DAY IN ADVANCE OF TESTING.

ACCURATELY FROM BUILDING WALLS ON ALL RECORD DRAWINGS.

IRRIGATION COORDINATION NOTES

COORDINATE WITH ARCHITECT FOR RAIN SWITCH LOCATION AND CONDUIT ROUTING.

PRINTS TO SHOW THE AS-BUILT CONDITIONS.

PIPE INTO PLANTER SHALL BE 24" BELOW FINISH GRADE.

PLANT HEALTH.

EACH SYSTEM.

PREVENTION DEVICE.

SOLAR-SYNC SEN

DESCRIPTION

(LEAD FREE)

PRECIPITATION RATE

RAIN BIRD BUBBLER (TREE)

ASSEMBLY AND CHECK VALVE (TREE)

RAIN BIRD BRASS REMOTE CONTROL VALVE

NIBCO GATE VALVE -LEAD FREE (LINE SIZE)

HUNTER I-CORE CONTROLLER (WALL MOUNT)

REMOTE CONTROL VALVE SIZE AND FILTER SIZE

SH - SHRUB & GROUNDCOVER/HIGH WATER SM - SHRUB & GROUNDCOVER/MODERATE WATER SL - SHRUB & GROUNDCOVER/LOW WATER

SEE PLANT WATER REQUIREMENT INFORMATION BELOW

COPPER SOLDER JOINT FITTINGS. ROUTING AND INSTALLATION THROUGH STRUCTURE SHALL BE PROVIDED UNDER PLUMBING

SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 18" COVER. 24" COVER UNDER VEHICULAR

1120-SCHEDULE 40 PVC PLASTIC PIPE. COVER TO BE AS INDICATED IN

SPECIFICATIONS OR AS INDICATED ABOVE

LATERAL LINE: 1120-SCHEDULE 40 PVC PLASTIC PIPE WITH

FOR PIPE DEPTH OF COVER.

HUNTER SOLAR SYNC WEATHER SENSOR

CONTROLLER & STATION NUMBER

APPROXIMATE FLOW (GPM)

LH - LAWN/HIGH WATER

LL - LAWN/LOW WATER

TH - TREE/HIGH WATER TM - TREE/MODERATE WATER TL - TREE/LOW WATER

O- - COPPER PIPE: TYPE 'K' COPPER PIPE WITH WROUGHT

SLEEVING:

THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS WHERE POSSIBLE. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAY BE

REQUIRED. THE CONTRACTOR IS REQUIRED TO INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF THE

CONSIDERED IN THE ENGINEERING. IN THE EVENT OF FIELD DIFFERENCES, THE CONTRACTOR IS REQUIRED TO PLAN THE

INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND

ARE NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REQUIRED REVISIONS.

INSTALL IRRIGATION PIPING PARALLEL TO AND DIRECTLY OVER OTHER UTILITIES.

ACCORDING TO THE CONTRACT SPECIFICATION. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY AND COORDINATE IRRIGATION

CONTRACT WORK WITH ALL APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURE, ETC., BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS

2. THE CONTRACTOR SHALL EXERCISE CARE IN LOCATING PIPING AS TO NOT CONFLICT WITH OTHER UTILITIES. DO NOT

3. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD

4. IT IS THE RESPONSIBILITY OF THE LANDSCAPE MAINTENANCE CONTRACTOR AND/OR OWNER TO PROGRAM THE IRRIGATION CONTROLLERS TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL WATER REQUIREMENTS, MOUNDS AND

MAINTENANCE OF THE IRRIGATION SYSTEM TO ENSURE THE EFFICIENT USE OF WATER. MAINTENANCE SHALL INCLUDE, BUT NOT BE

6. 120 VOLT A.C. (2.5 AMP DEMAND PER CONTROLLER) ELECTRICAL SERVICE TO IRRIGATION CONTROLLER LOCATION TO BE PROVIDED UNDER ELECTRICAL CONTRACT WORK. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL

8. CONTRACTOR SHALL PROGRAM THE IRRIGATION CONTROLLER TO PROVIDE IRRIGATION TO ALL PLANTING WITHIN THE ALLOWED WATERING WINDOW OF TIME AS REQUIRED. THE CONTRACTOR SHALL CREATE CONTROLLER PROGRAMING THAT WILL NOT EXCEED THE MAXIMUM GALLONS PER MINUTE FLOW RATE STATED ON THE DRAWINGS, AND NOT EXCEED THE CAPACITY OF ANY MAINLINE

9. THE IRRIGATION CONTRACTOR SHALL FLUSH ALL SYSTEMS FOR OPTIMUM PERFORMANCE AND COVERAGE OF THE LANDSCAPE AREA. THIS SHALL INCLUDE ADJUSTING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR

11. INSTALL A FLO CONTROL (NDS) 1002 SERIES SPRING LOADED CHECK VALVE BELOW THOSE BUBBLERS WHERE LOW HEAD

12. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATION IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR SHALL BE

DONE BY HAND. TRENCHES ADJACENT TO TREE SHOULD BE CLOSED WITHIN TWENTY-FOUR (24) HOURS; AND WHERE THIS IS NOT

13. IRRIGATION CONTRACTOR TO NOTIFY ALL LOCAL JURISDICTIONS FOR INSPECTION AND TESTING OF INSTALLED BACKFLOW

C. CENTER LOAD PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE.

1. TEST LIVE (CONSTANT PRESSURE) AND QUICK COUPLER LINE HYDROSTATICALLY AT 125 PSI MINIMUM. LINES WILL

BE APPROVED IF TEST PRESSURE IS MAINTAINED FOR SIX (6) HOURS. THE LINE WILL BE APPROVED OR NOT APPROVED AS SUCH RESULTS MAY INDICATE. THE CONTRACTOR SHALL MAKE TESTS AND REPAIRS AS NECESSARY

2. TEST RCV CONTROLLED LATERAL LINES WITH WATER AT LINE PRESSURE AND VISUALLY INSPECT FOR LEAKS.

15. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION

16. IRRIGATION DEMAND: 2 GPM AT 50 PSI STATIC PRESSURE AT IRRIGATION POINT OF CONNECTION. FIELD VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF ACTUAL WATER PRESSURE DIFFERS FROM THE STATED PRESSURE CONTACT ARCHITECT

A. THE CONTRACTOR SHALL MAINTAIN IN GOOD ORDER IN THE FIELD OFFICE ONE COMPLETE SET OF BLACK LINE PRINTS OF ALL SPRINKLER DRAWINGS WHICH FORM A PART OF THE CONTRACT, SHOWING ALL WATER LINES, SPRINKLERS, VALVES, CONTROLLERS AND STUB-OUTS. IN THE EVENT ANY WORK IS NOT INSTALLED AS INDICATED ON THE DRAWINGS, SUCH WORK SHALL BE CORRECTED AND DIMENSIONED ACCURATELY FROM THE BUILDING WALLS.

B. ALL UNDERGROUND STUB-OUTS FOR FUTURE CONNECTIONS AND VALVES SHALL BE LOCATED AND DIMENSIONED

C. UPON COMPLETION OF THE WORK, OBTAIN REPRODUCIBLE PRINTS FROM ARCHITECT AND NEATLY CORRECT THE

1. ALL COPPER PIPING WITHIN STRUCTURE TO BE PROVIDED, ROUTED, AND INSTALLED BY PLUMBING CONTRACTOR. EXIT OF

300 GRANT/A/JOB/18-230/L2.1 STREET IRR / L2.1 /SYMBOL SIZE: 120 /01-22-2019 LMD

2. CONDUIT FOR CONTROL WIRE AND WEATHER SENSOR WIRE SHALL BE INSTALLED UNDER ELECTRICAL CONTRACT WORK.

17. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL T+2, CHRISTY'S ULTRA SEAL, OR APPROVED EQUAL.

D. APPLY THE FOLLOWING TESTS AFTER WELD PLASTIC PIPE JOINTS HAVE CURED AT LEAST 24 HOURS.

POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH BURLAP OR CANVAS.

5. AT THE END OF THE REQUIRED MAINTENANCE PERIOD OF THE CONTRACTOR, THE OWNER SHALL PROVIDE REGULAR

STUB-OUT TO CONTROLLERS AND PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS.

7. EACH IRRIGATION CONTROLLER TO HAVE ITS OWN INDEPENDENT 24 VOLT COMMON GROUND WIRE.

LIMITED TO CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT AND CONTROL SYSTEM.

CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES WHICH MAY NOT HAVE BEEN

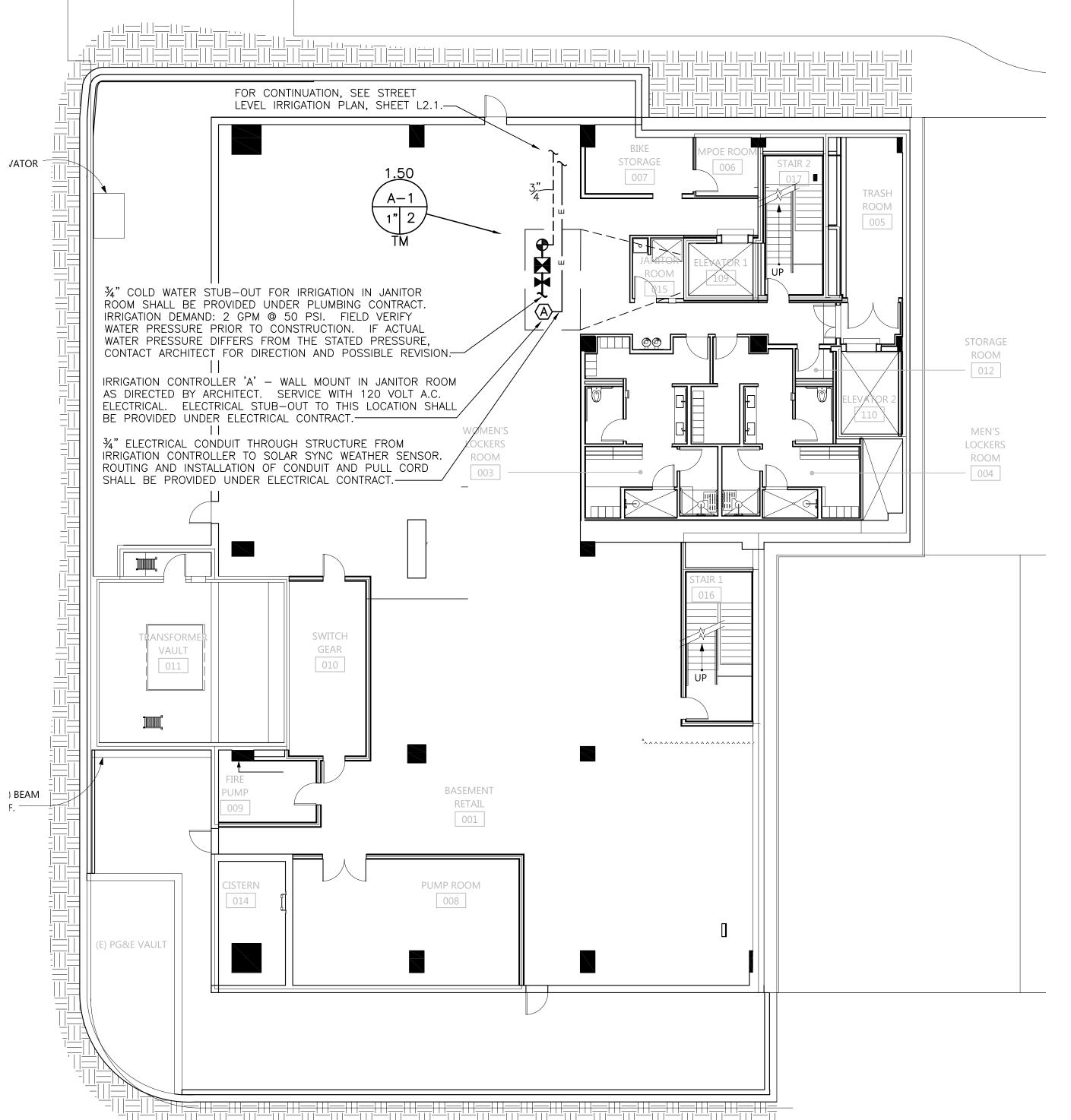
LM - LAWN/MODERATE WATER

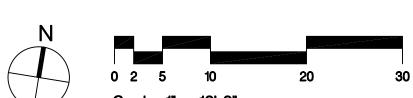
WILKINS REDUCED PRESSURE BACKFLOW ASSEMBLY

RAIN BIRD BUBBLER WITH DEEP WATERING BUBBLER

RRIGATION WATERING SCHEDULE														
BUBBLER IRRIGATION FOR	R MODERA	ATE WAT	TER-USE	TREES										
PRINKLER MANUFACTURER			RAIN B	IRD	LOCATION:	:	•	SAN FRAN	ICISCO, CA	LIFORNIA				
RECIPITATION RATE (INCHES/	HOUR):		1.50		BUBBLER	SPACING:		VARIES				,		
RRIGATION SYSTEM EFFICIENCY	1		0.81		FLOW (GP	M):		0.25 X 2						
LANT FACTOR:			0.50			•								
EAR 2 REDUCTION AMOUNT:			-10% C	F YEAR	1 (ESTAB	LISHMENT)	RUN TIME	MINUTES						
	MONTH:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
eto per Month	I (INCHES):	1.50	1.30	2.40	3.00	3.70	4.60	4.90	4.80	4.10	2.80	1.30	0.70	35.10
eto per week	(INCHES):	0.346	0.300	0.554	0.693	0.855	1.062	1.132	1.109	0.947	0.647	0.300	0.162	
APPLIED ETO PER WEEK	(INCHES):	0.214	0.185	0.342	0.428	0.527	0.656	0.699	0.684	0.584	0.399	0.185	0.100	
INUTES OF WATER	YEAR 1	9	7	14	17	21	26	28	27	23	16	7	4	
PER WEEK:	YEAR 2	8	7	12	15	19	24	25	25	21	14	7	4	
MAYO DED WEEK	YEAR 1	1	1	2	2	2	2	2	2	2	2	1	1	
AYS PER WEEK:	YEAR 2	1	1	2	2	2	2	2	2	2	2	1	1	
INUTES OF WATER	YEAR 1	9	7	7	9	11	13	14	14	12	8	7	4	
	YEAR 2	8	7	6	8	9	12	13	12	11	7	7	4	
VOLES DED DAY.	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
CYCLES PER DAY:	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
ANUTES DED OVOLE	YEAR 1	9	7	7	9	11	13	14	14	12	8	7	4	
INUTES PER CYCLE:	YEAR 2	8	7	6	8	9	12	13	12	11	7	7	4	

NOTES:
THE CHARTS ARE INTENDED TO BE USED AS A GUIDELINE ONLY AND INDICATE APPROXIMATE RUN TIMES (IN MINUTES) FOR EACH ZONE BASED ON





2. SLEEVE IS TO EXTEND 12" BEYOND EDGE OF PAVING.

- IRRIGATION SLEEVE

-IRRIGATION CONTROL

HARDSCAPE SURFACE

PVC LATERAL OR MAINLINE-

SLEEVING INSTALLATION

NOT TO SCALE

COMPACTED SUBGRADE -

(DRIVEWAY, WALK, ETC.)—

REFER TO LANDSCAPE

1/2" SCHEDULE 40 PVC MALE

ADAPTER (GRAY). MALE ADAPTER MUST
BE GRAY IN COLOR. WHITE PVC SHALL
NOT BE INSTALLED AT THIS LOCATION.

SxSxT SCHEDULE 40 PVC TEE OR SxT ELL IN PVC LATERAL LINE

1/2" SCHEDULE 40 PVC MALE ADAPTER—

PLANTING DRAWINGS FOR DEPTH OF MULCH COVER

BUBBLER —

1/2" IPS FLEXIBLE PVC HOSE (.840 \

O.D.) USE ONLY IPS WELD ON # 795

SOLVENT CEMENT ON THIS HOSE.

TREE ROOT BALL

TREE BUBBLER

NOT TO SCALE

ROUND PLASTIC DRAIN GRATE

SWING PIPE

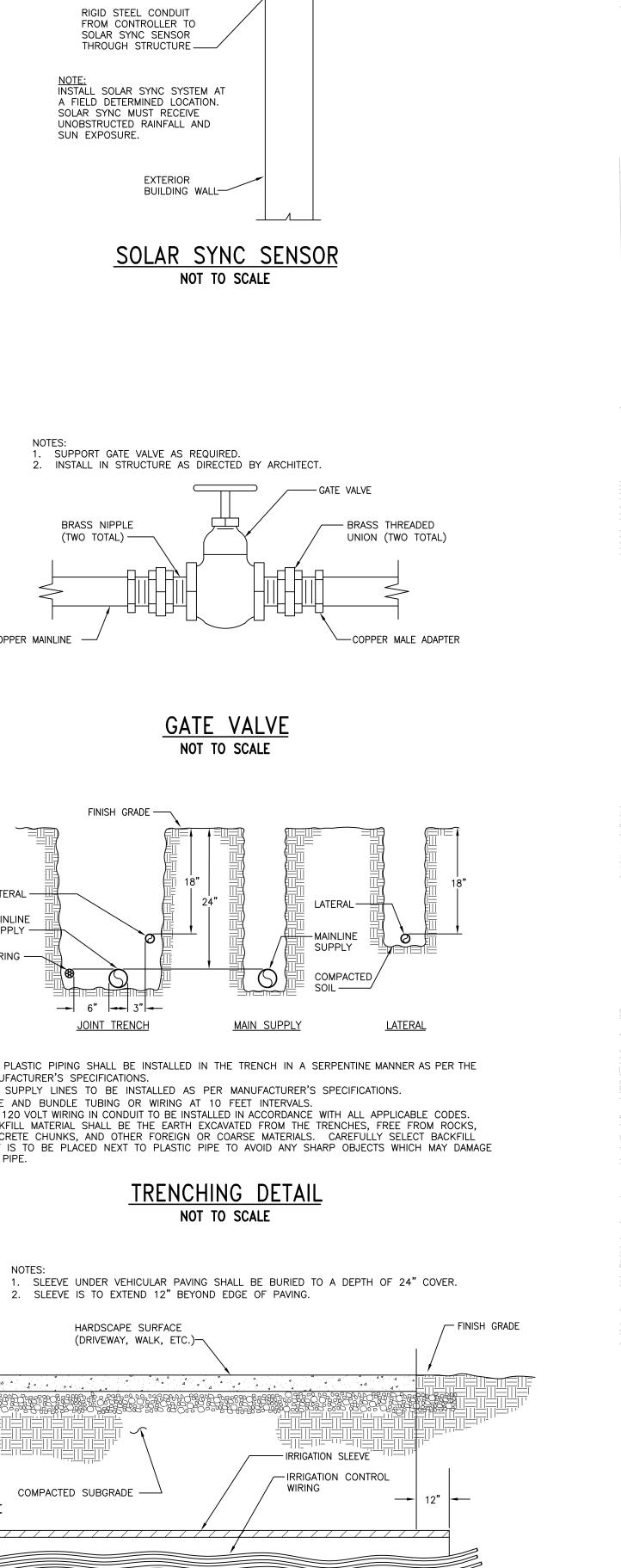
└─4" x 36" DEEP ROOT WATERING

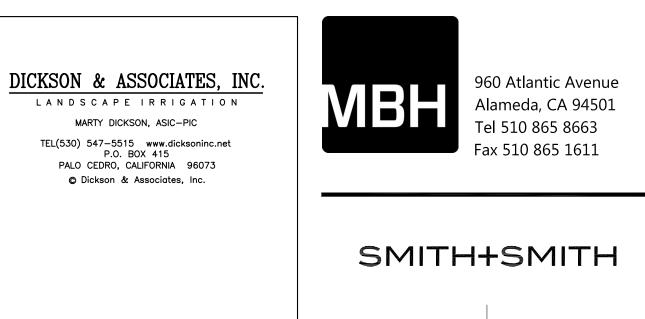
AND 1/2" MALE NPT INLET.

SYSTEM WITH BUBBLER, 12" SWING

ASSEMBLY, CHECK VALVE, GRATE,

- FINISH GRADE

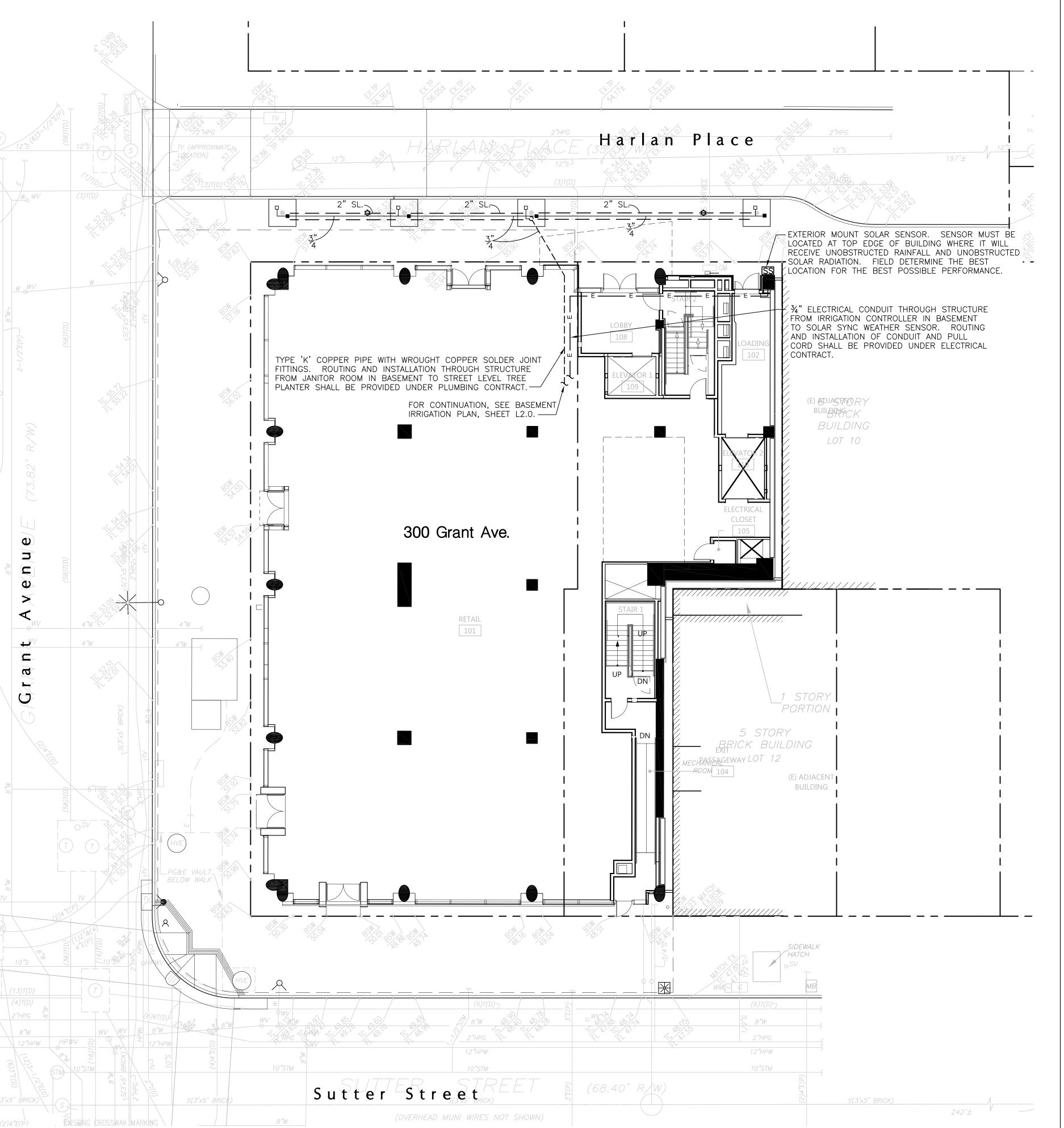




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- 1				
		No.	Date	Issue
			07 APR 17	SITE PERMIT COMMENT
	_		14 JULY 17	SITE PERMIT COMMENT
			19 JULY 17	SITE PERMIT COMMENT
	_		08 SEP 17	ADDENDUM D
			13 FEB 18	REVISED PLAN PLACE
	_		05 SEP 18	DESIGN DEVELOPMENT

10 OCT 18 BULLETIN 3 03 DEC 18 DPW PC Response 10 JAN 19 Landscape Bulletin 28 JAN 19 Bulletin 8

26 MAR 19 Site Addenda #12 - Landscape 19 SEP 19 City Comment Response 08 NOV 19 City Comment Response

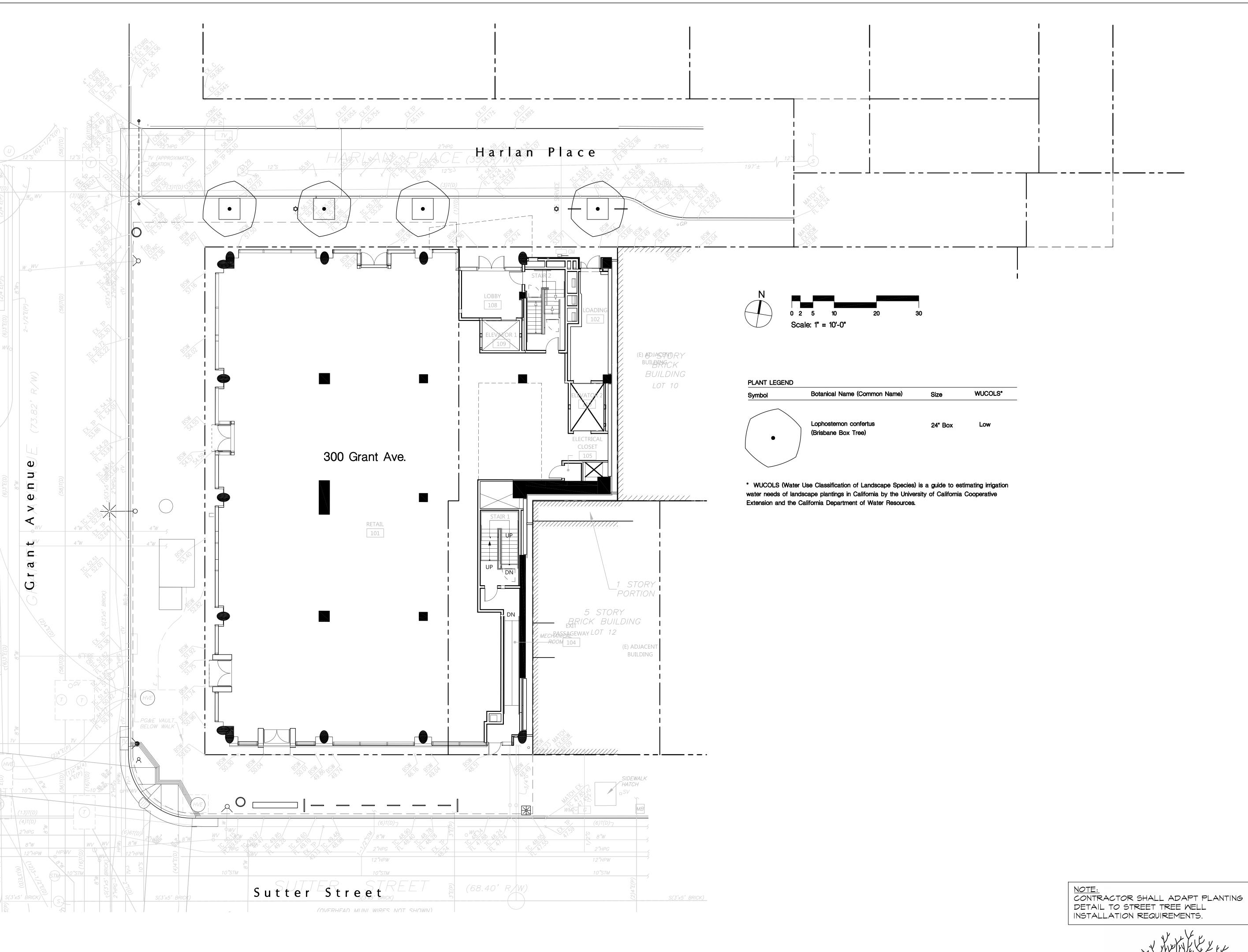
19 NOV 19 City Comment Response 10 DEC 19 BULLETIN 23 - ROW REV

49850

Drawing Title STREET LEVEL IRRIGATION PLAN



300 GRANT/A/JOB/18-230/L2.1 STREET IRR / L2.1 /SYMBOL SIZE: 120 /01-22-2019 LMD

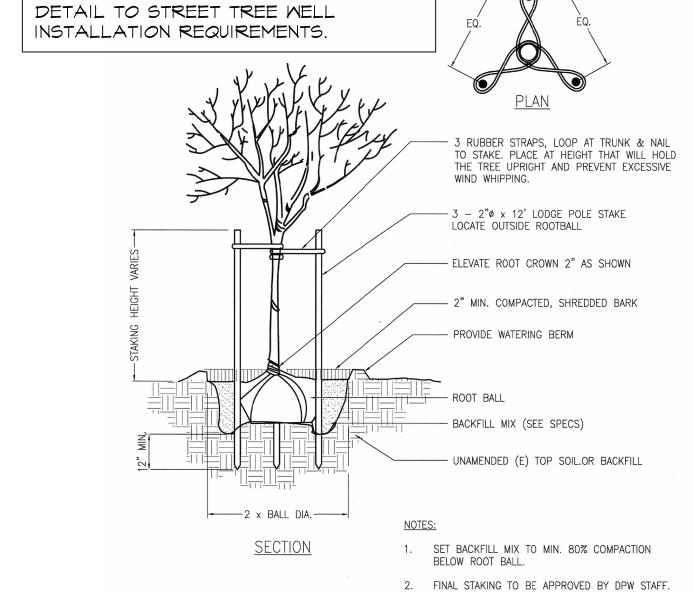


Planting Notes

- 1. Landscape contractor is to identify and report any discrepancies between the plans and the actual field conditions to the Landscape Architect prior to beginning work.
- 2. The Landscape Contractor shall verify the location of underground utilities and bring any conflicts with plant material locations to the attention of the Landscape Architect for a decision before proceeding with the work. Any utilities shown on the Landscape drawings are for reference and coordination purposes only. See Civil
- 3. Contractor is to submit color photographs in digital format of each required species and size of plant material specified. Photographs are to be of the actual plants to be used. Take photographs from angles depicting the true sizes and conditions of the plants to be furnished. Include a scale rod or other measuring device in each photograph. For species where more than twenty (20) plants are used, include a minimum of three (3) photographs of that plant
- type showing the average plant, the best quality plant and the worst quality plant to be provided. Identify each photograph with the full botanical name of the plant, the container size and the name of the nursery providing the
- 4. Plants shall be subject to review and approval by the Landscape Architect at the project site upon delivery for conformity to specifications. Such approvals shall not impair future right of review and rejection during progress of the work. Submit to the Landscape Architect written requests for review of plant materials at the project site. Written request shall state the types and quantities of plants to be reviewed. The Landscape Architect reserves the right to refuse review at this time if, in his judgment, a sufficient quantity of plants is not available.
- 5. All work should be performed by persons familiar with planting work and under supervisions of a qualified planting foreman.
- 6. Plant material locations shown are diagrammatic and may be subject to change in the field by the Landscape Architect before the maintenance period begins.
- 7. The Landscape Architect reserves the right to make substitutions, additions and deletions in the planting scheme as felt necessary while work is in progress. Such changes are to be accompanied by equitable adjustments in the contract price if/when necessary and subject to the Owner's approval.
- 8. All planting areas shall be top-dressed with mulch as shown. Submit mulch sample(s) to Landscape Architect for review prior to ordering. Hold mulch six (6) inches from tree and shrub trunks.
- 9. Plants shall be installed to anticipate settlement. See Tree and Shrub Planting details.
- 10. The project has been designed to make efficient use of water through the use of drought tolerant plant materials. Deep rooting shall be encouraged by deep watering plant

material as a part of normal landscape maintenance. The irrigation for all planting shall be limited to the amount required to maintain adequate plant health and growth. Water usage should be decreased as plants mature and become established. The irrigation schedules shall be adjusted as necessary to reflect changes in weather and plant requirements. See irrigation notes, calculations and schedules.

- 11. Install all plants per locations and patterns shown on the
- 12. The Maintenance Period(s) shall be for 90 (ninety) days. Portions of the installed landscape of a project may be placed on a maintenance period prior to the completion of the project at the owner's request and with the Owner's concurrence.
- 13. Contractor to verify drainage of all tree planting pits. See Planting specifications. Install drainage well per specification if the tree planting pit does not drain at rate specified.



SF STREET TREE PLANTING

SCALE : N.T.S.



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49850

Drawing Title STREET LEVEL PLANTING PLAN,

Drawing No.

LEGEND AND DETAIL