EXHIBIT 1 CONCEPTUAL PROJECT PLANS

MILL STREET PROJECT



NOTE: THESE PLANS ARE TO PROVIDE CONCEPTUAL DETAILS (NOT FOR CONSTRUCTION)
DESIGN BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL DESIGN AND CONSTRUCTION

PROJECT DIRECTORY

CLIENT

CITY OF GRASS VALLEY 125 E. MAIN STREET GRASS VALLEY, CA 95945

LANDSCAPE ARCHITECT

ATLAS LAB INC. 1610 R STREET, SUITE 300 SACRAMENTO, CA 95811

CIVIL ENGINEER

BKF ENGINEERS 980 9TH STREET, SUITE 2300 SACRAMENTO, CA 95814

ARCHITECT

MOGAVERO ARCHITECTS 1331 T STREET SACRAMENTO, CA 95811







ATLAS
LAB atlaslab.com
1610 R Street, Suite 300 Landscape Architecture
Sacramento, CA 95811 Community Development
916.290.9366 Public Art

REET PROJEC

OJECT INFO

NAME: MILL STREET PROJECT
CLIENT: CITY OF GRASS VALLE
PROJECT NUMBER: 0069

SUBMITTAL DESCRIPTIO

CONCEPTUAL PLANS

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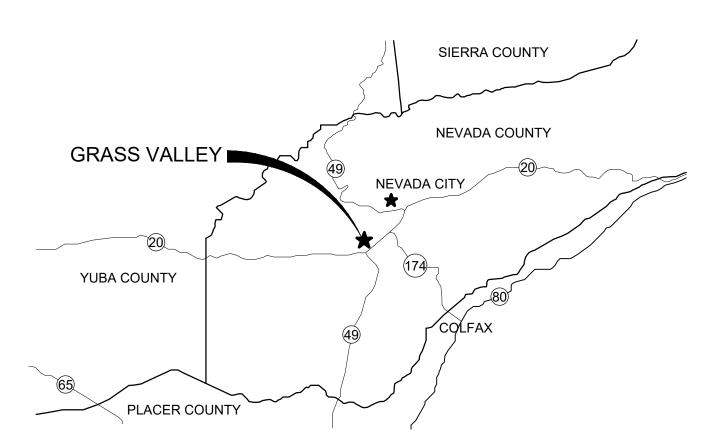
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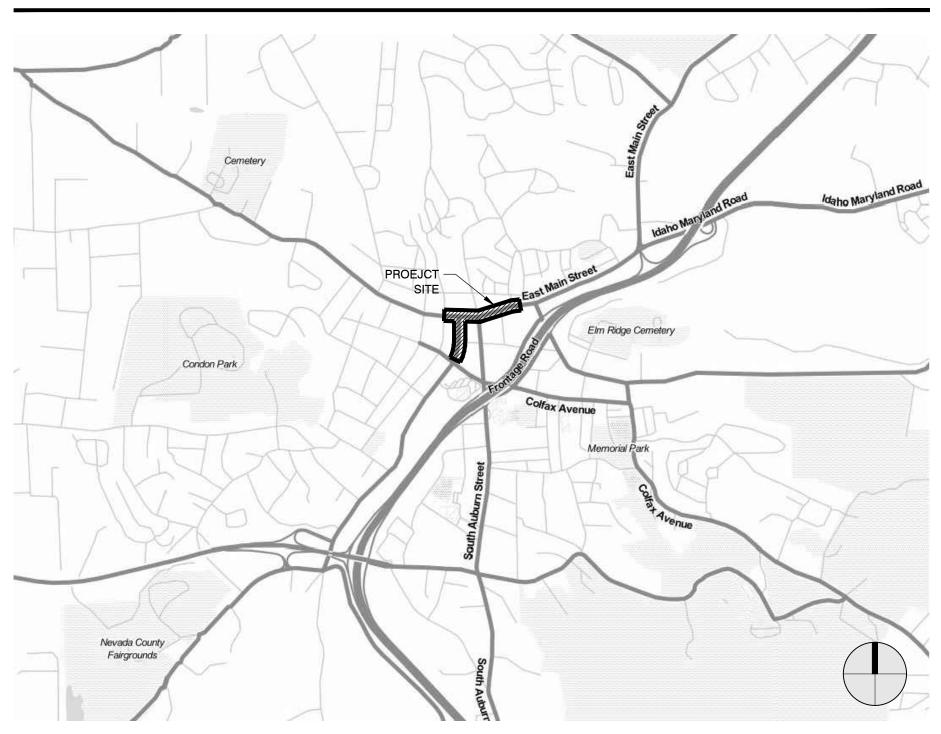
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ABBREVIATIONS

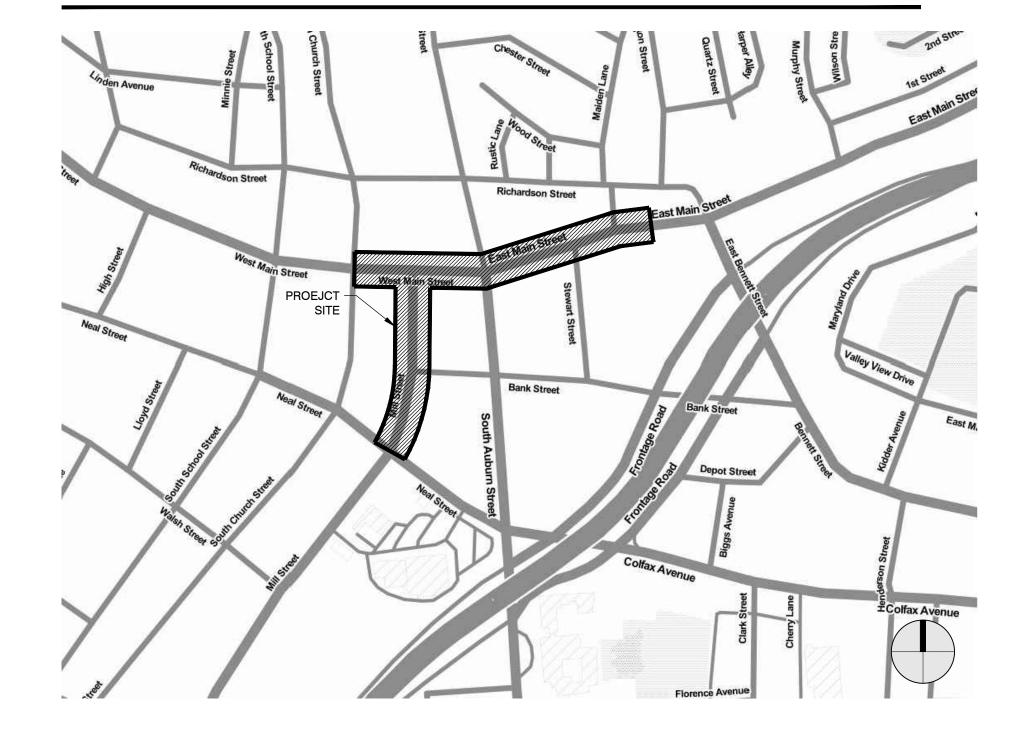
AB	AGGREGATE BASE	OD	OUTSIDE DIAMETER
AC	ASPHALT CONCRETE	₽CC	PORTLAND CEMENT CONCRETI
C&G	CURB AND GUTTER	(P)	PROPERTY LINE
CF	CUBIC FOOT	Р	PROPOSED
Ę.	CENTERLINE	PSI	POUNDS PER SQUARE INCH
CY	CUBIC YARD	PUE	PUBLIC UTILITY EASEMENT
E	ELECTRIC	PVC	POLYVINYL CHLORIDE
(E)	EXISTING	PVMT	PAVEMENT
ELEV	ELEVATION	R	RADIUS
EP	EDGE OF PAVEMENT	RCP	REINFORCED CONCRETE PIPE
FL	FLOW LINE	RW	RETAINING WALL
FT	FEET	ROW	RIGHT OF WAY
FTG	FOOTING	SD	STORM DRAIN
G	GAS	SF	SQUARE FOOT
ID	INSIDE DIAMETER	SY	SQUARE YARD
ΙE	INVERT ELEVATION	ST	STREET
L	LEFT	STA	STATION
LF	LINEAR FOOT	STD	STANDARD
LOW	LIMIT OF WORK	SW	SIDEWALK
MAX	MAXIMUM	SS	SANITARY SEWER
MH	MANHOLE	TBC	TOP BACK OF CURB
MIN	MINIMUM	TBW	TOP BACK OF WALK
MISC	MISCELLANEOUS	TFC	TOP FACE OF CURB
NO	NUMBER	TC	TOP OF CURB
NTS	NOT TO SCALE	TP	TELEPHONE POLE
		TS	TRAFFIC SIGNAL
		TYP	TYPICAL



VICINITY MAP



LOCATION MAP



GENERAL NOTES

1. THE CONTRACTOR SHALL POSSESS A VALID CALIFORNIA CLASS A CONTRACTORS LICENSE, OR A COMBINATION OF THE FOLLOWING CLASSES, (C-7 LOW-VOLTAGE SYSTEMS, C-8 - CONCRETE CONTRACTOR, C-10 ELECTRICAL, C-12 - EARTHWORK AND PAVING CONTRACTOR, C-13 FENCING, C-27 LANDSCAPING, C-31 CONSTRUCTION TRAFFIC CONTROL, C-32 PARKING AND HIGHWAY IMPROVEMENT, C-34 PIPELINE, C-36 - PLUMBING CONTRACTOR AND D63 - CONSTRUCTION CLEANUP) AT THE TIME OF THE BID AWARD, AND THE LICENSE SHALL REMAIN IN EFFECT THROUGHOUT THE TERM OF THIS CONTRACT.

THE DESIGNER SHALL BE A LICENSED PROFESSIONAL CIVIL ENGINEER AND COMBNATION OF OTHER LICENSED PROFESSIONALS THAT WILL BE REQUIRED TO DESIGN THE PROPOSED IMPROVEMENTS TO CURRENT STANDARDS AND THE LICENSES SHALL REMAIN IN EFFECT THROUGHOUT THE TERM OF THIS AGREEMENT.

- 2. THE CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO LATEST EDITIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD PLANS, THE IMPROVEMENT STANDARDS AND STANDARD DRAWINGS OF THE CITY OF GRASS VALLEY AND THE CALIFORNIA MUTCD. IN CASE OF CONFLICT, REFER TO THE PROJECT SPECIAL PROVISIONS FOR ORDER OF PRECEDENCE.
- THE CITY OF GRASS VALLEY HAS MADE EVERY EFFORT TO SHOW LOCATIONS OF ANY AND ALL EXISTING SURFACE AND SUBSURFACE STRUCTURES. HOWEVER, ACTUAL FIELD CONDITIONS AND LOCATIONS CAN VARY CONSIDERABLY FROM PLAN LOCATIONS. THEREFORE, THE CITY OF GRASS VALLEY CANNOT, AND DOES NOT, ASSUME RESPONSIBILITY OF THE EXISTENCE OR LOCATION OF ANY STRUCTURE SUCH AS, BUT NOT LIMITED TO, UTILITIES, PIPELINES AND SEWERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL AGENCIES AND/OR OWNERS TO VERIFY THIS INFORMATION PRIOR TO AND DURING CONSTRUCTION OF IMPROVEMENTS SHOWN HEREON, AND TO CONTACT THE ENGINEER IN THE EVENT OF ANY SIGNIFICANT DISCREPANCY.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF, AND PROTECTING ALL EXISTING UTILITIES AND REPAIRING DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-227-2600) TWO WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION.
- 5. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY RELOCATIONS, UTILITY GRADE ADJUSTMENTS, AND NEW UTILITIES AND SHALL COORDINATE WITH THE CITY AND WITH APPLICABLE UTILITY PURVEYORS, INCLUDING OBTAINING ANY PERMITS OR PAYING ANY FEES.
- THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE CITY OF GRASS VALLEY AND THEIR CONSULTANTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
- 7. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEETING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL EFFECT NECESSARY REPAIRS OR RECONSTRUCTION AT THEIR OWN EXPENSE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING AND BRACING OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIFE, OR LIMB, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA, THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
- 8. ALL APPLICABLE REQUIREMENTS OF THE CALIFORNIA CONSTRUCTION AND GENERAL INDUSTRY SAFETY ERRORS, THE OCCUPATIONAL SAFETY AND HEALTH ACT AND THE CONSTRUCTION SAFETY ACT SHALL BE MET.
- 9. ALL WORK SHALL BE COMPLETED AS DIRECTED BY THE LATEST VERSION OF THE CITY OF GRASS VALLEY CONSTRUCTION STANDARDS AND STANDARD DETAILS.
- 10. CONTRACTOR SHALL LEAVE SITE CLEAN AND ORDERLY DURING CONSTRUCTION PROCESS. REMOVE FROM SITE ALL EXCESS MATERIALS, SOIL, DEBRIS AND EQUIPMENT. STORE MATERIALS ONLY IN AN APPROVED LOCATION.
- 11. ALL EROSION CONTROL SHALL BE PLACED AS DETERMINED BY THE ENGINEERING DIVISION INSPECTOR.
- 12. NON-POTABLE WATER SHALL BE SPRAYED ON ALL EXPOSED EARTH SURFACES DURING CLEARING GRADING, EARTH MOVING, AND OTHER SITE PREPARATION ACTIVITIES. THE EXPOSED EARTH SHALL BE WATERED THROUGHOUT THE DAY TO MINIMIZE DUST.
- 13. TARPAULINS OR OTHER EFFECTIVE COVERS SHALL BE USED ON ALL STOCKPILED EARTH MATERIAL AND ON HAUL TRUCKS TO MINIMIZE DUST.
- 14. THE CITY SHALL HAVE THE AUTHORITY TO STOP ALL GRADING OPERATIONS, IF, IN OPINION OF CITY STAFF, INADEQUATE DUST CONTROL MEASURES ARE BEING PRACTICED OR EXCESSIVE WIND CONDITIONS CONTRIBUTE TO FUGITIVE DUST EMISSIONS.
- 15. WORK AREAS AND ADJACENT STREET FRONTAGES SHALL BE SWEPT AT LEAST ONCE A DAY TO REMOVE SILT AND OTHER DIRT WHICH IS EVIDENT FROM CONSTRUCTION ACTIVITIES.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION VEHICLES LEAVING THE SITE ON A DAILY BASIS TO PREVENT
- DUST, SILT AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE.

 17. THE CONTRACTOR SHALL PROVIDE FOR SAFE ACCESSIBLE INGRESS AND EGRESS FOR ADJACENT PROPERTY OWNERS AND EVA THROUGHOUT THE PERIOD OF CONSTRUCTION. TEMPORARY THROUGH ACCESS FOR THE GENERAL PUBLIC DUE TO CONSTRUCTION
- ACCESS MUST BE SAFE, SECURED, FLAGGED, SIGNED, AND ACCESSIBLE PER THE APPROVED SITE ACCESS PLAN SUBMITTED BY THE CONTRACTOR AND ACCEPTED BY THE CITY OF GRASS VALLEY.

 18. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR EMERGENCY VEHICLE ACCESS, PUBLIC SAFETY AND SAFETY OF EXISTING STRUCTURES. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, FENCING, BARRICADES, TRAFFIC CONTROLS, FLAGGERS, SHORINGS, BRACING AND GUYS OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY IN ACCORDANCE WITH ALL NATIONAL, STATE

STAGING OR LIMITATIONS MUST BE FULLY REVIEWED AND APPROVED BY THE CITY OF GRASS VALLEY PRIOR TO IMPLEMENTATION. ALL

- SPECS AND LOCAL SAFETY ORDINANCES. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF JOB SITE.

 19. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION MUST BE COMPLETELY RESTORED TO THE
- 20. ANY RELOCATION OF PUBLIC UTILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY REPRESENTATIVE INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC. THE CONTRACTOR SHALL PAY THE COST OF ALL SUCH RELOCATION WORK INCLUDING FEES, BONDS, PERMITS, ETC.

SATISFACTION OF THE CITY ENGINEER OR UTILITY AGENCY REPRESENTATIVE. AT THE CONTRACTOR'S SOLE EXPENSE.

- 21. THE CONSTRUCTION OF ALL GRAVITY UNDERGROUND LINES (STORM DRAINS) SHALL BEGIN AT THE MOST DOWNSTREAM END, UNLESS OTHERWISE SPECIFICALLY APPROVED BY CITY ENGINEER.
- 22. THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS, IS NEITHER SPECIFIED NOR RECOMMENDED. ANY PARTY INSTALLING OR USING ANY PARTY SUCH MATERIALS OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURIES, DAMAGES, OR LIABILITIES OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS OR EQUIPMENT.
- 23. CONSTRUCTION SHALL STOP IF CULTURAL RESOURCES ARE SUSPECTED. IT IS POSSIBLE THAT PREVIOUS ACTIVITIES HAVE OBSCURED SURFACE EVIDENCE OF CULTURAL RESOURCES. IF SIGNS OF AN ARCHEOLOGICAL SITE, SUCH AS ANY UNUSUAL AMOUNTS OF STONE, BONE, OR SHELL, ARE UNCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN 100 FEET OF THE FIND AND THE CITY INSPECTOR SHALL BE NOTIFIED. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. THE ARCHEOLOGIST MAY REQUIRE ADDITIONAL MITIGATION.
- 24. SHOULD GRADING OPERATIONS UNCOVER HAZARDOUS MATERIALS, OR WHAT APPEARS TO BE HAZARDOUS MATERIALS, THE FIRE DEPARTMENT SHALL BE CONTACTED IMMEDIATELY. THE AREA, WHICH CONTAINS THE HAZARDOUS MATERIALS, SHALL BE MARKED OFF UNTIL AN INVESTIGATION BY A MEMBER OF THE FIRE DEPARTMENT IS CONDUCTED.
- 25. LIGHTING DESIGN AS SHOWN FOR MILL STREET IS INTENDED TO PROVIDE A MINIMUM OF 5 FOOTCANDLES FOR NIGHTTIME USE AND TO ALLOW FOR SEASONAL INSTALLATION OF STRING LIGHTS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING ALL POLES, FIXTURES, AND STRING LIGHTS AS SHOWN AND ANY ADDITIONAL CONDUIT AND CONNECTIONS TO EXISTING ELECTRICAL SYSTEMS TO PROVIDE PROPER FUNCTION FOR THE LIGHTING SYSTEM. FINAL LIGHTING DESIGN AND ELECTRICAL SUPPLY TO BE COORDINATED WITH THE CITY AND WITH PG&E AND VERIFIED BY AN ELECTRICAL ENGINEER AS NECESSARY TO MEET APPLICABLE STATE AND LOCAL CODES.
- 26. THE EXISTING CONDITIONS INFORMATION SHOWN ON THESE PLANS HAVE BEEN COMPILED FROM VARIOUS SOURCES AS DETAILED ON EXISTING CONDITIONS PLANS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A DETAILED TOPOGRAPHIC SURVEY AND VERIFYING FIELD CONDITIONS PRIOR TO START OF ANY WORK.

SHEET INDEX

SHEET NUMBER SHEET NAME

GENERAL

G0.1 COVER SHEET

G0.2 GENERAL INFORMATION

EXISTING CONDITIONS

EX1.0 EXISTING CONDITIONS - MAIN STREET

CIVIL

C1.0 DEMOLITION PLAN - MAIN STREET
C1.1 DEMOLITION PLAN - MILL STREET
C2.0 SURFACE IMPROVEMENTS
C3.0 GRADING PLAN

C3.0 GRADING PLAN
C4.0 UTILITY PLAN
C5.0 DETAILS

WATER UTILITIES

W1.0 WATER LINE REPLACEMENT PLAN

LANDSCAPE

L1.1 LAYOUT AND MATERIALS PLAN - MAIN STREET
L1.2 LAYOUT AND MATERIALS PLAN - MILL STREET

L1.3 LAYOUT PLAN ENLARGEMENTS

L1.4 CONSTRUCTION DETAILS

L1.5 CONSTRUCTION DETAILS

L1.6 CONSTRUCTION DETAILS

L1.7 SITE FURNISHING CUTSHEEETS
L1.8 LIGHTING PLAN

L1.9 LIGHTING CUTSHEETS

L2.1 IRRIGATION LEGEND AND NOTES
L2.2 IRRIGATION PLAN - MILL STREET
L3.1 PLANTING PLAN - MAIN STREET
L3.2 PLANTING PLAN - MILL STREET

UTILITY AND EMERGENCY CONTACTS

WATER/SEWER/ STORM DRAIN:	CITY OF GRASS VALLEY 125 E MAIN ST GRASS VALLEY, CA 95945	530-274-4350
FIRE PROTECTION:	CITY OF GRASS VALLEY 125 E MAIN ST GRASS VALLEY, CA 95945	530-274-4370
ELECTRICITY/GAS:	PG&E 788 TAYLORVILLE RD GRASS VALLEY, CA 95945	530-477-3260
TELEVISION:	COMCAST 427 EATON RD CHICO, CA 95973	530-206-6172
PHONE:	AT&T 12824 EARHART DRIVE AUBURN, CA 95602	530-888-2031







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PROJECT INFO

NAME: MILL STREET PROJECT
CLIENT: CITY OF GRASS VALLEY
PROJECT NUMBER: 0069

SUBMITTAL DESCRIPTION

CONCEPTUAL PLANS

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INFORMATION

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CALL BEFORE YOU DIG

THE CONTRACTOR SHALL CALL "UNDERGROUND SERVICE ALERT" (USA) AT 1-800-227-2600 AT LEAST TWO WORKING

DAYS PRIOR TO PERFORMING EXCAVATION.

G0.2





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1610 R Street, Suite 300 Landscape Architec
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CLIENT: CITY OF GRASS VALLEY

CONCEPTUAL PLANS

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EXISTING
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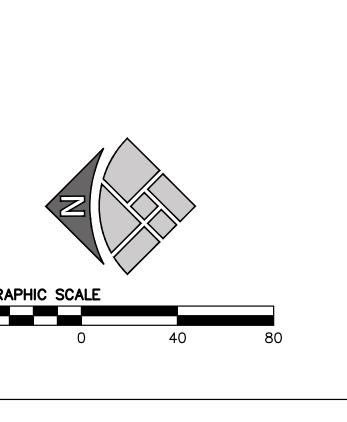
DEMOLITION PLAN

Know what's below.

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LIMITS OF DEMOLITION

APPROXIMATE —— LIMITS OF

APPROXIMATE

LIMITS OF DEMOLITION

DEMOLITION

- APPROXIMATE LIMITS OF DEMOLITION

— APPROXIMATE

LIMITS OF DEMOLITION

DEMOLITION ITEMS REMOVE ASPHALT AND AB REMOVE CONCRETE PAVING REMOVE STAMPED CONCRETE CLEAR AND GRUB EXISTING LANDSCAPE AREAS

REMOVE AND DISPOSE OF EXISTING LIGHT POLE TYPE 1 REMOVE AND DISPOSE OF EXISTING LIGHT POLE TYPE 2 REMOVE AND DISPOSE OF

EXISTING TRASH RECEPTACLE REMOVE AND DISPOSE OF EXISTING TREE, GRIND STUMP COMPLETELY TO ALLOW FOR NEW TREE PLANTING

DEMOLITION NOTES

— APPROXIMA**T**E LIMITS OF L

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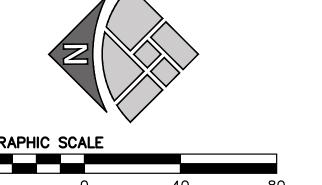
APPROXIMATE — LIMITS OF DEMOLITION

MAIN STREET BETWEEN CHURCH STREET AND BENNETT STREET

SCALE: 1" = 40'

DEMOLITION

- 1. CONTRACTOR TO USE CAUTION WHEN WORKING ADJACENT TO EXISTING BUILDING.
- 2. CONTRACTOR TO CLEAR AND GRUB WITHIN THE LIMITS OF PROPOSED WORK, UNLESS OTHERWISE NOTED ON PLANS.
- 3. RIM ELEVATIONS FOR EXISTING UTILITY STRUCTURES SHALL BE RAISED PER CITY STANDARDS.
- 4. THE UTILITY LINES AND STRUCTURES SHOWN ON THESE PLANS ARE DERIVED FROM RECORD DATA AND/OR SURFACE OBSERVATION AND ARE APPROXIMATE ONLY. ACTUAL LOCATION AND SIZE, TOGETHER WITH THE PRESENCE OF ANY ADDITIONAL UTILITY LINES AND STRUCTURES NOT SHOWN ON THIS PLAN, SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
- 5. THE CONTRACTOR IS REQUIRED BY STATE LAW TO ACTIVELY RESEARCH THE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION, REFERENCE ANY MONUMENTS, AND REPLACE THOSE DAMAGED OR REMOVED DURING CONSTRUCTION.
- 6. THE LIMITS OF DEMOLITION SHOWN ARE APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING SURROUNDINGS, LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, AND SIDEWALKS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES OR HAZARDOUS CONDITIONS.
- EXISTING CURB AND SIDEWALK AND LANDSCAPE/IRRIGATION WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- 8. PROTECT ALL EXISTING UTILITIES AND SITE FEATURES FROM BEING DAMAGED, UNLESS OTHERWISE NOTED. ALL UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE ENGINEER







PROJECT INFO

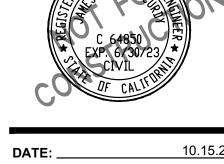
NAME: MILL STREET PROJECT CLIENT: CITY OF GRASS VALLEY PROJECT NUMBER: 0069

SUBMITTAL DESCRIPTION

30% DESIGN

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GRASS VALLEY, CA

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SURFACE IMPROVEMENTS

C2.0





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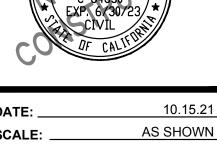
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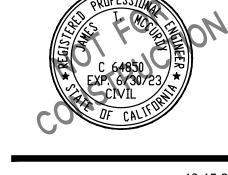
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SUBMITTAL DESCRIPTION
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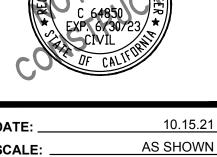
UTILITY PLAN

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CLIENT: CITY OF GRASS VALLEY

PROJECT NUMBER: 0069



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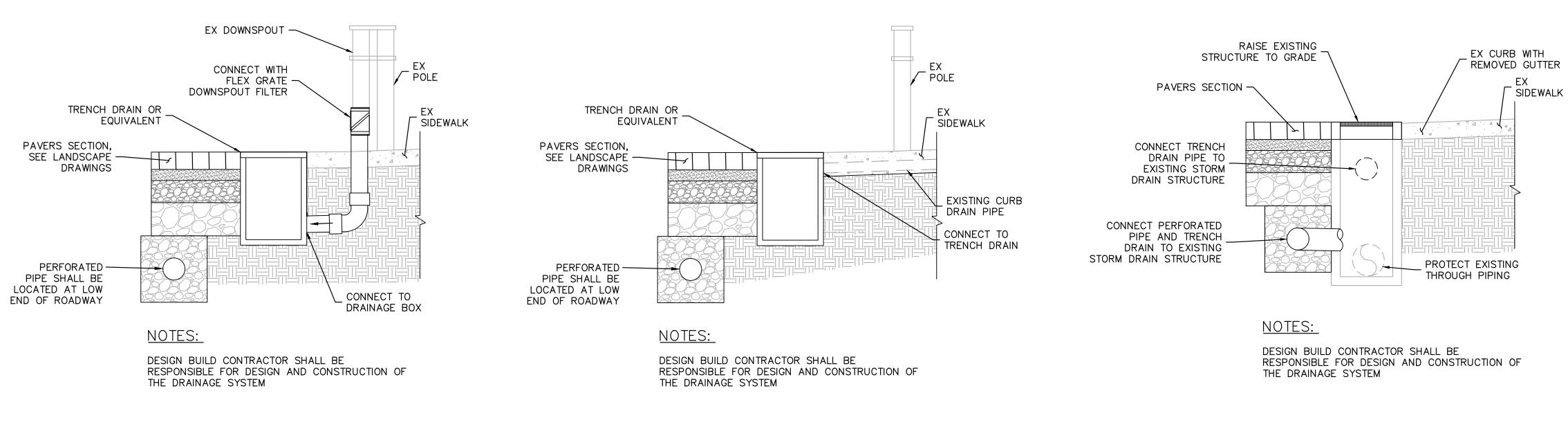
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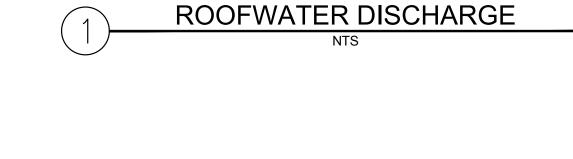
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DETAILS

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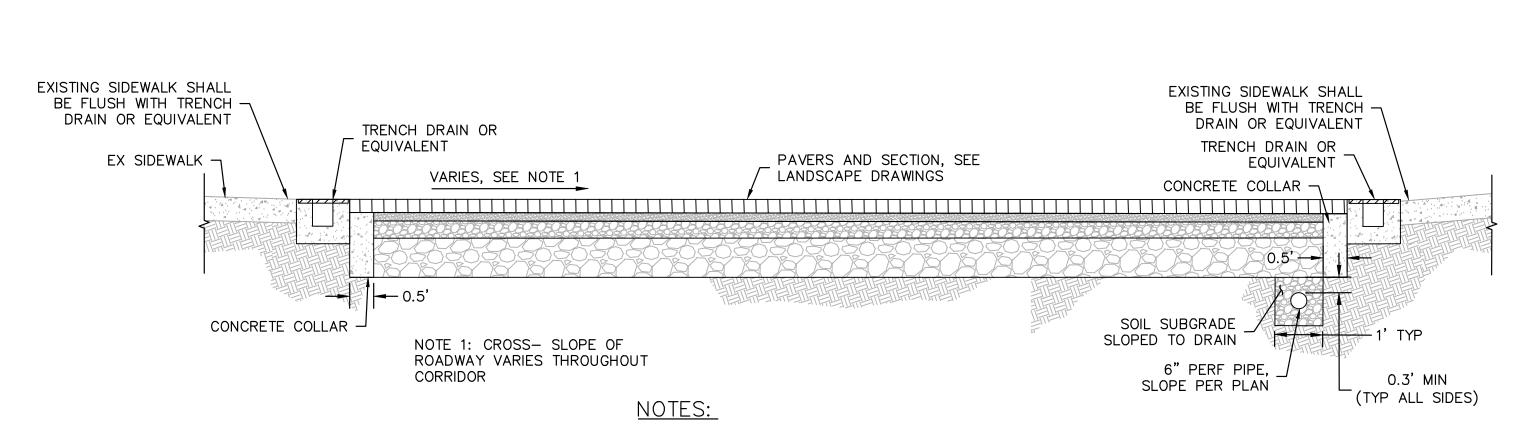






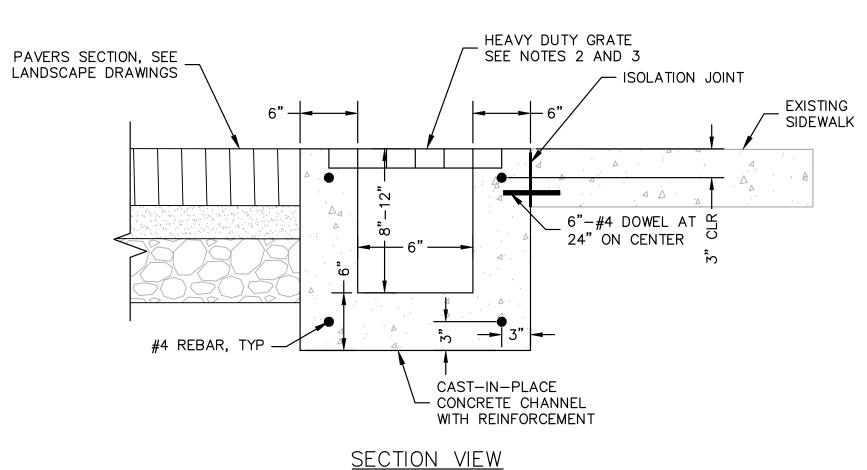


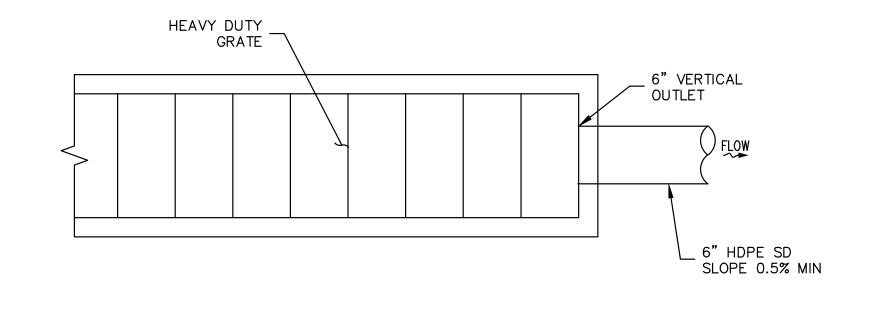




- DESIGN BUILD CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND CONSTRUCTION OF THE DRAINAGE SYSTEM.
- 2. THE DESIGN OF PERMEABLE PAVEMENT, CUT OFF WALLS, AND CONCRETE COLLARS SHALL BE DESIGNED BY THE DESIGN BUILD TEAM AS NEEDED TO PREVENT SEEPAGE OF WATER FROM MIGRATING ALONG TRENCH BEYOND THE EDGE OF PERVIOUS PAVEMENT.
- TYPICAL STREET CROSS-SECTION

 NTS





<u>PLAN VIEW</u>

NOTES:

- 1. SLOPE CHANNEL AT A MINIMUM OF 0.5% SLOPE.
- 2. BOLT GRATE ON TOP OF CHANNEL. GRATE SHALL BE FLUSH WITH PAVEMENT AND NOT PROVIDE A LIP GREATER THAN 1/4".
- 3. GRATE SHALL HAVE BEARING BARS SPACED TO MEET ACCESSIBILITY REQUIREMENTS PER CBC, LATEST EDITION. GRATE SHALL BE H-20 TRAFFIC RATED, HAVE A LOCKING MECHANISM, AND SHALL BE BICYCLE AND HEEL FRIENDLY.
- 4. PROVIDE STAINLESS STEEL PIPE CAPS AT ENDS OF CHANNEL TO CONNECT PIPING



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SUBMITTAL DESCRIPTION CONCEPTUAL PLANS

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REPLACEMENT

W1.0

SUBMITTAL DESCRIPTION

CONCEPTUAL PLANS

ISSUANCE AND REVISIONS

LAYOUT PLAN

SHEET NUMBER:

L1.1

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LAYOUT LEGEND

TYP. TYPICAL

S.C.D. SEE CIVIL'S DRAWINGS

RADIUS- ALL RADII GIVEN FOR WALLS ARE DIMENSIONED TO OUTSIDE OF

ALIGN

€—-— CENTER LINE EQ. EQUAL

P.A. PLANTING AREA

STEWART ST.

CHURCH ST.

NECESSARY.

W. LIMIT OF WORK DETAIL

MAIN STREET PARKLET APPROXIMATE LOCATION

1/L1.1

REMOVE AND REPLACE EXISTING LIGHT POLE IN PLACE WITH LIGHT POLE TYPE C, TYP. CONNECT NEW LIGHT TO EXISTING POWER SUPPLY AS

3 EXISTING TREE PIT, REMOVE EXISTING TREE AND 2/L1.1 GRATE. PREPARE FOR TREE PLANTING PER DETAIL 5/L1.3.

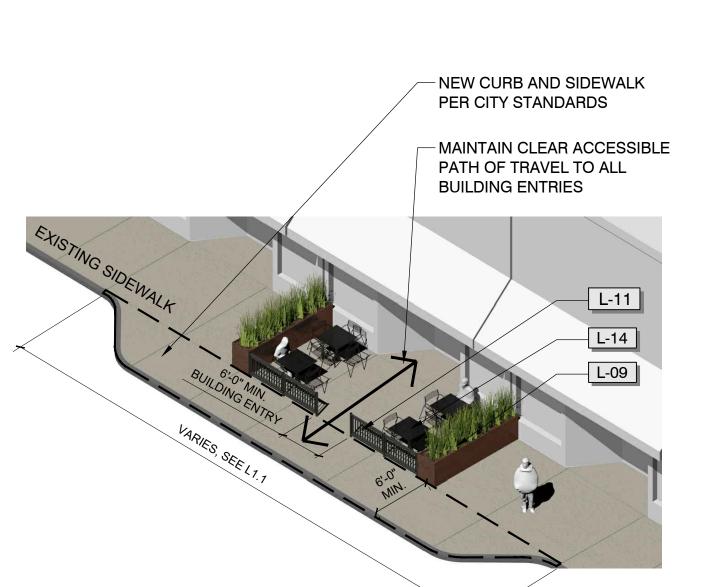
LANDSCAPE SCHEDULE

	E/(INDOO/(I E OO) IEDOEE			
	SYMBOL	DESCRIPTION	QTY	DETAIL
	L-01	PERMEABLE VEHICULAR BRICK PAVING	19,648 sf	1/L1.6
	L-02	VEHICULAR BRICK PAVING	810 sf	2/L1.6
	L-03	CONCRETE PAVING	593 sf	3/L1.6
	L-04	TRENCH DRAIN, S.C.D.	S.C.D.	S.C.D.
0	L-05	AUTOMATIC RETRACTABLE BOLLARD	13	8/L1.7
0	L-06	AUTOMATIC RETRACTABLE BOLLARD CONTROL SYSTEM	3	7/L1.7
	SYMBOL	DESCRIPTION	QTY	DETAIL
þ	L-07	BOTTLE FILLER	1	1/L1.7
	L-08	MODULAR RAISED PLANTER TYPE A, 4` X 2`	28	3/L1.5
	L-09	MODULAR RAISED PLANTER TYPE B, 48" DIA.	6	3/L1.5
	L-10	PATIO RAILING	186 If	4/L1.5
	L-11	TRASH RECEPTACLE	9	2/L1.7
R	L-12	RECYCLING RECEPTACLE	9	3/L1.7
	L-13	DINING TABLE*	1	4/L1.7
	L-14	CHAIR*	148*	5/L1.7
	L-15	UMBRELLA*	17*	6/L1.7
	L-16A	PICNIC TABLE WITH UMBRELLA, ONE BENCH	5	1/L1.5
	L-16B	PICNIC BENCH WITH UMBRELLA, TWO BENCHES	2	1/L1.5
*A	L-17A	LIGHT POLE TYPE A	14	1/L1.9
≭ _B	L-17B	LIGHT POLE TYPE B	12	1/L1.9
* _c	L-17C	LIGHT POLE TYPE C	13	2/L1.9
	L-18	STRING LIGHTS	1,436 lf	3/L1.9
•	L-19	UPLIGHT	42	4/L1.9
	L-20	GFCI RECEPTACLE	21	-
	L-21	RAILING PLANTER*	13*	5/L1.5
	L-22	LUNCH COUNTER*	10 lf*	6/L1.5
		* = NOT SHOWN ON PLAN. QUANTITIES PROVIDED FO	or bidding Pi	JRPOSES.

LAYOUT NOTES

- 1. ALL WRITTEN DIMENSIONS SUPERCEDE ALL SCALED DISTANCES AND DIMENSIONS. DIMENSIONS SHOWN ARE FROM THE FACE OF THE BUILDING, WALL, BACK OF CURB, EDGE OF WALK, PROPERTY LINE, OR CENTERLINE OF COLUMN UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 2. ALL DIMENSIONS AT BUILDING ARE TO FACE OF BUILDING. ALL DIMENSIONS AT ROADWAY ARE TO FACE OF CURB.
- 3. ALL CURVES AND ALL TRANSITIONS BETWEEN CURVES AND STRAIGHT EDGES SHALL BE SMOOTH.
- 4. ALL RETURN RADII AND CURB DATA ARE TO FACE OF CURB.
- 5. SIDEWALK, CURB AND GUTTER, GRADING AND DRAINAGE IS BASED ON DRAWINGS PREPARED BY THE CIVIL ENGINEER.
- ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO THE CONTRACTOR ON A TIME AND EXPENSES BASIS AND PAID FOR BY THE CONTRACTOR.
- 7. SEE IRRIGATION DRAWINGS FOR GENERAL SYSTEM REQUIREMENTS AND FOR LOCATION OF IRRIGATION MAINLINE PIPING. SLEEVES TO ACCOMMODATE IRRIGATION PIPING, SIZED AS NEEDED, SHALL BE IN PLACE UNDER AND THROUGH SLABS AND WALLS, PRIOR TO POURING.
- 8. ALL CONCRETE PAVEMENTS SHALL BE DOWELED INTO CURBS, SIDEWALKS, AND BUILDING FOUNDATIONS.
- CONTRACTOR TO ENSURE A FLUSH CONDITION BETWEEN NEW AND EXISTING PAVING.
- 10. ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.

- 11. CONCRETE FOOTINGS INSTALLED FOR ALL SITE FURNISHINGS, EQUIPMENT, ETC.. IN DECORATIVE PAVEMENT, ASPHALT PAVING, CONCRETE PAVING, AND PLANTERS SHALL BE HELD BELOW GRADE.
- 12. ALL EXISTING ITEMS TO REMAIN SHALL BE PROTECTED AS REQUIRED. ANY DAMAGED ITEMS SHALL BE FULLY REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE FULL SATISFACTION OF THE OWNER.
- 13. ALL PATTERNS, LINE TYPES, AND SYMBOLS SHOWN WITHIN THE PLAN SET REFERENCE THE LAYOUT LEGEND AND ARE PART OF THE SCOPE OF WORK. CALLOUTS ARE SHOWN FOR CLARIFICATION OF WORK, BUT DO NOT INDICATE EVERY AND ALL INSTANCES OF SUCH WORK.



MAIN STREET TYPICAL TREE PLANTING

MAIN STREET PARKLET CONCEPT

MATCH EXISTING TREE

PIT/TREE

GRATE

 EXISTING TREE TO BE REMOVED PER SITE PREPARATION AND DEMOLITION PLANS.

REMOVE AND DISPOSE OF EXISTING TREE

GRATE. INSTALL NEW DECORATIVE TREE

- REPAIR AND ADJUST EXISTING IRRIGATION

TREE PLANTING

P-CO-MIL-56

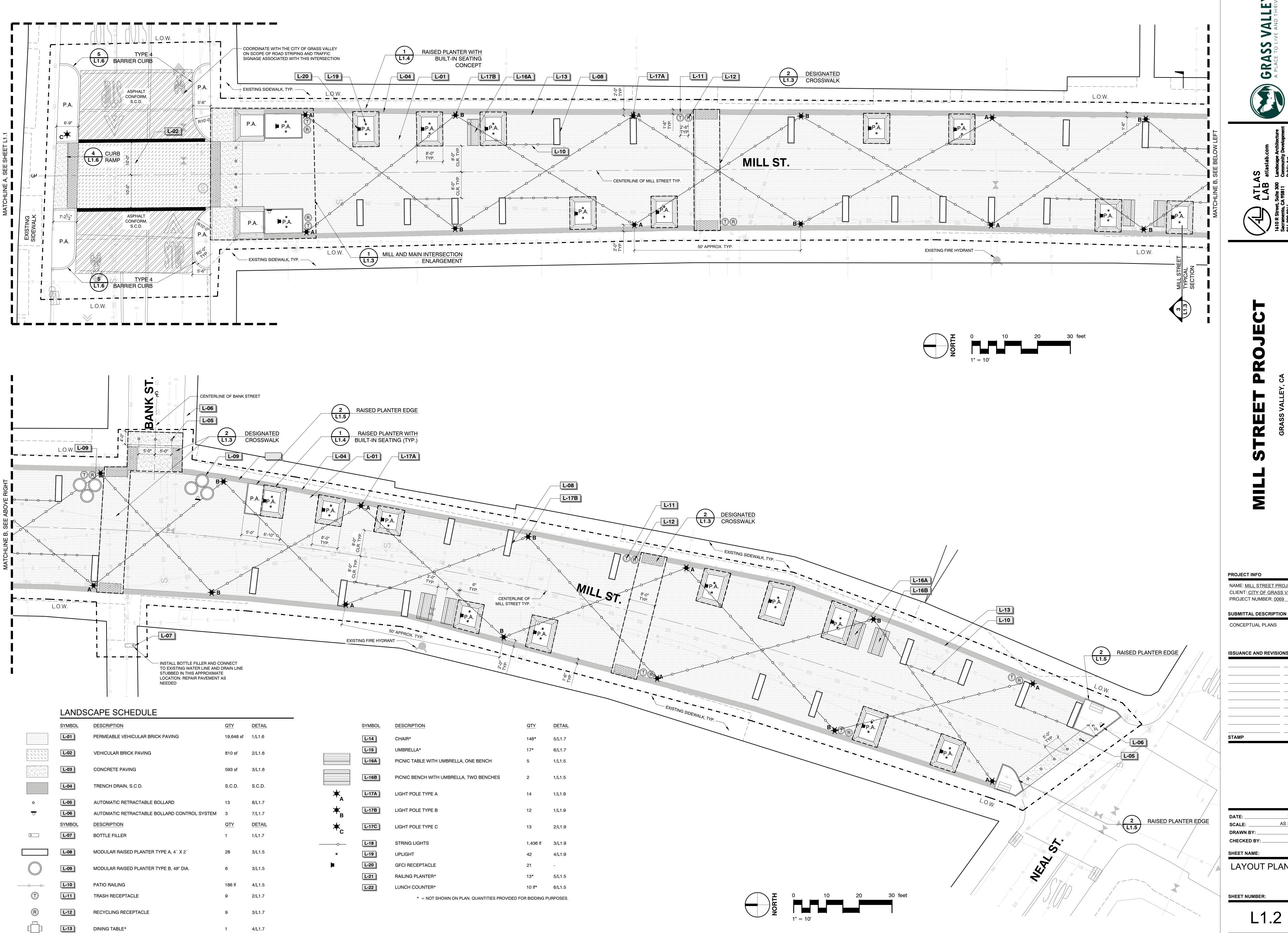
P-CO-MIL-57

SPECIES PER PLANTING PLAN

GRATE (HEEL-PROOF).

L-20
2 PER TREE

THE O 40 80 120 feet



PROJECT INFO NAME: MILL STREET PROJECT CLIENT: CITY OF GRASS VALLEY PROJECT NUMBER: 0069

CONCEPTUAL PLANS

ISSUANCE AND REVISIONS

11.17.21 AS SHOWN

CHECKED BY: ____

LAYOUT PLAN

 DATE:
 11.17.21

 SCALE:
 AS SHOWN

 DRAWN BY:
 BCC

 CHECKED BY:
 EP

 SHEET NAME:

LAYOUT
ENLARGEMENT
PLANS
SHEET NUMBER:

PLAN

L1.3

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MILL AND MAIN ENTRY ENLARGEMENT

1/4" = 1'-0"

4'-0" TYP.

10'-0" CLR. TYP.

— CAST IN PLACE DETECTABLE WARNING

P.A.

P.A.

7'-3"

1 RAISED PLANTER WITH
BUILT-IN SEATING

2 RAISED PLANTER EDGE

P.A.

1'-6"

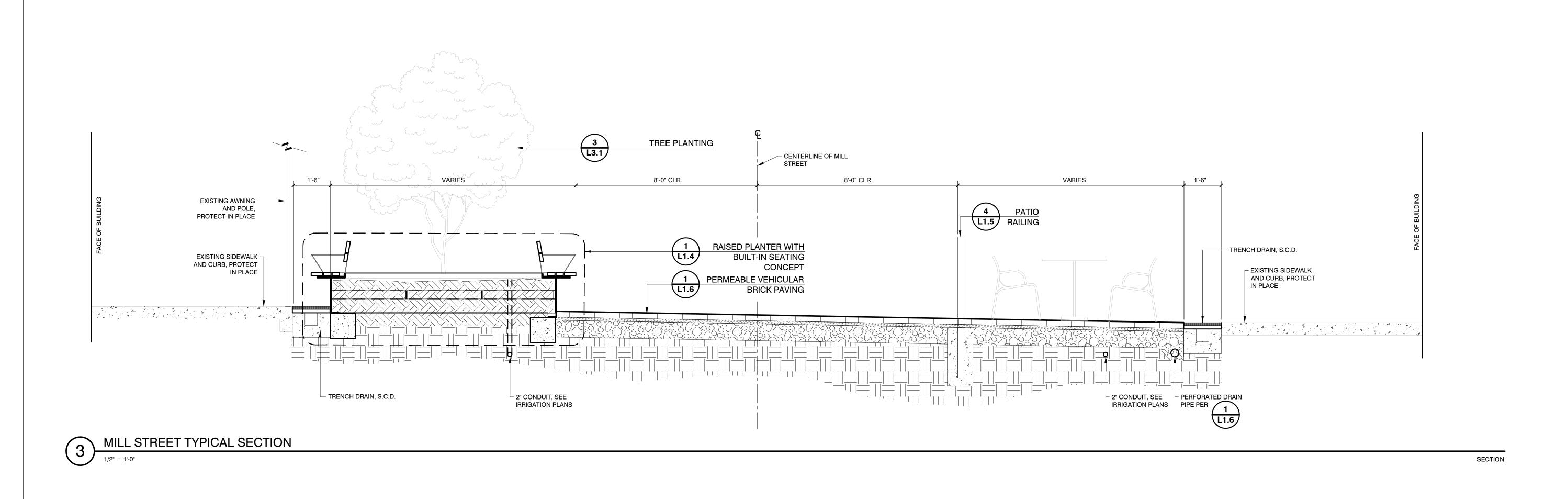
- G - G - G - G -

L-17A

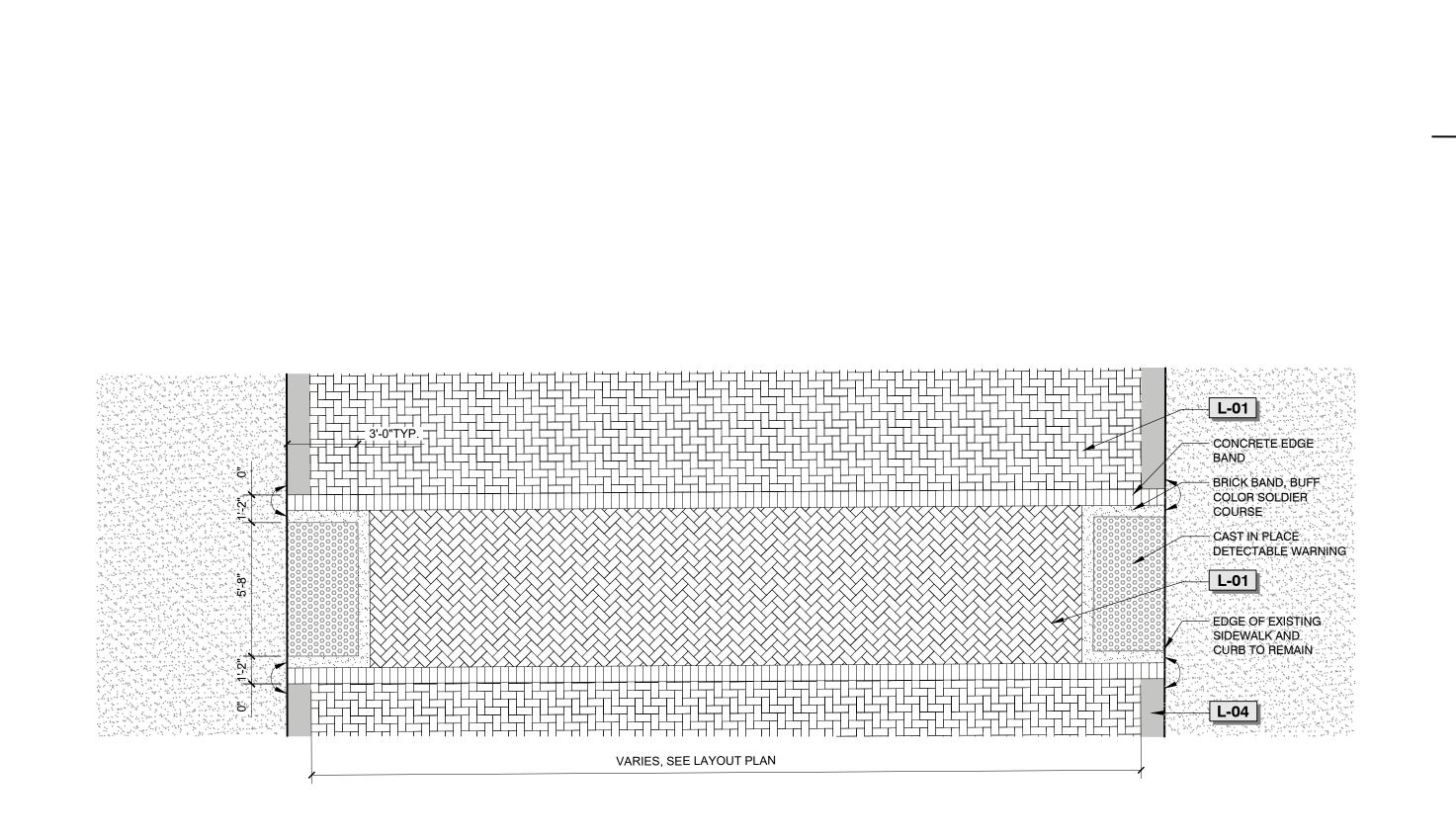
L-11

P.A.

7'-3"



______SD_____SD____



DESIGNATED CROSSWALK

1/4" = 1'-0"

CONCEPTUAL PLANS

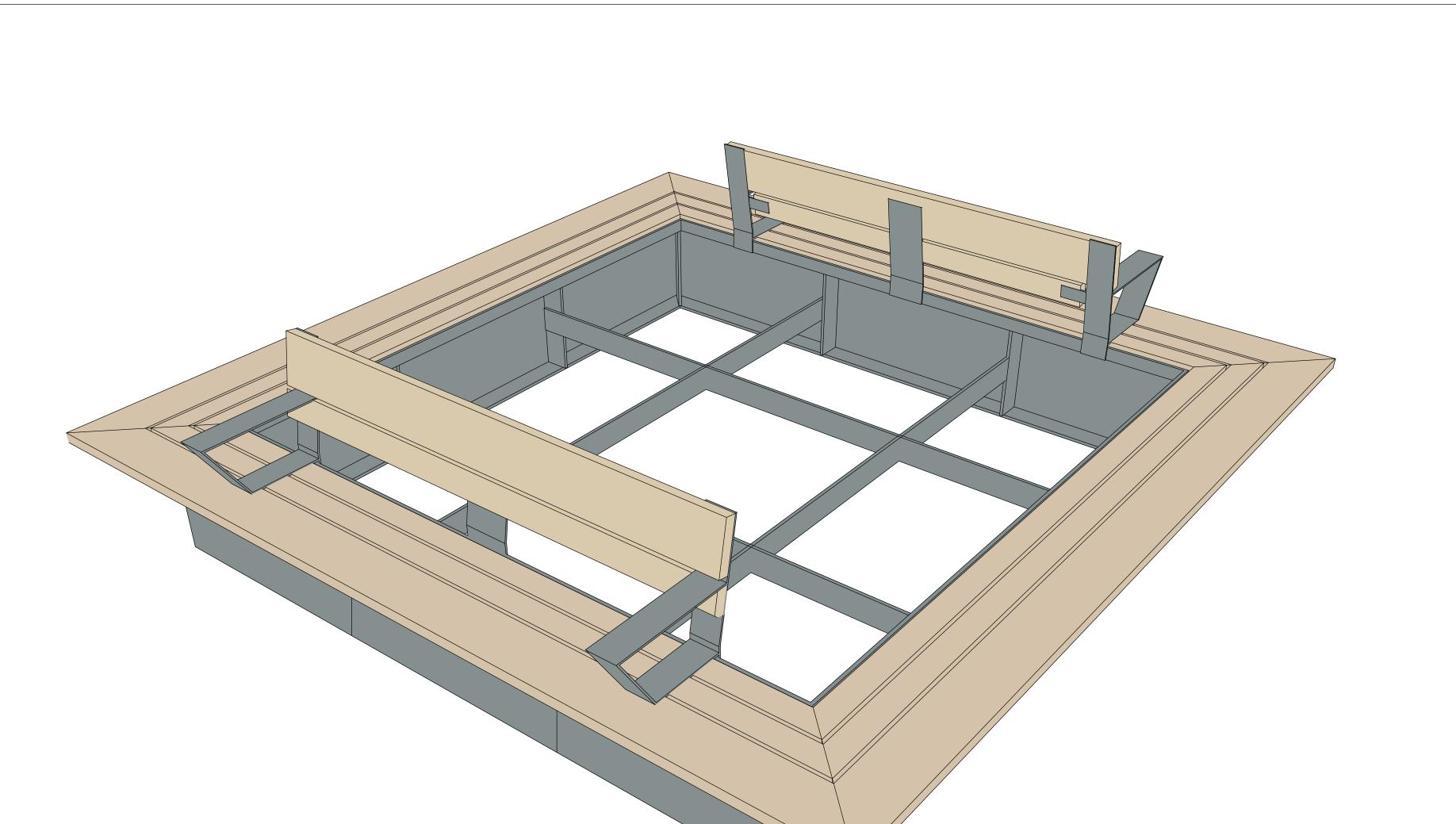
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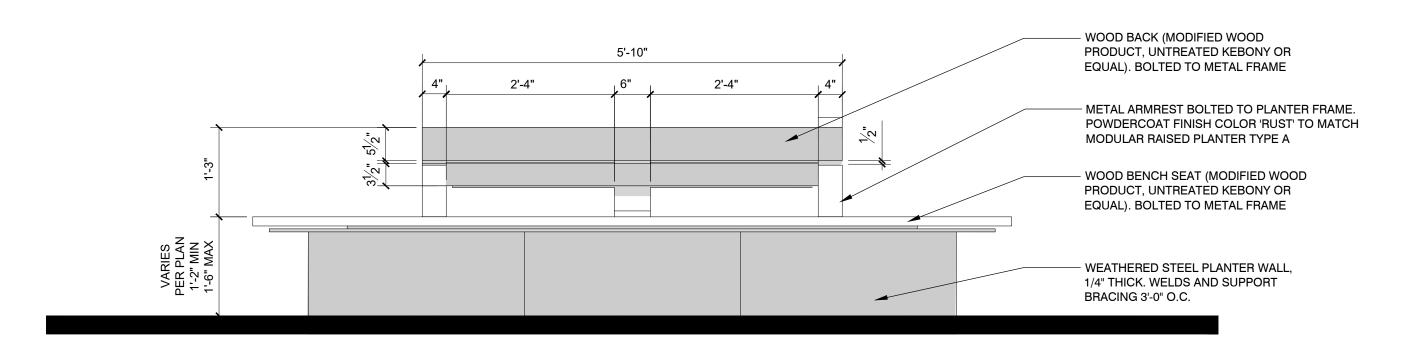
CONSTRUCTION **DETAILS**

SHEET NUMBER:

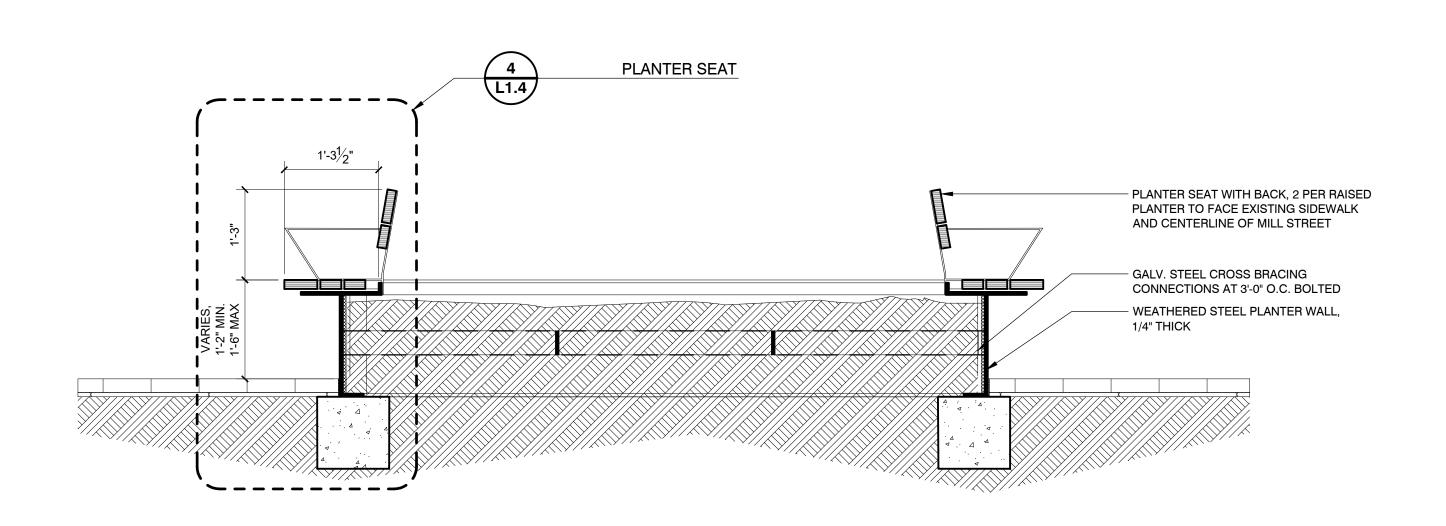
P-CO-MIL-47

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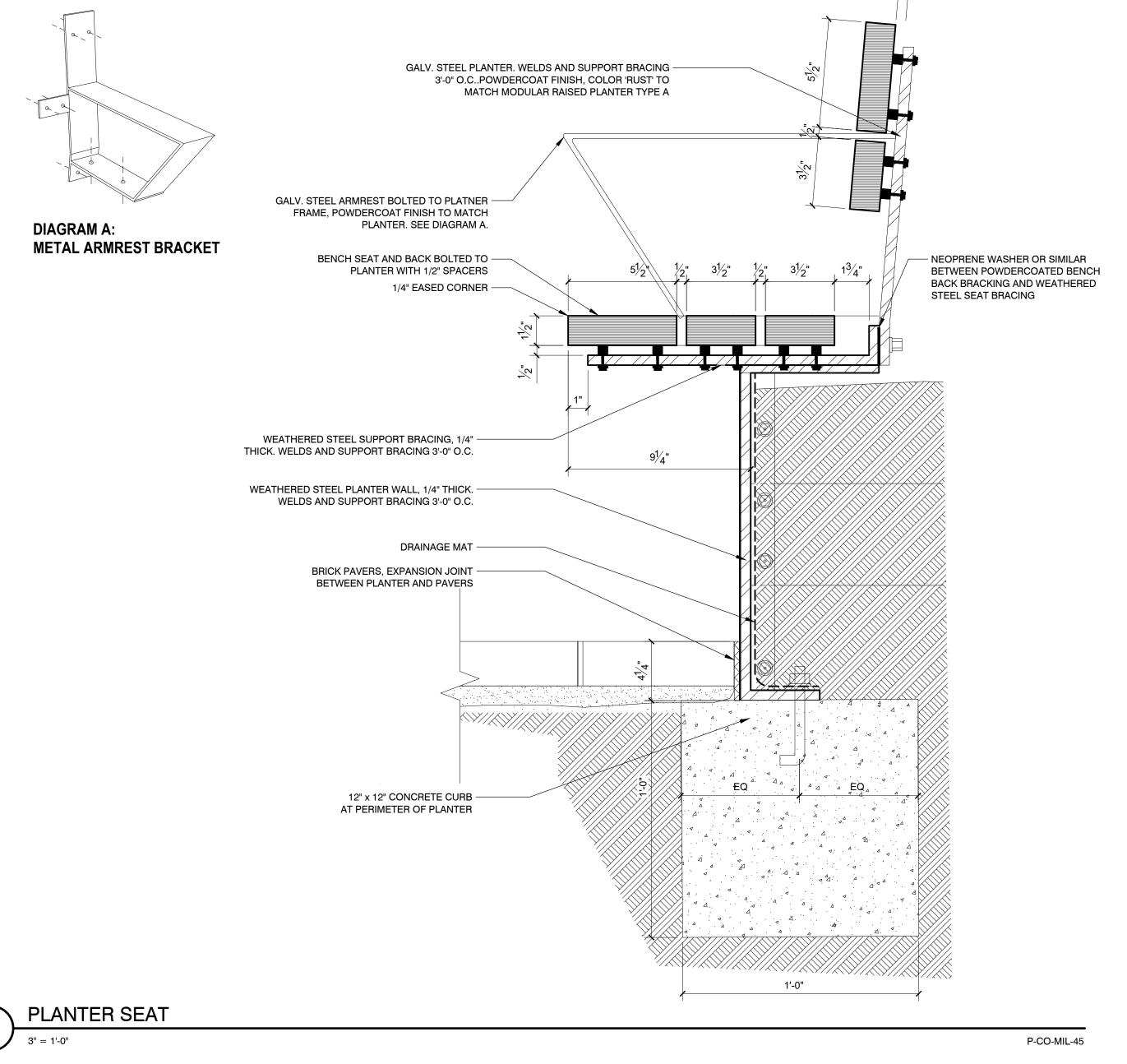


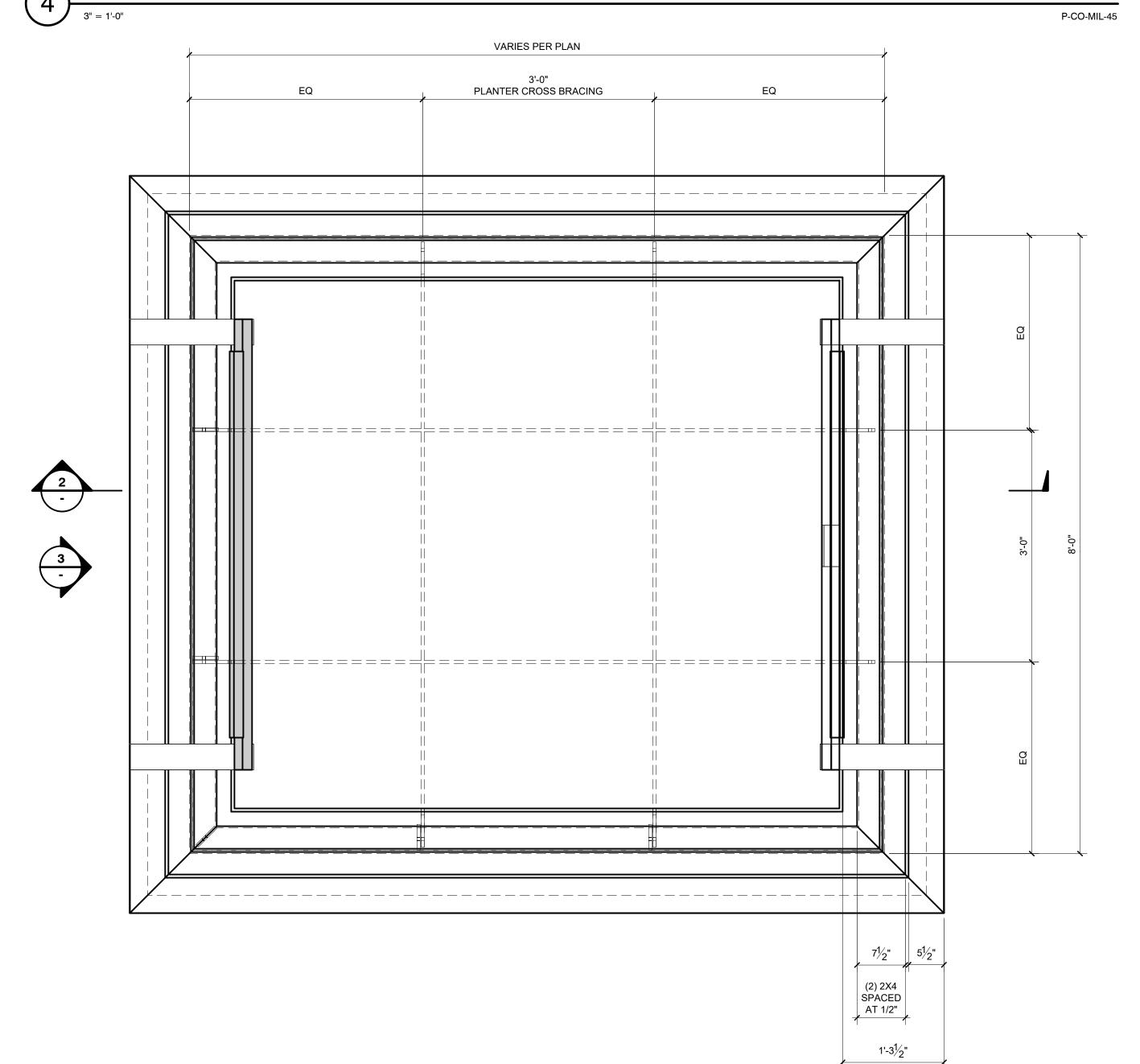
RAISED PLANTER WITH BUILT-IN SEATING FRONT ELEVATION



RAISED PLANTER WITH BUILT-IN SEATING SECTION

3/4" = 1'-0"





RAISED PLANTER WITH BUILT-IN SEATING CONCEPT

P-CO-MIL-49

CLIENT: CITY OF GRASS VALLEY

PROJECT NUMBER: 0069

11.17.21 SCALE: DRAWN BY: CHECKED BY: _

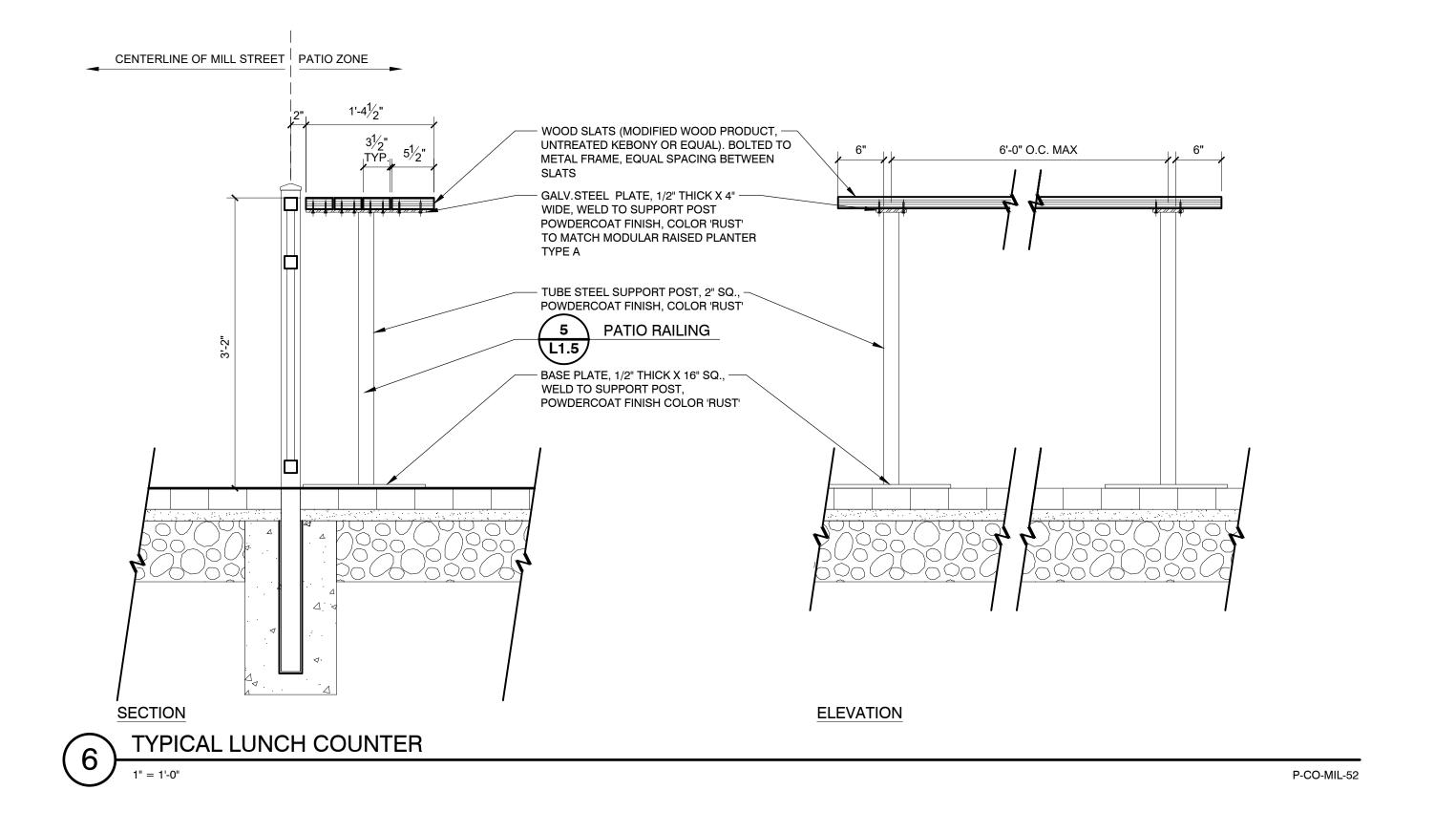
SHEET NAME: CONSTRUCTION

SHEET NUMBER:

DETAILS

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TYPICAL PLANTING -

L3.1 RAISED PLANTER TYPE A

PLANTER INSULATION ALONG INTERIOR

SIDES & BOTTOM OF POT, BY MFR

- MODULAR CONTAINER IRRIGATION SYSTEM, SEE IRRIGATION PLANS

- LYNGSO ROOF MIX, PER SPECS

 $^{-rac{3}{4}"}$ LIGHTWEIGHT LAVA DRAIN ROCK

- FILTER FABRIC ALONG BOTTOM OF PLANTER, EXTEND 4" UP SIDES

WATERPROOF MEMBRANE ALONG INTERIOR

P-CO-MIL-38

– PLANTER, PER PLANS

SIDES, PER SPECS

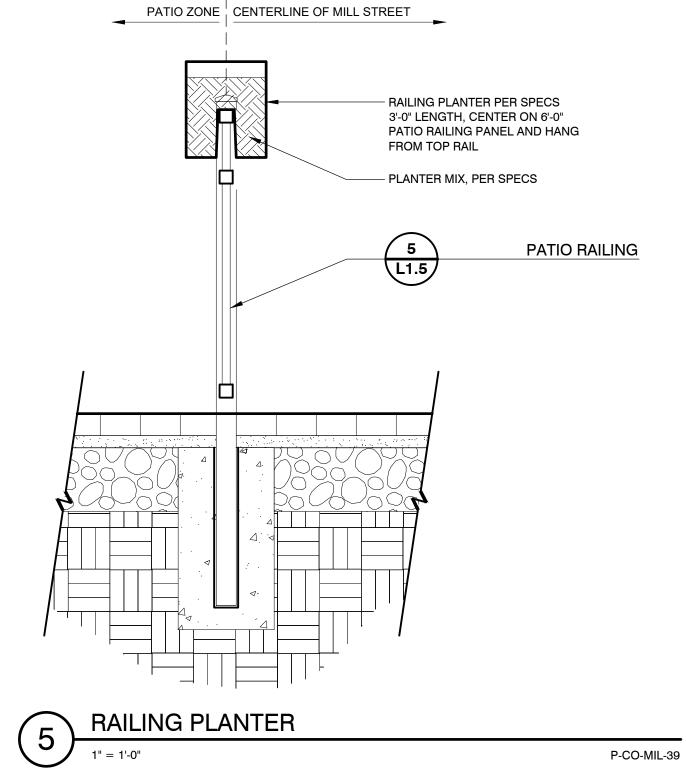
DRAIN HOLE, BY MFR PAVING PER PLANS

- WOOD MULCH

WIDTH PER PLANS

MODULAR RAISED PLANTER

1" = 1'-0"



— OMIT BENCH AND ASSOCIATED

BUILT-IN SEATING

5½" 3½" 3½"

FRAMING ON ONE SIDE FOR TABLES ADJACENT TO RAISED PLANTER WITH

4'-9"

— WOOD BENCH AND TABLETOP SLATS ——— (MODIFIED WOOD PRODUCT, UNTREATED KEBONY OR EQUAL). BOLTED TO METAL

FRAME, EQUAL SPACING BETWEEN SLATS

TYP.

ELEVATION

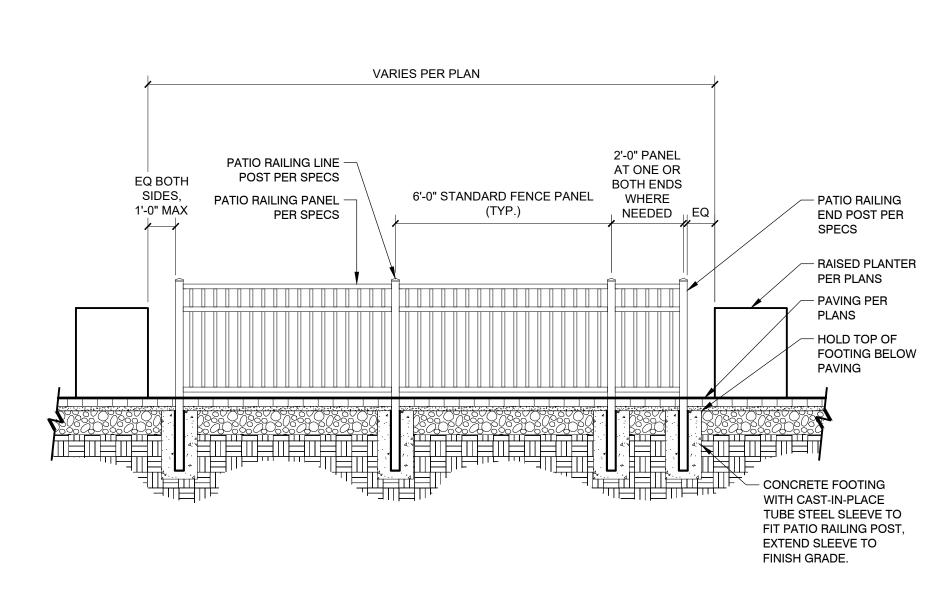
FILLET WELD CONNECTIONS TYP.

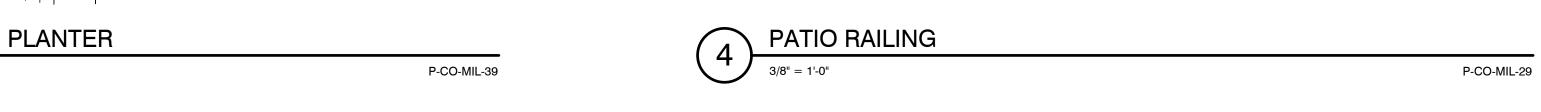
- GALV.STEEL PICNIC BENCH FRAME, -

1/2" THICK X 4" WIDE, POWDERCOAT FINISH, COLOR 'RUST' TO MATCH

MODULAR RAISED PLANTER TYPE A

3¹/₂" 3¹/₂" 5¹/₂"

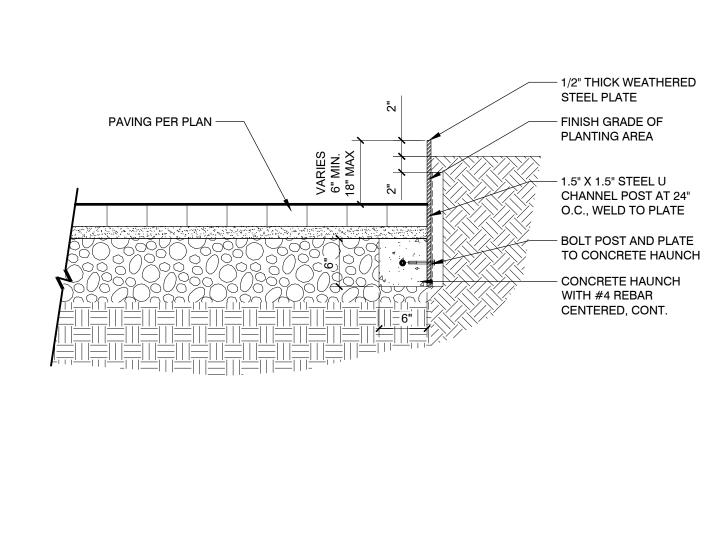




8'-0"

PROVIDE TWO ADA-COMPLIANT TABLES WITH SHORTENED BENCH ON ONE SIDE

2" DIA. UMBRELLA HOLE IN CENTER SLAT, CENTERED IN TABLE



7	RAISED PLANTER EDGE	
	1" = 1'-0"	P-CO-MIL-50

SUBMITTAL DESCRIPTION

STAMP

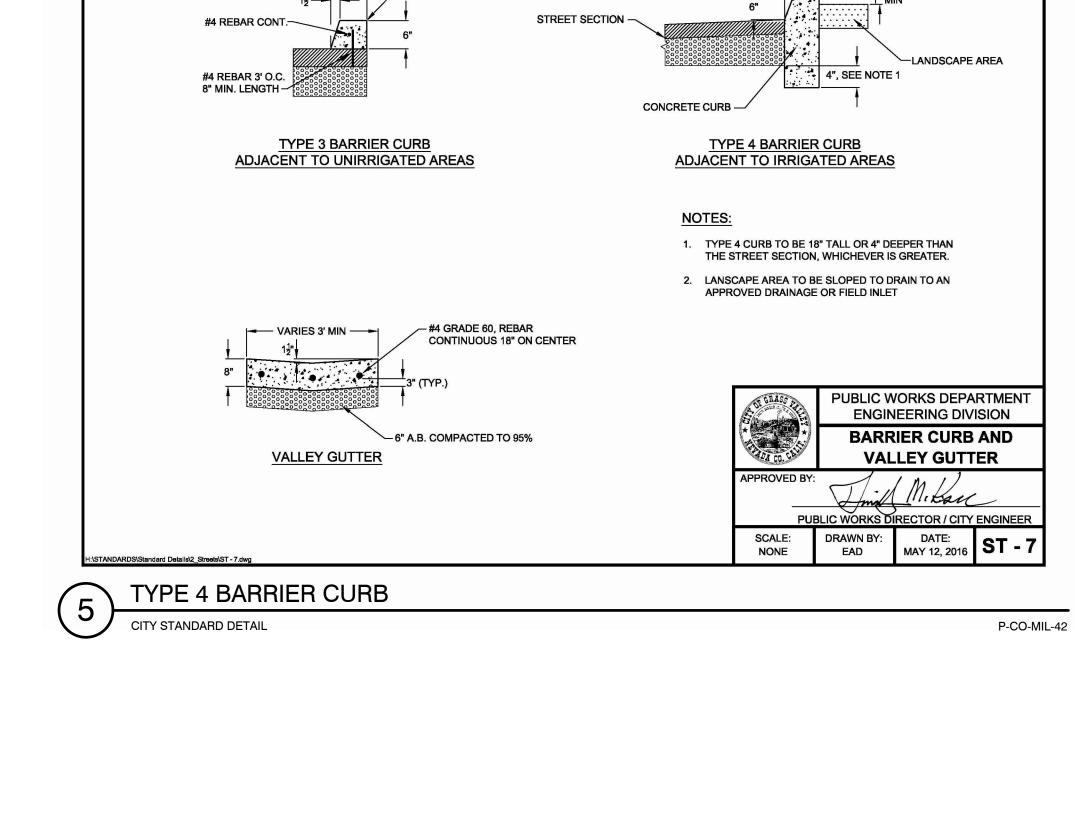
11.17.21 DATE: _ AS SHOWN SCALE:

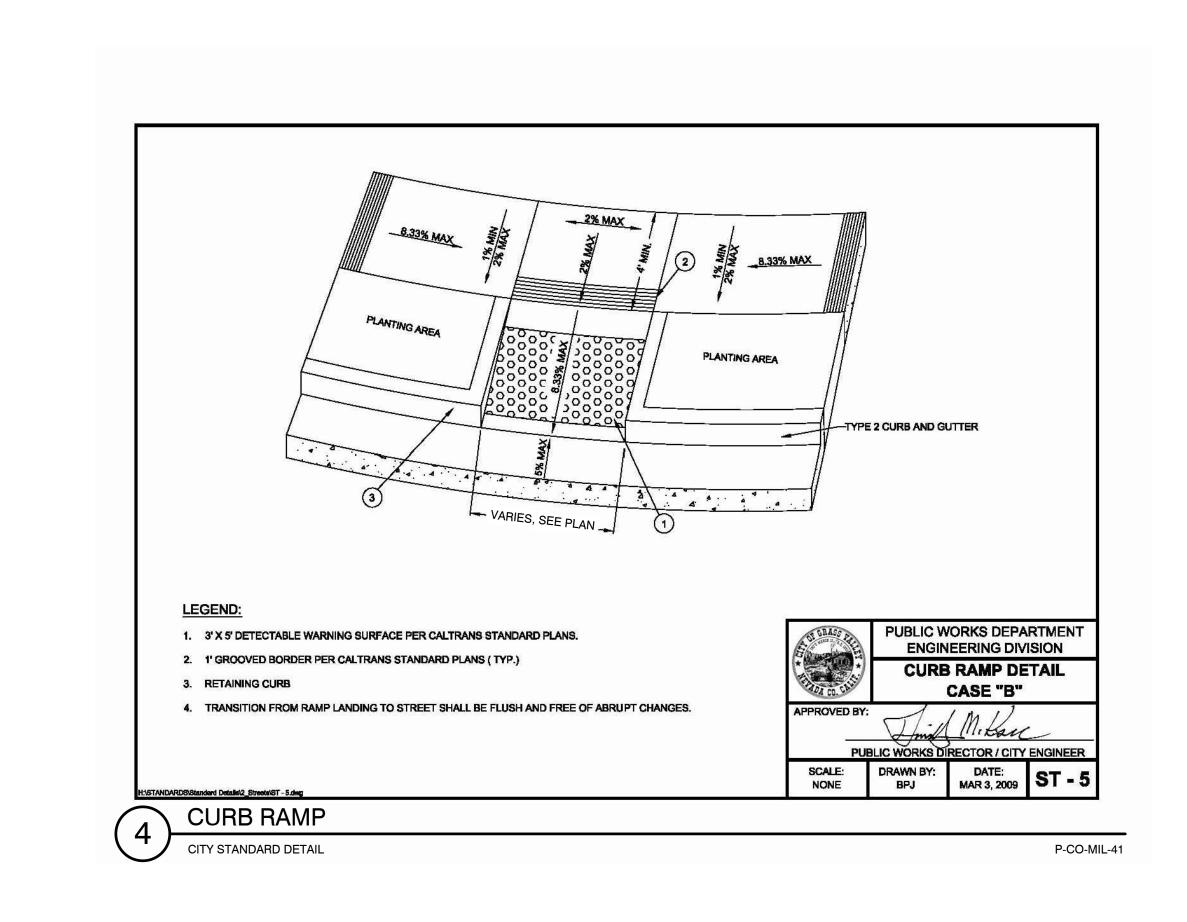
DRAWN BY: CHECKED BY: SHEET NAME:

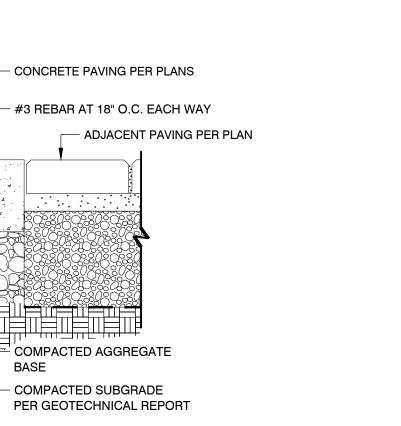
CONSTRUCTION **DETAILS**

SHEET NUMBER:

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- 8" x 4" x 2-3/4" PINE HALL BRICK PAVERS CONCRETE BAND — EXISTING ASPHALT (ASTM C1272 - TYPE R) COLOR TO BE ATTACHED TO SLAB SELECTED BY THE DESIGNER - SEE 3/L1.5 --- 1-2" WEEP HOLE-FOR PATTERN, SLOPE PER PLAN LOCATE 24" O.C. AT LOWEST POINT. SCREEN AS NECESSARY — 1/16" MIN -- 3/16" MAX. SAND FILLED JOINTS - ASTM C33 JOINT SAND STABILIZER (OPTIONAL) - APPROX 1" (MAX) BEDDING SAND-ASTM C33 - REINFORCED CONCRETE SLAB WITH #4 REBAR AT 24" O.C. EACH WAY - COMPACTED CRUSHED GRAVEL 3/4" TOP SIZE ASTM D 2940- AGGREGATE SUB-BASE AS REQUIRED VARY DEPENDING ON LOADING CONDITIONS (95% COMPACTION) COMPACTION)

COMPACTED SUBGRADE (95% COMPACTION)

— 1/16" MIN - 3/16" MAX SAND FILLED JOINTS PER ASTM C33 8" X 4" X 2-3/4" PINE HALL BRICK PAVERS, HERRINGBONE PATTERN, COLOR PER SPECS, OR TRENCH DRAIN, S.C.D. AND PER PLANS ∕— 1-1/2" MAX. SAND BEDDING COURSE - CRUSED GRAVEL BASE 3/4" TOP SIZE, 95% COMPACTED, ASTM D 2940 8" MIN. DEPTH - IMPERMEABLE LINER PERFORATED DRAIN PIPE WRAPPED IN NON-WOVEN

NOTE: PAVEMENT AND AGGREGATE BASE THICKNESSES TO BE DESIGNED AND CONSTRUCTED BY DESIGN BUILD CONTRACTOR.

P-CO-MIL-27

COMPACTED AGGREGATE

COMPACTED SUBGRADE

PROVIDED ARE FOR BIDDING PUROSES ONLY. REFERENCE PROJECT GEOTECHNICAL REPORT FOR PAVEMENT SECTIONS.

NOTE: PAVEMENT AND AGGREGATE BASE THICKNESSES

VEHICULAR BRICK PAVING

PERMEABLE VEHICULAR BRICK PAVING

GEOTEXTILE SOCK

NOTE: PERMEABLE PAVEMENT AND AGGREGATE BASE THICKNESSES TO BE DESIGNED AND CONSTRUCTED BY

DESIGN BUILD CONTRACTOR.

Date: 1/29/2020

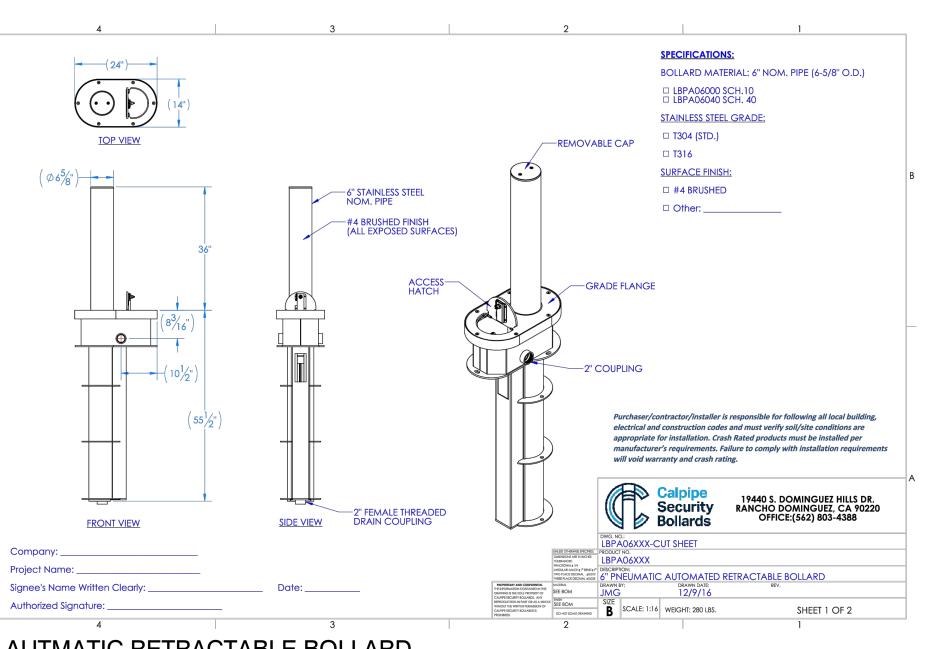
www.landscapeforms.com Ph; 800.521.2546

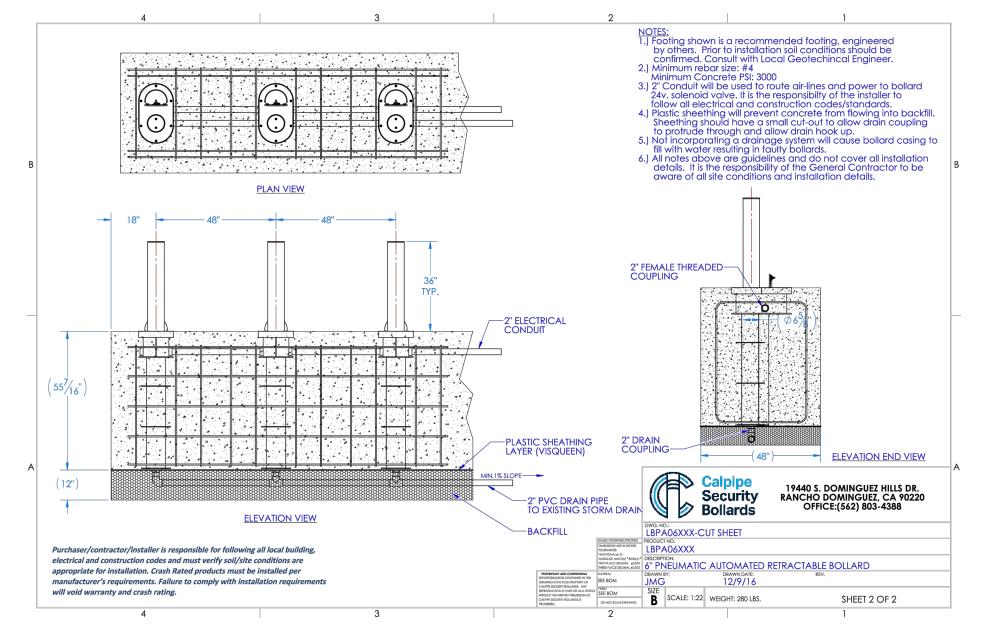
CLIENT: <u>CITY OF GRASS VALLEY</u> PROJECT NUMBER: 0069

11.17.21 AS SHOWN SCALE: DRAWN BY: **CHECKED BY:**

SHEET NAME: SITE **FURNISHING** CUTSHEETS

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AUTMATIC RETRACTABLE BOLLARD

AIR-COMPRESSOR ® SOLENOID PLUG WIRES:— SEE DWG# XXXXXXXX REF, TB5, TB6, TB7 & TB8 BOLLARD MODEL# LBPAXXXXX

AUTOMATIC RETRACTABLE BOLLARD CONTROL SYSTEM

Ø2 1/2"

GRADE

Tables Catena 30in square Top, Powdercoated, No Umbrella Hole, Catena Freestanding Support

Drawing: CT5404
Dimensions are in inches [mm]

DINING TABLE

1" = 1"

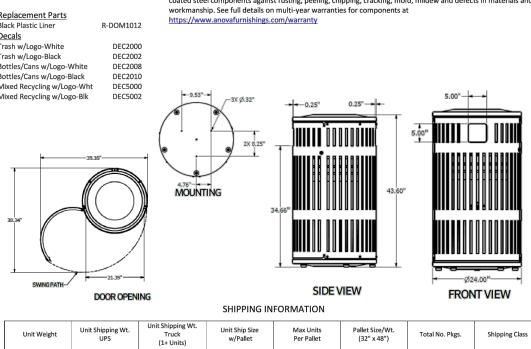
P-CO-MIL-65

Date: 12/18/2017

www.landscapeforms.com Ph: 800.521.2546

P-CO-MIL-61

211 North Lindbergh Blvd.



P-CO-MIL-60

137 lbs./unit 39 cu. ft.

RECYCLING RECEPTACLE

Saule P50 —

P50 Umbrella Colors -

Retention Warranty

Floor Plate

P50 Mounting Hardware -

Optional Add-Ons
Swivel wheels with brake for floor plate
Swivel wheels without brake for floor plate
Protection Cover

The Saule P50 umbrella is a single pole umbrella with a beautiful, modern design for commercial applications. Light and easy to use, the P50 is made from anodized aluminum and comes with two base options, a floor plate that can be anchored to the ground, or an aluminum base that can be filled with sand for added stability. The P50's fabric canopy is 100% Olefin that is water and oil resistant,

100% Olefin, Fade Resistant, Water-repellent & Stain Resistant, Mold Resistant, Easy Care, Protects from UV, and has a 5 Year Color

5269 US Hwy 158 • Advance, NC 27006 • 336.941.3446 • 336.941.3568 fax • 888.766.7706 • beaufurn.com • info@beaufurn.com

Base Plate

<u>P50 Round Umbrella</u>

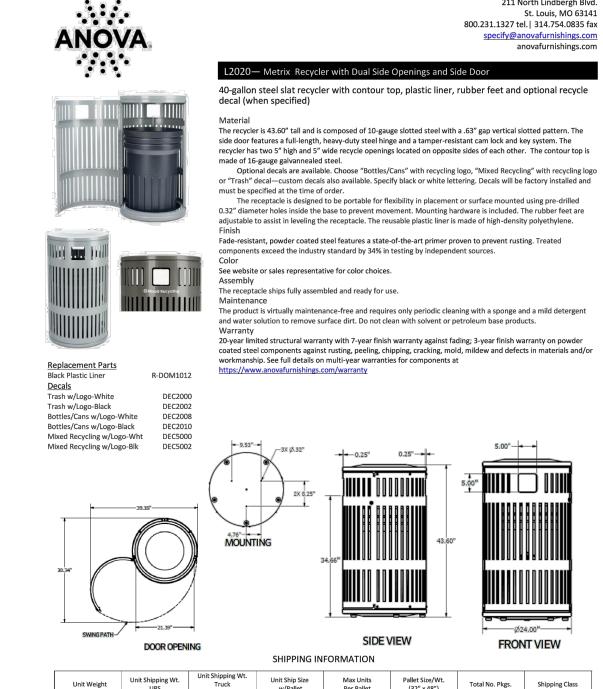
Floorplate Option 20" Square Aluminum Base Option 20" Round

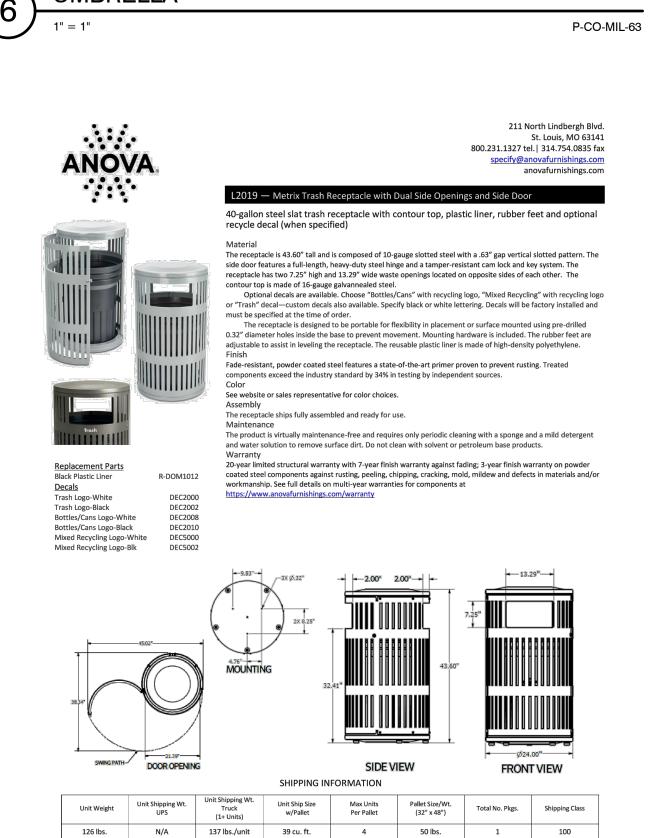
Arm and Frame have a stylish finishing in anodized aluminum

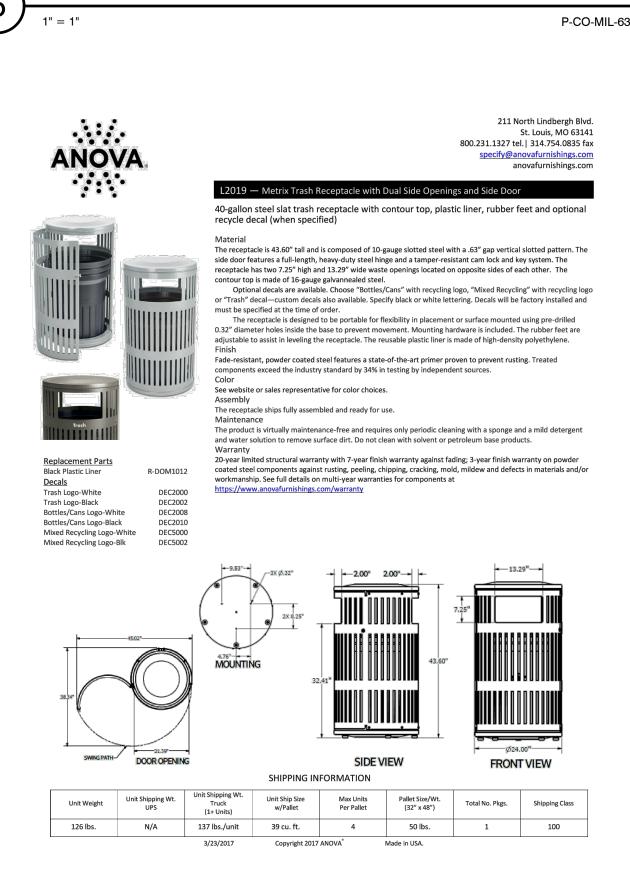
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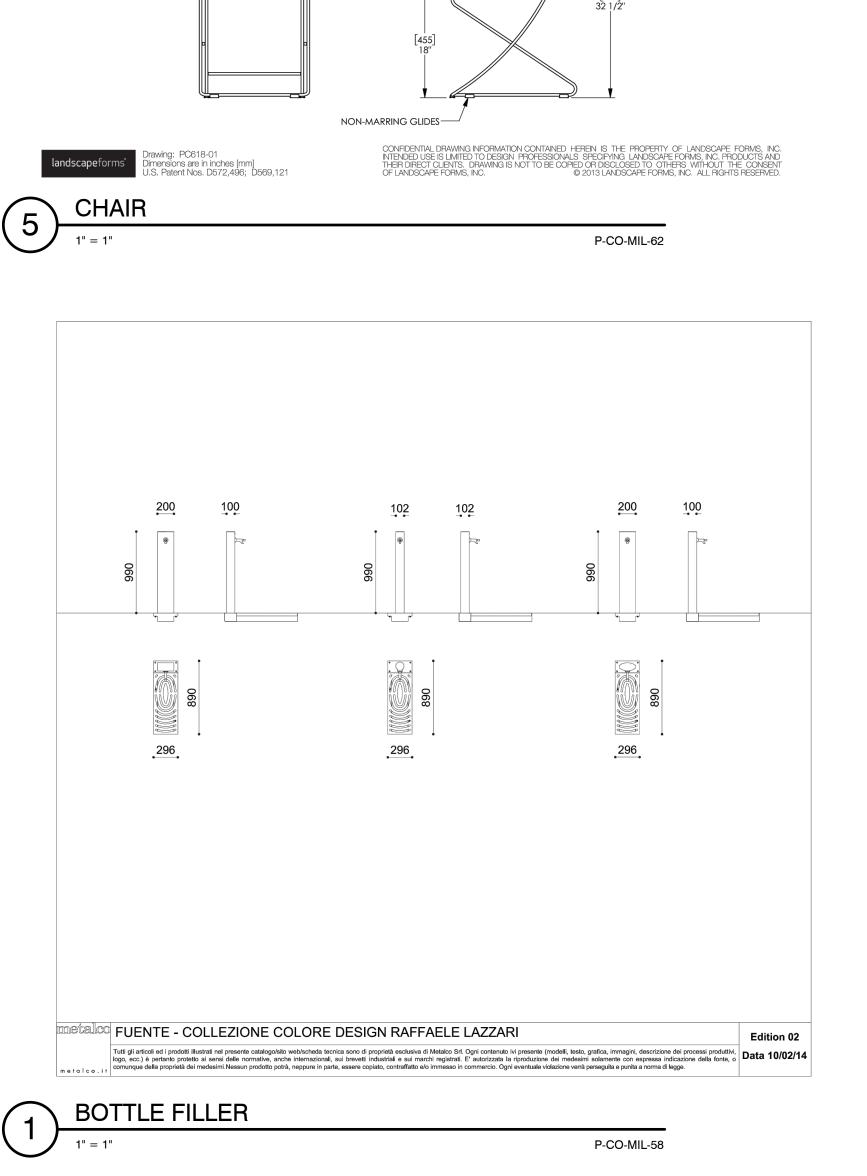
breathable, durable, and rated UPF80 for exceptional sun protection. It comes standard with a protective cover.

TRASH RECEPTACLE P-CO-MIL-59





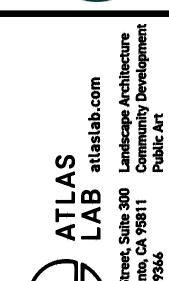




P-CO-MIL-66

Parc Centre Chair, No Arms





PROJECT INFO NAME: MILL STREET PROJECT CLIENT: CITY OF GRASS VALLEY PROJECT NUMBER: 0069

SUBMITTAL DESCRIPTION CONCEPTUAL PLANS

ISSUANCE AND REVISIONS

SCALE: **DRAWN BY** CHECKED BY:

SHEET NAME: LIGHTING

PLAN

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Luminaire Schedule										
Symbol	Qty	Fixture Type	Manufacturer and Part Number	LLF	Lumens	Watts				
	26	E1	ANP Lighting - LA142-1-CL-P117LD4D-T5-xxK	0.903	14333	117				
NOTES										

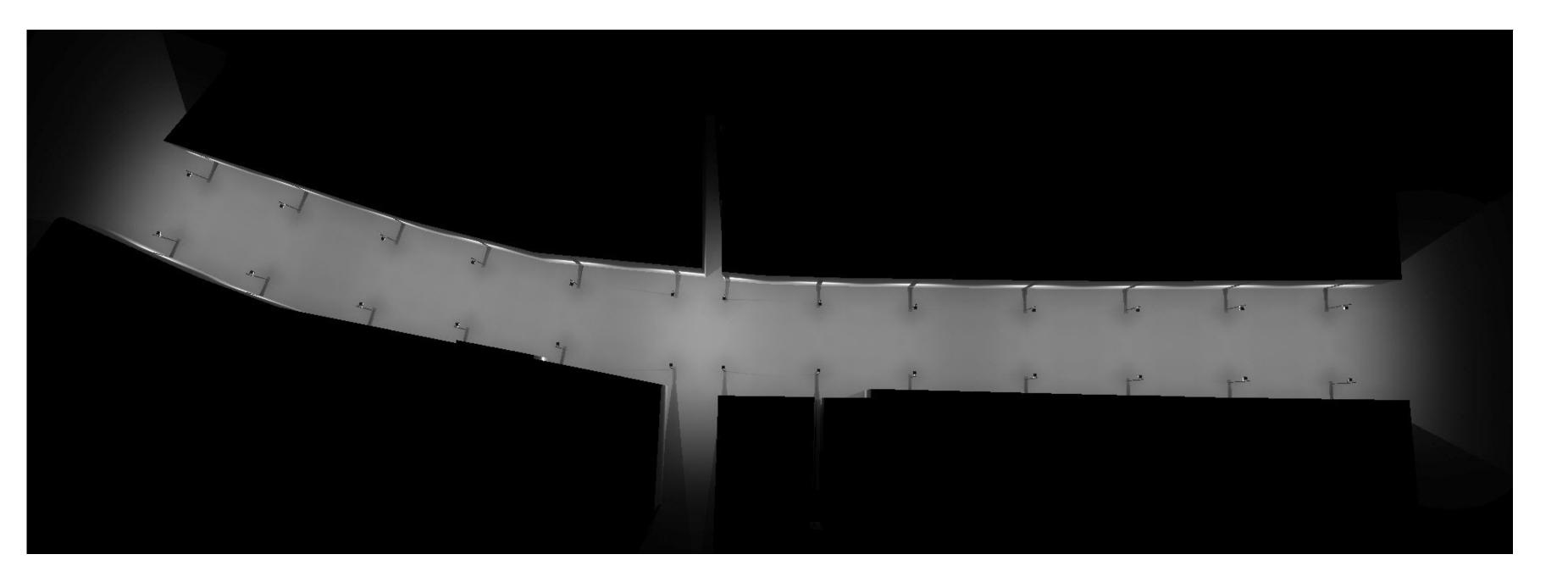
NOTES:

- 1. The luminaire fixture types and part numbers included on the schedule above are for photometric purposes only and may need to be revised for real world conditions. Please refer to the manufacturer specification sheets and make sure to confirm voltages, finishes, mounting options, dimming and control options, accessories, etc. before specifying and/or ordering the fixtures.
- 2. LLF = Light Loss Factor = Lamp Lumen Depreciation (LLD) x Lamp Dirt Depreciation (LDD) = $0.95 \times 0.95 = 0.90$
- 3. The "MH" tag beneath the fixture type designations shown in plan view indicates fixture mounting height AFG (above finished grade).

Illuminancr Calculation Summary						
Calculation Grid Description	Units	Avg	Max	Min	Avg/Min	Max/Min
Street and Sidewalks	Fc	5.70	9.7	0.4	14.25	24.25



Rendering



Plan View Rendering



Pole Lighting Only - Plan View - Scale: 1" = 25'-0"

GFI-WPU

4-SIDED LANTERN

▼ T.B.D. ►

PLANTER ARM

GFI-WPU

B5S20.188

OPPOSITE-SIDE HAND HOLE FOR PLANTER IRRIGATION (OTHERS)

BOLT-DOWN Ø5" SMOOTHRAIGHT POLE LENGTH = 20'-0" 0.188" WALL THICKNESS

DO NOT INSTALL POLES WITHOUT LUMINAIRES

DUNCAN

P-CO-MIL-67

LA1421CLP117LD4DT5XXKCHF

BD5S20.188 CCS1201

20A GFCI OUTLET WITH WATERPROOF IN-USE COVER (TYPE A ONLY)

OPPOSITE-SIDE HAND HOLE

2-PIECE CAST ALUMINUM CLAMSHELL

SECURITY CAMERA

CONCRETE FOOTING -

ANCHOR BOLTS (4)

LIGHT POLE TYPES A AND B

PA515

CAST ALUMINUM POST ARM

20A GFCI OUTLET WITH WATERPROOF IN-USE COVER

18 1/4"

11.17.21 DATE: _ AS SHOWN SCALE: DRAWN BY:

SHEET NAME: LIGHTING CUTSHEETS

CHECKED BY:

SHEET NUMBER:

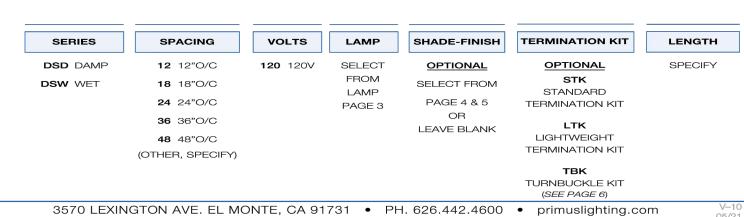
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PHOTOMETRY

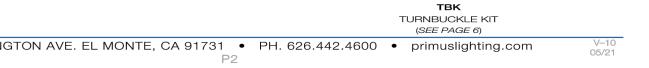
CERTIFICATION

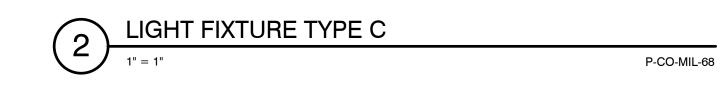
PART NUMBER

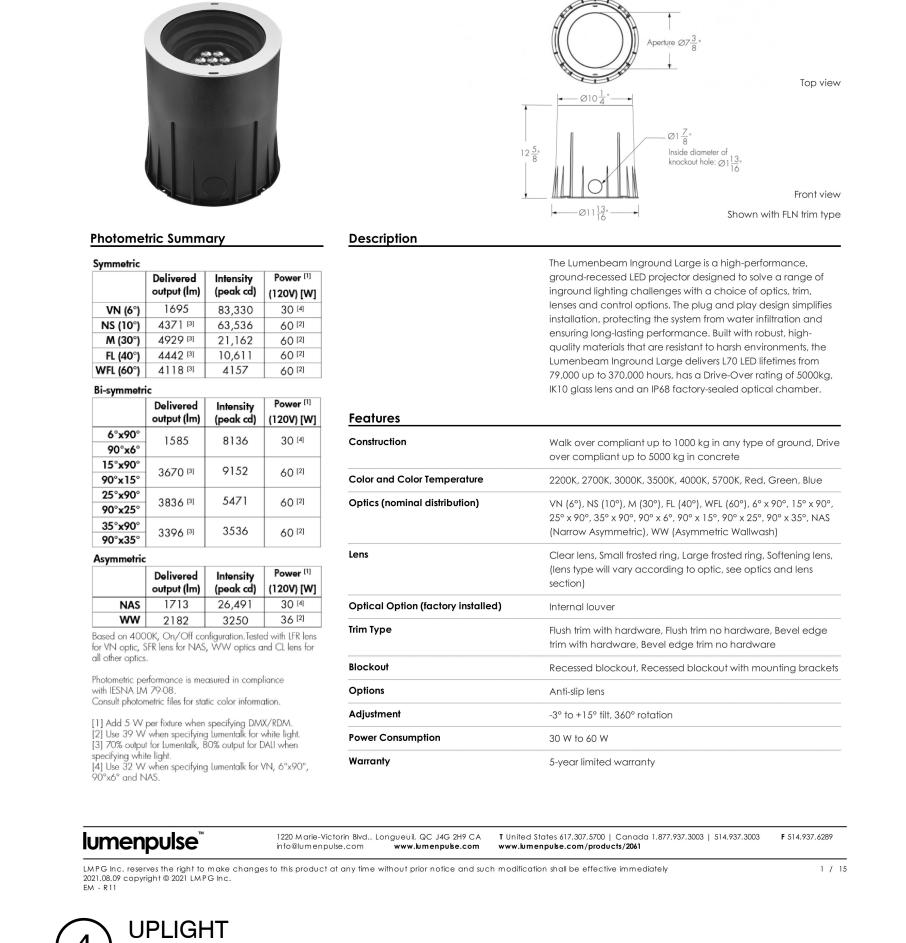


ETL listed for permenant damp or wet installations. 2001431 MADE IN THE USA

Bare lamp and shielded "BUG" rated .IES files available.







Specification Sheet

Type _____ Catalog / Part Number

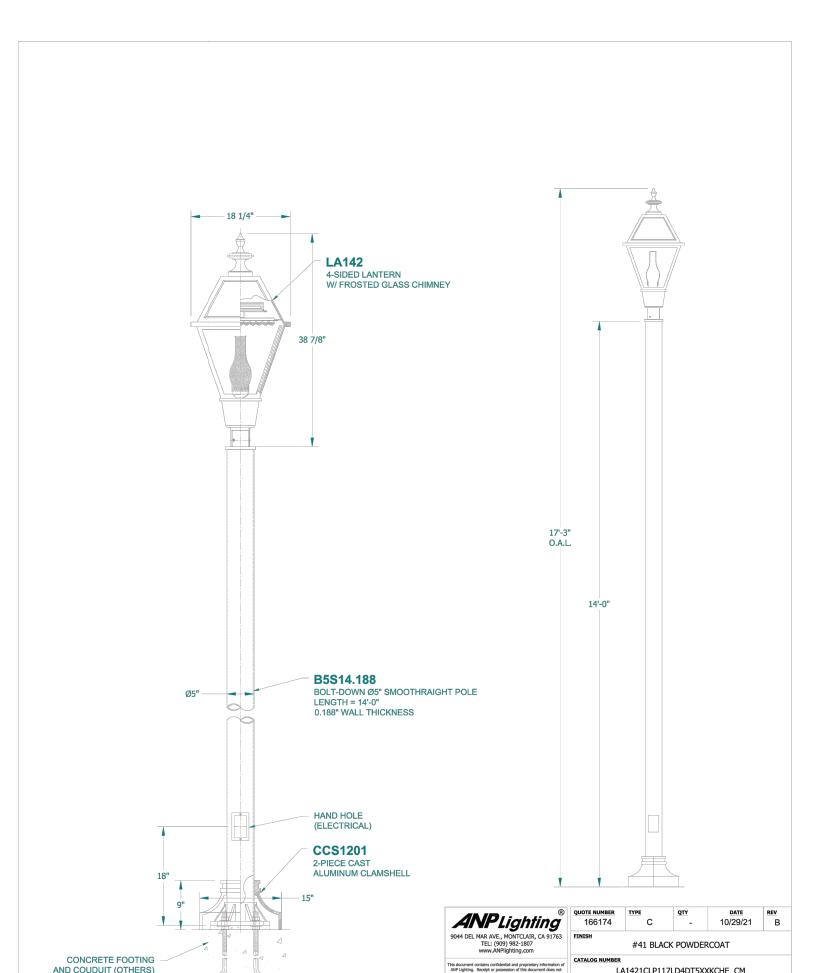
lumenbeam

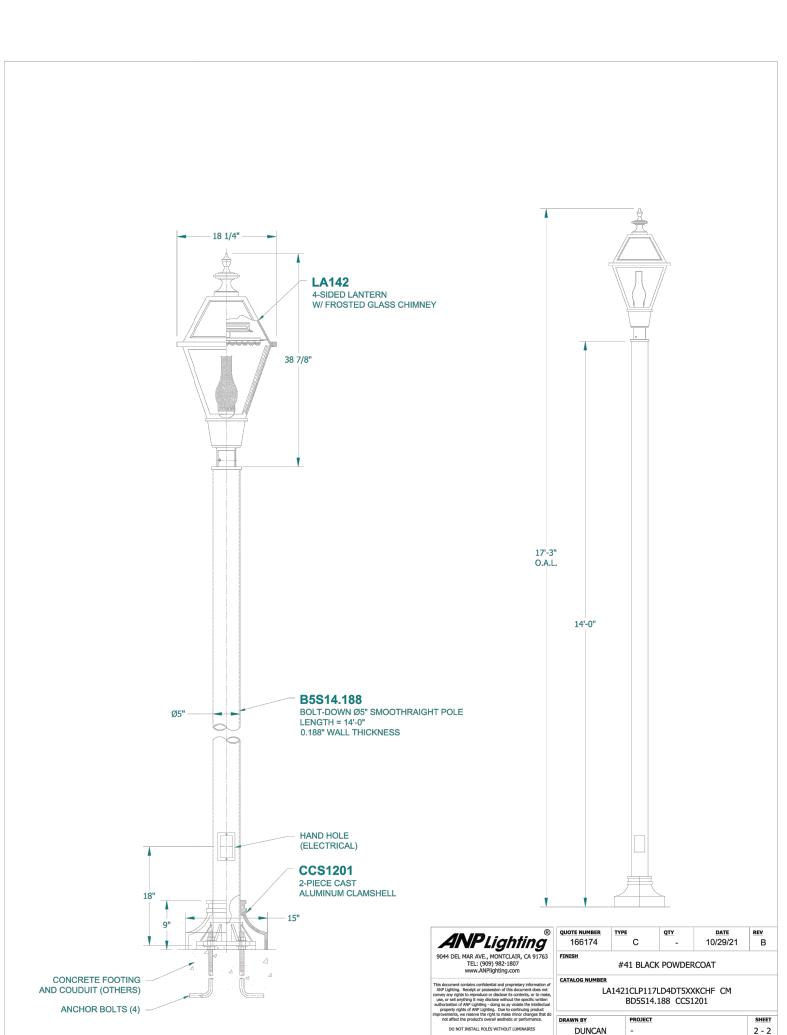
WHITE AND STATIC COLORS

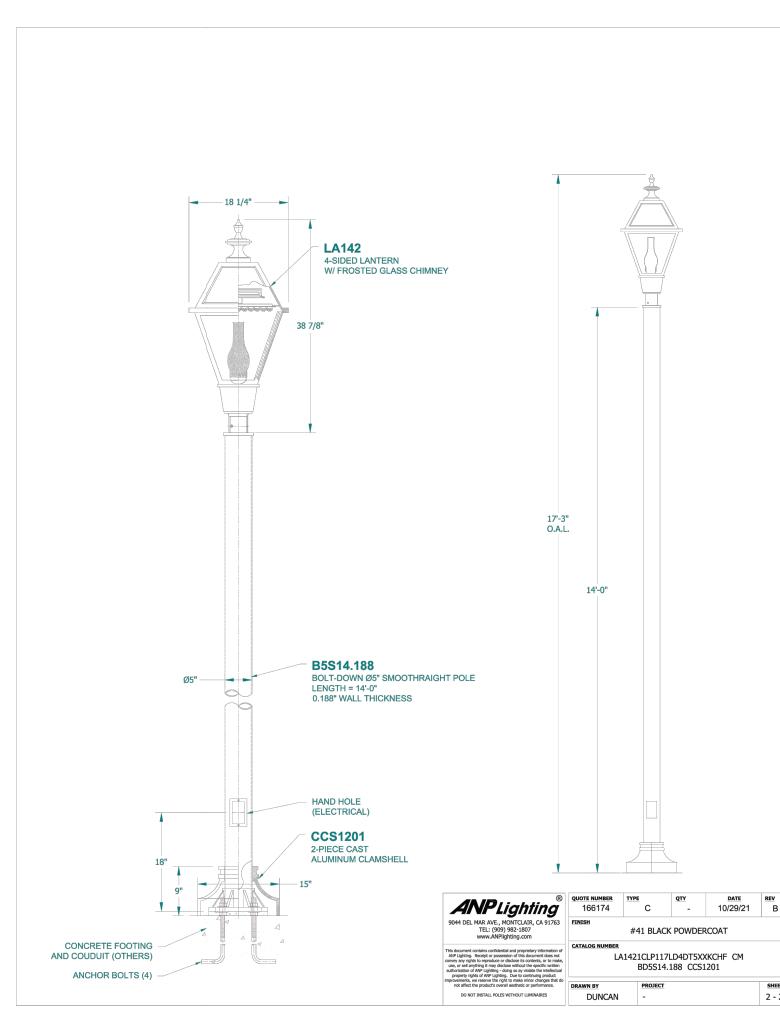
P-CO-MIL-71

Inground Large LBIL









SYMBOL	MANUFACTURER/MODEL	2	021-10 <u>PSI</u>	-13 10:2 GPM
401	Hunter RZWS-18-CV 25, 2 per symbol on opposite sides of root b	oall	40	0.50
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		
	Hunter ICZ-101-40-LF Drip Control Zone Kit. 1" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 40psi. Flow Range: .5-15 GPM. 150 mesh stainless steel screen.	4		
	Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation.	26		
	Area to Receive Dripline Netafim TLCV-04-12 Techline Pressure Compensating Landscape Dripline with Check Valve. 0.4 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. 17mm.	1,300 s.f.		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION			
•	Hunter ICV-G 1" Plastic Electric Remote Control Valves, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.			
HB	Buckner-Superior HB2F 3/4" x 3/4" Female NPT Red Brass Hose Bibb.			
MV	Hunter IBV 1" 1" Brass Electric Master Valve, Globe Configuration, with NPT Threaded Inlet/Outlet, for Commercial/Municipal Use.			
BF	Febco 825Y 1-1/2" Reduced Pressure Backflow Preventer			
C	Hunter IC-1200-M Modular Controller, 12 stations, Outdoor Model, Metal Cabinet. Commercial Use. With one ICM-600 module included.			
FS	Hunter FLOW-CLIK-100			

Flow Sensor SOV with Interface Panel, 1" Schedule 40 Sensor

Body, 24 VAC, 2 amp, install Interface Panel as required.

Pipe Sleeve: PVC Schedule 40, size to be 3x total pipe diameter within sleeve

DESCRIPTION

Conduit for future sound system: 2" PVC Schedule 40

Valve Callout

Valve Number

Valve Flow

Valve Size

Irrigation Lateral Line: PVC Schedule 40

Irrigation Mainline: PVC Class 315 SDR 13.5

SYMBOL I-01

Modular Container Irrigation System Type B 52
CWM 2914-2k 2-module large 29" round back reservoirs, 1 set for each
Modular Raised Planter Type B

CWM R1114-4k 4-module small 11" square back reservoirs, linear

configuration, 4 sets for each Modular Raised Planter Type A

Modular Container Irrigation System Type A

QTY DETAIL

432 sf

IRRIGATION NOTES

- 1. IRRIGATION SYSTEM IS DESIGNED FOR A MINIMUM OF 10 G.P.M. AND 95 PSI STATIC PRESSURE AT THE SERVICE LINE. VERIFY PRESSURE OF 95 P.S.I. AT THE SERVICE LINE PRIOR TO BEGINNING INSTALLATION OF THE IRRIGATION SYSTEM.
- 2. NOTIFY CITY REPRESENTATIVE SIX (6) DAYS PRIOR TO INSTALLATION FOR A PRE-INSTALLATION CONFERENCE AND FIELD REVIEW COORDINATION FOR TRENCH DEPTHS, ASSEMBLY REVIEW, PRESSURE TESTS, OPERATIONAL TESTS, PRE-MAINTENANCE AND FINAL REVIEWS. A CONTINUITY TEST WILL BE REQUIRED FOR CONTROL WIRE STUBOUTS.
- 3. INSTALL CONTROLLER ASSEMBLY. EXACT LOCATION OF CONTROLLER TO BE DETERMINED AT JOBSITE BY CITY REPRESENTATIVE. 120 VOLT ELECTRICAL SUPPLY IS PROVIDED IN IMMEDIATE VICINITY BY ELECTRICAL SECTION OF CONTRACT. MAKE FINAL 120 VOLT ELECTRICAL CONNECTION TO CONTROLLER. USE THIN WALL METAL CONDUIT ABOVE GRADE. PROGRAM CONTROLLER TO NOT EXCEED MAXIMUM FLOW RATE STATED IN NOTE NO. 1. INSTALL PER MANUFACTURERS SPECIFICATIONS. CONTROLLER SHALL BE PROPERLY GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND CONFORM TO LOCAL REGULATIONS. INSTALL AS DETAILED. SEAL CONDUIT HOLES WITH SILICONE OR ACCEPTED SUBSTITUTE. CARE SHALL BE TAKEN TO PREVENT RUNOFF OF WATER AND SLOPE/SOIL EROSION DUE TO PROLONGED APPLICATIONS OF WATER. PROGRAM CONTROLLER PER MANUFACTURERS WRITTEN SPECIFICATIONS TO PROVIDE PROPER AUTOMATIC WEATHER BASED SCHEDULE ADJUSTMENTS.
- 4. INSTALL EQUIPMENT AS DETAILED. INSTALL R.C.V. ID TAGS MANUFACTURED BY T. CHRISTY ENT. STANDARD SIZE, 1 1/8" HOT STAMPED BLACK LETTERS ON YELLOW BACKGROUND ON SOLENOID WIRES. LETTERS TO CONFORM TO CONTROLLER/STATION NUMBER.
- 5. TREE BUBBLERS SHALL HAVE RISER ASSEMBLIES AS DETAILED.
- 6. INSTALL CHECK VALVES AS NEEDED TO ENSURE NO LOW HEAD DRAINAGE.
- 7. ALL VALVE CONTROL WIRE SHALL BE MINIMUM AWG NO. 14 COPPER UL APPROVED FOR DIRECT BURIAL IN GROUND. CONNECT WIRES WITH 3M DBY CONNECTIONS PER MANUFACTURER SPECIFICATIONS. RUN ONE (1) EXTRA CONTROL WIRE OF A DIFFERENT COLOR THROUGH ALL VALVE LOCATIONS FROM CONTROLLER. ALL WIRE AT VALVES SHALL HAVE 24" COILED LOOP IN VALVES BOXES. TAPE WIRES IN BUNDLES EVERY TEN FEET IN PLANTING AREAS.
- 8. PIPE AND WIRING UNDER PAVEMENT SHALL BE INSTALLED AT A TWENTY FOUR INCH (24") DEPTH BELOW GRADE. PIPE AND WIRING UNDER PAVEMENT SHALL BE INSTALLED IN PVC SCHEDULE 40 SLEEVING AND ELECTRICAL CONDUIT. SLEEVING AND ELECTRICAL CONDUIT SHALL EXTEND TWELVE INCHES (12") BEYOND EDGE OF PAVEMENT OR CURB. SURROUND PIPE WITH SAND IN AREAS WHERE ROCKY TERRAIN IS ENCOUNTERED.
- 9. AT JOB COMPLETION SUPPLY CITY WITH TWO (2) SETS OF KEYS FOR CONTROLLER.
- 10. REVIEW DRIP COMPONENTS, EQUIPMENT AND INSTALLATION TECHNIQUES WITH MANUFACTURER'S REPRESENTATIVE. SPECIAL ATTENTION SHALL BE PAID WHEN COORDINATING INSTALLATION OF PLANT MATERIALS AND DRIP SYSTEM. AVOID CONFLICTS BETWEEN INSTALLATION OF DRIP TUBING AND PLANT LOCATIONS. IF CONFLICTS IN INSTALLATION LOCATIONS OCCUR, THEN PLANT INSTALLATION LOCATIONS SHALL HAVE PRIORITY. LAYOUT SHOWN IS DIAGRAMMATIC ONLY. FOLLOW SPACING REQUIREMENTS INDICATED ON INSTALLATION DETAIL AND MANUFACTURERS SPECIFICATIONS.
- 11.PROVIDE LITERATURE OF DRIP SYSTEM COMPONENTS INCLUDING ANY PREVENTATIVE MAINTENANCE AND TROUBLE SHOOTING GUIDES TO CITY AND REVIEW MAINTENANCE PROCEDURES INCLUDING:

CLEANING FILTER IN WYE STRAINERS
REPAIRING BREAKS IN PIPES AND RISERS
ADDING EMITTERS OR TUBING FOR EXPANSION/INSTALLING PLUGS

ETWU (Estimated Total Water Use)

Valve #	Plant	Plant	Irrigation	Irrigation	ETAF	Area	ETAF x	ETWU
	Туре	Factor	Method	Efficiency	(PF/IE)	(f†²)	Area	(Eto) (0.62) (ETAF) (Area)
Α	Med	0.5	Tree Bubbler	0.81	0.62	525	324	10,066
В	Low	0.2	In-line Drip	0.81	0.25	775	191	5,944
				0.40	1,300	515	16,010	

MAWA (Maximum Applied Water Allowance)

Eto	0.62	ETAF	Area	MAWA
			(ft²)	(Eto) (0.62) (ETAF) (Are
50.1	0.62	0.45	1,300	18,17

The ETWU (16,010) is less than the MAWA (18,171), therefore this design complies with the California Code of Regulations Title 23, Waters - Model Water Efficient Landscape Ordinance.







PROJECT INFO

NAME: MILL STREET PROJECT
CLIENT: CITY OF GRASS VALLEY
PROJECT NUMBER: 0069

SUBMITTAL DESCRIPTION

CONCEPTUAL PLANS

ISSUANCE AND REVISIONS

STAMP

 DATE:
 11.17.2

 SCALE:
 AS SHOW!

 DRAWN BY:
 BCC

SHEET NAME:

CHECKED BY:

IRRIGATION
NOTES AND
LEGEND
SHEET NUMBER:

LZ.I

ISSUANCE AND REVISIONS

STAMP

11.17.21 AS SHOWN SCALE: DRAWN BY:

SHEET NAME: IRRIGATION

PLAN

PROJECT NUMBER: 0069

SHEET NAME: **PLANTING** PLAN

SHEET NUMBER:

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PLANT SCHEDULE						
TREES	CODE	BOTANICAL / COMMON NAME	CONT	SPACING	WATER USE	

TREES	CODE	BOTANICAL / COMMON NAME	CONT	SPACING	WATER USE		QTY	2021-11-17 10:32 WATER USE
	ACE JOG	Acer japonicum 'Bloodgood' / Bloodgood Maple	24" box	Per plan	Med		2	Medium
•	ACE UBS	Acer truncatum x platanoides 'JFS-KW187' TM / Urban Sunset Maple	24" box	Per plan	Med		16	
- E	COR RBR	Cornus florida 'Rubra' / Red Flowering Dogwood	24" box	Per plan	Med		5	Medium - High
• 5	NYS ELD	Nyssa sylvatica 'JFS-red' TM / Firestarter Tupelo	24" box	Per plan	Med		11	Medium - High
	PAR VAN	Parrotia persica 'Vanessa' / Vanessa Persian Parrotia	24" box	Per plan	Med		5	Low - Medium
SHRUBS	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING	WATER USE	SPACING	QTY	WATER USE
\odot	ARC MAS	Arctostaphylos uva-ursi 'Massachusetts' / Massachusetts Kinnikinnick	1 gal.	48" O.C.	Low	48" o.c.	19	Medium
\Leftrightarrow	FES GLA	Festuca glauca 'Elijah Blue' / Elijah Blue Fescue	1 gal.	12" O.C.	Low	12" o.c.	168	Low
	LAU LIT	Laurus nobilis 'Little Ragu' / Little Ragu Sweet Bay	5 gal.	Per plan	Low	60" o.c.	4	Low - Medium
AND	LOM LON	Lomandra longifolia 'Breeze' TM / Breeze Mat Rush	1 gal.	30" O.C.	Low	30" o.c.	126	Low - Medium
\bigcirc	PIN MOP	Pinus mugo 'Mops' / Mops Mugo Pine	1 gal.	36" O.C.	Low	36" o.c.	12	Low - Medium
+	SED AUT	Sedum x 'Autumn Joy' / Autumn Joy Sedum	1 gal.	18" O.C.	Low	18" o.c.	97	Low
	TEU CHA	Teucrium chamaedrys / Germander	1 gal.	24" O.C.	Low	24" o.c.	50	Low - Medium

DESCRIPTION

TYPICAL PLANTING - RAISED PLANTER WITH BUILT-IN SEATING 1/L3.1

TYPICAL PLANTING - MODULAR RAISED PLANTER TYPE A

PLANTING NOTES

- 1. ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH PLANTING WORK AND UNDER THE SUPERVISION OF A QUALIFIED PLANTING FOREMAN.
- 2. ALL QUANTITIES AND PLANT COUNTS ARE CONCEPTUAL FOR DESIGN BUILD CONTRACTOR PROCUREMENT.
- 3. PLANT MATERIAL LOCATIONS SHOWN ARE DIAGRAMMATIC AND MAY BE SUBJECT TO CHANGE IN THE FIELD. PLANT LOCATIONS ARE TO BE ADJUSTED IN THE FIELD AS NECESSARY TO SCREEN UTILITIES, BUT SHALL NOT BLOCK WINDOWS, BLOCK SIGNS NOR IMPEDE ACCESS.
- 4. THE DESIGN INTENT OF THE PLANTING PLAN IS TO ESTABLISH AN ATTRACTIVE MATURE LANDSCAPE APPEARANCE. FUTURE PLANT GROWTH WILL NECESSITATE TRIMMING AND IN SOME CASE REMOVAL OF TREES AND SHRUBS AS AN ON-GOING MAINTENANCE PROCEDURE.
- 5. ALL PLANTING AREA MUST BE IRRIGATED WITH AUTOMATIC IRRIGATION SYSTEM. IRRIGATION SYSTEM SHALL BE FULLY AUTOMATED AND OPERATIONAL WITH FULL COVERAGE PRIOR TO PLANTING.
- 6. CONTRACTOR TO REVIEW ALL EXISTING, PROPOSED, & AS BUILT UTILITY PLANS PRIOR TO CONSTRUCTION. CONTRACTOR TO TAKE PRECAUTIONS IN EXCAVATION OF ALL TREE PLANTING PITS.
- 7. CONTRACTOR MUST REVIEW ALL PLANS PRIOR TO THE BEGINNING OF CONSTRUCTION AND MAINTAIN THE FOLLOWING CLEARANCES FOR ALL TREE PLANTINGS. CONTRACTOR TO TAKE PRECAUTION IN ALL EXCAVATION ACTIVITY. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO

FIRE HYDRANTS AND PIVS: 3' MINIMUM

LIGHT POLES: 10' MINIMUM UTILITIES: 3' MINIMUM

8. PROCUREMENT OF PLANT MATERIAL SHALL NOT BE LIMITED TO NORTHERN CALIFORNIA. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRUCKING, INSPECTIONS, AND INCIDENTALS FOR PROVIDING PLANT MATERIAL FROM SOURCES OUT OF STATE AS REQUIRED BY THE PROJECT PLANTING PLAN.

SOILS

S. AUBURN

(3) ACE UBS —

(3) ACE UBS -

CHURCH ST.

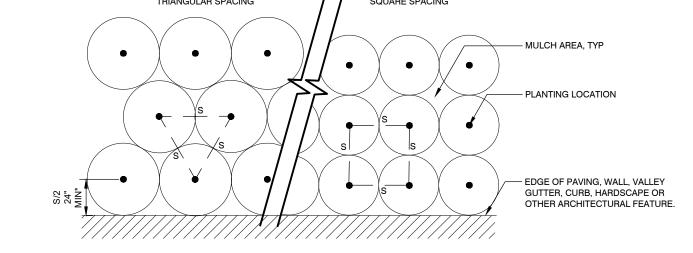
- 1. ALL SOILS IMPORTED ONTO THE SITE FOR ANY PURPOSE SUCH AS GRADING, NON EXPANSIVE FILL, FILL, OR FOR ANY GENERAL PURPOSE MUST BE SUITABLE FOR PLANTING PRIOR TO PLACEMENT. ALL IMPORT SOILS SHALL BE NON-DETRIMENTAL TO PLANT MATERIAL.
- 2. SOIL IS TO BE AMENDED, AT THE RATE INDICATED BY THE SOIL ANALYSIS, TO BRING THE SOIL ORGANIC MATTER CONTENT TO A MINIMUM OF 3.5% BY DRY WEIGHT, AND A MINIMUM OF 2" OF QUALITY RECYCLED COMPOST, ON ALL PLANTING AREAS.
- 3. ALL PLANTERS IN AREAS WHICH HAVE BEEN COMPACTED, SUCH AS ADJACENT TO BUILDINGS AND IN PARKING LOTS, SHALL BE CROSS RIPPED TO THE FOLLOWING DEPTHS: PLANTERS LESS THAN THREE FEET WIDE SHALL HAVE COMPACTION RELIEVED TO A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES BELOW SUBGRADE. PLANTERS THREE TO TEN (3-10) FEET WIDE MUST HAVE COMPACTION RELIEVED TO A MINIMUM DEPTH OF 18" BELOW SUBGRADE, PLANTERS MORE THAN 10' WIDE SHALL HAVE COMPACTION RELIEVED TO A MINIMUM DEPTH OF 12" BELOW SUBGRADE. AREAS SHALL BE PROTECTED AFTER DECOMPACTION.
- 4. SOIL FOR PLANTERS SHALL BE PER SPECIFICATIONS. SHOULD FUTURE MAINTENANCE REQUIRE REPLENISHING SOIL, IT SHALL BE PER THE MIX OUTLINED IN THE PLANTING SPECIFICATIONS.

SUBMITTALS

1. CONTRACTOR MUST SUBMIT ALL TESTS, PRODUCTS, ACCESSORIES, CUT SHEETS OF ALL ITEMS SPECIFIED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

MUNICIPAL REQUIREMENTS

1. ALL OFF-SITE PLANT MATERIAL TO BE INSPECTED & APPROVED BY CITY REPRESENTATIVE AND LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



A. S= PLANT SPACING DISTANCE ON CENTER, SEE CHART B. FOR USE AS A GUIDE FOR SHRUBS AND GROUNDCOVER WHEN PLANTS ARE SPACED EQUIDISTANT FROM EACH OTHER.

PLANT SPACING

1. CONTRACTOR TO VERIFY PERCOLATION OF PLANTING PIT PRIOR TO PLANTING. PERCOLATION RATE MUST BE 3" PER HOUR.

RAISED PLANTER WITH

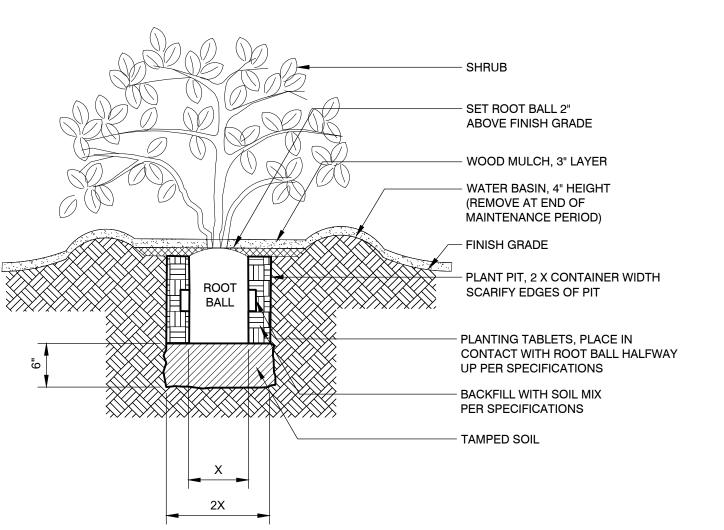
BUILT-IN SEATING

- EXISTING SIDEWALK

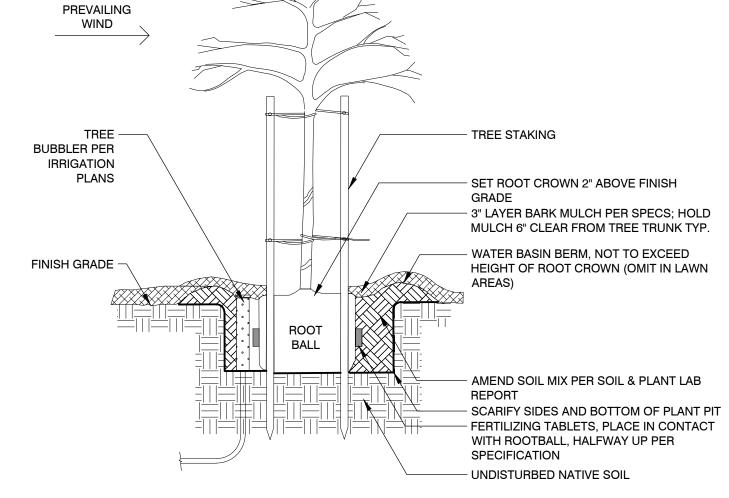
BAND PER PLANS

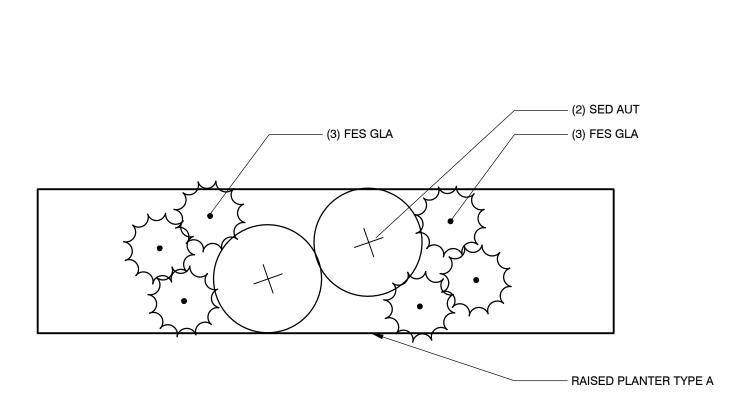
— (4) LOM LON

— TREE PER PLANTING PLAN P-CO-MIL-09



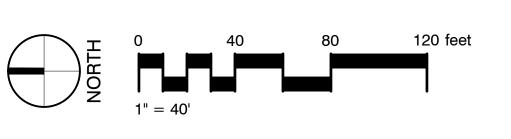
SHRUB PLANTING AT PRE-FABRICATED PLANTER











GRASS VALI

Itastab.com Indscape Architecture Ammunity Development

ATLAS
LAB atlaslab.col
1610 R Street, Suite 300 Landscape Arc
Sacramento, CA 95811 Community De

STREET PROJEC

PROJECT INFO

NAME: MILL STREET PROJECT
CLIENT: CITY OF GRASS VALLEY
PROJECT NUMBER: 0069

CONCEPTUAL PLANS

ISSUANCE AND REVISIONS

AMP

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PLANTING PLAN

SHEET NUMBER:

L3.2