

PLANS FOR THE CONSTRUCTION OF: ROSE GARDEN AND PAVILION CHICO, CALIFORNIA



PREPARED FOR:



**CHICO AREA RECREATION
AND PARK DISTRICT**
555 VALLOMBROSA, CHICO, CA 95928

PREPARED BY:



MELTON DESIGN GROUP
309 WALL STREET
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(530) 899-1616

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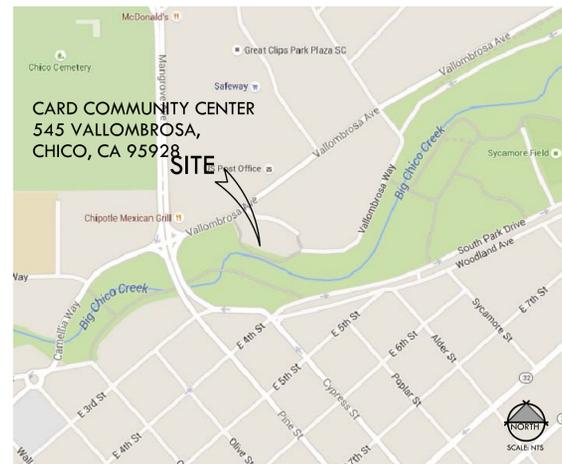
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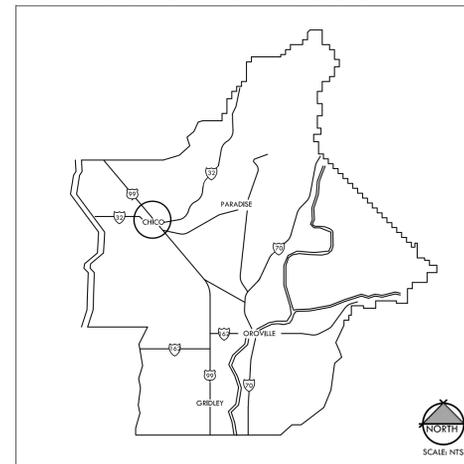
GENERAL CONSTRUCTION NOTE:

CONSTRUCTION UNDER THIS CONTRACT SHALL COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE (CBC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PUBLIC CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), AND THE 2005 CALIFORNIA ENERGY STANDARDS AS AMENDED BY THE STATE OF CALIFORNIA AND THE LOCAL JURISDICTION.

LOCATION MAP



KEY MAP OF BUTTE COUNTY



PREPARED BY OR UNDER THE SUPERVISION OF:

Greg Melton
GREG MELTON
RLA No. 4217
DATE 10/23/15

APPROVED BY:

Ann Willman
ANN WILLMAN
GENERAL MANAGER
DATE 10/29/15

LICENSE



CONSULTANT

CLIENT

**CHICO
RECREATION
AND PARK
DISTRICT**

PROJECT

**ROSE GARDEN
AND
PAVILION**

SHEET TITLE

TITLE SHEET

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
3.		
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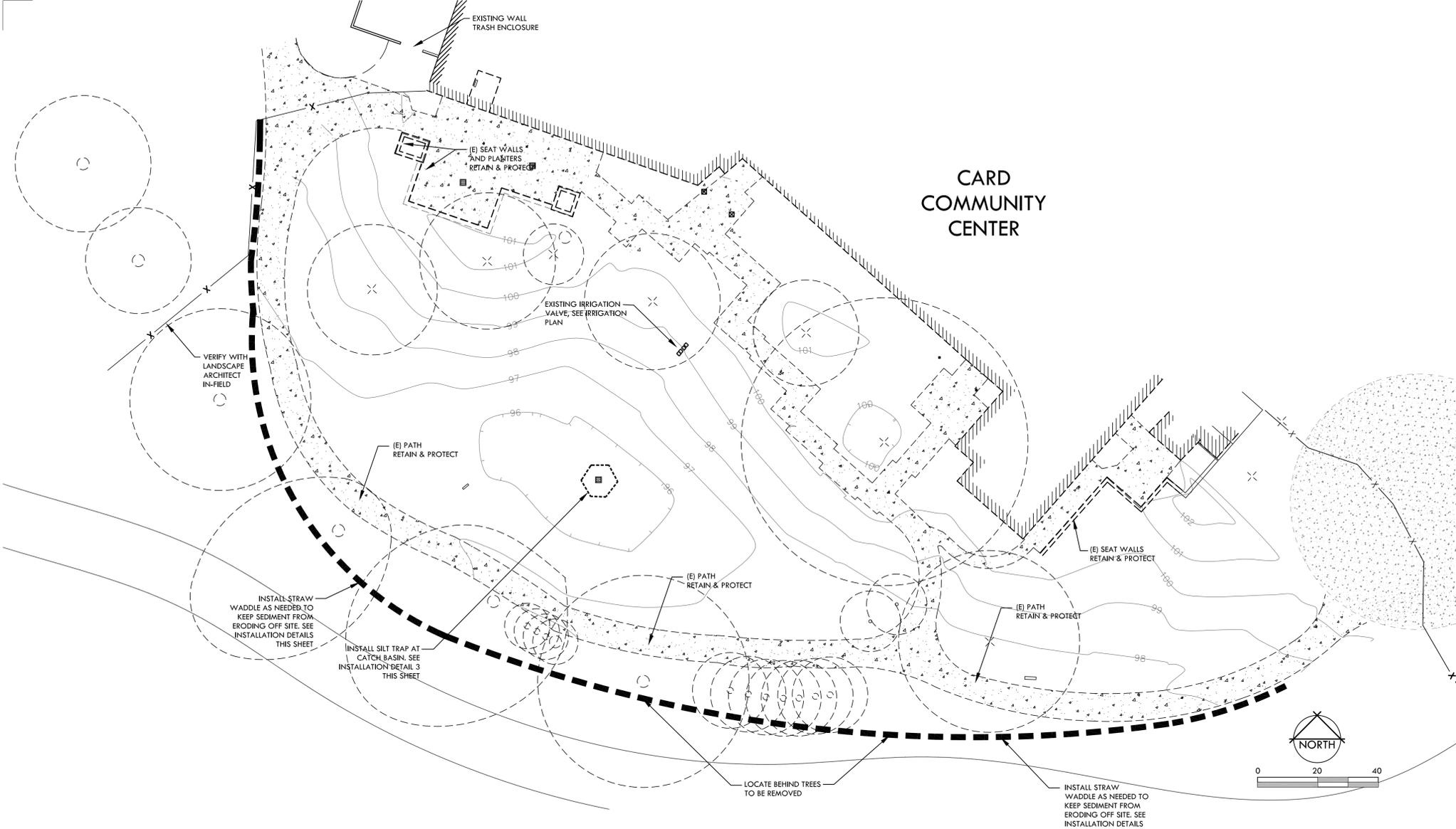
PLOT DATE: 10/29/2015

PROJECT NUMBERS

MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

SHEET NUMBER

Plot Date: October 29, 2015 - 4:37 pm File Name: G:\MDC(2000-2100)\2097 CARD Rose Garden\2097 CAD\2097 CDs\2097 L-0.0 Demo.dwg

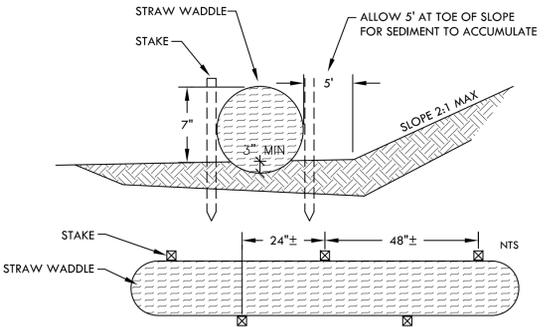


SYMBOL LEGEND

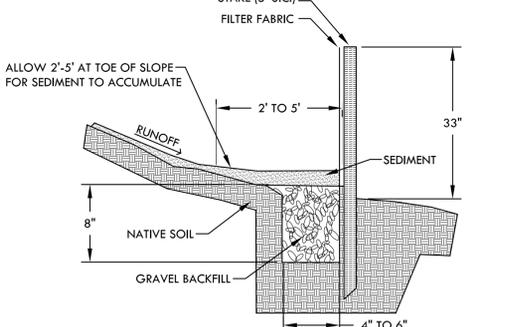
SYMBOL	DESCRIPTION	REMARKS
	EXISTING BUILDING	RETAIN & PROTECT
	EXISTING CONCRETE OR ASPHALT	RETAIN & PROTECT
	EXISTING TREES RETAIN AND PROTECT	SEE TREE PROTECTION NOTES ON SHEET L-0.1
	STRAW WADDLE OR SILT FENCE (INSTALLED BY CARD)	SEE DETAIL THIS SHEET
	CONSTRUCTION FENCE (INSTALLED BY CARD)	TEMPORARY CHAINLINK FENCE

EROSION CONTROL GENERAL NOTES

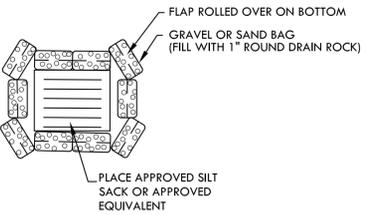
1. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CITY OF CHICO STANDARDS AND THE EROSION CONTROL PLANS SHOWN ON THE CONSTRUCTION DRAWINGS.
2. EROSION CONTROL DEVICES TO BE IN PLACE BEFORE START OF CONSTRUCTION, BY CARD
3. CARD SHALL PLACE STABILIZED CONSTRUCTION SITE ACCESS PER DETAIL THIS SHEET.
4. CARD SHALL PROVIDE STRAW BALE/SILT FENCE AT TOP OF SLOPE IN AREAS OF NEW WORK AND IN AREAS REQUIRED BY THIS EROSION CONTROL PLAN.
5. CONTRACTOR SHALL MAINTAIN ALL STRAW BALE/SILT FENCES AND OTHER EROSION CONTROL DEVICES THROUGHOUT CONSTRUCTION. SILT BUILDUP IN SILTING BASIN AREA SHALL BE REMOVED AS NECESSARY. REMOVE ALL BALES AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION.
6. INTERIM EROSION CONTROL MEASURES MAY BE NEEDED AND SHALL BE INSTALLED DURING CONSTRUCTION TO ASSURE ADEQUATE EROSION CONTROL FACILITIES ARE IN PLACE AT ALL TIMES.
7. AFTER THE HARDSCAPES ARE COMPLETED GRAVEL BAGS, FILTER FABRIC AND DRAIN ROCK SHALL BE PLACED AROUND EACH DROP INLET.
8. ALL MULCH MAY BE STRAW OR RICE. ALL MULCH SHOULD BE USED WITH A TACKIFIER.
9. ALL SANDBAGS MAY BE GRAVEL OR SAND FILLED BAGS UNLESS SPECIFIED DIFFERENT.
10. ALL SLOPES GREATER THAN 10% AND LESS THAN 50% THAT ARE FREE OF VEGETATION SHALL HAVE EARTHGUARD APPLIED OR MULCH SPREAD AND TACKED DOWN PRIOR TO A 30% CHANCE OF RAIN.
11. WORK IN AND AROUND THE CREEK SHALL BE AVOIDED EXCEPT AS SHOWN ON PLANS. VEHICLES AND MACHINERY SHALL BE STORED AS FAR AS POSSIBLE FROM THE RIVER AND NO FUELING OF EQUIPMENT IS ALLOWED WITHIN 100' OF THE RIVER.
12. DUST CONTROL MEASURES IN THE FORM OF WATER APPLICATION TO ALL EXPOSED SOIL SURFACES TO PREVENT THE TRANSPORT OF SOIL FROM EXPOSED SURFACES ON CONSTRUCTION SITES IN THE FORM OF AIRBORNE PARTICULATES. WATERING OF EXPOSED SOIL SURFACES SHALL OCCUR AT LEAST TWICE DAILY, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS DONE FOR THE DAY. ALL CLEARING, GRADING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE WHEN WINDS EXCEED 15 MPH AVERAGED OVER 1 HOUR.
13. ANY SOIL MATERIAL CARRIED ONTO STREET SURFACES BY CONSTRUCTION EQUIPMENT SHALL BE REMOVED ON A DAILY BASIS. (BROOM CLEAN- DO NOT USE WATER TO WASH THE STREET).
14. THE CONTRACTOR MAY PROVIDE CATCH BASIN FILTERS TO HELP REMOVE SEDIMENTS, OIL & GREASE AND HEAVY METALS FROM STORM WATER RUNOFF.
15. HAUL TRUCKS SHALL BE COVERED WITH TARPULINS OR OTHER EFFECTIVE COVERS AT ALL TIMES.
17. PRIOR TO PLACEMENT OF LANDSCAPING AND/OR FINISHED GROUND SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW BALES/SILT FENCES AND TUCKED LOOSE STRAW).



1 TYPICAL STRAW WADDLE
EROSION CONTROL FILTER



2 TYPICAL SILT FENCE
NTS



3 TYPICAL SILT TRAP AT CATCH BASIN
(AFTER PAVED STREETS) NTS

GRAVEL BAGS AND DRAIN ROCK ARE TO REMAIN UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED.



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LICENSE



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RECREATION
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DISTRICT

PROJECT

ROSE GARDEN
AND
PAVILION

SHEET TITLE

EROSION CONTROL
PLAN

DATES

NO.	DESCRIPTION	DATE
1.	CITY SUBMITTAL	10/27/2015
2.		
3.		
4.		
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PLOT DATE: 10/27/2015

PROJECT NUMBERS

MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

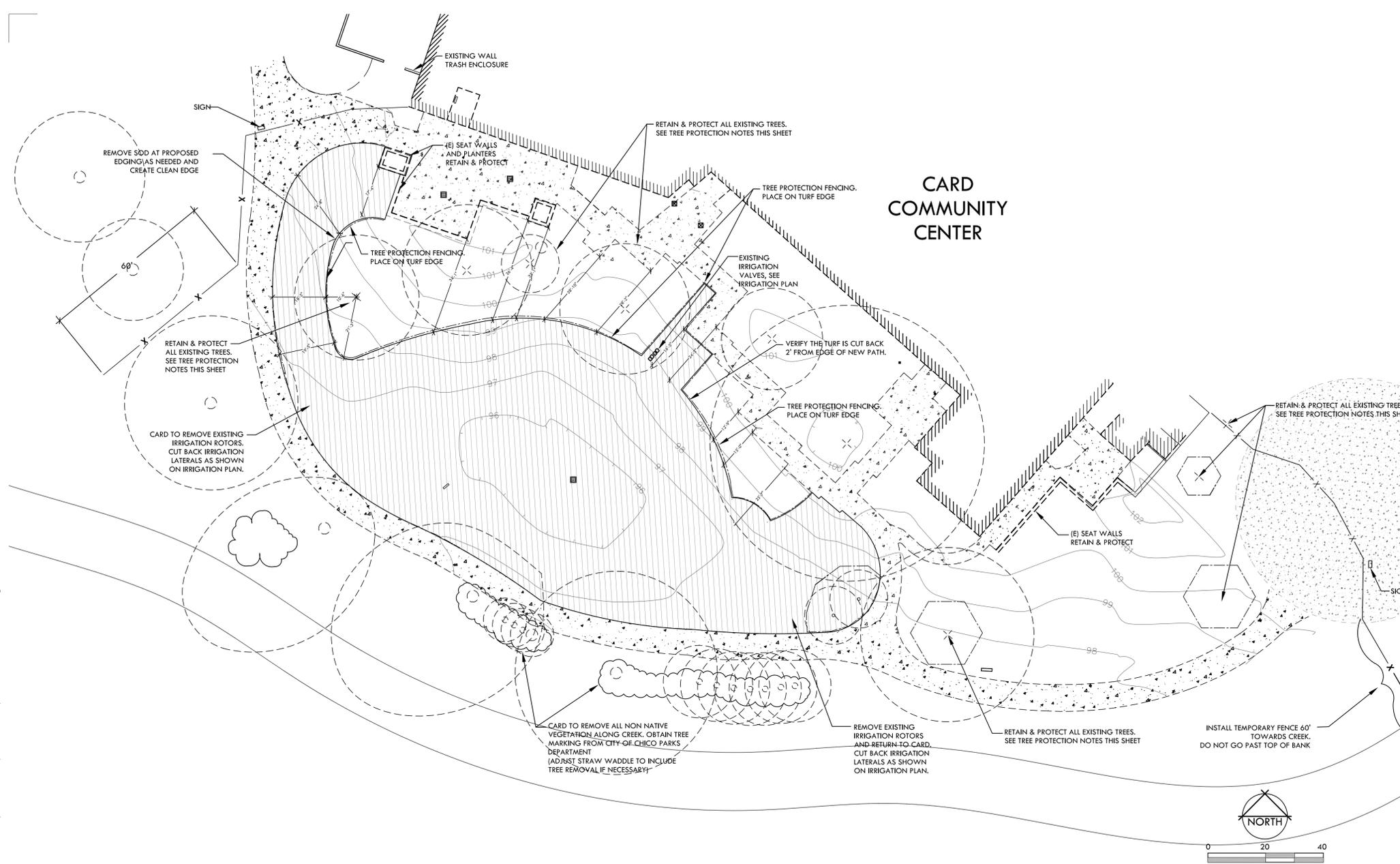
SHEET NUMBER

L-0.0



TWO WORKING DAYS BEFORE YOU DIG

Plot Date: October 29, 2015 - 4:37 pm File Name: G:\MDC(2000-2100)\2097 CARD Rose Garden\2097 CAD\2097 CDs\2097 L-0.0 Demo.dwg



SYMBOL LEGEND

SYMBOL	DESCRIPTION	REMARKS
	EXISTING BUILDING	RETAIN & PROTECT
	EXISTING CONCRETE OR ASPHALT	RETAIN & PROTECT
	EXISTING TURF REMOVAL (BY CARD)	SEE CONSTRUCTION & GRADIENT PLANS
	EXISTING TREES RETAIN AND PROTECT	SEE TREE PROTECTION NOTES THIS SHEET
	CONSTRUCTION FENCE (BY CARD)	TEMPORARY CHAINLINK FENCE
	TREE CONSTRUCTION FENCE (BY CARD)	4 FOOT TEMPORARY ORANGE CONSTRUCTION FENCE BY CARD
	TREE REMOVAL (BY CARD)	BY CARD TREES MARKED BY CITY
	SIGN (BY CARD) (8.5X11) LAMINATED	PROJECT SIGN (BY CARD) MOUNT TO CHAIN LINK FENCE WITH ZIP TIES. SIGN TEXT TO BE "CHICO AREA RECREATION AND PARK DISTRICT CONSTRUCTION SITE - TEMPORARY CLOSURE OF TRAIL"

TREE PROTECTION NOTES

1. THE NATURAL GRADE AROUND THE DRIPLINE OF EXISTING TREES SHALL REMAIN UNDISTURBED DURING AND AFTER CONSTRUCTION. PREFERABLY, THE UNDISTURBED AREA SHALL BE AT DRIPLINE. THE DRIPLINE OF A TREE IS A PROJECTED RADIUS ON THE GROUND FORMED BY THE OUTERMOST EDGE OF THE TREE CANOPY.
2. WHERE GRADE CHANGES MUST OCCUR WITHIN THE DRIPLINE, THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE TREE ROOT ZONE AND PROTECT THE TREE FROM EXCESS FILL AND/OR THE REMOVAL OF EXCESS SOIL FROM THE ROOT ZONE.
3. PRIOR TO THE BEGINNING OF CONSTRUCTION, EXISTING TREES SHALL BE PRUNED TO REMOVE LIMBS WHICH MAY BE DEAD OR MAY BECOME DAMAGED DURING CONSTRUCTION. PRUNING SHALL BE PERFORMED CONSISTENT WITH ANSI A300 PRUNING STANDARDS.
4. UNDERGROUND FACILITIES AND TRENCHES, (E.G., UTILITY SERVICES, SANITARY SEWER, OR STORM DRAINAGE LINES) SHALL BE CONSOLIDATED, TO THE EXTENT FEASIBLE, AND LOCATED TO MINIMIZE IMPACTS UPON TREE ROOT SYSTEMS. ANY TRENCHING OR UNDERGROUND WORK SHOULD BE LOCATED OUTSIDE OF THE TREE DRIPLINE. ANY TRENCHING REQUIRED WITHIN THE TREE DRIPLINE SHALL BE AS FAR FROM THE TREE TRUNK AS POSSIBLE AND SHALL BE EXCAVATED BY HAND WHEN NECESSARY TO MINIMIZE IMPACT ON ROOTS. ALL TRENCHING WITHIN THE DRIPLINE SHALL BE SUPERVISED BY A CERTIFIED ARBORIST OR LANDSCAPE ARCHITECT.
5. ROOTS 3/4 IN. OR GREATER IN SIZE ENCOUNTERED DURING TRENCHING SHALL BE CLEANLY CUT AND TREATED WITH A SEALING AGENT TO REDUCE LOSS OF MOISTURE TO THE TREE. ROOTS GREATER THAN 1-1/2 IN. SHALL BE PRESERVED AND PROTECTED AT THE DIRECTION OF A CERTIFIED ARBORIST OR LANDSCAPE ARCHITECT.
6. CONSTRUCTION VEHICLES, EQUIPMENT, OR MATERIALS SHALL NOT BE PARKED OR STORED WITHIN THE TREE DRIPLINE. NO STAGING OR STORAGE AREA FOR CONSTRUCTION SHALL BE LOCATED CLOSER THAN 50 FEET TO THE DRIPLINE OF ANY TREE TO BE PROTECTED.
7. ALL CONSTRUCTION WASTES, INCLUDING BUT NOT LIMITED TO BUILDING MATERIAL DEBRIS, ROOFING MATERIALS, CLEANING OF CEMENT TRUCKS, CHEMICALS/ADHESIVES/SOLVENTS, ETC., SHALL BE STORED OR DISPOSED OF NO CLOSER THAN 20 FEET FROM ANY TREE DRIPLINE.

DEMOLITION NOTES

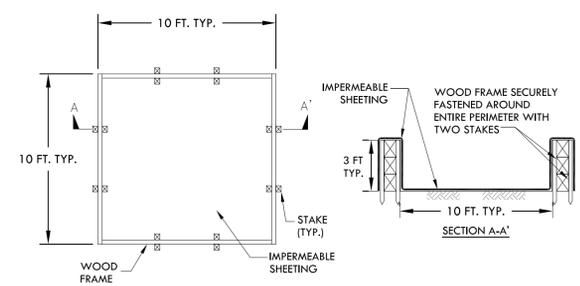
1. CONFIRM ALL LOCATIONS OF EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND REPAIR OF DAMAGE TO ALL EXISTING UTILITIES. CAP UNUSED EXISTING UTILITIES.
2. ADD CONSTRUCTION FENCING WHERE SHOWN. SEE SPECIFICATIONS.
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE HIS WORK WITH THE WORK OF OTHERS.
4. CONSTRUCTION SHALL CONFORM TO ALL UNIFORM BUILDING CODE, 2013 EDITION, AND SPECIFICATIONS.
5. CONTRACTOR SHALL OBSERVE ALL SAFETY REGULATIONS PERTAINING TO THIS PROJECT.
6. ANY CHANGES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
7. WHEN REMOVING TREES AND SHRUBS, REMOVE STUMPS AND ALL ROOTS IN 4' DIAMETER. COMPACT TO 85% SCARIFY 12" DEEP, REMOVE ALL ROOTS AND SET THE FINAL GRADE ACCORDING TO THE CONSTRUCTION PLAN.
8. ALL REMOVALS (VEGETATION, HARDSCAPE MATERIALS, TOP SOIL AND OTHER UNSUITABLE MATERIAL) IN AREAS OF FOUNDATIONS AND CONCRETE SLABS SHALL BE REMOVED FROM CONSTRUCTION AREA AT COST OF CONTRACTOR.

CONSTRUCTION FENCE BY OWNER

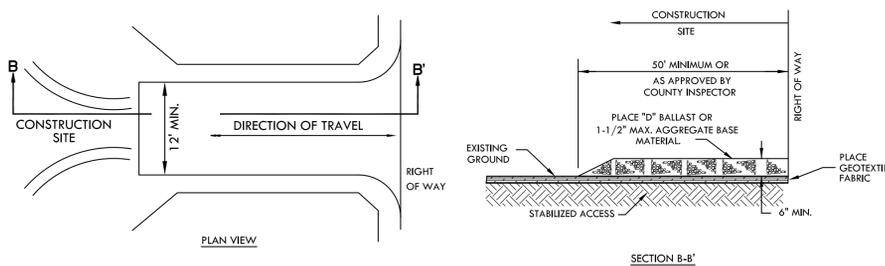
CONTRACTOR RESPONSIBLE PER SECURITY SITE AFTER THE NOTICE TO PROCEED. NOTIFY OWNER PRIOR TO BID IF FENCE IS NOT ADEQUATE FOR SITE SECURITY OR TREE PROTECTION.

NOTES

- 1) STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 1-1/2" MAXIMUM AGGREGATE BASE MATERIAL CONFORMING TO SECTION 26 OF STATE SPECIFICATIONS. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING AGGREGATE BASE MATERIAL SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
- 2) LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH AND WIDTH AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
- 3) THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH AGGREGATE BASE MATERIAL OR CLEANED AS DIRECTED BY THE COUNTY.
- 4) TRUCK TIRES SHALL BE WASHED DOWN AND THE SEDIMENT CONTAINED ON THE PROJECT SITE.



1 CONCRETE WASH OUT
NTS



2 TEMPORARY CONSTRUCTION SITE ACCESS
NTS

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PROJECT
ROSE GARDEN AND PAVILION

SHEET TITLE
DEMOLITION PLAN

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
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7.		
8.		

PLOT DATE: 10/29/2015

PROJECT NUMBERS
MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

SHEET NUMBER

L-0.1

UNDERGROUND SERVICE ALERT
of Northern California
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

Plot Date: October 29, 2015 12:59 pm File Name: G:\WDG(2000-2100)\2097 CARD Rose Garden\2097 CAD\2097 CDs\2097 L-1.0 Const.dwg

CONSTRUCTION NOTES

1. CONFIRM ALL LOCATIONS OF EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND REPAIR OF DAMAGE TO ALL EXISTING UTILITIES, INCLUDING LOW VOLTAGE LIGHTING.
2. INSTALL ALL ELEMENTS PER MANUFACTURERS' SPECIFICATIONS.
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE HIS WORK WITH THE WORK OF OTHERS.
4. MAINTAIN MINIMUM 2% GRADE AWAY FROM BUILDING. IF DURING THE COURSE OF LANDSCAPE CONSTRUCTION THE 2% ROUGH GRADE AWAY FROM BUILDING DESIGNED AND ESTABLISHED BY OTHERS IS DISTURBED, IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO REESTABLISH THIS GRADE.
5. CONTRACTOR SHALL OBSERVE ALL SAFETY REGULATIONS PERTAINING TO THIS PROJECT.
6. ANY CHANGES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
7. ALL VEGETATION, TOP SOIL AND OTHER UNSUITABLE MATERIAL IN AREAS OF FOUNDATIONS AND CONCRETE SLABS SHALL BE REMOVED FROM CONSTRUCTION AREA.
8. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
9. AN AUTOCAD FILE IS AVAILABLE FROM LANDSCAPE ARCHITECT FOR CONTRACTOR CONSTRUCTION STAKING PURPOSES.
10. UNLESS OTHERWISE NOTED, RETAIN AND PROTECT EXISTING CONDITIONS. CONTRACTOR SHALL REPAIR DAMAGES TO EXISTING CONDITIONS AT NO COST TO OWNER.
12. CONTRACTOR TO MAKE SITE ACCESSIBLE TO OWNER THROUGHOUT CONSTRUCTION PROCESS. OWNER WILL BE INSTALLING PLANTS TOWARDS THE END OF CONTRACTOR CONSTRUCTION PERIOD. COORDINATE SCHEDULE WITH OWNER.

CONSTRUCTION LEGEND

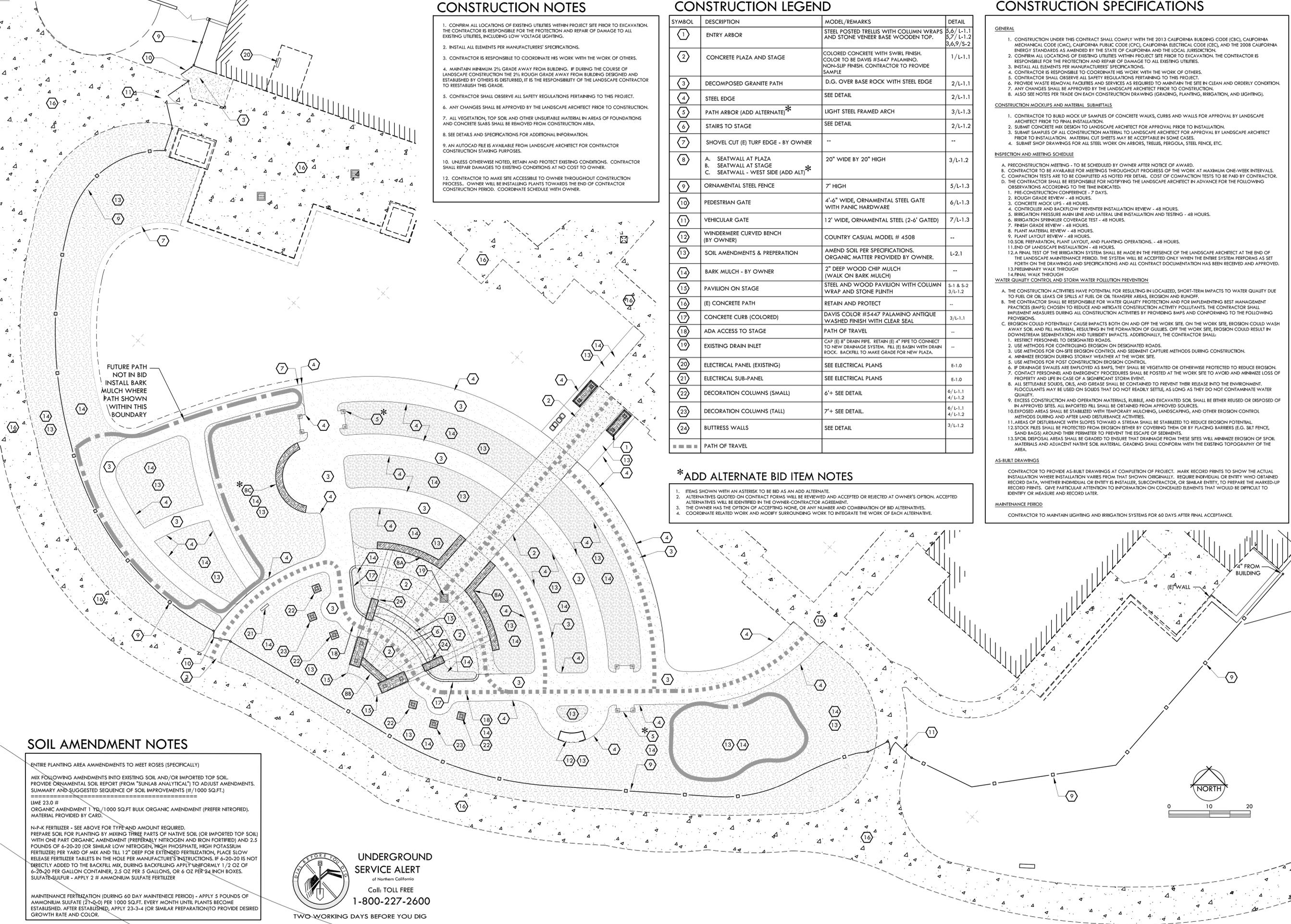
SYMBOL	DESCRIPTION	MODEL/REMARKS	DETAIL
1	ENTRY ARBOR	STEEL POSTED TRELLIS WITH COLUMN WRAPS AND STONE VENEER BASE WOODEN TOP.	5/6/L-1.1 5/7/L-1.2 3/6,9/S-2
2	CONCRETE PLAZA AND STAGE	COLORED CONCRETE WITH SWIRL FINISH. COLOR TO BE DAVIS #5447 PALAMINO. NON-SLIP FINISH. CONTRACTOR TO PROVIDE SAMPLE	1/L-1.1
3	DECOMPOSED GRANITE PATH	D.G. OVER BASE ROCK WITH STEEL EDGE	2/L-1.1
4	STEEL EDGE	SEE DETAIL	2/L-1.1
5	PATH ARBOR (ADD ALTERNATE)*	LIGHT STEEL FRAMED ARCH	3/L-1.3
6	STAIRS TO STAGE	SEE DETAIL	2/L-1.2
7	SHOVEL CUT (E) TURF EDGE - BY OWNER	--	--
8	A. SEATWALL AT PLAZA B. SEATWALL AT STAGE C. SEATWALL - WEST SIDE (ADD ALT)*	20" WIDE BY 20" HIGH	3/L-1.2
9	ORNAMENTAL STEEL FENCE	7' HIGH	5/L-1.3
10	PEDESTRIAN GATE	4'-6" WIDE, ORNAMENTAL STEEL GATE WITH PANIC HARDWARE	6/L-1.3
11	VEHICULAR GATE	12' WIDE, ORNAMENTAL STEEL (2'-6" GATED)	7/L-1.3
12	WINDERMERE CURVED BENCH (BY OWNER)	COUNTRY CASUAL MODEL # 4508	--
13	SOIL AMENDMENTS & PREPARATION	AMEND SOIL PER SPECIFICATIONS. ORGANIC MATTER PROVIDED BY OWNER.	L-2.1
14	BARK MULCH - BY OWNER	2" DEEP WOOD CHIP MULCH (WALK ON BARK MULCH)	--
15	PAVILION ON STAGE	STEEL AND WOOD PAVILION WITH COLUMN WRAP AND STONE PLINTH	S-1 & S-2 3/L-1.2
16	(E) CONCRETE PATH	RETAIN AND PROTECT	--
17	CONCRETE CURB (COLORED)	DAVIS COLOR #5447 PALAMINO ANTIQUE WASHED FINISH WITH CLEAR SEAL	3/L-1.1
18	ADA ACCESS TO STAGE	PATH OF TRAVEL	--
19	EXISTING DRAIN INLET	CAP (E) 8" DRAIN PIPE. RETAIN (E) 4" PIPE TO CONNECT TO NEW DRAINAGE SYSTEM. FILL (E) BASIN WITH DRAIN ROCK. BACKFILL TO MAKE GRADE FOR NEW PLAZA.	--
20	ELECTRICAL PANEL (EXISTING)	SEE ELECTRICAL PLANS	E-1.0
21	ELECTRICAL SUB-PANEL	SEE ELECTRICAL PLANS	E-1.0
22	DECORATION COLUMNS (SMALL)	6'+ SEE DETAIL	6/L-1.1 4/L-1.2
23	DECORATION COLUMNS (TALL)	7'+ SEE DETAIL	6/L-1.1 4/L-1.2
24	BUTTRESS WALLS	SEE DETAIL	3/L-1.2
■ ■ ■ ■	PATH OF TRAVEL		

*ADD ALTERNATE BID ITEM NOTES

1. ITEMS SHOWN WITH AN ASTERISK TO BE BID AS AN ADD ALTERNATE.
2. ALTERNATIVES QUOTED ON CONTRACT FORMS WILL BE REVIEWED AND ACCEPTED OR REJECTED AT OWNER'S OPTION. ACCEPTED ALTERNATIVES WILL BE IDENTIFIED IN THE OWNER-CONTRACTOR AGREEMENT.
3. THE OWNER HAS THE OPTION OF ACCEPTING NONE, OR ANY NUMBER AND COMBINATION OF BID ALTERNATIVES.
4. COORDINATE RELATED WORK AND MODIFY SURROUNDING WORK TO INTEGRATE THE WORK OF EACH ALTERNATIVE.

CONSTRUCTION SPECIFICATIONS

- GENERAL**
1. CONSTRUCTION UNDER THIS CONTRACT SHALL COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE (CBC), CALIFORNIA MECHANICAL CODE (CMC), CALIFORNIA PUBLIC CODE (CPC), CALIFORNIA ELECTRICAL CODE (CEC), AND THE 2008 CALIFORNIA ENERGY STANDARDS AS AMENDED BY THE STATE OF CALIFORNIA AND THE LOCAL JURISDICTION.
 2. CONFIRM ALL LOCATIONS OF EXISTING UTILITIES WITHIN PROJECT SITE PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND REPAIR OF DAMAGE TO ALL EXISTING UTILITIES.
 3. INSTALL ALL ELEMENTS PER MANUFACTURERS' SPECIFICATIONS.
 4. CONTRACTOR IS RESPONSIBLE TO COORDINATE HIS WORK WITH THE WORK OF OTHERS.
 5. CONTRACTOR SHALL OBSERVE ALL SAFETY REGULATIONS PERTAINING TO THIS PROJECT.
 6. PROVIDE WASTE REMOVAL FACILITIES AND SERVICES AS REQUIRED TO MAINTAIN THE SITE IN CLEAN AND ORDERLY CONDITION.
 7. ANY CHANGES SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
 8. ALSO SEE NOTES PER TRADE ON EACH CONSTRUCTION DRAWING (GRADING, PLANTING, IRRIGATION, AND LIGHTING).
- CONSTRUCTION MOCKUPS AND MATERIAL SUBMITTALS**
1. CONTRACTOR TO BUILD MOCK UP SAMPLES OF CONCRETE WALKS, CURBS AND WALLS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FINAL INSTALLATION.
 2. SUBMIT CONCRETE MIX DESIGN TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
 3. SUBMIT SAMPLES OF ALL CONSTRUCTION MATERIAL TO LANDSCAPE ARCHITECT FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. MATERIAL CUT SHEETS MAY BE ACCEPTABLE IN SOME CASES.
 4. SUBMIT SHOP DRAWINGS FOR ALL STEEL WORK ON ARBORS, TRELLIS, PERGOLA, STEEL FENCE, ETC.
- INSPECTION AND MEETING SCHEDULE**
- A. PRECONSTRUCTION MEETING - TO BE SCHEDULED BY OWNER AFTER NOTICE OF AWARD.
 - B. CONTRACTOR TO BE AVAILABLE FOR MEETINGS THROUGHOUT PROGRESS OF THE WORK AT MAXIMUM ONE-WEEK INTERVALS.
 - C. CONTRACTOR SHALL OBSERVE ALL SAFETY REGULATIONS PERTAINING TO THIS PROJECT.
 - D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE LANDSCAPE ARCHITECT IN ADVANCE FOR THE FOLLOWING OBSERVATIONS ACCORDING TO THE TIME INDICATED:
 1. PRE-CONSTRUCTION CONFERENCE - 7 DAYS.
 2. ROUGH GRADE REVIEW - 48 HOURS.
 3. CONCRETE MOCK UPS - 48 HOURS.
 4. CONTROLLER AND BACKFLOW PREVENTER INSTALLATION REVIEW - 48 HOURS.
 5. IRRIGATION PRESSURE MAIN LINE AND LATERAL LINE INSTALLATION AND TESTING - 48 HOURS.
 6. IRRIGATION SPRINKLER COVERAGE TEST - 48 HOURS.
 7. FINISH GRADE REVIEW - 48 HOURS.
 8. PLANT MATERIAL REVIEW - 48 HOURS.
 9. PLANT LAYOUT REVIEW - 48 HOURS.
 10. SOIL PREPARATION, PLANT LAYOUT, AND PLANTING OPERATIONS - 48 HOURS.
 11. END OF LANDSCAPE INSTALLATION - 48 HOURS.
 12. A FINAL TEST OF THE IRRIGATION SYSTEM SHALL BE MADE IN THE PRESENCE OF THE LANDSCAPE ARCHITECT AT THE END OF THE LANDSCAPE MAINTENANCE PERIOD. THE SYSTEM WILL BE ACCEPTED ONLY WHEN THE ENTIRE SYSTEM PERFORMS AS SET FORTH ON THE DRAWINGS AND SPECIFICATIONS AND ALL CONTRACT DOCUMENTATION HAS BEEN RECEIVED AND APPROVED.
 13. PRELIMINARY WALK THROUGH
 14. FINAL WALK THROUGH
- WATER QUALITY CONTROL AND STORM WATER POLLUTION PREVENTION**
- A. THE CONSTRUCTION ACTIVITIES HAVE POTENTIAL FOR RESULTING IN LOCALIZED, SHORT-TERM IMPACTS TO WATER QUALITY DUE TO FUEL OR OIL LEAKS OR SPILLS AT FUEL OR OIL TRANSFER AREAS, EROSION AND RUNOFF.
 - B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATER QUALITY PROTECTION AND FOR IMPLEMENTING BEST MANAGEMENT PRACTICES (BMPs) CHOSEN TO REDUCE AND MITIGATE CONSTRUCTION ACTIVITY POLLUTANTS. THE CONTRACTOR SHALL IMPLEMENT MEASURES DURING ALL CONSTRUCTION ACTIVITIES BY PROVIDING BMPs AND CONFORMING TO THE FOLLOWING PROVISIONS.
 - C. EROSION COULD POTENTIALLY CAUSE IMPACTS BOTH ON AND OFF THE WORK SITE. ON THE WORK SITE, EROSION COULD WASH AWAY SOIL AND FILL MATERIAL, RESULTING IN THE FORMATION OF GULLIES. OFF THE WORK SITE, EROSION COULD RESULT IN DOWNSTREAM SEDIMENTATION AND TURBIDITY IMPACTS. ADDITIONALLY, THE CONTRACTOR SHALL:
 1. RESTRICT PERSONNEL TO DESIGNATED ROADS.
 2. USE METHODS FOR CONTROLLING EROSION ON DESIGNATED ROADS.
 3. USE METHODS FOR ON-SITE EROSION CONTROL AND SEDIMENT CAPTURE METHODS DURING CONSTRUCTION.
 4. MINIMIZE EROSION DURING STORMY WEATHER AT THE WORK SITE.
 5. USE METHODS FOR CONTROLLING EROSION CONTROL.
 6. IF DRAINAGE SWALES ARE EMPLOYED AS BMPs, THEY SHALL BE VEGETATED OR OTHERWISE PROTECTED TO REDUCE EROSION.
 7. CONTACT PERSONNEL AND EMERGENCY PROCEDURES SHALL BE POSTED AT THE WORK SITE TO AVOID AND MINIMIZE LOSS OF PROPERTY AND LIFE IN CASE OF A SIGNIFICANT STORM EVENT.
 8. ALL SETTLEABLE SOLIDS, OILS, AND GREASE SHALL BE CONTAINED TO PREVENT THEIR RELEASE INTO THE ENVIRONMENT. FLOCCULANTS MAY BE USED ON SOLIDS THAT DO NOT READILY SETTLE, AS LONG AS THEY DO NOT CONTAMINATE WATER QUALITY.
 9. EXCESS CONSTRUCTION AND OPERATION MATERIALS, RUBBLE, AND EXCAVATED SOIL SHALL BE EITHER REUSED OR DISPOSED OF IN APPROVED SITES. ALL IMPORTED FILL SHALL BE OBTAINED FROM APPROVED SOURCES.
 10. EXPOSED AREAS SHALL BE STABILIZED WITH TEMPORARY MULCHING, LANDSCAPING, AND OTHER EROSION CONTROL METHODS DURING AND AFTER LAND DISTURBANCE ACTIVITIES.
 11. AREAS OF DISTURBANCE WITH SLOPES TOWARD A STREAM SHALL BE STABILIZED TO REDUCE EROSION POTENTIAL.
 12. STOCK PILES SHALL BE PROTECTED FROM EROSION EITHER BY COVERING THEM OR BY PLACING BARRIERS (E.G. SILT FENCE, SAND BAGS) AROUND THEIR PERIMETER TO PREVENT THE ESCAPE OF SEDIMENTS.
 13. SOIL DISPOSAL AREAS SHALL BE GRADED TO ENSURE THAT DRAINAGE FROM THESE SITES WILL MINIMIZE EROSION OF SPILL MATERIALS AND ADJACENT NATIVE SOIL MATERIAL. GRADING SHALL CONFORM WITH THE EXISTING TOPOGRAPHY OF THE AREA.
- AS-BUILT DRAWINGS**
- CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS AT COMPLETION OF PROJECT. MARK RECORD PRINTS TO SHOW THE ACTUAL INSTALLATION WHERE INSTALLATION VARIES FROM THAT SHOWN ORIGINALLY. REQUIRE INDIVIDUAL OR ENTITY WHO OBTAINED RECORD DATA, WHETHER INDIVIDUAL OR ENTITY IS INSTALLER, SUBCONTRACTOR, OR SIMILAR ENTITY, TO PREPARE THE MARKED-UP RECORD PRINTS. GIVE PARTICULAR ATTENTION TO INFORMATION ON CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO IDENTIFY OR MEASURE AND RECORD LATER.
- MAINTENANCE PERIOD**
- CONTRACTOR TO MAINTAIN LIGHTING AND IRRIGATION SYSTEMS FOR 60 DAYS AFTER FINAL ACCEPTANCE.



FUTURE PATH NOT IN BID
INSTALL BARK MULCH WHERE
PATH SHOWN
WITHIN THIS
BOUNDARY

SOIL AMENDMENT NOTES

ENTIRE PLANTING AREA AMENDMENTS TO MEET ROSES (SPECIFICALLY)

MIX FOLLOWING AMENDMENTS INTO EXISTING SOIL AND/OR IMPORTED TOP SOIL. PROVIDE ORNAMENTAL SOIL REPORT (FROM "SUNLAB ANALYTICAL") TO ADJUST AMENDMENTS. SUMMARY AND SUGGESTED SEQUENCE OF SOIL IMPROVEMENTS (#/1000 SQ.FT.)

=====

LIME 23.0 #

ORGANIC AMENDMENT 1 YD./1000 SQ.FT BULK ORGANIC AMENDMENT (PREFER NITROFIED). MATERIAL PROVIDED BY CARD.

N-P-K FERTILIZER - SEE ABOVE FOR TYPE AND AMOUNT REQUIRED. PREPARE SOIL FOR PLANTING BY MIXING THREE PARTS OF NATIVE SOIL (OR IMPORTED TOP SOIL) WITH ONE PART ORGANIC AMENDMENT (PREFERABLY NITROGEN AND IRON FORTIFIED) AND 2.5 POUNDS OF 6-20-20 (OR SIMILAR LOW NITROGEN, HIGH PHOSPHATE, HIGH POTASSIUM FERTILIZER) PER YARD OF MIX AND TILL 12" DEEP FOR EXTENDED FERTILIZATION. PLACE SLOW RELEASE FERTILIZER TABLETS IN THE HOLE PER MANUFACTURER'S INSTRUCTIONS. IF 6-20-20 IS NOT DIRECTLY ADDED TO THE BACKFILL MIX, DURING BACKFILLING APPLY UNIFORMLY 1/2 OZ OF 6-20-20 PER GALLON CONTAINER, 2.5 OZ PER 5 GALLONS, OR 6 OZ PER 24 INCH BOXES. SULFATE-SULFUR - APPLY 2 # AMMONIUM SULFATE FERTILIZER

MAINTENANCE FERTILIZATION (DURING 60 DAY MAINTENANCE PERIOD) - APPLY 5 POUNDS OF AMMONIUM SULFATE (21-0-0) PER 1000 SQ.FT. EVERY MONTH UNTIL PLANTS BECOME ESTABLISHED. AFTER ESTABLISHED, APPLY 23-3-4 (OR SIMILAR PREPARATION) TO PROVIDE DESIRED GROWTH RATE AND COLOR.

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PROJECT
ROSE GARDEN AND PAVILION
SHEET TITLE
CONSTRUCTION PLAN

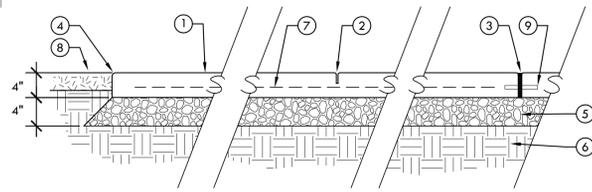
DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
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PLOT DATE: 10/29/2015

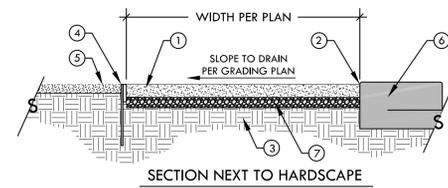
PROJECT NUMBERS
MELTON DESIGN GROUP:
CONSULTANT PROJECT #:

SHEET NUMBER
L-1.0

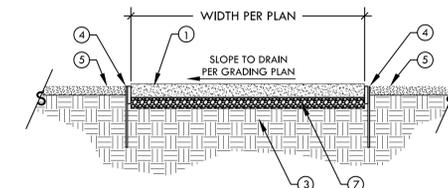


- 1 CONCRETE PAVING. COLOR PER PLAN. 2% MAX CROSS SLOPE 5% MAX SLOPE ALONG WALKING PATH. SEAL CONCRETE WITH W.R. MEADOWS 1100 CLEAR CURING COMPOUND. FINISH PER PLAN
- 2 SCORE LINE / CONTRACTION JOINT TOOLED WITH 1/4" WIDE 1/4" RADIUS 1/4 DEPTH OF CONCRETE SLAB OR MIN 1" DEEP WHICHEVER IS GREATER. 7' O.C. MAX.
- 3 1/2" EXPANSION JOINT WITH ELASTOMERIC JOINT SEALANT, SEALANT TO MATCH CONCRETE COLOR. INSTALL MINIMUM 21' O.C., BETWEEN POURS, NEXT TO EXISTING CONCRETE, BUILDINGS AND OTHER VERTICAL SURFACES.
- 4 1/2" RADIUS TOOLED EDGE
- 5 CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE DENSITY.
- 6 TOP 6" OF UNDISTURBED SUB-GRADE COMPACTED TO 90% RELATIVE DENSITY.
- 7 #3 REBAR TIED AT 24" O.C. BOTH WAYS. SUPPORT REBAR IN CENTER OF SLAB.
- 8 LANDSCAPE OR DECOMPOSED GRANITE OR BARK MULCH PER PLAN
- 9 DOWELS 12"x1/2" PENCIL ROD 18" O.C. AT COLD JOINTS WHEN POURING NEW CONCRETE NEXT TO EXISTING AND NEXT TO CURB OR WALL (6" INTO EXISTING AND 6" INTO NEW CONCRETE); PROVIDE SLEEVE AND LUBE ONE END OF DOWEL.

NOTES:
 1. PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES OR AS SEEN ON PLAN.
 2. INSTALL SIDEWALK AND PADS ABOVE EXISTING GRADE AS SHOWN.
 3. PROVIDE POSITIVE DRAINAGE OF LANDSCAPE AWAY FROM CONCRETE.
 4. ALIGN SCORELINES AND EXPANSION JOINTS TO WITH EXISTING JOINTS WHEN NEXT TO EXISTING CONCRETE.

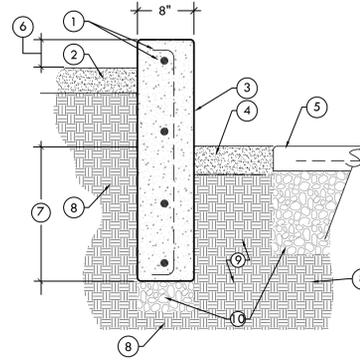


SECTION NEXT TO HARDSCAPE



PATH SECTION

- 1 2" MINIMUM LAYER (AFTER 90% COMPACTION) DECOMPOSED GRANITE ROCK PER PLAN. CROWN OR SLOPE TO DRAIN. PROVIDE SAMPLE FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
 - 2 FINISH GRADE - 1/4" AFTER COMPACTION BELOW TOP OF ADJACENT SIDEWALK OR CURB.
 - 3 COMPACT SUBGRADE TO 90% RELATIVE DENSITY
 - 4 1/2" X 4" X 16' STEEL EDGING, AS MANUFACTURED BY SURE-LOC, OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S SPECIFICATIONS. STAKE AT 2'-0" O.C. MINIMUM. USE CORNER AND RADIUS WHEN NECESSARY.
 - 5 BARK MULCH OR TURF PER PLAN
 - 6 CURB, WALL, OR SIDEWALK PER PLAN.
 - 7 BASE ROCK 3" COMPACTED TO 90% RELATIVE DENSITY
- NOTES:
 1. APPLY WEED KILLER AND APPLY PRE-EMERGENT PRIOR TO PLACEMENT OF DG.
 2. REMOVE ALL WEEDS AND ORGANIC MATTER PRIOR TO PLACING DG. AFTER PLACEMENT, THOROUGHLY WATER UNTIL ENTIRE DEPTH IS MOIST.
 3. COMPACT WITH A 1,000 TO 3,000 LB ROLLER.
 4. LIGHTLY RAKE TO PROVIDE SMOOTH FINISHED SURFACE.



- 1 4X #4 REBAR HORIZONTAL CONTINUOUS, 1X #4 REBAR VERTICAL, EVERY 3' O.C.
- 2 DECOMPOSED GRANITE, PER DETAIL THIS PAGE
- 3 CONCRETE CURB COLOR PER PLAN
- 4 PLANTER, PER PLAN
- 5 CONCRETE FLAT WORK
- 6 WALL HEIGHT, VARIES PER GRADING PLAN. 4" ABOVE DECOMPOSED GRANITE, FLUSH WITH ADJACENT CONCRETE
- 7 FOOTING, 12"
- 8 COMPACT SUBGRADE TO 90% RELATIVE DENSITY
- 9 SUBGRADE
- 10 #2 AGGREGATE BASE COMPACTED TO 95% RELATIVE DENSITY

1 CONCRETE PAD/ SIDEWALK

L-1.1 SCALE: 1" = 1'-0"

2 DECOMPOSED GRANITE WITH STEEL EDGE

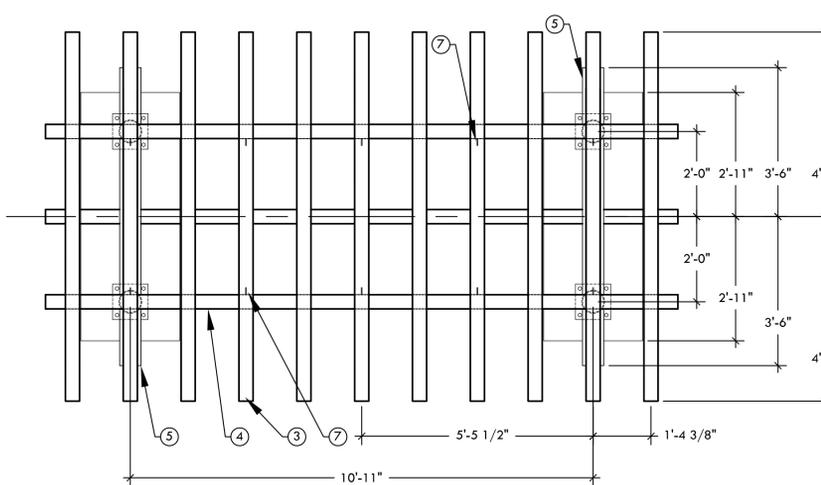
L-1.1 SCALE: 1/2" = 1'-0"

3 CONCRETE CURB

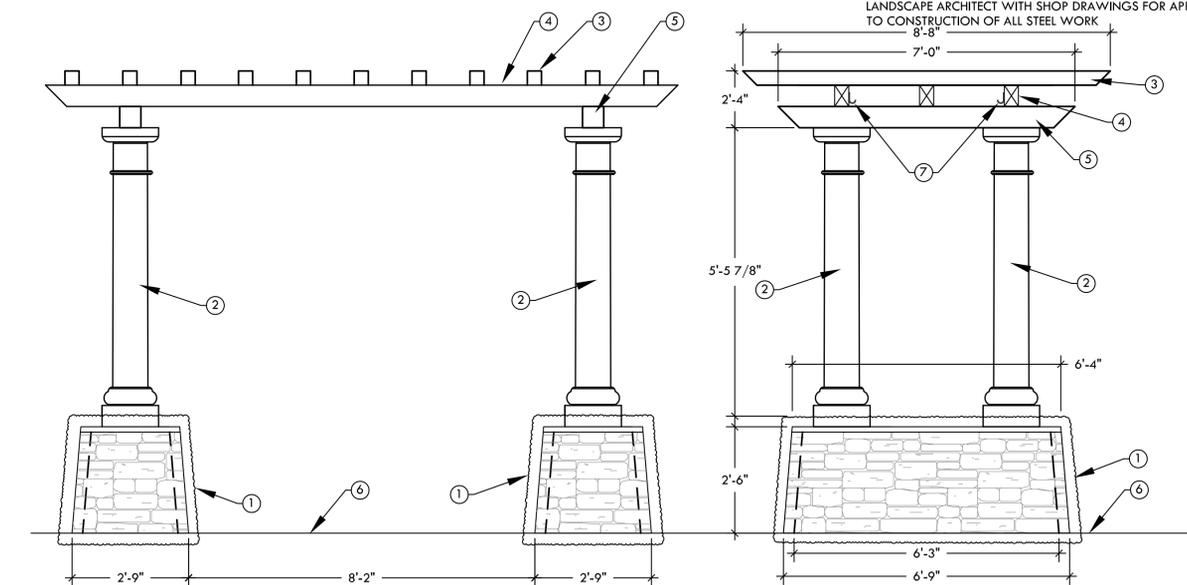
L-1.1 SCALE: 1-1/2" = 1'-0"

4 NOT USED

L-1.1 SCALE: NTS

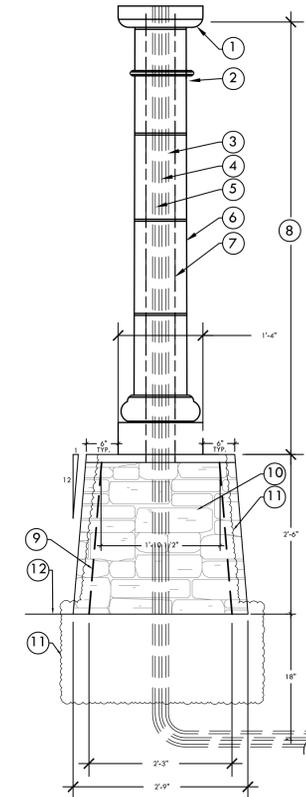


- 1 PLINTH BASE. SEE DETAILS 9/S-2, AND 6/L-1.1. MAINTAIN A 1:12 SLOPE RATIO ON BATTER
 - 2 COLUMN WRAP. BY CARSON'S COATINGS. MODEL CC-800, TAPERED, NON-FLUTED FINISH: FINE COLOR: SANDY WHITE PROVIDE SAMPLE CALL 209-745-2387
 - 3 4X4 CEDAR BEAM. BOTH ENDS 45° ANGLE
 - 4 4X6 CEDAR BEAM. BOTH ENDS 45° ANGLE
 - 5 6X6 POWDER COATED STEEL BEAM, GRAY (CONFIRM COLOR WITH OWNER). BOTH ENDS 45° ANGLE.
 - 6 FINISHED GRADE SEE PAGE L-4.0
 - 7 1-1/2" DIAMETER J-HOOKS - SEE DETAIL 7 THIS PAGE
 - 8 BASE PLATE. SEE DETAIL 8/S-1
- NOTES:
 1. POWDERCOAT ALL STEEL, COLOR GRAY, AND TREAT ALL CEDAR WITH CLEAR SEALER, CUNAPSOL-5 WOOD PRESERVATIVE. SUBMIT COLOR, AND SEALER, SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
 2. ALL POSTS SHALL BE INSTALLED PLUMB AND TRUE. ALL POSTS AND RAILS MUST BE STRAIGHT AND FREE FROM IRREGULARITIES.
 3. CONTRACTOR TO VERIFY CONDITIONS IN THE FIELD AND PROVIDE LANDSCAPE ARCHITECT WITH SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION OF ALL STEEL WORK



5 ENTRY ARBOR - ARCH 1

L-1.1 SCALE: 1/2" = 1'-0"



- 1 CAPITAL. SQUARE
- 2 BAND. ROUND
- 3 1/2" PVC ELECTRICAL CONDUIT
- 4 1/2" PVC DRAINAGE CONDUIT
- 5 1/2" PVC IRRIGATION CONDUIT
- 6 SEE DETAIL 5/L-1.1 THIS SHEET
- 7 5-1/2"(max) SQ. TUBE STEEL POST PER DETAILS 3,6,9/S-2
- 8 REFER TO DETAILS 3,6,9/S-2
- 9 PLINTH BASE PER DETAILS ON PAGE S-2 MAINTAIN 1:12 SLOPE RATION
- 10 PLINTH. SEE DETAIL 3/L-1.2
- 11 FOOTING. REFER TO STRUCTURAL DETAILS 6,9/S-2
- 12 FINISHED GRADE

6 COLUMN DECORATIVE FINISH

L-1.1 SCALE: 3/4" = 1'-0"



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CHICO AREA RECREATION AND PARK DISTRICT

PROJECT

ROSE GARDEN AND PAVILION

SHEET TITLE

CONSTRUCTION DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
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PLOT DATE: 10/29/2015

PROJECT NUMBERS

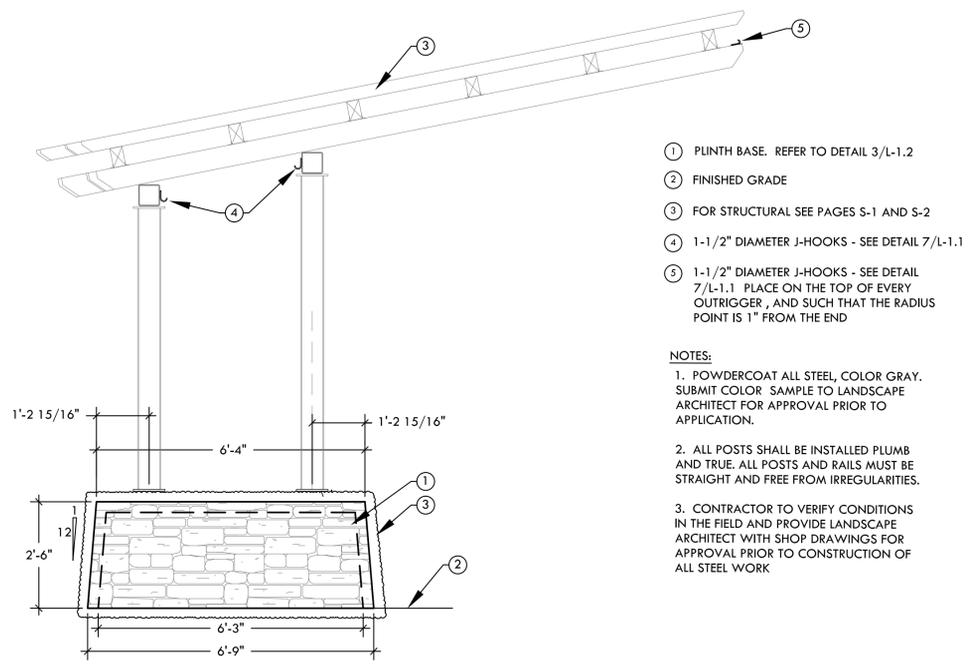
MELTON DESIGN GROUP: 2097
 CONSULTANT PROJECT #:

SHEET NUMBER

L-1.1
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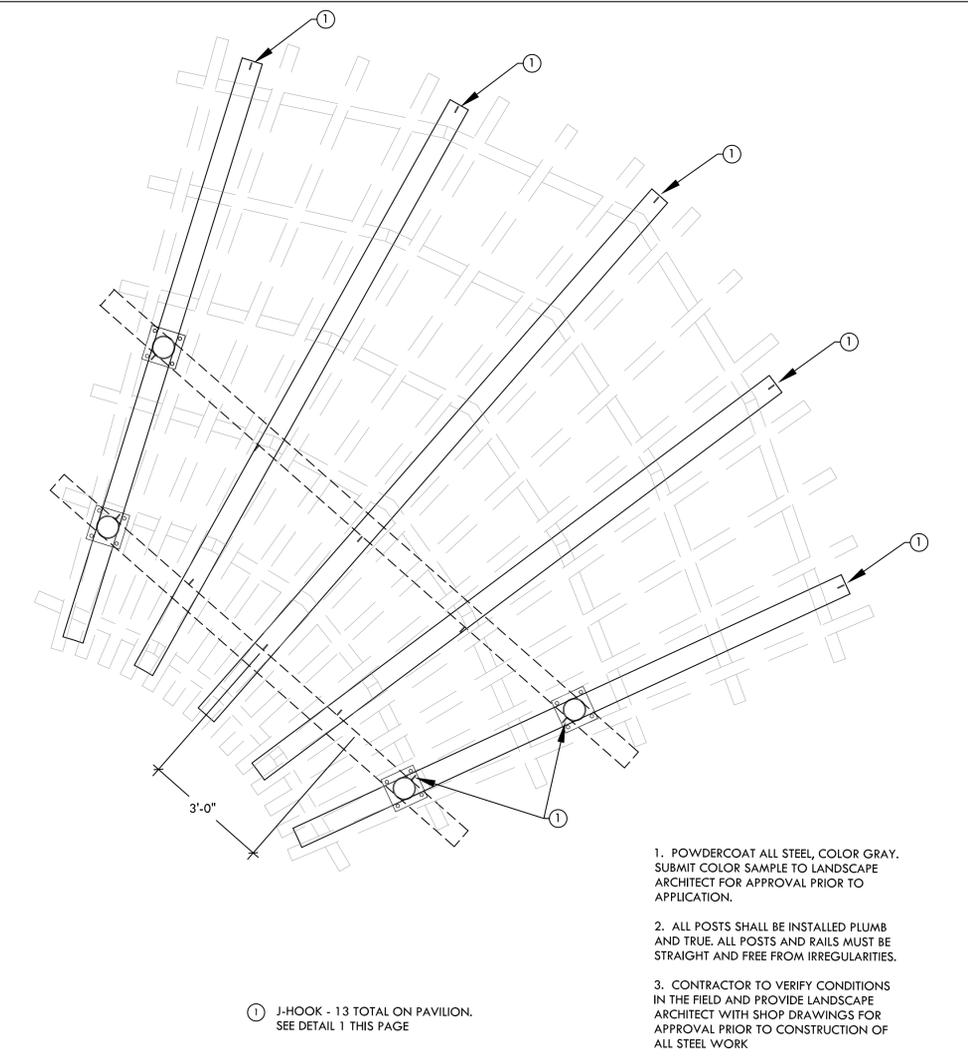


- ① PLINTH BASE. REFER TO DETAIL 3/L-1.2
- ② FINISHED GRADE
- ③ FOR STRUCTURAL SEE PAGES S-1 AND S-2
- ④ 1-1/2" DIAMETER J-HOOKS - SEE DETAIL 7/L-1.1
- ⑤ 1-1/2" DIAMETER J-HOOKS - SEE DETAIL 7/L-1.1 PLACE ON THE TOP OF EVERY OUTRIGGER, AND SUCH THAT THE RADIUS POINT IS 1" FROM THE END

NOTES:

1. POWDERCOAT ALL STEEL, COLOR GRAY. SUBMIT COLOR SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
2. ALL POSTS SHALL BE INSTALLED PLUMB AND TRUE. ALL POSTS AND RAILS MUST BE STRAIGHT AND FREE FROM IRREGULARITIES.
3. CONTRACTOR TO VERIFY CONDITIONS IN THE FIELD AND PROVIDE LANDSCAPE ARCHITECT WITH SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION OF ALL STEEL WORK

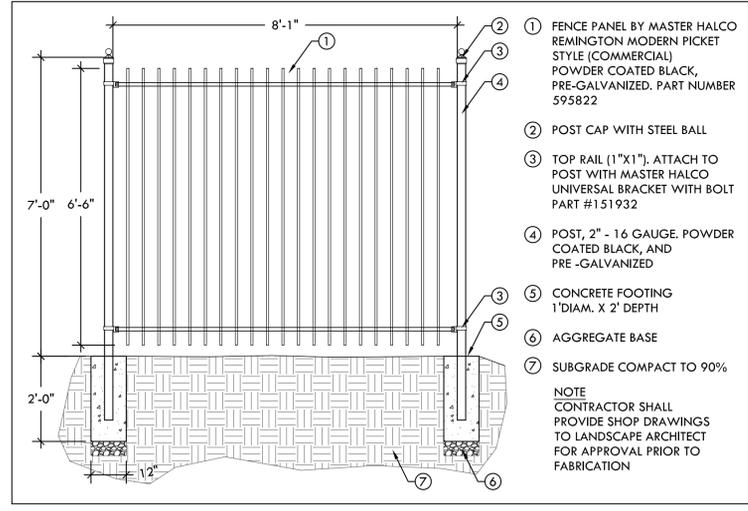
1 STAGE PLINTH FACIA
L-1.3 SCALE: 1/2" = 1'-0"



1. POWDERCOAT ALL STEEL, COLOR GRAY. SUBMIT COLOR SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
2. ALL POSTS SHALL BE INSTALLED PLUMB AND TRUE. ALL POSTS AND RAILS MUST BE STRAIGHT AND FREE FROM IRREGULARITIES.
3. CONTRACTOR TO VERIFY CONDITIONS IN THE FIELD AND PROVIDE LANDSCAPE ARCHITECT WITH SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION OF ALL STEEL WORK

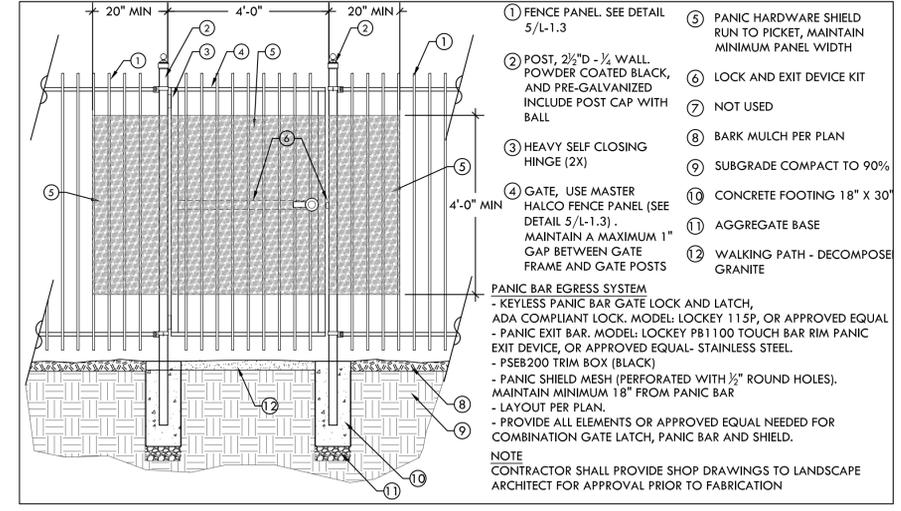
4 J-HOOK PLACEMENT ON PAVILION
L-1.1 SCALE: NTS

2 NOT USED
L-1.3 SCALE: NTS



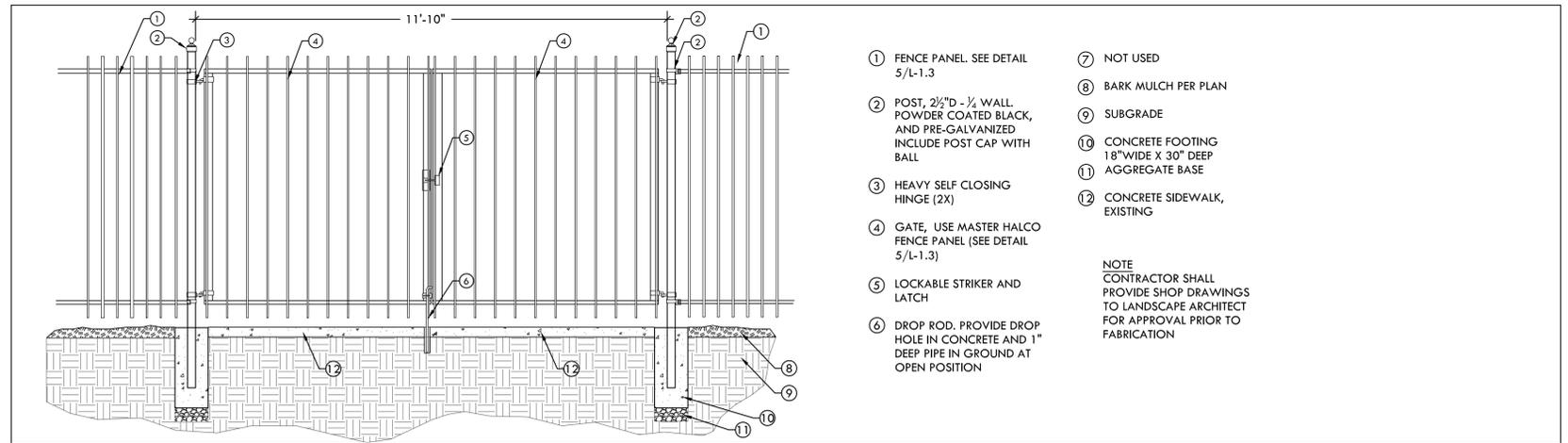
- ① FENCE PANEL BY MASTER HALCO REMINGTON MODERN PICKET STYLE (COMMERCIAL) POWDER COATED BLACK, PRE-GALVANIZED. PART NUMBER 595822
 - ② POST CAP WITH STEEL BALL
 - ③ TOP RAIL (1"X1"). ATTACH TO POST WITH MASTER HALCO UNIVERSAL BRACKET WITH BOLT PART #151932
 - ④ POST, 2" - 16 GAUGE. POWDER COATED BLACK, AND PRE-GALVANIZED
 - ⑤ CONCRETE FOOTING 1"DIAM. X 2' DEPTH
 - ⑥ AGGREGATE BASE
 - ⑦ SUBGRADE COMPACT TO 90%
- NOTE**
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION

5 FENCE
L-1.3 SCALE: NTS



- ① FENCE PANEL SEE DETAIL 5/L-1.3
 - ② POST, 2 1/2" D - 1/2" WALL POWDER COATED BLACK, AND PRE-GALVANIZED INCLUDE POST CAP WITH BALL
 - ③ HEAVY SELF CLOSING HINGE (2X)
 - ④ GATE, USE MASTER HALCO FENCE PANEL (SEE DETAIL 5/L-1.3) . MAINTAIN A MAXIMUM 1" GAP BETWEEN GATE FRAME AND GATE POSTS
 - ⑤ PANIC HARDWARE SHIELD RUN TO PICKET, MAINTAIN MINIMUM PANEL WIDTH
 - ⑥ LOCK AND EXIT DEVICE KIT
 - ⑦ NOT USED
 - ⑧ BARK MULCH PER PLAN
 - ⑨ SUBGRADE COMPACT TO 90%
 - ⑩ CONCRETE FOOTING 18" X 30"
 - ⑪ AGGREGATE BASE
 - ⑫ WALKING PATH - DECOMPOSE GRANITE
- PANIC BAR EGRESS SYSTEM**
- KEYLESS PANIC BAR GATE LOCK AND LATCH, ADA COMPLIANT LOCK. MODEL: LOCKEY 115P, OR APPROVED EQUAL
- PANIC EXIT BAR. MODEL: LOCKEY PB1100 TOUCH BAR RIM PANIC EXIT DEVICE, OR APPROVED EQUAL- STAINLESS STEEL
- PSEB200 TRIM BOX (BLACK)
- PANIC SHIELD MESH (PERFORATED WITH 1/2" ROUND HOLES). MAINTAIN MINIMUM 18" FROM PANIC BAR
- LAYOUT PER PLAN.
- PROVIDE ALL ELEMENTS OR APPROVED EQUAL NEEDED FOR COMBINATION GATE LATCH, PANIC BAR AND SHIELD.
- NOTE**
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION

6 FENCE - PEDESTRIAN GATE
L-1.3 SCALE: NTS



- ① FENCE PANEL SEE DETAIL 5/L-1.3
 - ② POST, 2 1/2" D - 1/2" WALL POWDER COATED BLACK, AND PRE-GALVANIZED INCLUDE POST CAP WITH BALL
 - ③ HEAVY SELF CLOSING HINGE (2X)
 - ④ GATE, USE MASTER HALCO FENCE PANEL (SEE DETAIL 5/L-1.3)
 - ⑤ LOCKABLE STRIKER AND LATCH
 - ⑥ DROP ROD. PROVIDE DROP HOLE IN CONCRETE AND 1" DEEP PIPE IN GROUND AT OPEN POSITION
 - ⑦ NOT USED
 - ⑧ BARK MULCH PER PLAN
 - ⑨ SUBGRADE
 - ⑩ CONCRETE FOOTING 18" WIDE X 30" DEEP
 - ⑪ AGGREGATE BASE
 - ⑫ CONCRETE SIDEWALK, EXISTING
- NOTE**
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO FABRICATION

7 FENCE - VEHICULAR DOUBLE GATE
L-1.3 SCALE: NTS

SOIL AMENDMENT NOTES

ENTIRE PLANTING AREA AMENDMENTS TO MEET ROSES (SPECIFICALLY)
 MIX FOLLOWING AMENDMENTS INTO EXISTING SOIL AND/OR IMPORTED TOP SOIL.
 PROVIDE ORNAMENTAL SOIL REPORT (FROM "SUNLAB ANALYTICAL") TO ADJUST AMENDMENTS.
 SUMMARY AND SUGGESTED SEQUENCE OF SOIL IMPROVEMENTS (#/1000 SQ.FT.)
 =====
 LIME 23.0 #
 ORGANIC AMENDMENT 1 YD./1000 SQ.FT BULK ORGANIC AMENDMENT (PREFER NITROFIED).
 MATERIAL PROVIDED BY CARD.
 N-P-K FERTILIZER - SEE ABOVE FOR TYPE AND AMOUNT REQUIRED.
 PREPARE SOIL FOR PLANTING BY MIXING THREE PARTS OF NATIVE SOIL (OR IMPORTED TOP SOIL) WITH ONE PART ORGANIC AMENDMENT (PREFERABLY NITROGEN AND IRON FORTIFIED) AND 2.5 POUNDS OF 6-20-20 (OR SIMILAR LOW NITROGEN, HIGH PHOSPHATE, HIGH POTASSIUM FERTILIZER) PER YARD OF MIX AND TILL 12" DEEP FOR EXTENDED FERTILIZATION, PLACE SLOW RELEASE FERTILIZER TABLETS IN THE HOLE PER MANUFACTURER'S INSTRUCTIONS. IF 6-20-20 IS NOT DIRECTLY ADDED TO THE BACKFILL MIX, DURING BACKFILLING APPLY UNIFORMLY 1/2 OZ OF 6-20-20 PER GALLON CONTAINER, 2.5 OZ PER 5 GALLONS, OR 6 OZ PER 24 INCH BOXES.
 SULFATE-SULFUR - APPLY 2 # AMMONIUM SULFATE FERTILIZER
 =====
 MAINTENANCE FERTILIZATION (DURING 60 DAY MAINTENANCE PERIOD) - APPLY 5 POUNDS OF AMMONIUM SULFATE (21-0-0) PER 1000 SQ.FT. EVERY MONTH UNTIL PLANTS BECOME ESTABLISHED. AFTER ESTABLISHED, APPLY 23-3-4 (OR SIMILAR PREPARATION) TO PROVIDE DESIRED GROWTH RATE AND COLOR.

NOTE:
 REPLACE EXISTING TURF WHERE DAMAGED DURING GRADING.
 TYPICAL GC-3

PLANT SPECIFICATIONS

- GENERAL (BY OWNER) - INSTALL LANDSCAPE PER THESE PLANS AND SPECIFICATIONS, UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS OR REVISED PLANS PER OWNER OR LANDSCAPE ARCHITECT. WORK INCLUDES BUT IS NOT LIMITED TO ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE SOIL PREPARATION, CONDITIONING, FINISH GRADING, PLANTING, SODDING, PRE-EMERGENT WEED CONTROL, MULCHING, TREE STAKING AND CLEANUP.
- PLANT MATERIAL (BY OWNER) - ALL PLANT MATERIAL SHALL BE OF THE SPECIES, VARIETY, SIZE AND CONDITION SPECIFIED ON THE PLANS. ALL PLANT MATERIAL SHALL BE HEALTHY, FREE OF DISEASE AND PESTS, AND NOT ROOT BOUND. ALL PLANT MATERIAL SHALL CONFORM TO AMERICAN NURSERY STANDARDS ANSI Z60.1-1990. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE PROJECT REPRESENTATIVE. IN THE EVENT THAT ANY PLANT MATERIAL IS REJECTED IT SHALL BE REMOVED FROM SITE AND REPLACED WITH SUITABLE PLANT MATERIAL. WHERE PLANTING SPACINGS ARE INDICATED ON THE PLAN, PROVIDE AS MANY PLANTS ON THE PLAN AS ARE REQUIRED BY THE SPACING INDICATED ON THE PLANS. VERIFY ALL PLANT QUANTITIES.
- SOIL PREPARATION AND CONDITIONING (BY CONTRACTOR) - ALL PLANTING AREAS SHALL BE CULTIVATED ACCORDING TO THE SOIL AMENDMENT NOTES SHOWN ON THIS SHEET.
- FINISH GRADING (BY CONTRACTOR) - ELIMINATE ALL UNEVEN AREAS AND LOW SPOTS. REMOVE ALL DEBRIS, ROOTS, STONES, SOIL CLOUDS, ETC. REMOVE ANY SOIL CONTAMINATED BY BUILDING CONSTRUCTION DEBRIS SUCH AS PAINT, CONCRETE, STUCCO, ETC. THE FINISH GRADE OF ALL SHRUB AND GROUND COVER AREAS SHALL BE 2-1/2 INCHES BELOW ADJACENT WALKS, CURBS, HARDSCAPE. ALL TURF AREAS SHALL BE 1 INCH BELOW. PROVIDE 2% MINIMUM DRAINAGE AWAY FROM BUILDING.
- PLANTING (BY OWNER) - PLANT HOLES SHALL BE EXCAVATED TO DIMENSIONS SHOWN ON PLAN. PLACE PLANT IN CENTER OF HOLE AND SLIGHTLY ABOVE FINISH GRADE. BACKFILL PLANT WITH ONE PART 0 TO 1/4 INCH FIRE BARK MULCH, THREE PARTS NATIVE SOIL, SINGLE SUPERPHOSPHATE, GROW POWER AND AGRIFORM FERTILIZER TABLETS ALL AS PER MANUFACTURER'S RECOMMENDATIONS. WATER THOROUGHLY TO SETTLE BACKFILL AROUND SOIL BALL. ALL HEDGEROW PLANTINGS SHALL BE PLANTED IN A STRAIGHT ROW. GROUND COVERS SHALL BE PLANTED BASED ON TRIANGULAR SPACING UNLESS OTHERWISE SHOWN ON PLAN. STAKE ALL STANDARD TREES AS PER DETAIL WITH 2 INCH DIAMETER POLES.
- TURF SODDING (BY OWNER) - AFTER ESTABLISHING FINISH GRADE, ROLL TURF AREAS WITH A 200 POUND ROLLER IN MINIMUM TWO DIRECTIONS, SPREAD 4 POUNDS PER 1,000 SQUARE FEET TURF FERTILIZER, (16-6-8) AND LAY SOD WITH TIGHT JOINTS.
- POST PLANTING WEED CONTROL - APPLY PRE-EMERGENT FERTILIZER TO ALL SHRUB AND GROUND COVER AREAS WITHIN 4 DAYS AFTER COMPLETION OF PLANTING OF GIVEN AREA AND PRIOR TO THE PLACEMENT OF MULCH TOP DRESSING, THE PLANTING AREAS SHALL BE FREE FROM EXISTING WEED GROWTH. APPLY AS PER MANUFACTURER'S RECOMMENDATIONS.
- TOP DRESSING (BY OWNER) - APPLY A UNIFORM 2 INCH LAYER OF WALK-ON BARK MULCH TO ALL SHRUB AND GROUND COVER AREAS. ALLOW FOR SETTLING. DYED BARK PRODUCTS WILL NOT BE ALLOWED.

PLANTING LIST

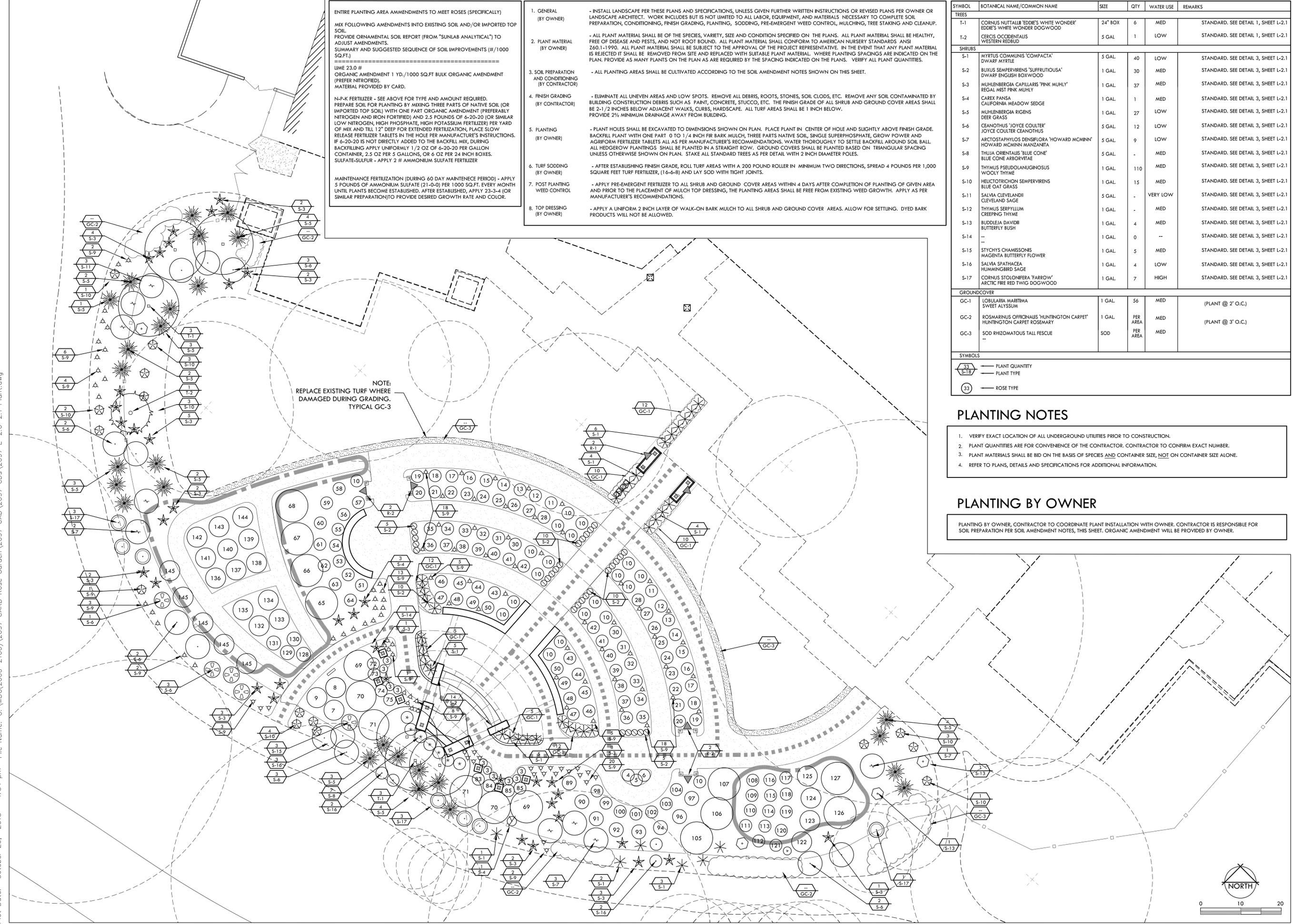
SYMBOL	BOTANICAL NAME/COMMON NAME	SIZE	QTY	WATER USE	REMARKS
TREES					
T-1	CORNUS NUTTALLI 'EDDIE'S WHITE WONDER'	24" BOX	6	MED	STANDARD. SEE DETAIL 1, SHEET L-2.1
T-2	CERCIS OCCIDENTALIS 'WESTERN REDBUD'	5 GAL	1	LOW	STANDARD. SEE DETAIL 1, SHEET L-2.1
SHRUBS					
S-1	MYRTUS COMMUNIS 'COMPACTA' DWARF MYRTLE	5 GAL	40	LOW	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-2	BUXUS SEMPERVIRENS 'SUFFRUTICOSA' DWARF ENGLISH BOXWOOD	1 GAL	30	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-3	MUHLENBERGIA CAPILLARIS 'PINK MUHLY' REGAL HST PINK MUHLY	1 GAL	37	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-4	CAREX PANSA CALIFORNIA MEADOW SEDGE	1 GAL	1	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-5	MUHLENBERGIA RIGENS DEER GRASS	1 GAL	27	LOW	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-6	CEANOTHUS 'JOYCE COULTER' JOYCE COULTER CEANOTHUS	5 GAL	12	LOW	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-7	ARCTOSTAPHYLOS DENISEFLORA 'HOWARD MCMINN' HOWARD MCMINN MANZANITA	5 GAL	9	LOW	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-8	THUJA ORIENTALIS 'BLUE CONE' BLUE CONE ARBORVITAE	5 GAL	-	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-9	THYMUS PSEUDOLANUGINOSUS 'WOOLY THYME' WOOLY THYME	1 GAL	110	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-10	HELICTOTRICHON SEMPERVIRENS BLUE OAT GRASS	1 GAL	15	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-11	SALVIA CLEVELANDII CLEVELAND SAGE	5 GAL	-	VERY LOW	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-12	THYMUS SERPYLLUM CREEPING THYME	1 GAL	-	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-13	BUTTERFLY BUSH BUTTERFLY BUSH	1 GAL	4	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-14	---	1 GAL	0	---	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-15	STYCHYS CHAMISSONIS MAGENTA BUTTERFLY FLOWER	1 GAL	5	MED	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-16	SALVIA SPATHACEA HUMMINGBIRD SAGE	1 GAL	4	LOW	STANDARD. SEE DETAIL 3, SHEET L-2.1
S-17	CORNUS STOLONIFERA 'FARROW' ARCTIC FIRE RED TWIG DOGWOOD	1 GAL	7	HIGH	STANDARD. SEE DETAIL 3, SHEET L-2.1
GROUND COVER					
GC-1	LOBULARIA MARTIMA SWEET ALYSSUM	1 GAL	56	MED	(PLANT @ 2' O.C.)
GC-2	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET' HUNTINGTON CARPET ROSEMARY	1 GAL	PER AREA	MED	(PLANT @ 3' O.C.)
GC-3	SOD RHIZOMATOUS TALL FESCUE	SOD	PER AREA	MED	
SYMBOLS					
33	PLANT QUANTITY				
S-18	PLANT TYPE				
33	ROSE TYPE				

PLANTING NOTES

- VERIFY EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- PLANT QUANTITIES ARE FOR CONVENIENCE OF THE CONTRACTOR. CONTRACTOR TO CONFIRM EXACT NUMBER.
- PLANT MATERIALS SHALL BE BID ON THE BASIS OF SPECIES AND CONTAINER SIZE, NOT ON CONTAINER SIZE ALONE.
- REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

PLANTING BY OWNER

PLANTING BY OWNER, CONTRACTOR TO COORDINATE PLANT INSTALLATION WITH OWNER. CONTRACTOR IS RESPONSIBLE FOR SOIL PREPARATION PER SOIL AMENDMENT NOTES, THIS SHEET. ORGANIC AMENDMENT WILL BE PROVIDED BY OWNER.



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LICENSE

CONSULTANT

CLIENT

CHICO AREA RECREATION AND PARK DISTRICT

PROJECT

ROSE GARDEN AND PAVILION

SHEET TITLE

PLANTING PLAN (BY OWNER)

DATES

NO.	DESCRIPTION	DATE
1.	BID PACKAGE	10/29/15
2.		
3.		
4.		
5.		
6.		
7.		
8.		

PLOT DATE: 10/29/15

PROJECT NUMBERS

MELTON DESIGN GROUP: 2097
 CONSULTANT PROJECT #:

SHEET NUMBER

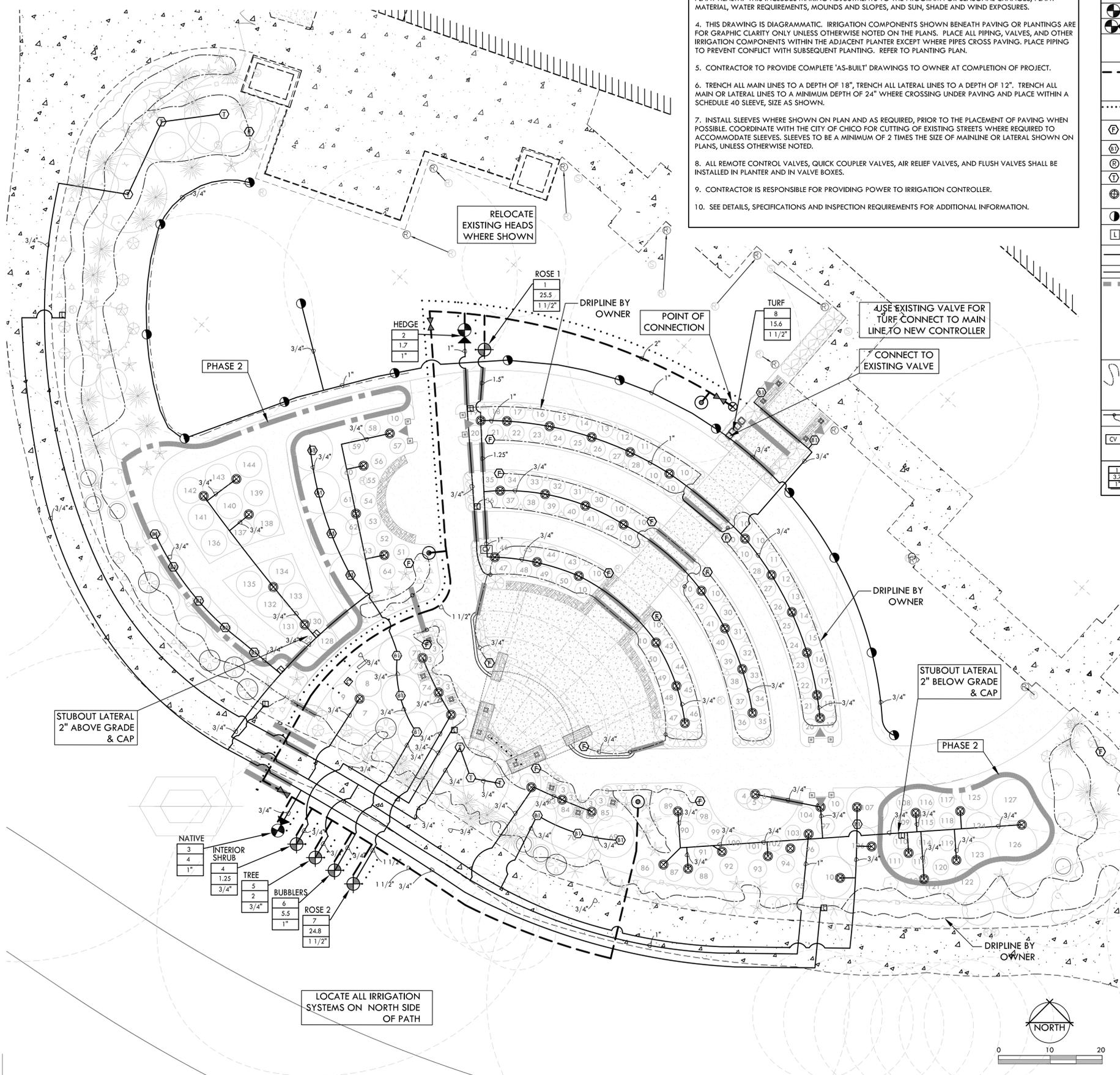
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IRRIGATION NOTES

- THIS SYSTEM IS DESIGNED NOT TO EXCEED A MAXIMUM DEMAND OF 30GPM. CONTACT THE LANDSCAPE ARCHITECT IN THE EVENT THAT FIELD TESTED PRESSURE IS LESS THAN REQUIRED FOR NEW IRRIGATION SYSTEM, PRIOR TO CONSTRUCTION.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. ADJUST CLOCK AS REQUIRED TO ACHIEVE THIS GOAL AS REQUIRED BY THE TIME OF YEAR.
- 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 CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS AND SLOPES, AND SUN, SHADE AND WIND EXPOSURES.
- THIS DRAWING IS DIAGRAMMATIC. IRRIGATION COMPONENTS SHOWN BENEATH PAVING OR PLANTINGS ARE FOR GRAPHIC CLARITY ONLY UNLESS OTHERWISE NOTED ON THE PLANS. PLACE ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS WITHIN THE ADJACENT PLANTER EXCEPT WHERE PIPES CROSS PAVING. PLACE PIPING TO PREVENT CONFLICT WITH SUBSEQUENT PLANTING. REFER TO PLANTING PLAN.
- CONTRACTOR TO PROVIDE COMPLETE 'AS-BUILT' DRAWINGS TO OWNER AT COMPLETION OF PROJECT.
- TRENCH ALL MAIN LINES TO A DEPTH OF 18", TRENCH ALL LATERAL LINES TO A DEPTH OF 12". TRENCH ALL MAIN OR LATERAL LINES TO A MINIMUM DEPTH OF 24" WHERE CROSSING UNDER PAVING AND PLACE WITHIN A SCHEDULE 40 SLEEVE, SIZE AS SHOWN.
- INSTALL SLEEVES WHERE SHOWN ON PLAN AND AS REQUIRED, PRIOR TO THE PLACEMENT OF PAVING WHEN POSSIBLE. COORDINATE WITH THE CITY OF CHICO FOR CUTTING OF EXISTING STREETS WHERE REQUIRED TO ACCOMMODATE SLEEVES. SLEEVES TO BE A MINIMUM OF 2 TIMES THE SIZE OF MAINLINE OR LATERAL SHOWN ON PLANS, UNLESS OTHERWISE NOTED.
- ALL REMOTE CONTROL VALVES, QUICK COUPLER VALVES, AIR RELIEF VALVES, AND FLUSH VALVES SHALL BE INSTALLED IN PLANTER AND IN VALVE BOXES.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER TO IRRIGATION CONTROLLER.
- SEE DETAILS, SPECIFICATIONS AND INSPECTION REQUIREMENTS FOR ADDITIONAL INFORMATION.

IRRIGATION LEGEND

SYM.	MFG'R	DESCRIPTION	MODEL	REMARKS	DETAILS
⊗		POINT OF CONNECTION		1-1/2", CONNECT TO NEW WATER METER	--
Ⓢ	HUNTER	I-CORE CONTROLLER AND EXPANSION MODULE, IN PLASTIC WALL MOUNT ENCLOSURE	IC-600-PL ICM-600	12 STATIONS, EXTERIOR WALL MOUNT BEHIND STAGE	3/L-3.1
Ⓢ	HUNTER	SOLAR SINK	SOLAR SYN SEN	LOCATE ON PANEL TOP, HIDDEN FROM VIEW AND IN FULL EXPOSURE TO NATURAL ELEMENTS. INSTALL PER MANUFACTURER'S SPECIFICATIONS.	--
⊕	HUNTER	QUICK COUPLER VALVE	--	1" QUICK COUPLER VALVE WITH LOCKING RUBBER COVER. INSTALL AT LOCATIONS SHOWN ON PLANS. 1/4 CARSON 910-VALVE BOX	6/L-3.1
⊖	HIBCO	ISOLATION VALVE	T-113-K	LOCATIONS PER PLAN. (INSTALL IN VALVEBOX TYPICAL.) SIZE PER PIPE, INSTALL WITH BRONZE CROSS HANDLE	
⊖	HUNTER	REMOTE CONTROL VALVE	ICV	VALVE SIZE PER PLAN. INSTALL VALVE ASSEMBLY IN VALVE BOX LEAVING ROOM FOR REMOVAL OF EQUIPMENT FOR MAINTENANCE. INSTALL WITH BALL VALVE, UNIONS AND RECLAIM WATER CONVERSION KIT PER DETAIL. ATTACH VALVE IDENTIFICATION TAGS TO VALVE STEM USING NYLON CABLE TIE. STAKE LOCATIONS OF REMOTE CONTROL VALVES FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO START OF WORK.	8/L-3.1
⊖	HUNTER	REMOTE CONTROL DRIP ZONE	ICZ-25		
T.CHRISTY		VALVE IDENTIFICATION TAGS	ID.STD.Y2		
---		MAIN LINE	SCHEDULE 40	2", LOCATION SHOWN ON PLAN FOR GRAPHIC CLARITY. INSTALL IN PLANTERS EXCEPT WHEN CROSSING BENEATH PAVING, WALKWAYS, WALLS, ETC. MAINTAIN A MINIMUM 5' CLEARANCE FOR TREE LOCATIONS. USE 45° ELBOWS WHEN CHANGING MAIN LINE DIRECTION AND DEPTH.	
T.CHRISTY		DETECTION TAPE (BLUE)	TA.DT.2.BI	INSTALL 2" BLUE IRRIGATION DETECTABLE MARKING TAPE ALONG MAIN LINE AND BRANCHES, TAPE DEPTH PER MANUFACTURER'S SPECIFICATIONS.	
----		CONTROL WIRE (12)		PVC SCHEDULE 40 CONDUIT FOR #14 CONTROLLER WIRE PROVIDE 12 WIRE BUNDLE. RUN TO ALL NEW & EXISTING VALVE AREAS.	
Ⓢ	HUNTER	LINE FLUSH VALVE	FLD-BV	1/2", INSTALL FLUSH VALVE IN CARSON 910 VALVE BOX, OR EQUAL AT LOCATIONS SHOWN PER PLAN AND AS PER MANUFACTURER'S SPECIFICATIONS.	12/L-3.1
Ⓢ	HUNTER	SHRUB BUBBLER	MSBN-50H	PVC FLEX HOSE (5/8") PVC AR-050	
Ⓢ		RELOCATE EXISTING HEAD			
Ⓢ		TREE RING	XFS-09-12	PVC FLEX HOSE (5/8") PVC AR-050	2/L-3.1
Ⓢ	HUNTER	PRO-ADJUSTABLE NOZZLE ON 5	4A 5I-506	ATTACH TO 1/2" SCHEDULE 80 RISER ON SWING JOINT(6"), AND POSITION NOZZLE 4" ABOVE FINISH GRADE OF SOIL. ADJUST NOZZLES TO MAINTAIN WATER USE ONLY AT THE BASE OF ADJACENT UNWATERED SHRUBS, AND TO MINIMIZE OVERSPRAY.	
Ⓢ	HUNTER	MP ROTATOR SR (CHECK VALVE PRESSURE)	MP3000/2000 PROS-06-PRS40-CV	INSTALL ON PRO-SPRAY 40	5/L-3.1
L	HUNTER	LATERAL LINE STUB OUT (CARD TO INSTALL DRIP LINE)		LOCATE AND PLACE 2" ABOVE GRADE AND CAP.	
---		PVC MANIFOLD/FLUSH LINE		COMPRESSION FITTINGS	
---		LATERAL	SCHEDULE 40	SIZE PER PLAN	5,7,9,10/L-3.1
T.CHRISTY		SLEEVE/ DETECTION TAPE (BLUE)	SCHEDULE 40 TA.DT.2.BI	SIZE PER PLAN ADD ADDITIONAL SLEEVES AS NEEDED TO ACCOMMODATE PIPES CROSSING BENEATH PAVEMENT, WALKWAYS, ETC. SLEEVE SIZE FOR 2" MAIN LINE SHALL BE 4". SLEEVE SIZE FOR MULTIPLE PIPES SHALL BE LARGE ENOUGH TO ALLOW 25% VOID SPACE AFTER ALL PIPES ARE PLACED. MINIMUM SLEEVE SIZE SHALL BE 2". CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH OTHER TRADES AS NEEDED. INSTALL 2" BLUE DETECTION TAPE ALONG LENGTH OF SLEEVE PER MANUFACTURER'S SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO MARK ALL REQUIRED SLEEVE LOCATIONS PRIOR TO START OF WORK. WHETHER OR NOT THEY ARE SHOWN ON PLAN.	10/L-3.1
S	RAINBIRD	DISTRIBUTION TUBING WITH XB-EMITTERS (BY OWNER)	XT-700-100 WITH XB-05	BURY DISTRIBUTION TUBING 4" DEEP AND BRING BACK TO SURFACE AT TOP OF ROOT BALL (PLACE EMITTER ON UPHILL SIDE OF ROOT BALL; STAKE DOWN W/6" U PINS EVERY 2'). (2) XB-05 EMITTER PER SHRUB. DISTRIBUTE TO ALL PLANTS. (4) XB-05 EMITTER PER LARGE SHRUB. LOCATE (2) ADJACENT & (2) FROM 12" ROOTBALL COVER TUBING W/ 2" BARK MULCH	4/L-3.1
S	RAINBIRD	CONNECTION OF PVC LATERAL TO XFD DISTRIBUTION TUBING	SCHEDULE 40		
CV	HUNTER	CHECK VALVE	HVC CHECK VALVE HC-75F-75M	INSTALL TUBING ON SURFACE AND COVER WITH 2" MULCH. SPACE LINES 12" APART. CONNECT LASER TUBING TO HOSE. BIB WITH SWIVEL ADAPTER (640SWA).	



IRRIGATION SPECIFICATIONS

- GENERAL - CONTRACTOR SHALL BID AND INSTALL IRRIGATION PER THESE PLANS AND SPECIFICATIONS UNLESS GIVEN FURTHER WRITTEN INSTRUCTIONS OR REVISED PLANS PER OWNER OR LANDSCAPE ARCHITECT. WORK INCLUDES BUT IS NOT LIMITED TO ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO FURNISH, INSTALL AND TEST IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
- QUALITY ASSURANCE - MANUFACTURERS DIRECTIONS AND DETAILED DRAWINGS SHALL BE FOLLOWED IN ALL CASES WHERE THE MANUFACTURERS OF COMPONENTS USED IN THIS CONTRACT COVER POINTS NOT SHOWN ON DRAWINGS AND SPECIFICATIONS.
- ORDINANCES AND REGULATIONS - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ANY AND ALL PERMITS AND INSPECTIONS AS REQUIRED. THE MATERIALS AND WORK SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE UNIFORM PLUMBING CODE AND THE NATIONAL ELECTRIC CODE.
- EXPLANATION OF DRAWINGS - ALL OFFSETS, FITTINGS, SLEEVES, ETC. NOT INDICATED DUE TO SCALE OF DRAWINGS ARE TO BE FURNISHED AS REQUIRED. BEFORE PROCEEDING WITH ANY WORK, CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND QUANTITIES AND SHALL INFORM THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL CONDITIONS. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR WORK INSTALLED IN SUCH AN AREA, FOR WORK MODIFIED WITHOUT APPROVAL. PIPE SIZES ON PLANS ARE MINIMUM ALLOWABLE.
- SUBMITTALS - SUBMIT CUT-SHEETS OF ALL IRRIGATION PRODUCT TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION. CONTRACTOR SHALL SUPPLY OWNER WITH AS-BUILT RECORD OF IRRIGATION ILLUSTRATING EXACT LOCATION OF LATERAL AND MAIN LINES, REMOTE CONTROL VALVES, POINTS OF CONNECTION, BACKFLOW PREVENTER, AND CONTROLLER. CONTRACTOR SHALL FURNISH TO OWNER KEYS TO CONTROLLER ENCLOSURE, AND ANY SPECIAL TOOLS REQUIRED FOR MAINTENANCE OF ALL IRRIGATION COMPONENTS.
- GUARANTEE - THE CONTRACTOR SHALL GUARANTEE THE IRRIGATION SYSTEM FOR A PERIOD OF 120 DAYS THAT THE SYSTEM SHALL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP AND THAT THE WORK HAS BEEN COMPLETED IN ACCORDANCE TO THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECTS FOR THE ABOVE MENTIONED TIME PERIOD AT NO COST TO THE OWNER. SUCH REPAIRS OR REPLACEMENTS SHALL BE COMPLETED WITHIN A 48 HOUR TIME PERIOD.
- CONTROL WIRES - CONNECTIONS BETWEEN THE CONTROLLER AND THE REMOTE CONTROL VALVES SHALL BE MADE WITH DIRECT BURIAL COPPER WIRE AWG-UF. 600 VOLT. WIRE SHALL BE SIZED NO LESS THAN #14, SHALL BE TAPED TO THE MAIN LINE AT 10 FOOT INTERVALS EXCEPT WHERE INDEPENDENTLY SLEEVED. AN EXPANSION CURL SHALL BE PROVIDED WITHIN 3 FEET OF EACH WIRE CONNECTION. EXPANSION CURLS SHALL BE 18 INCHES IN LENGTH AT EACH SPICE CONNECTION AND AT EACH CONTROL VALVE SO THAT IN CASE OF REPAIR THE VALVE BONNET CAN BE BROUGHT TO THE SURFACE WITHOUT DISCONNECTION OF CONTROL WIRES. ALL SPLICES SHALL BE MADE WITH TOM KING HARMONY PRODUCTS SNAPLOC LV-9000 SEALING PACKS, DRI-SPLICE DS-400 WIRE CONNECTORS, 3M DBY SEALING PACKS OR APPROVED EQUAL. ALL SPLICES SHALL BE WATERPROOF.
- BACKFILL - THE TRENCHES SHALL NOT BE BACKFILLED UNTIL ALL REQUIRED TESTS ARE PERFORMED. BACKFILL SHALL BE MECHANICALLY COMPACTED IN LANDSCAPED AREAS TO A DRY DENSITY EQUAL TO ADJACENT UNDISTURBED AREAS. BACKFILL SHALL CONFORM TO ADJACENT GRADES WITHOUT DIPS, SUNKEN AREAS, HUMPS, OR OTHER SURFACE IRREGULARITIES. IF SETTLEMENT OCCURS AND SUBSEQUENT ADJUSTMENTS ARE NECESSARY, THE CONTRACTOR SHALL MAKE ALL REQUIRED ADJUSTMENTS WITHOUT COST TO THE OWNER.
- ADJUSTMENT OF THE SYSTEM - THE CONTRACTOR SHALL FLUSH AND ADJUST ALL IRRIGATION HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO BUILDINGS, WALKS, WALLS AND FENCES AS MUCH AS POSSIBLE.
- TESTING - TEST ALL PRESSURE LINES, PRIOR TO BACKFILLING, UNDER HYDROSTATIC PRESSURE OF 120 PSI FOR A PERIOD OF 2 HOURS. IF LEAKS DEVELOP, REPAIR SYSTEM AND REPEAT TEST UNTIL PRESSURE IS HELD.
- BACKFLOW PREVENTION ASSEMBLY - INSTALL AS PER SPECIFICATIONS AND DETAILS.
- VALVES - INSTALL IN VALVE BOXES WITH DRAIN ROCK.
- SWING JOINTS - INSTALL IRRIGATION HEADS AS PER SPECIFICATIONS AND DETAILS.
- CLEAN UP - CLEAN UP SHALL BE MADE AS EACH PORTION OF WORK PROGRESSES. ALL PAVING AND WALKS SHALL BE BROOMED OR WASHED DOWN AND ANY DAMAGE SUSTAINED TO THE WORK OF OTHERS SHALL BE REPAIRED TO ORIGINAL CONDITIONS ACCEPTABLE TO THE OWNER.
- PROVIDE AS BUILTS, CONTROLLER CHART AND MANUALS FOR ALL PRODUCTS PRIOR TO APPROVAL OF MAINTENANCE PERIOD.

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LICENSE

CONSULTANT

CLIENT

CHICO AREA RECREATION AND PARK DISTRICT

PROJECT

ROSE GARDEN AND PAVILION

SHEET TITLE

IRRIGATION PLAN

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
3.		
4.		
5.		
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7.		
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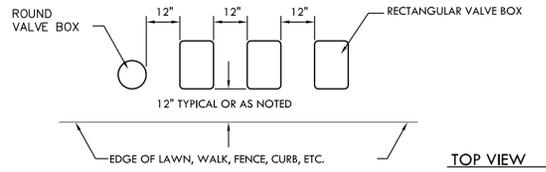
PLOT DATE: 10/29/2015

PROJECT NUMBERS

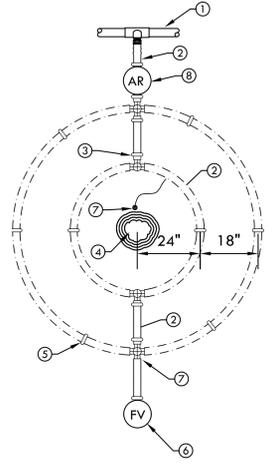
MELTON DESIGN GROUP: 2097
 CONSULTANT PROJECT #:

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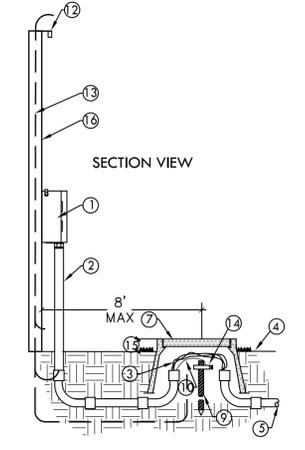
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- CONTACT LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL OF VALVE AND ELECTRIC BOX LOCATIONS WHEN INSTALLATION CONFLICTS WITH PLANTING PLAN.
- VALVE BOX; COLOR PER PLAN. ELECTRIC BOXES SHALL BE GRAY IN COLOR.
- INSTALL VALVE AND ELECTRIC BOXES IN PLANTER AREAS IN GROUPINGS. INSTALL IN GROUPS NOT TO EXCEED THREE (3) BOXES AT ANY ONE LOCATION. SEPARATE VALVE GROUPS A MINIMUM OF TWENTY (20) FOOT INTERVALS.
- SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, WALK, FENCE, CURB, ETC.
- VALVE BOXES SHALL BE SIZED TO ENCLOSE THE VALVE ASSEMBLY. CENTER VALVE BOX TO ALLOW OPERATION AND MAINTENANCE OF ASSEMBLY INCLUDING PVC SCHEDULE 80 UNIONS.
- REMOVE CONTROL VALVE, QUICK COUPLER VALVE AND GATE VALVE BOXES SHALL BE INSTALLED ADJACENT TO HARDSCAPE AS SHOWN ON PLANS.
- AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES. VALVE AND ELECTRIC BOXES THAT SHOW COMPACTION DAMAGE SHALL BE REMOVED AND REPLACED WITH NEW AT NO ADDITIONAL EXPENSE TO THE OWNER.
- INSTALL EXTENSIONS AS NEEDED AND AS PER DETAIL AND SPECIFICATIONS, TO ENCLOSE THE ENTIRE ASSEMBLY FOR EASY ACCESS.
- INSTALL A MINIMUM 6" LAYER OF 3/4" CRUSHED ROCK AS VALVE BOX BASE. EXTEND ROCK BASE A MINIMUM OF 2" BEYOND EXTERIOR FOOTING OF BOX. INSTALL 1/4" GALVANIZED WIRE ON TOP OF ROCK BASE PRIOR TO SETTING VALVE BOX. LEVEL AND BACKFILL.



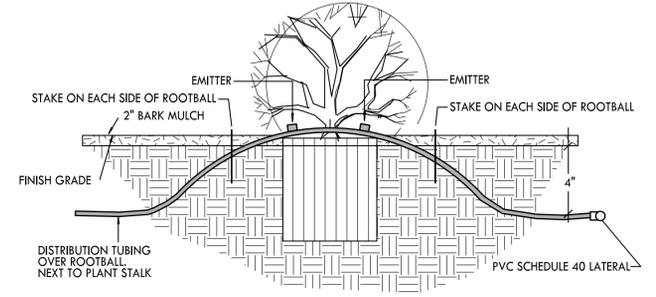
- PVC SCHEDULE 40, PLD BLANK TUBING OR TECHLINE SUPPLY HEADER PER PLAN; SIZE PER PLAN
- PLD-DRIP LINE - BURIED 12" BELOW FINISH GRADE; INSTALL FIRST LOOP 18" MAX. FROM TREE TRUNK THEN 18" ON CENTER. SEE MANUFACTURER'S SPECIFICATIONS
- PLD INSERT TEE, MODEL TLTEE
- TREE TRUNK
- 6" SOIL STAPLE; INSTALL AT 3' INTERVALS ALONG ENTIRE LENGTH OF DRIP LINE. PLD INSERT CROSS. PLD AIR RELIEF VALVE. PLD START CONNECTOR; BARB X THREAD. CONNECT START CONNECTOR TO FITTING PER MANUFACTURER'S SPECIFICATIONS
- PLD FLUSH VALVE PER MANUFACTURER'S SPECIFICATIONS
- 1 GPH EMITTER ON 1/4" DISTRIBUTION TUBING; CONNECT TO SUBSURFACE DRIPPERLINE AND BRING TO SURFACE APPROXIMATE 12" FROM ROOT BALL
- AIR RELIEF VALVE INSTALL AT HIGHEST POINT



- AUTOMATIC SPRINKLER CONTROLLER PER PLAN
- PVC SCHEDULE 40 CONDUIT AND FITTINGS, SIZE AS NEEDED
- COMMON AND CONTROL WIRES
- FINISH GRADE
- SCHEDULE 40 PVC CONDUIT TO VALVES, SIZE AS NEEDED
- ELECTRICAL CONDUIT TO SOURCE. POWER REQUIRED: 120 VAC, 60 Hz, 2 AMPS MAX.
- GRAY PLASTIC VALVE BOX; CARSON MODEL 910 OR APPROVED EQUAL

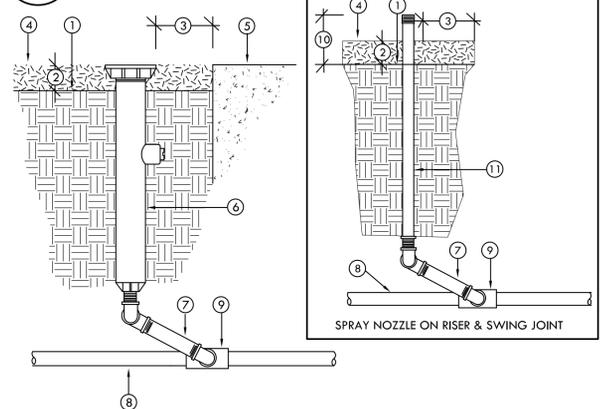
- 8' COPPER CLAD GROUND ROD, INSTALL PER N.E.C. AND LOCAL CODES (INSTALL IN IRRIGATED AREA)
- #8 BARE COPPER WIRE
- SOLAR SYNC-INSTALL AS PER MANUFACTURER'S SPECIFICATIONS. ON TOP OF PANEL WALL
- WIRE TO SOLAR SYNC
- ACORN CLAMP
- 1/2" IN SEED 1-1/2" IN SOD 2-1/2" IN PLANTER
- PANEL WALL

- NOTES:
- COMMON AND CONTROL WIRE COLORS - SEE SPECIFICATIONS.
 - NO SPLICES SHALL BE MADE BETWEEN CONTROLLER AND REMOTE CONTROL VALVE UNDER 500 FEET. SECURE TO TERMINAL STRIP PROVIDED IN ENCLOSURE.
 - CONTROL WIRING (AWG.UF #14) WIRES.
 - ANCHOR TO ELECTRICAL PANEL



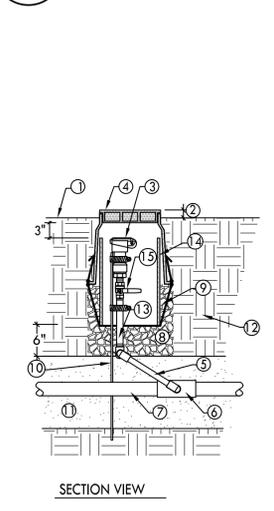
- TRIM VALVE BOX TO PROVIDE 1" CLEARANCE OVER PIPE
- 1/4" GALVANIZED WIRE CLOTH PLACED ABOVE GRAVEL LEAVING 3" MIN. SPACE TO VALVE.
- REMOTE CONTROL VALVE & DRIP VALVE ASSEMBLY; SIZE AND MODEL PER PLAN
- LOCKING WATERPROOF WIRE CONNECTOR, MODELS TRHP LV-9000, DS-400
- PLASTIC VALVE BOX WITH LOCKING COVER, CARSON MODEL 1220-12 OR APPROVED EQUAL.
- COMMON AND CONTROL WIRES; AS NEEDED. PROVIDE MINIMUM 18" COILED EXTRA.
- SCHEDULE 40 PVC NIPPLE; LENGTH AS REQUIRED
- PVC SCHEDULE 40 MAINLINE. 18" MINIMUM COVER. SEE SPECIFICATIONS.
- 3/4" CRUSHED ROCK; 6" DEPTH
- SCHEDULE 80 PVC TEE (5x5x5)
- (4) COMMON BRICKS FOR VALVE BOX SUPPORT
- PVC SCHEDULE 40 CONDUIT; SIZE AS NEEDED. SEE SPECIFICATIONS.
- PVC SCHEDULE 40 CONDUIT SWEEP, COUPLED BOTH ENDS
- 12" FROM HARDSCAPE
- NOTES: 1. ALL SLP FITTINGS TO BE PRIMED AND GLUED. 2. ONE VALVE PER BOX 3. INSTALL MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPE. 4. INSTALL IN PLANTER BEDS WHERE POSSIBLE. 5. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPE. 6. USE MIN. 3 WRAPS OF TEFLON TAPE AT EACH THREADED CONNECTION.

1 VALVE BOX LAYOUT



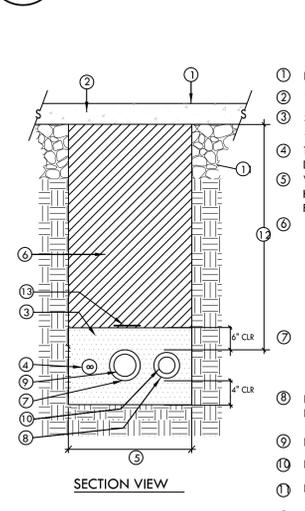
- FINISH GRADE
- SET TOP OF SPRINKLER ABOVE FINISH GRADE: 1/2" IN SEED 1-1/2" IN SOD 2-1/2" IN PLANTER OR DECOMPOSED GRANITE
- SPACING FROM HARDSCAPE: 1" MIN., 2" MAX. INSTALL FLUSH WITH ADJACENT HARDSCAPE AND PERPENDICULAR TO GRADE.
- TOP OF MULCH
- EDGE OF PAVING OR FACE OF WALL
- POP-UP SPRAY SPRINKLER: SIZE AND MODEL PER PLANS
- RAINBIRD SWING ASSEMBLY: SA-6050, OR APPROVED EQUAL
- PVC SCHEDULE 40 LATERAL PIPE
- PVC SCHEDULE 40 FITTING, SL x TH
- SPRAY NOZZLE 4" ABOVE FINISH GRADE
- 12" SCHEDULE 80 RISER

2 PLD-DRIP LINE LAYOUT - TREE RING



- FINISH GRADE
- SET TOP OF BOX 1 1/2" ABOVE FINISH GRADE. (TYPICAL)
- QUICK COUPLING VALVE WITH LOCKING RUBBER COVER; INSTALL SO QUICK COUPLER KEY CLEARS VALVE BOX.
- ROUND PLASTIC VALVE BOX WITH BOLT DOWN COVER; CARSON MODEL 910 OR APPROVED EQUAL
- MANUFACTURED TRIPLE SWING JOINT, KBI MODEL TSA-1000-TT OR APPROVED EQUAL PVC SCHEDULE 80 TEE
- PVC SCHEDULE 40 MAINLINE; SIZE PER PLAN
- 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH
- 1/4" GALVANIZED WIRE CLOTH
- #6 X 30" REBAR; SECURE QUICK COUPLER VALVE TO REBAR WITH STAINLESS STEEL HOSE CLAMPS (TYP. 2 PLCS.)
- SAND BACKFILL; 4" ABOVE AND BELOW MAIN LINE
- NATIVE SOIL BACKFILL; COMPACT TO SAME DENSITY OF ADJACENT UNDISTURBED SOILS
- PVC SCHEDULE 80 NIPPLE; LENGTH AS NEEDED
- 8" DIAMETER PVC SCHEDULE 40 SLEEVE; LENGTH AS REQUIRED. CUT TOP OF PIPE SQUARE AND CLEAN OF ROUGH EDGES AND BURRS.
- 1" BRASS BALL VALVE; INSTALL SO LEVER HANDLE IS ACCESSIBLE FOR MAINTENANCE.

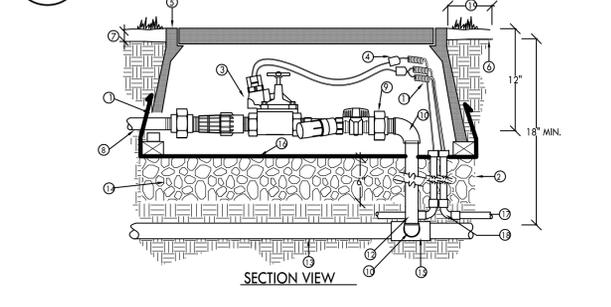
3 CONTROLLER AND SOLAR SYNC



- FINISH GRADE
- VEHICULAR OR PEDESTRIAN PAVING
- SAND BACKFILL WITH 6" COVER ABOVE SLEEVE AND 4" BELOW SLEEVE
- 1-1/2" PVC SCHEDULE 40 CONDUIT WITH 2-WIRE DECODER CABLE
- WIDTH AS NEEDED TO MAINTAIN MINIMUM 4" HORIZONTAL SEPARATION BETWEEN SLEEVES AND FROM SIDES OF TRENCH
- TRENCH BACKFILL: BENEATH VEHICULAR PAVEMENT: PER ENGINEERS PLAN
- BENEATH NON-VEHICULAR PAVEMENT: -NATIVE SITE SOIL, COMPACTED TO ELIMINATE SETTLING, 90% RELATIVE DENSITY
- MAIN LINE SLEEVE- 6" AND LARGER HDPE CORRUGATED PIPE WITH SMOOTH INTERIOR WALL 4" AND SMALLER PVC SCHEDULE 40 PIPE. SIZE PER PLAN
- LATERAL SLEEVE- SCHEDULE 40 PVC PIPE. SIZE PER PLAN.
- PVC MAIN LINE; SIZE AND TYPE PER PLAN
- PVC LATERAL LINE; SIZE AND TYPE PER PLAN
- PAVEMENT SUBGRADE- AS PER ENGINEER'S PLANS
- SLEEVEING - 24" MINIMUM COVER BENEATH PAVING. EXTEND SLEEVES 12" BEYOND EDGE OF HARDSCAPE.
- MAIN LINE DETECTION TAPE; SIZE AND TYPE PER PLANS

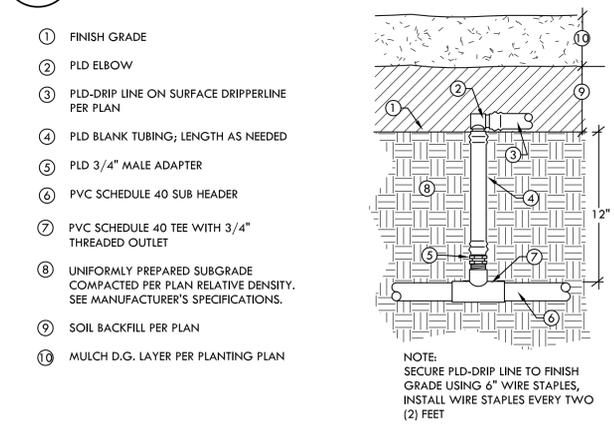
- NOTE: 1. SIDES OF TRENCH WILL BE DUG SQUARE AND CLEAN OF ALL SHARP MATERIAL.

4 SHRUB DRIP EMITTER



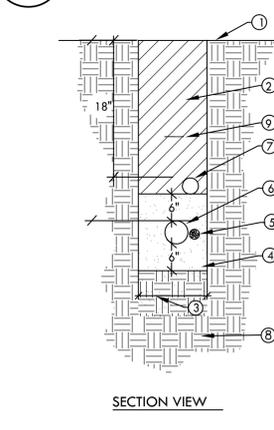
- TRIM VALVE BOX TO PROVIDE 1" CLEARANCE OVER PIPE
- 1/4" GALVANIZED WIRE CLOTH PLACED ABOVE GRAVEL LEAVING 3" MIN. SPACE TO VALVE.
- REMOTE CONTROL VALVE & DRIP VALVE ASSEMBLY; SIZE AND MODEL PER PLAN
- LOCKING WATERPROOF WIRE CONNECTOR, MODELS TRHP LV-9000, DS-400
- PLASTIC VALVE BOX WITH LOCKING COVER, CARSON MODEL 1220-12 OR APPROVED EQUAL.
- COMMON AND CONTROL WIRES; AS NEEDED. PROVIDE MINIMUM 18" COILED EXTRA.
- SCHEDULE 40 PVC NIPPLE; LENGTH AS REQUIRED
- PVC SCHEDULE 40 MAINLINE. 18" MINIMUM COVER. SEE SPECIFICATIONS.
- 3/4" CRUSHED ROCK; 6" DEPTH
- SCHEDULE 80 PVC TEE (5x5x5)
- (4) COMMON BRICKS FOR VALVE BOX SUPPORT
- PVC SCHEDULE 40 CONDUIT; SIZE AS NEEDED. SEE SPECIFICATIONS.
- PVC SCHEDULE 40 CONDUIT SWEEP, COUPLED BOTH ENDS
- 12" FROM HARDSCAPE
- NOTES: 1. ALL SLP FITTINGS TO BE PRIMED AND GLUED. 2. ONE VALVE PER BOX 3. INSTALL MINIMUM OF 12" FROM STRUCTURES OR HARDSCAPE. 4. INSTALL IN PLANTER BEDS WHERE POSSIBLE. 5. PLACE VALVE BOX AT RIGHT ANGLES TO STRUCTURES OR HARDSCAPE. 6. USE MIN. 3 WRAPS OF TEFLON TAPE AT EACH THREADED CONNECTION.

5 MP ROTATOR/SPRAY NOZZEL ON RISER



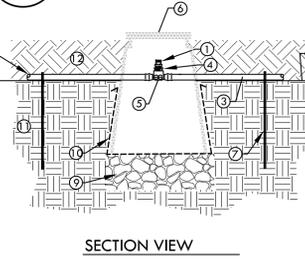
- FINISH GRADE
- PLD ELBOW
- PLD-DRIP LINE ON SURFACE DRIPPERLINE PER PLAN
- PLD BLANK TUBING; LENGTH AS NEEDED
- PLD 3/4" MALE ADAPTER
- PVC SCHEDULE 40 SUB HEADER
- PVC SCHEDULE 40 TEE WITH 3/4" THREADED OUTLET
- UNIFORMLY PREPARED SUBGRADE COMPACTED PER PLAN RELATIVE DENSITY. SEE MANUFACTURER'S SPECIFICATIONS.
- SOIL BACKFILL PER PLAN
- MULCH D.G. LAYER PER PLANTING PLAN

6 QUICK COUPLER



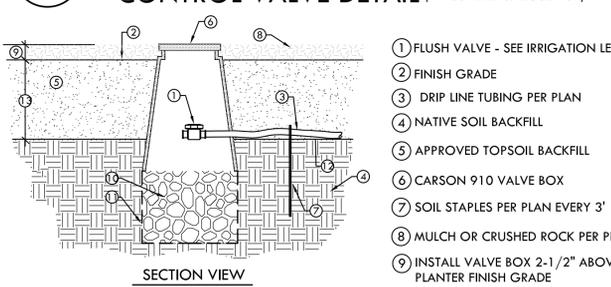
- FINISH GRADE
- APPROVED TOPSOIL BACKFILL, NO PARTICLES GREATER THAN 1". COMPACT PER SPECIFICATIONS
- WIDTH AS REQUIRED TO MAINTAIN MINIMUM HORIZONTAL SEPARATION
- COMPACTED SAND FILL, DEPTH AS REQUIRED - SEE SPECIFICATIONS. MINIMUM 6" BACKFILL BENEATH PIPE AND 6" BACKFILL OVER PIPE
- 24V ELECTRICAL WIRES IN CONDUIT AS PER CITY SPECIFICATIONS
- PVC CLASS 315 SW OR 200 GJ MAIN LINE - SEE SPECIFICATIONS.
- PVC SCHEDULE 40 LATERAL - SEE SPECIFICATIONS.
- UNDISTURBED SUBGRADE
- 3" WIDE DETECTABLE TAPE AS PER PLANS AND MANUFACTURER'S SPECIFICATIONS

7 TRENCHING BENEATH PAVEMENT



- 1/2" MPT AIR/VACUUM RELIEF VALVE; PLD-AIR OR APPROVED EQUAL. CONTRACTOR SHALL FIELD LOCATE AT HIGHEST POINT OF SYSTEM. USE MULTIPLE AIR/VACUUM RELIEF VALVES AS NEEDED.
- FINISH GRADE
- BLANK DRIPPER LINE OR PVC SUPPLY HEADER; TYPE PER PLAN. (BLANK DRIPPER LINE SHOWN)
- 3/4" MPT x 1/2" FPT REDUCER
- 1/2" x 1/2" x 3/4" FPT COMBINATION TEE, NETAfim MODEL TL075FTEE OR APPROVED EQUAL
- 9" ROUND PLASTIC VALVE BOX, CARSON MODEL 910 OR APPROVED EQUAL
- SECURE PLD TUBING USING 6" SOIL STAPLES. INSTALL EVERY TWO (2) FEET
- INSTALL VALVE BOX 3" ABOVE FINISH GRADE IN MULCHED PLANTER BEDS
- 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH
- 1/4" GALVANIZED WIRE CLOTH
- UNIFORMLY PREPARED SUBGRADE, SEE PLANTING SPECIFICATIONS.
- 3" MULCH; SEE PLANTING PLAN
- INSTALL DRIPPERLINE SUBSURFACE 4" BELOW FINISH GRADE WITH 2" OF MULCH COVER.

8 REMOTE CONTROL DRIP ZONE & REMOTE CONTROL VALVE DETAIL (MINUS FILTER & REGULATOR)



- FLUSH VALVE - SEE IRRIGATION LEGEND
- FINISH GRADE
- DRIP LINE TUBING PER PLAN
- NATIVE SOIL BACKFILL
- APPROVED TOPSOIL BACKFILL
- CARSON 910 VALVE BOX
- SOIL STAPLES PER PLAN EVERY 3'
- MULCH OR CRUSHED ROCK PER PLAN
- INSTALL VALVE BOX 2-1/2" ABOVE PLANTER FINISH GRADE
- 3/4" CRUSHED ROCK, 6" MINIMUM DEPTH
- 1/4" GALVANIZED WIRE CLOTH
- OVER EXCAVATED SUBGRADE
- 8" TO 12" DEEP

9 PLD-DRIP LINE STARTER CONNECTION ELBOW

10 TRENCHING

11 HUNTER AIR RELIEF VALVE

12 HUNTER FLUSH VALVE



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CHICO AREA RECREATION AND PARK DISTRICT

PROJECT

ROSE GARDEN AND PAVILION

SHEET TITLE
IRRIGATION DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
3.		
4.		
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6.		
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PLOT DATE: 10/29/2015

PROJECT NUMBERS

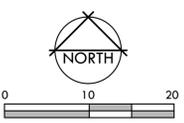
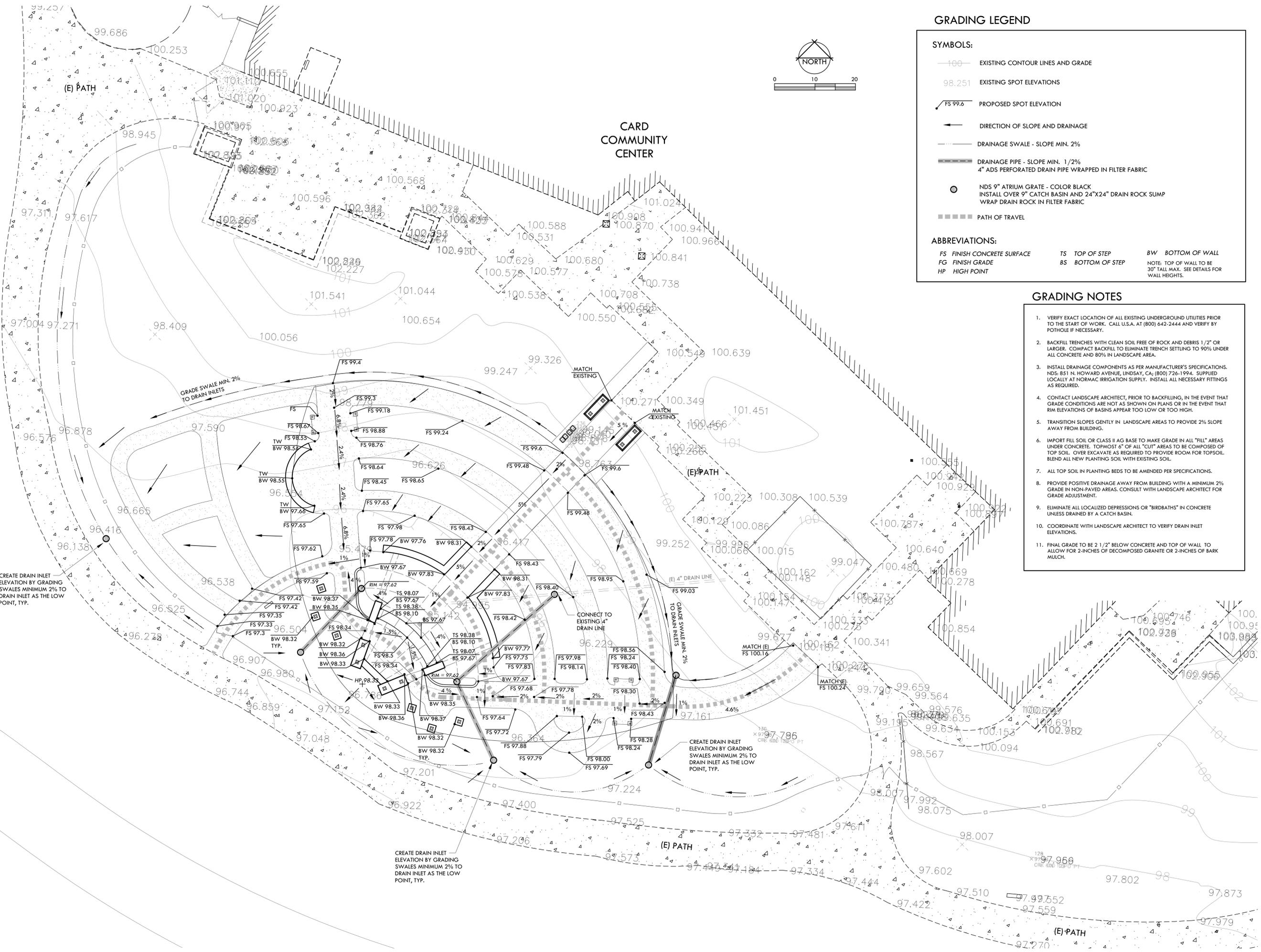
MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

SHEET NUMBER

L-3.1

Plot Date: October 29, 2015 - 4:41 pm File Name: G:\MDC(2000-2100)\2097 CARD Rose Garden\2097 CAD\2097 CDs\2097 L-3.0-3.1 Irrig.dwg

Plot Date: October 29, 2015 11:15 am File Name: G:\MDG(2000-2100)\2097 CARD Rose Garden\2097 CAD\2097 CDS\2097 L-4.0 Grading.dwg



GRADING LEGEND

SYMBOLS:

- EXISTING CONTOUR LINES AND GRADE
- EXISTING SPOT ELEVATIONS
- PROPOSED SPOT ELEVATION
- DIRECTION OF SLOPE AND DRAINAGE
- DRAINAGE SWALE - SLOPE MIN. 2%
- DRAINAGE PIPE - SLOPE MIN. 1/2%
4" ADS PERFORATED DRAIN PIPE WRAPPED IN FILTER FABRIC
- NDS 9" ATRIUM GRATE - COLOR BLACK
INSTALL OVER 9" CATCH BASIN AND 24"x24" DRAIN ROCK SUMP
WRAP DRAIN ROCK IN FILTER FABRIC
- PATH OF TRAVEL

ABBREVIATIONS:

FS FINISH CONCRETE SURFACE	TS TOP OF STEP	BW BOTTOM OF WALL
FG FINISH GRADE	BS BOTTOM OF STEP	NOTE: TOP OF WALL TO BE 30" TALL MAX. SEE DETAILS FOR WALL HEIGHTS.
HP HIGH POINT		

GRADING NOTES

1. VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO THE START OF WORK. CALL U.S.A. AT (800) 642-2444 AND VERIFY BY POTHOLE IF NECESSARY.
2. BACKFILL TRENCHES WITH CLEAN SOIL FREE OF ROCK AND DEBRIS 1/2" OR LARGER. COMPACT BACKFILL TO ELIMINATE TRENCH SETTLING TO 90% UNDER ALL CONCRETE AND 80% IN LANDSCAPE AREA.
3. INSTALL DRAINAGE COMPONENTS AS PER MANUFACTURER'S SPECIFICATIONS. NDS: 851 N. HOWARD AVENUE, LINDSAY, CA; (800) 726-1994. SUPPLIED LOCALLY AT NORMAC IRRIGATION SUPPLY. INSTALL ALL NECESSARY FITTINGS AS REQUIRED.
4. CONTACT LANDSCAPE ARCHITECT, PRIOR TO BACKFILLING, IN THE EVENT THAT GRADE CONDITIONS ARE NOT AS SHOWN ON PLANS OR IN THE EVENT THAT RIM ELEVATIONS OF BASINS APPEAR TOO LOW OR TOO HIGH.
5. TRANSITION SLOPES GENTLY IN LANDSCAPE AREAS TO PROVIDE 2% SLOPE AWAY FROM BUILDING.
6. IMPORT FILL SOIL OR CLASS II AG BASE TO MAKE GRADE IN ALL "FILL" AREAS UNDER CONCRETE. TOPMOST 6" OF ALL "CUT" AREAS TO BE COMPOSED OF TOP SOIL. OVER EXCAVATE AS REQUIRED TO PROVIDE ROOM FOR TOPSOIL. BLEND ALL NEW PLANTING SOIL WITH EXISTING SOIL.
7. ALL TOP SOIL IN PLANTING BEDS TO BE AMENDED PER SPECIFICATIONS.
8. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING WITH A MINIMUM 2% GRADE IN NON-PAVED AREAS. CONSULT WITH LANDSCAPE ARCHITECT FOR GRADE ADJUSTMENT.
9. ELIMINATE ALL LOCALIZED DEPRESSIONS OR "BIRDBATHS" IN CONCRETE UNLESS DRAINED BY A CATCH BASIN.
10. COORDINATE WITH LANDSCAPE ARCHITECT TO VERIFY DRAIN INLET ELEVATIONS.
11. FINAL GRADE TO BE 2 1/2" BELOW CONCRETE AND TOP OF WALL TO ALLOW FOR 2-INCHES OF DECOMPOSED GRANITE OR 2-INCHES OF BARK MULCH.



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CHICO AREA RECREATION AND PARK DISTRICT

PROJECT

ROSE GARDEN AND PAVILION

SHEET TITLE

GRADING PLAN

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
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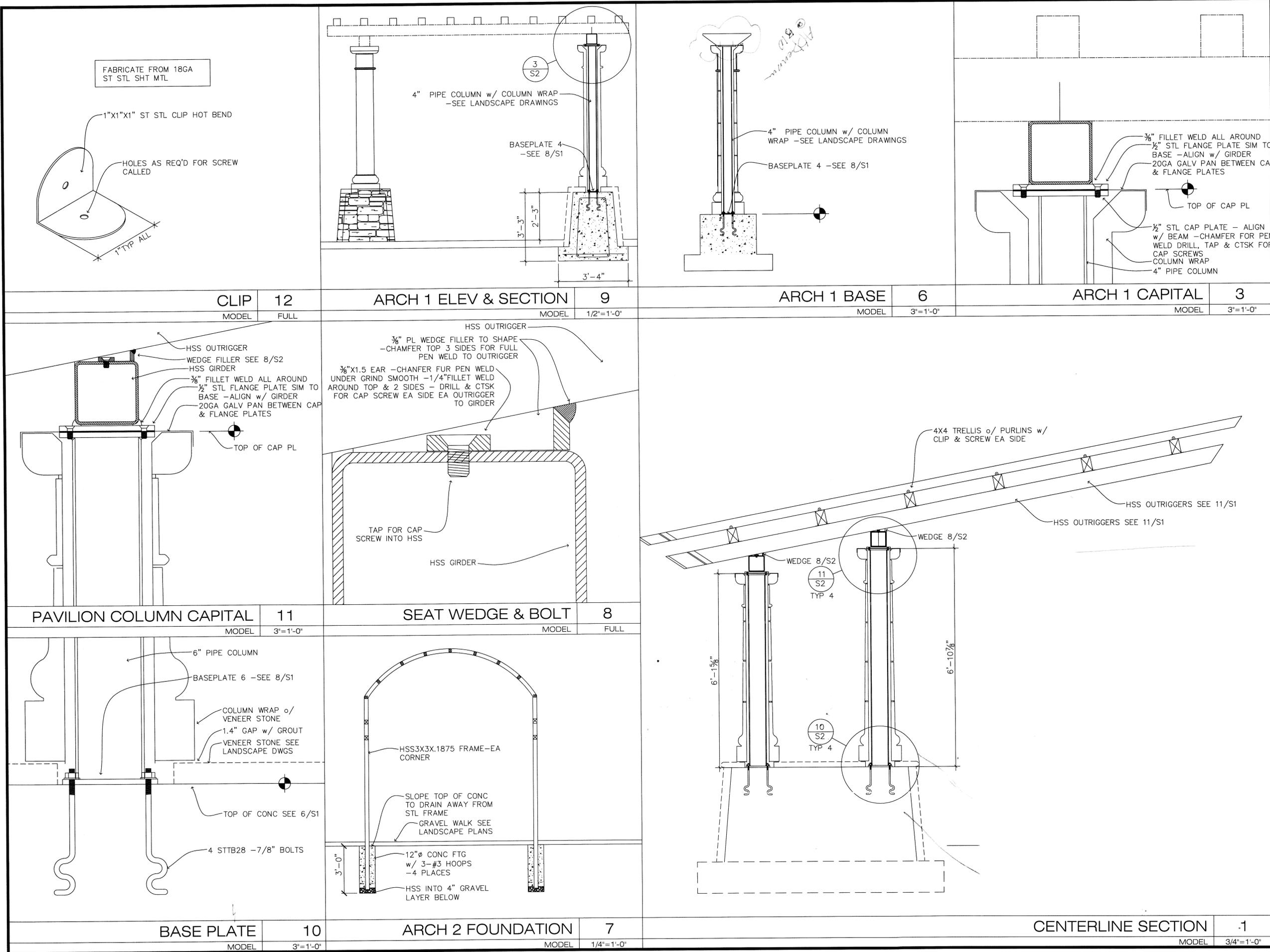
PLOT DATE: 10/29/2015

PROJECT NUMBERS

MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

SHEET NUMBER

L-4.0



ARCHITECT'S STAMP

DATE:									
REVISIONS:									
	X								
DATE PRINTED:	PRELIMINARY								
DRAWN BY:	P. COLE	PROJECT NO.:	1507						
CHECKED BY:	P. COLE	DATE:	10/05/2015						

PROJECT NAME

ROSE GARDEN & PAVILION
for
CHICO AREA RECREATION & PARK DISTRICT

ARCADEME
Studio . . . 530.343.5709
355 . . . East . . . 9th . . . Street
Chicago, California . . . 95928

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SECTIONS & DETAILS

SHEET NO.

S-2



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PROJECT

ROSE GARDEN AND PAVILION

SHEET TITLE

ELECTRICAL AND LIGHTING PLAN

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
3.		
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PLOT DATE: 10/29/2015

PROJECT NUMBERS

MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

SHEET NUMBER

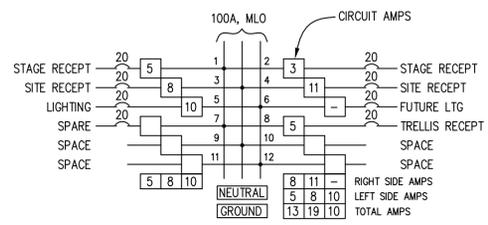
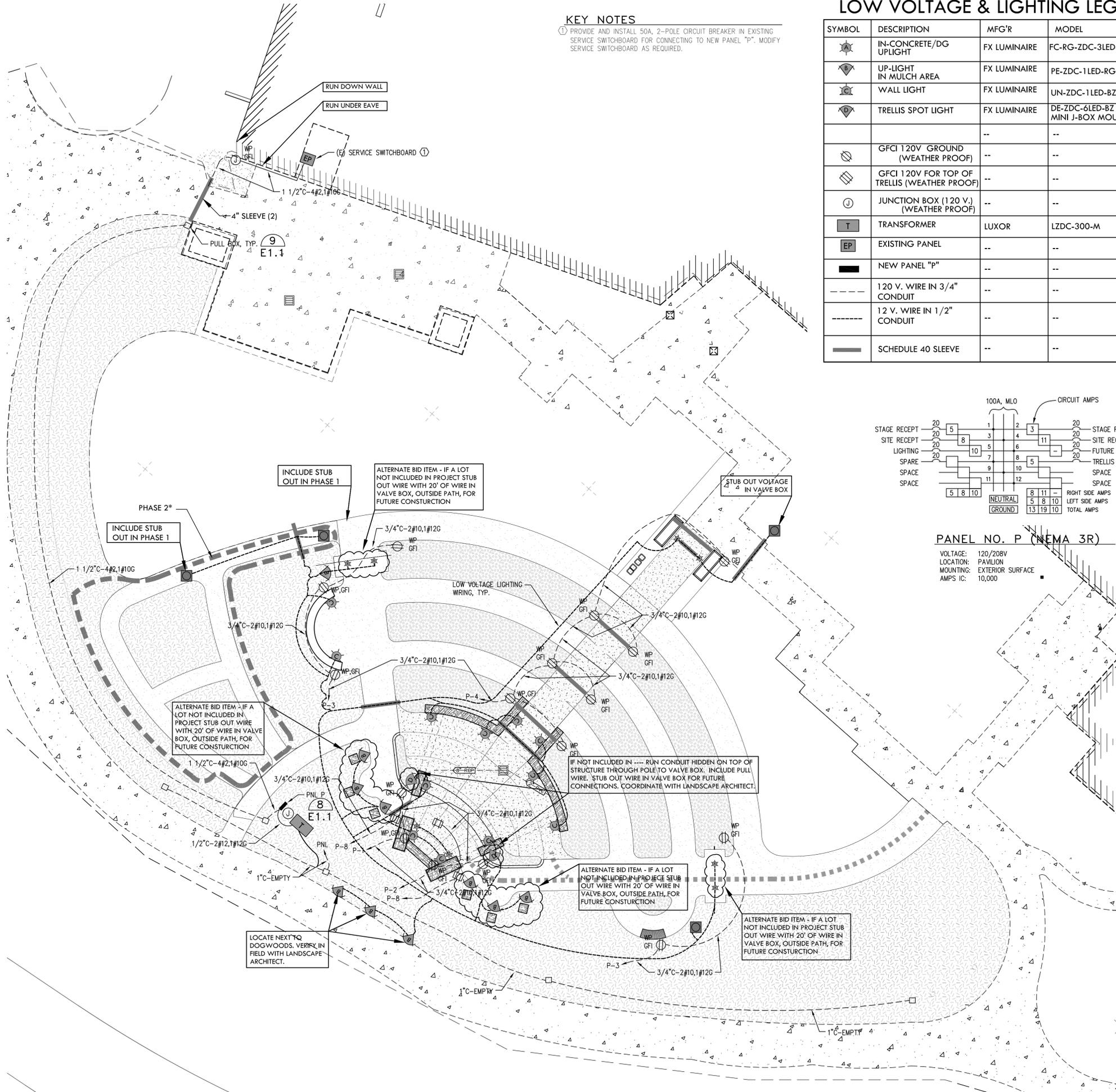
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LOW VOLTAGE & LIGHTING LEGEND

SYMBOL	DESCRIPTION	MFG'R	MODEL	FINISH	LAMP	WATTS	REMARKS	DETAIL
	IN-CONCRETE/DG UPLIGHT	FX LUMINAIRE	FC-RG-ZDC-3LED-RG-BZ	BRONZE METALLIC	3 LED	20W	FLUSH WITH SURFACE IN CONCRETE, OR DECOMPOSED GRANITE PATH	SEE DETAIL 3 SHEET E1.1
	UP-LIGHT IN MULCH AREA	FX LUMINAIRE	PE-ZDC-1LED-RG-CB	BRONZE METALLIC	1 LED	20W		SEE DETAIL 4 SHEET E1.1
	WALL LIGHT	FX LUMINAIRE	UN-ZDC-1LED-BZ	BRONZE METALLIC	1 LED	10W	MOUNT FLUSH W/ STONE	SEE DETAILS 5 AND 6 SHEET E1.1
	TRELLIS SPOT LIGHT	FX LUMINAIRE	DE-ZDC-6LED-BZ MINI J-BOX MOUNT	BRONZE METALLIC	6 LED	20W	SECURITY LIGHT - PER MANUFACTURER SPECIFICATIONS	--
	GFCI 120V GROUND (WEATHER PROOF)	--	--	--	--	--	MOUNT IN WALL OR IN JUNCTION BOX	SEE DETAIL 6 SHEET E1.1
	GFCI 120V FOR TOP OF TRELLIS (WEATHER PROOF)	--	--	--	--	--	HIDE ON TOP OF TRELLIS IN CENTER CONFIRM W/ LANDSCAPE ARCHITECT	SEE DETAIL 6 SHEET E1.1
	JUNCTION BOX (120 V.) (WEATHER PROOF)	--	--	--	--	--	FOR LOW VOLTAGE TRANSFORMER	
	TRANSFORMER	LUXOR	LZDC-300-M	MATT GREY		300W	MOUNT ON BACK OF PNL P1	
	EXISTING PANEL	--	--	--	--	--	--	
	NEW PANEL "P"	--	--	--	--	--	--	
	120 V. WIRE IN 3/4" CONDUIT	--	--	--	--	--	--	
	12 V. WIRE IN 1/2" CONDUIT	--	--	--	--	--	--	
	SCHEDULE 40 SLEEVE	--	--	--	--	--	SIZE AS NEEDED	

KEY NOTES
 ① PROVIDE AND INSTALL 50A, 2-POLE CIRCUIT BREAKER IN EXISTING SERVICE SWITCHBOARD FOR CONNECTING TO NEW PANEL "P". MODIFY SERVICE SWITCHBOARD AS REQUIRED.

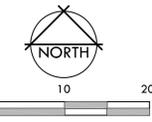
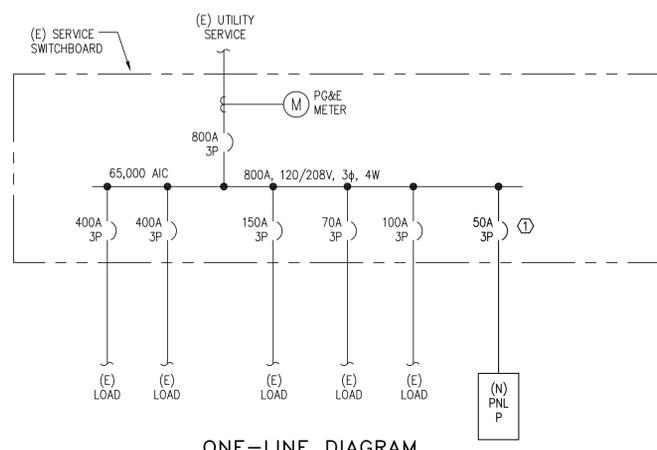


PANEL NO. P (NEMA 3R)

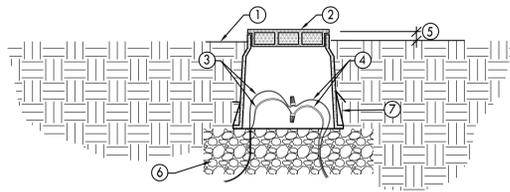
VOLTAGE: 120/208V
 LOCATION: PAVILION
 MOUNTING: EXTERIOR SURFACE
 AMPS IC: 10,000

GENERAL NOTES

1. MAINTAIN A MINIMUM 30"W x 36"D CLEAR SPACE IN FRONT OF ALL ELECTRICAL DISCONNECTS AND PANELS PER THE CEC.
2. MAINTAIN WORKING SPACE AND 6"-6" HEAD ROOM IN FRONT OF ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH CEC.
3. CONDUIT TYPE SHALL BE AS INDICATED BELOW FOR LOCATIONS SHOWN:
 A. EXTERIOR EXPOSED: EMT
 B. INTERIOR EXPOSED: EMT
 C. DIRECT EARTH BURIAL: PVC SCHEDULE 40
4. ALL 120V CONDUCTORS SHALL BE STRANDED COPPER TYPE THHN/THWN INSULATION, 90° DRY/ 75° WET.
5. INSTALLED CONDUIT SHALL MEET THE FOLLOWING SPECIFICATIONS:
 ELECTRIC METALLIC TUBING: HOT-DIP GALVANIZED, WITH CHROMATED PROTECTIVE LAYER MEETING THE REQUIREMENTS OF ANSI C80.3 AND UL797.
 PVC SCHEDULE 40: UL LISTED FOR UNDER GROUND DIRECT BURIAL MEETING REQUIREMENTS OF NEMA TC2 AND UL651.
6. RECEPTACLES SHALL BE SPECIFICATION GRADE WITH NUMBER OF POLES AS REQUIRED. RECEPTACLES SHALL BE PROVIDED WITH GROUND TERMINALS AND SCREW TERMINALS SUITABLE FOR NO. 10 CONDUCTORS. RECEPTACLES SHALL BE RATED FOR 20A, 120V WITH A NEMA 5-20R CONFIGURATION. DEVICE PLATE SHALL BE WEATHERPROOF WITH NEMA 3R RATING WITH RECEPTACLE IN USE.
7. PANELBOARDS SHALL BE RATED AS SHOWN AND PROVIDED WITH TIN-PLATED ALUMINUM BUS, THERMAL MAGNETIC CIRCUIT BREAKERS AS SHOWN, AND NEMA 3R ENCLOSURE.

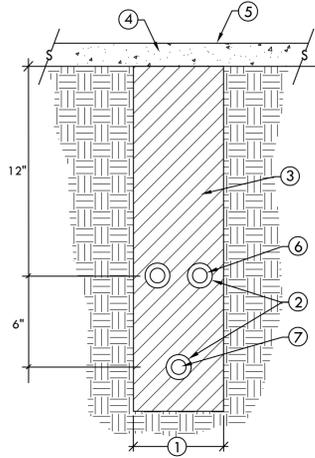


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- 1 FINISH GRADE
- 2 ROUND PLASTIC VALVE BOX, CARSON 910-GRAY OR APPROVED EQUAL
- 3 EXISTING WIRE
- 4 NEW 10 GAUGE DIRECT BURIAL WIRE
- 5 SET TOP OF BOX 1 1/2" ABOVE FINISH GRADE
- 6 3/4" CRUSHED ROCK; 6" MINIMUM DEPTH
- 7 1/4" GALVANIZED WIRE CLOTH
- 8 SPEARS DS-400 PREFILLED DRI-SPLICE CONNECTOR W/ CRIMP SLEEVE

1 VALVE BOX DETAIL
E-1.0 NTS



- 1 TRENCH WIDTH AS NEEDED TO PROVIDE A MINIMUM 4" HORIZONTAL CLEARANCE ON EITHER SIDE OF PIPES.
- 2 SLEEVING 3 X 2" PVC SLEEVING
- 3 TRENCH BACKFILL: -NATIVE SITE SOIL, COMPACTED TO ELIMINATE SETTLING, 85% RELATIVE DENSITY
- 4 PEDESTRIAN CONCRETE FINISH GRADE
- 5 12V LIGHTING WIRE
- 6 120V POWER WIRE

NOTE: SIDES OF TRENCH WILL BE DUG SQUARE AND CLEAN OF ALL SHARP MATERIAL.

2 TRENCHING BENEATH PAVING DETAIL
E-1.0 NTS

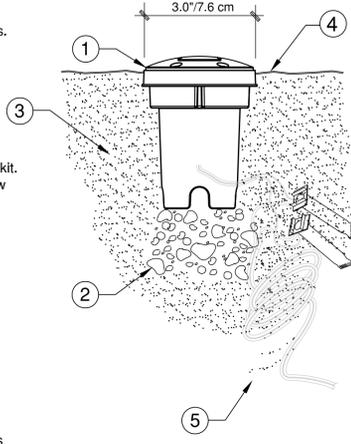
DETAIL LEGEND

- 1 FX Luminaire FC fixture. See plan legend for wattage, beam spread and accessories.
- 2 4" pea gravel for drainage.
- 3 Existing soil profile.
- 4 Finished grade.
- 5 Direct bury, UF/UL, copper, low voltage cable with 3M DBR/Y-6 direct bury splice kit. Leave 18" minimum wire loop coiled below fixture for service.

NOTES

- A. Installation to be completed in accordance with manufacturer's specifications.
- B. Accepts 10-15 volts - AC or DC
- C. See plan legend for LED board and accessories.
- D. Always refer to FX product installation notes prior to installation.

3 FC-RG LIGHT INSTALLATION
E-1.0 NTS



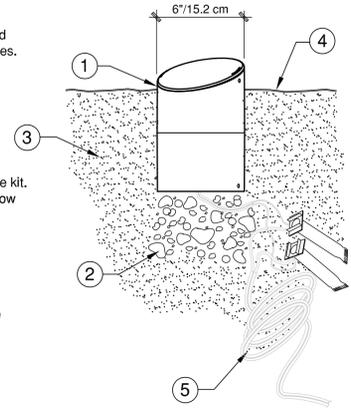
DETAIL LEGEND

- 1 FX Luminaire PE fixture. See plan legend for wattage, beam spread and accessories.
- 2 4" pea gravel for drainage.
- 3 Existing soil profile.
- 4 Finished grade.
- 5 Direct bury, UF/UL, copper, low voltage cable with 3M DBR/Y-6 direct bury splice kit. Leave 18" minimum wire loop coiled below fixture for service.

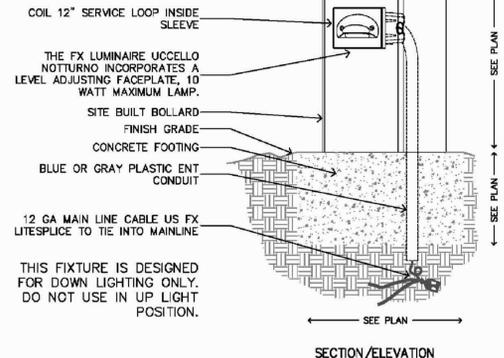
NOTES

- A. Installation to be completed in accordance with manufacturer's specifications.
 - B. Accepts 10-15 volts - AC or DC
 - C. See plan legend for LED board and accessories.
- Always refer to FX product installation notes prior to installation.

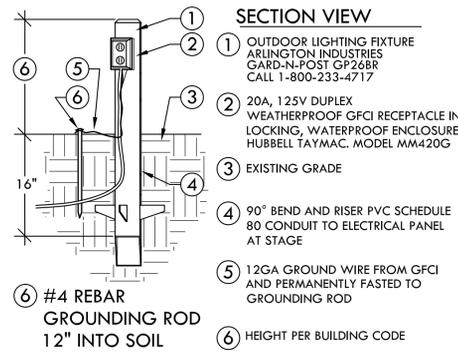
4 PE LIGHT INSTALLATION
E-1.0 NTS



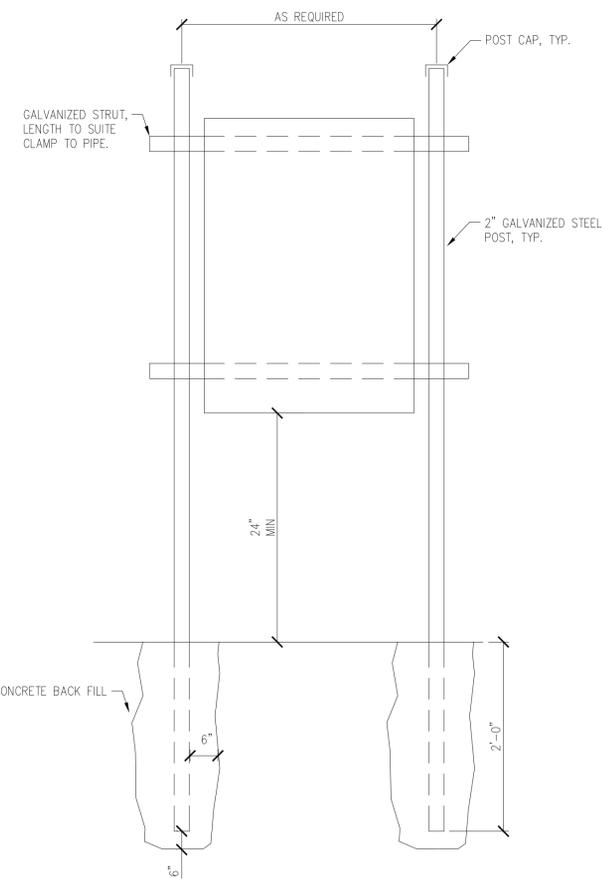
THE FX LUMINAIRE UCCELLO NOTTURNO WITH THE BOLLARD MOUNT IS PERFECT FOR COMMERCIAL TURF OR RESORT APPLICATIONS WHERE A GLARE FREE, LOW MAINTENANCE, PATH-LITE IS DESIRED. THE BOLLARD STYLE DESIGN INTO THE SURROUNDING ARCHITECTURE.



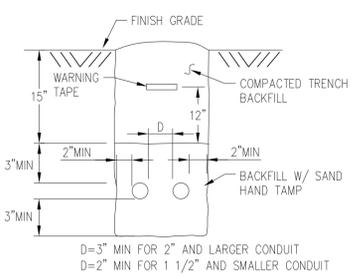
5 WALL LIGHT
E-1.0 NTS



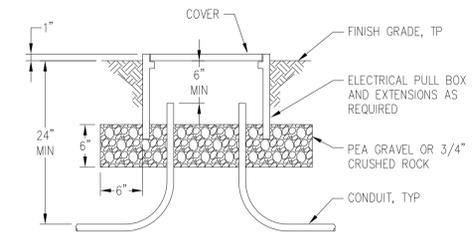
6 GFCI - EXTERIOR
E-1.0 NTS



8 PANEL MOUNT DETAIL
E-1.0 NTS



7 TYPICAL UNDERGROUND CONDUIT
E-1.0 NTS



9 SWEEP-UP PULL BOX
E-1.0 NTS



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LICENSE



CONSULTANT

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CHICO AREA
RECREATION
AND PARK
DISTRICT

PROJECT

ROSE GARDEN
AND
PAVILION

SHEET TITLE

ELECTRICAL AND
LIGHTING DETAILS

DATES

NO.	DESCRIPTION	DATE
1.	BID SET	10/29/2015
2.		
3.		
4.		
5.		
6.		
7.		
8.		

PLOT DATE: 10/29/2015

PROJECT NUMBERS

MELTON DESIGN GROUP: 2097
CONSULTANT PROJECT #:

SHEET NUMBER

E-1.1