

CITY OF BLUE LAKE

BLUE LAKE TOWN SQUARE G ST. & FIRST AVE. BLUE LAKE, CALIFORNIA

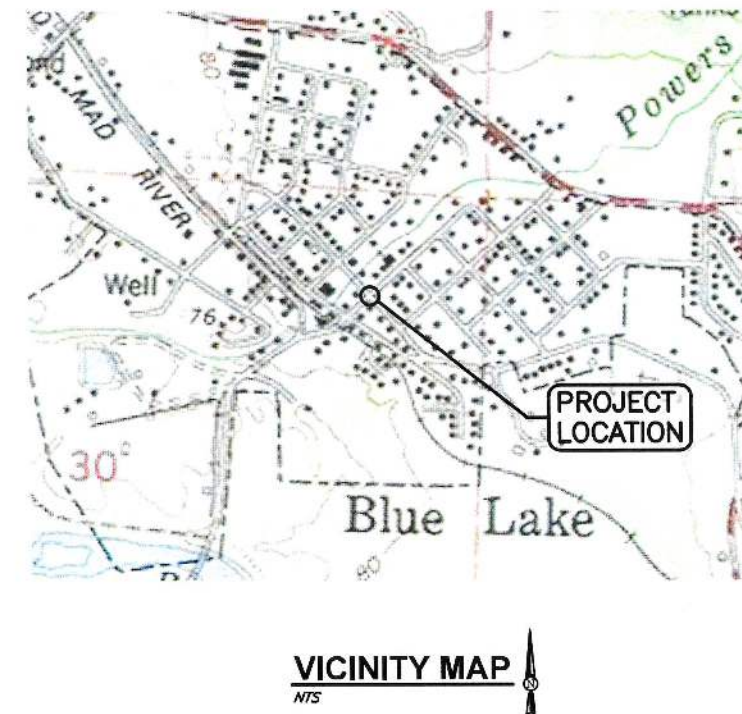
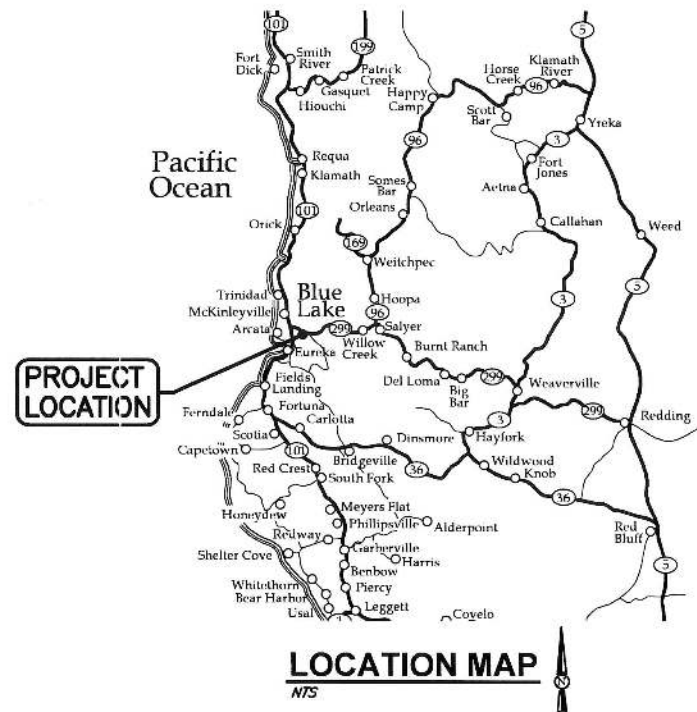
PREPARED BY:



JUNE 2023

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DIR: CDW/JF
CHK: JGI
APVD: [Signature]

CITY OF BLUE LAKE
BLUE LAKE TOWN SQUARE
BLUE LAKE, CALIFORNIA
COVER



SHEET	G-1
SEQ	
DATE	06/2023
PROJ. NO.	022141

GENERAL NOTES:

- 1. ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODE.
2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED.
3. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
4. THE CONTRACTOR SHALL PROVIDE A COPY OF THE TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
5. CONTRACTOR SHALL PERFORM TRENCH WORK IN CONFORMANCE WITH THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY REQUIREMENTS AND SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND OTHER APPLICABLE AGENCIES.
6. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
7. THE CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY AND TREE CONDITIONS THROUGHOUT THE SITE, AND ASSUME THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE OR OTHER CONDITIONS WHICH MAY BE ENCOUNTERED IN THE COURSE OF THE WORK.
8. ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS, OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK SHOWN HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE ENGINEER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
9. ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED TESTED AND APPROVED PRIOR TO PAVING.
10. THE CONTRACTOR SHALL NOT BEGIN EXCAVATING UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
11. GRADING AND CONSTRUCTION CONTRACTORS SHALL STOP WORK AND NOTIFY THE OWNER AND THE ENGINEER IF CULTURAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL GIVE THE INSPECTOR 48 HOURS ADVANCE NOTICE OF ANY CONSTRUCTION OR REQUIRED TESTING.
13. SHOULD THE CONTRACTOR OR ANY OF HIS AGENTS OR EMPLOYEES ENCOUNTER OR DISCOVER MATERIALS WHICH APPEAR TO BE HAZARDOUS DURING THE PERFORMANCE OF THE WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY AND SUSPEND WORK IN THE AFFECTED AREA UNTIL THE ENGINEER HAS INSPECTED THE LOCATION AND MATERIALS IN QUESTION. SHOULD IT BE NECESSARY TO UNDERTAKE REMEDIATION, THE ENGINEER WILL GIVE WRITTEN NOTICE TO SUSPEND WORK IN THE AFFECTED AREA UNTIL THE PROPER COURSE OF ACTION HAS BEEN DETERMINED. OPERATIONS IN THE AFFECTED AREA SHALL BE RESUMED ONLY UPON WRITTEN NOTICE BY THE ENGINEER.
14. ALL SITE GRADING WILL BE INSPECTED BY THE ENGINEER. COMPACTION TESTING WILL BE CONDUCTED AFTER SUFFICIENT DENSITIES HAVE BEEN ACHIEVED IN THE CONTRACTOR'S OPINION. THE CONTRACTOR SHALL MAKE ALL REQUESTS FOR MATERIALS TESTING AT LEAST 48 HOURS IN ADVANCE. ANY SOILS THAT FAIL TO MEET THE REQUIRED COMPACTION LEVELS SHALL BE REMOVED, AND RECOMPACTED. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE CONTRACTOR'S ORIGINAL BID.
15. THE TOPSOIL SHALL BE REMOVED FROM CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL. TOPSOIL SHALL BE STOCKPILED SEPARATELY AND REPLACED OVER AREAS OF EXPOSED SUBGRADE TO A MINIMUM DEPTH OF 6 INCHES.
16. NO CHANGES OR MODIFICATIONS SHALL BE MADE TO THESE PLANS WITHOUT WRITTEN APPROVAL BY THE ENGINEER.

SURVEY NOTES:

HORIZONTAL DATUM
CCS83 ZONE 1 BASED UPON GPS OBSERVATIONS AT NGS MONUMENT J 1402(PID LU1402), THEN ROTATED TO CALTRANS MONUMENT 299-HUM-4.25(PID DH6346). REFERENCE EPOCH 2010.00 AT CONTROL POINT #2. ALL COORDINATES ARE GROUND DISTANCES. MULTIPLY DISTANCES BY 0.99989544 TO CONVERT TO GRID DISTANCES. PROJECT NUMBER 020008.
VERTICAL DATUM
NAVD 88 BASED UPON GPS OBSERVATIONS AT NGS MONUMENT J 1402(PID LU1402), REFERENCE EPOCH 2010.00 AT CONTROL POINT #2, USING GEOID12B(CONUS). PROJECT NUMBER 020008.
UNDERGROUND UTILITY NOTE:
UNDERGROUND UTILITY INFORMATION SHOWN IS BASED ON VISIBLE EVIDENCE. SHN MAKES NO GUARANTEE REGARDING LOCATION, TYPE, SIZE, NOR PRESENCE OR ABSENCE OF UNDERGROUND UTILITIES. IRRIGATION SYSTEM NOT MAPPED.
OVERHEAD UTILITY NOTE:
OVERHEAD LINES OFF OF THE PROJECT SITE ARE NOT FULLY MAPPED. INFORMATION SHOWN IS BASED ON VISIBLE EVIDENCE. NO MAPPING OBTAINED FOR PHONE AND CABLE TELEVISION FACILITIES. PHONE AND CABLE TELEVISION LINE LOCATIONS NOT VERIFIED.
TREE NOTE:
ALL TREES SURVEYED WERE DECIDUOUS UNLESS NOTED OTHERWISE. INDIVIDUAL TRUNKS IN TREE CLUSTERS NOT SHOWN.

PROJECT SPECIFICATIONS:

GENERAL COMPACTION

- 1. COMPACTION REQUIREMENTS AS SPECIFIED WILL BE BY PERCENT OF THE MAXIMUM DRY DENSITY AND AS DETERMINED PER ASTM D 1557.
2. PLACE BACKFILL AND FILL SOIL MATERIAL IN LOOSE LIFTS OF NOT MORE THAN 8 INCHES FOR MATERIAL COMPACTED BY HEAVY EQUIPMENT, AND NOT MORE THAN 6 INCHES FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
3. THE GROUND SURFACE IN AREAS TO RECEIVE FILL SHALL BE PREPARED AS FOLLOWS:
3.1. ALL ORGANIC MATERIAL AND TOPSOIL SHALL BE REMOVED.
3.2. ON SLOPES GREATER THAN 1V:4H, HORIZONTAL BENCHES SHALL BE CUT INTO THE SOIL TO PROVIDE A LEVEL BEARING SURFACE FOR THE FILL MATERIAL. THE MINIMUM WIDTH OF THE BENCHES SHALL BE FOUR FEET.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY SHN CONSULTING ENGINEERS AT 707-441-8855 IMMEDIATELY, AND PROVIDE WRITTEN DESCRIPTION OF ANY DIFFERENCES IN TOPOGRAPHY FROM THAT SHOWN ON THESE PLANS WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT EARTHWORK QUANTITY.
5. NO CUT OR FILL SLOPES SHALL EXCEED THE SLOPE RATIO OF 2H:1V, UNLESS OTHERWISE NOTED.
6. TOPSOIL SHALL BE REMOVED FROM ALL CUT AND FILL AREAS AND SHALL NOT BE USED FOR ENGINEERED FILL.
7. COMPACTION IN TRENCHES SHALL BE TESTED EVERY 50-75 FEET WITH A MINIMUM OF TWO TESTS PER ANY LENGTH OF TRENCHING. THE ENGINEER WILL BE PERMITTED TO COMPLETE TESTING AT ANY BACKFILL ELEVATION DURING THE BACKFILLING PROCESS. THE CONTRACTOR SHALL PROVIDE EQUIPMENT AND AN OPERATOR, FREE OF CHARGE TO FACILITATE THE TESTING REQUIRED BY THE ENGINEER.
8. PIPE BEDDING MATERIAL SHALL CONFORM TO THE REQUIREMENTS FOR 3/4" MAXIMUM CLASS 2 AGGREGATE BASE, SECTION 26-1.02 OF THE CALTRANS STANDARD SPECIFICATIONS, EXCEPT THE RECYCLED COMPONENT SHALL NOT INCLUDE ASPHALT CONCRETE GRINDINGS.
9. NATIVE MATERIAL MAY BE USED AS TRENCH BACKFILL. ANY NATIVE MATERIAL USED AS TRENCH BACKFILL SHALL BE FREE OF DEBRIS, ORGANIC, OR OTHER DELETERIOUS MATERIAL WITH NO PARTICLES GREATER THAN 6 INCHES IN DIAMETER.
10. FILL MATERIALS SHALL BE MECHANICALLY COMPACTED. JETTING WILL NOT BE ALLOWED.
11. CARE SHALL BE TAKEN NOT TO CRUSH THE PIPE OR OTHER COMPONENTS WITH COMPACTION EQUIPMENT.

TESTING AND INSPECTION

- 1. ALL SITE GRADING, SUBGRADE, AND BACKFILLING WILL BE INSPECTED BY THE ENGINEER. CONTRACTOR TO PROVIDE 48 HOUR NOTICE IN ADVANCE OF REQUIRED INSPECTION. FAILURE TO GIVE ADEQUATE NOTICE MAY RESULT IN TESTING DELAYS WHICH WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE ENGINEER WILL MAKE ALL COMPACTION TESTS WHEN ADVISED BY THE CONTRACTOR THAT IN THE OPINION OF THE CONTRACTOR, SUFFICIENT DENSITIES HAVE BEEN ACHIEVED. THE CONTRACTOR SHALL FURNISH A BACKHOE AND OPERATOR UPON REQUEST AT NO COST TO OWNER.
3. THE CONTRACTOR SHALL MAKE ALL NECESSARY EXCAVATIONS FOR COMPACTION TESTS. COSTS OF EXCAVATION, BACKFILLING, AND COMPACTION IN CONNECTION WITH COMPACTION TESTING SHALL BE BORNE BY THE CONTRACTOR. A FAILING COMPACTION TEST INDICATES THAT THE REQUIRED COMPACTION STANDARDS HAVE NOT BEEN ACHIEVED. ANY FILL MATERIAL OR PORTION OF FILL MATERIAL THAT DOES NOT MEET THE SPECIFIED REQUIREMENTS SHALL BE REMOVED AND RECOMPACTED UNTIL THE REQUIREMENTS ARE SATISFIED AT NO ADDITIONAL COST TO THE OWNER. COSTS ASSOCIATED WITH RETESTING PREVIOUSLY FAILED AREAS SHALL BE PAID BY OWNER AND BACK-CHARGED TO THE CONTRACTOR.
4. EXCAVATIONS FOR COMPACTION TESTS SHALL BE BACKFILLED WITH MATERIAL SIMILAR TO THAT EXCAVATED, AND BE COMPACTED TO THE SPECIFIED DENSITY.
5. ALL COSTS ASSOCIATED WITH ACHIEVING COMPACTION STANDARDS SHALL BE INCLUDED IN THE BID PRICES PAID FOR THE BID ITEM INVOLVED AND THEREFORE NO ADDITIONAL COMPENSATION SHALL BE MADE.

PAVING

- 1. ALL ASPHALT CONCRETE SHALL BE IN ACCORDANCE WITH CALTRANS STANDARD SPECIFICATIONS SECTION 39.
2. ASPHALT MATERIAL SHALL BE HMA TYPE A WITH 1/2 INCH AGGREGATE GRADATION. ASPHALT BINDER SHALL BE PG64-16.
3. ASPHALT CONCRETE SHALL BE INSTALLED AND TESTED ACCORDING TO THE "STANDARD PROCESS" SPECIFIED IN SECTION 39. ACCEPTANCE CRITERIA PER CALTRANS TEST 309.
4. WHERE NEW PAVING MEETS EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE SAWCUT.
5. APPLY TACK COAT TO CONTACT SURFACES OF CURBS, GUTTERS AND EXISTING PAVEMENT. PLACE ASPHALT CONCRETE WITHIN 24 HOURS OF APPLYING PRIMER OR TACK COAT. TACK COAT SHALL BE TYPE SS-1.
6. COMPACT PAVEMENT BY ROLLING TO A MINIMUM OF 95% OF MAXIMUM DENSITY. DO NOT DISPLACE OR EXTRUDE PAVEMENT FROM POSITION. HAND COMPACT IN AREAS INACCESSIBLE TO MECHANICAL ROLLING EQUIPMENT. PERFORM ROLLING WITH CONSECUTIVE PASSES TO ACHIEVE SMOOTH FINISH WITHOUT ROLLER MARKS.
7. AGGREGATE BASE SHALL BE CALTRANS CLASS 2, COMPACTED TO 95% RELATIVE COMPACTION PER ASTM D1557/D6938.
8. IN AREAS TO BE PAVED, MINIMUM TOP 6 INCHES OF SUITABLE NATIVE SOIL SHALL BE SCARIFIED AND RECOMPACTED TO 90% RELATIVE COMPACTION PER ASTM D1557/D6938.
9. UNLESS OTHERWISE SHOWN ON THESE PLANS, NEW ASPHALT CONCRETE SURFACES AND NEW FINISH GRADE SURFACES SHALL BE INSTALLED SO AS TO MAINTAIN EXISTING SURFACE DRAINAGE PATTERNS.

PROJECT SPECIFICATIONS (CONT):

SITE WORK CONCRETE

- 1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19A OF THE CBC AND WITH THE PROVISIONS OF ACI 318. MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONCRETE PLACEMENT.
2. UNLESS OTHERWISE STATED, CONCRETE SHALL BE HARDROCK CONCRETE AND SHALL MEET THE FOLLOWING DESIGN CRITERIA:
A. MINIMUM 28-DAY COMPRESSIVE STRENGTH = 4,000 PSI
B. MINIMUM CEMENT CONTENT = 6 SACKS/CUYD
C. MAXIMUM AGGREGATE SIZE = 3/4"
D. SLUMP = 4±1"
3. CONCRETE SHALL BE MIXED, PLACED, AND CURED IN ACCORDANCE WITH ACI 318.
4. REINFORCING SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE."
5. SURFACE OF ALL CONCRETE FLATWORK SHALL BE IN ACCORDANCE WITH CBC REQUIREMENTS FOR ACCESSIBLE ROUTES.
6. ALL ITEMS TO BE CAST IN CONCRETE SUCH AS REINFORCING DOWELS, BOLTS, ANCHORS, PIPES AND SLEEVES SHALL BE SECURELY POSITIONED IN FORMS BEFORE PLACEMENT OF CONCRETE.
7. WALKWAYS SHALL MEET THE ACCESSIBILITY REQUIREMENTS PROVIDED IN THE CALIFORNIA BUILDING CODE. LONGITUDINAL SLOPES OF WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES OF WALKWAYS SHALL NOT EXCEED 2%. LANDINGS SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
8. CONTRACTOR TO PROVIDE A MIN 18"x18" SAMPLE OF STAMPED CONCRETE AND BE APPROVED BY OWNER PRIOR TO INSTALL.
9. STAMPED CONCRETE
9.1. BRICK STAMP FINISH
9.1.1. LITHOTEX NEW BRICK RUNNING BOND PATTERN NO. 58200 OR APPROVED EQUAL.
9.1.2. P16 DARK RED BASE COLOR AND R26 CAPE COD GRAY RELEASE COLOR OR APPROVED EQUAL.
9.2. NATURAL ROCK STAMP FINISH
9.2.1. LITHOTEX FOX VALLEY FLAGSTONE PATTERN NO. S3300 OR APPROVED EQUAL.
9.2.2. U18 GULL GRAY BASE COLOR AND R12 STORM GRAY RELEASE COLOR OR APPROVED EQUAL.
10. SEE PORTLAND LOO STRUCTURAL DRAWINGS FOR FOOTING DETAILS.

SANITARY SEWER

- 1. THE CONTRACTOR SHALL INSTALL ALL SANITARY SEWER IMPROVEMENTS TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. ALL MATERIALS SHALL BE FROM NEW STOCK AND DELIVERED IN NEW CONDITIONS.
3. SEWER LATERALS SHALL CONNECT TO THE SEWER WITH WYE FITTINGS. SADDLE-TYPE FITTINGS SHALL NOT BE USED UNLESS INDICATED ON THE PLANS OR AUTHORIZED BY THE ENGINEER.
4. PIPE ENDS SHALL BE CAREFULLY CLEANED BEFORE PIPE IS JOINED. INTERIOR OF PIPE SHALL BE KEPT FREE OF DIRT AND DEBRIS.
5. INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH THE HUMBOLDT COUNTY STANDARDS AND THE CALIFORNIA PLUMBING CODE.
6. SANITARY SEWER PIPE TO BE 4 INCH SCHEDULE 40 ABS.

WATER SERVICE

- 1. INSTALL WATER LINES IN ACCORDANCE WITH PLANS, AND WITH THE HUMBOLDT COUNTY STANDARDS.
2. TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF FORTUNA'S STANDARDS AND THE CALIFORNIA PLUMBING CODE.
3. ALL VALVES AND VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADE.
4. CHLORINATION, TESTING, AND FLUSHING OF NEW LINES SHALL BE ACCOMPLISHED PRIOR TO TIE-IN TO EXISTING WATER SYSTEM.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL WATER MAIN SHUTDOWNS WITH THE CITY OF BLUE LAKE WATER UTILITY A MINIMUM OF TWO WORKING DAYS IN ADVANCE.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL WATER SERVICE CUSTOMERS A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF ANY SHUTDOWN.
7. THE CONTRACTOR SHALL MAINTAIN ALL WATER FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE NEW WATER IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
8. THE MAXIMUM LENGTH OF WATER SHUTDOWN TIME FOR ANY WATER UTILITY CUSTOMER SHALL BE LIMITED TO FOUR HOURS.
9. ALL VALVES WILL HAVE BRONZE STEMS.
10. DISINFECTION WILL ONLY BE ACCEPTED AFTER PRESSURE TEST IS COMPLETED.
11. WATER SERVICE PIPE TO BE 3/4 INCH SCHEDULE 40 PVC.

ELECTRICAL SERVICE

- 1. CONTRACTOR TO CONTACT AND COORDINATE WITH LOCAL UTILITY COMPANY FOR ELECTRICAL TIE IN.
2. ELECTRICAL CONDUIT TO BE 2 INCH SCHEDULE 40 PVC.

PORTLAND LOO

- 1. ANY REFERENCE TO THE PORTLAND LOO IN THE CIVIL SHEETS ARE FOR REFERENCE ONLY AND NOT TO BE USED FOR CONSTRUCTION.
2. CONTRACTOR TO REFER TO THE PORTLAND LOO SPECS AND STRUCTURAL DRAWINGS FOR LAYOUT AND CONSTRUCTION.

LITA SOLAR LIGHTING

- 1. ANY REFERENCE TO THE LITA SOLAR LIGHTING IN THE CIVIL SHEETS ARE FOR REFERENCE ONLY AND NOT TO BE USED FOR CONSTRUCTION.
2. CONTRACTOR TO REFER TO THE LITA SOLAR LIGHTING SPECS AND DRAWINGS FOR LAYOUT AND CONSTRUCTION.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0" = 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

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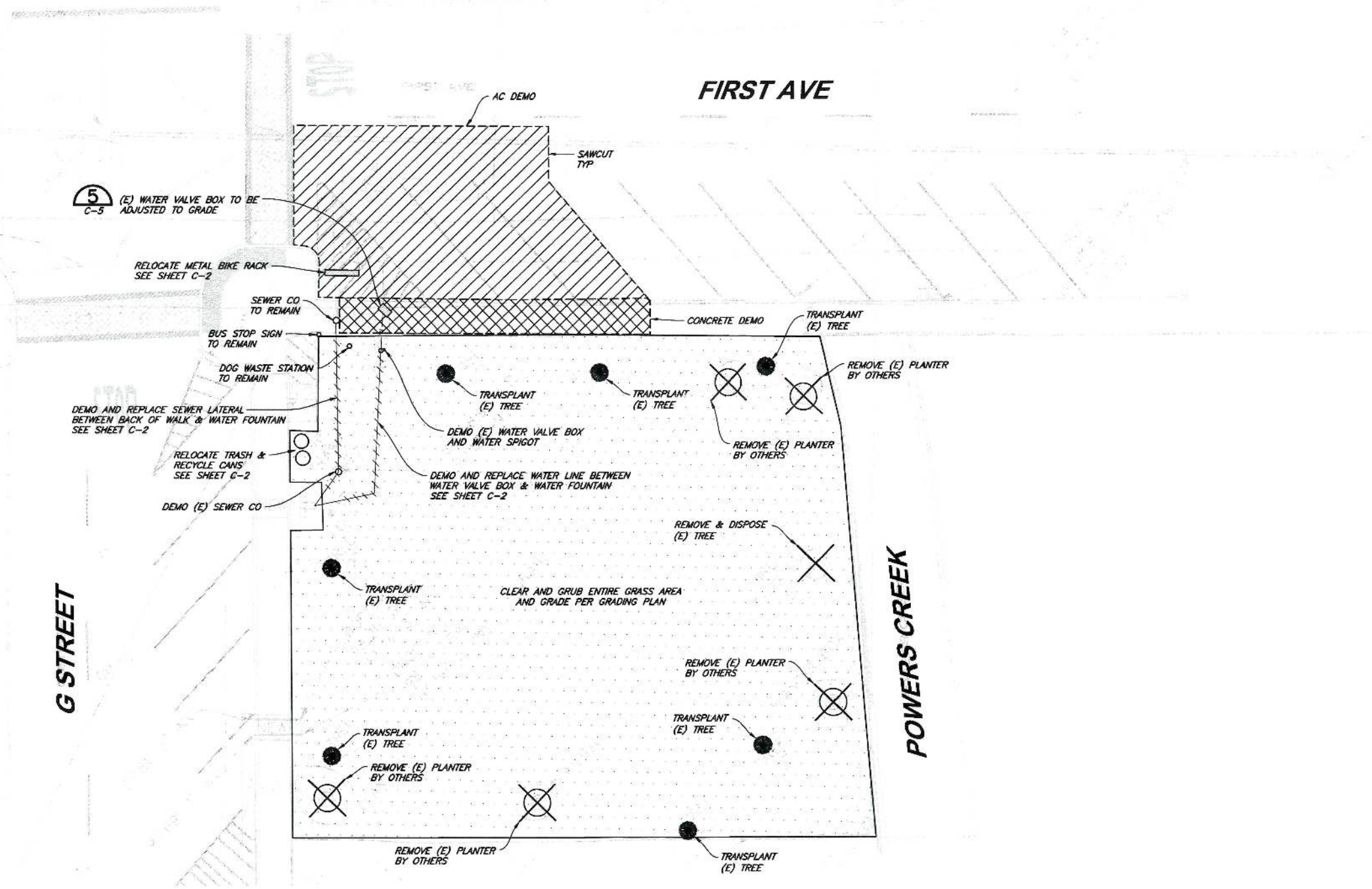
NOTES AND SPECIFICATIONS
CITY OF BLUE LAKE
BLUE LAKE TOWN SQUARE
BLUE LAKE, CALIFORNIA



SHEET G-3
DATE 06/2023
PROJ. NO. 022141

SAVED: 6/14/2023 12:29 PM JIMENEZ, PLOTTED: 6/16/2023 8:29 AM JOMATHAN MENDOZA
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LEGEND

- DEMO AC
- DEMO CONCRETE
- CLEAR AND GRUB
- REMOVE AND DISPOSE UTILITY LINE
- TRANSPLANT TREE
- TRANSPLANT TREE
- REMOVE BY OTHERS

PLAN
1"=10'



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APVD		NO.	

CITY OF BLUE LAKE
 BLUE LAKE TOWN SQUARE
 BLUE LAKE, CALIFORNIA
DEMOLITION PLAN

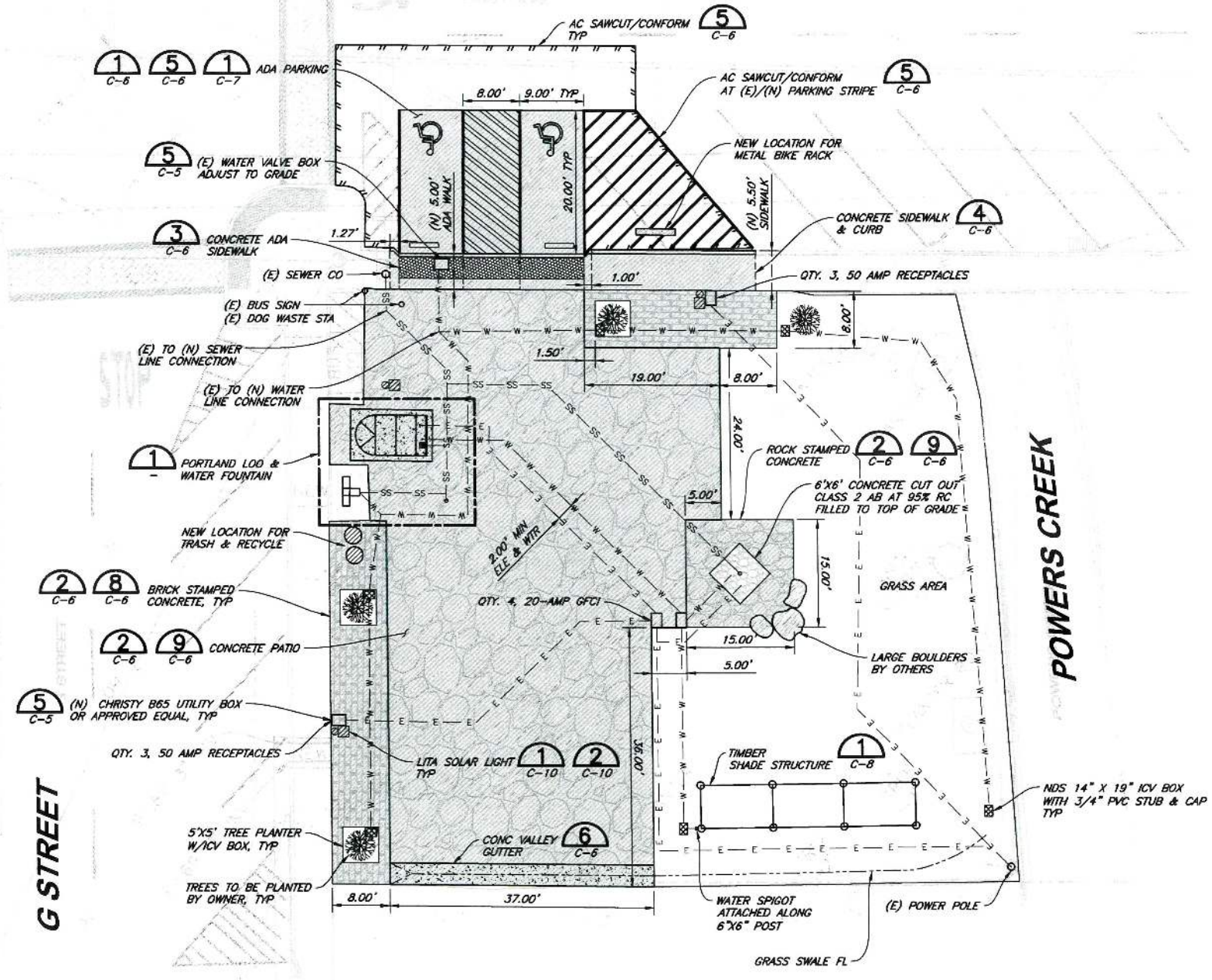
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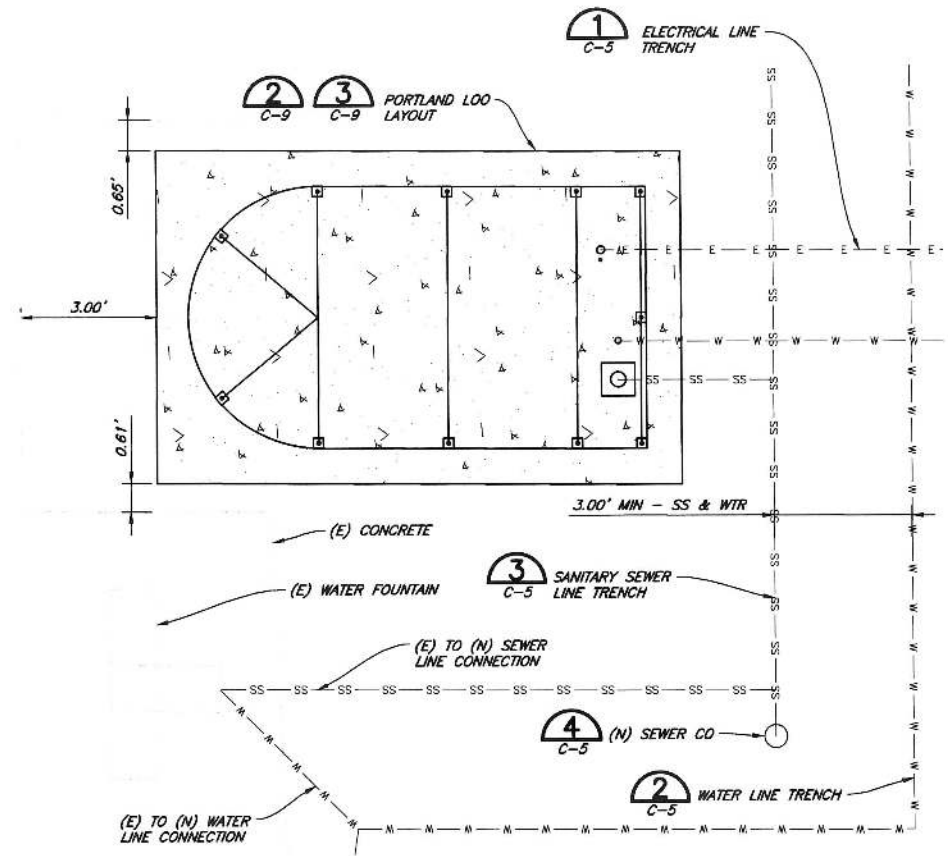
G STREET

FIRST AVE

POWERS CREEK



PLAN
1"=10'



DETAIL 1
NTS
(PORTLAND LOO & WATER FOUNTAIN)



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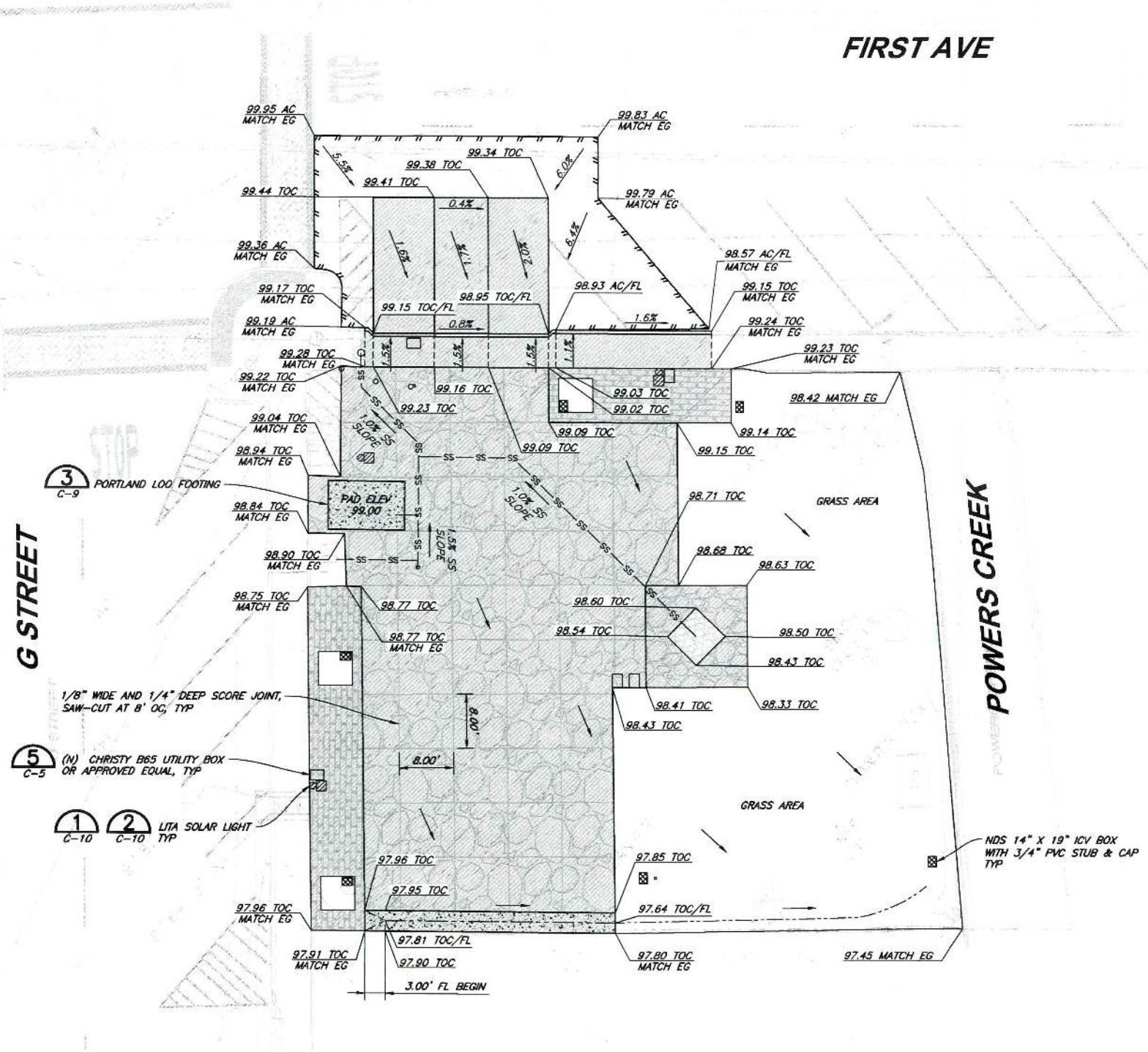
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CITY OF BLUE LAKE
 BLUE LAKE TOWN SQUARE
 BLUE LAKE, CALIFORNIA

SITE AND UTILITIES PLAN

SHEET **C-2**
 SEQ
 DATE **06/2023**
 PROJ. NO. **022141**

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PLAN
 1"=10'



CITY OF BLUE LAKE BLUE LAKE TOWN SQUARE BLUE LAKE, CALIFORNIA		GRADING AND DRAINAGE PLAN	
SHEET	C-3	NO.	DATE
SEQ		NO.	DATE
DATE	06/2023	NO.	DATE
PROJ. NO.	022141	NO.	DATE

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EROSION CONTROL NOTES:

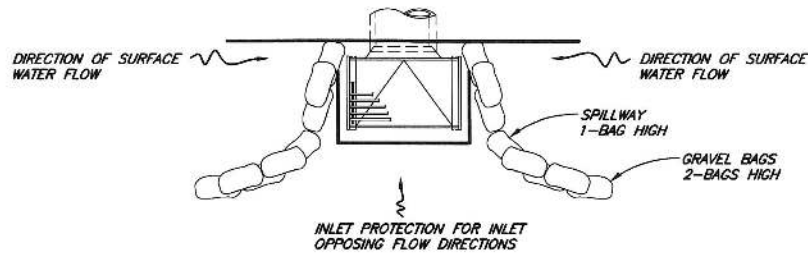
1. CONSTRUCTION OF ALL EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES (BMP'S) SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND CALIFORNIA STORMWATER BMP HANDBOOK.
2. THE IMPLEMENTATION OF THE EROSION CONTROL PLAN (ECP) AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE BMPs IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND PERMANENT VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BMPs SHOWN ON THESE PLANS MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
4. CONTRACTOR TO SCHEDULE AN IN-FIELD PRE-CONSTRUCTION MEETING WITH THE DESIGN ENGINEER BEFORE COMMENCING WORK TO DISCUSS THE INTENT OF THE EROSION CONTROL PLAN.
5. USE NATIVE GRASS SEED TO RESEED DISTURBED AREAS AND MATCH EXISTING VEGETATION TO THE EXTENT POSSIBLE. SEEDING AREAS SHALL BE COVERED WITH STRAW, RICE, OR CORN MULCH AND KEPT MOIST UNTIL GRASSES ESTABLISH.
6. STREET CLEANING MUST BE DONE BY VACUUM SWEEPER. STREET WASHING IS NOT ALLOWED. CONTRACTOR TO PERFORM STREET CLEANING ON PAVED STREETS AFTER CONSTRUCTION IS COMPLETE AND AS DEEMED NECESSARY DURING CONSTRUCTION.
7. INLET PROTECTION TO BE INSTALLED PRIOR TO DEMOLITION AND TO REMAIN IN PLACE UNTIL SURFACING IS COMPLETED, STOCKPILES ARE REMOVED, AND VEGETATION IS RE-ESTABLISHED.
8. SEDIMENT BARRIER TO BE INSTALLED PRIOR TO DEMOLITION AND TO REMAIN IN PLACE UNTIL SURFACING IS COMPLETED, STOCKPILES ARE REMOVED, AND VEGETATION IS RE-ESTABLISHED.

MAINTENANCE AND INSPECTION:

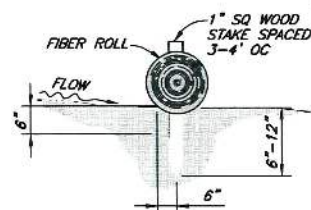
9. MAINTENANCE AND INSPECTION OF BMPs, AT A MINIMUM, SHALL BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:
 - BMPs SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
 - BMPs AT INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH, PRIOR TO A FORECAST STORM, AND WITHIN 24 HOURS FOLLOWING A STORM EVENT.

STOCKPILES:

10. EXCAVATED SOILS MAY BE PLACED ADJACENT TO THE TOP OF THE TRENCH IF THE STOCKPILED SOIL THICKNESS ARE 2 FEET OR LESS. IF SOILS ARE PLACED IN MOUNDING STOCKPILES, THEN EXCAVATED SOILS SHOULD BE PLACED NO CLOSER THAN 10 FEET FROM THE TOP OF THE TRENCH EXCAVATION.
11. SOIL STOCKPILES SHALL BE COVERED, STABILIZED, OR PROTECTED WITH SOIL STABILIZATION MEASURES AND A PERIMETER SEDIMENT BARRIER AT ALL TIMES DURING THE RAINY SEASON, AND PRIOR TO THE ONSET OF RAIN DURING THE NON-RAINY SEASON.
12. STOCKPILES OF CONTAMINATED SOIL SHALL BE MANAGED IN ACCORDANCE WITH CALTRANS BMP FOR "CONTAMINATED SOIL MANAGEMENT"



DETAIL 1
NTS
(STORM DRAIN INLET PROTECTION)

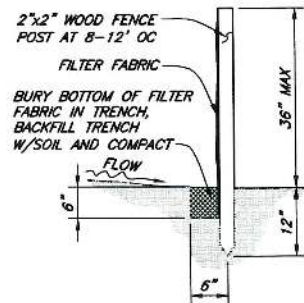


FIBER ROLL SECTION

NOTES:

1. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE.
2. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION SHALL BE BACK FILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.
3. BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
4. SEDIMENT SHALL BE REMOVED WHEN IT BUILDS UP TO 1/3 OF THE BARRIER HEIGHT.

DETAIL 2
NTS
(FIBER ROLL SEDIMENT BARRIER)



SILT FENCE SECTION

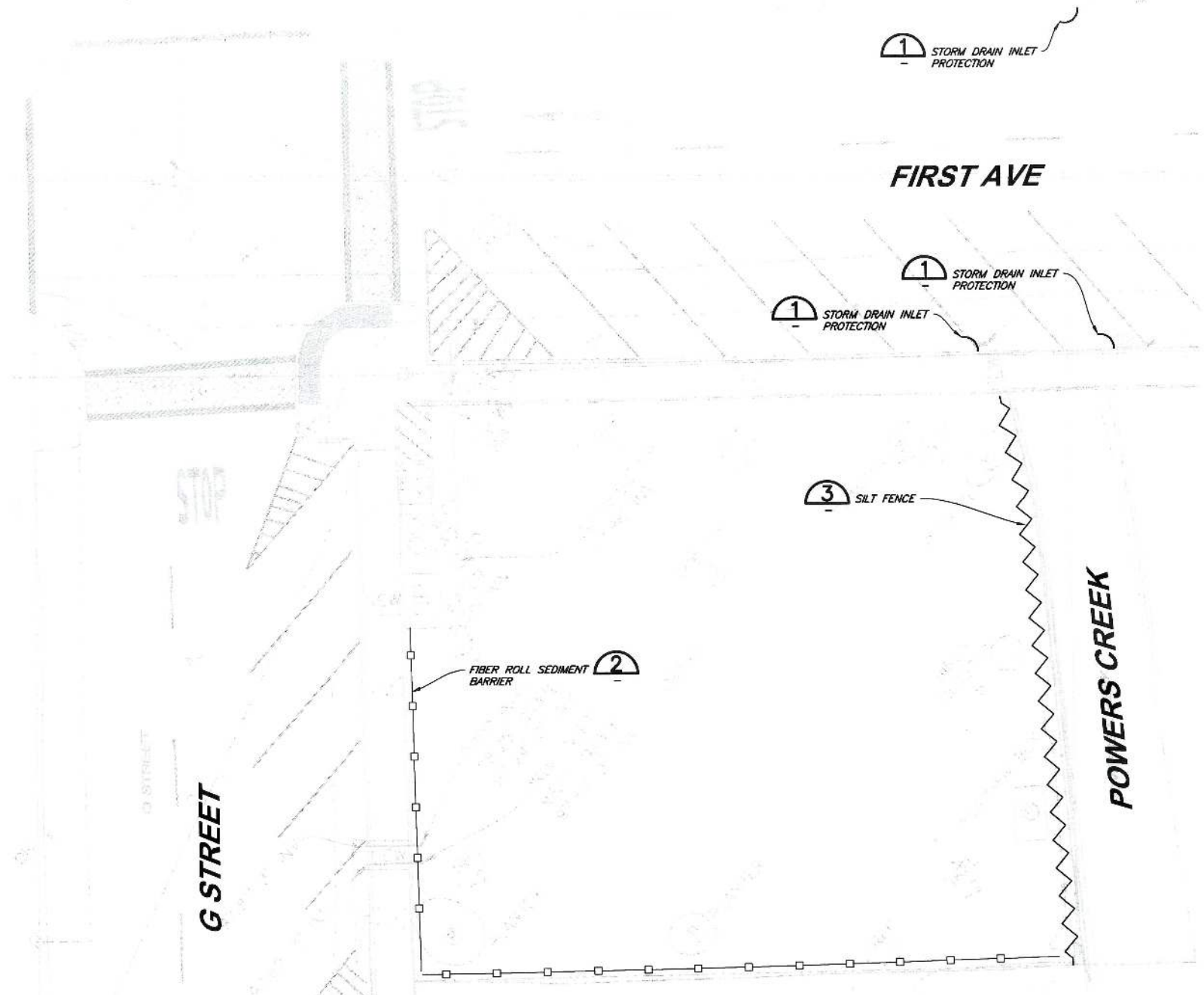
DETAIL 3
NTS
(SILT FENCE)

NOTES FOR SILT FENCE:

THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST.

THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6 INCHES. STANDARD OR HEAVY DUTY FILTER FABRIC FENCE SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2 INCH x 2 INCH POST INSTALLATIONS. STITCHED LOOPS SHALL BE INSTALLED ON THE UP HILL SIDE OF THE SLOPED AREA.

WHEN NO LONGER REQUIRED, FILTER FABRIC FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF.



PLAN
1"=10'

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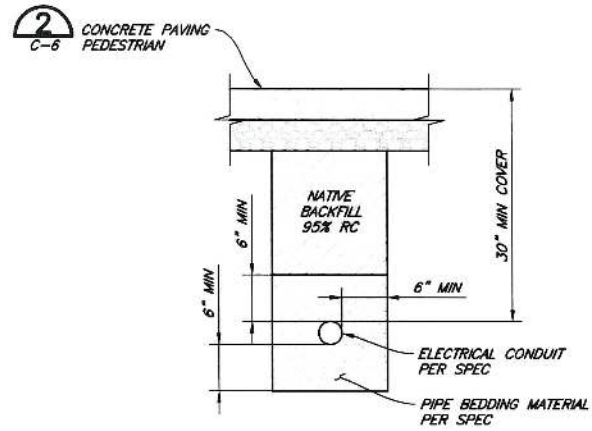


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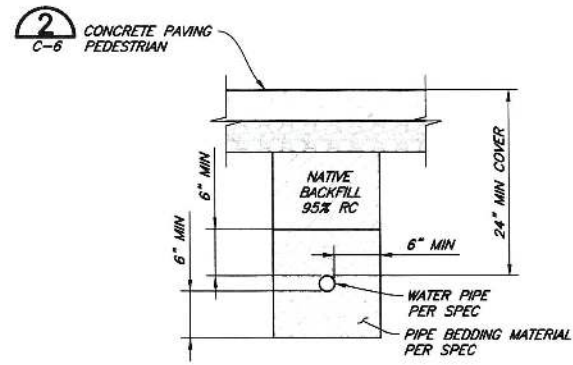
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BLUE LAKE TOWN SQUARE
BLUE LAKE, CALIFORNIA
EROSION AND SEDIMENT CONTROL PLAN



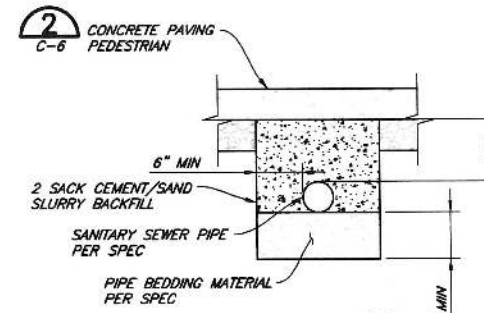
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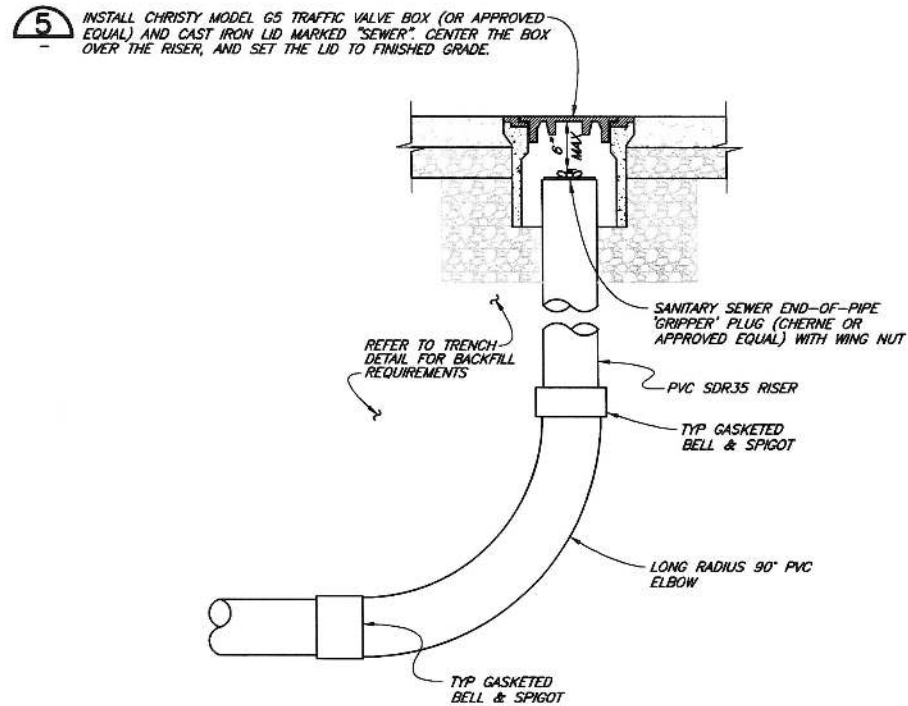
DETAIL 1
NTS C-2
(ELECTRICAL LINE TRENCH)



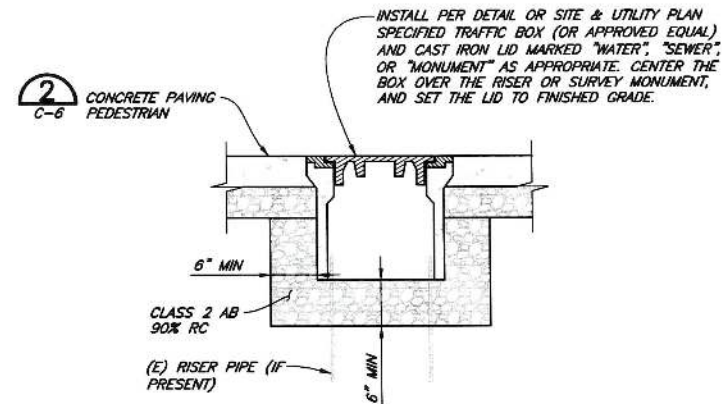
DETAIL 2
NTS C-2
(WATER LINE TRENCH)



DETAIL 3
NTS C-2
(SEWER LINE TRENCH)



DETAIL 4
NTS C-2
(END LINE CLEANOUT)



NOTES:

1. WHERE PRESENT, THE NEW TRAFFIC BOX SHALL NOT COME INTO CONTACT WITH THE RISER PIPE.
2. THE CONTRACTOR SHALL COMPLETELY DEMOLISH (E) CONCRETE COLLARS TO A DEPTH OF 12".

DETAIL 5
NTS C-1, C-2
(TRAFFIC BOX INSTALL/ADJUSTMENT TO GRADE)

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BLUE LAKE, CALIFORNIA

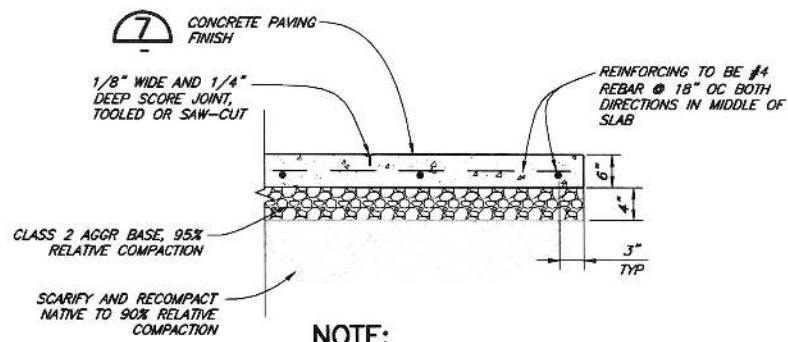
DETAILS



SHEET
C-5

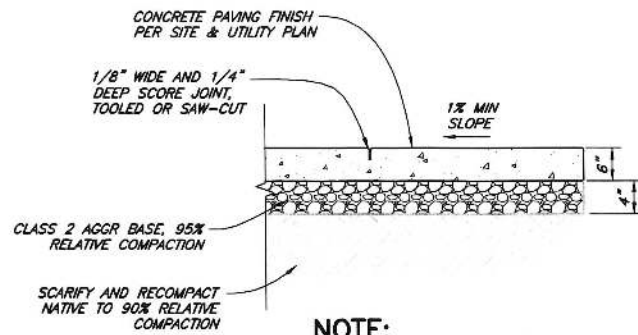
DATE **06/2023**

PROJ. NO.
022141



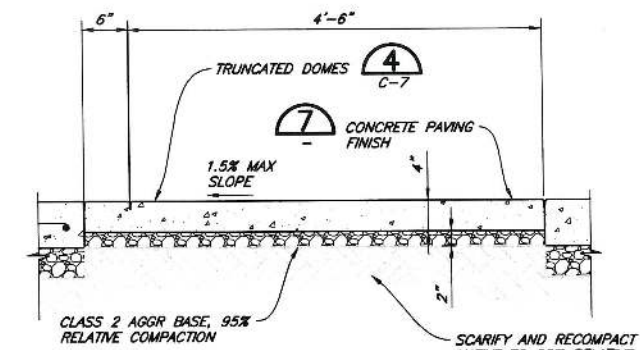
NOTE:
PROVIDE SCORE JOINTS 10' OC UNLESS OTHERWISE NOTED.

DETAIL 1
NTS C-2
(CONCRETE PAVING-STRUCTURAL)

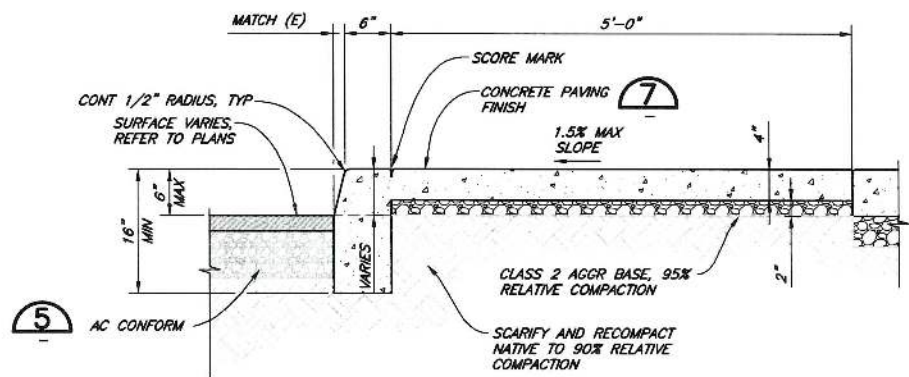


NOTE:
PROVIDE SCORE JOINTS 10' OC UNLESS OTHERWISE NOTED.

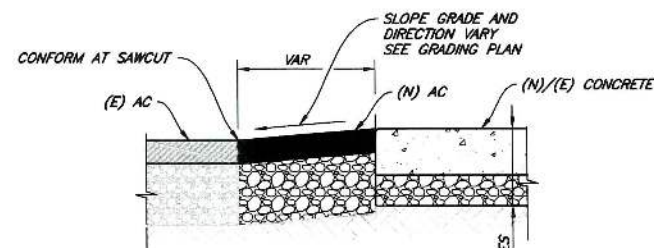
DETAIL 2
NTS C-2, C-5
(CONCRETE PAVING-PEDESTRIAN)



DETAIL 3
NTS C-2
(CONCRETE ADA SIDEWALK)

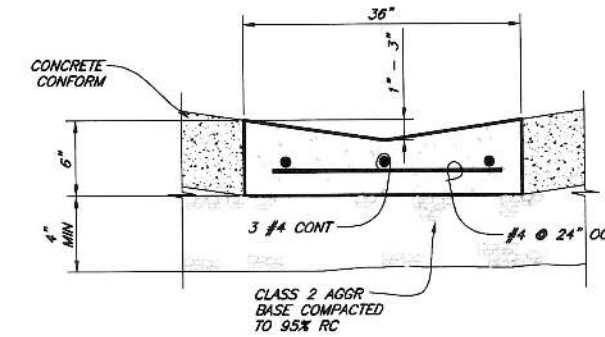


DETAIL 4
NTS C-2
(CONCRETE SIDEWALK & CURB)



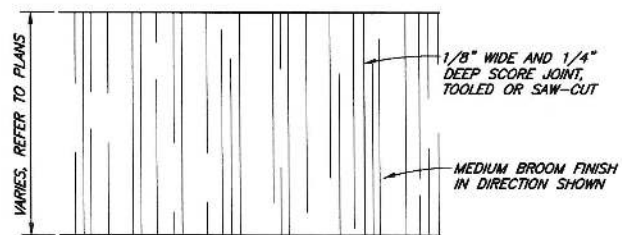
NOTES:
1. MAINTAIN EXISTING DRAINAGE PATTERNS.
2. 3\"/>

DETAIL 5
NTS C-2
(AC CONFORM)



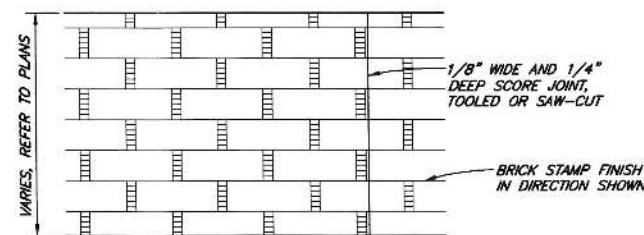
NOTE:
CONTROL JOINTS TO BE PLACED EVERY 10' ALONG LENGTH OF VALLEY GUTTER.

DETAIL 6
NTS C-2
(VALLEY GUTTER)



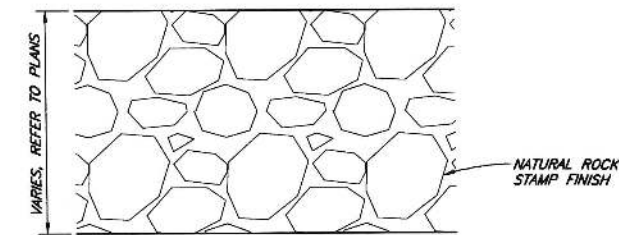
NOTE:
PROVIDE SCORE JOINTS 10' OC UNLESS OTHERWISE NOTED.

DETAIL 7
NTS C-2
(CONCRETE - BROOM FINISH)



NOTE:
PROVIDE SCORE JOINTS 10' OC UNLESS OTHERWISE NOTED.

DETAIL 8
NTS C-2
(CONCRETE - BRICK STAMP FINISH)



NOTE:
PROVIDE SCORE JOINTS 10' OC UNLESS OTHERWISE NOTED.

DETAIL 9
NTS C-2
(CONCRETE - NATURAL ROCK STAMP FINISH)

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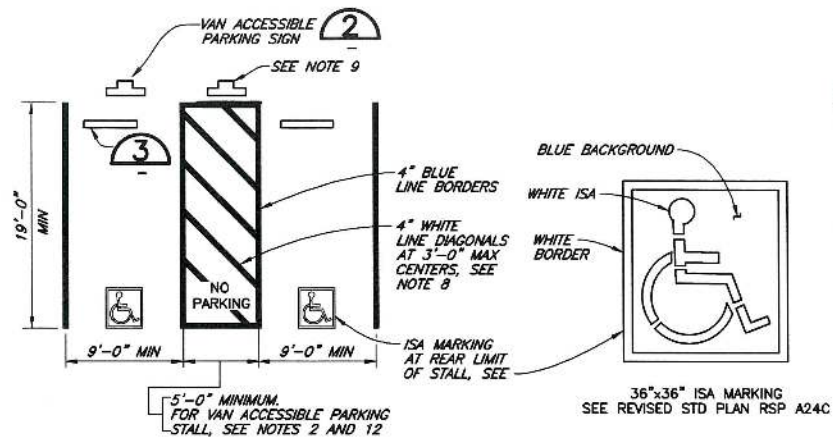
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DR	CDN/JF	REVISION	
CHK	JGI	NO.	
APVD		DATE	

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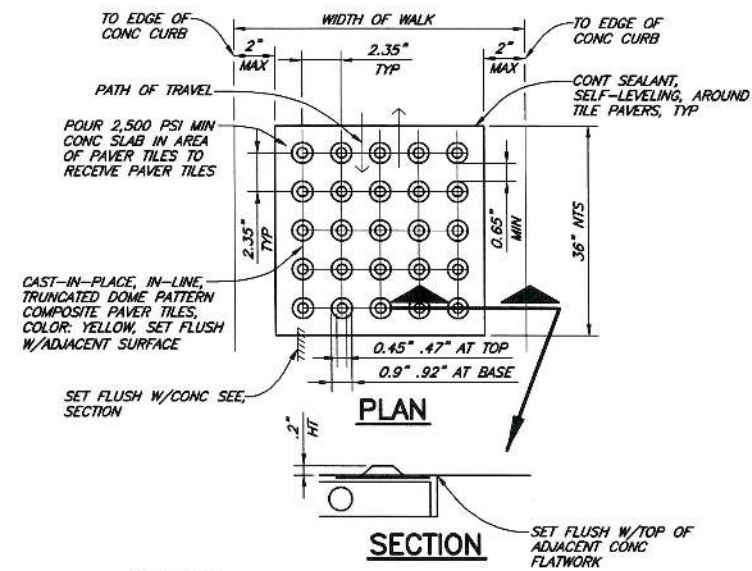
DETAILS



SHEET
C-6
SEC
DATE 06/2023
PROJ. NO.
022141



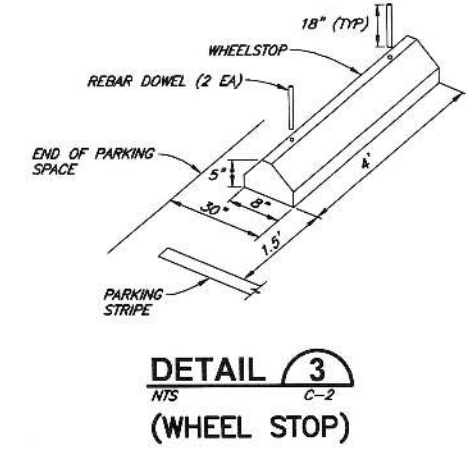
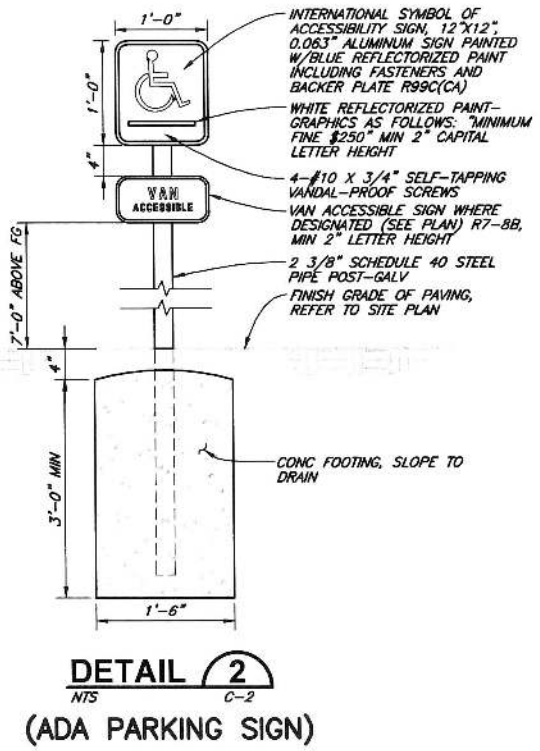
DETAIL 1
NTS C-2
(ADA PARKING STALLS)



- NOTES:**
- WHERE WALKS CROSS A VEHICULAR WAY, AND THE WALKING SURFACE IS NOT SEPARATED BY CURBS OR RAILINGS, THE BOUNDARY BETWEEN THE AREAS SHALL BE DEFINED BY A CONTINUOUS DETECTABLE WARNING 36" WIDE COMPLYING W/SECTION 118.705 OF THE CALIFORNIA BUILDING CODE. COLOR TO BE FEDERAL YELLOW.
 - PAVER TILES TO BE EQUAL TO ADA SOLUTIONS, INC (800)372-0519.

DETAIL 4
NTS C-2, C-6
(TRUNCATED DOMES)

- NOTES:**
- ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING, ACCESSIBLE PARKING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY.
 - ONE IN EVERY SIX ACCESSIBLE OFF-STREET PARKING STALLS, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESSIBLE AISLE OF 8'-0" MINIMUM WIDTH AND SHALL BE SIGNED VAN ACCESSIBLE. THE R7-8B SIGN SHALL BE MOUNTED BELOW THE R99B (CA) PLAQUE OR THE R99C (CA) SIGN.
 - IN EACH PARKING STALL, A CURB OR BUMPER SHALL BE PROVIDED AND LOCATED TO PREVENT ENCROACHMENT OF VEHICLES OVER THE REQUIRED WIDTH OF WALKWAYS. PARKING STALLS SHALL BE SO LOCATED THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.
 - SURFACE SLOPES OF ACCESSIBLE OFF-STREET PARKING STALLS SHALL BE THE MINIMUM POSSIBLE AND SHALL NOT EXCEED 2 PERCENT IN ANY DIRECTION.
 - WHERE PLAQUE R99B (CA), SIGN R99C (CA) OR SIGN R7-8B ARE INSTALLED, THE BOTTOM OF THE SIGN OR PLAQUE PANEL SHALL BE A MINIMUM OF 7'-0" ABOVE THE SURROUNDING SURFACE.
 - CURB RAMPS SHALL CONFORM TO THE DETAILS SHOWN ON REVISED STANDARD PLAN RSP AB8A.
 - BLUE PAINT, INSTEAD OF WHITE MAY BE USED FOR MARKING ACCESSIBILITY AISLES IN AREAS WHERE SNOW MAY CAUSE WHITE MARKINGS TO NOT BE VISIBLE.
 - THE WORDS "NO PARKING" SHALL BE PAINTED IN WHITE LETTERS NO LESS THAN 1'-0" HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS. SEE REVISED STANDARD PLAN RSP A90B FOR DETAILS OF THE "NO PARKING" PAVEMENT MARKING.
 - A R100B (CA) SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL. THE SIGN SHALL INCLUDE THE ADDRESS WHERE THE TOWED VEHICLE MAY BE RECLAIMED AND THE TELEPHONE NUMBER OF THE LOCAL TRAFFIC LAW ENFORCEMENT AGENCY.
 - WHERE A SINGLE (NON-VAN) ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
 - WHERE A VAN ACCESSIBLE PARKING SPACE IS PROVIDED, THE LOADING AND UNLOADING ACCESS AISLE SHALL BE 8'-0" WIDE MINIMUM, AND SHALL BE ON THE PASSENGER SIDE OF THE VEHICLE AS THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE.
 - ACCESSIBLE PARKING ONLY SIGN SHALL BE SIGN R99C (CA) OR SIGN R99B (CA) WITH PLAQUE R99B (CA).
 - SLOPE SHALL NOT EXCEED 2% IN ANY DIRECTION.



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CHECK: CDN/JF
APPROVE: JGI

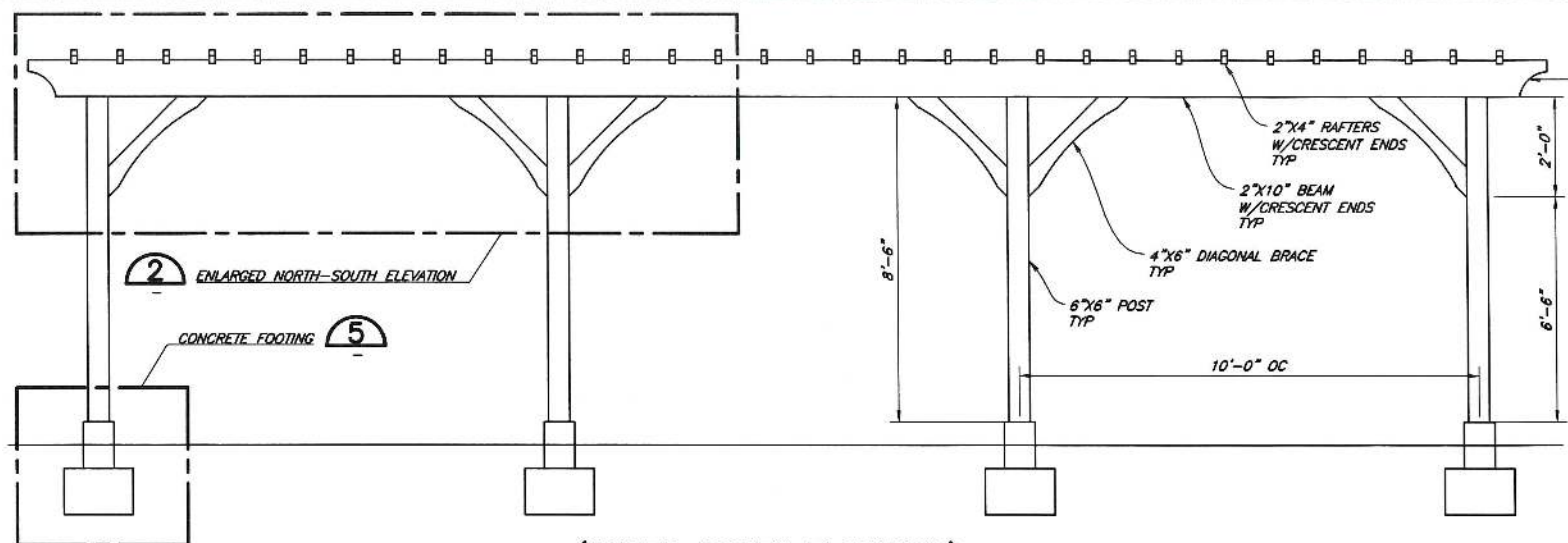
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BLUE LAKE TOWN SQUARE
BLUE LAKE, CALIFORNIA

DETAILS

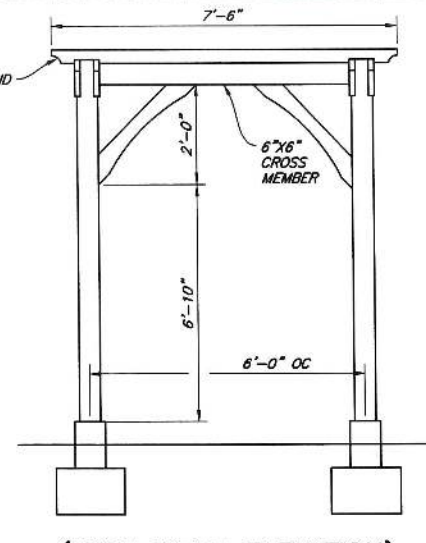
SHEET **C-7**
SEQ
DATE 06/2023
PROJ. NO. 022141

REGISTERED PROFESSIONAL ENGINEER
JASON G. ISLAND
NO. 64809
Exp. 05/30/23
CIVIL
STATE OF CALIFORNIA

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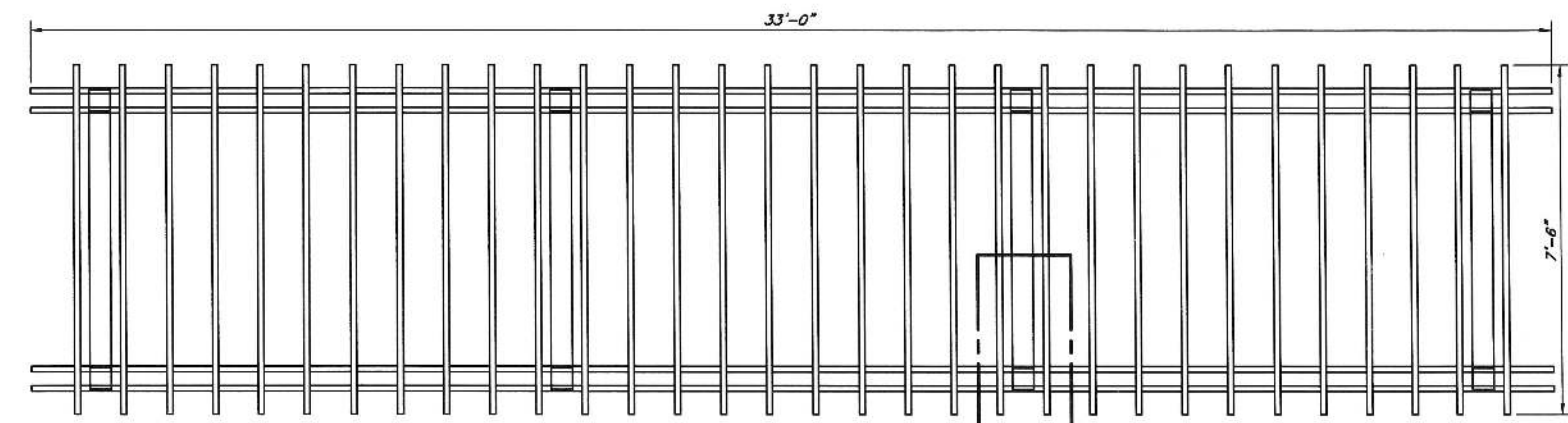
(NORTH-SOUTH ELEVATION)



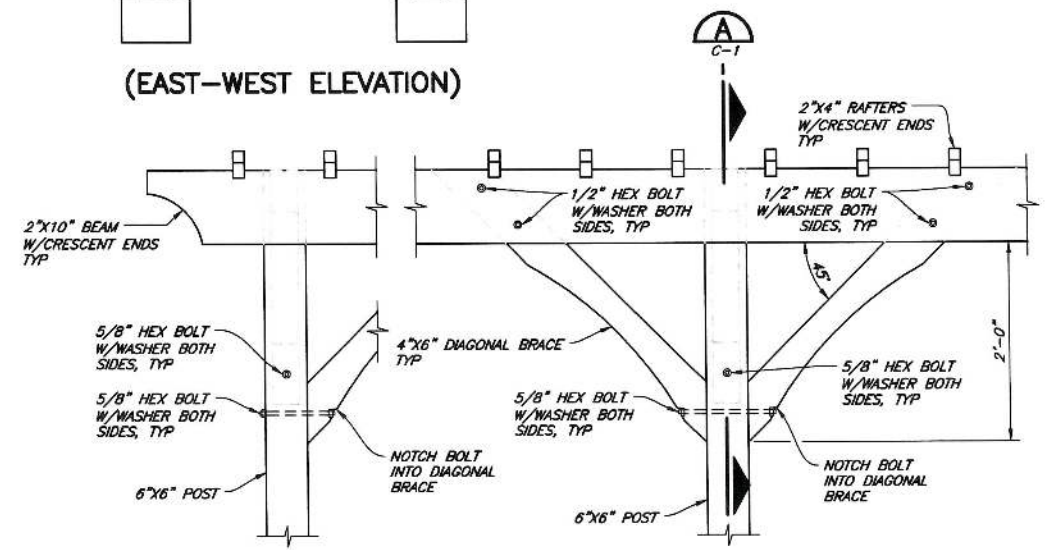
(EAST-WEST ELEVATION)

NOTES:

1. USE CON COMMON REDWOOD
2. 2" MIN EDGE CLEARANCE FOR ALL REBAR IN CONCRETE
3. ALL FASTENERS TO BE STAINLESS STEEL EXCEPT SIMPSON HARDWARE FASTENERS PER MANUFACTURERS SPEC



(TOP VIEW)

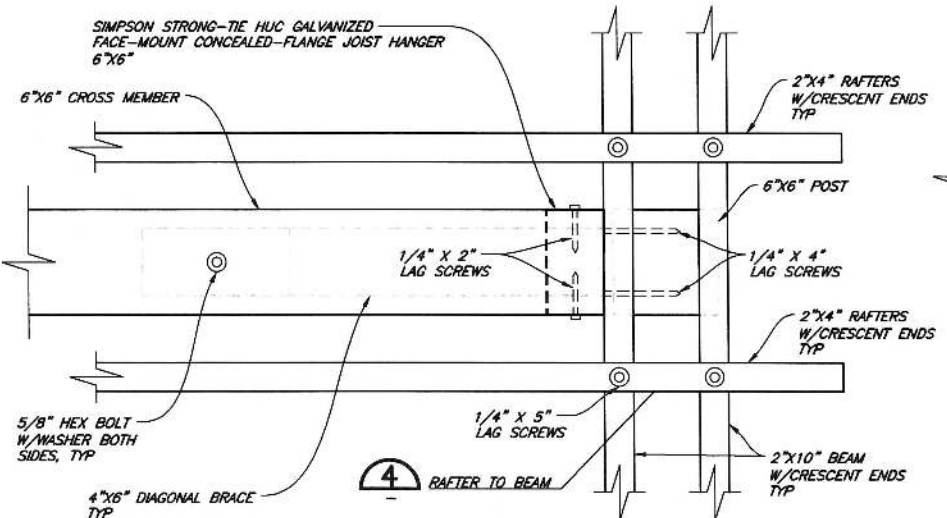


DETAIL 2
NTS

(ENLARGED NORTH-SOUTH ELEVATION)

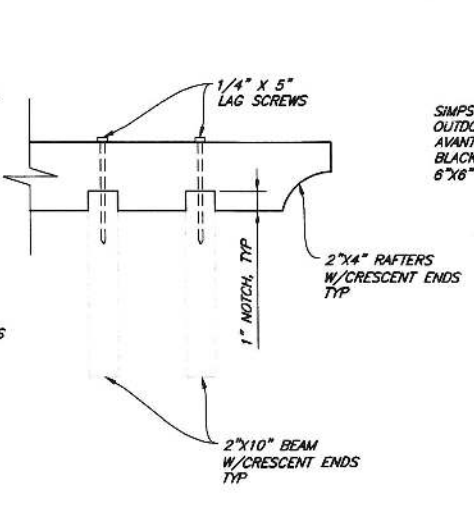
DETAIL 1
NTS

(TIMBER SHADE STRUCTURE)



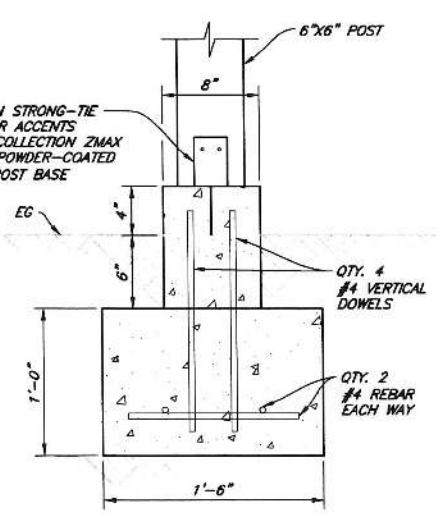
DETAIL 3
NTS

(ENLARGED TOP VIEW AT 6'x6' CROSS MEMBER)



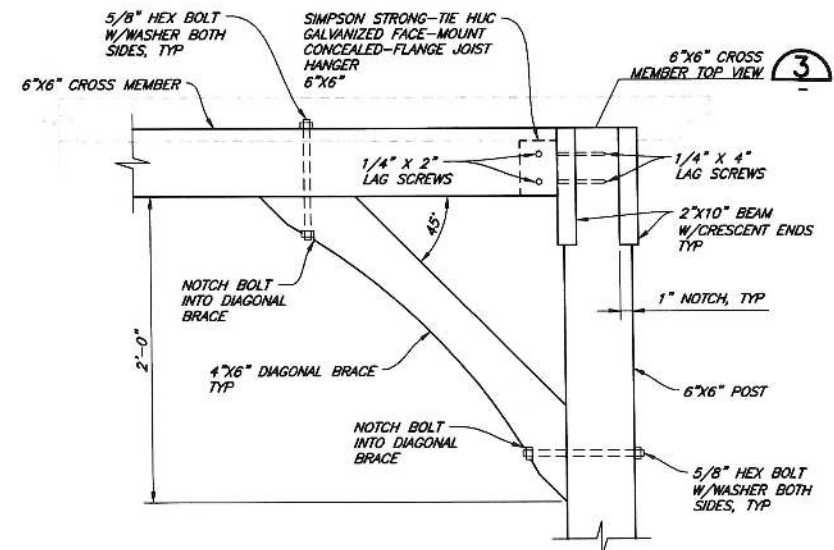
DETAIL 4
NTS

(RAFTER TO BEAM CONNECTION)



DETAIL 5
NTS

(CONCRETE FOOTING)



SECTION A
NTS

(POST TO CROSS MEMBER CONNECTION)

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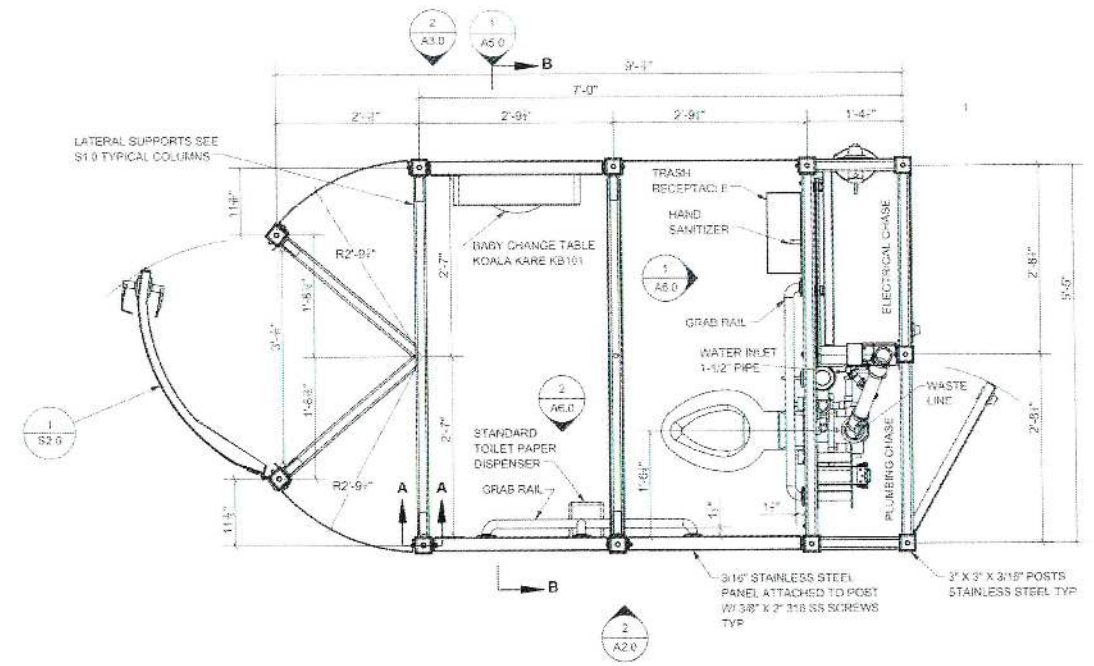
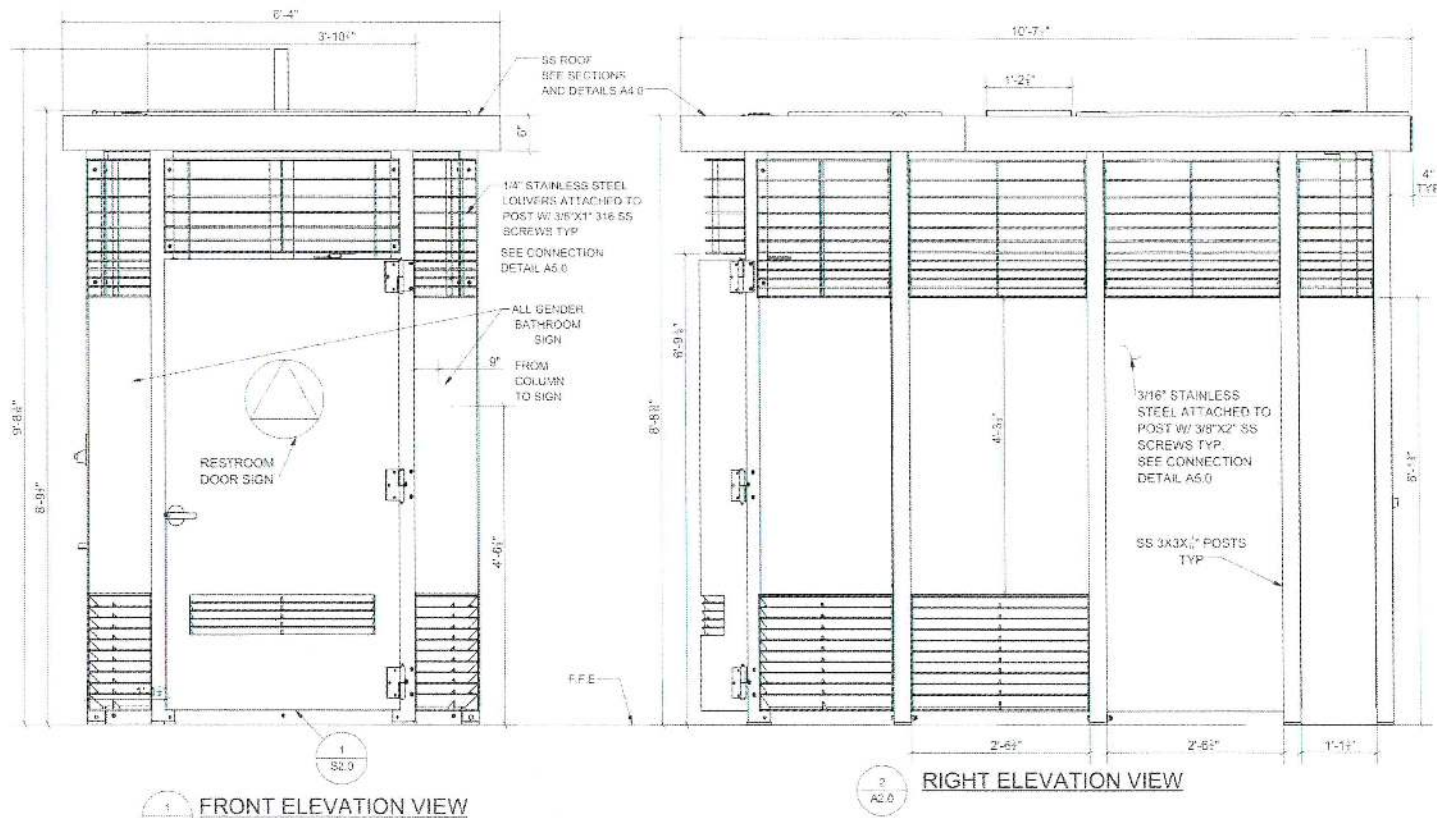
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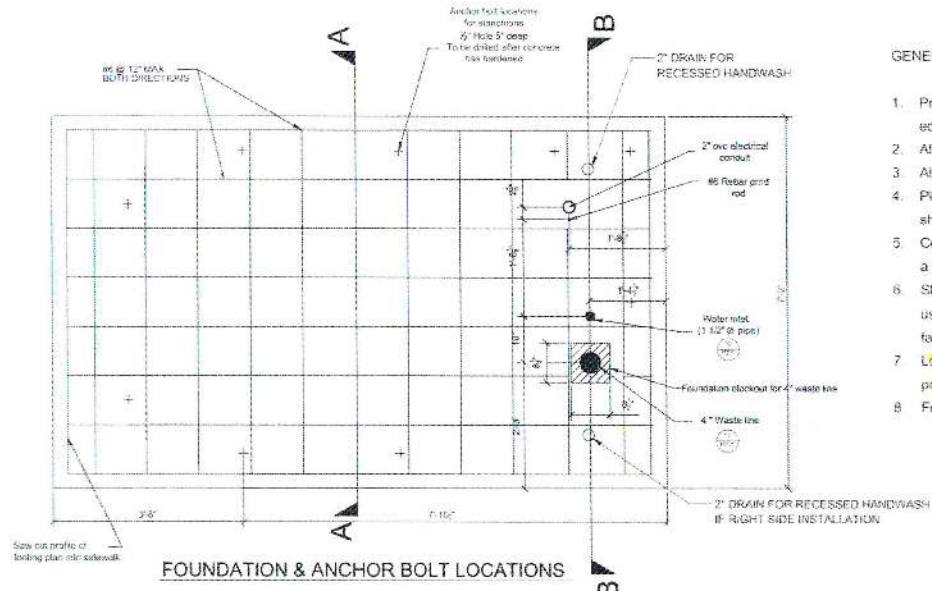
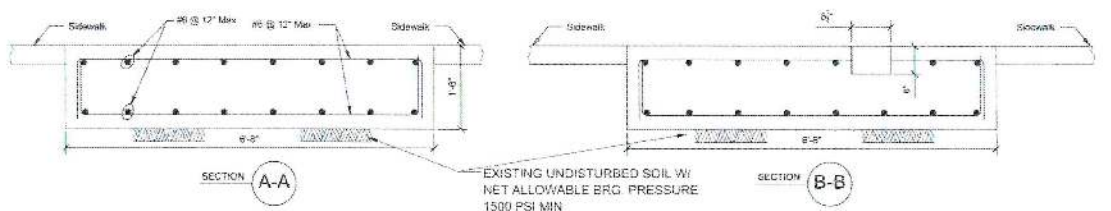


TIMBER SHADE STRUCTURE DETAILS



DETAIL 1
NTS C-2
(PORTLAND LOO ELEVATIONS)

DETAIL 2
NTS C-2
(PORTLAND LOO INTERNAL TOP VIEW)



- GENERAL NOTES:**
1. Provide all materials and perform all work according to the current edition of the Specifications of the Authority Having Jurisdiction.
 2. All concrete shall be Structural Class, FC = 4000psi
 3. All reinforcing steel shall conform to A615 Grade 60.
 4. Place bars 3 inches clear of the nearest face of concrete unless shown otherwise.
 5. Concrete footing may be poured integrally with sidewalk, providing a deep cut tool joint is located around perimeter of footing.
 6. Stanchions section "A-A" / A1.0 to be fastened to the concrete using 2"x5" Simpson Titan HD Anchors. The Loos columns to be fastened to the stanchions.
 7. Location of anchor bolts to be located and drilled using template provided before installation by Madden Fabrication.
 8. For Grade/Slope and location of floor drains see civil plans.

DETAIL 3
NTS C-2
(PORTLAND LOO FOUNDATION, ANCHOR BOLT LOCATION & UTILITY LOCATION)

- NOTES:**
1. THE DETAILS SHOWN ARE TO BE USED AS A REFERENCE ONLY.
 2. SEE MADDEN FABRICATION "THE PORTLAND LOO - STRUCTURAL DRAWINGS" FOR FULL PLAN SET.



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DESIGN	JM
DR	CDN/JF
CHK	JCI
APVD	

CITY OF BLUE LAKE
 BLUE LAKE TOWN SQUARE
 BLUE LAKE, CALIFORNIA
PORTLAND LOO DETAILS

SHEET C-9
 SEQ
 DATE 06/2023
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LITA SERIES Solar Powered LED Lighting System

OVERVIEW

The Lita Series requires a minimum of 4000 lumens per fixture, depending on your specific application and/or adjustable mounting brackets. Each system is completely custom and according to your location, project and lighting requirements. Our fixtures can be configured to turn through the night or have them set to use energy when full light is not required and with the option for motion detection.

PART NUMBER

SYSTEM	LUM. QTY	LUMINA RE	OPTICS	LOAD	C.CLOSE TEMP	ARM	POLE QTY
LA	1	4000	15	15	15	15	1

BATTERY QTY	BATT. WATT	BATTERY	PV. QTY	PV. WATT	POLE HEIGHT	COLOR	OPERATING PROFILE
2	1200	1200	1	150W	15 FT	BL	6:40 DIM 6:45 DIM 7:40 DIM 6:40 DIM

FIXTURES SPECIFICATIONS

- Luminaire: 4000 Lumens, 2000-2500K available with optional CDM-Tune Tuning, compact fixture, 4000 lumens
- Panel Mount: Solar Panel Mount - 4000 lumens
- Solar Panel: See notes for panel mounting and angle
- Battery Enclosure: See notes for enclosure mounting and location
- LED Type: See notes for LED type and color
- Smart Controller: See notes for controller options and features
- 15 Year Limited Warranty: See notes for warranty details

DETAIL 1
NTS C-2
(LITA SOLAR LIGHT SPEC)

LEGEND

- A. Mono-Crystalline Solar Cell - Solar Panel, Orient towards True South per manufacturer's recommendation
- B. Luminaire
- C. Battery Box
- D. 5" at the bottom, 3" at the top - Galvanized Steel Pole
- E. Flange

ANCHOR BOLT DETAIL

8 - #5 Vertical Bars
Typical Anchor Bolt
#3 Spiral Bars at 6" O.C.
Anchor Plate

SECTION "A-A"

Flange Detail

SECTION "B-B"

FOUNDATION SECTION

ANCHOR BOLT DETAIL

ANCHOR BOLT DETAIL

Table: Wind Resistance

Tilt angle of the solar panels	15	30	45	60
EPA (ft ²)*	3.94	7.58	10.76	13.13
Wind resistance** (mph)	150	150	150	150

Table: System Information

System	Lita - 14' - 1P
By	Luis Jimenez
Date	4/23/2021
Website	www.streetlights-solar.com

DETAIL 2
NTS C-2
(LITA SOLAR LIGHT FOOTING)

NOTES:

- THE DETAILS SHOWN ARE TO BE USED AS A REFERENCE ONLY.
- SEE GREENSHINE OUTDOOR SOLAR LIGHTING SOLUTIONS LITA GENERAL SPECS AND CUT SHEETS FOR SPECS AND PLANS.



VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

335 S. MAIN ST
 FULLERTON, CA 92640
 WWW.SHINE-ENGR.COM
 707-459-4518



NO.	DATE	REVISION	BY

CITY OF BLUE LAKE
 BLUE LAKE TOWN SQUARE
 BLUE LAKE, CALIFORNIA

LITA SOLAR LIGHTING DETAILS

SHEET
C-10
 SEQ
 DATE 06/2023
 PROJ. NO.
 022141