

**STREET IMPROVEMENT NOTES**

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) (LATEST EDITION), AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC)(LATEST EDITION).
2. THE CONTRACTOR SHALL IMPLEMENT ALL CITY, COUNTY, STATE AND FEDERAL JOB SITE SAFETY REQUIREMENTS AS THEY RELATE TO DUST CONTROL, EQUIPMENT MOVEMENT, NOISE, HOURS OF WORK AND CONSTRUCTION HAZARDOUS MATERIALS AND SHALL MINIMIZE ANY INCONVENIENCE TO THE PUBLIC.
3. THE CONTRACTOR SHALL NOT CONDUCT ANY NOISY OPERATIONS NOR PERFORM ANY NOISY WORK PERTAINING TO THE PROJECT BETWEEN THE HOURS OF 6:00 P.M. AND 8:00 A.M. ON ANY DAY NOR ON SATURDAY, SUNDAY OR ANY HOLIDAY AT ANY TIME WITHOUT PRIOR APPROVAL, IN WRITING, OF THE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF CLEANING AND HAULING ANY HAZARDOUS AND DETRIMENTAL MATERIAL, DISCOVERED DURING AND AFTER THE WORK, FROM THE SITE.
5. THESE NOTES SHALL TAKE PRECEDENCE OVER THE INFORMATION APPEARING ON THE PLANS.
6. A CONSTRUCTION WATER METER IS AVAILABLE FROM THE LAGUNA BEACH COUNTY WATER DISTRICT, LOCATED AT 306 3RD STREET, LAGUNA BEACH, CA 92651. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF THE WATER.
7. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITY LINES OR STRUCTURES WHETHER SHOWN OR NOT SHOWN ON THIS PLAN, AND SHALL BE RESPONSIBLE FOR PROTECTING THEM FROM DAMAGE. THE CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) A MINIMUM OF TWO WORKING DAYS BEFORE DIGGING. THE USA NUMBER SHALL BE PROVIDED TO THE CITY ENGINEER.
8. NO WORK MAY BEGIN WITHOUT AN APPROVED TRAFFIC CONTROL PLAN; ONCE BEGUN, THE CONTRACTOR SHALL ENDEAVOR TO COMPLETE WORK IN THE STREET AND/OR PUBLIC RIGHT OF WAY WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
9. ANY CONTRACTOR WORKING WITHIN THE PUBLIC RIGHT OF WAY IS SUBJECT TO THE LICENSING AND INSURANCE REQUIREMENTS OF THE CITY.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR ANY DEPOSIT OF WATER RUNOFF AND/OR DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.
11. TREES, FOLIAGE, SIGNS, AND OTHER IMPROVEMENTS SHALL BE PROTECTED IN PLACE AND ANY DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPAIRED OR REPLACED IN KIND TO THE SATISFACTION OF THE ENGINEER.
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES WITHIN THE ALIGNMENT OF THE PROPOSED IMPROVEMENTS, AND IN THE EVENT OF SUBSTRUCTURE DAMAGE, THE CONTRACTOR SHALL BEAR THE TOTAL COST OF REPAIR OR REPLACEMENT.
13. ALL EXCAVATED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE JOB SITE UNLESS INSTRUCTED BY THE ENGINEER, IN WRITING, TO DO OTHERWISE.
14. NO TRENCHES, REGARDLESS OF DEPTH OR WIDTH MAY BE LEFT OPEN OVERNIGHT UNLESS PRIOR APPROVAL IS SECURED, IN WRITING, FROM THE ENGINEER.
15. TRENCHES DEEPER THAN 5'-0" WILL REQUIRE A CAL-OSHA PERMIT. A COPY OF THE PERMIT SHALL BE PROVIDED TO THE ENGINEER.
16. THE CONTRACTOR SHALL BE RESPONSIBLE DURING ALL PHASES OF THE WORK TO PROVIDE FOR PUBLIC SAFETY AND CONVENIENCE. THE CONTRACTOR SHALL ESTABLISH ADEQUATE ACCESS TO DRIVEWAYS AT THE END OF EACH WORKING DAY TO THE SATISFACTION OF THE ENGINEER.
17. THE CONTRACTOR SHALL PROVIDE A 72-HOUR NOTIFICATION TO THE AFFECTED PROPERTIES, THE POLICE DEPARTMENT, AND THE FIRE DEPARTMENT IN THE EVENT OF A CHANGE IN STREET CLOSURE TO TRAFFIC AND/OR PUBLIC SAFETY VEHICLES, PARKING RESTRICTIONS, AND ON EACH MONDAY MORNING DURING THE CONSTRUCTION PERIOD.
18. ALL INSPECTION REQUESTS FOR WORK PERFORMED IN THE PUBLIC RIGHT OF WAY SHALL BE DIRECTED TO THE PUBLIC WORKS DEPARTMENT, AND SHALL BE MADE BY THE CONTRACTOR A MINIMUM OF TWENTY-FOUR (24) HOURS BEFORE THE SERVICES THEREOF WILL BE REQUIRED.
19. FOR NEW STREET CONSTRUCTION, RECONSTRUCTION OR REHABILITATION OF AN EXISTING STREET, AND/OR MATCH UP ASPHALT CONCRETE (AC) PAVEMENT, MATERIAL SHALL MEET THE MINIMUM REQUIREMENTS OF PG 64-10 ASPHALT PAVEMENT; ALL BASE USED UNDER ASPHALT OR CONCRETE IMPROVEMENTS SHALL BE CLASS II BASE.
20. ALL PORTLAND CEMENT CONCRETE (PCC) AND ASPHALT CONCRETE (AC) SHALL BE REMOVED TO A NEAT CLEAN EDGE.
21. THE CONTRACTOR SHALL FURNISH AND OPERATE A SELF-LOADING MOTOR SWEEPER WITH SPRAY NOZZLES DAILY AS NECESSARY TO KEEP PAVED AREAS CLEAN WHEREVER CONSTRUCTION, INCLUDING RESTORATION, IS COMPLETE, OR AS REQUIRED BY THE ENGINEER.

# CITY OF LAGUNA BEACH PUBLIC WORKS DEPARTMENT UNDERGROUND UTILITY DISTRICT 2020-2 BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT

**WATER QUALITY NOTES**

1. CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS, OR RESIDUES SHALL BE RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.
2. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITE UNLESS TREATED TO REMOVE SEDIMENT AND OTHER POLLUTANTS.
3. ALL CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
4. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
5. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORM-WATER ARE ALLOWED ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT CAUSE OR CONTRIBUTE TO VIOLATION OF ANY WATER QUALITY STANDARDS; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
6. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SEDIMENTS, CEMENT PRODUCTS, SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIME, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES, AND SOLVENTS, ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS, CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; AND SUPER-CHLORINATED POTABLE WATER LINE FLUSHINGS.



**LOCATION MAP**

**NOTICE TO CONTRACTOR**

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING, AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THE LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ANY NECESSARY ADJUSTMENTS TO ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PREVENT DAMAGE TO ANY UTILITY FACILITIES SHOWN AND ANY OTHER FACILITIES NOT SHOWN ON THESE PLANS.

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS AGREE THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THEY WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. THIS INCLUDES PROVIDING FOR THE SAFETY OF ALL PERSONS AND PROPERTY AND SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTORS AND SUBCONTRACTORS FURTHER AGREE TO DEFEND, INDEMNIFY AND HOLD HARMLESS THE DESIGN PROFESSIONAL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

**DECLARATION OF RESPONSIBLE CHARGE**

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PLANS AND SPECIFICATIONS BY THE CITY OF LAGUNA BEACH IS CONFINED TO REVIEW ONLY, AND DOES NOT RELIEVE ME AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR THE PROJECT.

**UTILITY NOTE/PURVEYORS**

CONTRACTORS SHALL NOTIFY ALL UTILITY AGENCIES CONCERNED A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION, INCLUDING BUT NOT LIMITED TO:

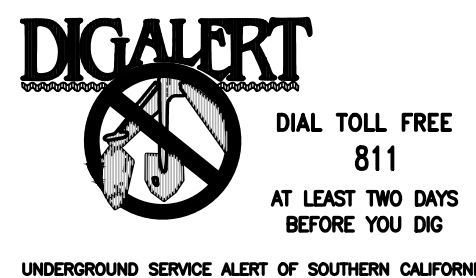
- UNDERGROUND SERVICE ALERT (USA) 811
- SEWER:  
CITY OF LAGUNA BEACH WATER QUALITY  
JASON WALKER (949) 464-6634
- ELECTRICAL:  
SOUTHERN CALIFORNIA EDISON  
TODD PEARCE (714) 973-5637
- TELEPHONE:  
FRONTIER  
MIKE MADRID (714) 469-9401
- GAS:  
SOUTHERN CALIFORNIA GAS  
ANDREW ALDAY (714) 385-3377
- CABLE:  
COX CABLE COMPANY  
ROSENDO YANEZ (949) 563-8374
- WATER:  
LAGUNA BEACH COUNTY WATER DISTRICT  
KEVIN LUSSIER (949) 494-1041

**ABBREVIATIONS:**

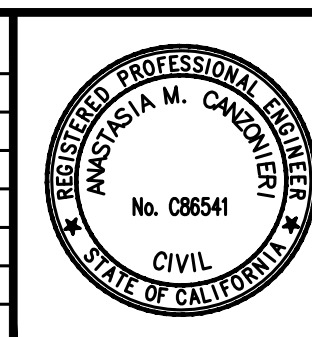
ABAND.	ABANDONED	INV.	INVERT
A.P.W.A.	AMERICAN PUBLIC WORKS ASSOC.	L.F.	LINEAR FEET
A.C.	ASPHALT CONCRETE	L.S.	LUMP SUM
B.C.	BEGIN CURVE	M.H.	MANHOLE
BLDG.	BUILDING	MAX.	MAXIMUM
C&G	CURB & GUTTER	MIN.	MINIMUM
C.L.	CENTERLINE	N.T.S.	NOT TO SCALE
CLR.	CLEAR	O.C.	ON CENTER
CONST.	CONSTRUCT	P.L.	PROPERTY LINE
C.M.P.	CORRUGATED METAL PIPE	P.V.C.	POLYVINYL CHLORIDE
C.S.P.	CORRUGATED STEEL PIPE	P.C.C.	PORTLAND CEMENT CONCRETE
C.Y.	CUBIC YARD	PROP.	PROPOSED
E.P.	EDGE OF PAVEMENT	R/W	RIGHT-OF-WAY
EA.	EACH	REINF.	REINFORCING
ELEC.	ELECTRICAL	SHT.	SHEET
ELEV.	ELEVATION	S.S.	SANITARY SEWER
E.C.	END CURVE	SSPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
EXIST.	EXISTING	STD.	STANDARD
EX.	EXISTING	S.D.	STORM DRAIN
E.L.T.	EXTRA LONG TON	S/W	SIDEWALK
F.L.	FLOWLINE	T.C.	TOP OF CURB
G.B.	GRADE BREAK	TRANS.	TRANSITION
		TYP.	TYPICAL
		VAR.	VARIES

**SHEET INDEX**

DRAWING TITLE	SHEET NO.
TITLE SHEET	1
DETAIL SHEET	2
STREET LIGHTING PLAN	3



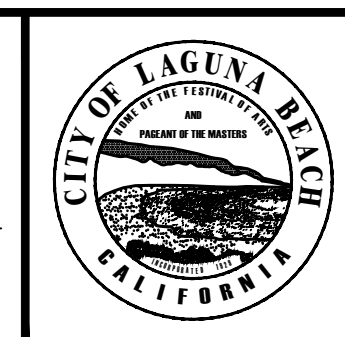
REVISIONS				
NO.	DATE	DESCRIPTION	APP'D	DATE



PREPARED BY:  
*AMC*  
ANASTASIA CANZONIERI, C08541  
DATE: 5/5/2023

REVIEWED FOR D.R.B. CONFORMANCE BY:  
FIRST LAST \_\_\_\_\_ DATE \_\_\_\_\_  
RECOMMENDED BY: ASSIST. DIR. OF PUBLIC WORKS  
THOMAS PEREZ, P.E. \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY:  
MARK A. TRESTIK, P.E., RCE 53708  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_



**CITY OF LAGUNA BEACH**  
PUBLIC WORKS DEPARTMENT  
UNDERGROUND UTILITY DISTRICT 2020-2  
BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT  
**TITLE SHEET**

SHEET  
**1**  
OF  
**3**

UNDERGROUND UTILITY DISTRICT 2020-2 BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT

**GENERAL STREET LIGHTING NOTES:**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC) (LATEST EDITION), THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC)(LATEST EDITION) AND THE 2018 REVISED CALTRANS STANDARD PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES. LOCATION OF UTILITIES SHOWN ARE APPROXIMATE.
- UNLESS OTHERWISE INDICATED, ALL STREET LIGHTING SYSTEM CONDUITS SHALL BE 2" SCHEDULE 80 PVC AND SHALL BE WIRED WITH 3#8 THWN STRANDED COPPER WIRES (1-RED, 1-BLACK AND 1-WHITE) AND 1#8 THW COPPER WIRE (1-GREEN).
- ALL STREET LIGHTING SYSTEM CONDUITS SHALL BE PLACED 30" UNDER FINISHED SURFACE.
- ELECTROLIERS SHALL BE WIRED WITH 2#10 (1-RED OR BLACK, 1-WHITE). CONDUIT SHALL BE 1" GALVANIZED RIGID STEEL CONDUIT AND SHALL HAVE 15" COVER RUNNING BETWEEN PULL BOX AND POLE.
- ELECTROLIERS LETTERED "B" SHALL BE CONNECTED TO BLACK AND WHITE WIRES AND ELECTROLIERS LETTERED "R" SHALL BE CONNECTED TO RED AND WHITE WIRES.
- BUSS "TRON", OR APPROVED EQUAL WATERPROOF FUSE HOLDER AND 5 AMP. FUSE SHALL BE INSTALLED IN THE PULL BOX NEAR POLE TO PROTECT THE LUMINAIRE.
- THE LOCATION OF THE NEW LIGHTING STANDARDS SHOWN ON THE PLAN ARE ONLY APPROXIMATE. EXACT LOCATIONS TO BE MARKED IN THE FIELD BY CITY ELECTRICAL DIVISION. - NOTE: CITY INSPECTOR WILL LOCATE EXACT POLE SET BACK FROM CURB FACE.
- ALL WORK INDICATED AND SHOWN ON PLAN IN CONNECTION WITH LIGHTING INSTALLATION SHALL BE DONE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN HEREON, AND ALL MATERIALS TO COMPLETE THE SYSTEM AND MAKE READY FOR OPERATION SHALL BE FINISHED BY THE CONTRACTOR.
- UPON COMPLETION OF WORK, THE CONTRACTOR SHALL PERFORM SUCH TESTS AS MAY BE REQUIRED BY THE CITY ENGINEER. ANY DEFECTS THAT MAY BE INDICATED SHALL BE REPAIRED OR CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE, AND THE SYSTEM SHALL THEN BE RETESTED UNTIL SATISFACTORY TO THE ENGINEER.
- THE CONTRACTOR SHALL INSTALL THE LUMINAIRES WITH HORIZONTAL AXIS PARALLEL TO THE ROADWAY SURFACE AT GRADES GREATER THAN 4%.
- STREET LIGHTING CONDUCTORS SHALL BE STRANDED COPPER CONDUCTORS, WITH THWN/THHN, INSULATION, UL APPROVED FOR 600 VOLT OPERATION UNLESS OTHERWISE SPECIFIED HEREON.
- ANY SUBSTITUTION OF MATERIAL SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- STREET LIGHTING SHALL BE PARALLEL CIRCUITS. SERIES CIRCUITS SHALL NOT BE INSTALLED.
- ALL ELECTRICAL EQUIPMENT, INCLUDING LUMINAIRES, METAL CONDUITS, ETC., SHALL BE BONDED.

**CONSTRUCTION NOTES**

- INSTALL TYPE III-BF SERVICE EQUIPMENT ENCLOSURE PER CATRANS STD. PLAN ES-2E WITH 120/240V SERVICE METER WITH 100 AMP MAIN CIRCUIT BREAKER AND 2-POLE-30A-120/240V BREAKER. CONTRACTOR SHALL CONTACT SCE PLANNER STEVE HOFFMAN AT (949) 458-4452 PRIOR TO START OF WORK.
- INSTALL 30' STREET LIGHT POLE WITH 40 WATT LED STREET LUMINAIRE. SEE DETAIL "A" ON SHEET 2.
- INSTALL NEW NO. 5 PULL BOX.
- INSTALL NEW 2" PVC CONDUIT AND 3-#8 WIRES (1-BLACK, 1-RED, 1-WHITE) AND 1#8 (1-GREEN).
- INSTALL NEW 1" GALVANIZED RIGID STEEL CONDUIT AND 3-#10 WIRES (1-RED, 1-WHITE, 1-GREEN).
- INSTALL NEW 1" GALVANIZED RIGID STEEL CONDUIT AND 3-#10 WIRES (1-BLACK, 1-WHITE, 1-GREEN).
- SERVICE CONDUIT AND WIRES CONNECTING TO SCE VAULT TO BE CONSTRUCTED BY OTHERS.
- INSTALL NEW 2" PVC CONDUIT WITH 2-#8 WIRES (1-RED, 1-WHITE) AND 1-#8 (1-GREEN). ASPHALT RESTORATION SHALL BE PER CITY OF LAGUNA BEACH STANDARD PLAN NO. 114 (SEE DETAIL "B" ON SHEET 2).
- RELOCATE EXISTING SIGN TO NEW POLE (STRAP AND SADDLE BRACKET METHOD).
- REMOVAL LIMIT. SAWCUT ASPHALT AND REMOVE TO THE LIMITS SHOWN ON THIS PLAN AND NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL REMOVALS SHALL BE DISPOSED OF BY THE CONTRACTOR.
- CONSTRUCT 4" P.C.C. SIDEWALK PER CITY OF LAGUNA BEACH STANDARD PLAN NO. 107.
- INSTALL NEW 2" PVC CONDUIT AND 2-#8 WIRES (1-BLACK, 1-WHITE) AND 1#8 (1-GREEN). ASPHALT RESTORATION SHALL BE PER CITY OF LAGUNA BEACH STANDARD PLAN NO. 114 (SEE DETAIL "B" ON SHEET 2).
- PROTECT IN PLACE.

**EQUIPMENT SCHEDULE**

SYMBOL	QUANTITY	DESCRIPTION	MANUFACTURER/CATALOG NUMBER		
			POLE	MAST ARM	LUMINAIRE
	3	30' STREET LIGHT POLE, 40 WATT LED STREET LUMINAIRE	SOUTH COAST LIGHTING & DESIGN STR800120(HT)-FA2SCH40TIE_8-K707LED	SOUTH COAST LIGHTING & DESIGN STR800120(HT)-FA2SCH40TIE_8-K707LED	KING LUMINAIRE K707 DORAL JR. LED FIXTURE CAT#K707-P4FL-III-40(SSL)-7030-120V-KPL21-PR-2.7K-WS C/W DECORATIVE CAGE - UB13.0
	2	TYPE III-BF SERVICE EQUIPMENT ENCLOSURE WITH FOUNDATION PER CALTRANS STANDARD PLAN ES-2E WITH 1-120/240V SERVICE METER AND 1-100 AMP-2P MAIN CIRCUIT BREAKER. CONTRACTOR SHALL TEST BYPASS FACILITIES INSIDE THE CABINET. CONTRACTOR SHALL CONTACT SCE SERVICE PLANNER STEVE HOFFMAN AT (949) 458-4452 FOR ELECTRICAL SERVICE CONNECTION. SEE STREET LIGHTING PLANS FOR INSTALLATION AND LOCATION UNLESS OTHERWISE INDICATED ON STREET LIGHTING PLANS.			

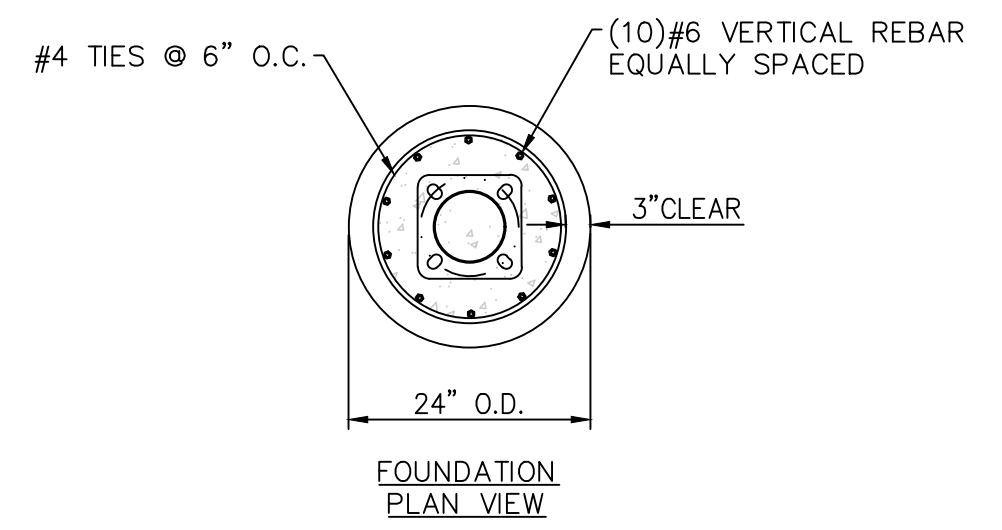
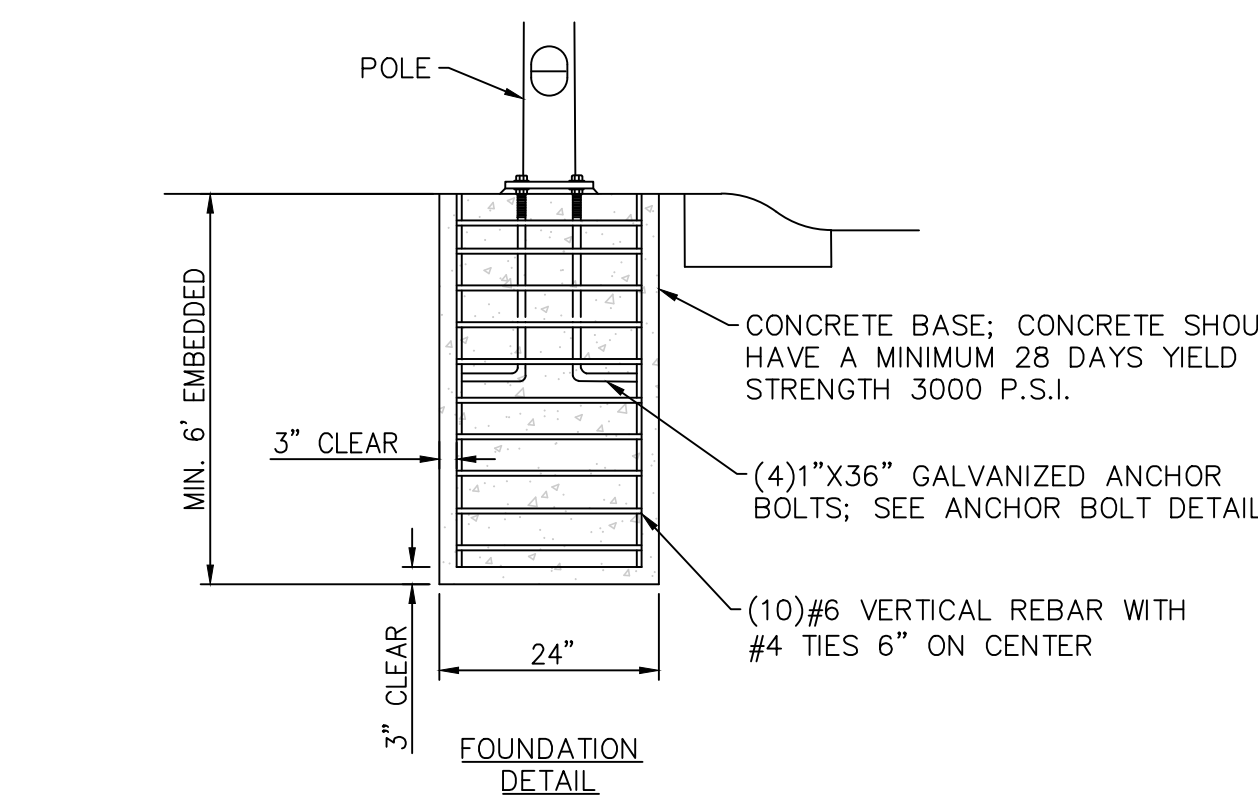
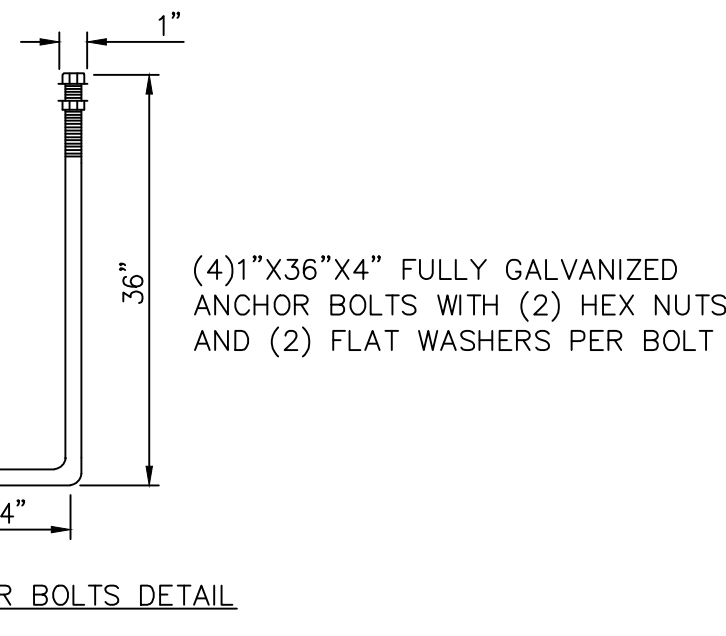
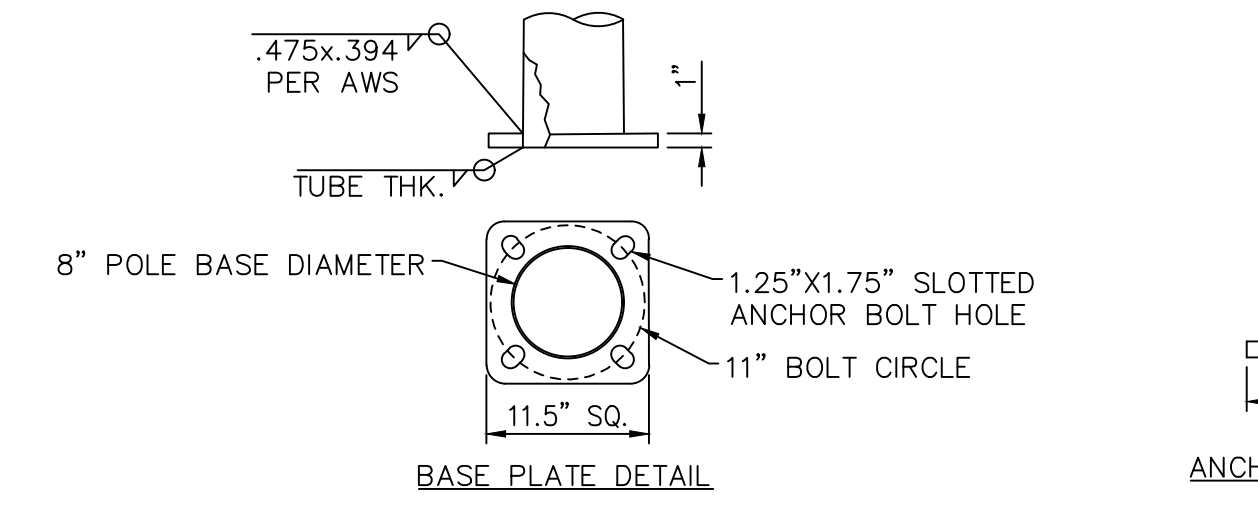
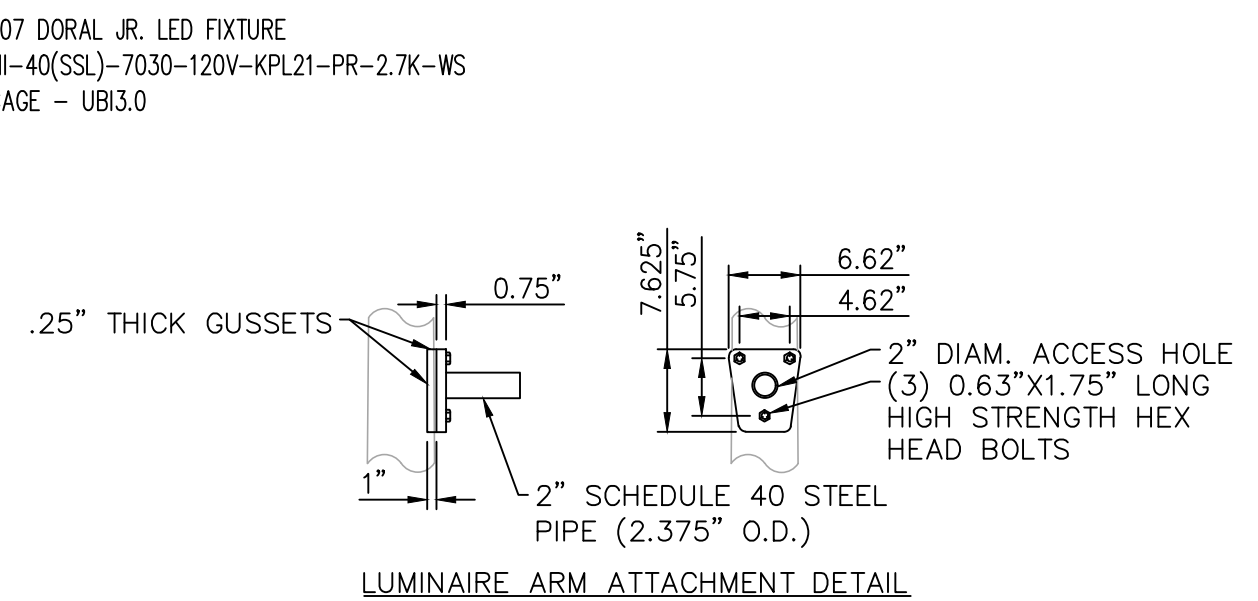
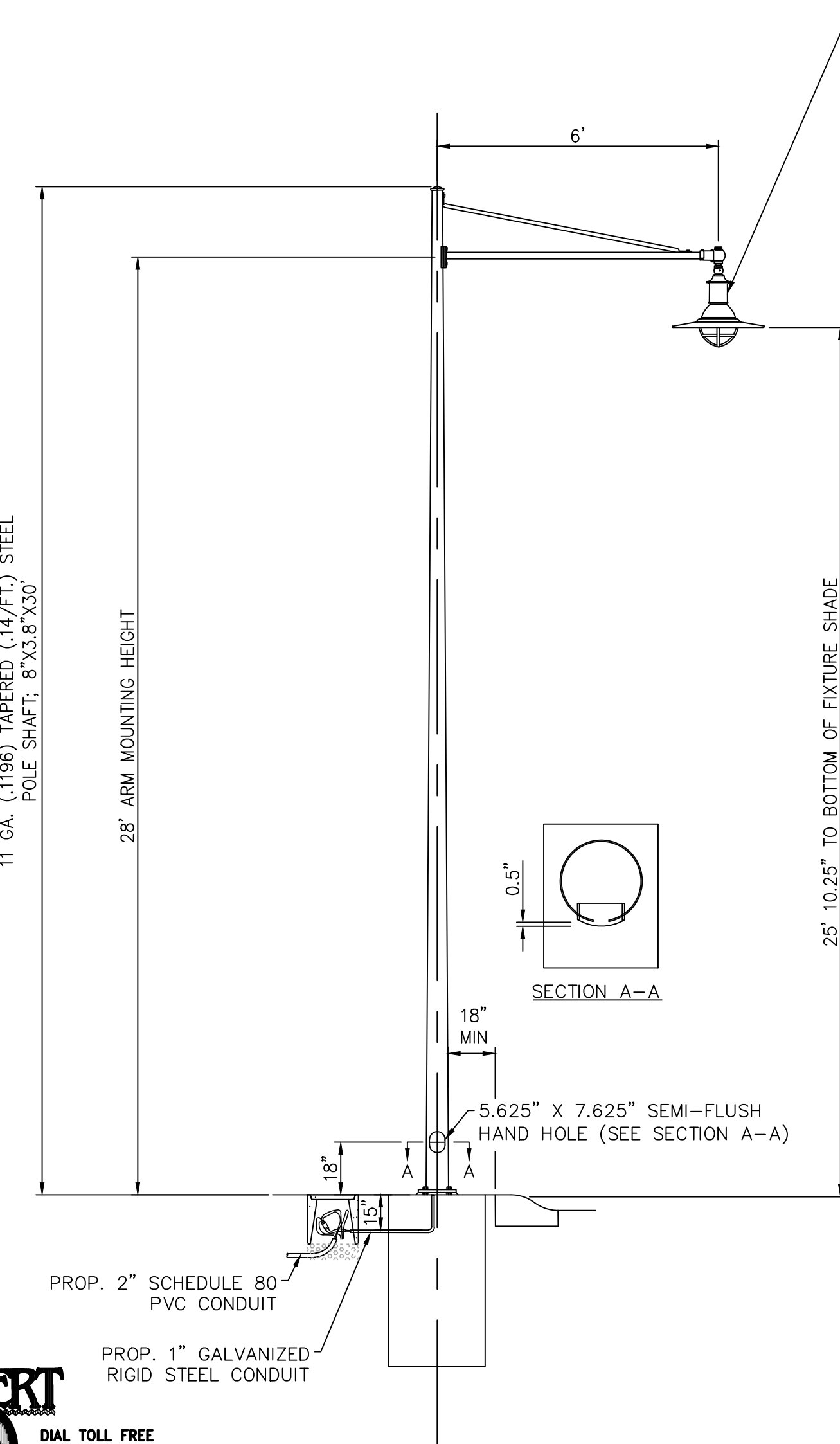
**LIGHTING EQUIPMENT NOTES:**  
 1. INSTALL EQUIPMENT PER MANUFACTURERS INSTRUCTIONS.  
 2. COORDINATE LIGHT FIXTURE LOCATION AND MOUNTING WITH OTHER EQUIPMENT.  
 3. CONTRACTOR SHALL PROVIDE ALL LAMPS, ACCESSORIES AND MOUNTING HARDWARE AS REQUIRED.  
 4. CONTRACTOR SHALL VERIFY EXACT FIXTURE BY MANUFACTURER SPECIFIED OR APPROVED EQUAL SUBSTITUTED FIXTURES WILL REQUIRE PHOTOMETRIC CALCULATIONS AND MUST PERFORM EQUAL TO OR BETTER THAN LIGHT FIXTURE SPECIFIED. ENGINEER TO MAKE FINAL DETERMINATION.

**QUANTITY**

TOTAL	SYMBOL
3	
2	
4	
125'	

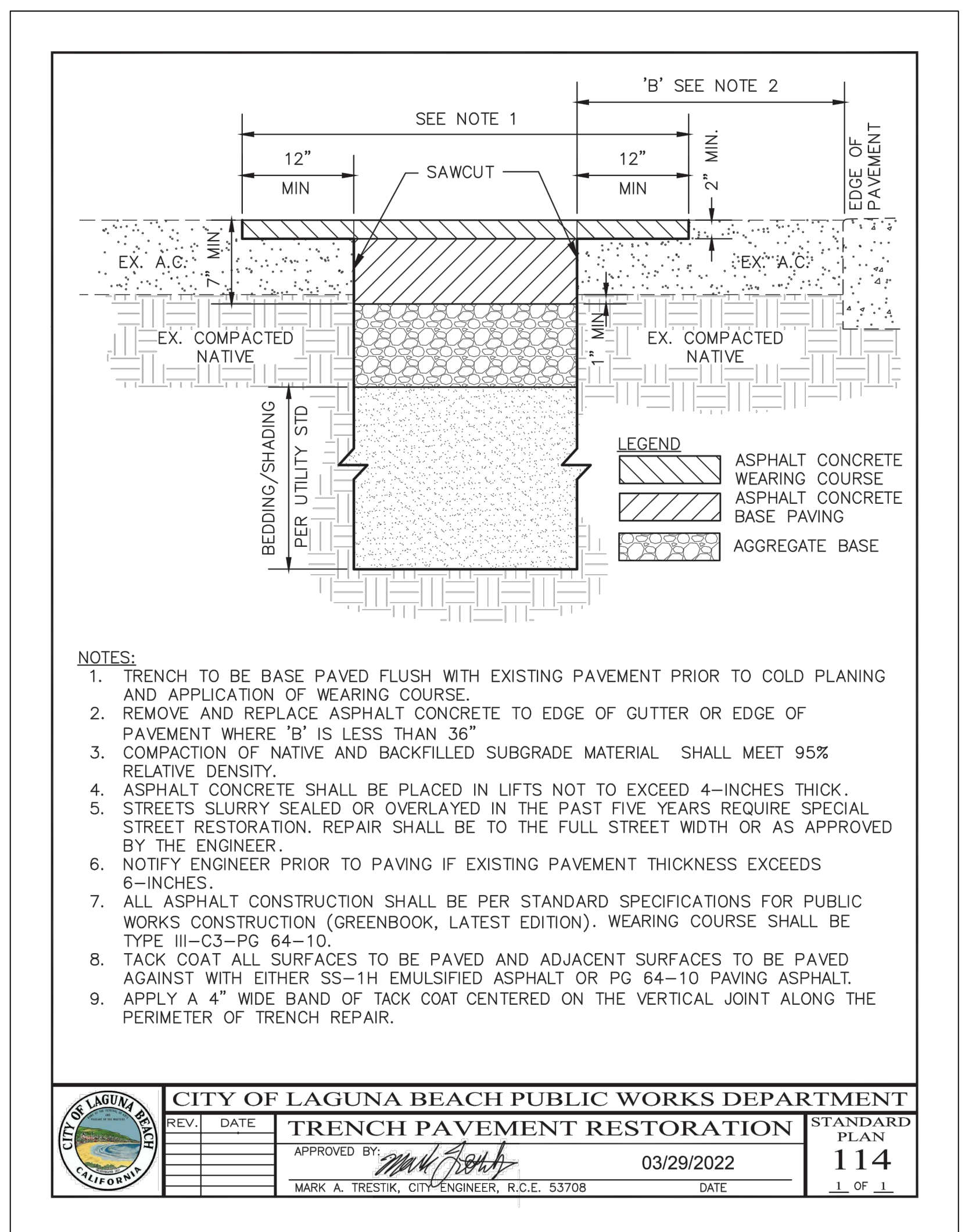
**LEGEND:**

- PROPOSED STREET LIGHT. SEE EQUIPMENT SCHEDULE HEREON FOR MANUFACTURER AND CATALOG NUMBER INFORMATION.
- PROPOSED TYPE III-BF SERVICE ENCLOSURE.
- PROPOSED #5 STREET LIGHTING PULL BOX.
- 3#8 WIRES (2" PROPOSED SCHEDULE 80 PVC CONDUIT WITH 1-BLACK, 1-RED, 1-WHITE) AND 1#8 WIRE (1-GREEN) UNLESS OTHERWISE INDICATED. SEE GENERAL NOTE 3.
- STATION DISTANCE FROM CENTERLINE TO ELECTROLIER
- PROPOSED PCC (CONCRETE)
- EXISTING POWER POLES TO BE REMOVED



**FINISH/MATERIAL SPECIFICATIONS:**

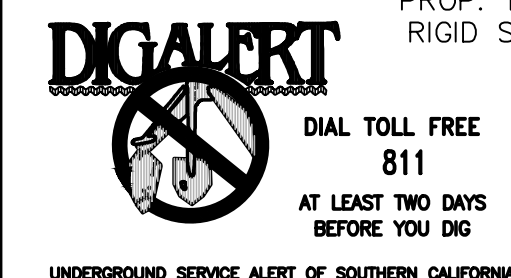
- ALL STEEL ASSEMBLIES GALVANIZED TO ASTM-A123
- ALL WELDS IN ACCORDANCE WITH CALTRANS 2018 R.S.P.
- ENTIRE ASSEMBLY TO BE GALVANIZED PRIOR TO FINISH COATING; FINISH COAT TO BE STANDARD VALMONT VP105 PROCESS; FINAL COLOR T.B.D. (FROM STANDARD VALMONT COLOR OPTIONS)
- ALL HARDWARE STAINLESS STEEL



- NOTES:**
- TRENCH TO BE BASE PAVED FLUSH WITH EXISTING PAVEMENT PRIOR TO COLD PLANING AND APPLICATION OF WEARING COURSE.
  - REMOVE AND REPLACE ASPHALT CONCRETE TO EDGE OF GUTTER OR EDGE OF PAVEMENT WHERE 'B' IS LESS THAN 36"
  - COMPACTION OF NATIVE AND BACKFILLED SUBGRADE MATERIAL SHALL MEET 95% RELATIVE DENSITY.
  - ASPHALT CONCRETE SHALL BE PLACED IN LIFTS NOT TO EXCEED 4-INCHES THICK. STREETS SLURRY SEALED OR OVERLAYED IN THE PAST FIVE YEARS REQUIRE SPECIAL STREET RESTORATION. REPAIR SHALL BE TO THE FULL STREET WIDTH OR AS APPROVED BY THE ENGINEER.
  - NOTIFY ENGINEER PRIOR TO PAVING IF EXISTING PAVEMENT THICKNESS EXCEEDS 6-INCHES.
  - ALL ASPHALT CONSTRUCTION SHALL BE PER STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK, LATEST EDITION). WEARING COURSE SHALL BE TYPE III-C3-PG 64-10.
  - TACK COAT ALL SURFACES TO BE PAVED AND ADJACENT SURFACES TO BE PAVED AGAINST WITH EITHER SS-1H EMULSIFIED ASPHALT OR PG 64-10 PAVING ASPHALT.
  - APPLY A 4" WIDE BAND OF TACK COAT CENTERED ON THE VERTICAL JOINT ALONG THE PERIMETER OF TRENCH REPAIR.

CITY OF LAGUNA BEACH PUBLIC WORKS DEPARTMENT			
REV.	DATE	TRENCH PAVEMENT RESTORATION	STANDARD PLAN 114
		APPROVED BY:	03/29/2022
		MARK A. TRESTIK, CITY ENGINEER, R.C.E. 53708	DATE

**DETAIL "B"**  
 TRENCH PAVEMENT RESTORATION  
 CITY OF LAGUNA BEACH STD. PLAN NO. 114  
 NOT TO SCALE



NO.	DATE	DESCRIPTION	APP'D	DATE



**PREPARED BY:**  
  
 ANASTASIA CANZONIERI, C86541  
 DATE: 5/5/2023

**REVIEWED FOR D.R.B. CONFORMANCE BY:**  
 FIRST LAST DATE  
 RECOMMENDED BY: ASSIST. DIR. OF PUBLIC WORKS  
 THOMAS PEREZ, P.E. DATE

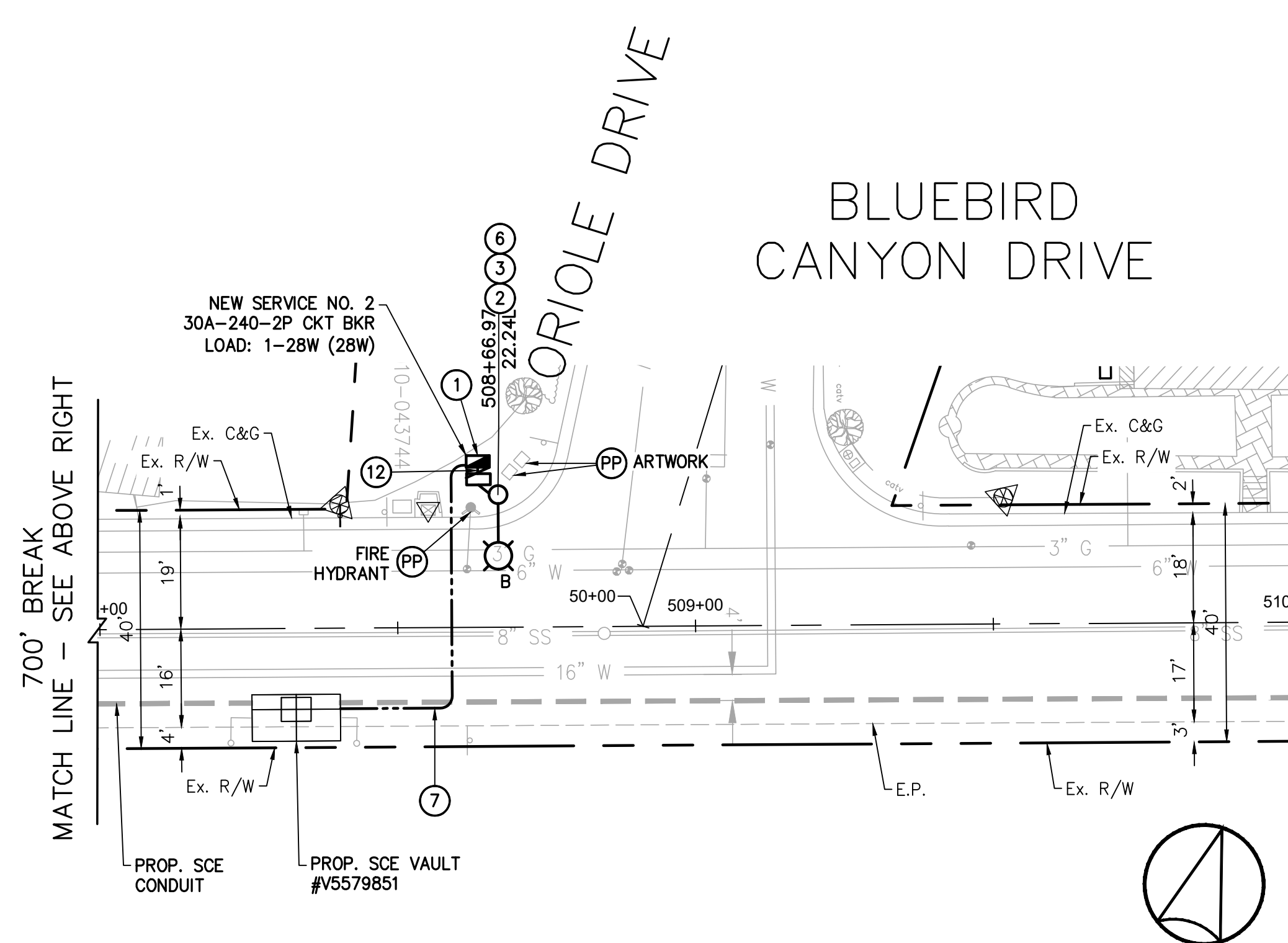
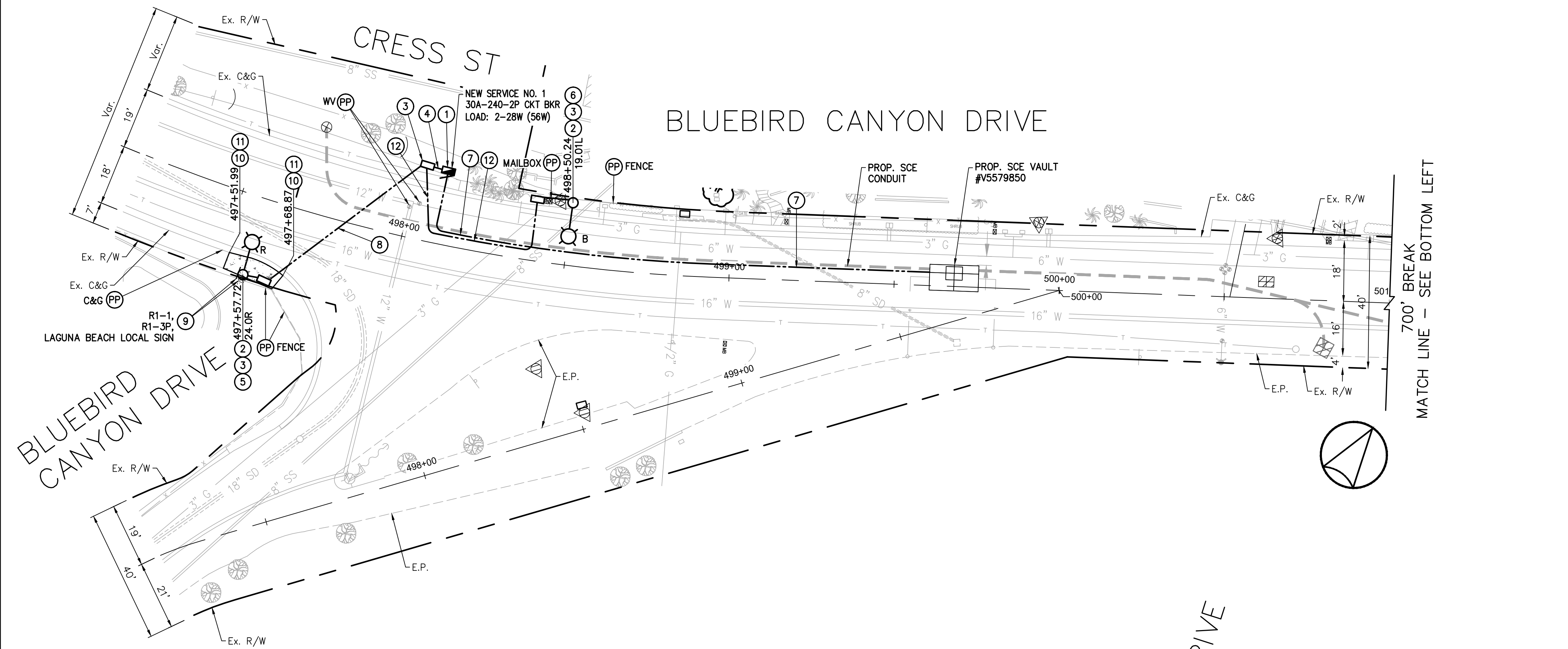
**APPROVED BY:**  
 SEE SHEET 1 FOR APPROVAL  
 MARK A. TRESTIK, P.E., RCE 53708  
 CITY ENGINEER DATE



**CITY OF LAGUNA BEACH**  
 PUBLIC WORKS DEPARTMENT  
 UNDERGROUND UTILITY DISTRICT 2020-2  
 BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT  
**DETAIL SHEET**

SHEET  
 2  
 OF  
 3

UNDERGROUND UTILITY DISTRICT 2020-2 BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT

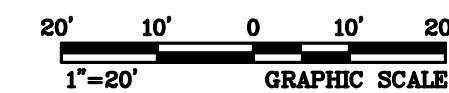


**LEGEND:**

- PROPOSED STREET LIGHT. SEE EQUIPMENT SCHEDULE HEREON FOR MANUFACTURER AND CATALOG NUMBER INFORMATION.
- PROPOSED TYPE III-BF SERVICE ENCLOSURE.
- PROPOSED #5 STREET LIGHTING PULL BOX.
- 3# WIRES (2" PROPOSED SCHEDULE 80 PVC CONDUIT WITH 1-BLACK, 1-RED, 1-WHITE) AND 1#8 WIRE (1-GREEN) UNLESS OTHERWISE INDICATED. SEE GENERAL NOTE 3.
- STATION DISTANCE FROM CL TO ELECTROLIER
- PROPOSED PCC (CONCRETE)
- EXISTING POWER POLE TO BE REMOVED

**CONSTRUCTION NOTES**

- 1 INSTALL TYPE III-BF SERVICE EQUIPMENT ENCLOSURE PER CATRANS STD. PLAN ES-2E WITH 120/240V SERVICE METER WITH 100 AMP MAIN CIRCUIT BREAKER AND 2-POLE-30A-120/240V BREAKER. CONTRACTOR SHALL CONTACT SCE PLANNER STEVE HOFFMAN AT (949) 458-4452 PRIOR TO START OF WORK.
- 2 INSTALL 30' STREET LIGHT POLE WITH 40 WATT LED STREET LUMINAIRE. SEE DETAIL "A" ON SHEET 2.
- 3 INSTALL NEW NO. 5 PULL BOX.
- 4 INSTALL NEW 2" PVC CONDUIT AND 3-#8 WIRES (1-BLACK, 1-RED, 1-WHITE) AND 1#8 (1-GREEN).
- 5 INSTALL NEW 1" GALVANIZED RIGID STEEL CONDUIT AND 3-#10 WIRES (1-RED, 1-WHITE, 1-GREEN).
- 6 INSTALL NEW 1" GALVANIZED RIGID STEEL CONDUIT AND 3-#10 WIRES (1-BLACK, 1-WHITE, 1-GREEN).
- 7 SERVICE CONDUIT AND WIRES CONNECTING TO SCE VAULT TO BE CONSTRUCTED BY OTHERS.
- 8 INSTALL NEW 2" PVC CONDUIT WITH 2-#8 WIRES (1-RED, 1-WHITE) AND 1-#8 (1-GREEN). ASPHALT RESTORATION SHALL BE PER CITY OF LAGUNA BEACH STANDARD PLAN NO. 114 (SEE DETAIL "B" ON SHEET 2).
- 9 RELOCATE EXISTING SIGN TO NEW POLE (STRAP AND SADDLE BRACKET METHOD).
- 10 REMOVAL LIMIT. SAWCUT ASPHALT AND REMOVE TO THE LIMITS SHOWN ON THIS PLAN AND NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL REMOVALS SHALL BE DISPOSED OF BY THE CONTRACTOR.
- 11 CONSTRUCT 4" P.C.C. SIDEWALK PER CITY OF LAGUNA BEACH STANDARD PLAN NO. 107.
- 12 INSTALL NEW 2" PVC CONDUIT AND 2-#8 WIRES (1-BLACK, 1-WHITE) AND 1#8 (1-GREEN). ASPHALT RESTORATION SHALL BE PER CITY OF LAGUNA BEACH STANDARD PLAN NO. 114 (SEE DETAIL "B" ON SHEET 2).
- PP PROTECT IN PLACE.



**REVISIONS**

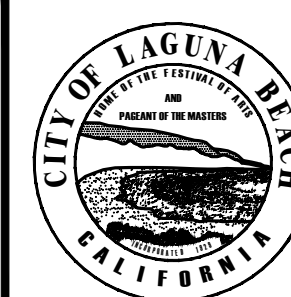
NO.	DATE	DESCRIPTION	APP'D	DATE



PREPARED BY:  
  
 ANASTASIA CANZONIERI, C86541  
 CIVIL  
 2141 W. Chagrinwood Ave., Suite A  
 Orange, California 92668  
 Tel: (714) 573-0317 Fax: (714) 573-9534

REVIEWED FOR D.R.B. CONFORMANCE BY:  
 THOMAS PEREZ, P.E. DATE

APPROVED BY:  
 SEE SHEET 1 FOR APPROVAL  
 MARK A. TRESTIK, P.E., RCE 53708  
 CITY ENGINEER DATE



**CITY OF LAGUNA BEACH**  
 PUBLIC WORKS DEPARTMENT  
 UNDERGROUND UTILITY DISTRICT 2020-2  
 BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT  
 STREET LIGHTING PLAN

SHEET  
 3  
 OF  
 3

UNDERGROUND UTILITY DISTRICT 2020-2 BLUEBIRD CANYON DRIVE STREET LIGHTING PROJECT