AMERON NOTES AND SPECIFICATIONS

"P" LEVEL CONFIG CODES			"P" LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO.	OPTION CLASS	ENTRY	INFO.
COATING	1	-	MIC	M	-
HH COVER	454SRPA	"LV"	FINISH	2	-
DOOR BOSS	TMP	-	BASEPLATE	45442	NOTE #8
DRILL #1 MOD	MOD8SRS	-	POLE TOP-CON.	MOD60	-

DECORATIVE BASE OCTAGONAL BASE PLATE POLE

POLE DESIGN	POLE HEIGHT ABOVE GRADE	ORDINAL LENGTH	BOLT CIRCLE	BASE O.D.	ULTIMATE STRENGTH (LF-CABS)	POLE WEIGHT (LBS)
601/21	32'-10"	37'-1"	21"	18"	16,400	1,250

(1) POLES REQUIRED, EACH WITH 4 X 8 8" DOUBLE ALUMINUM LMA
SINGLE BELL RECEPTACLE (P/N: T.B.D.) & TAMPER
PROOF WRENCH (P/N: 46198)

NOTES:

1. MIC (1210): BLACK, EXPOSED AGGREGATE FINISH WITH AMERSHIELD ANTI-GRAFFITI COATING.
2. Fc @ 28 DAYS = 6,000 PSI, USING SPIN CYLINDER TEST.
3. Fc @ 28 DAYS = 6,000 PSI USING ASTM C-31 CYLINDER TEST.
4. POLES MANUFACTURED PER ASTM C-1089-00 SPECIFICATIONS.
5. BASEPLATE ASTM A-36 FULLY PRESTRESSED WITH (8) 5/16" DIA. A-416 WIRES (7-STRAND CABLES).
6. PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
7. LMA IS DESIGNED TO ROTATE TO ANY OCTAGONAL FLATS PER CUSTOMER'S REQUIREMENTS.
8. POLE SHOWN IS SUITABLE FOR CAPPED BASE PLATE (ENCASED IN CONCRETE), OTHERWISE, OTHER NON-CAPPED INSTALLATION REQUIRED A GALVANIZED BASE PLATE.
9. THE 8" DOUBLE TOP MOUNT ALUMINUM DECORATIVE S-ARM PIPE LMA ASSEMBLY (NOT TO EXCEED UP TO, 1.74 SQ.FT. EPA, 12 LBS. PER SIDE) DEPICTED ON THIS DRAWING IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY (2) GE DECORPRISE FULL LUMINAIRES (NOT TO EXCEED 1.0 SQ. FT. EPA, 46 LBS. EACH, ONE PER SIDE) THE POLE DEPICTED IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY TO TOP MOUNT LMA, THE (2) LUMINAIRES & (8) 10" X 48" BANNERS OBSERVING NO HIGHER THAN 10'-0" ABOVE GRADE, AS DESIGNED PER THE 2006 AASHTO LTS-4 & A WIND SPEED OF 90 MPH WIND ZONE (3-SECOND GUSTS). PLEASE ADVISE IF THE INTENDED LOADING EXCEEDS THESE VALUES.

STRESSCRETE NOTES AND SPECIFICATIONS

POLE SPECIFICATIONS:

CATALOGUE NO.:	RHR21-0-E11-F6P-CW 140-35/26
SECTION:	OCTAGONAL
COLOUR:	ECLIPSE
FINISH:	STO-KED
POLE LENGTH:	31'-0"
POLE TOP:	7 3/10" FLP'L
POLE BUTT:	18" FLAT.
APPROX. WGT.:	1,010.4
QUANTITY:	1 UP @
MIN. RACKWAY:	

ARM SPECIFICATIONS:

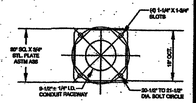
CATALOGUE NO.:	XA89-T-039-2
QUANTITY:	
MATERIAL:	ALUMINUM
PAINT:	BE86-GLOSS BLACK

COATINGS REQUIRED:

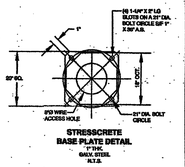
- 1 COAT ANTI-GRAFFITI
FULL LENGTH

NOTES:

1. MIX ECLIPSE BLACK, EXPOSED AGGREGATE FINISH WITH JOHNS BLAIR ANTI GRAFFITI COATING.
2. Fc @ 28 DAYS = 6,000 PSI, USING ASTM C-31 CYLINDER TEST.
3. POLES MANUFACTURED PER ASTM C-1089-00 SPECIFICATIONS.
4. BASEPLATES ASTM A-36 WELDED BY CERTIFIED WELDERS.
5. PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
6. LMA IS DESIGNED TO ROTATE TO ANY OCTAGONAL FLATS PER CUSTOMER'S REQUIREMENTS.
7. POLE SHOWN IS SUPPLIED WITH 0.6A X. STEEL CAPPED BASE PLATE FOR CAPPED OR NON-CAPPED INSTALLATION.
8. THE 8" DOUBLE TOP MOUNT ALUMINUM DECORATIVE (S-ARM PIPE) LMA ASSEMBLY (NOT TO EXCEED UP TO, 1.74 SQ. FT. EPA, 10 LBS. PER SIDE) DEPICTED ON THIS DRAWING IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY GARDCO CROSSTOWN (2) LUMINAIRES (8) 10" X 48" BANNERS DEPICTED IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY THE TOP MOUNT LMA AND THE (2) LUMINAIRES, AS DESIGNED PER THE 2006 AASHTO LTS-4 & A 90MPH WIND ZONE (3-SECOND GUSTS).
9. STRESSCRETE POLE WARRANTY - LIFETIME.



AMERON BASE PLATE DETAIL
N.T.S.



STRESSCRETE BASE PLATE DETAIL
P/N: 6A21K-3132L
N.T.S.

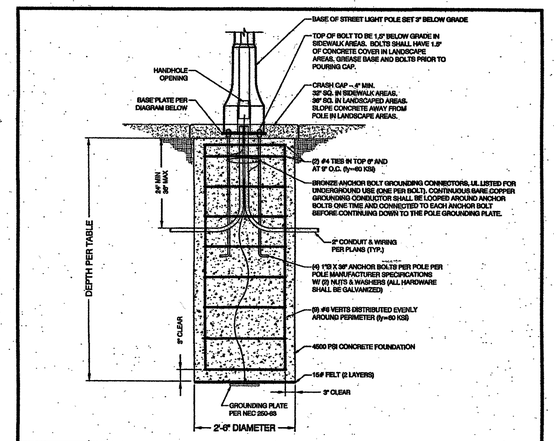
SPECIFICATION REFERENCE	
501	PORTLAND CEMENT CONCRETE
623	TRAFFIC SIGNALS & STREET LIGHTING

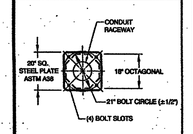
AGENCY APPROVED | L

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

CITY OF LAS VEGAS
STREET LIGHT NOTES AND SPECIFICATIONS
(AMERON AND STRESSCRETE)

DATE 11-8-17 | DWG. NO. 342.1





BASE DIAGRAM

BASE PLATES SHALL BE PER POLE MANUFACTURER SPECIFICATIONS

FOUNDATION DEPTH

POLE & ARM CONFIGURATION	SOIL TYPE: SAND/GRAVEL (ϕ=30°, γ=110pcf)	STIFF CLAY (C=1.0)	MEDIUM CLAY (C=0.50)	SOFT CLAY (C=0.25)
21' TALL WITH 1 OR 2 ARMS UP TO 10' EACH	5'-3"	6'-6"	7'-4"	9'-6"
26' TALL WITH 1 ARM UP TO 12'	5'-9"	6'-9"	7'-8"	8'-6"
30' TALL WITH 2 ARMS UP TO 12' EACH	6'-3"	7'-3"	8'-4"	10'-0"

NOTES:
1. C = COHESION MEASURED IN KIPS PER SQUARE FOOT.
2. CONTRACTOR SHALL DETERMINE SOIL TYPE BY TAKING UNDISTURBED SAMPLES AS REQUIRED BY THE CITY ENGINEER.
3. ANALYSIS BY PROFESSIONAL STRUCTURAL ENGINEER ON FILE WITH CITY ENGINEER.

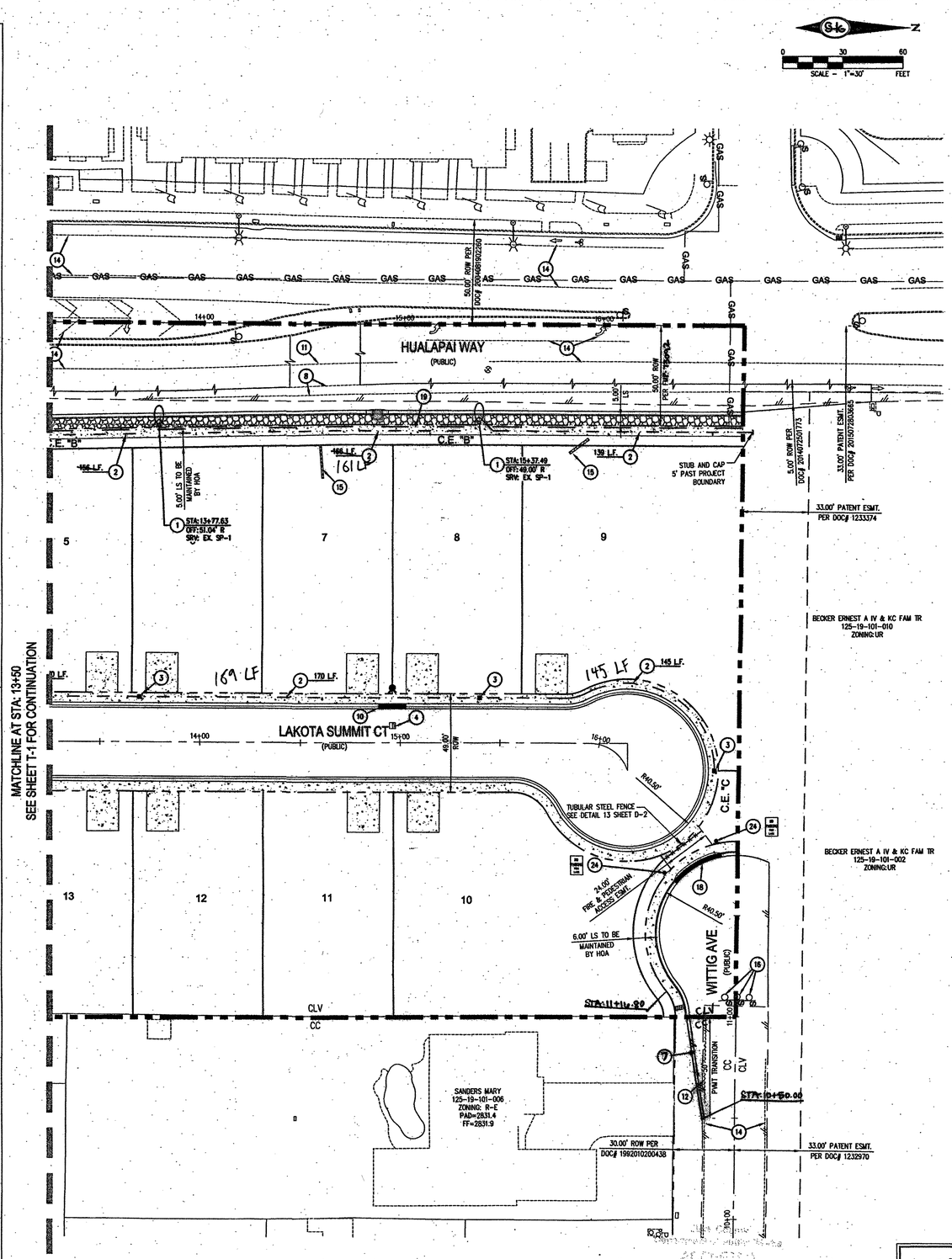
AGENCY APPROVED | L

SPECIFICATION REFERENCE	
501	PORTLAND CEMENT CONCRETE
623	TRAFFIC SIGNALS & STREET LIGHTING

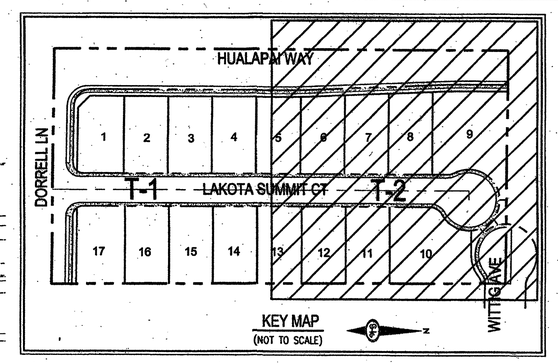
UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

CITY OF LAS VEGAS
STREET LIGHT POLE FOUNDATION
FOR DOWNTOWN CENTENNIAL
AND TOWN CENTER AREAS

DATE 11-8-17 | DWG. NO. 343



WMM 7/23/18



TRAFFIC NOTES

1. INSTALL LED STREETLIGHT "OPL" FOR 100' ROW PER CCAUSD NO. 300.S3, 320 & 321
2. INSTALL 1-1/4" PVC STREETLIGHT CONDUIT W/ 2-#4 AND 1-#8 GND. AVOIDING FIRE HYDRANTS WHERE NEEDED
3. INSTALL NO. 3-1/2 PULL BOX PER CCAUSD NO. 326
4. INSTALL BLUE REFLECTIVE RAISED PAVEMENT MARKERS PER 2009 IFC APPENDIX C, SECT C107.1
5. INSTALL 30" STOP SIGN (R1-1) W/9" STREET NAME SIGN (D-3, TWO PER POLE)
6. INSTALL 30" STOP SIGN (R1-1) W/12" STREET NAME SIGN (D-3, TWO PER POLE)
7. INSTALL 8" SOLID WHITE LINE PER CCAUSD NO. 244.4 & 244.9
8. EXISTING BIKE LANE STRIPING PER CCAUSD NO. 244.2 AND 244.9 TO BE REPLACED
9. EXISTING STRIPING TO BE OBLITERATED
10. PAINT CURB RED 15' EACH SIDE OF FIRE HYDRANT FOR A TOTAL OF 30' (CURB LENGTH PERMITTING)
11. LANE LINE STRIPING TO BE REPLACED
12. EXISTING STRIPING TO BE OBLITERATED
13. EXISTING SIGN TO BE REMOVED AND RETURNED TO CLV
14. EXISTING STRIPING TO REMAIN
15. EXISTING MARKETING SIGN TO BE REMOVED
16. EXISTING SIGNS TO BE REMOVED, RETURNED TO CLV, AND REPLACED WITH TYPE IIIA BARRICADES WITH END OF ROAD MARKERS PER CCAUSD NO. 601
17. INSTALL TYPE 4 LANE LINE PER CCAUSD #244.1
18. PAINT CURB RED ACROSS ENTIRE FIRE ACCESS DRIVEWAY
19. 4" F.A.S.T. INTERCONNECT CONDUIT CONTAINING 1-#8 BARE WIRE. AVOIDING FIRE HYDRANTS WHERE NEEDED.
20. STREET LIGHT AND TRAFFIC CONTROL DEVICE EASEMENT
21. RELOCATE EXISTING 36" STOP SIGN
22. SEE TYPICAL TRAFFIC SIGNAL UNDERGROUND DETAIL ON SHEET T-1 FOR CONDUIT CONNECTIONS
23. INSTALL TYPE XX-A-30 POLE PER UDS #808 OR #810
24. INSTALL "NO PARKING FIRE LANE" SIGN
25. FIELD VERIFY STUB, REMOVE CAP, CONNECT TO EXISTING AND INSTALL NO. 3-1/2 PULL BOX PER CCAUSD NO. 326
26. INSTALL NO. 5 PULL BOX PER CCAUSD NO. 326
27. INSTALL NO. 7 PULL BOX PER CCAUSD NO. 326
28. INSTALL 1A POLE PER TYPICAL INTERSECTION DETAIL ON T-1
29. INSTALL INTERSECTION LIGHTING AND TRAFFIC SIGNAL CONDUIT

TRAFFIC LEGEND

- MAIN ST — STREET NAME SIGN (D-3, 2 PER POLE) SIZE PER PLAN
- STOP — STOP SIGN W/POST (R1-1) SIZE PER PLAN
- NO PARKING FIRE LANE — NO PARKING ANYTIME SIGN (R8-31)
- TRAFFIC SIGN (AS INDICATED)
- EXISTING TRAFFIC SIGN
- REFLECTIVE RAISED PAVEMENT MARKERS
- SIGHT VISIBILITY ZONE
- NO. 3-1/2 PULL BOX (STREET LIGHT)
- PROPOSED TYPE 3B STREETLIGHT
- 1 1/4" STREETLIGHT CONDUIT

SEE SHEET C-3 FOR LEGEND, ABBREVIATIONS, & QUANTITIES

TRAFFIC GENERAL NOTES

1. REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS AND/OR PAVEMENT MARKINGS), UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITIES TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL WILL BE AN APPROVED EQUIVALENT.

2. IN THE EVENT THAT THE TRAFFIC SIGNAL CONDUITS, LOOP DETECTORS OR ASSOCIATED EQUIPMENT ARE DAMAGED BY CONTRACTOR, THE CONTRACTOR WILL HIRE AN IMSA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATION NO. 623.G.01.02

3. ALL SEWER/ STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

4. THE CONTRACTOR IS TO VERIFY THE ACTUAL FIELD CONDITIONS OF ALL LOTS AND INSTALL SEWER CHECK VALVES WHERE REQUIRED PER THE LATEST EDITION OF THE UNIFORM PLUMBING CODE.

5. FITTINGS SHALL NOT FALL UNDER CURBS, GUTTERS OR SIDEWALK.

RAMP TRANSITION LENGTHS

RAMP NO.	GRADE % "B" TO "A"	"A" (FT) MIN.	"B" (FT) MIN.
1	-6 TO -5.01	4.5'	21.5'
2	-5 TO -4.01	4.5'	15.0'
3	-4 TO -3.01	4.5'	12.0'
4	-3 TO -2.01	4.5'	9.5'
5	-2 TO 2	8.0'	8.0'
6	2.01 TO 3	9.5'	4.5'
7	3.01 TO 4	12.0'	4.5'
8	4.01 TO 5	15.0'	4.5'
9	5.01 TO 6	21.5'	4.5'

BASIS OF BEARINGS

NORTH 00°08'16" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW1/4) OF SECTION 19, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 123, PAGE 32 OF SURVEYS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

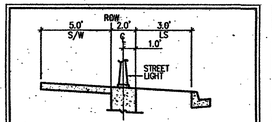
BENCHMARK

BENCHMARK NUMBER: 6LY9019NWW6

RIVET AND PLATE IN A LYNND CONCRETE PAD AT THE NORTHEAST CORNER OF DORRELL LANE & HUALAPAI WAY.

ELEVATION = 2834.10 FEET, 863.834 METERS
N.A.V.D. 88 DATUM

PER THE CITY OF LAS VEGAS BENCHMARKS – 2008 ADJUSTMENT (UPDATED 05/24/2010)



A. STREETLIGHT LOCATION DETAIL
NOT TO SCALE

LAS VEGAS FIRE AND RESCUE FIRE DEPARTMENT
APPROVED
BY: 6/19/18
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW 1,750 GPM AT 20 P.S.I. RESIDUAL.

FAST — Call Before you UnderGround 1-702-432-5300 FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION (F.A.S.T.)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DO OVERHEAD 1-702-227-2929

Call before you Dig. AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call 811 OR 1-800-227-2600

CCPW18-13023

SLATER HANIFAN GROUP
CONSULTING ENGINEERS & PLANNERS
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-5399

NO.	DESCRIPTION	DATE	BY	APP. DATE	APP.

CITY OF LAS VEGAS, NEVADA

RICHMOND AMERICAN HOMES

CONNOR HILLS 3
TRAFFIC PLAN II

S 19 T 19 R 60 E

DATE: 6/5/18
DRAFTER: SS
DESIGNER: SS
CHECKED: KMB

PROJECT NO.
RAH1701

PROFESSIONAL ENGINEER - STATE OF NEVADA
KEVIN M. BROSS
Exp. 12/31/2018
CIVIL
No. 24572
6/19/18

T-2
SHEET 16 OF 25

L18-00373
10775079

\rah1701 connor hills 3\dwg\mercov\rah1701 t1.dwg 6/15/2018 2:12 PM Emily Hoy