

DEPARTMENT OF PUBLIC WORKS

Mayor:
CAROLYN G. GOODMAN

City Council:
STEVEN D. ROSS (Mayor Pro-Tem)
LOIS TARKANIAN
RICKI Y. BARLOW
STAVROS S. ANTHONY
BOB COFFIN
BOB BEERS

City Manager:
ELIZABETH N. FRETWELL

Director of Public Works:
DAVID N. BOWERS, P.E., P.T.O.E.

City Engineer:
ALLEN E. PAVELKA, P.E.

Funded By:
CITY OF LAS VEGAS



AS BUILT
DRAWINGS

May Construction *Allen Pavelka*

Reviewed By:

Allen Pavelka 10-20-15
CLV CITY ENGINEER DATE

James Spentoff 10/20/15
CLV PROJECT MANAGER DATE

Josua Wadell 10/15/15
CLV CITY TRAFFIC ENGINEER (ACTING) DATE

D. Ellame 10/20/15
CLV CONSTRUCTION MANAGER DATE

N/A
SOUTHWEST GAS CORPORATION DATE

Central Telephone Company 10/15/15
CENTRAL TELEPHONE COMPANY d/b/a CENTURYLINK DATE
THE AFFIXED NEVADA APPROVAL DOES NOT ASSUME OR GUARANTEE
LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR
PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE
ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED
STATUTES AND/OR PUBLIC UTILITY COMMISSION STANDARD
REGULATIONS.

N/A
COX COMMUNICATIONS LAS VEGAS, INC. DATE

Barbara Garrison 10-15-15
NV ENERGY - DISTRIBUTION DATE
NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND
WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH
THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY
EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS
COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY
CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC
UTILITY COMMISSION'S RULES AND REGULATIONS.

N/A
NV ENERGY - TRANSMISSION DATE

APPROVED FOR CONSTRUCTION

N/A
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT# 123521
SHEETS: CV, GN (NO NEW FACILITIES)

FY2013 DOWNTOWN DUAL ARM STREETLIGHTS REPLACEMENT

THE SIGNATURE ABOVE ACKNOWLEDGES THAT THE UTILITY COMPANY REPRESENTATIVE HAS REVIEWED THE PLANS, AND THAT TO THE BEST OF HIS OR HER KNOWLEDGE THE UTILITY LINES ARE SHOWN IN THE CORRECT LOCATIONS AND ARE THE CORRECT SIZES. WHILE SUCH DATA HAS BEEN COLLECTED WITH REASONABLE CARE, THERE IS NO EXPRESSED OR IMPLIED GUARANTEE THAT THE LOCATIONS ARE EXACT. THE CONTRACTOR SHALL BEAR THE RESPONSIBILITY OF OBTAINING THE ACTUAL FIELD LOCATIONS.

THE SIGNATURE ABOVE FURTHER ACKNOWLEDGES THAT THE UTILITY COMPANY DOES NOT ANTICIPATE CONSTRUCTION OR MAINTENANCE IN THE PROJECT AREA FOR FIVE (5) YEARS IN CONFORMANCE WITH THE CLV NO-CUT POLICY.

NO.	DATE	SHEET	REVISIONS

PREPARED BY: DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT

CITY OF LAS VEGAS
BID# 15-46348
DESIGNED BY: GJJ
DRAWN BY: GJJ
CHECKED BY: LLD

DATE: AUGUST 2015
SUBMITTAL STAGE: 100% - FINAL

TITLE: FY2013 DOWNTOWN DUAL ARM STREETLIGHTS REPLACEMENT
SHEET: COVER SHEET

PROFESSIONAL ENGINEER - STATE OF NEVADA
ALLEN E. PAVELKA
No. 019107

SHEET: CV
1 of 8
DRAWING NO. 207-V257

10/14/15 F:\PW_ENG_DESIGN\DESIGN\DOWNTOWN\STREETLIGHTS_46348\1. DESIGN\DDSL_100_082415-PHI.DWG

CITY OF LAS VEGAS GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST EDITION. THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION, THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION, PRIOR TO THE USE ON THE PROJECT.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
- AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.
- CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR-TENTHS OF ONE PERCENT SHALL BE WATER-TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED PER USD 216.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER USD 235, CASE I. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY CITY PROJECT REPRESENTATIVE.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE AFFECTED UTILITY COMPANY AND THE CITY ENGINEER.
- ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE CLV BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHTS OF WAY.
- CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, SEWER CLEANOUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MDT AND CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
- WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
- SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PROJECT ACCEPTANCE. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION MAPS MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINITIES OF +/- 0.03 METER (+/- 0.1 FEET) HORIZONTALLY AND +/- 0.015 METER (+/- 0.05 FEET) VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
- CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.
- A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REV. DATE SEPTEMBER 5, 2012 (CPM VERSION)

CITY OF LAS VEGAS TRAFFIC NOTES

- ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
- THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
- BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FINAL GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
- WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL BE FABRICATED WITH DIAMOND GRADE WP CLASS 6 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL NEW TRAFFIC SIGNS SHALL HAVE A CERTIFIED STREET NAME AND SCHOOL SPEED LIMIT SIGNS, SHALL HAVE 3M SERIES 1160 OR APPROVED EQUIVALENT ANTI-GRAFFITI PROTECTIVE OVERLAY FILM; SCHOOL ZONE SIGNS SHALL HAVE 3M SERIES 1150 ANTI-GRAFFITI PROTECTIVE OVERLAY FILM. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
- WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
- ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
- WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
- GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
- ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECT'S OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

REVISED 05/05/2008

CITY OF LAS VEGAS STREET LIGHT NOTES


- ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION.
- NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC AND CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623 OF THE SPECIFICATIONS.
- ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
- ALL EMPTY CONDUIT SHALL HAVE PULL STRINGS AND A #6 AWG TRACER WIRE INSTALLED PER SECTION 623.02.01 OF THE SPECIFICATIONS PRIOR TO BACKFILLING AND FINAL INSPECTION.
- ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE IN COMPLIANCE WITH USD NO. 320A WHEN POLE IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
- AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE TRAFFIC ENGINEERING DIVISION PRIOR TO ANY PRE-FINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
- SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT OR AS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL FURNISH COMPLETE CONDUIT, WIRE, ETC. FROM SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
- ALL STREET LIGHTING AND TRAFFIC SIGNAL EQUIPMENT REMOVED AND / OR DESIGNATED TO BE SALVAGED SHALL BE DELIVERED BY THE CONTRACTOR TO THE APPROPRIATE CLV SERVICE YARD WITH A MEANS TO UNLOAD. A MINIMUM 24-HOUR NOTICE OF DELIVERY IS REQUIRED. CALL 229-6331 TO SET UP DELIVERY TIME AND LOCATION. REPAIR OF ANY DAMAGE TO EQUIPMENT DURING THIS PROCESS WILL BE THE CONTRACTOR'S RESPONSIBILITY, AT NO ADDITIONAL COST TO THE CITY.

REV. DATE FEBRUARY 10, 2010

LVVWD STANDARD NOTES

- LVVWD PROJECT # 123521
- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT# IDENTIFIED ABOVE.
 - ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
 - ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
 - A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
 - ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
 - ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
 - ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
 - ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
 - ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.
 - THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
 - ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
 - ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
 - TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600
 - THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL FACILITIES WILL INCLUDE THE PLACEMENT OF ANY APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

APPROVED FOR CONSTRUCTION

 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE: PROJECT# 123521

RTC NOTES

- THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO CONSECUTIVE BUS STOPS ON THE SAME SIDE OF THE STREET. TEMPORARY CLOSURES SHALL BE PWD (PERSONS WITH DISABILITY) ACCESSIBLE. BEFORE ANY BUS STOP CAN BE CLOSED, THE CONTRACTOR SHALL NOTIFY REX FOGLEMAN AT (702) 400-9975 FOR APPROVAL A MINIMUM OF 48 HOURS IN ADVANCE.
- THE CONTRACTOR SHALL PROVIDE A BUS STOP CLOSURE SCHEDULE (BSCS) WITH THE TRAFFIC CONTROL PLAN. THE BSCS SHALL IDENTIFY SPECIFIC DURATIONS AND TIMES OF DAY FOR ALL PROPOSED BUS STOP CLOSURES. BUS STOP CLOSURES ARE NOT TO EXCEED TWO CONSECUTIVE BUS STOPS AT A TIME OR 1,000 FEET AT A TIME. PERSONS WITH DISABILITIES SHALL HAVE ACCESS TO BUS STOPS. THE CONTRACTOR SHALL PROVIDE A 100 FEET LONG X 10 FEET WIDE GRAVELED TURN OUT AT BUS STOPS.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	NTS	NOT TO SCALE
AE	AUTHORIZATION TO ENTER PROPERTY	NVE	NV ENERGY
APPROX.	APPROXIMATE	OHP	OVERHEAD POWER LINE
B/C, BC	BACK OF CURB	PC	POINT OF CURVE
BCR	BACK OF CURB RADIUS	P.I.P.	PROTECT IN PLACE
BM	BENCHMARK	PP	POWER POLE
BT	BOTTOM	PT	POINT OF TANGENCY
BR	BACK OF RAMP	PRC	POINT OF REVERSE CURVE
C	CENTERLINE	PB	PULLBOX
C & G	CURB AND GUTTER	R	PROPERTY LINE
D/W	DRIVEWAY	R	RADIUS
DWG.	DRAWING	RT	RIGHT
ECR	END OF CURB RETURN (AT 8"/2)	R/W, R.O.W.	RIGHT OF WAY
ELEC.	ELECTRIC	SD	STORM DRAIN
EOP, EP	EDGE OF PAVEMENT	SF	SQUARE FOOT
ELEV.	ELEVATION	SS	SANITARY SEWER
EXIST., EX.	EXISTING	STA.	STATION
EXOH	EXISTING OVERHEAD UTILITY	STD	STANDARD
FD	FOUND	SY	SQUARE YARD
FL	FLOWLINE	S/W	SIDEWALK
FG	FINISHED GRADE	T	TELEPHONE LINE
FH	FIRE HYDRANT	TC	TOP OF CURB
FF	FACE OF CURB	TEL	TELEPHONE
G	GAS	TRANS.	TRANSITION
GV	GAS VALVE	T.R.C.	TOP OF RAMP CURB
GW	GUY WIRE	TS	TRAFFIC SIGNAL
INT.	INTERSECTION	TYP.	TYPICAL
IRR	IRRIGATION	US	UNIFORM STD DRAWING
L	LENGTH	USS	UNIFORM STD SPECIFICATIONS
LF	LINEAL FOOT, LINEAR FEET	W	WATER LINE
LT	LEFT	WC	WHEEL CHAIR
MM	MANHOLE	WM	WATER METER
		WV	WATER VALVE
		W/	WITH
		Δ	INCLUDED DELTA ANGLE

LEGEND

	CENTERLINE		STORM DRAIN INLET
	RIGHT OF WAY LINE		STORM DRAIN MH
	PROPERTY LINE		STREET LIGHT
	AUTHORIZATION TO ENTER PROPERTY (AEP)		STREET LIGHT PB
	AREA LIGHT		TELEPHONE MH
	BENCHMARK		TELEPHONE PB
	ELEC. VAULT/CABINET		TRAFFIC SIGNAL POLE
	ELECTRIC MANHOLE		TRAFFIC SIGNAL PB
	ELECTRIC METER		TV PULLBOX
	FIRE HYDRANT		UTILITY POLE
	FOUND MONUMENT		UTILITY POLE GUY WIRE
	GAS METER		UTILITY VAULT
	GAS VALVE		WATER VAULT/CABINET
	IRR. CONTROLLER		WATER MANHOLE
	IRR. VALVE		WATER METER
	LOOP DETECTOR		WATER VALVE
	SANITARY SEWER MH		
	SET MONUMENT		
	SIDEWALK RAMP		
	SIGN		

SURVEY CONTROL:

NO SURVEY WAS PERFORMED FOR THIS PROJECT. THIS PROJECT WAS LAID OUT USING AERIAL IMAGES, GIS INFORMATION AND AREA STREET MAPS.

SHEET INDEX

SHEET/TOTAL SHEETS	SHEET DESIGNATION	SHEET DESCRIPTION
1/8	CV	COVER SHEET
2/8	GN	GENERAL NOTES, ABBREVIATIONS, LEGEND AND SHEET INDEX
3/8	HC	HORIZONTAL CONTROL, KEY MAP AND VICINITY MAP
4/8	IMP1	IMPROVEMENT SHEET 1
5/8	IMP2	IMPROVEMENT SHEET 2
6/8	AD/ALT1	ADDITIVE/ALTERNATE SHEET
7/8	DET1	DETAILS - 1
8/8	DET2	DETAILS - 2



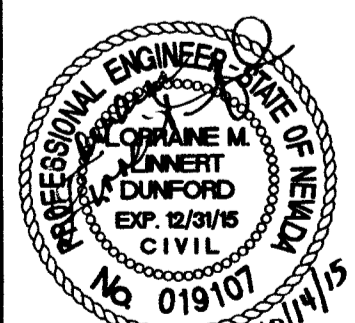
DEPARTMENT OF PUBLIC WORKS
 CAPITAL PROJECT MANAGEMENT

PREPARED BY: CITY OF LAS VEGAS	DESIGNED BY: GJJ
DATE: AUGUST 2015	DRAWN BY: GJJ
SUBMITTAL STAGE: 100% - FINAL	CHECKED BY: LLD

AS BUILT DRAWINGS

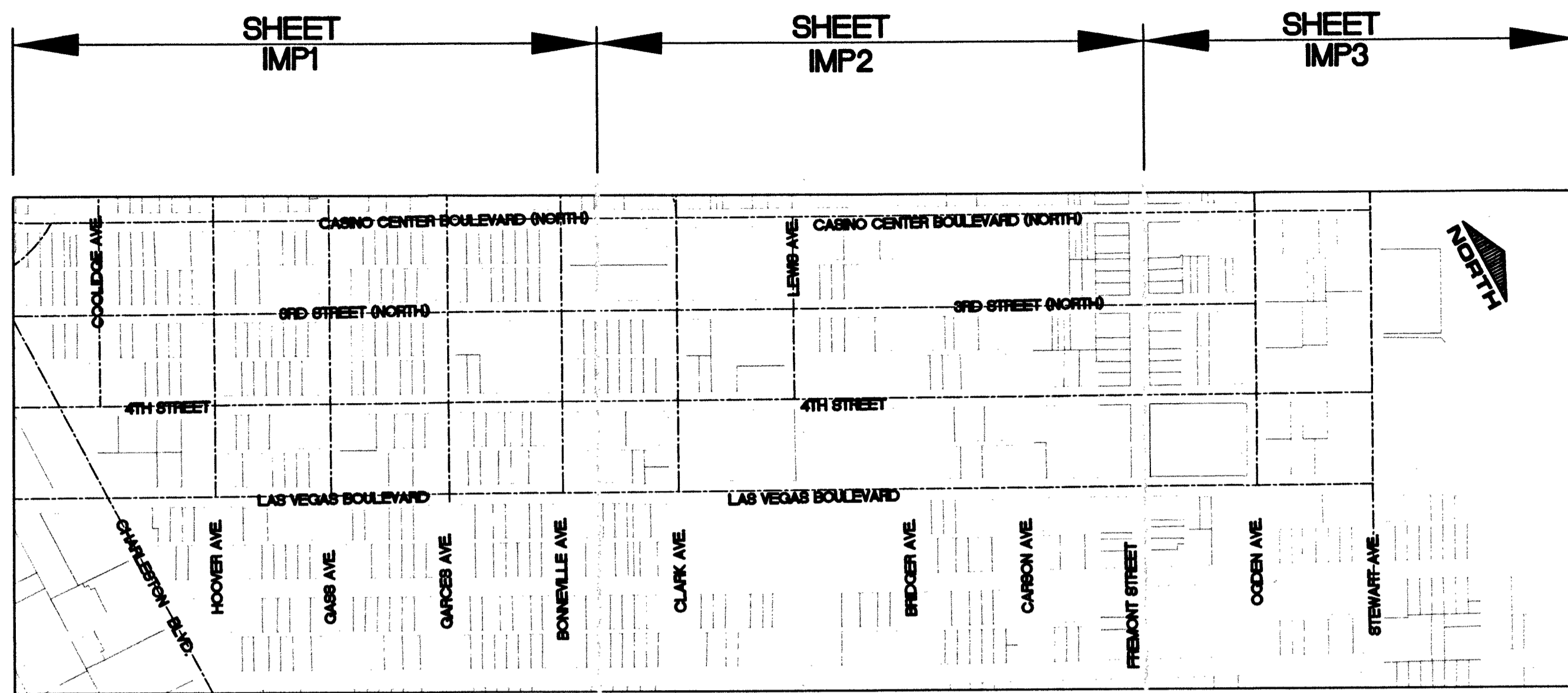
Mr. Construction *Matt Kaut*

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
	F.A.S.T.	702-432-5300
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929



SHEET
GN
 2 of 8
 DRAWING NO. 207-V257

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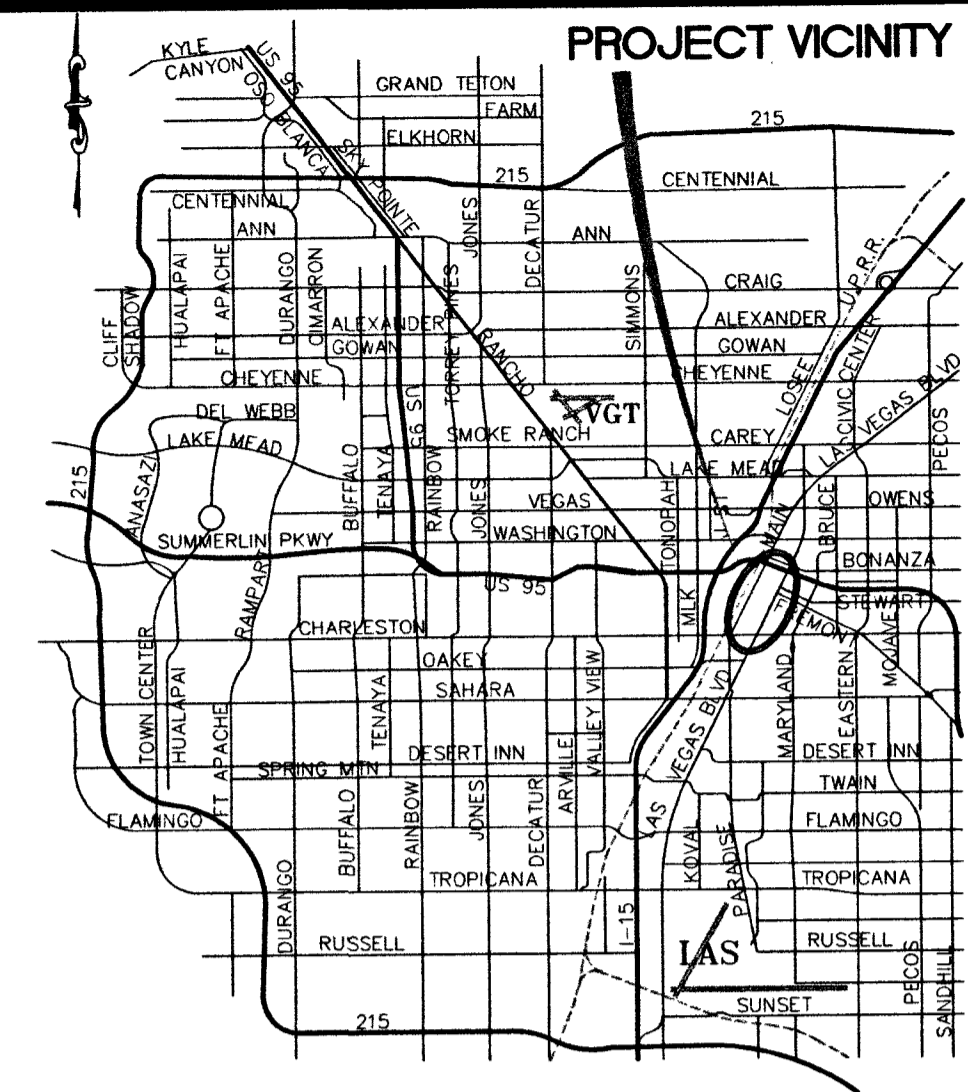
KEY MAP
NOT TO SCALE

CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-228-8611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

UTILITY INFORMATION:
NO ROADWAY CUTTING OR EXCAVATION WILL BE PERFORMED WITH THIS PROJECT. THIS PROJECT WILL CONSIST OF REPLACEMENT OF EXISTING STREETLIGHTS WITH NEW DUAL ARM STREETLIGHTS UTILIZING EXISTING FOUNDATIONS. THE NEW POLES ARE APPROXIMATELY 4' SHORTER.

SURVEY CONTROL:
NO SURVEY WAS PERFORMED FOR THIS PROJECT. THIS PROJECT WAS LAID OUT USING AERIAL IMAGES, GIS INFORMATION AND AREA STREET MAPS.

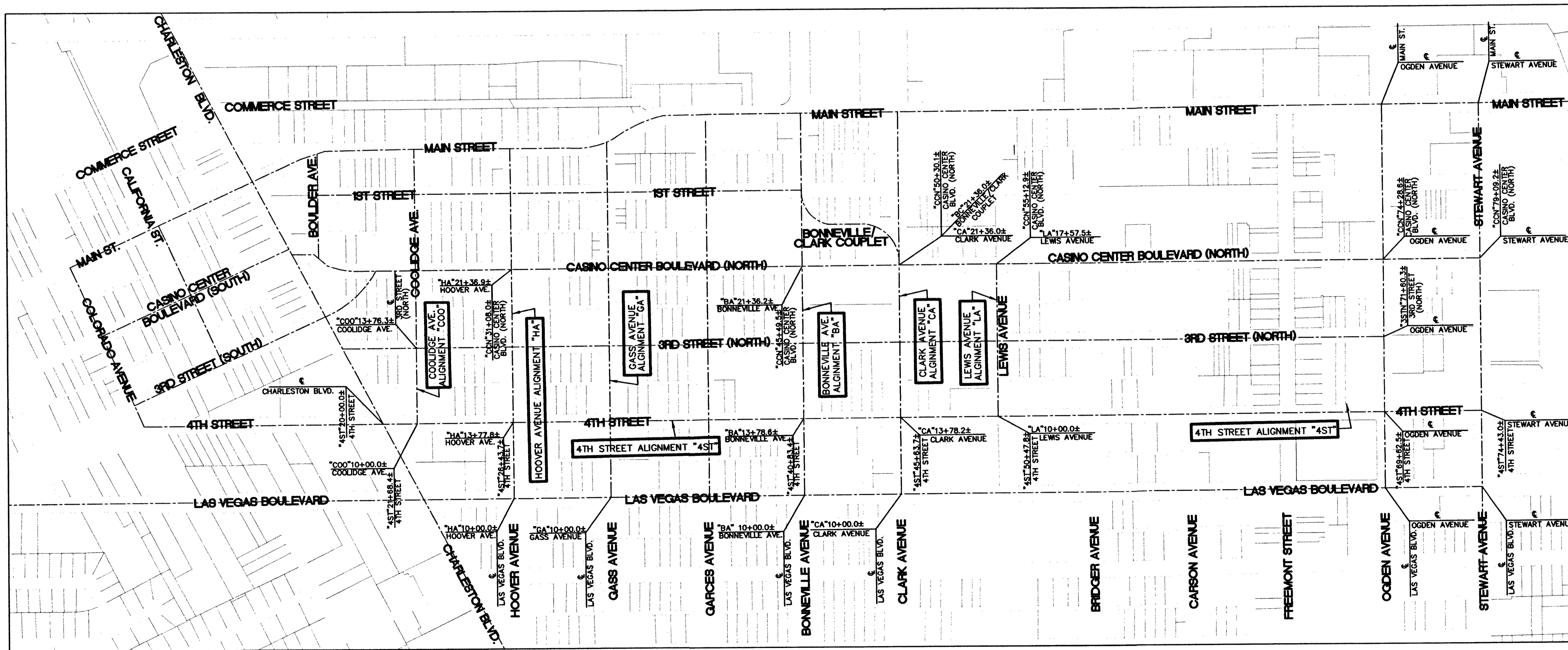
ALIGNMENT ABBREVIATIONS:
 *3STN - CL 3RD STREET (NORTH) ALIGNMENT
 *4ST - CL 4TH STREET ALIGNMENT
 *COO - CL COOLIDGE AVENUE ALIGNMENT
 *HA - HOOVER AVENUE ALIGNMENT
 *GA - CENTERLINE GASS AVENUE ALIGNMENT
 *BA - CL BONNEVILLE AVENUE ALIGNMENT
 *CA - CL CLARK AVENUE ALIGNMENT
 *LA - CENTERLINE LEWIS AVENUE ALIGNMENT



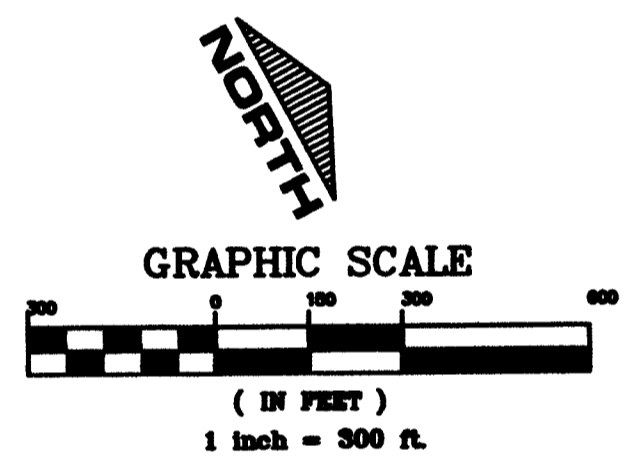
VICINITY MAP
NOT TO SCALE

AS BUILT
DRAWINGS

Map Construction *Mark Kline*

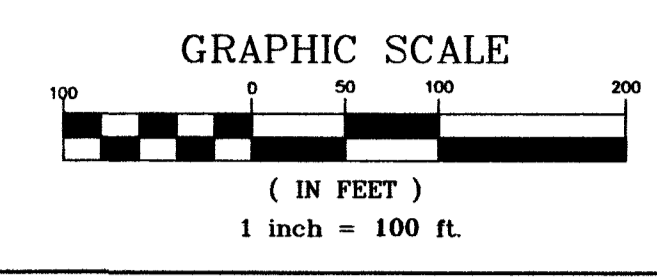
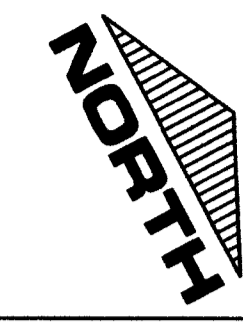
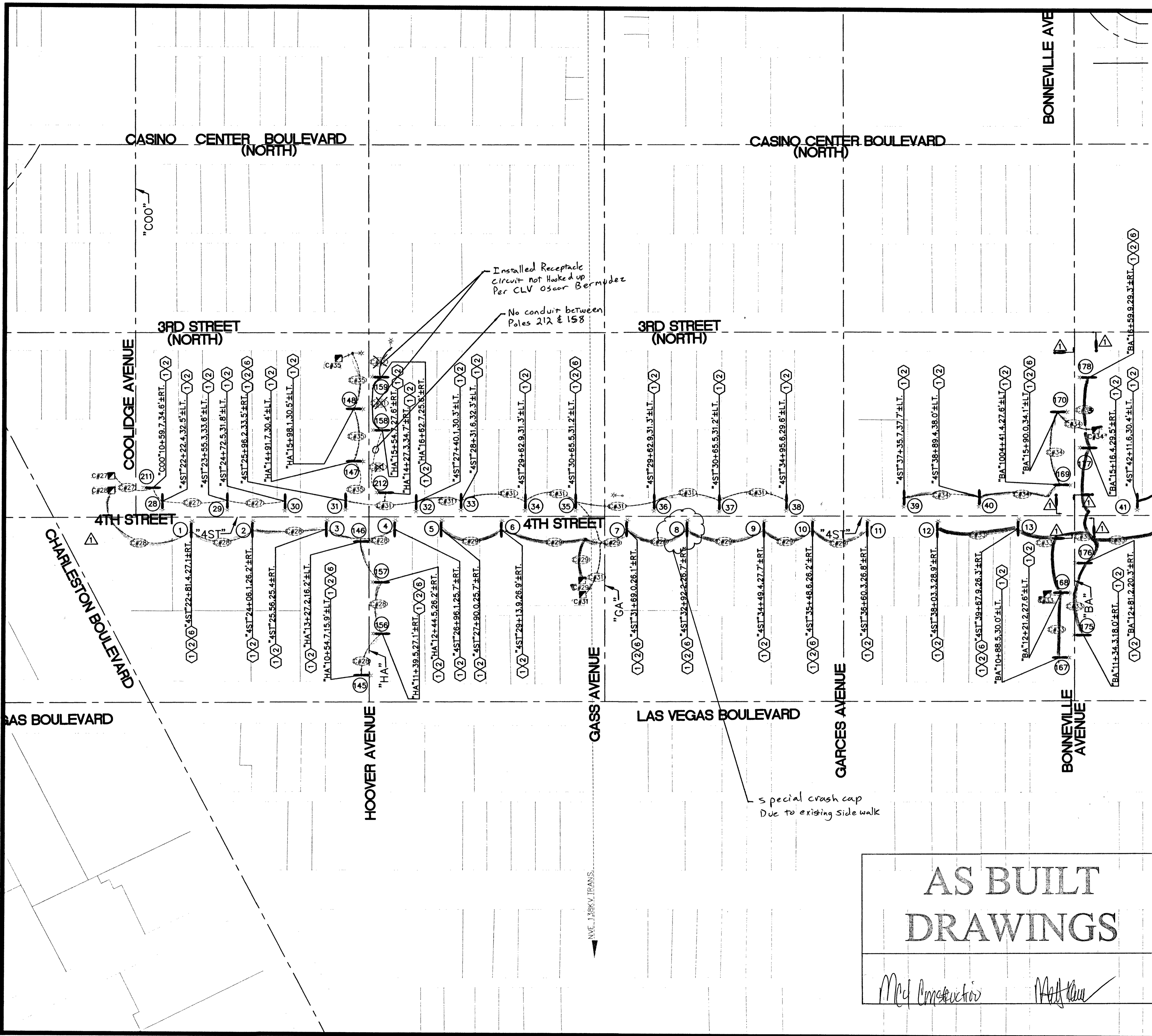


HORIZONTAL CONTROL



PREPARED BY	DESIGNED BY	DRAWN BY	CHECKED BY
46348	GJJ	GJJ	LLD
DATE: AUGUST 2015	DESIGNED BY: GJJ	DRAWN BY: GJJ	CHECKED BY: LLD
SUBMITTAL STAGE:	100% - FINAL		
CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT			
PREPARED FOR CITY OF LAS VEGAS BID# 1346348 DATE: AUGUST 2015 SUBMITTAL STAGE: 100% - FINAL			
TITLE FY2018 DOWNTOWN DUAL ARM STREETLIGHTS REPLACEMENT SHEET HORIZONTAL CONTROL, KEY MAP AND VICINITY MAP			
PROFESSIONAL ENGINEER STATE OF NEVADA FRANK M. DANFORD EXP. 2/25/16 CIVIL 16 019101 01/14/15			
SHEET HC 3 of 8 DRAWING NO. 207-V257			

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- LEGEND:**
- PROPOSED STREETLIGHT (SINGLE MAST ARM)
 - PROPOSED STREETLIGHT (DUAL MAST ARMS)
 - EXISTING STREETLIGHT SERVICE PEDESTAL
 - EXISTING STREETLIGHT (SINGLE MAST ARM)
 - EXISTING STREETLIGHT (DUAL MAST ARMS)
 - EXISTING TRAFFIC SIGNAL POLE
 - EXISTING STREETLIGHT POLE NUMBER

- CONSTRUCTION NOTES:**
- 1 REMOVE AND SALVAGE EXISTING STREETLIGHT POLE AND STREETLIGHT ASSEMBLY. PROTECT-IN-PLACE EXISTING FOUNDATION.
 - 2 INSTALL NEW STREETLIGHT POLE, DUAL MAST ARMS AND 160W / 110W LED LUMINAIRES. SEE DETAILS ON DETAIL SHEET DET1.
 - 3 NOT USED
 - 4 NOT USED
 - 5 NOT USED
 - 6 REMOVE AND SALVAGE EXISTING SIGN(S). RE-INSTALL SALVAGED SIGN(S) ON NEW STREETLIGHT POLE. MATCH EXISTING.

- CLARIFICATION NOTES:**
- 1 PROTECT-IN-PLACE EXISTING TRAFFIC SIGNAL.

CIRCUIT LEGEND:

CIRCUIT NUMBER	ADDRESS SERVICE PEDESTAL	NUMBER OUTLETS	SERVICE PED. SYMBOL	CIRCUIT SYMBOL
C#18	228 L.V. BLVD	8	■C#18	①18
C#19	232 L.V. BLVD	3	■C#19	①19
C#22	305 CLARK	4	■C#22	①22
C#24	314 CARSON	2	■C#24	①24
C#26	324 LEWIS	9	■C#26	①26
C#27	331 COOLIDGE	4	■C#27	①27
C#28	415 GASS	8	■C#28	①28
C#29	417 GASS	7	■C#29	①29
C#30	417 CARSON	2	■C#30	①30
C#31	417 GASS	11	■C#31	①31
C#33	801 4TH ST	12	■C#33	①33
C#34	803 3RD ST	4	■C#34	①34
C#35	901 3RD ST	4	■C#35	①35
C#36	408 CLARK	4	■C#36	①36

- UTILITY NOTES:**
1. CONDUIT LAYOUT IS DIAGRAMMATIC ONLY.
 2. CONDUIT LAYOUT IS FOR REFERENCE ONLY.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDUIT RUNS.

UTILITY DISCLAIMER:
 ALL EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
 NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
	F.A.S.T.	702-432-5300
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

AS BUILT DRAWINGS

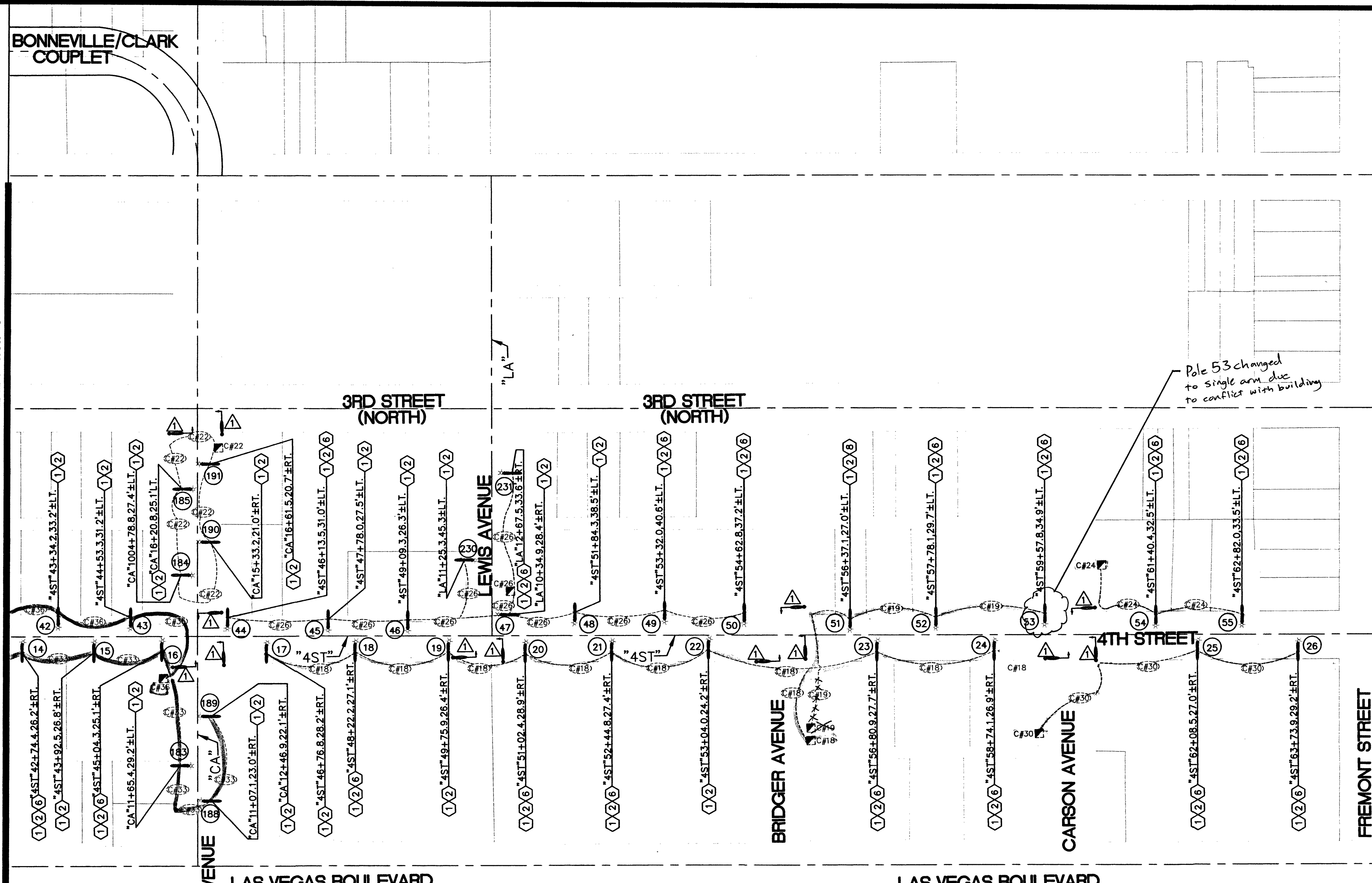
McCl Construction *Mark Kaur*

MATCHLINE - SEE IMPROVEMENT SHEET IMP2

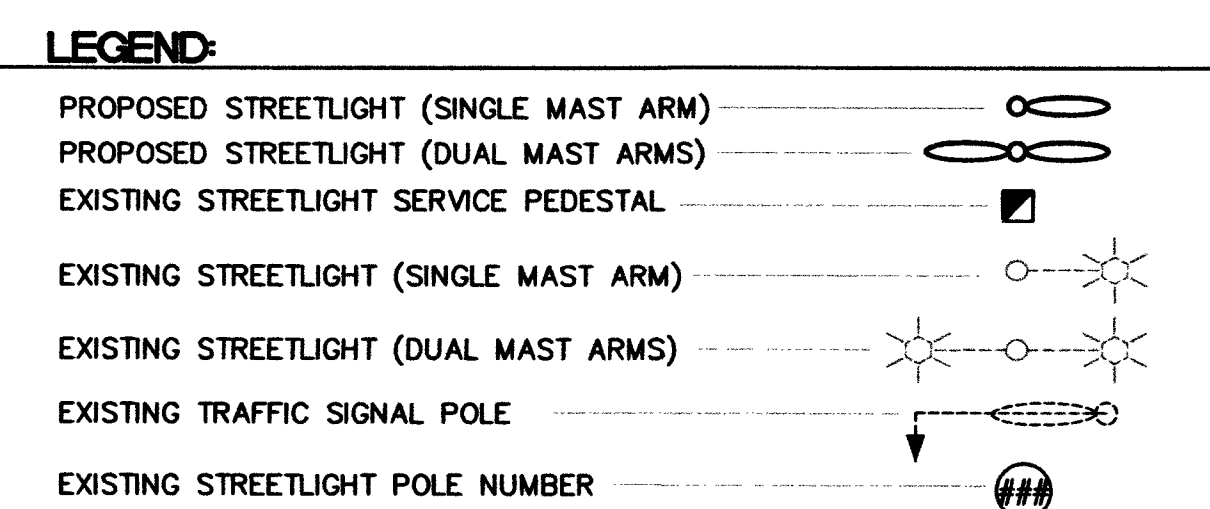
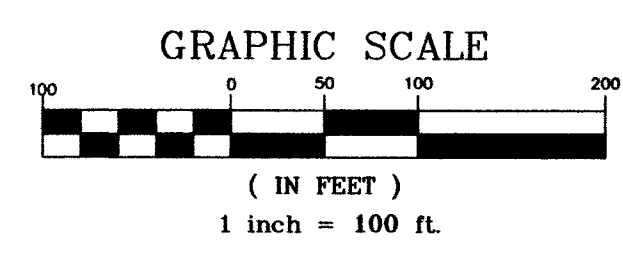
<p>PREPARED FOR CITY OF LAS VEGAS</p> <p>BID# 15-46348 DATE: AUGUST 2015</p> <p>DESIGNED BY: GJJ DRAWN BY: GJJ CHECKED BY: LLD</p> <p>100% - FINAL</p>	<p>DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT</p> <p>NO. DATE</p> <p>REVISIONS</p>
<p>FY2013 DOWNTOWN DUAL ARM STREETLIGHTS REPLACEMENT IMPROVEMENT SHEET 1</p>	
<p>IMP1 4 of 8 DRAWING NO. 207-V257</p>	

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MATCHLINE - SEE IMPROVEMENT SHEET IMP1



MATCHLINE - SEE IMPROVEMENT SHEETAD/ALT1



- CONSTRUCTION NOTES:**
- REMOVE AND SALVAGE EXISTING STREETLIGHT POLE AND STREETLIGHT ASSEMBLY. PROTECT-IN-PLACE EXISTING FOUNDATION.
 - INSTALL NEW STREETLIGHT POLE, DUAL MAST ARMS AND 160W / 110W LED LUMINAIRES. SEE DETAILS ON DETAIL SHEET DET1.
 - NOT USED
 - NOT USED
 - NOT USED
 - REMOVE AND SALVAGE EXISTING SIGN(S). RE-INSTALL SALVAGED SIGN(S) ON NEW STREETLIGHT POLE. MATCH EXISTING.

- CLARIFICATION NOTES:**
- PROTECT-IN-PLACE EXISTING TRAFFIC SIGNAL.

CIRCUIT LEGEND:

CIRCUIT NUMBER	ADDRESS SERVICE PEDESTAL	NUMBER OUTLETS	SERVICE PED. SYMBOL	CIRCUIT SYMBOL
C#18	228 L.V. BLVD	8	[Symbol]	[Symbol]
C#19	332 L.V. BLVD	3	[Symbol]	[Symbol]
C#22	305 CLARK	4	[Symbol]	[Symbol]
C#24	314 CARSON	2	[Symbol]	[Symbol]
C#26	324 LEWS	9	[Symbol]	[Symbol]
C#27	331 COOLIDGE	4	[Symbol]	[Symbol]
C#28	333 COOLIDGE	8	[Symbol]	[Symbol]
C#29	415 GASS	7	[Symbol]	[Symbol]
C#30	417 CARSON	2	[Symbol]	[Symbol]
C#31	417 GASS	11	[Symbol]	[Symbol]
C#32	601 4TH ST	12	[Symbol]	[Symbol]
C#34	603 3RD ST	6	[Symbol]	[Symbol]
C#35	901 3RD ST	2	[Symbol]	[Symbol]
C#36	408 CLARK	3	[Symbol]	[Symbol]

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AS BUILT DRAWINGS

Max Construction *Max Kull*

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

PREPARED BY: [City of Las Vegas Logo]

CITY OF LAS VEGAS
46348

DESIGNED BY: GJJ
DRAWN BY: GJJ
CHECKED BY: LLD

DATE: AUGUST 2015
SUBMITTAL STAGE: 100% - FINAL

TITLE: **FY2013 DOWNTOWN DUAL ARM STREETLIGHTS REPLACEMENT**

SHEET: **IMPROVEMENT SHEET 2**

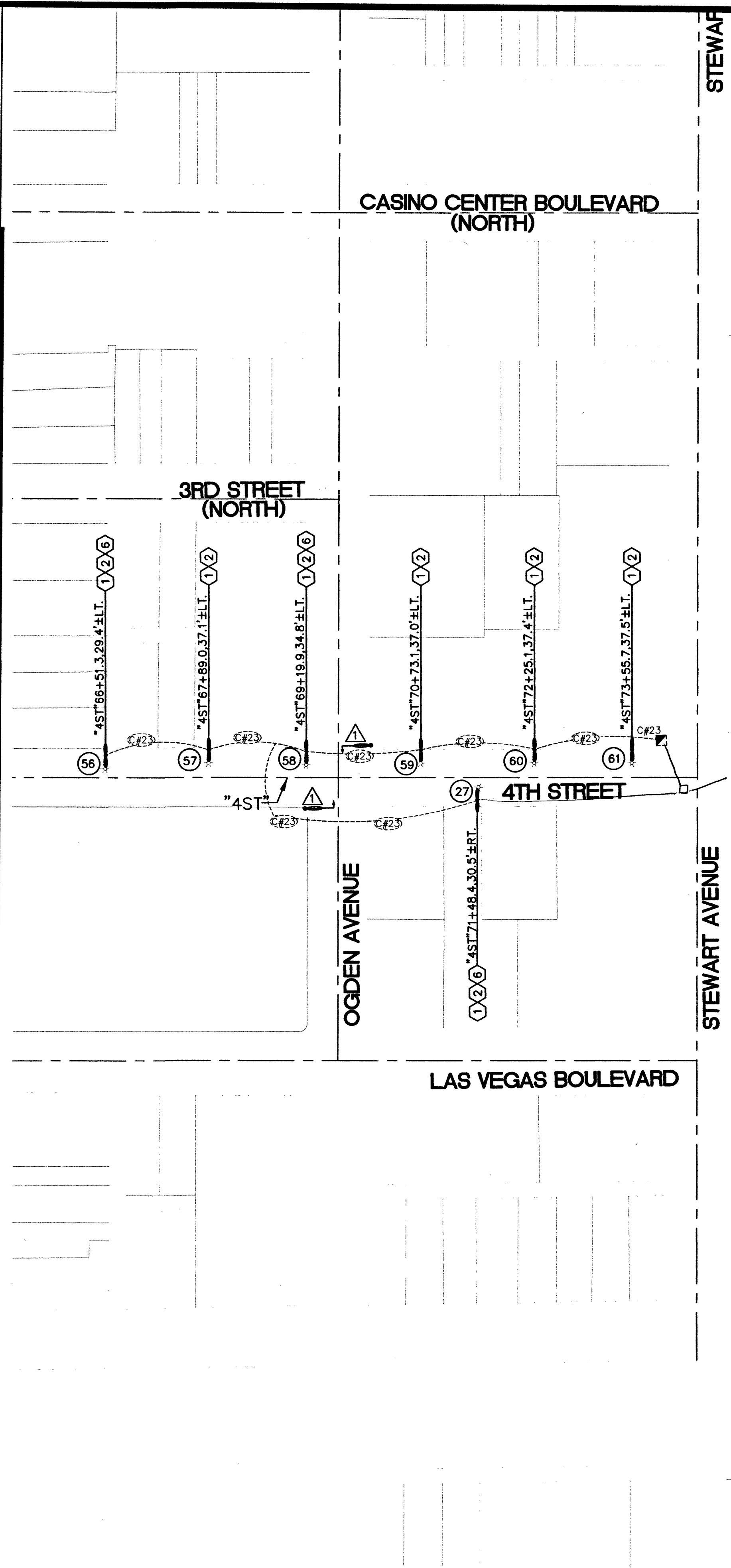
PROFESSIONAL ENGINEER SEAL OF NEVADA
FRANK M. LAMBERT
LICENSED PROFESSIONAL ENGINEER
EXP. 12/31/16
CIVIL
16 019107

SHEET: **IMP2**
5 of 8
DRAWING NO. 207-V257

REVISIONS

10/14/15 F:\PW\ENG\DESIGN\DOWNTOWN\STREETLIGHTS_46348\1. DESIGN\DDSL_100_082415-PH1.DWG

MATCHLINE - SEE IMPROVEMENT SHEET IMP2



STEWART

US 95 FWY

CASINO CENTER BOULEVARD (NORTH)

3RD STREET (NORTH)

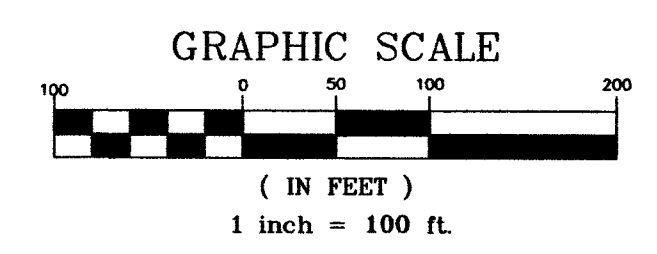
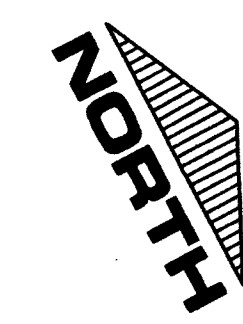
OGDEN AVENUE

STEWART AVENUE

LAS VEGAS BOULEVARD

4TH STREET

PS Existing Pull Box 3,5



LEGEND:

- PROPOSED STREETLIGHT (SINGLE MAST ARM)
- PROPOSED STREETLIGHT (DUAL MAST ARMS)
- EXISTING STREETLIGHT SERVICE PEDESTAL
- EXISTING STREETLIGHT (SINGLE MAST ARM)
- EXISTING STREETLIGHT (DUAL MAST ARMS)
- EXISTING TRAFFIC SIGNAL POLE
- EXISTING STREETLIGHT POLE NUMBER

CONSTRUCTION NOTES:

- ADDITIVE/ALTERNATE 1**
- 1 REMOVE AND SALVAGE EXISTING STREETLIGHT POLE AND STREETLIGHT ASSEMBLY. PROTECT-IN-PLACE EXISTING FOUNDATION.
 - 2 INSTALL NEW STREETLIGHT POLE, DUAL MAST ARMS AND 160W / 110W LED LUMINAIRES. SEE DETAILS ON DETAIL SHEET DET1.
 - 3 NOT USED
 - 4 NOT USED
 - 5 NOT USED
 - 6 REMOVE AND SALVAGE EXISTING SIGN(S). RE-INSTALL SALVAGED SIGN(S) ON NEW STREETLIGHT POLE. MATCH EXISTING.

CLARIFICATION NOTES:

- 1 PROTECT-IN-PLACE EXISTING TRAFFIC SIGNAL.

CIRCUIT LEGEND:

CIRCUIT NUMBER	ADDRESS SERVICE PEDESTAL	NUMBER OUTLETS	SERVICE PED. SYMBOL	CIRCUIT SYMBOL
C#23	310 STEWART	7	■ C#23	⊖ C#23

UTILITY NOTES:

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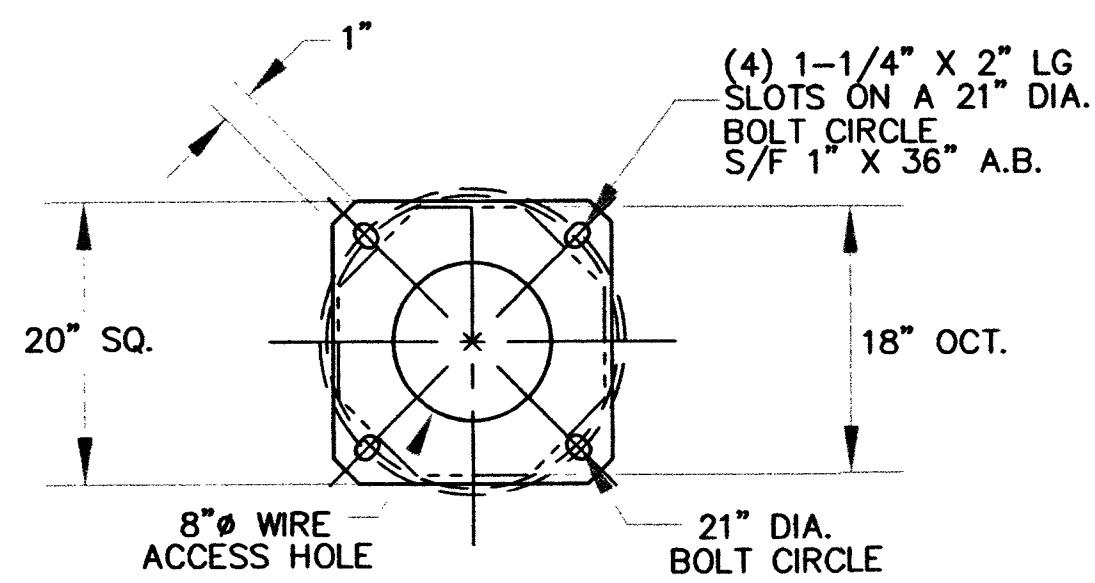
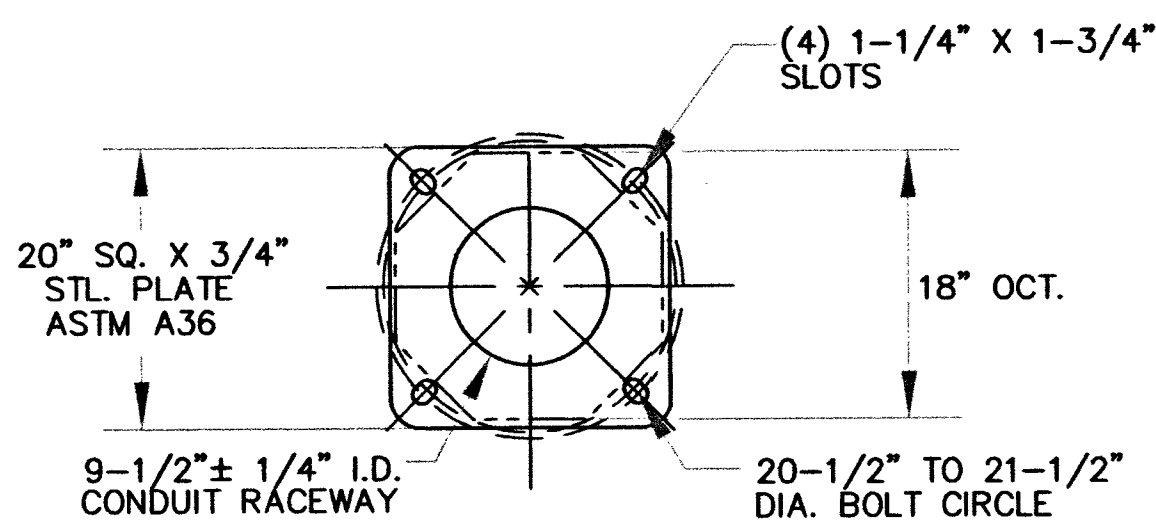
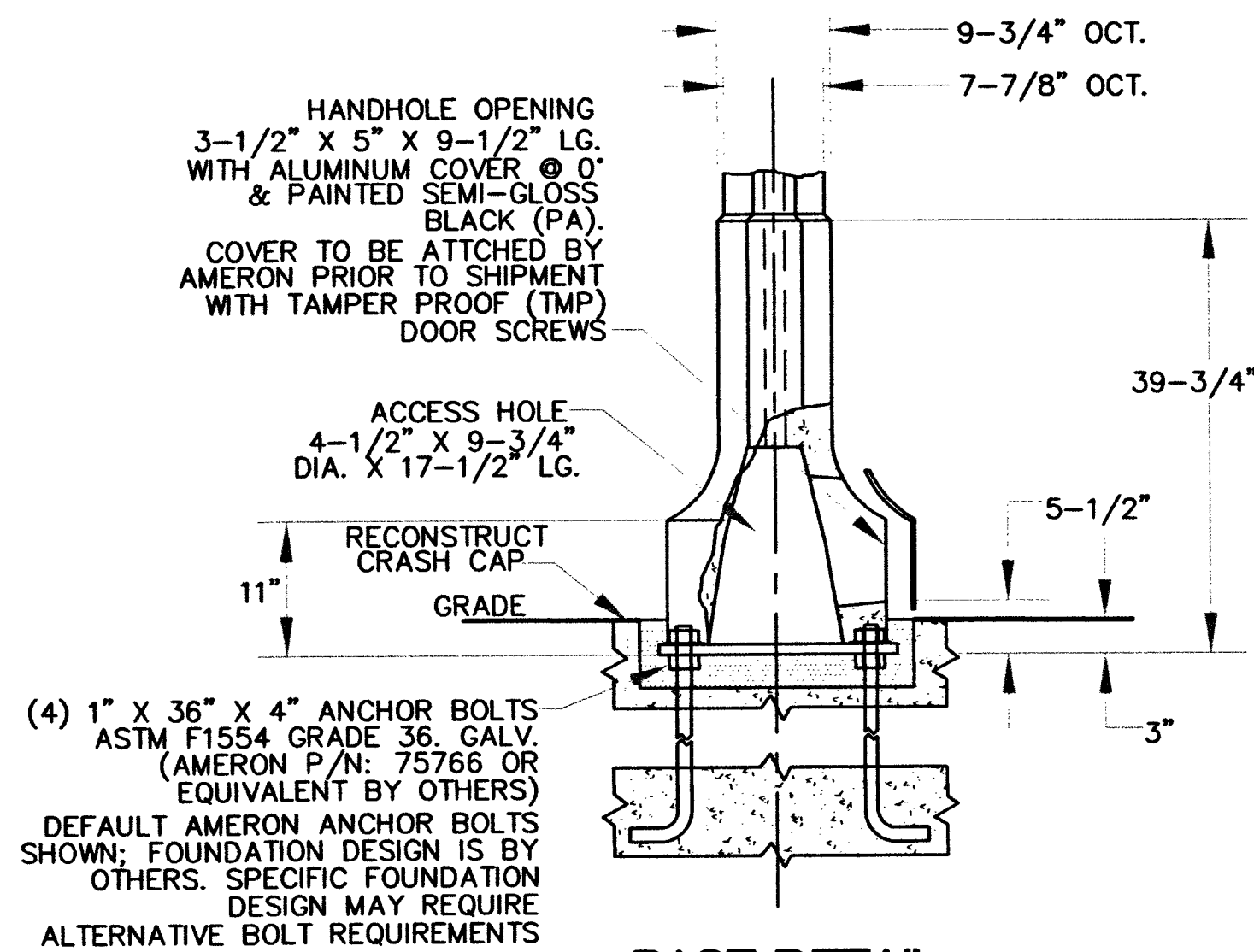
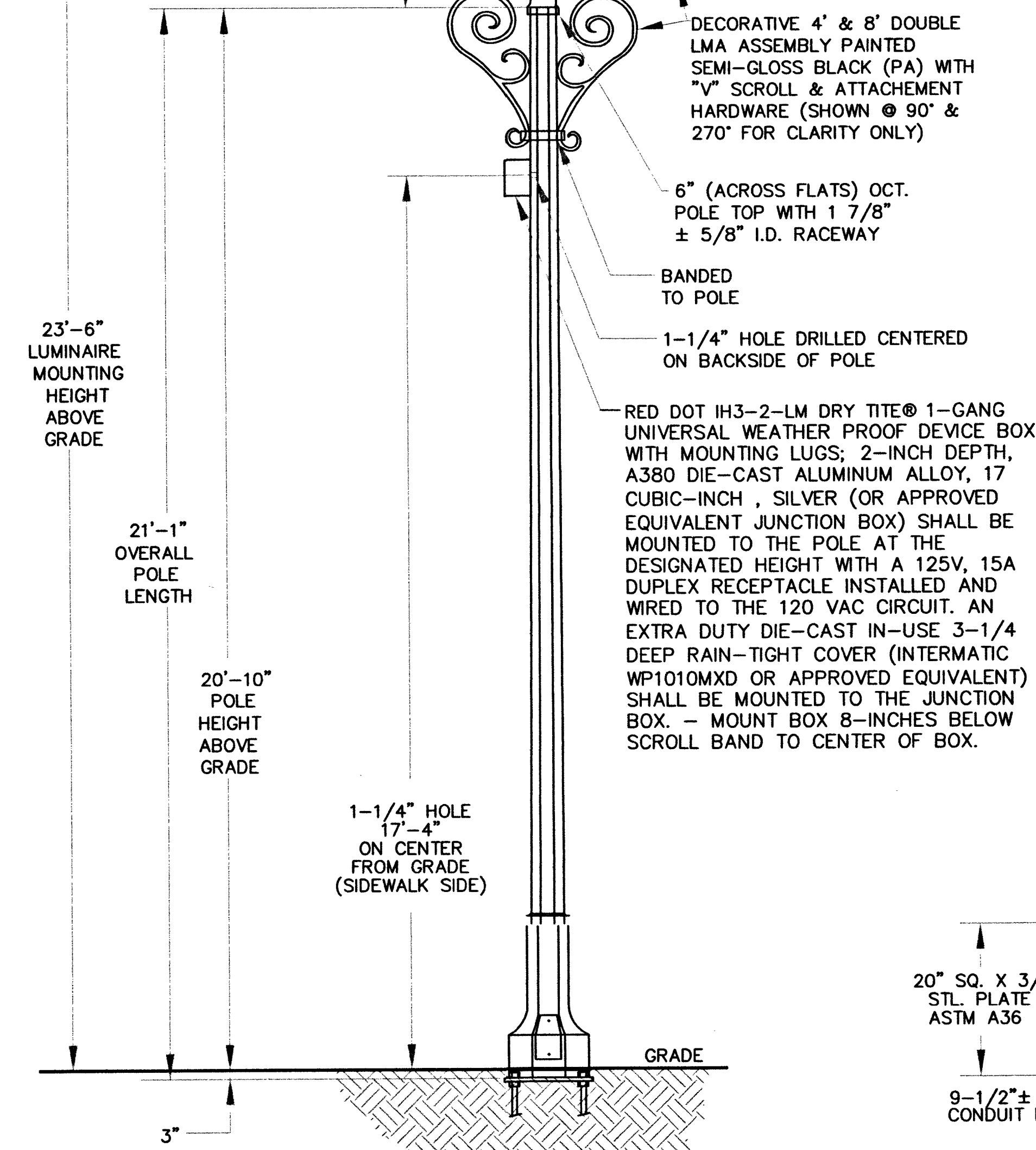
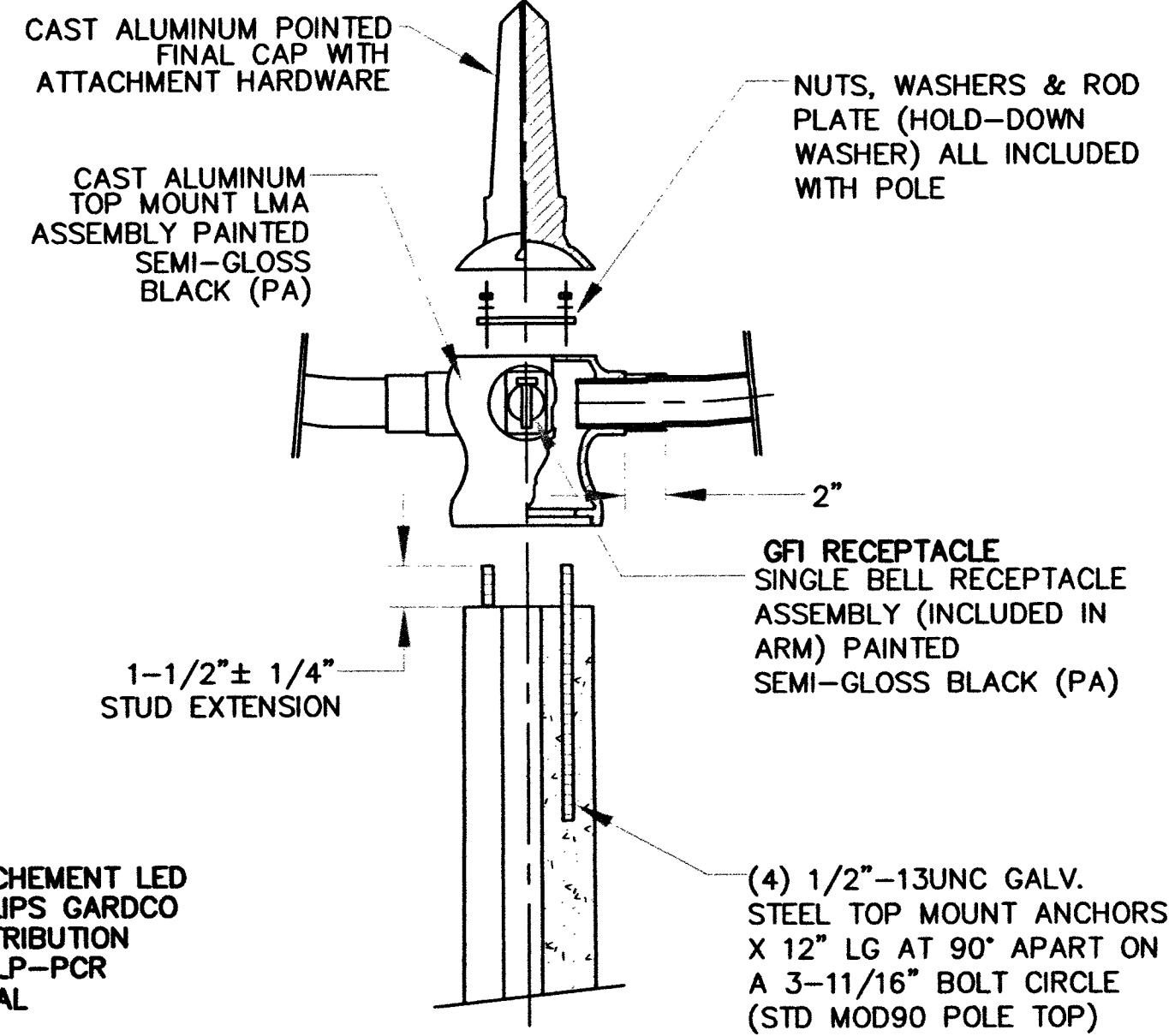
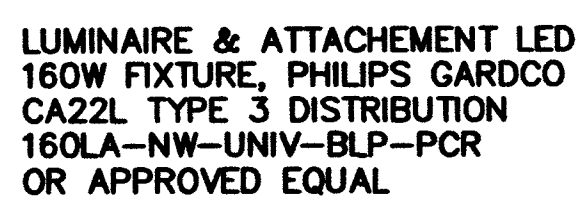
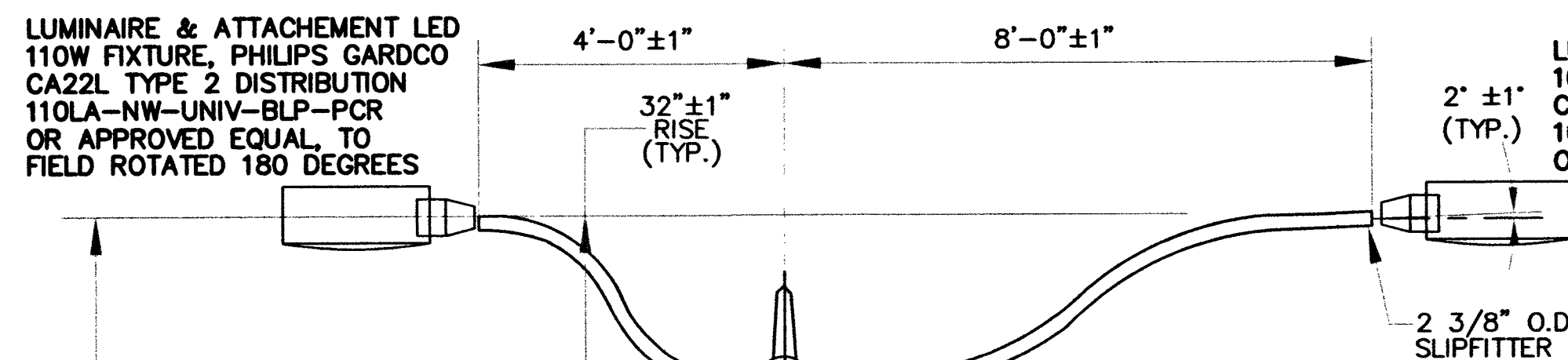
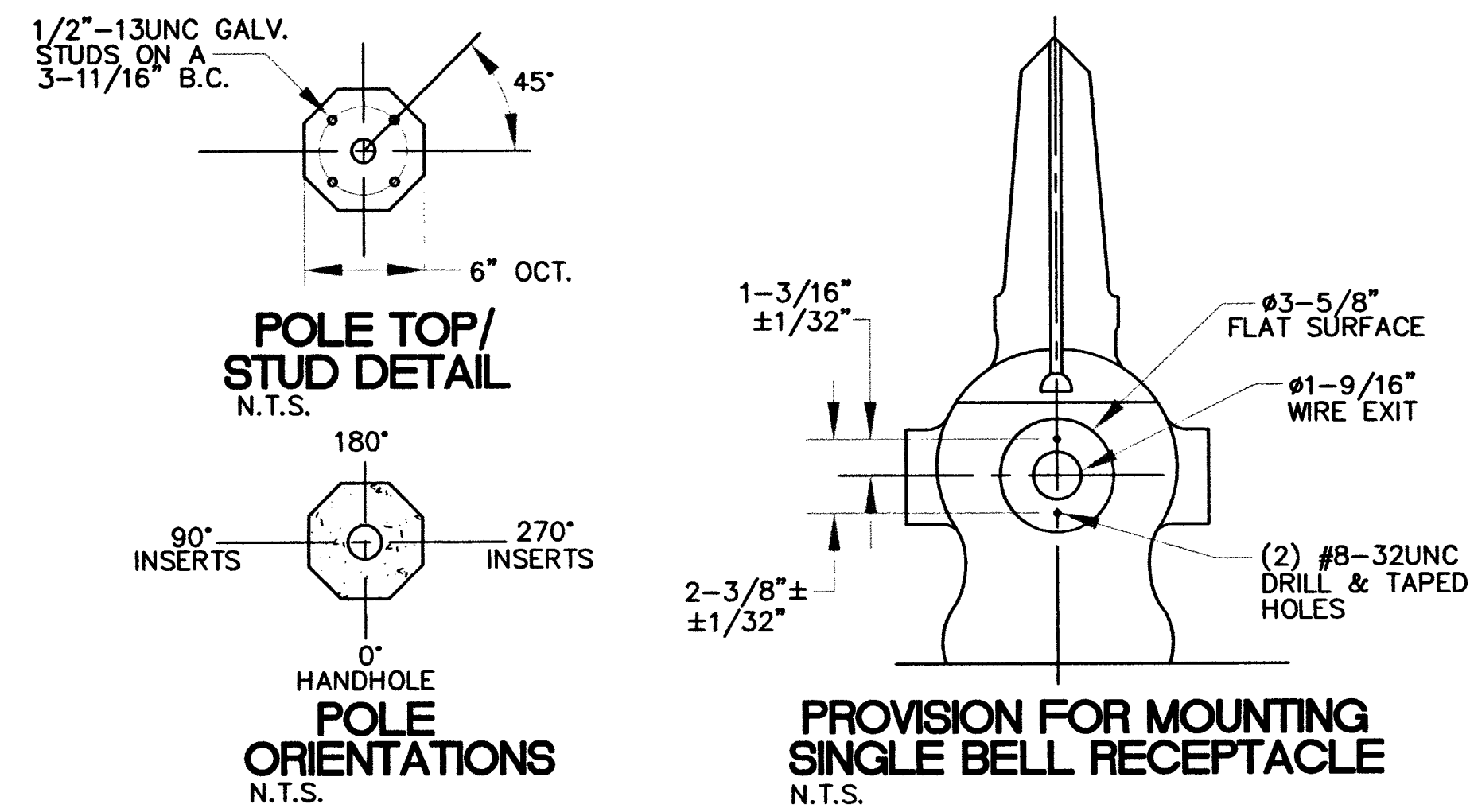
CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

AS BUILT Drawings May construction Add

PREPARED BY: CITY OF LAS VEGAS BID# 1546348 DESIGNED BY: GJJ DRAWN BY: GJJ CHECKED BY: LLD							
DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT							
PREPARED FOR: CITY OF LAS VEGAS 46348 DATE: AUGUST 2015 SUBMITTAL STAGE: 100% - FINAL							
FY2013 DOWNTOWN DUAL ARM STREETLIGHTS REPLACEMENT ADDITIVE/ALTERNATE PLAN							
SHEET AD/ALT1 6 of 8 DRAWING NO. 207-V257							

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'F' LEVEL CONFIG CODES			'F' LEVEL CONFIG CODES		
OPTION CLASS	ENTRY	INFO.	OPTION CLASS	ENTRY	INFO.
COATING	1	-	MIX	12	-
HH COVER	43436PA	"LV"	FINISH	3	-
DOOR SCRS	TMP	-	BASEPLATE	45042	NOTE #8
DRILL-IN MOD	MODEBEB	-	POLE TOP CON.	MOD90	-

DECORATIVE BASE OCTAGONAL BASE PLATE POLE						
POLE DESIGNATION	POLE HEIGHT ABOVE GRADE	OVERALL POLE LENGTH	BOLT CIRCLE	BASE O.D.	ULTIMATE G.I. MOMENT (FT.-LBS.)	POLE WEIGHT (LBS.)
6B121	20'-10"	21'-1"	21"	18"	18,400	1,255

() POLES REQUIRED, EACH WITH 4' & 8' DOUBLE ALUMINUM LMA WITH "V" SCROLL & SINGLE BELL RECEPTACLE (P/N: T.B.D.) & TAMPER PROOF WRENCH (P/N: 45126)

NOTES:

- MIX (1231): BLACK, EXPOSED AGGREGATE FINISH WITH AMERSHIELD ANTI-GRAFFITI COATING.
- f'c @ 28 DAYS = 6,000 PSI, USING SPUN CYLINDER TEST.
- f'c @ 28 DAYS = 5,000 PSI USING ASTM C-31 CYLINDER TEST.
- POLES MANUFACTURED PER ASTM C-1089-06 SPECIFICATIONS.
- BASEPLATE ASTM A-36 FULLY PRESTRESSED WITH (8) 5/16" DIA. A-416 WIRES (7-STRAND CABLES).
- PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
- LMA IS DESIGNED TO ROTATE TO ANY OCTAGONAL FLATS PER CUSTOMER'S REQUIREMENTS.
- POLE SHOWN IS SUITABLE FOR CAPPED BASE PLATE (ENCASED IN CONCRETE), OTHERWISE, OTHER NON-CAPPED INSTALLATION REQUIRED A GALVANIZED BASE PLATE.
- 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 DECA SPHERE FLAT LUMINAIRES (NOT TO EXCEED 1.9 SQ. FT. EPA, 48 LBS. EACH, ONE PER SIDE); THE POLE DEPICTED IS DESIGNED TO WITHSTAND THE LOADS IMPARTED TO TOP MOUNT LMA, THE (2) LUMINAIRES & (2) 18" X 60" BANNER CENTERED NO HIGHER THAN 12'-6" ABOVE GRADE, AS DESIGNED PER THE 2009 AASHTO LTS-5 IN A 90MPH WIND ZONE (3-SECOND GUSTS). PLEASE ADVISE IF THE INTENDED LOADING EXCEEDS THESE VALUES.

AMERON NOTES AND SPECIFICATIONS:

POLE SPECIFICATIONS:

CATALOGUE NO.: KMH21-G-E11-FBP
C/W 140-35/55
SECTION: OCTAGONAL
COLOUR: ECLIPSE
FINISH: ETCHED
POLE LENGTH: 21'-0"
POLE TOP: 7 3/16" FL/FL
POLE BUTT: 18" FL/FL
APPROX. WGT.: T.B.A.
MIN. RACEWAY: 1 1/8" ø

ARM SPECIFICATIONS:
CATALOGUE NO.: KA33-T-4/8'-2
QUANTITY:
MATERIAL: ALUMINUM
PAINT: SEMI-GLOSS BLACK
COATINGS REQUIRED:
-1 COAT ANTI-GRAFFITI FULL LENGTH

NOTES:

- MIX ECLIPSE BLACK, EXPOSED AGGREGATE FINISH WITH JONES BLAIR ANT GRAFFITI COATING.
- FC @ 28 DAYS = 8,000 PSI, USING ASTM C-31 CYLINDER TEST.
- POLES MANUFACTURED PER ASTM C-1089-06 SECIFICATIONS.
- BASEPLATES ASTM A-36 WELDED BY CERTIFIED WELDER.
- PROTECTIVE COAT EXPOSED P.C. WIRES AT POLE ENDS.
- LMA IS DESIGNED TO ROTATE TO ANY OCTAGONAL FLATS PER CUSTOMERS REQUIREMENTS.
- POLE SHOWN IS SUPPLIED WITH GALV. STEEL BASEPLATE FOR CAPPED OR NON-CAPPED INSTALLATION.
- THE 8' DOUBLE TOP MOUNT ALUMINUM DECORATIVE S-ARM PIPE LMA ASSEMBLY (NOT TO EXCEED UP TO, 1.74 SQ. FT. EPA, 12 LBSW. PER SIDE) DEPICTED ON THIS DRAWING IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY GARDCO OR KING LUMINAIRE FIXTURES. THE POLE DEPICTED IS DESIGNED TO WITHSTAND THE LOADS IMPARTED BY THE TOP MOUNT LMA AND THE (2) LUMINAIRES, AS DESIGNED PER THE 2009 AASHTO LTS-5 IN A 90MPH WIND ZONE (3-SECOND GUSTS).
- STRESSCRETE POLE WARRANTY - LIFETIME.

STRESSCRETE NOTES AND SPECIFICATIONS:

AS BUILT DRAWINGS

Mac Construction

PREPARED FOR: **CITY OF LAS VEGAS**

BID # 15-46348

DESIGNED BY: GJJ

DATE: AUGUST 2015

DRAWN BY: GJJ

SUBMITTAL STAGE: 100% - FINAL

CHECKED BY: LLD

DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT

NO. DATE

REVISIONS

FY2013 DOWNTOWN DAUL ARM STREETLIGHTS REPLACEMENT

DETAILS - 1

ENGINEER: **MAC CONSTRUCTION**

REGISTERED PROFESSIONAL ENGINEER

STATE OF NEVADA

EXPIRES: 2/31/15

CIVIL

NO. 019101

10/14/15

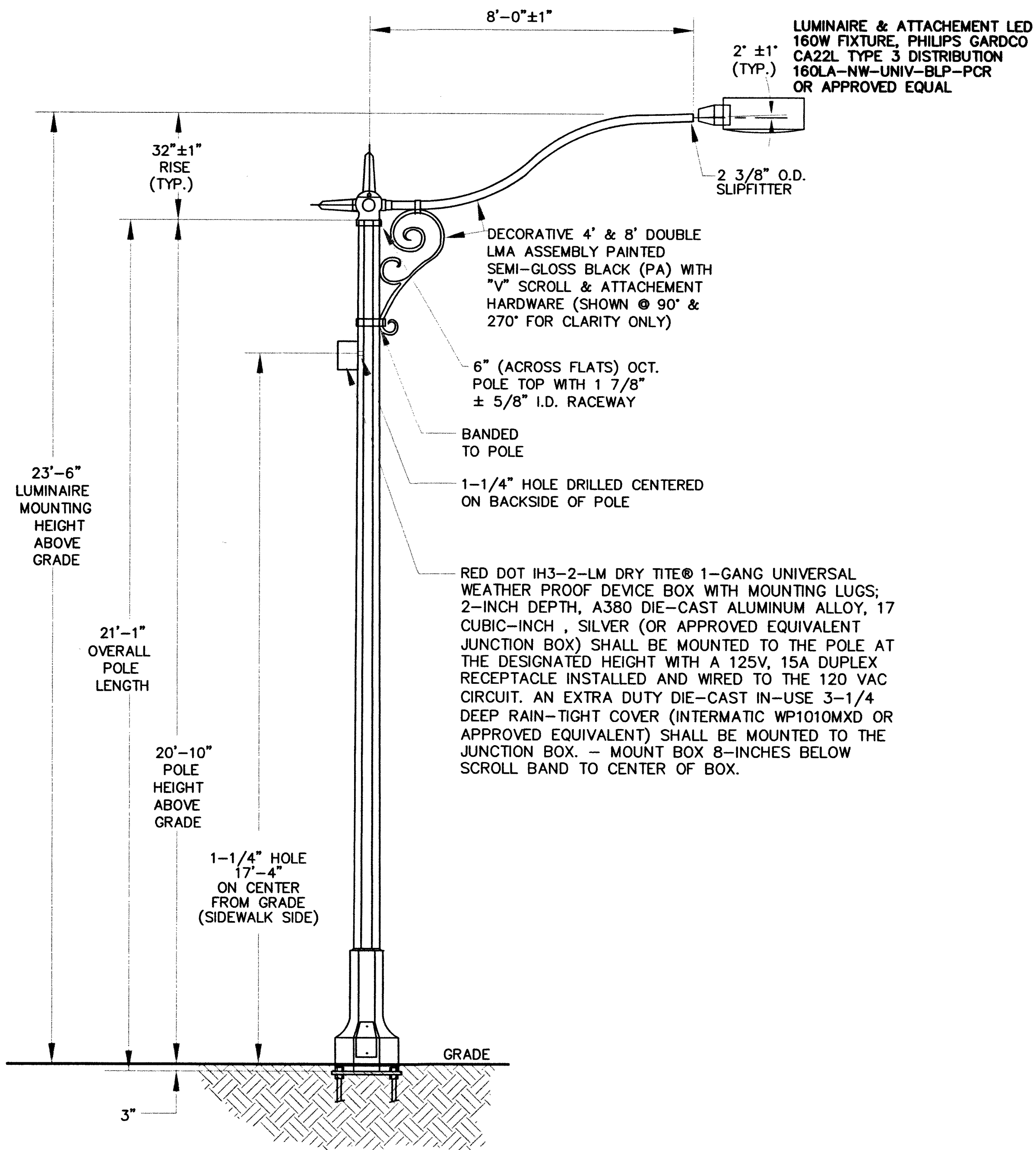
SHEET

DET1

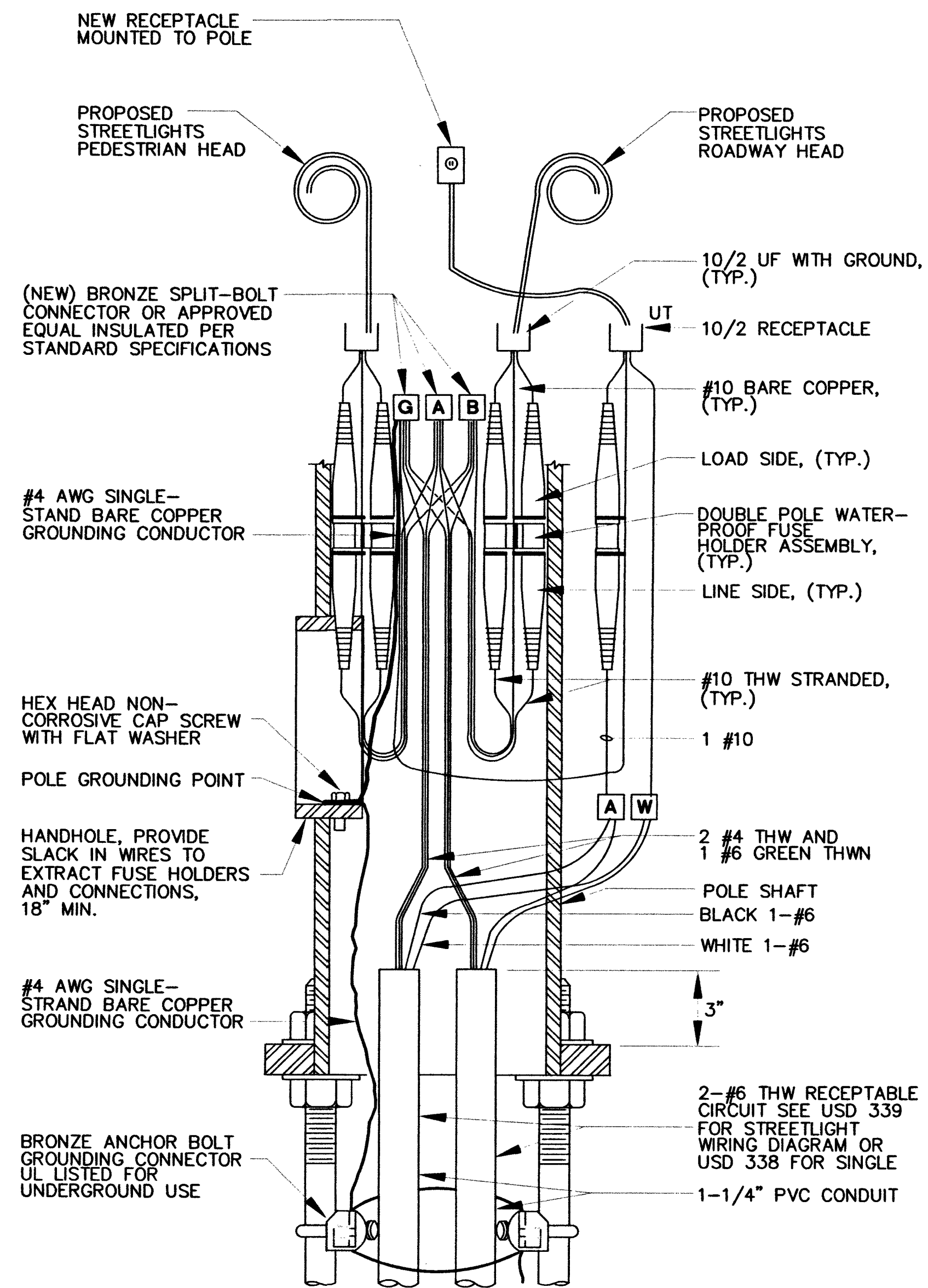
7 of 8

DRAWING NO. 207-V257

10/14/15 F:\PW\ENG\DESIGN\DOWN TOWN STREET LIGHTS_46348\1 DESIGN\DDSL_100_082615-DTS.DWG



SPUNCAST, PRESTRESSED CONCRETE POLE
SCALE: 1" = 1/2"



GENERAL NOTES:

1. PROVIDE SIGNAGE ON INSIDE OF HANDHOLE INDICATING 2 SEPERATE CIRCUITS FEEDING LIGHT POLE. REFER TO CIVIL DRAWINGS FOR ADDITIONAL WIRE AND CONDUIT SIZE INFORMATION.

TWIN LIGHTING STANDARD WIRING DIAGRAM, 240 VOLT, TWO WIRE W/ RECEPTACLE WIRING (339 MOD)
SCALE: NOT TO SCALE

AS BUILT DRAWINGS

Me4 [Signature] *[Signature]*

PREPARED FOR CITY OF LAS VEGAS	DESIGNED BY: GJJ DRAWN BY: GJJ CHECKED BY: LLD
DATE: AUGUST 2015 SUBMITTAL STAGE: 100% - FINAL	BID# 1546348 46348
PREPARED FOR CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT	
TITLE FY2013 DOWNTOWN DAUL ARM STREETLIGHTS REPLACEMENT	
SHEET DETAILS - 2	
SHEET DET2 8 of 8 DRAWING NO. 207-V257	