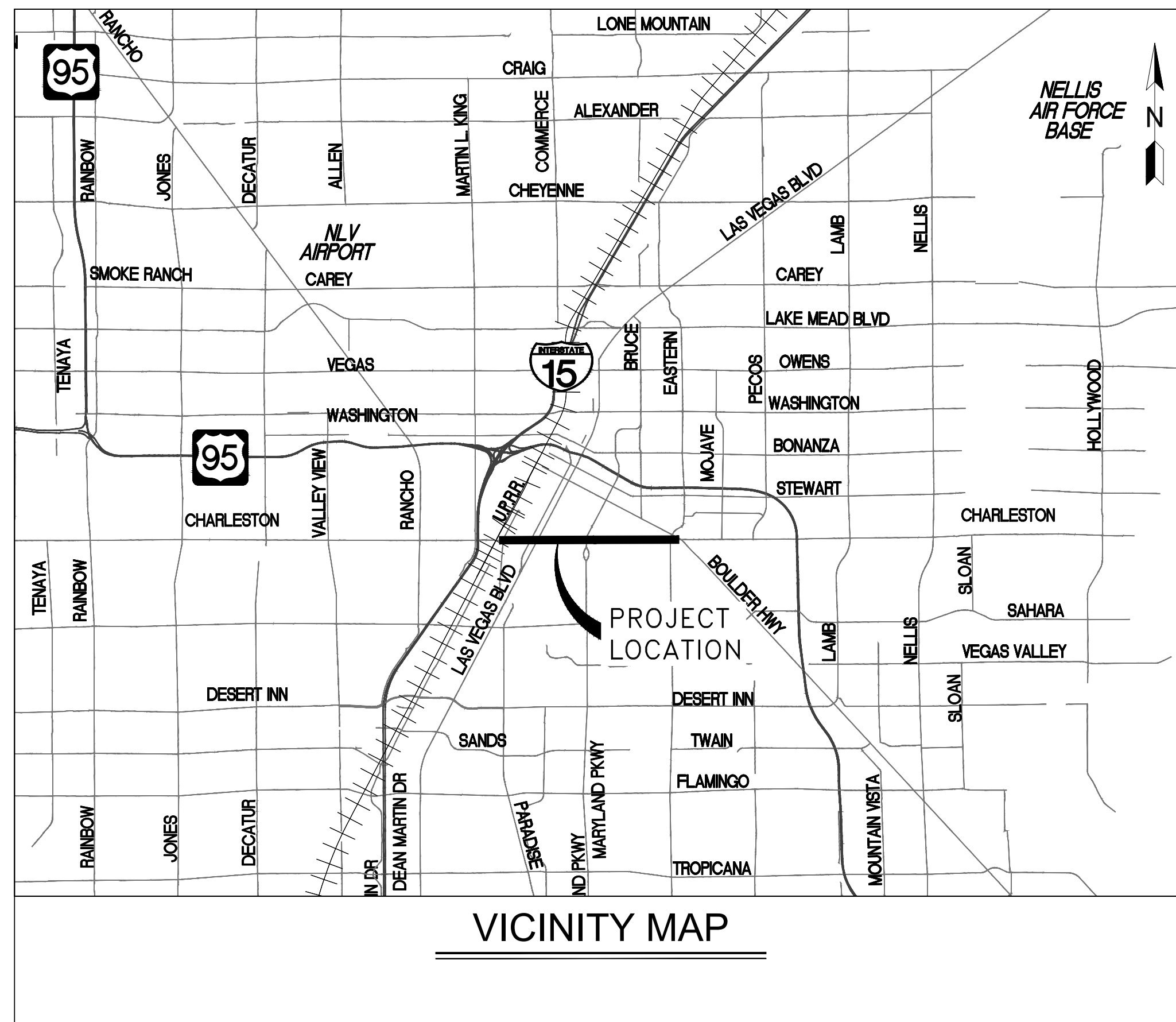


CHARLESTON BOULEVARD ITS INFRASTRUCTURE — COMMERCE STREET TO FREMONT STREET



2019
IMPROVEMENT PLANS FOR
CHARLESTON BOULEVARD
ITS INFRASTRUCTURE
PHASE 2
COMMERCE STREET TO FREMONT STREET

REGIONAL TRANSPORTATION COMMISSION
OF SOUTHERN NEVADA

APPROVED

SIGNATURE ON FILE

6/10/19



**FUNDED BY
FUEL REVENUE INDEXING**



INDEX OF DRAWINGS

<u>SHEET</u>	<u>DWG. NO.</u>	<u>SHEET DESCRIPTION</u>
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3	G-3	GENERAL NOTES
4-9	IC-01 THRU IC-06	FIBER OPTIC SYSTEM PLAN
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APPROVALS

SIGNATURE ON FILE

6/12/19

CITY ENGINEER

ATE

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED OF RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEViate FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIALLY LISTED UNDER DEVIATIONS FORM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS. CLARK COUNTY AREA, NEVADA.

CITY ENGINEER

SIGNATURE ON FILE

6/3/19

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES DATE

FIRST APPROVED DATE: _____

SHEETS G-1, G-3, IC-01 THRU IC-06

AGENCY	PLANS REVIEWED BY	DATE	AGENCY	PLANS REVIEWED BY	DATE	REVISIONS			RECORD DRAWINGS ORIGINALLY STAMPED BY RANDY W. CARROLL NO. 16131 MAY 29, 2019 THESE PLANS HAVE BEEN ACCEPTED AS RECORD DRAWINGS, REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA MAKES NO CLAIM AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN	COVER SHEET L19-00948 115-442
FAST						NUMBER	DESCRIPTION	DATE		

CITY OF LAS TRAFFIC SIGNAL NOTES (CIP)

1. ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. THE LEVEL OF CERTIFICATION REQUIRED SHALL BE LEVEL II.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.

CALL-BEFORE-YOU-OVERHEAD1-702-227-29291-800-227-2600
CALL-BEFORE-YOU-DIG1-702-229-6331
STREETLIGHTS1-702-229-6331
F.A.S.T.1-702-432-5300
3. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS. BRACKET MOUNTED (SIDE-MOUNTED) VEHICLE SIGNAL ASSEMBLIES WITH 2 OR MORE SIGNAL HEADS SHALL HAVE AN ADDITIONAL ELBOW AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 AND SHOWN AS OPTION B IN UNIFORM STANDARD DRAWING NUMBER 844, AND SHALL HAVE A MENERALLAC SUPPORT AS SHOWN IN UNIFORM STANDARD DRAWING NUMBER 863 IF ONE OF THE SIGNAL HEADS CONTAINS 4 OR MORE SIGNAL MODULES.
4. NOT USED
5. NOT USED
6. NOT USED
7. NOT USED
8. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.
9. NOT USED
10. NOT USED
11. NOT USED
12. NOT USED
13. NOT USED
14. NOT USED
15. NOT USED
16. NOT USED
17. NOT USED
18. NOT USED
19. VIDEO DETECTION SYSTEMS SHALL BE TS2 COMPATIBLE AND SHALL INPUT DETECTOR CALLS TO THE CONTROLLER THROUGH AN SDLC CABLE. SYSTEMS WILL BE ITERIS EDGE 2-1IN PROCESSORS WITH VRACK5-PS, EDGE2-TS2-IM-PAK AND EDGECONNECT PAK, (IP ADDRESSABLE). WHEN VIDEO DETECTION IS SPECIFIED ON THE TRAFFIC SIGNAL PLANS, ALL VIDEO DETECTION SYSTEMS WILL BE STAND ALONE SYSTEMS TO INCLUDE ALL NECESSARY EQUIPMENT TO PROGRAM THE VIDEO DETECTION SYSTEM. A PROGRAMMING "MOUSE", KEYPAD OR LAPTOP COMPUTER (IF REQUIRED FOR PROGRAMMING THE VIDEO DETECTION SYSTEM) AND APPROPRIATE SOFTWARE WILL BE SUPPLIED WITH EACH VIDEO SYSTEM. PERSONAL COMPUTERS (PCs) MAY NOT BE SUBSTITUTED FOR LAPTOPS. A VIDEO MONITOR (COLOR FLAT SCREEN) 9" TO 13" WILL BE SUPPLIED WITH EACH VIDEO DETECTION SYSTEM. EACH VIDEO CAMERA WILL HAVE POWER AND VIDEO CABLE DIRECTLY FROM THE CABINET. COAXIAL CABLE WILL BE TYPE 8281 (SOLID CENTER CONDUCTOR). CAMERAS THAT USE A PREFABRICATED CABLE INTEGRATING POWER AND COAXIAL CABLE INTO A SINGLE WEATHERPROOF CONNECTOR ARE ACCEPTABLE. "BNC" ARE THE ONLY ACCEPTABLE TERMINATION OF COAXIAL CABLES. CAMERAS WILL BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS AND PER CLV TRAFFIC ENGINEER APPROVAL. VIDEO CAMERAS SHALL BE COLOR AND SHALL BE MOUNTED ON A MINIMUM 6 FOOT RISER ON THE SIGNAL MAST ARM WITH EXTENSION BRACKETS (TYPE AG-0175-74-62 OR EQUIVALENT). THE LOCATION OF THE CAMERA ON THE MAST ARM SHALL BE APPROVED BY THE TEFO TRAFFIC SIGNAL SUPERVISOR. A VIDEO FILTER (CX06-BNYC OR EQUIVALENT) WILL BE INSTALLED IN THE SIGNAL CABINET FOR EACH CAMERA VIDEO INPUT. VIDEO DETECTION PROCESSORS AND COMMUNICATIONS CARDS SHALL BE PROVIDED WITH THE LATEST VERSIONS OF THE MANUFACTURER'S SOFTWARE. THE CONTRACTOR SHALL AIM CAMERAS AND PROGRAM AND CONFIGURE THE VIDEO DETECTION PROCESSORS TO PROVIDE A FULLY FUNCTIONING SYSTEM.
20. NOT USED
21. OPTICAL PREEMPTION UNITS WILL BE GLOBAL TRAFFIC TECHNOLOGIES (ENCODING CAPABLE), MODEL 764 OPTICOM PHASE SELECTOR INSTALLED IN A MODEL 760 RACK WITH A MODEL 768 AUXILIARY INTERFACE PANEL (AIP) MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. OPTICAL SENSORS WILL BE MODEL 721 WITH ONE DETECTOR PER DIRECTION, UNLESS SHOWN OTHERWISE IN THE PLANS, AND WILL BE INTERFACED TO THE TRAFFIC SIGNAL CONTROLLER CABINET WITH M-138 CABLE. THE SOUTHBOUND OPTICOM DETECTOR SHALL BE WIRED TO INPUT PREEMPTS ON CHANNEL 1 IN THE PHASE SELECTOR, EASTBOUND ON CHANNEL 2, NORTHBOUND ON CHANNEL 3, AND WESTBOUND ON CHANNEL 4, UNLESS VARIATIONS ARE APPROVED BY THE TRAFFIC SIGNAL SUPERVISOR. WHEN 764 PHASE SELECTORS ARE ADDED TO A CABINET WITHOUT A 768 AIP, THE CONTRACTOR SHALL INSTALL AND WIRE A NEW 768 AIP.
22. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.
23. INTERCONNECT CABLE SHALL BE AS SHOWN IN THE WIRE SCHEDULE.
24. NOT USED
25. WHERE THE PLANS CALL FOR REMOVAL AND SALVAGE OF EXISTING TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL CALL 702-229-6331 TO SPEAK TO A TRAFFIC FIELD SUPERVISOR TO ARRANGE FOR DELIVERY TIMES AND LOCATIONS.
26. THE CONTRACTOR SHALL MAINTAIN EXISTING SIGNALS THROUGH THE LIFE OF THE PROJECT PER SECTION 623 G.03.01N OF THE CLV SPECIAL PROVISIONS.
- REVISED NOVEMBER 21, 2018

LEGEND

- 10+00
↑

-----TEL-----
-----CATV-----
-----SD-----
-----ELE-----
-----OHP-----
-----SS-----
-----GAS-----
-----OHP/TEL-----






-----2" ITS-----
-----3" ITS-----
-----4" ITS-----


▷ OR ◁









-----2" ITS-----
-----3" ITS-----
-----4" ITS-----





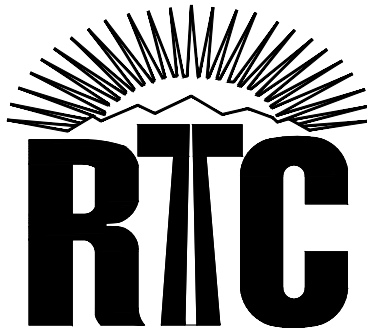


- CENTERLINE
EASEMENT LINE
EXISTING RIGHT-OF-WAY LINE
EXISTING TELEPHONE LINE
EXISTING CABLE TV LINE
EXISTING STORM DRAIN LINE
EXISTING UNDERGROUND POWER LINE
EXISTING OVERHEAD POWER LINE
EXISTING SANITARY SEWER LINE
EXISTING GAS LINE
EXISTING OVERHEAD POWER LINE AND TELEPHONE
EXISTING NVE TRANSFORMER
EXISTING 200 AMP PADMOUNTED SERVICE PEDESTAL
EXISTING POWER POLE
EXISTING CABLE TV PULL BOX
EXISTING TELEPHONE PULL BOX
EXISTING TRAFFIC SIGNAL CONDUIT
EXISTING 2" FIBER OPTIC CONDUIT
EXISTING 3" FIBER OPTIC CONDUIT
EXISTING 4" FIBER OPTIC CONDUIT
EXISTING CONTROLLER CABINET
EXISTING CCTV CAMERA
EXISTING OPTICOM DETECTOR
EXISTING NO. 3 1/2 PULL BOX
EXISTING NO. 5 PULL BOX
EXISTING NO. 7 PULL BOX
EXISTING P30 PULL BOX
EXISTING TYPE 200 SPLICE VAULT
EXISTING CONDUIT NO. (SEE CONDUIT AND WIRE SCHEDULE)
NEW CCTV CAMERA
NEW GPS EMERGENCY VEHICLE PRE-EMPTION
NEW TRAFFIC SIGNAL CONDUIT
NEW 2" FIBER OPTIC CONDUIT
NEW 3" FIBER OPTIC CONDUIT
NEW 4" FIBER OPTIC CONDUIT
NEW CONTROLLER CABINET
NEW NO. 3 1/2 PULL BOX
NEW NO. 5 PULL BOX
NEW NO. 7 PULL BOX
NEW P30 PULL BOX
NEW TYPE 200 SPLICE VAULT
NEW CONDUIT NO. (SEE CONDUIT AND WIRE SCHEDULE)

ABBREVIATIONS

AVAR	AIR VACUUM AIR RELIEF VALVE	SL	STREET LIGHT
AVE	AVENUE	SNWA	SOUTHERN NEVADA WATER AUTHORITY
BC	BACK OF CURB	SS	SANITARY SEWER
BLVD	BOULEVARD	STA	STATION
BSW	BACK OF SIDEWALK	STD	STANDARD
CATV	UNDERGROUND CABLE TV	ST	STREET
CCPW	CLARK COUNTY PUBLIC WORKS	STL	STEEL
CCTV	CLOSED CIRCUIT TELEVISION	SV	SPLICE VAULT
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	SW	SOUTHWEST/SIDEWALK
CDCA	COMMUNICATION DISTRIBUTION CABLE ASSEMBLY	TEL	TELEPHONE
CG	CURB AND GUTTER	TS	TRAFFIC SIGNAL
CL	CENTERLINE	TYP	TYPICAL
CONC	CONCRETE	USD	UNIFORM STANDARD DRAWING
DB	DIRECT BURY	USS	UNIFORM STANDARD SPECIFICATIONS
DR	DRIVE	W	WATER or WEST
DWG	DRAWING		
E	EAST	ALIGNMENT ABBREVIATIONS	
EA	EACH	"CB"	CHARLESTON BOULEVARD
ELEC	ELECTRICAL		(COMMERCE STREET TO FREMONT STREET)
EP or EOP	EDGE OF PAVEMENT		
ESMT	EASEMENT		
EVP	EMERGENCY VEHICLE PRE-EMPTION		
EX	EXISTING		
FAST	FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION		
FC	FACE OF CURB		
FT	FOOT/FEET		
GPS	GLOBAL POSITIONING SYSTEM		
IC	INTERCONNECT		
ITS	INTELLIGENT TRANSPORTATION SYSTEM		
LF	LINEAR FEET		
LN	LANE		
LT	LEFT		
LVVWD	LAS VEGAS VALLEY WATER DISTRICT		
MAX	MAXIMUM		
MH	MANHOLE		
MIN	MINIMUM		
N	NORTH		
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION		
NE	NORTHEAST		
NO	NUMBER		
NTS	NOT TO SCALE		
NVE	NV ENERGY		
NW	NORTHWEST		
OC	ON CENTER		
OHP	OVERHEAD POWER LINE		
PB	PULL BOX		
PKWY	PARKWAY		
PP	POWER POLE		
PR	PAIR		
PROP	PROPOSED		
PVMT	PAVEMENT		
RD	ROAD		
RDWY	ROADWAY		
RT	RIGHT		
R/W	RIGHT-OF-WAY		
S	SOUTH		
SD	STORM DRAIN		
SE	SOUTHEAST		
SHT	SHEET		

REV. NO.	DATE	DESCRIPTION	APPROVED



CHARLESTON BOULEVARD ITS INFRASTRUCTURE
INDEX OF DRAWINGS AND ABBREVIATIONS
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

RECORD DRAWINGS

ORIGINALLY STAMPED BY
RANDY W. CARROLL
NO. 16131
MAY 29, 2019
THESE PLANS HAVE BEEN
ACCEPTED AS RECORD
DRAWINGS. REGIONAL
TRANSPORTATION COMMISSION
OF SOUTHERN NEVADA MAKES
NO CLAIM AS TO THE
COMPLETENESS OR ACCURACY
OF THE INFORMATION SHOWN

PROJECT No: TSC1802 DRAWN BY: JAS
DESIGNED BY: JAS CHECKED BY: JSR
APPROVED BY: _____



SCALE

HORIZ: AS SHOWN

VERT: AS SHOWN

FIELD BOOK

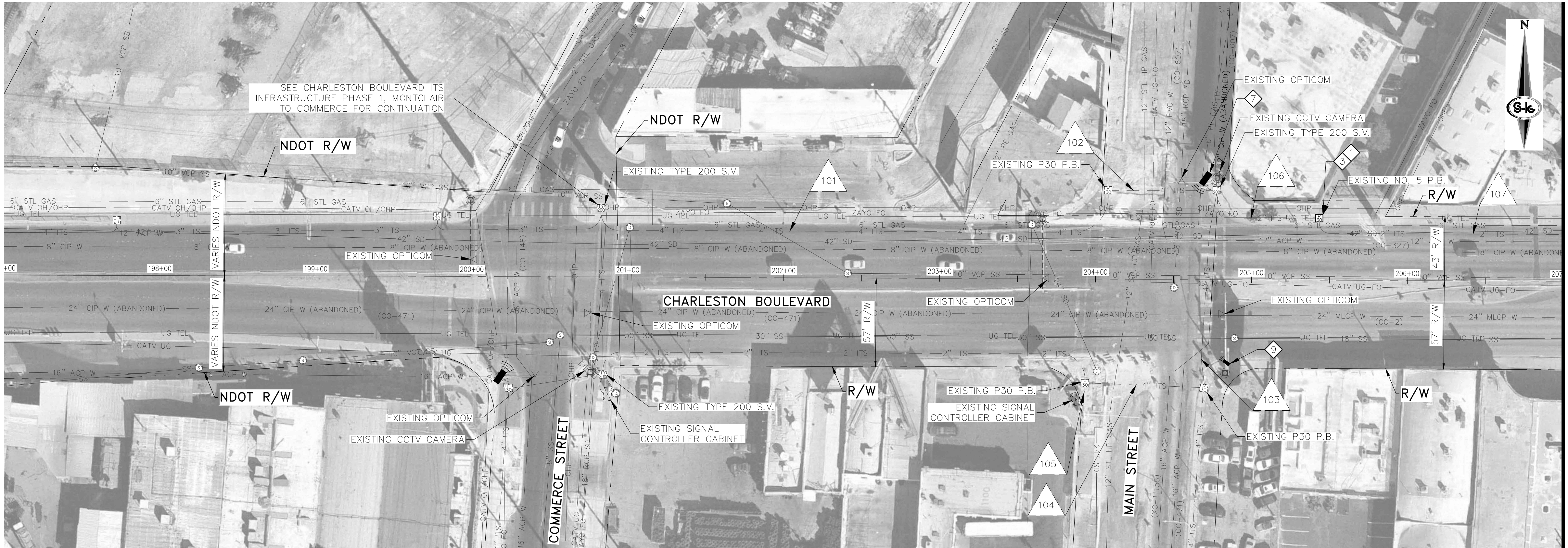
DRAWING NO.

G-2

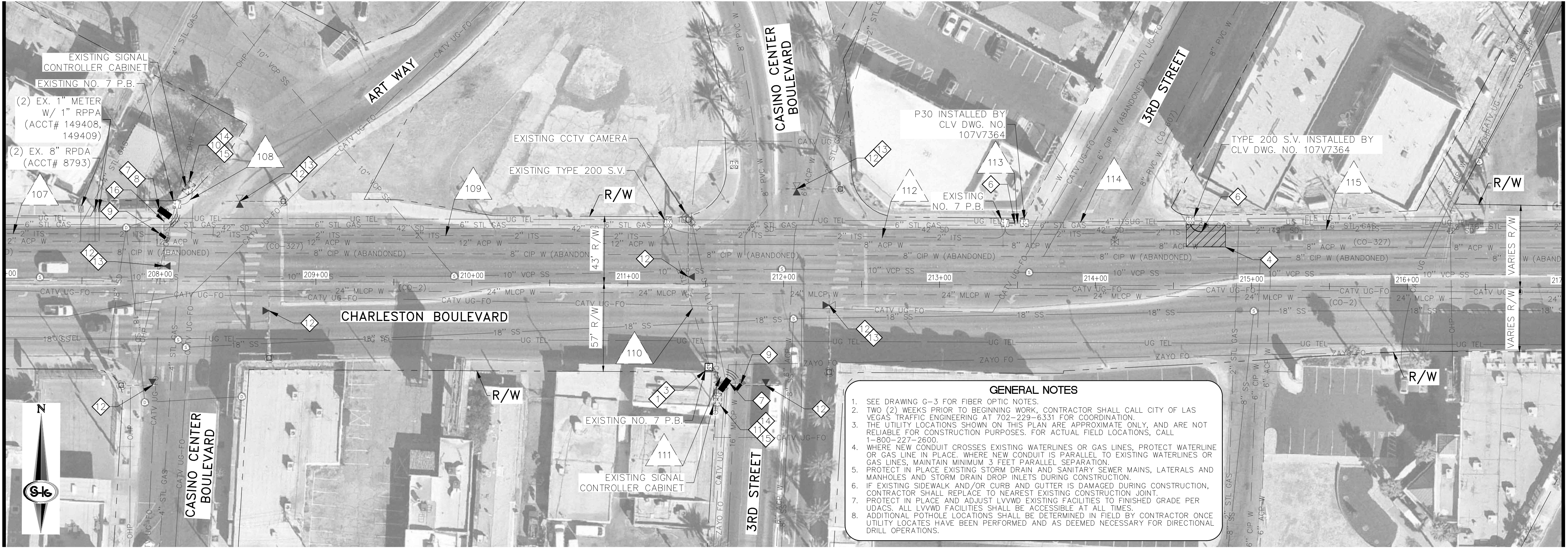
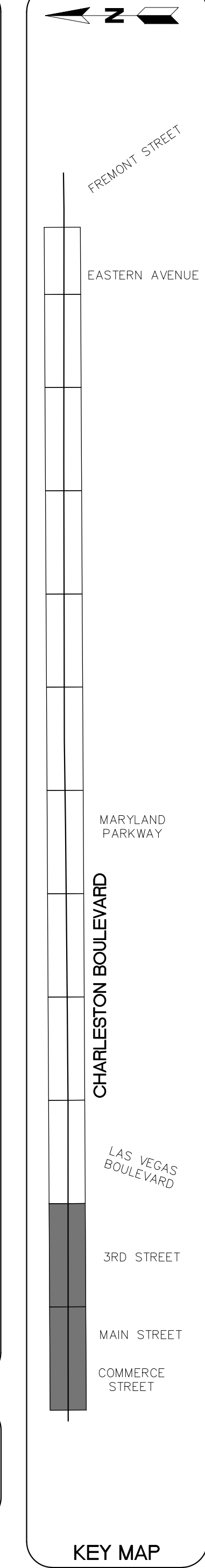
SHT. 2 OF 12

L19-00948

115-442



- CONSTRUCTION NOTES**
1. INSTALL P30 PULL BOX (USDCCA STD. DWG NOS. 761 & 763)
 2. INSTALL TYPE 200 SPLICE VAULT (USDCCA STD. DWG NOS. 762 & 763)
 3. REMOVE EXISTING PULL BOX
 4. REPAIR BROKEN CONDUIT (SEE DETAIL 1, DRAWING IC-08 FOR PAVEMENT PATCH)
 5. REPAIR BROKEN CONDUIT (SEE DETAIL 2, DRAWING IC-08 FOR PAVEMENT PATCH)
 6. INTERCEPT AND EXTEND EXISTING CONDUIT TO PULL BOX
 7. INSTALL OPTICOM GPS EVP ON TRAFFIC SIGNAL POLE. ROUTE CABLES/CONDUCTORS THROUGH EXISTING TRAFFIC SIGNAL CONDUIT TO CABINET. INSTALL OPTICOM GPS EVP CABINET EQUIPMENT IN EXISTING RACKS
 8. INSTALL CCTV CAMERA AND EXTENSION ON POLE. ROUTE CABLES/CONDUCTORS THROUGH EXISTING TRAFFIC SIGNAL CONDUIT TO CONTROLLER CABINET. INSTALL CONTROL UNIT AND ENCODER IN CONTROLLER CABINET WITH ALL ASSOCIATED CABLES AND CONDUCTORS
 9. INSTALL TRAFFICAST DSRC AND BLUETOOTH RSU ON MAST ARM. ROUTE CABLES THROUGH MAST ARM, SIGNAL POLE AND EXISTING TRAFFIC SIGNAL CONDUIT TO CONTROLLER CABINET. MOUNT ASSOCIATED CABINET EQUIPMENT IN EXISTING CONTROLLER CABINET
 10. REMOVE AND SALVAGE EXISTING VIDEO DETECTION EQUIPMENT IN TRAFFIC SIGNAL CABINET AND REPLACE WITH NEW VIDEO DETECTION EQUIPMENT. EXISTING VIDEO DETECTION CAMERAS AND CABLES/CONDUCTORS SHALL REMAIN OR BE RELOCATED. SEE EQUIPMENT TABLE ON IC-07
 11. INSTALL NEW VIDEO DETECTION SYSTEM FOR COUNTING THROUGH THE SDLC CONNECTION TO THE CONTROLLER USING BIU'S 10 THROUGH 12. ROUTE CABLES/CONDUCTORS THROUGH EXISTING TRAFFIC SIGNAL CONDUIT TO CONTROLLER CABINET. INSTALL NEW VIDEO DETECTION CAMERA ON EACH POLE. SEE EQUIPMENT TABLE ON IC-07
 12. INSTALL MODEL 721 INFRARED OPTICOM DETECTOR CENTERED ON THE APPROACH AND ALL ASSOCIATED CABLES/CONDUCTORS AND EQUIPMENT IN EXISTING CONDUIT AND CABINETS
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 17. INSTALL BLUETOOTH TRAVEL TIME UNIT. ROUTE CABLES THROUGH SIGNAL INFRASTRUCTURE
 18. INSTALL NO. 7 PULL BOX WITH 12-INCH EXTENSION (USDCCA STD. DWG. NO. 707)
 19. INSTALL TYPE 100 SPLICE VAULT



APPROVED FOR CONSTRUCTION

SIGNATURE ON FILE

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 136352 FIRST APPROVED DATE: 6/9/19

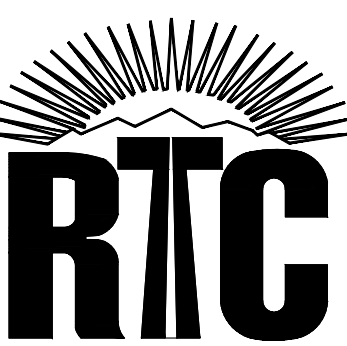
Call before you Dig
1-702-432-5300

Call before you Dig
1-800-227-2600

Call before you dig
1-702-227-2929

- GENERAL NOTES**
1. SEE DRAWING G-3 FOR FIBER OPTIC NOTES.
 2. TWO (2) WEEKS PRIOR TO BEGINNING WORK, CONTRACTOR SHALL CALL CITY OF LAS VEGAS TRAFFIC ENGINEERING AT 702-229-6331 FOR COORDINATION.
 3. THE UTILITY LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY, AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. FOR ACTUAL FIELD LOCATIONS, CALL 1-800-227-2600.
 4. WHERE NEW CONDUIT CROSSES EXISTING WATERLINES OR GAS LINES, PROTECT WATERLINE OR GAS LINE IN PLACE. WHERE NEW CONDUIT IS PARALLEL TO EXISTING WATERLINES OR GAS LINES, MAINTAIN MINIMUM 3 FEET PARALLEL SEPARATION.
 5. PROTECT IN PLACE EXISTING STORM DRAIN AND SANITARY SEWER MAINS, LATERALS AND MANHOLES AND STORM DRAIN DROP INLETS DURING CONSTRUCTION.
 6. IF EXISTING SIDEWALK AND/OR CURB AND GUTTER IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE TO NEAREST EXISTING CONSTRUCTION JOINT.
 7. PROTECT IN PLACE AND ADJUST LVMVD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVMVD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.
 8. ADDITIONAL POT HOLE LOCATIONS SHALL BE DETERMINED IN FIELD BY CONTRACTOR ONCE UTILITY LOCATES HAVE BEEN PERFORMED AND AS DEEMED NECESSARY FOR DIRECTIONAL DRILL OPERATIONS.

REV. NO.	DATE	DESCRIPTION	APPROVED



CHARLESTON BOULEVARD ITS INFRASTRUCTURE

FIBER OPTIC SYSTEM PLAN

"CB" 197+00.00 TO "CB" 217+00.00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

RECORD DRAWINGS ORIGINALLY STAMPED BY RANDY W. CARROLL NO. 16131 MAY 29, 2019 THESE PLANS HAVE BEEN ACCEPTED AS RECORD DRAWINGS. REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA MAKES NO CLAIM AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN	PROJECT No: TSC1802 DESIGNED BY: JAS APPROVED BY: JAS DRAWN BY: JAS CHECKED BY: JSR	SCALE HORIZ: AS SHOWN VERT: AS SHOWN FIELD BOOK	DRAWING NO. IC-01 SHT. 4 OF 12 L19-00948 115-442
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- PROTECT IN PLACE AND ADJUST LVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.
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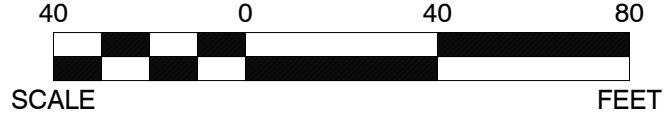
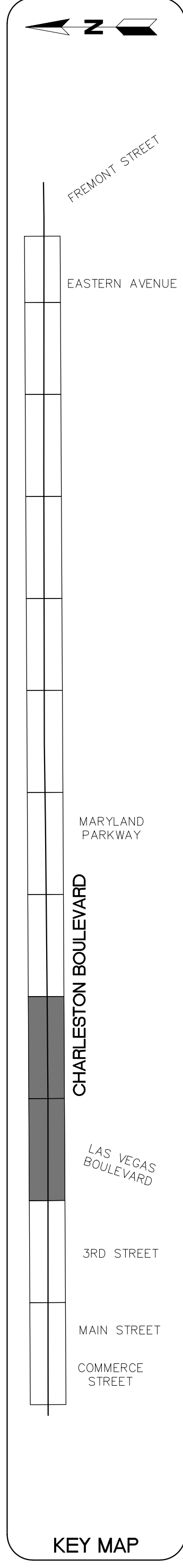
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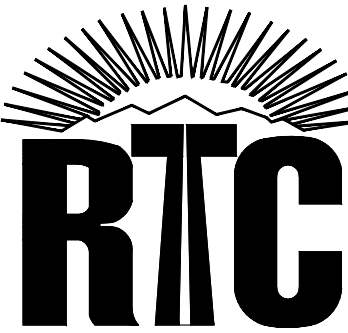
SIGNATURE ON FILE

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 136352 FIRST APPROVED DATE: 6/9/19



REV. NO.	DATE	DESCRIPTION	APPROVED



CHARLESTON BOULEVARD ITS INFRASTRUCTURE

FIBER OPTIC SYSTEM PLAN

"CB" 217+00.00 TO "CB" 237+00.00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

RECORD DRAWINGS

ORIGINALLY STAMPED BY
RANDY W. CARROLL
NO. 16131
MAY 29, 2019

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COMPLETENESS OR ACCURACY
OF THE INFORMATION SHOWN

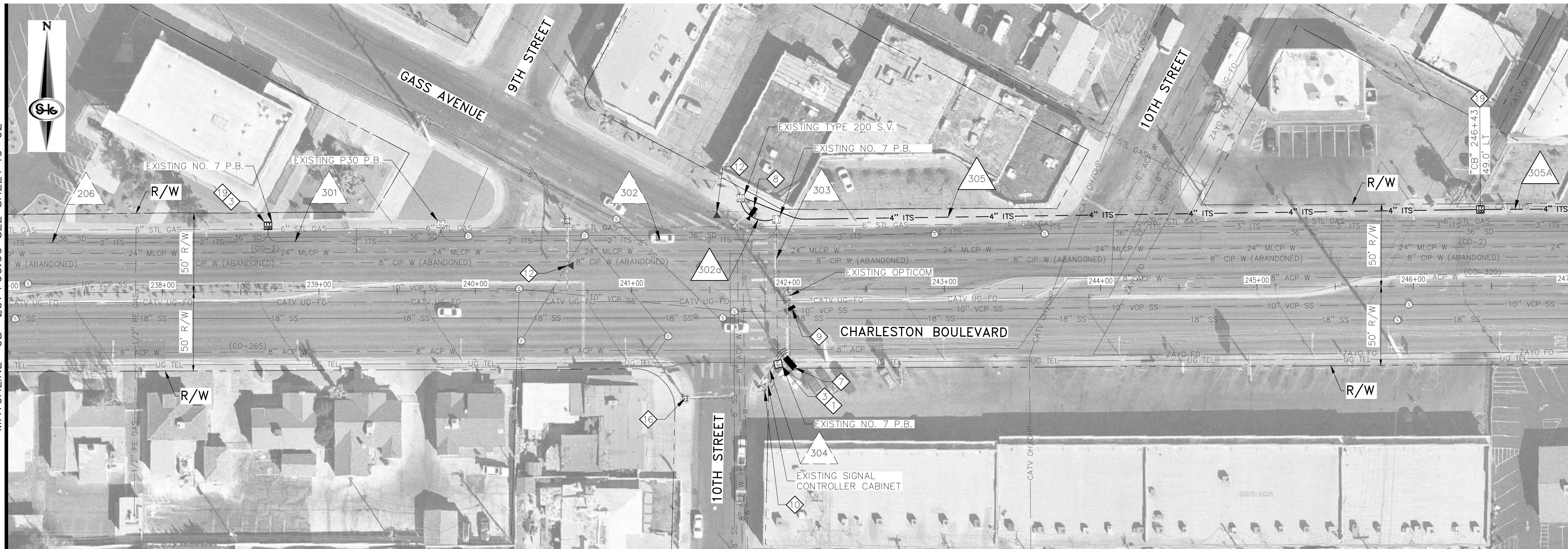
PROJECT No: TSC1802
DESIGNED BY: JAS
APPROVED BY: _____

DRAWN BY: JAS
CHECKED BY: JSR



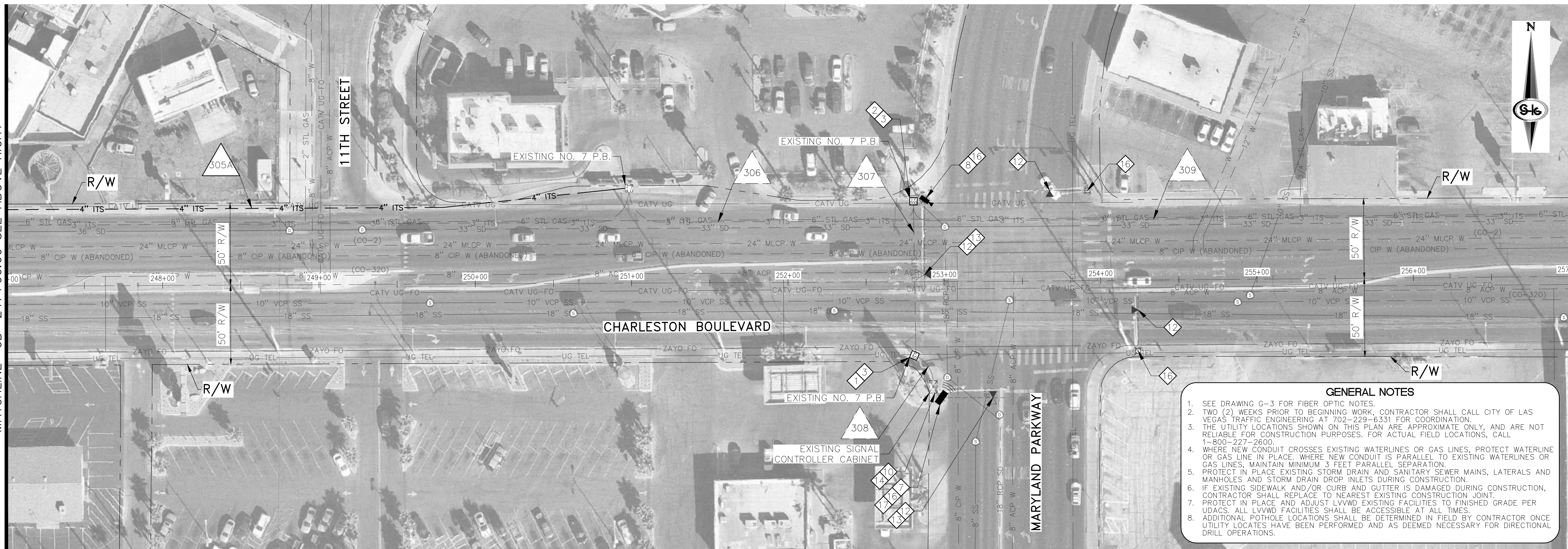
SCALE	DRAWING NO.
HORIZ: AS SHOWN	IC-02
VERT: AS SHOWN	SHT. 5 OF 12
FIELD BOOK	L19-00948
	115-442

MATCHLINE "CB" 237+00.00 SEE SHEET IC-02



MATCHLINE "CB" 247+00.00 SEE BELOW LEFT

MATCHLINE "CB" 247+00.00 SEE ABOVE RIGHT



MATCHLINE "CB" 257+00.00 SEE SHEET IC-04

- ### CONSTRUCTION NOTES
1. INSTALL P30 PULL BOX (USDCCA STD. DWG NOS. 761 & 763)
 2. INSTALL TYPE 200 SPICE VAULT (USDCCA STD. DWG NOS. 762 & 763)
 3. REMOVE EXISTING PULL BOX
 4. REPAIR BROKEN CONDUIT (SEE DETAIL 1, DRAWING IC-08 FOR PAVEMENT PATCH)
 5. REPAIR BROKEN CONDUIT (SEE DETAIL 2, DRAWING IC-08 FOR PAVEMENT PATCH)
 6. INTERCEPT AND EXTEND EXISTING CONDUIT TO PULL BOX
 7. INSTALL OPTICOM GPS EVP ON TRAFFIC SIGNAL POLE. ROUTE CABLES/CONDUCTORS THROUGH EXISTING TRAFFIC SIGNAL CONDUIT TO CABINET. INSTALL OPTICOM GPS EVP CABINET EQUIPMENT IN EXISTING RACKS
 8. INSTALL CCTV CAMERA AND EXTENSION ON POLE. ROUTE CABLES/CONDUCTORS THROUGH EXISTING TRAFFIC SIGNAL CONDUIT TO CONTROLLER CABINET. INSTALL CONTROL UNIT AND ENCODER IN CONTROLLER CABINET WITH ALL ASSOCIATED CABLES AND CONDUCTORS
 9. INSTALL TRAFFICAST DSRC AND BLUETOOTH RSU ON MAST ARM. ROUTE CABLES THROUGH MAST ARM, SIGNAL POLE AND EXISTING TRAFFIC SIGNAL CONDUIT TO CONTROLLER CABINET. MOUNT ASSOCIATED CABINET EQUIPMENT IN EXISTING CONTROLLER CABINET
 10. REMOVE AND SALVAGE EXISTING VIDEO DETECTION EQUIPMENT IN TRAFFIC SIGNAL CABINET AND REPLACE WITH NEW VIDEO DETECTION EQUIPMENT. EXISTING VIDEO DETECTION CAMERAS AND CABLES/CONDUCTORS SHALL REMAIN OR BE RELOCATED. SEE EQUIPMENT TABLE ON IC-07
 11. INSTALL NEW VIDEO DETECTION SYSTEM FOR COUNTING THROUGH THE SDLC CONNECTION TO THE CONTROLLER USING BIU'S 10 THROUGH 12. ROUTE CABLES/CONDUCTORS THROUGH EXISTING TRAFFIC SIGNAL CONDUIT TO CONTROLLER CABINET. INSTALL NEW VIDEO DETECTION CAMERA ON EACH POLE. SEE EQUIPMENT TABLE ON IC-07
 12. INSTALL MODEL 721 INFRARED OPTICOM DETECTOR CENTERED ON THE APPROACH AND ALL ASSOCIATED CABLES/CONDUCTORS AND EQUIPMENT IN EXISTING CONDUIT AND CABINETS
 13. REMOVE AND SALVAGE OPTICOM DETECTOR. USE EXISTING M-138 CABLE FOR NEW OPTICOM DETECTOR INSTALLATION
 14. REMOVE AND SALVAGE EXISTING OPTICOM PHASE SELECTOR AND INSTALL NEW 764 CARD
 15. INSTALL 768 AIP BOARD WITH GREEN SENSE HARNESS
 16. RELOCATE EXISTING VIDEO DETECTION CAMERA FROM LUMINAIRE ARM TO MAST ARM ON NEW RISER CENTERED OVER LEFT TURN/INSIDE THROUGH LANE LINE WITH NEW CONDUCTORS TO CABINET THROUGH EXISTING CONDUIT
 17. INSTALL BLUETOOTH TRAVEL TIME UNIT. ROUTE CABLES THROUGH SIGNAL INFRASTRUCTURE
 18. INSTALL NO. 7 PULL BOX WITH 12-INCH EXTENSION (USDCCA STD. DWG. NO. 707)
 19. INSTALL TYPE 100 SPICE VAULT

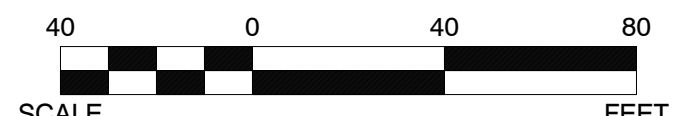
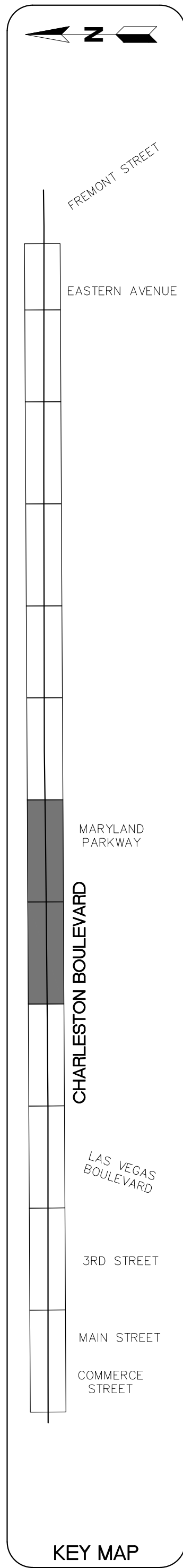
APPROVED FOR CONSTRUCTION

SIGNATURE ON FILE

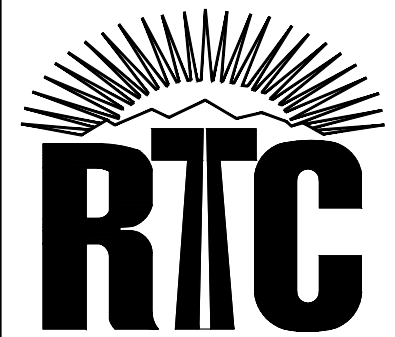
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 136352 FIRST APPROVED DATE: 6/9/19

- ### GENERAL NOTES
1. SEE DRAWING G-3 FOR FIBER OPTIC NOTES
 2. TWO (2) WEEKS PRIOR TO BEGINNING WORK, CONTRACTOR SHALL CALL CITY OF LAS VEGAS TRAFFIC ENGINEERING AT 702-229-6331 FOR COORDINATION
 3. THE UTILITY LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE ONLY AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. FOR ACTUAL FIELD LOCATIONS, CALL 1-800-227-2600.
 4. WHERE NEW CONDUIT CROSSES EXISTING WATERLINES OR GAS LINES, PROTECT WATERLINE OR GAS LINE IN PLACE. WHERE NEW CONDUIT IS PARALLEL TO EXISTING WATERLINES OR GAS LINES, MAINTAIN MINIMUM 3 FEET PARALLEL SEPARATION.
 5. PROTECT IN PLACE EXISTING STORM DRAIN AND SANITARY SEWER MAINS, LATERALS AND MANHOLES AND STORM DRAIN DROP INLETS DURING CONSTRUCTION.
 6. IF EXISTING SIDEWALK AND/OR CURB AND GUTTER IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE TO NEAREST EXISTING CONSTRUCTION JOINT
 7. PROTECT IN PLACE AND ADJUST LVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.
 8. ADDITIONAL POTHOLE LOCATIONS SHALL BE DETERMINED IN FIELD BY CONTRACTOR ONCE UTILITY LOCATES HAVE BEEN PERFORMED AND AS DEEMED NECESSARY FOR DIRECTIONAL DRILL OPERATIONS.



REV. NO.	DATE	DESCRIPTION	APPROVED



CHARLESTON BOULEVARD ITS INFRASTRUCTURE

FIBER OPTIC SYSTEM PLAN

"CB" 237+00.00 TO "CB" 257+00.00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

RECORD DRAWINGS

ORIGINALLY STAMPED BY
RANDY W. CARROLL
NO. 16131
MAY 29, 2019

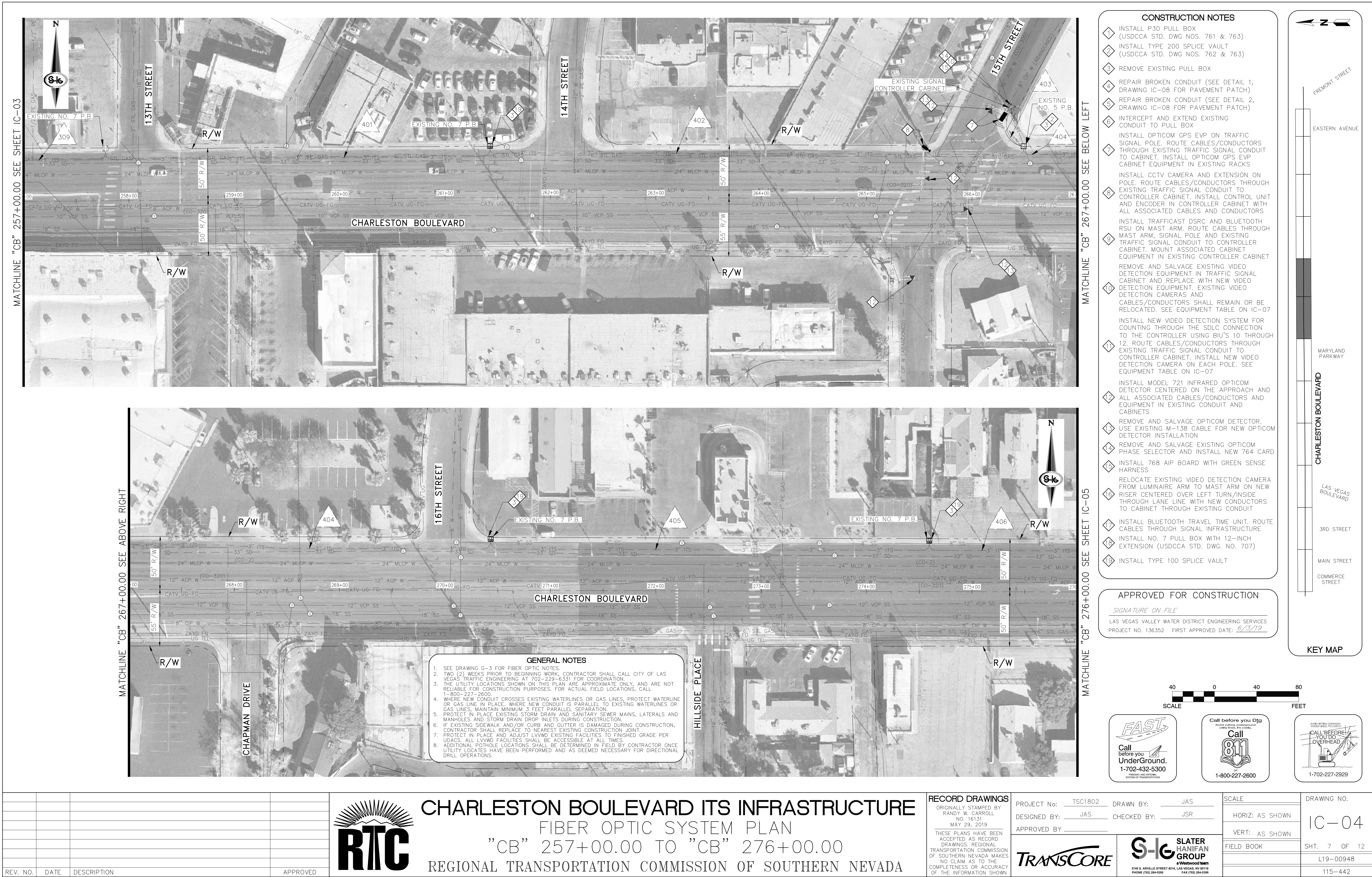
THESE PLANS HAVE BEEN
ACCEPTED AS RECORD
DRAWINGS. REGIONAL
TRANSPORTATION COMMISSION
OF SOUTHERN NEVADA MAKES
NO CLAIM AS TO THE
COMPLETENESS OR ACCURACY
OF THE INFORMATION SHOWN

PROJECT No: TSC1802
DESIGNED BY: JAS
APPROVED BY: _____

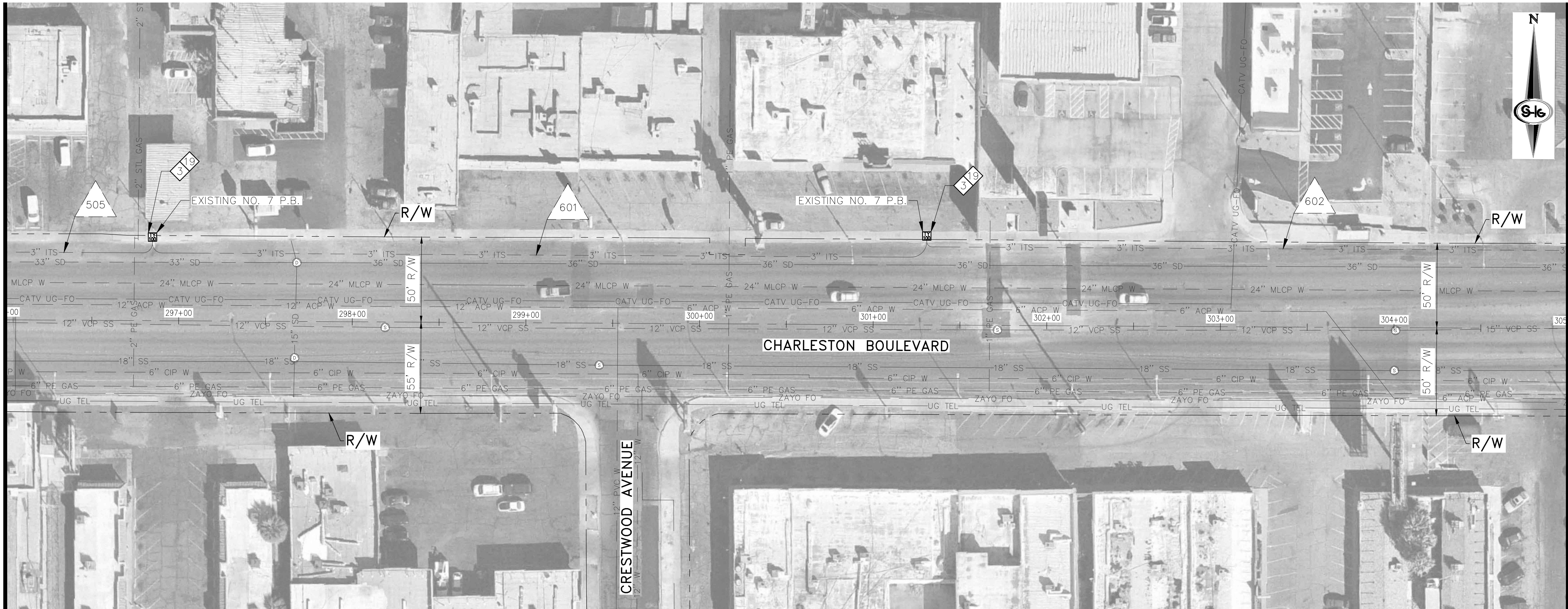
DRAWN BY: JAS
CHECKED BY: JSR

SLATER HANIFAN GROUP
a Westwood team
2740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
PHONE (702) 284-5300 FAX (702) 284-0399

SCALE	DRAWING NO.
HORIZ: AS SHOWN	IC-03
VERT: AS SHOWN	SHT. 6 OF 12
FIELD BOOK	L19-00948
	115-442

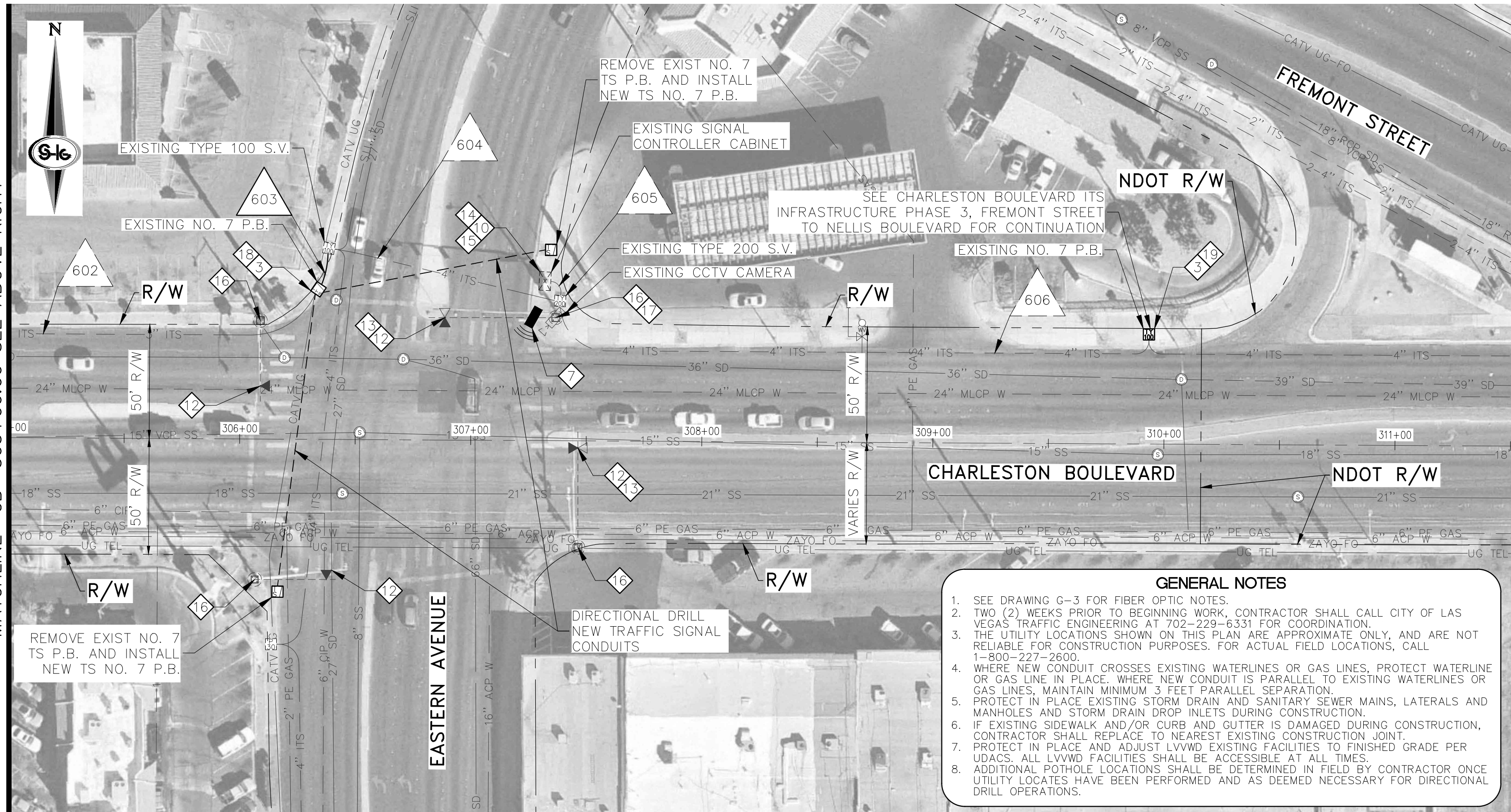


MATCHLINE "CB" 296+00.00 SEE SHEET IC-05



MATCHLINE "CB" 305+00.00 SEE BELOW LEFT

MATCHLINE "CB" 305+00.00 SEE ABOVE RIGHT



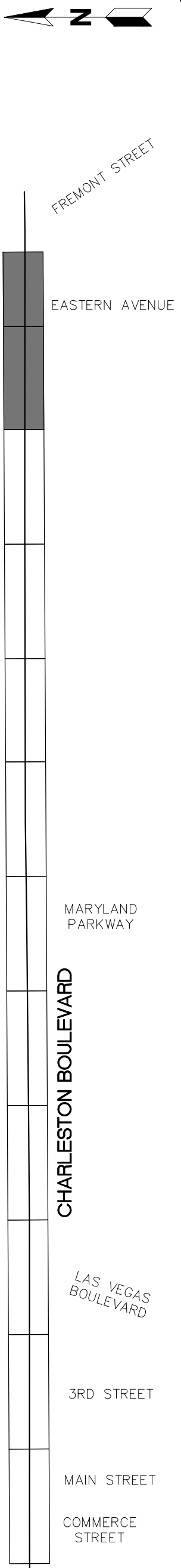
- CONSTRUCTION NOTES**
1. INSTALL P30 PULL BOX (USDCCA STD. DWG NOS. 761 & 763)
 2. INSTALL TYPE 200 SPICE VAULT (USDCCA STD. DWG NOS. 762 & 763)
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 18. INSTALL NO. 7 PULL BOX WITH 12-INCH EXTENSION (USDCCA STD. DWG. NO. 707)
 19. INSTALL TYPE 100 SPICE VAULT

APPROVED FOR CONSTRUCTION

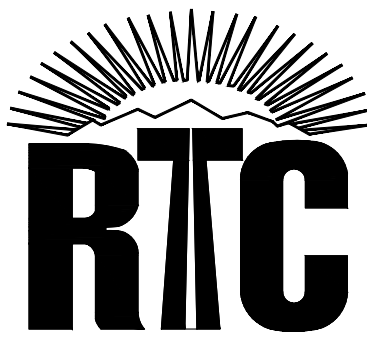
SIGNATURE ON FILE

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES
PROJECT NO. 136352 FIRST APPROVED DATE: 6/9/19

- GENERAL NOTES**
1. SEE DRAWING G-3 FOR FIBER OPTIC NOTES.
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 6. IF EXISTING SIDEWALK AND/OR CURB AND GUTTER IS DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE TO NEAREST EXISTING CONSTRUCTION JOINT.
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REV. NO.	DATE	DESCRIPTION	APPROVED



CHARLESTON BOULEVARD ITS INFRASTRUCTURE

FIBER OPTIC SYSTEM PLAN

"CB" 296+00.00 TO "CB" 311+50.00

REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

RECORD DRAWINGS

ORIGINALLY STAMPED BY
RANDY W. CARROLL
NO. 16131
MAY 29, 2019

THESE PLANS HAVE BEEN
ACCEPTED AS RECORD
DRAWINGS. REGIONAL
TRANSPORTATION COMMISSION
OF SOUTHERN NEVADA MAKES
NO CLAIM AS TO THE
COMPLETENESS OR ACCURACY
OF THE INFORMATION SHOWN

PROJECT No: TSC1802 DRAWN BY: JAS
DESIGNED BY: JAS CHECKED BY: JSR
APPROVED BY: _____



SCALE

HORIZ: AS SHOWN

VERT: AS SHOWN

FIELD BOOK

DRAWING NO.

IC-06

SHT. 9 OF 12

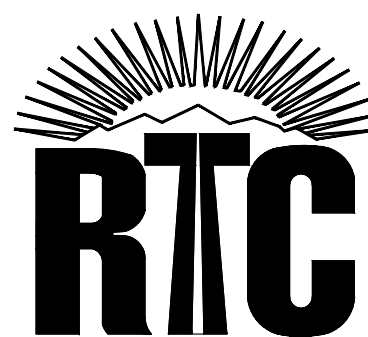
L19-00948

115-442

CONDUIT & WIRE SCHEDULE

CONDUIT NO.	FROM	TO	NO.	SIZE (IN)	LENGTH (FT)	FIBER OPTIC CABLE (# OF STRANDS)	CONDUCTOR	REMARKS
101	TYPE 200 S.V. (E)	P30 P.B. (E)	1(E)	4(E)	350(E)	96	25 PR #22 (RS) 6 PR #22	
102	P30 P.B. (E)	TYPE 200 S.V. (E)	1(E)	4(E)	75(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
103	TYPE 200 S.V. (E)	P30 P.B. (E)	1(E)	4(E)	130(E)	12 CDCA	25 PR #22 (RS) 2 – 6 PR #22	
104	P30 P.B. (E)	P30 P.B. (E)	1(E)	4(E)	80(E)	12 CDCA	25 PR #22 (RS) 2 – 6 PR #22	
105	P30 P.B. (E)	CONTROLLER CABINET (E)	1(E)	2(E)	10(E)	12 CDCA	2 – 25 PR #22 (RS) 2 – 6 PR #22	
106	TYPE 200 S.V. (E)	P30 P.B.	1(E)	2(E)	75(E)	96	25 PR #22 (RS) 6 PR #22	
107	P30 P.B.	NO. 7 P.B (E)	1(E)	2(E)	285(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
108	NO. 7 P.B (E)	CONTROLLER CABINET (E)	1(E)	2(E)	10(E)	12 CDCA	2 – 25 PR #22 (RS) 2 – 6 PR #22	
109	NO. 7 P.B (E)	TYPE 200 S.V. (E)	1(E)	2(E)	350(E)	96 12 CDCA	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
110	TYPE 200 S.V. (E)	P30 P.B.	1(E)	2(E)	100(E)	12 CDCA	25 PR #22 (RS) 2 – 6 PR #22	
111	P30 P.B.	CONTROLLER CABINET (E)	1(E)	2(E)	15(E)	12 CDCA	2 – 25 PR #22 (RS) 2 – 6 PR #22	
112	TYPE 200 S.V. (E)	NO. 7 P.B. (E)	1(E)	2(E)	230(E)	96	25 PR #22 (RS) 6 PR #22	
113	NO. 7 P.B. (E)	P30 P.B. (E)	1(E) 1 4	4(E)	5(E) 35	96	6 PR #22	COIL 96–STRAND FIBER OPTIC CABLE FOR FUTURE SPLICE BY CLV
114	P30 P.B. (E)	TYPE 200 S.V.	1(E)	4(E)	110(E)	96	6 PR #22	
115	TYPE 200 S.V.	TYPE 200 S.V.	1(E) 1	2(E) 2	335(E) 35	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
116–200 NOT USED								
201	TYPE 200 S.V.	CONTROLLER CABINET (E)	1(E)	2(E)	10(E)	12 CDCA	100 PR #22 (E)	
202	TYPE 200 S.V.	TYPE 200 S.V.	1(E)	2(E)	370(E)	96	100 PR #22 (E)	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
202a	TYPE 200 S.V.	NO. 7 P.B. W/EXTENSION	1(E)	2(E)	50(E)	96	100 PR #22 (E)	
202b	TYPE 200 S.V.	NO. 7 P.B. W/EXTENSION	1	4	50			FOR FUTURE 144–STRAND FIBER OPTIC CABLE
203	NO. 7 P.B. W/EXTENSION	CONTROLLER CABINET (E)	1(E)	2(E)	10(E)	12 CDCA	2 – 100 PR #22 (E)	
204	NO. 7 P.B. W/EXTENSION	NO. 7 P.B. (E)	1(E)	2(E)	275(E)	96	100 PR #22 (E)	
204a	NO. 7 P.B. (E)	TYPE 200 S.V.	1(E)	2(E)	190(E)	96	100 PR #22 (E)	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
204b	TYPE 200 S.V.	NO. 7 P.B. (E)	1(E)	2(E)	35(E)	96	100 PR #22 (E)	
205	NO. 7 P.B. (E)	NO. 7 P.B. (E)	1(E)	2(E)	330(E)	96	100 PR #22 (E)	
205a	NO. 7 P.B. (E)	TYPE 100 S.V.	1(E)	2(E)	500(E)	96	100 PR #22 (E)	
205b	TYPE 100 S.V.	NO. 7 P.B.	1	4	60		6 PR #22	
206	TYPE 100 S.V.	TYPE 100 S.V.	1(E)	2(E)	415(E)	96	25 PR #22 (RS) 6 PR #22	
207	NO. 7 P.B. (E)	(E)	1(E)	(E)	(E)	36(E)	25 PR #22 (E)	
207a	TYPE 200 S.V.	NO. 7 P.B. (E)	1	3	35	96		
208–300 NOT USED								
301	TYPE 100 S.V.	P30 P.B. (E)	1(E)	2(E)	115(E)	96	25 PR #22 (RS) 6 PR #22	
302	P30 P.B. (E)	NO. 7 P.B. (E)	1(E)	2(E)	125(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
302a	TYPE 200 S.V. (E)	NO. 7 P.B. (E)	1	4	30			INSTALL NEW CONDUIT BY DIRECTIONAL DRILLING
303	NO. 7 P.B. (E)	P30 P.B.	1(E)	2(E)	95(E)	12 CDCA	25 PR #22 (RS) 2 – 6 PR #22	
304	P30 P.B.	CONTROLLER CABINET (E)	1(E)	2(E)	10(E)	12 CDCA	2 – 25 PR #22 (RS) 2 – 6 PR #22	
305	TYPE 200 S.V. (E)	TYPE 100 S.V.	1	4	480	96	6 PR #22	INSTALL NEW CONDUIT BY DIRECTIONAL DRILLING
305a	TYPE 100 S.V.	NO. 7 P.B. (E)	1	4	455	96	6 PR #22	INSTALL NEW CONDUIT BY DIRECTIONAL DRILLING
306	NO. 7 P.B. (E)	TYPE 200 S.V.	1(E)	3(E)	200(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
307	TYPE 200 S.V.	P30 P.B.	1(E)	3(E)	100(E)	12 CDCA	25 PR #22 (RS) 2 – 6 PR #22	
308	P30 P.B.	CONTROLLER CABINET (E)	1(E)	3(E)	15(E)	12 CDCA	2 – 25 PR #22 (RS) 2 – 6 PR #22	
309	TYPE 200 S.V.	NO. 7 P.B. (E)	1(E)	3(E)	510(E)	96	25 PR #22 (RS) 6 PR #22	
310–400 NOT USED								
401	NO. 7 P.B. (E)	TYPE 100 S.V.	1(E)	3(E)	375(E)	96	25 PR #22 (RS) 6 PR #22	
402	TYPE 100 S.V.	TYPE 200 S.V.	1(E)	3(E)	515(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM
403	TYPE 200 S.V.	CONTROLLER CABINET (E)	1(E)	3(E)	40(E)	12 CDCA	2 – 25 PR #22 (RS) 2 – 6 PR #22	
404	TYPE 200 S.V.	TYPE 100 S.V.	1(E)	3(E)	405(E)	96	25 PR #22 (RS) 6 PR #22	
405	TYPE 100 S.V.	TYPE 100 S.V.	1(E)	3(E)	430(E)	96	25 PR #22 (RS) 6 PR #22	
406	TYPE 100 S.V.	TYPE 100 S.V.	1(E)	3(E)	505(E)	96	25 PR #22 (RS) 6 PR #22	

REV. NO.	DATE	DESCRIPTION	APPROVED



CHARLESTON BOULEVARD ITS INFRASTRUCTURE
CONDUIT AND WIRE SCHEDULE
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA

CONDUIT & WIRE SCHEDULE									
CONDUIT NO.	FROM	TO	NO.	SIZE (IN)	LENGTH (FT)	FIBER OPTIC CABLE (# OF STRANDS)	CONDUCTOR	REMARKS	
407-500 NOT USED									
501	TYPE 100 S.V.	TYPE 100 S.V.	1(E)	3(E)	490(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM	
502	TYPE 100 S.V.	TYPE 200 S.V.	1(E)	3(E)	370(E)	96	25 PR #22 (RS) 6 PR #22		
503	TYPE 200 S.V.	CONTROLLER CABINET (E)	1(E)	3(E)	25(E)	12 CDCA	2 - 25 PR #22 (RS) 2 - 6 PR #22		
504	TYPE 200 S.V.	TYPE 100 S.V.	1(E)	3(E)	440(E)	96	25 PR #22 (RS) 6 PR #22		
505	TYPE 100 S.V.	TYPE 100 S.V.	1(E)	3(E)	465(E)	96	25 PR #22 (RS) 6 PR #22		
506-600 NOT USED									
601	TYPE 100 S.V.	TYPE 100 S.V.	1(E)	3(E)	460(E)	96	25 PR #22 (RS) 6 PR #22	INSTALL ENCLOSURE AND PERFORM FIBER OPTIC SPLICE PER FAST PROVIDED SPLICE DIAGRAM	
602	TYPE 100 S.V.	NO. 7 P.B. (E)	1(E)	3(E)	540(E)	96	25 PR #22 (RS) 6 PR #22		
603	NO. 7 P.B. (E)	TYPE 100 S.V. (E)	1	4	20	96	6 PR #22		INSTALL NEW CONDUIT.
604	TYPE 100 S.V. (E)	TYPE 200 S.V. (E)	1(E)	4(E)	105(E)	96	25 PR #22 (RS) 6 PR #22		
605	TYPE 200 S.V. (E)	CONTROLLER CABINET (E)	1(E)	2(E)	15(E)	12 CDCA	2 - 25 PR #22 (RS) 2 - 6 PR #22		
606	TYPE 200 S.V. (E)	TYPE 100 S.V.	1(E)	4(E)	270(E)	96	25 PR #22 (RS) 6 PR #22		

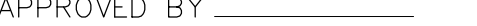
(RS) = REMOVE AND SALVAGE EXISTING
(E) = EXISTING

VEHICLE TO INFRASTRUCTURE & TRAVEL TIME EQUIPMENT SCHEDULE

INTERSECTION	CABINET LOCATION	DSRC/BT (V2I) SPECTRA RSU	BLUETOOTH TT SPECTRA BLUETOAD
CASINO CENTER/COOLIDGE	NW CORNER	NW CORNER	
CASINO CENTER/HOOVER	NW CORNER	NW CORNER	
CASINO CENTER/GASS	SE CORNER	SE CORNER	
CASINO CENTER/GARCES	SE CORNER	SE CORNER	
3RD/GASS	SW CORNER	SW CORNER	
LAS VEGAS BOULEVARD	NW CORNER		NW CORNER
PARADISE/ST LOUIS	NE CORNER	NE CORNER	
GASS/10TH	SE CORNER	SE CORNER	
MARYLAND PARKWAY	SW CORNER		SW CORNER
EASTERN AVENUE	NE CORNER		NE CORNER

VIDEO DETECTION EQUIPMENT SCHEDULE

INTERSECTION	EDGECONNECT-PAK	EDGE2-SDLC-IM-PAK	VRACK5-PS	EDGE2-TS2-IM-PAK	EDGE2-IN-PAK
CASINO CENTER BOULEVARD/ART WAY	INSTALL	—	INSTALL	INSTALL	INSTALL (4)
3RD STREET/CASINO CENTER BOULEVARD	INSTALL	INSTALL	—	—	INSTALL (4)
4TH STREET	INSTALL	INSTALL	—	—	INSTALL (4)
GASS AVENUE/10TH STREET	INSTALL	INSTALL	—	—	INSTALL (4)
MARYLAND PARKWAY	INSTALL	INSTALL	—	—	INSTALL (4)
15TH STREET	INSTALL	—	INSTALL	INSTALL	INSTALL (4)
BRUCE STREET	INSTALL	—	INSTALL	INSTALL	INSTALL (4)
EASTERN AVENUE	INSTALL	—	INSTALL	INSTALL	INSTALL (4)

RECORD DRAWINGS ORIGINALLY STAMPED BY RANDY W. CARROLL NO. 16131 MAY 29, 2019 THESE PLANS HAVE BEEN ACCEPTED AS RECORD DRAWINGS. REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA MAKES NO CLAIM AS TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN	PROJECT NO: TSC1802	DRAWN BY: JAS	SCALE	DRAWING NO.
	DESIGNED BY: JAS	CHECKED BY: JSR	HORIZ: AS SHOWN	IC-07 SHT. 10 OF 12 L19-00948 115-442
APPROVED BY	  A Westwood team 5101 S. ARROYO STREET, SUITE 100, LAS VEGAS, NV 89119 PHONE (702) 584-5000 FAX (702) 584-5100	VERT: AS SHOWN	FIELD BOOK	

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