DEPARTMENT OF PUBLIC WORKS

Mayor:
CAROLYN G. GOODMAN

City Council:
STAVROS S. ANTHONY (Mayor Pro-Tem)
MICHELE FIORE
CEDRIC CREAR
BRIAN KNUDSEN
VICTORIA SEAMAN
OLIVIA DIAZ

City Manager:
JORGE CERVANTES, P.E., P.T.O.E.

Director of Public Works:
MIKE JANSSEN, P.E., P.T.O.E.

City Engineer:
STEVE FORD, P.E.

Funded By:
RTC OF SOUTHERN NEVADA, CONTRACT #1052
FUEL REVENUE INDEXING

JACKSON AVENUE
H STREET TO C STREET

FINAL DESIGN
FEBRUARY 2022

Reviewed By:

Digitally signed by Rosa Cortez
DN: cn=Rosa Cortez, o=Public Works, ou=City of Las Vegas, email=rcortez@lasvegasnevada.gov, c=US
Date: 2022.04.04 07:28:18 -07'00'
CLV CITY ENGINEER — DATE

Randy McConnell
2022.03.30 13:55:00-07'00'
CLV PROJECT MANAGER — DATE

Digitally signed by Joey Paskey
DN: C=US, E=jpaskey@lasvegasnevada.gov, CN=Joey Paskey
Reason: I have reviewed this document
Date: 2022.03.31 08:57:38-07'00'
Joey Paskey
CLV CITY TRAFFIC ENGINEER — DATE

Digitally signed by Thomas Hayes
DN: C=US, E=thayes@lasvegasnevada.gov, O=City of Las Vegas, OU="Public Works, City Engineer Division", CN=Thomas Hayes
Date: 2022.03.30 14:15:31-07'00'
Thomas Hayes
CLV CONSTRUCTION MANAGER — DATE

Digitally signed by Joseph V. Damiani
Date: 2022.03.30 13:24:36-07'00'
Joseph V. Damiani
REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA — DATE

RTC PROJECT # 176G-FTI2

Bobbie Skrove 19RJS1320 11/29/2021
SOUTHWEST GAS CORPORATION — SWG UID — DATE

Digitally signed by Gary Skinner
Date: 2022.03.21 15:17:05 -07'00'
Gary Skinner
CENTRAL TELEPHONE COMPANY d/b/a CENTURYLINK — DATE

THE AFFIXED CENTURYLINK 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.

Digitally signed by LARRY BIALEK
Date: 2022.03.07 08:57:35 -08'00'
LARRY BIALEK
COX COMMUNICATIONS LAS VEGAS, INC. — DATE

Digitally signed by Patricia Brown
Date: 2022.03.24 14:24:02 -07'00'
Patricia Brown
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.

Digitally signed by Paul Harrison
DN: C=US, E=pharrison@lasvegasnevada.gov, O=City of Las Vegas, OU=Las Vegas Fire & Rescue/Fire Engineering, CN=Paul Harrison
Reason: I agree to the terms defined by the placement of my signature on this document
Date: 2022.02.23 15:13:54-08'00'
Paul Harrison
LAS VEGAS FIRE & RESCUE — DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022
SHEETS: GN1, GN3, TY1, DM1 TO DM4, WT1 TO WT9, DT4, SL1 TO SL3

Digitally signed by Jason Ghadery
DN: C=US, E=jason.ghadery@lvvwd.com, O=LVVWD/SNWA, OU=Planning & Engineering Services, CN=Jason Ghadery
Date: 2022.03.01 10:16:40-08'00'
Jason Ghadery

Digitally signed by Michael A Davidson
Location: Wood Rodgers
Contact Info: 775-823-4064
Date: 2022.02.23 11:25:21-08'00'
Michael A Davidson

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.

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS NV 89123
T 702.220.2990

MICHAEL A DAVIDSON
EXP: 12/31/22
CIVIL
No. 19970
STATE OF NEVADA
2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: COVER SHEET

PREPARED FOR: CITY OF LAS VEGAS
BID # 21.MWA400-C | DATE: SEPT-2021 | DESIGNED BY: MAK
MWA # 400 | DRAWN BY: DAB
SUBMITTAL STAGE: FINAL | CHECKED BY: MAD

SHEET CV
1 OF 59
DRAWING NO. 107V8328

2/23/22 J:\JOBS\8344_CT_LAS_VEGAS\JACKSON_AVENUE_CAD\CIVIL\107V8328MWA400C\107V8

CITY OF LAS VEGAS GENERAL NOTES

1. 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 ISSUE; 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".

2. 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.

3. 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.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. 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.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.

8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS.

9. 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.

10. 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.

11. 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.

12. 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.

13. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED, AND SHALL BE DONE ONLY BY A NEVADA PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH THE UNIFORM STANDARD DRAWINGS - CLARK COUNTY AREA. A RECORD-OF-SURVEY FOR REPLACEMENT OF PERMANENT SURVEY MONUMENTS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO RECORDING. THE RECORD-OF-SURVEY SHALL BE PREPARED IN ACCORDANCE WITH NEVADA REVISED STATUTES 625.350.

14. 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.

15. 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.

16. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHTS OF WAY.

17. 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.

18. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT AND CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

19. 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.

20. NEWLY INSTALLED AND EXISTING UTILITIES EXPOSED DURING CONSTRUCTION SHALL BE SURVEYED AND DOCUMENTED PER SECTION 622 OF THE SPECIAL PROVISIONS.

21. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTION SHALL BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.

22. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED JULY 23, 2015 (CPM VERSION)

APPROVED FOR CONSTRUCTION

Jason N. Shadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

CITY OF LAS VEGAS GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.

2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.

3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.

4. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.

5. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.

6. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.

7. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.

8. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, SUCH ITEM SHALL BE PROVIDED, AS DIRECTED BY THE CITY ENGINEER, AT NO EXPENSE TO THE CITY OF LAS VEGAS. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED APRIL 13, 2015 (CPM VERSION)

CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.

3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.

4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.

5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.

6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.

7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.

8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.

9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.

10. INSTALLATION OF CURVED SEWERS REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

REVISED JANUARY 13, 2015

CITY OF LAS VEGAS STREET LIGHT NOTES

1. 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 (USS), AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA" (USD), LATEST REVISION.

2. DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS.

3. LUMINAIRES SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136 THAT INDICATE WATTAGE AND ARE CLEARLY VISIBLE FROM STREET LEVEL

4. 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 USS.

5. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 623 G.03.01 OF THE USS.

6. ALL EMPTY CONDUIT SHALL HAVE AT LEAST ONE GREEN No. #8 AWG WIRE INSTALLED AS TRACER WIRE IN ACCORDANCE WITH SECTION 623 G.02.01 OF THE USS PRIOR TO BACKFILLING AND FINAL INSPECTION.

7. 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.

8. 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.

9. SERVICE POINTS SHALL BE COORDINATED WITH NV ENERGY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. SERVICEPOINTS SHALL BE SHOWN ON THE PLANS.

10. NEW STREETLIGHT SERVICES SHALL BE 200 AMP PADMOUNT AND SHALL PROVIDE CAPACITY FOR 20 OR 24 AVAILABLE CIRCUITS.

11. 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.

CITY OF LAS VEGAS STREET LIGHT NOTES - CONTINUED

12. 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 702-229-6331 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.

REVISED May 19, 2020 (CPM VERSION)

CITY OF LAS VEGAS TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.

2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.

3. 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 FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCROACHED 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.

5. 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.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE XI RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CCAUSS 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. 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.

7. 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.

8. 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.

9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.

10. 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.

11. 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.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA (RTC) TRANSIT 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.

13. 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.

14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

15. 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 JUNE 4, 2018

CITY OF LAS VEGAS FIBER OPTIC NETWORK NOTES

1. RIGHT OF WAY 80 FEET OR WIDER, FURNISH AND INSTALL TWO 4-INCH PVC CONDUITS WITH #8 AWG THW GREEN BOND GROUNDS ON BOTH SIDES OF THE ROADWAY.

2. FOR RIGHT OF WAY LESS THAN 80 FEET, FURNISH AND INSTALL TWO 4-INCH PVC CONDUITS WITH #8 AWG THW GREEN BONDS GROUND ON SIDE OF THE ROADWAY.

3. PROVIDE 4-INCH CONDUIT CONNECTIONS WITH #8 AWG THW GREEN BOND GROUND CROSSING THE STREET AND CONNECT TO THE 4 INCH CONDUIT ON EACH SIDE OF THE STREET WITH P30 PULL BOXES, EXCEPT WHEN ADJACENT TO A TRAFFIC SIGNAL CONTROLLER CABINET INSTALL A TYPE 200 SPLICE VAULT.

4. FURNISH AND INSTALL P30 PULL BOX PER USDCCA STD. DWG. NO. 761 AT EACH NON-SIGNALIZED INTERSECTION WITH "FIBER OPTIC CLV" INSCRIBED ON COVER.

5. FURNISH AND INSTALL TYPE 200 SPLICE VAULT PER USDCCA STD. DWG. 762 AT EACH SIGNALIZED INTERSECTION WITH "FIBER OPTIC CLV" INSCRIBED ON COVER.

6. PROVIDE ONE 4-INCH CONDUIT CONNECTION BETWEEN TYPE 200 FIBER OPTIC CLV SPLICE VAULT AND RTC-FAST TRAFFIC SIGNAL TYPE 200 SPLICE VAULT WHEN APPLICABLE.

7. FURNISH AND INSTALL HOFFMAN U6969APP TELECOM CABINET OR APPROVED EQUAL. TELECOM CABINET SHALL BE POLE MOUNTED PER CABINET MOUNTING DETAIL WITH FINISH COLOR SPECIFIED BY THE CITY OF LAS VEGAS.

8. TELECOM CABINET WILL BE POWERED FROM TRAFFIC SIGNAL SERVICE PEDESTAL WITH TWO DEDICATED 20 AMP CIRCUITS. EACH CIRCUIT WILL BE LANDED ON A POWER STRIP IN CABINET. PROVIDE CONDUIT AND CONDUCTOR BETWEEN SERVICE PEDESTAL AND TELECOM CABINET.

9. MOUNT TELECOM CABINET 6 INCHES ABOVE TRAFFIC SIGNAL MAST ARM HANDLE HOLE ON TRAFFIC SIGNAL SHAFT (APPROXIMATELY 19 FEET).

10. FURNISH AND INSTALL 72 STRAND FIBER OPTIC CABLE AND #8 AWG THW GREEN BOND GROUND ON ONE SIDE OF THE STREET FOR CLV FIBER OPTIC COMMUNICATIONS NETWORK.

11. FURNISH AND INSTALL 12 STRAND CDCA FROM THE TYPE 200 VAULT TO THE POLE MOUNTED TELECOM CABINET. CITY OF LAS VEGAS TO PROVIDE FIBER SPLICE DETAILS.

CITY OF LAS VEGAS FIBER OPTIC NETWORK NOTES - CONTINUED

12. ETHERNET SWITCH WILL BE PROVIDED BY THE OWNER AFTER CONSTRUCTION HAS STARTED. THE CONTRACTOR WILL BE REQUIRED TO PICK UP AND INSTALL THE SWITCH IN EACH TELECOM CABINET AS SHOWN ON THE CONTRACT DRAWINGS AND AS DIRECTED BY THE ENGINEER.

REVISED FEB 18, 2020

CITY OF LAS VEGAS FIRE AND RESCUE NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6631 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. ONLY FIRE HYDRANTS THAT ARE ON THE LAS VEGAS VALLEY WATER DISTRICT'S APPROVED PRODUCTS LIST ARE ALLOWED TO BE INSTALLED.
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC § 105.6.15
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC § 3310, § 3312
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC § 507.5.7.3
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC § 106.3
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC § 507.2.1, NFPA 24
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC § 507
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC § 507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC § 507
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC § C102
    - RESIDENTIAL - 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
    - COMMERCIAL - 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 30,000 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. IFC § C102.8
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC § C102.10
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § 102.4
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC § C102.6
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS/SPRINKLER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM. FOR SYSTEMS REQUIRED TO HAVE TWO (2) SOURCES OF WATER SUPPLY, SECTION CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. FOR SYSTEMS PERMITTED TO HAVE ONE SOURCE OF WATER SUPPLY, SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 3 FIRE HYDRANTS AND/OR FIRE SPRINKLER LEAD-INS CAN BE OUT OF SERVICE DUE TO A SERVICE INTERRUPTION. IFC § C104
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC § 503.2.3
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL N

CLV TRAFFIC SIGNAL NOTES

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-OVERHEAD	1-702-227-2929
CALL-BEFORE-YOU-DIG	1-800-227-2600
STREETLIGHTS	1-702-229-6331
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. SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND ONE 40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT AND SHALL HAVE A CAPACITY OF 20 OR 24 CIRCUITS.

5. LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW. LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).

6. LUMINAIRES ON ALL SIGNAL POLES SHALL BE L.E.D. AS APPROVED BY THE CITY OF LAS VEGAS (CLV). DESIGN PROFESSIONAL AND CONTRACTOR SHALL VERIFY CITY'S LATEST LED FIXTURE SPECIFICATIONS AND APPROVED FIXTURES PER CLV WEBSITE, UNDER BUILDING AND SAFETY FORMS, PRIOR TO ORDERING MATERIALS. INTERSECTION LIGHTING SHALL MEET THE REQUIREMENTS OF UNIFORM STANDARD DRAWING NUMBER 300.S3. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINAIRES THERE SHALL BE 2(TWO)-#4 AWG THW CONDUCTORS FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.

7. LUMINAIRES SHALL BE MARKED TO INDICATE INSTALLATION ORIENTATION, AND SHALL HAVE EXTERNAL LABELS PER ANSI C136.15 THAT INDICATE WATTAGE AND ARE CLEARLY VISIBLE FROM STREET LEVEL. TRAFFIC SIGNAL LUMINAIRES INSTALLED ADJACENT TO RESIDENTIAL HOUSING SHALL BE INSTALLED WITH MANUFACTURER PROVIDED HOUSE-SIDE SHIELDS.

8. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRES PHOTO CELL FOR CONTROL WITH #10 AWG THW COPPER STRANDED WIRE (TYPICAL), THE SIGN SHALL BE WIRED TO THE LUMINAIRE DIRECTLY ABOVE IT. IN THE EVENT THERE IS NO LUMINAIRE ON THE TRAFFIC SIGNAL POLE, THE 1000 WATT P.E. CONTROL SHALL BE MOUNTED ON THE POLE CAP. ALL NEW ILLUMINATED STREET NAME SIGNS SHALL HAVE LIGHT EMITTING DIODE (LED) LAMPS PER SECTION 623 T.02.16 OF THE SPECIAL PROVISIONS.

9. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.

10. ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 705, NO. 706, AND NO. 707.

11. TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.

12. PEDESTRIAN PUSH BUTTONS SHALL BE AUDIBLE TACTILE "POLARA iNAVIGATOR" TYPE (2-WIRE PEDESTRIAN PUSHBUTTON SYSTEM WITH iN2 PUSH BUTTON STATIONS AND SHELF-MOUNT BIU CONTROL UNIT WITH SDLC CABLE) IN ACCORDANCE WITH CITY OF LAS VEGAS SPECIAL PROVISIONS AND SECTION 623 OF THE CCA USS. PUSH BUTTON SIGNS SHALL BE R10-3e PER MUTCD, 2009 EDITION, WITH FULL MOUNTING BRACKETS, AS MODIFIED BY THE MANUFACTURER TO FIT ON A 9"X12" SIGN, AND SHALL BE PORCELAIN-ENAMELED METAL. ALL PUSH BUTTONS TO BE MOUNTED 42" ABOVE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE IS TO BE 10". SIDEWALK RAMPS WILL BE ACCORDING TO U.S.D. No. 235 (1-4) LATEST EDITION. WHEN AN EXISTING SIGNAL WITH EXISTING AUDIBLE-TACILE PUSH BUTTONS IS MODIFIED, THE CONTRACTOR SHALL VERIFY NEW PEDESTRIAN PUSH BUTTONS OR CABINET EQUIPMENT MATCHES THE MANUFACTURE AND MODEL OF ANY EXISTING EQUIPMENT SCHEDULED TO REMAIN, TO PROVIDE A FULLY FUNCTIONING SYSTEM. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL CABINET EQUIPMENT, INCLUDING THE PEDESTRIAN PUSH BUTTON CONTROL UNIT, INTERFACE PANEL AND ANY REQUIRED HARNESSES, TO PROVIDE A FULLY FUNCTIONING SYSTEM.

13. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.

14. MAST ARM R10-12 SIGNS TO BE ADJACENT (NO GAP) TO THE M-5 SIGNAL HEAD. WHERE FLASHING YELLOW ARROW LEFT TURN SIGNALS ARE USED, A MAST ARM R10-12F "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN SHALL BE MOUNTED ADJACENT TO THE M-4 SIGNAL HEAD.

15. TRAFFIC SIGNAL CABINET SHALL BE A TYPE VIII CABINET UNLESS OTHERWISE SPECIFIED IN THE PLANS. THIS IS COMMONLY REFERRED TO AS AN "R" CABINET. THE CABINET SHALL CONFORM TO THE CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS AND THE CITY OF LAS VEGAS SPECIAL PROVISIONS AND SHALL BE A NEMA TS2-TYPE2 CABINET. INSTALL CABINET NEAR THE R.O.W. LINE OR AS SHOWN ON THE DRAWINGS. THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE EQUIPPED WITH 16 LOAD BAY POSITIONS AND SHALL BE A 64 DETECTOR CHANNEL R CABINET WITH RACK-MOUNTED DETECTION. THE CABINET SHALL CONTAIN A 764 OPTICOM PHASE SELECTOR, WITH A 768 AUXILIARY INTERFACE PANEL MOUNTED IN THE CABINET AND FULLY WIRED FOR GREEN SENSE CAPABILITIES. THE CABINET SHALL BE EITHER: MODEL R-44 CAB, TS2-2, LAS VEGAS, 64CH DET, PART # M73650 FROM MCCAIN, INC.; MODEL MOBOTREX LAS VEGAS TS2-TYPE2 16 POS., 64 CH. DET, DRAWING # TF4216TLV01 REV 3 FROM SIERRA TRANSPORTATION AND TECHNOLOGIES; OR MODEL TS2-2 HV 16 POSITION HORIZONTAL CITY OF LAS VEGAS CABINET, PART # 34413G12-02-06 FROM ECONOLITE CONTROL PRODUCTS, INC. ALL CABINETS SHALL BE PROVIDED WITH A COMPLETE SET OF FOUR BUS INTERFACE UNITS, POWER SUPPLY AND SDLC CABLES TO PROVIDE A FULLY FUNCTIONING SYSTEM. CABINET POWER SUPPLIES SHALL BE RENO A&E MODEL CPS-TS2-LED, PEEK MODEL PS101, OR ECONOLITE PS-200. BIU'S SHALL BE RENO A&E MODEL 1240, PEEK MODEL BUS INTERFACE UNIT 82-1886-01, OR ECONOLITE PART # 160-1018-501.

16. THE CONTRACTOR SHALL SUPPLY A MALFUNCTION MANAGEMENT UNIT (MMU) TO THE CITY OF LAS VEGAS TRAFFIC SIGNAL REPAIR SHOP A MINIMUM OF FOURTEEN DAYS PRIOR TO SIGNAL TURN-ON OR PRIOR TO CONVERTING TO A NEW PHASING SCHEME, FOR TESTING AND PROGRAMMING PURPOSES. THE MMU SHALL BE A MODEL MMU-1600GE AS MANUFACTURED BY RENO A&E, OR APPROVED EQUAL. THE CONTRACTOR SHALL DELIVER THE MMU TO AND PICKUP THE CONTROLLER AT 2985 RONEMUS DRIVE. CONTRACTOR SHALL NOTIFY TRAFFIC ENGINEERING FIELD OPERATIONS (702-229-6331) SEVEN DAYS PRIOR TO PICK UP. THE CITY, AT ITS DISCRETION, MAY PROVIDE A DIFFERENT MODEL MMU FOR INITIAL TURN-ON, IN WHICH CASE CITY PERSONNEL WILL SWAP THE MMU AFTER THE PROJECT IS ACCEPTED.

17. CONTRACTOR SHALL POTHOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.

18. ALL MAST ARMS TO BE HOT-DIP GALVANIZED BY THE MANUFACTURER THE MAST ARM IS TO BE FABRICATED WITH END TENON ONLY. THE END TENON SHALL BE FACTORY INSTALLED AND THE REMAINING TENONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 808 SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0, "SPECIFICATION FOR WELDED HIGHWAYS AND RAILWAY BRIDGES," AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.

19. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF LAS VEGAS SPECIAL PROVISIONS AND TO SECTION 623 OF THE CCA USS. ALL PEDESTRIAN SIGNAL FACES SHALL PROVIDE "WALKING PERSON", "HAND", AND "COUNTDOWN" MESSAGES AS PROVIDED BY DURALIGHT MODEL #JXM-400-VIEIL OR DIALIGHT MODEL #430-6479-001X, OR APPROVED EQUAL. THE "COUNTDOWN" MESSAGE SHALL NOT FLASH. WHERE EXISTING SIGNALS ARE MODIFIED, THE CONTRACTOR SHALL VERIFY THAT LED PEDESTRIAN INDICATIONS FOR A SPECIFIC PHASE ARE OF THE SAME MANUFACTURE SO THAT THEY FUNCTION CORRECTLY, OR SHALL REPLACE ALL COUNTDOWN PEDESTRIAN INDICATIONS FOR THAT PHASE.

CLV TRAFFIC SIGNAL NOTES - CONTINUED

20. VIDEO DETECTION SYSTEMS SHALL BE TS2 COMPATIBLE AND SHALL INPUT DETECTOR CALLS TO THE CONTROLLER THROUGH AN SDLC CABLE. SYSTEMS WILL BE EITHER ITERIS EDGE 2-11N PROCESSORS WITH VRACK5-PS, EDGE2-TS2-IM-PAK AND EDGECONNECT PAK, (IP ADDRESSABLE); PEEK VIDEOTRAK IQ (WITH ETHERNET PORT AND SDLC); ECONOLITE AUTOSCOPE VISION SYSTEM WITH COMM MANAGER AND MINI DETECTION PROGRAMMING KIT MOUNTED IN THE CABINET; OR TRAFICON VIP WITH VIEWCOM (IP ADDRESSABLE) AND PIM (SDLC). 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 VIDEO 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 WHEN COAX IS USED. 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.

21. WHERE NEW LOOPS WILL BE OVERLAID WITH NEW PAVEMENT, LOOP DETECTORS SHALL BE PREFORMED LOOPS AS MANUFACTURED BY RENO A & E LOOP SYSTEMS AND ALL LOOPS SHALL BE INSTALLED IN THE ROADWAY PRIOR TO PLACEMENT OF THE FINAL PAVEMENT LIFT. WHERE NEW LOOPS ARE INSTALLED THAT ARE NOT OVERLAID WITH NEW PAVEMENT, LOOPS SHALL BE CABLE-IN-DUCT PER SECTION 623 T.02.04.C OF THE CITY OF LAS VEGAS SPECIAL PROVISIONS. LOOP LEAD-IN CABLE SHALL BE 6-PAIR 18 AWG MULTIPLE CONDUCTOR CABLE AS SPECIFIED IN SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS. ALL WIRING HARNESSES, RACK POSITIONS, AND LOOP LEAD-IN CABLE SHALL BE CLEARLY MARKED AS TO THE APPROPRIATE PHASE AND LETTER DESIGNATION TO WHICH IT BELONGS AS SHOWN ON THE TRAFFIC SIGNAL PLANS. LOOPS SHALL BE LOCATED AS SHOWN ON THE TRAFFIC SIGNAL PLANS AND APPROVED BY THE CLV TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION. REFER TO SECTION 623T.02.04 OF THE CLV SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

22. 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.

23. 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.

24. INTERCONNECT CABLE SHALL BE AS SHOWN IN THE WIRE SCHEDULE.

25. THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS, STRIPING AND SIGNS AS IDENTIFIED ON THE PLANS.

26. 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.

27. THE CONTRACTOR SHALL MAINTAIN EXISTING SIGNALS THROUGH THE LIFE OF THE PROJECT PER SECTION 623 G.03.01N OF THE CLV SPECIAL PROVISIONS.

REVISED JANUARY 11, 2021

SOUTHERN NEVADA - SOUTHWEST GAS CORPORATION GENERAL NOTES

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
2. MINIMAL HORIZONTAL AND VERTICAL CLEARANCES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER AS DICTATED BY LOCAL CODES AND STANDARDS.
   a) ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES
3. FOR VALVE ADJUSTMENT CONTACT 702-528-7881 14 DAYS PRIOR TO CONSTRUCTION
4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-365-2099
5. FOR STANDBY WHEN EXCAVATING (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES CONTACT 702-278-8451 48 HOURS PRIOR TO CONSTRUCTION.

ALL CIVIL IMPROVEMENT PLANS MUST INCLUDE SOUTHWEST GAS CORPORATION HIGH PRESSURE NOTES ON THE NOTES SHEET AND ALL SHEETS DEPICTING HIGH PRESSURE NATURAL GAS MAINS AS INDICATED BELOW:

CAUTION: HIGH PRESSURE GAS!!

CALL SOUTHWEST GAS AT 702-278-8451 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION

APPROVED FOR CONSTRUCTION		
Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

LEGEND

- CONTOUR - MAJOR (2020)
- CONTOUR - MINOR (2015)
- CENTERLINE
- PROFILE GRADE LINE
- EDGE OF PAVEMENT
- FLOWLINE
- BACK OF CURB
- SIDEWALK
- RIGHT OF WAY LINE
- PROPERTY LINE
- PATCH / SAWCUT LINE
- GRADE BREAK
- CONDUIT - FIBER (NEW)
- CONDUIT - FIBER (EX.)
- CONDUIT - PHONE (NEW)
- CONDUIT - PHONE (EX.)
- CONDUIT - POWER (NEW)
- CONDUIT - POWER (EX.)
- CONDUIT - SL (NEW)
- CONDUIT - SL (EX.)
- CONDUIT - CATV (NEW)
- CONDUIT - CATV (EX.)
- CONDUIT - TS (NEW)
- CONDUIT - TS (EX.)
- PIPE - IRRIGATION (NEW) SMALLER THAN 12"
- PIPE - IRRIGATION (EX.) SMALLER THAN 12"
- PIPE - NATURAL GAS (NEW) SMALLER THAN 12"
- PIPE - NATURAL GAS (EX.) SMALLER THAN 12"
- PIPE - NATURAL GAS (NEW) 12" AND LARGER
- PIPE - NATURAL GAS (EX.) 12" AND LARGER
- PIPE - SANITARY SEWER (NEW) SMALLER THAN 12"
- PIPE - SANITARY SEWER (EX.) SMALLER THAN 12"
- PIPE - SANITARY SEWER (NEW)12" AND LARGER
- PIPE - SANITARY SEWER (EX.)12" AND LARGER
- PIPE - STORM (NEW) SMALLER THAN 12"
- PIPE - STORM (EX.) SMALLER THAN 12"
- PIPE - STORM (NEW) 12" AND LARGER
- PIPE - STORM (EX.) 12" AND LARGER
- PIPE - WATER (NEW) SMALLER THAN 12"
- PIPE - WATER (EX.) SMALLER THAN 12"
- PIPE - WATER (NEW) 12" AND LARGER
- PIPE - WATER (EX.) 12" AND LARGER

- ASPHALT (REMOVAL)
- ASPHALT (NEW)
- CONCRETE (REMOVAL)
- CONCRETE (NEW)
- MEDIAN (REMOVAL)
- LANDSCAPING (NEW)
- ADA RAMP (NEW)
- EXISTING BUILDING
- AUTHORIZATION TO ENTER PROPERTY (AEP)

SYMBOLS

- ANTENNA / TOWER
- AREA LIGHT
- BENCHMARK
- BLOW OFF
- BUS SHELTER
- CABINET
- FIRE HYDRANT
- HC PARKING SYMBOL
- IRR. CONTROLER
- LOOP DETECTOR
- MANHOLE
- METER (BOX)
- METER (PEDISTAL)
- PALM TREE
- PULLBOX
- SHRUB
- SIDEWALK RAMP
- SIGN
- STREET LIGHT
- STORM DRAIN INLET
- SURVEY MONUMENT
- TRAFFIC PED. SIGNAL
- TRAFFIC SIGNAL POLE
- TREE
- UTILITY POLE
- UTILITY POLE GUY WIRE
- VALVE
- VAULT
- WHEEL STOP

ABBREVIATIONS

@	AT	IRR	IRRIGATION
AB	ABANDONED	L	LENGTH
AC	ASPHALTIC CONCRETE	LF	LINEAL FOOT, LINEAR FEET
ACP	ASBESTOS CEMENT PIPE	LT	LEFT
AEP	AUTHORIZATION TO ENTER PROPERTY	LVVWD	LAS VEGAS VALLEY WATER DISTRICT
AMS	ARTERIAL MANAGEMENT SYSTEM	MH	MANHOLE
APPROX	APPROXIMATE	MLCP	MULTI-LAYER COMPOSITE PIPE
AVAR	AIR VALVE ASSEMBLY	MOD	MODIFIED
B/C, BC	BACK OF CURB	MTR	METER
BCR	BACK OF CURB RADIUS	NDOT	NEVADA DEPT OF TRANSPORTATION
BM	BENCHMARK		
BOT	BOTTOM	NTS	NOT TO SCALE
BR	BACK OF RAMP	NVE	NV ENERGY
C & G	CURB AND GUTTER	OHP	OVERHEAD POWER LINE
CALC'D	CALCULATED	OHU	OVERHEAD UTILITIES
CATV, TV	CABLE TELEVISION	PB	PULL BOX
CC	CLARK COUNTY	PC	POINT OF CURVATURE
CCPW	CLARK COUNTY PUBLIC WORKS	PCC	POINT OF COMPOUND CURVE
CFO	CITY OF LAS VEGAS FIBER OPTIC	PH	POTHOLE
CIPP	CURED-IN-PLACE PIPE	P.I.P.	PROTECT IN PLACE
℄, CL	CENTERLINE	PP	POWER POLE
CLSM	CONTROLLED LOW STRENGTH MATERIAL	PRC	POINT OF REVERSE CURVE
		PT	POINT OF TANGENCY
CLV	CITY OF LAS VEGAS	℄ , PL	PROPERTY LINE
CMP	CORRUGATED METAL PIPE	R RADIUS	RT RIGHT
CONC	CONCRETE	R/W, R.O.W.	RIGHT OF WAY
COND	CONDUCTOR	SCCP	STEEL CYLINDER CONCRETE PIPE
CPM	CAPITAL PROJECT MANAGEMENT	SD	STORM DRAIN
D, DIA	DIAMETER	SF	SQUARE FOOT
DCSWCS	DESIGN & CONSTRUCTION STDS FOR WASTEWATER COLLECTION SYSTEMS	SP	SPECIAL PROVISIONS
		SS	SANITARY SEWER
		STA.	STATION
DG	DECOMPOSED GRANITE	STD	STANDARD
DI	DROP INLET	SL	STREET LIGHT
DIP	DUCTILE IRON PIPE	SV	SPRINKLER VALVE
D/W	DRIVEWAY	S/W	SIDEWALK
DWG	DRAWING	SWG	SOUTHWEST GAS
ECR	END OF CURB RETURN (AT B/C)	SY	SQUARE YARD
ELEC, E	ELECTRIC	T, TEL	TELEPHONE
ELEV	ELEVATION	TC	TOP OF CURB
EOP, EP	EDGE OF PAVEMENT	TCE	TEMP. CONSTRUCTION EASEMENT
EX.	EXISTING		
FAST	FREEWAY & ARTERIAL SYSTEM OF TRANSPORTATION (INTERCONNECT)	TEMP.	TEMPORARY
		TRANS.	TRANSITION
		TRC	TOP OF RAMP CURB
FC	FACE OF CURB	TS	TRAFFIC SIGNAL
FD	FOUND	TYP.	TYPICAL
FG	FINISHED GRADE	UDACS	UNIFORM DESIGN & CONSTRUCTION STDS FOR POTABLE WATER DISTRIBUTION SYSTEMS
FH, HYD	FIRE HYDRANT		
FT	FOOT, FEET		
G	GAS		
GM	GAS METER	USD	UNIFORM STANDARD DRAWING
GV	GAS VALVE	USS	UNIFORM STD SPECIFICATIONS
GW	GUY WIRE	VERT.	VERTICAL SCALE
HP	HIGH PRESSURE	W	WATER LINE
HOR.	HORIZONTAL SCALE	WC	WHEEL CHAIR
INT	INTERSECTION	WM	WATER METER
		WV	WATER VALVE
		W/	WITH
		Δ	INCLUDED DELTA ANGLE

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

PROFESSIONAL ENGINEER STATE OF NEVADA MICHAEL A DAVIDSON EXP. 12/31/22 CIVIL NO. 19870
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
NOTES, LEGEND & ABBREVIATIONS

PREPARED FOR
CITY OF LAS VEGAS

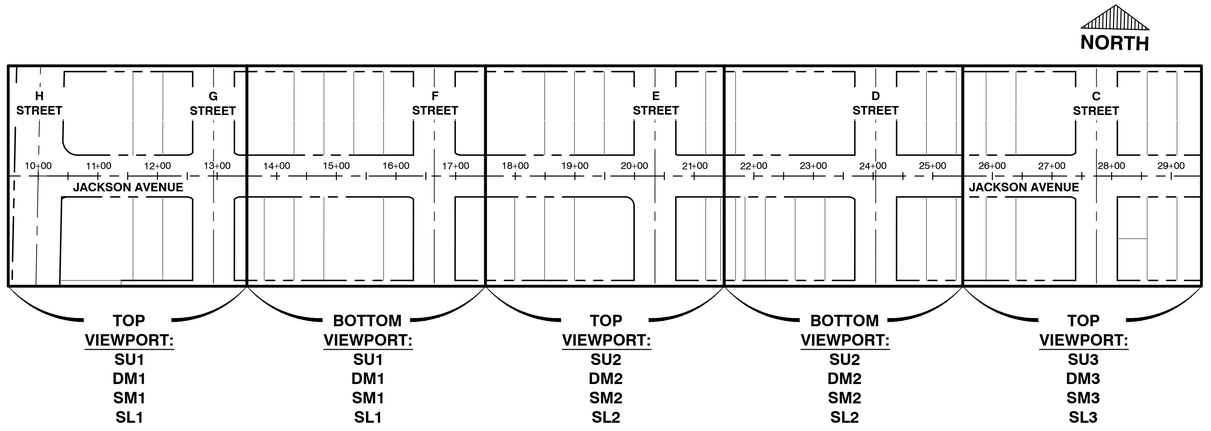
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

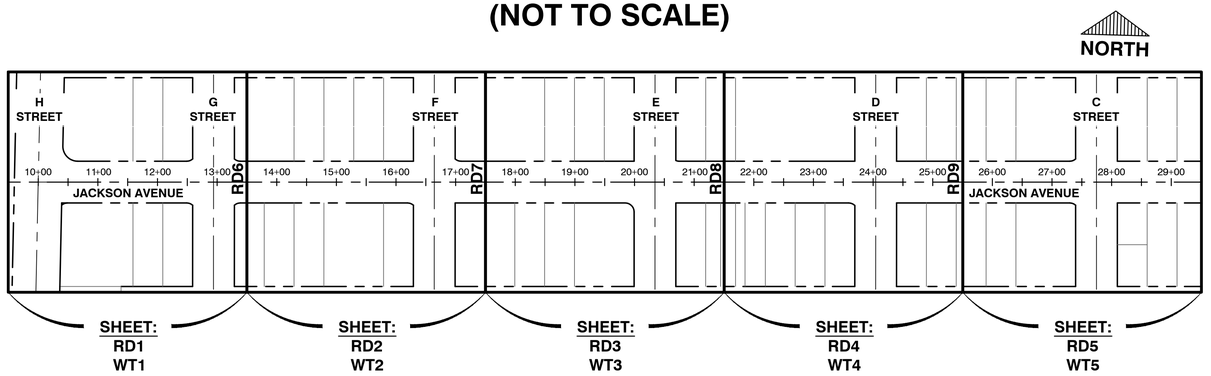
SHEET
GN2
3 OF 59

DRAWING NO.
107V8328

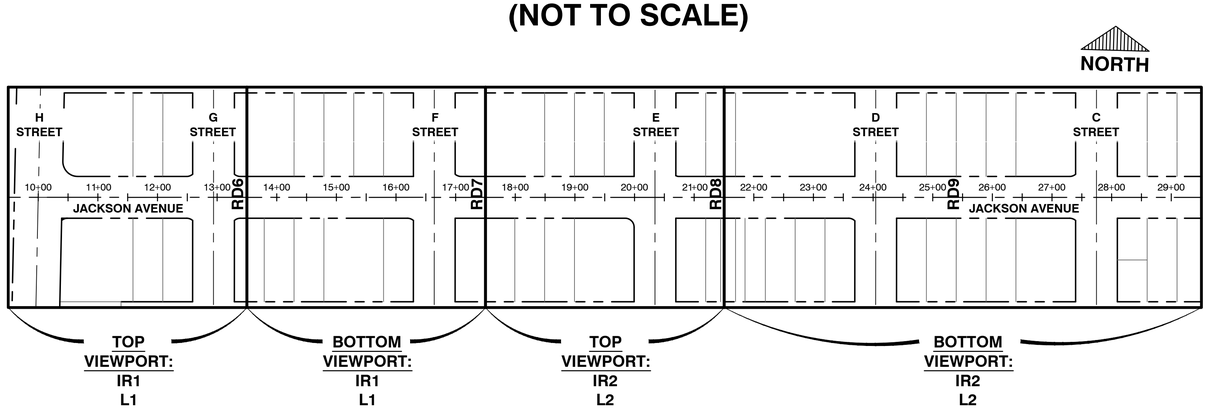
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2/23/22



KEY MAP: SUBSURFACE UTILITY MAP (SU), REMOVAL (DM), SIGNAGE AND MARKING (SM), & LIGHTING & INTERCONNECT (SL) (NOT TO SCALE)

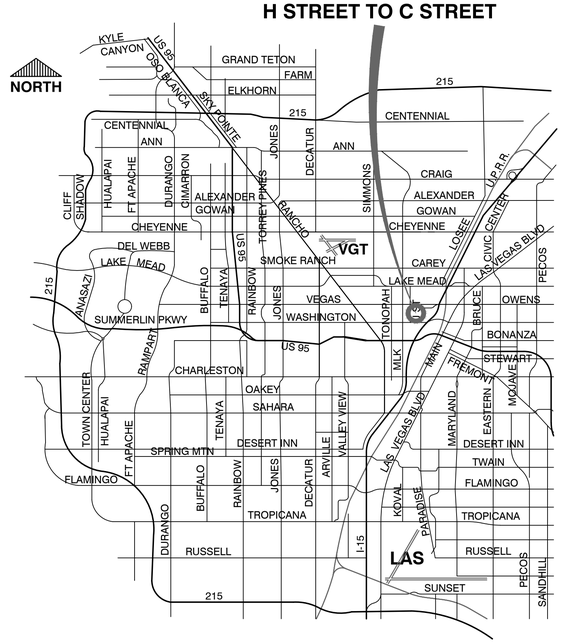


KEY MAP: ROADWAY PLAN & PROFILE (RD) & WATER PLAN & PROFILE (NOT TO SCALE)



KEY MAP: IRRIGATION (IR) & LANDSCAPE PLANTING PLANS (L) (NOT TO SCALE)

PROJECT VICINITY JACKSON AVE H STREET TO C STREET



VICINITY MAP
NOT TO SCALE

SHEET INDEX

No.	SHEET	TITLE	No.	SHEET	TITLE
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2	GN1	GENERAL NOTES	35	WT8	WATER PLAN & PROFILE
3	GN2	NOTES, LEGEND & ABBREVIATIONS	36	WT9	WATER METER TABLE
4	GN3	KEY MAPS, VICINITY MAP, & SHEET INDEX	37	SM1	SIGNAGE & MARKING PLAN
5	HC1	HORIZONTAL CONTROL PLAN	38	SM2	SIGNAGE & MARKING PLAN
6	TY1	TYPICAL SECTIONS	39	SM3	SIGNAGE & MARKING PLAN
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8	SU2	SUBSURFACE UTILITY MAP	41	DT2	CONSTRUCTION DETAILS
9	SU3	SUBSURFACE UTILITY MAP	42	DT3	CONSTRUCTION DETAILS
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11	DM2	REMOVAL PLAN	44	DT5	CONSTRUCTION DETAILS
12	DM3	REMOVAL PLAN	45	DT6	CONSTRUCTION DETAILS
13	DM4	REMOVAL PLAN	46	DT7	CONSTRUCTION DETAILS
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18	RD5	ROADWAY PLAN & PROFILE	51	IR2	IRRIGATION PLANS
19	RD6	ROADWAY PLAN & PROFILE	52	IR3	IRRIGATION PLANS
20	RD7	ROADWAY PLAN & PROFILE	53	IR4	IRRIGATION PLANS
21	RD8	ROADWAY PLAN & PROFILE	54	L1	LANDSCAPE PLANTING PLANS
22	RD9	ROADWAY PLAN & PROFILE	55	L2	LANDSCAPE PLANTING PLANS
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28	WT1	WATER PLAN & PROFILE			
29	WT2	WATER PLAN & PROFILE			
30	WT3	WATER PLAN & PROFILE			
31	WT4	WATER PLAN & PROFILE			
32	WT5	WATER PLAN & PROFILE			
33	WT6	WATER PLAN & PROFILE			

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A. DAVIDSON — EXP. 12/31/22 — CIVIL — NO. 19870

2/23/2022

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: KEY MAPS, VICINITY MAP & SHEET INDEX

PREPARED FOR: CITY OF LAS VEGAS

DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

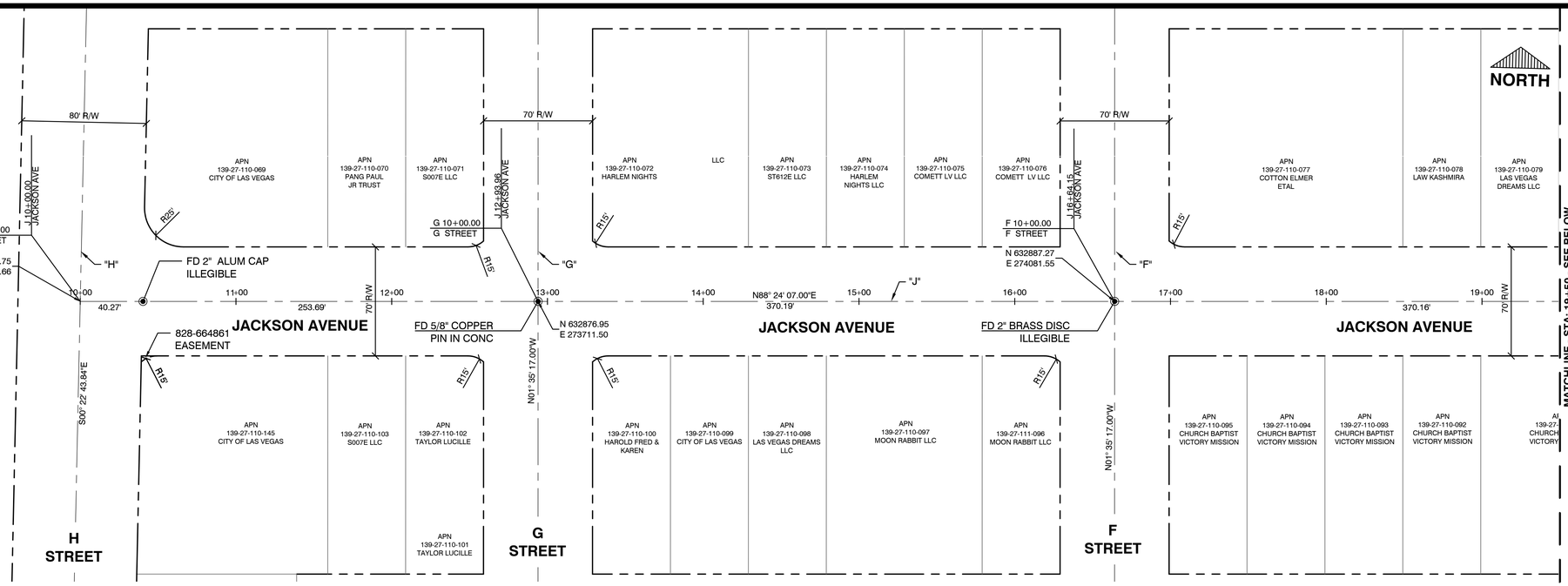
BID # 21.MWA400-C | MWA # 400 | SUBMITTAL STAGE: FINAL

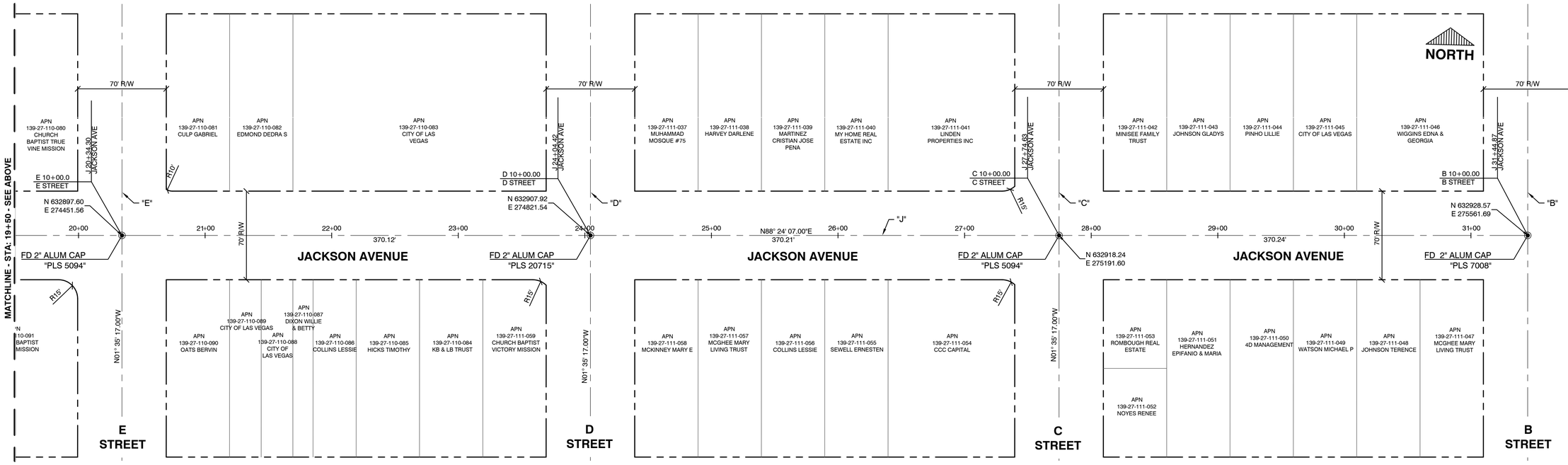
SHEET GN3

4 OF 59

DRAWING NO. 107V8328

2/23/22 JV2053\844_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\WLDWG\MWA400\7_PRODUCTION\MWA400GN3.DWG





CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BENCHMARK:
BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) (2008 ADJUSTMENT) AS TAKEN FROM CITY OF LAS VEGAS BENCHMARK 4164410, WITH A PUBLISHED ELEVATION OF 2022.41 FT. BENCHMARK 4164410 IS DESCRIBED AS BEING A RIVET AND PLATE IN TOP OF CURB AT THE NORTHWEST CORNER OF OWENS AND D STREET, STAMPED 4-1-64 410. ALSO STAMPED 2LV0122SSW6.

BASIS OF BEARING:
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83); SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN. THE BEARING BETWEEN CONTROL STATION ID GIS876 AND GIS875 IS TAKEN AS N89°54'03"E.

ALIGNMENT ABBREVIATIONS:
"J" - JACKSON AVENUE
"H" - H STREET
"G" - G STREET
"F" - F STREET
"E" - E STREET
"D" - D STREET
"C" - C STREET

◉ SURVEY MONUMENT SYMBOL

RECORD OF SURVEY #217-0028
(SEE SHEET #56, RS1)

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER STATE OF NEVADA
MICHAEL A. DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
2/23/2022

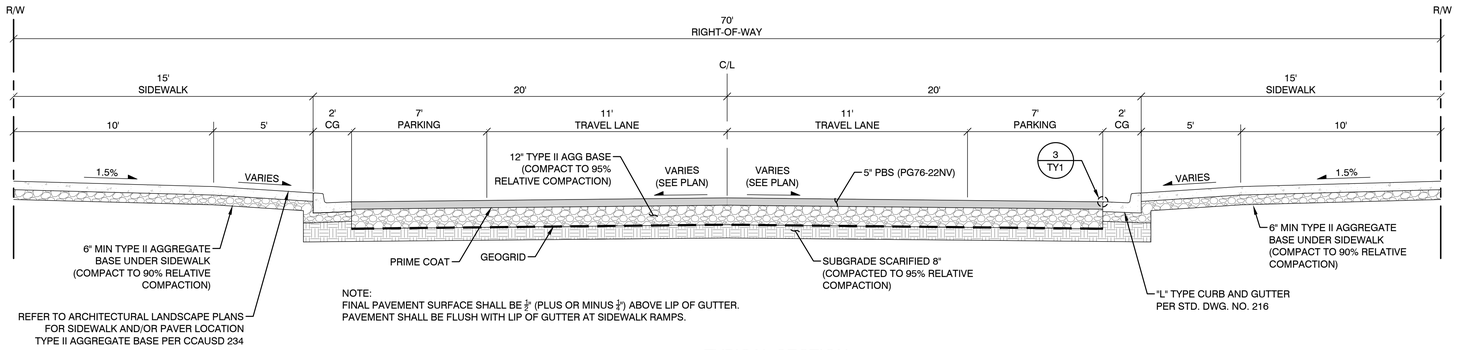
TITLE
JACKSON AVENUE
H STREET TO C STREET
HORIZONTAL CONTROL PLAN
SHEET

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	CHECKED BY: MAD
SUBMITTAL STAGE: FINAL			

SHEET
HC1
5 OF 59
DRAWING NO.
107V8328

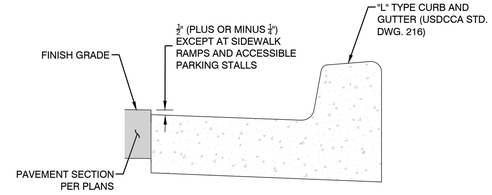
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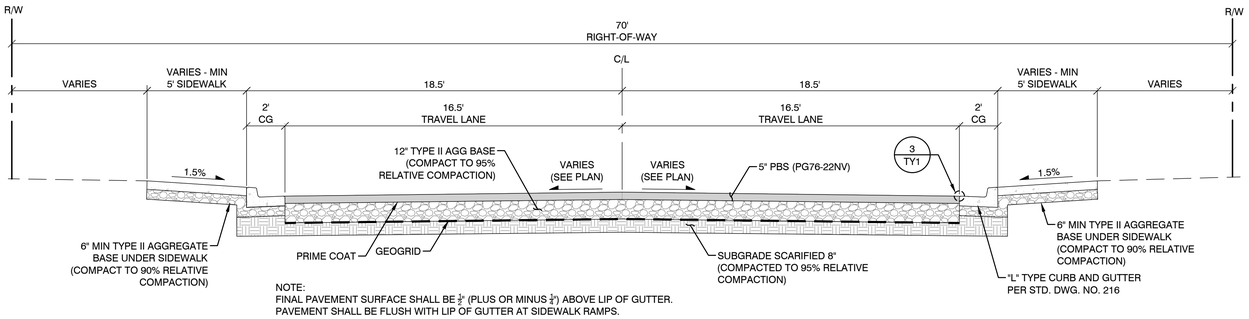
NOTE:
FINAL PAVEMENT SURFACE SHALL BE $\frac{1}{2}$" (PLUS OR MINUS $\frac{1}{4}$") ABOVE LIP OF GUTTER.
PAVEMENT SHALL BE FLUSH WITH LIP OF GUTTER AT SIDEWALK RAMPS.

1 TY1 TYPICAL SECTION
(NOT TO SCALE)

"J" 9+69.32 to "J" 28+07.40



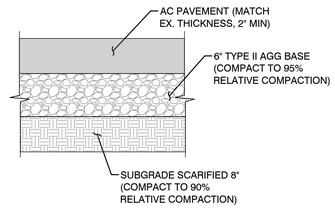
3 TY1 LIP DETAIL
(NOT TO SCALE)



NOTE:
FINAL PAVEMENT SURFACE SHALL BE $\frac{1}{2}$" (PLUS OR MINUS $\frac{1}{4}$") ABOVE LIP OF GUTTER.
PAVEMENT SHALL BE FLUSH WITH LIP OF GUTTER AT SIDEWALK RAMPS.

2 TY1 TYPICAL SECTION
(NOT TO SCALE)

"G" 8+97.88 to "G" 11+02.99
"F" 8+98.12 to "F" 10+72.22
"E" 8+97.68 to "E" 10+98.30
"B" 9+55 12 to "B" 10+45.55



4 TY1 ASPHALT PATCH
(NOT TO SCALE)

"E" 10+45.21 to "E" 10+98.30

APPROVED FOR CONSTRUCTION

Jason N. Shadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

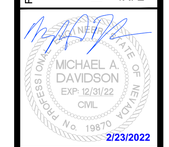
CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

REVISIONS

NO.	DATE	SHEET

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690



TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: TYPICAL SECTIONS

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

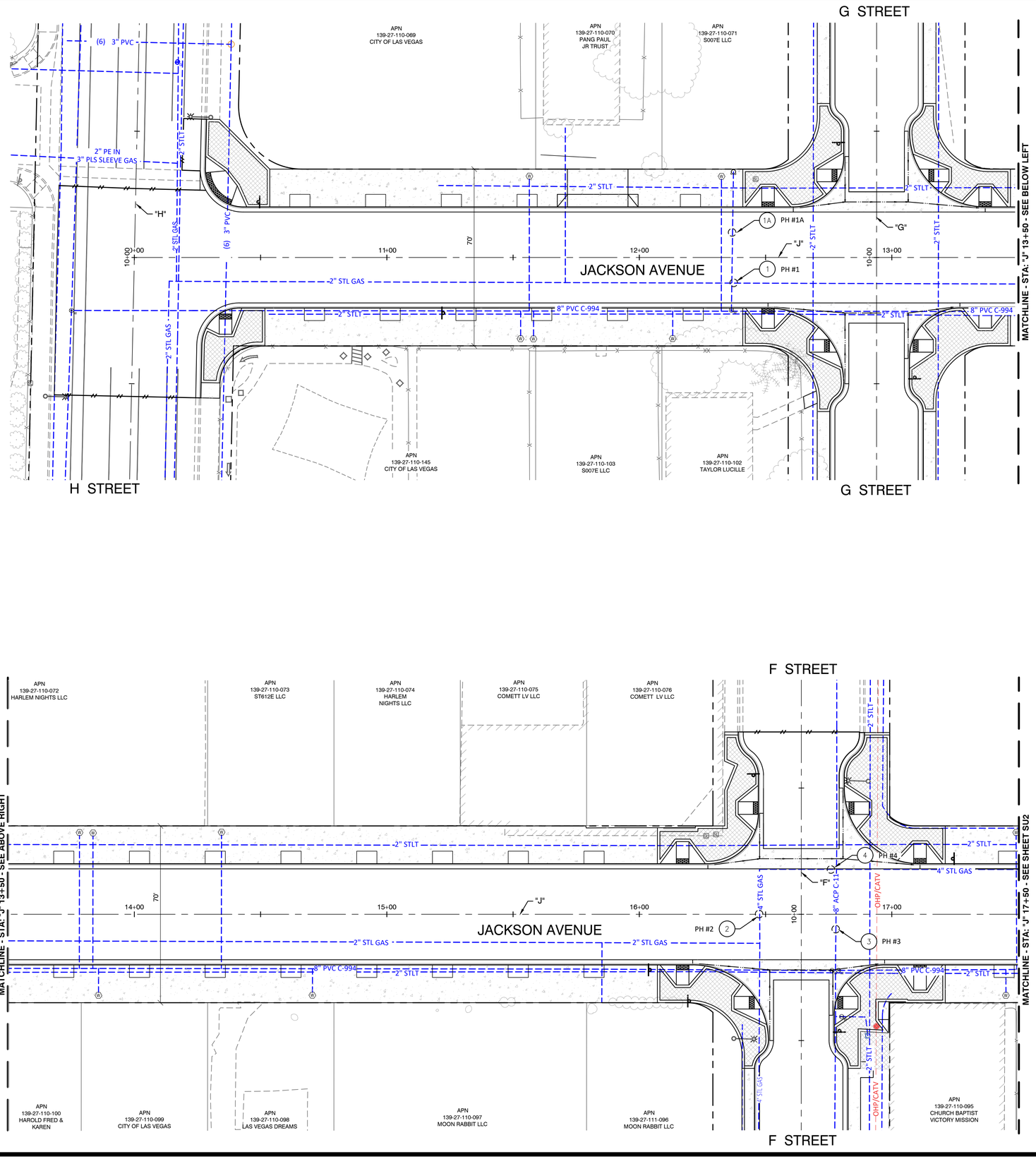
MWA # 400 | SUBMITTAL STAGE: FINAL

SHEET TY1

6 OF 59

DRAWING NO. 107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\7_PRODUCTION\MWA400TY.DWG



NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

SYMBOL & GRAPHICS LEGEND

FOR SYMBOL LEGEND AND GRAPHICS LEGEND SEE GENERAL NOTES SHEET GN2

GENERAL UTILITY NOTES:

1. CALL BEFORE DIGGING.
2. CAUTION - OVERHEAD POWER
3. CONTRACTOR TO FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND PROVIDE FIELD SURVEY.
4. UTILITY LINES NOT SHOWN WITH QUALITY LEVEL ARE "QUALITY LEVEL C OR D".
5. CONTRACTOR TO REPAIR, REPLACE AND MAINTAIN IN OPERABLE CONDITION ALL EXISTING ATM DEVICES, SIGNALS, AND STREET LIGHTING UNTIL FINAL ACCEPTANCE OF NEW FACILITIES.
6. MINIMUM WATER DEPTH OF WATER SERVICE LATERALS - 30 INCHES.
7. ALL EXISTING UTILITIES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
8. REFER TO DM SHEETS FOR REMOVALS.
9. REFER TO WT SHEETS FOR WATER SYSTEM IMPROVEMENTS.
10. REFER TO SL SHEETS ELECTRICAL IMPROVEMENTS.
11. REFER TO IR SHEETS FOR IRRIGATION IMPROVEMENTS.

SYMBOL & GRAPHICS LEGEND

(PH#) UTILITY POTHOLE, SEE SHEET SU-1 FOR POTHOLE TABLE

SUE QL-C

SOUTHWEST GAS HIGH PRESSURE LINE NOTE:

CALL SOUTHWEST GAS AT 702-278-8451 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES

POTHOLE TABLE						
PH #	UTILITY TYPE	SIZE	MATERIAL	GROUND ELEVATION	DEPTH	QUALITY LEVEL
1	GAS	2"	METAL	2031.08	2.41'	A
1A	WATER	6"	PLASTIC	2031.08	3.44'	A
2	GAS	4"	METAL	2029.15	2.79'	A
3	WATER	8"	CONCRETE	2029.10	2.30'	A
4	GAS	4"	METAL	2029.11	3.66'	A
5	WATER	8"	PLASTIC	2026.72	3.49'	A
6	WATER	8"	PLASTIC	2026.17	3.65'	A
7	GAS	4"	METAL	2026.37	3.03'	A
8	WATER	6"	CONCRETE	2020.67	3.56'	A
9	GAS	4"	METAL	2019.90	2.71'	A

UTILITY QUALITY LEVEL	
QUALITY LEVEL	DEFINITION
A	ONLY AT LOCATION WHERE UTILITY IS EXPOSED AND SURVEYED FOR VERTICAL DEPTH
B	LOCATION OBTAINED THROUGH SURFACE GEOPHYSICAL METHODS
C	LOCATION BASED ON OBSERVANCE OF ABOVE GROUND FEATURES
D	LOCATION BASED ON EXISTING RECORDS AND/OR RECOLLECTIONS

NOTE:

STREET LIGHT CONNECTION LINES ARE TYPICALLY 18" DEEP, BUT ARE NOT SHOWN.
CONTRACTOR TO PROVIDE FIELD SURVEY.

APPROVED FOR CONSTRUCTION		
Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

PROFESSIONAL ENGINEER
STATE OF NEVADA
No. 19870
MICHAEL A. DAVIDSON
EXP. 12/31/22
CIVIL
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
SUBSURFACE UTILITY MAP
STA: "J" 9+50 TO STA: "J" 17+50

PREPARED FOR
CITY OF LAS VEGAS

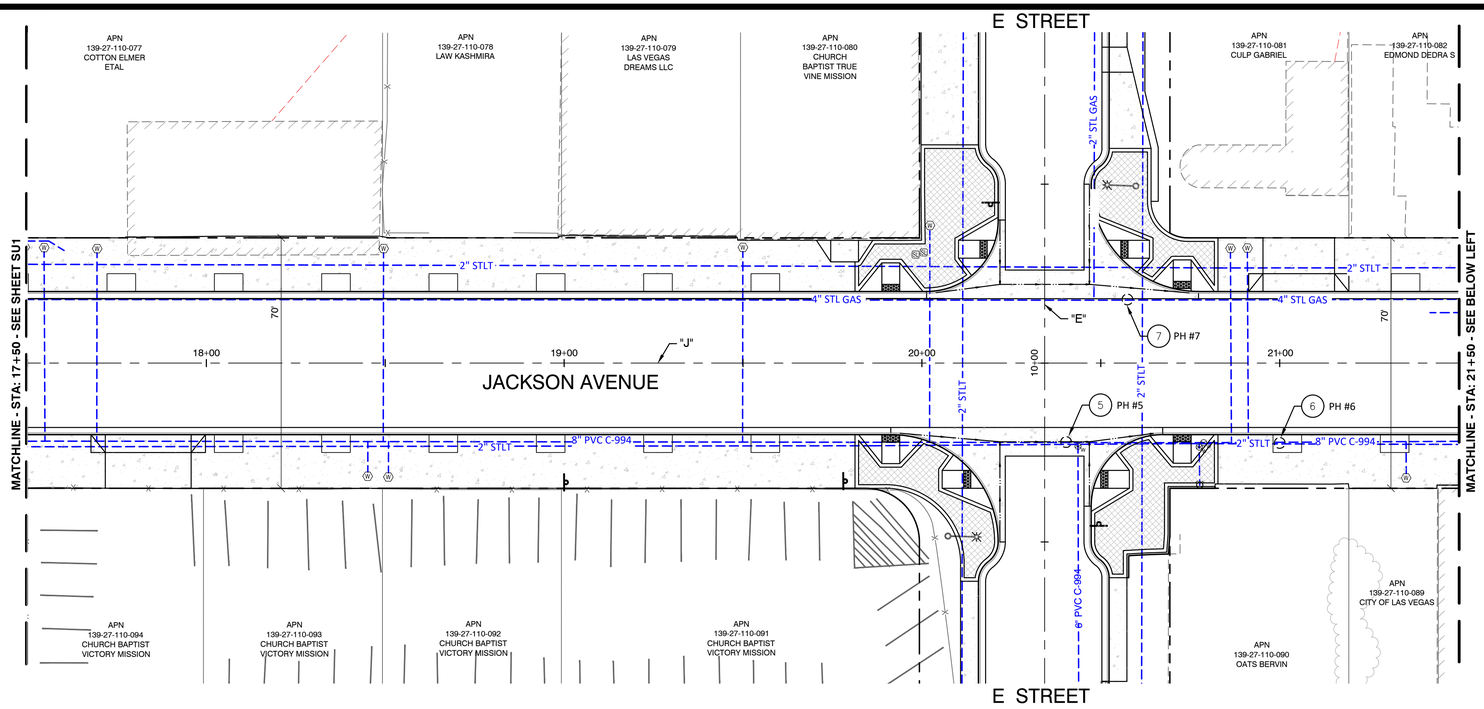
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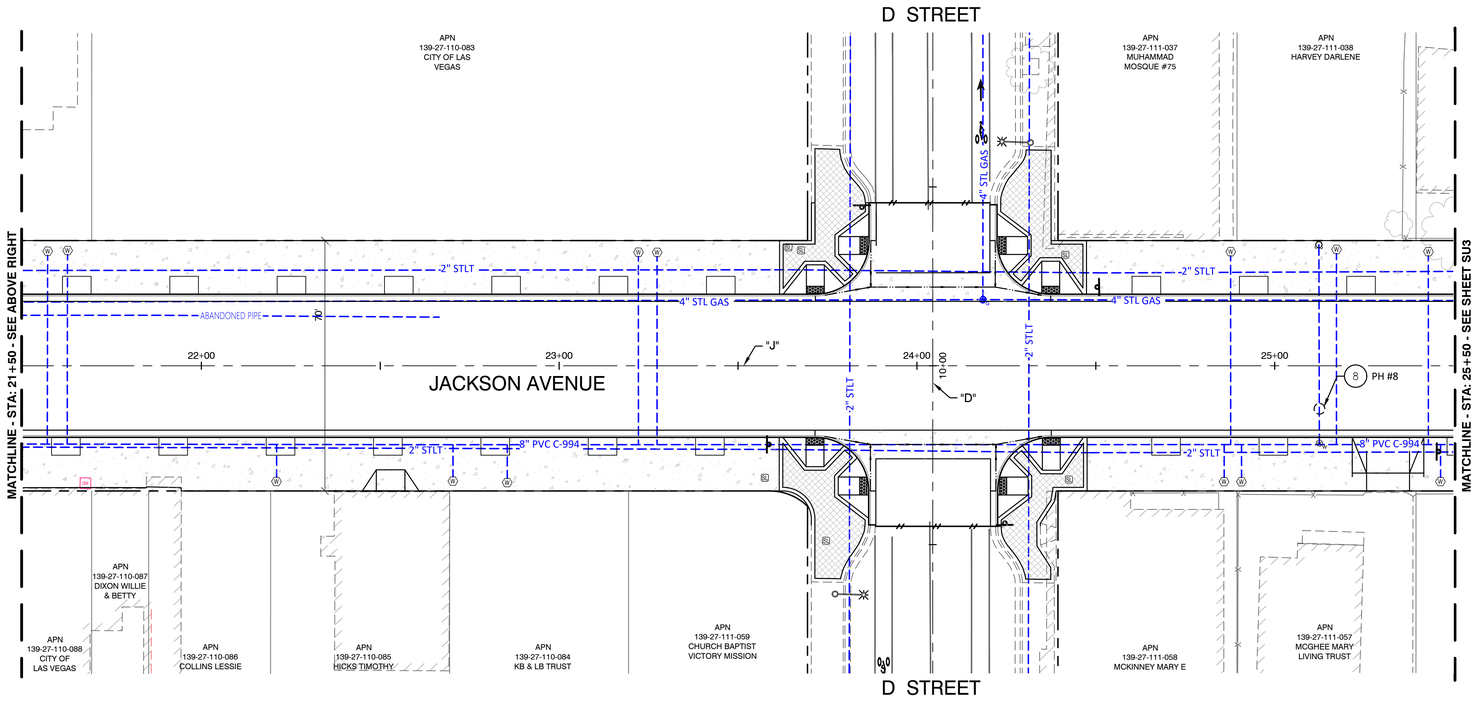
BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET
SU1
7 OF 59

DRAWING NO.
107V8328

J:\JOBS\BMA_CITY_LAS_VEGAS\JACKSON_AVENUE_DA\CIVIL\DWG\MWA400\7. PRODUCTION\MWA400SU.DWG
2/23/22





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
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FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

SYMBOL & GRAPHICS LEGEND

FOR SYMBOL LEGEND AND GRAPHICS LEGEND SEE GENERAL NOTES SHEET GN2

GENERAL UTILITY NOTES:

1. CALL BEFORE DIGGING.
2. CAUTION - OVERHEAD POWER
3. CONTRACTOR TO FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND PROVIDE FIELD SURVEY.
4. UTILITY LINES NOT SHOWN WITH QUALITY LEVEL ARE "QUALITY LEVEL C OR D".
5. CONTRACTOR TO REPAIR, REPLACE AND MAINTAIN IN OPERABLE CONDITION ALL EXISTING ATM DEVICES, SIGNALS, AND STREET LIGHTING UNTIL FINAL ACCEPTANCE OF NEW FACILITIES.
6. MINIMUM WATER DEPTH OF WATER SERVICE LATERALS - 30 INCHES.
7. ALL EXISTING UTILITIES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
8. REFER TO DM SHEETS FOR REMOVALS.
9. REFER TO WT SHEETS FOR WATER SYSTEM IMPROVEMENTS.
10. REFER TO SL SHEETS ELECTRICAL IMPROVEMENTS.
11. REFER TO IR SHEETS FOR IRRIGATION IMPROVEMENTS.

SYMBOL & GRAPHICS LEGEND

(PH#) UTILITY POTHOLE, SEE SHEET SU-1 FOR POTHOLE TABLE

— — — SUE QL-C

APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER
MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
STATE OF NEVADA
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
SUBSURFACE UTILITY MAP
STA: "J" 17+50 TO STA: "J" 25+50

PREPARED FOR
CITY OF LAS VEGAS

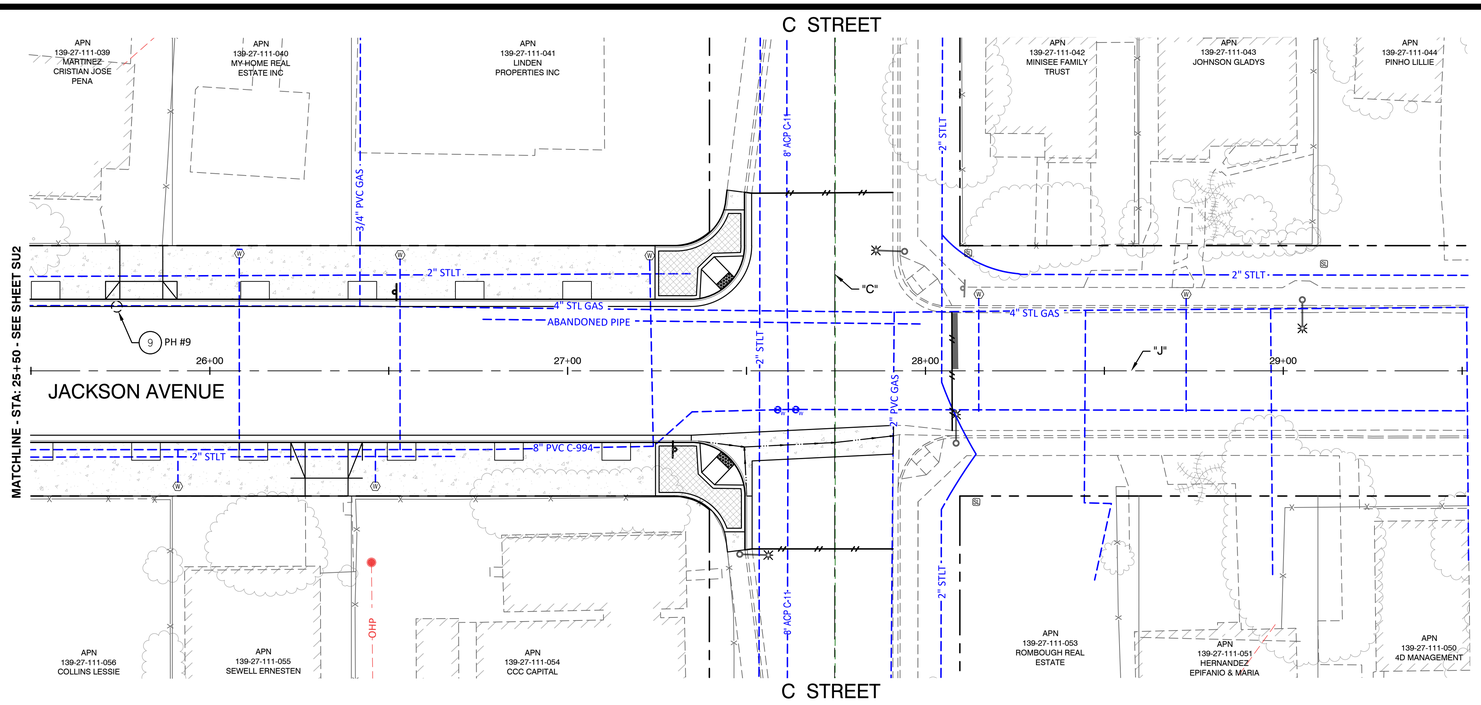
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET
SU2
8 OF 59

DRAWING NO.
107V8328

J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400U1.PRODUCTION\MWA400U1.DWG
2/23/22



NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

SYMBOL & GRAPHICS LEGEND

FOR SYMBOL LEGEND AND GRAPHICS LEGEND SEE GENERAL NOTES SHEET GN2

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SOUTHWEST GAS CORPORATION	SWG UID	DATE

NO.	DATE	SHEET	REVISIONS

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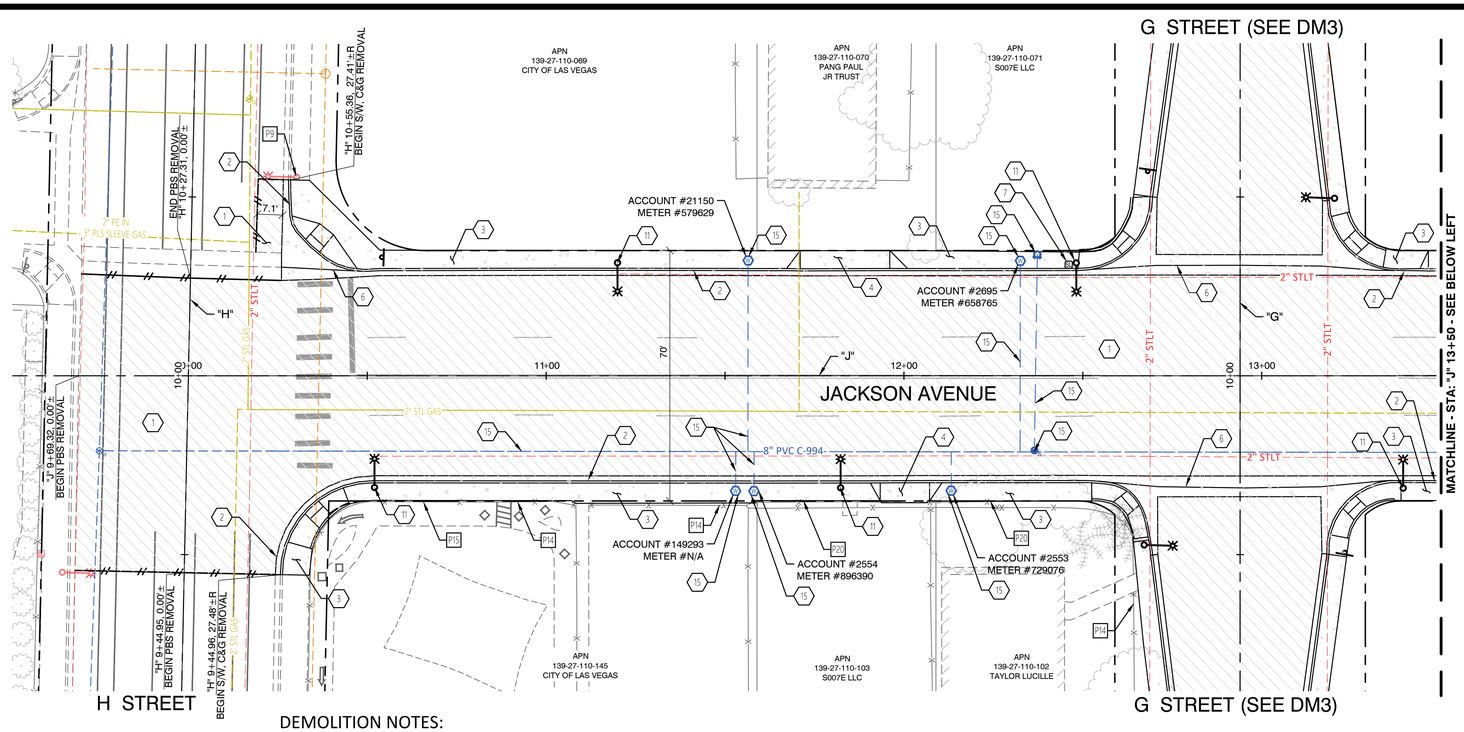
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022
MWA # 400	DESIGNED BY: MAK
SUBMITTAL STAGE: FINAL	DRAWN BY: DAB
	CHECKED BY: MAD

SHEET
SU3
9 OF 59

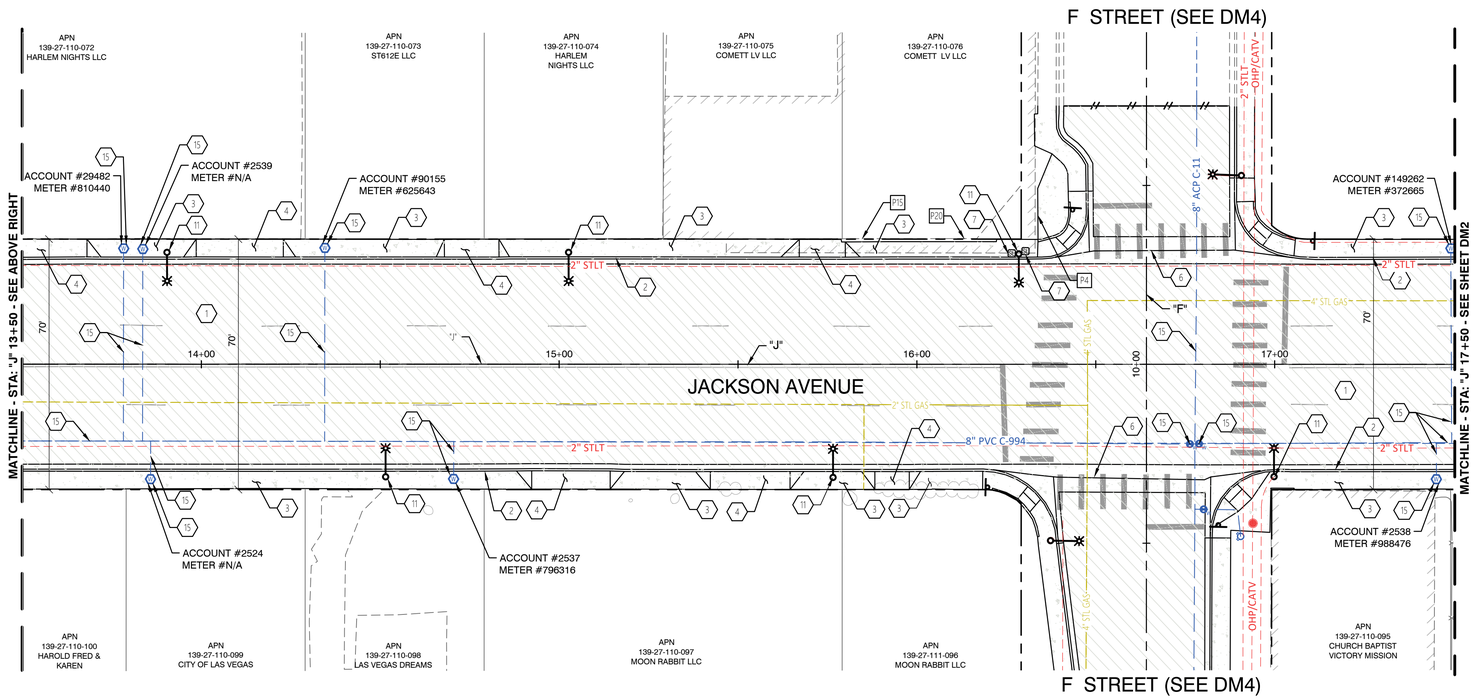
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107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400SU.DWG



DEMOLITION NOTES:

1. REMOVE PLANTMIX BITUMINOUS SURFACE
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3. REMOVE CONC. SIDEWALK
4. REMOVE CONC. DRIVEWAY
5. NOT USED
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7. REMOVE PULLBOX
8. ADJUST PULLBOX TO FG
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12. NOT USED
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15. SEE WATER PLANS FOR REMOVAL OF EXISTING WATER SERVICES AND MAIN
16. REMOVE ABANDONED GAS BOX
17. ADJUST EX. GAS VALVE BOX TO FG (BY OTHERS) CONTACT SWG CONSTRUCTION AT 702-528-7881 TO ADJUST VALVE CANS TO GRADE



NORTH

GRAPHIC SCALE
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CALL BEFORE CONSTRUCTION ⚠

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PROTECT IN PLACE NOTES:

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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — 19870
2/23/2022

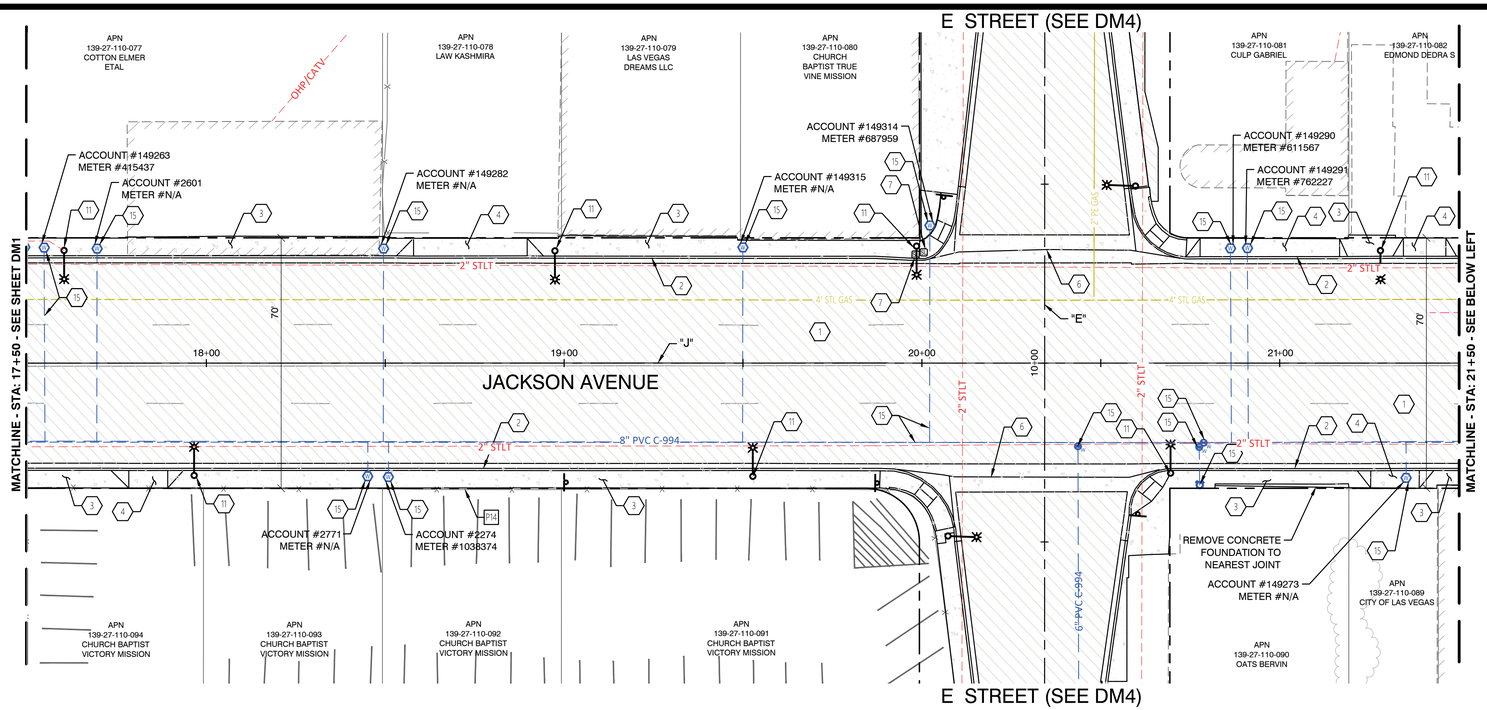
TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: REMOVAL PLAN
STA: "J" 9+50 TO STA: "J" 17+50

PREPARED FOR: CITY OF LAS VEGAS
BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD
MWA # 400 | SUBMITTAL STAGE: FINAL

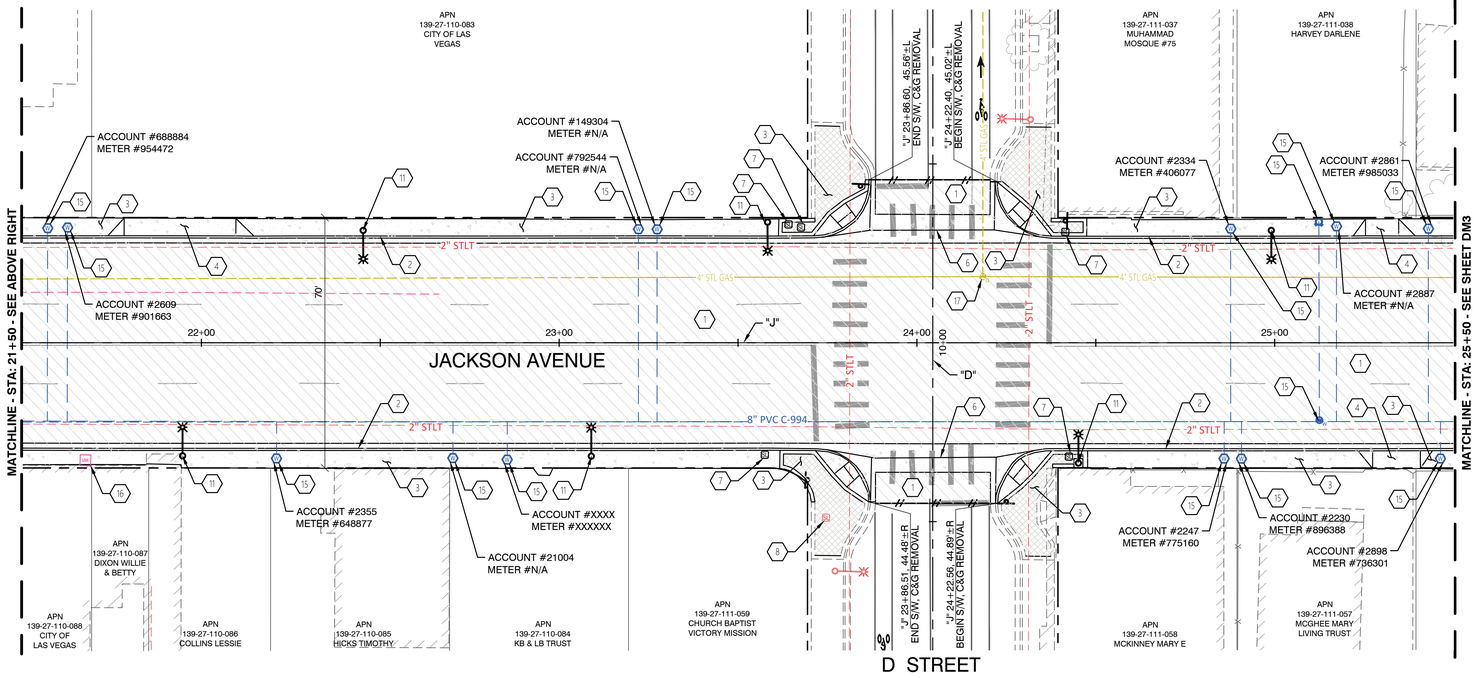
SHEET DM1
10 OF 59
DRAWING NO. 107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAC\CIVIL\DWG\MWA400DM.DWG



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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS | NO. | DATE | SHEET

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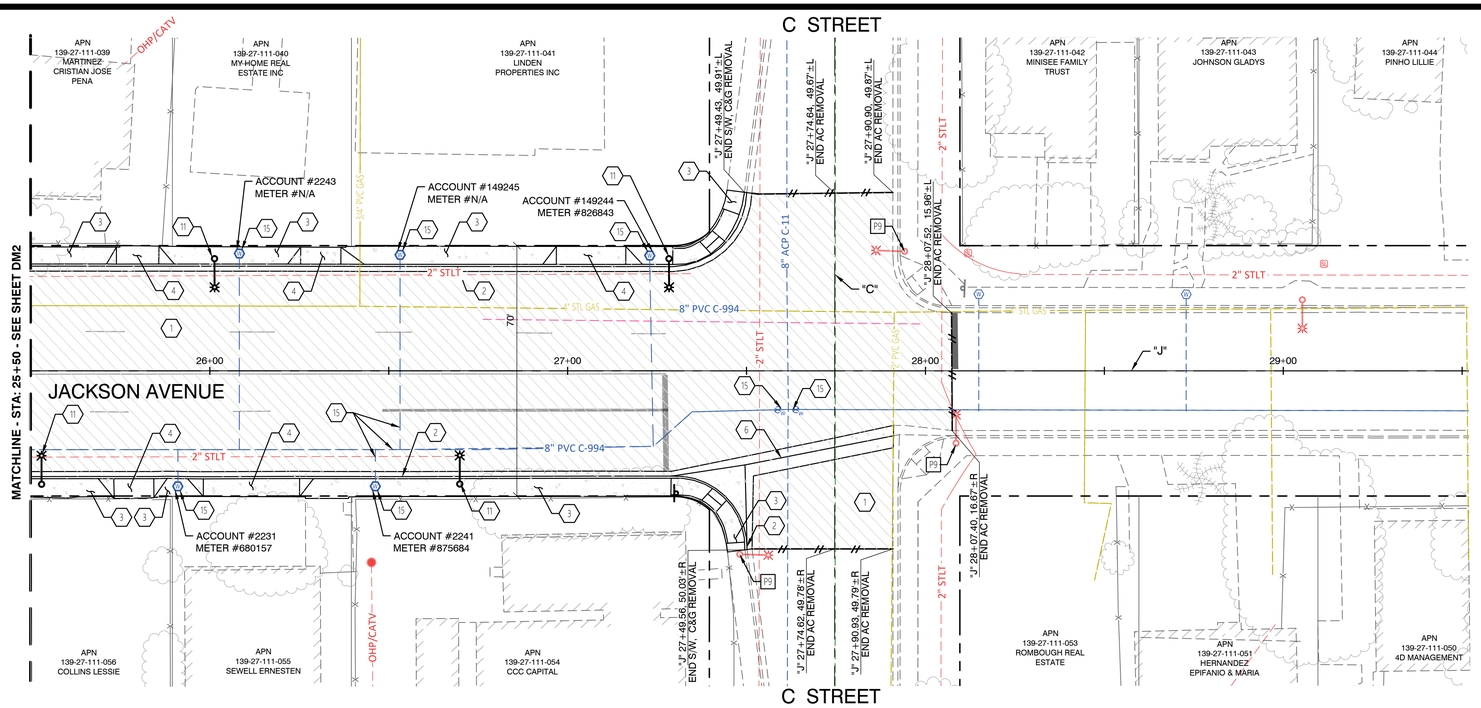
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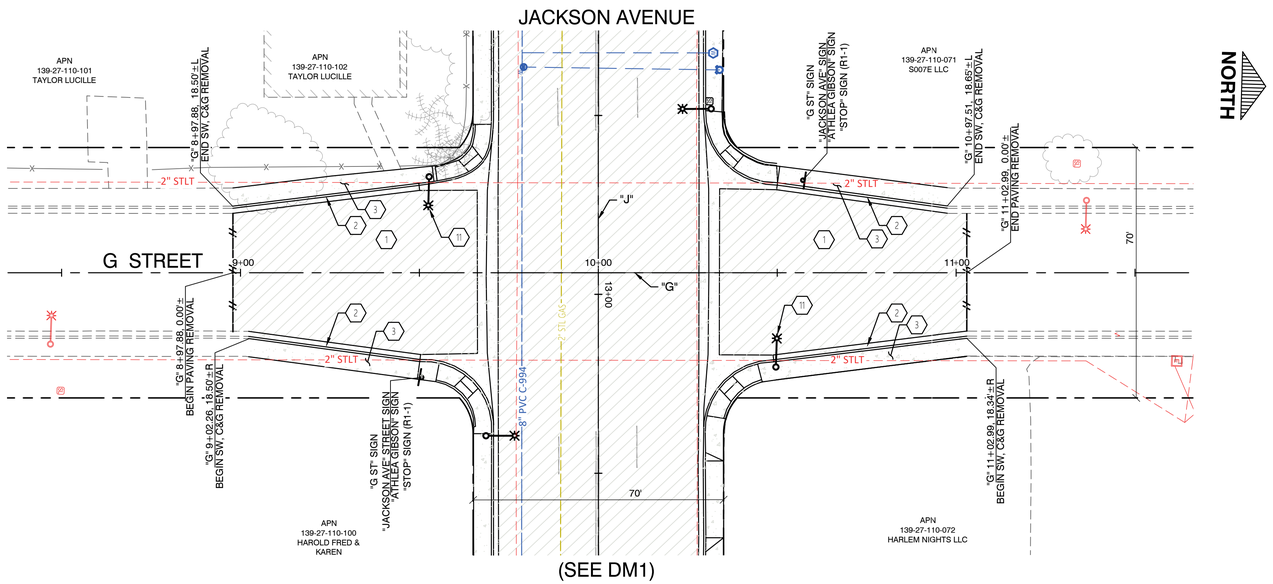
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11 OF 59
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J:\JOBS\BSM_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\DM2.DWG
2/23/22



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(SEE DM1)

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P12	P-I-P BUSINESS POLE/SIGN		

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SOUTHWEST GAS CORPORATION	SWG UID	DATE	

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LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

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REMOVAL PLAN
STA: "J" 25+50 TO STA: "J" 29+50

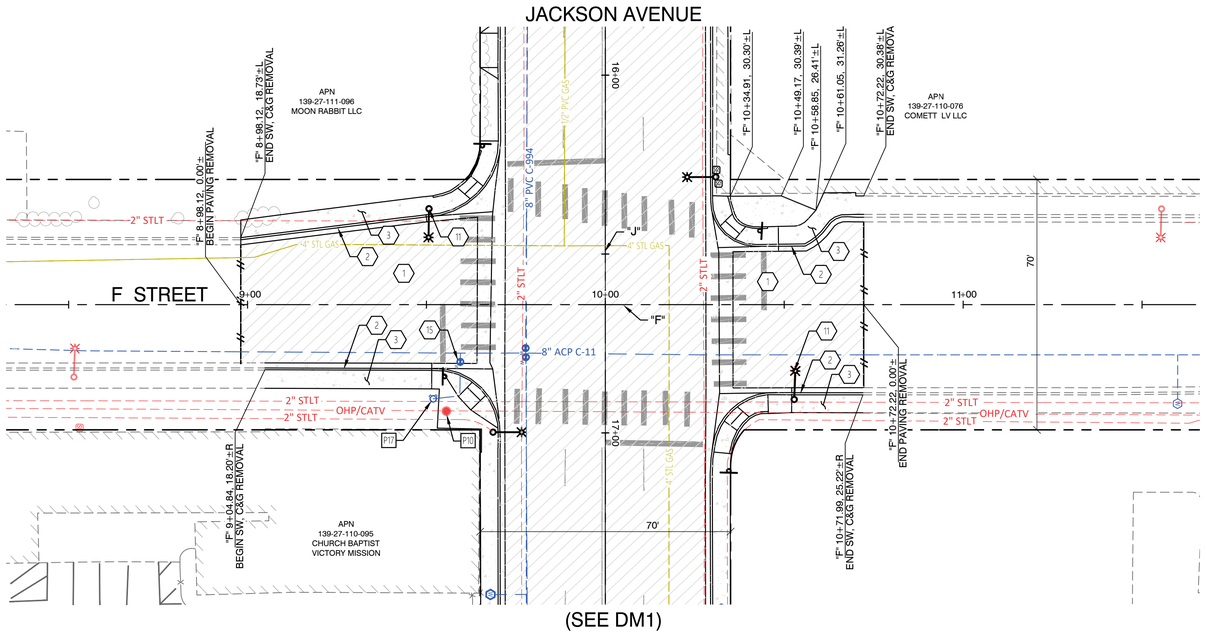
PREPARED FOR
CITY OF LAS VEGAS

DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET
DM3
12 OF 59
DRAWING NO.
107V8328

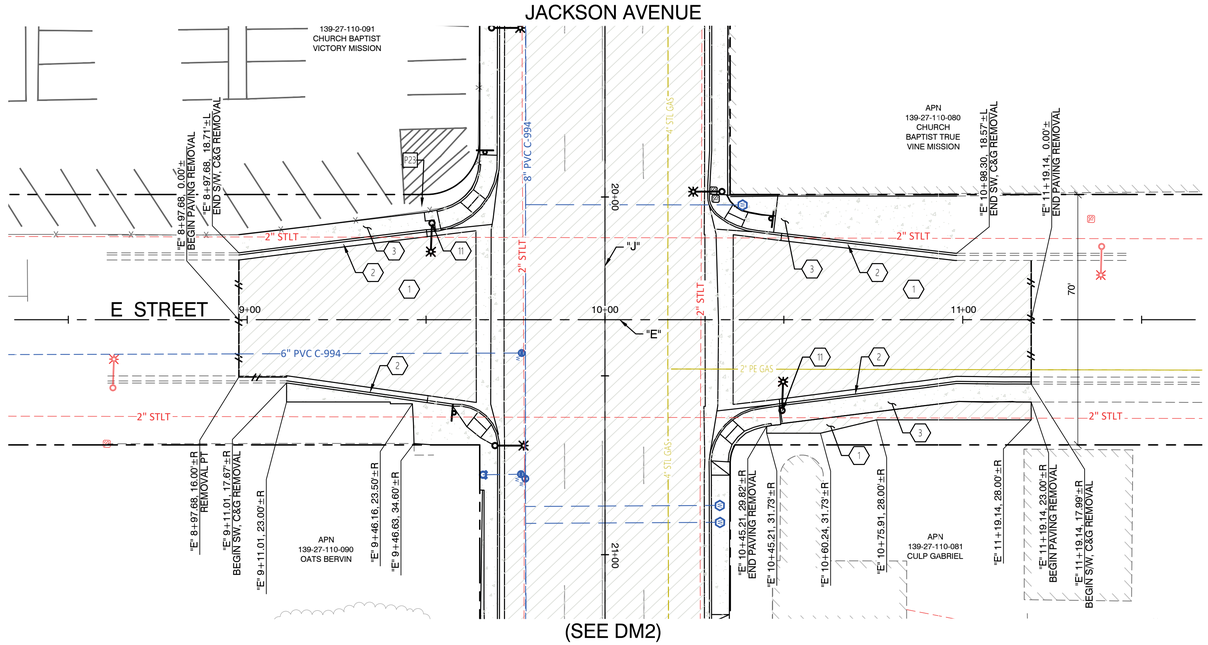
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2/23/22



(SEE DM1)

DEMOLITION NOTES:

1. REMOVE PLANTMIX BITUMINOUS SURFACE
2. REMOVE CONC. CURB AND GUTTER
3. REMOVE CONC. SIDEWALK
4. REMOVE CONC. DRIVEWAY
5. NOT USED
6. REMOVE CONC. CROSS GUTTER
7. REMOVE PULLBOX
8. ADJUST PULLBOX TO FG
9. NOT USED
10. NOT USED
11. REMOVE AND SALVAGE STREETLIGHT
    REMOVE STREETLIGHT FOUNDATION
12. NOT USED
13. NOT USED
14. NOT USED
15. SEE WATER PLANS FOR REMOVAL OF EXISTING WATER SERVICES AND MAIN
16. REMOVE ABANDONED GAS BOX
17. ADJUST EX. GAS VALVE BOX TO FG (BY OTHERS)
    CONTACT SWG CONSTRUCTION AT 702-528-7881
    TO ADJUST VALVE CANS TO GRADE



(SEE DM2)

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

SYMBOL & GRAPHICS LEGEND

FOR SYMBOL LEGEND AND GRAPHICS LEGEND SEE GENERAL NOTES SHEET GN2

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GENERAL NOTES:

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5. ALL EXISTING UTILITIES SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
6. REFER TO SM SHEETS FOR SIGN REMOVALS.
7. CALL SOUTHWEST GAS AT 702-528-7881 - 2 WEEKS IN ADVANCE TO HAVE VALVE ADJUSTED BEFORE PAVING REMOVAL.

DEMOLITION LEGEND:

- REMOVE PLANTMIX BITUMINOUS SURFACE
- REMOVE CONC. SIDEWALK
- REMOVE SIDEWALK PAVERS
- REMOVE CONC. CURB AND GUTTER

PROTECT IN PLACE NOTES:

P1	P-I-P EX. CURB & GUTTER	P13	P-I-P EX. CONC. PAD/FOOTING
P2	P-I-P EX. AC PAVEMENT	P14	P-I-P EX. CHAIN LINK FENCE OR GATE
P3	P-I-P EX. LANDSCAPE	P15	P-I-P EX. BLOCK WALL
P4	P-I-P EX. HANDRAIL	P16	P-I-P EX. HC RAMP
P5	P-I-P EX. P.C.C. OR PAVER SIDEWALK	P17	P-I-P EX. FIRE HYDRANT
P6	P-I-P EX. P.C.C DRIVEWAY	P18	P-I-P EX. WATER METER BOX
P7	P-I-P EX PCC VALLEY GUTTER	P19	P-I-P EX. ELECT. METER or BOX
P8	P-I-P EX. BUILDING FACADE	P20	P-I-P EX. CONC. WALL
P9	P-I-P EX. STREET LIGHT POLE	P21	P-I-P EX. S.D. CATCH BASIN
P10	P-I-P EX. POWER/UTILITY POLE	P22	P-I-P EX. S.S. MANHOLE
P11	P-I-P EX. TRAFFIC SIGN	P23	P-I-P EX. SL PB
P12	P-I-P BUSINESS POLE/SIGN		

APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER STATE OF NEVADA
MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: REMOVAL PLAN

PREPARED FOR
CITY OF LAS VEGAS

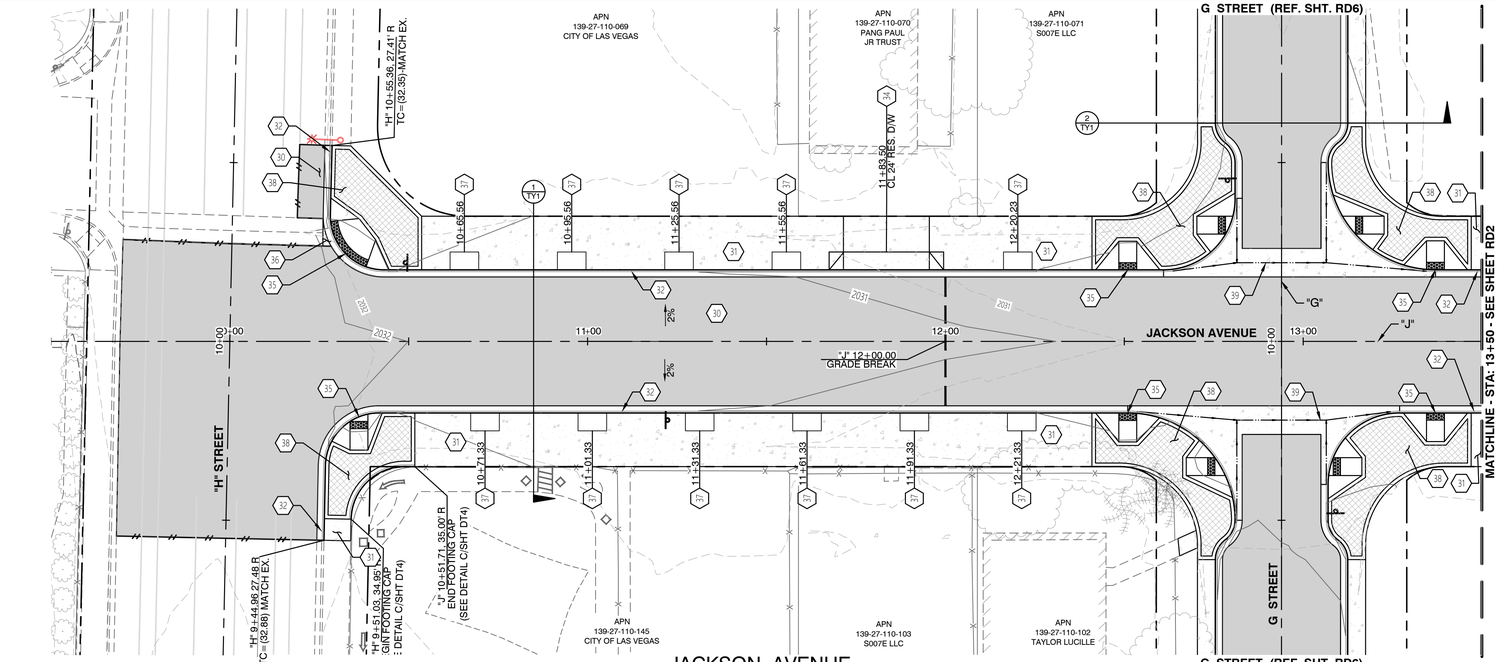
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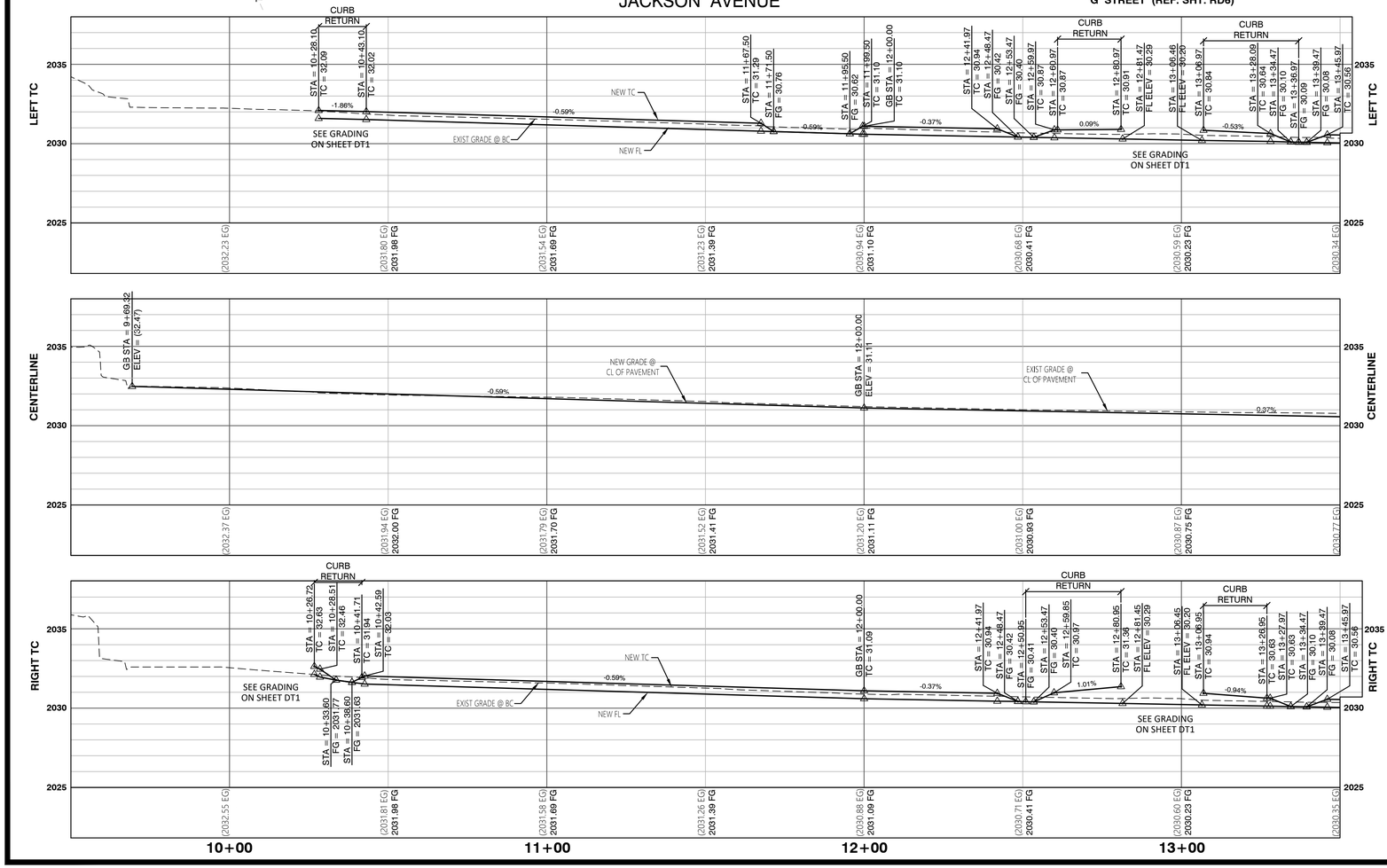
BID # 21.MWA400-C | MVA # 400 | SUBMITTAL STAGE: FINAL

SHEET
DM4
13 OF 59

DRAWING NO.
107V8328

I:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_OAK\DWG\MWA400\7 PRODUCTION\MWA400DM.DWG
2/23/22





NORTH

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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — No. 19870
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

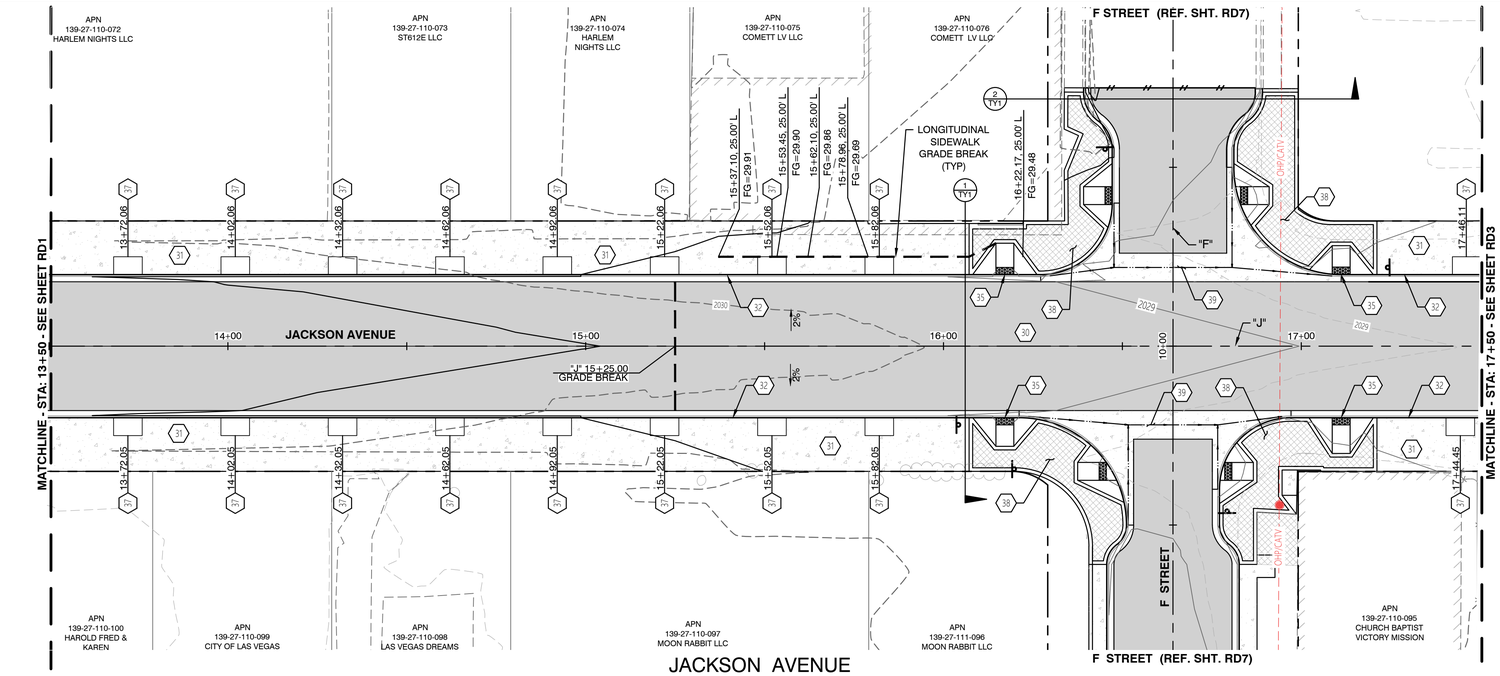
SHEET
ROADWAY PLAN & PROFILE
STA: "J" 9+50 TO STA: "J" 13+50

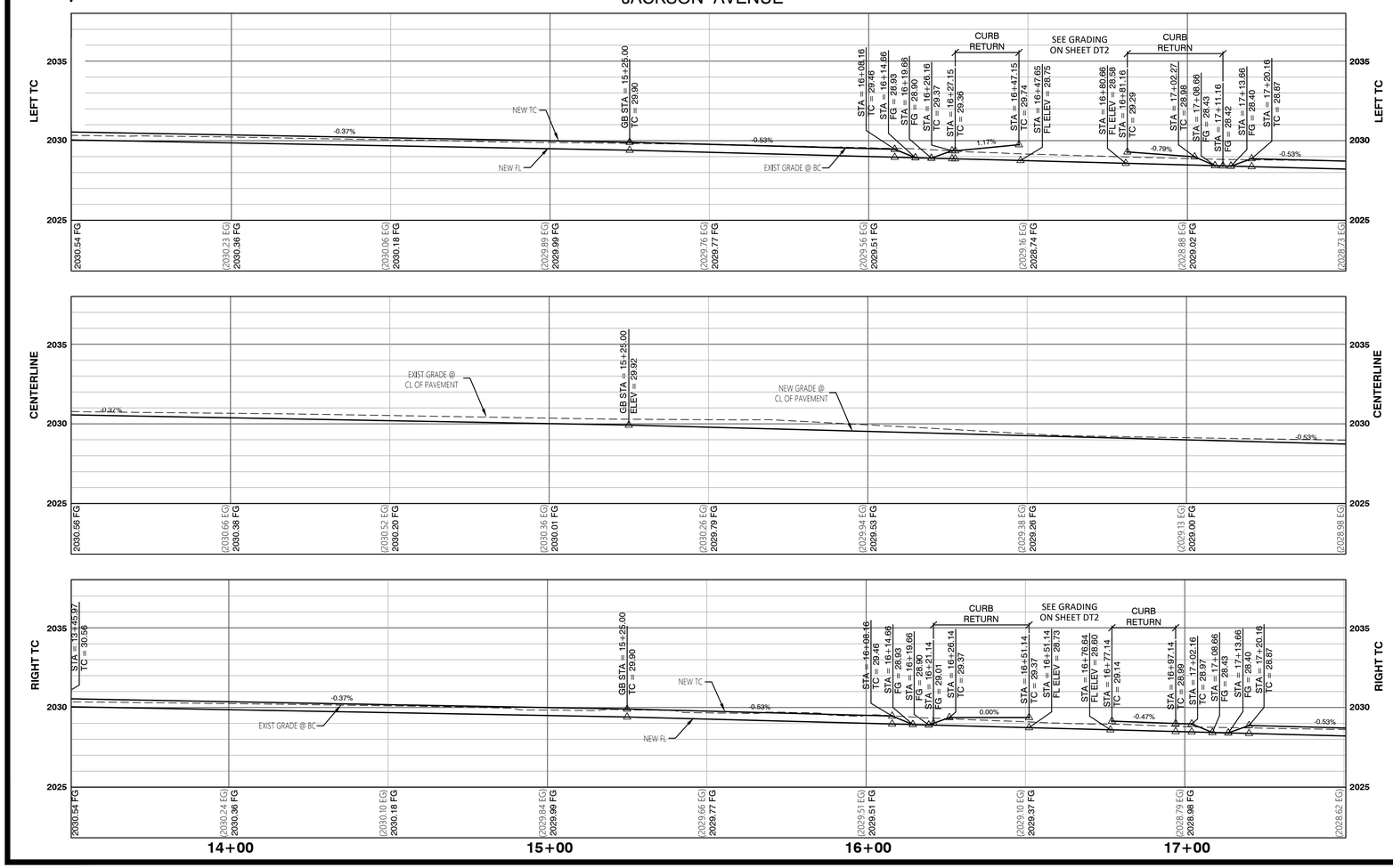
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK
MWA # 400		DRAWN BY: DAB
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD

SHEET
RD1
14 OF 59
DRAWING NO.
107V8328

J:\JOBS\844_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\T_PRODUCTION\MWA400BD.DWG
2/23/22





NORTH

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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.320.3600
SUITE 200
LAS VEGAS NV 89123

PROFESSIONAL ENGINEER STATE OF NEVADA MICHAEL A DAVIDSON EXP: 12/31/22 CIVIL 19870
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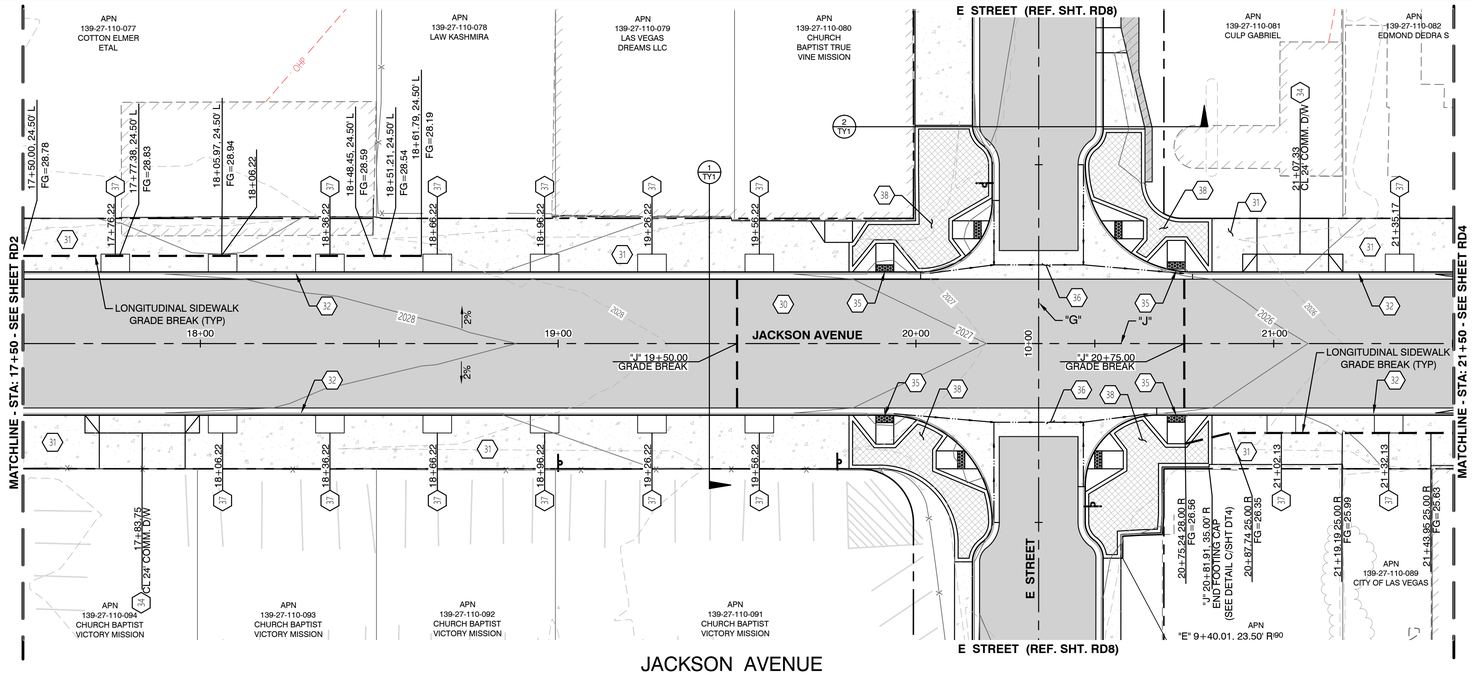
TITLE
JACKSON AVENUE
H STREET TO C STREET
ROADWAY PLAN & PROFILE
STA: "J" 13+50 TO STA: "J" 17+50

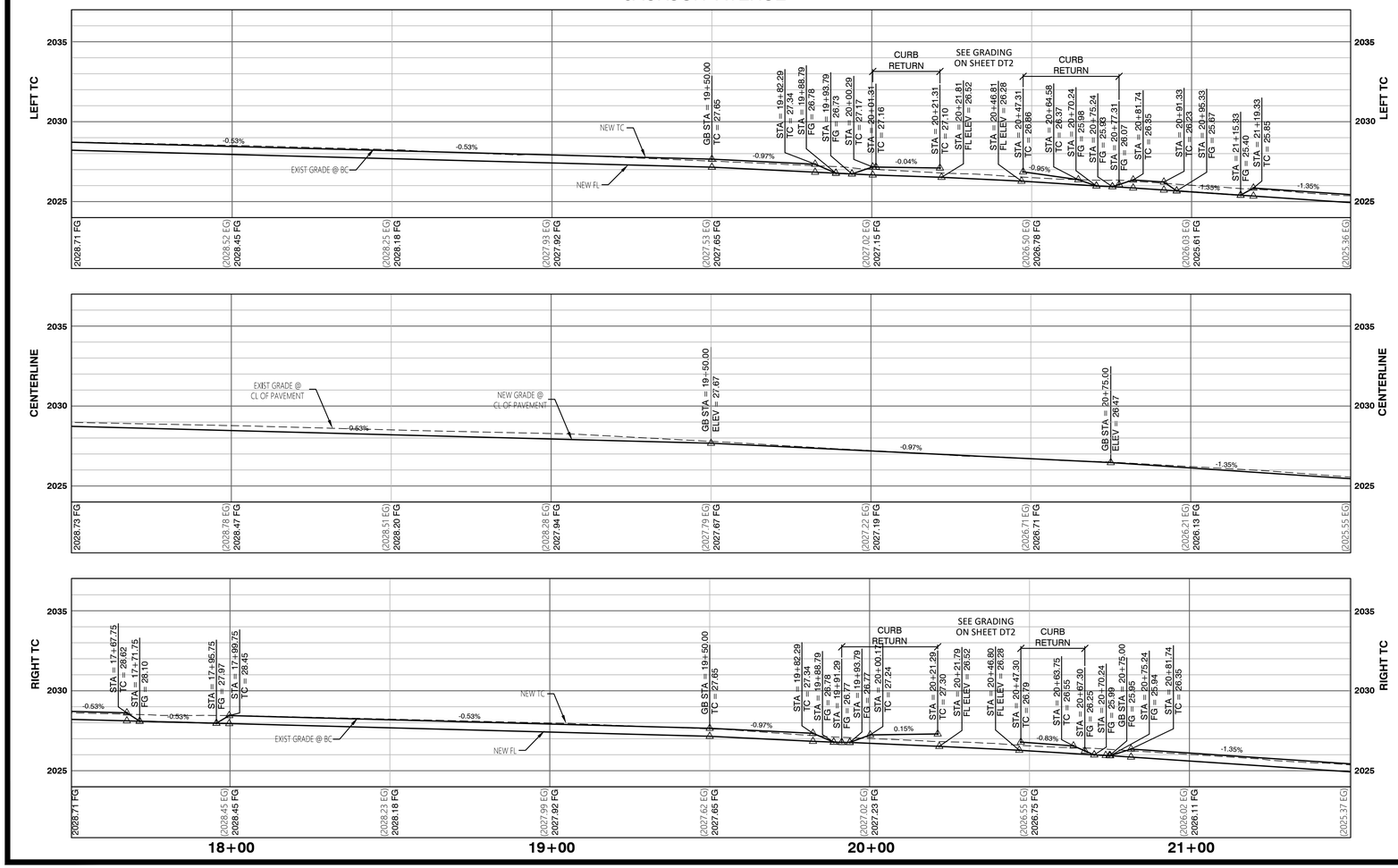
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	SHEET
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
RD2
15 OF 59
DRAWING NO.
107V8328

2/23/22 J:\JOBS\81344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAD\CIVIL\DWG\MWA400\ PRODUCTION\MWA400RD.DWG







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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
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2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

PROFESSIONAL ENGINEER STATE OF NEVADA No. 19870 MICHAEL A DAVIDSON EXP: 12/31/22 CIVIL

2/23/2022

TITLE
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H STREET TO C STREET

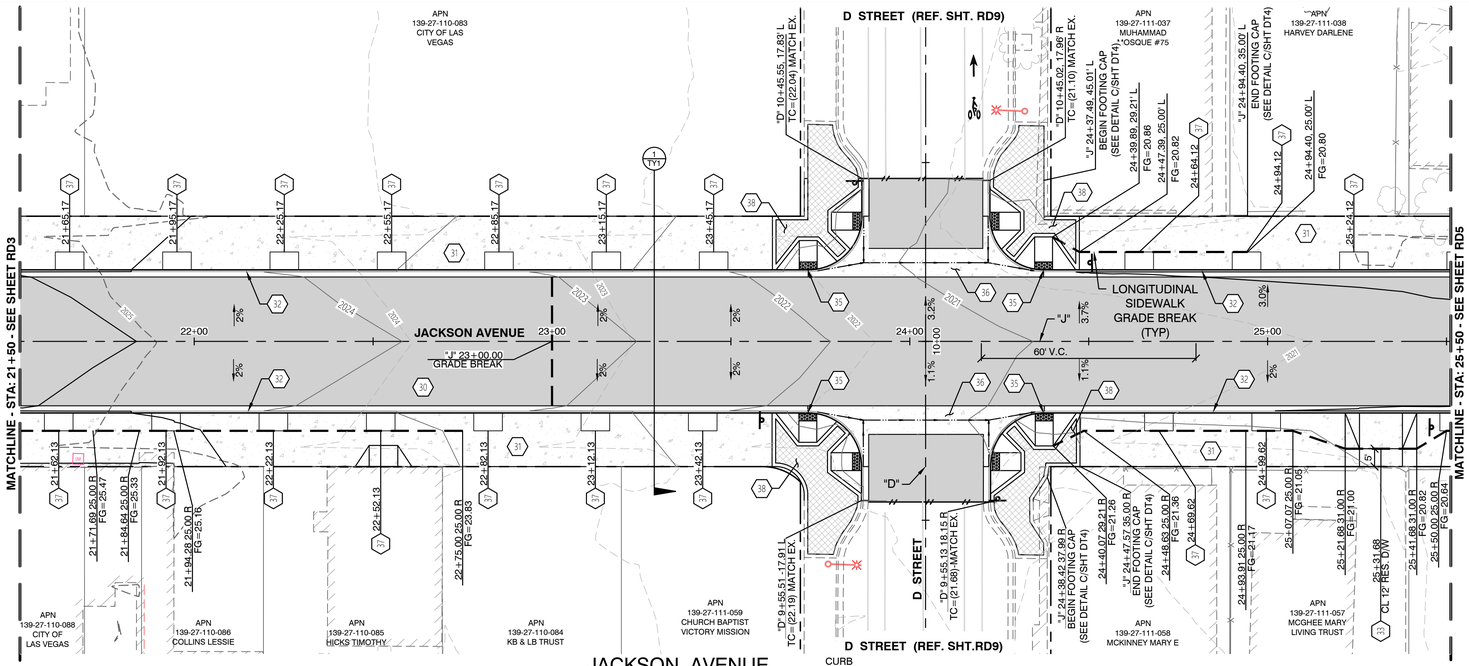
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ROADWAY PLAN & PROFILE
STA: "J" 17+50 TO STA: "J" 21+50

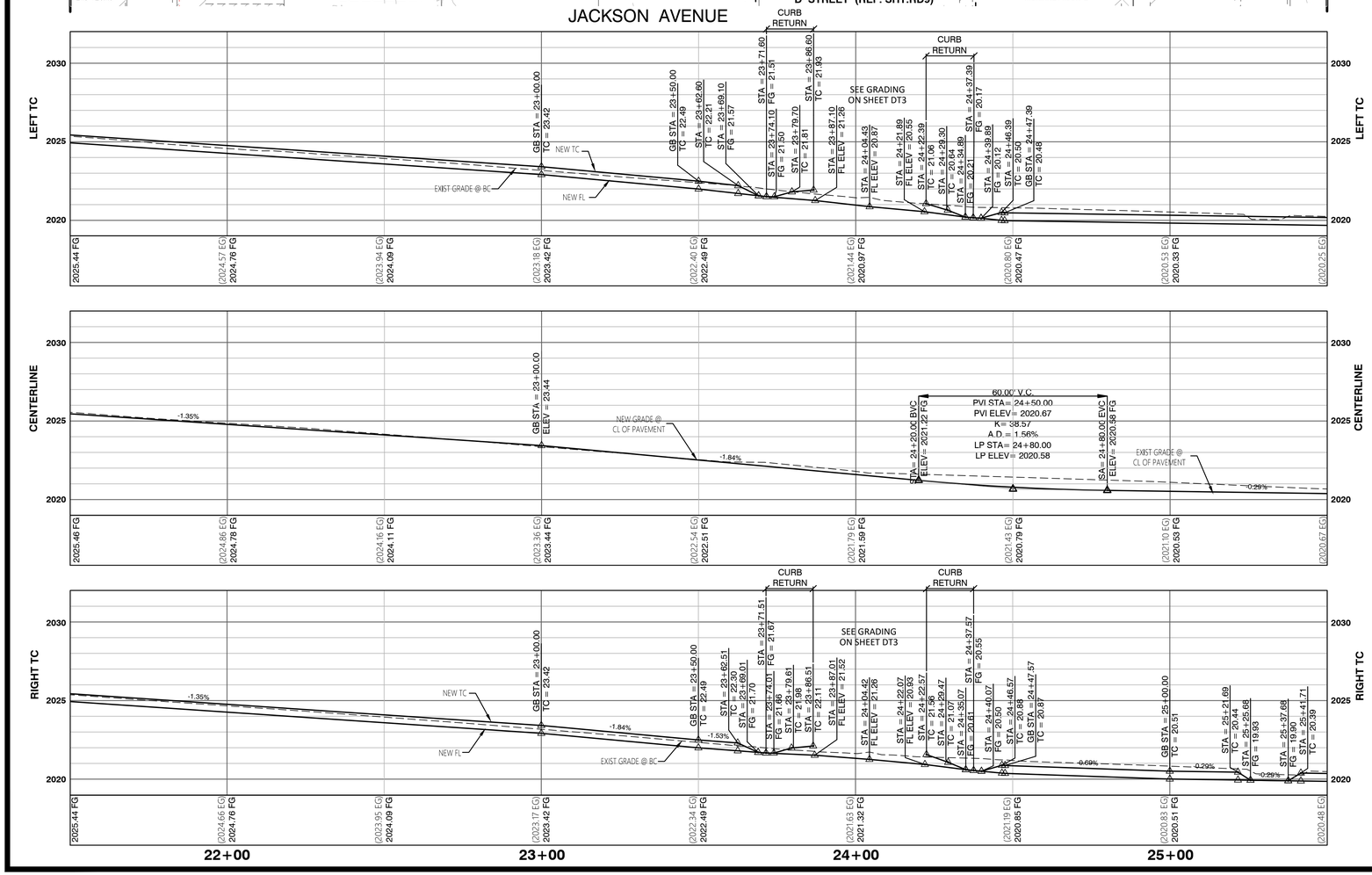
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SHEET
RD3
16 OF 59
DRAWING NO.
107V8328

J:\DB\JB4_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\ PRODUCTION\MWA400RDDWG
2/23/22





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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30 5 INCH PBS (PER DETAIL 1 / TY1)

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41 MODIFIED COMMERCIAL DRIVEWAY (PER DETAIL E/SHT DT5)

APPROVED FOR CONSTRUCTION

Bobbie Skrove | 19RJS1320 | 11/29/2021

SOUTHWEST GAS CORPORATION | SWG UID | DATE

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD ROGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — No. 19879

2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: ROADWAY PLAN & PROFILE
STA: "J" 21+50 TO STA: "J" 25+50

PREPARED FOR: CITY OF LAS VEGAS

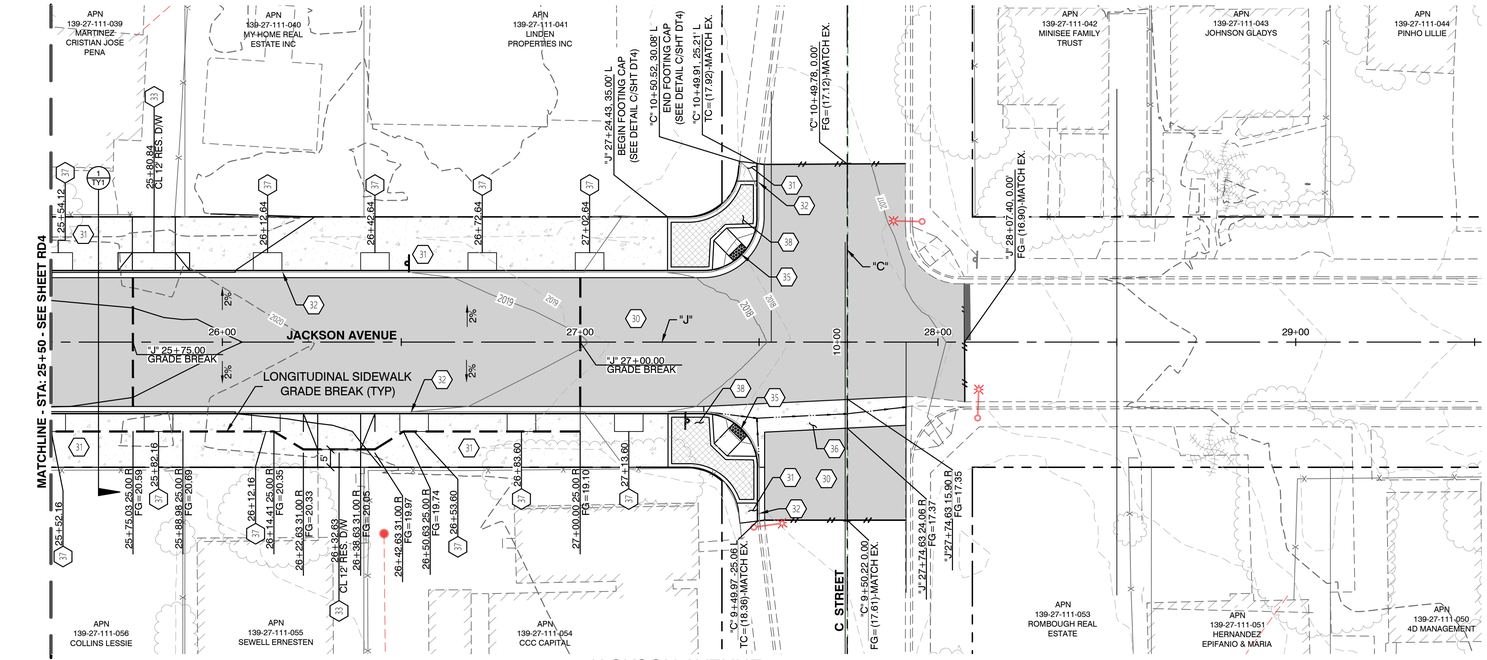
BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

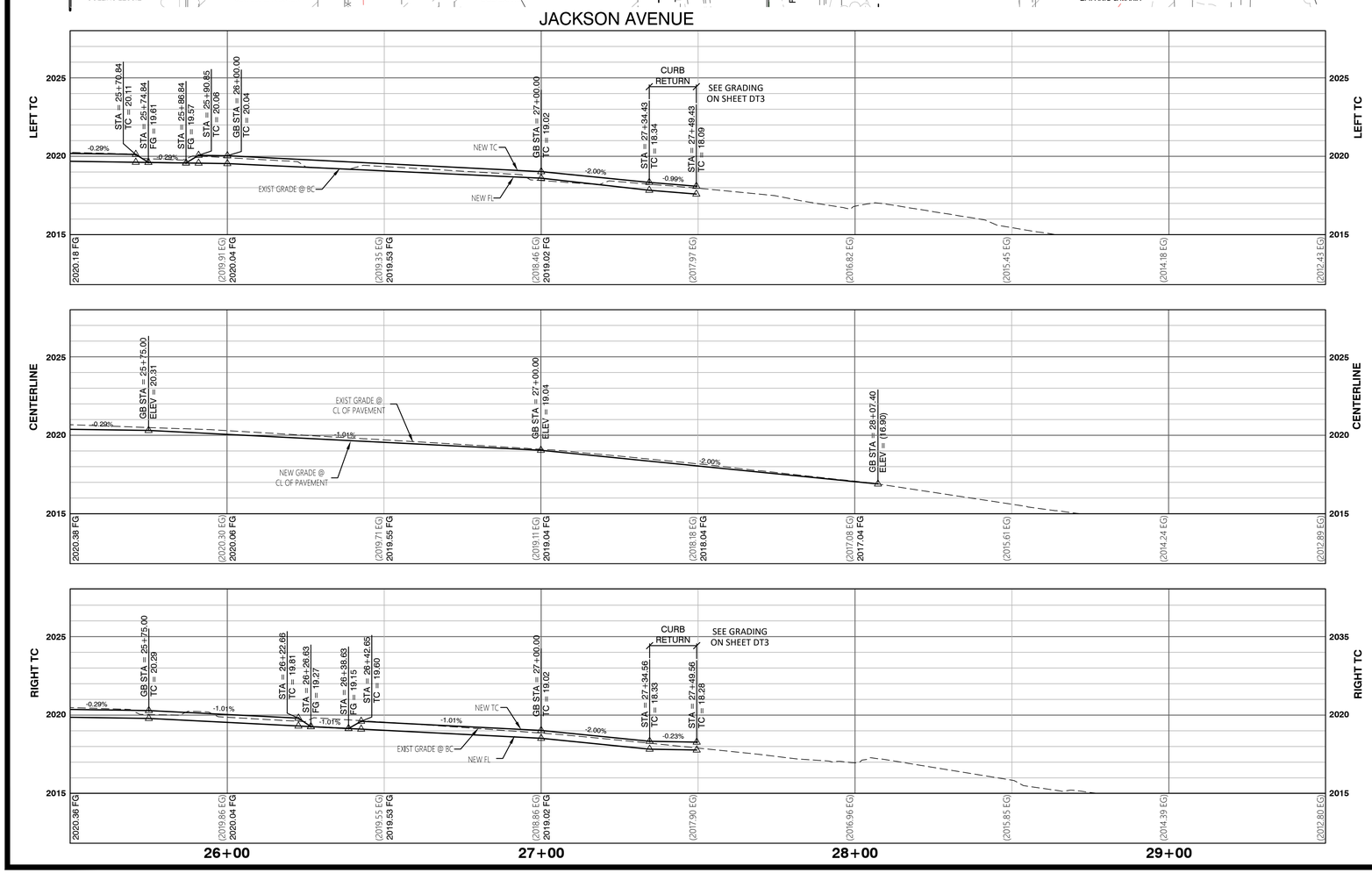
SHEET RD4

17 OF 59

DRAWING NO. 107V8328

J:\JOBS\8144_CITY_LAS_VEGAS\JACKSON_AVENUE_CMA\CIVIL\DWG\MWA400 - PRODUCTION\MWA400RD.DWG





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
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2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER STATE OF NEVADA MICHAEL A DAVIDSON EXP. 12/31/22 CIVIL NO. 19570
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

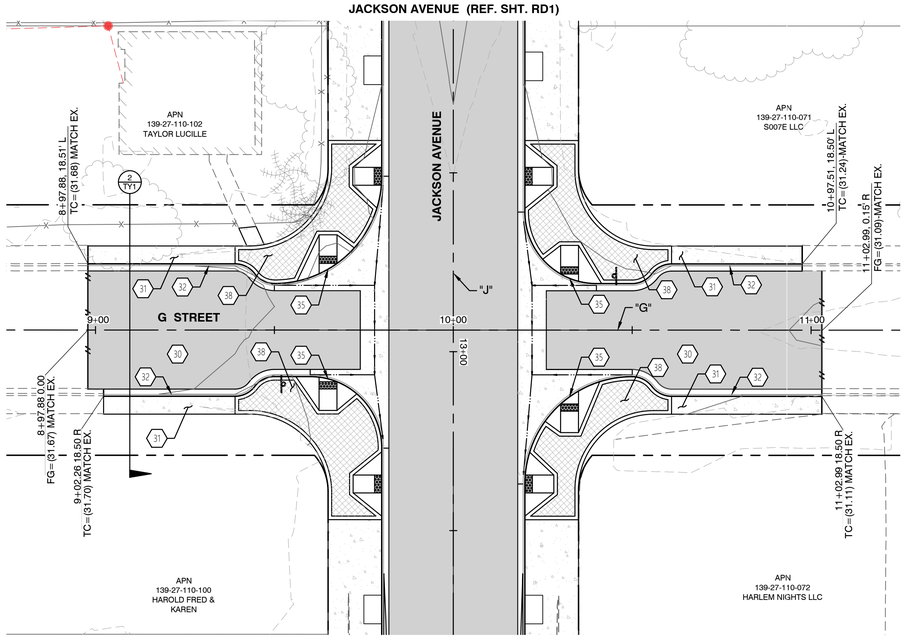
SHEET
ROADWAY PLAN & PROFILE
STA: "J" 25+50 TO "J" 29+50

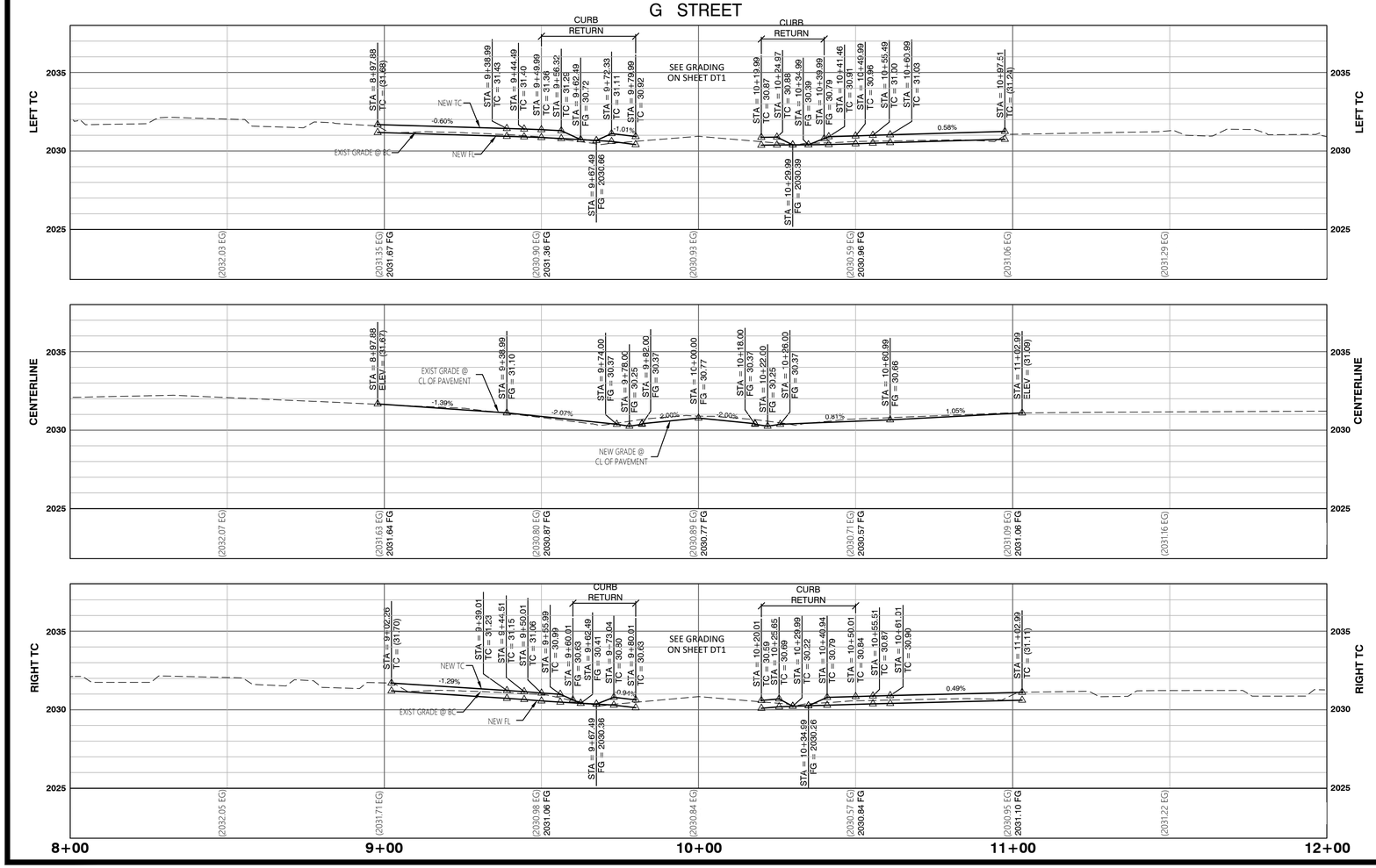
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
RD5
18 OF 59
DRAWING NO.
107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\7_PRODUCTION\MWA400RD.DWG





GRAPHIC SCALE

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(IN FEET)

1" = 20'

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APPROVED FOR CONSTRUCTION

Bobbie Skrove — 19RJS1320 — 11/29/2021

SOUTHWEST GAS CORPORATION — SWG UID — DATE

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — No. 19870 — PROFESSIONAL ENGINEER

2/23/2022

TITLE

JACKSON AVENUE
H STREET TO C STREET

SHEET

ROADWAY PLAN & PROFILE
STA: "G" 8+00 TO STA: "G" 12+00

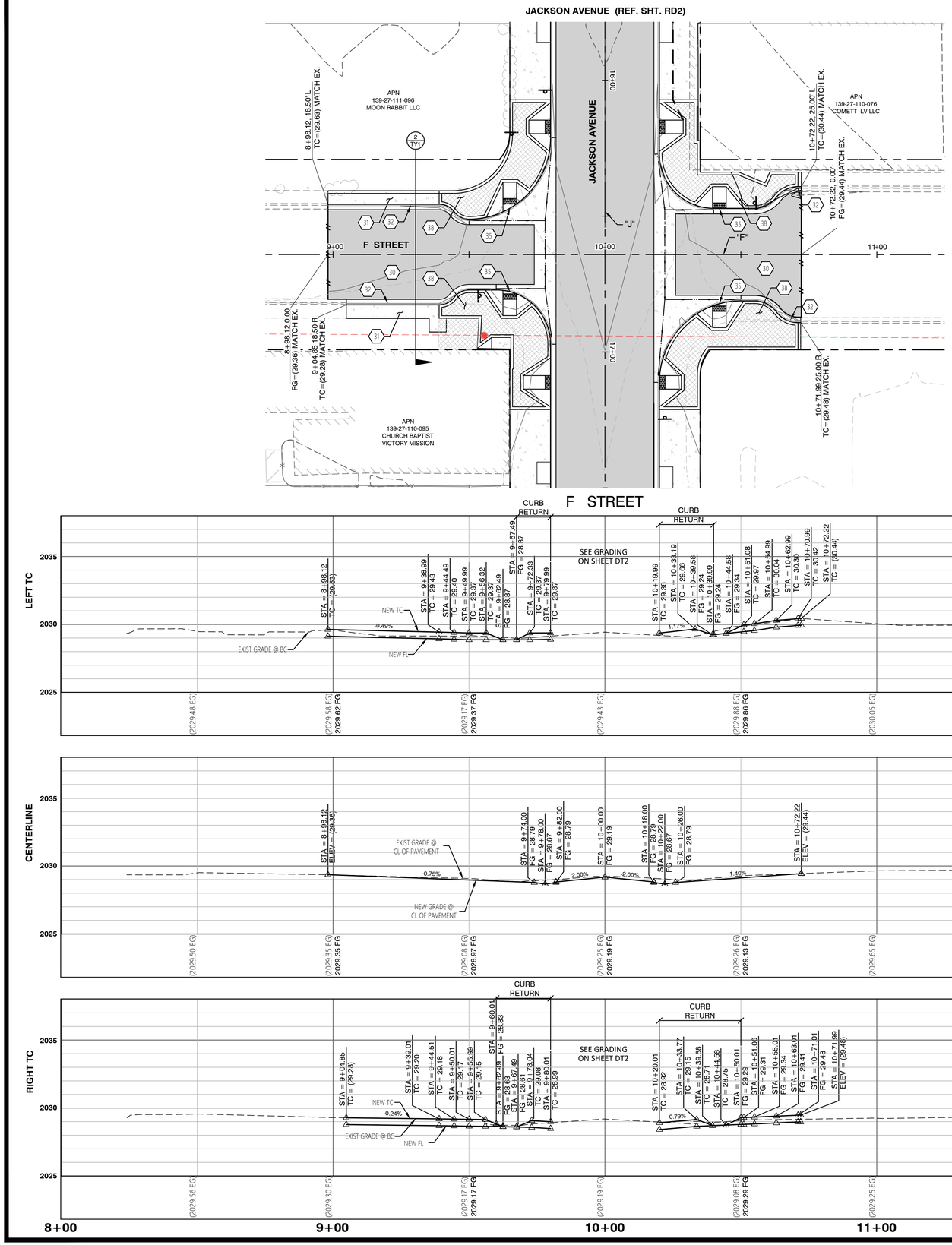
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
RD6
19 OF 59

DRAWING NO.
107V8328

2/23/22 J:\V3B\81944_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN_DUN\DWG\MWA400\1_PRODUCTION\MWA400RD.DWG



NORTH

GRAPHIC SCALE
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(IN FEET)
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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — No. 19870
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
ROADWAY PLAN & PROFILE
STA: "F" 8+00 TO STA "F" 12+00

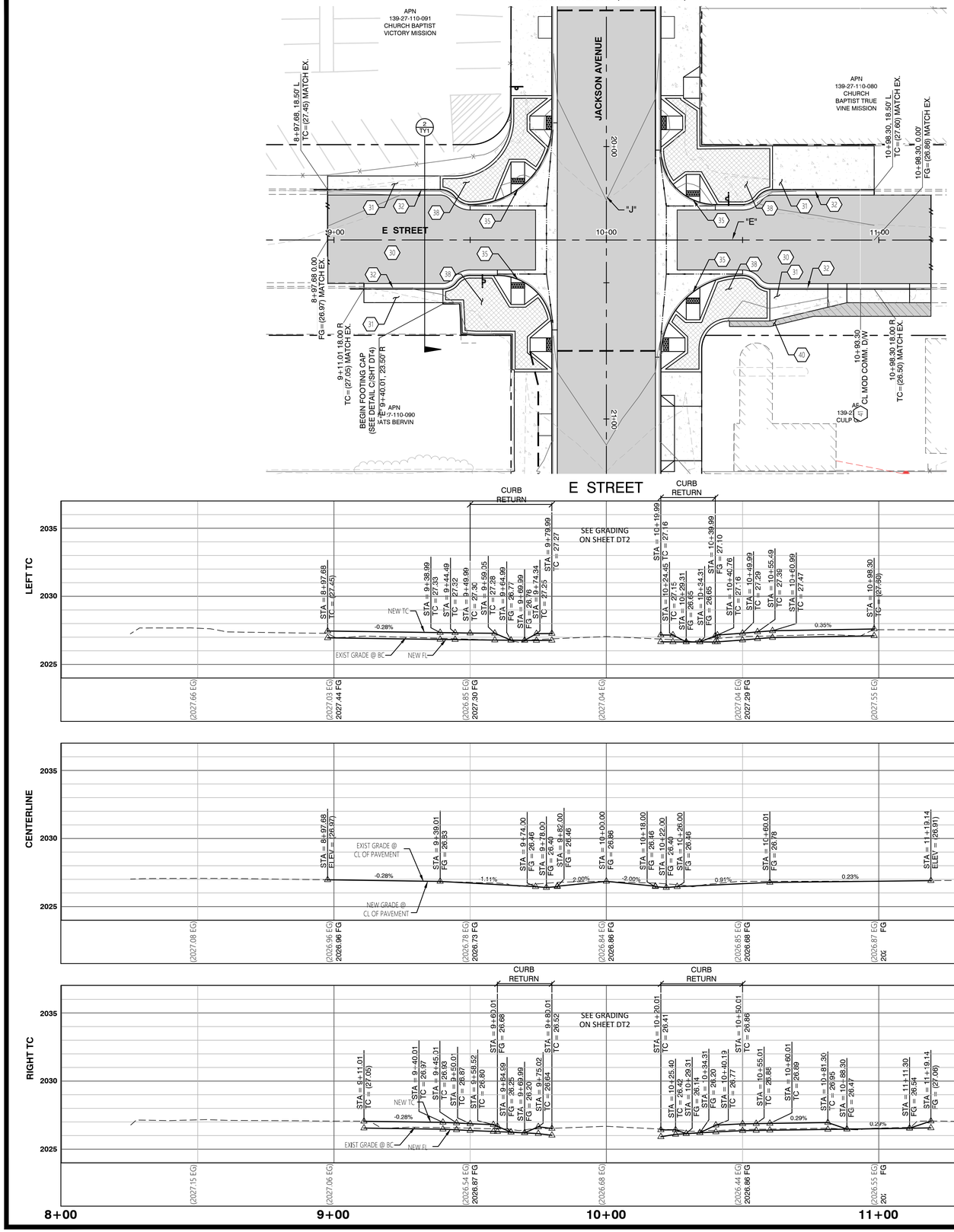
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
RD7
20 OF 59

DRAWING NO.
107V8328

J:\JOBS\1844\CITY_LAS_VEGAS\JACKSON_AVENUE_DM\CIVIL\DWG\MWA400) PRODUCTION\MWA400RD.DWG
2/23/22



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

NORTH

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APPROVED FOR CONSTRUCTION

Bobbie Skrove 19RJS1320 11/29/2021

SOUTHWEST GAS CORPORATION SWG UID DATE

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

PROFESSIONAL ENGINEER STATE OF NEVADA MICHAEL A DAVIDSON EXP. 12/31/22 CIVIL No. 19570

2/23/2022

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK
MWA # 400 | SUBMITTAL STAGE: FINAL | DRAWN BY: DAB | CHECKED BY: MAD

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
ROADWAY PLAN & PROFILE
STA: "E" 8+00 TO STA: "E" 12+00

SHEET
RD8
21 OF 59

DRAWING NO.
107V8328

J:\JOB\1844_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400RD.DWG
2/23/22

NORTH

GRAPHIC SCALE
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(IN FEET)
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2/23/2022

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK
MWA # 400		DRAWN BY: DAB
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
ROADWAY PLAN & PROFILE
STA: "D" 8+00 TO STA: "D" 12+00

SHEET
RD9
22 OF 59

DRAWING NO.
107V8328

I:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\W\DWG\MWA400\7_PRODUCTION\MWA400RDD.DWG
2/23/22

NORTH

GRAPHIC SCALE

40 0 20 40 80

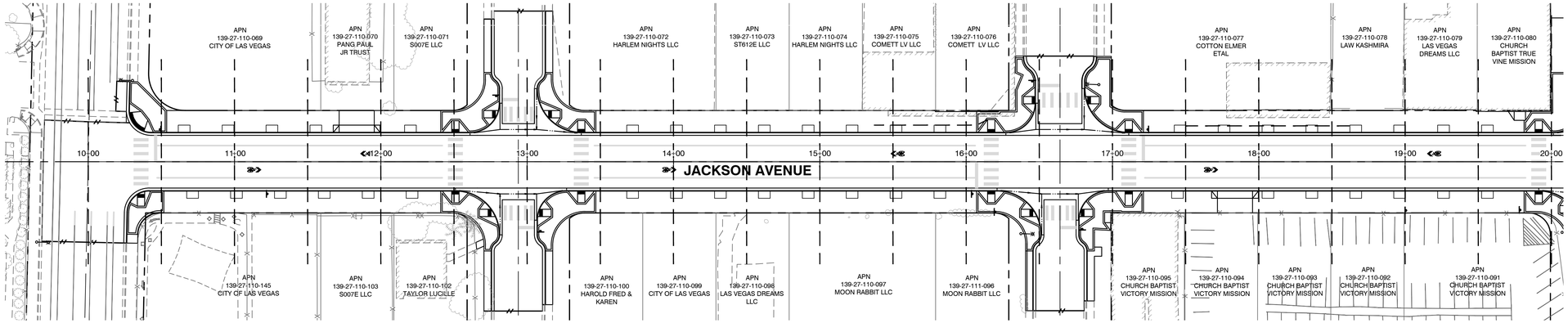
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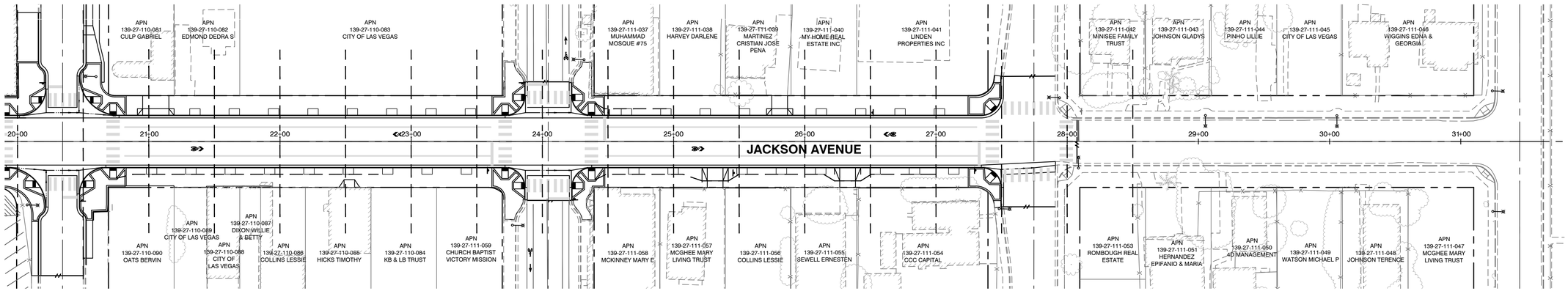
1" = 40'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION ⚠

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929





REVISIONS | NO. | DATE | SHEET

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
STATE OF NEVADA
PROFESSIONAL ENGINEER

2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: CROSS SECTIONS

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

H # MWA400 | SUBMITTAL STAGE: FINAL

SHEET CS1

23 OF 59

DRAWING NO. 107V8328

J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIA\CIVIL\DWG\MWA400\T_PRODUCTION\MWA400CS.DWG

2/23/22

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

HORIZONTAL SCALE

20 0 10 20 40

(IN FEET)
1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

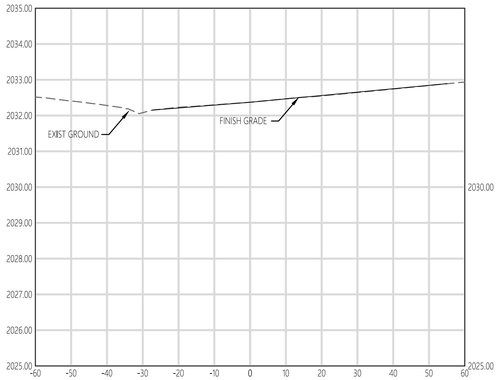
VERTICAL SCALE

4 2 0 1 2

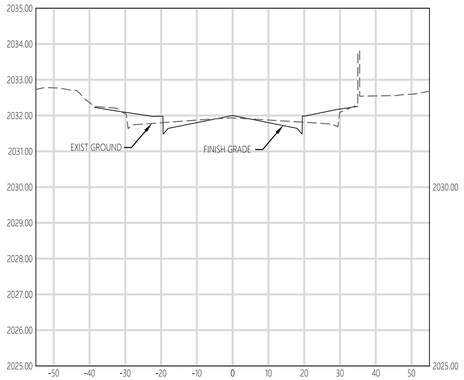
(IN FEET)
1" = 2'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

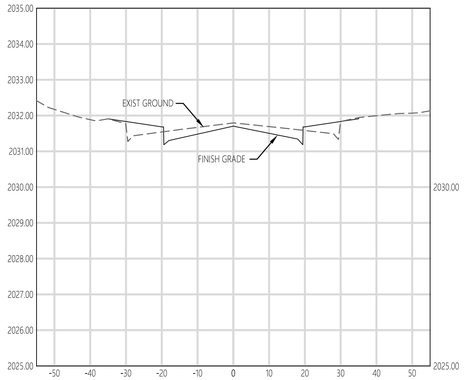
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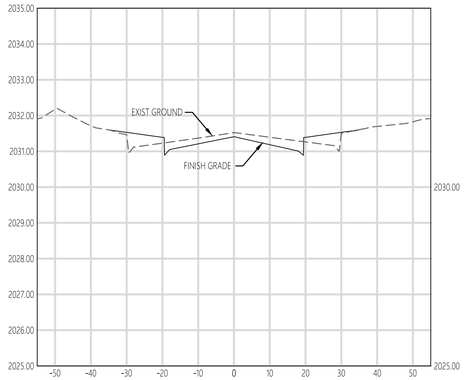
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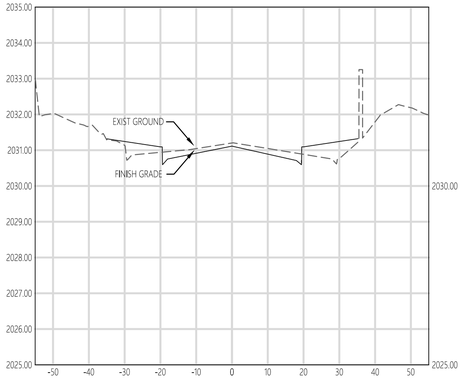
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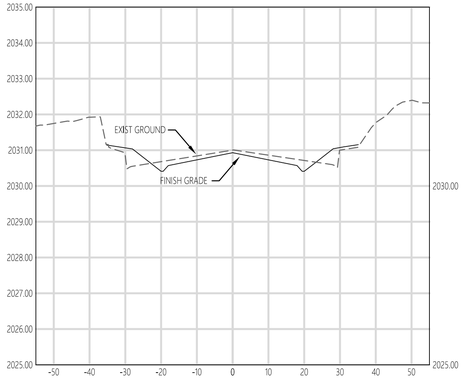
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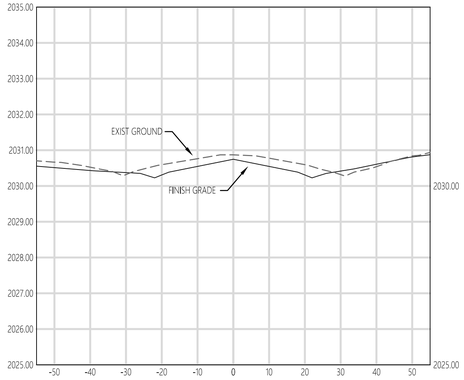
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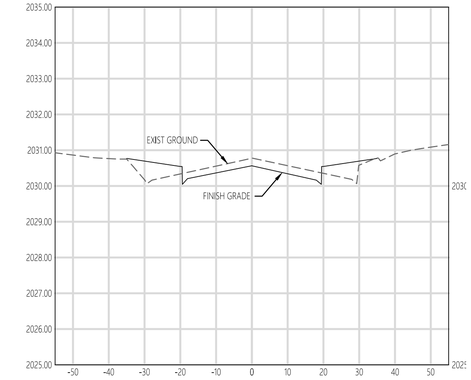
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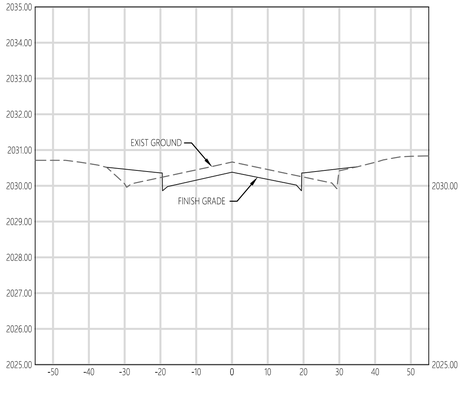
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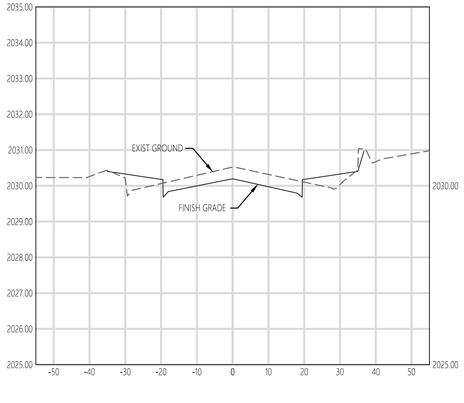
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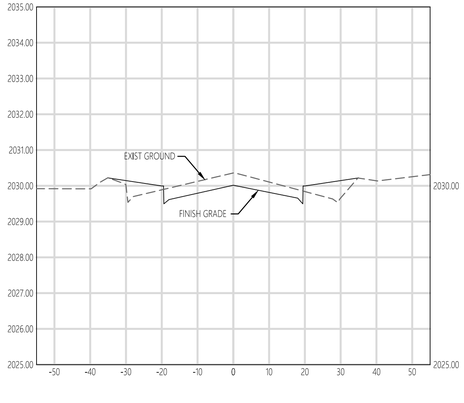
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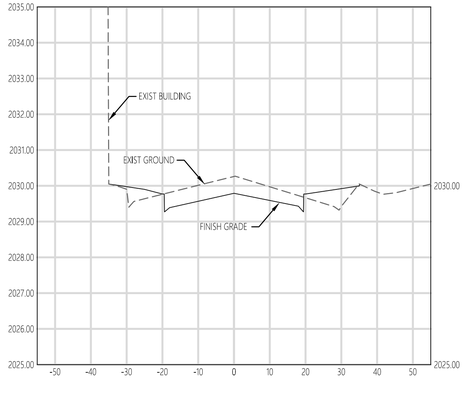
14+50.00



15+00.00



15+50.00



NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER
STATE OF NEVADA
MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870

2/23/2022

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C
H.# MWA400

DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD
SUBMITTAL STAGE: FINAL

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
CROSS SECTIONS

SHEET
CS2
24 OF 59

DRAWING NO.
107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400CS.DWG

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

HORIZONTAL SCALE

20 0 10 20 40

(IN FEET)
1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

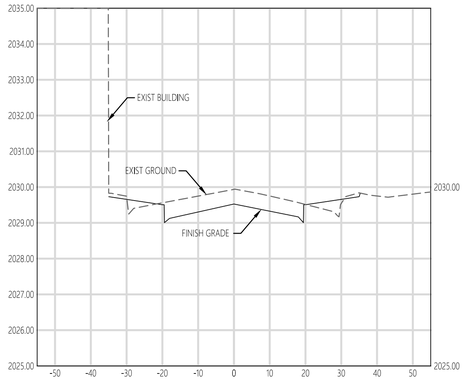
VERTICAL SCALE

4 2 0 2

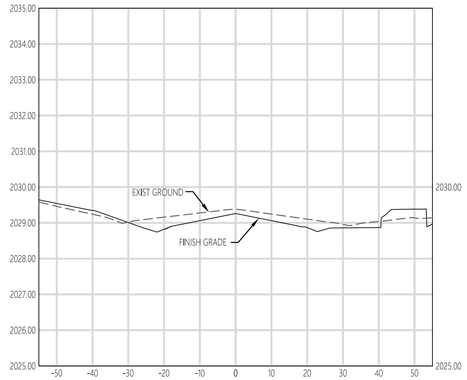
(IN FEET)
1" = 2'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

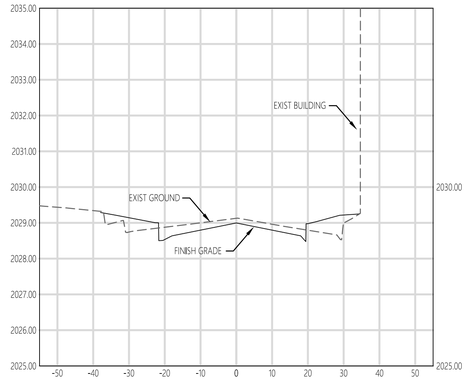
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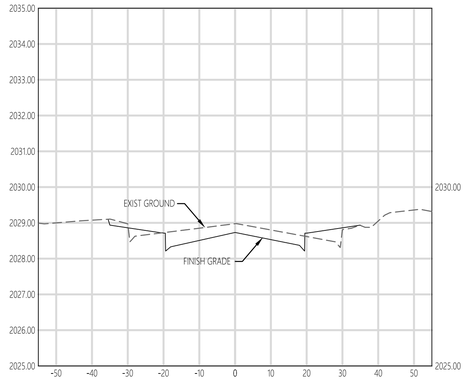
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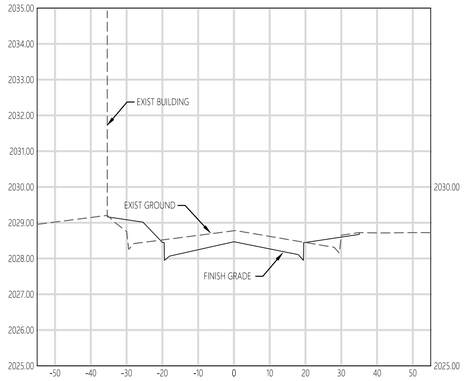
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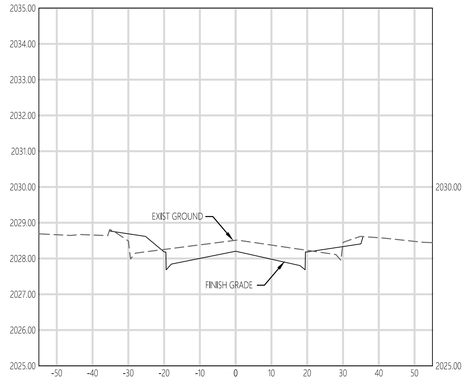
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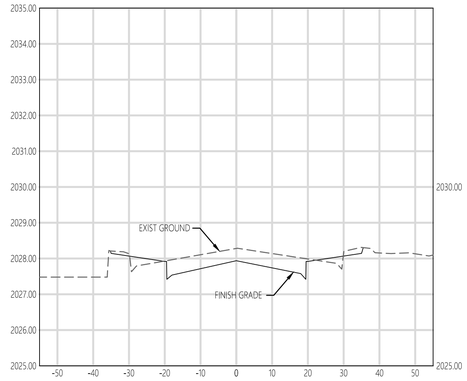
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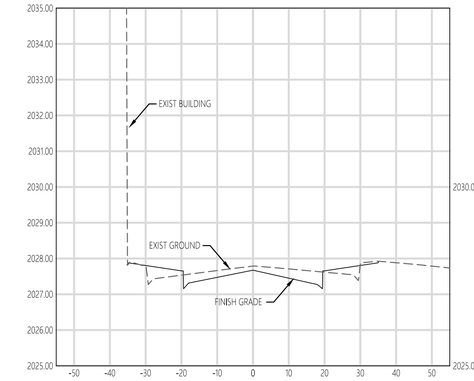
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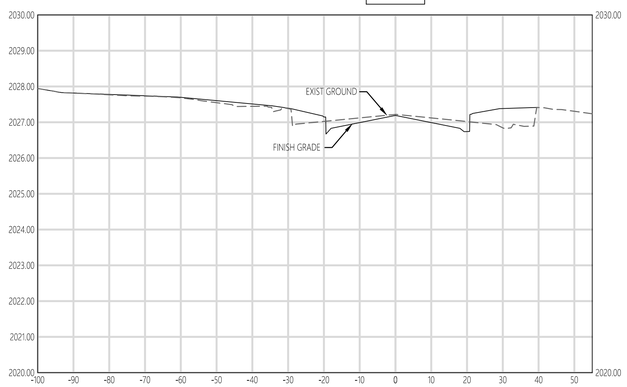
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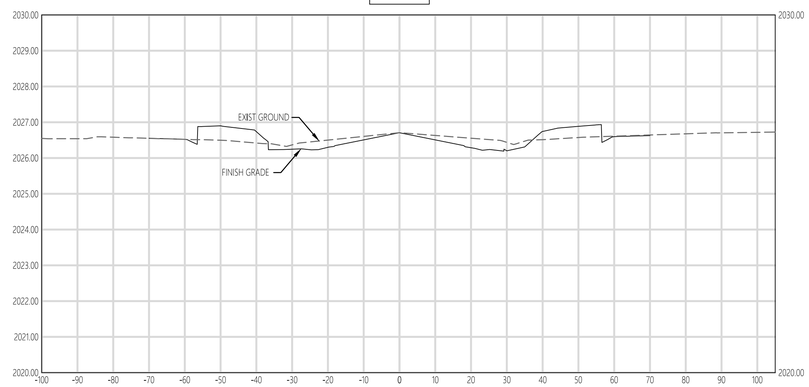
19+50.00



20+00.00



20+50.00



NO.	DATE	SHEET	REVISIONS

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER
STATE OF NEVADA
MICHAEL A. DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870

2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: CROSS SECTIONS

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C
H # MWA400

DATE: FEB-2022
SUBMITTAL STAGE: FINAL

DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

SHEET
CS3
25 OF 59

DRAWING NO.
107V8328

2/23/22 J:\JOBS\B1844_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400CS.DWG

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

HORIZONTAL SCALE

20 0 10 20 40

(IN FEET)
1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

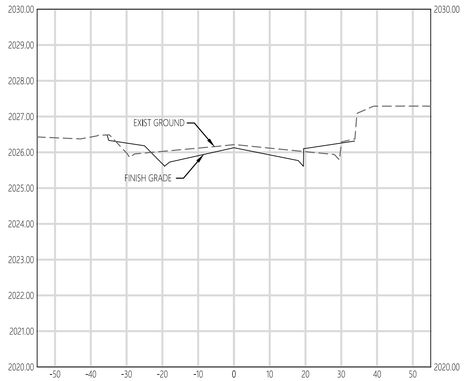
VERTICAL SCALE

4 2 0 2

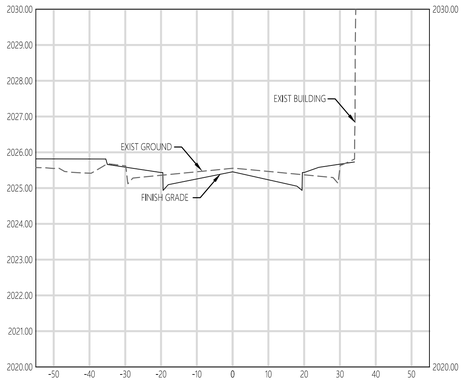
(IN FEET)
1" = 2'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

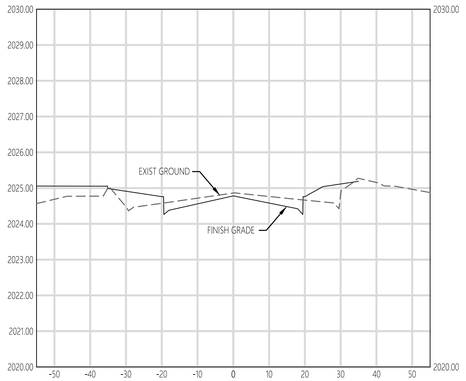
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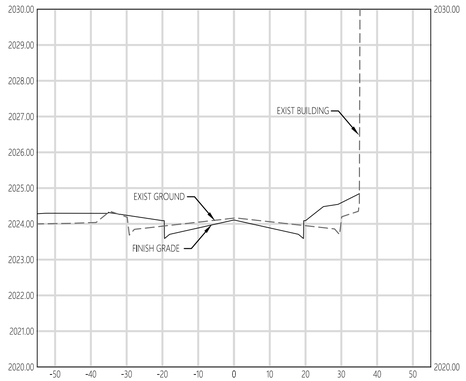
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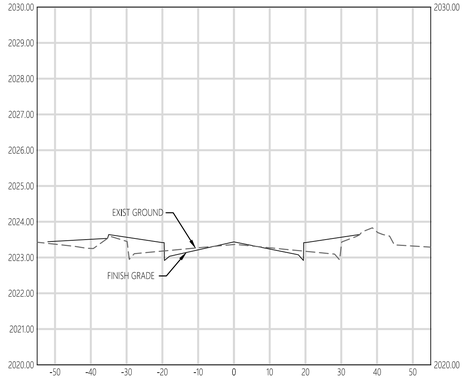
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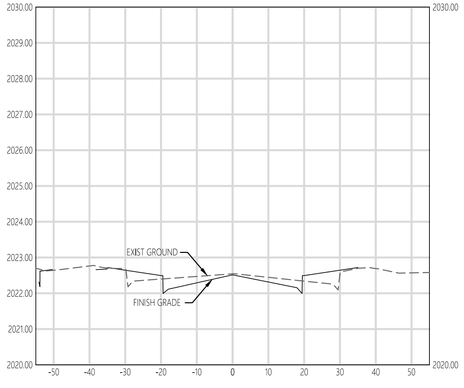
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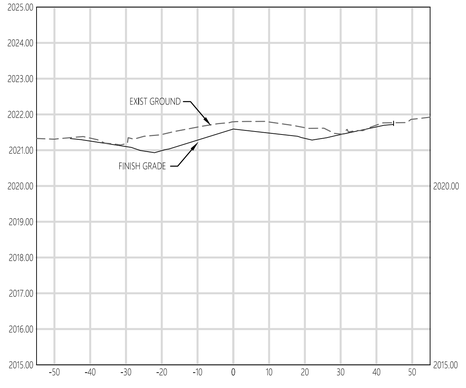
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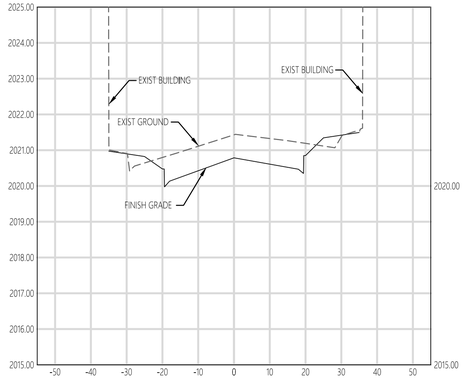
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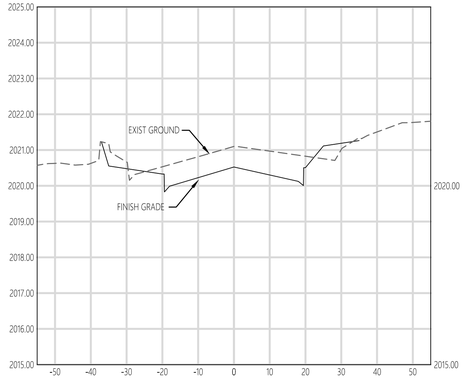
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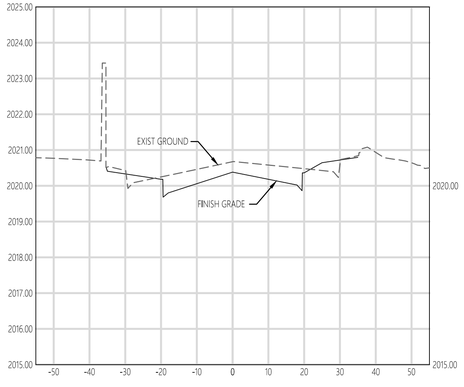
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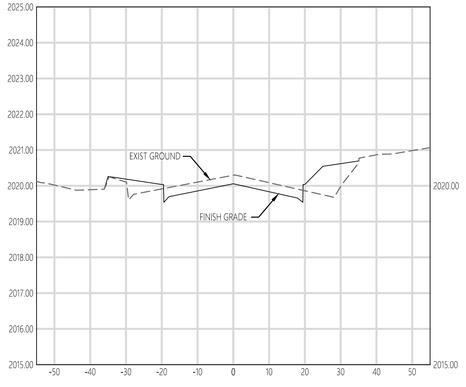
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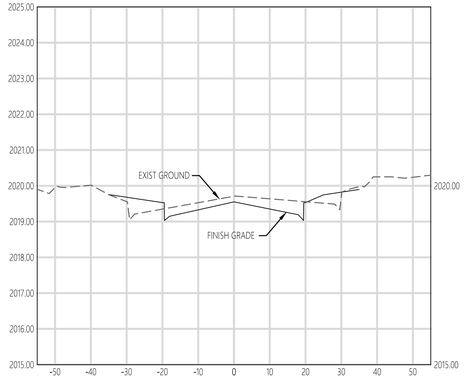
25+50.00



26+00.00



26+50.00



REVISIONS | SHEET | DATE | NO.

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19670
STATE OF NEVADA
PROFESSIONAL ENGINEER

2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
CROSS SECTIONS

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C
H # MWA400

DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

SUBMITTAL STAGE:
FINAL

SHEET
CS4
26 OF 59

DRAWING NO.
107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\CIVIL\DWG\MWA400\01 PRODUCTION\MWA400CS.DWG

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

HORIZONTAL SCALE

20 0 10 20 40

(IN FEET)
1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

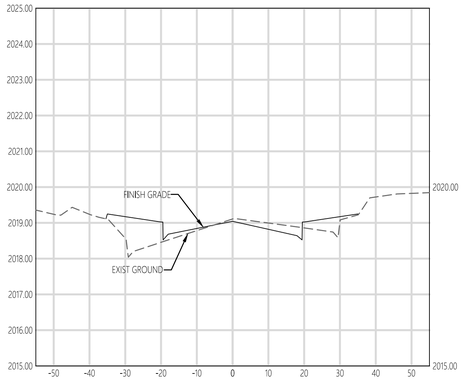
VERTICAL SCALE

4 2 0 2

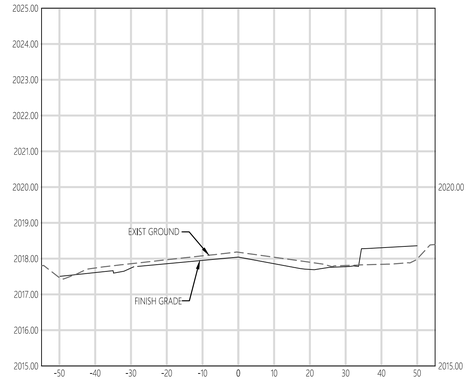
(IN FEET)
1" = 2'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

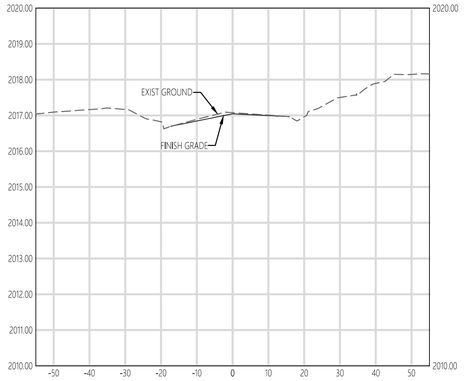
27+00.00



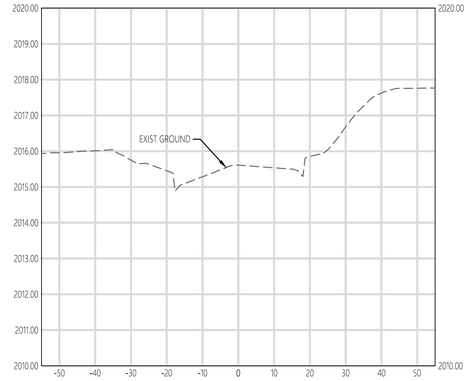
27+50.00



28+00.00



28+50.00



REVISIONS

NO.	DATE	SHEET

PREPARED BY:

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

STATE OF NEVADA
PROFESSIONAL ENGINEER
MICHAEL A DAVIDSON
EXP: 12/31/22
CIVIL
No. 19870

2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: CROSS SECTONS

PREPARED FOR: CITY OF LAS VEGAS

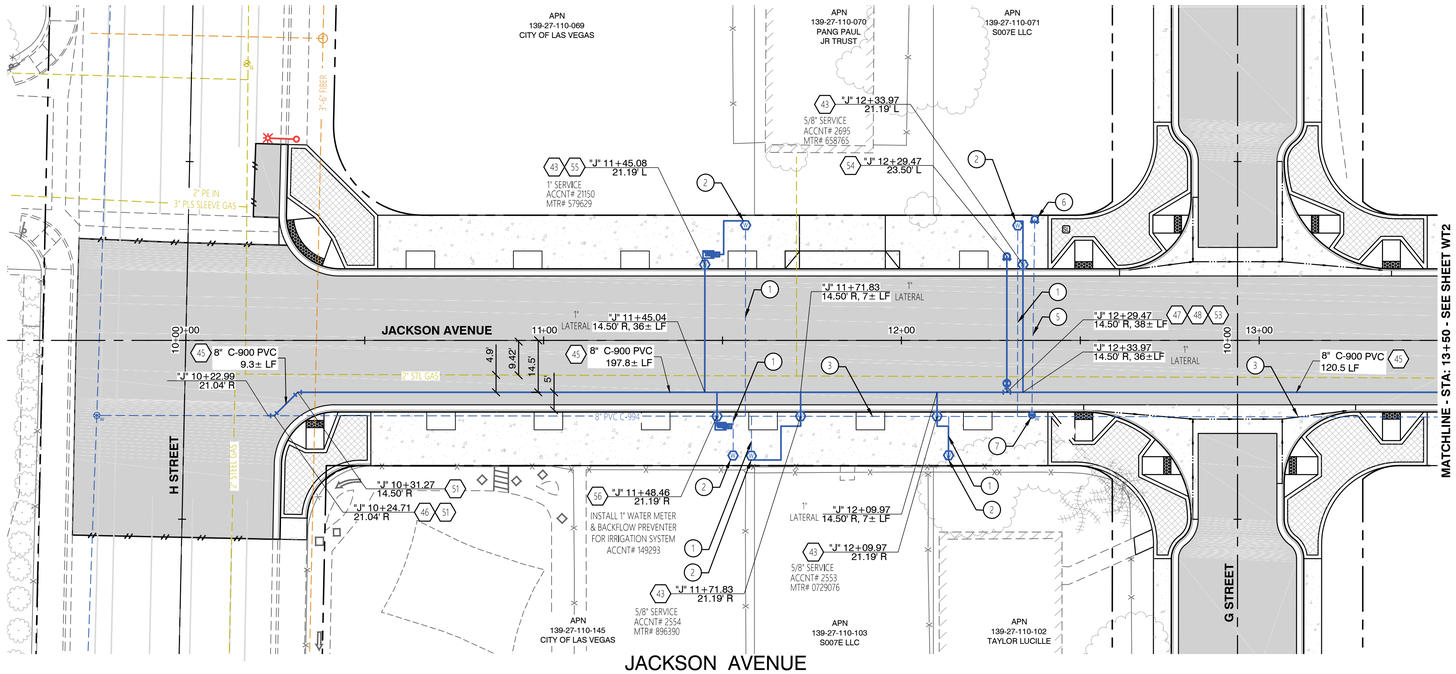
BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

H # MWA400 | SUBMITTAL STAGE: FINAL

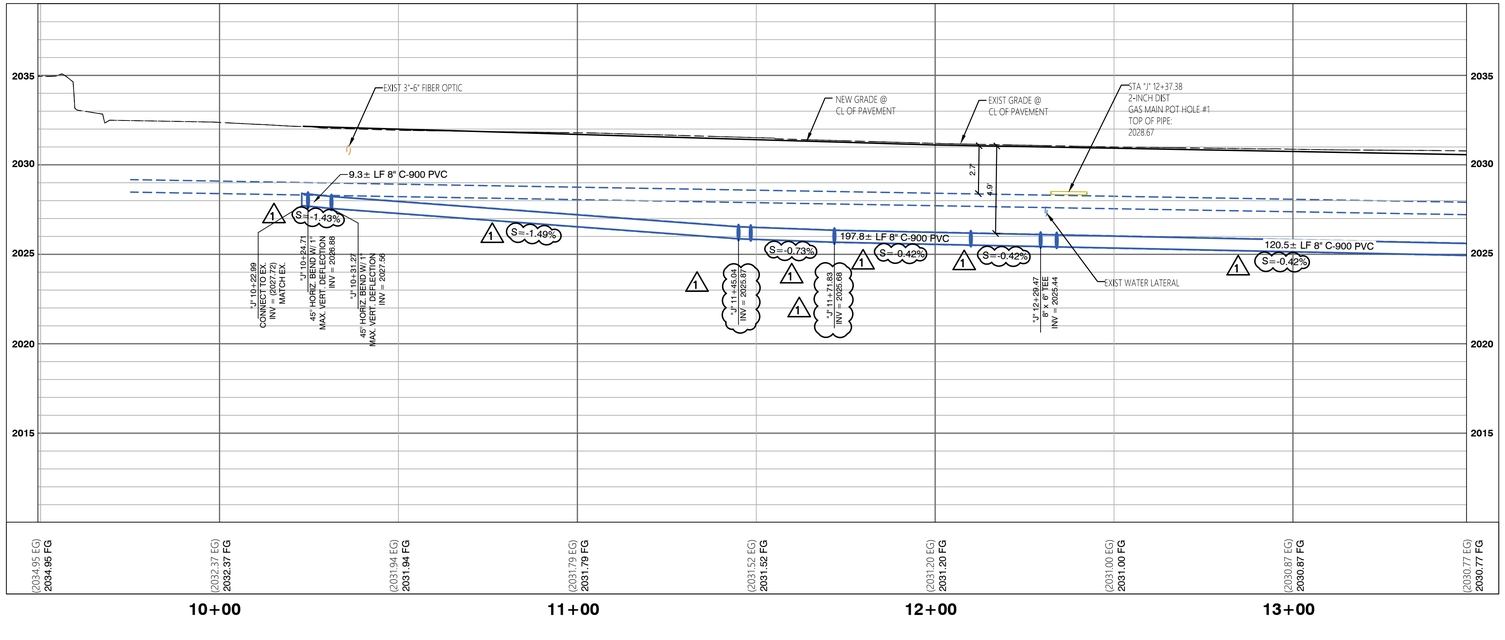
SHEET
CS5
27 OF 59

DRAWING NO.
107V8328

2/23/22 J:\JOBS\B1844_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400CS.DWG



JACKSON AVENUE



NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

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GENERAL NOTES:

1. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
2. 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.
3. CONSTRUCT WATERLINE TRENCH SECTION AND BACKFILL PER UDACS PLATE 17.
4. CONTRACTOR SHALL MATCH ALL EXISTING INVERT ELEVATIONS AT POINT OF CONNECTION LOCATIONS.
5. SEE IRRIGATION PLANS FOR IRRIGATION SLEEVE INFORMATION.
6. EXISTING WATER MAIN AND SERVICES SHALL REMAIN ACTIVE UNTIL NEW WATER MAIN AND SERVICES ARE CONSTRUCTED AND CAN BE ACTIVATED. ALL TESTING AND CONNECTIONS TO EXISTING WATER MAINS SHALL BE IN COMPLIANCE WITH LVVWD UDACS.

LEGEND:

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		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	4 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	327.6± LF
46	POINT OF CONNECTION	1 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	55± LF
48	INSTALL 6" GATE VALVE (PER UDACS PLATE 30 & 39)	1 EA
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51	INSTALL 8" 45° BEND (PER UDACS PLATE 31)	2 EA
52	INSTALL 8" CROSS (PER UDACS PLATE 31)	0 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	1 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	1 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	2 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	1 EA

REMOVAL/ABANDONMENT NOTES:

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2. REMOVE WATER METER
3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
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7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: _____

NO.	DATE	SHEET	REVISIONS
1	12/7/22	WT1	WATER LINE INFORMATION REVISION

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

NOT FOR CONSTRUCTION

TITLE
JACKSON AVENUE
H STREET TO C STREET

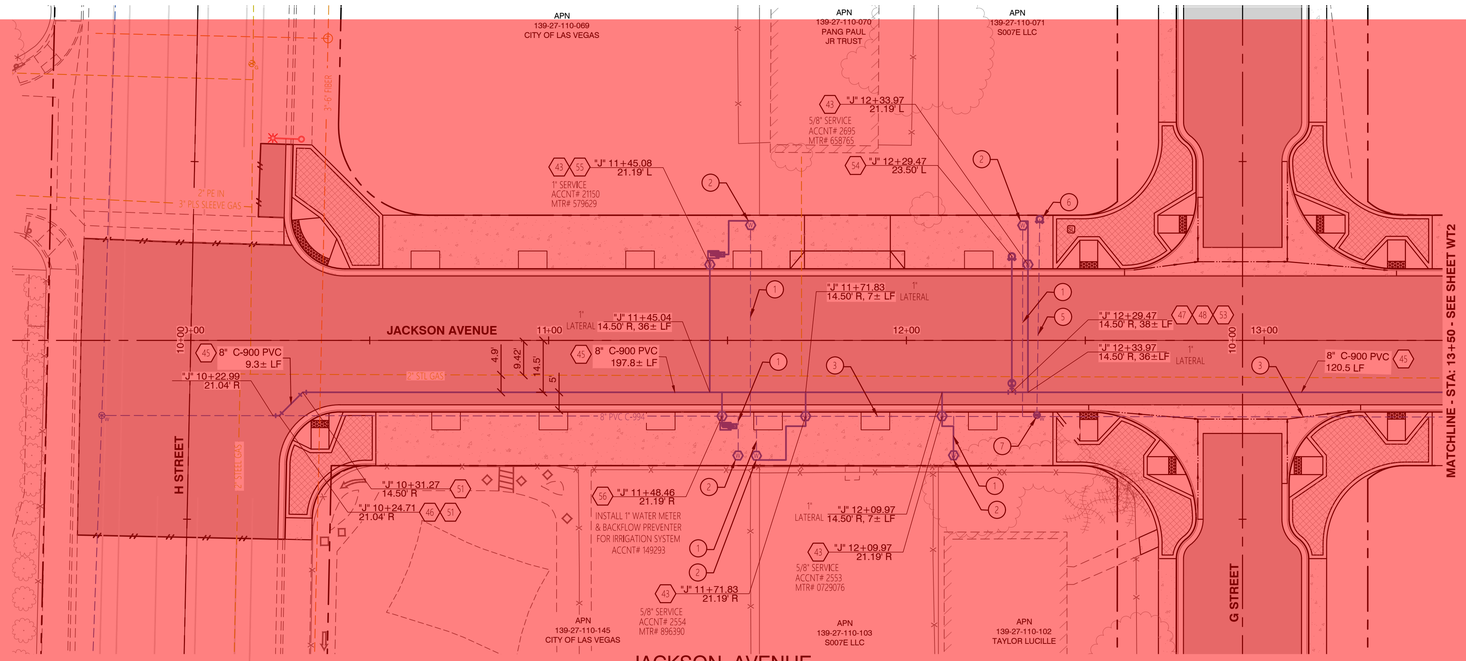
SHEET
WATER PLAN & PROFILE
STA: "J" 9+50 TO STA: "J" 13+50

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
WT1
28 OF 59
DRAWING NO.
107V8328

J:\JOBS\8444_CITY_LAS_VEGAS\JACKSON_AVENUE_IDA\CIVIL\DWG\MWA400\T-PRODUCTION\MWA400WT.DWG
12/7/22





NORTH

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8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

REVISED

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: WATER PLAN & PROFILE
STA: "J" 9+50 TO STA: "J" 13+50

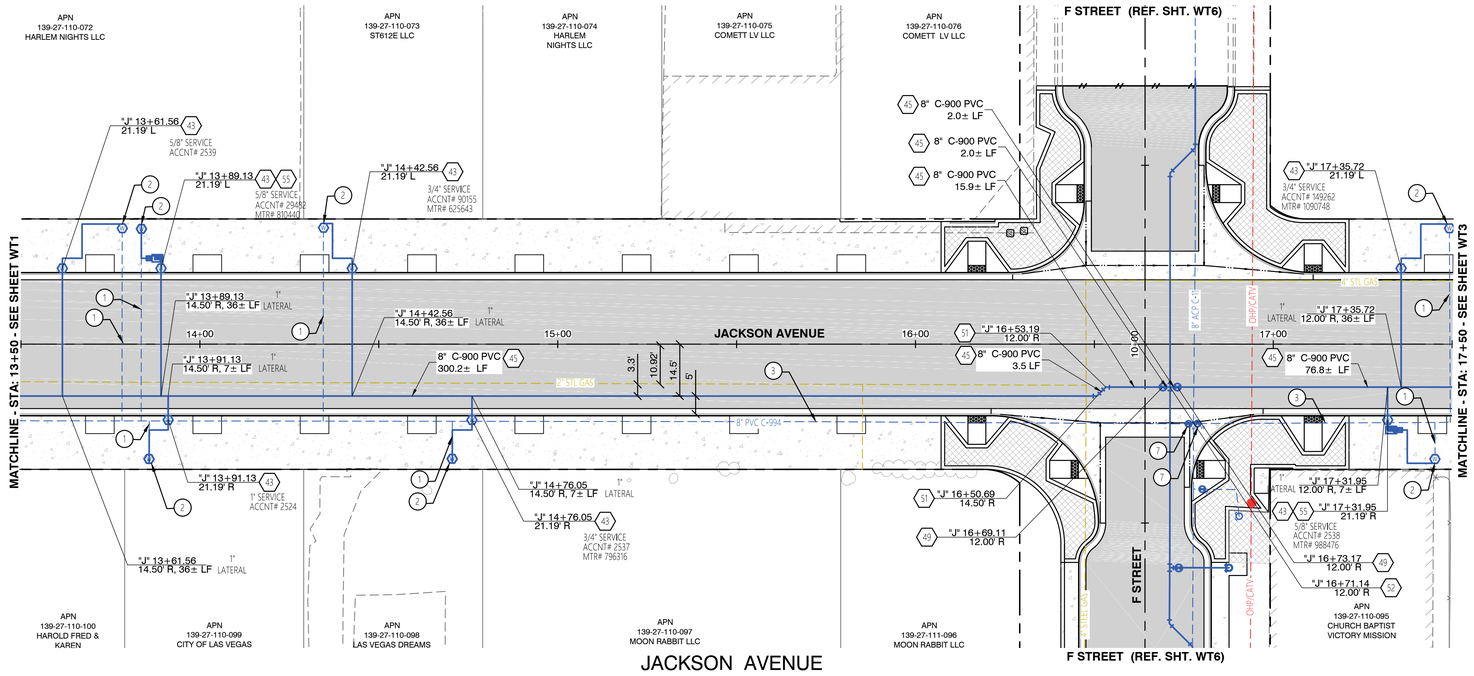
PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MVA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

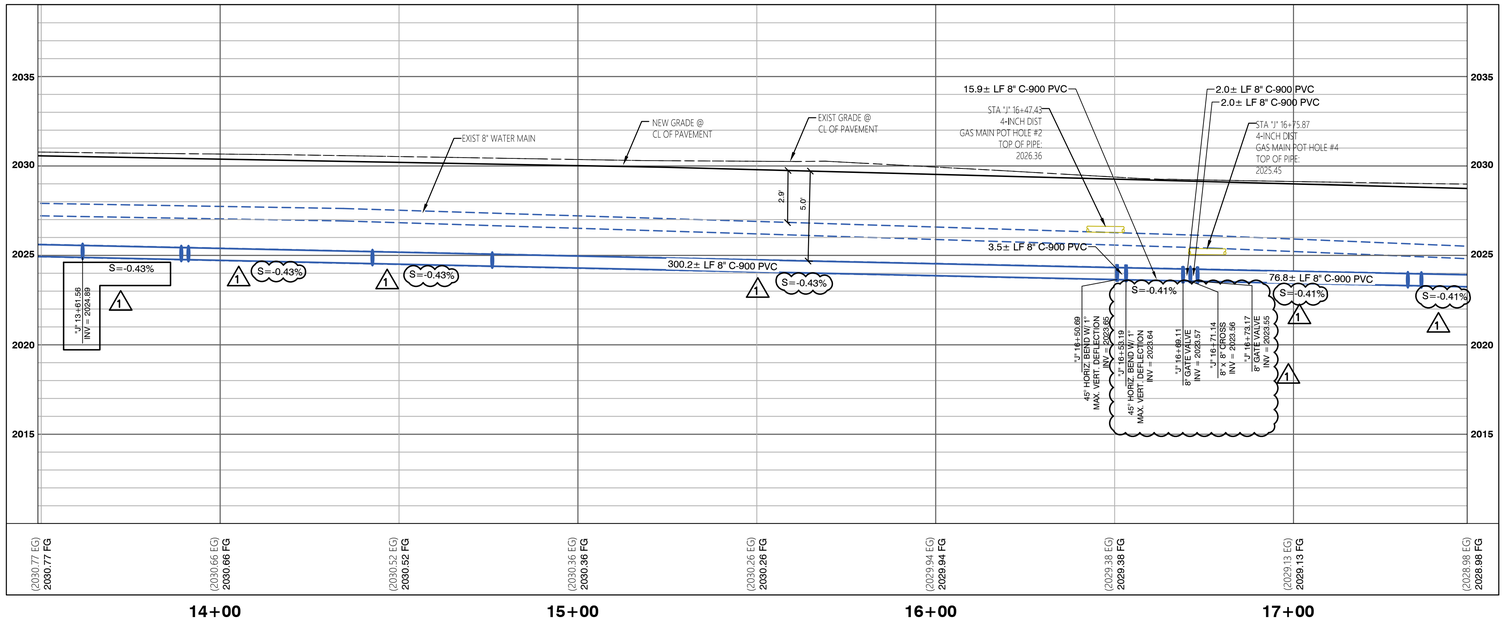
SHEET
WT1
28 OF 59

DRAWING NO.
107V8328

2/23/22
I:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_OAK\DWG\MWA400\7 PRODUCTION\MWA400WT.DWG



JACKSON AVENUE



NORTH

GRAPHIC SCALE
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APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: _____

NO.	DATE	SHEET	WATER LINE INFORMATION REVISION	REVISIONS
1	12/7/22	WT2		

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

NOT FOR CONSTRUCTION

TITLE
JACKSON AVENUE
H STREET TO C STREET

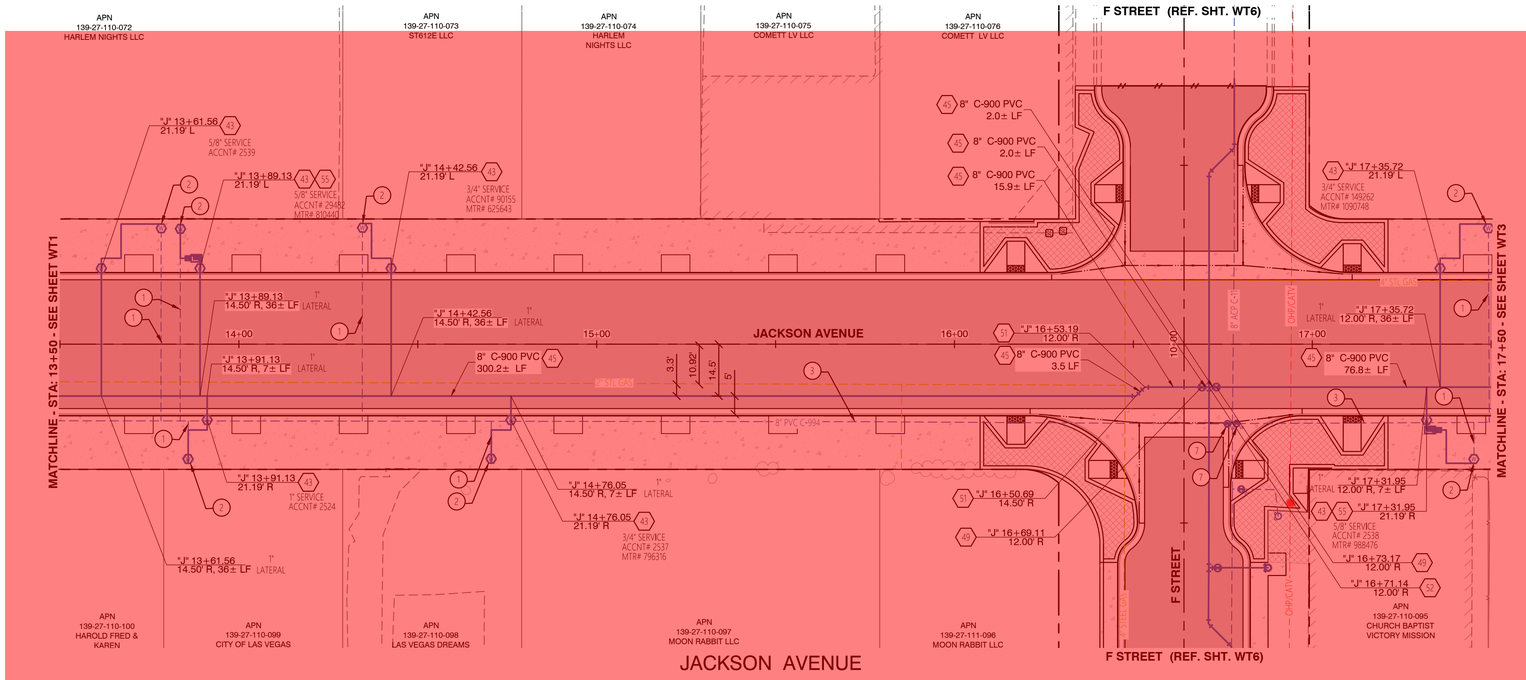
SHEET
WATER PLAN & PROFILE
STA: "J" 13+50 TO STA: "J" 17+50

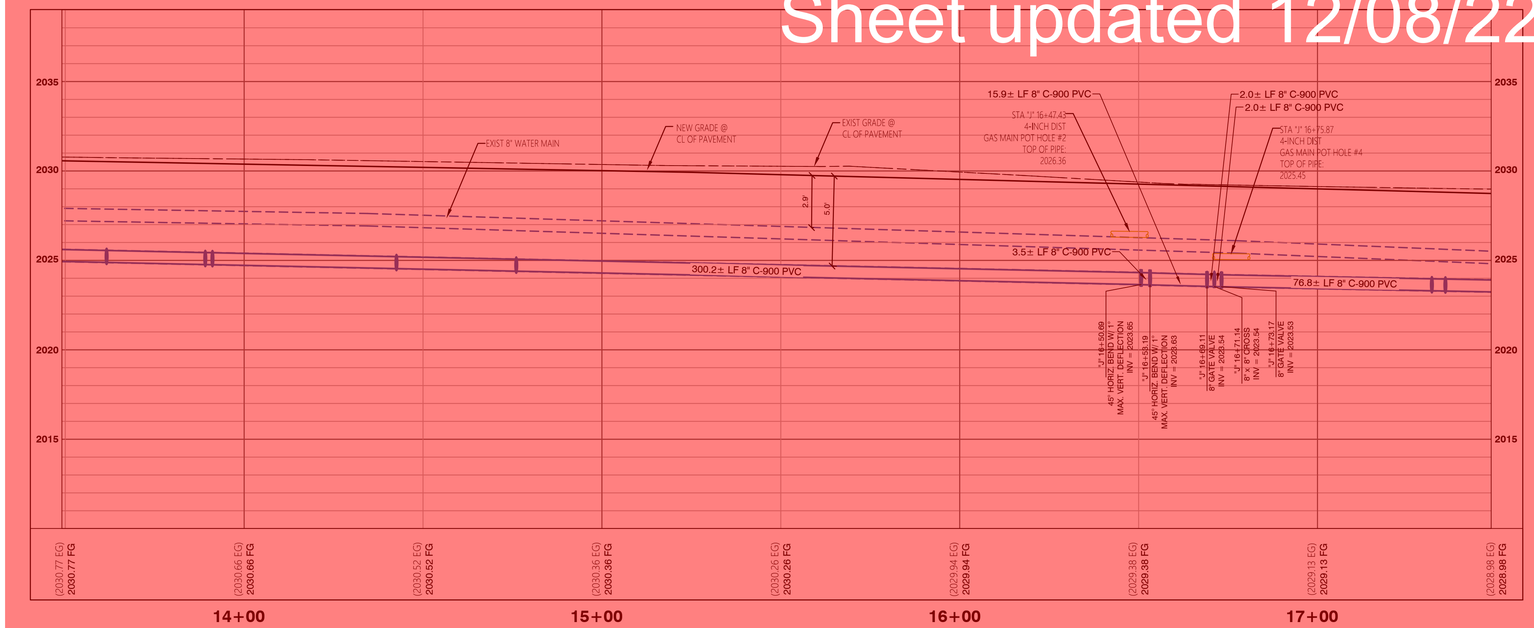
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	CHECKED BY: MAD
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL			

SHEET
WT2
29 OF 59
DRAWING NO.
107V8328

J:\JOBS\8944_CITY_LAS_VEGAS\JACKSON_AVENUE_CIM\CIVIL\DWG\MWA400\T-PRODUCTION\MWA400WT.DWG
12/7/22





Sheet updated 12/08/22

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021	
SOUTHWEST GAS CORPORATION	SWG UID	DATE	

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY

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2190 E. PEBBLE ROAD T 702.320.3600
SUITE 200
LAS VEGAS NV 89123

REVISED

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: WATER PLAN & PROFILE STA: "J" 13+50 TO STA: "J" 17+50

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

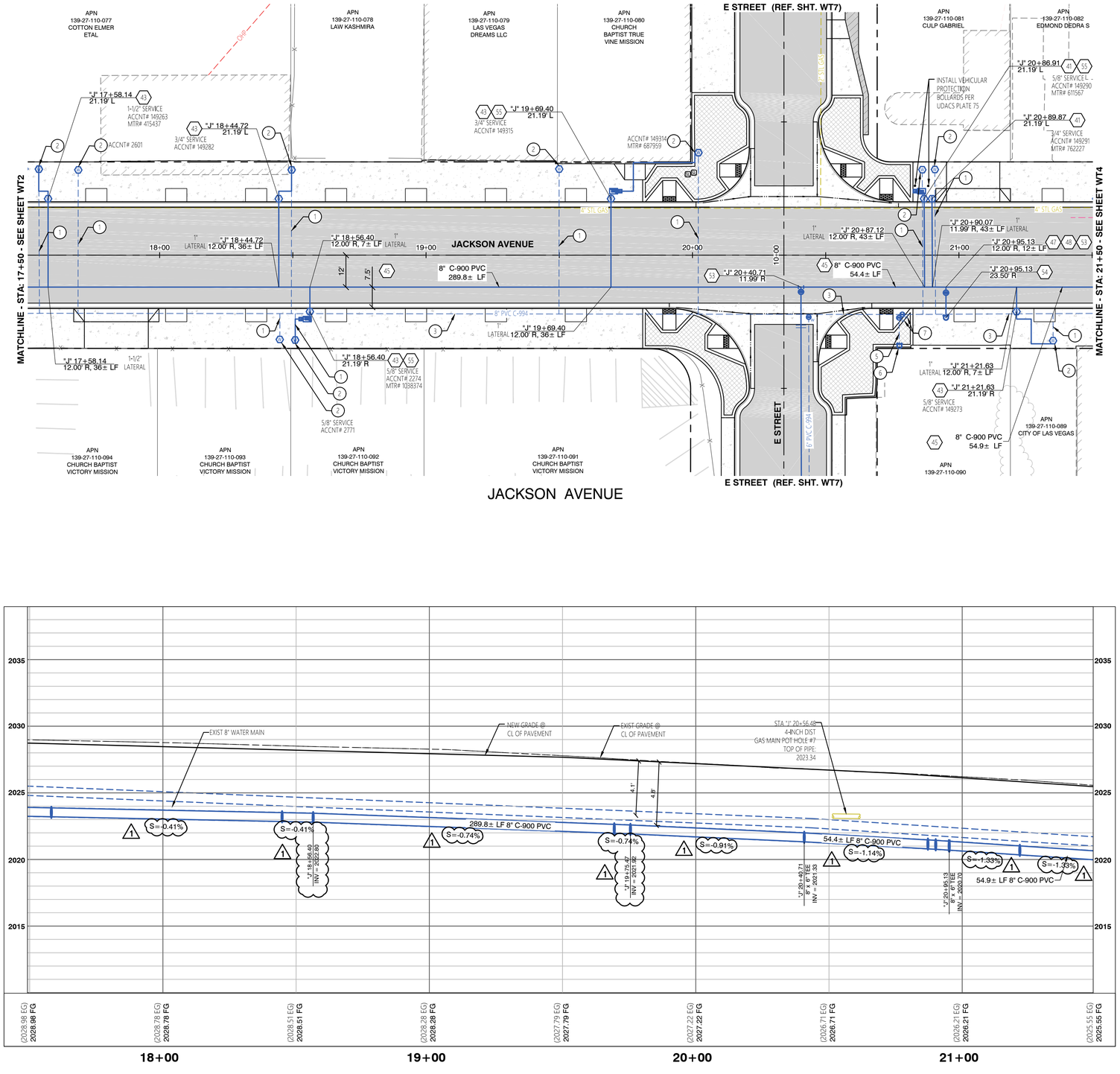
MWA # 400 | SUBMITTAL STAGE: FINAL

SHEET WT2

29 OF 59

DRAWING NO. 107V8328

2/3/22 J:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\ PRODUCTION\MWA400WT.DWG



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GENERAL NOTES:

1. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
2. 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.
3. CONSTRUCT WATERLINE TRENCH SECTION AND BACKFILL PER UDACS PLATE 17.
4. CONTRACTOR SHALL MATCH ALL EXISTING INVERT ELEVATIONS AT POINT OF CONNECTION LOCATIONS.
5. SEE IRRIGATION PLANS FOR IRRIGATION SLEEVE INFORMATION.
6. EXISTING WATER MAIN AND SERVICES SHALL REMAIN ACTIVE UNTIL NEW WATER MAIN AND SERVICES ARE CONSTRUCTED AND CAN BE ACTIVATED. ALL TESTING AND CONNECTIONS TO EXISTING WATER MAINS SHALL BE IN COMPLIANCE WITH LVVWD UDACS.

LEGEND:

WATER CONSTRUCTION NOTES:

		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	2 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	5 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	399.1± LF
46	POINT OF CONNECTION	0 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	12± LF
48	INSTALL 6" GATE VALVE (PER UDACS PLATE 30 & 39)	1 EA
49	INSTALL 8" GATE VALVE (PER UDACS PLATE 30 & 39)	0 EA
50	INSTALL 6" 45° BEND (PER UDACS PLATE 31)	0 EA
51	INSTALL 8" 45° BEND (PER UDACS PLATE 31)	0 EA
52	INSTALL 8" CROSS (PER UDACS PLATE 31)	0 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	2 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	1 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	3 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
2. REMOVE WATER METER
3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
5. REMOVE FIRE HYDRANT LATERAL
6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE:

NO.	DATE	SHEET	REVISIONS
1	12/7/22	WT3	WATER LINE INFORMATION REVISION

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD SUITE 260 LAS VEGAS NV 89123
T 702.320.3600

NOT FOR CONSTRUCTION

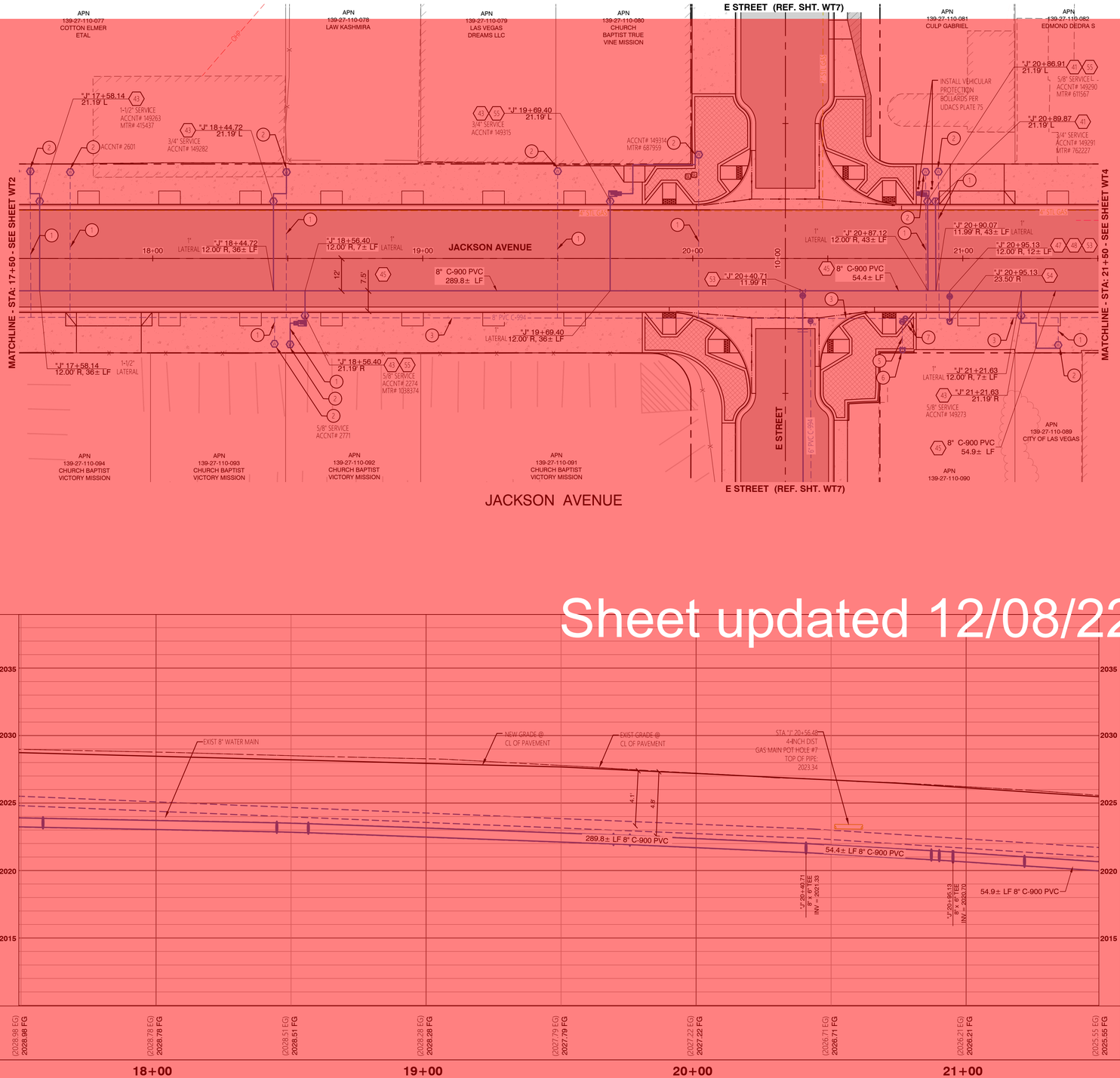
TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: WATER PLAN & PROFILE STA: "J" 17+50 TO STA: "J" 21+50

PREPARED FOR: CITY OF LAS VEGAS
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD
BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET WT3
30 OF 59
DRAWING NO. 107V8328

J:\JOBS\8944_CITY_LAS_VEGAS\JACKSON_AVENUE_CIA\CIVIL\DWG\MWA400\T-PRODUCTION\MWA400WT.DWG
12/7/22



Sheet updated 12/08/22

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

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REMOVAL/ABANDONMENT NOTES:

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6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

REVISED

TITLE
JACKSON AVENUE
H STREET TO C STREET

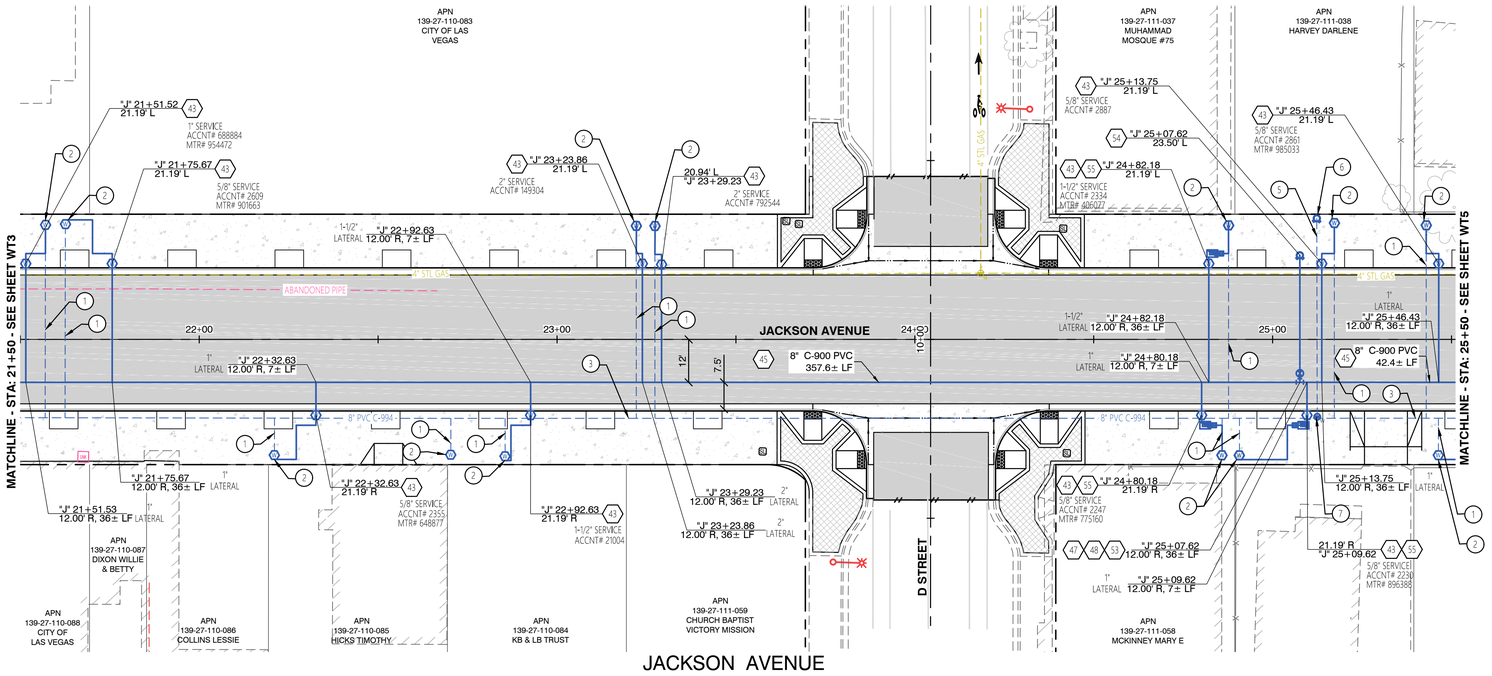
SHEET
WATER PLAN & PROFILE
STA: "J" 17+50 TO STA: "J" 21+50

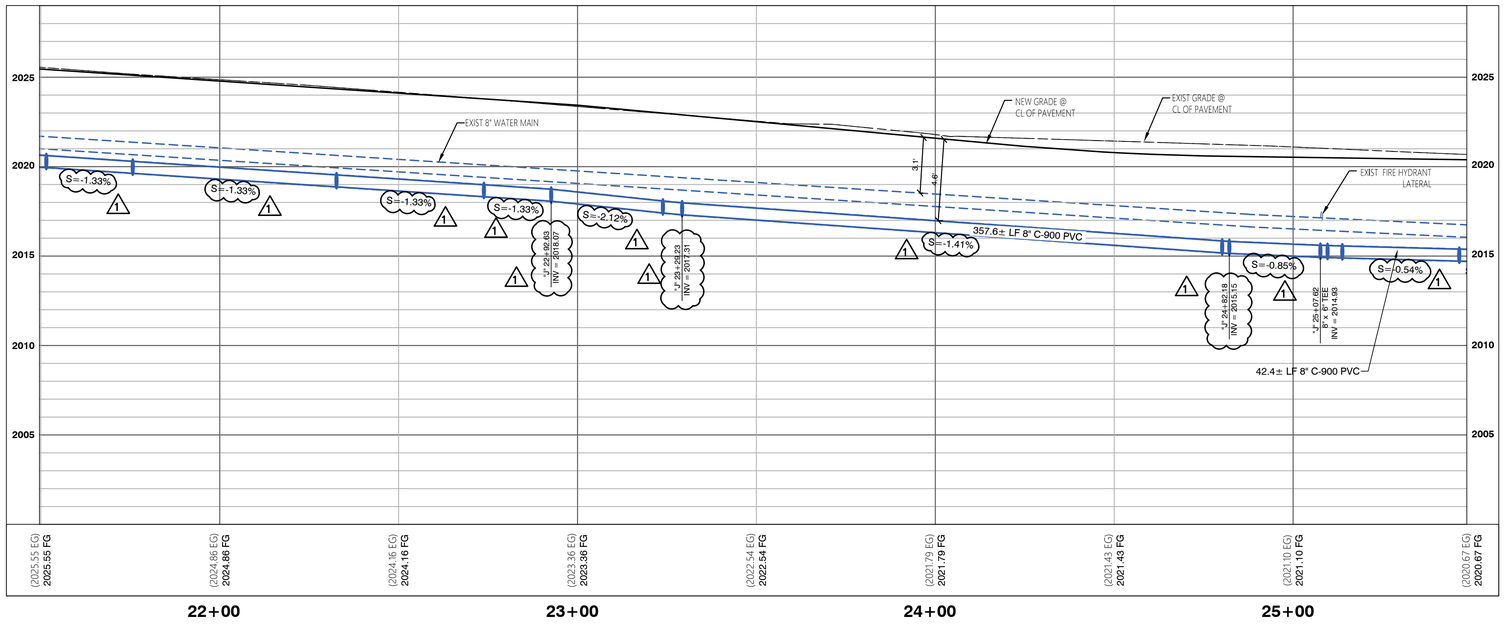
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	DRAWN BY: DAB	CHECKED BY: MAD
MWA # 400		SUBMITTAL STAGE: FINAL		

SHEET
WT3
30 OF 59
DRAWING NO.
107V8328

2/3/22 J:\JOBS\81344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400V1 PRODUCTION\MWA400V1.DWG





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

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APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE:

NO.	DATE	SHEET	REVISIONS
1	12/7/22	WT4	WATER LINE INFORMATION REVISION

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 200
LAS VEGAS NV 89123

NOT FOR CONSTRUCTION

TITLE
JACKSON AVENUE
H STREET TO C STREET

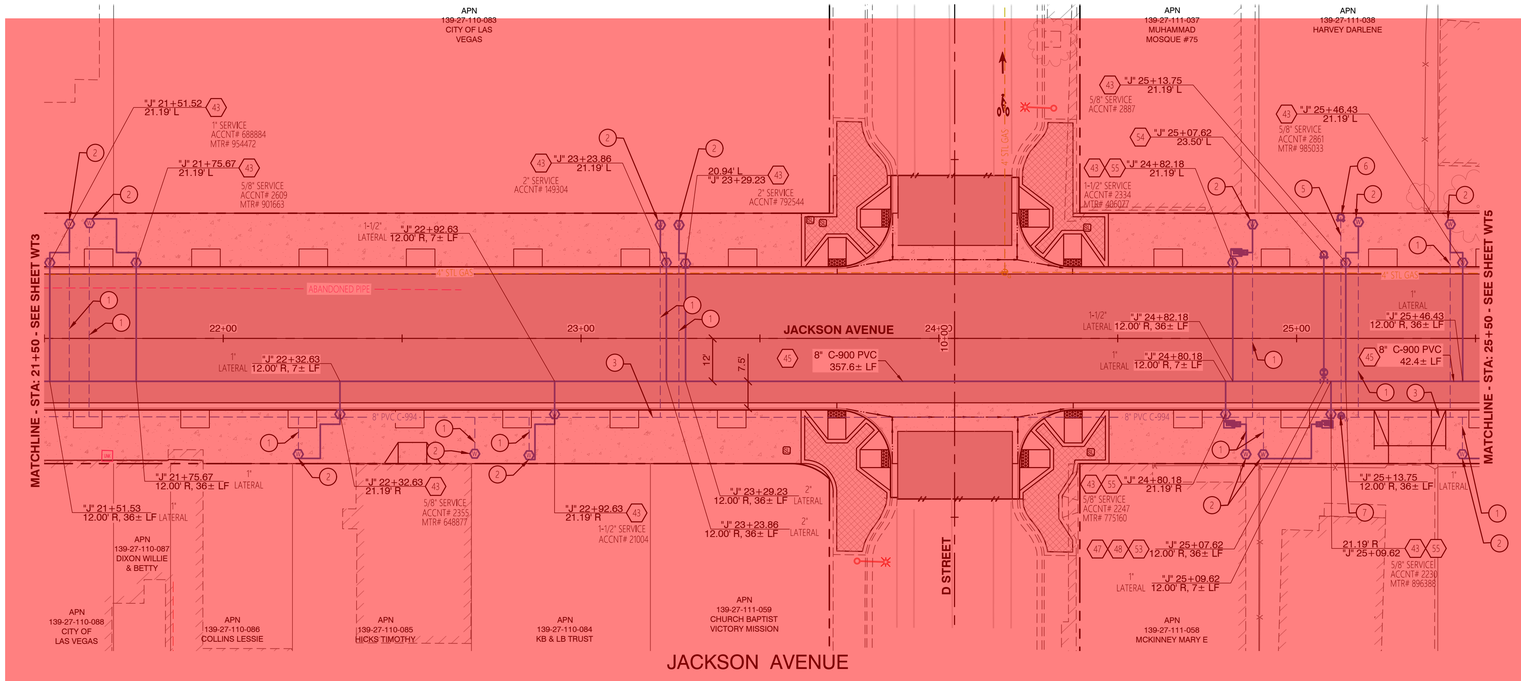
SHEET
WATER PLAN & PROFILE
STA: "J" 21+50 TO STA: "J" 25+50

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
WT4
31 OF 59
DRAWING NO.
107V8328

J:\JOBS\8944\CITY_LAS_VEGAS\JACKSON_AVENUE_IDA\DWG\MWA400\T-PRODUCTION\MWA400WT.DWG
12/7/22





Sheet updated 12/08/22

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
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43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	11 EA
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REMOVAL/ABANDONMENT NOTES:

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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

REVISED

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: WATER PLAN & PROFILE STA: "J" 21+50 TO STA: "J" 25+50

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

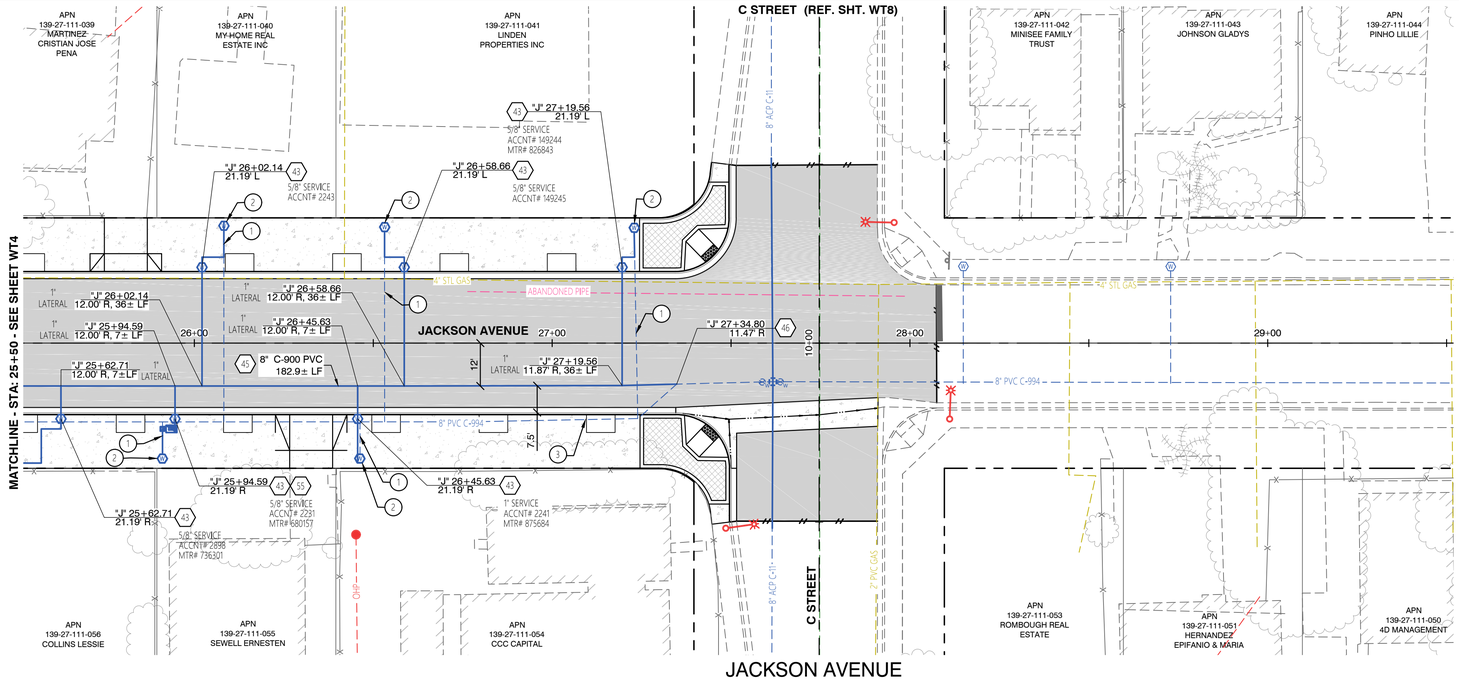
MWA # 400 | SUBMITTAL STAGE: FINAL

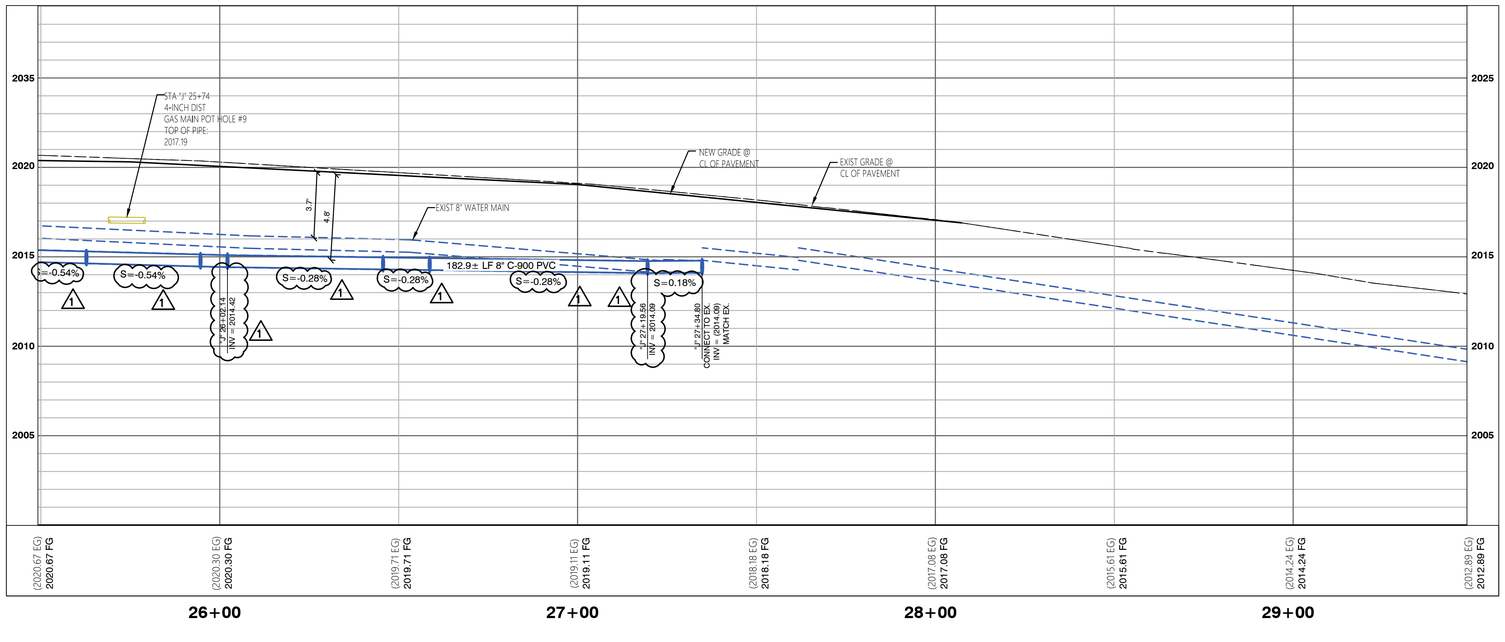
SHEET WT4

31 OF 59

DRAWING NO. 107V8328

2/3/22 J:\JOBS\81344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400Y PRODUCTION\MWA400WT.DWG





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

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53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	0 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	0 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	1 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
2. REMOVE WATER METER
3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
5. REMOVE FIRE HYDRANT LATERAL
6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE:

NO.	DATE	SHEET	WT5	WATER LINE INFORMATION REVISION
	12/7/22			

REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

NOT FOR CONSTRUCTION

TITLE
JACKSON AVENUE
H STREET TO C STREET

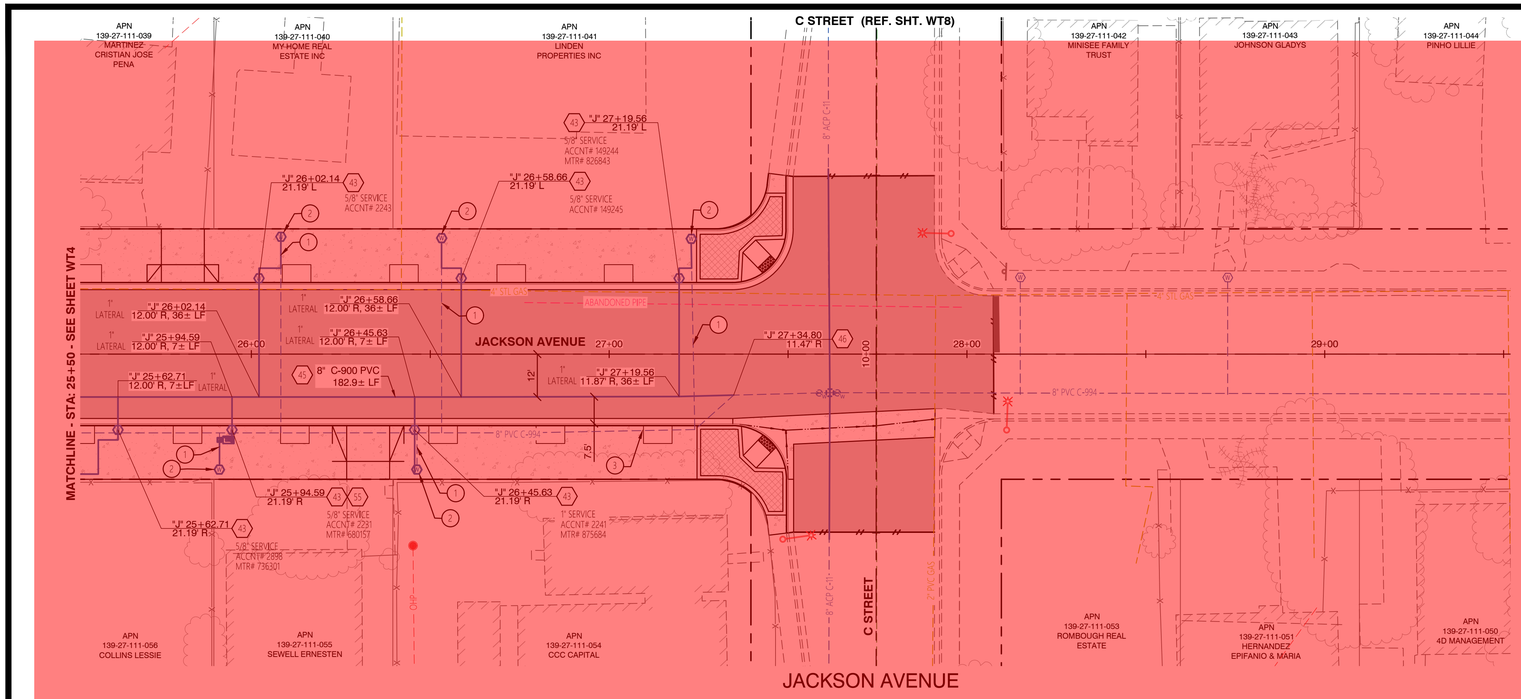
SHEET
WATER PLAN & PROFILE
STA: "J" 25+50 TO STA: 29+50

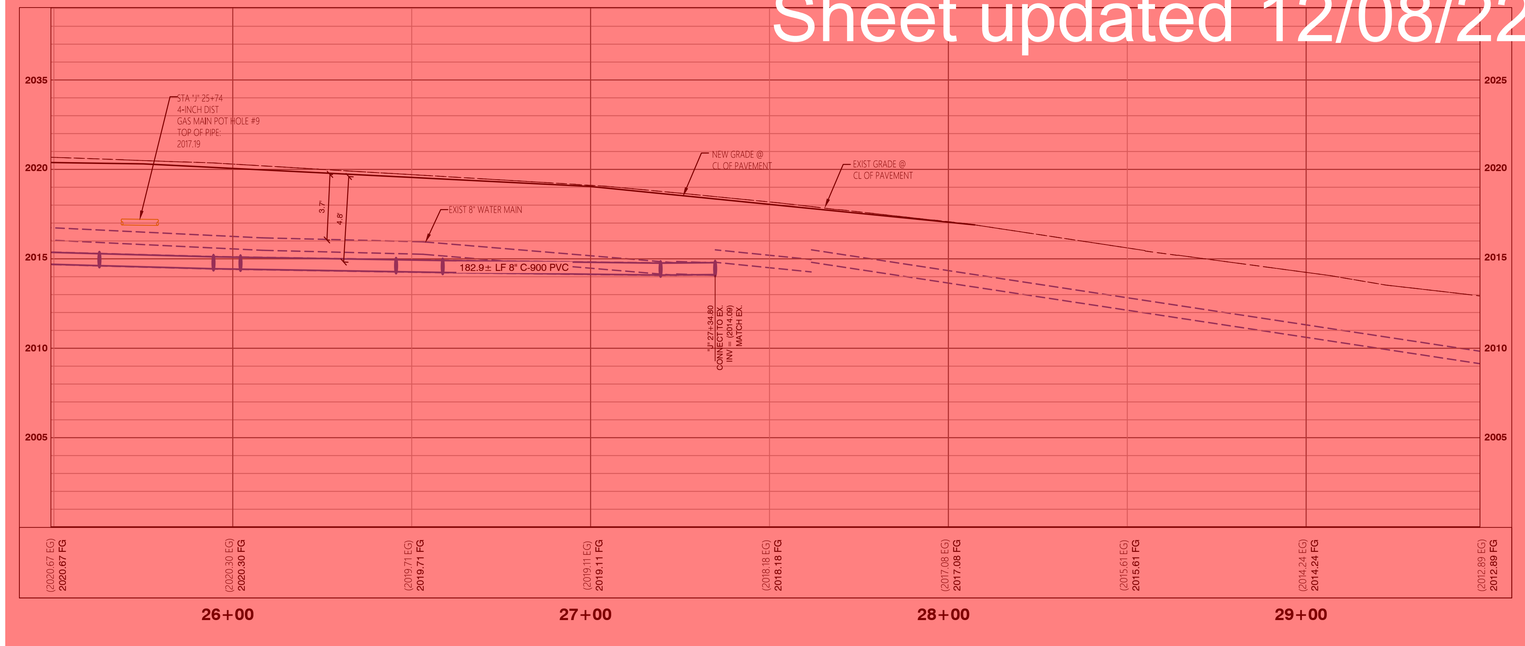
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	CHECKED BY: MAD
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL			

SHEET
WT5
32 OF 59
DRAWING NO.
107V8328

J:\JOBS\B444_CITY_LAS_VEGAS\JACKSON_AVENUE_C&H\LDW\DWG\MWA400\WT.PRODUCTION\MWA400WT.DWG
12/7/22





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

NORTH

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

UTILITY NOTE:

UTILITY LOCATION 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 EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THIER PROPER LOCATION.

GENERAL NOTES:

1. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
2. 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.
3. CONSTRUCT WATERLINE TRENCH SECTION AND BACKFILL PER UDACS PLATE 17.
4. CONTRACTOR SHALL MATCH ALL EXISTING INVERT ELEVATIONS AT POINT OF CONNECTION LOCATIONS.
5. SEE IRRIGATION PLANS FOR IRRIGATION SLEEVE INFORMATION.
6. EXISTING WATER MAIN AND SERVICES SHALL REMAIN ACTIVE UNTIL NEW WATER MAIN AND SERVICES ARE CONSTRUCTED AND CAN BE ACTIVATED. ALL TESTING AND CONNECTIONS TO EXISTING WATER MAINS SHALL BE IN COMPLIANCE WITH LVVWD UDACS.

LEGEND:

WATER CONSTRUCTION NOTES:

		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	6 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	182.9± LF
46	POINT OF CONNECTION	1 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	0 LF
48	INSTALL 6" GATE VALVE (PER UDACS PLATE 30 & 39)	0 EA
49	INSTALL 8" GATE VALVE (PER UDACS PLATE 30 & 39)	0 EA
50	INSTALL 6" 45° BEND (PER UDACS PLATE 31)	0 EA
51	INSTALL 8" 45° BEND (PER UDACS PLATE 31)	0 EA
52	INSTALL 8" CROSS (PER UDACS PLATE 31)	0 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	0 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	0 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	1 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
2. REMOVE WATER METER
3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
5. REMOVE FIRE HYDRANT LATERAL
6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

Bobbie Skrove | 19RJS1320 | 11/29/2021

SOUTHWEST GAS CORPORATION | SWG UID | DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS

NO.	DATE	SHEET

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

REVISED

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: WATER PLAN & PROFILE STA: "J" 25+50 TO STA: 29+50

PREPARED FOR: CITY OF LAS VEGAS

DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

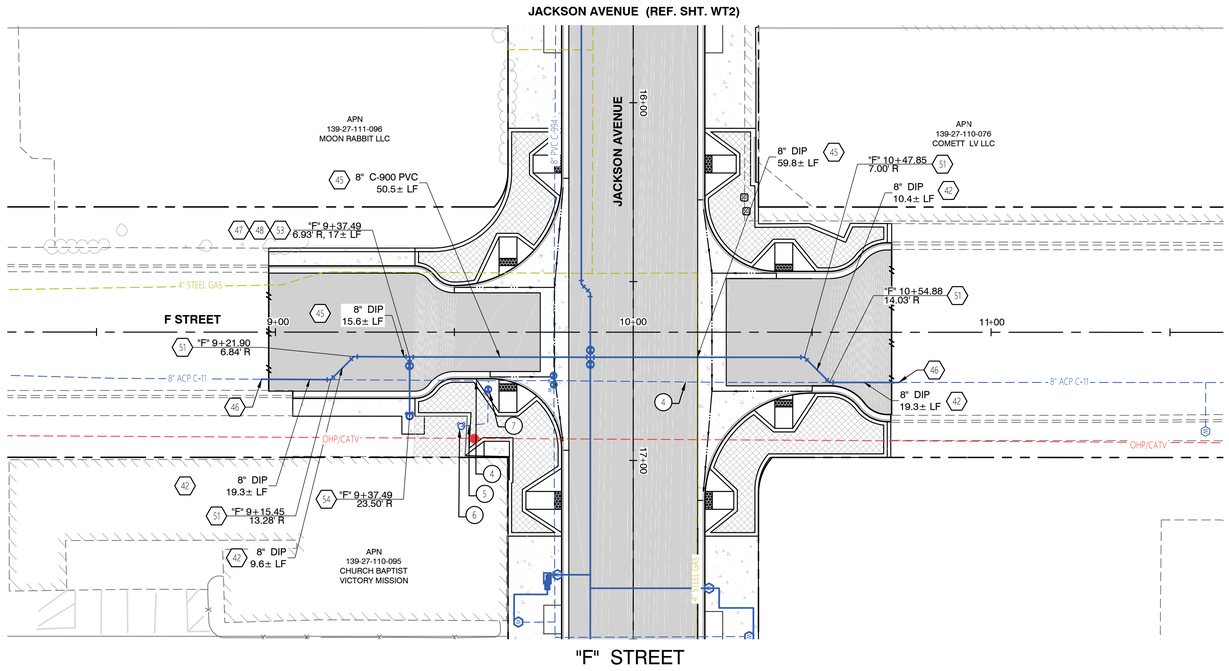
BID # 21.MWA400-C | MWA # 400 | SUBMITTAL STAGE: FINAL

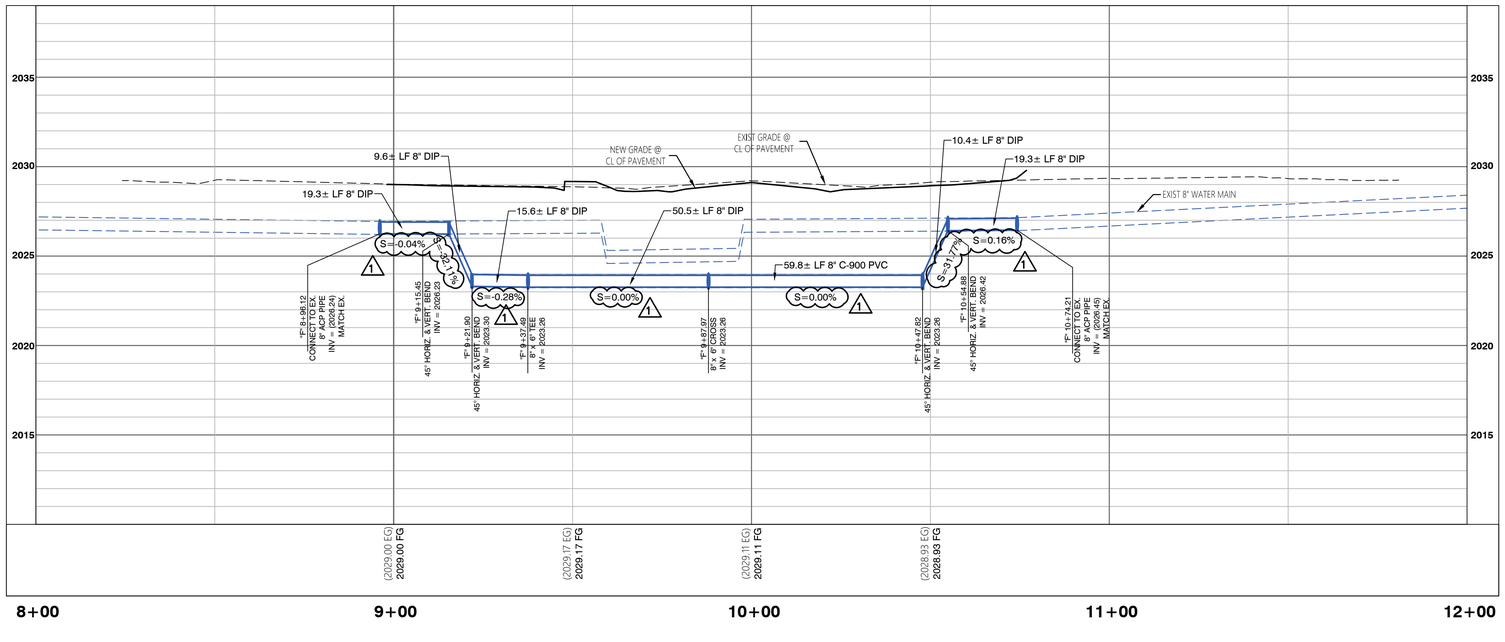
SHEET WT5

32 OF 59

DRAWING NO. 107V8328

2/23/22 I:\V8328\844_CITY_LAS_VEGAS\JACKSON_AVENUE_OAK\CIVIL\DWG\MWA400\7_PRODUCTION\MWA400WT.DWG





RESTRAINT JOINTS

INSTALL MECHANICAL RESTRAINT JOINTS FROM:
"F" 8+97.45 TO "F" 9+32.87
"F" 10+36.82 TO "F" 10+72.88

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

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GENERAL NOTES:

1. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
2. 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.
3. CONSTRUCT WATERLINE TRENCH SECTION AND BACKFILL PER UDACS PLATE 17.
4. CONTRACTOR SHALL MATCH ALL EXISTING INVERT ELEVATIONS AT POINT OF CONNECTION LOCATIONS.
5. SEE IRRIGATION PLANS FOR IRRIGATION SLEEVE INFORMATION.
6. EXISTING WATER MAIN AND SERVICES SHALL REMAIN ACTIVE UNTIL NEW WATER MAIN AND SERVICES ARE CONSTRUCTED AND CAN BE ACTIVATED. ALL TESTING AND CONNECTIONS TO EXISTING WATER MAINS SHALL BE IN COMPLIANCE WITH LVVWD UDACS.

LEGEND:

WATER CONSTRUCTION NOTES:

		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	58.6± LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	0 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	125.9± LF
46	POINT OF CONNECTION	2 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	17± LF
48	INSTALL 6" GATE VALVE (PER UDACS PLATE 30 & 39)	1 EA
49	INSTALL 8" GATE VALVE (PER UDACS PLATE 30 & 39)	0 EA
50	INSTALL 6" 45° BEND (PER UDACS PLATE 31)	0 EA
51	INSTALL 8" 45° BEND (PER UDACS PLATE 31)	4 EA
52	INSTALL 8" CROSS (PER UDACS PLATE 31)	0 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	1 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	1 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	0 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
2. REMOVE WATER METER
3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
5. REMOVE FIRE HYDRANT LATERAL
6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE:

NO.	DATE	SHEET	REVISIONS
1	12/7/22	WT6	WATER LINE INFORMATION REVISION

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

NOT FOR CONSTRUCTION

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

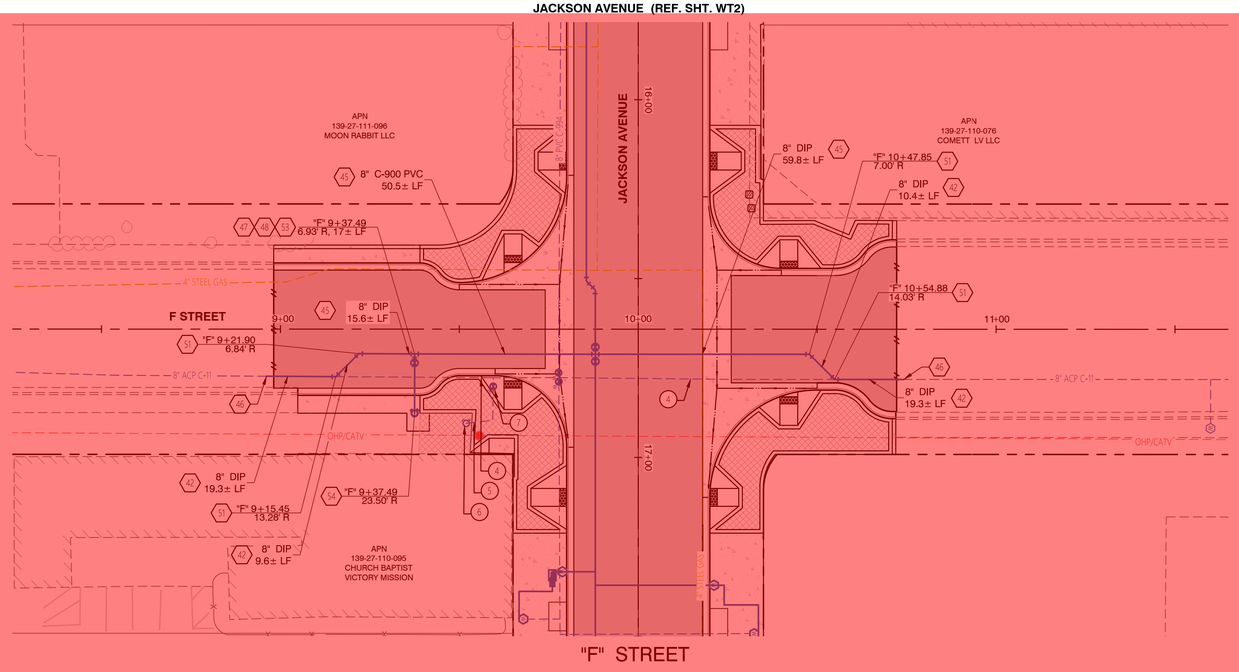
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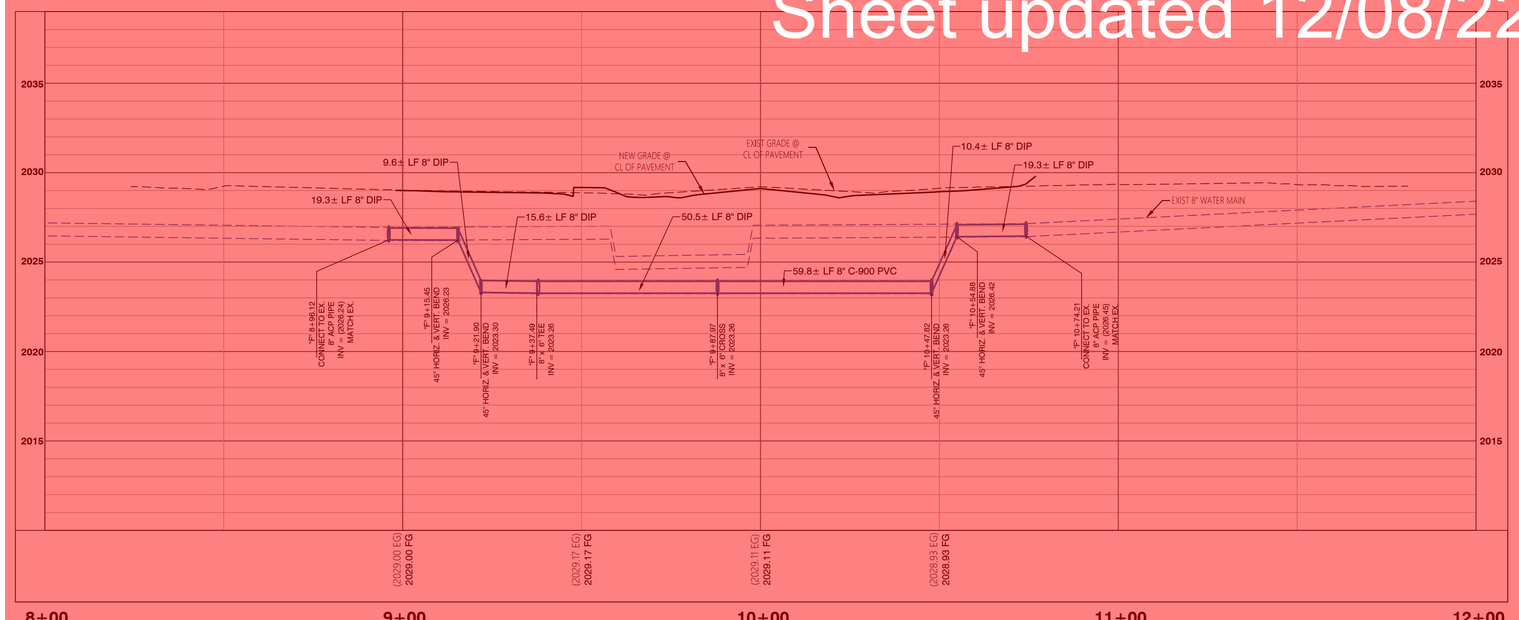
TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
WATER PLAN & PROFILE
STA: "F" 8+00 TP STA: "F" 12+00

SHEET WT6
33 OF 59
DRAWING NO.
107V8328

J:\JOBS\8944_CITY_LAS_VEGAS\JACKSON_AVENUE_CIM\CIVIL\DWG\MWA400\T_PRODUCTION\MWA400WT.DWG
12/7/22





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

RESTRAINT JOINTS

INSTALL MECHANICAL RESTRAINT JOINTS FROM:
"F" 8+97.45 TO "F" 9+32.87
"F" 10+36.82 TO "F" 10+72.88

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

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LEGEND:

WATER CONSTRUCTION NOTES:

		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	58.6± LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	0 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	125.9± LF
46	POINT OF CONNECTION	2 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	17± LF
48	INSTALL 6" GATE VALVE (PER UDACS PLATE 30 & 39)	1 EA
49	INSTALL 8" GATE VALVE (PER UDACS PLATE 30 & 39)	0 EA
50	INSTALL 6" 45° BEND (PER UDACS PLATE 31)	0 EA
51	INSTALL 8" 45° BEND (PER UDACS PLATE 31)	4 EA
52	INSTALL 8" CROSS (PER UDACS PLATE 31)	0 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	1 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	1 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	0 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
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3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
5. REMOVE FIRE HYDRANT LATERAL
6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 200
LAS VEGAS NV 89123

REVISED

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: WATER PLAN & PROFILE STA: "F" 8+00 TP STA: "F" 12+00

PREPARED FOR: CITY OF LAS VEGAS

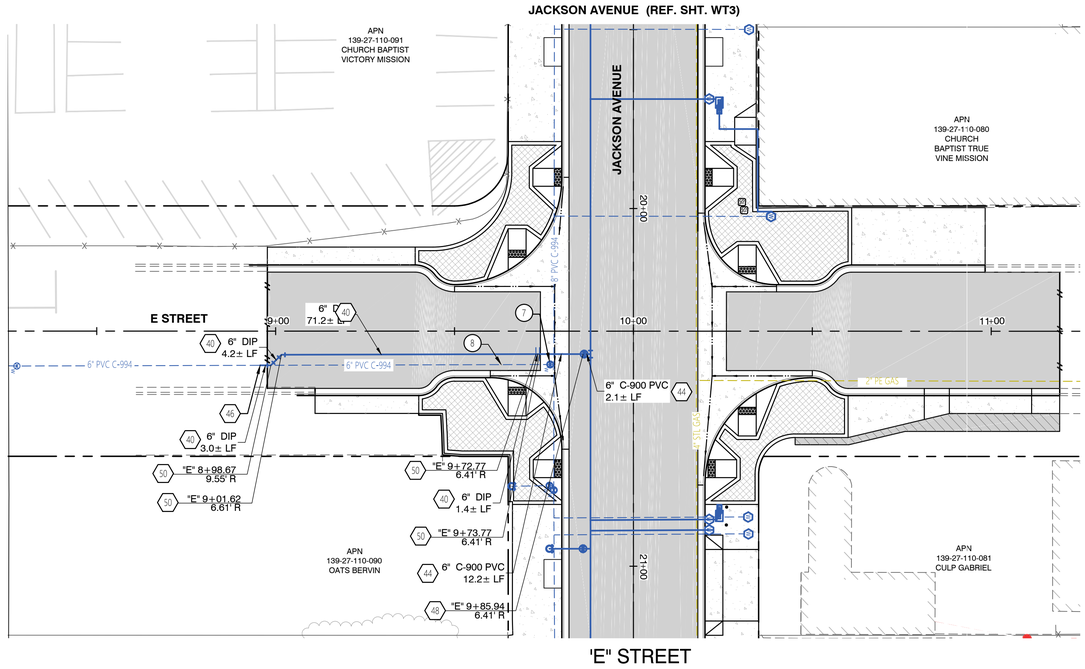
BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

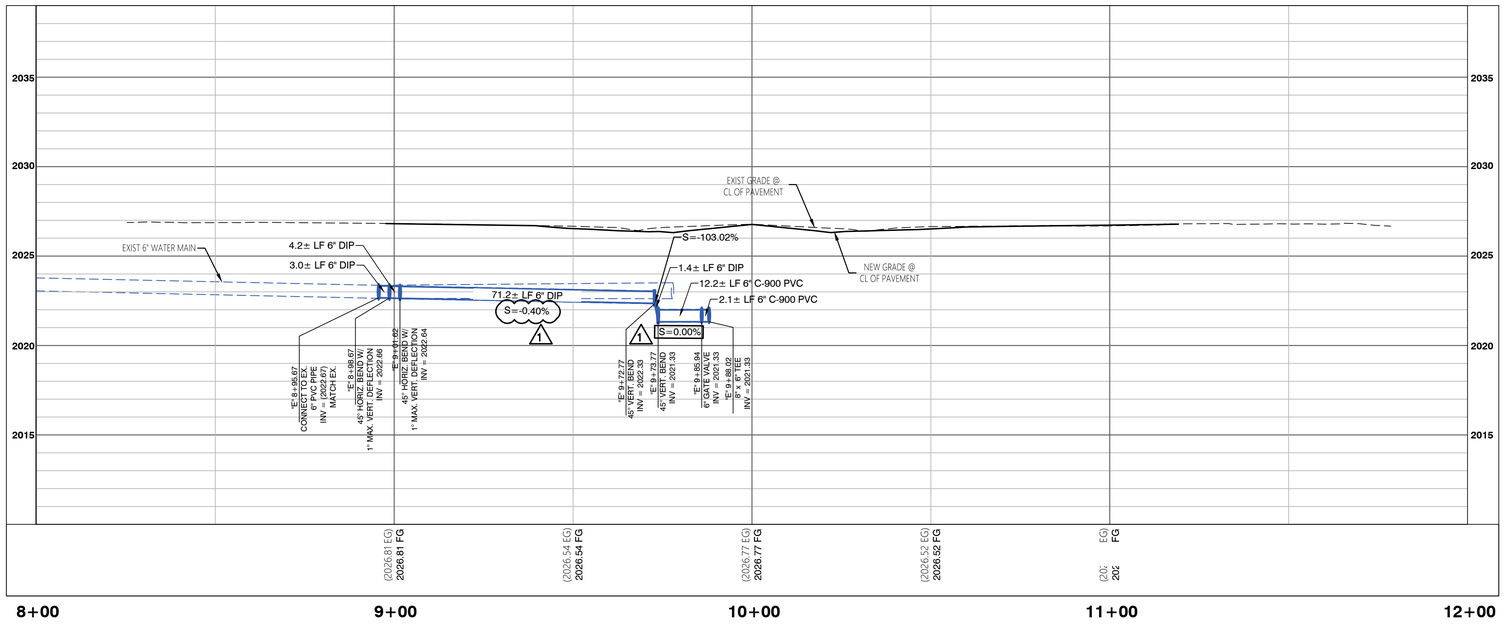
SHEET WT6

33 OF 59

DRAWING NO. 107V8328

2/2/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAL\CIVIL\DWG\MWA400.7 PRODUCTION\MWA400WT.DWG





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION ⚠		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

RESTRAINT JOINTS

INSTALL MECHANICAL RESTRAINT JOINTS FROM:
"E" 9+56.73 TO "E" 9+78.77

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

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LEGEND:

WATER CONSTRUCTION NOTES:		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	94.1± LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	0 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 EA
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
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REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
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6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: _____

NO.	DATE	SHEET	REVISIONS
1	12/7/22	WT7	WATER LINE INFORMATION REVISION

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.320.3600
SUITE 200
LAS VEGAS NV 89123

NOT FOR CONSTRUCTION

TITLE
JACKSON AVENUE
H STREET TO C STREET

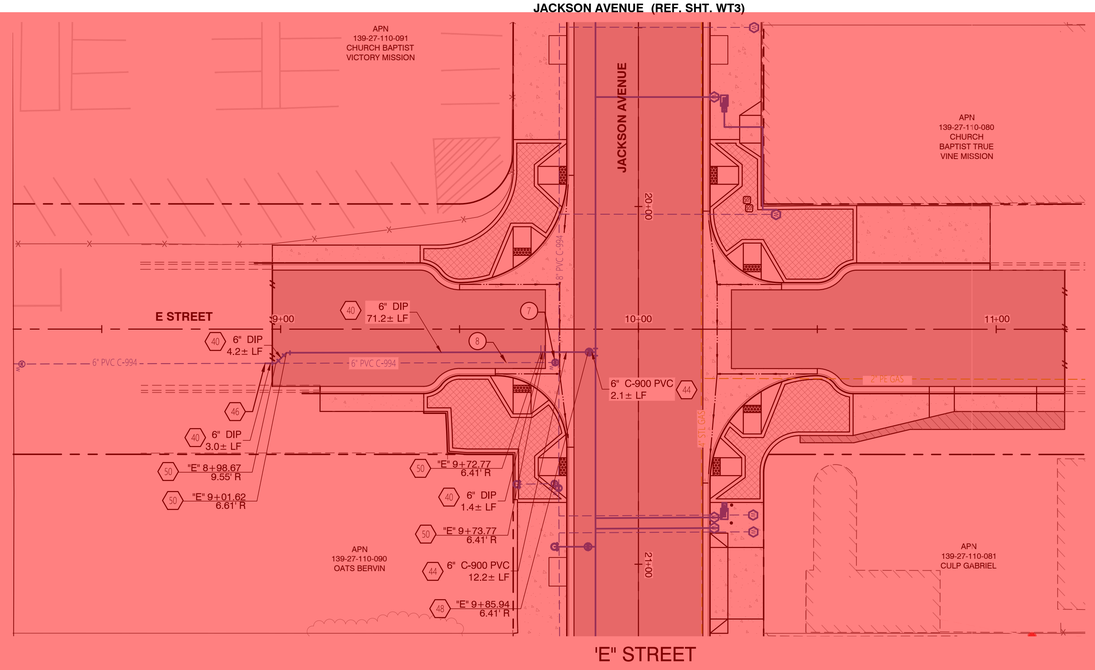
SHEET
WATER PLAN & PROFILE
STA: "E" 8+00 TO STA: "E" 12+00

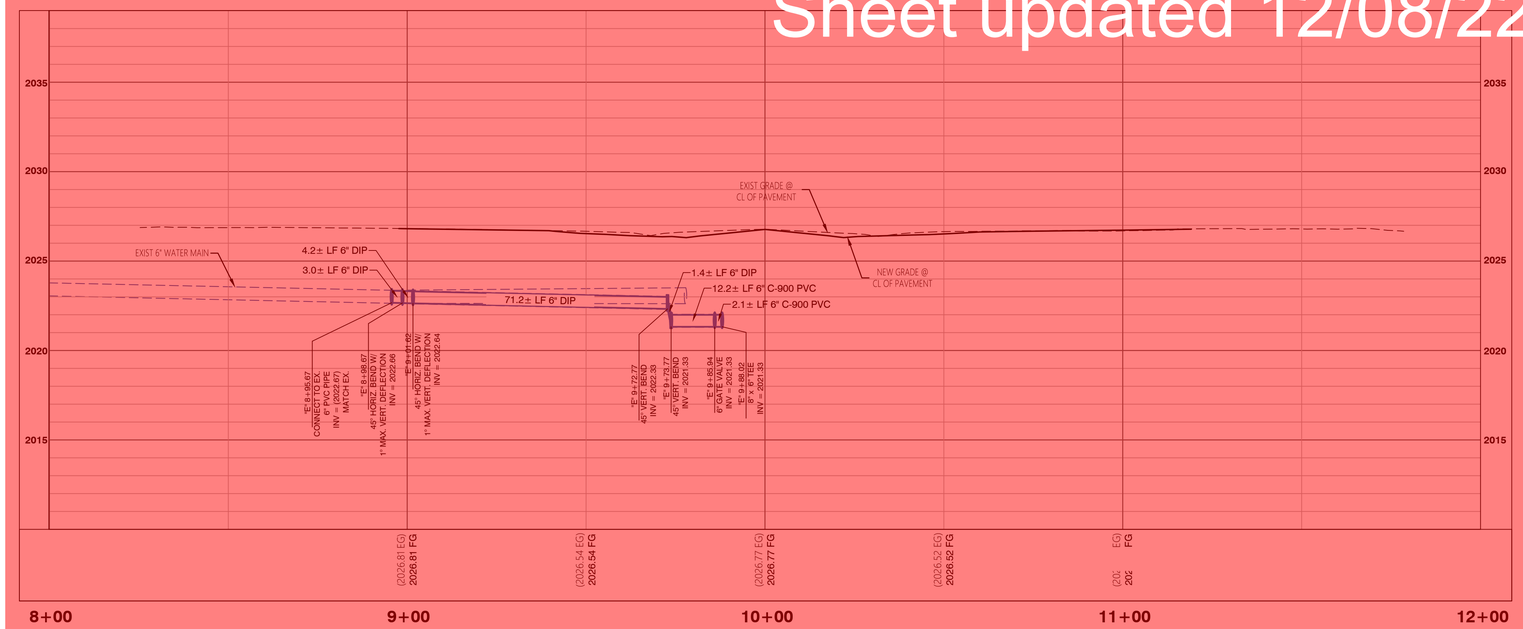
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	DRAWN BY: DAB	CHECKED BY: MAD
MWA # 400		SUBMITTAL STAGE: FINAL		

SHEET
WT7
34 OF 59
DRAWING NO.
107V8328

J:\JOBS\8944\CITY_LAS_VEGAS\JACKSON_AVENUE_C\M\LDWG\MWA400\T-PRODUCTION\MWA400WT.DWG
12/7/22





Sheet updated 12/08/22

NORTH

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

RESTRAINT JOINTS

INSTALL MECHANICAL RESTRAINT JOINTS FROM:
"E" 9+56.73 TO "E" 9+78.77

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

UTILITY NOTE:

UTILITY LOCATION 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 EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THIER PROPER LOCATION.

GENERAL NOTES:

1. DISPOSAL OF ASBESTOS CEMENT PIPE SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
2. 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.
3. CONSTRUCT WATERLINE TRENCH SECTION AND BACKFILL PER UDACS PLATE 17.
4. CONTRACTOR SHALL MATCH ALL EXISTING INVERT ELEVATIONS AT POINT OF CONNECTION LOCATIONS.
5. SEE IRRIGATION PLANS FOR IRRIGATION SLEEVE INFORMATION.
6. EXISTING WATER MAIN AND SERVICES SHALL REMAIN ACTIVE UNTIL NEW WATER MAIN AND SERVICES ARE CONSTRUCTED AND CAN BE ACTIVATED. ALL TESTING AND CONNECTIONS TO EXISTING WATER MAINS SHALL BE IN COMPLIANCE WITH LVVWD UDACS.

LEGEND:

WATER CONSTRUCTION NOTES:

		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	94.1± LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	0 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 EA
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
46	POINT OF CONNECTION	1 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	0 LF
48	INSTALL 6" GATE VALVE (PER UDACS PLATE 30 & 39)	1 EA
49	INSTALL 8" GATE VALVE (PER UDACS PLATE 30 & 39)	0 EA
50	INSTALL 6" 45° BEND (PER UDACS PLATE 31)	4 EA
51	INSTALL 8" 45° BEND (PER UDACS PLATE 31)	0 EA
52	INSTALL 8" CROSS (PER UDACS PLATE 31)	0 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	0 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	0 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	0 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

1. REMOVE WATER LATERAL
2. REMOVE WATER METER
3. ABANDON WATER MAIN
4. REMOVE ASBESTOS CEMENT WATER PIPE (SEE NOTE 1)
5. REMOVE FIRE HYDRANT LATERAL
6. RELOCATE FIRE HYDRANT
7. REMOVE WATER VALVE
8. REMOVE WATER MAIN

APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

REVISED

TITLE

JACKSON AVENUE
H STREET TO C STREET

SHEET

WATER PLAN & PROFILE
STA: "E" 8+00 TO STA: "E" 12+00

PREPARED FOR

CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK
MWA # 400		DRAWN BY: DAB
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD

SHEET

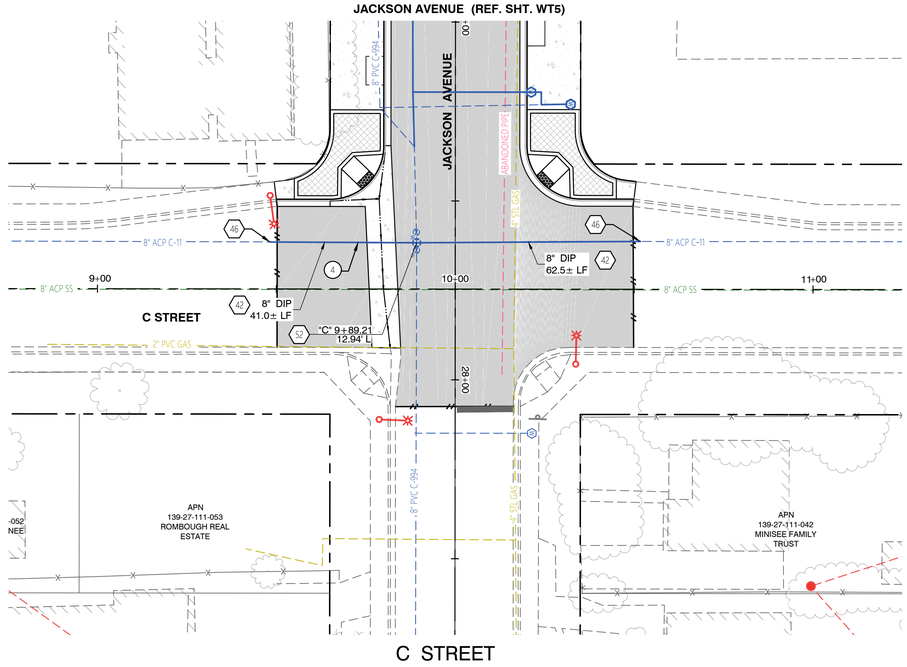
WT7

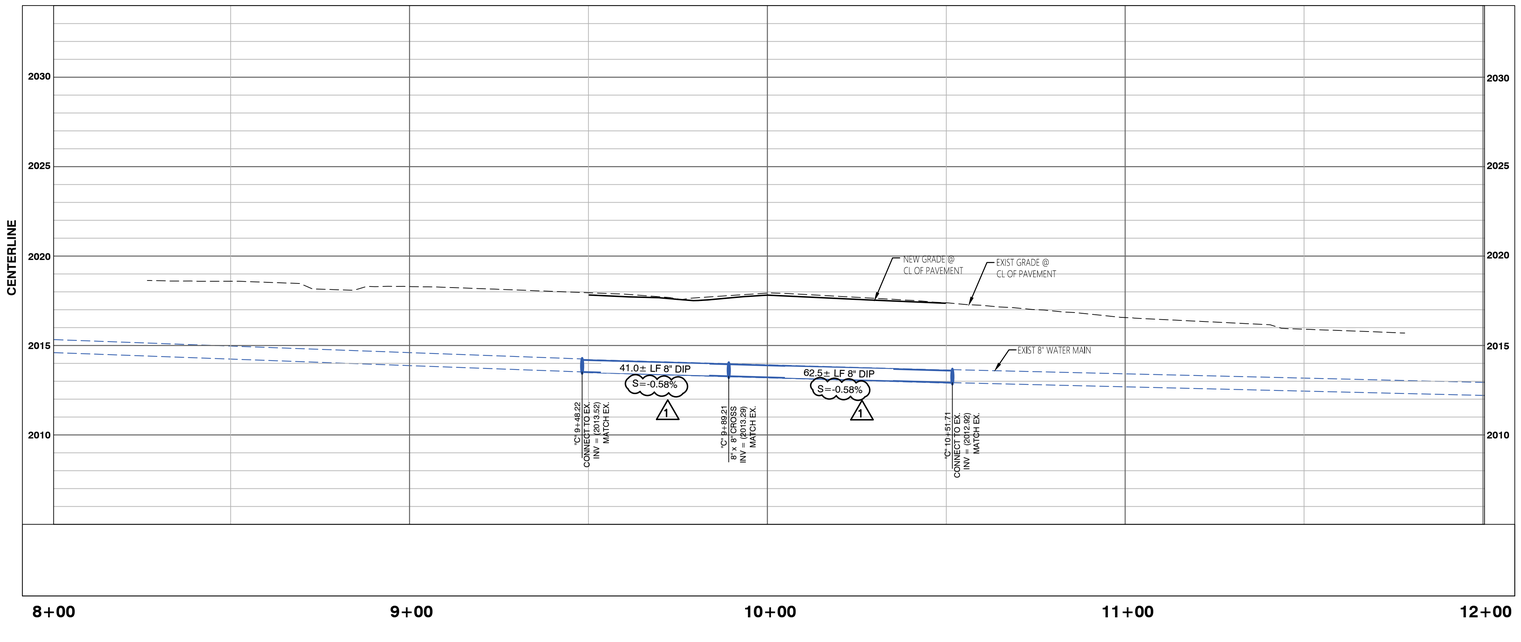
34 OF 59

DRAWING NO.

107V8328

2/3/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\ PRODUCTION\MWA400WT.DWG





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
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LEGEND:

WATER CONSTRUCTION NOTES:

		QUANTITY:
40	INSTALL 6" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	0 LF
41	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 3) (SIZE PER PLAN)	0 EA
42	INSTALL 8" POLYWRAPPED DIP WATER MAIN (PER UDACS PLATE 17)	103.5± LF
43	REPLACE AND RELOCATE WATER METER (PER UDACS PLATE 4) (SIZE PER PLAN)	0 EA
44	INSTALL 6" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
45	INSTALL 8" C-900 PVC WATER MAIN (PER UDACS PLATE 17)	0 LF
46	POINT OF CONNECTION	2 EA
47	INSTALL FIRE HYDRANT LATERAL (PER UDACS PLATE 17 & 40)	0 LF
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52	INSTALL 8" CROSS (PER UDACS PLATE 31)	1 EA
53	INSTALL 8" x 6" TEE (PER UDACS PLATE 31)	0 EA
54	RELOCATE FIRE HYDRANT ASSEMBLY (PER UDACS PLATE 40)	0 EA
55	INSTALL CURB STOP (PER DETAIL E/DT4) AND RPPA (PER UDACS PLATE 8) CONNECT TO EX. ONSITE WATER SERVICE	0 EA
56	INSTALL NEW 1" IRRIGATION METER WITH 1" RPPA (PER UDACS PLATE 8, 3 & DETAIL E/DT4)	0 EA

REMOVAL/ABANDONMENT NOTES:

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APPROVED FOR CONSTRUCTION

SOUTHWEST GAS CORPORATION DATE

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: _____

NO.	DATE	SHEET	REVISIONS
1	12/7/22	WT8	WATER LINE INFORMATION REVISION

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.2690

NOT FOR CONSTRUCTION

TITLE
JACKSON AVENUE
H STREET TO C STREET

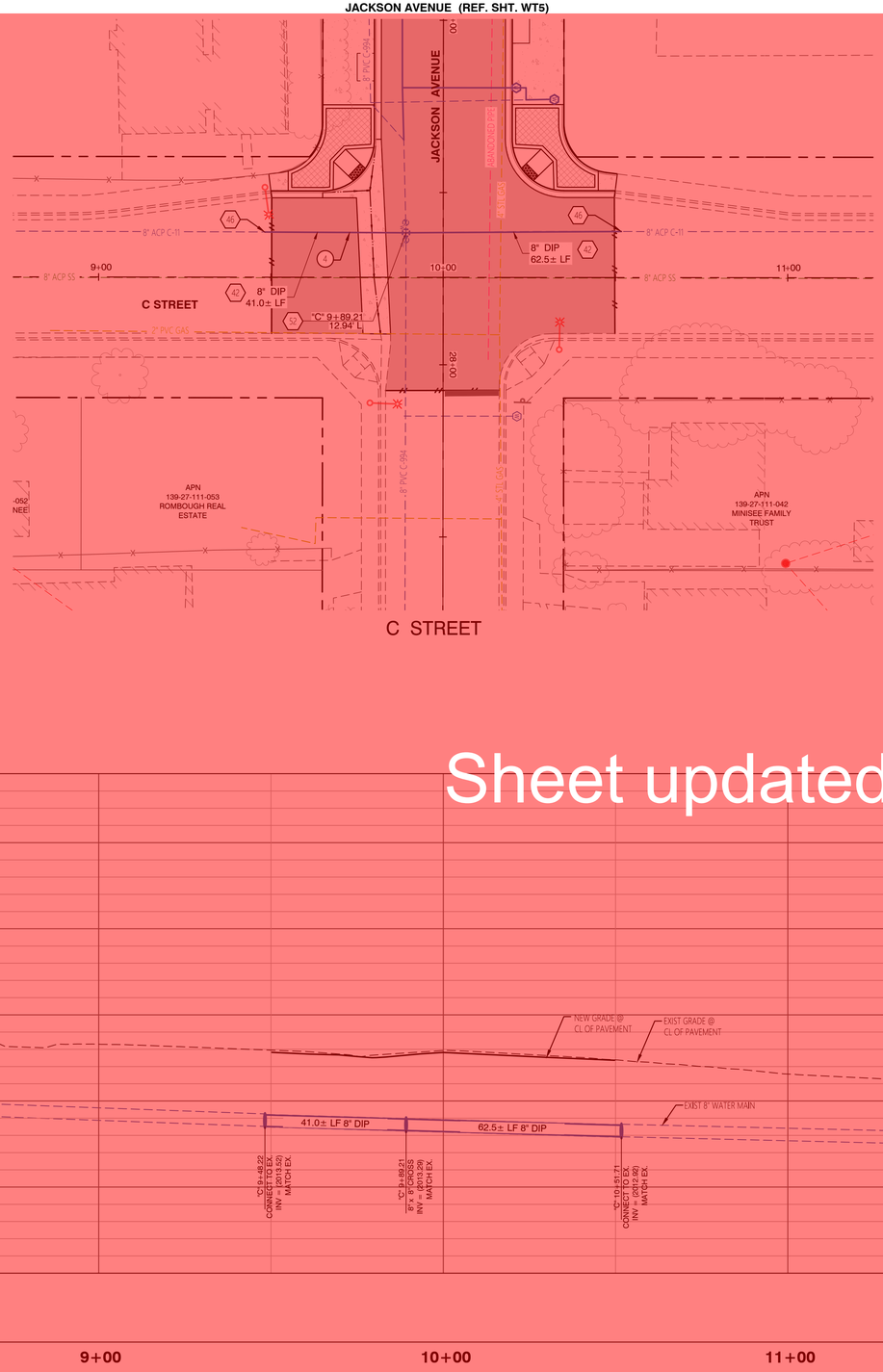
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STA: "C" 8+00 TO STA: "C" 12+00

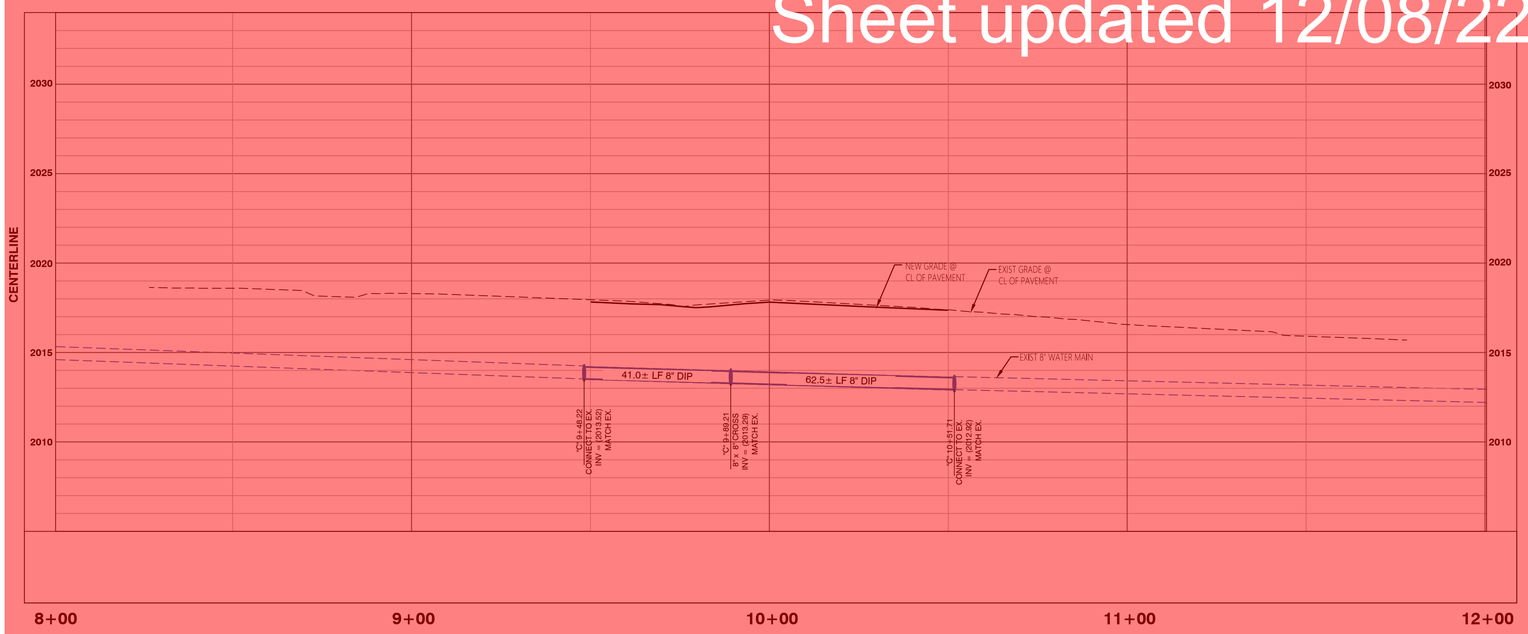
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	CHECKED BY: MAD
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL			

SHEET
WT8
35 OF 59
DRAWING NO.
107V8328

J:\JOBS\8944_CITY_LAS_VEGAS\JACKSON_AVENUE_C&H\CIVIL\DWG\MWA400\T-PRODUCTION\MWA400WT.DWG
12/7/22





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APPROVED FOR CONSTRUCTION

Bobbie Skrove	19RJS1320	11/29/2021
SOUTHWEST GAS CORPORATION	SWG UID	DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

REVISED

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: WATER PLAN & PROFILE STA: "C" 8+00 TO STA: "C" 12+00

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK
MWA # 400		DRAWN BY: DAB
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD

SHEET WT8

35 OF 59

DRAWING NO. 107V8328

J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\ - PRODUCTION\MWA400WT.DWG

2/23/22

LVVWD SERVICE POINTS AFFECTED BY THIS PROJECT

METER SERIAL NUMBER	SERVICE POINT	METER INSTALL DATE	METER SIZE (INCH)	REPLACE METER YES OR NO	BACKFLOW REQUIRED YES OR NO	UDACS PLATE	WATER USE	STREET ADDRESS	APN
NO METER IN BOX	2539	N/A	5/8	YES	NO	4	NON-RESIDENT DOMESTIC SERVICE	622 JACKSON AVE	13927110072
NO METER IN BOX	2524	N/A	1	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	621 JACKSON AVE	13927110099
0796316	2537	05/13/2013	3/4	YES	NO	3	SINGLE SERVICE RESIDENTIAL	615 JACKSON AVE	13927110098
0896390	2554	12/11/2013	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	709 JACKSON AVE	13927110103
0729076	2553	02/27/2012	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	707 JACKSON AVE	13927110102
0579629	21150	01/30/2013	1	YES	YES	4 & 8	MULTIPLE SERVICE RESIDENTIAL	708 JACKSON AVE	13927110070
0658765	2695	05/10/2010	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	706 JACKSON AVE	13927110071
0810440	29482	05/14/2013	5/8	YES	YES	4 & 8	NON-RESIDENT DOMESTIC SERVICE	620 JACKSON AVE	13927110072
0625643	90155	04/27/2009	3/4	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	612 JACKSON AVE	13927110073
NO METER IN BOX	149293	N/A	1	YES	YES	3 & 8	NON-RESIDENT DOMESTIC SERVICE	710 W MONROE AVE	13927110145
METER NOT FOUND	149285	N/A	5/8	N/A	NO	N/A	SINGLE SERVICE RESIDENTIAL	509 JACKSON AVE	13927110094
METER NOT FOUND	149284	N/A	5/8	N/A	NO	N/A	MULTIPLE SERVICE RESIDENTIAL	509 JACKSON AVE	13927110094
NO METER IN BOX	149282	N/A	3/4	YES	NO	3	SINGLE SERVICE RESIDENTIAL	508 JACKSON AVE	13927110078
0988476	2538	04/01/2015	5/8	YES	YES	4 & 8	NON-RESIDENT DOMESTIC SERVICE	1312 F ST	13927110095
1090748	149262	08/06/2020	1 1/2	NO	NO	4	NON-RESIDENT DOMESTIC SERVICE	1410 F ST	13927110077
0415437	149263	08/22/2013	1 1/2	YES	NO	4	NON-RESIDENT DOMESTIC SERVICE	510 JACKSON AVE	13927110077
1038374	2274	09/05/2018	1	YES	YES	4 & 8	MULTIPLE SERVICE RESIDENTIAL	507 JACKSON AVE	13927110092
0687959	149314	12/27/2011	5/8	YES	YES	4 & 8	NON-RESIDENT DOMESTIC SERVICE	500 JACKSON AVE	13927110080
NO METER IN BOX	149315	N/A	3/4	YES	NO	N/A	NON-RESIDENT DOMESTIC SERVICE	500 JACKSON AVE	13927110080
NO METER IN BOX	149273	N/A	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	417 JACKSON AVE	13927110089
NO METER IN BOX	21004	N/A	1 1/2	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	405 JACKSON AVE	13927110084
NO METER IN BOX	149304	N/A	2	YES	NO	4	NON-RESIDENT DOMESTIC SERVICE	400 JACKSON AVE	13927110083
NO METER IN BOX	792544	N/A	2	YES	NO	4	NON-RESIDENT DOMESTIC SERVICE	400 JACKSON AVE	13927110083
NO METER IN BOX	2887	N/A	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	316 JACKSON AVE	13927111038
NO METER IN BOX	149245	N/A	5/8	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	300 JACKSON AVE	13927111041
NO METER IN BOX	2243	N/A	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	308 JACKSON AVE	13927111040
0611567	149290	09/14/2009	5/8	YES	YES	4 & 8	MULTIPLE SERVICE RESIDENTIAL	1400 E ST	13927110081
0762227	149291	09/17/2012	3/4	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	1400 E ST	13927110081
0954472	688884	06/12/2014	1	YES	NO	3	SINGLE SERVICE RESIDENTIAL	418 JACKSON AVE	13927110082
0901663	2609	06/12/2014	5/8	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	418 JACKSON AVE	13927110082
0736301	2898	03/12/2012	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	315 JACKSON AVE	13927111056
0875684	2241	05/17/2018	1	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	1323 C ST	13927111054
0680157	2231	05/31/2011	5/8	YES	YES	4 & 8	MULTIPLE SERVICE RESIDENTIAL	313 JACKSON AVE	13927111055
0985033	2861	03/28/2017	5/8	YES	NO	3	SINGLE SERVICE RESIDENTIAL	310 JACKSON AVE	13927111039
0826843	149244	06/03/2013	5/8	YES	NO	4	MULTIPLE SERVICE RESIDENTIAL	304 JACKSON AVE	13927111041
0648877	2355	02/02/2010	5/8	YES	NO	4	NON-RESIDENT DOMESTIC SERVICE	407-409 JACKSON AVE	13927110085
0775160	2247	11/27/2012	5/8	YES	YES	4 & 8	NON-RESIDENT DOMESTIC SERVICE	1314-20 D ST	13927111058
0896388	2230	12/11/2013	5/8	YES	YES	4 & 8	NON-RESIDENT DOMESTIC SERVICE	319 JACKSON AVE	13927111057
1114106	2334	06/15/2021	1 1/2	YES	YES	4 & 8	NON-RESIDENT DOMESTIC SERVICE	1402 D ST	13927111037
NO METER IN BOX	2271	N/A	5/8	NO	NO	4	MULTIPLE SERVICE RESIDENTIAL	505 JACKSON AVE	13927110093

APPROVED FOR CONSTRUCTION

Bobbie Skrove 19RJS1320 11/29/2021

SOUTHWEST GAS CORPORATION SWG UID DATE

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS

NO.	DATE	SHEET

PREPARED BY
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2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

PROFESSIONAL ENGINEER STATE OF NEVADA
MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
WATER METER TABLE

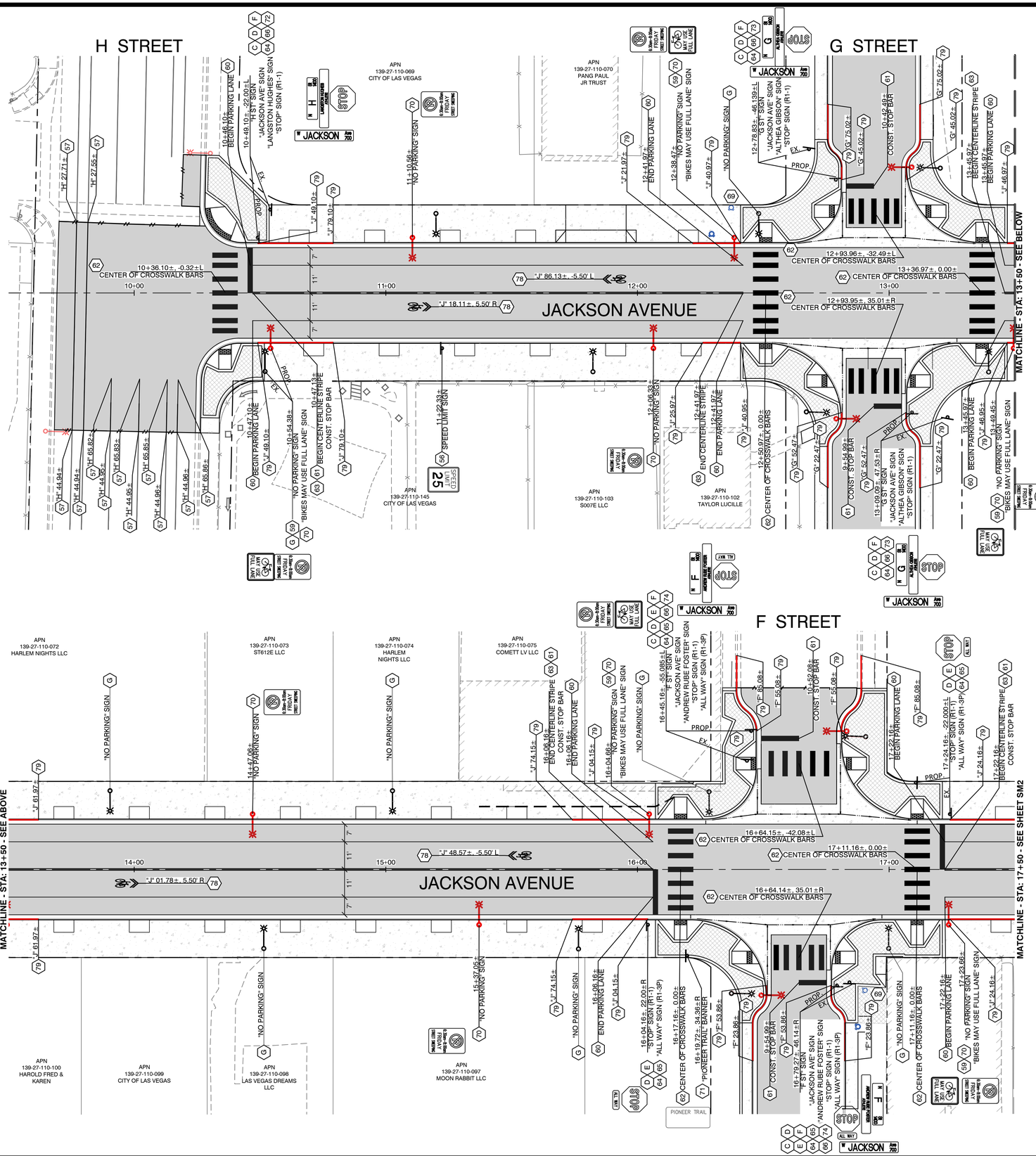
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK
MWA # 400		DRAWN BY: DAB
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD

SHEET
WT9
36 OF 59

DRAWING NO.
107V8328

J:\JOBS\1844_CITY_LAS_VEGAS\JACKSON_AVENUE_DN-0\LDWG\MWA400\ PRODUCTION\MWA400WT.DWG
2/23/22



SIGNAGE AND MARKING DEMO NOTES:

- (A) REMOVE EX. "PIONEER TRAIL" BANNER AND POLE.
- (B) REMOVE AND SALVAGE EX. "PIONEER TRAIL ARROW" SIGN. (TO BE REMOVED FROM EX. STREETLIGHT)
- (C) REMOVE AND SALVAGE EX. STREET SIGNS.
- (D) REMOVE AND SALVAGE EX. "STOP" SIGN AND POST.
- (E) REMOVE AND SALVAGE EX. "ALL WAY" SIGN.
- (F) REMOVE AND SALVAGE EX. DEDICATION SIGNS.
- (G) REMOVE AND SALVAGE EX. "NO PARKING" SIGN. (TO BE REMOVED FROM EX. STREETLIGHT)
- (H) REMOVE AND SALVAGE EX. "RIGHT LANE MUST TURN RIGHT" SIGN
- (I) REMOVE AND SALVAGE EX. INTERPRETIVE SIGN AND POST. PRESERVE FOR RE-INSTALLATION.

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

SIGNAGE AND MARKING NOTES:

- (56) INSTALL NEW "25 MPH" SPEED LIMIT SIGN (R2-1) WITH PERMANENT GROUND MOUNTED METAL POST PER USD 249.1
- (57) REPLACE 4" WIDE SOLID WHITE LINE (POLYUREA)
- (58) INSTALL NEW "BIKES MAY USE FULL LANE" (R4-11) WITH PERMANENT GROUND MOUNTED METAL POST PER USD 249.1
- (59) INSTALL NEW "BIKES MAY USE FULL LANE" (R4-11) SIGN ON NEW STREET LIGHT POLE
- (60) INSTALL PARKING LANE W/ 4" WIDE SOLID WHITE LINE (POLYUREA)
- (61) INSTALL (TYPE 2) 24 INCH SOLID WHITE LINE (PAVEMENT MARKING TAPE) STOP BAR PER USD 254
- (62) INSTALL (TYPE 2) 24 INCH SOLID WHITE LINE (PAVEMENT MARKING TAPE) CROSSWALK PER USD 254
- (63) INSTALL DOUBLE 4 INCH SOLID YELLOW LINE (LPM/POLYUREA)
- (64) INSTALL NEW "STOP" (R1-1) SIGN WITH PERMANENT GROUND MOUNTED METAL POST PER USD 249.1
- (65) INSTALL NEW "ALL-WAY" (R1-3P) SIGN PER USD 249.1
- (66) INSTALL NEW STREET SIGNS PER USD 249
- (67) INSTALL NEW "PIONEER TRAIL ARROW" SIGN WITH PERMANENT GROUND MOUNTED METAL POST PER USD 249.1
- (68) RELOCATE SALVAGED INTERPRETIVE SIGN AND POST PER DETAIL A/DT6
- (69) PAINT CURB RED AND INSTALL FIRE HYDRANT INDENTIFIER BLUE REFLECTIVE RMP PER CITY OF LAS VEGAS FIRE AND RESCUE NOTES 5 AND 8 ON SHEET GN1
- (70) INSTALL NEW "NO PARKING" SIGN ON NEW STREET LIGHT POLE
- (71) INSTALL SALVAGED "PIONEER TRAIL" BANNER ON NEW POLE PER DETAIL B/DT6
- (72) INSTALL NEW "HUGHES" DEDICATION SIGN PER DETAIL A/SM3
- (73) INSTALL NEW "GIBSON" DEDICATION SIGN PER DETAIL A/SM3
- (74) INSTALL NEW "FOSTER" DEDICATION SIGN PER DETAIL A/SM3
- (75) INSTALL NEW "EVERS" DEDICATION SIGN PER DETAIL A/SM3
- (76) INSTALL NEW "DANDRIDGE" DEDICATION SIGN PER DETAIL A/SM3
- (77) INSTALL NEW "CADORIA" DEDICATION SIGN PER DETAIL A/SM3
- (78) INSTALL SHARED LANE MARKING (TYPE 2) (PAVEMENT MARKING TAPE) PER DETAIL D/DT4)
- (79) NON-REFLECTIVE CURB PAINT (RED)

SIGNS (TO BE INSTALLED)

SIGN DESCRIPTION	TYPE	SIZE	SM1	SM2	SM3	TOTALS	COMMENTS
PIONEER TRAIL / LEFT ARROW				1		1	
STREET NAME SIGN	D3-1	VARIES	5	4	2	11	TWO EACH, BACK TO BACK / MATCH EX.
"STOP"	R1-1	30"x30"	7	6	1	14	
"ALL WAY"	R1-3P	18"x6"	4	4	1	9	
"NO PARKING - 6:30AM-8:00AM- STREET SWEEPING"			9	8	2	19	
"LANGSTON HUGHES - ATHLETE"			1			1	TWO EACH, BACK TO BACK / MATCH EX.
"ALTHEA GIBSON - ATHLETE"			2			2	TWO EACH, BACK TO BACK / MATCH EX.
"ANDREW RUBE FOSTER - ATHLETE"			2			2	TWO EACH, BACK TO BACK / MATCH EX.
"MEDGAR EVERS - CIVIL RIGHTS LEADER"				2		2	TWO EACH, BACK TO BACK / MATCH EX.
"DOROTHY DANDRIDGE - ENTERTAINER"				2		2	TWO EACH, BACK TO BACK / MATCH EX.
"SHERIAN GRACE CADORIA - ARMED FORCES"					1	1	TWO EACH, BACK TO BACK/ MATCH EX.
INTERPRETIVE SIGN				1		1	
PIONEER TRAIL BANNER AND POLE			1			1	
BIKES MAY USE FULL LANE	R4-11	30"x30"	5	4	1	10	
SPEED LIMIT	R201	24"x30"	1		1	2	

SIGNS (TO BE REMOVED & SALVAGED)

SIGN DESCRIPTION	TYPE	SIZE	SM1	SM2	SM3	TOTALS	COMMENTS
PIONEER TRAIL / LEFT ARROW				1		1	
STREET NAME SIGN	D3-1	VARIES	5	4	2	11	TWO EACH, BACK TO BACK
"STOP"	R1-1	30"x30"	7	6	1	14	
"ALL WAY"	R1-3P	18"x6"	4	4	1	9	
"NO PARKING - 6:30AM-8:00AM- STREET SWEEPING"			8	9	3	20	
"LANGSTON HUGHES - ATHLETE"			1			1	TWO EACH, BACK TO BACK
"ALTHEA GIBSON - ATHLETE"			2			2	TWO EACH, BACK TO BACK
"ANDREW RUBE FOSTER - ATHLETE"			2			2	TWO EACH, BACK TO BACK
"MEDGAR EVERS - CIVIL RIGHTS LEADER"				2		2	TWO EACH, BACK TO BACK
"DOROTHY DANDRIDGE - ENTERTAINER"				2		2	TWO EACH, BACK TO BACK
"SHERIAN GRACE CADORIA - ARMED FORCES"					1	1	TWO EACH, BACK TO BACK
INTERPRETIVE SIGN				1		1	
PIONEER TRAIL BANNER AND POLE			1			1	

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

SYMBOL & GRAPHICS LEGEND

FOR SYMBOL LEGEND AND GRAPHICS LEGEND SEE GENERAL NOTES SHEET GN-2

REVISIONS | NO. | DATE | SHEET

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

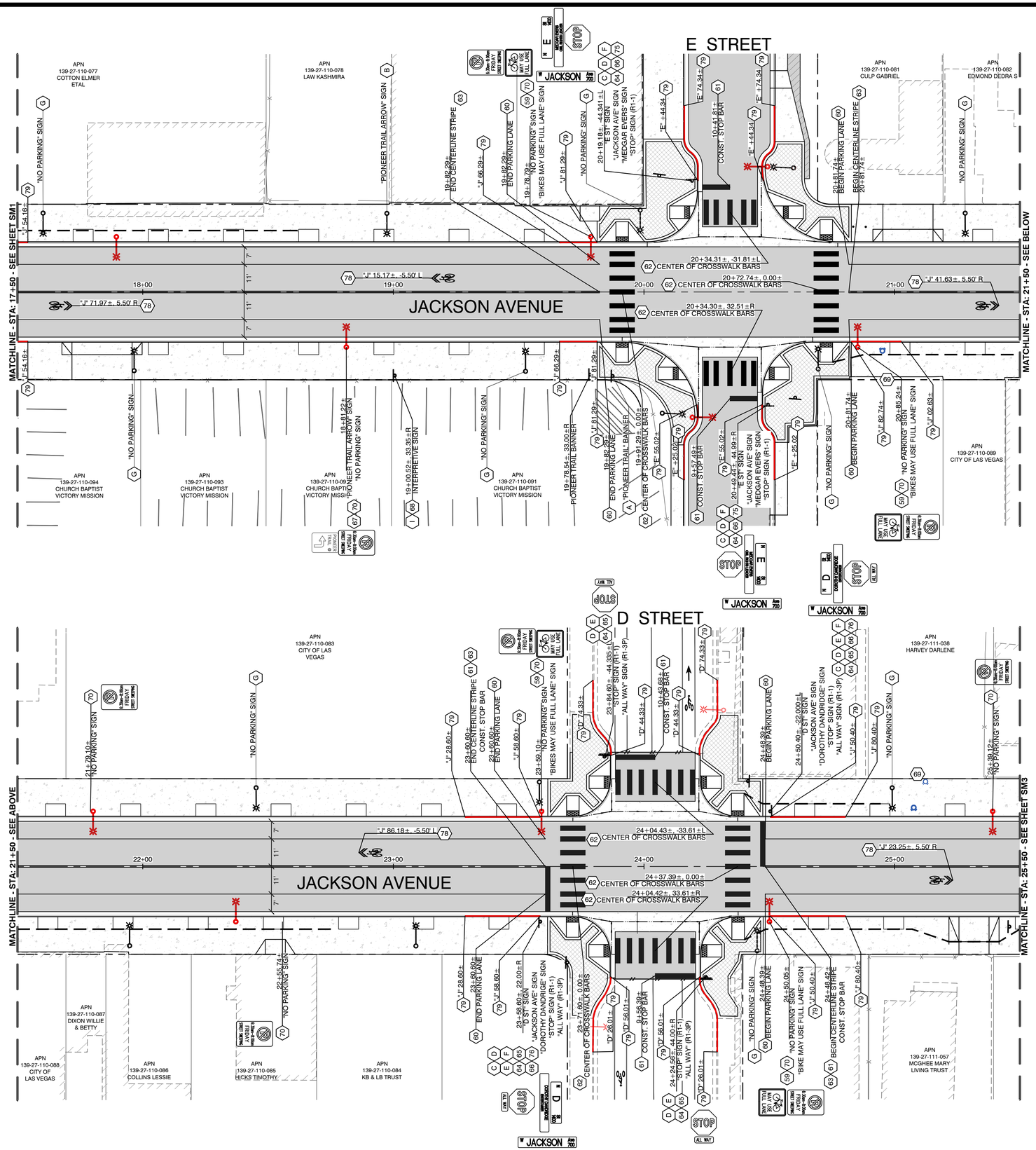
PROFESSIONAL ENGINEER STATE OF NEVADA MICHAEL A DAVIDSON EXP: 12/31/22 CIVIL 19870
2/23/2022

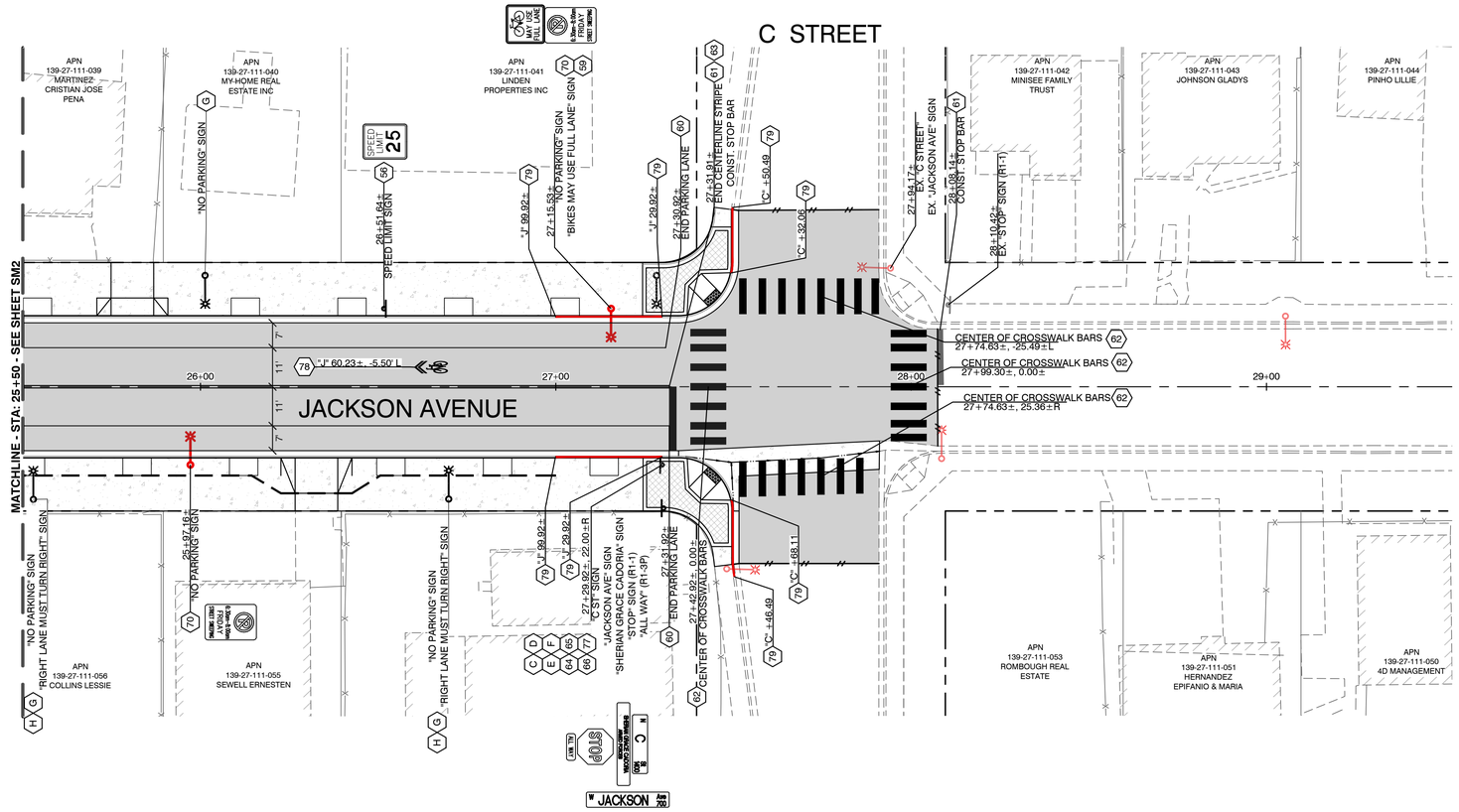
TITLE
JACKSON AVENUE
H STREET TO C STREET
SIGNAGE & MARKING PLAN
ST: "J" 9+50 TO STA: "J" 17+50

PREPARED FOR
CITY OF LAS VEGAS
BID # 21.MWA400-C | DATE: FEB-2022 | SHEET
MWA # 400 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD
SUBMITTAL STAGE: FINAL

SHEET
SM1
37 OF 59
DRAWING NO.
107V8328

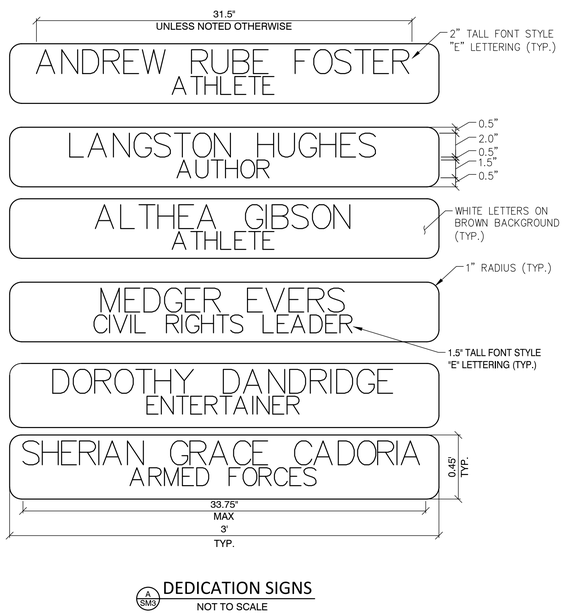
2/3/22 J:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN_CAN\LDW\MWA400\7_PRODUCTION\MWA400SM.DWG


E STREET
D STREET
JACKSON AVENUE
MATCHLINE - STA: 17+50 - SEE SHEET SM1
MATCHLINE - STA: 21+50 - SEE BELOW
MATCHLINE - STA: 21+50 - SEE ABOVE
MATCHLINE - STA: 25+50 - SEE SHEET SM3
APN 139-27-110-077 COTTON ELMER ETAL
APN 139-27-110-078 LAW KASHMIRA
APN 139-27-110-081 CULP GABRIEL
APN 139-27-110-082 EDMOND DEDRA S
APN 139-27-110-094 CHURCH BAPTIST VICTORY MISSION
APN 139-27-110-093 CHURCH BAPTIST VICTORY MISSION
APN 139-27-110-092 CHURCH BAPTIST VICTORY MISSION
APN 139-27-110-091 CHURCH BAPTIST VICTORY MISSION
APN 139-27-110-089 CITY OF LAS VEGAS
APN 139-27-110-083 CITY OF LAS VEGAS
APN 139-27-111-038 HARVEY DARLENE
APN 139-27-110-087 DIXON WILLIE & BETTY
APN 139-27-110-088 CITY OF LAS VEGAS
APN 139-27-110-086 COLLINS LESSIE
APN 139-27-110-085 HICKS TIMOTHY
APN 139-27-110-084 KB & LB TRUST
APN 139-27-111-057 MCGHEE MARY LIVING TRUST
"NO PARKING" SIGN
"PIONEER TRAIL ARROW" SIGN
"PIONEER TRAIL" BANNER
"J" 54.16±
"J" 71.97±, 5.50' R
"J" 15.17±, -5.50' L
"J" 41.63±, 5.50' R
"J" 66.29±
"J" 81.29±
"J" 74.34±
"J" 44.34±
"J" 82.74±
"J" 85.24±
"J" 102.83±
"J" 28.60±
"J" 58.60±
"J" 74.33±
"J" 44.33±
"J" 80.40±
"J" 50.40±
"J" 86.18±, -5.50' L
"J" 23.25±, 5.50' R
"J" 55.02±
"J" 25.02±
"J" 67.48±
"J" 56.01±
"J" 26.01±
"J" 49.99±
"J" 71.60±
"J" 48.33±
"J" 60.40±
"J" 50.40±
"J" 22.57±
"J" 79.10±
"J" 58.89±
"J" 81.74±
"J" 50.40±
"J" 80.40±
"J" 25.40±
"J" 38.12±
18+00
19+00
20+00
21+00
22+00
23+00
24+00
25+00
11'
7'
20+34.31±, -31.81±L
CENTER OF CROSSWALK BARS
20+72.74±, 0.00±
CENTER OF CROSSWALK BARS
20+34.30±, 32.51±R
CENTER OF CROSSWALK BARS
24+04.43±, -33.61±L
CENTER OF CROSSWALK BARS
24+37.39±, 0.00±
CENTER OF CROSSWALK BARS
24+04.42±, 33.61±R
CENTER OF CROSSWALK BARS
CONST. STOP BAR
BEGIN PARKING LANE
END PARKING LANE
BEGIN CENTERLINE STRIPE
END CENTERLINE STRIPE
CENTER OF CROSSWALK BARS
"JACKSON AVE" SIGN
"MEDGAR EVERS" SIGN
"DOROTHY DANDRIDGE" SIGN
"E ST" SIGN
"D ST" SIGN
"STOP" SIGN (R1-1)
"ALL WAY" SIGN (R1-3P)
"BIKES MAY USE FULL LANE" SIGN
"NO PARKING" SIGN
"NO PARKING" SIGN
"NO PARKING" SIGN
INTERPRETIVE SIGN
"NO PARKING" SIGN
"NO PARKING" SIGN
"NO PARKING"



SIGNAGE AND MARKING DEMO NOTES:

- (A) REMOVE EX. "PIONEER TRAIL" BANNER AND POLE.
- (B) REMOVE AND SALVAGE EX. "PIONEER TRAIL ARROW" SIGN. (TO BE REMOVED FROM EX. STREETLIGHT)
- (C) REMOVE AND SALVAGE EX. STREET SIGNS.
- (D) REMOVE AND SALVAGE EX. "STOP" SIGN AND POST.
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- (I) REMOVE AND SALVAGE EX. INTERPRETIVE SIGN AND POST. PRESERVE FOR RE-INSTALLATION.



A SM3 DEDICATION SIGNS
NOT TO SCALE

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

SYMBOL & GRAPHICS LEGEND

FOR SYMBOL LEGEND AND GRAPHICS LEGEND SEE GENERAL NOTES SHEET GN-2

SIGNAGE AND MARKING NOTES:

- (56) INSTALL NEW "25 MPH" SPEED LIMIT SIGN (R2-1) WITH PERMANENT GROUND MOUNTED METAL POST PER USD 249.1
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- (58) INSTALL NEW "BIKES MAY USE FULL LANE" (R4-11) WITH PERMANENT GROUND MOUNTED METAL POST PER USD 249.1
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- (69) PAINT CURB RED AND INSTALL FIRE HYDRANT INDENTIFIER BLUE REFLECTIVE RMP PER CITY OF LAS VEGAS FIRE AND RESCUE NOTES 5 AND 8 ON SHEET GN1
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- (72) INSTALL NEW "HUGHES" DEDICATION SIGN PER DETAIL A/SM3
- (73) INSTALL NEW "GIBSON" DEDICATION SIGN PER DETAIL A/SM3
- (74) INSTALL NEW "FOSTER" DEDICATION SIGN PER DETAIL A/SM3
- (75) INSTALL NEW "EVERS" DEDICATION SIGN PER DETAIL A/SM3
- (76) INSTALL NEW "DANDRIDGE" DEDICATION SIGN PER DETAIL A/SM3
- (77) INSTALL NEW "CADORIA" DEDICATION SIGN PER DETAIL A/SM3
- (78) INSTALL SHARED LANE MARKING (TYPE 2) (PAVEMENT MARKING TAPE) PER DETAIL D/DT4)
- (79) NON-REFLECTIVE CURB PAINT (RED)

REVISIONS | NO. | DATE | SHEET

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.260.3690

STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — NO. 19870 — PROFESSIONAL ENGINEER
2/23/2022

PREPARED FOR
CITY OF LAS VEGAS

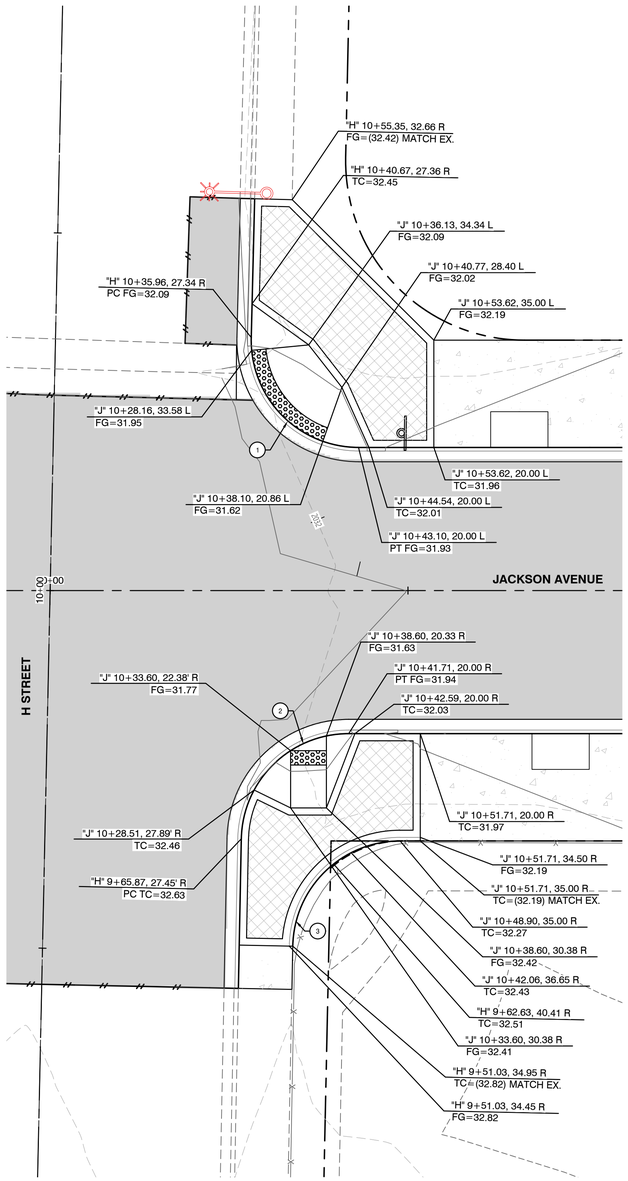
BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

TITLE
JACKSON AVENUE
H STREET TO C STREET

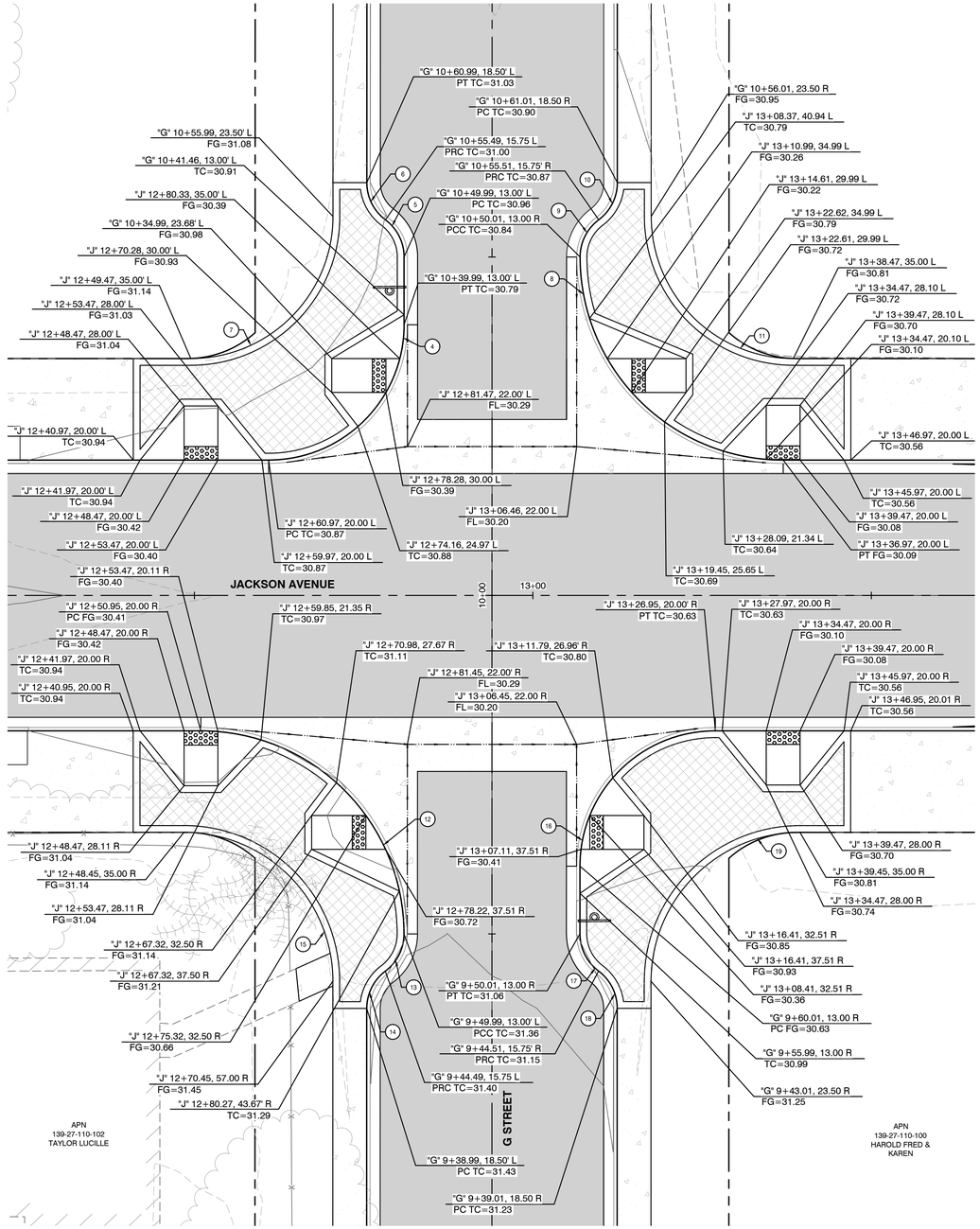
SHEET
SIGNAGE & MARKING PLAN
STA: "J" 25+50 TO STA: "J" 29+50

SHEET
SM3
39 OF 59
DRAWING NO.
107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\7_PRODUCTION\MWA400SM3.DWG



A DT1 SIDEWALK RAMP DETAILED INFORMATION - H STREET



B DT1 SIDEWALK RAMP DETAILED INFORMATION - G STREET

NORTH

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1" = 10'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
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	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GENERAL NOTES:

1. CONTRACTOR SHALL MATCH EXISTING GRADE AT ALL BUILDING ENTRANCES.

CURVE DATA TABLE

CURVE	RADIUS	RADIUS CENTER POINT STATION	COMMENT
1	15.00'	"J" 10+43.10, 35.00' L	BACK OF CURB
2	15.00'	"J" 10+41.71, 35.00' R	BACK OF CURB
3	15.00'	"J" 10+48.90, 50.00' R	BACK OF SIDEWALK
4	20.00'	"J" 12+60.97, 40.00' L	BACK OF CURB
5	6.88'	"G" 10+49.99, 19.87' L	BACK OF CURB
6	6.88'	"G" 10+60.99, 11.63' L	BACK OF CURB
7	21.00'	"J" 12+49.47, 56.00' L	BACK OF SIDEWALK
8	30.00'	"J" 13+36.97, 50.00' L	BACK OF CURB
9	6.88'	"G" 10+50.01, 19.87' R	BACK OF CURB
10	6.88'	"G" 10+61.01, 11.63' R	BACK OF CURB
11	21.00'	"J" 13+38.47, 56.00' L	BACK OF SIDEWALK
12	30.00'	"J" 12+50.95, 50.00' R	BACK OF CURB
13	6.88'	"G" 9+49.99, 19.88' L	BACK OF CURB
14	6.88'	"G" 9+38.99, 11.63' L	BACK OF CURB
15	22.00'	"J" 12+48.45, 57.00' R	BACK OF SIDEWALK
16	20.00'	"J" 13+26.95, 40.00' R	BACK OF CURB
17	6.88'	"G" 9+50.01, 19.87' R	BACK OF CURB
18	6.88'	"G" 9+39.01, 11.63' R	BACK OF CURB
19	22.00'	"G" 9+43.01, 45.50' R	BACK OF SIDEWALK

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
T 702-220-3690
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS, NV 89123

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — No. 19870
2/23/2022

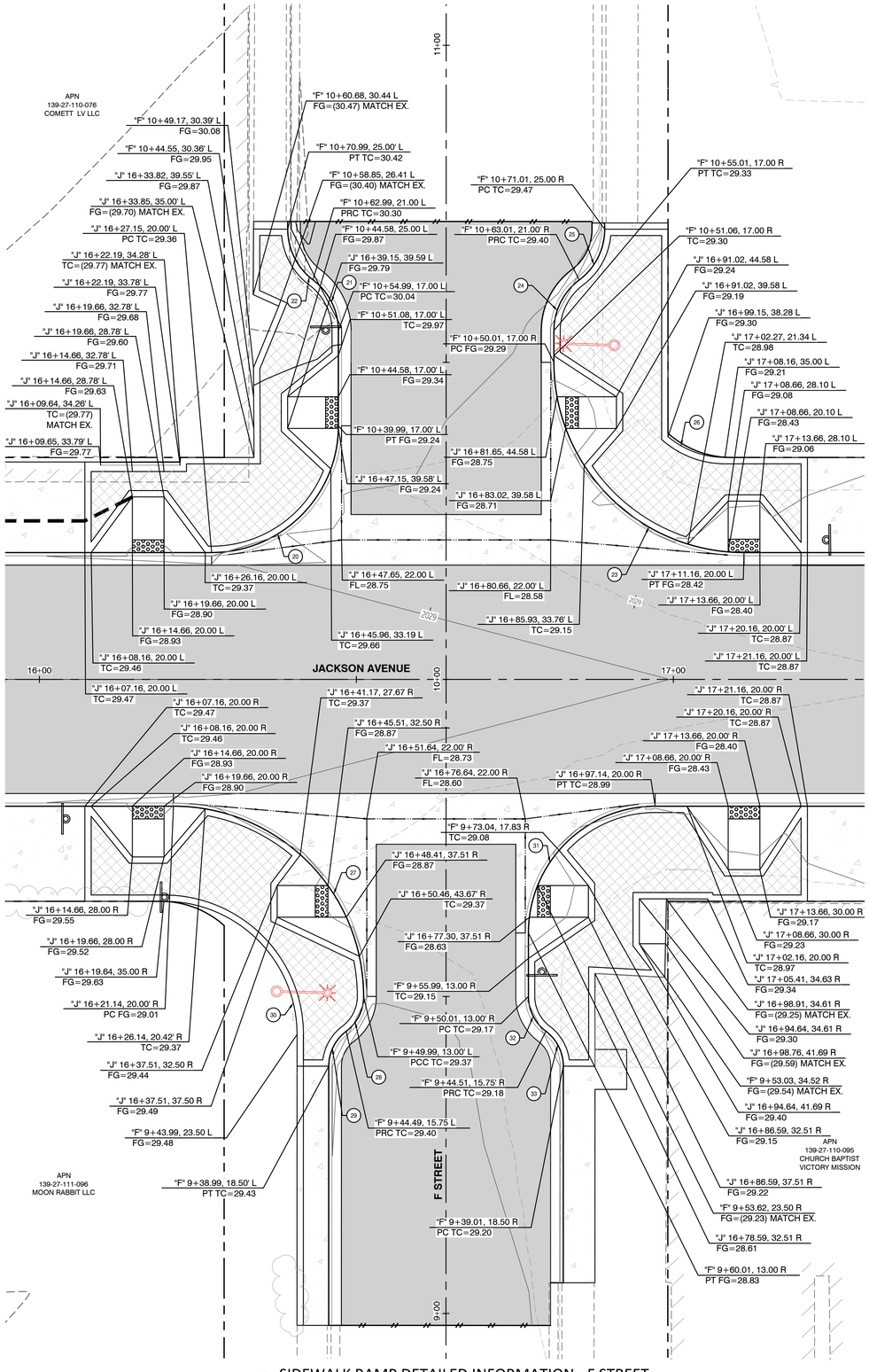
TITLE: JACKSON AVENUE
H STREET TO C STREET
CONSTRUCTION DETAILS
SHEET

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK
MWA # 400		DRAWN BY: DAB
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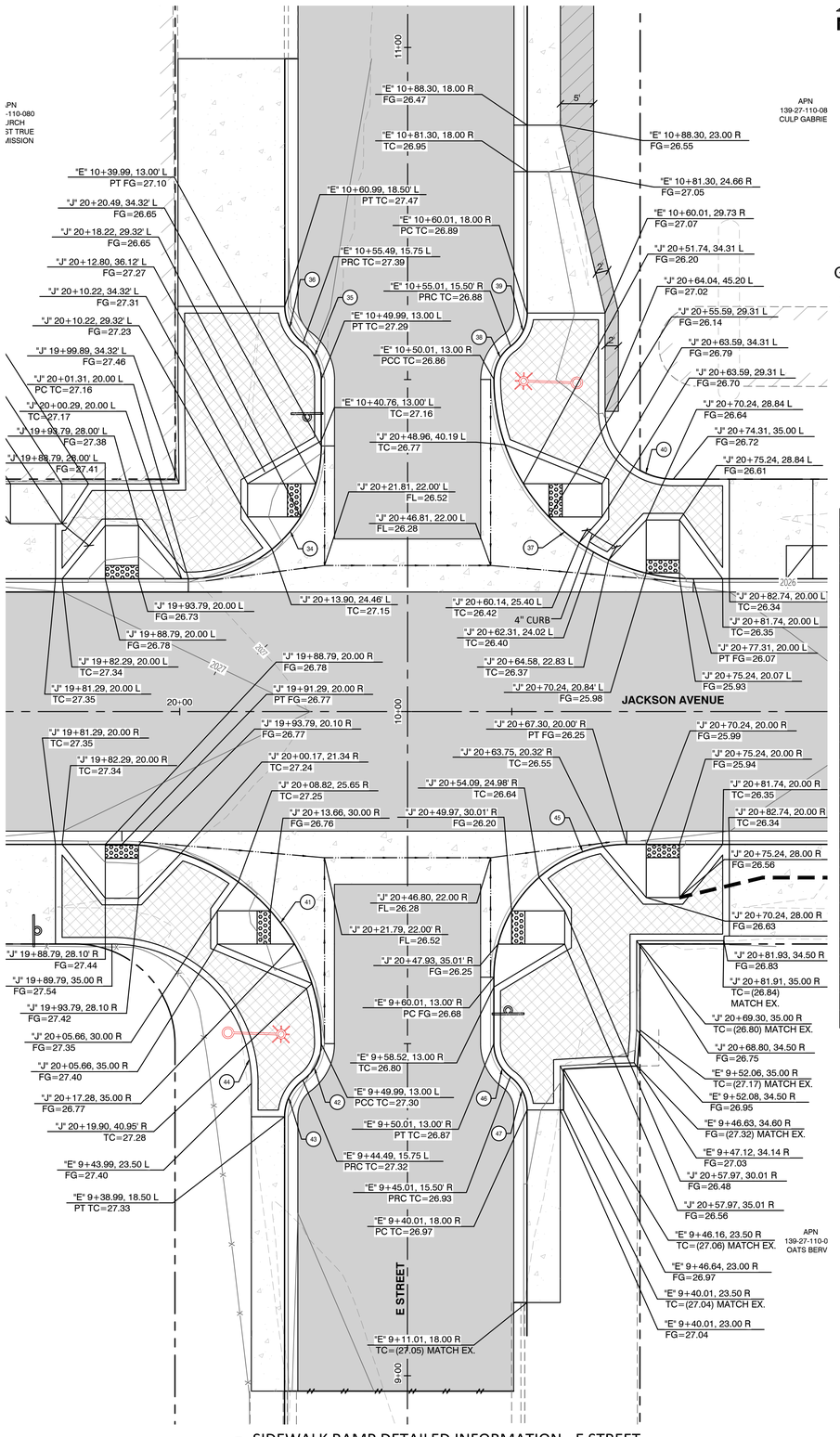
SHEET
DT1
40 OF 59
DRAWING NO.
107V8328

2/23/22 J:\JOBS\81844_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400DT.DWG



SIDEWALK RAMP DETAILED INFORMATION - F STREET

(A / DT2)



SIDEWALK RAMP DETAILED INFORMATION - E STREET

(B / DT2)

NORTH

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1" = 10'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GENERAL NOTES:

1. CONTRACTOR SHALL MATCH EXISTING GRADE AT ALL BUILDING ENTRANCES.

CURVE DATA TABLE

CURVE	RADIUS	RADIUS CENTER POINT STATION	COMMENT
20	20.00'	"J" 16+27.15, 40.00' L	BACK OF CURB
21	10.00'	"F" 10+54.99, 27.00' L	BACK OF CURB
22	10.00'	"F" 10+70.99, 15.00' L	BACK OF CURB
23	30.00'	"J" 17+11.16, 50.00' L	BACK OF CURB
24	10.00'	"F" 10+55.01, 27.00' R	BACK OF CURB
25	10.00'	"F" 10+71.01, 15.00' R	BACK OF CURB
26	14.00'	"J" 17+08.16, 49.00' L	BACK OF SIDEWALK
27	30.00'	"J" 16+21.14, 50.00' R	BACK OF CURB
28	6.88'	"F" 9+49.99, 19.87' L	BACK OF CURB
29	6.88'	"F" 9+38.99, 11.63' L	BACK OF CURB
30	21.00'	"J" 16+19.64, 56.00' R	BACK OF SIDEWALK
31	20.00'	"J" 16+97.14, 40.00' R	BACK OF CURB
32	6.88'	"F" 9+50.01, 19.88' R	BACK OF CURB
33	6.88'	"F" 9+39.01, 11.63' R	BACK OF CURB
34	20.00'	"J" 20+01.31, 40.00' L	BACK OF CURB
35	6.88'	"E" 10+49.99, 19.88' L	BACK OF CURB
36	6.88'	"E" 10+60.99, 11.63' L	BACK OF CURB
37	30.00'	"J" 20+77.31, 50.00' L	BACK OF CURB
38	6.25'	"E" 10+50.01, 19.25' R	BACK OF CURB
39	6.25'	"E" 10+60.01, 11.75' R	BACK OF CURB
40	10.20'	"J" 20+74.24, 45.20' L	BACK OF SIDEWALK
41	30.00'	"J" 19+91.29, 50.00' R	BACK OF CURB
42	6.88'	"E" 9+49.99, 19.88' L	BACK OF CURB
43	6.88'	"E" 9+38.99, 11.63' L	BACK OF CURB
44	21.00'	"J" 19+89.79, 56.00' R	BACK OF SIDEWALK
45	20.00'	"J" 20+67.30, 40.00' R	BACK OF CURB
46	6.25'	"E" 9+50.01, 19.25' R	BACK OF CURB
47	6.25'	"E" 9+40.01, 11.75' R	BACK OF CURB

REVISIONS | NO. | DATE | SHEET

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
T 702-220-3690
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS, NV 89123

PROFESSIONAL ENGINEER — STATE OF NEVADA — MICHAEL A DAVIDSON — EXP. 12/31/22 — CIVIL — No. 19870

2/23/2022

TITLE

JACKSON AVENUE
H STREET TO C STREET

SHEET

CONSTRUCTION DETAILS

PREPARED FOR
CITY OF LAS VEGAS

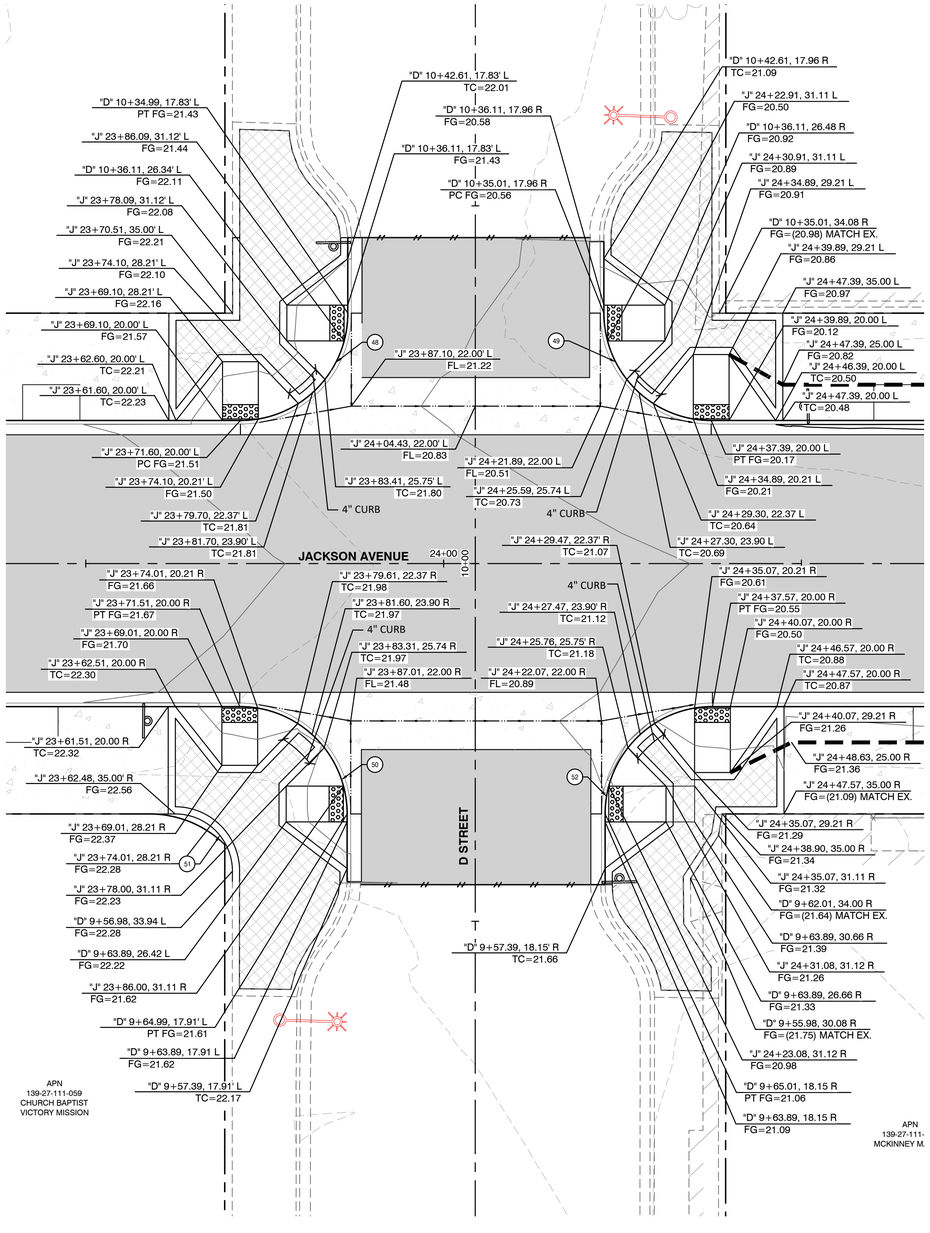
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

BID # 21.MWA400-C
MVA # 400
SUBMITTAL STAGE: FINAL

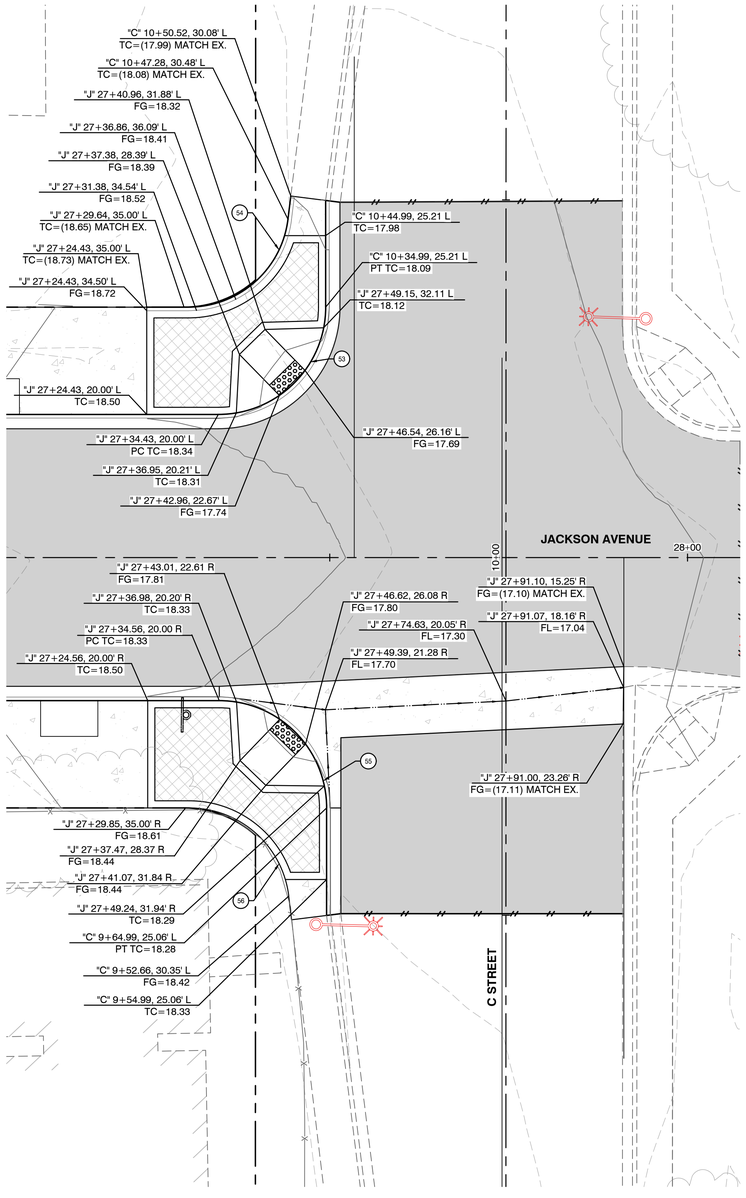
SHEET
DT2
41 OF 59

DRAWING NO.
107V8328

I:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_OA\CIVIL\DWG\MWA400\1 PRODUCTION\MWA400DT.DWG
2/23/22



A DT3 SIDEWALK RAMP DETAILED INFORMATION - D STREET



B DT3 SIDEWALK RAMP DETAILED INFORMATION - C STREET

NORTH

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1" = 10'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GENERAL NOTES:

1. CONTRACTOR SHALL MATCH EXISTING GRADE AT ALL BUILDING ENTRANCES.

CURVE DATA TABLE

CURVE	RADIUS	RADIUS CENTER POINT STATION	COMMENT
48	15.00'	"J" 23+71.60, 35.00' L	BACK OF CURB
49	15.00'	"J" 24+37.39, 35.00' L	BACK OF CURB
50	15.00'	"J" 23+71.51, 35.00' R	BACK OF CURB
51	8.00'	"J" 23+62.48, 43.00' R	BACK OF SIDEWALK
52	15.00'	"J" 24+37.57, 35.00' R	BACK OF CURB
53	15.00'	"J" 27+34.43, 35.00' L	BACK OF CURB
54	14.00'	"J" 27+30.27, 49.00' L	BACK OF SIDEWALK
55	15.00'	"J" 27+34.56, 35.00' R	BACK OF CURB
56	14.00'	"J" 27+30.37, 49.00' R	BACK OF SIDEWALK

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
T 702-220-3690
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS, NV 89123

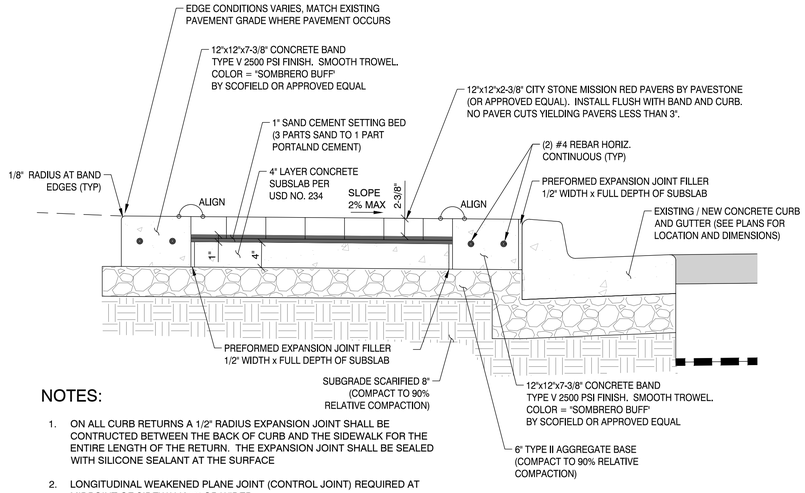
PROFESSIONAL ENGINEER STATE OF NEVADA
MICHAEL A DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET
SHEET
CONSTRUCTION DETAILS

PREPARED FOR
CITY OF LAS VEGAS
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD
BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET
DT3
42 OF 59
DRAWING NO.
107V8328

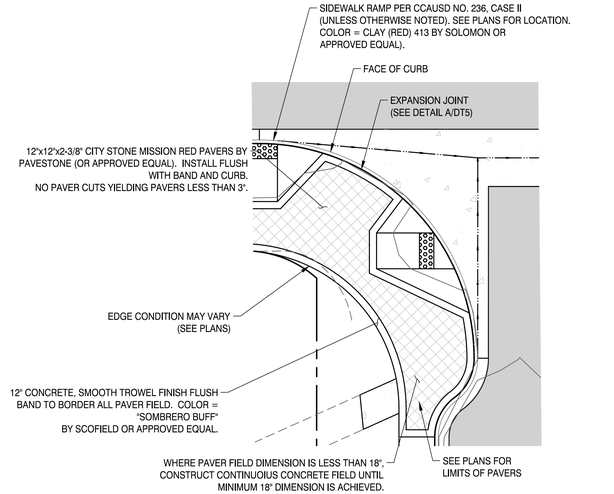
2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7-PRODUCTION\MWA400DT.DWG



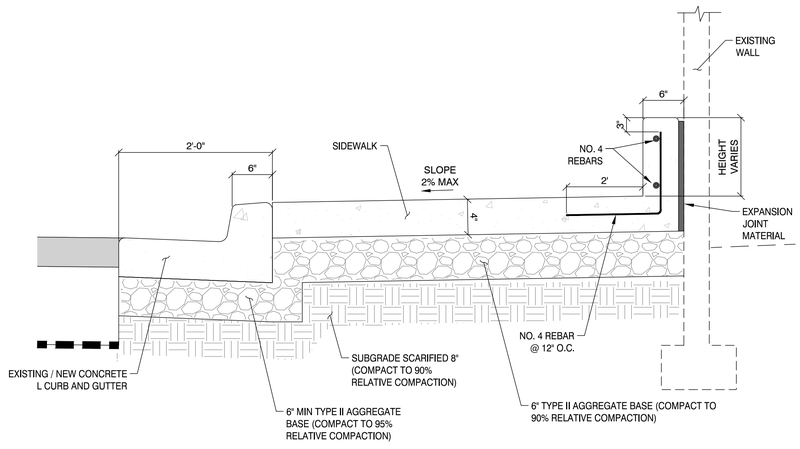
NOTES:

1. ON ALL CURB RETURNS A 1/2" RADIUS EXPANSION JOINT SHALL BE CONTRUCTED BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR THE ENTIRE LENGTH OF THE RETURN. THE EXPANSION JOINT SHALL BE SEALED WITH SILICONE SEALANT AT THE SURFACE
2. LONGITUDINAL WEAKENED PLANE JOINT (CONTROL JOINT) REQUIRED AT MIDPOINT OF SIDEWALK 10' OR WIDER.
3. SAND SWEEP ALL JOINTS - JOINTS BETWEEN PAVERS NOT TO EXCEED 1/8".
4. APPLY CONCRETE SEALER TO PAVERS AFTER INSTALLATION IS COMPLETE. 21% ACRYLIC SOLID SEALER (NON-YELLOWING).

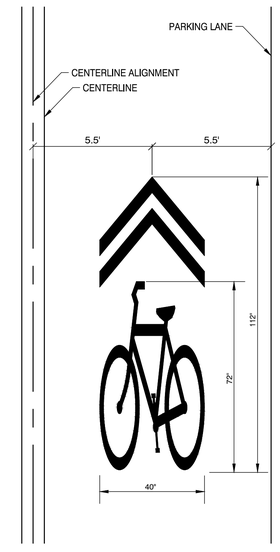
A DT4 SIDEWALK / PAVER DETAIL
NOT TO SCALE



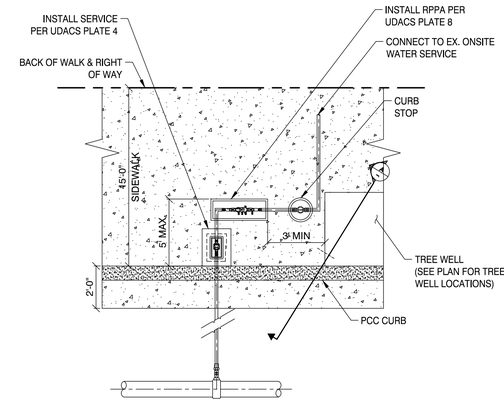
B DT4 SIDEWALK RAMP DETAIL
NOT TO SCALE



C DT4 FOOTING CAP DETAIL (REF. USD 234)
NOT TO SCALE



D DT4 SHARED LANE PAVEMENT MARKING
NOT TO SCALE



E DT4 BACKFLOW PREVENTION ASSEMBLY & CURB STOP
NOT TO SCALE

APPROVED FOR CONSTRUCTION

Jason N. Shadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
T 702.220.3690
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS NV 89123

MICHAEL A DAVIDSON EXP. 12/31/22 CIVIL No. 19870 STATE OF NEVADA PROFESSIONAL ENGINEER

2/23/2022

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: CONSTRUCTION DETAILS

PREPARED FOR CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

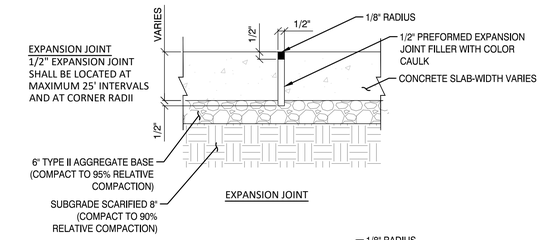
MWA # 400 | SUBMITTAL STAGE: FINAL

SHEET DT4

43 OF 59

DRAWING NO. 107V8328

2/23/22 I:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\CIVIL\DWG\MWA400.7_PRODUCTION\MWA400DT.DWG

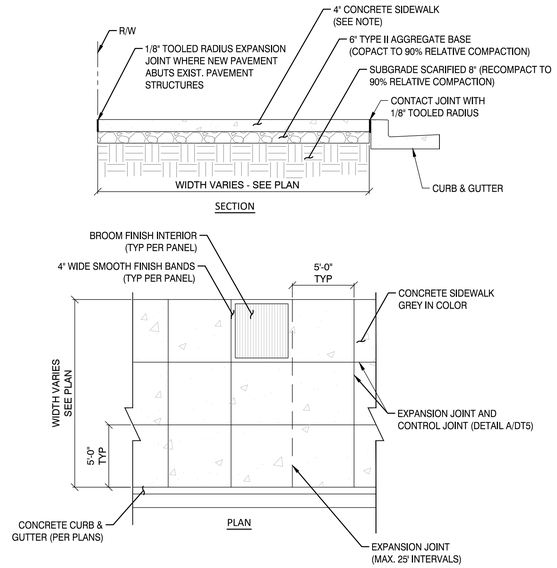


NOTES:

1. ON ALL CURB RETURNS A 1/2" EXPANSION JOINT SHALL BE CONSTRUCTED BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR THE ENTIRE LENGTH OF THE RETURN.
2. LONGITUDINAL WEAKENED PLANE JOINT (CONTROL JOINT) REQUIRED AT MIDPOINT OF SIDEWALK 10' OR WIDER.
3. LITHOCHROME COLORCAULK SEALANT BY L.M. SCOFIELD OR EQUAL COLOR TO MATCH ADJACENT PAVEMENT.

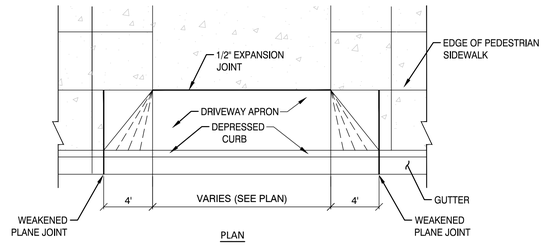
A/DT5 EXPANSION AND CONTROL JOINT

NOT TO SCALE



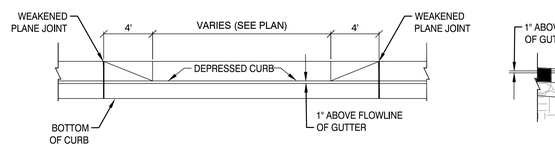
B/DT5 CONCRETE SIDEWALK DETAIL

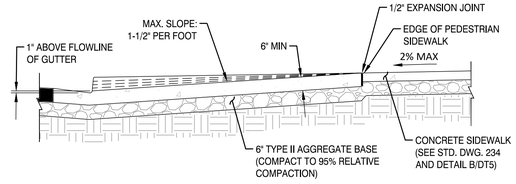
NOT TO SCALE



DRIVEWAY NOTES:

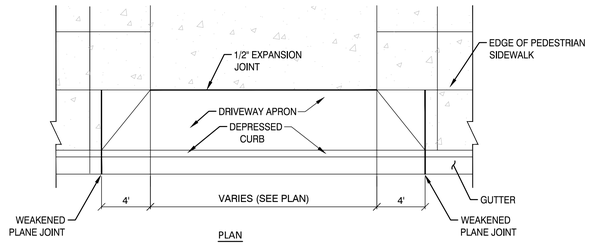
1. WHEN CONSTRUCTING DRIVEWAY WHERE CURB AND GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB AND GUTTER. DRIVEWAY SHALL BE MONOLITHIC TO A.C. LINE.
2. WEAKENED PLANE JOINTS SHALL BE EQUALLY SPACED AT 15" MAX. INTERVALS, SEE STANDARD DRAWING NO 234.





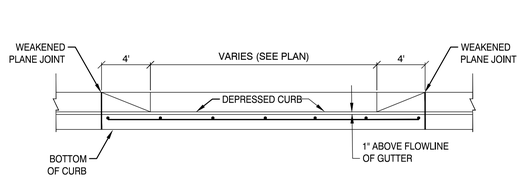
C/DT5 RESIDENTIAL DRIVEWAY

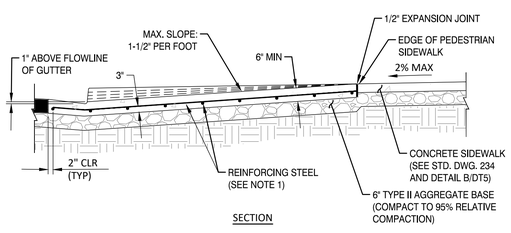
NOT TO SCALE



DRIVEWAY NOTES:

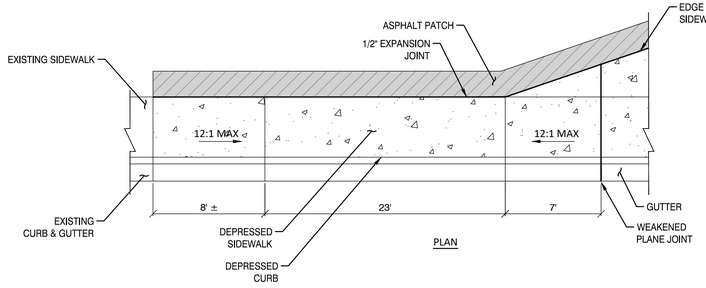
1. NO. 4 BARS AT 16" O.C. BOTH WAYS EXTENDING IN GUTTER. NO. 4 BARS SHALL BE PLACED 3" ABOVE BOTTOM OF CONCRETE SUPPORTED BY NON-FERROUS CHAIRS APPROVED BY THE ENGINEER.
2. WHEN CONSTRUCTING DRIVEWAY WHERE CURB AND GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB AND GUTTER. DRIVEWAY SHALL BE MONOLITHIC TO A.C. LINE.
3. WEAKENED PLANE JOINTS SHALL BE EQUALLY SPACED AT 15" MAX. INTERVALS, SEE STANDARD DRAWING NO 234.





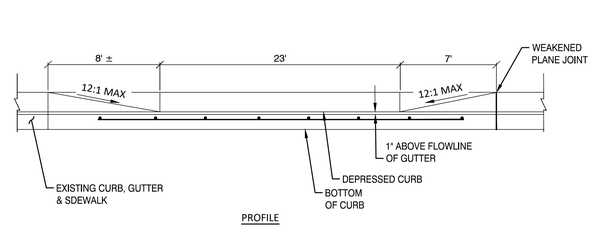
D/DT5 COMMERCIAL DRIVEWAY

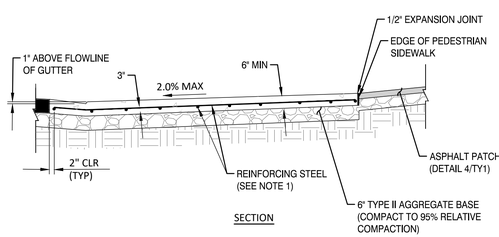
NOT TO SCALE



DRIVEWAY NOTES:

1. NO. 4 BARS AT 16" O.C. BOTH WAYS EXTENDING IN GUTTER. NO. 4 BARS SHALL BE PLACED 3" ABOVE BOTTOM OF CONCRETE SUPPORTED BY NON-FERROUS CHAIRS APPROVED BY THE ENGINEER.
2. WHEN CONSTRUCTING DRIVEWAY WHERE CURB AND GUTTER EXISTS, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB AND GUTTER. DRIVEWAY SHALL BE MONOLITHIC TO A.C. LINE.
3. WEAKENED PLANE JOINTS SHALL BE EQUALLY SPACED AT 15" MAX. INTERVALS, SEE STANDARD DRAWING NO 234.





E/DT5 MODIFIED COMMERCIAL DRIVEWAY

NOT TO SCALE

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS, NV 89123
T 702.220.3690

MICHAEL A. DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
STATE OF NEVADA
PROFESSIONAL ENGINEER
2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

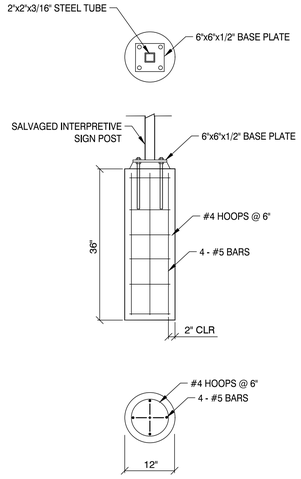
SHEET: CONSTRUCTION DETAILS

PREPARED FOR: CITY OF LAS VEGAS
BID # 21.MWA400-C
MWA # 400
DATE: FEB-2022
SUBMITTAL STAGE: FINAL
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

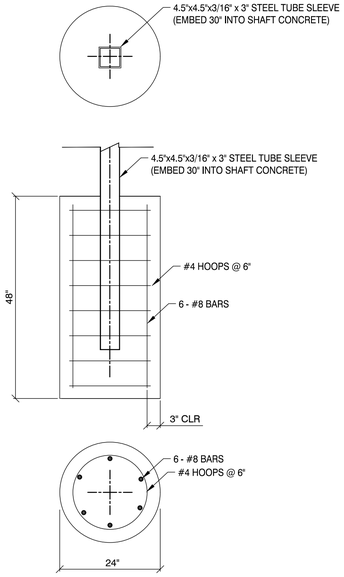
SHEET
DT5
44 OF 59

DRAWING NO.
107V8328

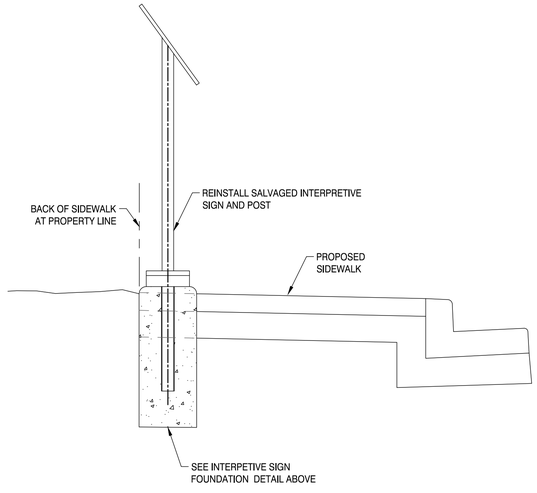
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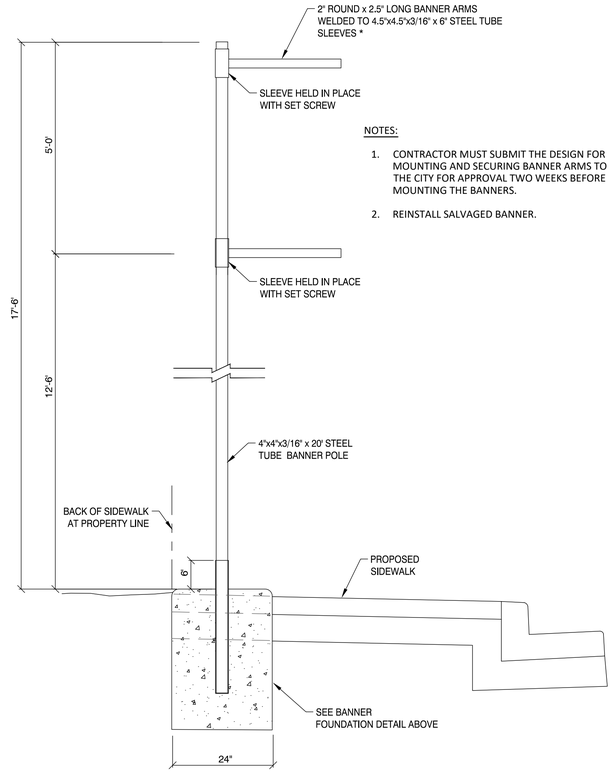
INTERPETIVE SIGN FOUNDATION



BANNER FOUNDATION



A DT6 INTERPRETIVE SIGN & FOUNDATION
NOT TO SCALE



NOTES:

1. CONTRACTOR MUST SUBMIT THE DESIGN FOR MOUNTING AND SECURING BANNER ARMS TO THE CITY FOR APPROVAL TWO WEEKS BEFORE MOUNTING THE BANNERS.
2. REINSTALL SALVAGED BANNER.

B DT6 BANNER POLE & FOUNDATION
NOT TO SCALE

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS, NV 89123
T 702.220.3690

STATE OF NEVADA
MICHAEL A. DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
PROFESSIONAL ENGINEER
2/23/2022

TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: CONSTRUCTION DETAILS

PREPARED FOR: CITY OF LAS VEGAS
BID # 21.MWA400-C
MWA # 400
DATE: FEB-2022
SUBMITTAL STAGE: FINAL
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

SHEET DT6
45 OF 59
DRAWING NO. 107V8328

J:\JOBS\B344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400DT.DWG
2/23/22

NORTH

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

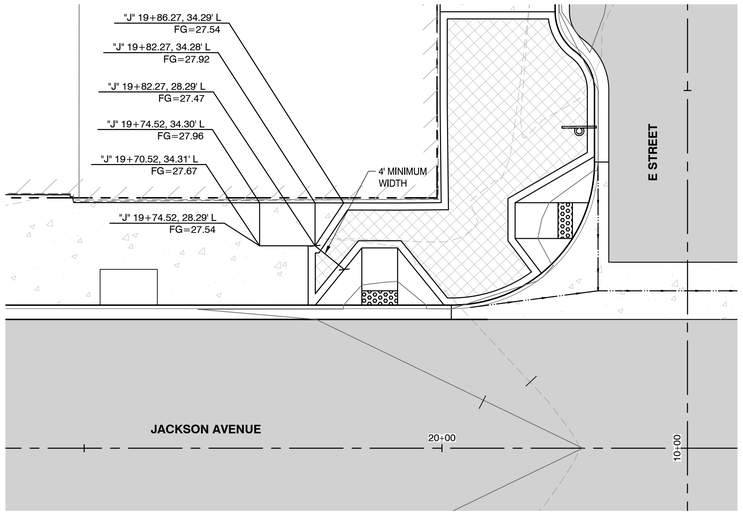
1" = 10'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

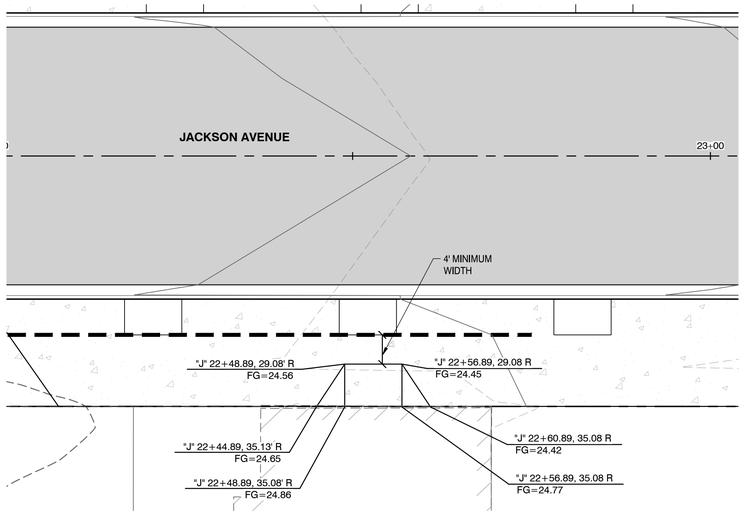
CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GENERAL NOTES:

1. CONTRACTOR SHALL MATCH EXISTING GRADE AT ALL BUILDING ENTRANCES.



A DT7 BUILDING RAMP 1



B DT7 BUILDING RAMP 2

B DT2 SIDEWALK RAMP DETAILED INFORMATION - E STREET

REVISIONS | SHEET | DATE | NO.

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS, NV 89123
T 702-220-3690

STATE OF NEVADA
PROFESSIONAL ENGINEER
MICHAEL A. DAVIDSON
EXP. 12/31/22
CIVIL
No. 19870
2/23/2022

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
CONSTRUCTION DETAILS

PREPARED FOR
CITY OF LAS VEGAS

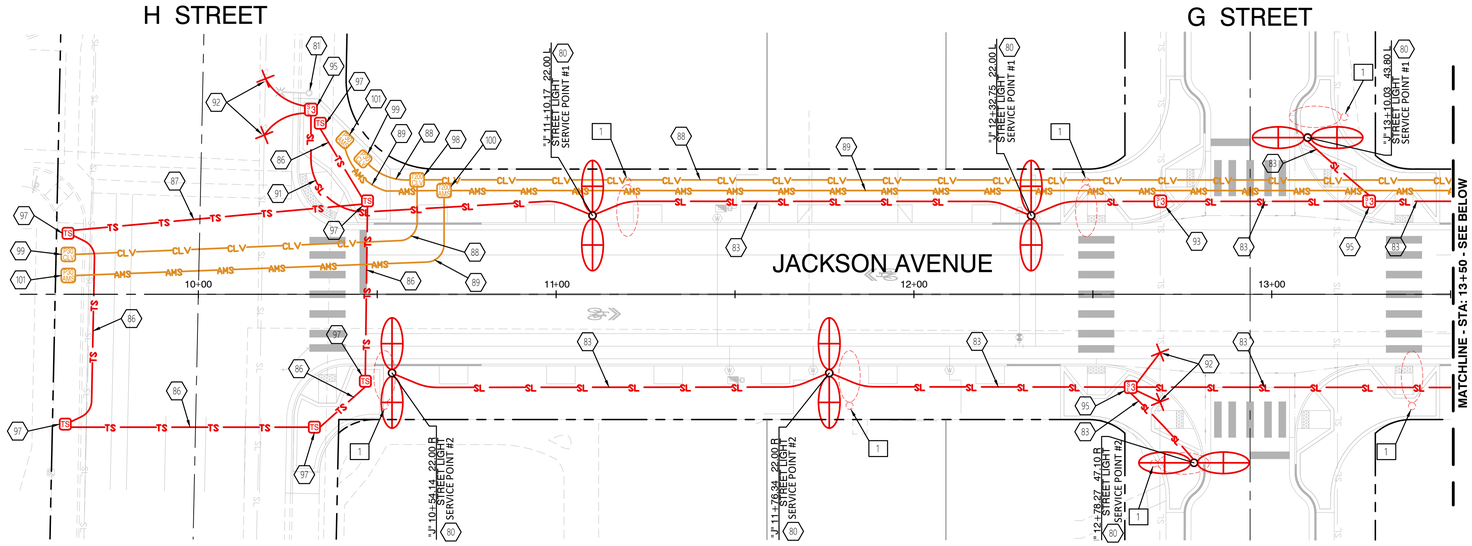
BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

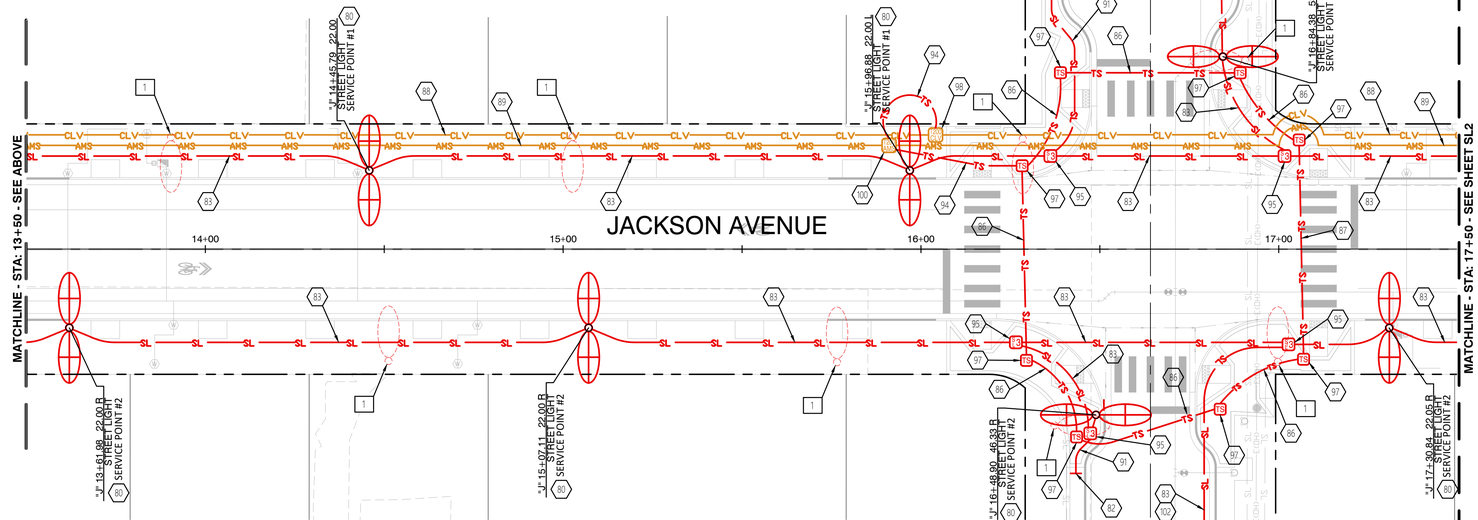
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

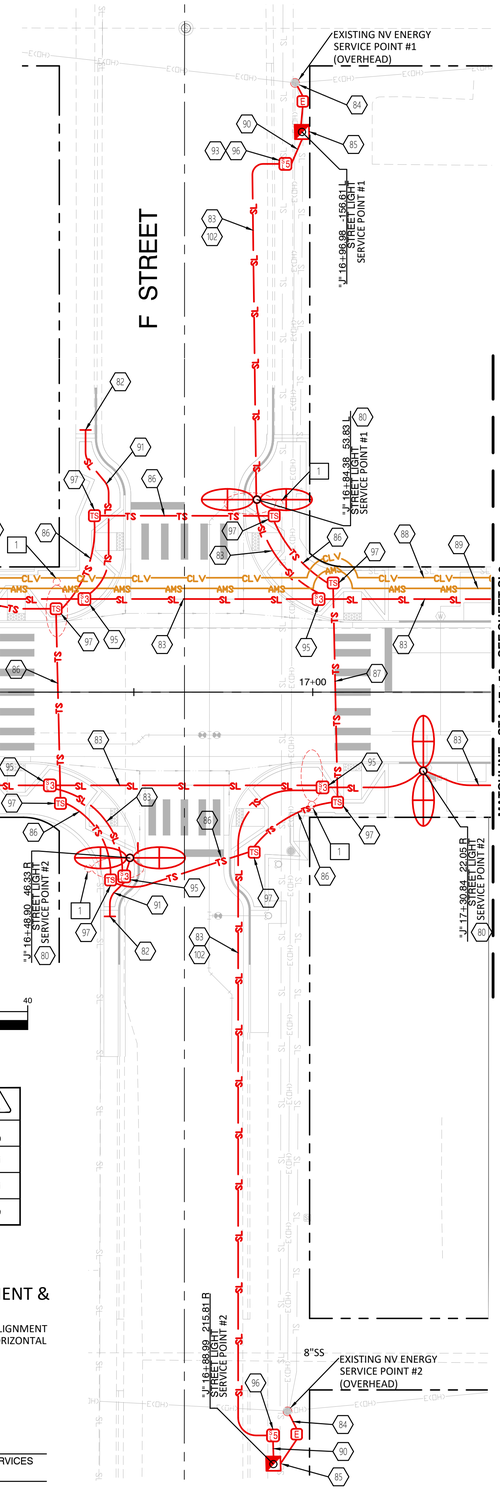
SHEET
DT7
46 OF 59

DRAWING NO.
107V8328

2/23/22 J:\V3B\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_DA\CIVIL\DWG\MWA400\ PRODUCTION\MWA400DT.DWG







STREETLIGHT NOTES:

1. ALL UNDERGROUND CONDUIT SHALL BE TYPE RNC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALL PER SDCCA STD.DWG. NOS. 503 &505. CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL EMPTY CONDUIT SHALL INCLUDE A #8 WIRE FOR LOCATING PURPOSES.
2. CONTRACTOR SHALL POTHOLE ALL PROPOSED STREETLIGHT LOCATIONS IN POTENTIAL CONFLICT WITH EXISTING UTILITIES PRIOR TO DRILLING FOR FOUNDATIONS. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICT LOCATIONS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION AFTER CONDUIT AND PULL BOX INSTALLATION AT NO ADDITIONAL COST TO OWNER.
4. MAINTAIN MINIMUM 12-INCH VERTICAL SEPARATION AT ALL POINTS OF CONDUIT/WATER LINE CROSSING. MAINTAIN MINIMUM 3-FT HORIZONTAL SEPARATION FROM WATER LINES.
5. REMOVE EXISTING STREETLIGHT HARDWARE & RETURN TO THE CITY OF LAS VEGAS (ALL COMPONENTS) AND DISPOSE ALL WIRES. EXISTING STREETLIGHT FOUNDATION SHALL BE REMOVED ENTIRELY. CONTRACTOR TO IDENTIFY CIRCUIT AND RECORD ON DRAWINGS.
6. ALL EXISTING STREETLIGHT ALONG C, D, E, F, AND G STREET SHALL REMAIN OPERATING FUNCTIONAL DURING AND AFTER THE NEW STREETLIGHT INSTALLATION.
7. ALSO SEE SHEET GN1 FOR ADDITIONAL STREET LIGHT NOTES.

LEGEND:

- NEW 120/204 V SERVICE PEDESTAL (USD 730 & 335.S2)
- E — NEW NV ENERGY SERVICE PULL BOX (120/240 V)
- PB — NEW STREET LIGHT PULL BOX (No.3 1/2) (USD 326). PULL BOX COVER MARKED "STREET LIGHTING"
- PB — NEW STREET LIGHT PULL BOX (No.5) (USD 326). PULL BOX COVER MARKED "STREET LIGHTING"
- TS — NEW TRAFFIC SIGNAL PULL BOX (No.7)(USD 707)
- P30 CLV — NEW P30 PULL BOX (USD 761) FOR CLV FIBER OPTIC SYSTEM
- P30 AMS — NEW P30 PULL BOX (USD 761) FOR AMS FIBER OPTIC SYSTEM
- 200 CLV — NEW TYPE 200 VAULT (USD 762) FOR CLV FIBER OPTIC SYSTEM
- 200 AMS — NEW TYPE 200 VAULT (USD 762) FOR AMS FIBER OPTIC SYSTEM
- NEW CLV DECORATIVE STREET LIGHT WITH DOUBLE-ARM. SEE SHEET SL3 FOR DETAILS

LIGHTING REMOVAL NOTES:

1. REMOVE AND SALVAGE STREETLIGHT AND DELIVER TO CLV (SEE SHEET DM-1 FOR INFORMATION). REMOVE FOUNDATION ENTIRELY.

LIGHTING CONSTRUCTION NOTES:

80. CONSTRUCT STREETLIGHT FOUNDATION. INSTALL STREET LIGHT ASSEMBLY (DUAL FIXTURE). SEE SHEET SL3 FOR DETAILS.
81. EXISTING STREET LIGHT TO REMAIN
82. STUB AND CAP CONDUITS
83. INSTALL 2" STREETLIGHT CONDUIT W/ 2#4 & 1#8 THW STREETLIGHT CONDUCTORS.
84. INSTALL POWER FEED. SEE NV ENERGY PLAN PROJ. ID 3007379953, SHEET 59 OF 59.
85. CONSTRUCT SERVICE PEDESTAL FOUNDATION PER USD 335.S2. INSTALL 200 AMP SINGLE METER SERVICE PEDESTAL PER USD 730.
86. INSTALL 2-3" TRAFFIC SIGNAL CONDUIT W/ PULL STRING IN EACH.
87. INSTALL 3-3" TRAFFIC SIGNAL CONDUIT W/ PULL STRING IN EACH.
90. INSTALL 2-2" STREETLIGHT CONDUIT W/ 2#4 & 1#8 THW STREETLIGHT CONDUCTORS IN ONE CONDUIT. PULL WIRE IN OTHER.
91. INSTALL 2" STREETLIGHT CONDUIT W/ 1#8 TRACER WIRE.
92. CONNECT NEW CONDUIT TO EXISTING. RECONNECT STREET LIGHT WIRES IN PULL BOX.
93. INSTALL NEW PULL BOX TO INTERCEPT EXISTING CONDUIT. RECONNECT WIRES IN PULL BOX.
94. INSTALL 4"C, 1#8 TRACER PULL TAPE.
95. INSTALL STREET LIGHT PULL BOX No.3 1/2.
96. INSTALL STREET LIGHT PULL BOX No.5.
97. INSTALL TRAFFIC SIGNAL PULL BOX No.7.
102. INSTALL NEW CONDUIT UNDER EXISTING PAVEMENT BY OPEN TRENCH METHOD.

CLV FIBER OPTIC CONSTRUCTION NOTE:

88. INSTALL 2-4"C, 1#8 TRACER WIRE IN EACH CONDUIT. SEE FIGURE C-1 CONDUIT DUCT BANK INSTALLATION ON SHEET SL3.
98. INSTALL TYPE 200 VAULT.
99. INSTALL P30 PULL BOX.

AMS FIBER OPTIC CONSTRUCTION NOTE:

89. INSTALL 4"C, 1#8 TRACER WIRE. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.
100. INSTALL TYPE 200 VAULT.
101. INSTALL P30 PULL BOX.

MAINTAIN A MINIMUM 3' PARALLEL SEPARATION

MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

APPROVED FOR CONSTRUCTION

Jason N. Ghadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

NO.	DATE	SHEET	REVISIONS

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

STEVEN W. LEUNG
EXP: 12/31/23
CIVIL
NO. 024192
STATE OF NEVADA
PROFESSIONAL ENGINEER
2/23/22

TITLE: JACKSON AVENUE
H STREET TO C STREET

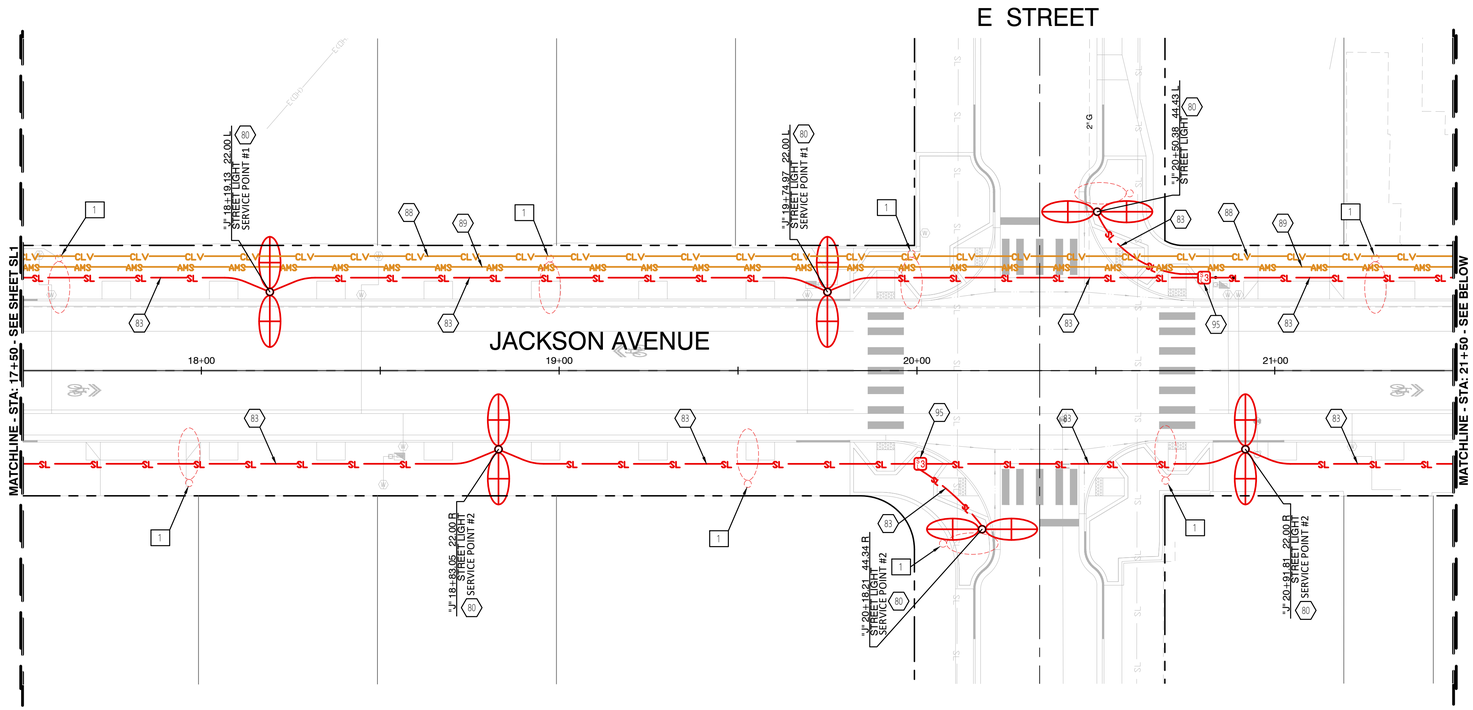
SHEET: LIGHTING & INTERCONNECT PLAN
STA: "J" 9+50 TO STA: "J" 17+50

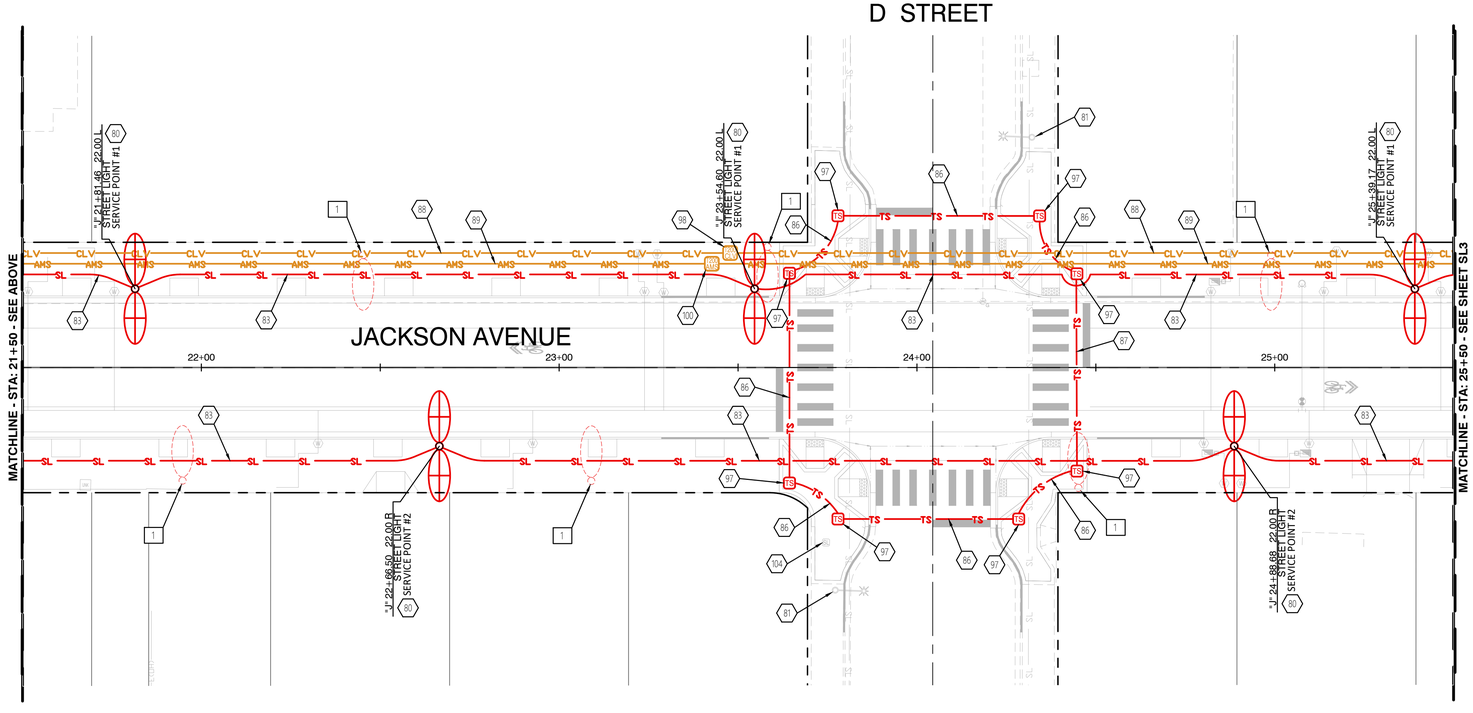
PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET SL1
47 OF 59
DRAWING NO. 107V8328

2/23/22 J:\V3BS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAM_CIVIL\DWG\MWA400\ PRODUCTION\MWA400SL.DWG





NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

BASIS OF BEARING, BENCHMARK, ALIGNMENT & ASSESSOR PARCEL NUMBER

FOR BASIS OF BEARING INFORMATION, BENCHMARK INFORMATION, ALIGNMENT INFORMATION AND ASSESSOR PARCEL NUMBER INFORMATION SEE HORIZONTAL CONTROL SHEET HC.

NOTE:

SEE STREETLIGHT NOTES AND LEGEND ON SHEET SL1.

LIGHTING REMOVAL NOTES:

1 REMOVE AND SALVAGE STREETLIGHT AND DELIVER TO CLV. REMOVE FOUNDATION ENTIRELY.

LIGHTING CONSTRUCTION NOTES:

80 CONSTRUCT STREETLIGHT FOUNDATION. INSTALL STREET LIGHT ASSEMBLY (DUAL FIXTURE). SEE SHEET SL3 FOR DETAILS.

81 EXISTING STREET LIGHT TO REMAIN

83 INSTALL 2" STREETLIGHT CONDUIT W/ 2#4 & 1#8 THW STREETLIGHT CONDUCTORS.

85 INSTALL 2-3" TRAFFIC SIGNAL CONDUIT W/ PULL STRING IN EACH.

87 INSTALL 3-3" TRAFFIC SIGNAL CONDUIT W/ PULL STRING IN EACH.

95 INSTALL STREET LIGHT PULL BOX No.3 1/2.

97 INSTALL TRAFFIC SIGNAL PULL BOX No.7.

104 ADJUST EXISTING PULL BOX TO FINISHED GRADE.

CLV FIBER OPTIC CONSTRUCTION NOTE:

88 INSTALL 2-4"C, 1#8 TRACER WIRE IN EACH CONDUIT. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.

98 INSTALL TYPE 200 VAULT.

AMS FIBER OPTIC CONSTRUCTION NOTE:

89 INSTALL 4"C, 1#8 TRACER WIRE. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.

100 INSTALL TYPE 200 VAULT.

MAINTAIN A MINIMUM 3' PARALLEL SEPARATION

MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING

APPROVED FOR CONSTRUCTION

Jason N. Shadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

REVISIONS | NO. | DATE | SHEET

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.2690
SUITE 260
LAS VEGAS NV 89123

PROFESSIONAL ENGINEER STATE OF NEVADA
STEVEN W. LEUNG
EXP: 12/31/23
CIVIL
NO. 024192
2/23/22

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
LIGHTING & INTERCONNECT PLAN
STA: "J" 17+50 TO STA: "J" 25+50

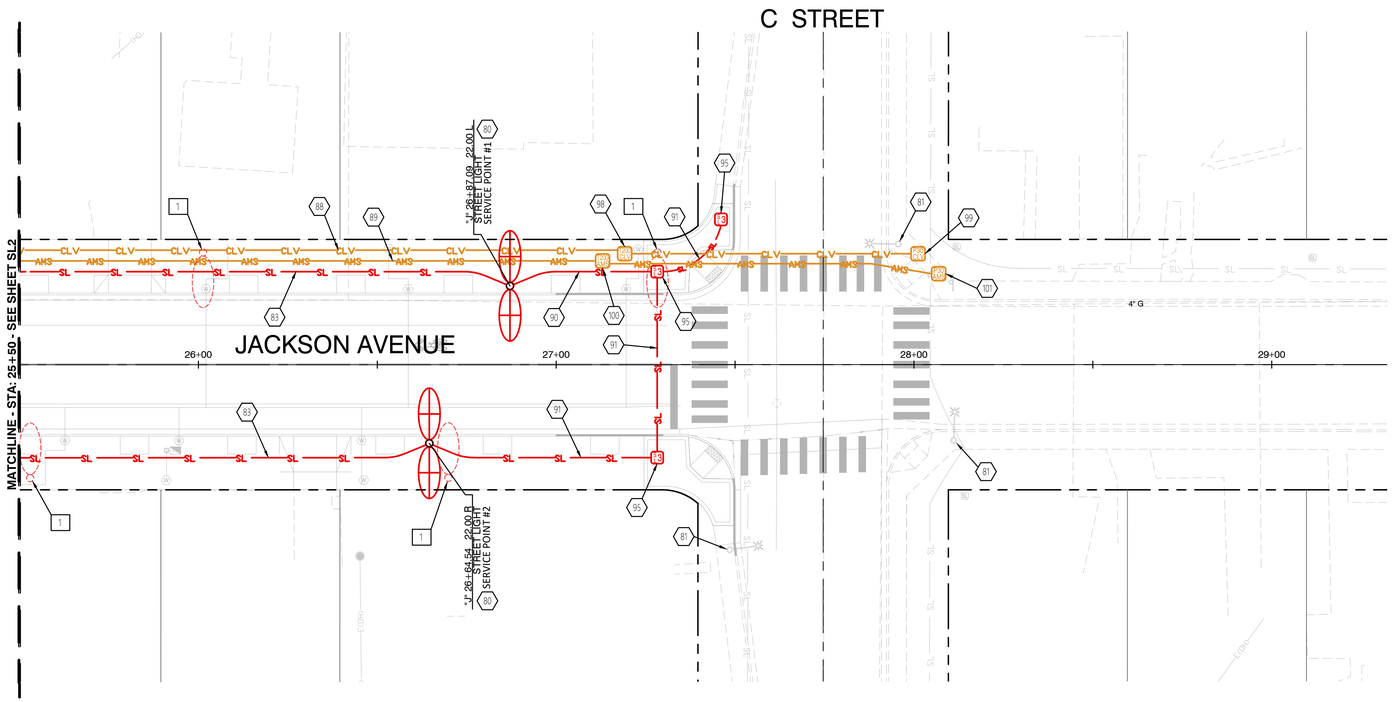
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
SL2
48 OF 59

DRAWING NO.
107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIVIL\DWG\MWA400\7. PRODUCTION\MWA400SL.DWG



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

NORTH

NOTE:

SEE STREETLIGHT NOTES AND LEGEND ON SHEET SL1.

LIGHTING REMOVAL NOTES:

1 REMOVE AND SALVAGE STREETLIGHT AND DELIVER TO CLV. REMOVE FOUNDATION ENTIRELY.

LIGHTING CONSTRUCTION NOTES:

80 CONSTRUCT STREETLIGHT FOUNDATION. INSTALL STREET LIGHT ASSEMBLY (DUAL FIXTURE). SEE SHEET SL3 FOR DETAILS.

81 EXISTING STREET LIGHT TO REMAIN

83 INSTALL 2" STREETLIGHT CONDUIT W/ 2#4 & 1#8 THW STREETLIGHT CONDUCTORS.

93 INSTALL 2" STREETLIGHT CONDUIT W/ 1#8 TRACER WIRE.

95 INSTALL STREET LIGHT PULL BOX No.3 1/2.

CLV FIBER OPTIC CONSTRUCTION NOTE:

88 INSTALL 2-4"C, 1#8 TRACER WIRE IN EACH CONDUIT. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.

98 INSTALL TYPE 200 VAULT.

99 INSTALL P30 PULL BOX.

AMS FIBER OPTIC CONSTRUCTION NOTE:

89 INSTALL 4"C, 1#8 TRACER WIRE. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.

100 INSTALL TYPE 200 VAULT.

101 INSTALL P30 PULL BOX.

CALL BEFORE CONSTRUCTION ⚠

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

SERVICE PEDESTAL SCHEDULE #1

LOCATION: EAST SIDE OF 'F' STREET, 156' NORTH OF JACKSON AVENUE
SERVICE PANEL: 120/240 V, 1-PHASE, 3-WIRE, 200-AMP MAIN CB
MAIN INTERRUPTING RATING 10,000 RMS SYM AMPS. (USD 335.S2)

POLE SPACE CKT #	#	CIRCUIT USE	CKT BRK RATING	CONNECTED LOAD VA A	B	CKT BRK RATING	CIRCUIT USE	POLE SPACE CKT #	#
	1	MAIN		---					
					---		MAIN	2	
	3	MAIN		---					
					1800	15	PHOTOCELL	4	
	5	BY-PASS SWITCH		---					
						60	ST LTG (CKT#1)	6	1
1	7	ST LTG (CKT#1)	60	2580	2580				
					---		SPARE	8	
	9	SPARE	15	---					
					---		SPACE	10	
				2580	4380				
				6960					
6960 W/240 V = 29.0 AMP									

SERVICE PEDESTAL SCHEDULE #2

LOCATION: EAST SIDE OF 'F' STREET, 215' SOUTH OF JACKSON AVENUE
SERVICE PANEL: 120/240 V, 1-PHASE, 3-WIRE, 200-AMP MAIN CB
MAIN INTERRUPTING RATING 10,000 RMS SYM AMPS (USD 335.S2)

POLE SPACE CKT #	#	CIRCUIT USE	CKT BRK RATING	CONNECTED LOAD VA A	B	CKT BRK RATING	CIRCUIT USE	POLE SPACE CKT #	#
	1	MAIN		---					
					---		MAIN	2	
	3	MAIN		---					
					1800	15	PHOTOCELL	4	
	5	BY-PASS SWITCH		---					
						60	ST LTG (CKT#1)	6	1
1	7	ST LTG (CKT#1)	60	2580	2580				
					---		SPARE	8	
	9	SPARE	15	---					
					---		SPACE	10	
				2580	4380				
				6960					
6960 W/240 V = 29.0 AMP									

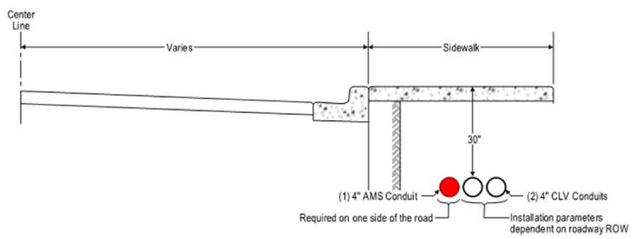
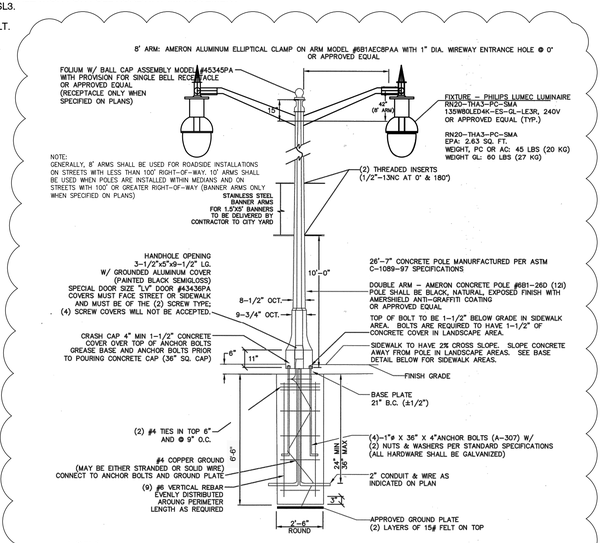


Figure C1 – Standard CLV/AMS Conduit Duct Bank Installation for Full Roadway Improvement Projects



STREETLIGHT DETAIL
NO SCALE
REF: USD 342.1, 342, & 343

APPROVED FOR CONSTRUCTION

MAINTAIN A MINIMUM 3' PARALLEL SEPARATION

MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT NO. 137435 FIRST APPROVED DATE: _____

NO.	DATE	SHEET	REVISIONS
1 ⚠	9/15/22	JH	BACK TO ORIGINAL DETAIL
2 ⚠	8/4/22	JH	FOOTING DIMENSIONS IN STREETLIGHT DETAIL

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS NV 89123
T 702.320.3600

PROFESSIONAL ENGINEER
STATE OF NEVADA
STEVEN W. LEUNG
EXP: 12/31/23
CIVIL
NO. 024192
2/23/22

TITLE
JACKSON AVENUE
H STREET TO C STREET

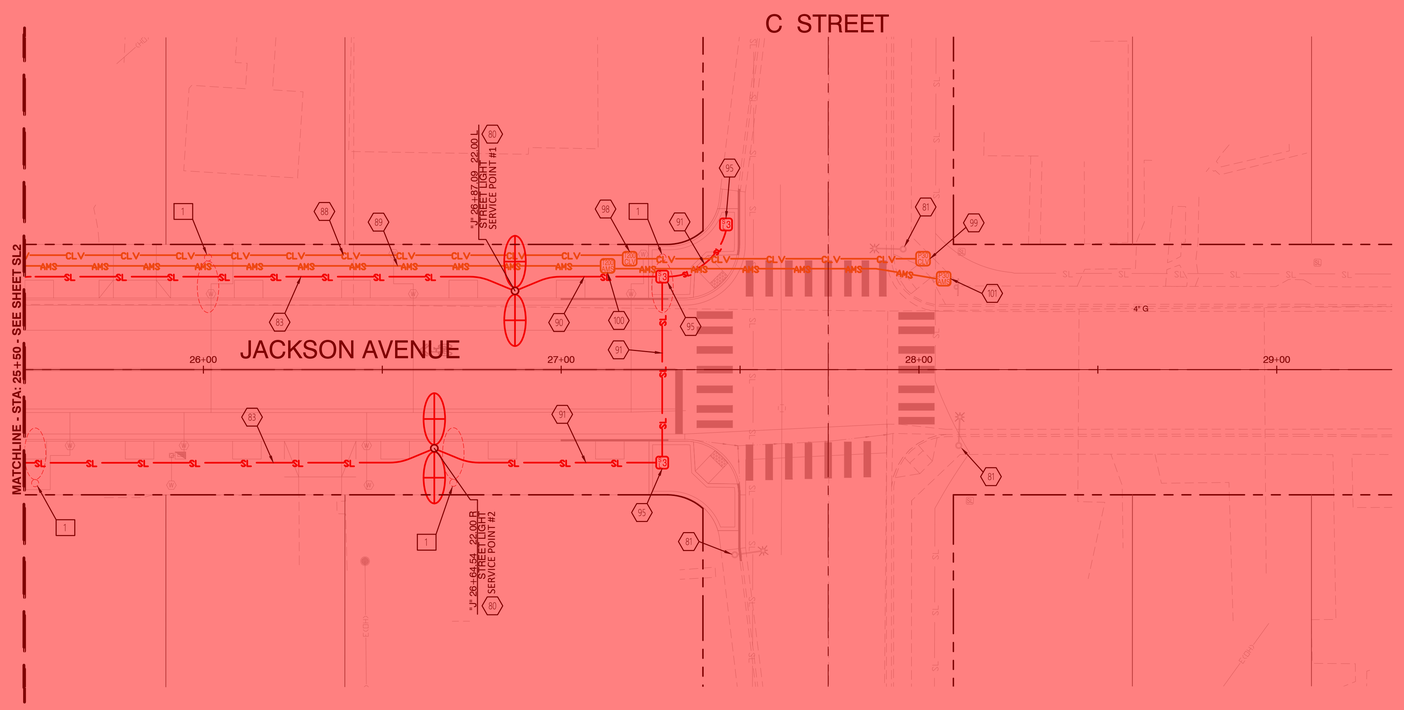
SHEET
LIGHTING & INTERCONNECT PLAN
STA: "J" 25+50 TO STA: "J" 29+50

PREPARED FOR
CITY OF LAS VEGAS

BID #	MWA #	SUBMITTAL STAGE:	DATE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
21.MWA400-C	400	FINAL	FEB-2022	MAK	DAB	MAD

SHEET
SL3
49 OF 59
DRAWING NO.
107V8328

9/9/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\7 PRODUCTION\MWA400SL3.DWG



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

NORTH

NOTE:

SEE STREETLIGHT NOTES AND LEGEND ON SHEET SL1.

LIGHTING REMOVAL NOTES:

1 REMOVE AND SALVAGE STREETLIGHT AND DELIVER TO CLV. REMOVE FOUNDATION ENTIRELY.

LIGHTING CONSTRUCTION NOTES:

81 CONSTRUCT STREETLIGHT FOUNDATION. INSTALL STREET LIGHT ASSEMBLY (DUAL FIXTURE). SEE SHEET SL3 FOR DETAILS.

91 EXISTING STREET LIGHT TO REMAIN

83 INSTALL 2" STREETLIGHT CONDUIT W/ 2#4 & 1#8 THW STREETLIGHT CONDUCTORS.

93 INSTALL 2" STREETLIGHT CONDUIT W/ 1#8 TRACER WIRE.

95 INSTALL STREET LIGHT PULL BOX No.3 1/2.

CLV FIBER OPTIC CONSTRUCTION NOTE:

88 INSTALL 2-4"C, 1#8 TRACER WIRE IN EACH CONDUIT. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.

98 INSTALL TYPE 200 VAULT.

95 INSTALL P30 PULL BOX.

AMS FIBER OPTIC CONSTRUCTION NOTE:

89 INSTALL 4"C, 1#8 TRACER WIRE. SEE FIGURE C-1 FOR STANDARD CLV/AMS CONDUIT DUCT BANK INSTALLATION FOR FULL ROADWAY IMPROVEMENT PROJECTS ON SHEET SL3.

100 INSTALL TYPE 200 VAULT.

101 INSTALL P30 PULL BOX.

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

SERVICE PEDESTAL SCHEDULE #1

LOCATION: EAST SIDE OF 'F' STREET, 156' NORTH OF JACKSON AVENUE
SERVICE PANEL: 120/240 V, 1-PHASE, 3-WIRE, 200-AMP MAIN CB
MAIN INTERRUPTING RATING 10,000 RMS SYM AMPS. (USD 335.S2)

POLE SPACE CKT #	#	CIRCUIT USE	CKT BRK RATING	CONNECTED LOAD VA A	B	CKT BRK RATING	CIRCUIT USE	POLE SPACE CKT #	#
	1	MAIN		---					
					---		MAIN	2	
	3	MAIN		---					
					1800	15	PHOTOCELL	4	
	5	BY-PASS SWITCH		---					
						60	ST LTG (CKT#1)	6	1
1	7	ST LTG (CKT#1)	60	2580	2580				
					---		SPARE	8	
	9	SPARE	15	---					
					---		SPACE	10	
				2580	4380				
				6960					

6960 W/240 V = 29.0 AMP

SERVICE PEDESTAL SCHEDULE #2

LOCATION: EAST SIDE OF 'H' STREET, 156' NORTH OF JACKSON AVENUE
SERVICE PANEL: 120/240 V, 1-PHASE, 3-WIRE, 200-AMP MAIN CB
MAIN INTERRUPTING RATING 10,000 RMS SYM AMPS (USD 335.S2)

POLE SPACE CKT #	#	CIRCUIT USE	CKT BRK RATING	CONNECTED LOAD VA A	B	CKT BRK RATING	CIRCUIT USE	POLE SPACE CKT #	#
	1	MAIN		---					
					---		MAIN	2	
	3	MAIN		---					
					1800	15	PHOTOCELL	4	
	5	BY-PASS SWITCH		---					
						60	ST LTG (CKT#1)	6	1
1	7	ST LTG (CKT#1)	60	2580	2580				
					---		SPARE	8	
	9	SPARE	15	---					
					---		SPACE	10	
				2580	4380				
				6960					

6960 W/240 V = 29.0 AMP

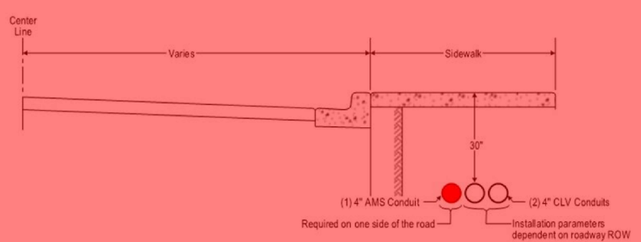
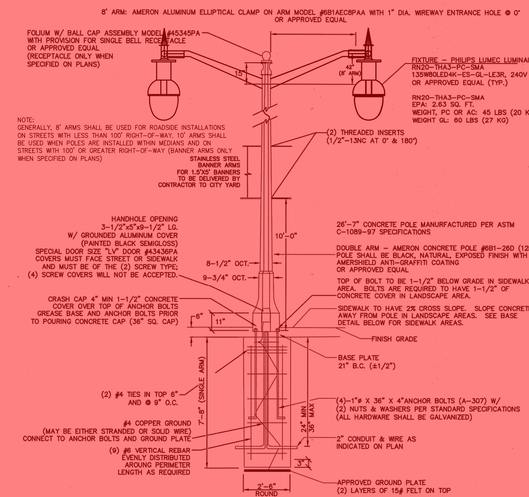


Figure C1 – Standard CLV/AMS Conduit Duct Bank Installation for Full Roadway Improvement Projects



STREETLIGHT DETAIL
NO SCALE
REF: USD 342.1, 342, & 343

MAINTAIN A MINIMUM 3' PARALLEL SEPARATION

MAINTAIN A MINIMUM 12" VERTICAL SEPARATION AT ALL POINTS OF CROSSING

APPROVED FOR CONSTRUCTION

Jason N. Shadery

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT NO. 137435 FIRST APPROVED DATE: 3/1/2022

Sheet updated 09/15/22

REVISIONS

NO.	DATE	SHEET

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.320.3500
SUITE 200
LAS VEGAS NV 89123

REVISED

TITLE

JACKSON AVENUE
H STREET TO C STREET

SHEET

LIGHTING & INTERCONNECT PLAN
STA: "J" 25+50 TO STA: "J" 29+50

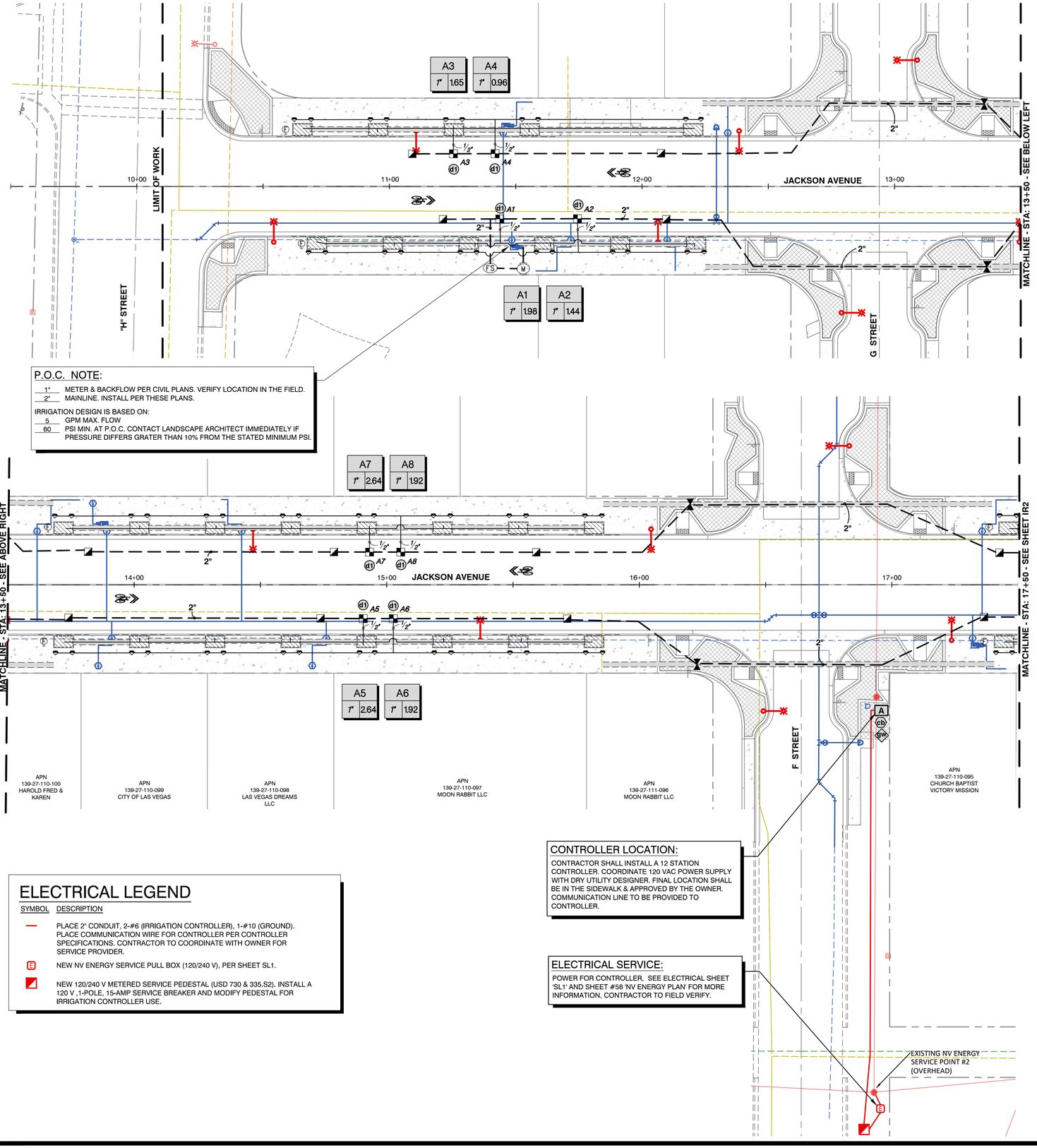
PREPARED FOR
CITY OF LAS VEGAS

BID #	21.MWA400-C
MWA #	400
SUBMITTAL STAGE:	FINAL
DATE:	FEB-2022
DESIGNED BY:	MAK
DRAWN BY:	DAB
CHECKED BY:	MAD

SHEET
SL3
49 OF 59

DRAWING NO.
107V8328

2/23/22 J:\V3853\8144_CITY_LAS_VEGAS\JACKSON_AVENUE_DAC\CIVIL\DWG\MWA400\7 PRODUCTION\MWA400SL.DWG



P.O.C. NOTE:

1" METER & BACKFLOW PER CIVIL PLANS. VERIFY LOCATION IN THE FIELD.
2" MAINLINE. INSTALL PER THESE PLANS.

IRRIGATION DESIGN IS BASED ON:
5 GPM MAX. FLOW
60 PSI MIN. AT P.O.C. CONTACT LANDSCAPE ARCHITECT IMMEDIATELY IF PRESSURE DIFFERS GRATER THAN 10% FROM THE STATED MINIMUM PSI.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
—	PLACE 2" CONDUIT, 2-#6 (IRRIGATION CONTROLLER), 1-#10 (GROUND). PLACE COMMUNICATION WIRE FOR CONTROLLER PER CONTROLLER SPECIFICATIONS. CONTRACTOR TO COORDINATE WITH OWNER FOR SERVICE PROVIDER.
E	NEW NV ENERGY SERVICE PULL BOX (120/240 V), PER SHEET SL1.
	NEW 120/240 V METERED SERVICE PEDESTAL (USD 730 & 335.S2). INSTALL A 120 V ,1-POLE, 15-AMP SERVICE BREAKER AND MODIFY PEDESTAL FOR IRRIGATION CONTROLLER USE.

CONTROLLER LOCATION:

CONTRACTOR SHALL INSTALL A 12 STATION CONTROLLER. COORDINATE 120 VAC POWER SUPPLY WITH DRY UTILITY DESIGNER. FINAL LOCATION SHALL BE IN THE SIDEWALK & APPROVED BY THE OWNER. COMMUNICATION LINE TO BE PROVIDED TO CONTROLLER.

ELECTRICAL SERVICE:

POWER FOR CONTROLLER. SEE ELECTRICAL SHEET 'SL1' AND SHEET #58 'NV ENERGY PLAN' FOR MORE INFORMATION, CONTRACTOR TO FIELD VERIFY.

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

SEE SHEET IR3 FOR IRRIGATION NOTES

SEE SHEET IR3 & IR4 FOR IRRIGATION DETAILS

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3GPM TO 20GPM.
(F)	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.
0.5 1.0 2.0	RAIN BIRD EMT-6XERI W/ XERI-BUG MULTI OUTLET EMITTER MULTI-OUTLET EMITTER WITH 6 XERI-BUG EMITTERS. BLUE=0.5GPH, BLACK=1.0GPH, RED=2.0GPH.
	AREA TO RECEIVE DRIPLINE NETAFIM TLCV-06-12 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.6 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	RAIN BIRD 44-NP 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING NON-POTABLE PURPLE RUBBER COVER, AND 2-PIECE BODY.
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"
(M)	RAIN BIRD PEB-PRS-D 1" 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PRESSURE REGULATOR MODULE.
	BACKFLOW PREVENTER 1" 1" REDUCED PRESSURE BACKFLOW PREVENTER MODEL PER LVVWD APPROVED PRODUCTS LIST
A	RAIN BIRD ESP-LXD-LXMMPED FLOW SENSING TWO-WIRE DECODER COMMERCIAL CONTROLLER. 50 STATIONS. UV-RESISTANT, OUTDOOR-RATED, POWDER-COATED METAL PEDESTAL CASE. AVAILABLE IN THE US MARKET, INTERNATIONAL, EUROPEAN, OR AUSTRALIAN MARKETS.
d1	RAIN BIRD FD-101TURF FIELD DECODER FOR TWO-WIRE SYSTEM. INSTALL IN VALVE BOX FOR VALVE. OPERATES ONE VALVE/SOLENOID. USE LINE SURGE PROTECTION AS PER MANUFACTURER`S DIRECTIONS.
cb	RAIN BIRD LXMMSSPED STAINLESS STEEL PEDESTAL FOR ESP-LX SERIES CONTROLLERS.
GW	RAIN BIRD MGP-1 PROVIDES A MOUNTING LOCATION FOR MSP-1 OR OTHER GROUNDING WIRES DIRECTLY TO A GROUNDING ROD OR PIPE. INSTALLED ON GROUNDING ROD OR PIPE. SURGE PROTECTION FOR TWO-WIRE SATELLITE AND DECODER SYSTEMS.
FS	CREATIVE SENSOR TECHNOLOGY ELF-T10-N01 ENHANCED LOW FLOW SENSOR WITH 2-WIRE FREQUENCY, 1" MALE NPT THREADED CONNECTION, FLOW RANGE BETWEEN 0.20GPM-20GPM
X X	CAP FOR FUTURE USE CAP AT THE MAINLINE OR LATERAL LINE FOR FUTURE USE. THE PRESSURE AND FLOW PROVIDED TO THAT LOCATION ARE INDICATED NEXT TO THE CAP SYMBOL.
W	WATER METER 1" SEE CIVIL PLANS FOR METER INFORMATION.
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40

Valve Callout
Valve Number
Valve Flow
Valve Size

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

REGISTERED LANDSCAPE ARCHITECT
BRET W. KAZINEC
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

TITLE
JACKSON AVENUE
H STREET TO C STREET

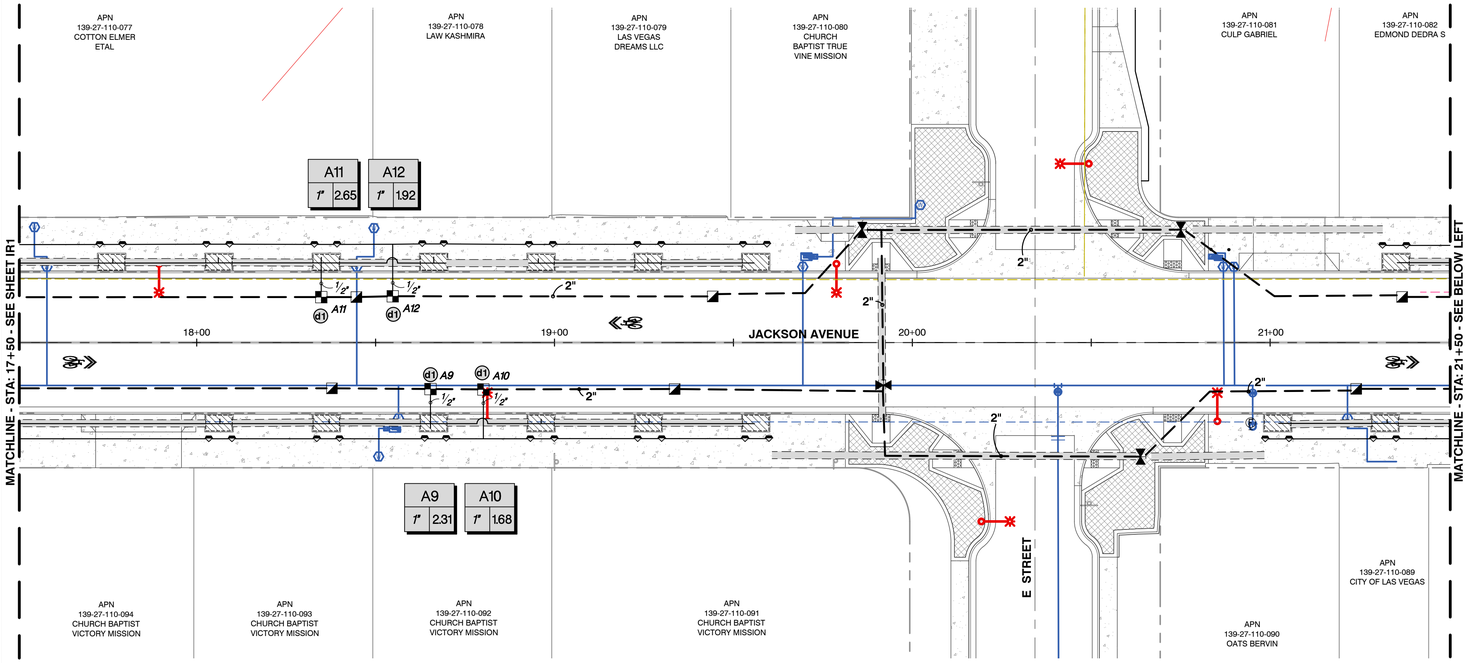
SHEET
IRRIGATION PLAN
STA: "J" 9+50 TO STA: "J" 17+50

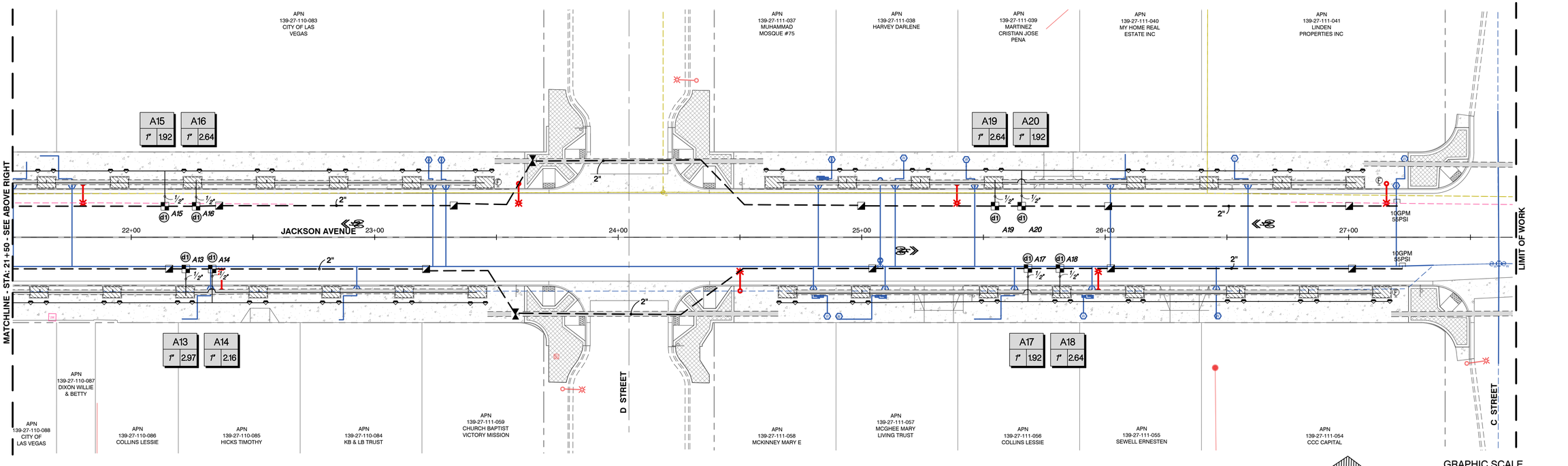
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
IR1
50 OF 59
DRAWING NO.
107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400\7_PRODUCTION\MWA400IR1.DWG



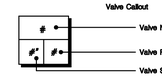


IRRIGATION SCHEDULE

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	PIPE SLEEVE: PVC SCHEDULE 40

Valve Callout



SEE SHEET IR3 FOR IRRIGATION NOTES

SEE SHEET IR3 & IR4 FOR IRRIGATION DETAILS

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
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NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.260.3690

REGISTERED LANDSCAPE ARCHITECT
STACEY W. KALINOWSKI
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
IRRIGATION PLAN
STA: "J" 17+50 TO STA: "J" 27+75

PREPARED FOR
CITY OF LAS VEGAS

DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET
IR2
51 OF 59

DRAWING NO.
107V8328

J:\JOBS\8944_CITY_LAS_VEGAS\JACKSON_AVENUE_DK\CIVIL\DWG\MWA400\ 2/23/22

CONTROLLER IRRIGATION SCHEDULE

									ESTABLISHMENT PERIOD (6 MONTHS) RUN TIME IN MINUTES PER DAY												MAINTENANCE PERIOD RUN TIME IN MINUTES PER DAY											
VALVE	GPM	PLANT TYPE	PLANT FACTOR	IRRIGATION METHOD	IRRIGATION EFFICIENCY	DESIGN PRESSURE (PSI)	PRECIP RATE (IN/HR)	WATERING DAYS PER WEEK	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A1	1.98	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A2	1.44	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A3	1.65	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A4	0.96	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A5	2.64	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A6	1.92	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A7	2.64	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A8	1.92	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A9	2.31	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A10	1.68	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A11	2.65	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A12	1.92	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A13	2.97	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A14	2.16	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A15	1.92	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A16	2.64	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A17	1.92	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A18	2.64	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A19	2.64	TREE	0.3	INLINE DRIP	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15
A20	1.92	TREE	0.3	POINT SOURCE	0.75	30	0.43	5	16	30	53	82	98	128	124	105	83	55	28	18	14	25	44	69	82	107	103	87	69	46	23	15

CONTROLLER SCHEDULE NOTES:

1 RUN TIME IN MINUTES PER DAY SHALL OCCUR ON EACH WATERING DAY PER WEEK.
IRRIGATION REQUIRED = WEEKLY ETO*PF/ IE
RUNTIME = IR*60/PR*WATERING DAYS

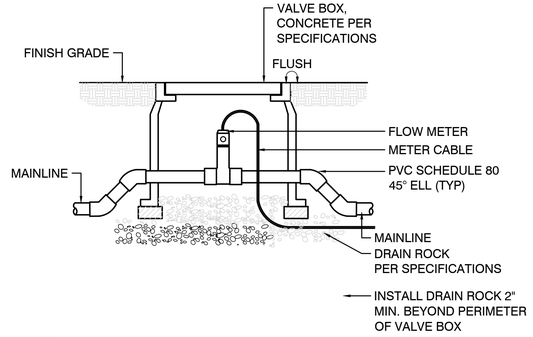
2 CONTROLLERS SHALL BE PROGRAMMED USING MULTIPLE PROGRAM FEATURES IN ORDER TO OBTAIN THE MAXIMUM FLOW DEMAND. IF NECESSARY, PROGRAM MULTIPLE VALVES TO RUN SIMULTANEOUSLY SO THAT THE MAXIMUM FLOW

3 RUN TIMES IN MINUTES PER DAY SHALL BE DIVIDED INTO THE NECESSARY AMOUNT OF CYCLES TO AVOID RUNOFF.

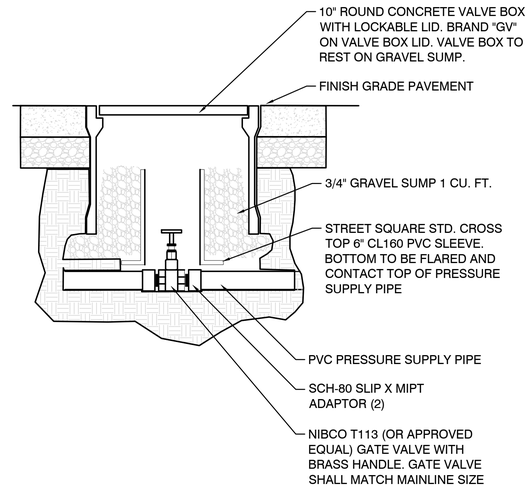
4 REFER TO MODEL WATER EFFICIENT LANDSCAPE ORDINANCE CALCULATIONS FOR ADDITIONAL WATER USE AND EVAPOTRANSPIRATION INFORMATION.

IRRIGATION NOTES

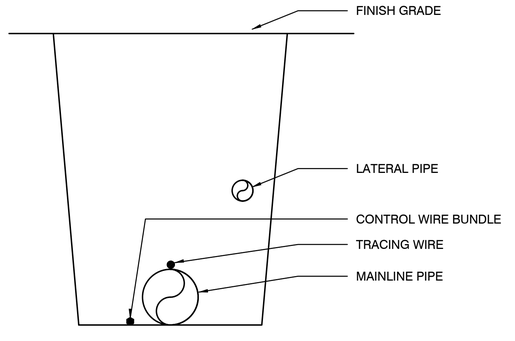
1. THE DESIGN OF THE IRRIGATION SYSTEM IS DIAGRAMMATIC. CONTRACTOR MUST MAKE NECESSARY FIELD ADJUSTMENTS TO GUARANTEE HEAD-TO-HEAD COVERAGE FOR ALL PLANTER AND TURF AREAS. CONTRACTOR MUST ALSO MAKE MINOR ADJUSTMENTS TO ACCOMMODATE FIELD CONDITIONS NOT SPECIFICALLY NOTED ON THE PLANS AND TO MINIMIZE OVERSPRAY ONTO AREAS ADJACENT TO THE IRRIGATION SYSTEM.
2. THE IRRIGATION SYSTEM IS DESIGNED WITH A MINIMUM OPERATING PRESSURE STATED ON THE DRAWINGS. CONTRACTOR SHALL TEST THE AVAILABLE STATIC WATER PRESSURE AND NOTIFY THE LANDSCAPE ARCHITECT OF A ANY CONFLICTS BETWEEN STATED PRESSURE AND ACTUAL PRESSURE. CONTRACTOR IS RESPONSIBLE FOR MODIFICATIONS TO THE SYSTEM DESIGN IN THE EVENT OF INADEQUATE PRESSURE.
3. IRRIGATION TAP SHALL BE INSTALLED PER CIVIL PLANS.
4. LOCATION OF THE IRRIGATION CONTROLLER SHALL BE INCONSPICUOUS AND PLACED IN PLANTER AREAS AND SCREENED WITH PLANT MATERIAL WHERE POSSIBLE.
5. ALL IRRIGATION MAINLINES LATERAL LINES SHALL BE FLUSHED PRIOR TO INSTALLATION OF SPRINKLERS.
6. CONTRACTOR MUST CONTACT LANDSCAPE ARCHITECT TO SCHEDULE AN IRRIGATION COVERAGE TEST A MINIMUM OF 48 HOURS PRIOR TO THE MEETING DATE. LANDSCAPE ARCHITECT WILL PROVIDE CONTRACTOR WRITTEN APPROVAL OF THE IRRIGATION COVERAGE PRIOR TO INSTALLATION OF PLANT MATERIAL. ANY PLANT MATERIAL INSTALLED PRIOR TO IRRIGATION COVERAGE APPROVAL BY LANDSCAPE ARCHITECT IS SUBJECT TO REMOVAL PENDING MODIFICATIONS TO THE IRRIGATION SYSTEM.
7. THE IRRIGATION CONTRACTOR SHALL NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTION OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN DURING THE DESIGN PROCESS. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE, OTHERWISE THE IRRIGATION CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.



A FLOW SENSOR
N.T.S.

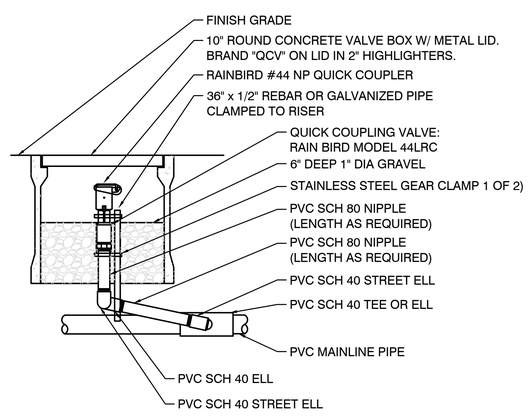


B GATE VALVE
N.T.S.



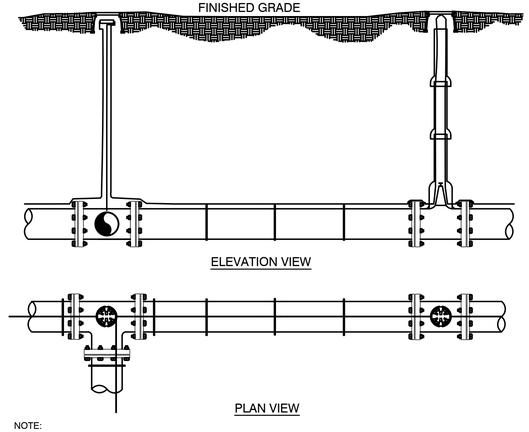
NOTE:
1. REFER TO DETAIL D/IR3 FOR COVERAGE DEPTH TO BURIED PIPE AND WIRE.

F TRENCHING DETAIL
SCALE: NTS



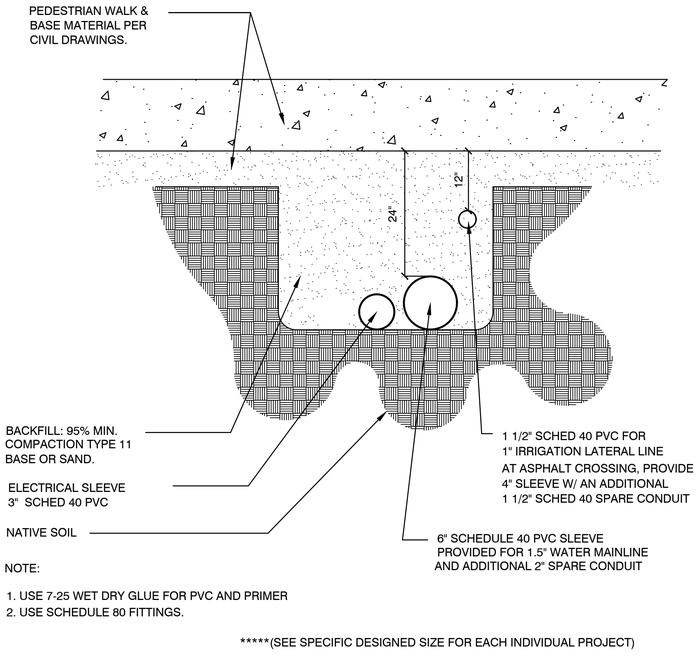
NOTE:
FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

C QUICK COUPLING VALVE
N.T.S.



NOTE:
1. COPPER TRACING WIRE WILL START AT THE POINT-OF-CONNECTION AND WILL BE ROUTED WITH ALL MAINLINE PIPE.
2. SPLICE TRACING WIRE IN IRRIGATION MAINLINE COMPONENT VALVE BOXES WHEN POSSIBLE, OTHERWISE, PLACE SPLICE IN SEPARATE VALVE BOX.

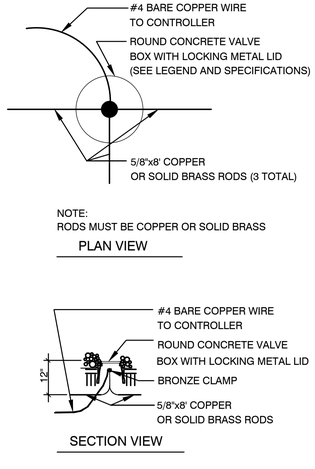
G TRACING WIRE INSTALLATION
SCALENTS



NOTE:
1. USE 7-25 WET DRY GLUE FOR PVC AND PRIMER
2. USE SCHEDULE 80 FITTINGS.

*****(SEE SPECIFIC DESIGNED SIZE FOR EACH INDIVIDUAL PROJECT)

D SLEEVE TRENCHING DETAIL
SCALE: NTS



NOTE:
RODS MUST BE COPPER OR SOLID BRASS

E CONTROLLER GROUNDING ASSEMBLY
SCALE: NTS

REVISIONS | NO. | DATE | SHEET

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

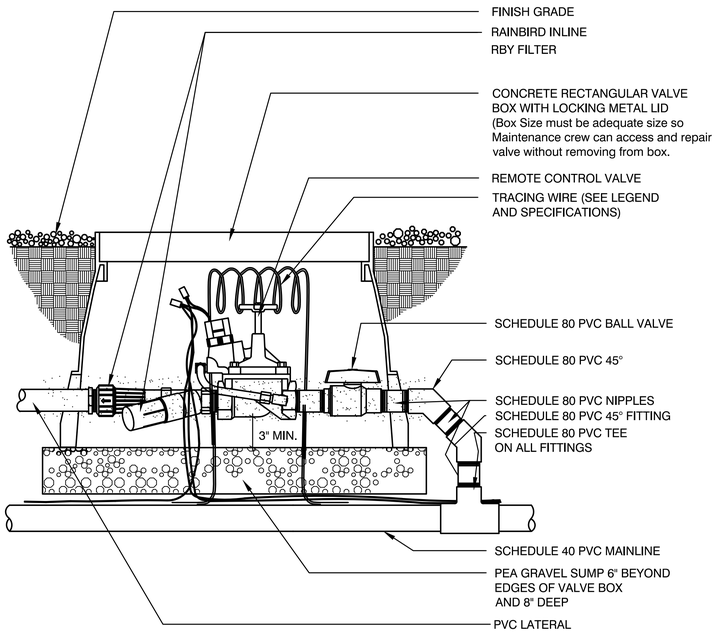
REVISED LANDSCAPE ARCHITECT
CASEY W. KALINEC
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

TITLE: JACKSON AVENUE H STREET TO C STREET
SHEET: IRRIGATION NOTES, SCHEDULE, & DETAILS

PREPARED FOR: CITY OF LAS VEGAS
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD
BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

SHEET IR3
52 OF 59
DRAWING NO. 107V8328

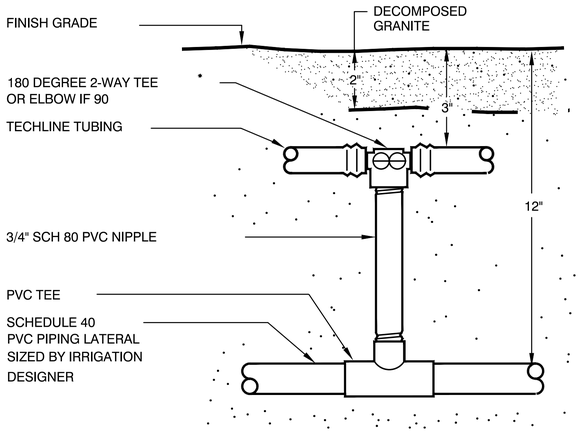
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1. CONFIRM RAINBIRD RECOMMENDATIONS TO ADJUST FLOW CONTROL STEMS AT FLOWS BELOW 10 GPM AT EACH VALVE THAT THIS IS APPLICABLE.

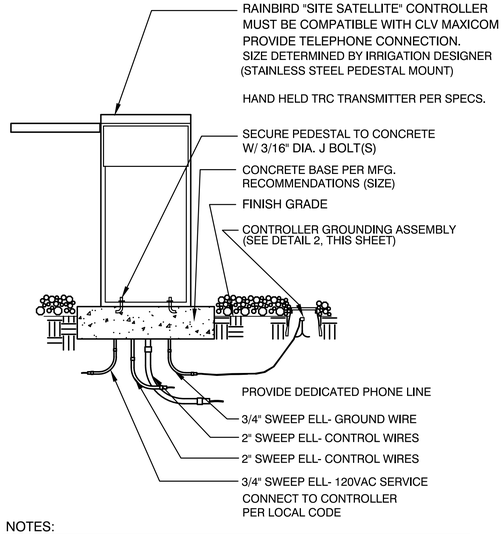
H DRIP REMOTE CONTROL VALVE ASSEMBY

SCALE: NTS



I START CONNECTION W PVC RISER

SCALE: NTS



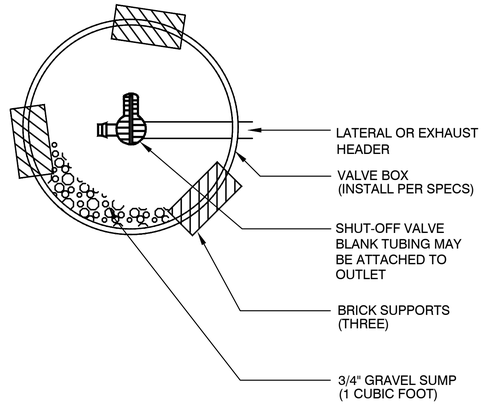
NOTES:

- CONTRACTOR TO GROUND AND PROVIDE SURGE PROTECTION FOR FIELD UNIT IN ACCORDANCE W/ MANUF. RECOMMENDATIONS AND GROUND ROD SHOWN (SEE DETAIL). CONTRACTOR SHALL INSTALL A 20A NON-FUSED DISCONNECT AND 120V DUPLEX RECEPTACLE INSIDE PEDESTAL.
- INSTALL CONTROLLER PER MFG. PRINTED INSTRUCTIONS AND PER LOCAL CODES. LOCATION SHOWN ON DRAWINGS OR APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.

PROVIDE PRE-WIRED UL LISTED CONTROLLER ASSEMBLY.

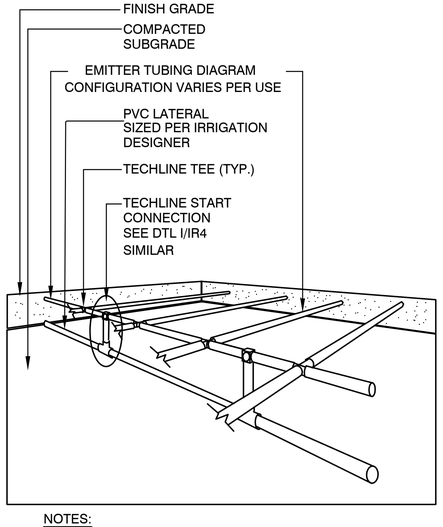
J "SITE SATELLITE" CONTROLLER ASSEMBLY

SCALE: NTS



K MANUAL LINE FLUSH VALVE

SCALE: NTS



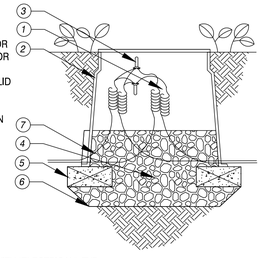
NOTES:
1. SEE SHEET L1 & L2 FOR PIPE SIZES PER VALVE.
2. SEE LEGEND ON SHEET L1 OR L2 FOR EQUIPMENT SPECIFIED FOR THE PROJECT.

L SUB-HEADER INSTALLATION DIAGRAM

SCALE:NTS

KEY

1. PROVIDE 2 FEET OF COILED WIRE SLACK FOR EASE OF EXTENDING OUT OF VALVE BOX FOR MAINTENANCE.
2. 14"X19" RECTANGULAR VALVE BOX. STAMP LID WITH THE WORD "ELECTRICAL".
3. SPLICES SHALL BE CONNECTED BY WIRE NUTS, SEALED WITH AQUA SEAL OR SILICON FILLED.
4. 3/4" MINUS GRAVEL SUMP - 8" MIN. DEPTH
5. BRICK SUPPORTS (4)
6. LANDSCAPE FABRIC
7. DIRECT BURIAL LOW VOLTAGE CONTROL WIRES



NOTES:

1. ALL WIRE SPLICE BOX LIDS TO BE STAMPED WITH "ELECTRICAL", TYP.
2. LOW VOLTAGE WIRES UNDER ROADWAYS MUST BE IN CONTINUOUS CONDUIT WITH 90 SCH. 40 PVC SWEEPS TERMINATING IN PULL BOXES.
3. ALL WIRE CONNECTIONS SHALL BE MADE USING DBR/Y-6 CONNECTIONS OR APPROVED EQUAL.
4. SPLICE BOX MAY BE COMBINED WITH ISOLATION GATE VALVES WHERE NECESSARY OR AS NOTED ON PLANS.

M *WIRE SPLICE WITHIN VALVE BOX*

N.T.S.

WR-IR-14

NO.	DATE	SHEET	REVISIONS
1	09/22		DETAIL HAS BEEN DELETED

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.220.3690
SUITE 200
LAS VEGAS NV 89123

REGISTERED LANDSCAPE ARCHITECT
GREY W. KAZINEC
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: IRRIGATION DETAILS

PREPARED FOR: CITY OF LAS VEGAS

BID # 21.MWA400-C | DATE: FEB-2022 | DESIGNED BY: MAK | DRAWN BY: DAB | CHECKED BY: MAD

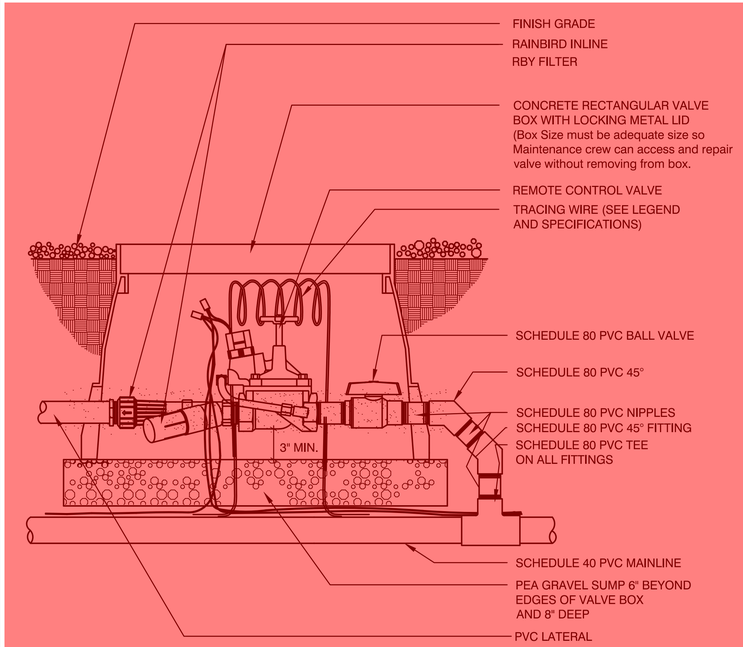
MWA # 400 | SUBMITTAL STAGE: FINAL

SHEET IR4

53 OF 59

DRAWING NO. 107V8328

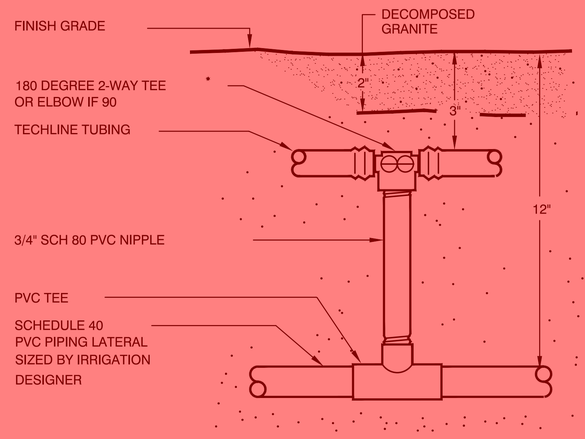
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1. CONFIRM RAINBIRD RECOMMENDATIONS TO ADJUST FLOW CONTROL STEMS AT FLOWS BELOW 10 GPM AT EACH VALVE THAT THIS IS APPLICABLE.

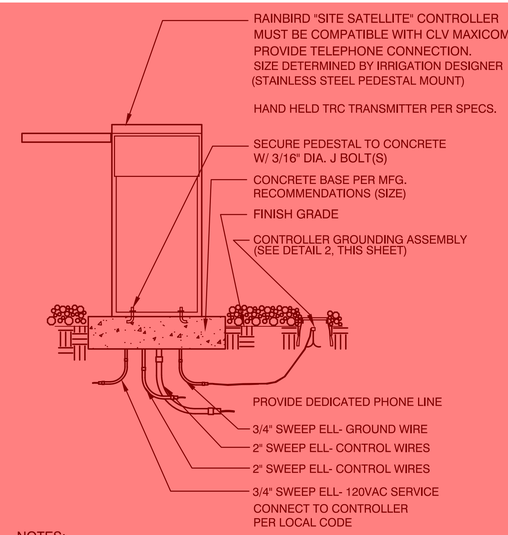
H DRIP REMOTE CONTROL VALVE ASSEMBY

SCALE: NTS



I START CONNECTION W PVC RISER

SCALE: NTS



NOTES:

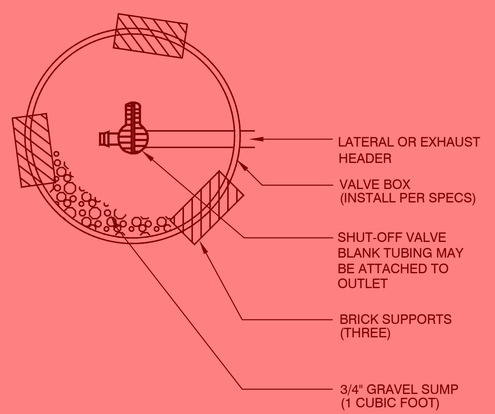
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PROVIDE PRE-WIRED UL LISTED CONTROLLER ASSEMBLY.

J "SITE SATELLITE" CONTROLLER ASSEMBLY

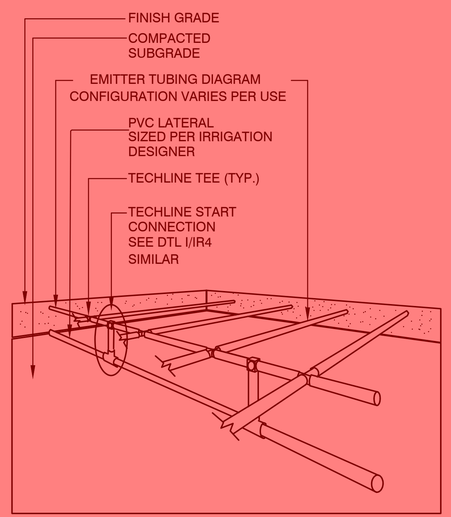
SCALE: NTS

Sheet updated 09/15/22



K MANUAL LINE FLUSH VALVE

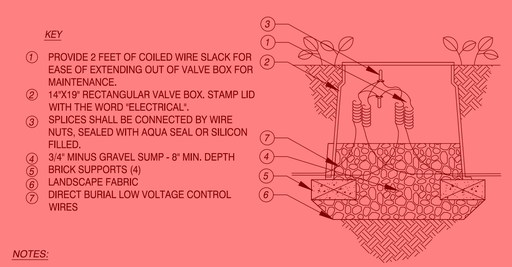
SCALE: NTS



NOTES:
1. SEE SHEET L1 & L2 FOR PIPE SIZES PER VALVE.
2. SEE LEGEND ON SHEET L1 OR L2 FOR EQUIPMENT SPECIFIED FOR THE PROJECT.

L SUB-HEADER INSTALLATION DIAGRAM

SCALE:NTS



KEY

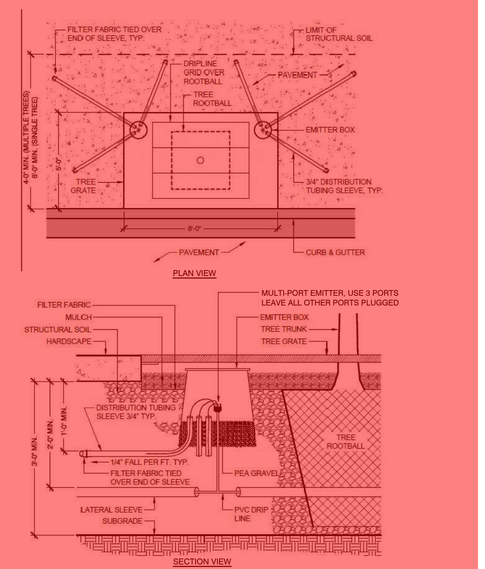
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6. LANDSCAPE FABRIC
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NOTES:

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M *WIRE SPLICE WITHIN VALVE BOX*

N.T.S. *WR-IR-14*



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PERFORM PERCOLATION TEST ON PLANTING PIT PER SPECIFICATIONS.
3. DO NOT APPLY WATER TO THE STRUCTURAL SOIL UNLESS THE TOP DRESSING IS IN PLACE.
4. CONTRACTOR TO MAKE CERTAIN THAT ALL IRRIGATION TUBING IS ALLOWING WATER TO FLOW THROUGH IT. VERIFY THAT TUBING IS NOT KINKED OR CRUSHED BY THE STRUCTURAL SOIL.
5. PROTECT STRUCTURAL SOIL FROM CONSTRUCTION ACTIVITIES UNTIL HARDSCAPE IS IN PLACE.

N STRUCTURAL SOIL TREE IRRIGATION

SCALE:NTS

REVISIONS

NO.	DATE	SHEET

REVISED

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
IRRIGATION DETAILS

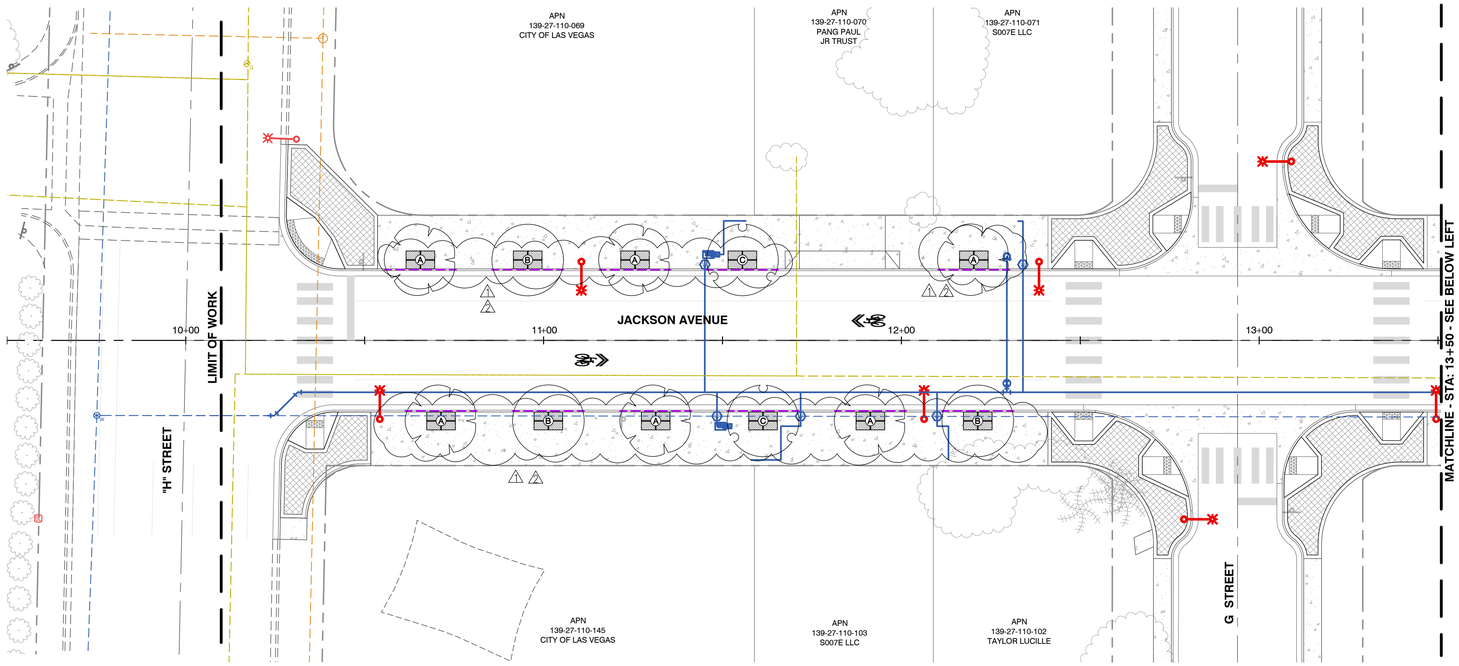
PREPARED FOR
CITY OF LAS VEGAS

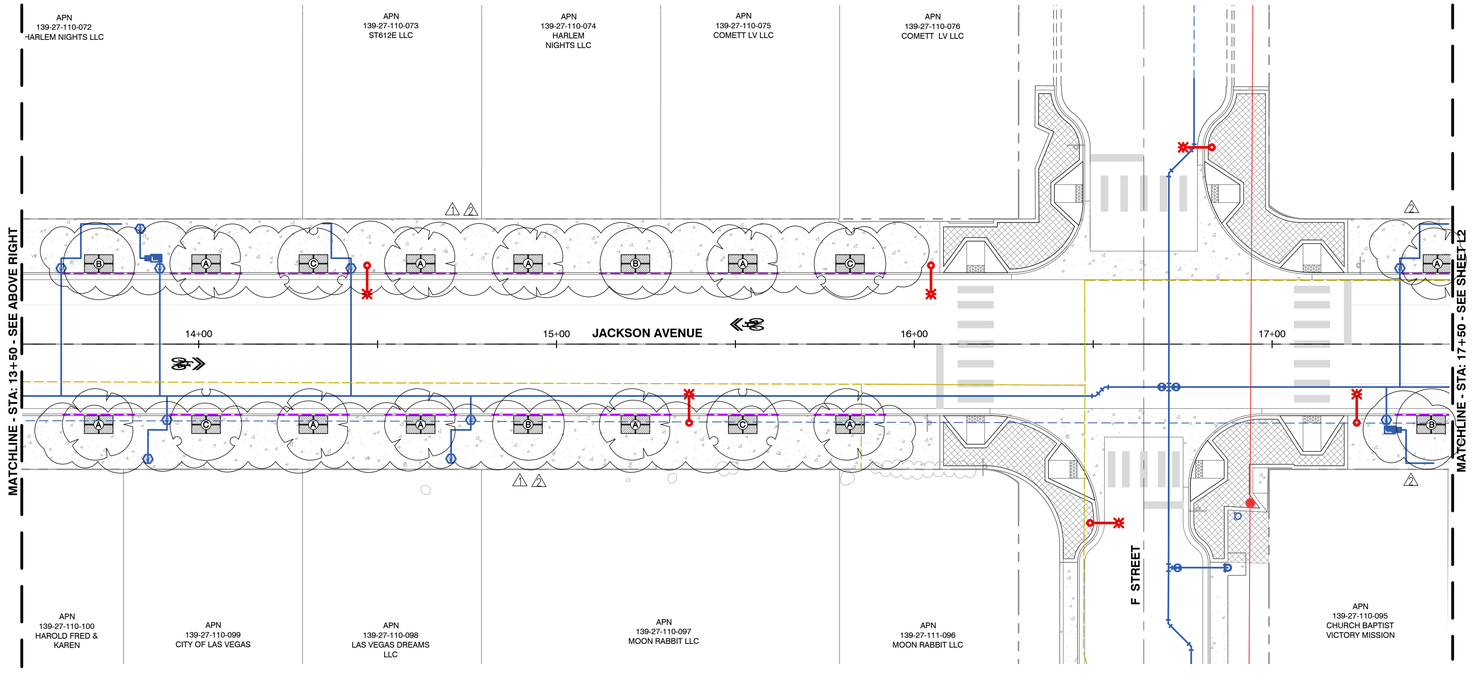
BID # 21.MWA400-C
MWA # 400
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD
SUBMITTAL STAGE: FINAL

SHEET
IR4
53 OF 59

DRAWING NO.
107V8328

I:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAM_CNA\DWG\MWA400\ - PRODUCTION\MWA400R.DWG
2/2/22





NORTH

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1" = 20'

(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE	QTY
B	RED PUSH PISTACHE MIN. CALIPER 2.5"	48"BOX	19
C	VACHELLIA FARNESIANA MIN. CALIPER 2.5"	48"BOX	18
A	EUCALYPTUS PAPUANA MIN. CALIPER 2.5"	48"BOX	38
	5'X8' TREE GRATE, SEE DETAILS E & G ON SHEET L4		75
	ROOT BARRIER		1,500 LF

SEE SHEET L3 & L4 FOR PLANTING DETAILS

SEE SHEET L3 FOR PLANTING NOTES

NO.	DATE	SHEET	REVISIONS
1	10/22		UPDATED TREE'S
2	09/22		REMOVED ENGINEERED SOIL AREA

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

REGISTERED LANDSCAPE ARCHITECT
GREGORY W. KAZINEC
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

PREPARED FOR
CITY OF LAS VEGAS

BID # **21.MWA400-C** | DATE: **FEB-2022** | DESIGNED BY: **MAK**
MWA # **400** | SUBMITTAL STAGE: **FINAL** | DRAWN BY: **DAB** | CHECKED BY: **MAD**

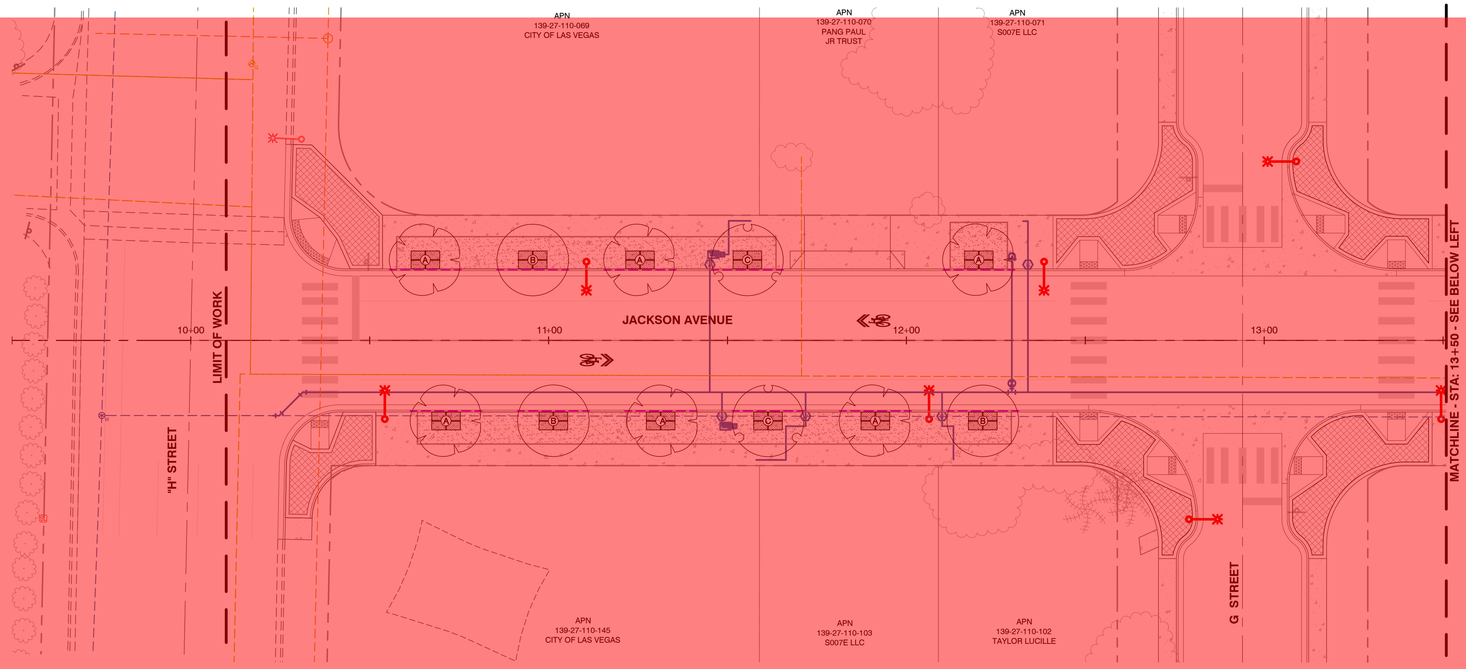
TITLE
JACKSON AVENUE
H STREET TO C STREET

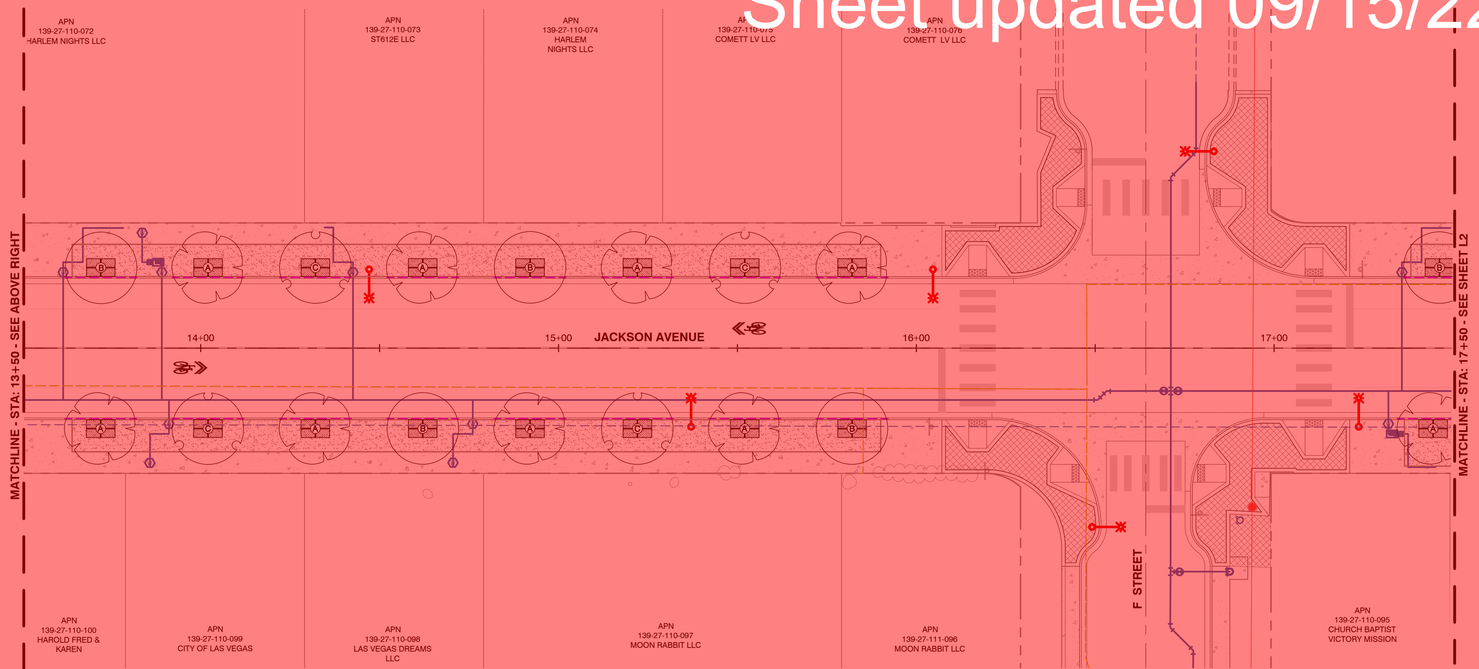
SHEET
LANDSCAPE PLANTING PLAN
STA: "J" 9+50 TO STA: "J" 17+50

SHEET
L1
54 OF **59**

DRAWING NO.
107V8328

10/3/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CIA\CIVIL\DWG\MWA400\7. PRODUCTION\MWA400-L.DWG





Sheet updated 09/15/22

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE	QTY
B	CELTIS OCCIDENTALIS / COMMON HACKBERRY MIN. CALIPER 2.5"	48"BOX	19
C	PISTACIA X `RED PUSH` / PISTACHE MIN. CALIPER 2.5"	48"BOX	18
A	QUERCUS DOUGLASII / BLUE OAK MIN. CALIPER 2.5"	48"BOX	38
	ENGINEERED SOIL AREA, SEE DETAILS F & H ON SHEET L4		21,751 SF
	5'X8' TREE GRATE, SEE DETAILS E & G ON SHEET L4		75
	ROOT BARRIER		1,500 LF

SEE SHEET L3 & L4 FOR PLANTING DETAILS

SEE SHEET L3 FOR PLANTING NOTES

REVISIONS

NO.	DATE	SHEET

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 200
LAS VEGAS NV 89123
T 702.220.3690

REVISED

TITLE
JACKSON AVENUE
H STREET TO C STREET

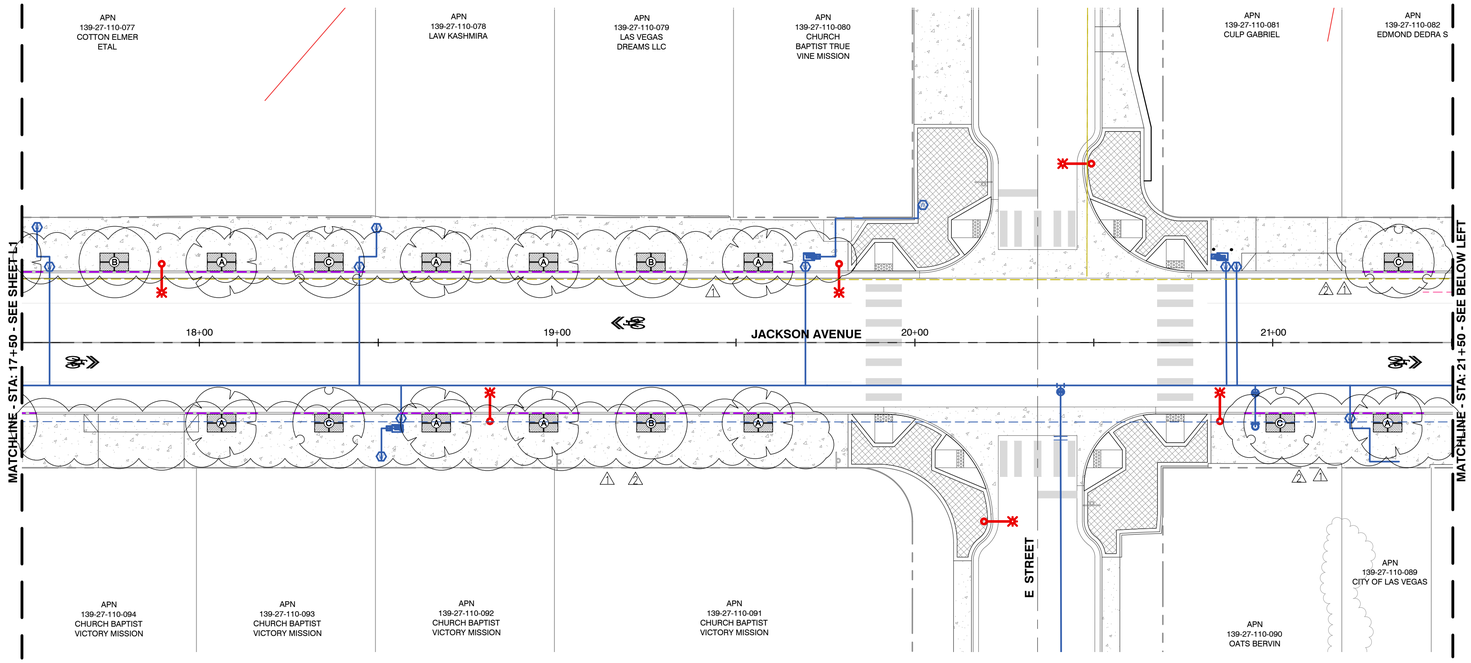
SHEET
LANDSCAPE PLANTING PLAN
STA: "J" 9+50 TO STA: "J" 17+50

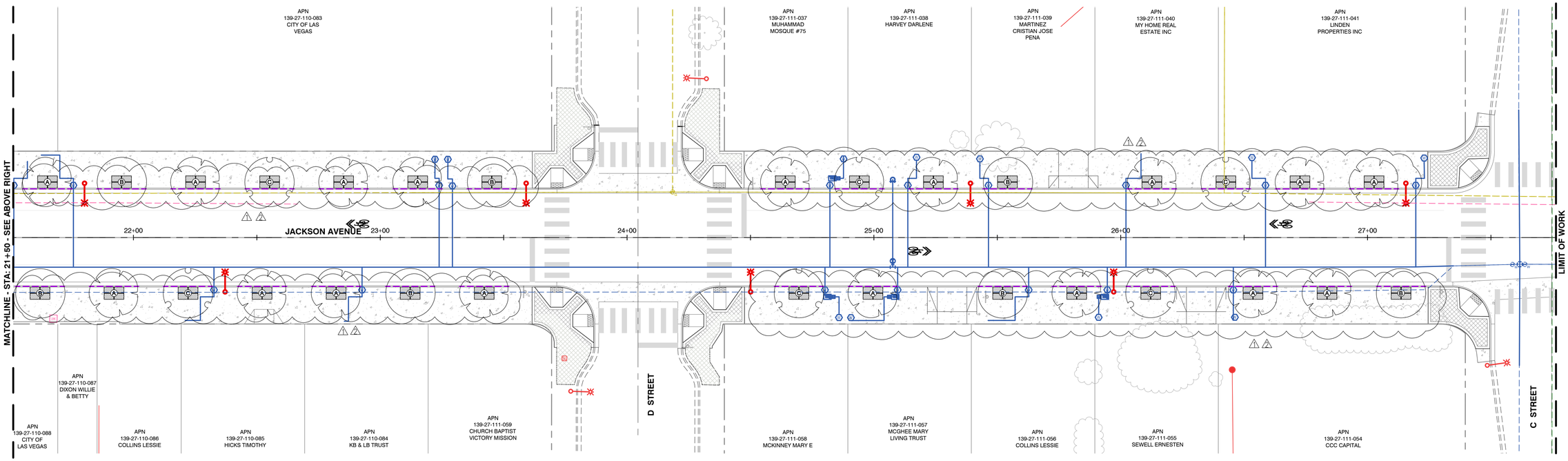
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
L1
54 OF 59
DRAWING NO.
107V8328

J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_DAI\CIVIL\DWG\MWA400\1 PRODUCTION\MWA400LA.DWG
2/23/22





SEE SHEET L3 & L4 FOR PLANTING DETAILS

SEE SHEET L3 FOR PLANTING NOTES

NORTH

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

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NO.	DATE	SHEET	REVISIONS
1	10/22		UPDATED TREE'S
2	09/22		REMOVED ENGINEERED SOIL AREA

PREPARED BY

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.260.3690

REGISTERED LANDSCAPE ARCHITECT
PREET W. KALINEC
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

PREPARED FOR
CITY OF LAS VEGAS

DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

BID # 21.MWA400-C
MWA # 400
SUBMITTAL STAGE: FINAL

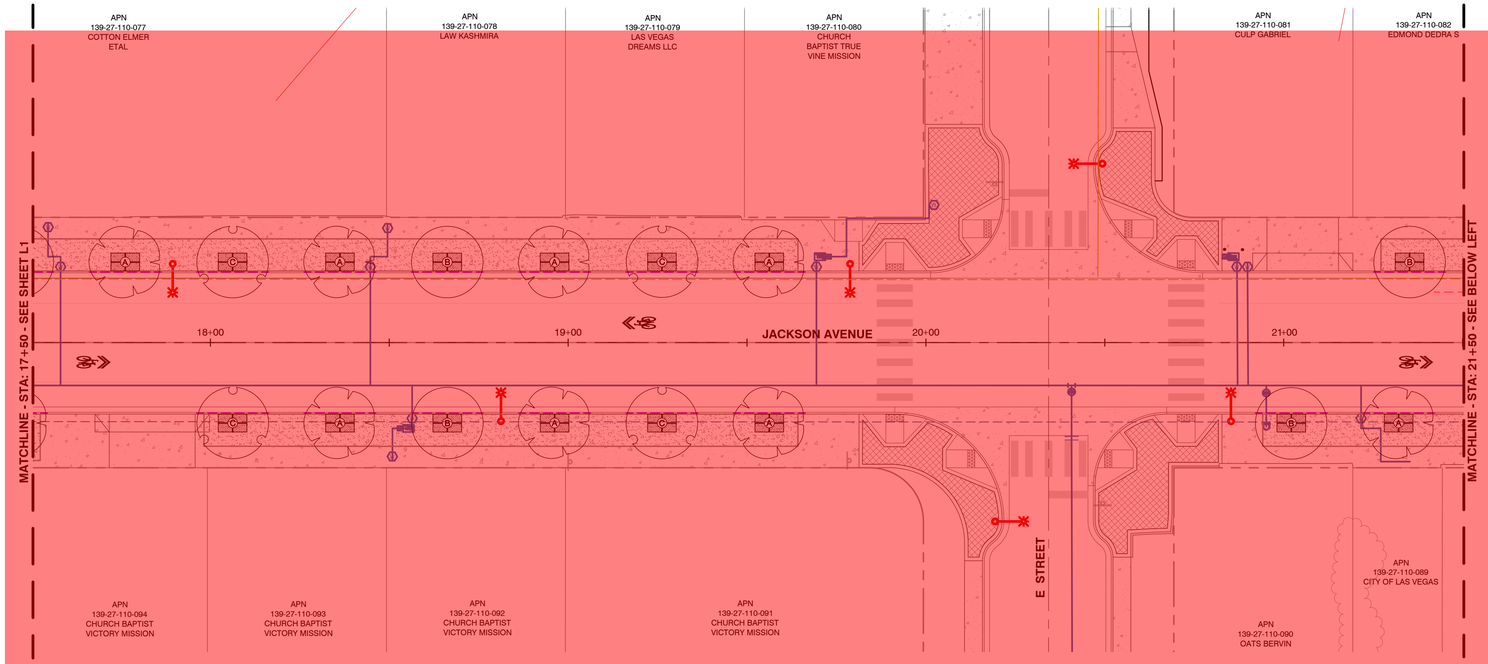
TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
LANDSCAPE PLANTING PLAN
STA: "J" 17+50 TO STA: "J" 27+75

SHEET
L2
55 OF 59

DRAWING NO.
107V8328

10/3/22 J:\JOBS\B\MA_CITY_LAS_VEGAS\JACKSON_AVENUE_CIA\CIVIL\DWGS\MWA400\T_PRODUCTION\MWA400_L.DWG



NORTH

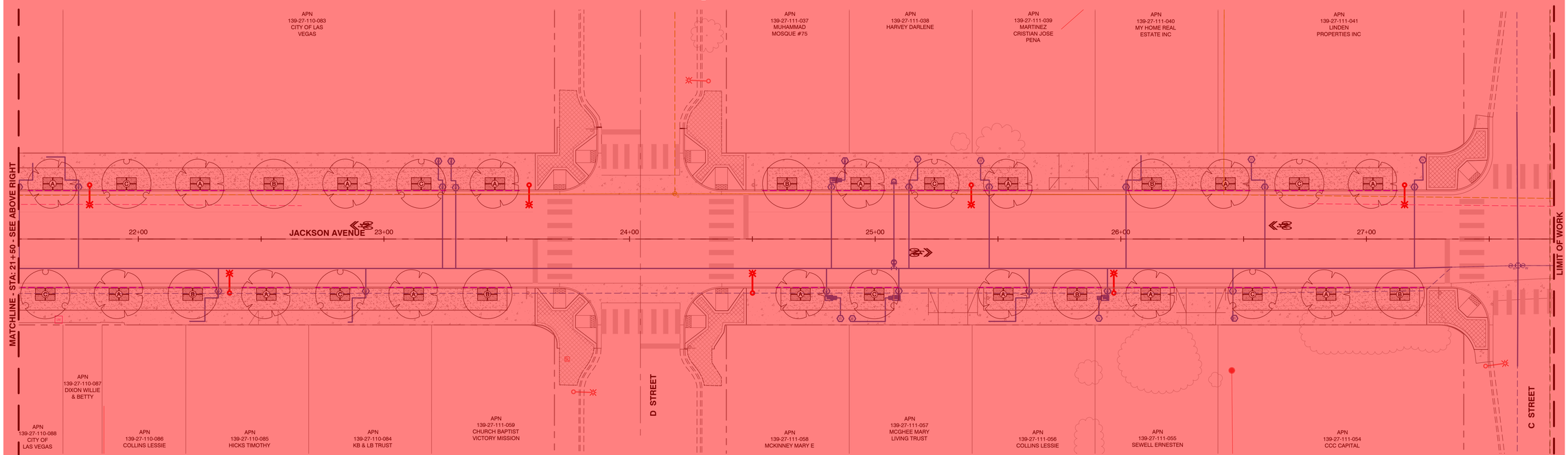
GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1" = 20'
(VERIFY SCALE - PLANS MAY HAVE BEEN REDUCED)

CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6331
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	ROOT BARRIER		1,500 LF

Sheet updated 09/15/22



SEE SHEET L3 & L4 FOR PLANTING DETAILS

SEE SHEET L3 FOR PLANTING NOTES

NO.	DATE	SHEET	REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

REVISED

TITLE
JACKSON AVENUE
H STREET TO C STREET

SHEET
LANDSCAPE PLANTING PLAN
STA: "J" 17+50 TO STA: "J" 27+75

PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
L2
55 OF 59

DRAWING NO.
107V8328

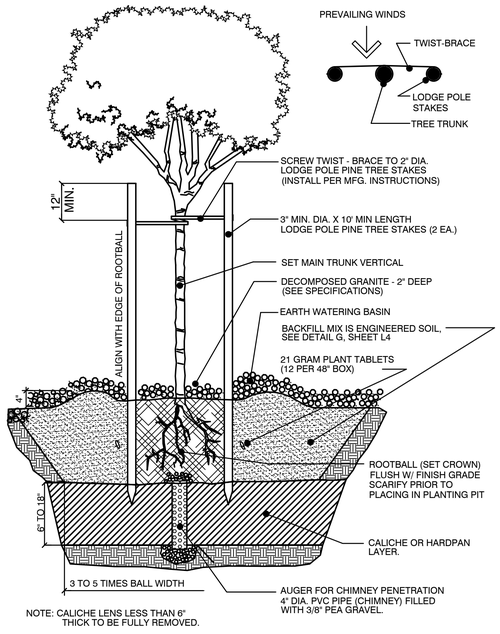
J:\V3\85\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_DAI\CIVIL\DWG\MWA400\ - PRODUCTION\MWA400_LA.DWG
2/23/22

PLANTING NOTES

1. UPON AWARD OF CONTRACT, CONTRACTOR SHALL IMMEDIATELY CONTACT LANDSCAPE ARCHITECT IF ANY PLANT MATERIAL IS NOT AVAILABLE AND NOTIFY LANDSCAPE ARCHITECT OF PROPOSED PLANT SUBSTITUTES. FINAL PLANT SUBSTITUTES SHALL BE APPROVED IN WRITING BY LANDSCAPE ARCHITECT PRIOR TO ORDERING. ANY PLANT SUBSTITUTES SHALL NOT ALTER THE CONTRACTORS BID UNLESS A CREDIT IS DUE TO THE OWNER.
2. PLANT SYMBOL LOCATIONS ARE INFORMATIONAL AND SUBJECT TO MINOR FIELD REVISIONS BASED ON ACTUAL CONDITIONS. CONTRACTOR MUST REVIEW FIELD CONDITIONS AND NOTIFY LANDSCAPE ARCHITECT IF ANY MAJOR REVISIONS ARE REQUIRED.
3. THE CONTRACTOR MUST CONTACT LANDSCAPE ARCHITECT A MINIMUM OF 48 HOURS IN ADVANCE OF PLANT DELIVERY TO THE PROJECT SITE TO SCHEDULE A PLANT INSPECTION FOR WRITTEN APPROVAL OF PLANT MATERIAL. ANY PLANT MATERIAL INSTALLED PRIOR TO WRITTEN APPROVAL BY LANDSCAPE ARCHITECT IS SUBJECT TO REMOVAL AND REPLACEMENT AT NOT COST TO THE OWNER.
4. EXCAVATED PLANT PITS SHALL PROVIDE ADEQUATE DRAINAGE FOR PLANT SURVIVAL. CONTRACTOR SHALL FILL EXCAVATED PLANT PITS WITH WATER AND ENSURE THAT ALL PLANT PITS DRAIN WITHIN ONE HOUR.
5. AFTER PLANTING IS COMPLETE, A PRE-EMERGENT WEED KILLER SHALL BE USED TO CONTROL WEEDS ON ALL NON-TURF AREAS.
6. PLANTER AREAS SHALL HAVE A MINIMUM SLOPE OF 1.5-2% AND A MAXIMUM SLOPE OF 2:1.
7. A 3" LAYER OF BARK MULCH IS REQUIRED IN ALL PLANTER AREAS.
8. CONTRACTOR SHALL INSTALL LINEAR ROOT BARRIERS ADJACENT TO ANY HARDSCAPE LOCATED WITHIN FIVE FEET OF A TREE PLANTING. SEE CITY SPECIFICATIONS FOR FURTHER INFORMATION.
9. ALL NURSERY STAKES SHALL BE REMOVED PRIOR TO THE START OF THE MAINTENANCE PERIOD.

GENERAL NOTES

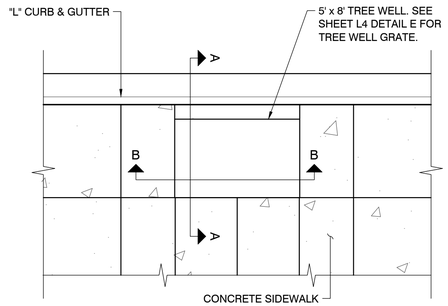
1. WORK SHALL CONFORM TO THESE PLANS AND THE CURRENT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL WORK SHALL BE PERFORMED BY A LICENSED LANDSCAPE CONTRACTOR.
3. ALL ROADS USED BY CONSTRUCTION TRAFFIC SHALL BE KEPT CLEAN AND FREE OF DEBRIS. ANY ROADS THAT DO NOT MEET THESE REQUIREMENTS ARE SUBJECT TO FINES AS PER LOCAL CODES.
4. ANY EXISTING FACILITIES SHOWN ON THESE PLANS ARE INFORMATIONAL ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND STAKING ALL SEWER, UTILITY AND WATER MAIN LINES PRIOR TO THE START OF WORK. CONTACT USA ALERT AT 1.800.642.2444 TO AND ALL NECESSARY UTILITY AGENCIES TO IDENTIFY AND LOCATE UNDERGROUND UTILITIES. ALL AREAS TO BE EXCAVATED SHALL BE MARKED WITH WHITE PAINT PRIOR TO CONTACTING USA.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING, SITE LAYOUT AND DIMENSIONS TO CONSTRUCT THE WORK AS DESCRIBED IN THESE PLANS.
6. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, FENCES, HARDSCAPE AND OTHER EXISTING STRUCTURES. ANY EXISTING ITEMS NOT SPECIFICALLY NOTED ON THE PLANS FOR REMOVAL SHALL BE PROTECTED IN PLACE. ALL EXISTING ITEMS TO REMAIN THAT ARE DAMAGED BY THE WORK SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
7. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY EROSION CONTROL AT ALL TIMES. THE CONTRACTOR MUST TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY DAMAGE, WATER AND/OR SEDIMENT RUN-OFF. CONTRACTOR SHALL ASSURE THAT ANY DEBRIS GENERATED FROM THE WORK DESCRIBED IN THIS PLAN SET IS COLLECTED AND LEGALLY DISPOSED OF OFF THE SITE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL FINE GRADING AND POSITIVE SURFACE GRADING IN ALL LANDSCAPE AREAS. THE CONTRACTOR SHALL VERIFY ALL ROUGH GRADES IN THE FIELD AND BRING ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE PLANS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY.
9. THE CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE LANDSCAPE ARCHITECT AND THE CITY INSPECTOR A MINIMUM OF ONE WEEK PRIOR TO THE START OF WORK. CONTRACTOR MUST COORDINATE THE PRE-CONSTRUCTION MEETING DATE WITH THE LANDSCAPE ARCHITECT AND CITY INSPECTOR A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE MEETING DATE.
10. ALL ENGINES USED FOR CONSTRUCTION SHALL USE NOISE SUPPRESSION DEVICES TO MINIMIZE NOISE TO THE SURROUNDING AREAS.
11. DUST SHALL BE CONTROLLED AT ALL TIMES DURING CONSTRUCTION PERIOD BY APPLICATION OF WATER TO THE SITE, INCLUDING DAYS WHEN CONSTRUCTION ACTIVITY DOES NOT OCCUR.
12. ALL USA MARKINGS SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
13. ALL AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
14. HOURS OF CONSTRUCTION ACTIVITIES SHALL ADHERE TO LOCAL JURISDICTIONAL REQUIREMENTS. NO WORK IS ALLOWED ON SUNDAY.



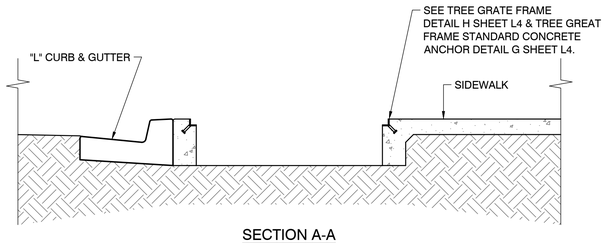
NOTE: CALICHE LENS LESS THAN 6" THICK TO BE FULLY REMOVED.

A TREE PLANTING (IN CALICHE)

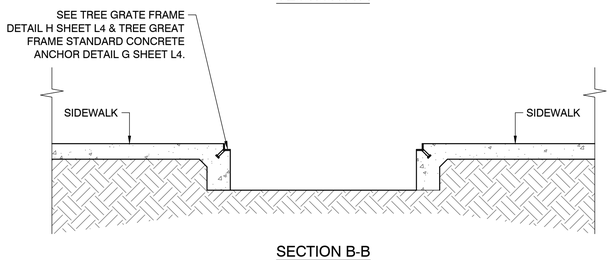
SCALE:NTS



PLAN VIEW



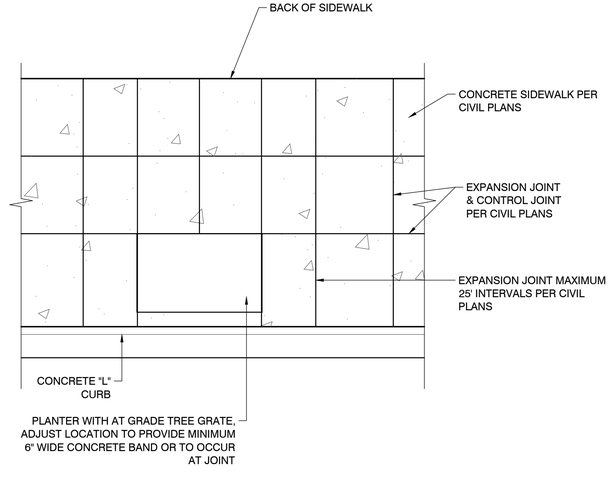
SECTION A-A



SECTION B-B

NOTES

1. VERIFY ALL DIMENSIONS WITH TREE GRATE SUPPLIER PRIOR TO CONSTRUCTION
2. REFER TO TYPICAL CONCRETE SIDEWALK LAYOUT ON DETAIL D SHEET L3.



D CONCRETE SIDEWALK LAYOUT

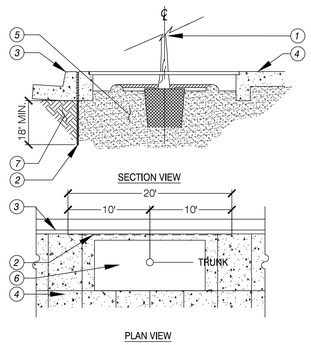
SCALE:NTS

KEY

1. TREE INSTALL PER PLANTING DETAIL.
2. ROOT CONTROL PANEL, INSTALL PER MANUFACTURER'S RECOMMENDATIONS ADJACENT TO CURB.
3. CURB AND GUTTER.
4. ADJACENT SIDEWALK/HARDSCAPE.
5. ENGINEERED SOIL.
6. TREE WELL.
7. COMPACTED SUBGRADE.

NOTES

1. INSTALL ALONG BACK OF CURB BETWEEN THE ENGINEER SOIL AND COMPACTED SUBGRADE WHERE STREET TREES ARE WITHIN 5' OF CURB.



B ROOT BARRIER

SCALE:NTS

C TREE WELL BLOCK OUT

SCALE:NTS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

NO.	DATE	SHEET	REVISIONS

REGISTERED LANDSCAPE ARCHITECT
MARK W. KAZINEC
No. 915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

TITLE
JACKSON AVENUE
H STREET TO C STREET

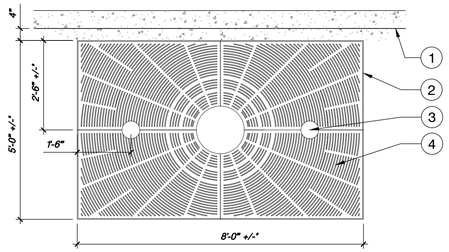
SHEET
LANDSCAPE PLANTING
NOTES & DETAILS

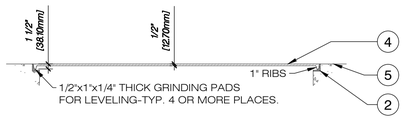
PREPARED FOR
CITY OF LAS VEGAS

BID # 21.MWA400-C	DATE: FEB-2022	DESIGNED BY: MAK	
MWA # 400		DRAWN BY: DAB	
SUBMITTAL STAGE: FINAL		CHECKED BY: MAD	

SHEET
L3
56 OF 59
DRAWING NO.
107V8328

J:\JOBS\89144_CITY_LAS_VEGAS\JACKSON_AVENUE_CAN\CIVIL\DWG\MWA400.7 PRODUCTION\MWA400A.DWG
2/23/22





LEGEND:

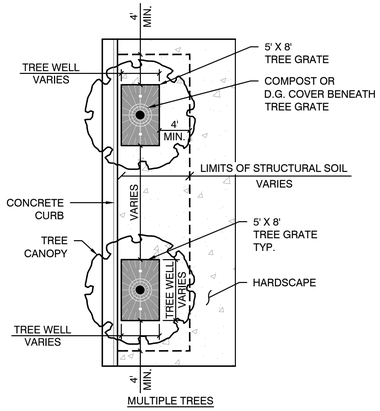
1. BACK OF CURB
2. TREE GRATE FRAME, TYP.
3. HOLE FOR TREE STAKES, MUST BE PARREL TO STREET.
4. TREE GREATE
5. CONCRE WALKWAY WITH THICKENED EDGE

NOTES:

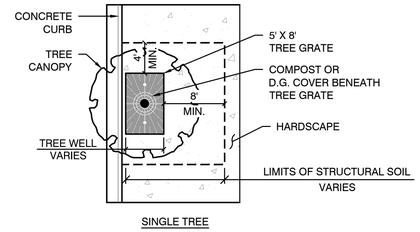
1. TREE GRATE MODEL 9638 OLYMPIAN; TREE GRATE MODEL60X96F-CS. AVAILABLE THROUGH IRONSMITH OR APPROVED EQUAL. GREAT MUST HAVE TWO HOLES PARREL TO STREET FOR THE TREE STAKES.
2. FINISH: POWDER COAT BLACK
3. INSTALL TREE GRATE FRAMES, AND RELATED MECHANISMS PER MANUFACTURER'S RECOMMENDATIONS.
4. CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL PRIOR TO FINAL ORDER FABRICATION.
5. THIS DETAIL FOR DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR TREE GRATE AND FRAME, INCLUDING STRUCTURAL CALCULATIONS AND CUT SHEETS TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

E TREE GRATE

SCALE:1/2" = 1'-0"



MULTIPLE TREES



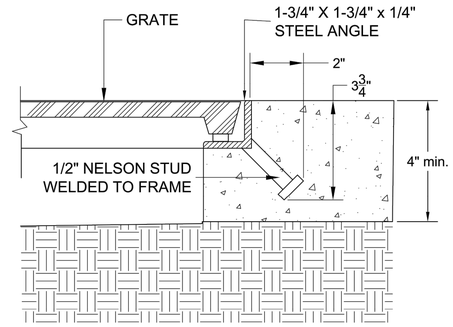
SINGLE TREE

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PERFORM PERCOLATION TEST ON PLANTING PIT PER SPECIFICATIONS.
3. DO NOT APPLY WATER TO THE STRUCTURAL SOIL UNLESS THE FILTER FABRIC & TOP DRESSING ARE IN PLACE.
4. PROTECT STRUCTURAL SOIL FROM CONSTRUCTION ACTIVITIES UNTIL HARDSCAPE IS IN PLACE

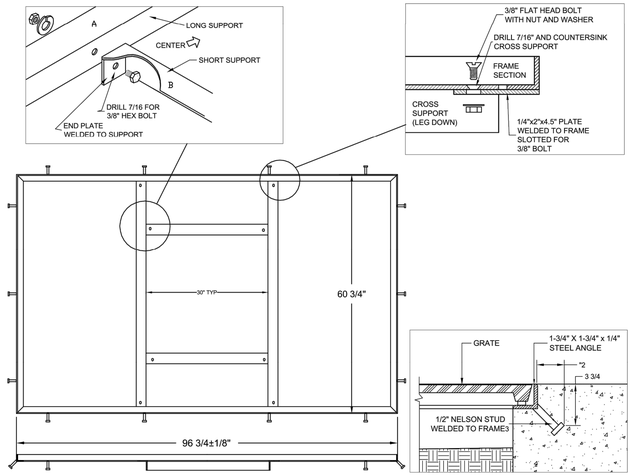
F STREET TREE PLANTING WITH TREE GRATE

SCALE:NTS



G TREE GRATE FRAME - STANDARD CONCRETE ANCHOR

SCALE:NTS



H TREE GRATE FRAME

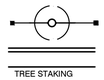
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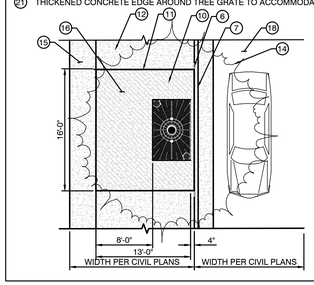
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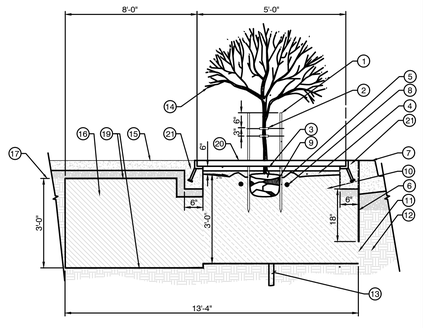
1. TWO 3" LODGE POLE PINE STAKES INSTALLED MIN 12" INTO UNDISTURBED SOIL (SEE SPECS)
2. (2) G.C.S. TREE STRAPS
3. TOP OF ROOTBALL SHALL BE MIN. 1" ABOVE GRADE
4. APPLY 3-4 INCH DEPTH OF MULCH PER LANDSCAPE SCHEDULE IN PLANTER PIT OVER PLANTING MIX
5. FORM 4" DEEP BASIN AROUND TREE
6. ROOT BARRIER EXTENDING 20' ALONG THE BACK OF CURB, SEE ROOT BARRIER DETAIL
7. CURB AND GUTTER PER CIVIL PLAN
8. SLOW RELEASE FERTILIZER (SEE SPECIFICATIONS)
9. SCARIFY ROOT BALL AND REMOVE ALL WIRE, NURSERY STAKES, TAPE & WOODEN BOXES BEFORE PLANTING
10. WATER TREE AT TIME OF PLANTING .
11. LIMIT OF EXCAVATION ON A SINGLE TREE PLANTING, AND AT THE END TREE IN A RUN OF TREES IN A ROW.
12. NATIVE UNDISTURBED SOIL
13. VERIFY PROPER DRAINAGE PRIOR TO PLANTING BY FILLING PIT WITH WATER. IF DRAINAGE DOESN'T OCCUR WITHIN A 24 HOUR PERIOD, AUGER A 12" DIA HOLE 6' DEEP THROUGH HARD PAN AND FILL HOLE WITH CRUSHED ROCK. 1% TO CHIMNEY SLOPE BOTTOM OF PIT DRAIN.
14. PLANT MATERIAL PER PLANTING LEGEND.
15. SIDEWALK PER CIVIL PLANS
16. ENGINEERED SOIL MIX BENEATH SIDEWALK, COMPACTED 95%; REFER TO SPECIFICATION SECTION 214.
17. INSPECTION SHALL VERIFY 36 INCH MIN. DEPTH
18. ROADWAY PER CIVIL PLANS
19. FILTER FABRIC
20. TREE GRATE WITH ANCHORING SYSTEM. SEE DETAILS
21. THICKENED CONCRETE EDGE AROUND TREE GRATE TO ACCOMMODATE GRATE FRAME AND ANCHORS.

NOTES:

1. CONTACT UNDERGROUND SERVICE ALERT (USA) @ (800) 642-2444 AT LEAST 5 DAYS PRIOR TO BEGINNING EXCAVATION WORK TO LOCATE EXISTING UTILITIES.
2. BUILD SOIL BERM MIN. 4 INCHES HIGH AND 2 FEET FROM TREE TRUNK IN PLANTER STRIP.
3. SOIL, CONCRETE AND OTHER MATERIALS SPILLED ON STREET, SIDEWALK, AND PLANTING AREA SHALL BE CLEANED UP IMMEDIATELY BY CONTRACTOR.
4. PVC ROOT BARRIER MAY BE REQUIRED ON A SITE SPECIFIC BASIS.
5. PROVIDE MIN. ROOTABLE SOIL VOLUME FOR TREE SIZE GROWTH PERFORMANCE (IN CUBIC FEET): LARGE - 1,200 CF, MEDIUM - 800 CF, SMALL - 400 CF.
6. CHANNEL LENGTH TO BE A MIN. 16 FEET, MEASURED FROM CENTER OF TREE TRUNK.







I TREE PLANTING IN ENGINEERED SOIL MIX

SCALE:NTS

REVISIONS | NO. | DATE | SHEET

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.220.3690

REGISTERED LANDSCAPE ARCHITECT
GREGORY W. KALINEC
915
Expires: 6-30-22
2/23/22
STATE OF NEVADA

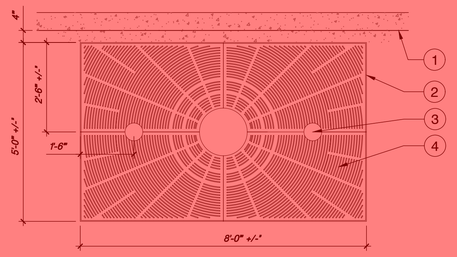
TITLE: JACKSON AVENUE
H STREET TO C STREET

SHEET: LANDSCAPE PLANTING DETAILS

PREPARED FOR: CITY OF LAS VEGAS
BID # 21.MWA400-C
MWA # 400
DATE: FEB-2022
SUBMITTAL STAGE: FINAL
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD

SHEET L4
57 OF 59
DRAWING NO. 107V8328

2/23/22 J:\JOBS\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_CAL\CIVIL\DWG\MWA400.7_PRODUCTION\MWA400LA.DWG





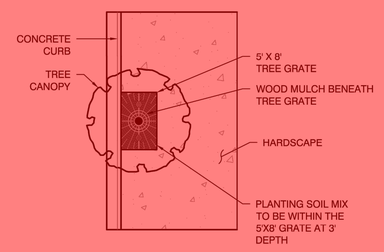
LEGEND:

1. BACK OF CURB
2. TREE GRATE FRAME, TYP.
3. HOLE FOR TREE STAKES, MUST BE PARREL TO STREET.
4. TREE GREATE
5. CONCRE WALKWAY WITH THICKENED EDGE

NOTES:
1. TREE GRATE MODEL 9638 OLYMPIAN; TREE GRATE MODEL60X96F-CS. AVAILABLE THROUGH IRONSMITH OR APPROVED EQUAL. GREAT MUST HAVE TWO HOLES PARREL TO STREET FOR THE TREE STAKES.
2. FINISH: POWDER COAT BLACK
3. INSTALL TREE GRATE FRAMES, AND RELATED MECHANISMS PER MANUFACTURERS RECOMMENDATIONS.
4. CONTRACTOR TO SUBMIT SAMPLE FOR APPROVAL PRIOR TO FINAL ORDER FABRICATION.
5. THIS DETAIL FOR DESIGN INTENT ONLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR TREE GRATE AND FRAME, INCLUDING STRUCTURAL CALCULATIONS AND CUT SHEETS TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

E TREE GRATE

SCALE:1/2" = 1'-0"



NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. PERFORM PERCOLATION TEST ON PLANTING PIT PER SPECIFICATIONS.
3. PROTECT PLANTING SOIL MIX FROM CONSTRUCTION ACTIVITIES UNTIL HARDSCAPE IS IN PLACE

F STREET TREE PLANTING WITH TREE GRATE

SCALE:NTS

SOIL MIX FOR ALL TREES AND PLANTING AREAS :

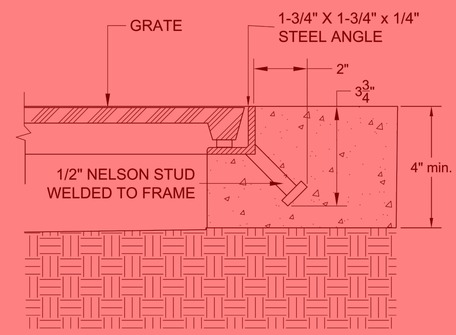
THE FOLLOWING MATERIALS ARE TO BE THOROUGHLY MIXED TO A DEPTH OF 36" WITHIN ALL INDICATED AREAS:

8 PARTS BY VOLUME EXISTING SOIL
2 PARTS BY VOLUME COMPOST

OSMOCOTE 14-14-14 FERTILIZER (13 LBS PER CUBIC YARD OF MIX)
EDDHA CHELATED IRON (APPLIED AT SPECIFIED RATES)
SOIL SULFUR (1LB PER CUBIC YARD OF MIX)

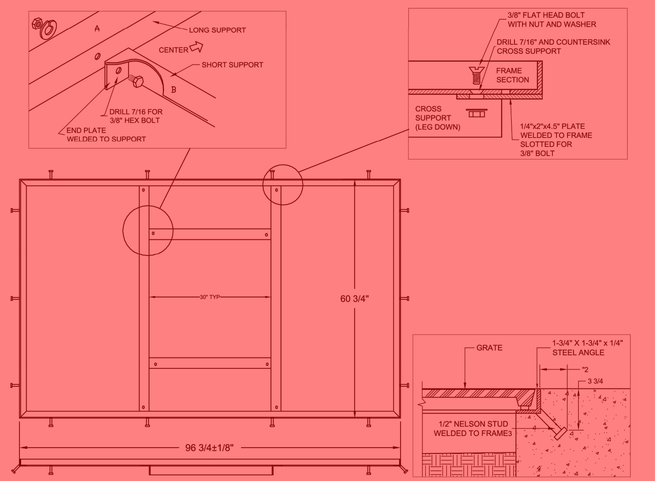
SOIL MIX NOTE

NTS



G TREE GRATE FRAME - STANDARD CONCRETE ANCHOR

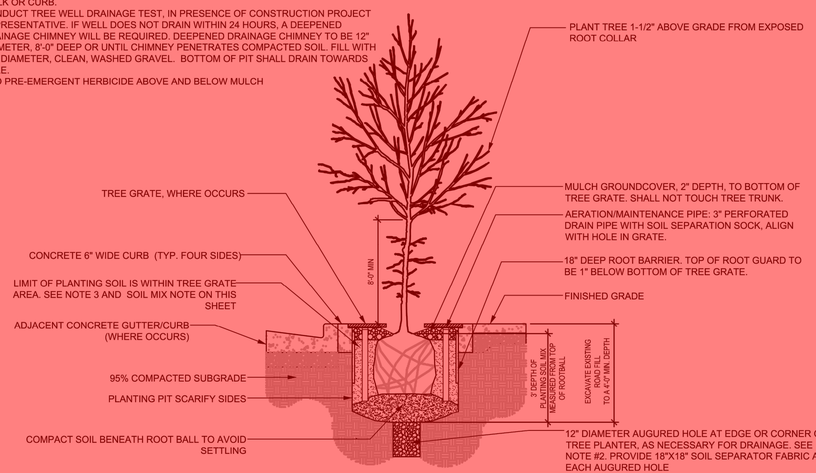
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H TREE GRATE FRAME

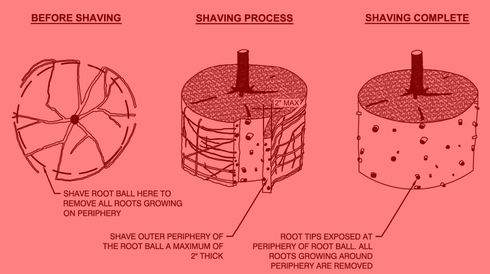
SCALE:NTS

NOTES:
1. INSTALL ROOT GUARD PER MANUFACTURER'S RECOMMENDATIONS ADJACENT TO WALK OR CURB.
2. CONDUCT TREE WELL DRAINAGE TEST, IN PRESENCE OF CONSTRUCTION PROJECT REPRESENTATIVE. IF WELL DOES NOT DRAIN WITHIN 24 HOURS, A DEEPENED DRAINAGE CHIMNEY WILL BE REQUIRED. DEEPENED DRAINAGE CHIMNEY TO BE 12" DIAMETER, 8'-0" DEEP OR UNTIL CHIMNEY PENETRATES COMPACTED SOIL. FILL WITH 3/4" DIAMETER, CLEAN, WASHED GRAVEL. BOTTOM OF PIT SHALL DRAIN TOWARDS HOLE.
3. ADD PRE-EMERGENT HERBICIDE ABOVE AND BELOW MULCH



TREE PLANTING IN TREE GRATE WELL

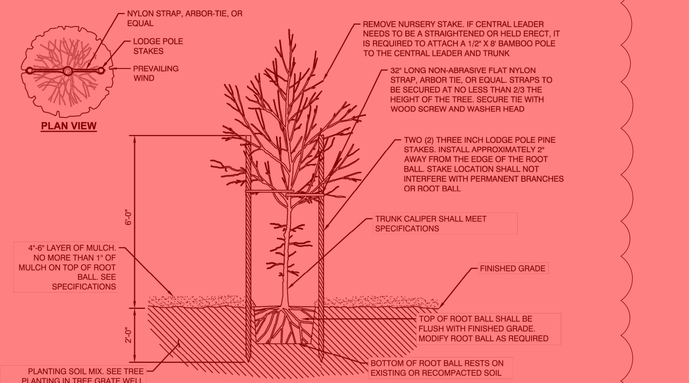
NTS



NOTES:
1. SHAVING TO BE CONDUCTED USING A SHARP BLADE OR HAND SAW ELIMINATING NO MORE THAN NEEDED TO REMOVE ALL ROOTS ON THE PERIPHERY OF ROOT BALL
2. SHAVING CAN BE PERFORMED JUST PRIOR TO PLANTING OR AFTER PLACING IN THE HOLE

ROOT BALL SHAVING

NTS



NOTES:
1. PRIOR TO MULCHING, LIGHTLY TAMP SOIL AROUND THE ROOT BALL IN 6" LIFTS TO BRACE TREE. DO NOT COVER OVER COMPACT. WHEN THE PLANTING HOLE HAS BEEN BACKFILLED, POUR WATER AROUND THE ROOT BALL TO SETTLE THE SOIL
2. SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS RELATED TO THIS DETAIL

TREE STAKING

NTS

Sheet updated 09/15/22

NO.	DATE	SHEET	UPDATED DETAILS
1	09/22		REVISIONS

PREPARED BY
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD
SUITE 260
LAS VEGAS NV 89123
T 702.320.3600

REVISED

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: LANDSCAPE PLANTING DETAILS

PREPARED FOR: CITY OF LAS VEGAS

BID #	21.MWA400-C
MWA #	400
DATE:	FEB-2022
DESIGNED BY:	MAK
DRAWN BY:	DAB
CHECKED BY:	MAD
SUBMITTAL STAGE:	FINAL

SHEET L4

57 OF 59

DRAWING NO. 107V8328

9/15/22 J:\JOBS\1844_CITY_LAS_VEGAS\JACKSON_AVENUE_CMC\Civil\DWG\MWA400\7. PRODUCTION\MWA400_L4.DWG

RECORD OF SURVEY FOR CITY OF LAS VEGAS

SITUATE WITHIN THE NORTHEAST 1/4 OF SECTION 28 AND THE NORTHWEST 1/4 OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA



LEGEND:

- FOUND CENTERLINE MONUMENT AS NOTED
- FOUND CENTERLINE REFERENCE MONUMENT
- × DIMENSION POINT – NOTHING FOUND OR SET
- (N54°17'40"W R6) RECORD DIMENSION AND REFERENCE NUMBER
- RIGHT-OF-WAY
- CENTERLINE
- ADJACENT PARCEL LINES
- SECTION LINES
- TIE

REFERENCES:

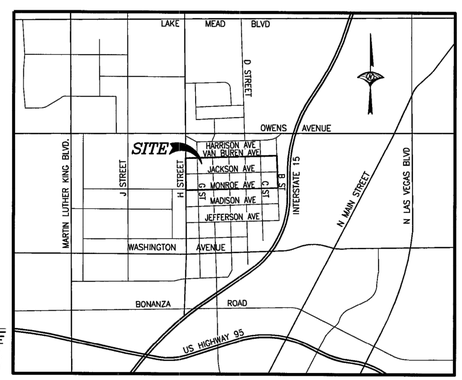
1. FINAL MAP PLAT BOOK I, PAGE 47.
2. FINAL MAP PLAT BOOK I, PAGE 50.
3. RECORD OF SURVEY FILE 104, PAGE 86
4. RECORD OF SURVEY FILE 113, PAGE 50
5. PARCEL MAP FILE 116, PAGE 47

ALL IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA

BASIS OF BEARINGS:

GRID NORTH AS DEFINED BY THE CENTRAL MERIDAIN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983 (NAD83); TRANSVERSE MERCATOR PROJECTION

STANDARD PARALLEL & GRID ORIGIN:	36°15'00" N
CENTRAL MERIDIAN:	114°58'00" W
FALSE NORTHING:	200,000 m
	656,166.6667 feet (US)
FALSE EASTING:	100,000 m
	328,083.3333 feet (US)
STANDARD PARALLEL SCALE:	1.0001 (exact)



VICINITY MAP

NOT TO SCALE

COUNTY RECORDER'S NOTE:

ANY SUBSEQUENT CHANGES TO THIS MAP SHOULD BE EXAMINED AND MAY BE DETERMINED BY REFERENCE TO THE COUNTY RECORDER'S CUMULATIVE MAP INDEX, N.R.S. 278.5695.

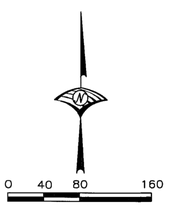
SURVEYOR'S CERTIFICATE:

I, DANIEL A. BIGRIGG, A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEVADA, DO HEREBY CERTIFY THAT:

1. THIS PLAT REPRESENTS THE RESULTS OF A SURVEY PERFORMED UNDER MY DIRECT SUPERVISION AT THE INSTANCE OF THE CITY OF LAS VEGAS;
2. THE LANDS SURVEYED LIE WITHIN THE NORTHEAST 1/4 OF SECTION 28 AND THE NORTHWEST 1/4 OF SECTION 27, TOWNSHIP TWENTY (20) SOUTH, RANGE SIXTY-ONE (61) EAST, MOUNT DIABLO BASE MERIDIAN, CITY OF LAS VEGAS, COUNTY OF CLARK, STATE OF NEVADA, AND THE SURVEY WAS COMPLETED ON JANUARY 31, 2020.
3. THIS MAP COMPLIES WITH THE APPLICABLE STATUTES OF THIS STATE AND ANY LOCAL ORDINANCES IN EFFECT ON THE DATE THE SURVEY WAS COMPLETED, AND THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH CHAPTER 625 OF THE NEVADA ADMINISTRATIVE CODE.
4. THE MONUMENTS DEPICTED ON THE PLAT ARE OF THE CHARACTER SHOWN, OCCUPY THE POSITIONS INDICATED AND ARE OF SUFFICIENT NUMBER AND DURABILITY.



DANIEL A. BIGRIGG, P.L.S.
NEVADA CERTIFICATE NO. 19716



PROJECT NO. H75122

RECORD OF SURVEY FOR

CITY OF LAS VEGAS

SITUATE WITHIN THE NORTHEAST 1/4 OF SECTION 28 AND THE NORTHWEST 1/4 OF SECTION 27, TOWNSHIP 20 SOUTH, RANGE 61 EAST, MOUNT DIABLO BASE AND MERIDIAN

LAS VEGAS CLARK COUNTY NEVADA

JOB NO. 8344.001

WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
1361 Corporate Blvd Tel 775.823.4068
Reno, NV 89502 Fax 775.823.4066

SHEET 1 OF 1

NO. 01103
FILED AT THE REQUEST OF:
WOOD RODGERS, INC.
DATE 6-9-20 TIME 11:00
FILE 217 PAGE 0028

OF SURVEYS
OFFICIAL RECORDS
NO. 20200609
CLARK COUNTY, NEVADA RECORDS
DEBBIE CONWAY, RECORDER
FEE: 34.00 DEPUTY BGN

217-0028

REVISIONS

NO.	DATE	SHEET

PREPARED BY:
WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
2190 E. PEBBLE ROAD T 702.320.3600
SUITE 200
LAS VEGAS NV 89123

STATE OF NEVADA — PROFESSIONAL ENGINEER — MICHAEL A DAVIDSON EXP: 12/31/22 CIVIL No. 19870
2/23/2022

TITLE: JACKSON AVENUE H STREET TO C STREET

SHEET: RECORD OF SURVEY

PREPARED FOR: CITY OF LAS VEGAS
BID # 21.MWA400-C
MWA # 400
DATE: FEB-2022
DESIGNED BY: MAK
DRAWN BY: DAB
CHECKED BY: MAD
SUBMITTAL STAGE: FINAL

SHEET RS1
58 OF 59
DRAWING NO. 107V8328

2/23/22 J:\V8\8344_CITY_LAS_VEGAS\JACKSON_AVENUE_DAC\CIVIL\DWG\MWA400\7 PRODUCTION\MWA400RS.DWG

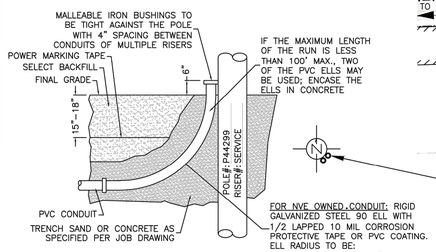
FIRE HYDRANT CLEARANCE:

6' RADIUS FROM CENTER OF HYDRANT TO ALL ABOVE GROUND PADS AND/OR EQUIPMENT AND ALL MANHOLES AND SWITCHBOXES.
6' RADIUS FROM CENTER OF HYDRANT TO ALL UNDERGROUND HANDHOLES, PULLBOXES AND SPLICEBOXES. ALL PER NVEnergy STD. RS-5

NVEnergy REQUIRES 24 HOUR ACCESS TO EQUIPMENT

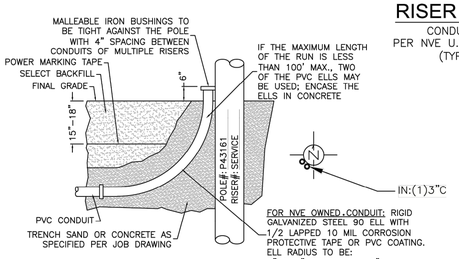
TRANSFORMER CONNECTED LOAD			
TRANSFORMER #: P44299			
	APD	EPD	TOTAL
A Ø	1	5	6

TRANSFORMER CONNECTED LOAD			
TRANSFORMER #: P43161			
	APD	EPD	TOTAL
A Ø	1	5	6



RISER DETAIL

CONDUIT RUN
PER NVE U.G. STD. RR-1
(TYPICAL)



RISER DETAIL

CONDUIT RUN
PER NVE U.G. STD. RR-1
(TYPICAL)

CONSTRUCTION / INSPECTION REQUIREMENTS

WORK MUST CONFORM TO NVE ELECTRIC SERVICE STANDARDS, AVAILABLE AT: www.nvenergy.com/business/newconstruction/newconstructionS/servicestandards.cfm

NVE INSPECTOR MUST BE PRESENT TO INSPECT TRENCHING (SCHEDULE AT LEAST 72 HOURS IN ADVANCE) AT EACH OF THE FOLLOWING STAGES:
1. BOTTOM SAND AND CONDUIT INSTALLED
2. TOP SAND INSTALLED
3. BACKFILL INSTALLED

CONDUIT MUST BE MANDRILLED PRIOR TO RELEASE (COORDINATE WITH INSPECTOR).

NVE STAND BY CREW IS REQUIRED WHEN WORKING AT AN ENERGIZED VAULT OR TRANSFORMER. CALL STAND BY NUMBER (SEE TITLE BLOCK) TO SCHEDULE.

NVE ELECTRICAL INSTALLATION WILL NOT BE SCHEDULED UNTIL AFTER THE NVE INSPECTOR HAS COMPLETED THE OFFICIAL RELEASE.

METER(S) WILL NOT BE SET UNTIL ALL OF THE FOLLOWING ARE COMPLETE:
- [INSTRUMENT-RATED ONLY] METERING EQUIPMENT HAS BEEN SUBMITTED TO NVE METERING ENGINEER AND APPROVED. (submittals_southern@nvenergy.com)
- APPLICATION FOR METER SET HAS BEEN SUBMITTED TO NVE'S NEW DEVELOPMENT CENTER. FORM AVAILABLE AT: www.nvenergy.com/brochures_arch/new_construction/meter_set.pdf
- THE LOCAL BUILDING AUTHORITY HAS INSPECTED AND APPROVED THE METERING EQUIPMENT.
- METERING EQUIPMENT IS ACCESSIBLE AND CLEARLY IDENTIFIED WITH PERMANENT MARKINGS. ADDRESSES, SUITE NUMBERS, AND STREET SIGNS ARE POSTED IN PERMANENT LOCATIONS (SEE RPI-G).

TRACK PROJECT STATUS ONLINE WITH NVE'S DEVELOPER DASHBOARD: www.nvenergy.com/business/newconstruction/newconstructionS/developerdashboard.cfm

RTC NOTES:

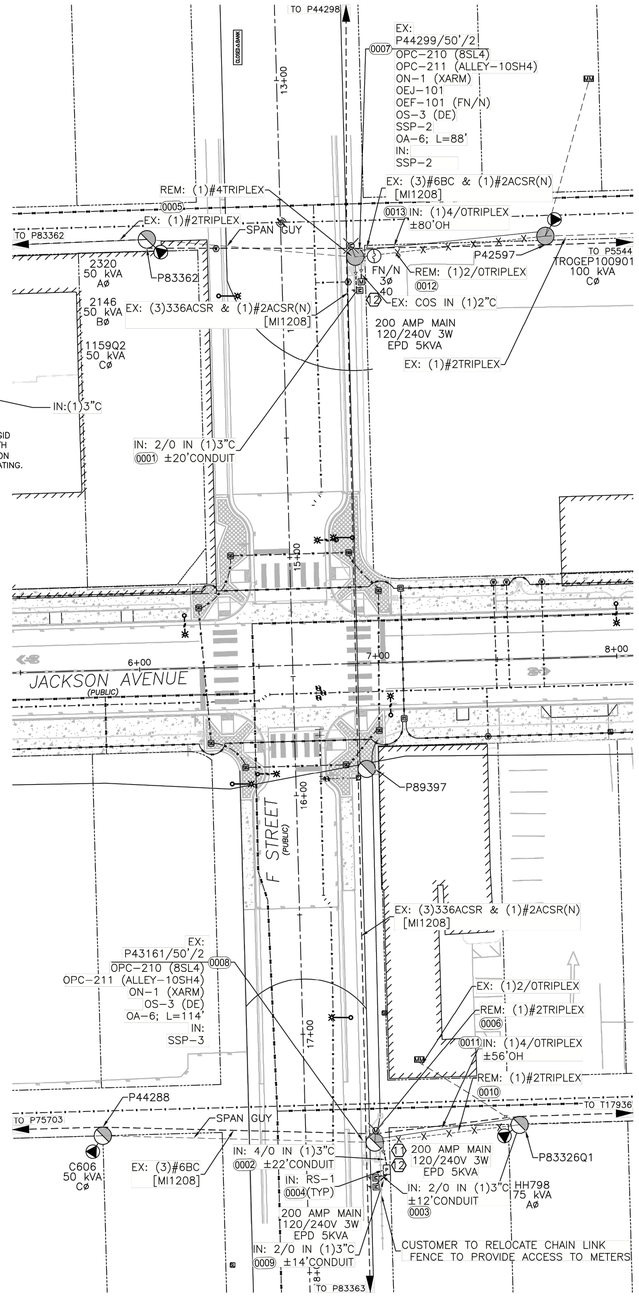
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

1	500.1	0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
2	500.2	0 TO 5 YEARS PAVEMENT RESTORATION TRANSVERSE CUT
3	500.3	OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT. GREATER THAN 60' R.O.W
4	500.4	OVER 5 YRS PAVEMENT RESTORATION LONGITUDINAL CUT. 60' R.O.W OR LESS
5	500.5	OVER 5 YRS PAVEMENT RESTORATION TRANSVERSE ALL R.O.W WIDTHS
6	501	TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W.
7	501.1	TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W.
8	503	METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL – PAVED AREAS
9	503.1	METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL – PAVED AREAS
10	BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.	
12	234	SIDEWALK
13	224	COMMERCIAL DRIVEWAY CROSSINGS
14	216	"L" TYPE CURB AND GUTTER
15	228	CROSS GUTTER
16	235	ADA SIDEWALK RAMP
17	506	UTILITY POTHOLE REPAIR

NV ENERGY SCHEDULING NOTE: DAY (LANE BLOCKS)

THIS PROJECT WAS ESTIMATED WITH THE ASSUMPTION THAT ALL THE WORK BEING PERFORMED ON THIS PROJECT BY NV ENERGY CREWS CAN BE DONE DURING THE DAYTIME AND WILL REQUIRE TRAFFIC CONTROL.

GOVERNMENT APPROVAL OF THESE DRAWINGS DOES NOT INDICATE APPROVAL OF TRAFFIC CONTROL. PLEASE REFER TO THE BARRICADE PLAN FOR APPROVED TRAFFIC CONTROL REQUIREMENTS.



CIVIL LINETYPE LEGEND

CENTERLINE
PROPERTY LINE/ROW
CURB
EDGE OF PAVEMENT
EDGE OF SIDEWALK
SEWER LINE
WATER LINE
COHW WATER LINE
LVVWD WATER LINE
SNWA WATER LINE
GAS LINE
TELEPHONE LINE
CABLE TV LINE
CABLE TV LINE
STORM DRAIN LINE
FIRE HYDRANT
SERVICE INDICATOR
SIGNAL LIGHT
STREET LIGHT

CUSTOMER NOTE:

UNLESS OTHERWISE NOTED, ALL CONDUIT, BENDS AND SUBSTRUCTURES ARE THE RESPONSIBILITY OF THE CUSTOMERS CONTRACTOR, OR ASSIGNED DCA CONTRACTOR (RESIDENTIAL ONLY)

METER LOCATION & ACCESS REQUIREMENTS

(NV ENERGY STANDARDS RPI-2 & RPI-G)

MIN. 3'X3' CLEAR, LEVEL SPACE (SAFE WORK SPACE) REQUIRED DIRECTLY IN FRONT OF METER. THIS SPACE SHALL NOT BE PART OF A DRIVEWAY OR SUBJECT TO VEHICULAR TRAFFIC.

SERVICE POINT TO BE NO GREATER THAN 100' FROM BACK OF CURB OR PUBLIC EASEMENT (NO GREATER THAN 25' FROM SIDE STREET OR ALLEY).

A SERVICE PEDESTAL MUST BE 5' MIN. FROM BACK OF CURB, 6' MIN FROM DRIVEWAY OR OTHER TRAFFIC AREA.

BOTH SERVICE POINT AND SAFE WORK SPACE TO BE DIRECTLY VISIBLE FROM BACK OF CURB OR PUBLIC EASEMENT, AND MUST BE READILY ACCESSIBLE TO NV ENERGY AT ALL TIMES WITHOUT REQUIRING PASSAGE THROUGH RESTRICTED AREAS OR REQUIRING CUSTOMER CONTACT. FENCES, GATES, WALLS, OR OTHER OBSTRUCTIONS IN FRONT OF THE SERVICE POINT ARE PROHIBITED.

VISIBILITY, ACCESSIBILITY, AND SAFE WORK SPACE MUST BE MAINTAINED FOR THE ENTIRE LIFE OF THE SERVICE.

!!!! CAUTION !!!!

ENERGIZED CABLES...
CALL BEFORE YOU DIG

NVE WILL NOT VERIFY THE EXISTING CONDUIT. CUSTOMER TO ENSURE ITS INTEGRITY AND REPAIR IF NECESSARY.

STREETLIGHT CLEARANCE:

NPC FACILITIES (SUBSTRUCTURES) ARE NOT TO BE WITHIN 5' OF STREET LIGHT BASES, AND NPC CONDUITS ARE NOT TO CONFLICT WITH STREET LIGHT BASES

CREW NOTE:

UNLESS OTHERWISE NOTED IN DESIGN:
- ALL 1/0 CABLES ENTERING RS-82/RS-85 BOXES TO BE TERMINATED AND PLACED ON THEIR RESPECTIVE PHASE MODULE OR STANDOFF AS DIRECTED BY SYSTEM OPERATIONS.
- ALL 1/0 CABLES ENTERING RS-80 BOXES TO BE SPLICED TO THE MATING PHASE/CIRCUIT.

1/0 SPLICES AND MODULES ARE NEVER TO BE INSTALLED IN THE SAME BOX.

NOTICE:

THIS EXHIBIT IS THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF NV ENERGY AND MAY NOT BE USED, REPRODUCED OR DISTRIBUTED WITHOUT THE EXPRESSED, WRITTEN APPROVAL OF NV ENERGY.

THE IMAGES HEREON ARE NOT ORTHOPHOTOGRAPHIC. ANY LOCATIONS DEPICTED HEREON ARE APPROXIMATE ONLY. THIS EXHIBIT WAS CREATED FOR GENERAL PRESENTATION AND DISCUSSION PURPOSES ONLY AND IS NOT PURPORTED TO REPRESENT ANY MEASURE OF ACCURACY. THIS EXHIBIT IS NOT TO BE UTILIZED IN ANY MANNER NOT CONSISTENT WITH THE INTENT OF ITS' CREATION AS STATED ABOVE.

CLV UTILITIES NOTE:

NVE to maintain minimum Horizontal distance Per Section 2.04.02 of the Uniform Design And Construction Standards for Potable Water Systems (UDACS) and minimum Vertical distance Per Section 2.04.06 of the Uniform Design And Construction Standards for Potable Water Systems (UDACS) to all Water Main/Lateral(s).
NVE to maintain minimum Horizontal and Vertical distance to all Sanitary Sewer Main/Lateral(s),
Per Section 2.3.12 of the Design and Construction for Wastewater Collection Systems (DCSWCS).

NOTE: ALL THE ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF CLV UNIFIED DEVELOPMENT CODE TITLE 19.06 AND 19.08

APPROVED FOR CONSTRUCTION

THIS APPROVAL IS FOR WORK IN CLV R/W & EASEMENT ONLY. OBTAINING PERMISSIONS OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

DATE

NVE STANDARDS

T,R,S: 20-61-27

APN: 13927199013

GENERAL NOTES:

ANY NOTES LOCATED IN DRAWING AREA TAKE PRECEDENCE OVER STANDARD NOTES.

REFER TO A CURRENT NVEnergy ELECTRIC SERVICE REQUIREMENTS HANDBOOK FOR FURTHER CLARIFICATION OF NVEnergy STANDARDS.

THE APPLICANT SHALL INFORM THE INSPECTOR AT LEAST 48 HOURS BEFORE COMMENCING ANY ITEM OF CONSTRUCTION OR INSTALLATION OF MATERIAL TO ENABLE PROPER INSPECTION OF MATERIALS AND WORKMANSHIP. MAIN TRENCH WIRE PULLS TO BE SCHEDULED 72 HOURS IN ADVANCE OF INSTALLATION. APPLICANT'S PROJECT WILL NOT BE SCHEDULED UNTIL FINAL APPROVAL FROM NVEnergy UNDERGROUND & ELECTRICAL INSPECTORS.

ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE ELECTRIC SERVICE REQUIREMENTS HANDBOOK, AS CURRENTLY ADOPTED BY NVEnergy. THE CONTRACTOR SHALL SECURE COPIES OF THE AFOREMENTIONED CONSTRUCTION SPECIFICATIONS ON HIS OR HER OWN BEHALF.

SYMBOLS ARE NOT TO SCALE AND DO NOT NECESSARILY REPRESENT ACTUAL LOCATIONS OF FACILITIES.

THIS DRAWING ILLUSTRATES DATA COLLECTED FROM VARIOUS SOURCES AND MAY NOT REPRESENT A SURVEY OF THE PREMISES.

APPLICANT SHALL FIELD DETERMINE POSITION AND DEPTH OF EXISTING UTILITY EQUIPMENT PRIOR TO COMMENCING CONSTRUCTION.

USE CAUTION PRIOR TO EXCAVATION. CHECK TO ENSURE ADDITIONAL DEPTH IS NOT REQUIRED TO ACCOMMODATE GAS AND/OR WATER FACILITIES AND DRAINAGE CHANNELS.

CALL NVEnergy UNDERGROUND INSPECTORS 48 HOURS PRIOR TO START OF CONSTRUCTION FOR TRENCH INSPECTION BEFORE COVERING TRENCH.

ALL NVEnergy CABLE TO BE INSTALLED BEHIND CURB, UNLESS OTHERWISE STATED.

APPLICANT IS RESPONSIBLE FOR STAKING OF PROPERTY CORNERS & ELEVATIONS.

ALL HANDHOLES AND PULLBOXES SHALL BE INSTALLED TO FINISHED GRADE OR 6" ABOVE IF GRADE IS NOT ESTABLISHED.

ANY SUBSTRUCTURE VAULT INSTALLED IN GRAVEL, GRASS, OR BARE GROUND WILL REQUIRE A CONCRETED 8" WIDE AND 6" DEEP COLLAR AROUND BOX IN ACCORDANCE TO RS-G6.

2" PLASTIC CONDUIT BENDS (90', 45') WITH 36" MIN. RADIUS. (USE FIBERGLASS IF CONDUIT LENGTH IS OVER 500')

3" & 4" PLASTIC CONDUIT BENDS (90', 45') WITH 36" MIN. RADIUS.
(USE RGS IF CONDUIT LENGTH IS OVER 100')

6" PLASTIC CONDUIT BENDS (90', 45') WITH 48" MIN. RADIUS. (USE RGS IF CONDUIT LENGTH IS OVER 100')

WHEN INSTALLING CONDUIT IN FIELD, USE APPROPRIATE BENDS TO COMPLETE THE INSTALLATION.

DEFLECTION OF CONDUIT BENDS AND CONDUIT NOT TO EXCEED NVEnergy STANDARDS.

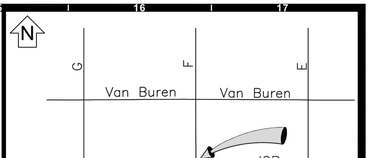
EXISTING STUB-OUT/CONDUIT INSTALLED BY PREVIOUS CONTRACTOR / DEVELOPER. NVEnergy DOES NOT GUARANTEE LOCATION, LENGTH, OR ACCESSIBILITY OF EXISTING STUB-OUT/CONDUIT. IF UTILIZING ANY PORTION OF EXISTING CONDUIT, IT MUST BE MANDRELED PRIOR TO FINAL RELEASE.

PREVIOUSLY MANDRELED CONDUIT WHICH HAS BEEN IN THE GROUND FOR OVER 6 MONTHS MUST BE RE-MANDRILLED PRIOR TO FINAL RELEASE.

WHEN NVEnergy FACILITIES ARE TO BE REMOVED, NVEnergy WILL REMOVE ALL WIRES AND EQUIPMENT. NVEnergy IS NOT RESPONSIBLE FOR THE REMOVAL OF CONDUIT RUNS OR SUBSTRUCTURES FROM THE PROPERTY.

NO COVERED PARKING IN FRONT OF EQUIPMENT.

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 ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.



VICINITY MAP

(NOT TO SCALE)

EVERY EFFORT HAS BEEN MADE TO IDENTIFY ALL NVE FACILITIES. THE CUSTOMER SHALL CONFIRM THE EXISTENCE AND LOCATION OF THESE FACILITIES.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU DO OVERHEAD
CALL 1-702-402-2929

Call before you Dig
Avoid cutting underground utility lines. It's costly.
CALL 811
REGIONAL "CALL BEFORE YOU DIG" NUMBER: 1-800-642-2444

REVISIONS

NO.	DESCRIPTION	DATE	REV BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

NON-STANDARD

PROJECT PURPOSE:

TO REMOVE & INSTALL
120/240V PEDESTAL METERS WTIH 1Ø

EXHIBIT 'A'

NVEnergy INFORMATION:
COORDINATOR: KIRKSEY, DAVID
PHONE: (702) 301-6173 D.F. CC
DESIGNER: CONARD, MILES
DCA: N/A
INSPECTOR: 702-402-3008 OR UGI@NVENERGY.COM
STAND BY: (702) 402-4450, 4150, 4114, 4117, 4118
DISTRICT: LAS VEGAS NORTH DISTRICT

JPA INFORMATION:
JPA ADMIN PHONE: N/A JPA#: N/A

CUSTOMER INFORMATION:
APPLICANT: CITY OF LAS VEGAS
APPLICANT CONTACT: MCCONNELL, RANDY
CONTACT: HALE, JEFF ** 775-445-0879
APPROVAL DATE: 08/31/2021

GOVERNMENT INFORMATION:
AGENCY(S): CLV
APPROVAL DATE(S):

FOR EACH SERVICE POINT (POINT OF DELIVERY), ENERGY FOR EACH TENANT SPACE WILL BE MEASURED THROUGH ONE WATTHOUR METER. ENERGY FOR ALL NON-TENANT SPACE WILL BE MEASURED THROUGH ONE WATTHOUR METER. CONTACT NVE METER OPERATIONS FOR MULTIPLE RATE CLASS INSTALLATIONS.

CITY OF LAS VEGAS PERMIT REQUIRED*

CONTACT CLV LAND DEVELOPMENT (702-229-6371) CLV CONSTRUCTION SERVICES MUST BE NOTIFIED 24 HOURS PRIOR TO COMMENCING CONSTRUCTION (702-229-6337)

HANSEN

DATE

*NVE INSPECTOR MUST BE NOTIFIED BY FAX 48 HOURS PRIOR TO COMMENCING CONSTRUCTION & WILL VERIFY CITY PERMIT FOR WORK DONE IN STREETS OR SIDEWALK.
FAX PERMIT TO:
LAS VEGAS NORTH (RYAN CENTER): 702-402-4354
LAS VEGAS SOUTH (BELTWAY CENTER): 702-402-6864

NVEnergy.

CLV-JACKSON AVENUE COMPLETE STREET PROJECT-SERVICE

JACKSON AVENUE AND F STREET

PROJ #3007379953	SCALE: 1"=30'
SHEET # 1 OF 1	DATE: 6/16/2021

Sharing of this drawing and the information contained herein shall be only to individuals/parties who have entered into an agreement with Applicant for the completion of work associated with this specific project. Use for purposes other than this specific project requires the written consent of NV Energy.