

Appendix E – Improvement Plans

Plotted By: Duvel, Justin Sheet Set: kha Layout: C00.01 November 17, 2022 07:14:36am K:\Nov-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\02 plansheets\092965012 - GN.dwg
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CIVIL IMPROVEMENT PLANS

FOR

AREA 15 DISTRICT 2

APN: 162-08-303-034, 162-08-702-001, & 162-08-702-002

CITY OF LAS VEGAS, NEVADA

PROJECT CONTACTS

OWNER/DEVELOPER
FISHER BROTHERS LAS VEGAS LLC
299 PARK AVENUE
NEW YORK, NEW YORK 10170

CONTACT: KYLE SUTHERLAND
(212)-940-6857

PROJECT ARCHITECT
KGA ARCHITECTURE
9075 W DIABLO DRIVE, SUITE 300
LAS VEGAS, NEVADA 89148

CONTACT: LEE NORSWORTHY
(702)-367-6900

PROJECT SURVEYOR
HERITAGE SURVEYING
1895 VILLAGE CENTER CIRCLE
LAS VEGAS, NEVADA 89134

CONTACT: DENNIS LAYTON, PLS
(702)-474-6277

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
6671 LAS VEGAS BOULEVARD SOUTH, SUITE 320
LAS VEGAS, NEVADA 89119

CONTACT: THOMAS ACKERET, P.E., PTOE
(702)-862-3608

PROJECT INFORMATION

NUMBER OF LOTS: 3

ACREAGE: ±11.06

PROJECT AREA: ±11.06 ACRES

ZONING: INDUSTRIAL DISTRICT (M)

FLOOD ZONE NOTE

THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) INDICATES THAT THE SUBJECT SITE LIES WITHIN ZONE "X" OF FLOOD INSURANCE RATE MAP (FIRM) No. 32003C2170F AS SHOWN ON THE FIRM INDEX, REVISED NOVEMBER 16, 2011. ZONE "X" IS DEFINED BY FEMA AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD FLOODPLAIN".

BENCHMARK

CLARK COUNTY VERTICAL CONTROL BENCHMARK No. "OLV118SSW6"

CITY OF LAS VEGAS PIN AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF DESERT INN ROAD AND POLARIS AVENUE NEAR THE PC OF DESERT INN ROAD.

ELEVATION = 650.346 METERS
2133.676 FEET

CONVERSION TO CLV VERTICAL CONTROL (NAVD88)
ELEVATION = 650.346+0.024m=650.37 METERS
2133.676+0.074'=2133.75 FEET
SEE SHEET C0.01 FOR ADDITIONAL INFORMATION

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING

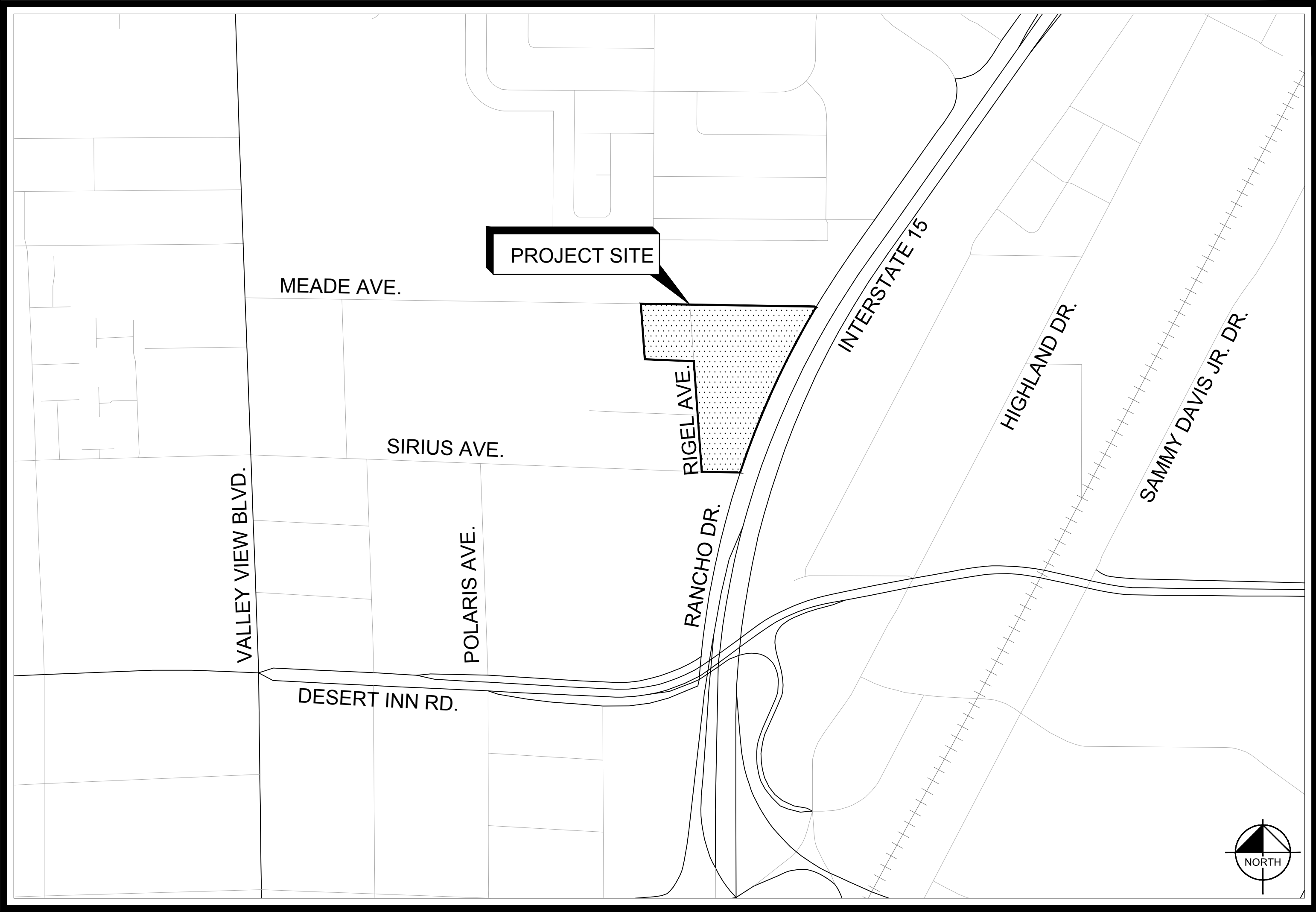
NORTH 87°51'18" WEST, BEING THE BEARING ALONG THE SOUTH LINE OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AND BEING THE CENTERLINE OF SIRIUS AVENUE AS MEASURED BETWEEN VALLEY VIEW BOULEVARD AND RIGEL AVENUE AS SHOWN IN FILE 196, PAGE 060 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

UTILITY NOTE

KIMLEY-HORN AND ASSOCIATES TAKES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN HEREIN. THE EXISTING UTILITIES SHOWN ARE BASED ON INFORMATION PROVIDED BY OTHER PARTIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY THE LOCATIONS AND INVERTS OF THE EXISTING WITHIN THE VICINITY OF CONSTRUCTION ACTIVITIES. IF A CONFLICT IS FOUND TO EXIST, THE CONTRACTOR SHALL COORDINATE THE PROJECT ENGINEER, PROJECT ARCHITECT, AND THE OWNER IMMEDIATELY.

SHEET INDEX

SEE SHEET C0.03 FOR SHEET INDEX.



PROJECT VICINITY MAP

NTS

APPROVALS

CITY OF LAS VEGAS CITY ENGINEER _____ DATE _____

CITY OF LAS VEGAS DEPARTMENT OF COMMUNITY DEVELOPMENT _____ DATE _____

CLV FIRE AND RESCUE _____ DATE _____

LUMEN (DOING BUSINESS AS CENTURYLINK) _____ DATE _____

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.

SOUTHWEST GAS CORPORATION _____ SWG UID _____ DATE _____

COX COMMUNICATIONS LAS VEGAS, INC. _____ DATE _____

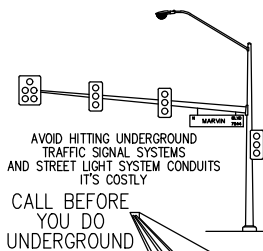
APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

PROJECT No. _____ FIRST APPROVED DATE: _____

CLARK COUNTY WATER RECLAMATION DISTRICT _____ DATE _____

COWRD PIPES #. XX.XXX
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.



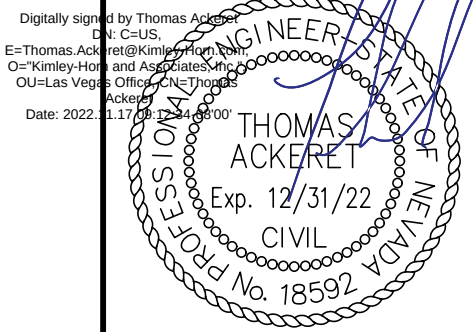
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Overhead
1-800-642-2444 1-702-227-2929

Kimley»Horn

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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM



11/16/2022

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
092965011	11/16/2022	AS SHOWN	TEA	TEA	TEA

COVER SHEET

AREA 15
DISTRICT 2

PREPARED FOR

FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

1 OF 35 SHEETS

C00.01

- 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 CITY ORDINANCES AND STANDARDS OF THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CIVIL PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS PROVIDED BY THE CITY ENGINEER. IF 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. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OTHERS' UTILITIES TO SAFELY PROTECT PERSONNEL, EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ANY COST AND LIABILITY IN CONNECTION THEREWITH.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE; AND ALL SUCH IMPROVEMENTS OR STRUCTURES OF THE CONTRACTOR, EXISTING OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORILY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO USE ON THE PROJECT. CONTRACTOR SHALL GUARANTEE THE STRENGTH OF THE CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:
HORIZONTAL VERTICAL COMPACTION
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
- AS PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS OR CROSS GUTTERS TO BE ADJUSTED TO MATCH THE SLOPE OF THE DRIVEWAY.
- CURB AND GUTTER FLOW TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING CURBS OR STRUCTURES. ALL GRADING OPERATIONS SHALL BE REPAIRED OR REPLACED TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
- ALL GRADING WORK SHALL CONFORM TO THE SOLS REPORT AS PREPARED BY THE (COMPANY, REPORT #, DATE) APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVING CONDITION REQUIRES REPAIR.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS, ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.M.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
- UTILITY COMPANY FIREWORKS, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY KERS, SIDEWALKS, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
- WALL NOTES: ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND RIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT.
- CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEANOUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
- MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MDT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
- WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKERS OR BATTERIES, THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
- AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, THE CONTRACTOR SHALL SCHEDULE CIVIL OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CIVIL SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE POINT OF ENTRY INTO THE STORM DRAIN MAIN, AND THE LOCATION OF ALL PUBLIC SEWER MAINS AND WHEREVER THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT INCLUDING DEFLECTION POINTS.

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.

- HORIZONTAL VERTICAL COMPACTION
- A. PAVEMENT AREA SUBGRADE 0.1" +0.0" TO -0.1" SEE SOILS REPORT
B. ENGINEERED FILL 0.5" +0.1" TO -0.1" SEE SOILS REPORT
- COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. 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.
9. 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.
10. IN THE EVENT THAT TEMPORARY CONSTRUCTION IS REQUIRED THAT IS NOT SHOWN ON THE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.
- REVISED 04/15/10

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.

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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
 5-330-3200

- ALL MAST ARMS TO BE H-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 TENSONS SHALL BE FIELD-INSTALLED IN AN "N" OR "X" PATTERN. THE CONTRACTOR SHALL PROVIDE A PERSONNEL LIST OF ALL PERSONS WHOSE NAMES ARE ON OR FOR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 808 SHEET 2. END 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, INCLUDING THOSE ON THE MAST ARMS, SHALL BE PROTECTED AGAINST CORROSION BY APPLICATION OF AN ANTI-RUST COATING.
19. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATORS, 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 WELL AS "LEFT TURN" AND "RIGHT TURN" MESSAGES. THE MESSAGE DISPLAYS SHALL BE CAPABLE OF RECEIVING ALL THE FOLLOWING CALLS TO THE CONTROLLER. 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.
20. VIDEO DETECTION SYSTEMS SHALL BE PROVIDED FOR EACH TRAFFIC SIGNAL. THE CONTRACTOR SHALL CALL TO THE CONTROLLER THROUGH AN SDC CABLE. SYSTEMS WILL BE EITHER EYES EDGE 2-IN PROCESSORS WITH VRACKS+PS, EDGE2-TS2-IMP-PAK AND EDGECONNECT PAK, (IP ADDRESSABLE); PEK VIDEOtrak IO (WITH ETHERNET PORT AND RS-485); ECONEUTRON POSITIONING SYSTEM WITH COMM MANAGER AND FRONT-END PROGRAMMING KIO; OR THE UNBUILT, BNC OR TRACON LINK VIDEOCABINET WITH NEWCOM VIDEOCAM. THE VIDEO DETECTION SYSTEM 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 MANUAL MUST BE PROVIDED FOR EACH SYSTEM. SOFTWARE REQUIRED FOR PROGRAMMING THE VIDEO DETECTION SYSTEM AND APPROPRIATE SOFTWARE WILL BE SUPPLIED WITH EACH VIDEO SYSTEM. PERSONAL COMPUTER (PC) MAY NOT BE SUBSTITUTED FOR LAPTOPS. A VIDEO MONITOR (COLOR FLAT SCREEN) 9" TO 13" WILL BE SUPPLIED WITH EACH VIDEO DETECTION SYSTEM. EACH CAMERA WILL HAVE POWER AND VIDEO CABLE DIRECTLY FROM THE CABINET. VIDEO CABLE WILL BE MODEL 828-1500 (SEE MANUFACTURER). CAMERAS THAT ARE PREPARED FOR COAXIAL CABLE INTEGRATING POWER AND VIDEO INTO SINGLE WEATHERPROOF CONNECTOR ARE ACCEPTABLE. "BNC" AND "OTHER" 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 "L" OR "T") TO CLEAR THE SIGNAL LAMP HOUSINGS. THE VIDEO DETECTION SYSTEM 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 COMMUNICATION CARDS SHALL BE PROVIDED WITH THE LATEST VERSIONS OF THE MANUFACTURER'S SOFTWARE. THE CONTRACTOR SHALL INSTALL 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 SHOWN ON THE TRAFFIC SIGNAL PLANS. WHERE THE DETECTOR LOOPS ARE TO BE OVERLAID WITH EXISTING PAVEMENT, THE 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-CABLE SHALL BE 6-PAIR 18 AWG MULTIPLE CONDUCTOR CABLE AS SPECIFIED IN SECTION 623 T.02.04 OF THE SPECIFICATIONS. THE CONTRACTOR SHALL MARK THE LOCATION OF THE 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 TEFO TRAFFIC SIGNAL SUPERVISOR. THE CONTRACTOR SHALL 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 OPTIC PHASE SELECTOR INSTALLED IN A MODEL 760 RACK WITH A MODEL 768 AUXILIARY INTERFACE PANEL (AIP) INSTALLED IN THE OPACIN SIGNAL CABINET. THE OPTIC PHASE SELECTOR SHALL BE INTERFACED TO THE 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 INTERFACED WITHOUT THE NEED FOR A CROSSWALK STOP BAR STRIPING. THE NORTHBOUND OPTICOM DETECTOR SHALL BE INTERFACED WITHOUT THE NEED FOR A CROSSWALK STOP BAR STRIPING. THE WESTBOUND OPTICOM DETECTOR SHALL BE INTERFACED WITHOUT THE NEED FOR A CROSSWALK STOP BAR STRIPING. THE EASTBOUND OPTICOM DETECTOR SHALL BE INTERFACED WITHOUT THE NEED FOR A CROSSWALK STOP BAR STRIPING. WHEN 764 PHASE SELECTORS ARE ADDED TO A CABINET WITHOUT A 768 AIP, THE CONTRACTOR SHALL CONSULT WITH THE SIGNAL ENGINEER AND THE TRAFFIC SIGNAL SUPERVISOR.
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 CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
24. INTERSECTION CABLE SHALL BE INSTALLED TO THE TRAFFIC SIGNAL CABINET.
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 T.02.04 OF THE CLV SPECIAL PROVISIONS.
- REVISED DECEMBER 1, 2021

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 DISTRICTS - 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 OF 1,500 GPM @ 20 PSI.
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 THERE SHALL HAVE FOUR (4) TRAFFIC LANES AND HAVE A TRAFFIC CONTROL LIGHTS AT THE 30,000 PER DAY HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACING 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 OBSTACLE. IFC § C102.10
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO SINGLE FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.4
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, THE CONTROL VALVE SHALL BE INSTALLED SUCH THAT NO MORE THAN 2 FIRE HYDRANTS AND/OR FIRE LINES AND/OR 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 § 507.5.7.2
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 NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC § 503.2.7, § 503.2.8
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 152 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. IFC § 503.2.4
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13 FT 6 INS. IFC § 503.2.2
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNSTRUCTURED WIDTH OF NOT LESS THAN 33 FT WITH PARKING ON BOTH SIDES MEASURED TO FACE OF CURB, NOT LESS THAN 28 FT WIDE WITH PARKING RESTRICTED TO ONE SIDE MEASURED TO FACE OF CURB, NOT LESS THAN 24 FT WIDE WITH NO PARKING ON EITHER SIDE MEASURED TO FACE OF CURB. FIRE LANE WIDTHS OF 20 FT SHALL BE ALLOWED FOR LOCAL TRAFFIC. IFC § 503.2.1.1
24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXISTING OR PROPOSED STREET OR ALLEY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. IFC § 503.1.1
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 200 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT, CLV REGULATION AND MOU
26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LINES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. CLV REGULATION
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE ROAD AND AT A MINIMUM OF 100 FT INTERVALS. THE SIGNS SHALL BE PLACED IN THE CENTER OF THE ROAD OR IN THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL, THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PLACED AT A MINIMUM OF 10 FT FROM THE SIGN. IFC § 503.3
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. IFC § 503.6
29. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS, OR HAVING FOUR OR MORE TRAVEL LANES AND A TRAFFIC COUNT OF MORE THAN 30,000 VEHICLES PER DAY, ALL HYDRANTS BEING UTILIZED TO DELIVER FIRE FLOW TO THE PROPOSED LOCATION SHALL BE LOCATED ON THE SAME SIDE OF THE STREET AS THE PROPOSED DEVELOPMENT. CLV REGULATION

CITY OF LOS ANGELES - CENTER FOR THE ARTS

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

- REvised 09/16/20

GENERAL NOTES

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SOUTHWEST GAS CORPORATION	SWG UID	DATE
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1. NO WORK SHALL BEGIN UNTIL THE PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN TO THE LVVMD COMMUNICATION SUPPORT CENTER PRIOR TO THE REQUESTED LVVMD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS), THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVMD OPERATIONS DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD APPROVED PRODUCT'S LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.
14. THE INSTALLATION OF LVVMD MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVMD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.
15. ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE ADJACENT PROPERTY OWNER. IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION, DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVMD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY THE PROPERTY OWNER AT AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVMD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVMD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.
16. NO LEAD COMPLIANCE NOTE:
TO COMPLY WITH THE FEDERAL LEAD-CONTAINING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE INSTALLED BY THE LVVMD SHALL BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES

STORMWATER MANAGEMENT NOTES

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION PROJECT, SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNRESOLVED EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERMITS STANDARDS SPECIFIED IN CLARK COUNTY AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS CONSTRUCTION OF THE PROJECT BEGINS. WHEN CONSTRUCTION OF THE PROJECT ON A DISTURBED AREA SITE HAS TEMPORARILY OR PERMANENTLY CEASED, SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NR100000, SITE STABILIZATION REQUIREMENTS, SCHEDULES, AND DEADLINES.
4. THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPs WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR SHALL IMMEDIATELY UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN, AS NECESSARY, TO SOME EXCEPTIONS TO WEEKLY INSPECTIONS SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NR100000, INSPECTIONS SECTION.
5. THE CONTRACTOR SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.
6. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL RESPOND TO STORMWATER INSPECTION CORRECTIVE ACTION REQUESTS WITHIN 24 HOURS OF THE DATE OF THE REQUEST, BUT NOT LIMITED TO PROVIDING PHOTOS AND DESCRIPTIONS OF THE CORRECTIONS COMPLETED BY THE CONTRACTOR OR HIS AGENT.

	GRADE BREAK		SIGHT VISIBILITY ZONE (SVZ)
	LIMITS OF CONSTRUCTION/SAWCUT LINE		
	RIGHT OF WAY LINE		
	CENTERLINE		
EXISTING	PROPOSED	DESCRIPTION	
		EASEMENT	
		CONTOUR MAJOR	
		CONTOUR MINOR	

AB	AT	LID	LOW IMPACT DESIGN
AB	AGGREGATE BASE	LF	LINEAR FEET
AC	ASPHALTIC CONCRETE	LT	LEFT
AVE	AVENUE	LWVMD	LAS VEGAS VALLEY WATER DISTRICT
BC	BACK OF CURB	MAX	MAXIMUM
BCR	BEGIN CURB RETURN	MEP	MECHANICAL, ELECTRICAL AND PLUMBING
BLVD	BOULEVARD	MH	MANHOLE
BM	BENCHMARK	MIN	MINIMUM
BVC	BEGIN VERTICAL CURVE	N	NORTH
BW	BOTTOM OF WALL	NTS	NOT TO SCALE
B/S	BACKSIDE	N/S	NORTH/SOUTH
CALC	CALCULATED	OC	ON CENTER
CC	CLARK COUNTY	P.A.E	PUBLIC ACCESS EASEMENT
CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWING	P.C	POINT OF CURVATURE
CL	CENTERLINE	PCC	POINT OF COMPOUND CURVATURE
CON	CONNECTION	PR	PROPOSED
CITY	CABLE TELEVISION	PRC	POINT OF REVERSE CURVATURE
CY	CUBIC YARD	PT	POINT OF TANGENCY
Δ	DELTA (DIFFERENCE) / ANGLE	PVC	POLYVINYL CHLORIDE
D	DEPTH	PVI	POINT OF VERTICAL INFLECTION
DD	DECOMPOSED GRANITE	R	RADIUS
DI	DUCTILE IRON	RCB	REINFORCED CONCRETE BOX
E	EAST	RCP	REINFORCED CONCRETE PIPE
EACH	EACH	RT	RIGHT
ECR	END CURB RETURN	R/W	RIGHT OF WAY
ELEV	ELEVATION	S	SOUTH
ELEC	ELECTRICAL	SD	STORM DRAIN
EOP	EDGE OF PAVEMENT	SF	SQUARE FOOT OR FEET
EVIC	END VERTICAL CURVE	SS	SANITARY SEWER
EX.	EXISTING	SSMH	SANITARY SEWER MANHOLE
E/W	EAST/WEST OR EACH WAY	ST	STREET
F-F	FACE OF CURB TO FACE OF CURB	STL	STEEL
FG	FINISHED GROUND	STD	STANDARD
FH	FIRE HYDRANT	SY	SQUARE YARDS
FS	FINISHED SURFACE	TC	TOP OF CURB
FL	FLOWLINE	TOG	TOP OF GRATE
FT	FOOT OR FEET	TYP	TYPICAL
GB	GRADE BREAK	TW	TOP OF WALL
H	HEIGHT	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
HDPE	HIGH-DENSITY POLYETHYLENE	VERT	VERTICAL
HPT	HIGH POINT	W	WEST OR WATER
INT	INTERSECTION	WL	WATERLINE
INV	INVERT	WTR	WATER
L	LENGTH	±	PLUS OR MINUS
LA	LANDSCAPE ARCHITECT		

2 OF 35 SHEETS		AREA 15		GENERAL NOTES		KHA PROJECT 092965011	
C00.02		DISTRICT 2				DATE 11/16/2022	
PREPARED FOR		FISHER BROTHERS LAS VEGAS, LLC				SCALE AS SHOWN	
CITY OF LAS VEGAS		NEVADA				DESIGNED BY TEA	
						DRAWN BY TEA	
						CHECKED BY TEA	

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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 ENROACHMENTS 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 ENROACHED 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 PAYMENT 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 OCCAUS 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) 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.

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CCWRD SANITARY SEWER GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION AND THE UNIFORM STANDARDS FOR PUBLIC WORKS OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION.
2. ANY CONFLICTS BETWEEN THESE DOCUMENTS AND THE STANDARDS REFERENCED IN NOTE 1 MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD PRIOR TO PERFORMING ANY WORK.
3. ALL REVISIONS OF THE APPROVED PLANS MUST BE SUBMITTED TO THE CLARK COUNTY WATER RECLAMATION DISTRICT (DISTRICT) FOR REVIEW AND BE APPROVED PRIOR TO PROCEEDING WITH THE WORK. ALL WORK CONSTRUCTED WITHOUT THE APPROVAL OF THE DISTRICT MUST BE REMOVED AT THE CONTRACTORS EXPENSE.
4. ALL SANITARY SEWERS SHALL BE PVC SDR-35 SOLID WALL UNLESS OTHERWISE NOTED.
5. ALL SANITARY SEWER MAINS 8-INCHES AND LARGER AND ALL STUBS 8 INCHES AND LARGER ENTIRELY WITHIN THE PUBLIC RIGHT OF WAY SHALL BE PUBLIC UNLESS OTHERWISE NOTED. ALL ON SITE SEWER INFRASTRUCTURE SHALL BE PRIVATE UNLESS OTHERWISE NOTED.
6. ALL SANITARY SEWER MAINS SHALL BE THE SAME MATERIAL, SIZE, & SLOPE BETWEEN MANHOLES.
7. ALL SEWER MAINS SHALL BE IN THEIR OWN TRENCHES. THERE WILL BE NO SHARED TRENCHES ALLOWED.
8. THE MINIMUM SLOPES FOR ALL PIPES SHALL BE IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS.
9. ALL SANITARY SEWER MANHOLES MUST BE LOCATED SUCH THAT THEY ARE ACCESSIBLE IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS.
10. A DEBRIS TRAP MUST BE INSTALLED IN THE EXISTING SYSTEM AT THE POINT OF CONNECTION IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS.
11. ALL EXISTING MANHOLE CORROSION PROTECTION SYSTEMS MUST BE RESTORED TO THEIR ORIGINAL CONDITION, IF MODIFIED.
12. LOCATOR RIBBON AND MARKER BALLS SHALL BE PLACED ABOVE ALL NEW SEWER MAINS AND LATERALS IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS.
13. ALL EXISTING GRADE MUST BE RAISED TO WITHIN 18-INCHES OF FINAL GRADE PRIOR TO ANY SEWER TRENCHING.
14. PRIVATE SANITARY SEWER NOT REVIEWED OR APPROVED BY CCWRD.

I CERTIFY THAT THE ONLY DEVIATIONS FROM THE DESIGN AND CONSTRUCTION STANDARDS THAT ARE APPROVED BY THE CCWRD ARE LISTED BELOW:

- NONE

THOMAS ACKERET, P.E. #018592 DATE

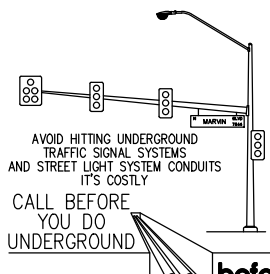
CLARK COUNTY WATER RECLAMATION DISTRICT DATE

CCWRD PIPES: # XX.XX
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ENGINEER'S ESTIMATE OF PUBLIC UTILITY QUANTITIES

PUBLIC WATER QUANTITIES		
ITEM	PUBLIC QUANTITY	UNIT TYPE
	-	LF
	-	LF
	-	EA
	-	EA

SANITARY SEWER QUANTITIES				
ITEM	PUBLIC QUANTITY	UNIT TYPE	PRIVATE QUANTITY	UNIT TYPE
	-	LF	-	LF
	-	LF	-	LF
	-	EA	-	EA
	-	EA	-	EA
	-	EA	-	EA



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Kimley»Horn

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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-882-3600
WWW.KIMLEY-HORN.COM

THOMAS ACKERET
Exp. 12/31/22
CIVIL
No. 18592

11/16/2022

KHA PROJECT
092965011

DATE
11/16/2022

SCALE
AS SHOWN

DESIGNED BY
TEA

DRAWN BY
TEA

CHECKED BY
TEA

GENERAL NOTES,
LEGEND, &
ABBREVIATIONS

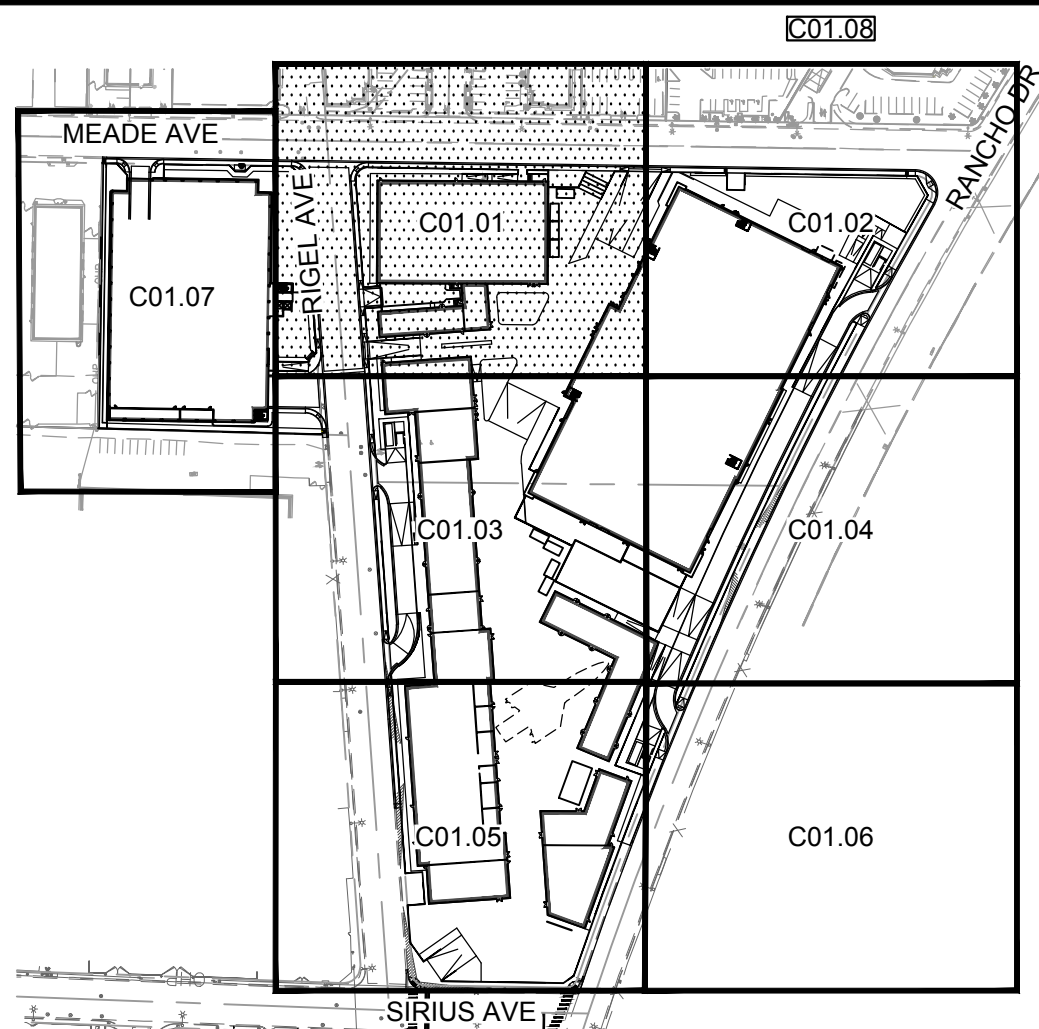
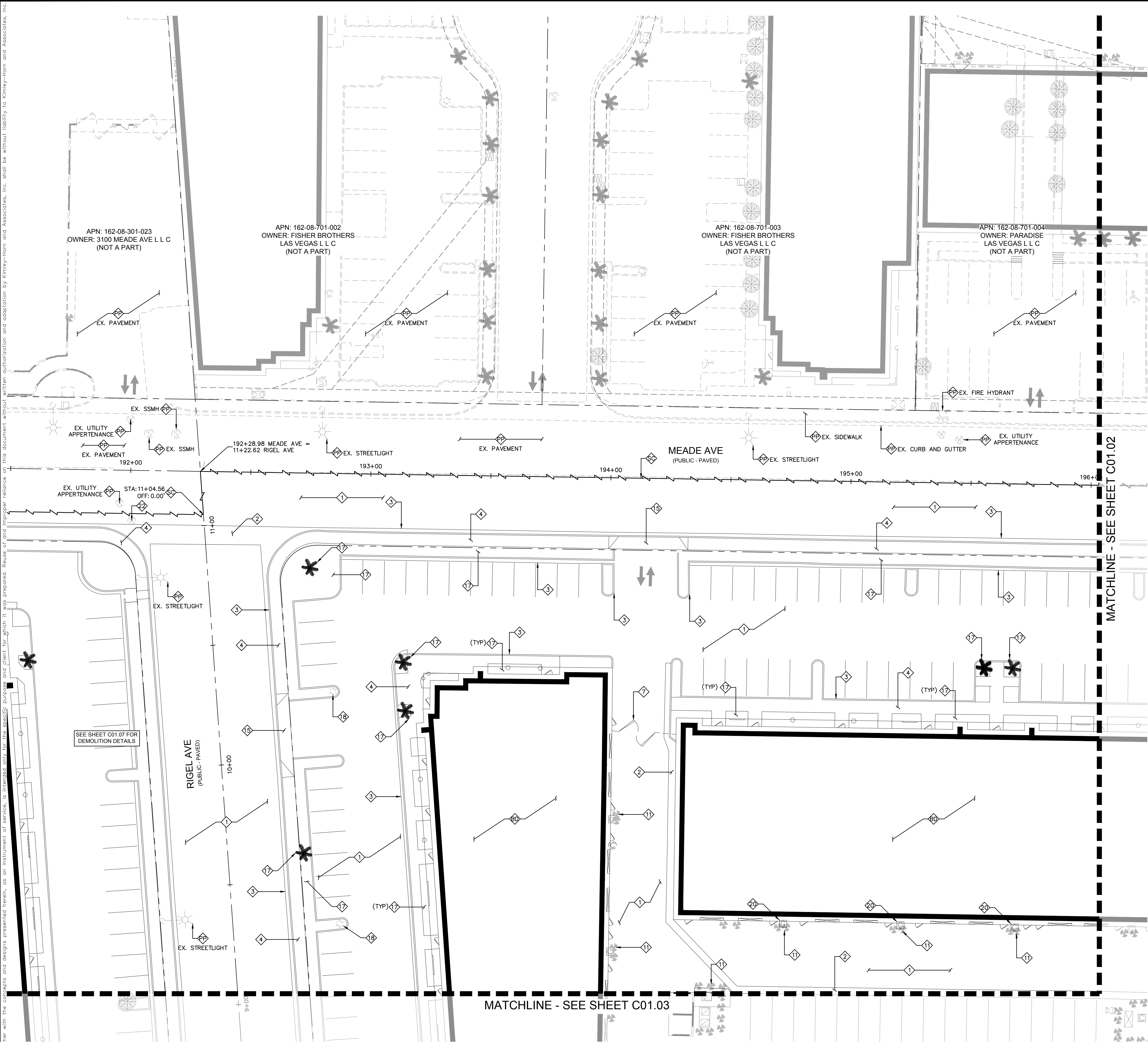
AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

3 OF 35 SHEETS

C00.03

Plotted By: Duvel, Justin Sheet Set: kha Layout: C01.01 November 17, 2022 07:15:21am K:\Nov-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\02 plansheets\092965012 - DM.dwg

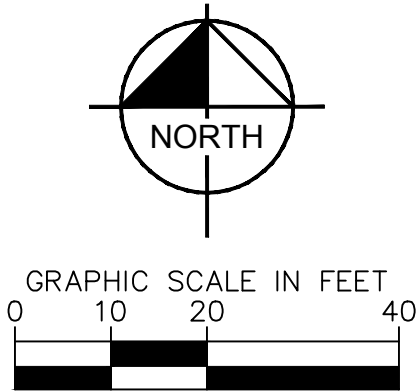
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- KEY MAP**
NTS
- GENERAL NOTES**
1. REFER TO SHEET C0-02 FOR LEGEND AND ABBREVIATIONS.
 2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
 3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
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 17. REMOVE EXISTING LANDSCAPE AREA.
 18. REMOVE EXISTING LIGHT. REMOVE FOUNDATION IN ITS ENTIRETY.
 20. REMOVE/RELOCATE UTILITY APPURTENANCE PER UTILITY PLANS.
 22. PROTECT EXISTING UTILITY APPURTENANCE AND ADJUST TO GRADE.
 26. DEMOLISH BUILDING, SEE BUILDING DEMOLITION PLANS FOR DETAILS.
 27. PROTECT IN PLACE.
 28. SAWCUT LINE/MATCH EXISTING.

CLARK COUNTY WATER RECLAMATION DISTRICT		DATE
COWRD PIPES # <u>XX.XXX</u>		
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APPROVED FOR CONSTRUCTION		
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES		
PROJECT No. <u>TBD</u>	FIRST APPROVED DATE: <u> </u>	
LVWWD APPROVED FIRE FLOW: TOTAL <u>X.XXX</u> GPM/ONSITE <u>X.XXX</u> GPM		

BENCHMARK
CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV18NEE6"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET
CONVERSION TO CLV VERTICAL CONTROL (NAVD88)
ELEVATION = 635.481+0.024m=635.505 METERS
2084.91+0.074'=2133.984 FEET
SEE SHEET C0-01 FOR ADDITIONAL INFORMATION
CITY OF LAS VEGAS VERTICAL CONTROL DATUM OF 1988 (NAVD '88 V.2018)
BASIS OF BEARING
SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



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1-702-227-2929

Avoid overhead power line contact. It's costly.

SOUTHWEST GAS CORPORATION	SWG UID	DATE
CITY OF LAS VEGAS FIRE AND RESCUE		DATE

Kimley-Horn

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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

THOMAS ACKERLEY
Exp. 12/31/22
CIVIL
No. 18592

KHA PROJECT	092965011
DATE	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA

AREA 15 DISTRICT 2

DEMOLITION PLAN - SHEET 1

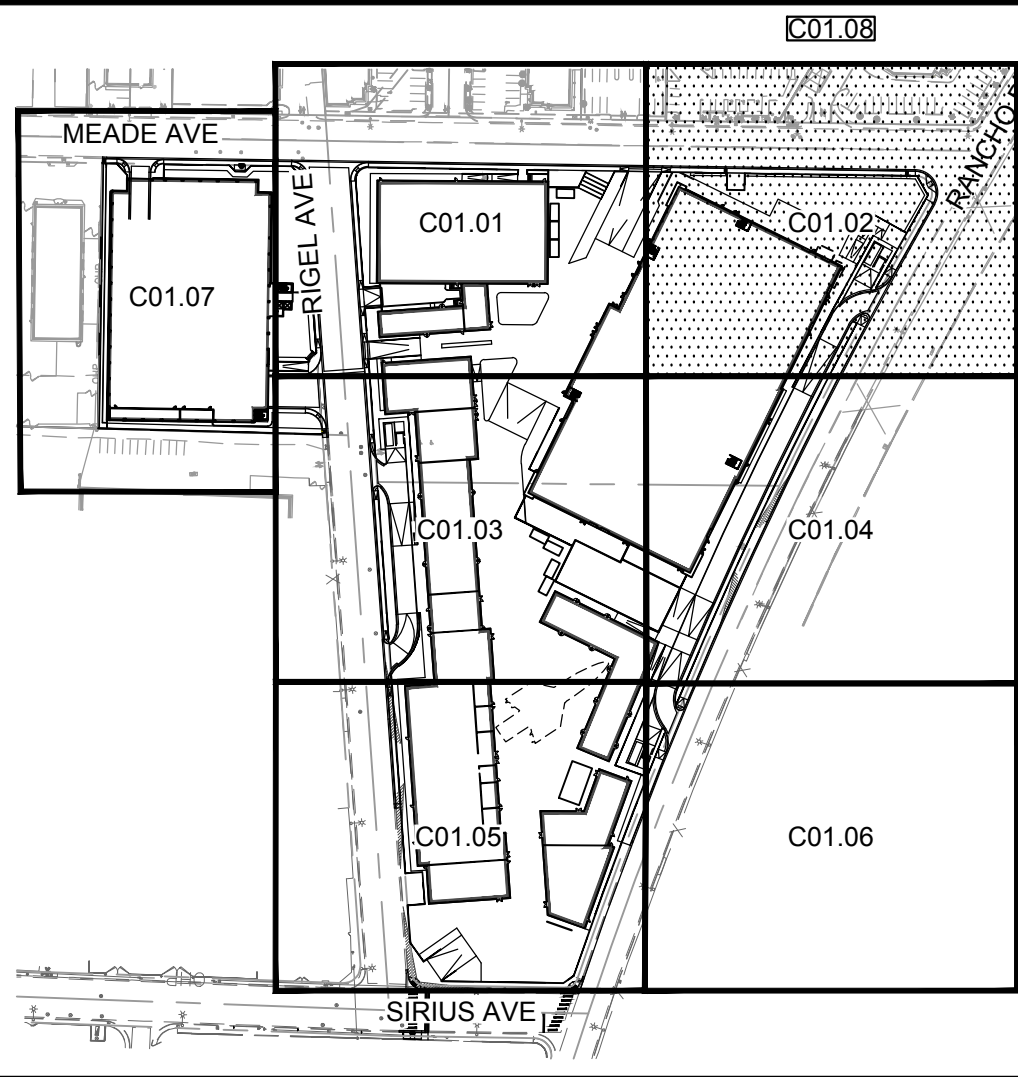
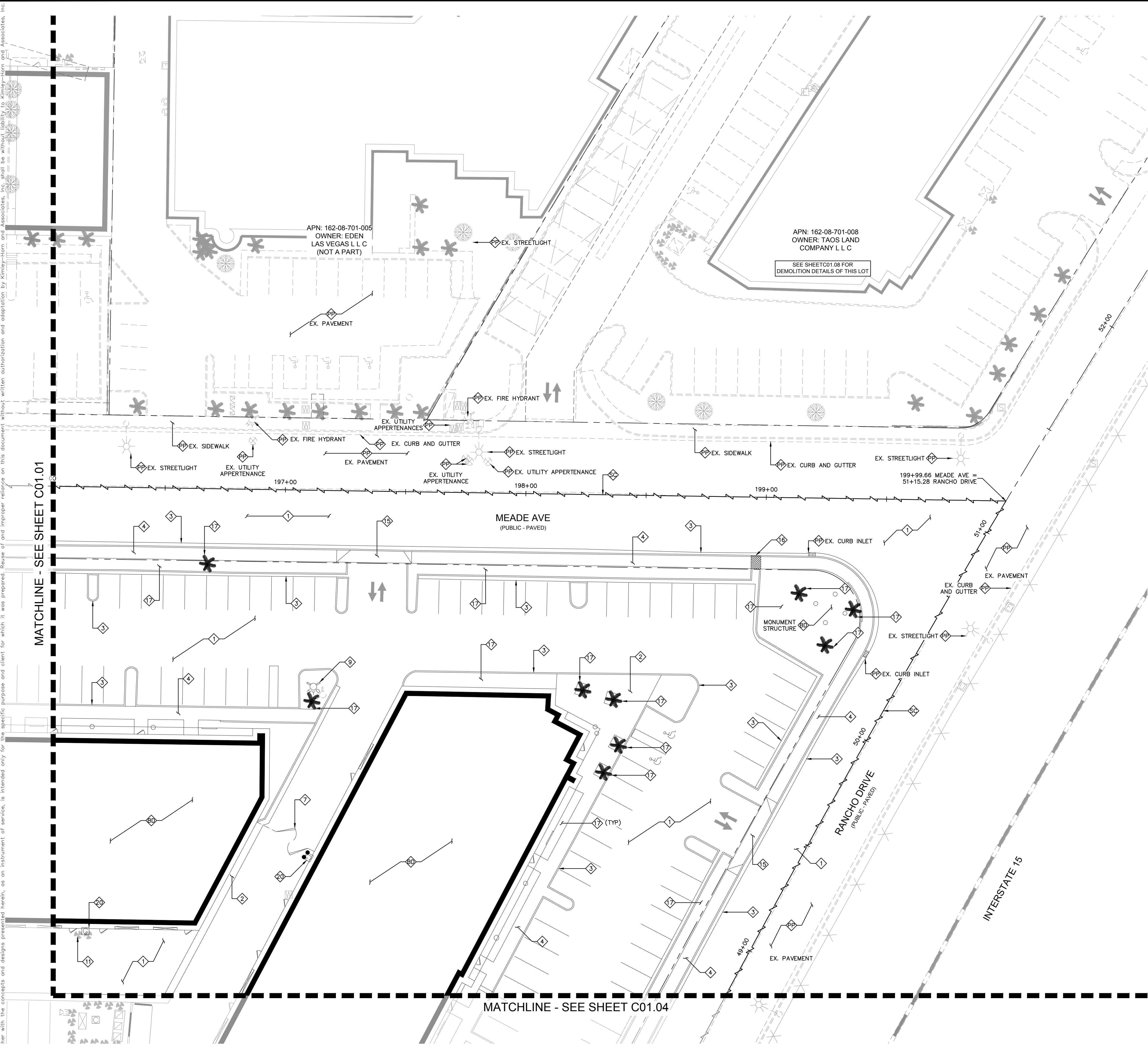
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC

CITY OF LAS VEGAS
NEVADA

4 OF 35 SHEETS
C01.01

Plotted By: Duvel, Justin Sheet Set: kha Layout: C01.02 November 17, 2022 07:15:36am K:\Nov-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\02 plansheets\092965012 - DM.dwg

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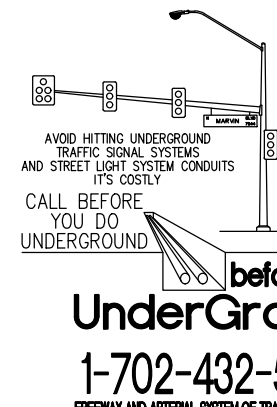
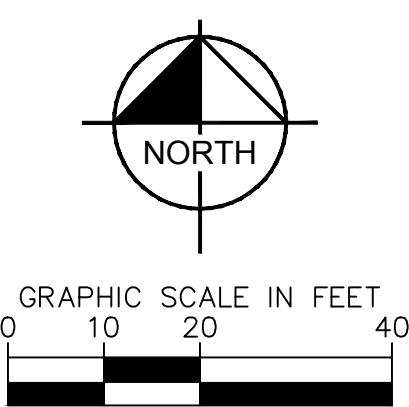
CLARK COUNTY WATER RECLAMATION DISTRICT		DATE
CCWRD PIPES # <u>XX.XXX</u>		
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LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES		
PROJECT No. <u>TBD</u>	FIRST APPROVED DATE: <u>11/16/2022</u>	
LVWVD APPROVED FIRE FLOW: TOTAL <u>X.XXX</u> GPM/ONSITE <u>X.XXX</u> GPM		

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV18NEE6"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET
CONVERSION TO CLV VERTICAL CONTROL (NAVD88)
ELEVATION = 635.481+0.024m=635.505 METERS
2084.91+0.074'=2133.984 FEET
SEE SHEET C001 FOR ADDITIONAL INFORMATION
CITY OF LAS VEGAS VERTICAL CONTROL DATUM OF 1988 (NAVD '88 V.2018)
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

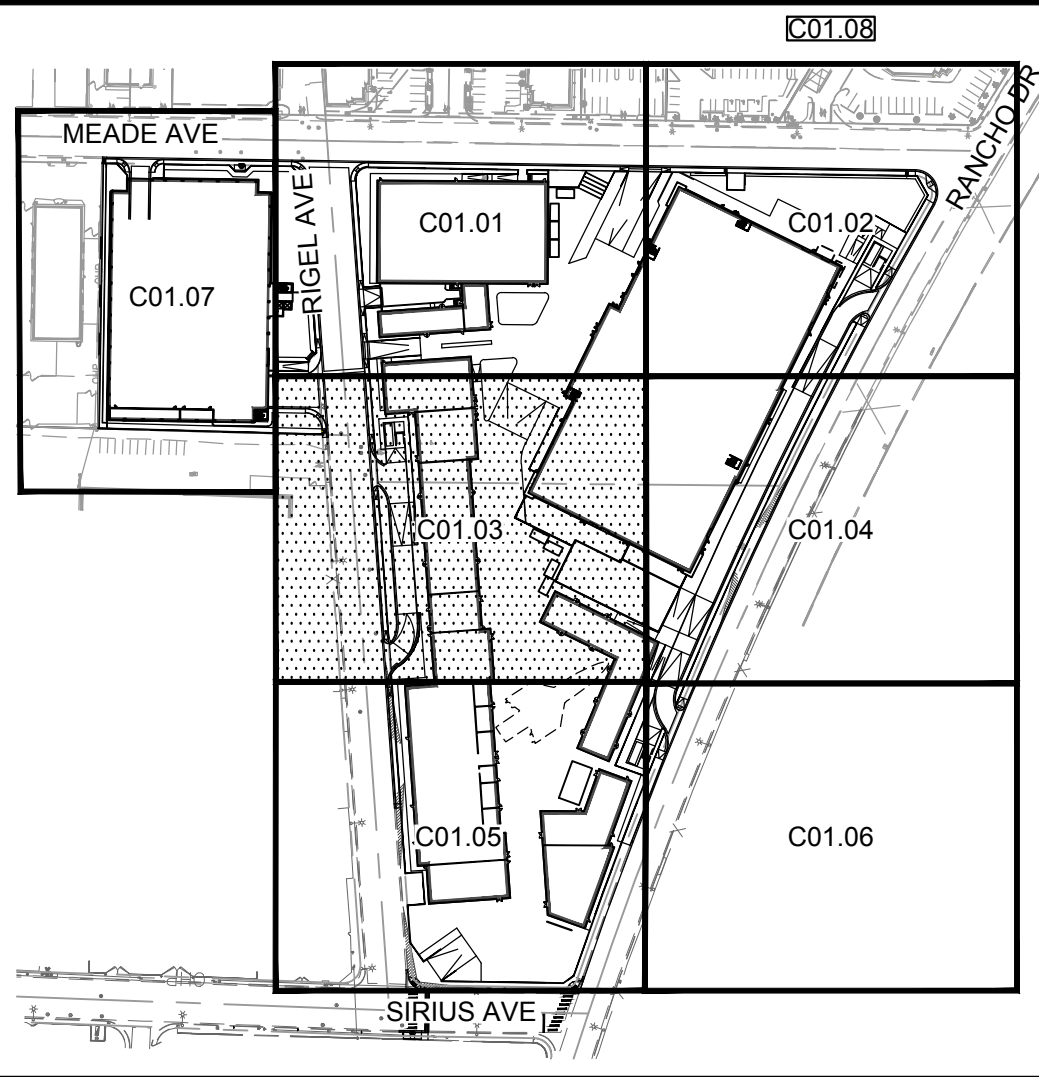
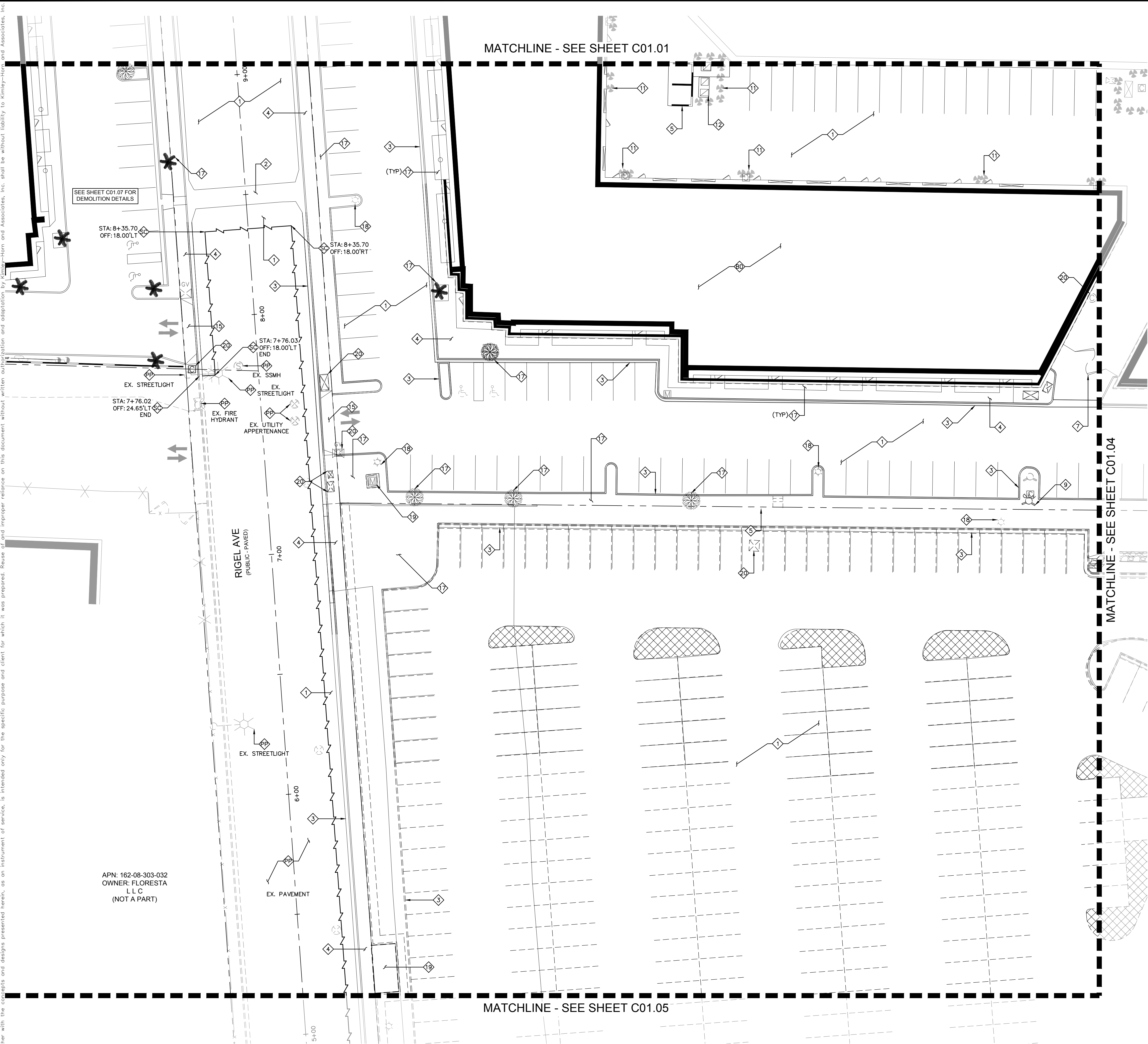
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KHA PROJECT 092965011		DATE 11/16/2022		SCALE AS SHOWN		DESIGNED BY TEA		DRAWN BY TEA		CHECKED BY TEA	
KIMLEY-HORN ENGINEERS, INC.		THOMAS ACKERLEY		Exp. 12/31/22		CIVIL		11/16/2022			
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Kimley-Horn											
AREA 15		DISTRICT 2		PREPARED FOR FISHER BROTHERS LAS VEGAS, LLC		CITY OF LAS VEGAS		NEVADA			
5 OF 35 SHEETS		C01.02									

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- 19 REMOVE/RELOCATE EXISTING WATER METERS PER W SHEETS.
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- 26 DEMOLISH BUILDING, SEE BUILDING DEMOLITION PLANS FOR DETAILS.
- 27 PROTECT IN PLACE.
- 28 SAWCUT LINE/MATCH EXISTING.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV11BNEE"

RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

ELEVATION = 635.481 METERS
2084.91 FEET

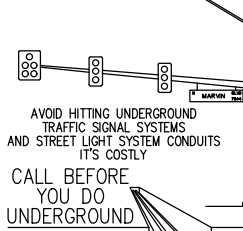
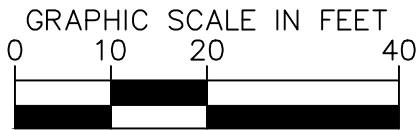
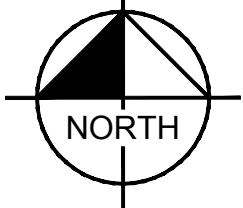
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SEE SHEET C0-01 FOR ADDITIONAL INFORMATION

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OWNER: FLORESTA
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CLARK COUNTY WATER RECLAMATION DISTRICT
DATE
COWRD PIPES # XX.XXX
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR THE APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES
PROJECT No. TBD FIRST APPROVED DATE:
LVVWD APPROVED FIRE FLOW: TOTAL X.XXX GPM/ONSITE X.XXX GPM

CLARK COUNTY VERTICAL CONTROL
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AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

DEMOLITION PLAN -
SHEET 3

6 OF 35 SHEETS
C01.03

Kimley»Horn

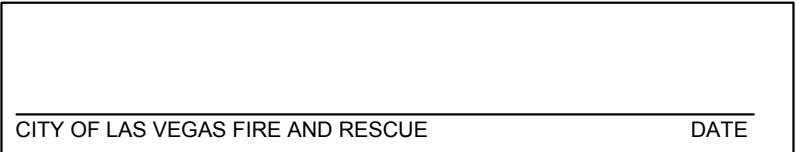
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THOMAS ACKERLEY
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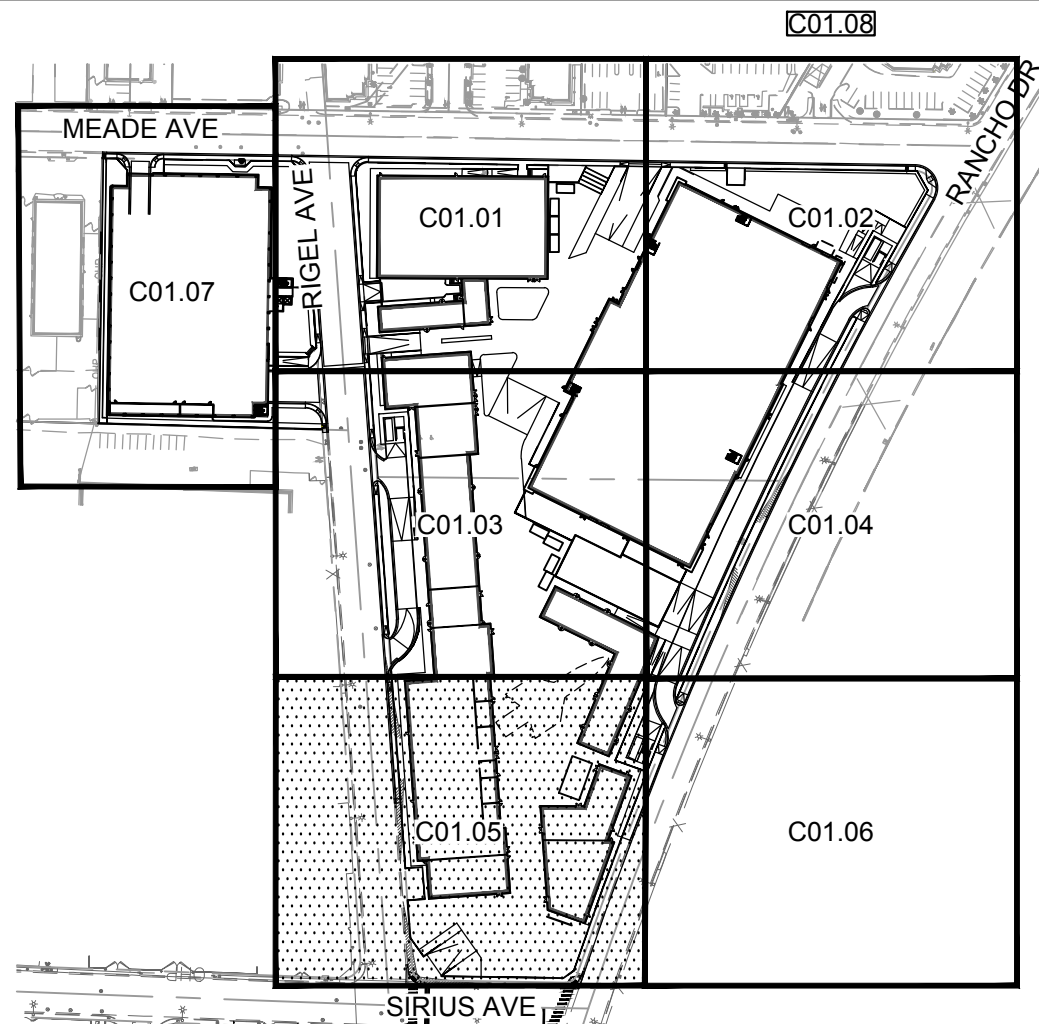
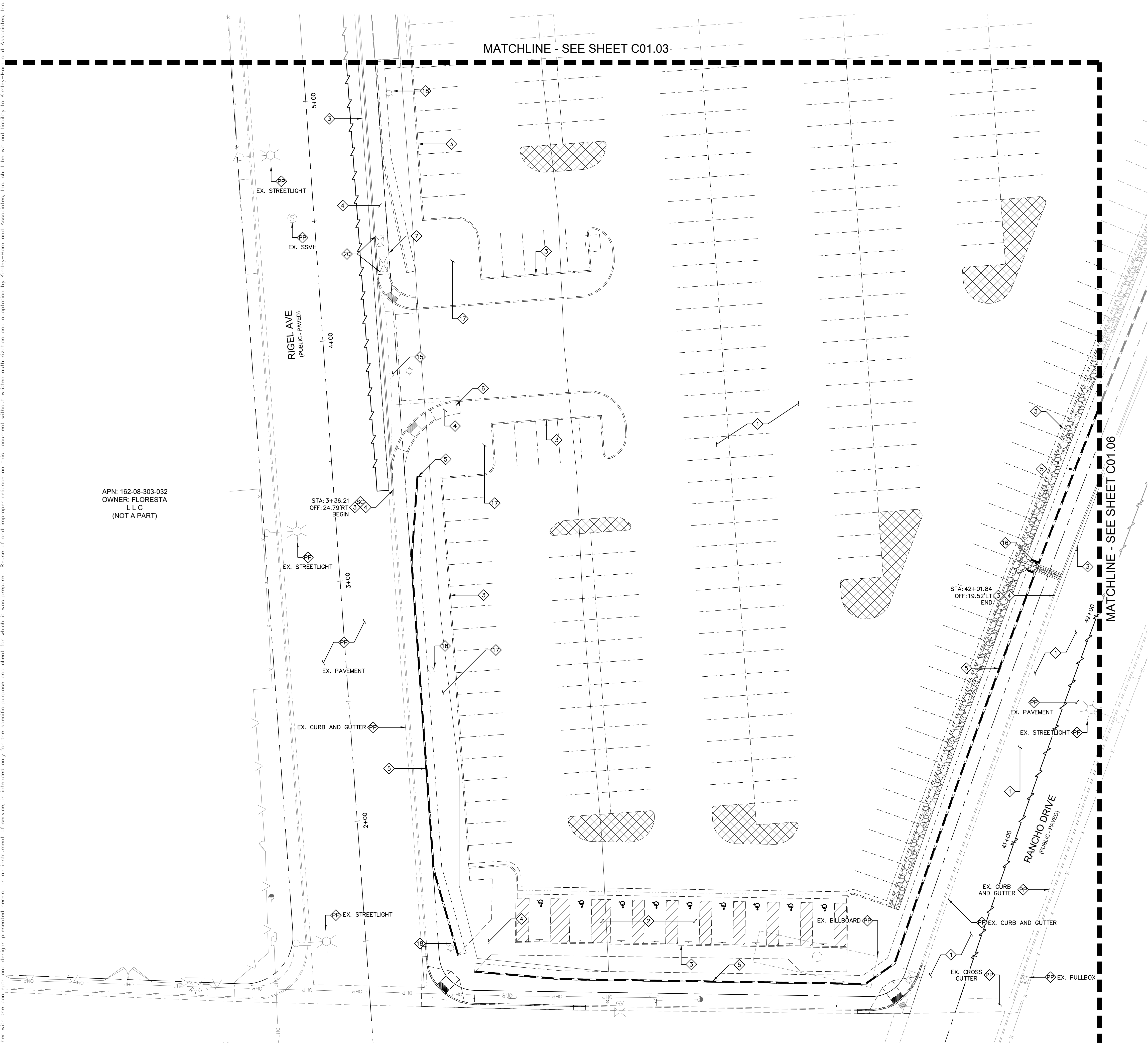
KHA PROJECT	092965011
DATE	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA

REVISIONS	DATE	BY



7 OF 35 SHEETS
C01.04

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CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV11BNEE6"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET
CONVERSION TO CLV VERTICAL CONTROL (NAVD88)
ELEVATION = 635.481+0.024m=635.505 METERS
2084.91+0.074'=2133.984 FEET
SEE SHEET C00.01 FOR ADDITIONAL INFORMATION
CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)
BASIS OF BEARING
SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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KHA PROJECT 092965011		DATE 11/16/2022	SCALE AS SHOWN	DESIGNED BY TEA	DRAWN BY TEA	CHECKED BY TEA	11/16/2022
APR 11 2022		THOMAS ACKERLEY	CIVIL	Exp. 12/31/22			
KIMLEY-HORN ENGINEERS, INC.		© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119 PHONE: 702-862-3600 WWW.KIMLEY-HORN.COM					
Kimley-Horn		© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119 PHONE: 702-862-3600 WWW.KIMLEY-HORN.COM					
AREA 15		DISTRICT 2		PREPARED FOR FISHER BROTHERS LAS VEGAS, LLC			
DEMOLITION PLAN - SHEET 5		CITY OF LAS VEGAS		NEVADA			
8 OF 35 SHEETS		C01.05					



-MATCHLINE - SEE SHEET C01.05

INTERSTATE 15

RANCHO DRIVE
(PUBLIC - PAVED)

EX. PAVEMENT

EX. STREETLIGHT

EX. CURB
AND GUTTER

➤ EX. STREETLIGHT

GENERAL NOTES

1. REFER TO SHEET C0.02 FOR LEGEND AND ABBREVIATIONS.
2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
3. THE CONTRACTOR SHALL VERIFY EXISTING CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
5. THE CONTRACTOR SHALL PROTECT IN PLACE EX. IMPROVEMENTS, THAT ARE NOTED TO REMAIN, DURING DEMOLITION AND CONSTRUCTION.
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DEMOLITION NOTES

- ① REMOVE EXISTING ASPHALT SECTIONS TO DEPTH NEEDED FOR PROPOSED STRUCTURAL SECTION (LIMITS AS NOTED ON PLAN).
- ③ REMOVE EXISTING CURB TO NEAREST JOINT, LIMITS AS SHOWN ON PLANS.
- ④ REMOVE EXISTING SIDEWALK TO NEAREST JOINT, LIMITS AS SHOWN ON PLAN.
- ⑤ REMOVE EXISTING WALL.
- ⑩ REMOVE EXISTING SIDEWALK UNDERDRAIN.
- ⑪ PROTECT IN PLACE.
- ⑫ SAWCUT LINE/MATCH EXISTING.

CLARK COUNTY WATER RECLAMATION DISTRICT		DATE
CCWRD PIPES # : <u>XX XXX</u> SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR THE APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.		
APPROVED FOR CONSTRUCTION		
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES		
PROJECT No. <u>TBD</u>	FIRST APPROVED DATE: <u> </u>	
LVWD APPROVED FIB FLOW: TOTAL <u>X.XXX</u> GPM/ONSITE <u>X.XXX</u> GPM		

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"

RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

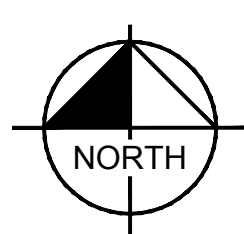
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SEE SHEET C0.01 FOR ADDITIONAL INFORMATION

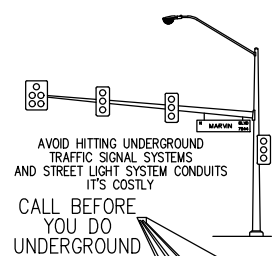
SEE SHEET C0.01 FOR ADD
CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
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GRAPHIC SCALE IN FEET



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Avoid overhead power line contact. It's costly

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OR
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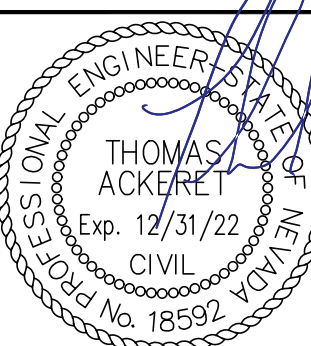
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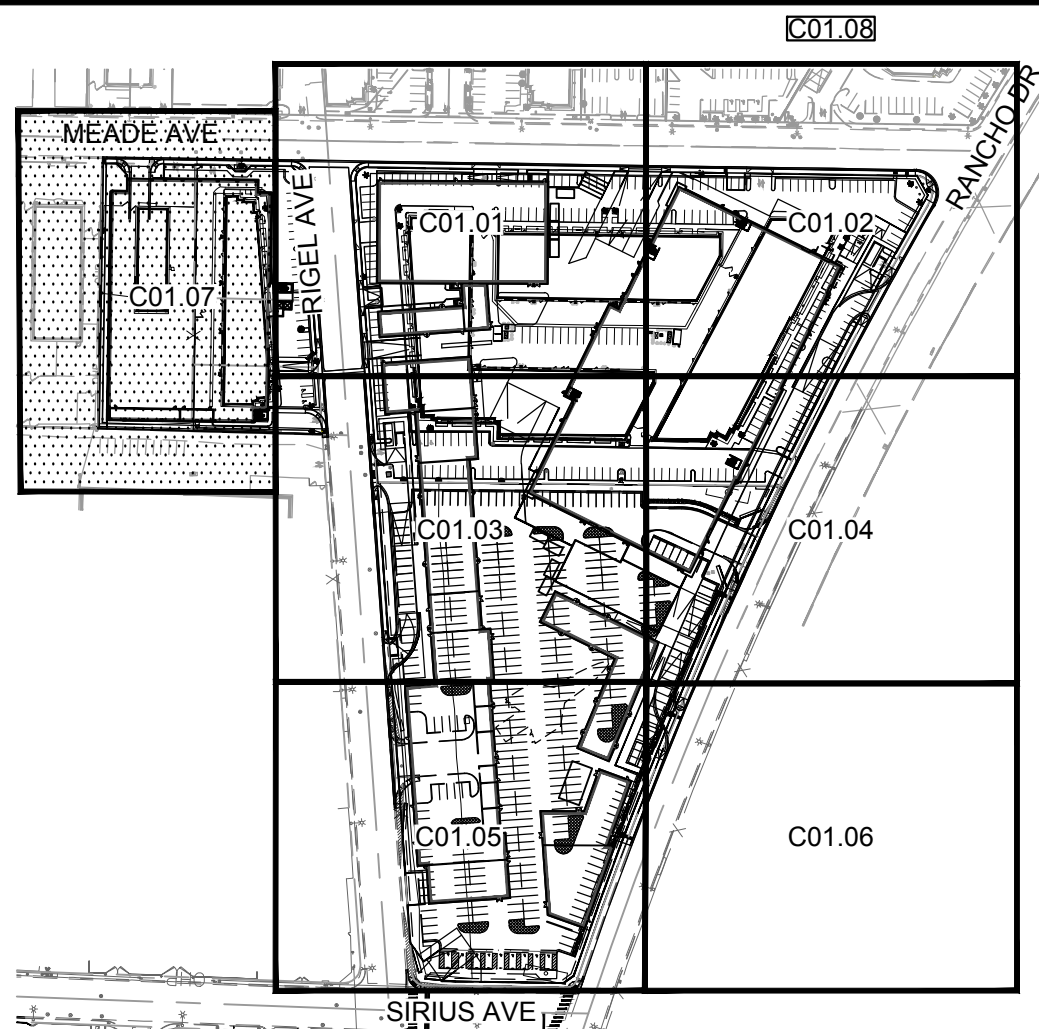
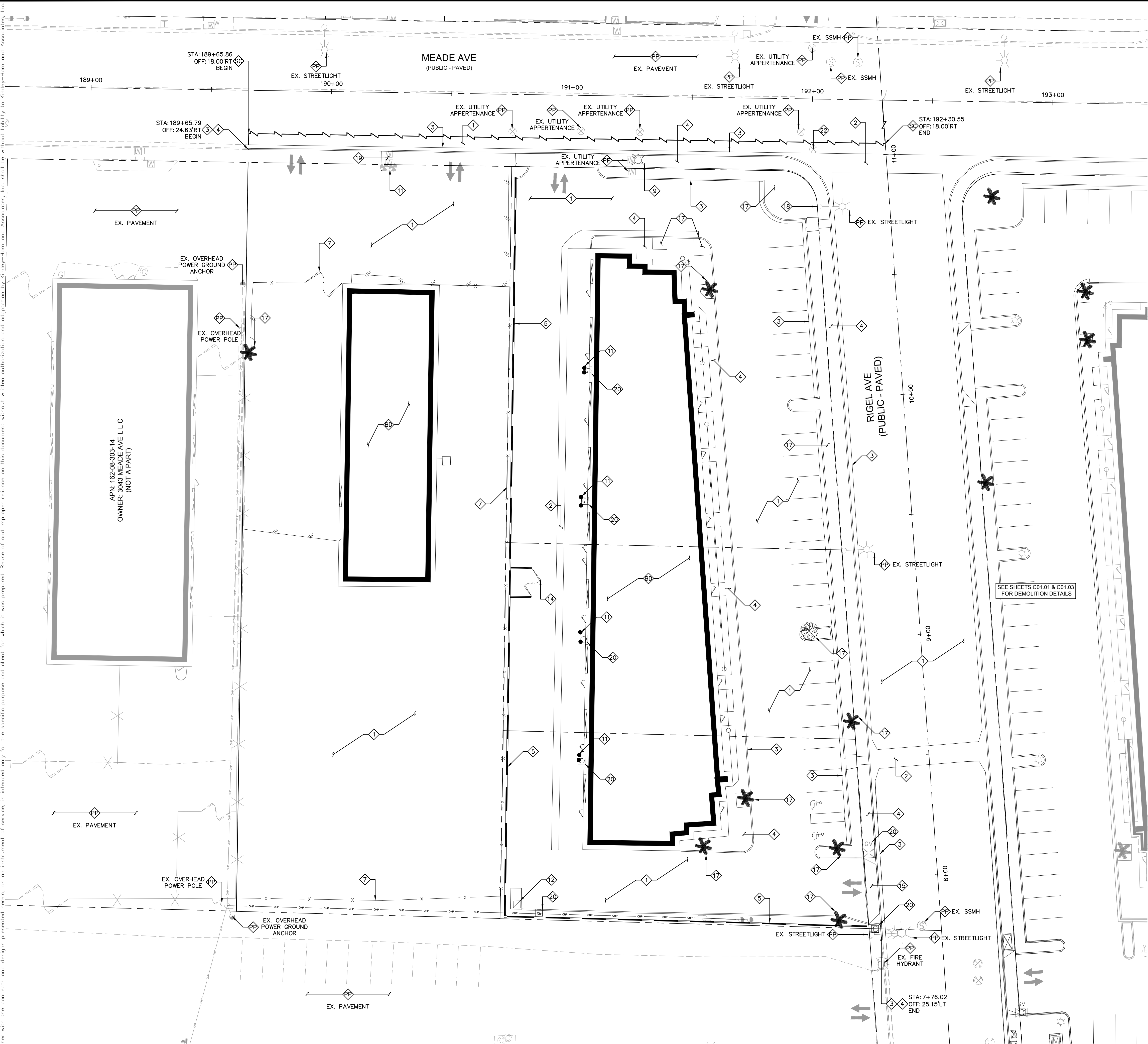
11/16/2022

KHA PROJECT	DATE	SCALE	AS SHOWN
092965011	11/16/2022	DESIGNED BY	TEA
		DRAWN BY	TEA
		CHECKED BY	TEA

DEMOLITION PLAN -
SHEET 6

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

Plotted By: Duvel, Justin Sheet Set: kha Layout: C01.07 November 17, 2022 07:17:14am K:\Nov\civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\d2\plansheets\092965012 - DM - GARAGE.dwg
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KEY MAP
NTS

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3. REMOVE EXISTING CURB TO NEAREST JOINT, LIMITS AS SHOWN ON PLANS.
4. REMOVE EXISTING SIDEWALK TO NEAREST JOINT, LIMITS AS SHOWN ON PLAN.
5. REMOVE EXISTING WALL.
6. REMOVE EXISTING FENCE, INCLUDING GATES WHERE APPLICABLE.
9. REMOVE/RELOCATE EXISTING FIRE HYDRANT.
11. REMOVE EXISTING BOLLARDS.
12. REMOVE/RELOCATE EXISTING ELECTRICAL APPURTENANCES.
14. REMOVE EXISTING ENCLOSURE DOORS.
15. REMOVE EXISTING DRIVEWAY.
17. REMOVE EXISTING LANDSCAPE AREA.
18. REMOVE EXISTING LIGHT. REMOVE FOUNDATION IN ITS ENTIRETY.
19. REMOVE/RELOCATE EXISTING WATER METERS PER W SHEETS.
20. REMOVE/RELOCATE UTILITY APPURTENANCE PER UTILITY PLANS.
22. PROTECT EXISTING UTILITY APPURTENANCE AND ADJUST TO GRADE.
23. DEMOLISH BUILDING, SEE BUILDING DEMOLITION PLANS FOR DETAILS.
24. PROTECT IN PLACE.
25. SAWCUT LINE/MATCH EXISTING.

CLARK COUNTY WATER RECLAMATION DISTRICT		DATE
COWRD PIPES # _____ XY.XXX		
SIGNATURE ON THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR THE APPROVAL OF ANY VIOLATION OF CLARK COUNTY WATER RECLAMATION DISTRICT RULES, REGULATIONS, OR DESIGN AND CONSTRUCTION STANDARDS.		
APPROVED FOR CONSTRUCTION		
LAS VEGAS VALLEY WATER DISTRICT PLANNING AND ENGINEERING SERVICES		
PROJECT No. TBD	FIRST APPROVED DATE: _____	
LVWVD APPROVED FIRE FLOW: TOTAL X.XXX GPM/ONSITE X.XXX GPM		

BENCHMARK

CLARK COUNTY VERTICAL CONTROL BENCHMARK No. "SLV11BNEE"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

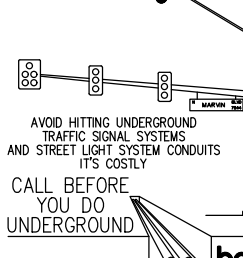
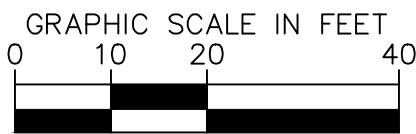
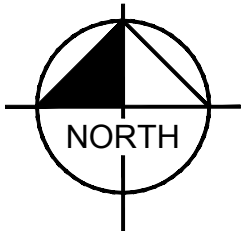
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Call before you Dig
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FEEWAY AND UTILITY SYSTEMS OF TOWNSHIP AND PAGES

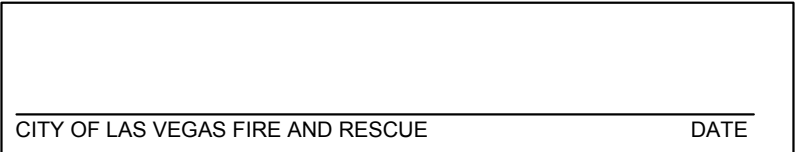
Call before you Dig
Avoid cutting underground utility lines. It's costly.



Call 811
1-800-642-2444

Call before you Dig
Avoid overhead power line contact. It's costly.

KHA PROJECT 092965011		DATE 11/16/2022		SCALE AS SHOWN		DESIGNED BY TEA		DRAWN BY TEA		CHECKED BY TEA	
APR 11 2023 THOMAS ACKERLEY CIVIL Exp. 12/31/22 No. 18592											
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AREA 15 DISTRICT 2 PREPARED FOR FISHER BROTHERS LAS VEGAS, LLC CITY OF LAS VEGAS NEVADA											
DEMOLITION PLAN - GARAGE											
10 OF 35 SHEETS C01.07											
No. _____											
REVISIONS											
DATE _____											
BY _____											



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CALL 811

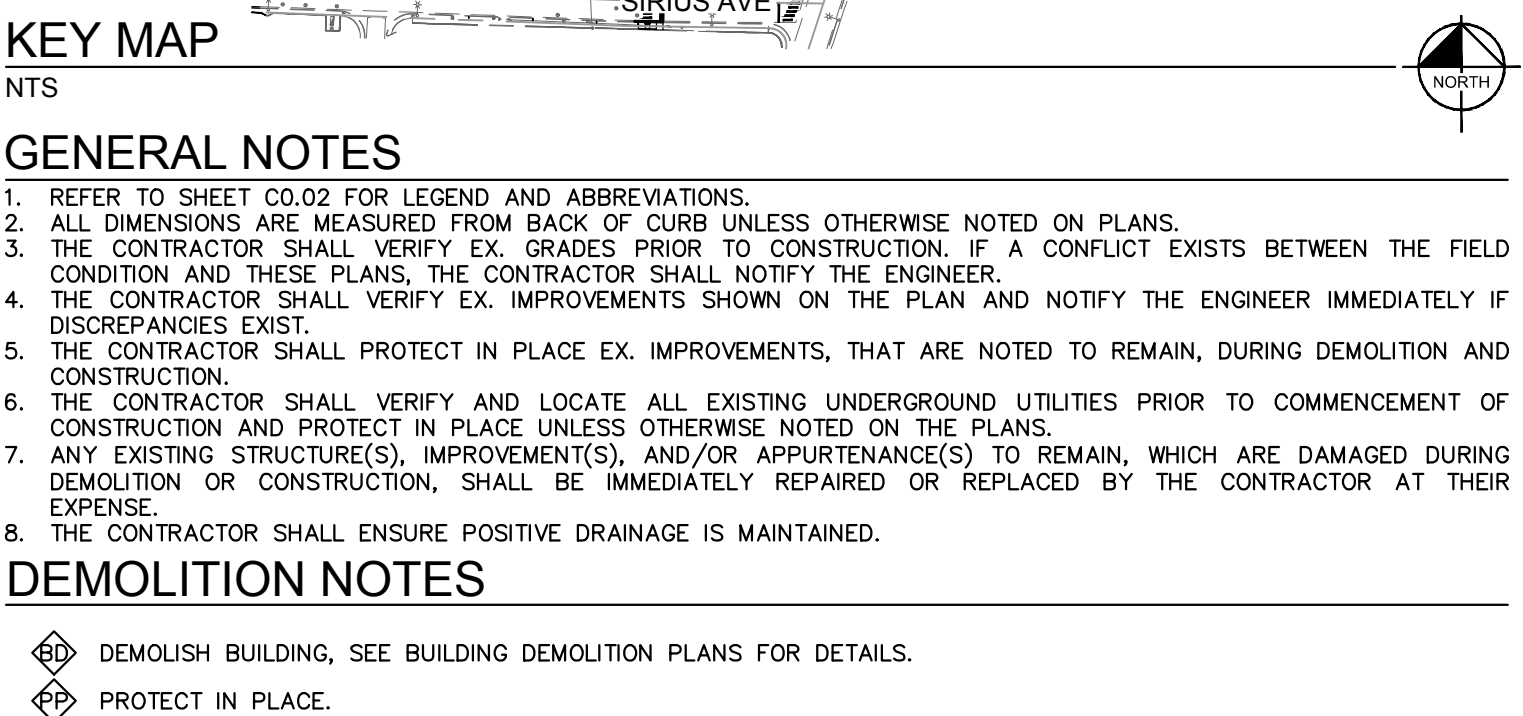
OR

1-800-642-2444

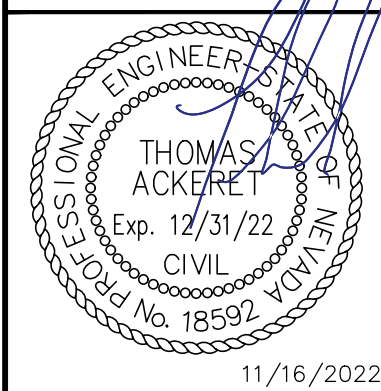
Avoid overhead power line contact. It's costly.

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KHA PROJECT	DATE	SCALE	AS SHOWN
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		DRAWN BY	TEA
		CHECKED BY	TEA

DEMOLITION PLAN
-OFFSITE BUILDING

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

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02-227-2929



SEE ENLARGED GRADING
DETAIL R15 ON SHEET C03.24
FOR GRADING THIS AREA

[illegible]

KHA PROJECT	DATE
092965011	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA

GRADING PLAN -
SHEET 1

13 OF 35 SHEETS

C03.01

AREA 15

DISTRICT 2

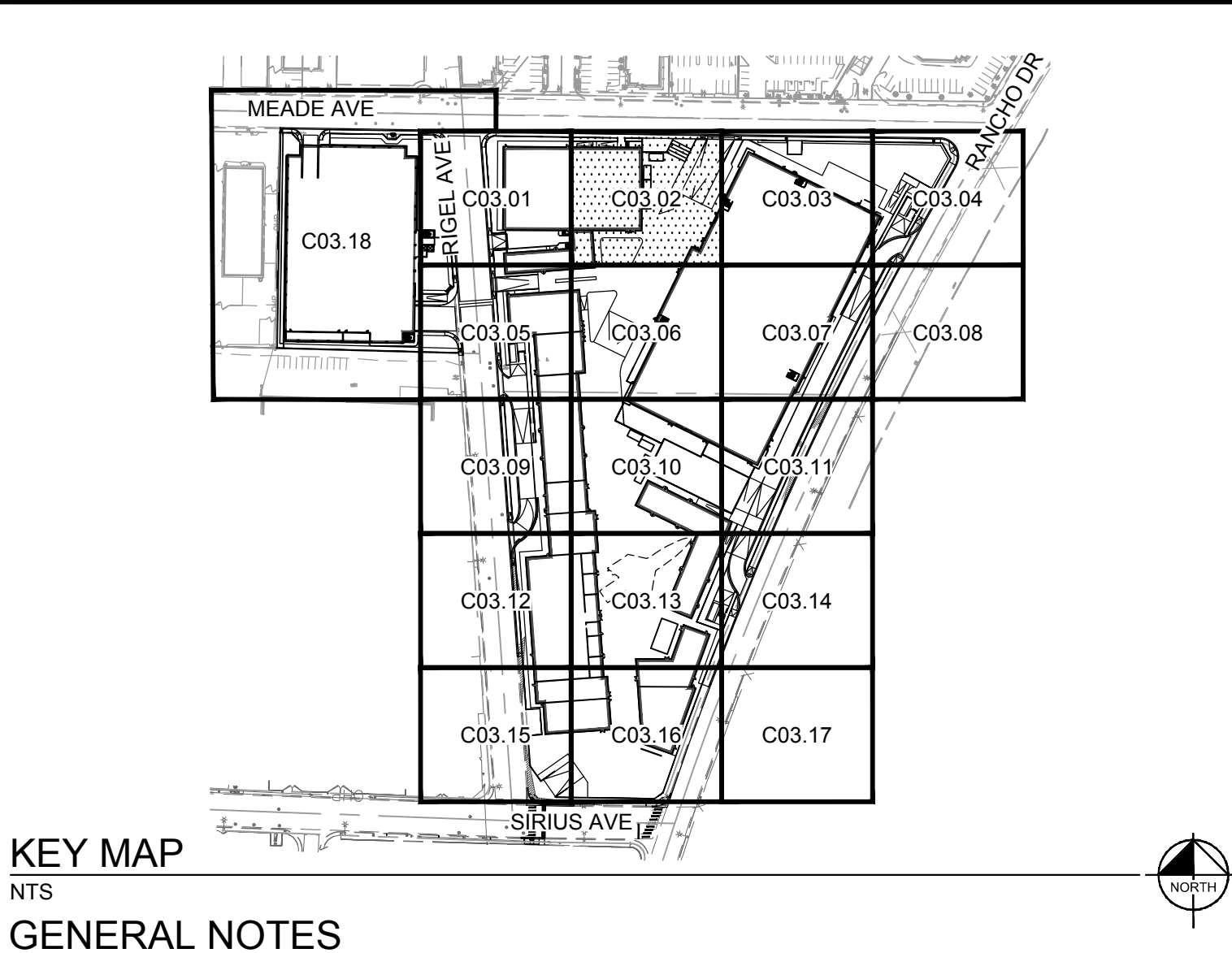
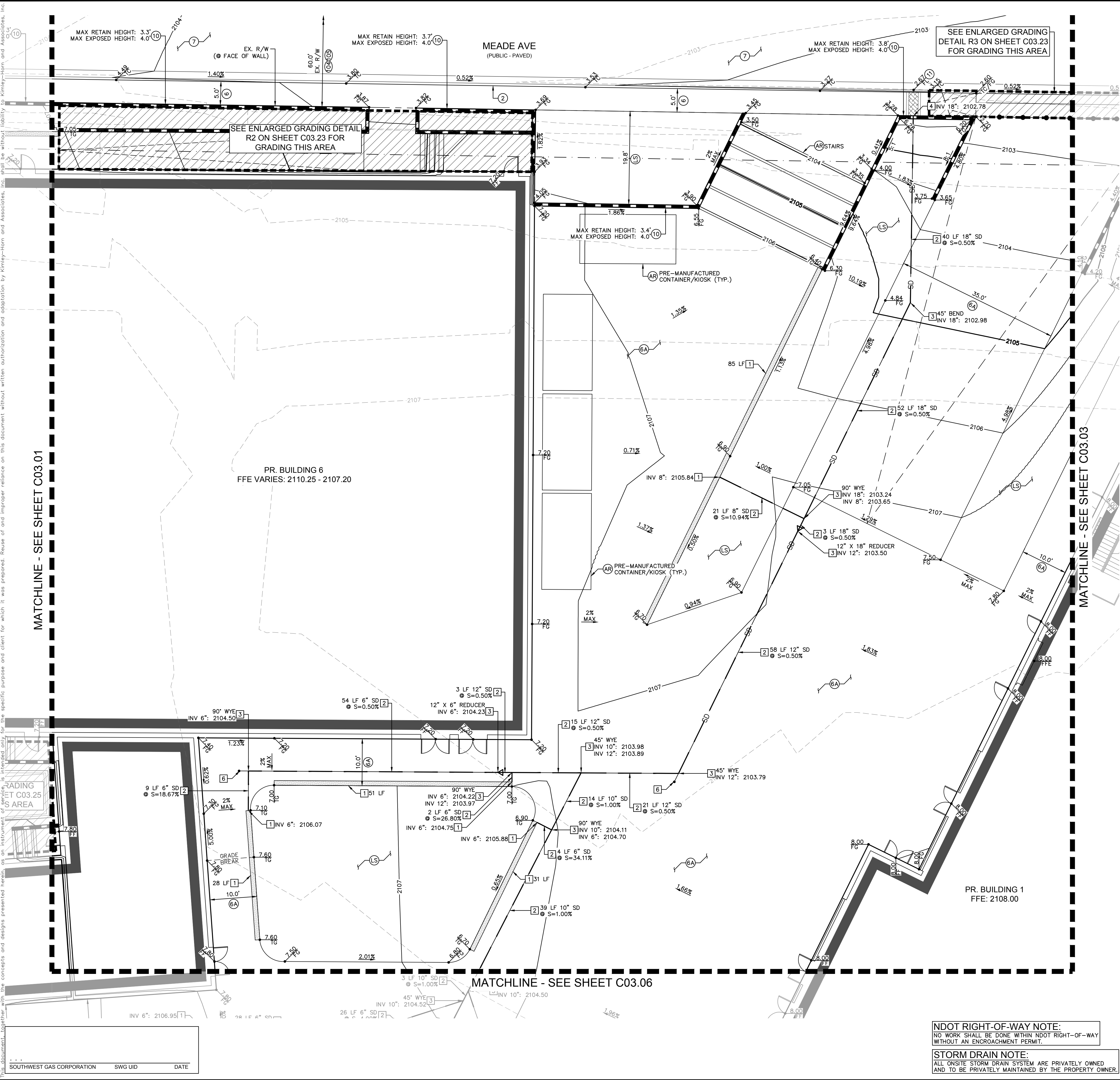
PREPARED FOR

FISHER BROTHERS LAS VEGAS, LLC

CITY OF LAS VEGAS

NEVADA

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KEY MAP

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8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- (2) INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
- (6) INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- (6A) INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTURAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
- (7) INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
- (10) INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
- (11) INSTALL SIDEWALK UNDERDRAIN PER CCAUSD No. 236.
- (AR) REFER TO ARCHITECTURAL PLANS FOR DETAILS.
- (LS) REFER TO LANDSCAPE PLANS FOR DETAILS.

STORM DRAIN NOTES

- (1) INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
- (2) INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
- (3) INSTALL PVC FITTING, SIZE PER PIPE. TYPE AS NOTED ON PLANS.
- (4) OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.
- (6) INSTALL 4" STORM DRAIN CLEANOUT.

RIGHT-OF-WAY AND EASEMENTS

- (104) EX. MEADE AVE R/W PER DOC #0000:0232884.
- (105) EX. MEADE AVE R/W PER DOC #0000:0288327.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL BENCHMARK No. "SLV1BNEE"

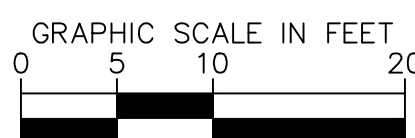
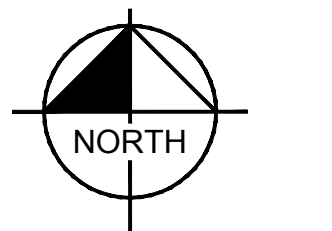
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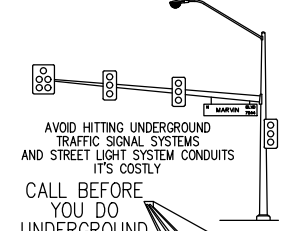


NDOT RIGHT-OF-WAY NOTE:

NO WORK SHALL BE DONE WITHIN NDOT RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.

STORM DRAIN NOTE:

ALL ONSITE STORM DRAIN SYSTEM ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.



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UnderGround
1-702-432-5300
PREMIER AND RETAIL SYSTEMS OF TRENCHING EQUIPMENT

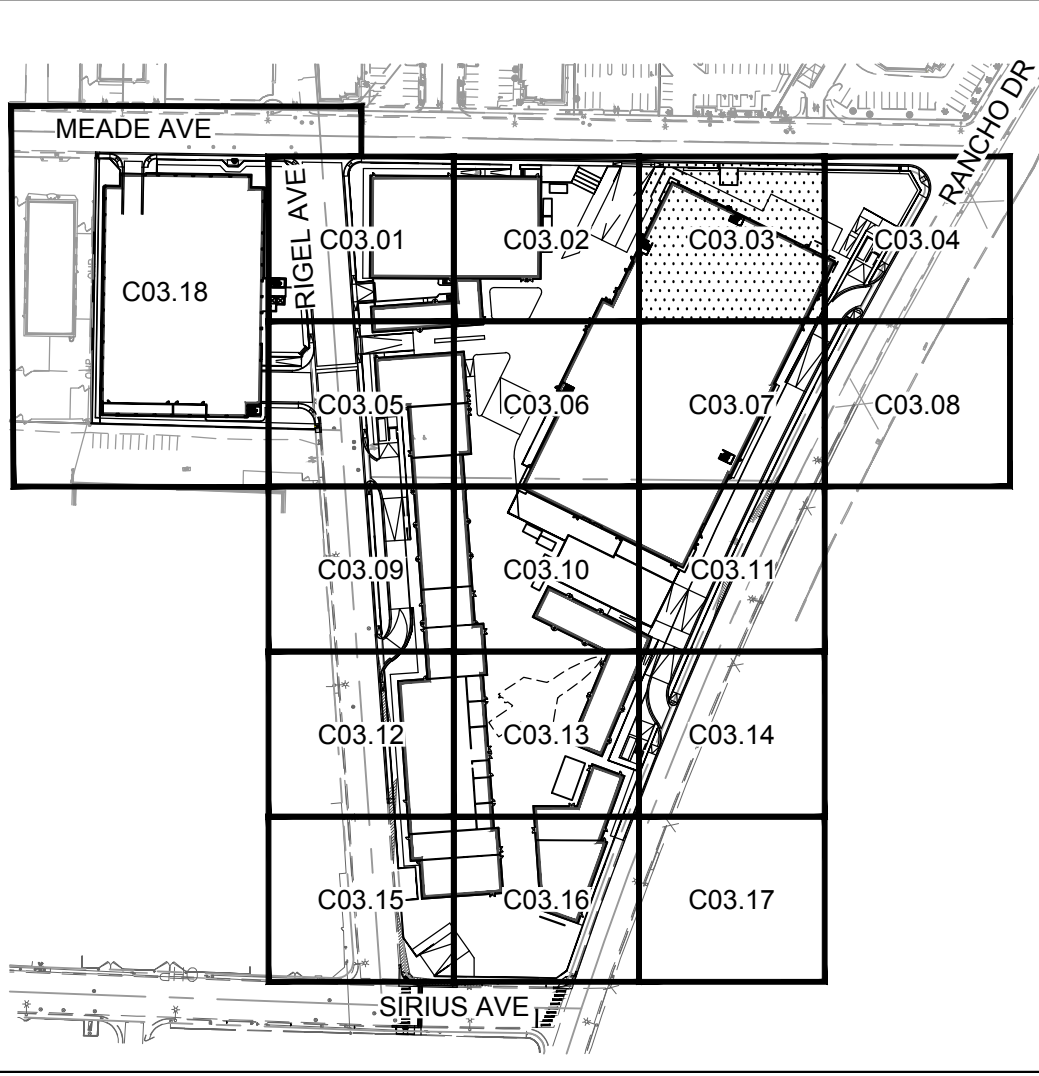
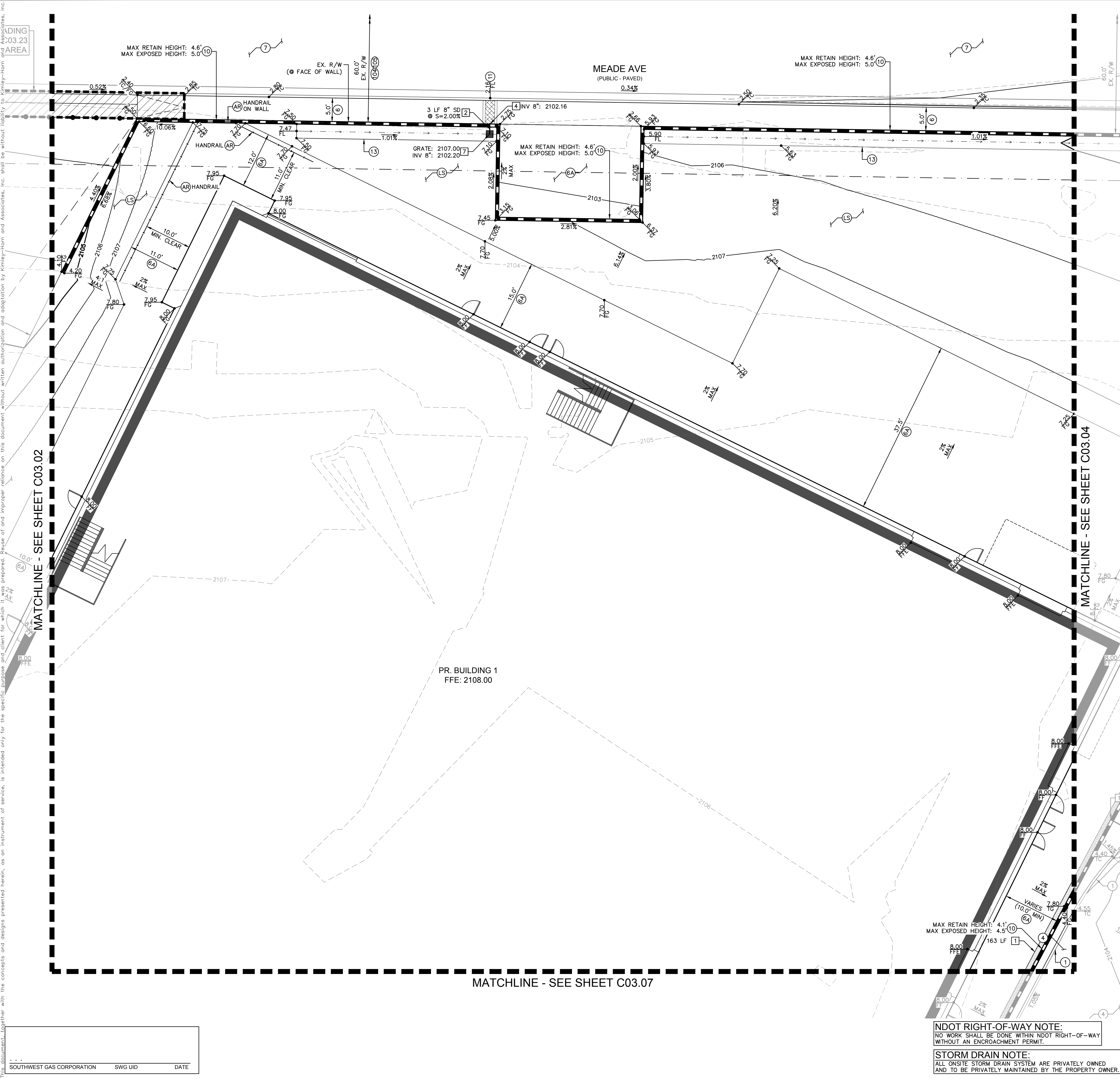
Call before you dig
811

Call before you dig
Overhead
1-800-642-2444
1-702-227-2929

KIMLEY-HORN ENGINEERS, INC.		THOMAS ACKERLEY		11/16/2022	
DESIGNED BY		DRAWN BY		CHECKED BY	
SCALE		TEA		TEA	
DATE		11/16/2022		DATE	
PROJECT		092965011		PROJECT	
KHA PROJECT		092965011		KHA PROJECT	
AREA 15		DISTRICT 2		GRADING PLAN -	
PREPARED FOR		FISHER BROTHERS LAS VEGAS, LLC		SHEET 2	
CITY OF LAS VEGAS		NEVADA		C03.02	
14 OF 35 SHEETS					

Kimley-Horn
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 4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
 5. THE CONTRACTOR SHALL PROTECT IN PLACE EX. IMPROVEMENTS, THAT ARE NOTED TO REMAIN, DURING DEMOLITION AND CONSTRUCTION.
 6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROTECT IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
 7. ANY EXISTING STRUCTURE(S), IMPROVEMENT(S), AND/OR APPURTENANCE(S) TO REMAIN, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION, SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
 8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
 9. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
 10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT
ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:
ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE
REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES
REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- (1) INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
- (4) INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
- (6) INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- (6A) INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTUAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
- (7) INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
- (10) INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
- (11) INSTALL SIDEWALK UNDERDRAIN PER CCAUSD No. 236.
- (13) INSTALL 6" WIDE VALLEY GUTTER PER DETAIL 4 ON SHEET C03.26.
- (AR) REFER TO ARCHITECTURAL PLANS FOR DETAILS.
- (LS) REFER TO LANDSCAPE PLANS FOR DETAILS.

- STORM DRAIN NOTES**
- (1) INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
 - (2) INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
 - (4) OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.
 - (7) INSTALL 24"x24" JENSEN PRECAST INLET PER DETAIL 7 ON SHEET C03.26 WITH STORMWATER QUALITY STAMP PER CCAUSD No. 421 WITH A BOLT DOWN TOP.

RIGHT-OF-WAY AND EASEMENTS

(104) EX. MEADE AVE R/W PER DOC #0000:0232884.
(105) EX. MEADE AVE R/W PER DOC #0000:0288327.

BENCHMARK
CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV11BNEE6"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING
SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

NORTH

GRAPHIC SCALE IN FEET

NDOT RIGHT-OF-WAY NOTE:
NO WORK SHALL BE DONE WITHIN NDOT RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.

STORM DRAIN NOTE:
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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

THOMAS ACKERT
Exp. 12/31/22
CIVIL
No. 18592

KHA PROJECT	092965011
DATE	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

15 OF 35 SHEETS
C03.03

GRADING PLAN -
SHEET 3

NO. REVISIONS BY DATE

Plotted By: Dievel, Justin Sheet Set: kha Layout: C03.04 November 17, 2022 07:20:37am k:\v\civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\092965012 - GD - NORTH-ONSITE.dwg
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP

NTS

GENERAL NOTES

1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
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8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

1. INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
2. INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
3. INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
6. INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- 6A. INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTUAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
7. INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
8. INSTALL ADA SIDEWALK RAMP, I.D. AS NOTED ON PLAN. REFER TO DETAILS ON SHEET C03.23-C03.25 FOR RAMP I.D., GEOMETRY AND GRADES.
9. INSTALL COMMERCIAL DRIVEWAY PER CCAUSD No. 222.1 AND 225.
10. INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
- 10A. INSTALL SCREEN WALL PER SNBO REGIONAL STANDARD No. B-100-1 WITH GROUTED SCREEN WALL, 6.0' MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
11. INSTALL SIDEWALK UNDERDRAIN PER CCAUSD No. 236.
13. INSTALL 6' WIDE VALLEY GUTTER PER DETAIL 4 ON SHEET C03.26.
15. REFER TO LANDSCAPE PLANS FOR DETAILS.
- ME. MATCH EXISTING

STORM DRAIN NOTES

1. INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
2. INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
4. OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.
5. INSTALL CURB-O-LET MODEL No. TCD35-NS, PER DETAIL 8 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT INLET PIPE TO CURB-O-LET.
7. INSTALL 24"x24" JENSEN PRECAST INLET PER DETAIL 7 ON SHEET C03.26 WITH STORMWATER QUALITY STAMP PER CCAUSD No. 421 WITH A BOLT DOWN TOP.

RIGHT-OF-WAY AND EASEMENTS

104. EX. MEADE AVE R/W PER DOC #0000:0232884.
105. EX. MEADE AVE R/W PER DOC #0000:0288327.
107. EX. RANCHO DR R/W PER DOC #0329:0288327.
207. PR. PEDESTRIAN ACCESS EASEMENT PER DOC #_____.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV118NEE"

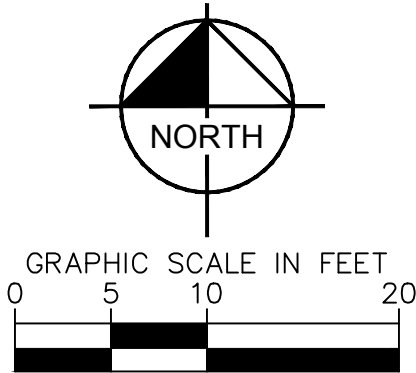
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1985 (NAVD '88 V.2018)

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTH EAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEY'S ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



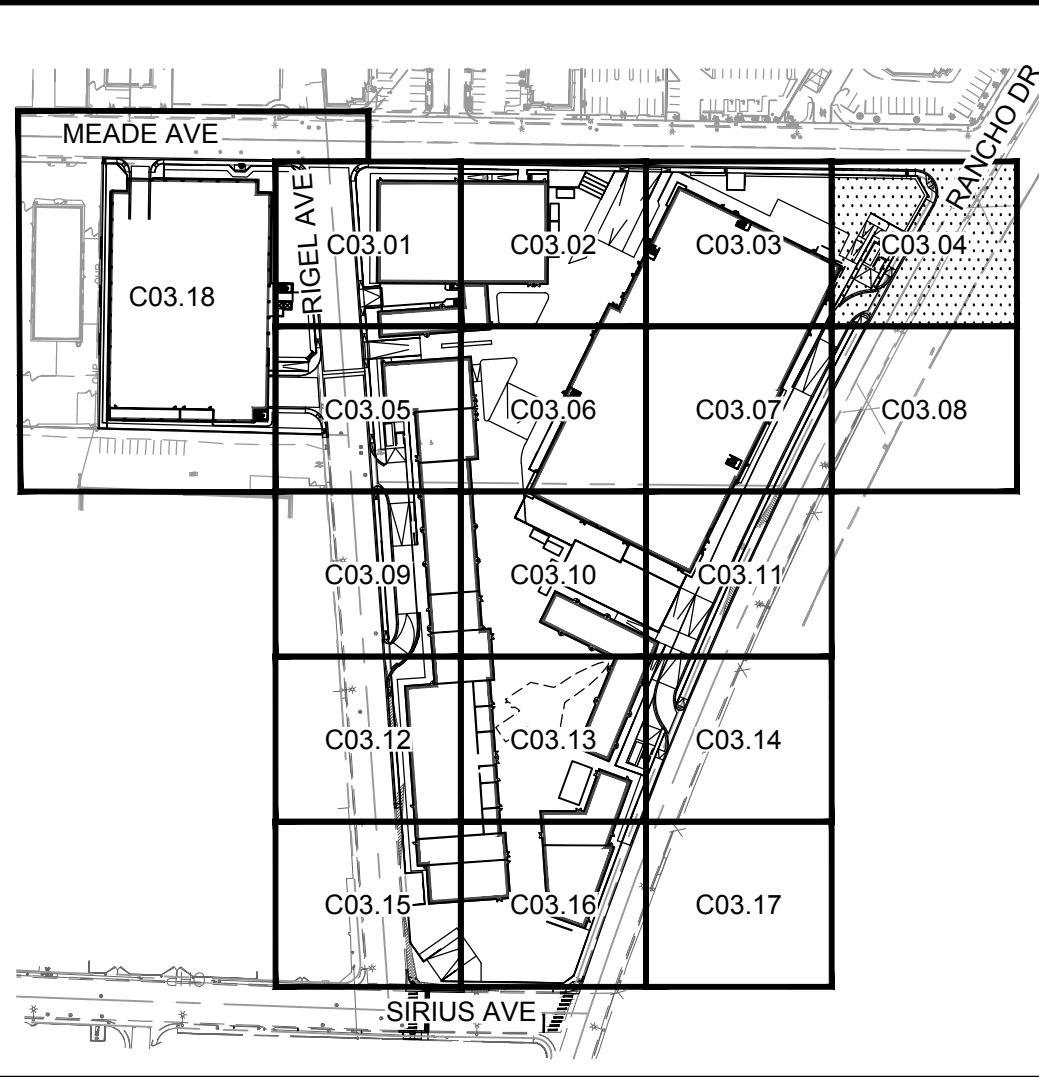
NDOT RIGHT-OF-WAY NOTE:
NO WORK SHALL BE DONE WITHIN NDOT RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.

STORM DRAIN NOTE:
ALL ONSITE STORM DRAIN SYSTEM ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.

Call before you Dig
Avoid cutting underground utility lines. It's costly.

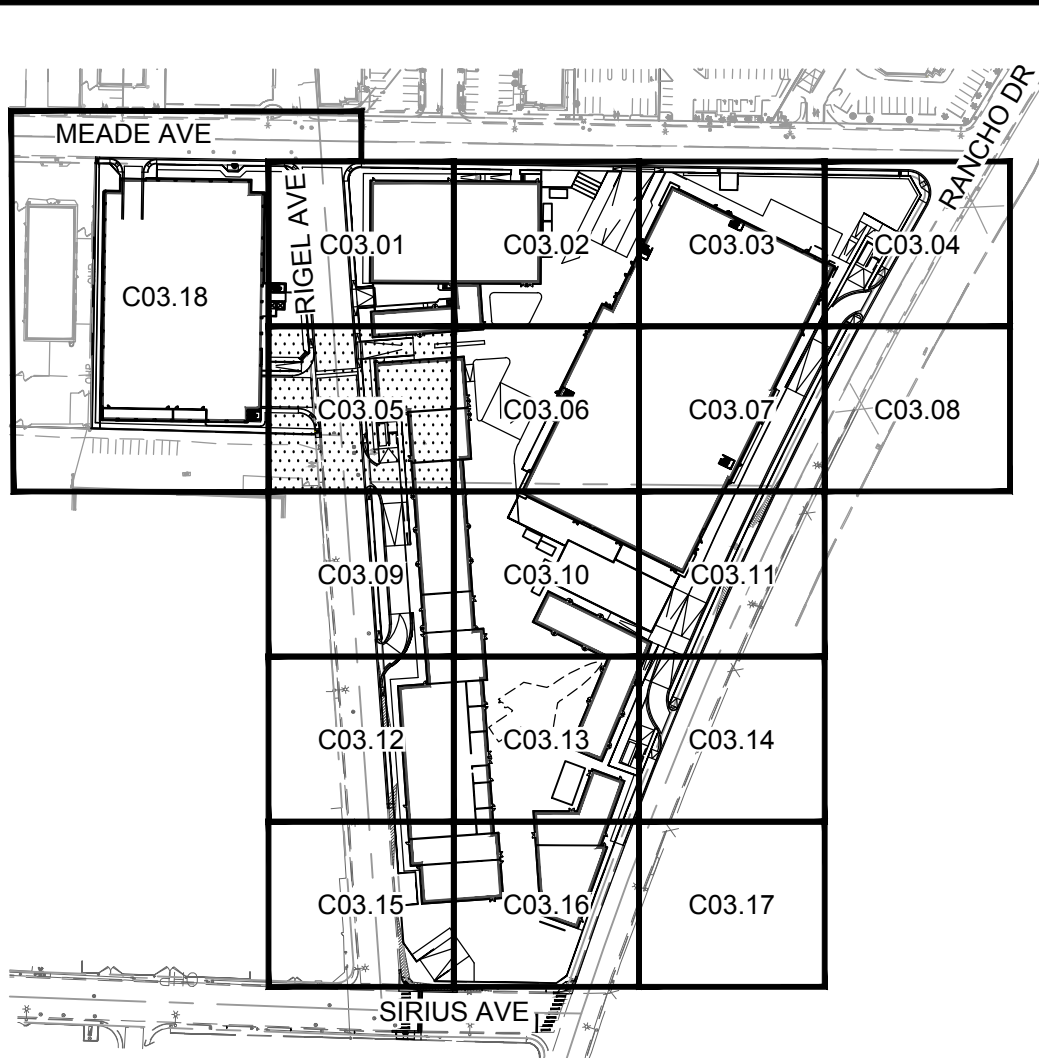
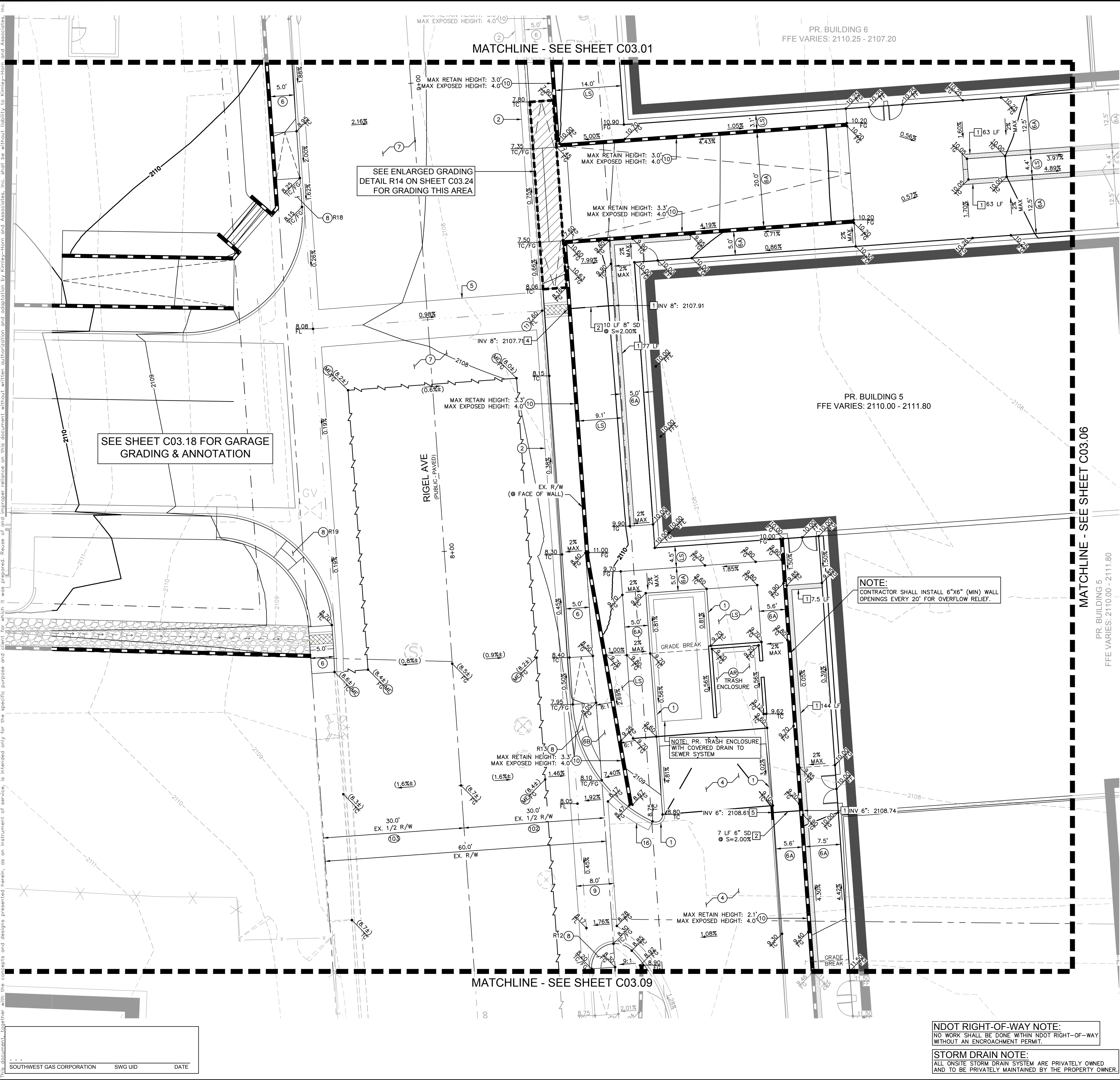
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PREMIER AND RETAIL STORES OF TIMEPORTAL P&G

Call Before You Overhead
1-800-642-2444 1-702-227-2929



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THOMAS ACKERLEY Exp. 12/31/22 CIVIL No. 18592		11/16/2022	
KHA PROJECT	092965011	DATE	11/16/2022
SCALE	AS SHOWN	DESIGNED BY	TEA
DRAWN BY	TEA	CHECKED BY	TEA
AREA 15 DISTRICT 2 PREPARED FOR FISHER BROTHERS LAS VEGAS, LLC CITY OF LAS VEGAS NEVADA		GRADING PLAN - SHEET 4	
16 OF 35 SHEETS C03.04		REVISIONS No. DATE BY	

Plotted By: Duvel, Justin Sheet Set: KHA Layout: C03.05 November 17, 2022 07:21:04am K:\nav-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\092965012 - GD - NORTH-ONSITE.dwg K:\nav-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\022965012 - GD - NORTH-ONSITE.dwg
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KEY MAP

GENERAL NOTES

1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
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8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

1. INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
2. INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
4. INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
5. INSTALL CONCRETE CROSS GUTTER PER CCAUSD No. 228.
6. INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- 6A. INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTUAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
- 6B. INSTALL CONCRETE 4" CONCRETE WALK (NON ADA) PER CCAUSD No. 234, LOCATED BEHIND R/W TO FACE OF WALL.
7. INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
8. INSTALL ADA SIDEWALK RAMP, I.D. AS NOTED ON PLAN. REFER TO DETAILS ON SHEET C03.23-C03.25 FOR RAMP I.D., GEOMETRY AND GRADES.
9. INSTALL COMMERCIAL DRIVEWAY PER CCAUSD No. 222.1 AND 225.
10. INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUDED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
11. INSTALL SIDEWALK UNDERDRAIN PER CCAUSD No. 236.
16. INSTALL TRANSITION FROM TYPE 'L' CURB TO 0" FACE CURB.
- AR. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
- LS. REFER TO LANDSCAPE PLANS FOR DETAILS.
- ME. MATCH EXISTING

STORM DRAIN NOTES

1. INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
2. INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
4. OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.
5. INSTALL CURB-O-LET MODEL No. TD035-NS, PER DETAIL 8 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT INLET PIPE TO CURB-O-LET.

RIGHT-OF-WAY AND EASEMENTS

102. EX. RIGEL AVE R/W PER DOC #0452:0364174.
103. EX. RIGEL AVE R/W PER DOC #0020:0018943.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV118NEE6"

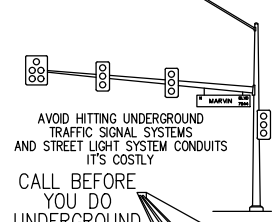
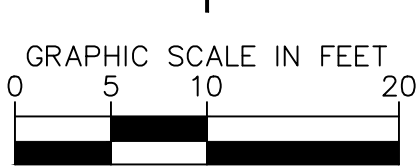
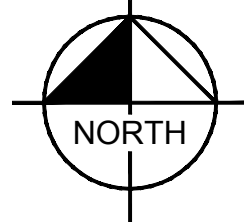
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FERNY AND ATHERL SYSTEMS OF TRANSPORTATION



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Kimley»Horn

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PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

THOMAS ACKERET
Exp. 12/31/22
CIVIL
No. 18592

11/16/2022

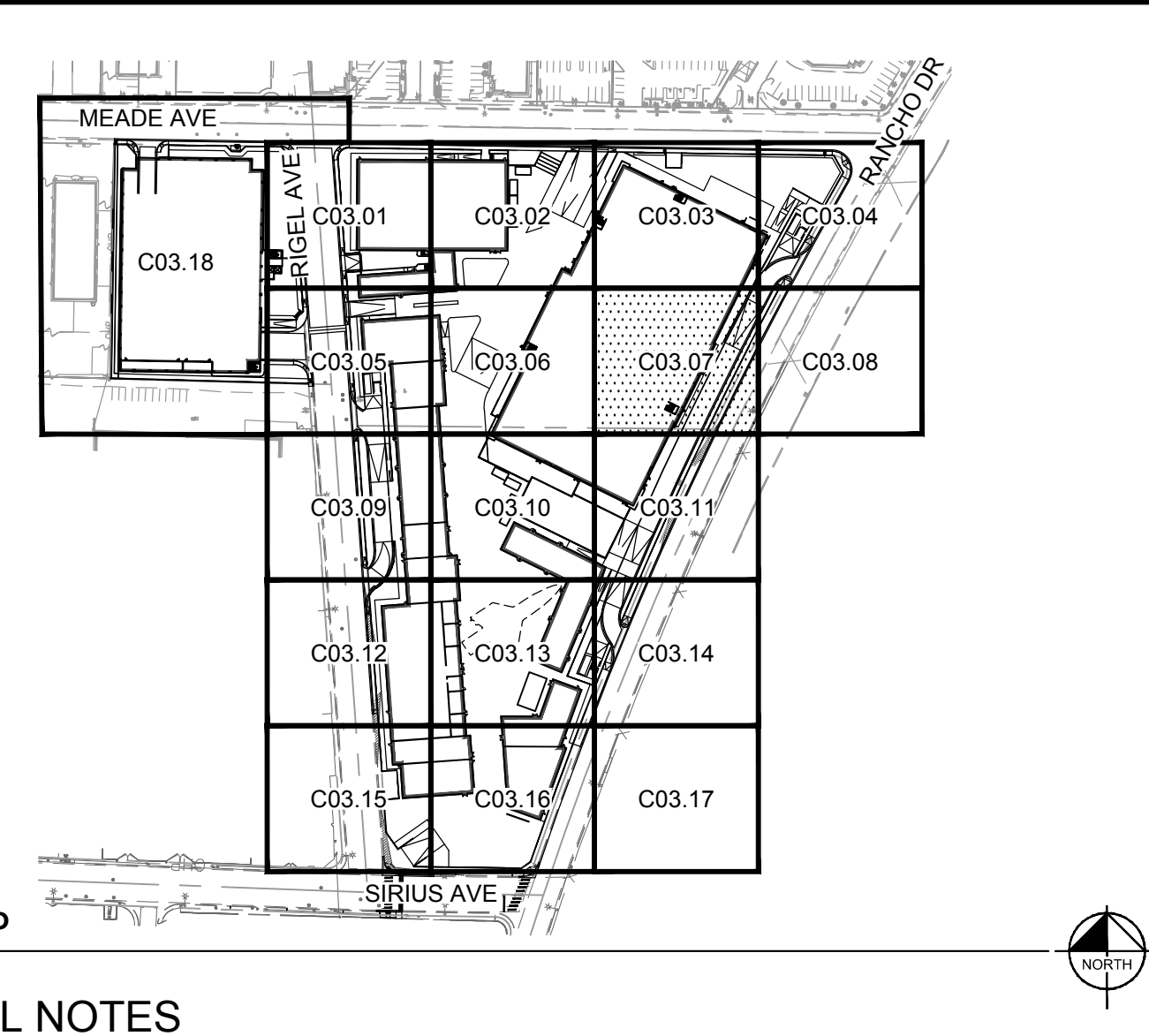
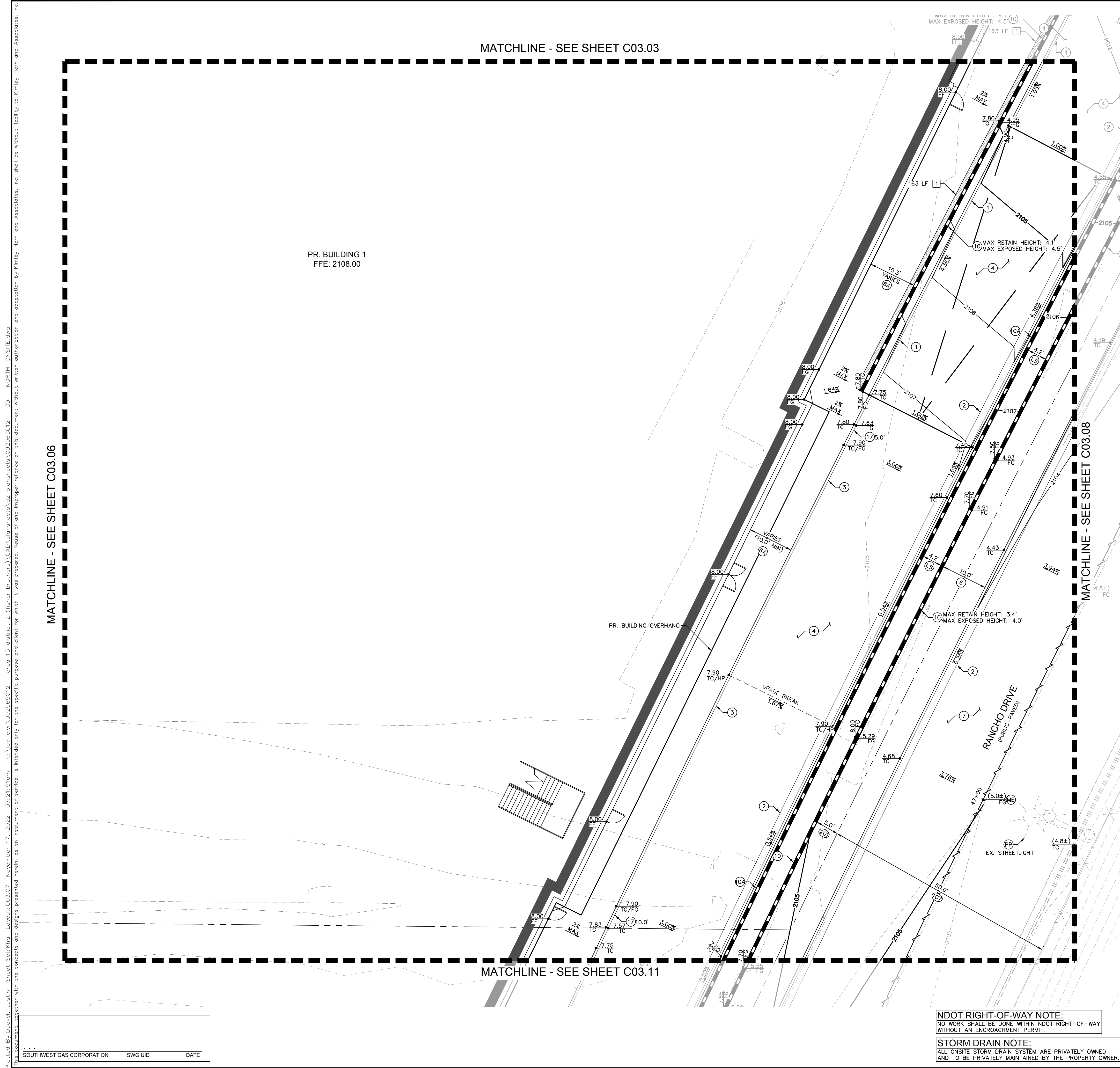
KHA PROJECT	092965011
DATE	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

17 OF 35 SHEETS
C03.05

GRADING PLAN -
SHEET 5

REVISIONS
No. DATE BY



KEY MAP

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7. ALL EXISTING CONCRETE DRIVEWAYS, SIDEWALKS AND/OR PATHS, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION, SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
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ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

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REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- ① INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
- ② INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
- ③ INSTALL 0" FACE CURB PER DETAIL 2 ON SHEET C03.26.
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- ⑥ INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
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- ⑦ INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
- ⑩ INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SBO REGIONAL STANDARD No. B-100-2 WITH GROUDED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
- ⑩A INSTALL SCREEN WALL PER SBO REGIONAL STANDARD No. B-100-1 WITH GROUDED SCREEN WALL, 6.0' MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
- ⑪ INSTALL TRANSITION FROM MODIFIED TYPE 'A' CURB TO 0" FACE CURB.
- ⑬S REFER TO LANDSCAPE PLANS FOR DETAILS.
- ME MATCH EXISTING
- PP PROTECT IN PLACE

STORM DRAIN NOTES

- 1 INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.

RIGHT-OF-WAY AND EASEMENTS

- ⑩ EX. RANCHO DR R/W PER DOC #0329:0288327.
⑪ PR. PEDESTRIAN ACCESS EASEMENT PER DOC #_____

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"

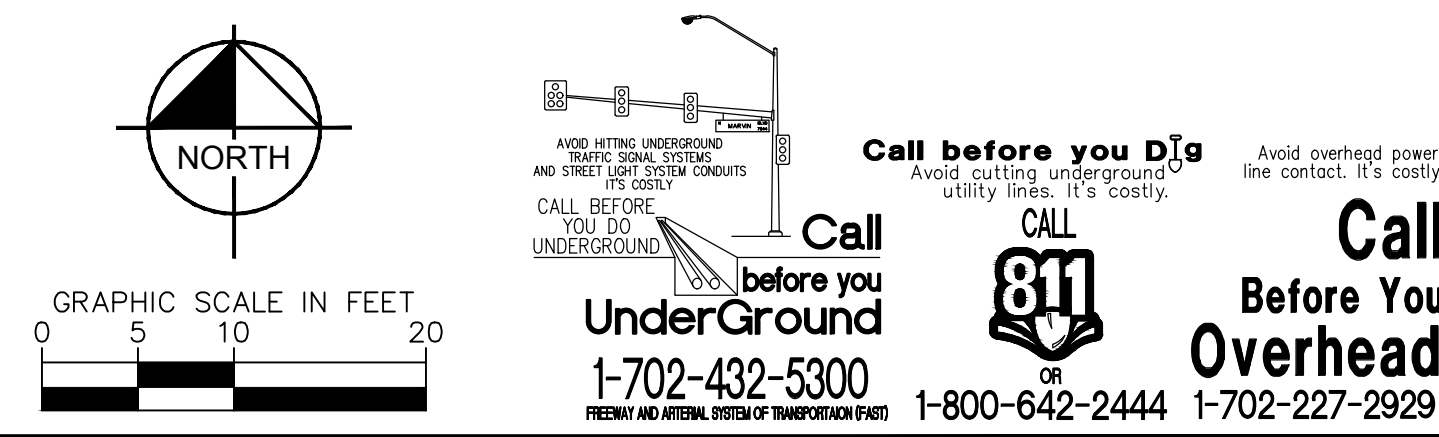
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

[illegible]



NTS

1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
5. THE CONTRACTOR SHALL PROTECT IN PLACE EX. IMPROVEMENTS, THAT ARE NOTED TO REMAIN, DURING DEMOLITION OF EXISTING STRUCTURE(S).
6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROTECT IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
7. ANY EXISTING STRUCTURE(S), IMPROVEMENT(S), AND/OR APPURTENANCE(S) TO REMAIN, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION, SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ON-SITE STORAGE AND CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

FLOOD ZONE NOT

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

1	INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
2	INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
3	INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
4	INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
7	INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
10	INSTALL RETAINING WALL, (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
10A	INSTALL SCREEN WALL PER SNBO REGIONAL STANDARD No. B-100-1 WITH GROUTED SCREEN WALL, 6.0' MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
LS	REFER TO LANDSCAPE PLANS FOR DETAILS.
ME	MATCH EXISTING

⑩ EX. RANCHO DR R/W PER DOC #0329:0288327.

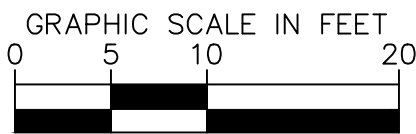
⑪ PR. PEDESTRIAN ACCESS EASEMENT PER DOC #_____.

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"

ELEVATION = 635.481 METERS
2084.91 FEET

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



CALL

011

Call

Can

Before You

Overhead

702-227-2929

20 OF 35 SHEETS

C03.08

AREA 15

DISTRICT 2

PREPARED FOR

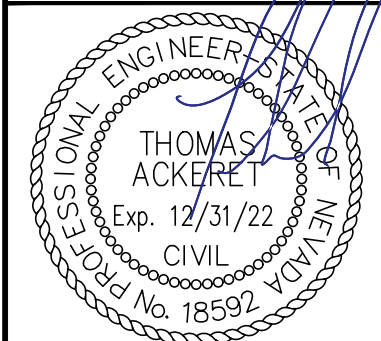
FISHER BROTHERS LAS VEGAS, LLC

CITY OF LAS VEGAS

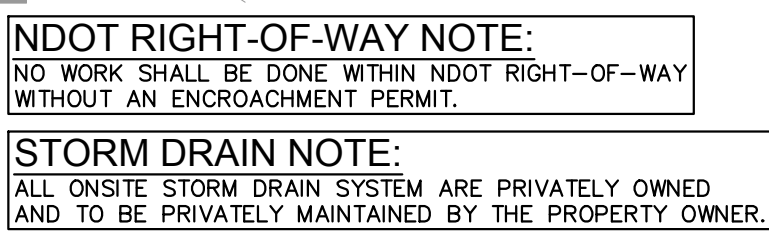
NEVADA

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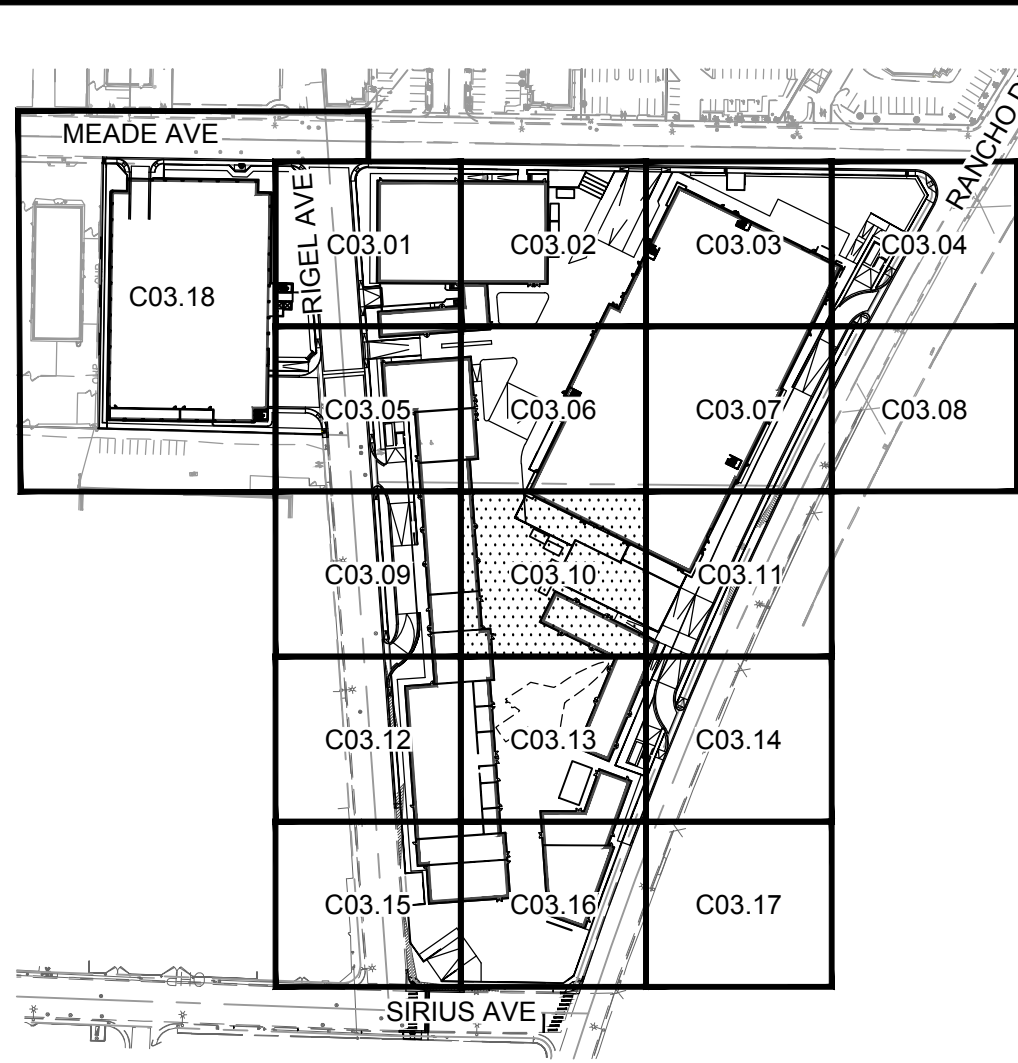
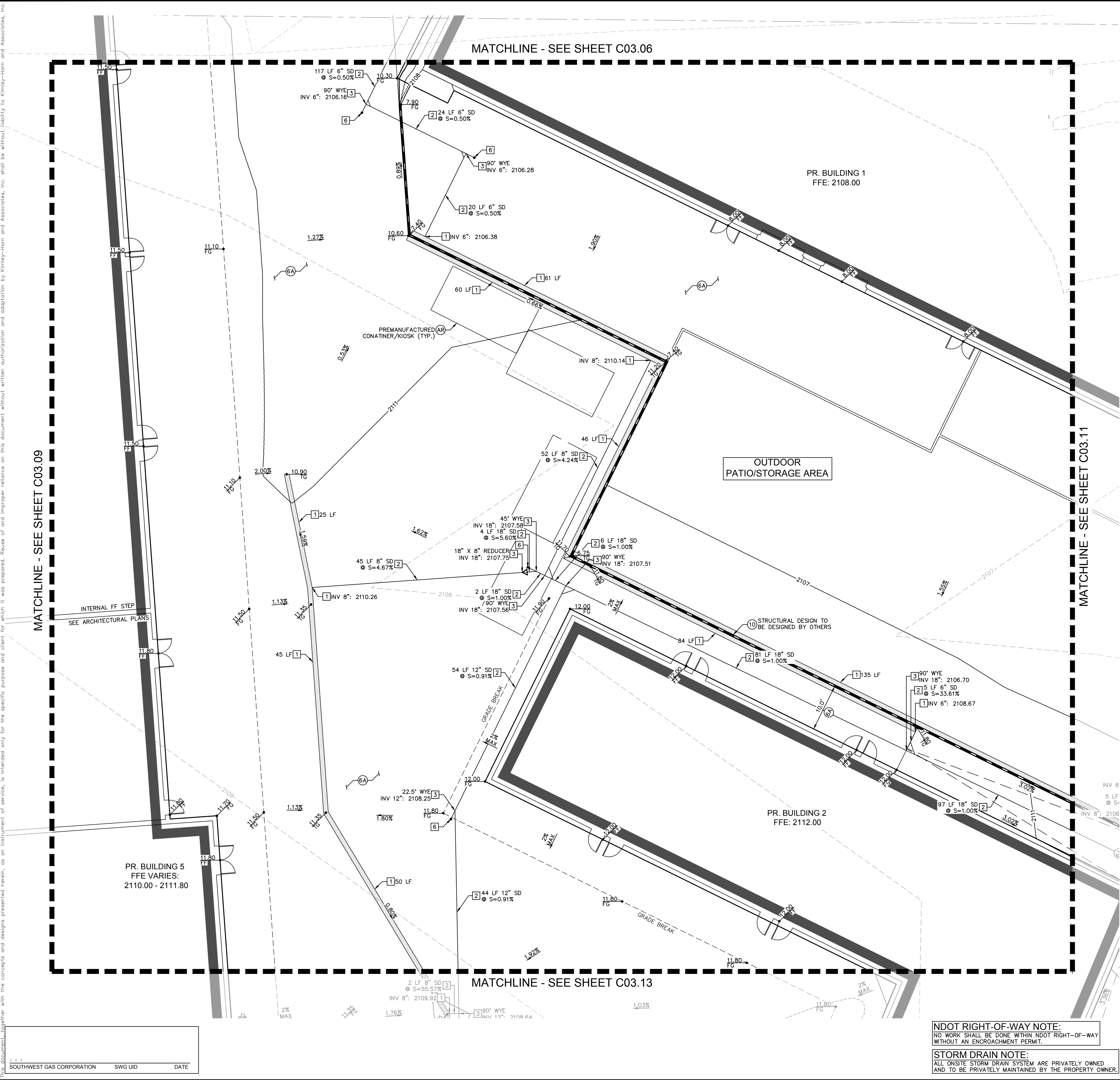
Kimley»»Horn
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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM



11/16/2022



Plotted By: Duvel, Justin Sheet Set: KHA Layout: C03.10 November 17, 2022 07:23:46pm K:\nav-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\092965012 - GD - SOUTH-ONSITE.dwg
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KEY MAP
NTS

GENERAL NOTES

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8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- (6A) INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD NO. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTUAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
- (10) INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
- (AR) REFER TO ARCHITECTURAL PLANS FOR DETAILS.

STORM DRAIN NOTES

- (1) INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
- (2) INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
- (3) INSTALL PVC FITTING, SIZE PER PIPE. TYPE AS NOTED ON PLANS.
- (6) INSTALL 4" STORM DRAIN CLEANOUT.

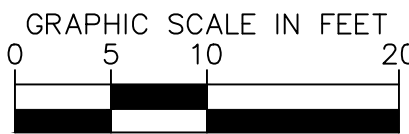
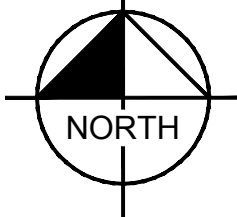
BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV11BNEE"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



NDOT RIGHT-OF-WAY NOTE:
NO WORK SHALL BE DONE WITHIN NDOT RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.

STORM DRAIN NOTE:
ALL ONSITE STORM DRAIN SYSTEM ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.

KHA PROJECT		DATE		SCALE		DESIGNED BY		DRAWN BY		CHECKED BY	
092965011		11/16/2022		AS SHOWN		TEA		TEA		TEA	
KIMLEY-HORN ENGINEERS, INC. THOMAS ACKERLEY Exp. 12/31/22 CIVIL No. 18592											
© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119 PHONE: 702-862-3600 WWW.KIMLEY-HORN.COM											
AREA 15 DISTRICT 2 PREPARED FOR FISHER BROTHERS LAS VEGAS, LLC CITY OF LAS VEGAS NEVADA											
GRADING PLAN - SHEET 10											
22 OF 35 SHEETS C03.10											
Call before you Dig Call before you UnderGround Call Before You Overhead 1-702-432-5300 1-800-642-2444 1-702-227-2929											

KEY MAP

GENERAL NOTES

1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITIONS AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
5. THE CONTRACTOR SHALL PROTECT IN PLACE EX. IMPROVEMENTS, THAT ARE NOTED TO REMAIN, DURING DEMOLITION AND CONSTRUCTION.
6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROTECT IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
7. REMOVE AND STRIKE ALL EX. IMPROVEMENTS, EXCEPT EX. UTILITY TRENCHES(S) TO REMAIN, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION, SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. ADD SINKHOLE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES

CONSTRUCTION NOTES

- (2) INSTALL TYPE '1' CONCRETE CURB AND GUTTER PER CCAUSD NO. 216.
- (3) INSTALL 0" FACE CURB PER DETAIL 2 ON SHEET C03.26.
- (4) INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
- (6) INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD NO. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- (6A) INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD NO. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTURAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
- (7) INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD NO. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
- (10) INSTALL RETAINING WALL, (4" MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD NO. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
- (10A) INSTALL SCREEN WALL PER SNBO REGIONAL STANDARD NO. B-100-1 WITH GROUTED SCREEN WALL, 6.0' MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
- (11) INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236.
- (17) INSTALL TRANSITION FROM MODIFIED TYPE 'A' CURB TO 0" FACE CURB.
- (18) CONTRACTOR SHALL MAINTAIN WALL. (LEAVE OUT 1 COURSE TO ALLOW ACCESS TO DROP INLET FOR 2 BLOCKS ON EITHER SIDE OF PR. INLET.)
- (LS) REFER TO LANDSCAPE PLANS FOR DETAILS.
- (ME) MATCH EXISTING

STORM DRAIN NOTES

- 1 INSTALL 2886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED ALTERN.) WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
- 2 INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, SLOPE, AND SLOPE AS NOTED ON PLANS.
- 3 INSTALL PVC FITTING, SIZE PER PIPE. TYPE AS NOTED ON PLANS.
- 4 OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.
- 5 INSTALL 4" STORM DRAIN CLEANOUT.
- 5=INSTALL "TYPE C" DROP INLET PER CCAUSD No. 412 WITH STORMWATER QUALITY STAMP PER CCAUSD No. 421.

RIGHT-OF-WAY AND EASEMENTS

- (107) EX. RANCHO DR R/W PER DOC #0329:0288327

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"

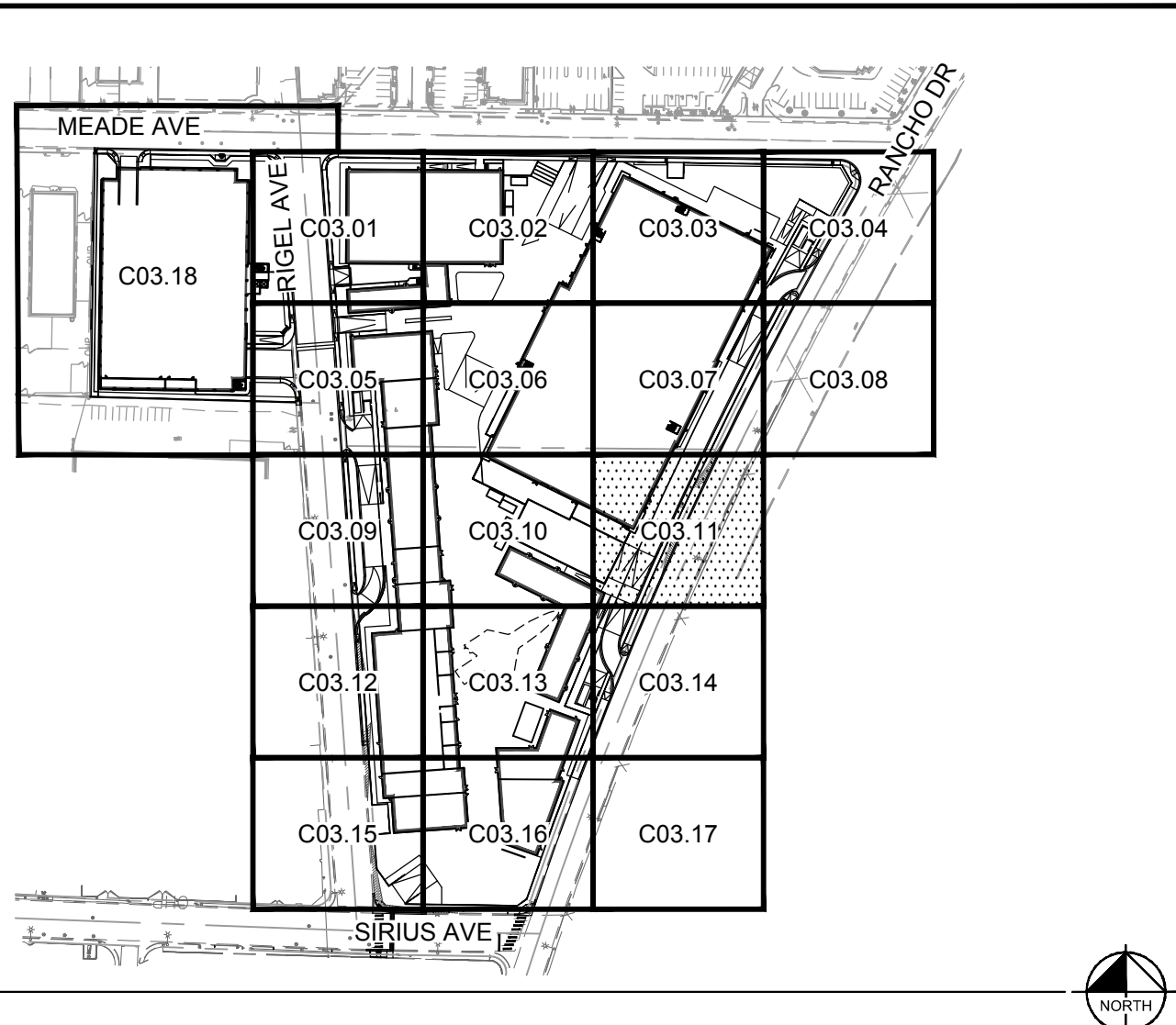
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ELEVATION = 635.481 METERS
2084.91 FEET

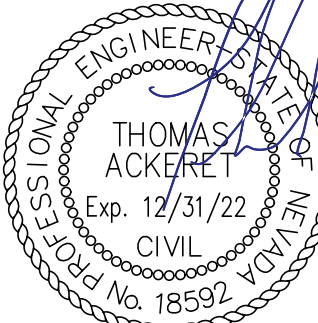
CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
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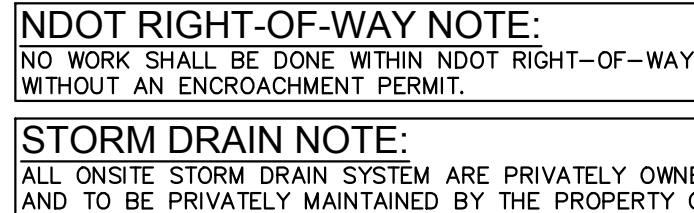
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6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM



092965011	DATE	11/16/2022
SCALE	AS SHOWN	
DESIGNED BY	TEA	
DRAWN BY	TEA	
CHECKED BY	TEA	

GRADING PLAN -
SHEET 11

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA



AVOID HITTING UNDERGROUND
TRAFFIC SIGNAL SYSTEMS
AND STREET LIGHT SYSTEM CONDUITS
IT'S COSTLY

CALL BEFORE
YOU DO
UNDERGROUND

UnderGround
1-702-432-5

Avoid overhead power
line contact. It's costly.

**Call
Before You
Overhead**

702-227-2929

CITY OF LAS VEGAS NEVADA

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GENERAL NOTES

1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
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ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES
REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

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6. INSTALL 4" STORM DRAIN CLEANOUT.

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"

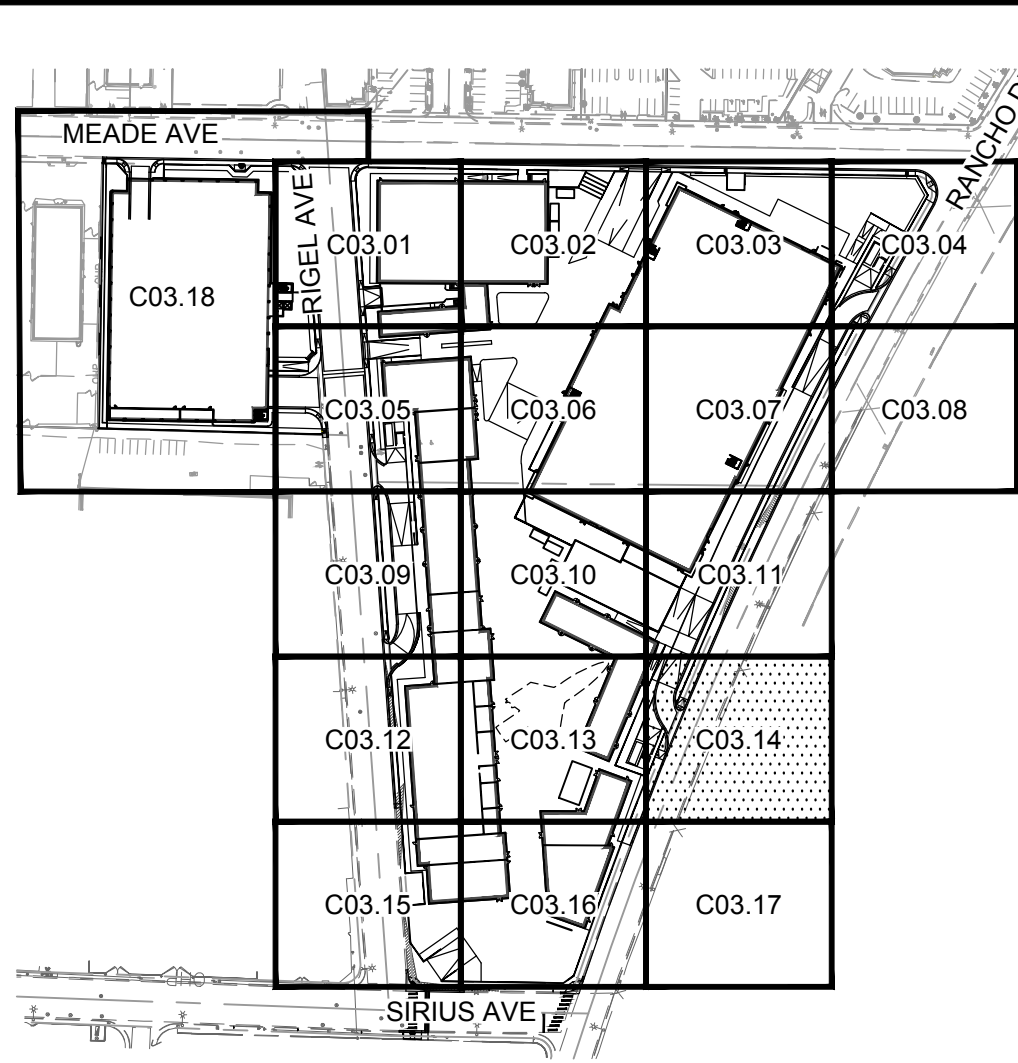
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K:\Nov-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\092965012 - GD - SOUTH-ONSITE.dwg
Plotted By: Duvel, Justin
Sheet Set: KHA - Layout C03.14
November 17, 2022 07:25:32am
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KEY MAP

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4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
5. THE CONTRACTOR SHALL PROTECT IN PLACE EX. IMPROVEMENTS, THAT ARE NOTED TO REMAIN, DURING DEMOLITION AND CONSTRUCTION.
6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROTECT IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
7. ANY EXISTING STRUCTURE(S), IMPROVEMENT(S), AND/OR APPURTENANCE(S) TO REMAIN, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION, SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- ① INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
- ② INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
- ④ INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
- ⑥ INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- ⑥A INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTUAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
- ⑦ INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
- ⑧ INSTALL ADA SIDEWALK RAMP, I.D. AS NOTED ON PLAN. REFER TO DETAILS ON SHEET C03.23-C03.25 FOR RAMP I.D., GEOMETRY AND GRADES.
- ⑨ INSTALL COMMERCIAL DRIVEWAY PER CCAUSD No. 222.1 AND 225.
- ⑩ INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL. SCREEN HEIGHT AS NOTED ON PLANS.
- ⑩A INSTALL SCREEN WALL PER SNBO REGIONAL STANDARD No. B-100-1 WITH GROUTED SCREEN WALL, 6.0' MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
- ⑪ INSTALL SIDEWALK UNDERDRAIN PER CCAUSD No. 236.
- ⑬ INSTALL 6" WIDE VALLEY GUTTER PER DETAIL 4 ON SHEET C03.26.
- ⑮ REFER TO LANDSCAPE PLANS FOR DETAILS.

⑮E MATCH EXISTING

STORM DRAIN NOTES

- ① INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
- ② INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
- ③ INSTALL PVC FITTING, SIZE PER PIPE. TYPE AS NOTED ON PLANS.
- ④ OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.
- ⑤ INSTALL CURB-O-LET MODEL No. TCD35-NS, PER DETAIL 8 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT INLET PIPE TO CURB-O-LET.
- ⑥ INSTALL 4" STORM DRAIN CLEANOUT.

RIGHT-OF-WAY AND EASEMENTS

- ⑩D EX. RANCHO DR R/W PER DOC #0329:0288327.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV118NEE6"

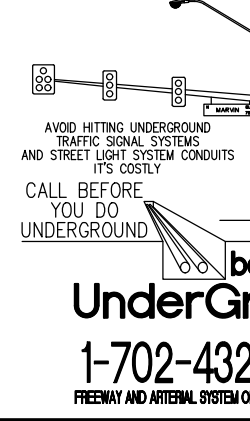
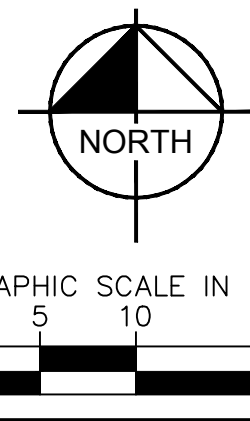
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING

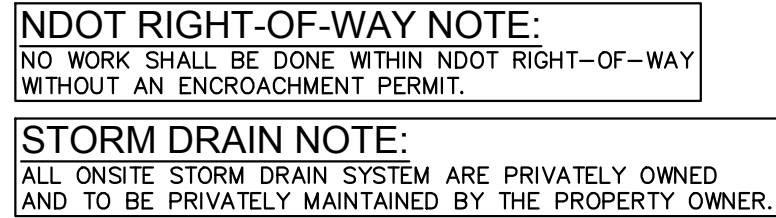
SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



NDOT RIGHT-OF-WAY NOTE:
NO WORK SHALL BE DONE WITHIN NDOT RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.

STORM DRAIN NOTE:
ALL ONSITE STORM DRAIN SYSTEM ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.

KHA PROJECT 092965011		DATE 11/16/2022		SCALE AS SHOWN		DESIGNED BY TEA		DRAWN BY TEA		CHECKED BY TEA		11/16/2022	
Kimley-Horn												© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 6671 LAS VEGAS BOULEVARD S. SUITE 320, LAS VEGAS, NV 89119 PHONE: 702-862-3600 WWW.KIMLEY-HORN.COM	
THOMAS ACKERLEY Exp. 12/31/22 CIVIL No. 18592												11/16/2022	
GRADING PLAN - SHEET 14													
AREA 15 DISTRICT 2													
PREPARED FOR FISHER BROTHERS LAS VEGAS, LLC												NEVADA	
CITY OF LAS VEGAS													
26 OF 35 SHEETS													
C03.14													



1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
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3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
4. THE CONTRACTOR SHALL VERIFY EX. IMPROVEMENTS SHOWN ON THE PLAN AND NOTIFY THE ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
5. THE CONTRACTOR SHALL PROTECT IN PLACE EX. IMPROVEMENTS, THAT ARE NOTED TO REMAIN, DURING DEMOLITION OF EXISTING STRUCTURES.
6. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROTECT IN PLACE UNLESS OTHERWISE NOTED ON THE PLANS.
7. ALL EXISTING STRUCTURES, IMPROVEMENTS(S), AND/OR APPURTENANCE(S) REMAIN, WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION, SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.
8. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
9. THE ON-SITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
10. ADD 2100.00 TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

FLOOD ZONE NOT

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

⑥A INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD NO. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTURAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.

⑩ INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.

⑬S REFER TO LANDSCAPE PLANS FOR DETAILS.

ME MATCH EXISTING

1 INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.

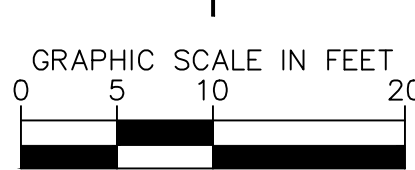
⑩ EX. RIGEL AVE R/W PER DOC #0452:0364174.

⑪ EX. RIGEL AVE R/W PER DOC #0020:0018943.

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV118NEE6"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET

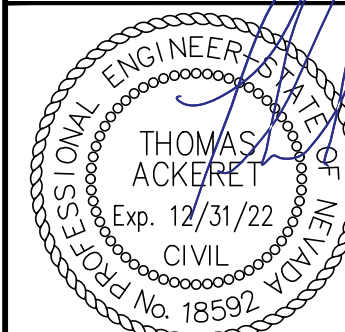
CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



Call before you Dig
Avoid cutting underground utility lines. It's costly.

Call Before You Overhead

[illegible]

KHA PROJECT		11/16/2022
092965011	DATE	
	11/16/2022	
SCALE	AS SHOWN	
DESIGNED BY	TEA	
DRAWN BY	TEA	
CHECKED BY	TEA	

GRADING PLAN -
SHEET 15

27 OF 35 SHEETS

C03.15

AREA 15

DISTRICT 2

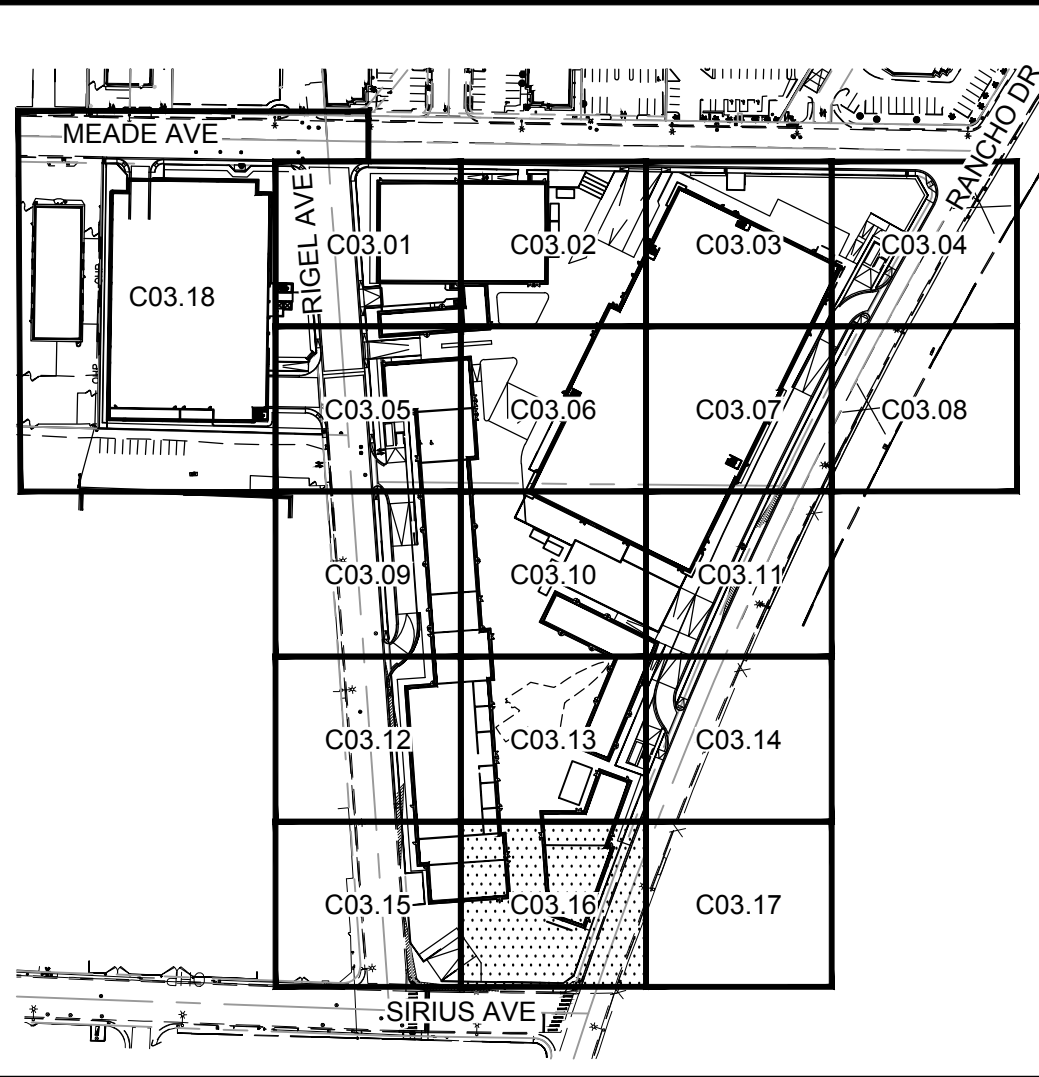
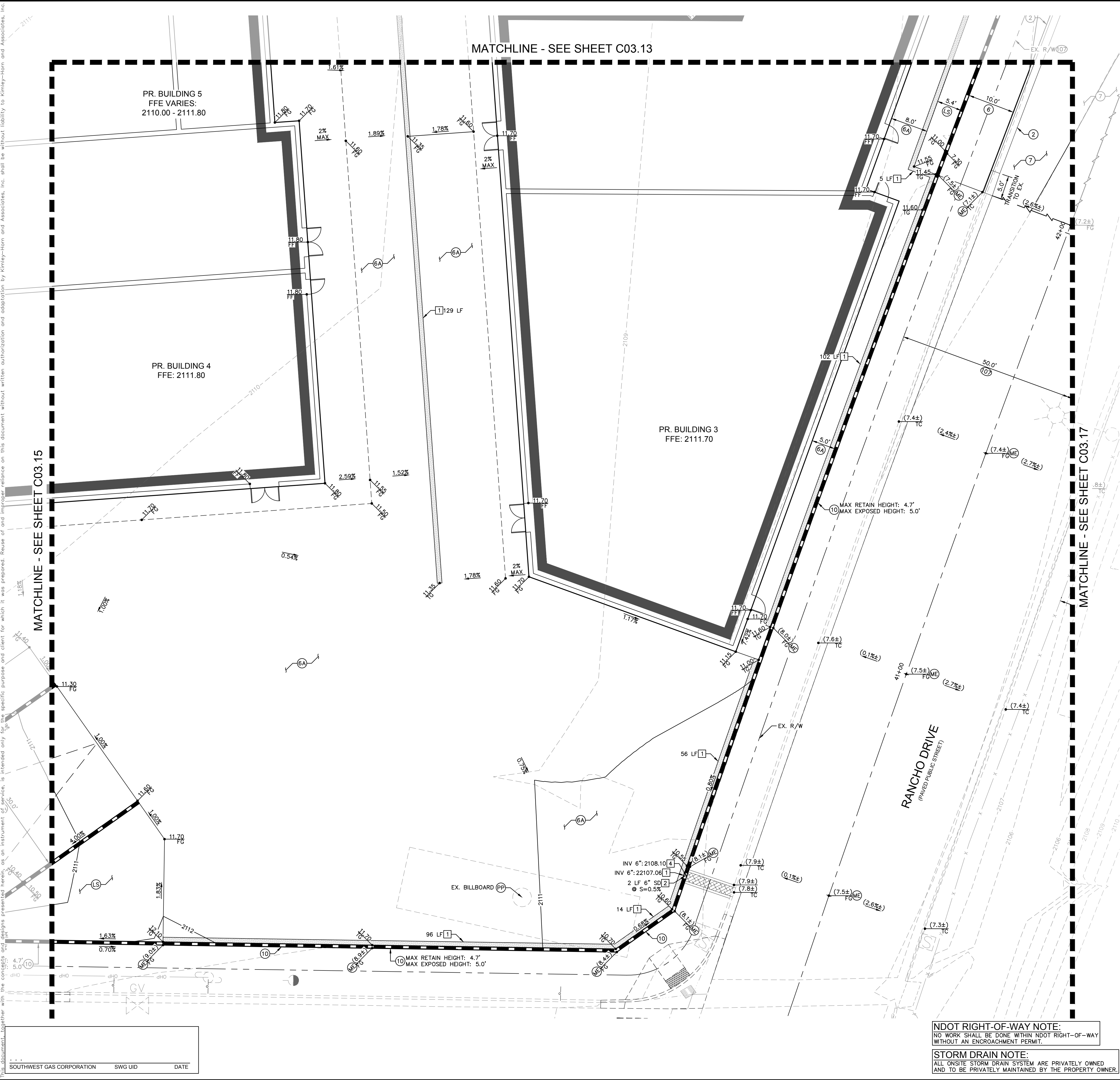
PREPARED FOR

FISHER BROTHERS LAS VEGAS, LLC

CITY OF LAS VEGAS

NEVADA

Plotted By: Duvel, Justin Sheet: Set: kha Layout: C03.16 November 17, 2022 07:26:16am K:\Nov-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plan\sheet\02 plan\sheet\092965012 - GD - SOUTH-ONSITE.dwg
This document, together with the concepts and designs presented herein, is an instrument of service. It is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



KEY MAP
NTS

- GENERAL NOTES**
1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
 2. ALL DIMENSIONS ARE MEASURED FROM BACK OF CURB UNLESS OTHERWISE NOTED ON PLANS.
 3. THE CONTRACTOR SHALL VERIFY EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
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GEOTECHNICAL REPORT
ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE
REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES
REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- (2) INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
- (6) INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- (6A) INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTURAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
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- (ME) MATCH EXISTING
- (PP) PROTECT IN PLACE

STORM DRAIN NOTES

- (1) INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.
- (2) INSTALL PVC STORM DRAIN PIPE WITH EXCAVATION, BACKFILL, AND TYPE 2 BEDDING PER CCAUSD No.503.1. SIZE, LENGTH, AND SLOPE AS NOTED ON PLANS.
- (4) OUTLET STORM DRAIN PIPE THROUGH PERIMETER FLOOD WALL. PIPE INVERT SHALL BE FLUSH WITH SIDEWALK UNDERDRAIN FLOWLINE ELEVATION.

RIGHT-OF-WAY AND EASEMENTS

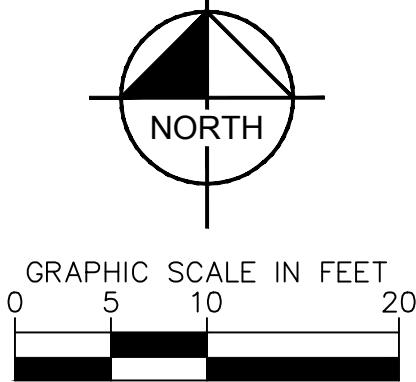
- (107) EX. RANCHO DR R/W PER DOC #0329:0288327.

BENCHMARK
CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV11BNEE"

RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.
ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING
SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



Call before you Dig
Avoid overhead power line contact. It's costly.

Call before you UnderGround
1-702-432-5300
FERRY AND OTHER SYSTEMS OF TRANSPORTATION

Call Before You Overhead
1-800-642-2444
1-702-227-2929

NDOT RIGHT-OF-WAY NOTE:
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STORM DRAIN NOTE:
ALL ONSITE STORM DRAIN SYSTEM ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.

KHA PROJECT		DATE		SCALE		DESIGNED BY		DRAWN BY		CHECKED BY	
092965011		11/16/2022		AS SHOWN		TEA		TEA		TEA	

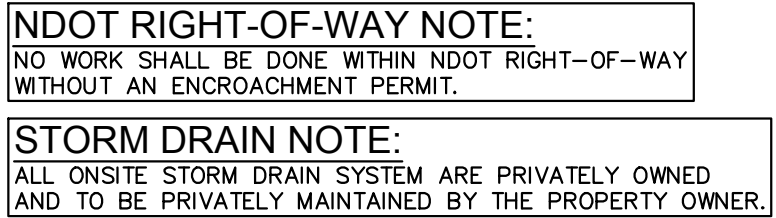
Kimley»Horn
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6671 LAS VEGAS BOULEVARD S. SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM

11/16/2022

GRADING PLAN - SHEET 16

AREA 15 DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS NEVADA

28 OF 35 SHEETS
C03.16



GENERAL NOTES

1. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.
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GEOTECHNICAL REPORT

ALL GRADING SHALL CONFORM TO THE GEOTECHNICAL REPORT:

ENGINEER: NINYO & MOORE
DATED: 10/31/2022
PROJECT No: 304970001

FLOOD ZONE NOTE

REFER TO SHEET C03.00 FOR FLOOD ZONE NOTES.

STORMWATER COMPLIANCE NOTES

REFER TO SHEET C03.00 FOR STORM WATER COMPLIANCE NOTES.

CONSTRUCTION NOTES

- ⑦ INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.

RIGHT-OF-WAY AND EASEMENTS

- 107 EX. RANCHO DR R/W PER DOC #0329:0288327.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"

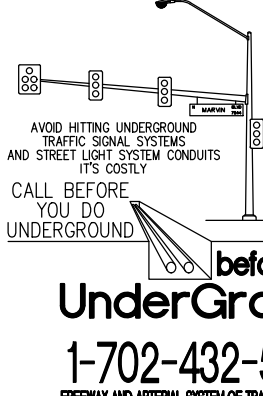
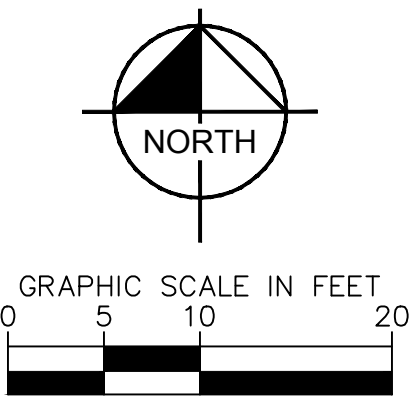
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ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



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Avoid cutting underground utility lines. It's costly.

CALL

Before You

Overhead

Vernead
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AREA 15

DISTRICT 2

PREPARED FOR

FISHER BROTHERS LAS VEGAS, LLC

CITY OF LAS VEGAS

NEVADA

29 OF 35 SHEETS

C03.17

GRADING PLAN -

SHEET 17

KHA PROJECT	092965011	DATE	11/16/2022	
SCALE	AS SHOWN	DESIGNED BY	TEA	
		DRAWN BY	TEA	
CHECKED BY	TEA			

11/16/2022



Kimley»»Horn

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 6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
 PHONE: 702-862-3600
 WWW.KIMLEY—HORN.COM



1. THE CONTRACTOR SHALL VERIFY THE EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
3. ALL PAVEMENT SECTIONS SHOWN HEREIN ARE BASED ON THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.
4. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
5. ADD 2000' TO SHEET C00.02 ELEVATIONS UNLESS OTHERWISE NOTED.
6. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.

- ① INSTALL MODIFIED TYPE 'A' CONCRETE CURB PER DETAIL 1 ON SHEET C03.26.
- ② INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUD NO. 216.
- ④ INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
- ⑥ INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUD NO. 234, WIDTH AS NOTED ON PLANS, 2% MAX CROSS SLOPE.
- ⑥A INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUD NO. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTURAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
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- ⑩A INSTALL SCREEN WALL PER SNBO REGIONAL STANDARD NO. B-100-1 WITH CRIPPLE SCREEN WALL, 6.0" MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
- ⑬ INSTALL 6' WIDE VALLEY GUTTER PER DETAIL 4 ON SHEET C03.26.
- ⑬ REFER TO LANDSCAPE PLANS FOR DETAILS.
- PP PROTECT IN PLACE

1 INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.

102 EX. RIGEL AVE R/W PER DOC #0452:0364174
103 EX. RIGEL AVE R/W PER DOC #0020:0018943

BENCHMARK
CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "5LV118NEE6"
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCH
DRIVE AND KINGS WAY.

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

FEET 40

4

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS ITS COSTLY

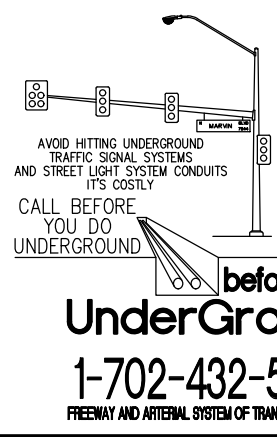
CALL BEFORE YOU DIG UNDERGROUND

before

UnderGround

1-702-432-5

FREEWAY AND ARTERIAL SYSTEMS OF TRAVEL



CALL

OR
1-800-642-2444

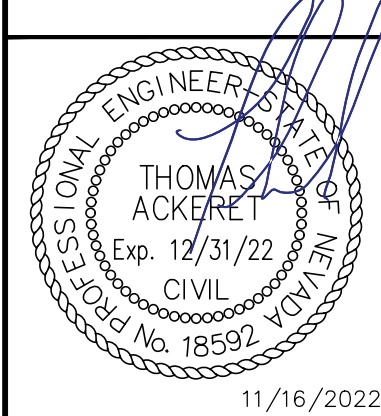
Avoid overhead power line contact. It's costly.

**Call
Before You
Overhead**

702-227-2929

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

Kimley»Horn
© 2022 KIMLEY-HORN AND ASSOCIATES, INC.
6671 LAS VEGAS BOULEVARD S., SUITE 320, LAS VEGAS, NV 89119
PHONE: 702-862-3600
WWW.KIMLEY-HORN.COM



KHA PROJECT	DATE
092965011	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA



1. THE CONTRACTOR SHALL VERIFY THE EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
3. ALL PAVEMENT SECTIONS SHOWN HEREIN ARE BASED ON THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.
4. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
5. ADD 2000' TO ALL 2--DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.
6. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.

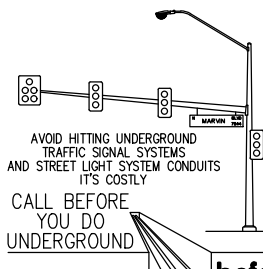
- 2 INSTALL TYPE '1' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
- 3 INSTALL 6" FACE CURB PER DETAIL 2 ON SHEET C03.26.
- 4 INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER
GEO TECHNICAL REPORT RECOMMENDATIONS.
- 6 INSTALL CONCRETE PUBLIC SIDEWALK PER CCAUSD No. 234, WIDTH AS NOTED
ON PLANS, 2% MAX CROSS SLOPE.
- 6A INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD No. 234 (2% MAX CROSS
SLOPE) REFER TO ARCHITECTURAL PLANS FOR COLOR, PATTERN, & OR
TREATMENT.
- 7 INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR
MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
- 10 INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL
STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS
NOTED ON PLANS.
- 10A INSTALL SCREEN WALL PER SNBO REGIONAL STANDARD No. B-100-1 WITH
GROUTED SCREEN WALL, 60 MIN. SCREEN HEIGHT. SEE ARCHITECTURAL PLANS
FOR COLOR, TEXTURE, AND/OR FINISH DETAILS.
- 13 INSTALL 6' WIDE VALLEY GUTTER PER DETAIL 4 ON SHEET C03.26.
- 15 REFER TO LANDSCAPE PLANS FOR DETAILS.
- PP PROTECT IN PLACE



1 INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH CLASS A DUCTILE IRON DECORATIVE GRATE (DOG) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.

102 EX. RIGEL AVE R/W PER DOC #0452:0364174.
 103 EX. RIGEL AVE R/W PER DOC #0020:0018943.
 107 EX. RANCHO DR R/W PER DOC #0329:0288327

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M., AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



CALL

Call

Before You

overhead

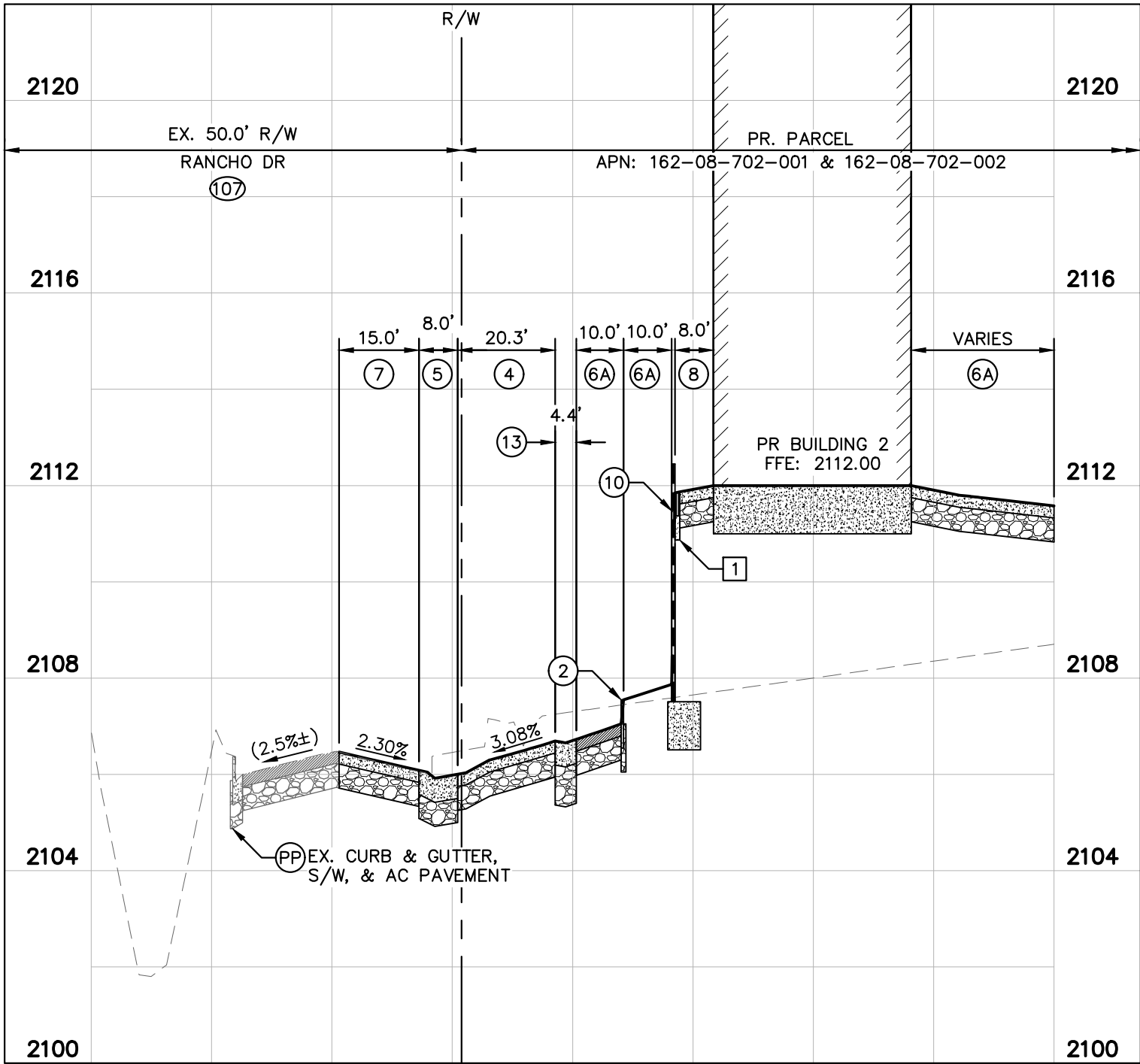
02-227-2929

33 OF 35 SHEETS
C03.21

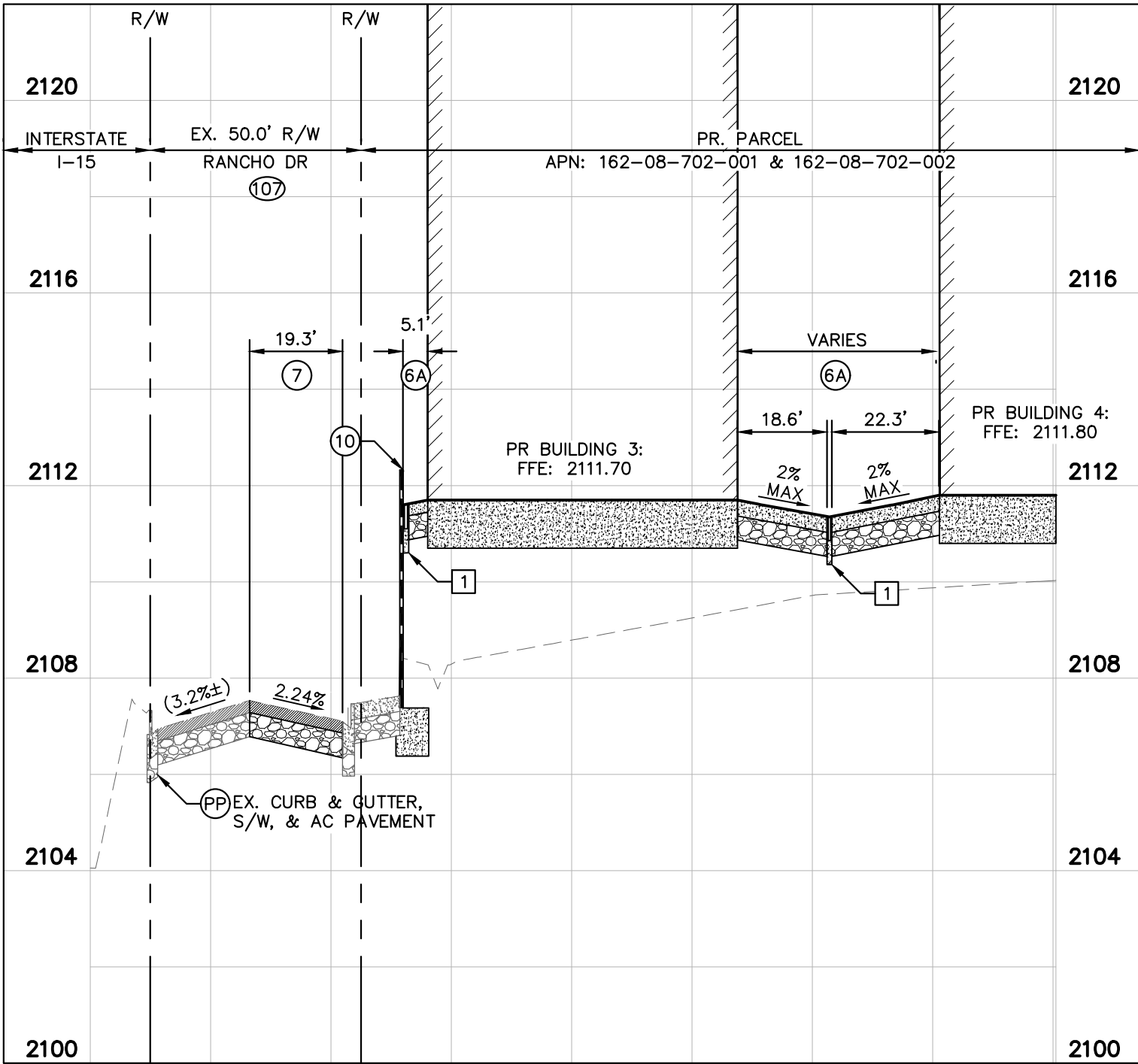
[illegible]

KHA PROJECT	092965011	DATE	11/16/2022	SCALE	AS SHOWN	DESIGNED BY	TEA	DRAWN BY	TEA	CHECKED BY	TEA
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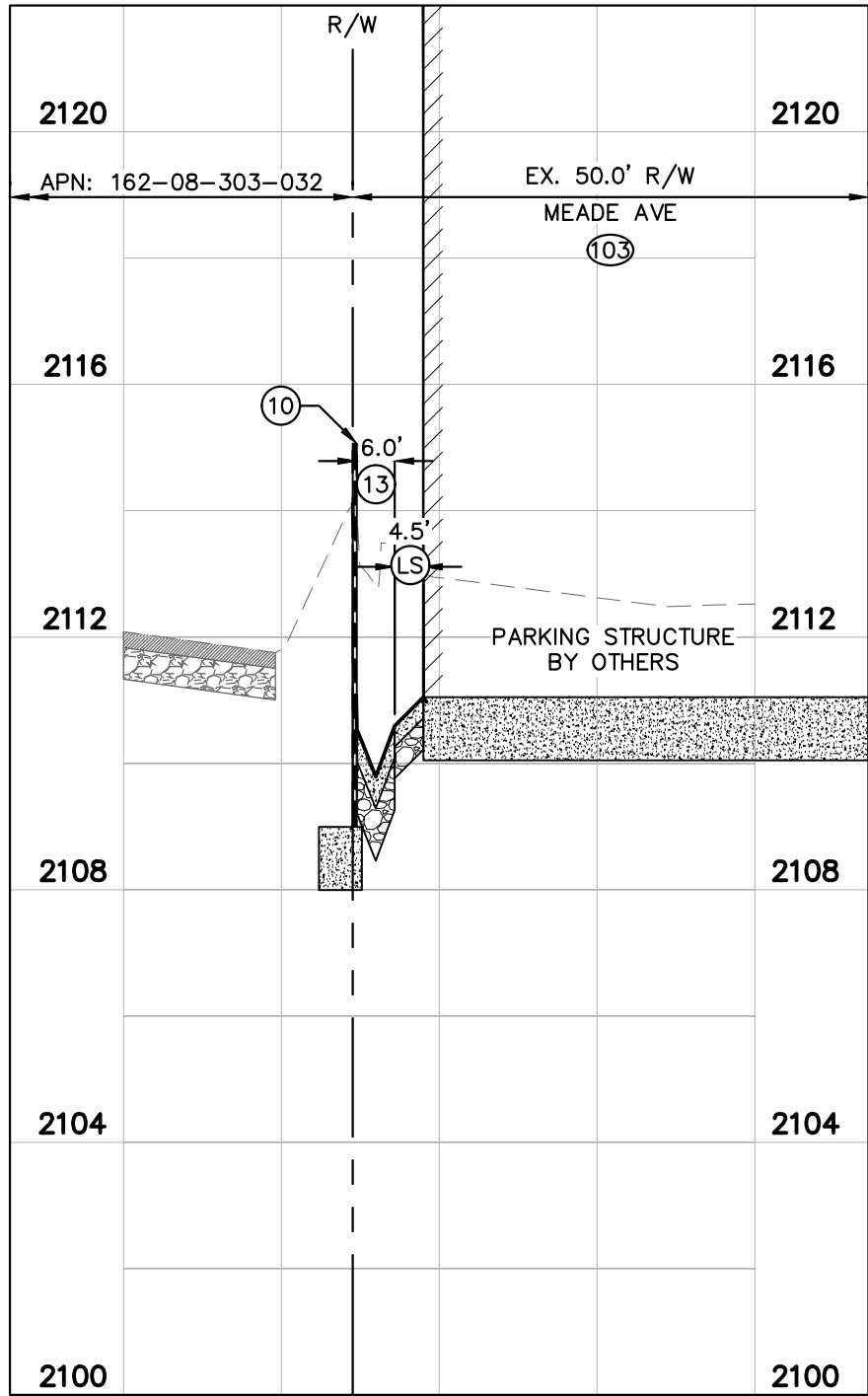
Plotted By: Duvel, Justin Sheet: Section M Layout: C03.22 November 17, 2022 07:28:41am K:\nav-civil\092965012 - area 15 district 2 (fisher brothers)\CAD\plansheets\02 plansheets\092965012 - GD - SECTIONS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



M
SECTION M
C03.00



N
SECTION N
C03.00



O
SECTION O
C03.00

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EX. GRADES PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN THE FIELD CONDITION AND THESE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
2. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE IS MAINTAINED.
3. ALL PAVEMENT SECTIONS SHOWN HEREIN ARE BASED ON THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.
4. THE ONSITE STORMWATER CONVEYANCE SYSTEM IS TO BE PRIVATELY MAINTAINED.
5. ADD 2000' TO ALL 2-DIGIT ELEVATIONS UNLESS OTHERWISE NOTED.
6. REFER TO SHEET C00.02 FOR LEGEND AND ABBREVIATIONS.

CONSTRUCTION NOTES

2. INSTALL TYPE 'L' CONCRETE CURB AND GUTTER PER CCAUSD No. 216.
4. INSTALL 6.0" CONCRETE PAVEMENT OVER 4.0" TYPE II AGGREGATE BASE PER GEOTECHNICAL REPORT RECOMMENDATIONS.
5. INSTALL CONCRETE CROSS GUTTER PER CCAUSD No. 228.
- 6A. INSTALL CONCRETE PRIVATE SIDEWALK PER CCAUSD NO. 234 (2% MAX CROSS SLOPE) REFER TO ARCHITECTUAL PLANS FOR COLOR, PATTERN, & OR TREATMENT.
7. INSTALL PAVEMENT AND BASE MATERIAL PER CCAUSD No. 200 AND 200.1 OR MATCH EXISTING ROADWAY STRUCTURAL SECTION, WHICHEVER IS GREATER.
8. INSTALL ADA SIDEWALK RAMP, I.D. AS NOTED ON PLAN, REFER TO DETAILS ON SHEET C03.23-C03.25 FOR RAMP I.D., GEOMETRY AND GRADES.
10. INSTALL RETAINING WALL (4' MAX RETAINING HEIGHT) PER SNBO REGIONAL STANDARD No. B-100-2 WITH GROUTED SCREEN WALL, SCREEN HEIGHT AS NOTED ON PLANS.
13. INSTALL 6' WIDE VALLEY GUTTER PER DETAIL 4 ON SHEET C03.26.
15. REFER TO LANDSCAPE PLANS FOR DETAILS.
16. PROTECT IN PLACE

STORM DRAIN NOTES

1. INSTALL Z886-HDG-LD TRENCH DRAIN SYSTEM WITH GLASS A DUCTILE IRON DECORATIVE GRATE (0.02) PER DETAIL 6 ON SHEET C03.26 (OR APPROVED EQUAL), WITH ANY REQUIRED ADAPTERS/FITTINGS REQUIRED TO CONNECT DRAIN TO OUTLET PIPE, LENGTH AS NOTED ON PLANS.

RIGHT-OF-WAY AND EASEMENTS

103. EX. RIGEL AVE R/W PER DOC #0020:0018943.
107. EX. RANCHO DR R/W PER DOC #0329:0288327.

STORM DRAIN NOTE:

ALL ONSITE STORM DRAIN SYSTEM ARE PRIVATELY OWNED AND TO BE PRIVATELY MAINTAINED BY THE PROPERTY OWNER.

BENCHMARK

CLARK COUNTY VERTICAL CONTROL
BENCHMARK No. "SLV118NEEB"

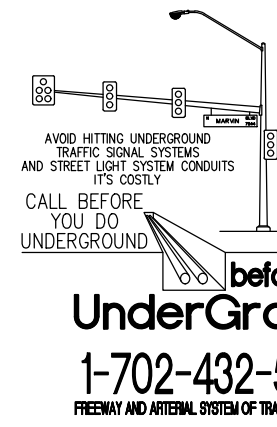
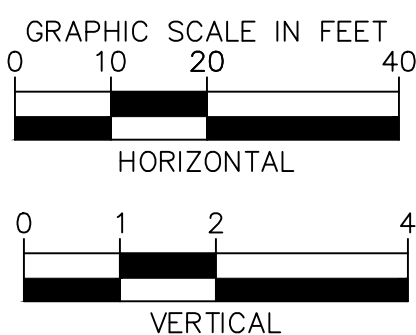
RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF RANCHO DRIVE AND KINGS WAY.

ELEVATION = 635.481 METERS
2084.91 FEET

CITY OF LAS VEGAS VERTICAL CONTROL DATUM BASED UPON
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88 V.2018)

BASIS OF BEARING

SOUTH 89°40'45" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 8, TOWNSHIP 21 SOUTH, RANGE 61 EAST, M.D.M. AS SHOWN IN FILE 135, PAGE 29 OF SURVEYS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.



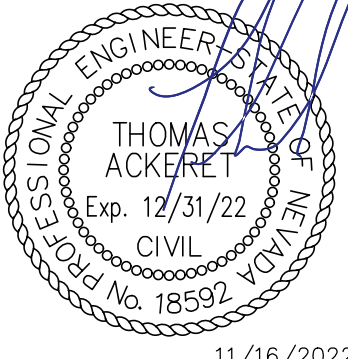
GRADING SECTIONS - SHEET 4

AREA 15
DISTRICT 2
PREPARED FOR
FISHER BROTHERS LAS VEGAS, LLC
CITY OF LAS VEGAS
NEVADA

34 OF 35 SHEETS

C03.22

Kimley»Horn
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PHONE: 702-862-3600
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KHA PROJECT	092965011
DATE	11/16/2022
SCALE	AS SHOWN
DESIGNED BY	TEA
DRAWN BY	TEA
CHECKED BY	TEA

BY	DATE
REVISIONS	No.

