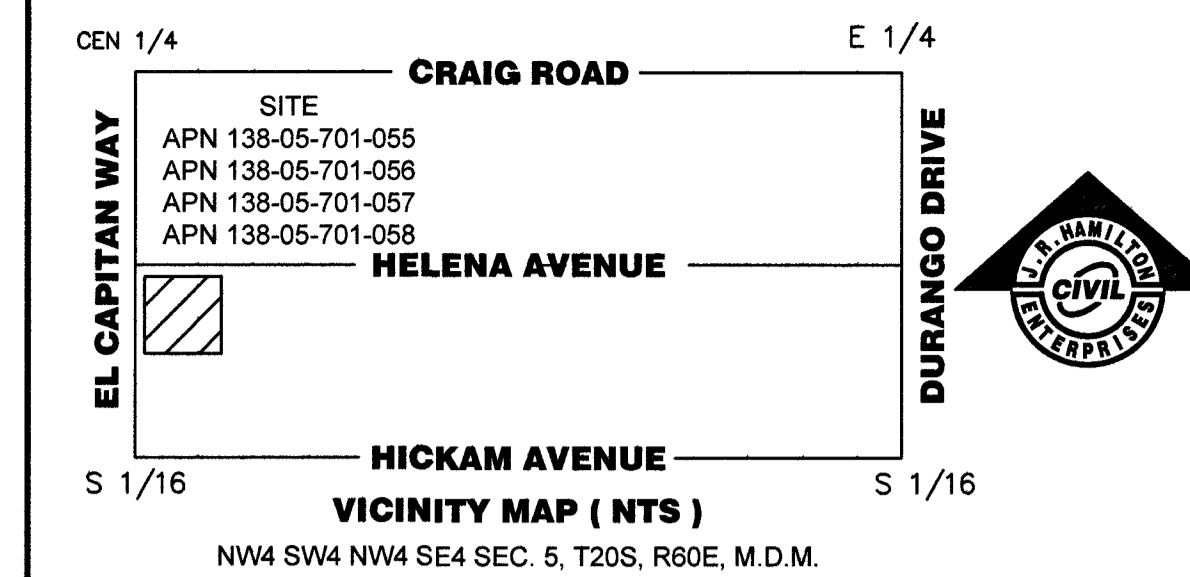


CIVIL ENGINEERING IMPROVEMENT PLANS

HELENA AVE / EL CAPITAN WAY APN 138-05-701-055, 056, 057, AND 058 (2.0 AC) SEWER EXTENSION PLANS DR HORTON, INC.



BENCHMARK
CLARK COUNTY BENCHMARK STATION: BLV00 504
CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN CONCRETE PAD, NORTH SIDE OF CRAIG ROAD 4'-30" WEST OF EL CAPITAN WAY.
ELEVATION=742.448 METERS (NAV'D/88 v.2003)=2435.85 US SURVEY FEET (NAV'D/88 v.2003)

BASIS OF BEARING
NORTH 00°06'41" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE IN FILE 134, PAGE 80 OF SURVEYS.

FLOOD ZONE
FIRM PANEL # 32003C2135F, ZONE "X", MAP REVISED DATED NOVEMBER 16, 2011, WHICH IS DEFINED AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN.

LEGAL DESCRIPTION
LOTS 1, 2, 3, AND 4 IN FILE 121, PAGE 75 OF PARCEL MAPS ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, M.D.M.
APN 138-05-701-055, 056, 057, AND 058



- INDEX OF SHEETS**
- C1-COVER SHEET
 - C2-NOTES SHEET
 - C3-UTILITY PLAN
 - C4-PLAN & PROFILE - HELENA AVENUE
 - C5-PLAN & PROFILE - PRIVATE STREET

OWNER INFORMATION:
APN 138-05-701-055, 056, 057, AND 058
DR HORTON, INC.
1081 WHITNEY RANCH DRIVE
HENDERSON, NEVADA 89014
CONTACT: MICHAEL CUDDY
PHONE: (702) 635-3600

DEVELOPER INFORMATION:
DR HORTON, INC.
1081 WHITNEY RANCH DRIVE
HENDERSON, NEVADA 89014
CONTACT: MICHAEL CUDDY
PH: (702) 635-3600

CLARK COUNTY APPROVALS:

Barbara Garrison 4-28-17
NEVADA ENERGY DATE

NEVADA ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NEVADA 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.

Tommy Joe Dick 4/27/17
SOUTHWEST GAS CORPORATION DATE

Nikhil Musairi 4/21/17
COX COMMUNICATIONS, LAS VEGAS, INC. DATE

Diana Schom 4-20-17
CENTRAL TELEPHONE COMPANY, D.B.A. CENTURYLINK DATE

THE AFFIXED CENTRAL TELEPHONE COMPANY, D.B.A. CENTURYLINK, APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND/OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.

NOTE:
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG: 1 (800) 227-2600

CLARK COUNTY WATER RECLAMATION DISTRICT DEVIATION FROM STANDARDS
I CERTIFY THAT THE ONLY DEVIATIONS FROM THE DESIGN AND CONSTRUCTION STANDARDS THAT ARE APPROVED BY THE CCWRD ARE LISTED BELOW:
• NONE
NOT APPLICABLE - NO CCWRD SERVICE
JOHN R. HAMILTON, P.E., #15732 DATE

JOHN R. HAMILTON ENTERPRISES, INC. UTILITY NOTE:
JOHN R. HAMILTON ENTERPRISES, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THIS DRAWING AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

CAUTION TO CONTRACTOR
THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

CLARK COUNTY PRE-DEVELOPMENT MEETING:
A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT THE INSPECTOR AT (702) 455-4810.

CITY OF LAS VEGAS (SEWER ONLY)
Allen Pavelka 5-11-17
CITY ENGINEER - ALLEN PAVELKA, PE, #9029 DATE

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

CLARK COUNTY FIRE DEPARTMENT APPROVED
BY: **NOT APPLICABLE** DATE:
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.
FIRE FLOW **N/A** GPM AT 20 PSI RESIDUAL.

L.V.-W.D. APPROVED FOR CONSTRUCTION
H. Disha
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 5/3/17 PROJECT NO: 125384
LWWD APPROVED FIRE FLOW **N/A** GPM AT 20 PSI RESIDUAL.
CIVIL IMPROVEMENT PLANS SHEETS: C1-C5

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

FAST Call before you Underground
702-432-5300
FREEMAN AND ARTERIAL SYSTEM OF TRANSPORTATION AND METRO UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
Call before you Crane Overhead
702-227-2929

LOCATION MAP
NOT TO SCALE

WATER
LAS VEGAS VALLEY WATER DISTRICT
1001 SOUTH VALLEY VIEW BOULEVARD
LAS VEGAS, NEVADA 89153
PH: (702) 870-2011

SEWER - CLV SYSTEM
CITY OF LAS VEGAS
333 NORTH RANCHO DRIVE
LAS VEGAS, NEVADA 89106
PH: (702) 229-8371

GAS COMPANY
SOUTHWEST GAS CORPORATION
3945 PEBBLE CREEK AVENUE, LAS VEGAS, NEVADA 89129
PH: (702) 651-2111

POWER
NEVADA ENERGY
2215 EAST LONE MOUNTAIN ROAD
LAS VEGAS, NEVADA 89031
PH: (702) 402-8400

TELEPHONE
CENTURYLINK
6700 VIA AUSTI PARKWAY
LAS VEGAS, NEVADA 89119
PH: (702) 444-8004

CABLE TV
COX CABLE
1700 VEGAS DRIVE
LAS VEGAS, NEVADA 89106
PH: (702) 384-8084

DEVELOPMENT REVIEW
CLARK COUNTY
500 SOUTH GRAND CENTRAL PARKWAY
LAS VEGAS, NEVADA 89155
PH: (702) 455-4800

BUILDING DEPARTMENT
CLARK COUNTY
4701 WEST RUSSELL ROAD
LAS VEGAS, NEVADA 89118
PH: (702) 455-3000

FIRE DEPARTMENT
CLARK COUNTY
4701 WEST RUSSELL ROAD
LAS VEGAS, NEVADA 89118
PH: (702) 455-7316

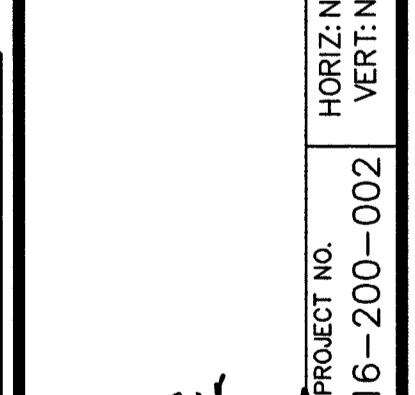
DR HORTON
1081 WHITNEY RANCH DRIVE • HENDERSON • NEVADA • 89014
PH: (702) 635-3600 CONTACT: MICHAEL CUDDY

JOHN R. HAMILTON ENTERPRISES, INC.
3945 PEBBLE CREEK AVENUE, LAS VEGAS, NEVADA 89129
PH: (702) 651-2111 WWW.JRHAMILTONENTERPRISES.COM



COVER SHEET
HELENA AVE / EL CAPITAN WAY
SEWER EXTENSION PLANS
CLARK COUNTY, NEVADA 89129
138-05-701-055, 056, 057, AND 058

SHEET: _____ PROJECT: _____
HORIZ: N/A VERT: N/A
PROJECT NO: 16-200-002



CLARK CNTY FIRE	N/A
CNTY TRAFFIC STDY	N/A
CNTY DRAINAGE STDY	N/A
CONTR	N/A
CNTY SOILS REPORT	N/A
CCWRD	N/A
LWWD	125384
CNTY CIVIL IMP PLANS	17-9028
CLV HANSEN	69255
PAGE:	C1

CLARK COUNTY NOTES:

CONSTRUCTION NOTES - (09-24-2011)

- 1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE TO SCHEDULE AT (702) 455-4610. PERMIT, APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.

GENERAL TRAFFIC NOTES (09-24-2011)

- 1. 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 HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

REGIONAL TRANSPORTATION COMMITTEE CITIZEN AREA TRANSIT ACCESS NOTES:

- 1. UNLESS OTHERWISE SPECIFIED THE SPECIAL PROVISIONS AND PUBLIC BUS OR TRANSIT STOP SHALL BE TEMPORARILY CLOSED WITHOUT THE WRITTEN CONSENT OF THE REGIONAL TRANSPORTATION COMMISSION (RTC) DIRECTOR OR HIS DESIGNEE.

PUBLIC WORKS UTILITY NOTES:

- 1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE, 455-4610.

LAS VEGAS VALLEY WATER DISTRICT - LVVWD PROJECT # 125384

- 1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

CLARK COUNTY DEPARTMENTAL NOTES:

CLARK COUNTY WATER RECLAMATION DISTRICT - GENERAL NOTES (TABLE F - 2009 3RD EDITION)

- 1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION; UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS, LATEST EDITION; THE UNIFORM STANDARDS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY, NEVADA, AS AMENDED; AND THE UNIFORM PLUMBING CODE AS CONTROLLED BY THE CONTROLLING AGENCY OF ANY CONFLICTS DISCOVERED BETWEEN THESE SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK GOVERNED BY THE CONFLICTING REQUIREMENTS.

FIRE DEPARTMENT GENERAL NOTES (SEPTEMBER 11, 2015)

- A. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY FIRE CODE AS AMENDED, THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS (UDACS) AS ADOPTED BY CLARK COUNTY AND THE CURRENTLY ADOPTED EDITION OF NFPA 24.

FIRE DEPARTMENT HYDRANTS (SEPTEMBER 11, 2015)

- A. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITION OF UDACS AND THIS GUIDELINE. FIRE HYDRANTS SHALL BE MAINTAINED IN ACCORDANCE WITH NFPA 25 AND KEPT IN AN OPERATIVE CONDITION WITH THE REQUIRED WATER SUPPLY.

FIRE DEPARTMENT CONNECTIONS (SEPTEMBER 11, 2015)

- A. FIRE DEPARTMENT CONNECTIONS SHALL BE LOCATED WITHIN 100-FEET OF A FIRE HYDRANT AS MEASURED BY AN APPROVED UNSTRUCTURED ROUTE.

FIRE DEPARTMENT UNDERGROUND PIPING & VALVES (SEPTEMBER 11, 2015)

- A. UNDERGROUND PIPING SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI. UNDERGROUND PIPING CONNECTED TO A FIRE PUMP OR A FIRE DEPARTMENT CONNECTION (FDC) SHALL HAVE A MINIMUM WORKING PRESSURE OF 200 PSI (CLASS 200).

FIRE DEPARTMENT GATES (SEPTEMBER 11, 2015)

- A. SHOP DRAWINGS FOR ALL GATES AND MOTORIZED OPENERS OBSTRUCTING FIRE DEPARTMENT ACCESS ROADS SHALL BE SUBMITTED SEPARATELY FOR REVIEW AND RECEIVE APPROVAL PRIOR TO INSTALLATION. A SEPARATE PERMIT IS REQUIRED FOR EACH GATED ENTRANCE.

FIRE DEPARTMENT FIRE APPARATUS ACCESS ROADS (SEPTEMBER 11, 2015)

- A. SPEED BUMPS AND/OR SPEED HUMPS SHALL NOT BE PERMITTED WITHIN THE REQUIRED WIDTH OF FIRE APPARATUS ACCESS ROADS.

BOND QUANTITIES

Table with columns: ROADWAY, PUBLIC, PRIVATE. Rows include 2-INCH ASPHALTIC CONCRETE PAVING, 3-INCH ASPHALTIC CONCRETE PAVING, TYPE II GRAVEL BASE, 6-INCH WIDE WHITE EDGE ASPHALT LINE, SEWER, PUBLIC, PRIVATE.

CLARK COUNTY WATER RECLAMATION DISTRICT DEVIATION FROM STANDARDS

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

- NONE

NOT APPLICABLE - NO CCWRD SERVICE

JOHN R. HAMILTON, P.E., #15732 DATE

PROPERTY OWNER STATEMENT

THE SITE WILL BE SUBJECT TO ENFORCEMENT OF COVENANTS, CONDITIONS, AND RESTRICTIONS AND THE GOVERNING DOCUMENTS WILL DICATE HOW THE ASSOCIATION OPERATES AND GOVERNING RULES OF OWNERS, TENANTS, AND GUESTS.

811 logo and call before you Dig, FAST Call before you Underground, Call before you Crane Overhead. Includes phone numbers and diagrams of utility lines and cranes.

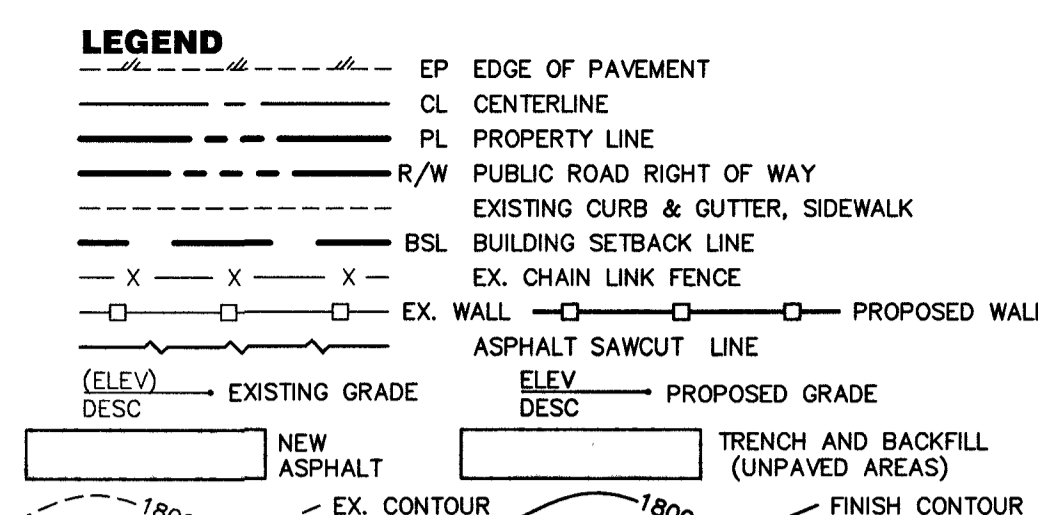


Table with columns: AC, APN, BC, BCR, BFE, BOB, BSL, BSW, BWV, CATV, CB, CL, COMC, DCSWS, DESC, DW, EB, ELEC, ELEV, ELEC METER, ER, EX, F, FNC, FO, FIBER, FIN, GRTE, GW, HC, HD, HY/F, ICV, LF, LP, MIN, MIN, NO/GS, NPC, PP, PROT, R, REC, RET, REBAR, S, SCSO, SSMH, STA, SWA, SWR, TEL, TBSW, TELE, TR, TMH, TOE, TR, TRS, TRSW, TV, UDACS, UNIFORM, VALVE, VER, VPT, WC, WTR, WTR, WTR, WTR.

CITY OF LAS VEGAS - SEWER NOTES (04-15-2010)

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WATER COLLECTIONS AND INSPECTION STANDARDS SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED.

CLARK COUNTY PRE-DEVELOPMENT MEETING:

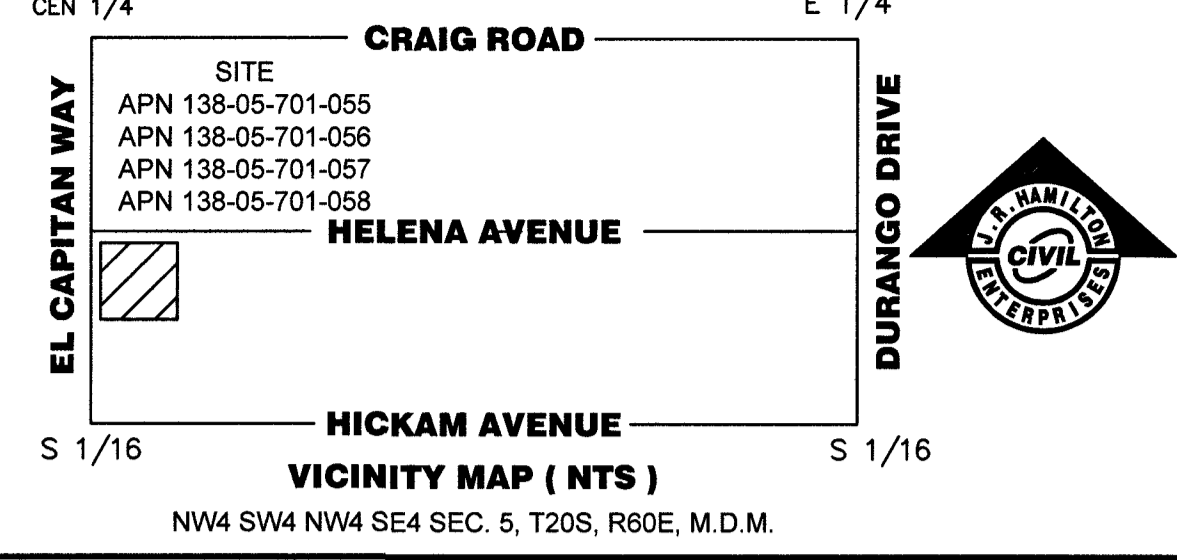
A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT THE INSPECTOR AT (702) 455-4610.

JOHN R. HAMILTON ENTERPRISES, INC. UTILITY NOTE:

JOHN R. HAMILTON ENTERPRISES, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.

STORMWATER MANAGEMENT NOTES

- 1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT AND CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF ANY DISTURBED AREAS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT.



BENCHMARK

CLARK COUNTY BENCHMARK STATION: 8LV00 5C4 CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN CONCRETE PAD, NORTH SIDE OF CRAIG ROAD +/- 30' WEST OF EL CAPITAN WAY.

BASIS OF BEARING

NORTH 00°06'41" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 134, PAGE 80 OF SURVEYS.

FLOOD ZONE

FIRM PANEL # 320032135F, ZONE "X", MAP REVISED DATE NOVEMBER 16, 2011, WHICH IS DEFINED AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN.

LEGAL DESCRIPTION

LOTS 2, 3 AND 4 IN FILE #121, PAGE 75 OF PARCEL MAPS ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, M.D.M.

CITY OF LAS VEGAS - GENERAL NOTES (02-03-2015)

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA, LATEST ISSUE; THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA, LATEST EDITION; THE SUMMERLIN IMPROVEMENT STANDARDS FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR.

DR HORTON logo, JOHN R. HAMILTON ENTERPRISES, INC. logo, NOTES SHEET, HELENA AVE / EL CAPITAN WAY SEWER EXTENSION PLANS, CLARK COUNTY, NEVADA 89129, 138-05-701-055, 056, 057, AND 058. Includes project details, sheet number 16-200-002, and a table of revision dates.

CAUTION TO CONTRACTOR

THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

LVVWD APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER DATE 5/13/17 PROJECT NO. 125384

LVVWD APPROVED FIRE FLOW N/A GPM AT 20 PSI RESIDUAL CIVIL IMPROVEMENT PLANS SHEETS: C1-C5

CLARK COUNTY FIRE DEPARTMENT APPROVED

BY: NOT APPLICABLE DATE:

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.

FIRE FLOW N/A GPM AT 20 PSI RESIDUAL

Professional Engineer seal for JOHN R. HAMILTON, CIVIL ENGINEER, No. 015732, Exp. 06/30/2017. Includes a table of revision dates.

Handwritten numbers: 469255, 307V1125, 2 OF 5 SHEETS

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

FAST
Call before you Underground
702-432-5300

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
Call before you Crane Overhead
702-227-2929

FREWAY AND ARTERIAL SYSTEM OF TRANSPORTATION
AND HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS
AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.

FINAL MAP DISCLOSURE
REFER TO RESIDENTIAL SUBDIVISION FINAL MAP
THIS IS NOT A PROPERTY SURVEY. THIS PLAN IS INTENDED TO BE USED FOR LAYOUT AND GRADING PURPOSES ONLY. LOT LINE DIMENSIONS MAY DIFFER FROM THOSE SHOWN HEREON TO THAT OF THE OFFICIAL RESIDENTIAL SUBDIVISION FINAL MAP.

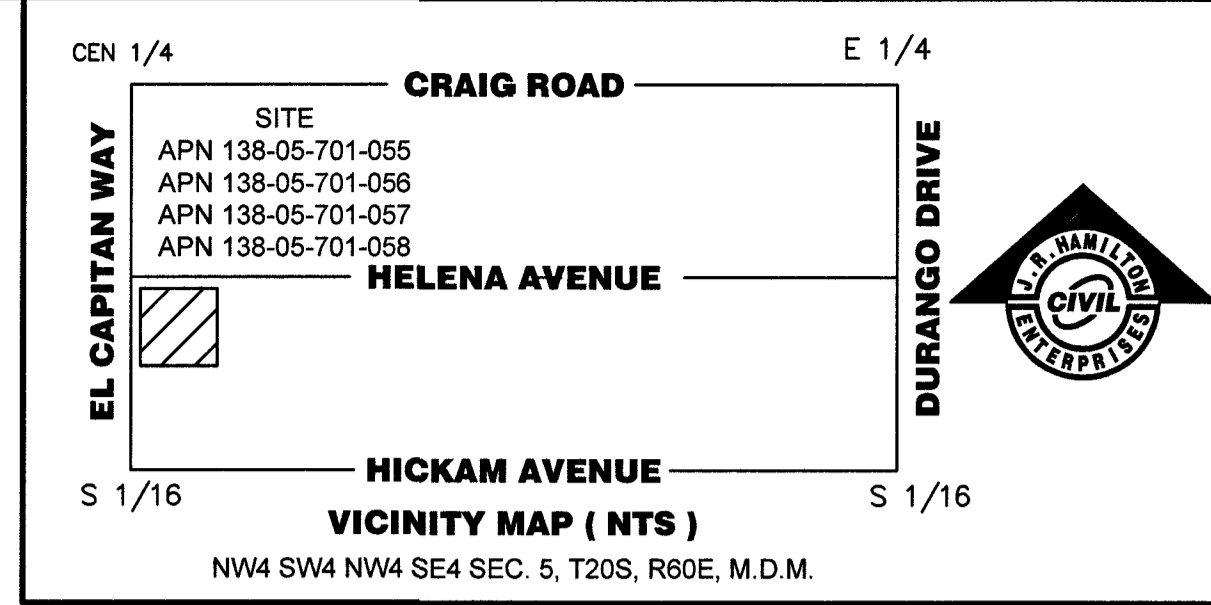
JOHN R. HAMILTON ENTERPRISES, INC.
UTILITY NOTE:
JOHN R. HAMILTON ENTERPRISES, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THIS DRAWING AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

CAUTION TO CONTRACTOR
THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

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

- CITY OF LAS VEGAS - SEWER NOTES (04-15-2010)**
- 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 OF 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.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
 - CHISEL, 3" OR 6" CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
 - POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS. INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
 - ALL MANHOLES PAVED IN STREETS EIGHTY (80) FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80) FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
 - TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
 - WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
 - ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
 - THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
 - INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

- EASEMENT / DEDICATION NOTES:** SYMBOL
- EX. 40 FT PRIVATE STREET AND PUBLIC UTILITY EASEMENT PER PARCEL MAP FILE 121 PAGE 75 TO BE PRIVATELY MAINTAINED
 - EX. 5' PUBLIC UTILITY EASEMENT PER PARCEL MAP FILE 121 PAGE 75 TO BE PRIVATELY MAINTAINED
 - EX. 3'-FT STREETLIGHT, TRAFFIC CONTROL DEVICE EASEMENT GRANTED TO CLARK COUNTY TO BE PUBLICLY MAINTAINED PER PARCEL MAP FILE 121 PAGE 75
- CONSTRUCTION NOTES** SYMBOL
- EX. 8 FT CMU ON TOP OF 3 FT RETAINING WALL PER HTE 16-30687
 - EX. 30-INCH ROLL CURB PER HTE 16-30687
 - EX. PRIVATE STREET AND ASPHALT PER HTE 16-30687
 - EX. 3'X3' WALL "POP-OUT" AREA RESERVED FOR A FUTURE STREETLIGHT PER HTE 16-30687
- WATER NOTES -** WATER CONSTRUCTION NOTE #
- EX. FIRE HYDRANT PER HTE 16-30687, LVWD #124835
 - EX. 6" C900 (CLASS 150) PVC WTR PER HTE 16-30687, LVWD #124835
 - EX. 6" END CAP PER HTE 16-30687, LVWD #124835
 - EX. 8" C900 (CLASS 150) PVC WTR PER HTE 16-30687, LVWD #124835
 - EX. 8"X6" REDUCER PER HTE 16-30687, LVWD #124835
- SEWER CONSTRUCTION NOTES** SEWER NOTE SYMBOL
- INSTALL 48-IN SSMH PER DCSWCS DWG S01A/S0710 WITH SINGLE 24" LD
 - INSTALL 8-IN PVC SEWER PIPE
 - INSTALL 4-IN PVC SEWER LATERAL PER DCSWCS STD DWG S022
 - 8-FT MIN WIDTH TRENCH AND BACKFILL PER UDACS STD PLT 500.3, 500.5, AND 503.
 - TRENCH AND BACKFILL PAVED AREAS PER DCSWCS STD DWG S0-17. NEW ASPHALT TO EXTEND 6-FT BEYOND SANITARY SEWER.
 - PROVIDE 6-INCH WIDE WHITE EDGE ASPHALT LINE.



BENCHMARK
CLARK COUNTY BENCHMARK STATION: 8LV00 5C4
CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN CONCRETE PAD, NORTH SIDE OF CRAIG ROAD +/- 30' WEST OF EL CAPITAN WAY.
ELEVATION=742.448 METERS (NAV'D'88 v.2003)=2435.85 US SURVEY FEET (NAV'D'88 v.2003)

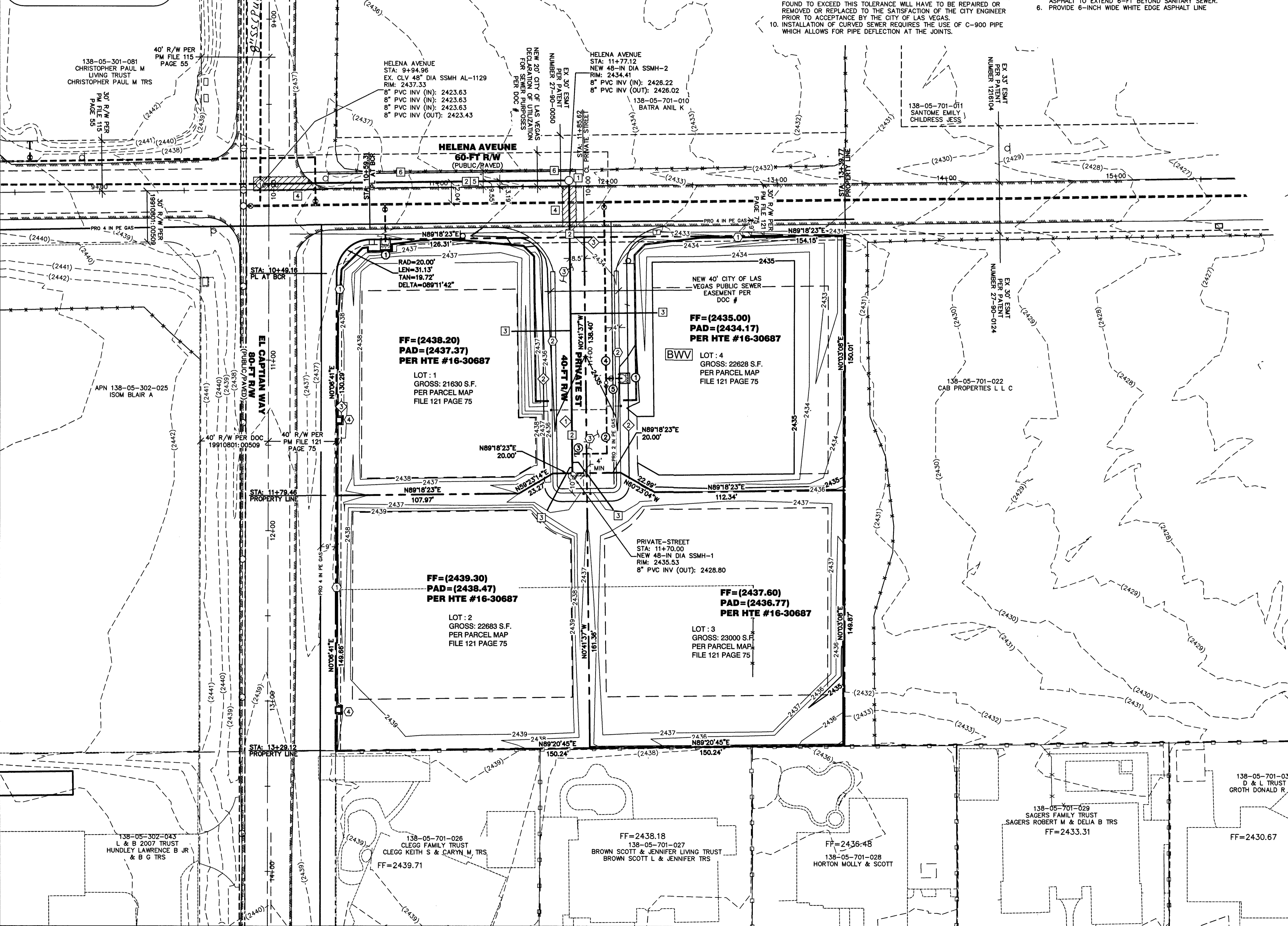
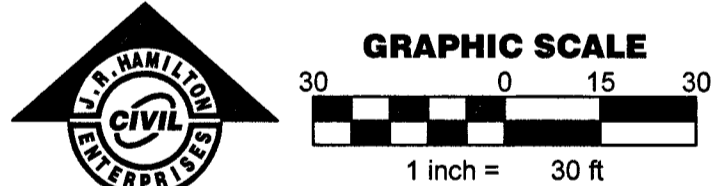
BASIS OF BEARING
NORTH 00°06'41" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 20 SOUTH, RANGE 80 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREON ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 134, PAGE 80 OF SURVEYS.

FLOOD ZONE
FIRM PANEL # 32003C2135F, ZONE "X", MAP REVISED DATED NOVEMBER 16, 2011, WHICH IS DEFINED AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN.

LEGAL DESCRIPTION
LOTS 1, 2, 3, AND 4 IN FILE 121, PAGE 75 OF PARCEL MAPS ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, M.D.M., APN 138-05-701-055, 056, 057, AND 058

LEGEND

EP	EDGE OF PAVEMENT	PP	POWER POLE (C)
CL	CENTERLINE	PROTW	PROTOPANE TANK
PL	PROPERTY LINE	BCR	BACK OF CURB RETURN
R/W	PUBLIC ROAD RIGHT OF WAY	BFE	BASE FLOOD ELEVATION
EXISTING CURB & GUTTER, SIDEWALK		BOB	BASIS OF BEARING
BSL	BUILDING SETBACK LINE	BSL	BUILDING SETBACK
EX. CHAIN LINK FENCE		BSW	BACK OF SIDEWALK
EX. WALL		BSW	BACK WATER VALVE
PROPOSED WALL		CATV	CABLE / TELEVISION
ASPHALT SAWCUT LINE		CB	CABLE BOX
ELEV. EXISTING GRADE		CL	CENTERLINE
ELEV. PROPOSED GRADE		CONC	CONCRETE
TRENCH AND BACKFILL (UNPAVED AREAS)		DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS
EX. CONTOUR		DESC	DESCRIPTION
FINISH CONTOUR		DW	DRIVEWAY
		EB	ELECTRIC BOX
		EG	EDGE OF GRAVEL
		ELEC	ELECTRIC
		ELEV	ELEVATION
		EM	ELECTRIC METER
		EP	EDGE OF PAVEMENT
		ERW	EDGE OF ROAD
		EX	EXISTING
		FF	FINISHED FLOOR
		FG	FINISHED GRADE
		FL	FLOW LINE
		FNCE	FENCE
		FO	FIBER OPTIC
		FS	FINISHED SURFACE
		GB	GRADE BREAK
		GRTE	GRATE
		GW	GUY WIRE
		HC	HANDICAP RAMP
		HP	HIGH POINT
		HYD/TH	FIRE HYDRANT / TANGENCY
		ICV	IRRIGATION CONTROL VALVE
		INV	INVERT
		LF	LINEAR FEET
		LP	LOW POINT
		MAX	MAXIMUM
		MIN	MINIMUM
		NG/CS	NATURAL GRND / GRND SHOT
		POC	POINT OF CONNECTION
		NPC	NEVADA POWER CO. METER
		PP	POWER POLE (C)
		PRV	PRESSURE REDUCING VALVE
		PVC	POLYVINYL CHLORIDE
		RAC	REAR AND ALUMINUM CAP
		RET	RETAINING
		RPC	REBAR AND PLASTIC CAP
		SL	STREET LIGHT
		SNWA	SO. NEVADA WATER AUTHORITY
		SP	SERVICE POLE
		SSCO	SANITARY SEWER CLEANOUT
		SSMH	SANITARY SEWER MANHOLE
		STA	STATION
		SVRZ	SIGHT VISIBILITY RESTRICTION ZONE
		SWR	SEWER
		TB	TELE-BOX
		TBC/TC	TOP BACK OF CURB
		TBSW	TOP BACK OF SIDE WALK
		TELE	TELEPHONE
		TF	TRANSFORMER
		TMH	TOP OF MANHOLE
		TOE	TOE OF SLOPE
		TOP	TOP OF SLOPE
		TR	TELE-RISER
		TRW	TOP OF RETAINING WALL
		TSGN	TRAFFIC SIGN
		TW	TOP OF WALL
		TV	TELE-VAULT
		UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
		UGE	UNDERGROUND ELECTRIC
		CCAUSSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS
		VG	VALLEY GUTTER
		VPC	VERTICAL POINT OF CURVATURE
		WELL CASING	WELL CASING
		WT	WATER TANK
		WTR	WATER
		WM	WATER METER
		WV	WATER VALVE



WATER/SEWER CROSSINGS
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM DRAIN CROSSINGS. WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE)

CLARK COUNTY PRE-DEVELOPMENT MEETING:
A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT THE INSPECTOR AT (702) 455-4610.

L.V.V.W.D. APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 5/3/17 PROJECT NO. 125384
LVWD APPROVED FIRE FLOW N/A GPM AT 20 PSI RESIDUAL.
CIVIL IMPROVEMENT PLANS SHEETS: C1-C5

CLARK COUNTY FIRE DEPARTMENT APPROVED
BY: NOT APPLICABLE DATE:
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS.
FIRE FLOW N/A GPM AT 20 PSI RESIDUAL.

DR HORTON
1081 WHITNEY RANCH DRIVE • HENDERSON • NEVADA • 89014
PH: (702) 635-3600 CONTACT: MICHAEL CUDDY

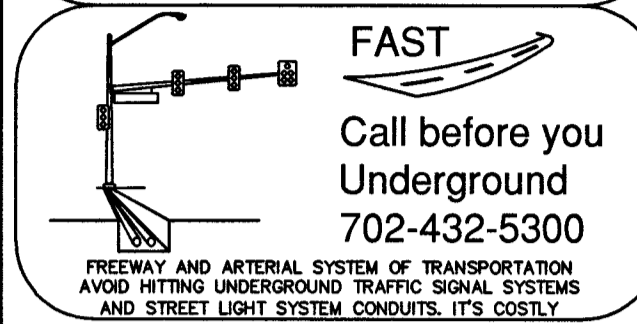
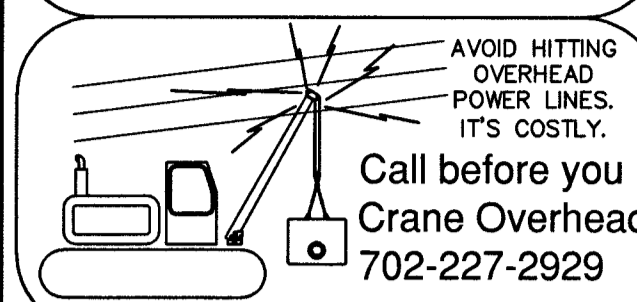
JOHN R. HAMILTON ENTERPRISES, INC.
8945 REBBLE CREEK AVENUE, LAS VEGAS, NEVADA 89147
PH: (702) 580-8686 WWW.JRHAMILTONENTERPRISES.COM

UTILITY PLAN
HELENA AVE / EL CAPITAN WAY
SEWER EASEMENT PLANS
CLARK COUNTY, NEVADA 89129
138-05-701-055, 056, 057, AND 058

SHEET: 3 OF 5 SHEETS
PROJECT NO: 16-200-002
HORIZ: 1" = 30'
VERT: 1" = 4'

CLARK CNTY FIRE: N/A
CNTY TRAFFIC STDY: N/A
CNTY DRAINAGE STDY: N/A
CORDED: N/A
CNTY SOILS REPORT: N/A
CCWWD: N/A
LVWD: 125384
CNTY CIVIL IMP PLANS: 17-9028
CLV HANSEN: 69255

DATE: 5/3/17
BY: [Signature]



WATER/SEWER CROSSINGS
 ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM DRAIN CROSSINGS AND CLEARANCES. WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE).

CLARK COUNTY PRE-DEVELOPMENT MEETING:
 A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT THE INSPECTOR AT (702) 455-4610.

SEWER CONSTRUCTION NOTES [X] SEWER NOTE SYMBOL

- INSTALL 48-IN SSMH PER DCSWCS DWG S01A/S0710 WITH SINGLE 24" LID
- INSTALL 8-IN PVC SEWER PIPE
- INSTALL 4-IN PVC SEWER LATERAL PER DCSWCS STD DWG S022
- 8-FT MIN WIDTH TRENCH AND BACKFILL PER UDACS STD PLT 500.3, 500.5, AND 503
- TRENCH AND BACKFILL PAVED AREAS PER DCSWCS STD DWG S0-17. NEW ASPHALT TO EXTEND 6-FT BEYOND SANITARY SEWER.
- PROVIDE 6-INCH WIDE WHITE EDGE ASPHALT LINE

EASEMENT / DEDICATION NOTES: [◇] SYMBOL

- EX. 40 FT PRIVATE STREET AND PUBLIC UTILITY EASEMENT PER PARCEL MAP FILE 121 PAGE 75 TO BE PRIVATELY MAINTAINED
- EX. 5' PUBLIC UTILITY EASEMENT PER PARCEL MAP FILE 121 PAGE 75 TO BE PRIVATELY MAINTAINED
- EX. 3-FT STREETLIGHT, TRAFFIC CONTROL DEVICE EASEMENT GRANTED TO CLARK COUNTY TO BE PUBLICLY MAINTAINED PER PARCEL MAP FILE 121 PAGE 75

CONSTRUCTION NOTES [X] SYMBOL

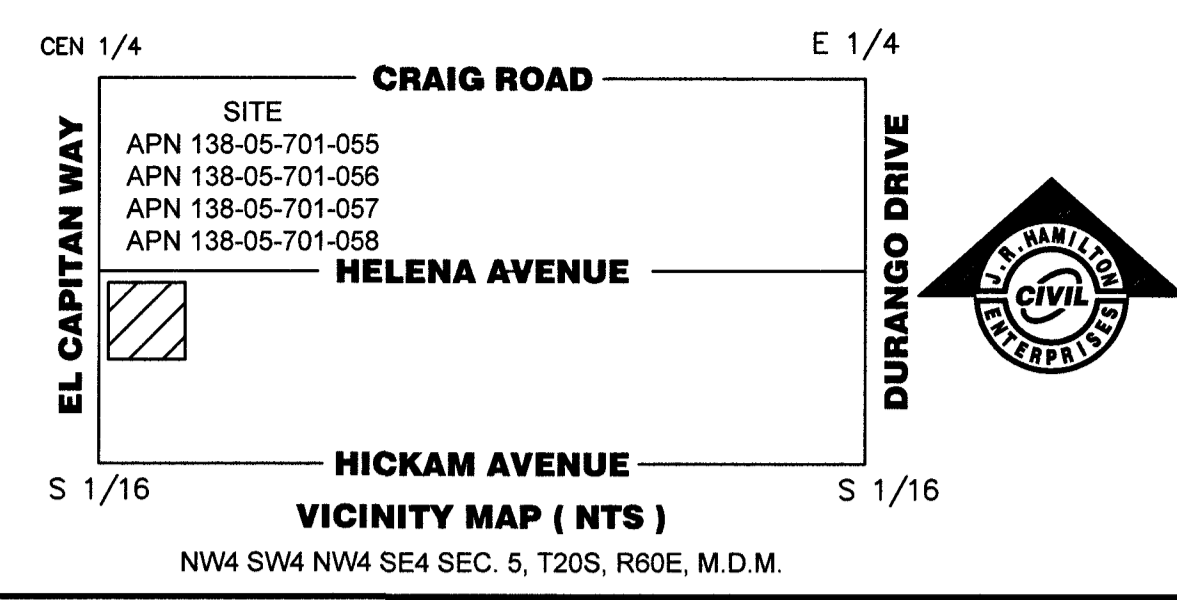
- EX. 6 FT CMU ON TOP OF 3 FT RETAINING WALL PER HTE 16-30687
- EX. 30-INCH ROLL CURB PER HTE 16-30687
- EX. PRIVATE STREET AND ASPHALT PER HTE 16-30687
- EX. 3'X3' WALL "POP-OUT" AREA RESERVED FOR A FUTURE STREETLIGHT PER HTE 16-30687

FINAL MAP DISCLOSURE
REFER TO RESIDENTIAL SUBDIVISION FINAL MAP
 THIS IS NOT A PROPERTY SURVEY. THIS PLAN IS INTENDED TO BE USED FOR LAYOUT AND GRADING PURPOSES ONLY. LOT LINE DIMENSIONS MAY DIFFER FROM THOSE SHOWN HEREON TO THAT OF THE OFFICIAL RESIDENTIAL SUBDIVISION FINAL MAP.

JOHN R. HAMILTON ENTERPRISES, INC.
UTILITY NOTE:
 JOHN R. HAMILTON ENTERPRISES, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THIS DRAWING AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

CAUTION TO CONTRACTOR
 THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

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



BENCHMARK
 CLARK COUNTY BENCHMARK STATION: BLV00 5C4
 CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN CONCRETE PAD, NORTH SIDE OF CRAIG ROAD + 2.30' WEST OF EL CAPITAN WAY.
 ELEVATION=742.448 METERS (NAV'D'88 v.2003)=2435.85 US SURVEY FEET (NAV'D'88 v.2003)

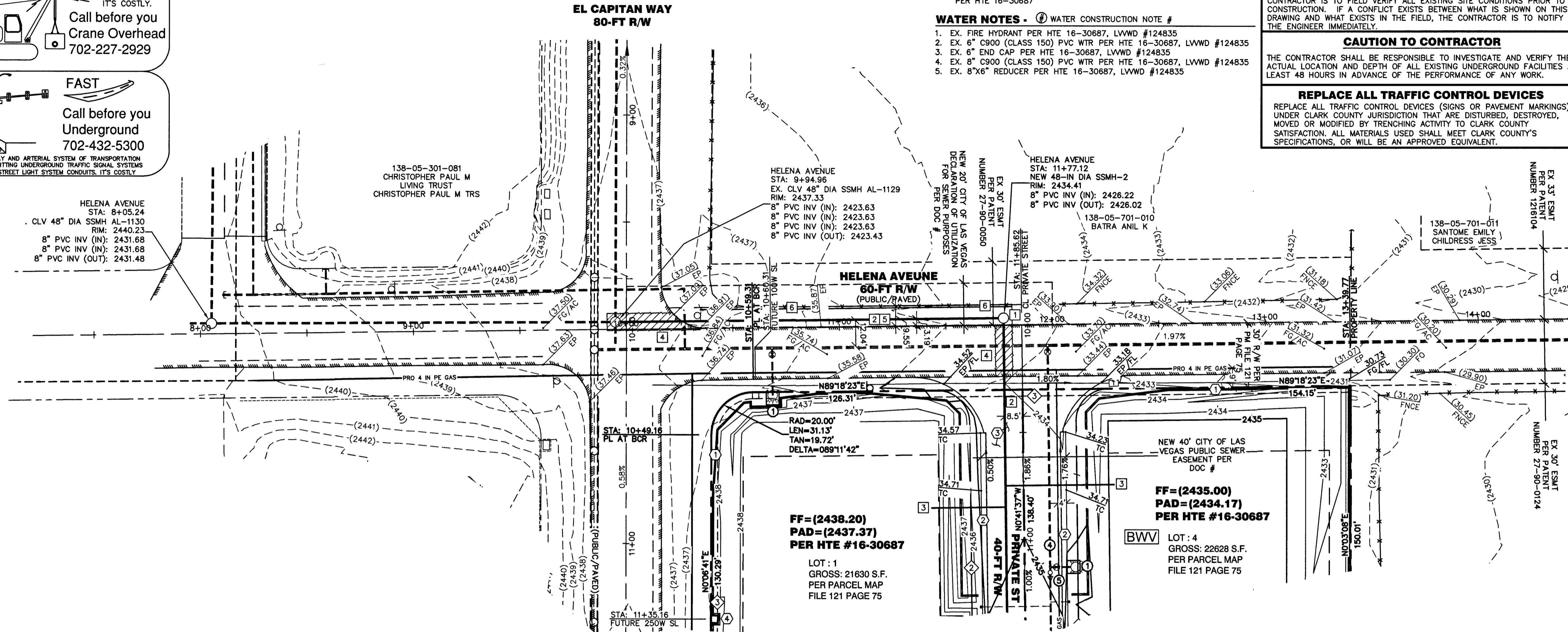
BASIS OF BEARING
 NORTH 00°06'41" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHWEST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 134, PAGE 80 OF SURVEYS.

FLOOD ZONE
 FIRM PANEL # 32003C2135F, ZONE "X", MAP REVISED DATED NOVEMBER 16, 2011, WHICH IS DEFINED AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN.

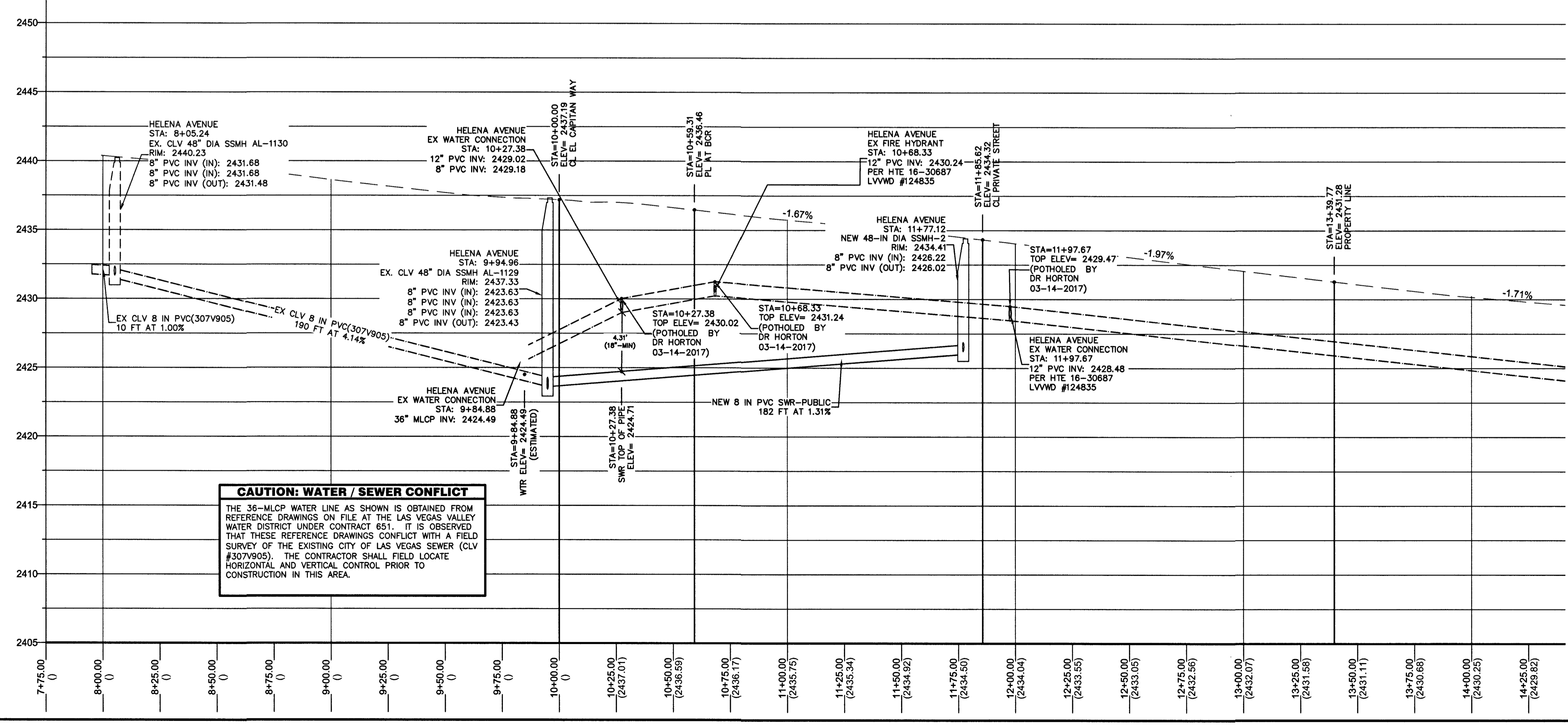
LEGAL DESCRIPTION
 LOTS 1, 2, 3 AND 4 IN FILE 121, PAGE 75 OF PARCEL MAPS ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, M.D.M.
 APN 138-05-701-055, 056, 057, AND 058

LEGEND

EP	EDGE OF PAVEMENT	PP	POWER POLE (CL)
CL	CENTERLINE	PT	PROPANE TANK
PL	PROPERTY LINE	PRV	PRESSURE REDUCING VALVE
R/W	PUBLIC ROAD RIGHT OF WAY	PVC	POLYVINYL CHLORIDE
EXISTING CURB & GUTTER, SIDEWALK		RAC	REBAR AND ALUMINUM CAP
BSL	BUILDING SETBACK LINE	RET	RETAINING
EX. CHAIN LINK FENCE		RPC	REBAR AND PLASTIC CAP
EX. WALL		SL	STREET LIGHT
PROPOSED WALL		SNW	NO. NEVADA WATER AUTHORITY
ASPHALT SAWCUT LINE		SP	SERVICE POLE
ELEV. EXISTING GRADE		SSCO	SANITARY SEWER CLEANOUT
ELEV. PROPOSED GRADE		SSMWS	SANITARY SEWER MANHOLE
NEW ASPHALT		STA	STATION
TRENCH AND BACKFILL (UNPAVED AREAS)		SVRZ	SIGHT VISIBILITY RESTRICTION ZONE
EX. CONTOUR		SWR	SEWER
FINISH CONTOUR		TB	TELE-BOX
		TBC/TC	TOP BACK OF CURB
		TBSW	TOP BACK OF SIDE WALK
		TELE	TELEPHONE
		TF	TRANSFORMER
		TMH	TOP OF MANHOLE
		TOE	TOE OF SLOPE
		TOP	TOP OF SLOPE
		TR	TELE-RISER
		TRW	TOP OF RETAINING WALL
		TSN	TRAFFIC SIGN
		TW	TOP OF WALL
		TV	TELE-VAULT
		UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
		UGE	UNDERGROUND UTILITY
		CCAUSS	CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS
		VG	VALLEY GUTTER
		VPC	VERTICAL POINT OF CURVATURE
		VPT	VERTICAL POINT OF TANGENCY
		WC	WELL CASING
		WT	WATER TANK
		WTR	WATER
		WM	WATER METER
		WV	WATER VALVE
		MAX	MAXIMUM
		MIN	MINIMUM
		NG/GS	NATURAL GRND / GRND SHOT
		POC	POINT OF CONNECTION
		NPC	NEVADA POWER CO. METER



HELENA AVENUE 60 FT R/W PLAN & PROFILE - HORIZ: 1"=30' VERTICAL: 1"=5'



CLARK COUNTY DEPT OF PUBLIC WORKS
DEVELOPMENT REVIEW
 ACCEPTANCE OF PLANS FOR FILING BY

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CLARK COUNTY.

L.V.V.W.D. APPROVED FOR CONSTRUCTION

H. Disuani
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE: 5/3/17 PROJECT NO. 125384
 LVWD APPROVED FIRE FLOW N/A GPM AT 20 PSI RESIDUAL
 CIVIL IMPROVEMENT PLANS SHEETS: C1-C5

CLARK CNTY FIRE N/A
 CNTY TRAFFIC STDY N/A
 CNTY DRAINAGE STDY N/A
 CORFCD N/A
 CNTY SOILS REPORT N/A
 CCWRD N/A
 LVWD 125384
 CNTY CIVIL IMP PLANS 17-9028
 CLV HANSEN 69255

PAGE: **C4** OF 5 SHEETS
 H#69255 307V1125

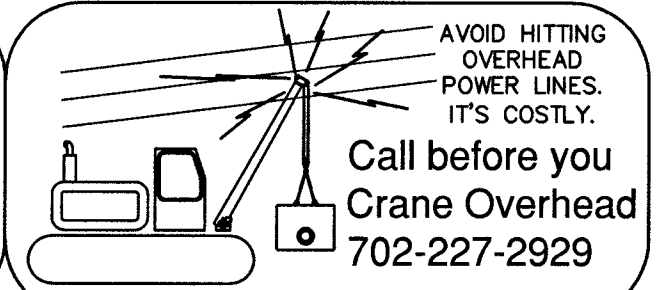
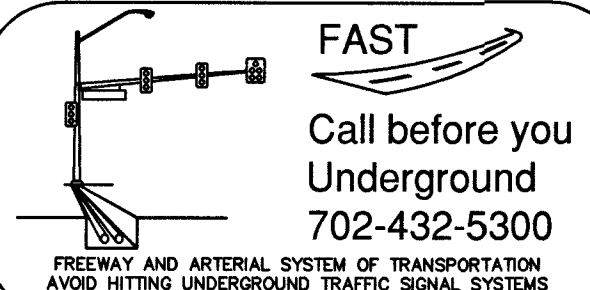
DR HORTON
 1081 WHITNEY RANCH DRIVE • HENDERSON • NEVADA • 89014
 PH: (702) 635-3600 CONTACT: MICHAEL CUDDY

JOHN R. HAMILTON ENTERPRISES, INC.
 3945 PEBBLE CREEK AVENUE, LAS VEGAS, NEVADA 89147
 PH: (702) 980-5666 WWW.JRHAMILTONENTERPRISES.COM

HELENA AVENUE PLAN & PROFILE
 HELENA AVE / EL CAPITAN WAY
 SEWER EXTENSION PLANS
 CLARK COUNTY, NEVADA 89129
 138-05-701-055, 056, 057, AND 058

SHEET PROJECT NO. 16-200-002 HORIZ: 30 VERT: 5

DATE: 5/3/17



FINAL MAP DISCLOSURE
REFER TO RESIDENTIAL SUBDIVISION FINAL MAP
 THIS IS NOT A PROPERTY SURVEY. THIS PLAN IS INTENDED TO BE USED FOR LAYOUT AND GRADING PURPOSES ONLY. LOT LINE DIMENSIONS MAY DIFFER FROM THOSE SHOWN HEREON TO THAT OF THE OFFICIAL RESIDENTIAL SUBDIVISION FINAL MAP.

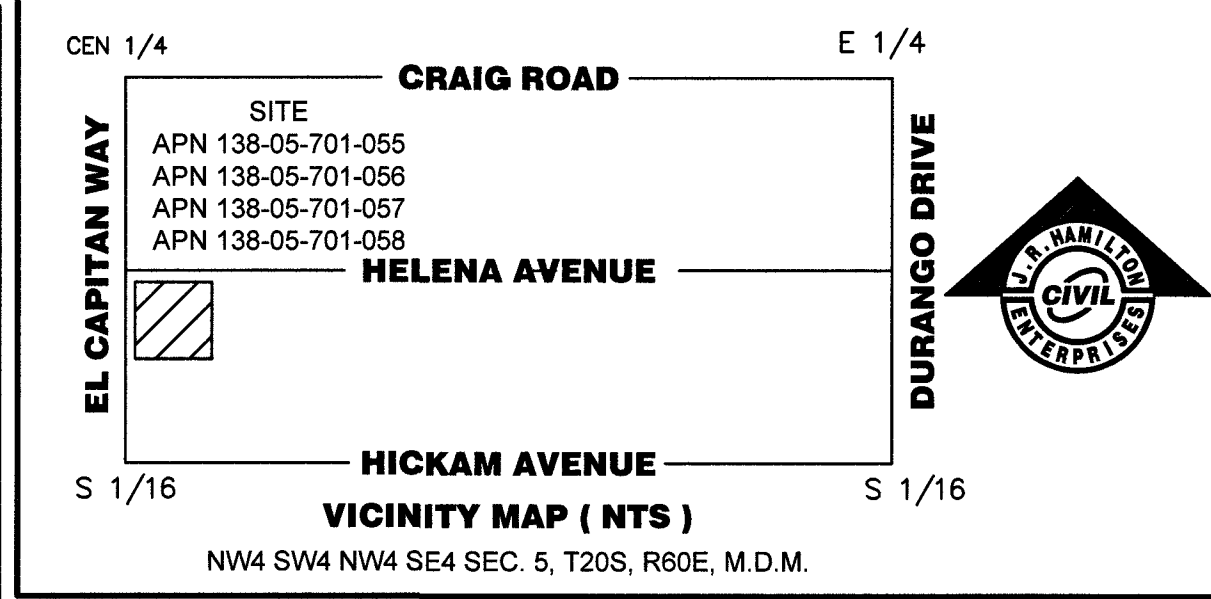
JOHN R. HAMILTON ENTERPRISES, INC.
UTILITY NOTE:
 JOHN R. HAMILTON ENTERPRISES, INC. ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THIS DRAWING AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

CAUTION TO CONTRACTOR
 THE CONTRACTOR SHALL BE RESPONSIBLE TO INVESTIGATE AND VERIFY THE ACTUAL LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND FACILITIES AT LEAST 48 HOURS IN ADVANCE OF THE PERFORMANCE OF ANY WORK.

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

WATER/SEWER CROSSINGS
 ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM DRAIN CROSSINGS AND CLEARANCES. WATER AND SEWER SERVICE LATERALS SHALL BE INSTALLED A MINIMUM OF FORTY-EIGHT (48) INCHES APART IN SEPARATE TRENCHES. WATER LATERALS SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE SEWER LATERAL (REF. UNIFORM PLUMBING CODE).

CLARK COUNTY PRE-DEVELOPMENT MEETING:
 A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT THE INSPECTOR AT (702) 455-4610.

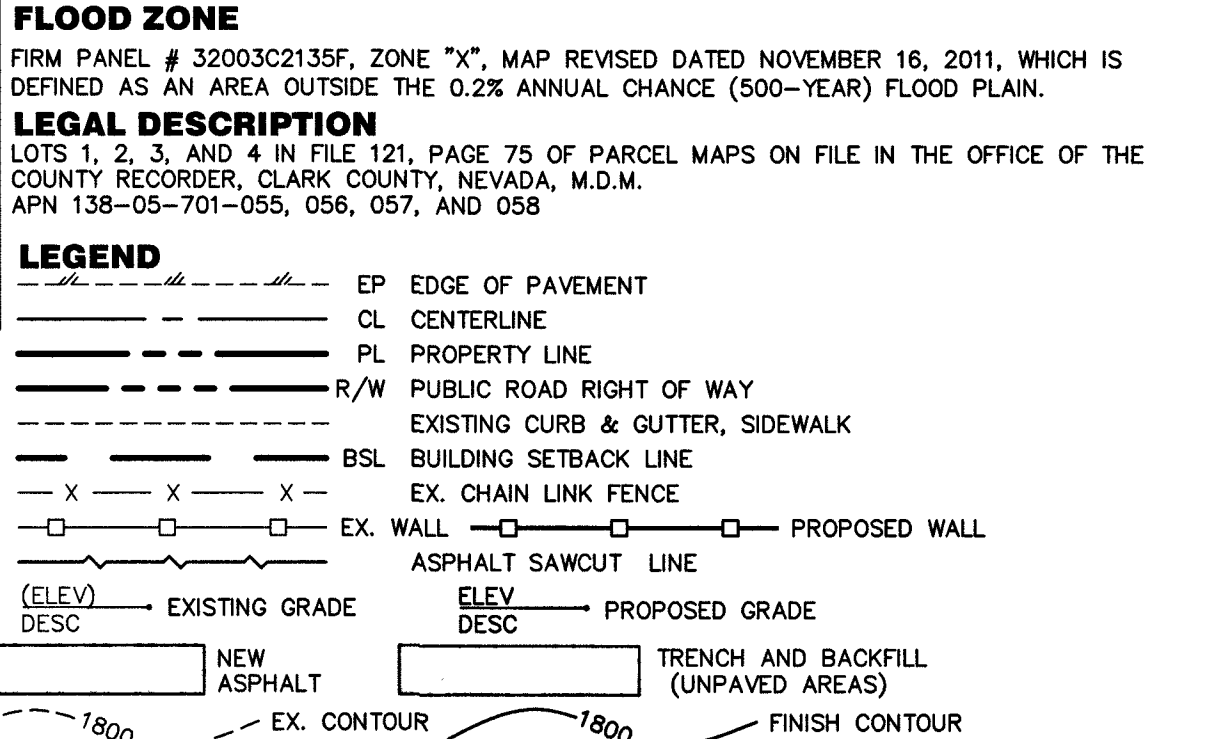


BENCHMARK
 CLARK COUNTY BENCHMARK STATION: 8LV00 SCA
 CITY OF LAS VEGAS RIVET AND ALUMINUM PLATE IN CONCRETE PAD, NORTH SIDE OF CRAIG ROAD +/- 30' WEST OF EL CAPITAN WAY.
 ELEVATION=742.448 METERS (NAV'D88 v.2003)=2435.85 US SURVEY FEET (NAV'D88 v.2003)

BASIS OF BEARING
 NORTH 00°06'41" EAST, BEING THE BEARING OF THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 20 SOUTH, RANGE 80 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE IN FILE 134, PAGE 80 OF SURVEYS.

FLOOD ZONE
 FIRM PANEL # 32003C2135F, ZONE "X", MAP REVISED DATED NOVEMBER 16, 2011, WHICH IS DEFINED AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAN.

LEGAL DESCRIPTION
 LOTS 1, 2, 3 AND 4 IN FILE 121, PAGE 75 OF PARCEL MAPS ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, M.D.M.
 APN 138-05-701-055, 056, 057, AND 058



AC	ASPHALTIC CONCRETE	PP	POWER POLE (C)
APN	ASSESSOR PARCEL NUMBER	PROTK	PROPANE TANK
BC	BRASS CAP	PRV	PRESSURE REDUCING VALVE
BCR	BACK OF CURB RETURN	PVC	POLYVINYL CHLORIDE
BFE	BASE FLOOD ELEVATION	RAB	REBAR AND ALUMINUM CAP
BOB	BASIS OF BEARING	RET	RETAINING
BSL	BUILDING SETBACK	RPC	REBAR AND PLASTIC CAP
BSW	BACK OF SIDEWALK	SL	STREET LIGHT
BWV	BACK WATER VALVE	SNWA	SO. NEVADA WATER AUTHORITY
CATV	CABLE / TELEVISION	SP	SERVICE POLE
CB	CABLE BOX	SSCO	SANITARY SEWER CLEANOUT
CL	CENTERLINE	SMH	SANITARY SEWER MANHOLE
CONC	CONCRETE	STA	STATION
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS	SVRZ	SIGHT VISIBILITY RESTRICTION ZONE
DESC	DESCRIPTION	SWR	SEWER
DW	DRIVEWAY	TB	TELE-BOX
EB	ELECTRIC BOX	TBC/TC	TOP BACK OF CURB
EG	EDGE OF GRAVEL	TBSW	TOP BACK OF SIDE WALK
ELEC	ELECTRIC	TOE	TOE OF SLOPE
ELEV	ELEVATION	TR	TRAILER
EM	ELECTRIC METER	TRW	TOP OF RETAINING WALL
EP	EDGE OF PAVEMENT	TRF	TRAILER-FRISKER
ER	EDGE OF ROAD	TSN	TRAFFIC SIGN
EX	EXISTING	TSGN	TRAFFIC SIGN
FF	FINISHED FLOOR	TW	TOP OF WALL
FG	FINISHED GRADE	TV	TELE-VAULT
FL	FLOW LINE	UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS
FNCE	FENCE	UG	UNDERGROUND ELECTRIC
FO	FIBER OPTIC	CCAUSD	CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS
FS	FINISHED SURFACE	UGE	UNDERGROUND ELECTRIC
GB	GRADE BREAK	VC	VERTICAL CURVATURE
GRTE	GRATE	VPT	VERTICAL POINT OF TANGENCY
GW	GLY WIRE	WC	WELL CASING
HC	HANDICAP RAMP	WT	WATER TANK
HP	HIGH POINT	WTR	WATER
HYD/TH	FIRE HYDRANT	WTR METER	WATER METER
ICV	IRRIGATION CONTROL VALVE	WV	WATER VALVE
INV	INVERT		
LF	LINEAR FEET		
LP	LOW POINT		
MAX	MAXIMUM		
MIN	MINIMUM		
NG/GS	NATURAL GRND / GRND SHOT		
POC	POINT OF CONNECTION		
NPC	NEVADA POWER CO. METER		

EASEMENT / DEDICATION NOTES: (DIAMOND) SYMBOL

- EX. 40 FT PRIVATE STREET AND PUBLIC UTILITY EASEMENT PER PARCEL MAP FILE 121 PAGE 75 TO BE PRIVATELY MAINTAINED
- EX. 5' PUBLIC UTILITY EASEMENT PER PARCEL MAP FILE 121 PAGE 75 TO BE PRIVATELY MAINTAINED
- EX. 3'-FT STREETLIGHT, TRAFFIC CONTROL DEVICE EASEMENT GRANTED TO CLARK COUNTY TO BE PUBLICLY MAINTAINED PER PARCEL MAP FILE 121 PAGE 75

CONSTRUCTION NOTES: (X) SYMBOL

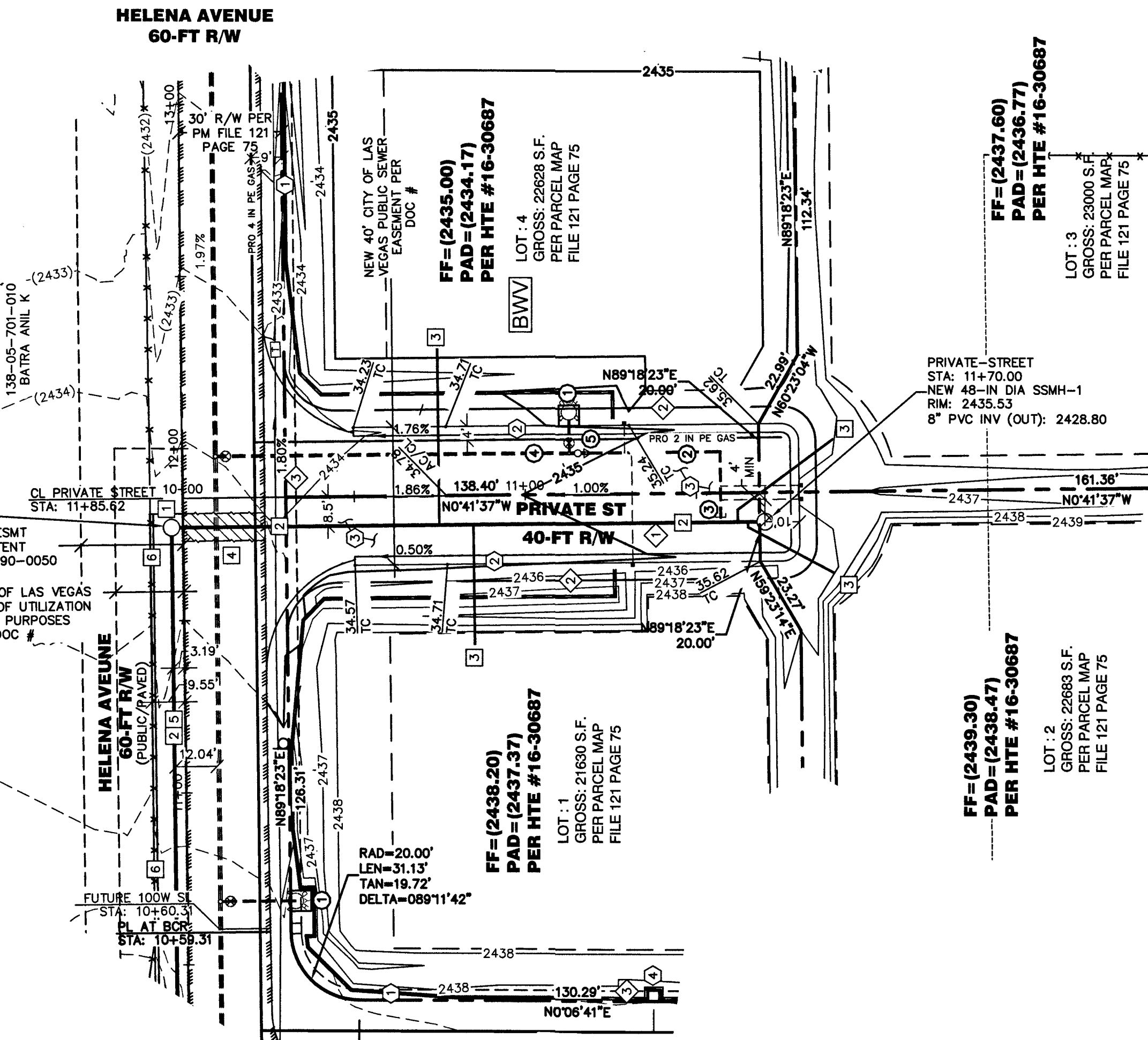
- EX. 6 FT CMU ON TOP OF 3 FT RETAINING WALL PER HTE 16-30687
- EX. 30-INCH ROLL CURB PER HTE 16-30687
- EX. PRIVATE STREET AND ASPHALT PER HTE 16-30687
- EX. 3'X3' WALL "POP-OUT" AREA RESERVED FOR A FUTURE STREETLIGHT PER HTE 16-30687

WATER NOTES: (W) WATER CONSTRUCTION NOTE #

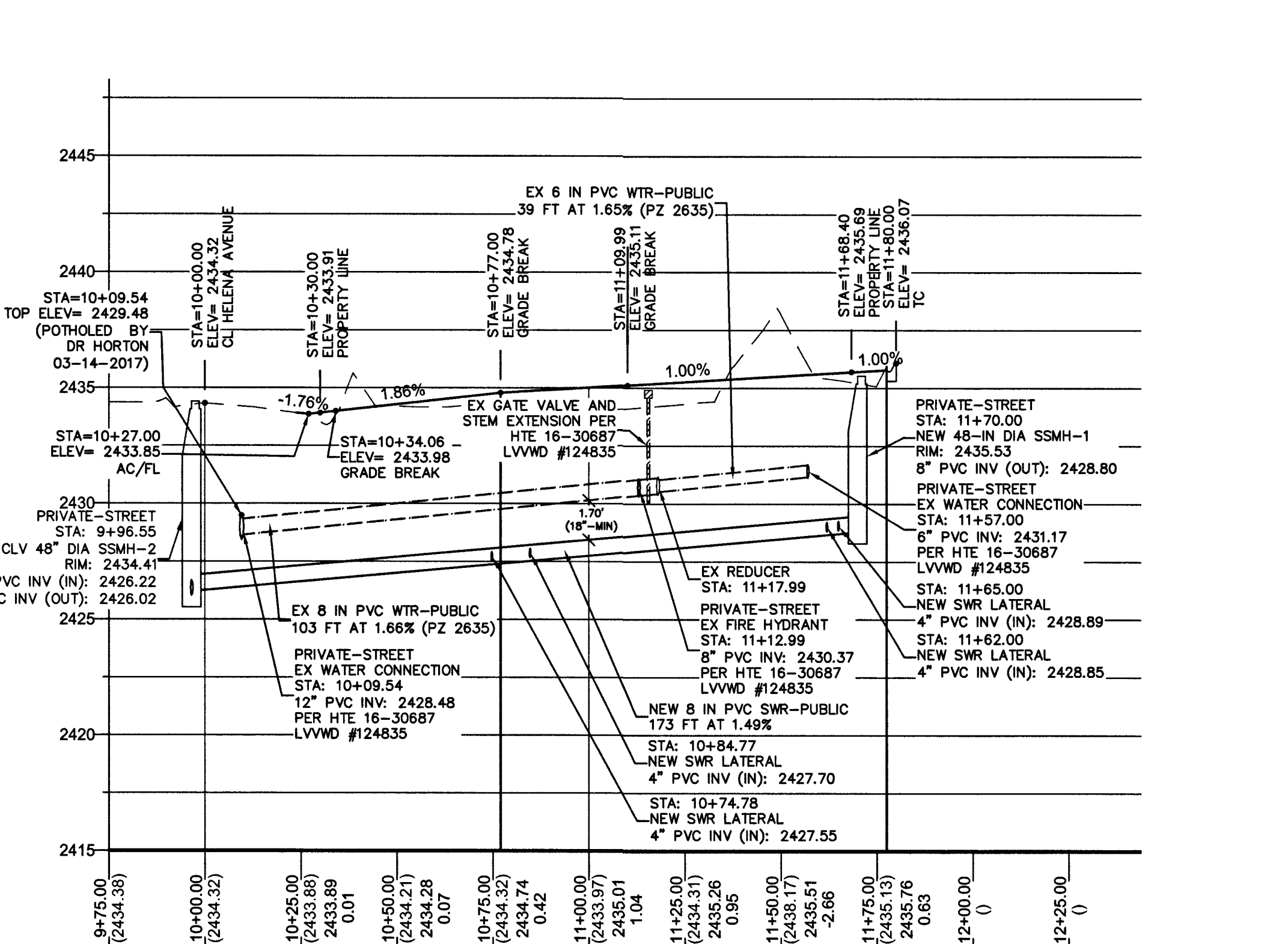
- EX. FIRE HYDRANT PER HTE 16-30687, LVWD #124835
- EX. 6" C900 (CLASS 150) PVC WTR PER HTE 16-30687, LVWD #124835
- EX. 6" END CAP PER HTE 16-30687, LVWD #124835
- EX. 8" C900 (CLASS 150) PVC WTR PER HTE 16-30687, LVWD #124835
- EX. 8"X6" REDUCER PER HTE 16-30687, LVWD #124835

SEWER CONSTRUCTION NOTES: (S) SEWER NOTE SYMBOL

- INSTALL 48-IN SSMH PER DCSWCS DWG SD1A/SD710 WITH SINGLE 24" LD
- INSTALL 8-IN PVC SEWER PIPE
- INSTALL 4-IN PVC SEWER LATERAL PER DCSWCS STD DWG SD22
- 8'-FT MIN WIDTH TRENCH AND BACKFILL PER UDACS STD DPL 500.3, 500.5, AND 503.
- TRENCH AND BACKFILL PAVED AREAS PER DCSWCS STD DWG SD-17. NEW ASPHALT TO EXTEND 6'-FT BEYOND SANITARY SEWER.
- PROVIDE 6-INCH WIDE WHITE EDGE ASPHALT LINE



PRIVATE STREET - 40 FT R/W PLAN & PROFILE
HORIZ: 1"=30' VERTICAL: 1"=5'



CLARK COUNTY DEPT OF PUBLIC WORKS
DEVELOPMENT REVIEW
 ACCEPTANCE OF PLANS FOR FILING BY

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CLARK COUNTY.

L.V.W.D. APPROVED FOR CONSTRUCTION
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE: 5/3/17 PROJECT NO. 125384
 LVWD APPROVED FIRE FLOW N/A GPM AT 20 PSI RESIDUAL
 CIVIL IMPROVEMENT PLANS SHEETS: C1-C5

DR HORTON
 1081 WHITNEY RANCH DRIVE • HENDERSON • NEVADA • 89014
 PH: (702) 695-3600 CONTACT: MICHAEL CUDDY

JOHN R. HAMILTON ENTERPRISES, INC.
 3945 PEBBLE CREEK AVENUE LAS VEGAS, NEVADA 89147
 PH: (702) 580-3658 WWW.JRHAMILTONENTERPRISES.COM

PRIVATE STREET PLAN & PROFILE - NORTH
 HELENA AVE / EL CAPITAN WAY
 SEWER EXTENSION PLANS
 CLARK COUNTY, NEVADA 89129
 138-05-701-055, 056, 057, AND 058

SHEET: PROJECT NO. 16-200-002
 HORIZ: 30 VERT: 5

CLARK CNTY FIRE N/A
 CNTY TRAFFIC STDY N/A
 CNTY DRAINAGE STDY N/A
 CORFCD N/A
 CNTY SOLS REPORT N/A
 COWRD N/A
 LVWD 125384
 CNTY CIVIL MP PLANS 17-9028
 CLV HANSEN 69255

PAGE: **C5**
 5 OF 5 SHEETS

H#69255 307V1125