

LEGEND:

- CENTERLINE
- EXIST. IMPROVEMENT
- EXIST. CONTOUR
- NEW IMPROVEMENT
- NEW CONTOUR
- RIGHT-OF-WAY
- SCREEN WALL
- "L" TYPE CURB & GUTTER
- "A" TYPE CURB
- GRADE

ABBREVIATIONS:

- AC ASPHALT CEMENT
- CL CENTERLINE
- E EAST
- EXIST EXISTING
- FFE FINISH FLOOR ELEVATION
- FL FLOW LINE
- E EAST
- N NORTH
- PVMT PAVEMENT
- R/W RIGHT-OF-WAY
- S SOUTH / SLOPE
- TC TOP OF CONCRETE / CURB
- T TELEPHONE
- TYP TYPICAL
- W WATER LINE / WEST

BASIS OF BEARINGS:

THE SOUTHWEST CORNER OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., BEING THE CENTERLINE OF SEARLES AVENUE, BEARS PER BOOK 27, PAGE 2, OF PLATS, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA

BENCHMARK:

CLV BM#2LV0125NWN6  
R&P AT THE SE CORNER OF EASTERN AVE. & SEARLES AVE.  
ELEVATION = 1839.22

SEARLES AVE CONSTRUCTION NOTE:

OFFSITE IMPROVEMENTS WITHIN SEARLES AVE RIGHT-OF-WAY PLACED UNDER SAWTOOTH STREET IMPROVEMENTS - PHASE 4, S.I.D. #1446 (SEE SEARLES AVE - E/O EASTERN AVENUE, STREET PLAN - DRAWING NO. 107-V2209)

LAS VEGAS VALLEY WATER DISTRICT NOTES:

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER COMMUNICATION SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION.
- ALL WORK SHALL CONFORM TO THE LVVWD'S STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
  - A MINIMUM EIGHTEEN (18 INCHES) VERTICAL SEPARATION (OUTSIDE TO OUTSIDE MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:
    - a. POTABLE WATER SUPPLY QUALITY MATERIAL
    - b. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
    - c. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE

WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.

ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.

THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FORM LVVWD CENTRAL STORES. TELEPHONE 258-3152 FOURTY-EIGHT (48) HOURS PRIOR TO PICKUP.

CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL

ALL WATER FACILITY CONSTRUCTION MATERIAL USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

CITY OF LAS VEGAS FIRE DEPT. NOTES (CONTINUED):

- A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT. THE PERMIT AND CONTRACTORS MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
- A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
- ALL ON-SITE FIRE MAIN MATERIALS MUST BE UL LISTED AND A.W.W.A. APPROVED.
- FIRE HYDRANT SPACING  
RESIDENTIAL - 500 FEET UNSPRINKLERED, 600 FEET SPRINKLERED  
COMMERCIAL, INCLUDING MULTI-FAMILY - 300 FEET UNSPRINKLERED, 400 FEET SPRINKLERED.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
- NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
- NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
- THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
- A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS IN UFC 91, SECTION 10.203).
- ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE IN EXCESS OR 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA, SEE ORDINANCE # 3677.
- ELECTRICALLY CONTROLLED ACCESS GATE SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES:

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", HYDRANT INSTALLATION SPECIFICATIONS AND ORDANCES # 3677.
- AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
  - A. KENNEDY GUARDIAN
  - B. MUELLER A-423 CENTURIAN
  - C. CLOW MODEL 2546 MEDALLION
- ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH ADEQUATE WATER SUPPLY.
- CONTRACTOR SHALL PLACE A BULE REFLECTIVE MARKER AT CENTER-LINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE # 3677 TO IDENTIFY FIRE HYDRANTS LOCATION.
- CALL THE LAS VEGAS BUILDING DEPARTMENT AT 229-2071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING
- PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE # 3677 SHALL BE COMPLETED BEFORE APPROVAL OF THE CITY OF LAS VEGAS FIRE DEPARTMENT.

ESTIMATED QUANTITIES (PUBLIC R/W)

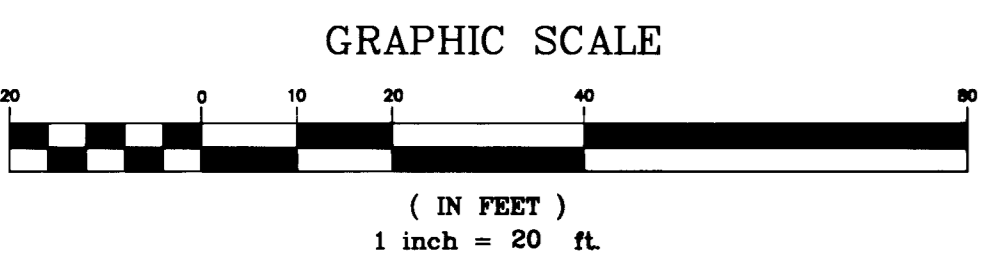
39 LF 8" SANITARY SEWER  
19 LF WATER SERVICE

SEE CONSTRUCTION ITEMS (DWG 1)

NO DEVIATION FROM STANDARDS

CURVE DATA:

CURVE	RADIUS	LENGTH	TANGENT	DELTA
C1	25.00'	39.27'	25.00'	90°00'00"
C2	4.00'	6.28'	4.00'	89°58'54"
C3	4.00'	6.28'	4.00'	90°00'00"
C4	15.00'	47.12'	-	180°00'00"
C5	24.50'	38.48'	24.50'	90°00'00"
C6	14.50'	22.78'	14.50'	90°00'00"

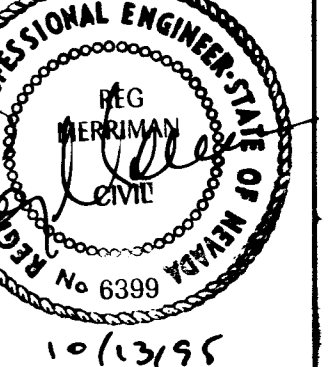


REVISIONS:

NO.	DATE	DESCRIPTION

EASTERN AVE - AUTO SWAP MEET GRADING PLAN

REG MERRIMAN  
11599 SW 134TH PL  
TIGARD, OR 97223  
(503) 579-7806



DESIGNED: *[Signature]*  
CHECKED:  
DATE:  
JOB #/FILE:

SHEET:  
**C2**  
2 OF 2 SHEETS

