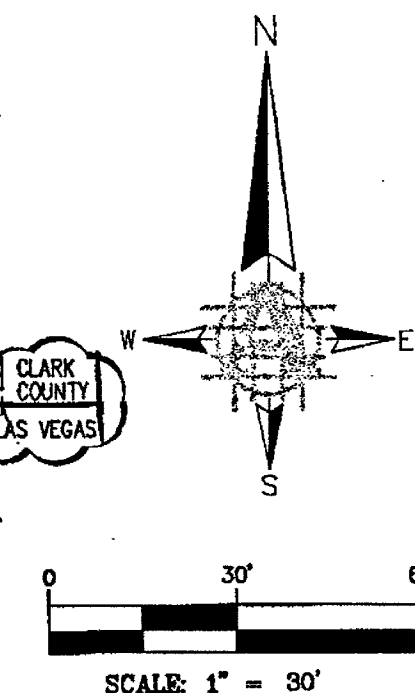
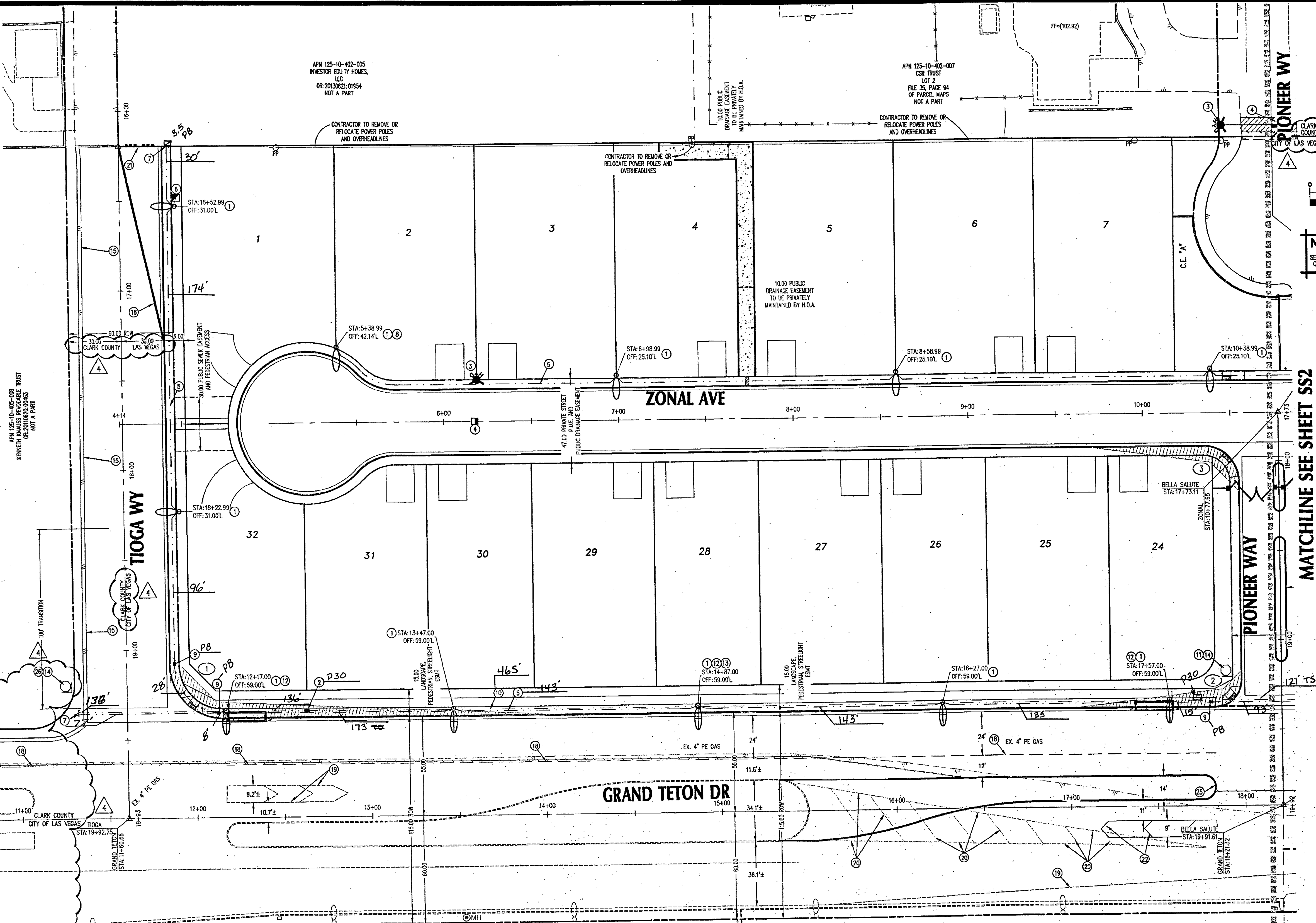


**KEY MAP**

**LEGEND**

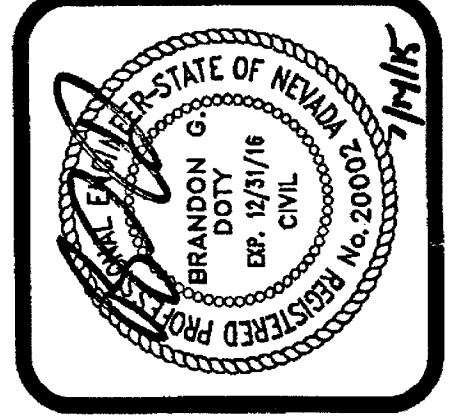
- PROP. UNDERGROUND STREET LIGHT CONDUIT.
- PRIVATE STREET ESMT.
- R.O.W.
- PROPOSED 100W HPS SINGLE STREETLIGHT ASSEMBLY PER USD 314 OR 316.
- PROPOSED SERVICE PEDESTAL.
- PROPOSED PULLBOX PER USD 326.
- BLUE REFLECTOR
- STREET NAME SIGN
- R1-1 "STOP SIGN" WITH D3's
- TRAFFIC SIGN
- MATCHLINE
- SIGHT VISIBILITY ZONE
- R1-1 "STOP SIGN"
- R2-1 "SPEED LIMIT SIGN"
- R7-31A "NO PARKING ANY TIME SIGN"
- Street Name **D3 "STREET NAME SIGN"**  
PRIVATE STREET NAME STDS. CLV

**NOTE:**  
ADVANTAGE CIVIL DESIGN GROUP ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY BOTH THE HORIZONTAL AND VERTICAL LOCATION OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.



**NOTE:**  
SEE SHEETS WSI FOR TOTAL PROJECT QUANTITIES AND GENERAL NOTES.

**ADVANTAGE CIVIL DESIGN GROUP, LLP**  
2970 N. GREEN VALLEY PKWY, SUITE 100  
CLARK COUNTY, NEVADA 89004  
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PLANNING  
CIVIL ENGINEERING



**STREETLIGHT & SIGNAGE PLAN 1**  
**VERONA ESTATES**  
**RICHMOND AMERICAN HOMES OF NV**  
*RP Wedde ll*

NO.	DATE	REVISION
1	8/7/15	ADDED JURISDICTION DELINEATIONS DUE TO CLARK COUNTY REQUIREMENTS. ADDED EXISTING UTILITIES AND REUSE SWICUT DUE TO CLARK COUNTY REQUIREMENTS.
2	8/7/15	ADDED SERVICE PEDESTAL AND CIRCUIT CAPACITY CALCULATIONS.

JOB NUMBER: 63-001  
DRAWN BY: MK  
CHECKED BY: BGD  
DESIGNED BY: JRM  
DATE: 8/20/14

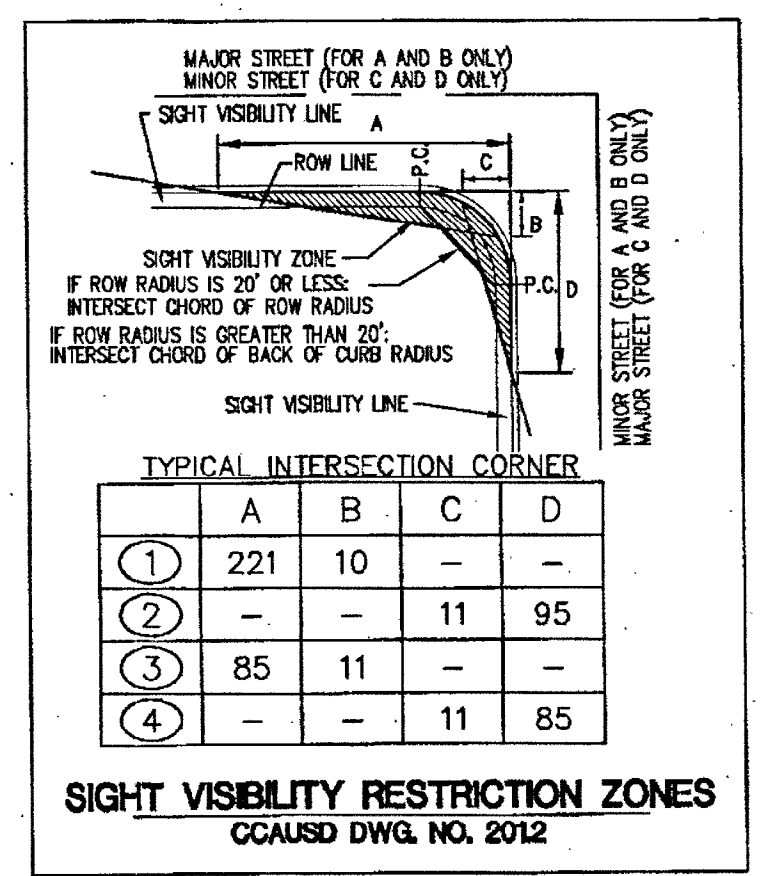
SS1 19 25

**NOTE:** 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.

**FAST**  
Call before you Dig  
Call before you UnderGround  
1-702-432-5300  
1-800-227-2600

**BASIS OF BEARINGS**  
NORTH 84°40'02" EAST BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 10, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDS.

**BENCHMARK**  
BENCHMARK STATION: 8L900 10SSWS  
CITY OF LAS VEGAS RIVET AND PLATE IN CONCRETE CYLINDER, AT THE NORTHWEST CORNER OF GRAND TETON DRIVE AND PIONEER WAY.  
ELEVATION=730.741 METERS (NAVD'88)  
ELEVATION=2397.44 U.S. SURVEY FEET (NAVD-88)



**SIGHT VISIBILITY NOTE:**  
NO WALLS, FENCES, TREES, SHRUBS UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES AND STREET LIGHT POLES, MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24 INCHES IN HEIGHT, MEASURED FROM TOP OF CURB, OR WHERE NO CURB EXISTING, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE.

**GENERAL NOTES**

- SEE PARCEL MAP FOR EXACT BEARINGS AND DISTANCES.
- CONTRACTORS SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- ALL GRADING WORK TO CONFORM TO SOILS REPORT AS PREPARED FOR THIS PROJECT.
- CONTRACTOR SHALL REMOVE EXCESS DEBRIS AND VERIFY WALL FOOTING EXISTING PRIOR TO CONSTRUCTION, REPORT DISCREPANCIES TO ENGINEER IMMEDIATELY.

**FOR CIRCUIT "B" STREETLIGHT CIRCUIT CAPACITY VERIFICATION SEE SHEET SS2 - STREETLIGHT & SIGNAGE PLAN 2**

**STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "A"**  
SERVICE PEDESTAL LOCATION: EAST SIDE OF TIOGA WAY AT STATION 16+50.00  
CITY OF LAS VEGAS (COMPLETE IF EXISTING SERVICE):  
DATE OF CAPACITY VERIFICATION: N/A  
ENGINEER OF THE OFFSITE PLANS: MICHAEL KINTNER  
PERSON WHO DID THE CALCULATIONS: MICHAEL KINTNER  
CONSULTING ENGINEERING FIRM: ADVANTAGE CIVIL DESIGN GROUP

CAPACITY CALCULATIONS	
1. CIRCUIT CAPACITY	60 AMPS
2. MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48 AMPS
3. EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	0 AMPS
4. AVAILABLE (2 MINUS 3)	48 AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT:

5. NUMBER OF 100 WATT SITS @ 1.0 AMPS/EA	2	AMPS
6. NUMBER OF 250 WATT SITS @ 1.5 AMPS/EA	16.5	AMPS
7. TOTAL PROPOSED ADDITIONAL LOAD (5+6)	18.5	AMPS
8. REMAINING AVAILABLE LOAD (4 MINUS 7)	29.5	AMPS

- CONSTRUCTION NOTES**
- INSTALL LED STREETLIGHT AND FOUNDATION PER CCAUSSD #314, #320, AND #321.
  - INSTALL P30 PULL BOX PER CCAUSSD #761.
  - PROPOSED FIRE HYDRANT.
  - INSTALL BLUE REFLECTIVE MARKER PER FIRE DEPARTMENT GENERAL NOTES 11.
  - INSTALL 1-1/4" PVC STREET LIGHT CONDUIT AND WIRE.
  - INSTALL 200 AMP SERVICE PEDESTAL PER CCAUSSD #330, #331, AND #332.
  - STUD AND CAP STREETLIGHT CONDUIT FOR FUTURE USE.
  - END CONDUIT AND CIRCUIT AT STREETLIGHT.
  - INSTALL #1-1/2 PULL BOX.
  - INSTALL 4" PVC FAST CONDUIT WITH #8 BARE TRACER WIRE.
  - INSTALL 30"x30" R1-1 STOP SIGN.
  - INSTALL 24"x18" R7-31A NO PARKING SIGN.
  - INSTALL 24"x18" R2-1 SPEED LIMIT SIGN.
  - INSTALL (2) 12" D3 STREET SIGNS PER CCAUSSD #250.
  - INSTALL 4" WIDE WHITE EDGE STRIPING.
  - INSTALL 8" WIDE WHITE EDGE STRIPING.
  - INSTALL 0M-3R EVERY 35' O.C.
  - INSTALL TYPE 4 LANE LINE PER CCAUSSD #244.1.
  - EXISTING STRIPING TO REMAIN.
  - OBTERATE EXISTING STRIPING.
  - INSTALL TYPE IIA BARRICADES PER CCAUSSD #601.
  - INSTALL LANE DELINEATION 1/2" 24" CHEVRON MARKINGS PER CCAUSSD #245.
  - INSTALL LANE DELINEATION 1/2" 24" YELLOW STRIPES PER CCAUSSD #245.
  - INSTALL YELLOW TYPE I CENTERLINE (RAISED BUTTONS) PER CCAUSSD #244.
  - INSTALL METAL NYPE MARKINGS PER CCAUSSD #246.
  - INSTALL 35"x30" R1-1 STOP SIGN.

CLV #54192