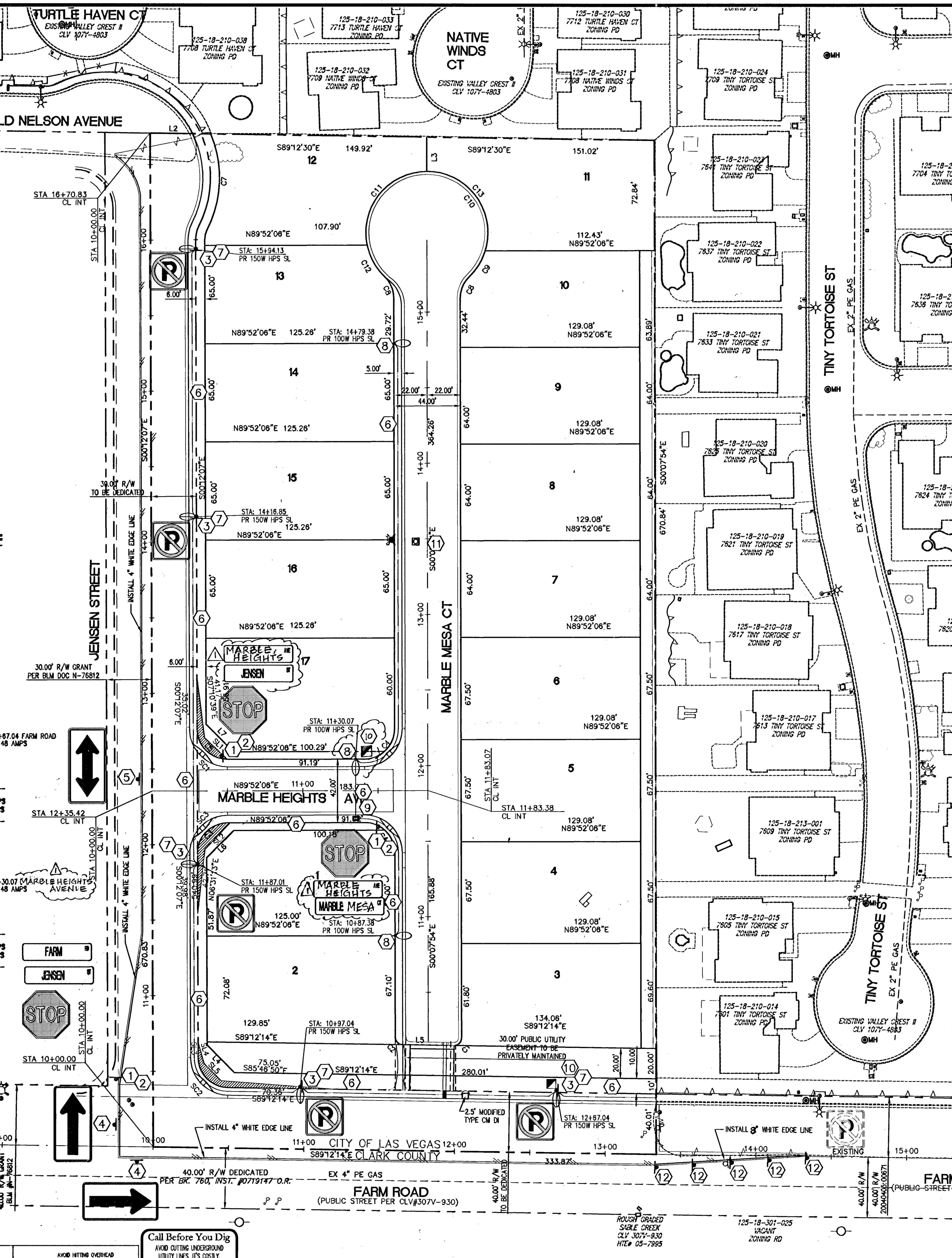


BASIS OF BEARING

SOUTH 89°12'14" EAST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 123, PAGE 32 OF SURVEYS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK No. 6LV9018C4: RIVET & PLATE TOP CURB SE CORNER GRAND CANYON DR & FARM RD.

NAD 83
FEET = 2766.35
METERS = 843.186

NOTE TO CONTRACTOR:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE CITY OF LAS VEGAS AND THE CITY OF LAS VEGAS FIRE AND RESCUE ON ROAD CLOSURE AND TEMPORARY ACCESS ISSUES.

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

PROPOSED CIRCUIT "A" (PUBLIC)
PROPOSED CIRCUIT "A" CAPACITY = 60 AMPS
PROPOSED SERVICE POINT LOCATION FOR CIRCUIT "A" IS AT STA 12+67.04 FARM ROAD
MAXIMUM CONTINUOUS AMP DRAW IS 80% OF CIRCUIT CAPACITY = 48 AMPS
EXISTING CIRCUIT LOAD = 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT:
___ (#) NUMBER OF 100 WATT @ 1.0 AMPS = -0- AMPS
___ (#) NUMBER OF 150 WATT @ 1.0 AMPS = 5 AMPS
-0- (#) NUMBER OF 250 WATT @ 1.5 AMPS = -0- AMPS
TOTAL PROPOSED LOAD = 5 AMPS
EXISTING PLUS PROPOSED LOAD = 0 AMPS
REMAINING AVAILABLE LOAD = 43 AMPS
AS OF 01/13 BY IMPULSE CIVIL ENGINEERING

STREETLIGHT CIRCUIT CAPACITY VERIFICATION

PROPOSED CIRCUIT "B" (PRIVATE)
PROPOSED CIRCUIT "B" CAPACITY = 60 AMPS
PROPOSED SERVICE POINT LOCATION FOR CIRCUIT "B" IS AT STA 11+30.07 MARBLE HEIGHTS AVENUE
MAXIMUM CONTINUOUS AMP DRAW IS 80% OF CIRCUIT CAPACITY = 48 AMPS
EXISTING CIRCUIT LOAD = 0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT:
___ (#) NUMBER OF 100 WATT @ 1.0 AMPS = 3 AMPS
___ (#) NUMBER OF 150 WATT @ 1.0 AMPS = -0- AMPS
-0- (#) NUMBER OF 250 WATT @ 1.5 AMPS = -0- AMPS
TOTAL PROPOSED LOAD = 3 AMPS
EXISTING PLUS PROPOSED LOAD = 0 AMPS
REMAINING AVAILABLE LOAD = 45 AMPS
AS OF 01/13 BY IMPULSE CIVIL ENGINEERING

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL AND STREET LIGHT SYSTEM CONDUITS IT'S COSTLY
Call before you UnderGround
1-702-455-7511
CITY OF HENDERSON TRAFFIC OPERATIONS
AND
1-702-432-5300
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

CAUTION TO CONTRACTOR !

EXISTING UTILITY LOCATIONS SHOWN HEREON 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 LOCATION.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-227-2929
NEVADA POWER ENVIRONMENT & SAFETY SERVICES DEPARTMENT

Call Before You Dig
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
CALL 811
OR 1-800-227-2600
AND
CLARK COUNTY TRAFFIC OPERATIONS
1-800-455-7544

S.V.R.E. DETAIL

STREETNAME STREETNAME STREETNAME STREETNAME
NOTE: SEE PLAN VIEW, CURVE & LINE DATA TABLES FOR DIMENSIONS
NOTE: NO VIEW OBSTRUCTION OVER 24" ABOVE TOP OF CURB ALLOWED IN SHADED AREA

SVRE LINE TABLE

No.	BEARING	DISTANCE
SL1	S46°45'05"E	20.59'
SL2	N43°17'12"E	24.11'
SL3	N00°12'07"W	10.35'
SL4	N15°42'19"W	14.96'
SL5	N44°42'10"W	15.94'

SVRE CURVE TABLE

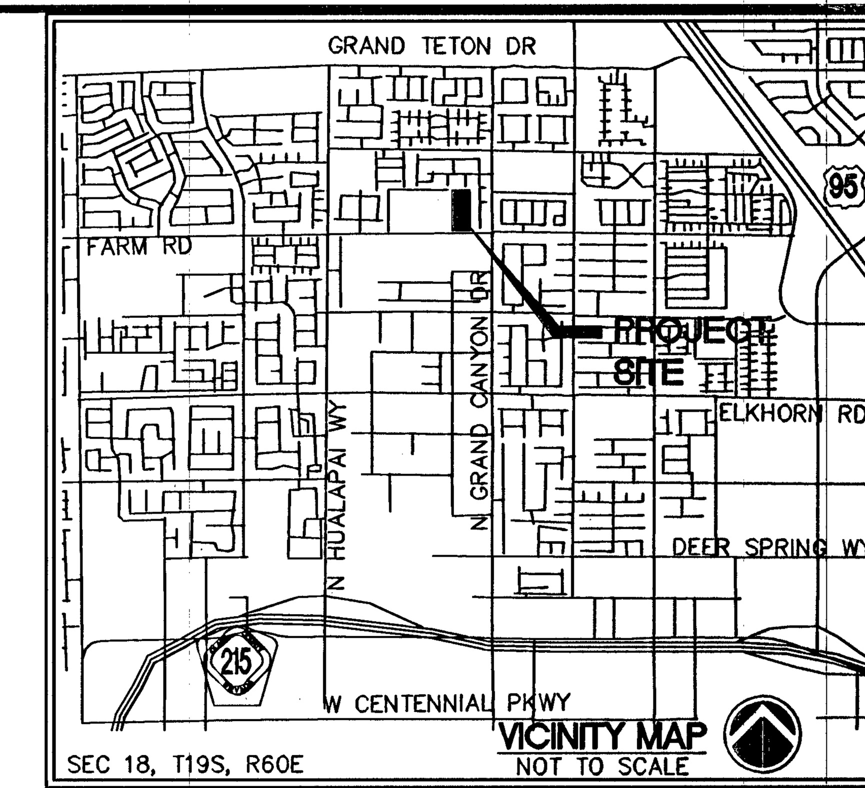
No.	RADIUS	DELTA	LENGTH	TANGENT
SC1	20.00'	89°56'08"	31.39'	19.98'
SC2	20.00'	89°00'07"	31.07'	19.65'
SC3	20.00'	94°33'58"	33.01'	21.66'

SVZ NOTE:

NO WALLS, FENCES, TREES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT OTHER THAN TRAFFIC CONTROL DEVICES AND STREETLIGHT POLES MAY BE CONSTRUCTED OR INSTALLED WITHIN THE SIGHT VISIBILITY ZONE UNLESS SAID OBJECT IS MAINTAINED AT LESS THAN 24" IN HEIGHT.

TRAFFIC AND ELECTRICAL NOTES

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 PORTION(S) 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.
2. 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 GROUND MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
3. ALL CONSTRUCTION SIGNING, BARRICADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK – 1986 AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE COUNTY TRAFFIC MANAGER.
5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE CLASS VI SHEETING.
6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
7. PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.
8. ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PEDESTAL FOR CABINETS AND STREET LIGHT POLES SHALL BE GALVANIZED PER ASTM A.123.
9. ALL STREET LIGHTING INSTALLATIONS EXCEPT AS NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION, OFF-SITE IMPROVEMENTS CLARK COUNTY AREA, NEVADA, LATEST EDITION OF EACH.
10. THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, AND FREEWAY AND ARTERIAL SYSTEM TRANSPORTATION (F.A.S.T.) INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT 455-6000 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF "CALL BEFORE YOU DIG" (UNDERGROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.
11. FAST INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO F.A.S.T. ANY DAMAGE TO THIS CABLE IS DEEMED AN EMERGENCY BY F.A.S.T., CITY OF LAS VEGAS, CLARK COUNTY AND NDOT AND MUST BE REPAIRED IMMEDIATELY TO F.A.S.T. ACCEPTANCE. $2,500 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HOURS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.
12. ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING, SHALL HAVE INDEPENDENT LEAD-IN WIRES FOR EACH LOOP FROM THE CONTROLLER TO THE PULL-BOX, AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.
13. TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE THE L.E.D. TYPE.
14. ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON THE PLANS. IF CONNECTING TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.
15. WHEN STREET LIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, THE ENGINEER MUST CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.
16. CLARK COUNTY RESERVES THE RIGHT TO REJECT STREET LIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE A "STRIPED" APPEARANCE.
17. TWO WEEKS PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WORK WILL BEGIN.
18. THREE (3) NORMAL WORKING DAYS PRIOR TO TURN-ON OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.



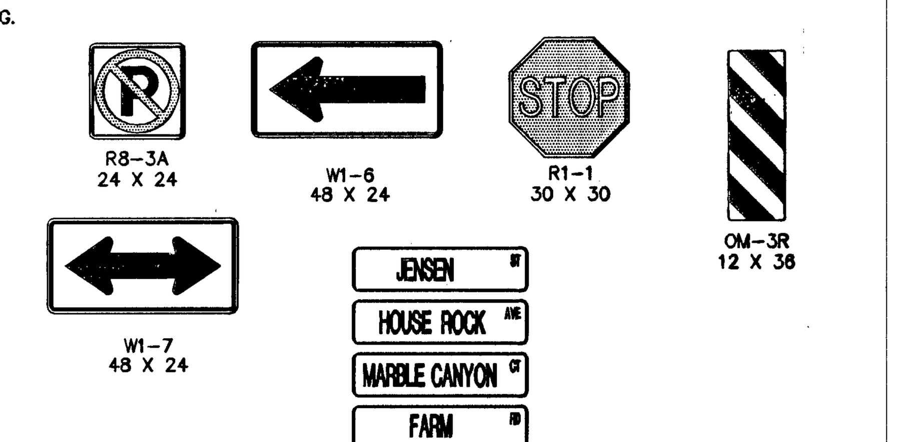
LEGEND

SYMBOLS		DESCRIPTION
EXISTING	PROPOSED	
— — —	— — —	RIGHT-OF-WAY
—— — ——	—— — ——	CENTERLINE
- - - - - -	————	PROPERTY LINE
- - - - - -	————	EASEMENT

* STREET LIGHT AND TRAFFIC QUANTITY ESTIMATE

No.	ITEM	PUBLIC	PRIVATE
1	INSTALL R1-1 "STOP" SIGN (30"X30")	1 EA	2 EA
2	INSTALL STREET NAME SIGNS 9"	2 EA	4 EA
3	INSTALL "R8-3A" (24"X24") NO PARKING SIGN	5 EA	– EA
4	INSTALL "W1-6" (24"X48") ARROW SIGN	2 EA	– EA
5	INSTALL "W1-7" (24"X48") DOUBLE ARROW SIGN	1 EA	– EA
6	INSTALL 1 1/4" STREET LIGHT CONDUIT W/WIRES	854 EA	432 EA
7	PROPOSED 150 W HPS LUMINAIRE W/ STANDARD	5 EA	– EA
8	PROPOSED 100 W HPS LUMINAIRE W/ STANDARD	– EA	3 EA
9	INSTALL PULL BOX	– EA	1 EA
10	INSTALL SERVICE PEDESTAL	1 EA	1 EA
11	INSTALL REFLECTIVE BLUE MARKER	– EA	1 EA
12	INSTALL OM3R @ 25' O.C.	5 EA	– EA

* ALL QUANTITIES ARE AN ESTIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR QUANTITIES FOR BIDDING PURPOSES



CLARK COUNTY
DEPARTMENT OF PUBLIC WORKS
ACCEPTED
For Portions within Clark County
BY: [signature] 8-19-13
ACCEPTANCE OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF STATE, COUNTY OR FEDERAL LAW, SPECIFICATIONS, OF THE MANUAL UNIFORM TRAFFIC CONTROL DEVICES.

DEVELOPER

D·R·HORTON DHI Listed NYSE
America's Builder
330 CAROUSEL PARKWAY
HENDERSON, NV 89014

CLV# 107Y4987
H# 48654
HTE# 13-12503

REV	REVISION DESCRIPTION	SHEETS	APP BY	APP DATE
1	ADD PRIVATE SERVICE PED. CALLOUT	6	[illegible]	[illegible]
1	REV. STREET NAMES	6	[illegible]	[illegible]

TITLE: **TRAFFIC PLAN**

PROJECT: **MARBLE CANYON ESTATES CITY OF LAS VEGAS, NEVADA**

REGISTERED PROFESSIONAL ENGINEER STATE OF NEVADA
PETER J. LAAS
Exp: 12/31/13
CIVIL
No. 14444
7/31/13

Impulse
Civil Engineering & Planning
$I = \int F \cdot dt$
CIVIL ENGINEERS · PLANNERS
5135 CAMINO AL NORTE, SUITE 284
NORTH LAS VEGAS, NEVADA 89031
PHONE (702) 853-6702
FAX (702) 853-6703

W.O. #: 2012080
BY: REH
DATE: 1/10/13
SCALE: 1"=40'

SHEET 6 OF 11 SHEETS