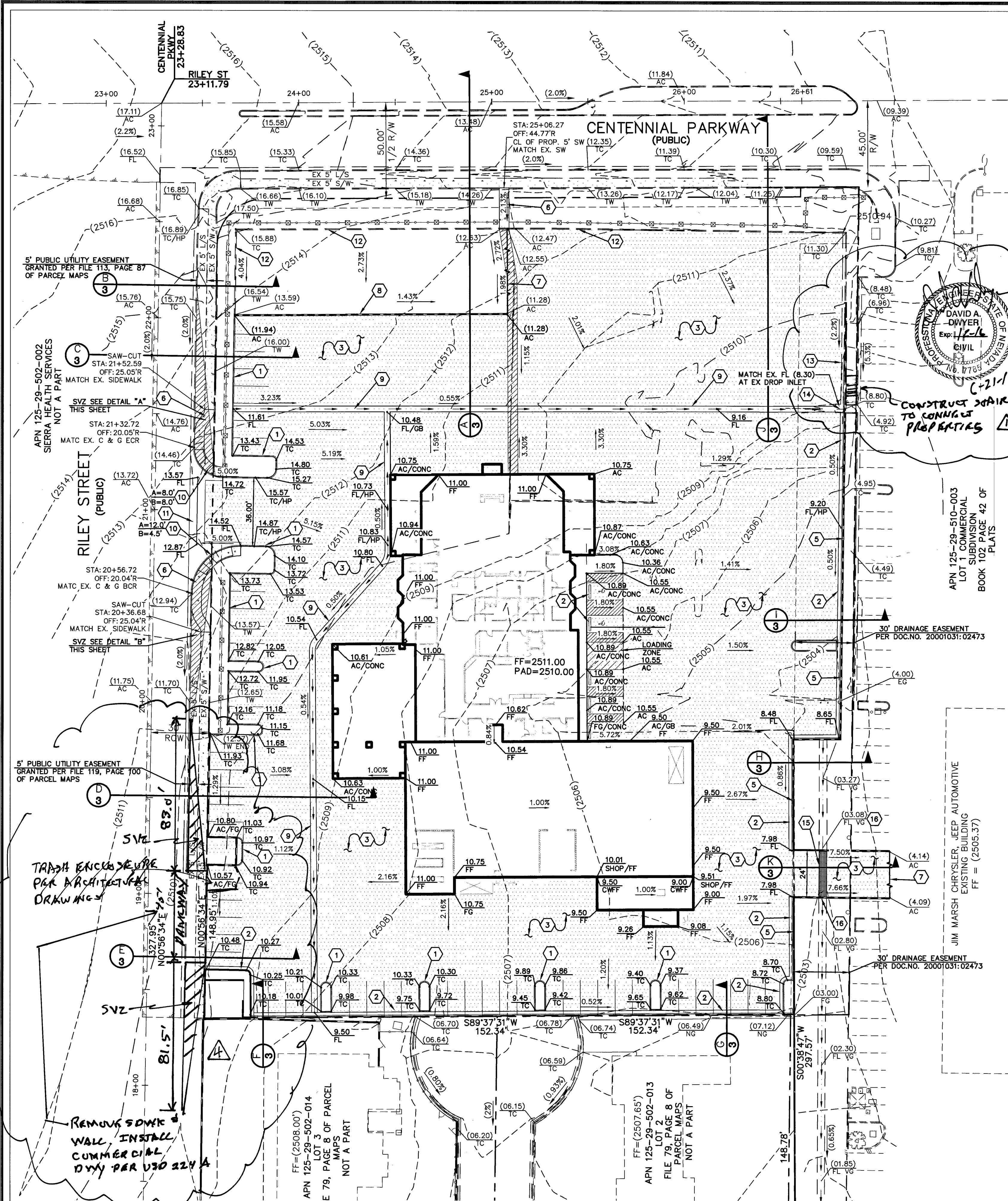




BASIS OF BEARING
NORTH 89°42'50" EAST, BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NE 1/4) OF SECTION 29, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN IN BOOK 102 OF PLAT MAPS, PAGE 42 IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER.

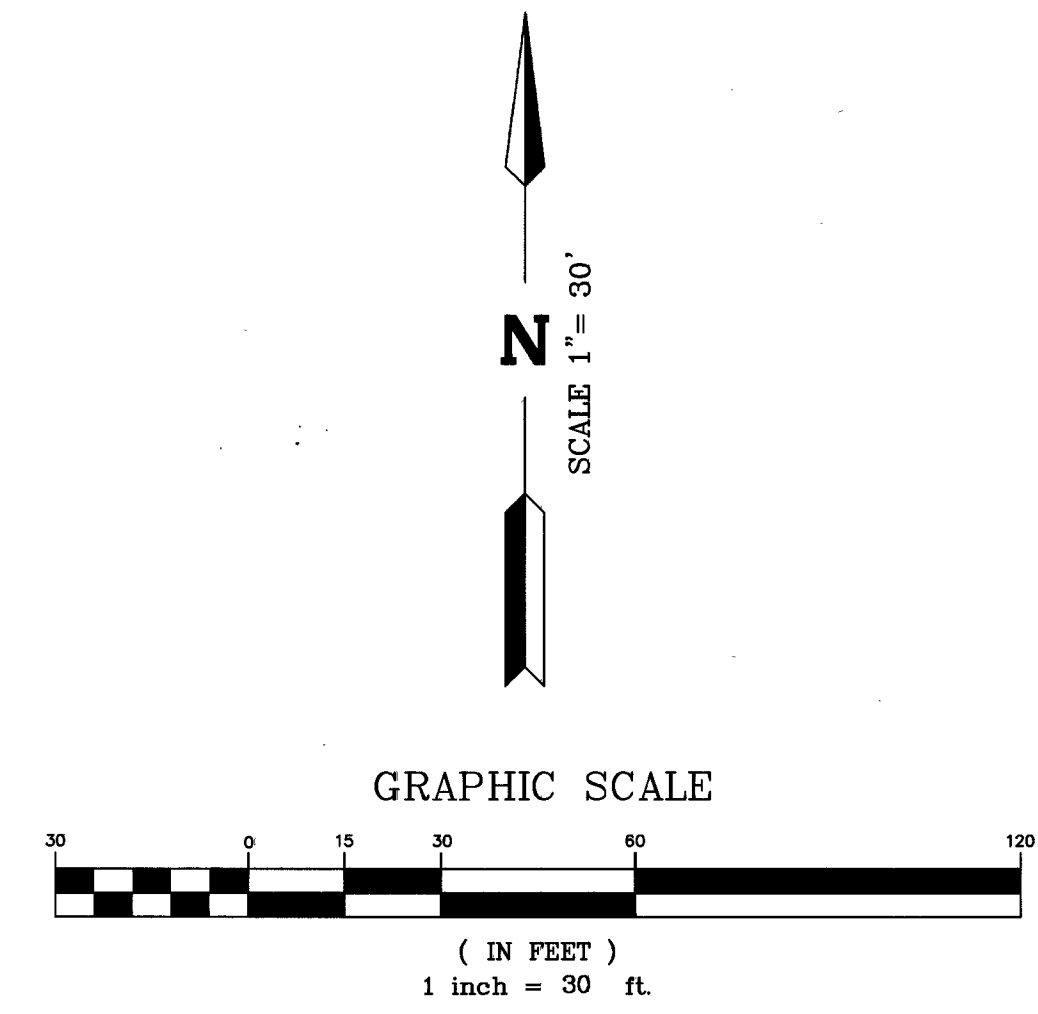
BENCHMARK
CLARK COUNTY VERTICAL CONTROL v.2003 BENCHMARK NO. 2090 29NES 2002 A RIVET AND ROUND ALUMINUM PLATE ON A CONCRETE ELECTRIC PAD, SOUTHWEST CORNER OF DURANGO DRIVE AND CENTENNIAL PARKWAY. NAVD83 ELEVATION 758.585 METERS (2488.79 FEET)

CLV GRADING NOTES

- 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.
- 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.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
- THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCE AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	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 AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- 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.
- 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.
- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE 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.

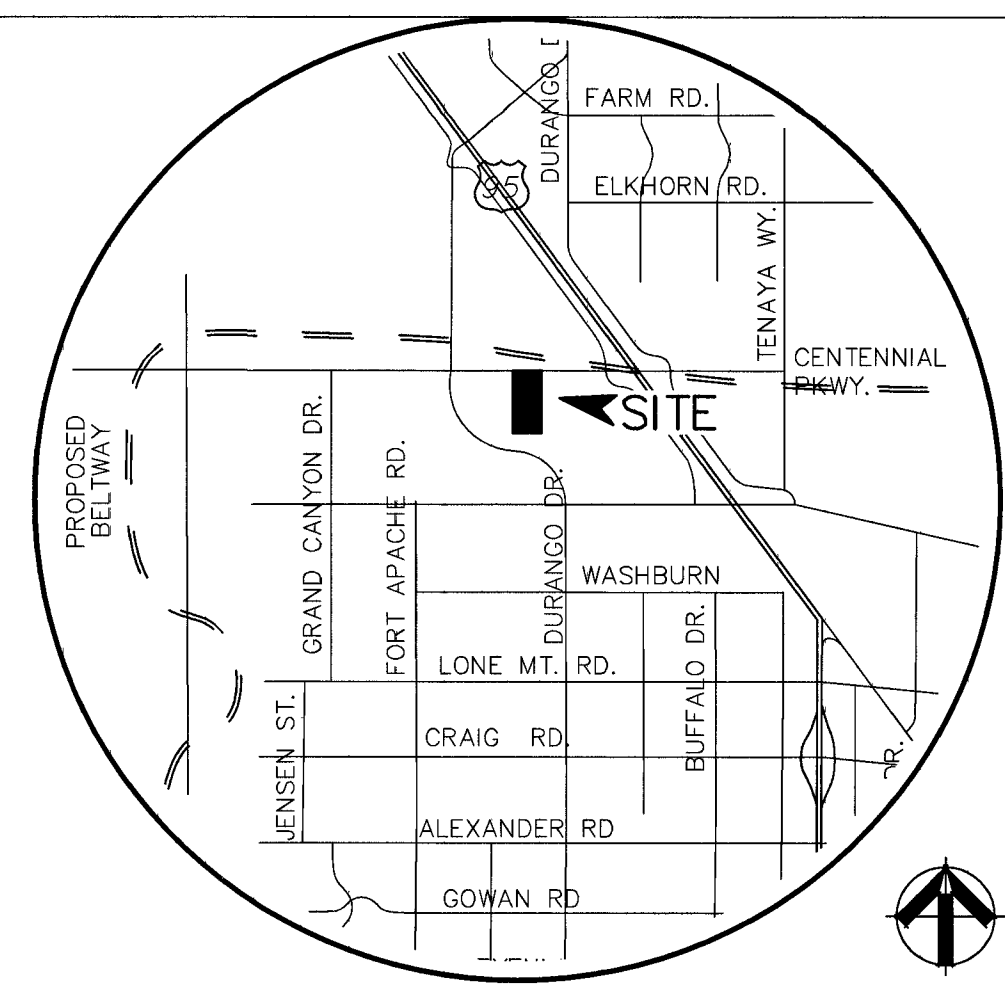
- LEGEND**
- ROADWAY CENTERLINE
 - SWALE/FLOWLINE
 - PROPERTY LINE
 - PROPOSED CMU WALL
 - EXISTING CMU WALL
 - EXISTING FENCE
 - PROPOSED FENCE
 - EXISTING 'L' TYPE CURB
 - PROPOSED EDGE OF PAVEMENT
 - EXISTING EDGE OF PAVEMENT
 - 'L' TYPE CURB & GUTTER
 - 'W' SIDEWALK
 - 'A' TYPE CURB
 - 'R' TYPE CURB
 - SETBACK LINE
 - EXISTING SAWCUT LINE
 - PROPOSED SAWCUT LINE
 - BUILDING FOOTPRINT
 - EXISTING BUILDING FOOTPRINT
 - EXISTING 1' CONTOURS
 - EXISTING 5' CONTOURS
 - EXISTING ELEVATION
 - PROPOSED ELEVATION
 - GRADE AND FLOW DIRECTION



SVZ NOTE
NOTE: NO WALLS, FENCES, SHRUBS, UTILITY APPURTENANCES OR ANY OTHER OBJECT, OTHER THAN TRAFFIC CONTROL DEVICES, FIRE HYDRANTS, TREES, 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 EXISTS, A HEIGHT OF 27 INCHES MEASURED FROM THE TOP OF ADJACENT ASPHALT, GRAVEL OR PAVEMENT STREET SURFACE. THIS RESTRICTION EXTENDS ALONG SIGHT VISIBILITY LINE THROUGH LANDSCAPED MEDIANS.

GEOTECHNICAL NOTE:
ALL GRADING SHALL CONFORM TO THE SOIL REPORT. ENGINEER: NOVA GEOTECHNICAL DATE: MAY 29, 2013 JOB NUMBER: 2010074

ENGINEERS CERTIFICATION:
I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY.
DAVID A. DWYER, P.E. No. 7785



CONSTRUCTION NOTES

- INSTALL "A" CURB PER STD DWG NO. 219. ALL CURB IS "A" CURB UNLESS OTHERWISE SHOWN.
 - INSTALL "L" CURB & GUTTER PER STD DWG NO. 216.
 - INSTALL 3" AC PAVEMENT PER THIS PAVEMENT SECTION:
- TYPICAL ON-SITE PAVEMENT SECTION**
ENGINEER: NOVA GEOTECHNICAL
DATE: MAY 29, 2013
JOB NUMBER: 2010074
- FOG SEAL**
3" ASPHALT CONCRETE
4" TYPE II A.B. AT 95% MAX. DENSITY
12" SUBGRADE, SCARIFY & COMPACT AT 90%
N.T.S.
- NOT USED
 - INSTALL MAX. 6' HIGH RETAINING WALL WITH WROUGHT IRON FENCE ON TOP. WALL TO MATCH EXISTING.
 - INSTALL 5' SIDEWALK PER STD. DWG. NO. 234.
 - SAWCUT AND MATCH EX. AC.
 - INSTALL 6' TO 2' MAX. HIGH RETAINING WALL W/42" HIGH WROUGHT IRON FENCE.
 - INSTALL 3' WIDE VALLEY GUTTER PER DETAIL 1 ON SHEET #3.
 - INSTALL HC RAMP PER STD. DWG. NO. 235.
 - INSTALL 8' WIDE CROSS GUTTER PER STD. DW. NO. 228.
 - EX. "A" CURB TO REMAIN.
 - EX. "L" CURB TO REMAIN.
 - EX. DROP INLET TO REMAIN.
 - INSTALL TRENCH DRAIN PER DETAIL 2 ON SHEET #3.
 - MATCH EX. FL @ VALLEY GUTTER.
 - INSTALL CONCRETE BUMPER BLOCKS PER STD. DWG. NO. 238.

QUANTITIES

282 LR (PRIVATE)
637 LF (PRIVATE)
9,673 SY (PRIVATE)
1,064 CY (PRIVATE)
381 LF (PRIVATE)
591 SF (PUBLIC)
44 LF (PRIVATE)
142 LF (PRIVATE)
644 LF (PRIVATE)
2 EA (PUBLIC)
553 SF (PUBLIC)
1 EA (PRIVATE)

EARTHWORK QUANTITIES

IMPORT	8,740 CY
EXPORT	776 CY
IMPORT	8,740 CY

Job No. 15433
DATE: 12/22/15
VERT. SCALE: N/A
HORIZ. SCALE: 1"=30'
DRAWN BY: GA
CHECKED BY: JR
SHEET 7 of 7

REUSE OF DOCUMENTS
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APPROVED
DATE: 12-22-15
BY: JR

REVISIONS
DESCRIPTION
NO. DATE
1 12-22-15 ADD STAIRS TO CONN. PROPERTIES
2 11-16-15 ADD NEW DWY

STATE OF NEVADA
DAVID A. DWYER
CIVIL
No. 7785
Professional Engineer

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LAND PLANNING
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Fax: (702) 254-2808

GRADING PLAN
JIM MARSH AMERICAN CORP.
8575 W. CENTENNIAL PARKWAY
CITY OF LAS VEGAS, NEVADA
A.P.N.: 125-29-502-031