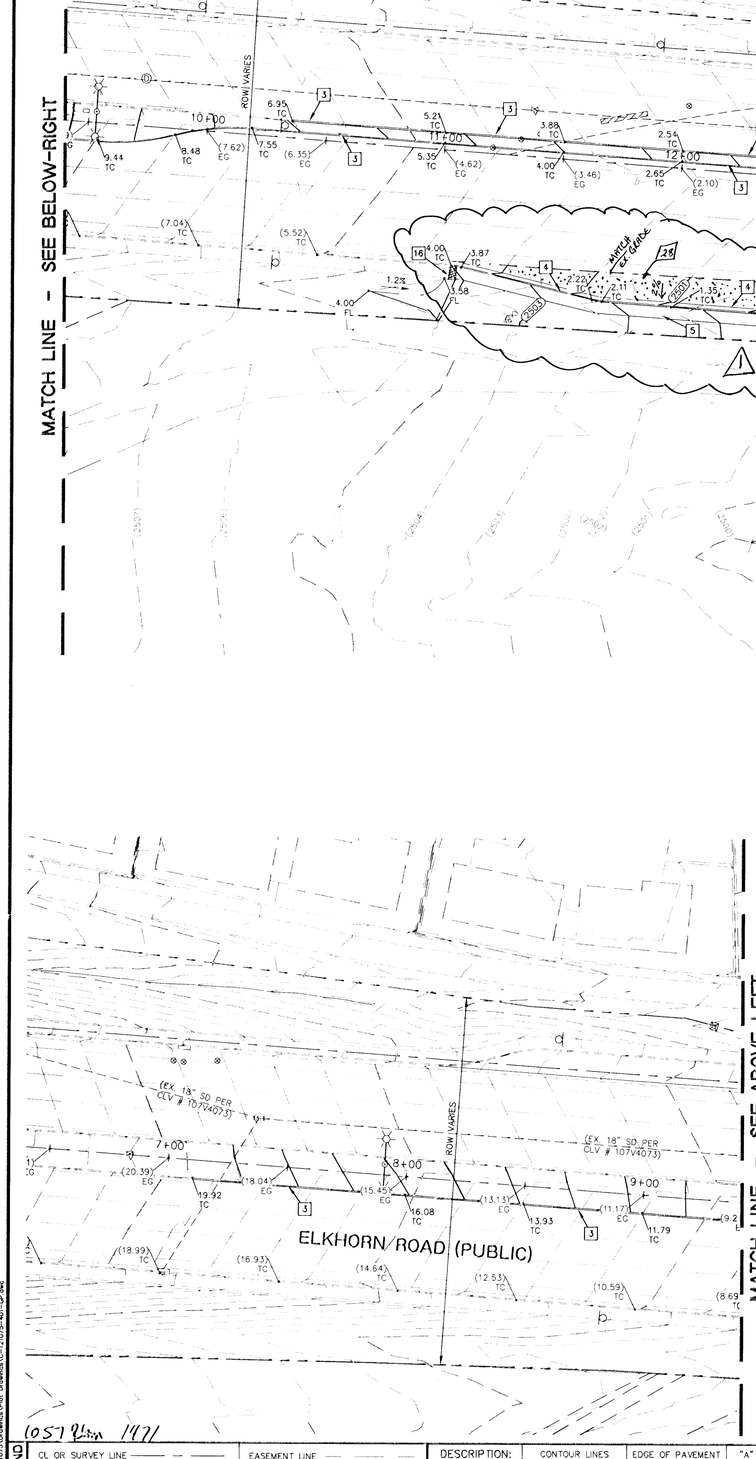


GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

LAS VEGAS VALLEY CONSTRUCTION SITE BEST MANAGEMENT PRACTICES GUIDANCE MANUAL SECTION 3.5.1 STANDARD NOTES 1-5

1. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHT-OF-WAY OF THE CITY OF LAS VEGAS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS SITE DEVELOPMENT OR CONSTRUCTION PROJECT. SUCH MATERIAL SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN THE CITY OF LAS VEGAS AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.
3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR10000, SECTION II.A.5.
4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLE ENTRANCE AND EXIT LOCATIONS, AND ALL BMPS WEEKLY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES. REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY NVR100000, SECTION III.A.12.
5. ACCUMULATED SEDIMENT IN BMP'S SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

GRADING NOTES:

1. SLOPES 4:1 OR STEEPER AND [illegible]-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC/MATERIAL UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS AND SPECIFICATIONS OR THE SOILS REPORT.
2. CONTRACTOR SHALL DETERMINE HIS OWN FOOTING OR BASEMENT EXCAVATION QUANTITIES, EVEN THOUGH SHOWN ON ROUGH GRADING PLANS. ADDITIONALLY, STRUCTURE BACKFILL COSTS SHOULD BE INCLUDED IN THE COST OF THE STRUCTURE, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL NOTIFY LOCHSA ENGINEERING WITHIN 24 HOURS OF OMISSIONS AND ERRORS DISCOVERED ON PLANS. LOCHSA ENGINEERING WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.
4. CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED. CONTRACTOR TO FOLLOW RECOMMENDATIONS AS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING AND COMPACTION. REFER TO THE REPORT PREPARED BY: TERRACON CONSULTANTS WESTERN, INC., PROJECT No. 04125046, DATED: NOV. 15, 2012.

FLOOD ZONE NOTE:

THE ENTIRE SUBJECT PROPERTY IS LOCATED WITHIN AN AREA DESIGNATED AS FLOOD ZONE "X" (UNSHADED). ZONE "X" (UNSHADED) IS DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. THIS INFORMATION IS OBTAINED FROM THE EFFECTIVE FLOOD INSURANCE RATE MAP (FIRM) PANEL No. 32003F1745, EFFECTIVE DATE SEPTEMBER 27, 2002.

NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED:

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT OF WAY. PLANS SHOWING WORK IN NDOT RIGHT OF WAY MUST SHOW NDOT STATIONING. THE DEVELOPER ASSUMES ALL LIABILITY FOR WORK CONDUCTED UNDER THE DISTRICT OBTAINED PERMIT THROUGH WARRANTY EXPIRATION.

EXISTING UTILITY NOTE:

CONTRACTOR TO ADJUST ALL EXISTING UTILITIES TO MATCH PROPOSED FINISH GRADE ELEVATIONS.

GRADING PLAN CERTIFICATION

3-4-13

NAME: GUY M. MORRIS PE #14526 DATE

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT. PROJECT# DS4570

A.P.N.:

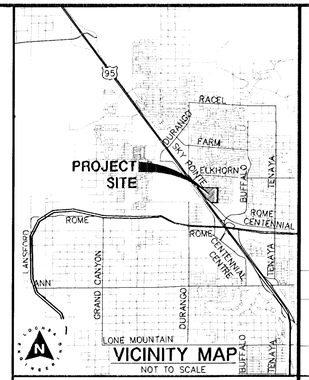
PORTION OF 125-21-102-001 CONTAINS 12.14 ACRES

BASIS OF BEARINGS:

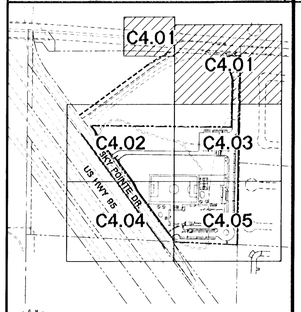
NORTH 85°49'07" WEST, BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 21, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON A RECORD OF SURVEY IN FILE 73, PAGE 26 IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

BENCHMARK:

CITY OF LAS VEGAS BENCHMARK (2008 ADJUSTED) 6LV90 21NW6 A RIVET AND PLATE IN TOP CURB ON THE SOUTH SIDE OF ELKHORN ROAD APPROXIMATELY 1/4 MILE WEST OF CIMARRON ROAD. ELEVATION=2498.19 FEET (761.449 METERS) (NAVD'88)



VICINITY MAP
NOT TO SCALE



KEY MAP
NOT TO SCALE

CONSTRUCTION NOTES:

- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (C.C.A.U.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- NOT ALL NOTES USED ON THIS SHEET -

1. CONSTRUCT AC PAVEMENT PER DETAIL 2 ON C6.01
2. CONSTRUCT CONC. PAVEMENT PER DETAIL 3 ON C6.01.
3. CONSTRUCT "A" TYPE CURB PER DETAIL 1 ON C6.01.
4. CONSTRUCT "L" TYPE CURB PER CCAUSD No. 216.
5. CONSTRUCT CONC. SIDEWALK PER CCAUSD No. 234. SEE DETAIL 4/C6.02 FOR FINISHING SPECIFICATIONS.
7. CONSTRUCT SIDEWALK RAMP CCAUSD No. 235 CASE II.
8. CONSTRUCT 72" WIDE "U" CHANNEL PER DETAIL 5 ON C6.01.
9. CONSTRUCT 24" WIDE "U" CHANNEL PER DETAIL 4 ON C6.01.
10. CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD No. 225 AND CCAUSD No. 228.
11. LANDSCAPING. REFER TO LANDSCAPE ARCH. PLANS FOR SPECIFICATIONS.
14. SEE STRUCTURAL DETAILS BY OTHERS FOR STAIRS AND STRUCTURAL SLAB.
16. CONSTRUCT SIDEWALK DRAIN PER C.C.A.U.S.D. No. 236.
17. CONSTRUCT 2' VALLEY GUTTER PER DETAIL 11 ON C6.01.
18. CONSTRUCT SIDEWALK RAMP PER DETAIL 10 ON C6.01
19. CONSTRUCT 60" WIDE "U" CHANNEL PER DETAIL 12 ON C6.01
20. CONSTRUCT SIDEWALK RAMP PER DETAIL 9 ON C6.01.
21. INSTALL MIN. 36" HIGH RAIL ON TOP OF RETAINING WALL WHERE GRADE DIFFERENCE IS 18" OR GREATER.
22. CONSTRUCT RETAINING WALL PER DETAILS 8 ON SHEET C6.03 AND ARCHITECTURAL PLAN.
23. CONSTRUCT 2' WIDE CONCRETE STRIP FOR GATE PATH. NOTCH CURB AS NECESSARY FOR THE GATE BYPASS. GATE PER ARCHITECTURAL PLANS.
24. CMU SCREEN WALL PER ARCHITECTURAL PLANS. WALL TO BE SOLID GROUTED 18" ABOVE FLOWLINE OF ROADWAY.
25. CONSTRUCT SIDEWALK RAMP CCAUSD No. 235 CASE I.
26. CONSTRUCT RETAINING WALL PER DETAILS 9 ON SHEET C6.03 AND ARCHITECTURAL PLAN.
27. CONSTRUCT PLAYGROUND AREA PER ARCHITECTURAL PLANS.
28. CONSTRUCT CONCRETE TILT UP. SEE CCAUSD DTG. # 234.1 FOR SECTION AND JOINT REQUIREMENT

EARTHWORK QUANTITIES

CUT	8,499 CU. YD.
FILL	31,269 CU.YD.
NET	FILL 22,770 CU. YD.

NOTE:

LOCHSA ENGINEERING ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS PLAN ARE FROM THE BEST AVAILABLE INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES, INCLUDING BUT NOT LIMITED TO, THE WATER, FIRE, SANITARY SEWER, STORM SEWER, TELEPHONE, POWER, GAS, AND IRRIGATION LINES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF CONFLICT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE PROJECT ARCHITECT, OWNER'S REPRESENTATIVE AND THE PROJECT ENGINEER IMMEDIATELY.

SAFETY ALERT

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Call Before You Underground

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1-702-227-2929 FREE OF CHARGE SERVICE 2 WORKING DAYS 1-800-227-2600

LEGEND																										
CL OR SURVEY LINE	EASEMENT LINE	DESCRIPTION:	CONTOUR LINES	EDGE OF PAVEMENT	"A" TYPE CURBS	"L" TYPE CURBS	WALLS	FENCES	AC PAVEMENT	CONCRETE	SPOT ELEVATIONS	SIGNS	MANHOLE W/ DESCRIPTION	MANHOLE DESCRIPTIONS (S) = SANITARY SEWER (D) = STORM DRAIN (E) = ELECTRICAL (T) = TELEPHONE	FIRE HYDRANTS	GATE VALVES	REDUCERS	CLEAN OUTS	UTILITY BOX OR VAULT	BACKWATER VALVES	100w HPS STREETLIGHTS	150w HPS STREETLIGHTS	200w HPS STREETLIGHTS	250w HPS STREETLIGHTS
PROPERTY LINE	SAWCUT LINE	EXISTING:	(2210)								(12.34) BC 12.34 BC									BWV				
ROW LINE	SCARP LINE	PROPOSED:	2122										S							BWV				

REV.	1
DATE:	4-9-13
BY:	GM
DESCRIPTION:	O.I.C. COMMENTS CHANGED FLOW LINE TO CONCRETE

Lochsa engineering
6345 South Jones Blvd
Suite 100
Las Vegas, NV 89118
Phone (702) 365-6312
Fax (702) 365-6317
www.lochsa.com

GRADING PLANS
SHEET 1 OF 5

SOMERSET ACADEMY
SKY POINTE & ELKHORN
LAS VEGAS, NV

SHEET TITLE

PROJECT No.:	121075
DATE:	03/04/13
SCALE:	1"=30'
DRAWN BY:	MW
DESIGNED BY:	MW
CHECKED BY:	GM

SEAL: PROFESSIONAL ENGINEER STATE OF NEVADA GUY M. MORRIS EXP. 12-31-13 CIVIL No. 14526

3-4-13

SHEET No.
C4.01
SHEET 13 OF 27

1057 Elm 147

3/7/2013 12:31 PM
G:\Projects\Civil Drawings\C-121075-4GP.dwg