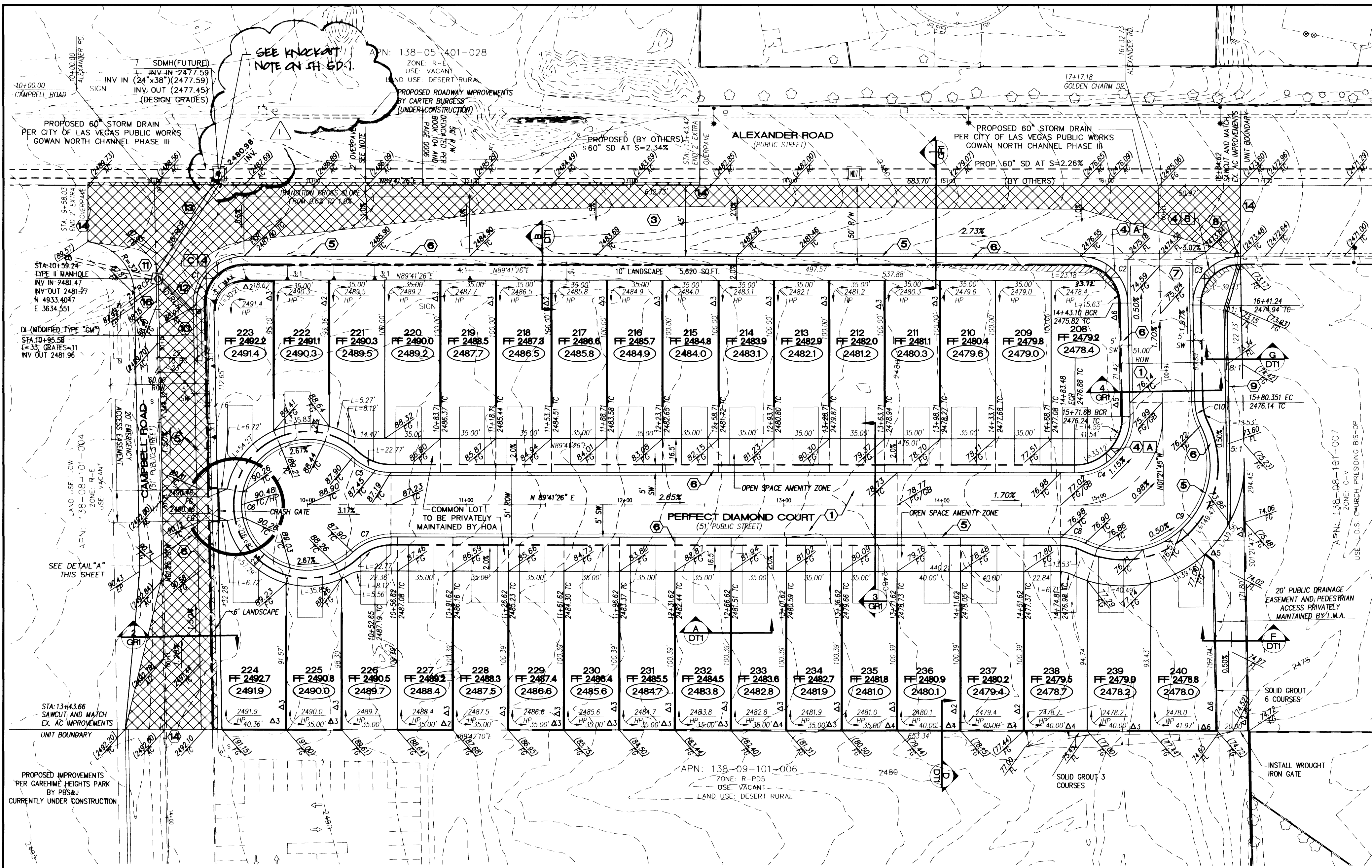
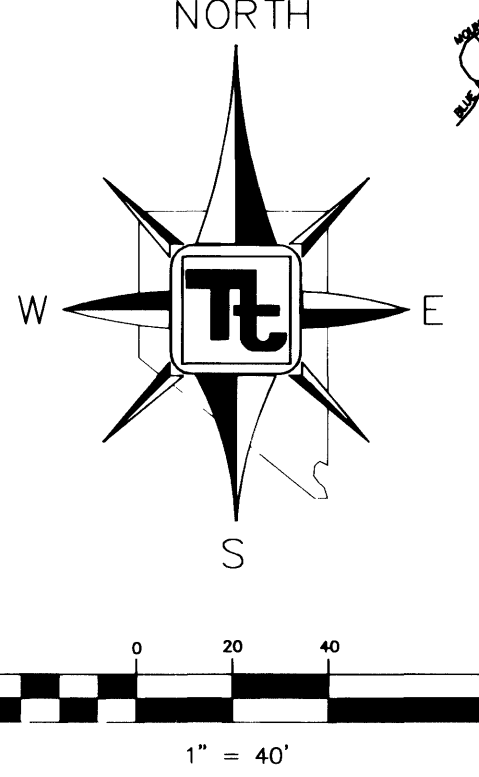




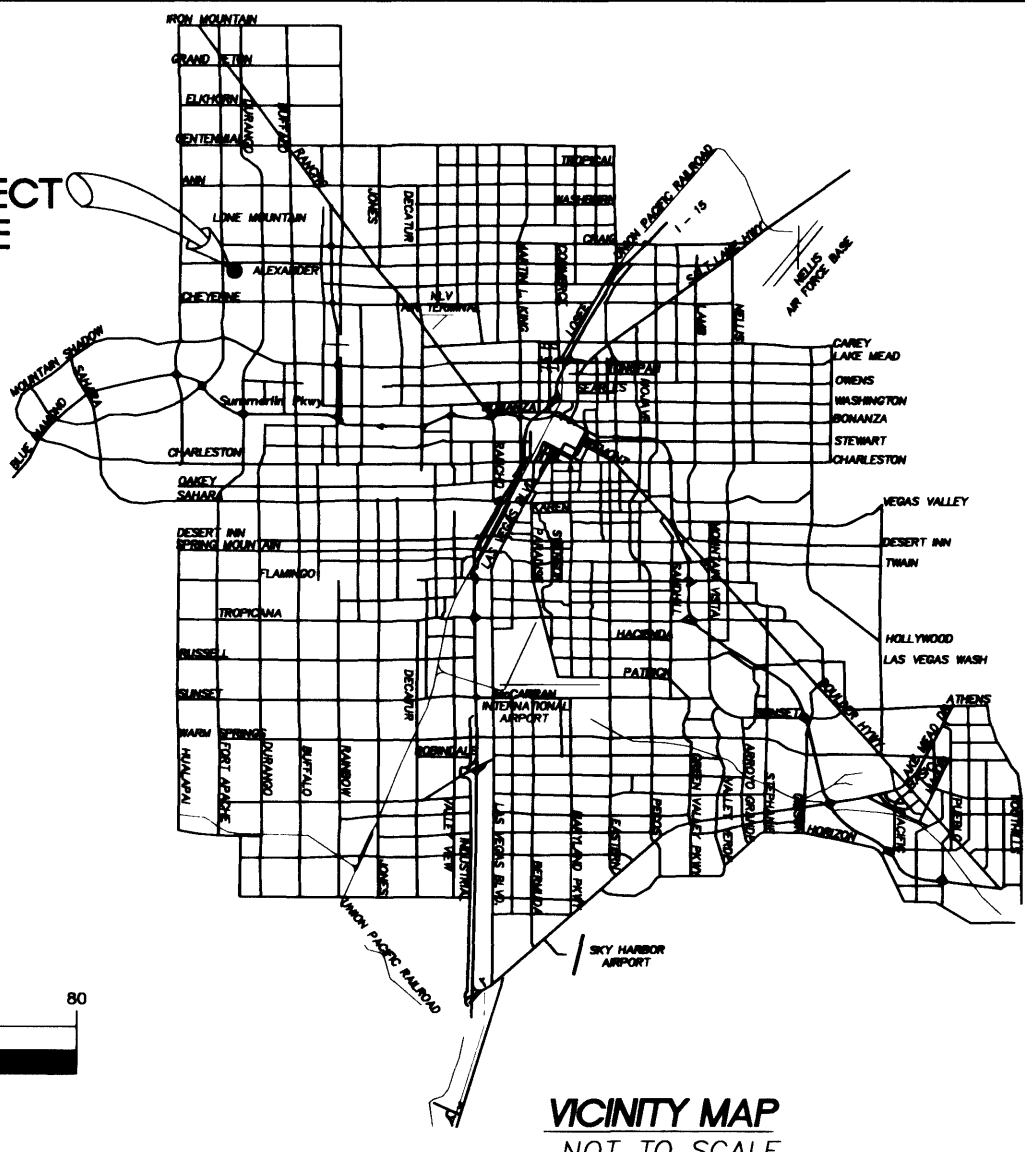
NOTE:
ALL ON-SITE STREETS ARE PUBLIC STREETS AND PUBLIC UTILITY EASEMENTS.

H.C. RAMP DATA
PER STANDARD DRAWING: 235

NO.	"A"	"B"	CASE
A	8.0'	8.0'	I
B	4.5'	12.0'	I
C	8.0'	8.0'	I
D			
E			
F			



PROJECT SITE



LEGEND

- PROPERTY LINE / RIGHT-OF-WAY
- "L" TYPE CURB AND GUTTER
- "A" TYPE CURB
- EXISTING CURB AND GUTTER
- PROPOSED WATER LINE (SIZE AS SHOWN)
- PROPOSED SEWER LINE (SIZE AS SHOWN)
- EXISTING UTILITY (AS SHOWN)
- CROSS GUTTER
- WHEELCHAIR RAMP
- CUT OR FILL SLOPE
- PROPOSED PAVEMENT AREA
- PROPOSED ELEVATION (DESCRIPTION AS SHOWN)
- EXISTING ELEVATION (DESCRIPTION AS SHOWN)
- EXISTING DESIGN ELEVATION (DESCRIPTION AS SHOWN)
- DETAIL OF SECTION NUMBER SHEET DETAIL IS SHOWN
- PHASE LINE
- BLOCK WALL
- RETAINING WALL
- LOT NUMBER
- FINISHED FLOOR ELEVATION
- PAD ELEVATION
- EXISTING PAVEMENT TO BE REMOVED AND REPLACED

SOILS REPORT

GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
1500 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL (702) 365-1001
PROJECT NUMBER:

BENCHMARK

CITY OF LAS VEGAS BENCHMARK - NO.18 1LV00-45ES
RIVET AND SQUARE ALUMINUM PLATE FOR 4" CURB,
NORTHWEST RETURN OF ALEXANDER ROAD AND BUFFALO DRIVE

ELEVATION = 713.8497 METERS (NAV88) ELEVATION = 2342.0267 FEET (NAV88)

BASIS OF BEARING

S 89°11'26" W BEING THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 9, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN BOOK 89, PAGE 68 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

EARTHWORK QUANTITIES

TOTAL CUT = 6,254 CY
TOTAL FILL = 3,861 CY
THESE FIGURES ARE FOR PERMIT PURPOSES ONLY AND ARE NOT INTENDED FOR BIDDING OR CONTRACT AMOUNTS. NUMBERS ARE RAW AND UNADJUSTED.

GRADING NOTES

- TETRA TECH SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFICE OWNER AND GIVEN TO CITY LAS VEGAS PUBLIC WORKS.
- FOR AREAS THAT ARE FLATTER THAN 2:1 SLOPE, OR LESS THAN 1" ELEVATION DIFFERENCE, SCARPS ARE NOT SHOWN ON PLAN FOR CLARITY PURPOSES.
- ALL SLOPE AREAS SHALL HAVE A MINIMUM ONE FOOT SHOULDER NEXT TO WALL PRIOR TO STARTING SLOPE.
- PAD SECTION SHOWN ON PLANS IS FOR REFERENCE ONLY. FOR ACTUAL SECTION, REFER TO GEOTECHNICAL REPORT FOR SOILS ENGINEERS' RECOMMENDATION.
- ALL SIDEWALK INSTALLATIONS SHALL CONFORM TO ADA REQUIREMENTS.

CONSTRUCTION NOTES

- CONSTRUCT 2" AC PAVING OVER 6" TYPE II ON 6" TYPE I PER STD. DWG. 207
- CONSTRUCT 3" AC PAVING OVER 4" TYPE II ON 6" TYPE I BASE PER STD. DWG. 205
- CONSTRUCT 5" AC PAVING OVER 4" TYPE II ON 9" TYPE I BASE PER STD. DWG. 203
- CONSTRUCT SIDEWALK RAMP PER STD. DWG. 235
- CONSTRUCT "L" TYPE CURB AND GUTTER PER STD. DWG. 216
- CONSTRUCT CONCRETE SIDEWALK PER STD. DWG. 234
- CONSTRUCT 8" CROSS GUTTER PER STD. DWG. 228
- CONSTRUCT UNDERSIDEWALK DRAIN PER STD. DWG. 236
- CONSTRUCT 2" VALLEY GUTTER PER DETAIL H, SHEET DT1
- CONSTRUCT TYPE "CM" MODIFIED DROP INLET D=3.00', L=32', NG = 8
- CONSTRUCT 48" TYPE II MANHOLE PER STD. DWG. 405
- CONSTRUCT 24.66 LF ~ 30" CLASS III RCP STORM DRAIN @ 0.0200
- CONSTRUCT 111.33 LF ~ 36" CLASS III RCP STORM DRAIN @ 0.0200
- SAWCUT TO CLEAN EDGE, MATCH EXISTING
- TRENCH AND BACKFILL PER DCSWCS STD. SD-168 CONSTRUCT 5" AC PAVING OVER 4" TYPE II ON 9" TYPE I BASE PER STD. DWG. 203
- CONSTRUCT 21 LF ~ 24" CLASS III RCP STORM DRAIN @ 0.0100

CERTIFICATION

I HEREBY CERTIFY THAT THE GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS PUBLIC WORKS FOR THIS PROJECT.

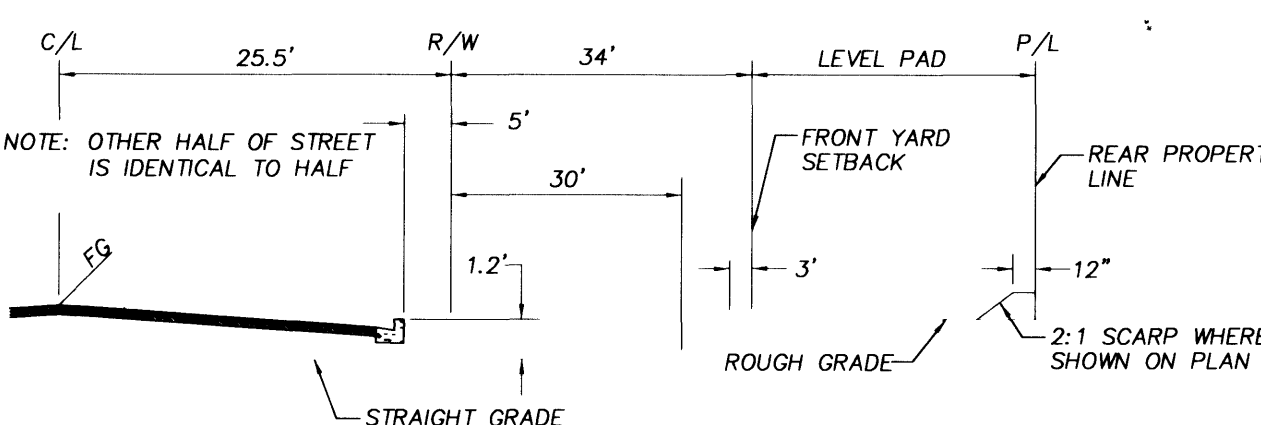
GARY S. KAZZO, P.E. #14970
DATE 6-18-02

2' OVERPAVE NOTE:

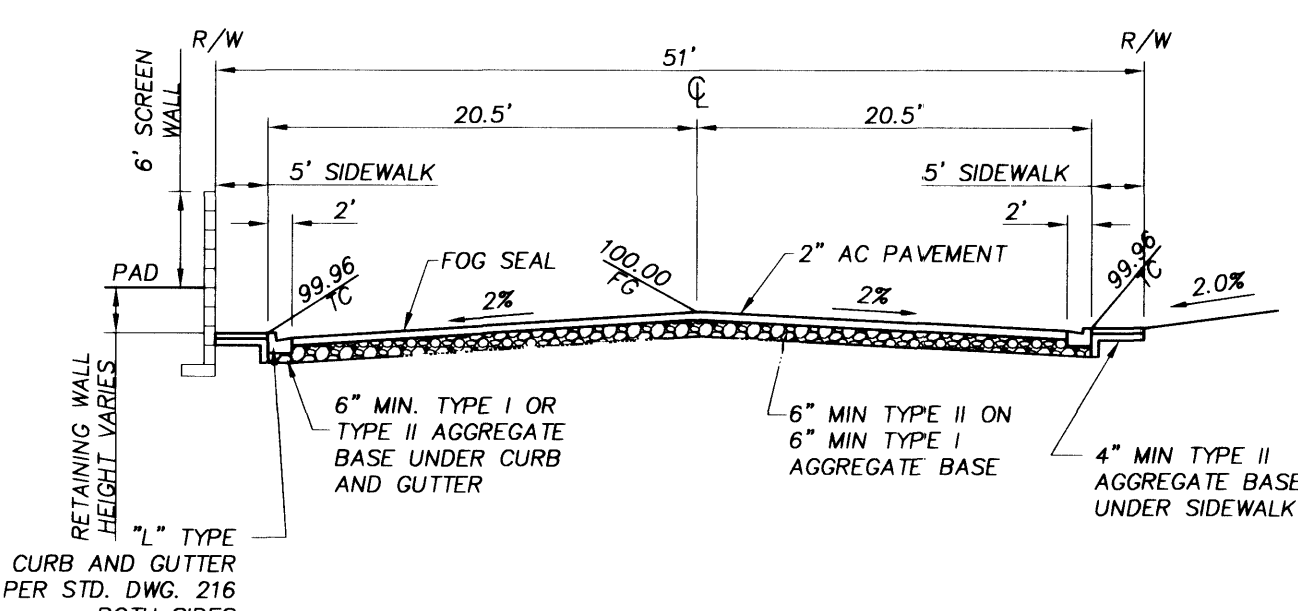
IF FULL STREET IMPROVEMENTS EXIST (CURRENTLY UNDER CONSTRUCTION), 2' OVERPAVE IS NOT NEEDED, SAWCUT AT CENTERLINE AND MATCH EXISTING IMPROVEMENTS

FLOOD CONTROL

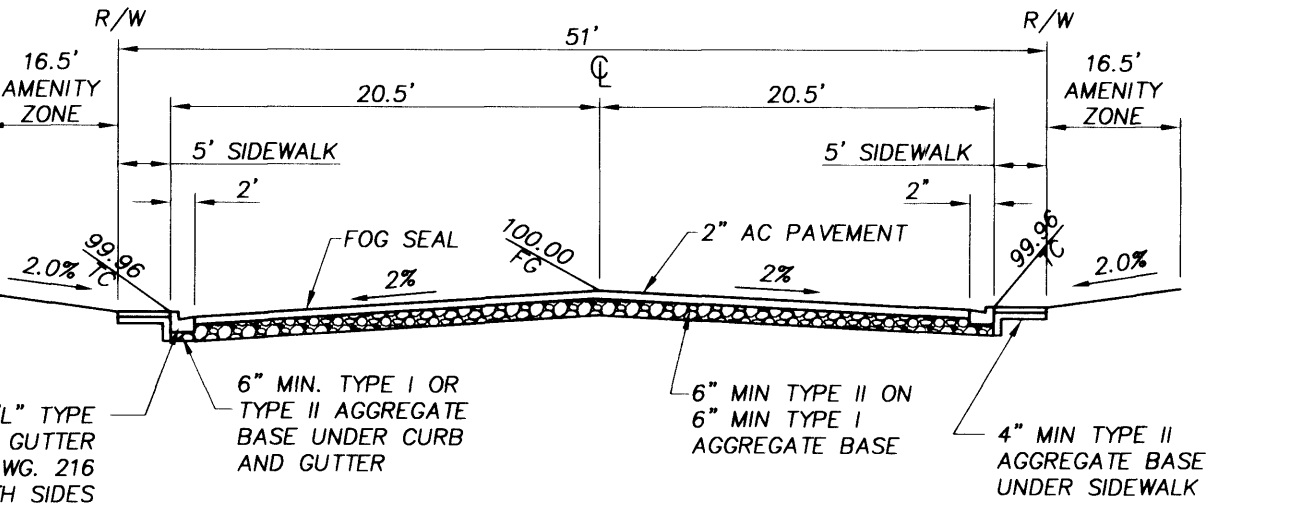
ITEM #	DESCRIPTION	QUANTITY	
		PUBLIC	PRIVATE
1	2.0' GROUDED STEM WALL	950 LF	
2	36" GROUDED PERIMETER WALL	650 LF	



5 ROUGH GRADE SECTION
PUBLIC STREET N.T.S.



4 5' STREET SECTION (INTERIOR)
PUBLIC STREET N.T.S.



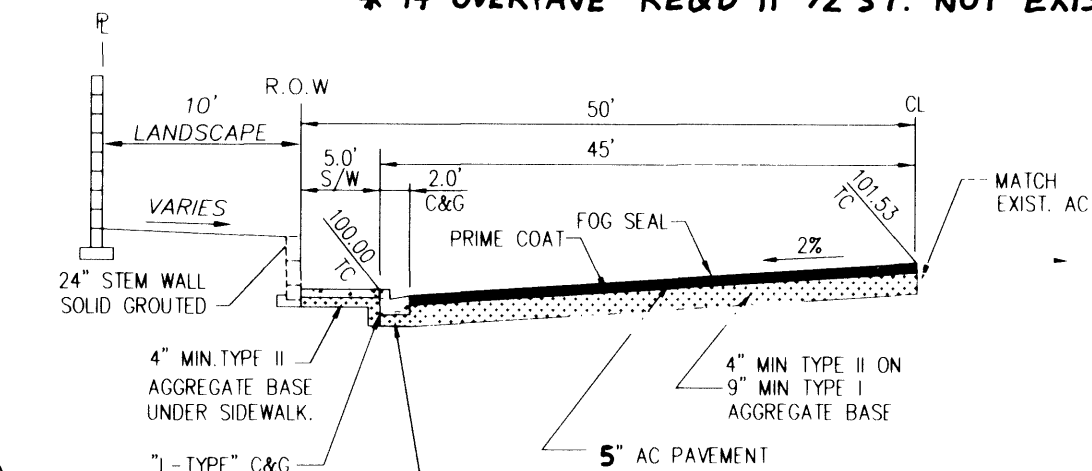
3 5' STREET SECTION (INTERIOR)
PUBLIC STREET N.T.S.

2 30.0' HALF STREET SECTION (CAMPBELL ROAD)
PUBLIC STREET N.T.S.

1 ALEXANDER RD. STA.13+43.42 TO 16+84.62
50.0' HALF STREET SECTION (ALEXANDER ROAD)
PUBLIC STREET N.T.S.

BACK OF CURB

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	47.71'	30.00'	91°06'46"	30.59'
C2	46.57'	30.00'	88°56'49"	29.45'
C3	47.68'	30.00'	91°03'11"	30.56'
C4	55.62'	35.00'	91°03'11"	35.65'
C5	26.57'	35.00'	43°29'25"	13.96'
C6	193.38'	41.00'	266°58'51"	43.75'
C7	26.57'	35.00'	43°29'25"	13.96'
C8	15.79'	35.00'	25°50'31"	8.03'
C9	137.02'	55.00'	142°44'13"	163.13'
C10	15.79'	35.00'	25°50'31"	8.03'



1 ALEXANDER RD. STA.13+43.42 TO 16+84.62
50.0' HALF STREET SECTION (ALEXANDER ROAD)
PUBLIC STREET N.T.S.

Avoid cutting underground utility lines. It's costly.
Call before you dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Avoid overhead power line contact.
Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENTAL SAFETY SERVICES DEPARTMENT

KB HOME NEVADA, INC.
750 PILOT ROAD, SUITE F
LAS VEGAS, NEVADA 89119
(702) 614-2500

TETRA TECH, INC.
INFRASTRUCTURE SOUTH WEST GROUP
401 N. Buffalo Dr. Suite 100, Las Vegas, Nevada 89145
(702) 242-4200

GRADING PLAN

GOLDRUSH V(a)
CITY OF LAS VEGAS, NEVADA

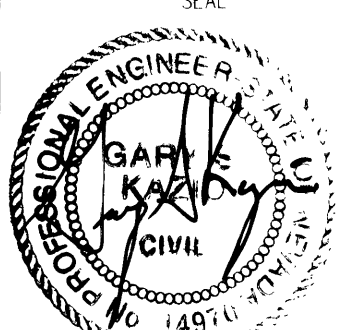
SHEET

QUALITY CONTROL BY:
DESIGNED BY:
CHECKED BY:

SCALE

PROJECT NO.

107Y-4648-5a



GR1
5 OF 13
DRAWING NO.