TOPOGRAPHIC SYMBOLS AND LINETYPES

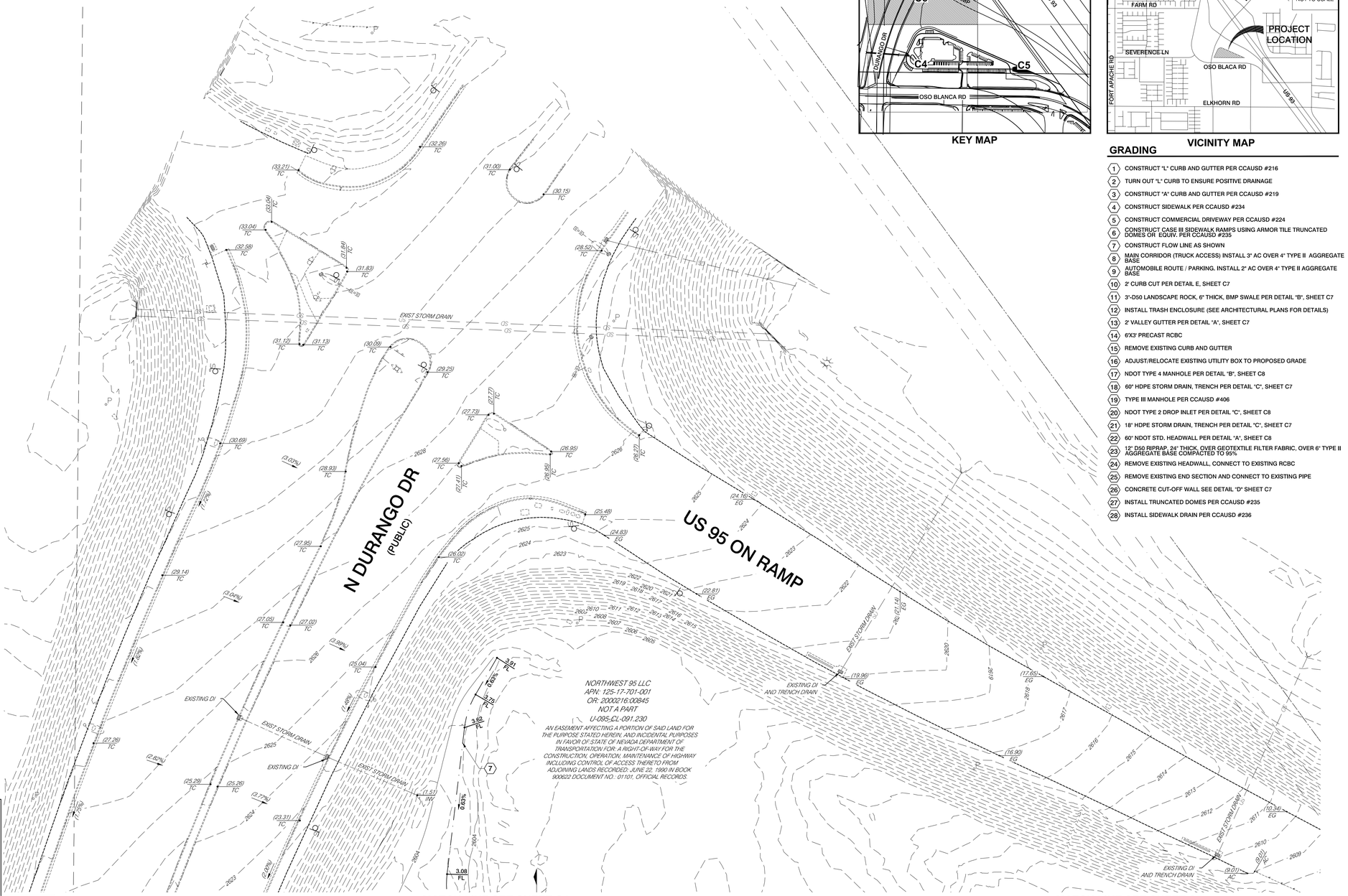
PROPERTY BOUNDARY
RIGHT-OF-WAY
PROPERTY LINE
CENTER LINE
EASEMENT
EXST "L" TYPE CURB
EXST "A" TYPE CURB
1900 EXST MAJOR CONTOUR LINE
1901 EXST MINOR CONTOUR LINE
EXST SCREEN WALL AS INDICATED
EXST EDGE OF PAVEMENT
EXST EDGE OF SIDEWALK
UGP EXST UNDERGROUND POWER
FO EXST FIBER OPTICS
G EXST GAS
W EXST WATER LINE
SS EXST SEWER LINE
SD EXST STORM DRAIN

EXISTING	PROPOSED	
		METER
		FIRE HYDRANT
		VALVE
		BLOWOFF VALVE
		AIR RELEASE VALVE
		BACKFLOW PREVENTER
		SWR MANHOLE
		SEWER CLEANOUT
		STORM MANHOLE
		TELEPHONE BOX
		TELEPHONE MANHOLE
		FIBER BOX
		CABLE TV BOX
		ELECTRICAL MANHOLE
		STREET LIGHT BOX
		POWER POLE
		SERVICE POLE
		GUY WIRE
		TRANSFORMER
		STREET LIGHT CABINET
		STREET LIGHT
		TRAFFIC SIGNAL
		TRAFFIC SIGNAL BOX
		AREA LIGHT

"L" TYPE CURB
"A" TYPE CURB
EDGE OF SIDEWALK
CHAIN LINK FENCE
WROUGHT IRON FENCE
SWALE FLOW LINE
SAWCUT

LEGEND

EXISTING		PROPOSED	
(00.00) TC	TOP BACK CURB	00.00 TC	TOP BACK CURB
(00.00) EG	EXISTING GROUND	00.00 FG	FINISH GRADE
(00.00) EP	EDGE OF PAVEMENT	00.00 EP	EDGE OF PAVEMENT
(00.00) FL	FLOW LINE	00.00 FL	FLOW LINE
(00.00) AC	ASPHALT CONCRETE	00.00 AC	ASPHALT CONCRETE
(00.00) TRW	TOP OF RET. WALL	00.00 TRW	TOP OF RET. WALL
(00.00) TF	TOP OF FOOTER	00.00 TF	TOP OF FOOTER
		00.00 HP	HIGH POINT
		00.00 GB	GRADE BREAK



MATCH LINE SEE SHEET C4

MATCH LINE SEE SHEET C5

KEY MAP

VICINITY MAP

GRADING

1. CONSTRUCT "L" CURB AND GUTTER PER CCAUSD #216
2. TURN OUT "L" CURB TO ENSURE POSITIVE DRAINAGE
3. CONSTRUCT "A" CURB AND GUTTER PER CCAUSD #219
4. CONSTRUCT SIDEWALK PER CCAUSD #234
5. CONSTRUCT COMMERCIAL DRIVEWAY PER CCAUSD #224
6. CONSTRUCT CASE III SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOMES OR EQUIV. PER CCAUSD #235
7. CONSTRUCT FLOW LINE AS SHOWN
8. MAIN CORRIDOR (TRUCK ACCESS) INSTALL 3" AC OVER 4" TYPE II AGGREGATE BASE
9. AUTOMOBILE ROUTE / PARKING. INSTALL 2" AC OVER 4" TYPE II AGGREGATE BASE
10. 2' CURB CUT PER DETAIL E, SHEET C7
11. 3"-D50 LANDSCAPE ROCK, 6" THICK, BMP SWALE PER DETAIL "B", SHEET C7
12. INSTALL TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS FOR DETAILS)
13. 2' VALLEY GUTTER PER DETAIL "A", SHEET C7
14. 6'X3' PRECAST RCBC
15. REMOVE EXISTING CURB AND GUTTER
16. ADJUST/RELOCATE EXISTING UTILITY BOX TO PROPOSED GRADE
17. NDOT TYPE 4 MANHOLE PER DETAIL "B", SHEET C8
18. 60" HDPE STORM DRAIN, TRENCH PER DETAIL "C", SHEET C7
19. TYPE III MANHOLE PER CCAUSD #406
20. NDOT TYPE 2 DROP INLET PER DETAIL "C", SHEET C8
21. 18" HDPE STORM DRAIN, TRENCH PER DETAIL "C", SHEET C7
22. 60" NDOT STD. HEADWALL PER DETAIL "A", SHEET C8
23. 12" D50 RIPRAP, 24" THICK, OVER GEOTEXTILE FILTER FABRIC, OVER 6" TYPE II AGGREGATE BASE COMPACTED TO 95%
24. REMOVE EXISTING HEADWALL, CONNECT TO EXISTING RCBC
25. REMOVE EXISTING END SECTION AND CONNECT TO EXISTING PIPE
26. CONCRETE CUT-OFF WALL SEE DETAIL "D" SHEET C7
27. INSTALL TRUNCATED DOMES PER CCAUSD #235
28. INSTALL SIDEWALK DRAIN PER CCAUSD #236

NOTES

1. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING STRUCTURES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED, DESTROYED OR OBSCURED DURING CONSTRUCTION.

DISCLAIMER NOTE:

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 IN THEIR PROPER LOCATION.

FLOOD ZONE

THIS SITE IS LOCATED IN ZONE 'X', AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN, PER THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL XXXXXXXXXXX E. CLARK COUNTY, NEVADA DATED MONTH XX, XXXXXX.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL STATION "SLV90175S6", RIVET AND PLATE IN THE TOP OF CURB AT THE NW CORNER OF OSO BLANCA RD. AND DURANGO.

ELEVATION = 798.433 METERS
ELEVATION = 2619.53 FEET (U.S. SURVEY FEET)(NAVD88)

BASIS OF BEARING

SOUTH 89°20'04" EAST, BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 197, PAGE 99 OF SURVEYS, OFFICIAL RECORDS, CLARK COUNTY, NEVADA.

SCALE: 1" = 30'
30 15 0 30

EARTHWORKS

CUT= 1,021 CY
FILL= 27,506 CY
NET= 26,485 CY CUT

SITE DATA

APN No.	ACREAGE:	ZONING
125-17-701-001	15.78	TC

DATUM

THIS NOTE IS FOR ALL GRADING ELEVATIONS SHOWN HEREON WITH EXCEPTION TO CONTOUR ELEVATIONS, FINISHED FLOORS, AND PAD ELEVATIONS UNLESS OTHERWISE NOTED.

ADD 2500.00 TO ELEVATIONS SHOWN HEREON TO ADJUST THEM TO THE ASSOCIATED DATUM.

DRAINAGE CERTIFICATION

I CERTIFY THAT THIS GRADING PLAN CONFORMS TO THE APPROVED DRAINAGE STUDY CLV # XXXXXXX FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT.

ERIC J. RIETZ, P.E. No. 16350 — 6/28/2017 DATE

DESCRIPTION | REV. | DATE

RIETZ CONSULTING INC.
3060 E. POST ROAD, #110
LAS VEGAS, NEVADA 89120
PH: 702.521.3355
FX: 702.891.5397

GRADING PLAN 3

CAPROCK HOSPITAL, NW LAS VEGAS
CITY OF LAS VEGAS, NEVADA
APN # 125-17-701-001

DATE:	6/28/2017
DRAFTER:	BGF
CHECKED:	EJR
SCALE:	1" = 30'

PROFESSIONAL ENGINEER STATE OF NEVADA
ERIC RIETZ
Exp. 12/31/17
CIVIL
No.16350
6/28/2017

SHEET
C6
SHEET 4 OF 9 SHEETS

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P:\CSG BLANCA\C3D\SHEETS\4 GRADING.dwg - 6/28/2017 10:05 AM