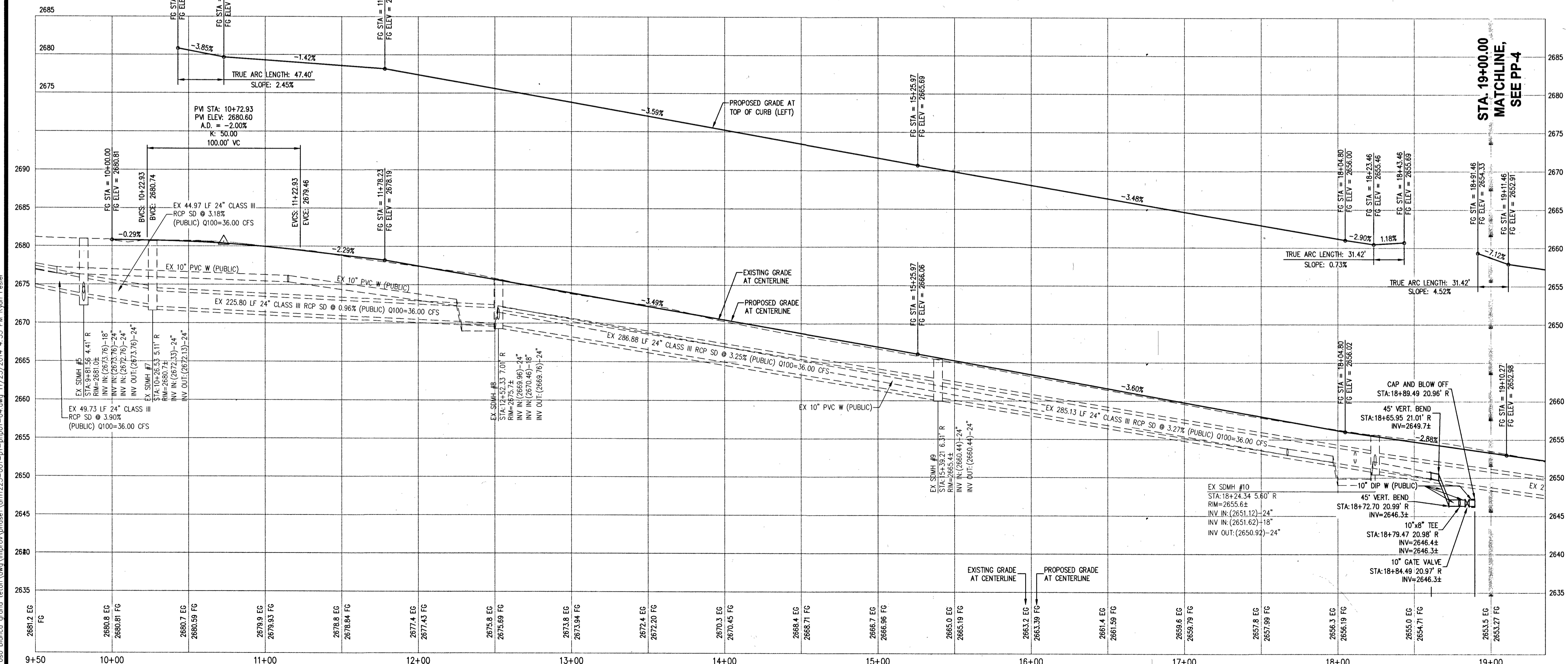


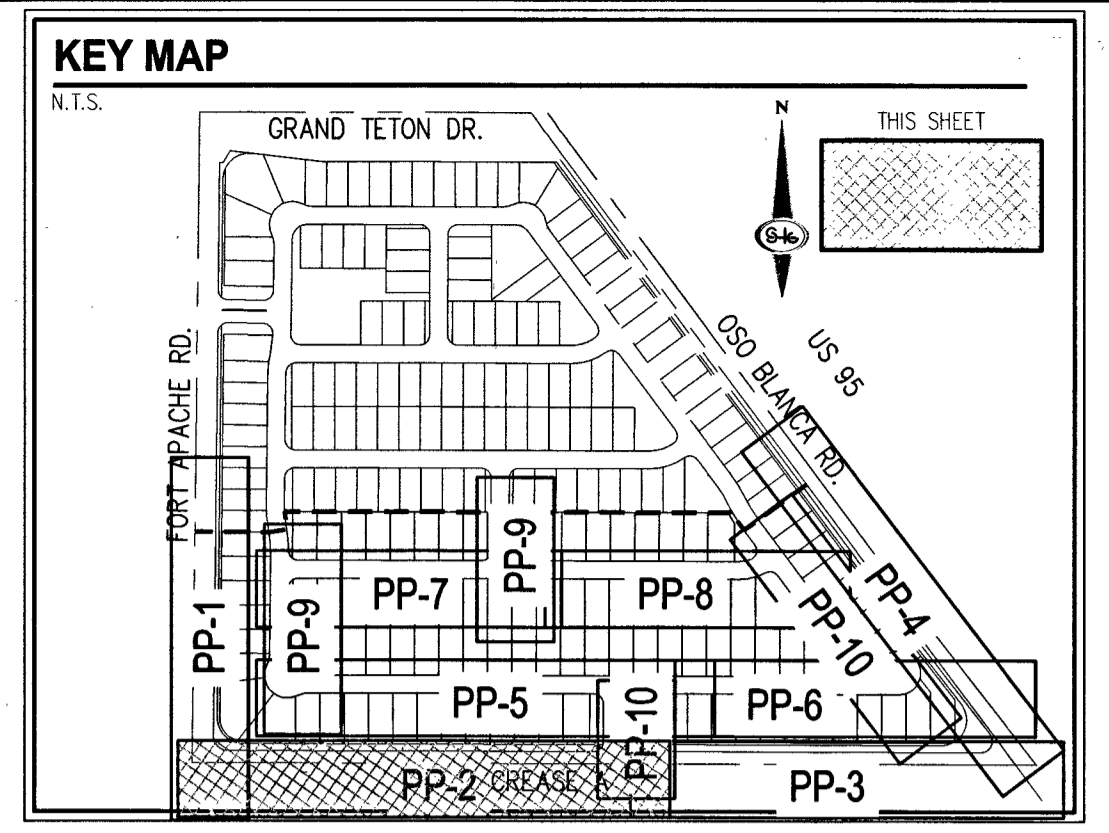
GILCREASE AVENUE - PLAN VIEW

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	47.40'	30.00'	90°31'40"	30.28'
C2	31.42'	20.00'	90°00'00"	20.00'
C3	31.42'	20.00'	90°00'00"	20.00'



GILCREASE AVENUE - PROFILE VIEW
 HORIZONTAL SCALE: 1"=40'
 VERTICAL SCALE: 1"=8'



- GRADING CONSTRUCTION NOTES**
- CONSTRUCT 1" TYPE CURB & GUTTER PER CCAUSD # 216
 - CONSTRUCT "A" TYPE CURB PER CCAUSD # 219
 - CONSTRUCT 8" CROSS GUTTER PER CCAUSD # 228
 - CONSTRUCT 4" WIDE SIDEWALK PER CCAUSD # 234
 - CONSTRUCT 5" WIDE SIDEWALK PER CCAUSD # 234
 - CONSTRUCT 6" WIDE SIDEWALK PER CCAUSD # 234
 - CONSTRUCT 7" WIDE SIDEWALK PER CCAUSD # 234
 - CONSTRUCT CASE I SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD # 235
 - CONSTRUCT CASE II SIDEWALK RAMP USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD # 235
 - CONSTRUCT SIDEWALK DRAIN PER CCAUSD # 236
 - CONSTRUCT RESIDENTIAL DRIVEWAY PER CCAUSD # 223
 - CONSTRUCT 2.5" AC OVER 4" TYPE II, SEE SOILS REPORT FOR COMPACTION
 - CONSTRUCT 4" AC OVER 4.5" TYPE II, SEE SOILS REPORT FOR COMPACTION
 - SAW-CUT EX. AC PAVING & MATCH EXISTING ELEVATIONS
 - ADJUST EX. SDMH/SSMH TO NEW FINISH GRADE PER DCSWCS SD-4 & SD-5
 - ADJUST EX. UTILITY VAULT MANHOLE TO NEW FINISH GRADE
 - ADJUST EX. WATER VALVE BOX TO NEW FINISH GRADE PER UDACS STD. P.L.T. NO. 39. VALVE SHALL BE ACCESSIBLE AT ALL TIMES
 - REMOVE EX. ABANDONED WOODEN TELEPHONE POLE
 - CONSTRUCT 60" TYPE I SDMH PER CCAUSD #403 & 405
 - CONSTRUCT SIDEWALK TREATMENT PER TOWN CENTER DEVELOPMENT STANDARDS PD-007-05-2003RS, FIGURE 14
 - CONSTRUCT NDOT TYPE 3 DROP INLET PER DETAILS ON SHEET D-3 & PER CCAUSD 421
 - CONSTRUCT 10" TYPE CM DROP INLET W/ 3 GRATES PER CCAUSD #412.1 & 421
 - CONSTRUCT 15" TYPE CM DROP INLET W/ 5 GRATES PER CCAUSD #412.1 & 421.
 - CONSTRUCT 20" TYPE CM DROP INLET W/ 7 GRATES PER CCAUSD #412.1 & 421
 - CONSTRUCT AS MONOPOUR TO BE WATERTIGHT PER NOTES ON SHEET G-4
 - CONSTRUCT 25" TYPE CM DROP INLET W/ 9 GRATES PER CCAUSD #412.1 & 421.
 - CONSTRUCT 48" TYPE II SDMH PER CCAUSD #401 & 405
 - CONSTRUCT 60" TYPE III SDMH PER CCAUSD #401 & 406
 - INSTALL 18" CLASS III RCP SD (PUBLIC)
 - INSTALL 24" CLASS III RCP SD (PUBLIC)
 - INSTALL 30" CLASS III RCP SD (PUBLIC)
 - INSTALL 36" CLASS III RCP SD (PUBLIC)
 - CONSTRUCT 5" TYPE CM DROP INLET W/ 1 GRATE PER CCAUSD #412.1 & 421
 - INSTALL 6" D50= RCP-RAP WITH FILTER FABRIC, T=12"
 - INSTALL 36" C-905 WATER QUALITY PIPE PER UDACS SECTION 2.22.02-D(2)
 - REMOVE EX. SIGN
 - RELOCATE EX. SIGN, SEE TRAFFIC PLAN FOR DETAILS
 - REMOVE EX. AC PAVEMENT
 - CONSTRUCT NDOT TYPE 2 MANHOLE, SEE DETAIL ON SHEET D-3.
 - INSTALL 18" STORM DRAIN C-905 QUALITY PIPE (PUBLIC) PER UDACS SECTION 2.22.02-3A
 - ADJUST EXISTING 5" BLOW OFF TO FINISHED GRADE PER UDACS P.L.T. NO. 37 & 39
 - RELOCATE EXISTING 6" AWAIR TO BACK OF SIDEWALK PER UDACS P.L.T. NO. 38
 - CAST-IN-PLACE MONOLITHIC POUR WITH WATERSTOP BETWEEN SLAB AND WALLS. BASE, WALLS AND TOP TO BE CONSTRUCTED WITH WATERSTOP, CENTER BULB, OR FLAT STRIP (VINYLEX, GREENSTREAK PLASTIC PRODUCTS OR APPROVED EQUAL)
 - INSTALL 18" C905 WATER QUALITY STORM DRAIN.

- LEGEND**
- BOUNDARY/PROPERTY LINE
 - STREET CENTERLINE
 - RIGHT OF WAY
 - PROPOSED 5' CONTOUR
 - PROPOSED 1' CONTOUR
 - EXISTING 5' CONTOUR
 - EXISTING 1' CONTOUR
 - PROPOSED TOP OF CURB
 - PROPOSED AC ELEV.
 - PROPOSED FLOW LINE ELEV.
 - PROPOSED FINISH GRADE ELEV.
 - PROPOSED TOP GRADE ELEV.
 - EXISTING TOP OF CURB ELEV.
 - EXISTING GROUND ELEVATION
 - PAD ELEVATION
 - FINISH FLOOR ELEVATION
 - DECORATIVE SCREEN WALL
 - DECORATIVE RETAINING WALL
 - RETAINING WALL
 - 6" WROUGHT IRON FENCE
 - EDGE OF PAVEMENT
 - EX. EDGE OF PAVEMENT
 - SAW-CUT LINE
 - SWALE
 - PHASE LINE
 - MATCHLINE
 - EXISTING PAVEMENT TO BE REMOVED

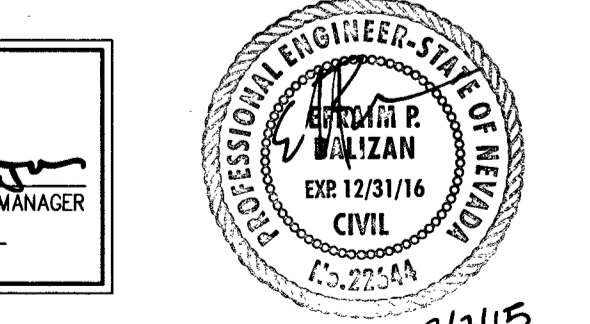
BENCHMARK
 BENCHMARK NUMBER: 6L950 17NWS
 RIVET AND PLATE IN TOP OF CURB AT SW CORNER GILCREASE AVENUE AND OSO BLANCA ROAD (W FRONTAGE ROAD)
 ELEVATION = 2631.88 FEET, 802.1998 METERS, N.A.V.D. 88 DATUM

BASIS OF BEARINGS
 SOUTH 89°53'28" EAST, BEING THE BEARING OF THE NORTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN FILE 114, PAGE 57 OF SURVEYS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

FEMA FLOOD ZONE DESIGNATION
 THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE X (AREA OUTSIDE THE 500-YEAR FLOOD PLAIN), PER FIRM PANEL 32003C1745E, DATED SEPTEMBER 27, 2002.

FLOOD CERTIFICATION
 I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED TECHNICAL DRAINAGE STUDY DS-4578 ON FILE AT CITY OF LAS VEGAS FOR THE SUBJECT PROJECT.
 EFRAM BAZZAN, P.E. 22644 DATE 11/25/14

APPROVED FOR CONSTRUCTION
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
 DATE 12/11/14 PROJECT NO. 121687



Call before you Dig
 1-702-455-6000
 CLARK COUNTY TRAFFIC OPERATIONS
 1-702-432-5300
 FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Dig
 1-800-227-2600
 CALL BEFORE YOU DIG OVERHEAD
 1-702-227-2929

SLATER HANIFAN GROUP
 CONSULTING ENGINEERS & PLANNERS
 5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118
 PHONE (702) 284-5300 FAX (702) 284-5399

D.R. HORTON
 OSO BLANCA & GRAND TETON PHASE I
 GILCREASE AVENUE PLAN & PROFILE I

DATE: 11/25/2014
 DRAFTER: JDA
 DESIGNER: JDA
 CHECKED: DJP
 PROJECT NO. DRH1225-001
 SHEET 12 OF 33
 H# 50765
 CL# 107Y5016-1