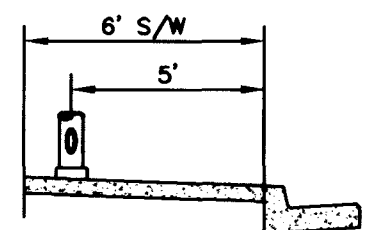


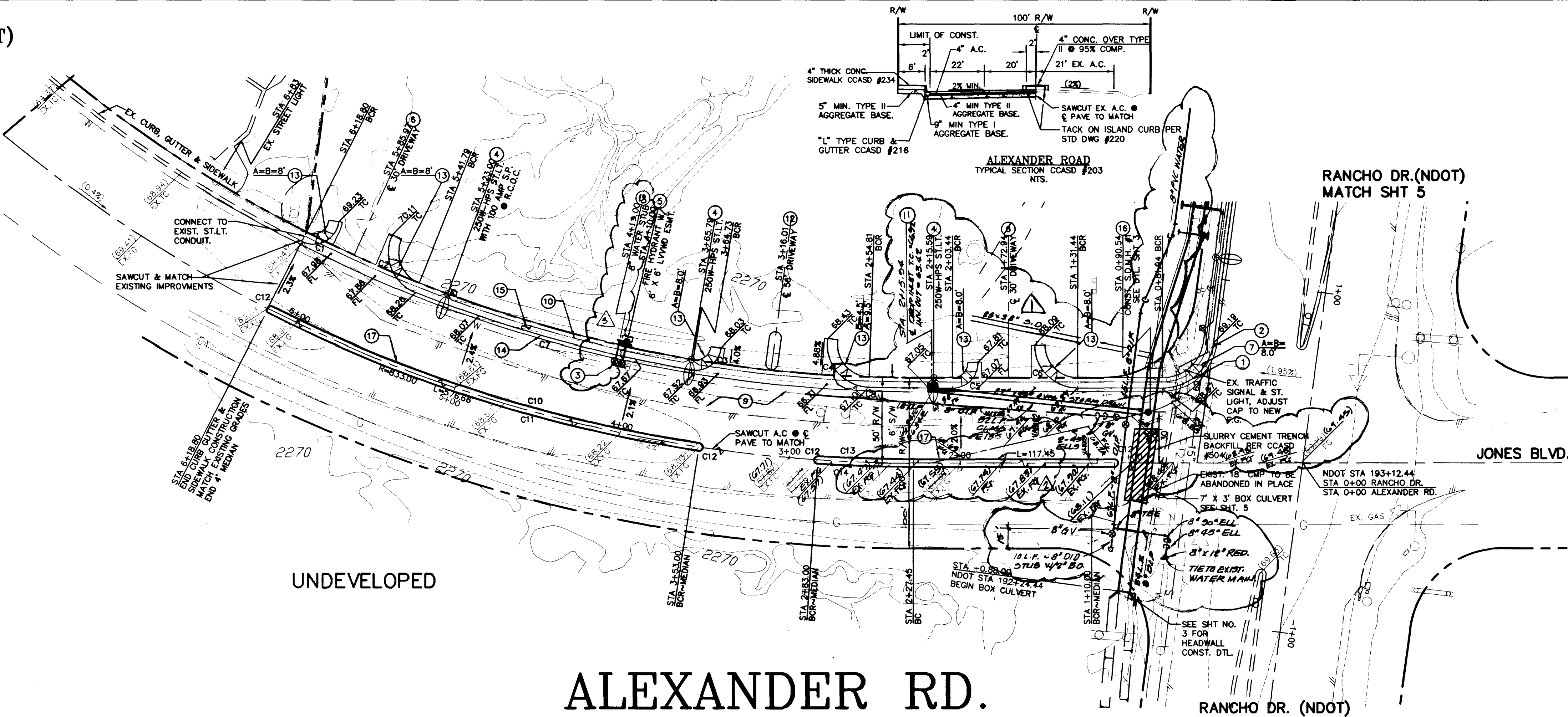
CONSTRUCTION NOTES & QUANTITIES (THIS SHEET)

1. NDOT TYPE 5 CURB & GUTTER R-5.1.1 (613) 43.15 LF.
2. 4" PCC SIDEWALK PER NDOT R-5.1.1 (613) 216 SF.
3. 8" X 8" MECH JOINT TEE W/ 8" TAPPING VALVE 1 EA.
4. 250W-HPS STREET LIGHT 3 EA.
5. INSTALL FIRE HYDRANT ASSY. PER CCASD #516 1 EA.
6. COMMERCIAL DRIVEWAY PER CCASD #222A 2 EA.
7. W/8" WIDE CROSS GUTTER PER CCASD #228 1 EA.
8. CONSTRUCT SIDEWALK HANDICAP RAMP PER NDOT STD. 4-5.1.2 (613) TYPE "D" 1 EA.
9. ALEXANDER ROAD P.V.M.T. SECTION PER CCASD #203 1774 SY.
10. 1-1/4" PVC ELEC. CONDUIT 580 LF.
11. CONSTRUCT TYPE "A" D.I. PER CCASD #211 & #215 1 EA.
12. 56" COMMERCIAL DRIVEWAY W/8" WIDE CENTER ISLAND PER CCASD #225 W/8" WIDE CROSS GUTTER PER CCASD #228 1 EA.
13. CONSTRUCT SIDEWALK RAMP PER CCASD #235, CASE 1 6 EA.
14. 2' L" TYPE CURB AND GUTTER PER CCASD #216 432 LF.
15. 4" THICK CONCRETE SIDEWALK PER CCASD #234 2620 SF.
16. STORM DRAIN M.H. 1 EA.
17. ISLAND CURB, PER CCASD #220 921 LF.
18. 8" PVC WATER STUB 14 LF.



TYPICAL STREET LIGHT LOCATION:

STREET LIGHT NOTE:
ALL HAND HOLE COVERS MUST BE INSTALLED, POLE CAPS POURED, AND PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.



LEGEND

- EXISTING SEWER LINE AND MANHOLE
- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED SEWER LINE AND MANHOLE
- LOT NUMBER
- BLOCK NUMBER
- RIGHT OF WAY
- GRADE BREAK
- RATE OF GRADE AND DIRECTION OF SLOPE (APPLIES TO BOTH STREET AND SEWER UNLESS OTHERWISE INDICATED)
- EXISTING GROUND CONTOUR LINE
- FENCE
- PROPOSED / EXISTING STREET LIGHT
- PROPOSED / EXISTING FIRE HYDRANT
- PROPOSED / EXISTING WATER VALVE
- TOP OF CURB
- FLOW LINE
- CENTER LINE
- ST. LT. SERVICE POINT & R.C.O.C.

NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT ENGINEER TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY.

NOTE:

APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE.

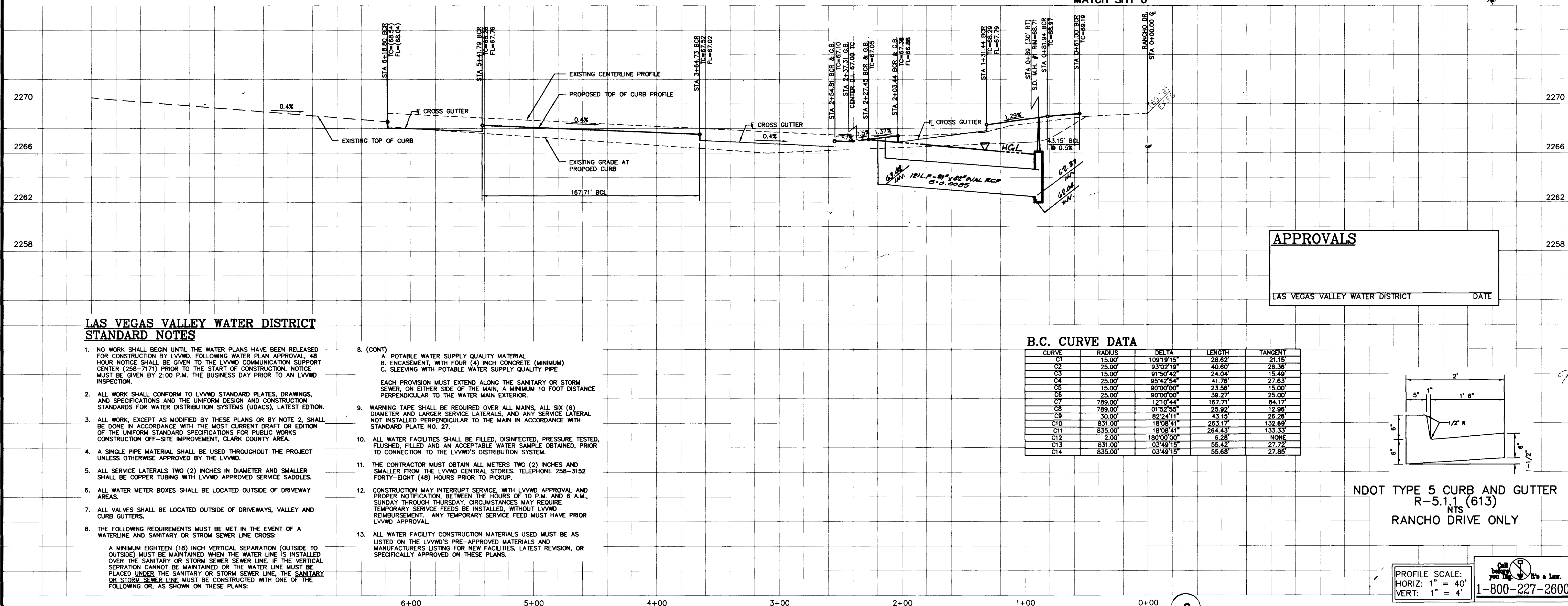
BENCHMARK

#700012NES, RIVER & PLATE IN TOP OF HEADWALL NORTH SIDE OF RANCHO ROAD AT JONES BLVD. ELEV. USED WAS 2263.18 ADD 2.30 FEET TO ALL ELEVATIONS SHOWN HEREON TO OBTAIN ELEVATION RELATIVE TO CURRENT CITY OF LAS VEGAS DATUM (NAVD 88)

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

ALEXANDER RD.



APPROVALS

LAS VEGAS VALLEY WATER DISTRICT DATE

B.C. CURVE DATA

CURVE	RADIUS	DELTA	LENGTH	TANGENT
C1	15.00	109°19'15"	28.62	21.15
C2	25.00	93°02'19"	40.80	26.36
C3	15.00	91°50'42"	24.04	15.49
C4	25.00	95°42'54"	41.76	27.63
C5	15.00	90°00'00"	23.56	15.00
C6	25.00	90°00'00"	39.27	25.00
C7	789.00	121°0'44"	167.71	84.17
C8	789.00	07°52'55"	25.92	12.96
C9	30.00	82°24'11"	43.15	26.26
C10	831.00	18°08'41"	263.17	132.69
C11	835.00	18°08'41"	264.43	133.33
C12	2.00	180°00'00"	6.28	NONE
C13	831.00	03°48'15"	55.42	27.72
C14	835.00	03°48'15"	55.68	27.85

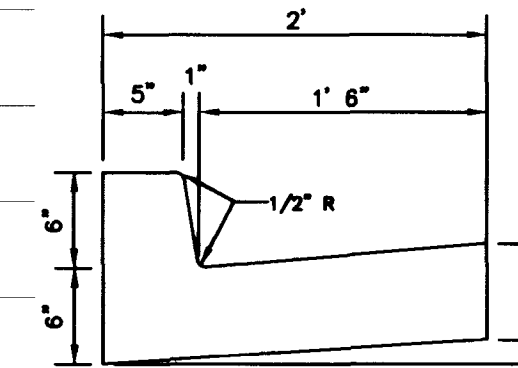
LAS VEGAS VALLEY WATER DISTRICT STANDARD NOTES

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATIONS SUPPORT CENTER (258-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO AN LVVWD INSPECTION.
2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT OF A WATERLINE AND SANITARY OR STORM SEWER LINE CROSS:

A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:

B. (CONT)

- A. POTABLE WATER SUPPLY QUALITY MATERIAL
 - B. ENCASUREMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
 - C. SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE
- EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.
9. WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
 10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
 11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM THE LVVWD CENTRAL STORES. TELEPHONE 258-3152 FORTY-FOUR (48) HOURS PRIOR TO PICKUP.
 12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 P.M. AND 6 A.M., SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEES BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEES MUST HAVE PRIOR LVVWD APPROVAL.
 13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.



NDOT TYPE 5 CURB AND GUTTER R-5.1.1 (613) NTS RANCHO DRIVE ONLY

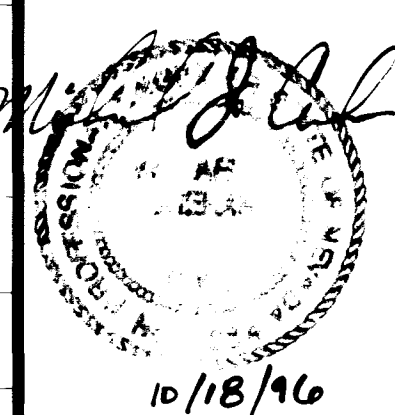
PROFILE SCALE:
HORIZ: 1" = 40'
VERT: 1" = 4'

1-800-227-2600

Standage & Truitt Engineering, Ltd.

CIVIL ENGINEERING AND SURVEYING
6855 W. CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89117
PHONE: (702) 255-2950
FAX: (702) 255-3090

ALEXANDER ROAD
IMPROVEMENT PLAN SW OF RANCHO DR
RANCHO TOWN & COUNTY SHOPPING CENTER
CITY OF LAS VEGAS, NEVADA



JOB NO.: 960208.03
FILE: 6208PPA
DESIGNER: PDS
DRAWN BY: ANR
CHECKED BY: MJC
DATE: 8/19/96

SHEET NO.
7 OF 7

107-V2598

