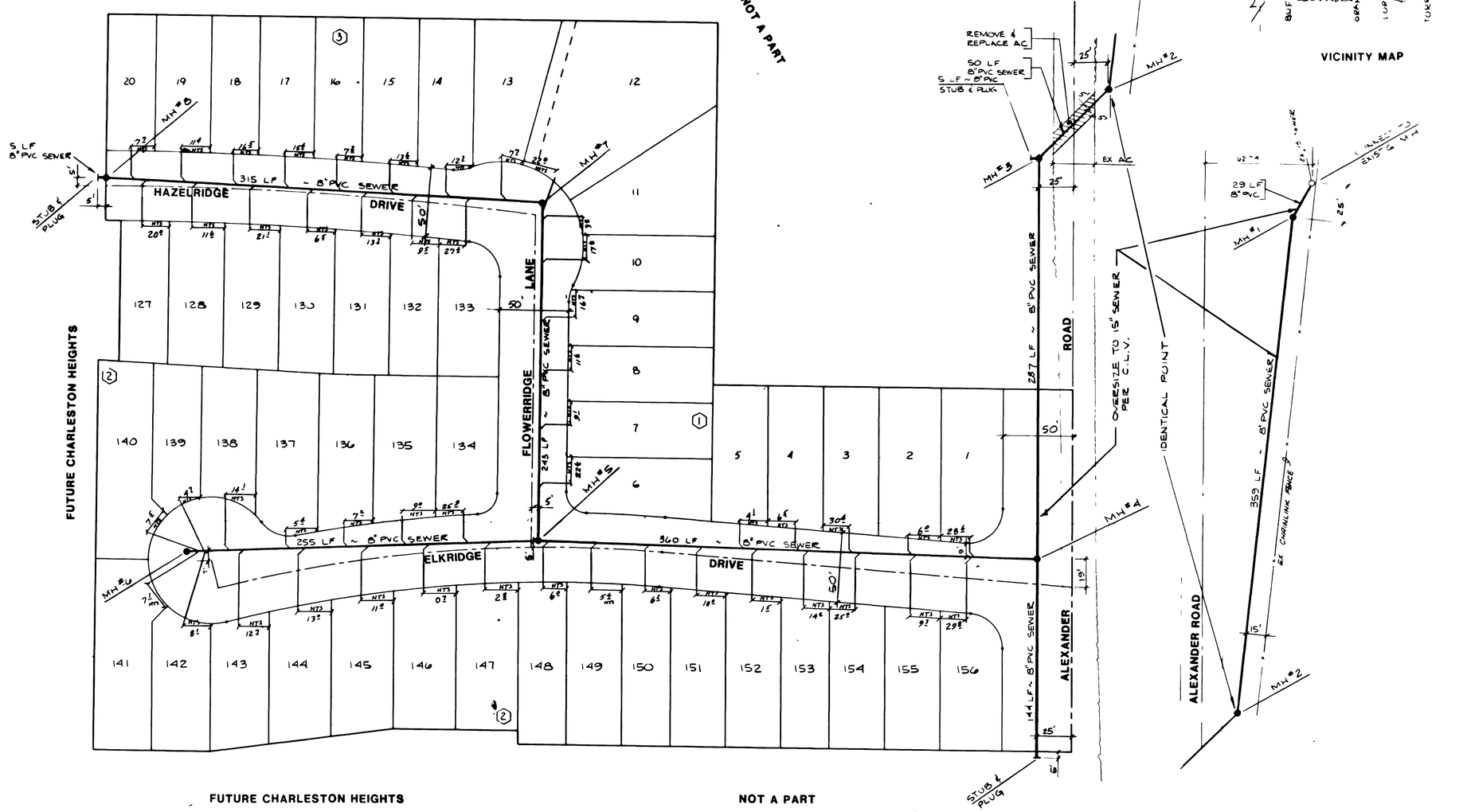
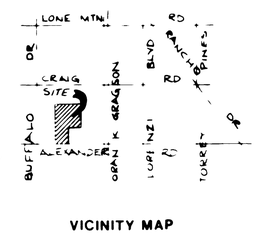
# SEWER LATERAL AS-BUILTS

N
1"=40'




FUTURE CHARLESTON HEIGHTS NOT A PART

## SEWER LATERAL "AS-BUILT" CERTIFICATION

GENE D. KRAMETBAUER, P.L.S.
NEVADA CERT. NO. 8201

5/2/90

## MANHOLE COORDINATES

| NO. | NORTH | EAST |
|---|---|---|
| 2 | 4970.46 | 5775.87 |
| 3 | 5020.46 | 5775.17 |
| 4 | 5022.45 | 5439.17 |
| 5 | 5383.33 | 5452.16 |
| 6 | 5638.20 | 5444.02 |
| 7 | 5379.80 | 5095.13 |
| 8 | 5695.44 | 5712.16 |

## C L V SEWER NOTES

1. ALL SANITARY SEWER INSTALLATIONS SHALL CONFORM TO THE STANDARD DETAILS AND SPECIFICATIONS OF THE CITY OF LAS VEGAS, AND SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, LATEST EDITION, UNLESS OTHERWISE NOTED.
2. CHISEL "S" OR "S" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
3. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, AND INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II GRADE.
4. ALL MANHOLES IN PAVED STREETS OR R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
5. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
6. A SEWER MAIN CROSSING OVER A WATER MAIN, BE LESS THAN 18" UNDER A WATER MAIN MUST BE REINFORCED CONCRETE ENCASED PIPE FOR A DISTANCE NOT LESS THAN 10' FROM EACH SIDE OF THE CENTER LINE OF THE WATER MAIN.

## QUANTITY ESTIMATE

| | |
|---|---|
| STD MANHOLE | 8 EA |
| DROP MANHOLE | 1 EA |
| 8" PVC SEWER MAIN | 2067 LF |
| 4" PVC SEWER LATERAL | 1605 LF |
| WYES | 50 EA |

SAM C. GUNNAM CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF NEVADA No. 7886

4/16/88

PLASTER DEVELOPMENT
LAS VEGAS, NEVADA


CONSULTING ENGINEERS — PLANNERS
2300 Paseo Verde Pkwy., Suite 120
Las Vegas, Nevada 89123 (702) 873-7500
vtn nevada


TITLE: MASTER SEWER PLAN

PROJECT: CHARLESTON HEIGHTS TRACT 63 UNIT 1

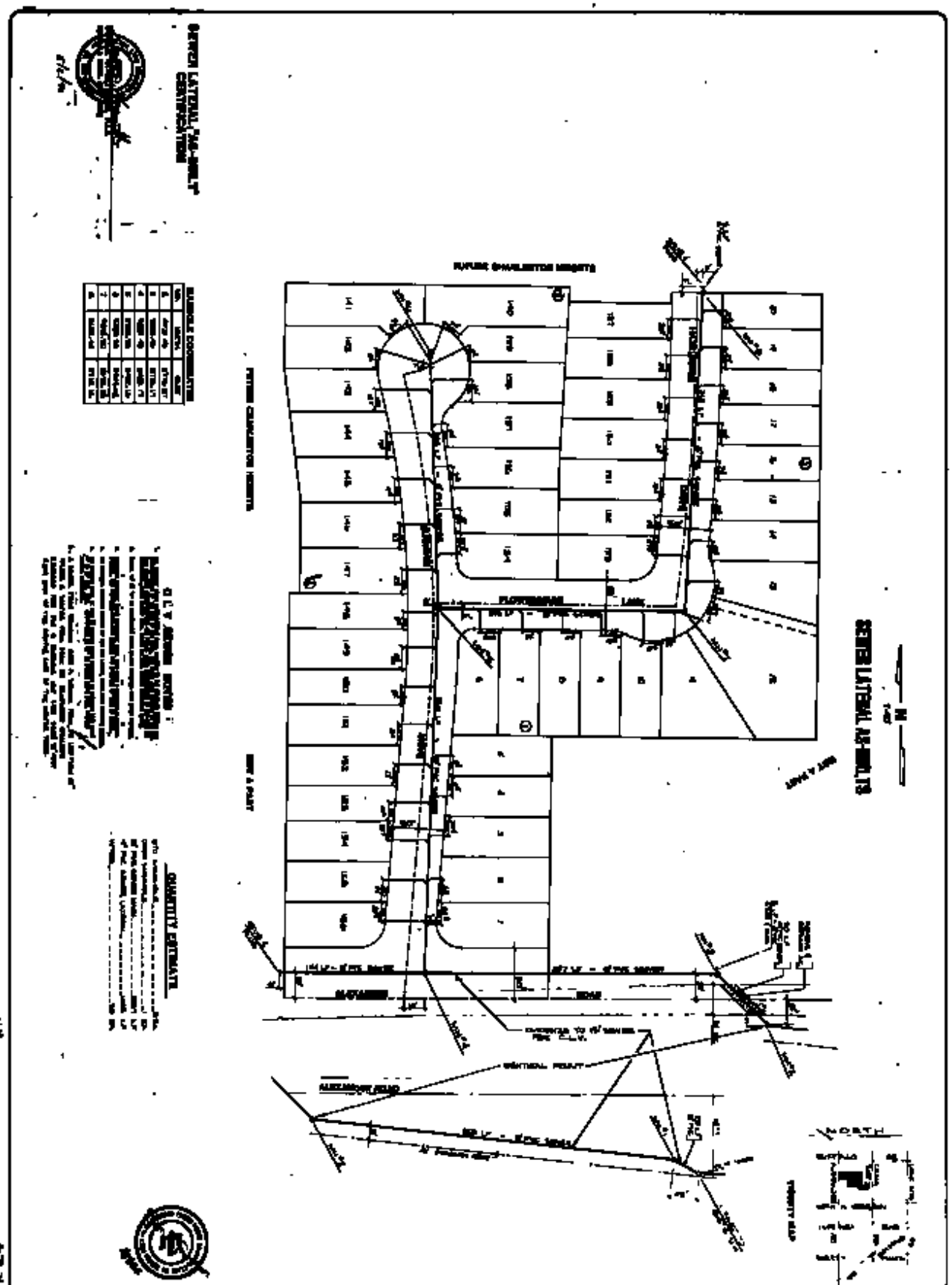
| | |
|---|---|
| WO NO | 3179-1 |
| BY | RPF/JDS |
| DATE | APRIL 88 |
| SCALE | 1":40' |

SHEET 6 OF 13 SHEETS

3639

As Built

3074-1040-63-1



MASTER SEWER PLAN

CHARLESTON HEIGHTS TRACT 63
UNIT 1

PLASTER DEVELOPMENT

LAS VEGAS, NEVADA