

B.M. CL 4821 ELEV. 1449.423
 L & R DDM TAG & CO. SOLEDAD CANYON RD. SPT.
 W/O B.C.P. @ SW COR. CALETON RD. 427' S.
 & 60 FT. W/O C/L INT.
 NENHALL QUAD. 19 83

DOUBLE SCALE

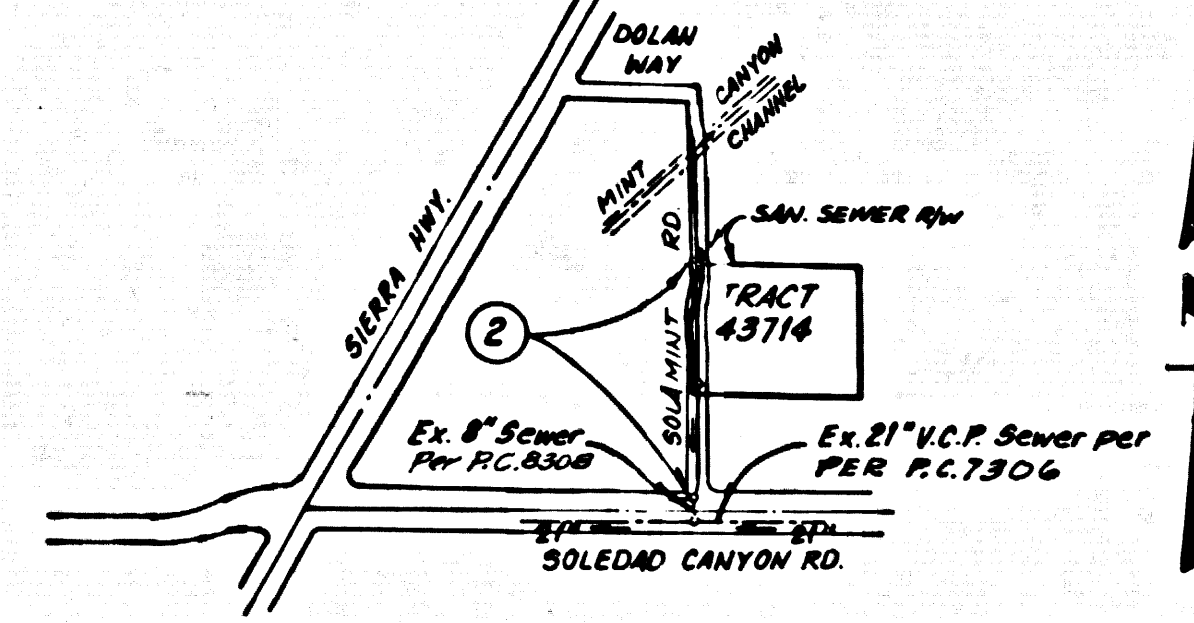
CONSTRUCTION NOTES: (CONT)

17. WYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAIN LINE SEWER IF A.B.S.C.P. IS USED.
18. ALL JOINTS BETWEEN CAST IRON PIPE AND A.B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
19. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPE AND A.B.S. SOLID WALL HOUSE LATERALS.
20. MANHOLE WATER STOP BASKETS AND CLAVES ARE REQUIRED FOR THE CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
21. A.B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
22. 8 DEGREE DEFLECTION COUPLERS SHOULD BE USED TO ACCOMPLISH RADII OF CURVATURE LESS THAN 50'.
23. A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION 8-2.1 OF PART IV OF SPECIAL PROVISIONS.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICT FOR SAID CONNECTION.

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FILING ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE 818 - 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

NOTE:
 NUMBERS IN CIRCLES INDICATE PAGE NUMBER.



INDEX MAP
 TRACT No. 43714
 P.C. No. 10432
 SCALE: 1"=600'

REVISION No. 4 DATE: 12-9-87
 BY: WILLIAM J. GHORMLEY
 CONSULTING CIVIL ENGINEERS
 ADD 8" HOUSE LATERAL (H/L) FROM MANHOLE AT STATION 7+58.30 TO EAST SIDE OF SOLAMINT. PAGE 2.

APPROVED: *Sam G. Hale* 12-10-87 33134
 DEPT. OF PUBLIC WORKS DATE R.C.E. NO.

REVISION No. 3 DATE: 6-17-87
 BY: KEVIN KEEGAN & ASSOC., INC.
 RELOCATE & DECREASE FROM SW COR. 4" TO 8" V.C.P. FROM 5+78.30 TO 5+78.30

APPROVED: *Sam G. Hale* 6/18/87 30780
 APPROVED: OFFICE OF PUBLIC WORKS R.C.E. NO.

REVISION No. 2 DATE: 5-18-87
 BY: KEVIN KEEGAN & ASSOC. INC.
 RELOCATED 8" V.C.P. FROM 4+85' W/O OF SOLAMINT ROAD BETWEEN STA 7+100 AND 7+101.00 TO AVOID TEMPORARY INTERFERENCE W/ EXIST. POWER POLES.

APPROVED: *Sam G. Hale* 6-3-87 33134
 APPROVED: OFFICE OF PUBLIC WORKS - DATE - R.C.E. NO.

REVISION No. 1 DATE: 4-21-87
 BY: KEVIN KEEGAN & ASSOC., INC.
 REVISED FINISHED GRADE OVER SEWER LINE TO PROVIDE REQUIRED COVER OVER EXIST. PAC TEL CONDUIT ADDED PAC TEL LINE, M.H.'S, BUY MANHOLES AND POLES. REVISED LOC. OF M.H.'S.

APPROVED: *Sam G. Hale* 4-21-87 32182
 APPROVED: OFFICE OF PUBLIC WORKS - R.C.E. NO.

GENERAL NOTES:

1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DEPT. OF PUBLIC WORKS.
3. NO REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS SURVEY OR LAY OUT ANY PORTION OF THE WORK.
4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BEING "WATER POINTS" THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE UNLESS OTHERWISE SAID OR NOTED.
5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPT. OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS 4" V.C.P. OR 8" V.C.P. BRANCHES AND SHALL PROVIDE STAKE OR PLUMMET AT THE PROPER LOCATIONS WITH STATIONING IN ANY MARKED ALLEYS. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
6. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DETERMINE AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
7. BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE DEPT. OF PUBLIC WORKS. THE PERMIT SHALL BE FILED WITH THE COUNTY ENGINEER, DEPT. OF PUBLIC WORKS, 1000 ALHAMBRA STREET, LOS ANGELES, CALIF. TO COVER THE PERIOD OF CONSTRUCTION AND PRELIMINARY PLANS.
8. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
9. APPROVAL OF THE PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OBSTRUCTION WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
10. REFER TO SECTION 10.4 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY CONES.
11. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPT. OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT, A PERMIT TO EXCAVATE AND REMOVAL FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 300 SOUTH VERMONT, P.O. BOX 100, LOS ANGELES, CALIFORNIA. THESE PERMITS MUST BE OBTAINED PRIOR TO CANCELLATION OF POLICY.

CONSTRUCTION NOTES:

1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1988 EDITION) AND TO THE DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED DEPT. 21, 1978.
2. THE CONTRACTOR SHALL NOTIFY THE SANITATION DISTRICT BY TELEPHONE 818-962-8600 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
3. HOUSE LATERALS TO BE CONSTRUCTED WITHIN 8 FEET OF PROPERTY LINE & 8 FEET FROM CURB GRADE EXCEPT AS NOTED.
4. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
5. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S.D. OR PRECAST CONCRETE MANHOLES PER S.D. EXCEPT AS NOTED.
6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
7. MANHOLE TOPS IN UNIMPROVED PORTIONS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
8. WITHIN CLAY PIPE JOINTS SHALL BE TYPE "D" OR "C" PER STANDARD SPECIFICATIONS SECTION 208.2.
9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S.D. CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
10. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S.D. CASE II UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
11. ALL JOINTS BETWEEN CAST IRON PIPE AND WITHIN CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" (WITH BUSHING IF NECESSARY) PER STANDARD SPECIFICATIONS SECTION 208.2.
12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208.1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
13. REINFORCE ALL TRENCHES WITHIN PAVED AREAS TO MEET THE PUBLIC WORKS REQUIREMENTS FOR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
14. FULL COMPLIANCE WITH SECTION 208.1.3 OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED, INDENTIFIED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
15. SPECIAL BACKFILL IN PAVEMENT CONSTRUCTION (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION. (B) ALL BACKFILL AND EARTH REPLACEMENT SHALL BE COMPLETED TO A MINIMUM OF 90% MAXIMUM PER A.S.T.M. 570. METHOD OF TEST 208.51 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION.

PROFILE ALIGNMENT AND GRADE OF
SANITARY SEWERS
 TO BE CONSTRUCTED IN

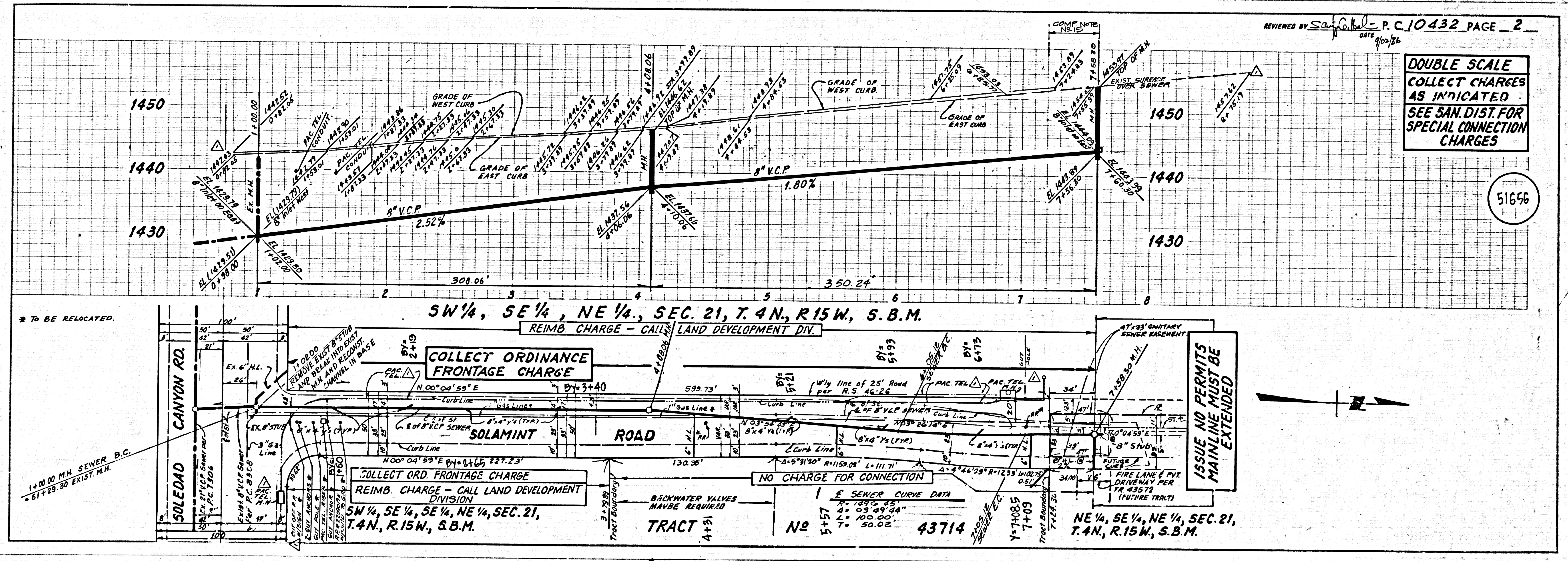
TRACT No 43714
 PRIVATE CONTRACT NO. 10432
 INDEX A-60, F3

1 SHEET OF 2 PAGES
 SCALE: HORIZ. 1"=40' VERT. 1"=4'
 PREPARED IN THE OFFICES OF
ENGINEERING SERVICE CORPORATION
 1000 ALHAMBRA STREET, LOS ANGELES, CALIF. 90015
 BY: *Sam G. Hale*
 REG. C.E. No. 13095

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGEND	8-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	8-2
BRICK MANHOLE	8-3
STANDARD MANHOLE TEE	8-4
MANHOLE FOR SEWER PIPE	8-5
CRACKING AND REPAIRMENT	8-6
WYE OR TEE SUPPORT	8-7
ALLOWABLE TRENCH WIDTHS	8-8
LOADING MANHOLE FRAME AND COVER	8-9
NON-REINFORCED PRECAST CONCRETE SEWER MANHOLE	8-10

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS CHARLES M. CARRY, CHIEF ENGINEER
 APPROVED: *Carl A. Shum* 10/3/86 DATE: 10/3/86
 CHECKED: *Henry C. Anderson* 9-25-86 DATE: 9-25-86
 REG. C.E. NO. 117536
 SANTA CLARITA VALLEY BLDG. DIST. 0-2



82401 9N29 4152 9N1397
 1634216 4314 5C16 9N1397