



- NOTES:**
1. PRIOR TO LINING WORK, CLEAN EXISTING MANHOLE AND SEWER SURFACES WITH HIGH VELOCITY HYDRO CLEANING EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTION 33 30 00.
 2. PRIOR TO ORDERING THE LINER, THE LINING CONTRACTOR SHALL TAKE FIELD MEASUREMENTS TO DETERMINE EXACT INSIDE DIMENSIONS AND LENGTH OF SEWERS TO BE LINED. FOR EVERY 50' LENGTH OF SEWER AT LEAST ONE MEASUREMENT SHALL BE TAKEN. LOGS OF MEASUREMENTS SHALL BE SUBMITTED TO CITY REPRESENTATIVE FOR RECORDS.
 3. OUTSIDE DIMENSIONS OF CURED-IN-PLACE LINER SHALL BE EQUAL TO INSIDE DIMENSION OF EXISTING SEWER TO BE LINED. SUBMITTALS SHALL SPECIFY SIZE OF LINERS TO BE USED FOR EACH SEWER.
 4. CONTRACTOR SHALL POTHOLE FOR EXACT LOCATION OF ELECTRICAL LINE PRIOR TO CULVERT/CB CONSTRUCTION.

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| SEWER SIZED BY B.S. <i>BS</i> | | APPROVED BY B.S. <i>[Signature]</i> | | SCALE: 1"=20' | | 2'x3' RC SEWER LINING DETAIL SCALE: NONE | | ELEVATION DATUM NAVD88 | | PLAN APPROVAL DATE | | CONTRACT No. 04-0G3501 | | PROJECT ID 0400000325 | | DISTRICT 04 | | COUNTY SF | | ROUTE 1 | | POST MILES TOTAL PROJECT R0.94/4.05 | | | |
| REFERENCE INFORMATION & FILE NO. OF SURVEYS | | | | BUREAU OF ENGINEERING CITY & COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102 - 6028 | | Section Mgr: LESLEY WONG <i>[Signature]</i> 12/12/19 | | Date: | | DESIGNED: DATE: B.NG BN 12/2019 | | DRAWN: DATE: S.LIM SL 12/2019 | | CHECKED: DATE: G.FONG GF 12/2019 | | REGISTERED PROFESSIONAL ENGINEER PENNY NG No. C72192 CIVIL STATE OF CALIFORNIA 12/11/19 | | SCALE: AS SHOWN | | SHEET OF SHEETS 166 OF 356 | | 19TH AVENUE (STATE ROUTE 1) COMBINED CITY PROJECT 19TH AVENUE SEWER REPLACEMENT STA 122+95 TO STA 128+95 PLAN | | CONTRACT ID 1000005832 DRAWING NO. SW-21 FILE NO. 111,464 REV. NO. 0 | |
| TABLE OF REVISIONS | | | | | | | | | | | | | | | | | | | | | | | | | |