



SEWER SIZED BY
B.S. BS

APPROVED BY
B.S. [Signature]

20' 0 20' 40'

SCALE: 1"=20'

2'x3' RC SEWER LINING DETAIL 1

SCALE: NONE

REFERENCE INFORMATION
& FILE NO. OF SURVEYS

A-1949
A-12821
A-13591
A-13591.1

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

Date:
12/12/19

Deputy Bureau Mgr:
FERNANDO CISNEROS

Date:
12/16/19

Acting Bureau Mgr:
IQBAL DHAPA

Date:
12/16/19

DESIGNED: B.NG BN

DATE: 12/20/19

DRAWN: S.LIM SL

DATE: 12/20/19

CHECKED: G.FONG GF

DATE: 12/20/19

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

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

NOTES:

- PRIOR TO LINING WORK, CLEAN EXISTING MANHOLE AND SEWER SURFACES WITH HIGH VELOCITY HYDRO CLEANING EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTION 33 30 00.
- 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.
- 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.
- CONTRACTOR SHALL POTHOLE FOR EXACT LOCATION OF ELECTRICAL LINE PRIOR TO CULVERT/CB CONSTRUCTION.

HYD PROJECT NO. 2767J