# UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

Construction contractor agrees that in accordance with generally accepted construction practices, construction contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of the project, including safety of all persons and property; that this requirement shall be made to apply continuously and not be limited to normal working hours, and construction contractor further agrees to defend, indemnify and hold design professional harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of design professional.

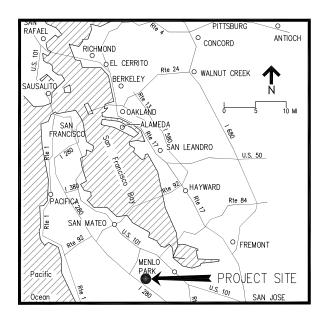
# BOARD OF DIRECTORS

PRESIDENT EDWARD P. MORITZ ROY THIELE-SARDIÑA **SECRETARY** DAVID WALKER TREASURER FRAN DEHN DIRECTOR GEORGE OTTE DIRECTOR PHIL SCOTT DISTRICT MANAGER

# WEST BAY SANITARY DISTRICT

SAN MATEO COUNTY SHARON ROAD SEWER REPLACEMENT PROJECT

REPLACEMENT AND CONSTRUCTION OF SANITARY SEWER MAINS



REGIONAL LOCATION NTS

# LEGEND

|                | SANITARY SEWER TO BE INSTALLED     |       | EXISTING JOINT POLE/<br>POWER POLE |
|----------------|------------------------------------|-------|------------------------------------|
|                | EXISTING SANITARY SEWER            | G     | EXISTING GAS VALVE                 |
| <u>SS_LAT_</u> | EXISTING LATERAL                   | W     | EXISTING WATER VALVE               |
|                | EXISTING GAS LINE                  | WM    | EXISTING WATER METER               |
| O.H.           | EXISTING ELECTRICAL LINE OVER HEAD | co    | EXISTING CLEAN OUT                 |
|                |                                    |       | EXISTING FIRE HYDRANT              |
|                | EXISTING WATER LINE                | (S)/  | EXISTING SEWER/ STORM              |
|                | EXISTING STORM DRAIN               | 9/(1) | DRAIN MANHOLE                      |
|                | ROLLED CURB AND GUTTER             | ELEC  | EXISTING ELECTRICAL PULL BOX       |
|                | CURB AND GUTTER                    |       | EXISTING CATCH BASIN               |
|                |                                    | -0-   | TRAFFIC SIGN                       |
|                |                                    |       | EXISTING BUILDING/STRUCTURE        |

| SHEET # | DESCRIPTION                |
|---------|----------------------------|
| 0       | COVER SHEET                |
| 1       | SHARON ROAD 0+00 TO 5+70   |
| 2       | SHARON ROAD 5+70 TO 11+08  |
| 3       | ALTSCHUL ROAD 0+00 TO 5+50 |
| 4       | ALTSCHUL ROAD 5+50 TO 9+50 |
| 5       | SHARON ROAD 9+50 TO 13+70  |
| 6       | SHARON ROAD 13+70 TO 16+10 |
| 7       | DETAIL SHEET               |

# INDEX OF DRAWINGS

|  | Ashton Avenue  |
|--|--|
| NY Avenue  | Oppose Gordon Avenue   |
| Mone (8) Representation of the control of the contr | OVIUVII rivenue  |
| Lahe Barrell San   | Avy Avenue   |
| or Ronge Averue  | k Avenue   |
| Lama Prieta Lone   | Prospect Street Avenue   |
|  |  |
| olympic Avenue   | Sharon Road  |
| Blueridge Avenue   | Shersh   |
| Edstridge Avenue   | S Way Can Drive S Can Market Can |
| PROJECT SITE   |  |
| SIIE   | opp                              |
| poog   | Campo Gello Lone   |
| Sto.   |  |
|  |  |
| Marin Oaks Drive   | Royal Opk Court  |
| Drive  | Pala Alth Way  |
|  | Pool 37 Petry Avenue   |
| MEM C. B   | 1816   |

MENLO PARK VICINITY LOCATION NTS

# **GENERAL NOTES:**

- 1. THE FOLLOWING NOTES ARE ESTABLISHED MERELY TO GUIDE THE CONTRACTOR AS TO THE GENERAL ITEMS OF WORK INVOLVED AND ARE NOT INTENDED TO COVER COMPLETE SCOPE OF WORK. THE CONTRACTOR SHALL COMPLETE ALL WORK AS PER CONSTRUCTION PLANS AND
- 2. CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY 2. COMINACIONE ARREST INAI INTEL SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY.

  FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT. EXCEPT FOR LIABILITY ARISING FROM THE SOLE MEGILIFER OF THE OWNER OR THE THE PROJECT. NEGLIGENCE OF THE OWNER OR THE ENGINEER
- 3. ALL SANITARY SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, THE SPECIAL TECHNICAL PROVISIONS AND THE STANDARD SPECIFICATIONS OF THE WEST BAY SANITARY DISTRICT. ALL WORK NOT SPECIFICALLY COVERED IN THE STANDARD SPECIFICATIONS OF WEST BAY SANITARY DISTRICT AND THE SPECIAL TECHNICAL PROVISIONS FOR THESE IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, LATEST EDITION.
- 4. THE WORK SHOWN ON THESE PLANS IS WITHIN THE JURISDICTION OF THE CITY OF MENLO PARK AND TOWN OF ATHERTON, AND SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS AND THE REQUIREMENTS OF THE ENCROACHMENT PERMITS.
- 5. THE LOCATIONS AND TYPES OF EXISTING UTILITIES SHOWN ON THE IMPROVEMENT PLANS 3. THE LOCATIONS AND TITES OF EXISTING VITILITIES SHOWN ON THE IMPROVEMENT PAIRS ARE BASED ON INFORMATION FURNISHED BY SERVICING AGENCIES AND IS TO BE SUPPLEMENTED BY ACTUAL FIELD INVESTIGATION AND VERIFICATIONS BY CONTRACTOR. ATTENTION IS DIRECTED TO VERIFICATIONS OF DEPTHS AND EXACT LOCATIONS OF EXISTING SERVICES WHETHER SHOWN ON THE PLAN OR NOT AND THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PRESERVE AND AVOID DAMAGES TO EXISTING UTILITIES ENCOUNTERED. NOTE: EXISTING UTILITY SERVICES TO HOUSES ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL NOTIFY PG&E, AT&T, CALIFORNIA WATER AND UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444, PRIOR TO ANY FIELD INVESTIGATION.
- 6. BEDDING MATERIAL SHALL BE AN IMPORTED VIRGIN GRANULAR MATERIAL FREE FROM VEGETABLE MATTER AND OTHER ORGANIC SUBSTANCES AND SHALL BE OF SUCH NATURE THAT IT CAN BE COMPACTED READILY UNDER WATERING, ROLLING AND TAMPING TO FORM A FIRM AND STABLE BASE, BEDDING MATERIAL SHALL CONFORM TO THE GRADATION REQUIREMENTS SHOWN ON THE DETAIL DRAWING.
- 7. RELATIVE COMPACTION AND IN-PLACE DENSITY SHALL BE DETERMINED AS DEFINED BY
- 8. EXISTING FLOWS MUST BE MAINTAINED BY CONTRACTOR AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY PROPERTY OWNERS OF ANY INTERRUPTION OF SEWER SERVICES PRIOR TO ANY WORK ON EXISTING SEWER PIPES. SEWAGE FLOWS SHALL BE
- 9. ALL EXISTING IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO LANDSCAPING, DRIVEWAYS, CURB, GUTTER, SIDEWALK, CULVERTS, DRAINS, STRIPING (PAINTED OR THERMOPLASTIC) AND MONUMENTS, SHALL BE RESTORED TO THE CONDITION IN WHICH THEY WERE OR BETTER BEFORE THE EXCAVATION WAS MADE. PAYMENT FOR RESTORATION OF EXISTING IMPROVEMENTS TO THEIR ORIGINAL CONDITION WILL NOT BE MADE AND SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS CONTRACT ITEMS OF WORK INVOLVED.
- 10. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT PROVISIONS OF FEDERAL STATE. AND LOCAL CODES AND REGULATIONS IN REGARD TO TRAFFIC CONTROL. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN PRIOR TO THE START OF WORK TO BE APPROVED BY THE DISTRICT AND THE LOCAL JURISDICTION.
- 11. THE CONTRACTOR SHALL CONDUCT THEIR OPERATION AS TO OFFER THE LEAST POSSIBLE OBSTRUCTION AND INCONVENIENCE TO THE PUBLIC. THROUGHOUT THE PERFORMANCE OF THE WORK, OR IN CONNECTION TO THIS CONTRACT, THE CONTRACTOR SHALL CONSTRUCT AND ADEQUATELY MAINTAIN SUITABLE AND SAFE CROSSINGS OVER TRENCHES, DRIVEWAY ACCESS AND SUCH DETOURS AS ARE NECESSARY TO CARE FOR PUBLIC PEDESTRIAN TRAFFIC.
- 12. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE OSHA RULES, REGULATIONS, AND ORDERS ESTABLISHED BY FEDERAL AND STATE AGENCIES BEFORE ENTERING SANITARY SEWER
- 13. IF THE CONTRACTOR PLANS TO USE MACHINERY WITH TRACKS, PLYWOOD SHALL BE 13. IF THE CONTRACTOR PLANS TO USE MACHINERY WITH TRACKS, PLYWOUD SHALL BE PLACED IN FRONT AND/OR BACK OF THE MACHINE (DEPENDING ON THE TRAYEL DIRECTION), SO THAT SURFACE DESTRUCTION IS AVOIDED. ANY SURFACE DESTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE DISTRICT, TO THE SATISFACTION OF
- 14. THE REPLACEMENT OF SEWER MAINS SHALL BE CONSTRUCTED AT THE DESIGNED HORIZONTAL ALIGNMENT AND THE PROPOSED GRADE (DEPTH) AS SHOWN ON THE PLANS. THE EXISTING SEWER MAINS SHALL BE USED AS STATIONING CONTROL LINE. THE CONTRACTOR SHOULD BE ALERTED TO THE NEED FOR EXCAVATION BELOW EXISTING PIPE INVERT FOR PLACEMENT OF BEDDING MATERIALS AS SHOWN ON THE DETAIL DRAWINGS.
- 15. CONCRETE FOR MANHOLES SHALL MEET THE REQUIREMENTS OF CLASS 1 CONCRETE AS DEFINED IN CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION.
- 16. CONTRACTOR SHALL PROVIDE PUMPS OR OTHER MEANS TO PREVENT SEWER WASTE BACKUP DUE TO THEIR WORK ON THE EXISTING SEVERS. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND DAMAGES CAUSED BY THEIR NEGLIGENCE, AND SHALL PAY ANY FINES DUE TO THEIR NEGLIGENCE.
- 17. PRIOR TO THE START OF SEWER CONSTRUCTION. THE CONTRACTOR SHALL PERFORM BYPASSING OPERATIONS. CONSTRUCTION CAN NOT BEGIN UNTIL BYPASSING OPERATIONS ARE
- 18. THE CONTRACTOR SHALL AT ALL TIMES HAVE AT THE JOB SITE SUFFICIENT PUMPING MACHINERY READY FOR IMMEDIATE LISE. THE TRENCHES AND EXCAVATIONS SHALL BE KEPT MACHINERY READ TOR IMMEDIATE USE. THE THERUPES AND EACAVATIONS STALL BE RET ENTIRELY FREE OF WATER WHILE CONCERTE IS BEING POURED OR PIPE IS BEING LAID AND UNTIL CONCRETE OR MORTAR HAS SET HARD. WATER SHALL BE DISPOSED OF IN SUCH A MANNER AS WILL NOT CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, NOR BE A MENACE
- 19. ALL PROPERTY LINES SHOWN ARE APPROXIMATED FROM ASSESSORS PARCEL MAPS OR FROM RECORD INFORMATION, AND THEIR LOCATION MAY NOT BE EXACT. THE PROPERTY LINES SHALL BE USED AS REFERENCE TO LOCATE SERVICE LATERAL CONNECTION TO EACH PROPERTY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THE EXACT LOCATION OF EACH PROPERTY LATERAL FOR CONNECTION.
- 20. THE NUMBER OF LATERALS SHOWN ON THE PLANS IS BASED ON T.V. INVESTIGATION LOGS, WHICH MAY INCLUDE BOTH LIVE AND DEAD LATERALS. FINAL NUMBERS TO BE USED FOR PAYMENT IS THE NUMBER OF LIVE LATERALS CONNECTED. THE CONTRACTOR SHALL SAWCUT THE ABANDONED LATERALS AT THE EDGE OF THE TRENCH AND PLUG THEM IN ACCORDANCE WITH THE DISTRICT'S STANDARDS.

# DRAFT

| DATE: 3     | 3/10/17  |    |      |                          |       |
|-------------|----------|----|------|--------------------------|-------|
| SCALE: A    | AS NOTED |    |      |                          |       |
| DESIGNED:   | JJF      |    |      |                          |       |
| DRAWN:      | PJG      |    |      |                          |       |
| CHECKED:    | JJF      |    |      |                          |       |
| PROJ. ENGR: | RJL      |    |      |                          |       |
|             |          | BY | DATE | DESCRIPTION OF REVISIONS | APP'D |



west bay SANITARY DISTRICT SAN MATEO COUNTY

144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 • www.freverla

DRAFT PROJECT No. 1758.5

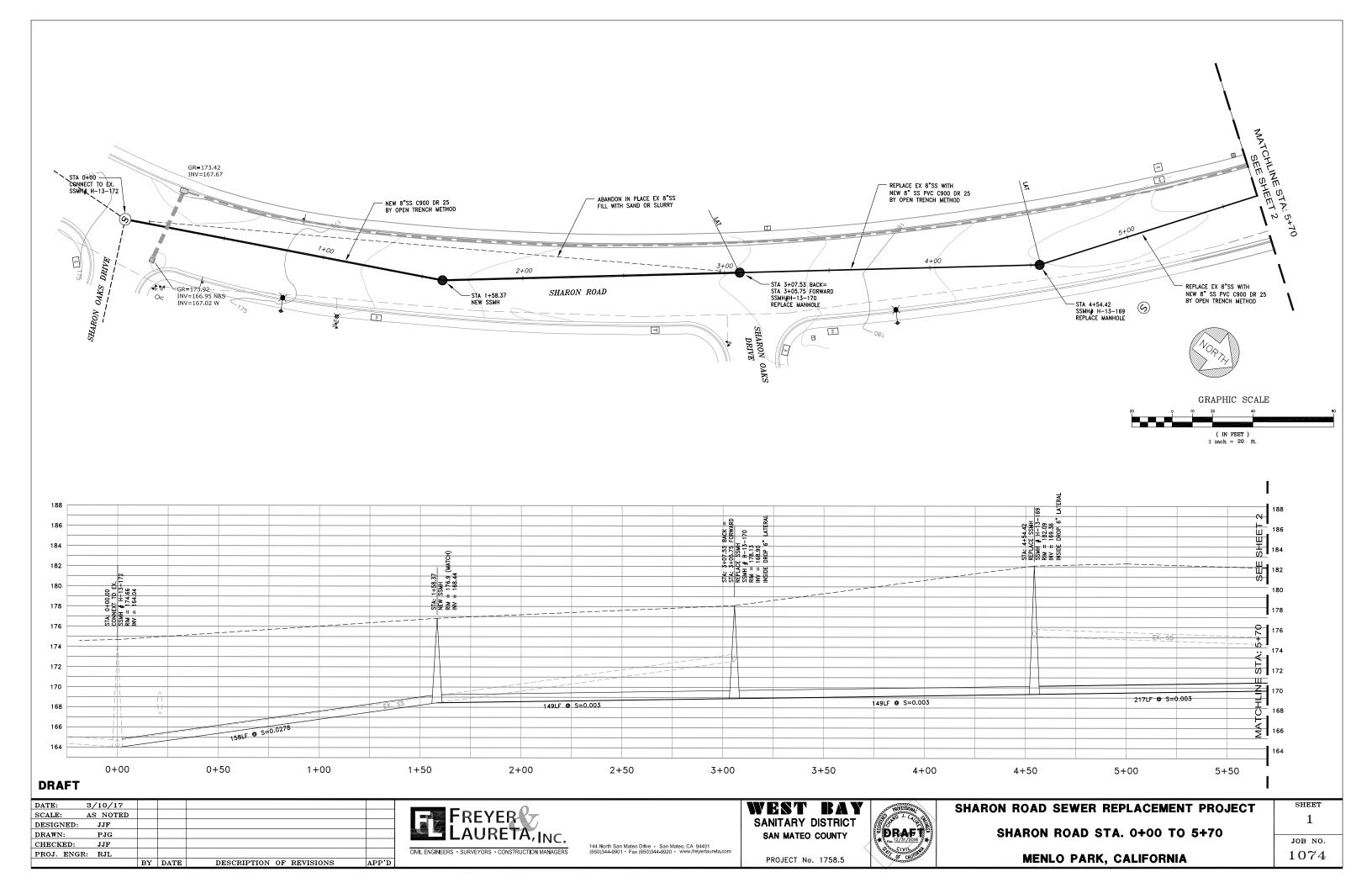
# SHARON ROAD SEWER REPLACEMENT PROJECT **COVER SHEET**

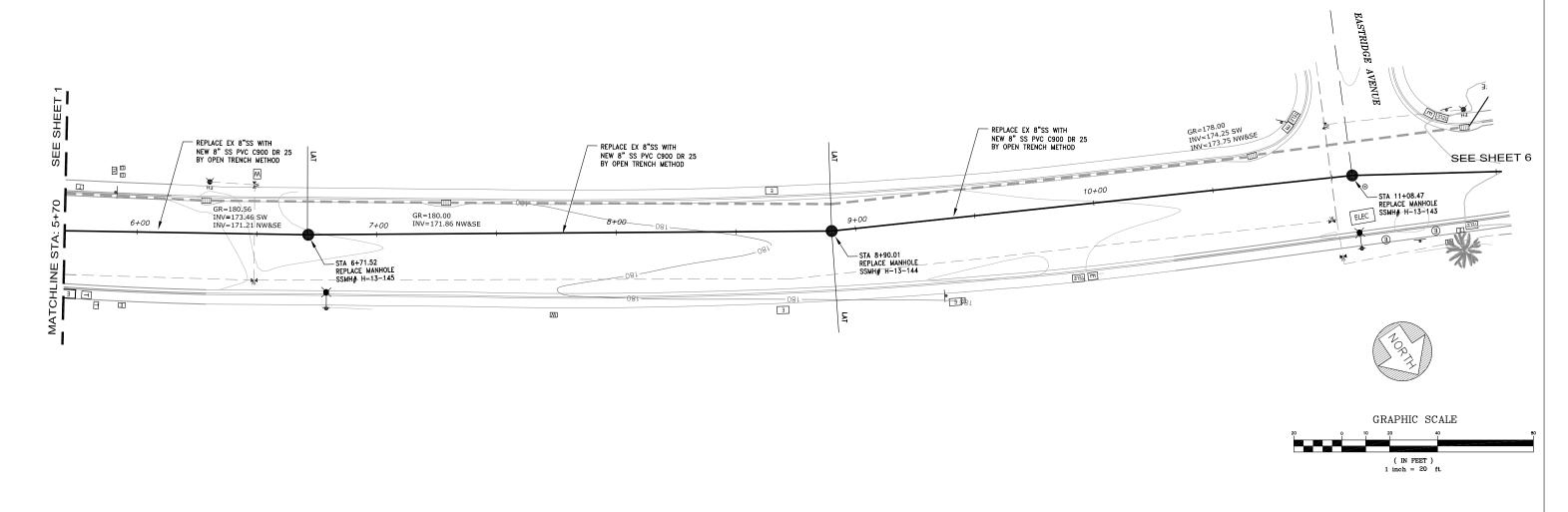
0 JOB NO.

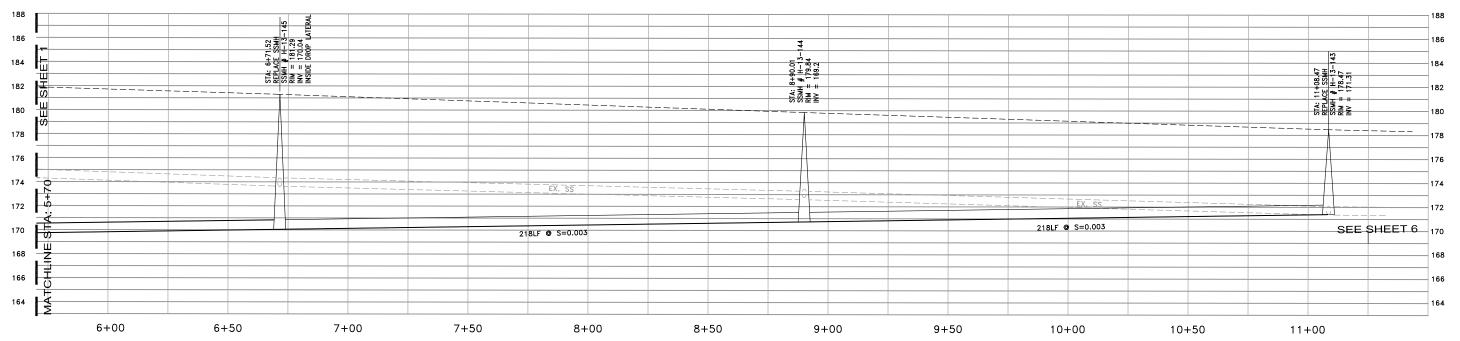
**MENLO PARK. CALIFORNIA** 

1074

SHEET







144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 • www.freyerlaureta.com

# DRAFT

| DATE: 3     | /10/17  |    |      |                          |       |
|-------------|---------|----|------|--------------------------|-------|
| SCALE: A    | S NOTED |    |      |                          |       |
| DESIGNED:   | JJF     |    |      |                          |       |
| DRAWN:      | PJG     |    |      |                          |       |
| CHECKED:    | JJF     |    |      |                          |       |
| PROJ. ENGR: | RJL     |    |      |                          |       |
|             |         | BY | DATE | DESCRIPTION OF REVISIONS | APP'D |



SANITARY DISTRICT
SAN MATEO COUNTY

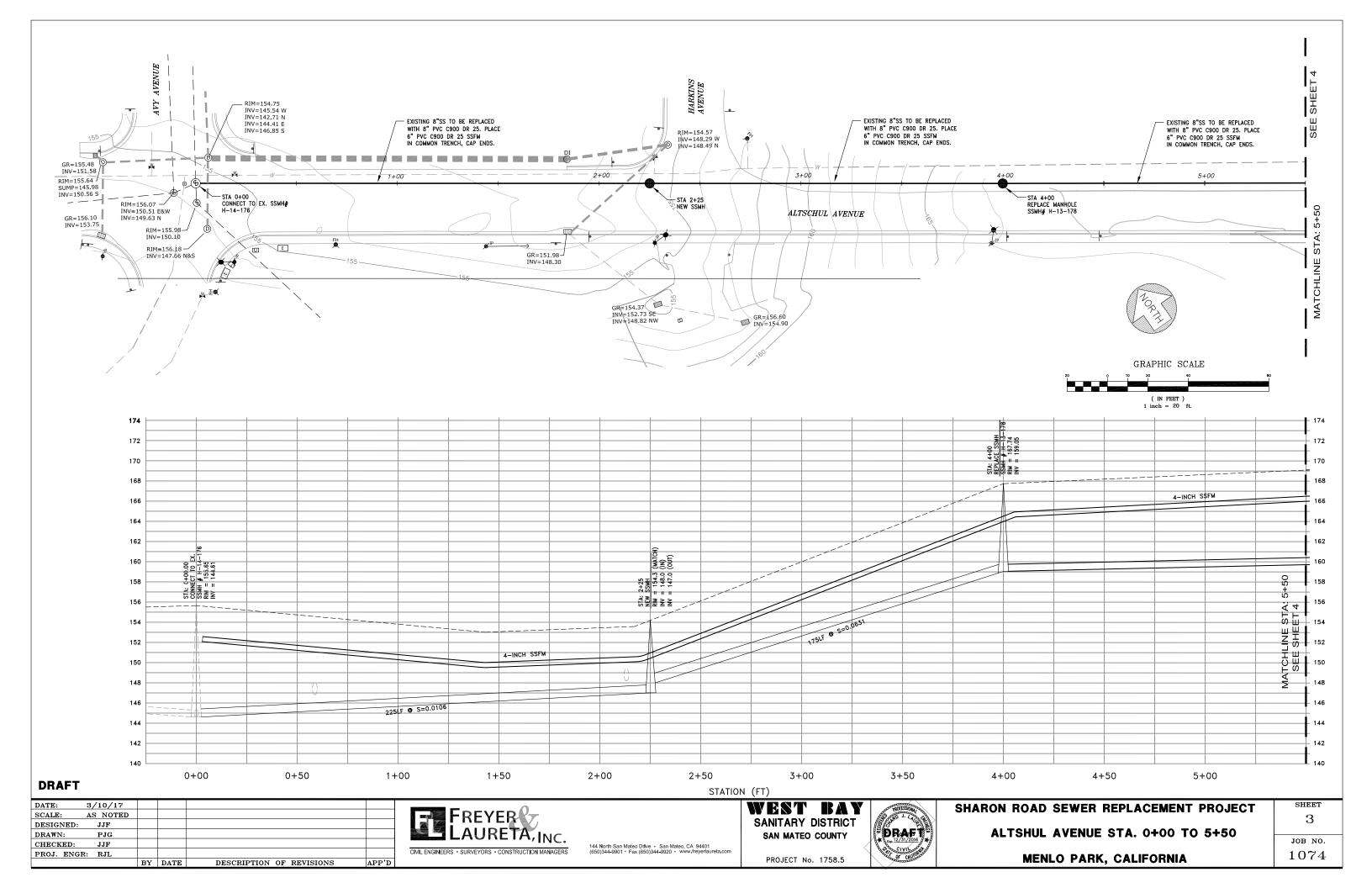
PROJECT No. 1758.5

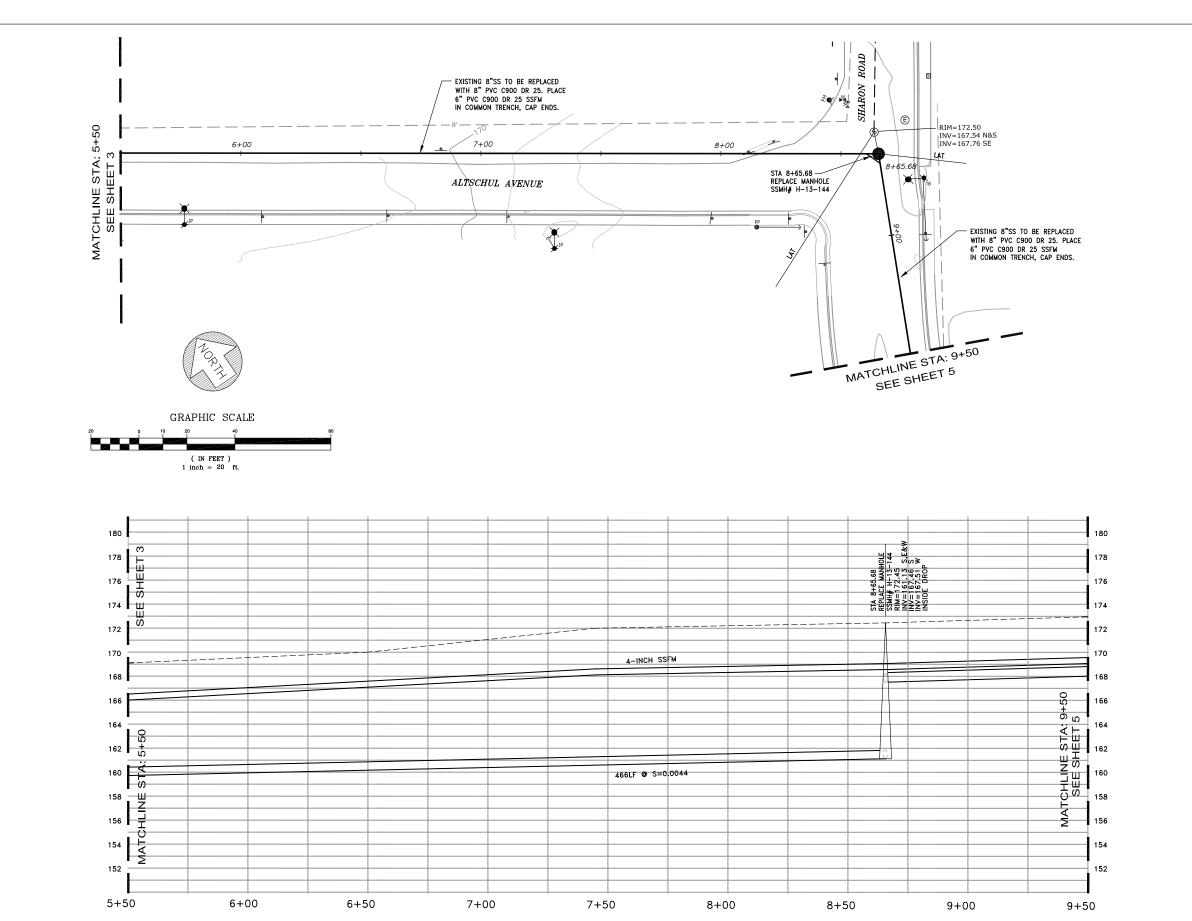
DRAFT.

# SHARON ROAD SEWER REPLACEMENT PROJECT SHARON ROAD STA. 5+70 TO 11+08.47 MENLO PARK, CALIFORNIA

| 6   | 2   |
|-----|-----|
| JOB | NO. |
| 10  | 74  |

SHEET





DRAFT

3/10/17 SCALE: AS NOTED DESIGNED: JJF DRAWN: PJG CHECKED: JJF PROJ. ENGR: RJL BY DATE DESCRIPTION OF REVISIONS APP'D



**WEST BAY** SANITARY DISTRICT

DRAFT = SAN MATEO COUNTY PROJECT No. 1758.5

SHARON ROAD SEWER REPLACEMENT PROJECT **ALTSHUL AVENUE/SHARON ROAD** STA. 5+50 TO 9+50

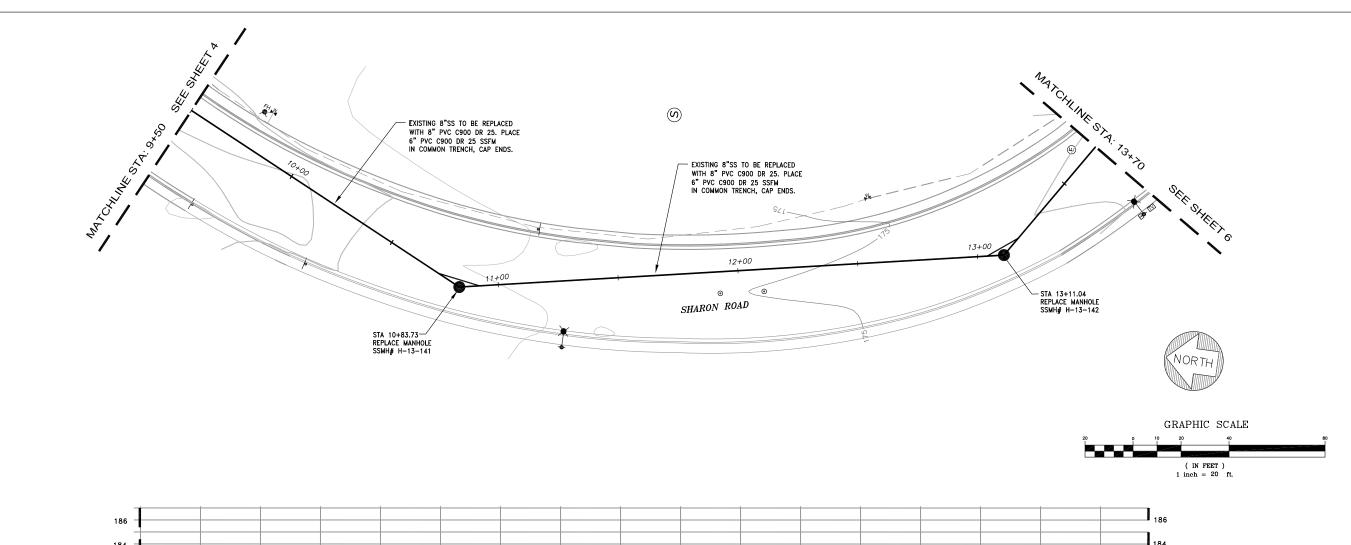
| 4   | 1   |
|-----|-----|
| JOB | NO. |
| 10  | 74  |

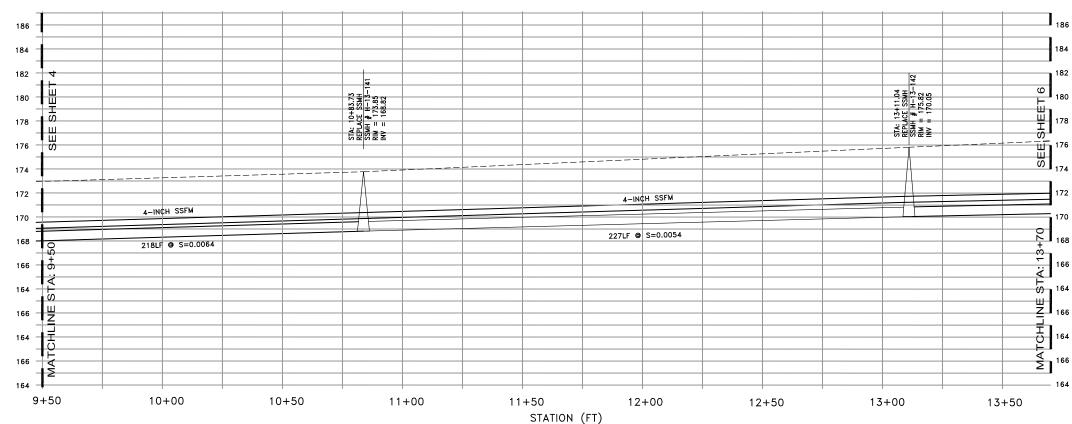
SHEET

144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 • www.freyerlaureta.com

STATION (FT)

**MENLO PARK, CALIFORNIA** 





144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 • www.freyerlaureta.com

# DRAFT

| DATE: 3/10/17   |    |      |                          |       |
|-----------------|----|------|--------------------------|-------|
| SCALE: AS NOTED |    |      |                          |       |
| DESIGNED: JJF   |    |      |                          |       |
| DRAWN: PJG      |    |      |                          |       |
| CHECKED: JJF    |    |      |                          |       |
| PROJ. ENGR: RJL |    |      |                          |       |
|                 | BY | DATE | DESCRIPTION OF REVISIONS | APP'D |

FREYER LAURETA, INC.

WEST BAY
SANITARY DISTRICT

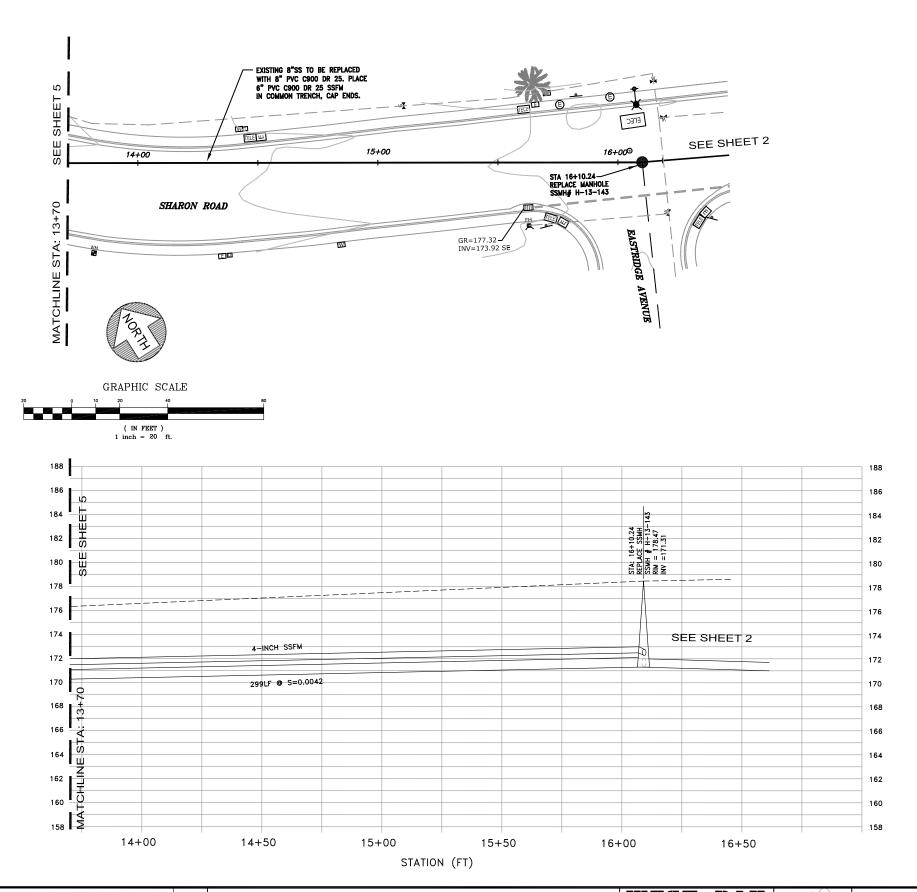
SANITARY DISTRICT SAN MATEO COUNTY

PROJECT No. 1758.5



SHARON ROAD SEWER REPLACEMENT PROJECT
SHARON ROAD STA. 9+50 TO 13+70
MENLO PARK, CALIFORNIA

| SHEE  | T  |
|-------|----|
| 5     |    |
| JOB N | o. |
| 107   | 4  |



144 North San Mateo Drive • San Mateo, CA 94401 (650)344-9901 • Fax (650)344-9920 • www.freyerlaureta.com

DRAFT

|             |         | BY | DATE | DESCRIPTION OF REVISIONS | APP'D |  |
|-------------|---------|----|------|--------------------------|-------|--|
| PROJ. ENGR: | RJL     |    |      |                          |       |  |
| CHECKED:    | JJF     |    |      |                          |       |  |
| DRAWN:      | PJG     |    |      |                          |       |  |
| DESIGNED:   | JJF     |    |      |                          |       |  |
| SCALE: A    | S NOTED |    |      |                          |       |  |
| DATE: 3     | 3/10/17 |    |      |                          |       |  |



WEST SANITARY DISTRICT

SAN MATEO COUNTY

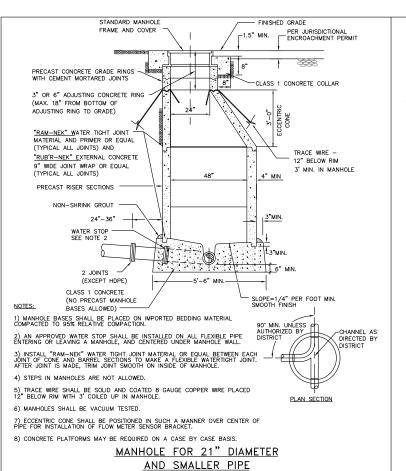
PROJECT No. 1758.5

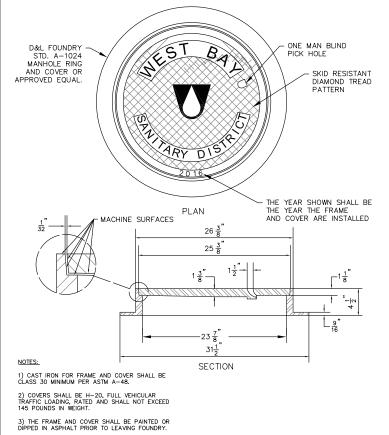
|        | PROFESSION                            |
|--------|---------------------------------------|
|        | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|        |                                       |
|        | PDRAFT™                               |
| J      | 12/31/2016 8x A                       |
| 1      | 1 3 mm                                |
| $\vee$ | 41,000,000                            |
|        | OF CAUTO                              |
|        | /                                     |

SHARON ROAD SEWER REPLACEMENT PROJECT SHARON ROAD STA. 13+70 TO 16+10.24 **MENLO PARK, CALIFORNIA** 

SHEET 6 JOB NO.

1074





-TRACER WIRE SOLID #8 COPPER WIRE WITH PROTECTIVE COATING - PLASTIC TIE WRAF 2 NODULES ROOT CONTROL 12" WIDTH SYSTEM SHALL BE (MIN) BIOBARRIER OR EQUAL TRACER WIRE SOLID #8 COPPER WIRE WITH PROTECTIVE COATING OVERLAF

APPLICATION:

2) ALL NEW OR REPLACEMENT SANITARY SEWER LATERAL CONNECTIONS.

SANITARY SEWER LATERAL REPAIRS.

ROOT CONTROL SYSTEM

4. ALL SERVICE TEES OR WYES SHALL BE MANUFACTURER'S STANDARD FITTINGS. CONNECTION CLOSURE SHALL BE BY STANDARD BAND SEAL COUPLINGS WITH 316 STAINLESS STEEL SHEAR RING ON SERVICE ADDITIONS. NO PIPE BREAKING AND CONCRETE PATCHING WILL BE PERMITTED, ONLY NEATLY SNAPPED OR SAWCUT LENGTHS WILL BE ALLOWED. DEEP SEWER - GREATER THAN 10' 5. 8 GAUGE COPPER WIRE FOR TRACING PURPOSES SHALL BE PLACED ON ALL NEW LATERALS AND REPLACEMENT LATERALS WHEN EXCAVATION IS FROM MAIN LINE TO THE PROPERTY LINE CLEANOUT. WHE TO BE BROUGHT TO RISER WITH TWO FEET COILED INSIDE BOX. CONNECTION AT MAIN SEE NOTES 1 AND 4 BAND SEAL 6. TAP-TITE AND TEE CONNECTIONS ARE NOT ALLOWED IN TERMINATING SEWER MAINS (MOST UPSTREAM LINE). COUPLING W/ 316 STAINLESS — I ATERAI 8. CONTRACTOR SHALL INSTALL BEDDING AND BACKFILL MATERIAL AS SHOWN ON WEST BAY SANITARY DISTRICT DETAIL NO. 8. PIPE COVER
LESS THAN 36" - DIP CLASS 50 OR 51
PVC C900 CLASS 200
THE CONNECTION

ATTRAL CONNECTION

36" OR DEEPER - PVC C900 CLASS 150 LATERAL CONNECTIONS

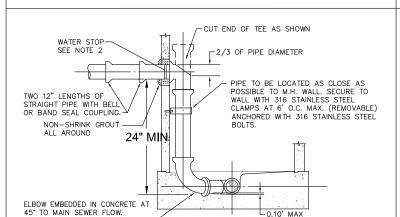
MIN. SLOPE 1" PER FOOT UNLESS OTHERWISE SHOW ON PLAN

MIN. ANGLE 10

TIGHT PLUG, EASILY REMOVABLE BAND SEAL AND STOPPER OR STANDARD END CAP FOR FUTURE CONNECTIONS, OTHERWISE

CONNECT TO EXISTING SEWER.

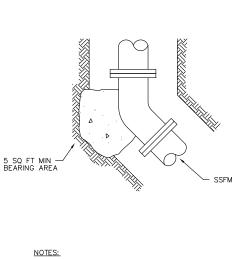
MANHOLE FRAME AND COVER



FOR INSTALLATION IN EXISTING MANHOLES. CHANNEL AND GROUT AS DIRECTED. MANHOLE SECTION TOP 1/2 PIPE REMOVED BEYOND ELL. ALL INSIDE DROP PIPING TO BE SAME SIZE AND MATERIAL AS EXTERNAL PIPE UNLESS APPROVED BY DISTRICT.

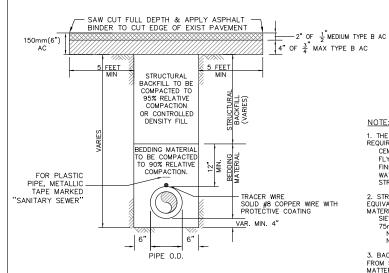
2. AN APPROVED WATER STOP SHALL BE INSTALLED ON ALL FLEXIBLE PIPE ENTERING OR EXITING MANHOLE.

 SEE DETAIL 3 AND 4 FOR MANHOLE DETAIL. DRAFT INSIDE DROP MANHOLE FREYER LAURETA, INC. 3/10/17 SCALE: AS NOTED DESIGNED: JJF PJGCHECKED:  $_{\rm JJF}$ CIVIL ENGINEERS • SURVEYORS • CONSTRUCTION MANAGERS PROJ. ENGR: RJL BY DATE DESCRIPTION OF REVISIONS



CONCRETE SHALL BE CLASS B.

SSFM THRUST BLOCK



FULL DEPTH AC PAVEMENT, 150mm(6") MIN. BUT SHALL NOT BE LESS THAN EXISITING EXISTING PAVEMENT SECTION.

UTILITY TRENCH-CITY OF MENLO PARK-RIGHT OF WAY (MODIFIED PER CITY OF MENLO PARK STANDARDS)

GRANULAR BEDDING MATERIAL REQUIREMENTS (ASTM D448 SIZE #67)

INSTALL WYE C/O AT OR WITHIN FIVE FEET OF PROPERTY LINE

BUILDING SEWER

MM.

1. FOR SEWER DEPTHS FROM MINIMUM COVER TO 5 FEET, USE STANDARD WHE CONNECTION. FOR DEPTHS BELOW 5 FEET, USE STANDARD TEE CONNECTION WITH SLOPING RISER AS SHOWN. TAP—TITE CONNECTIONS MAY BE USED WHERE APPLICABLE.

2. WHEN SEWER IS AT MINIMUM DEPTH, HOLD SERVICE LINE TO MINIMUM SLOPE AND LESSEN COVER AT PROPERTY LINE, OTHERWISE 3 FEET OF COVER TO OFFICIAL GRADE IS REQUIRED AT PROPERTY LINE.

3. THE LOCATION OF ALL SEWER LATERALS SHALL BE MARKED WITH A LETTER "S" ON TOP OF CURB OR BACK OF WALK.

PERCENTAGE PASSING SIEVE SIZES 90-100 20-55 0-10 0-5

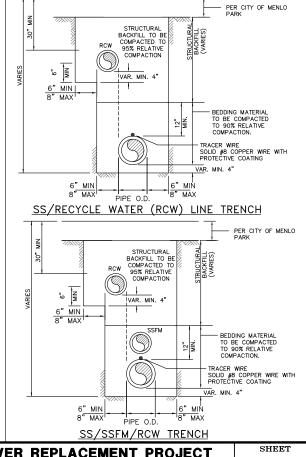
1. THE MIX DESIGN FOR CDF SHALL MEET THE FOLLOWING REQUIREMENTS:

50-100 LB/CU, YD CEMENT FLY ASH, CLASS F FINE AGGREGATE 10-2000 LB/CU. YD 2600-3100 LB/CU.YD WATER STRENGTH @ 28 DAY

2. STRUCTURAL BACKFILL MATERIAL: MATERIAL WITH SAND EQUIVALENT NOT LESS THAN 20 AND SIEVE GRADATION BY MATERIAL AS FOLLOWS:
SIEVE SIZE % PASSING SIEVE

3. BACKFILL MATERIAL: MATERIAL FROM EXCAVATION FREE FROM STONES OR LUMPS EXCEEDING 75mm (3"), VEGETABLE MATTER OR OTHER UNSATISFACTORY MATERIAL.

4. THE WEST BAY SANITARY DISTRICT SHALL BE RESPONSIBLE FOR THE PAYMENT OF PAVEMENT RESTORATION OVER THE MAXIMUM TRENCH WIDTH AS SHOWN ON THE ABOVE DETAIL. ANYTHING BEYOND THE MAXIMUM TRENCH WIDTH, INCLUDING THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS AUTHORIZED BY THE DISTRICT.



# WEST BAY SANITARY DISTRICT SAN MATEO COUNTY

DRAFT

PROJECT No. 1758.5

# SHARON ROAD SEWER REPLACEMENT PROJECT **DETAIL SHEET**

7 JOB NO. 1074 **MENLO PARK, CALIFORNIA**