Ross Valley Sanitary District
2000 Larkspur Landing Circle, Larkspur California, 94939
Larkspur Excavation and Remediation
April 2019

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Cover Sheet, Drawing Index, Location and Vicinity Maps

Bid Documents - Not for Construction

Cover Sheet, Drawing Index, Location and Vicinity Maps

Region Map

Vicinity Map

Property Boundary

Project Location Larkspur, California

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1. The contractor shall comply with the City Noise Ordinance limitations on hours of construction (Monday through Friday, 7AM to 6PM, Saturday 9AM to 5PM, no work on Sunday and legal holidays), and with requirements to install intake and exhaust mufflers on construction equipment.

2. The contractor shall perform as-needed watering for dust control, implement soil stabilization controls, and install perimeter silt fences. Erosion control practices especially for the fill placement and compaction phase of the project. End-of-pipe sediment control measures (e.g., basins and traps) shall be used only as secondary measures. Following the placement and compaction of fill, hydroseeding shall be the primary soil stabilization method, all areas shall be seeded at the completion of the work and irrigated to ensure adequate root development will occur.

3. Traffic control and vehicular and pedestrian safety is the responsibility of the contractor, who shall prepare and obtain approval of a traffic and circulation safety plan from the Public Works Director prior to starting offhaul of soil.
EXISTING UTILITIES SHOW WERE PROVIDED BY ROSS VALLEY SANITARY DISTRICT ARCHIVE FILES AND HAVE NOT BEEN VERIFIED BY KENNEDY/JENKS CONSULTANTS.

UTILITY LOCATIONS TO BE CONFIRMED AND MARKED BY CONTRACTOR PRIOR TO START WORK.

ALL ITEMS SHOW ARE EXISTING UNLESS OTHERWISE NOTED.

BOUNDARY LINES SHOWN WERE ESTABLISHED BY YOUNG SURVEYING PER MAP OF ROSS ACRES Rx BOOK 10 PAGE 12. ELEVATION ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) VIA NATIONAL GEODETIC SURVEY'S (NGS) 'GEOID12B' GEOID MODEL BEING APPLIED TO COMPUTED ELLIPSOID HEIGHT AS TIED TO THE PUBLISHED ELLIPSOID HEIGHT AS SAE CORS SYSTEM T53B.
NOTES:
1. EXISTING UTILITIES SHOWN WERE PROVIDED BY ROSS VALLEY SANITARY DISTRICT ARCHIVE FILES AND HAVE NOT BEEN VERIFIED BY KENNEDY/JENKS CONSULTANTS.
2. UTILITY LOCATIONS TO BE CONFIRMED AND MARKED BY CONTRACTOR PRIOR TO START WORK.
3. CONTRACTOR SHALL PERFORM ROUTINE BACK DUMPING ACTIVITIES IN THE CONTRACTOR PARKING AREA DUE TO PROXIMITY TO RESIDENTS.
4. ALL ITEMS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.
5. ADJUST TEMPORARY FENCE PER TRUCK ROUTE TO ALLOW SUFFICIENT TURNING RADIUS FOR LARGE DISTRICT TRUCKS THAT WILL CONTINUE TO UTILIZE DISTRICT DRIVEWAY.
6. CONTRACTOR IS REQUIRED TO CHARACTERIZE EXISTING STOCKPILES FOR REUSE IN ACCORDANCE WITH SECTION 02120 OF THE SPECIFICATIONS.
7. CONTRACTOR SHALL COORDINATE WITH DISTRICT TO RELOCATE DISTRICT MATERIALS TO "BE DETERMINED" LOCATION ON-SITE OR TEMPORARY AREA DESIGNATED AS "DISTRICT CONTINUED USE". INITIATE COORDINATION 7 DAYS PRIOR TO PLANNED RELOCATION.
8. CONTRACTOR SHALL REFER TO DETAIL 3 ON SHEET C12 FOR STOCKPILE PLASTIC SHEETING REQUIREMENTS.

LEGEND:
- TOE OF EXCAVATION
- APPROX. TOP OF SLOPED EXCAVATION
- APPROX. EXCAVATION SUPPORT AND PROTECTION
- SILT FENCE
- TEMPORARY CONSTRUCTION FENCE

[Diagram with various labels and symbols related to site access, staging areas, demolition, and protection]
NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL CHARACTERIZATION AND WASTE PROFILING REQUIRED BY DISPOSAL FACILITY, EXCEPT NOTE 6.

2. THE ENGINEER SHALL BE RESPONSIBLE FOR COLLECTING THE EXCAVATION CONSTRUCTION SAMPLES AND THE CONTRACTOR SHALL FACILITATE ENGINEER'S ENTRY FOR SAMPLE LOCATION. THE CONTRACTOR SHALL ALLOW 2 BUSINESS DAYS PER DAY SAMPLES ARE COLLECTED FOR ENGINEER'S DETERMINATION.

3. CONTRACTOR SHALL FACILITATE THE ENGINEER TO COLLECT SOIL SAMPLES UNDERNEATH EXISTING SOIL, STORM DRAIN PIPE, AND THE EXISTING MANHOLE STRUCTURE.

4. CHARACTERIZATION OF THE DEMO DERIVIS SHALL BE THE RESPONSIBILITY OF THE ENGINEER AND THE CONTRACTOR SHALL ALLOW 2 BUSINESS FOLLOWING SUBMISSION OF EACH STOCKPILE FOR CHARACTERIZATION.

5. DECONTAMINATION SAMPLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

6. INFORMATION ON THE DEMOLITION DEBRIS CAN BE FOUND IN APPENDIX B OF SPECIFICATIONS. TABLE 6 IS A SUMMARY OF DEMOLITION DEBRIS SAMPLE LOCATIONS. FIGURES 6 THROUGH 10 SHOW THE PLAN VIEW AND SECTIONS OF DEMO EXCAVATION OVERVIEW, KEY MAP, AND GENERAL EXCAVATION NOTES.

7. EXCAVATION SIDEWALL SLOPES OF 1:12 TO 1:18 ASSUMED AT ALL EXCAVATION WHERE SPACE ALLOWS.

8. APPROXIMATE EXTENTS OF EXCAVATION SUPPORT AND PROTECTION AND SHOVEL WORK SPACE IS INDIFFERENT FOR 1:12 TO 1:18 SIDEWALLS.

9. SIDEWALL SLOPING, BENCHED, AND EXCAVATION SUPPORT/PROTECTION TYPE, EXTENTS, AND DESIGN SHALL BE DETERMINED BY THE CONTRACTOR AND SUBMITTED IN THE CONTRACTOR'S TECHNICAL EXECUTION PLAN FOR ENGINEER'S REVIEW.

10. SOIL EXCAVATION FOR CONSTRUCTION PURPOSES SUCH AS SOIL FOR FUTURE UPLANDS, EXCAVATED MAT ETC. SHALL BE SEGREGATED AND STOCKPILED FOR ONSITE REUSE AS BACKFILL.

SHORING SLOPING, BENCHING, AND EXCAVATION SUPPORT/PROTECTION TYPE, EXTENTS, AND DESIGN SHALL BE DETERMINED BY THE CONTRACTOR AND SUBMITTED IN THE CONTRACTOR'S TECHNICAL EXECUTION PLAN FOR ENGINEER'S REVIEW.

CONTRACTOR SHALL FACILITATE THE ENGINEER TO COLLECT SOIL SAMPLES UNDERNEATH EXISTING SOIL STOCKPILES, CONTRACTOR SHALL FACILITATE ENGINEER'S ENTRY FOR SAMPLE LOCATION. THE CONTRACTOR SHALL ALLOW 5 BUSINESS DAYS PER DAY FOLLOWING GENERATION OF EACH STOCKPILE FOR CHARACTERIZATION.


THE ENGINEER SHALL BE RESPONSIBLE FOR COLLECTING THE EXCAVATION CONFIRMATION SAMPLES AND THE CONTRACTOR SHALL ALLOW 2 BUSINESS DAYS PER DAY SAMPLES ARE COLLECTED FOR ENGINEER'S DETERMINATION.

STORM DRAIN PIPE, AND THE EXISTING MANHOLE STRUCTURE.

CONTRACTOR SHALL FACILITATE THE ENGINEER TO COLLECT SOIL SAMPLES UNDERNEATH EXISTING SOIL, STORM DRAIN PIPE, AND THE EXISTING MANHOLE STRUCTURE.

SIDEWALL SLOPING, BENCHED, AND EXCAVATION SUPPORT/PROTECTION TYPE, EXTENTS, AND DESIGN SHALL BE DETERMINED BY THE CONTRACTOR AND SUBMITTED IN THE CONTRACTOR'S TECHNICAL EXECUTION PLAN FOR ENGINEER'S REVIEW.

CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL CHARACTERIZATION AND WASTE PROFILING REQUIRED BY DISPOSAL FACILITY, EXCEPT NOTE 6.

THE ENGINEER SHALL BE RESPONSIBLE FOR COLLECTING THE EXCAVATION CONSTRUCTION SAMPLES AND THE CONTRACTOR SHALL FACILITATE ENGINEER'S ENTRY FOR SAMPLE LOCATION. THE CONTRACTOR SHALL ALLOW 2 BUSINESS DAYS PER DAY SAMPLES ARE COLLECTED FOR ENGINEER'S DETERMINATION.

CONTRACTOR SHALL FACILITATE THE ENGINEER TO COLLECT SOIL SAMPLES UNDERNEATH EXISTING SOIL, STORM DRAIN PIPE, AND THE EXISTING MANHOLE STRUCTURE.

SIDEWALL SLOPING, BENCHED, AND EXCAVATION SUPPORT/PROTECTION TYPE, EXTENTS, AND DESIGN SHALL BE DETERMINED BY THE CONTRACTOR AND SUBMITTED IN THE CONTRACTOR'S TECHNICAL EXECUTION PLAN FOR ENGINEER'S REVIEW.

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EXCAVATION OVERVIEW, KEY MAP, AND GENERAL EXCAVATION NOTES
1. Protect and monitor existing retaining walls in place per specs.

EXCAVATION STABILIZATION

(E) SOIL NAIL WALL

- Protect in Place

LEGEND:

- Soils
- Designated Soil
- Gritty Soils
- Depth of excavation (ft)
- Elevation of bottom excavation (ft AMSL)
- Elevation of bottom contour minor (ft)
- Elevation of bottom contour major (ft)
- Elevation of bottom spot elevation (ft)
- Confirmation sample

- No remedial excavation required
- Approx. excavation support and protection
- Demolition debris (approx.)
- Excavation bottom contour minor (ft)
- Excavation bottom contour major (ft)
- Excavation bottom spot elevation (ft)

NOTES:

- Match line see sheet C07 for continuation

Ross Valley Sanitary District
2000 Larkspur Landing Circle, Larkspur, California 94939

Larkspur Excavation and Remediation

Kennedy/Jenks Consultants
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LEGEND:

- SOIL FOR REUSE
- NON-HAZARDOUS WASTE
- TSCA WASTE
- DEMO DEBRIS

PROFILE @ STA: 2+50

PROFILE @ STA: 3+00

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Larkspur Excavation and Remediation

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Sections 3 of 4

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4/5/2019 3:55 PM

4/5/2019

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NOTES:
1. APPROX. 6.5 ACRES OF DISTURBED AREA PER SPECIFICATIONS TO CONTROL EROSION.
2. CRUSHED AGGREGATE SHALL BE USED FOR ALL GRAVEL ROADWAYS OR PAVING PER SPECIFICATIONS.

LEGEND:
- GRASSED SWALE
- RESTORE MANHOLE, DI AND ALL PIPEING
- STRAW BALE BARRIER

QUANTITIES

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<th>IMPORT</th>
<th>EXPORT</th>
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<tr>
<td></td>
<td>41,000 BCY</td>
<td>21,100 BCY</td>
</tr>
<tr>
<td></td>
<td>73,800 TONS</td>
<td>73,800 TONS</td>
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SOIL FOR REUSE

15" PVC DI RIM = 21.40
INV = 15.65

21.97
15.84
**DOUBLE GATE**

7 FEET EACH GATE
12 INCH DIA. x 3 FEET DEEP
HINGE
HINGE
TENSION BANDS & STRETCHER BAR
AT EACH SIDE,
(TYPICAL FOR ALL GATES SHOWN)

HINGE
HINGE
STRAIN POST
BARBED-WIRE APRON ON EXTENSION ARMS

N.T.S.

**CONSTRUCTION ENTRANCE GATE**

5'-0" MAXIMUM
LINE POSTS TO BE EQUALLY SPACED

TOP RAIL OR TENSION WIRE
BRACE RAIL
CLIPS (TYP.)
LINE POST
TENSION WIRE
HOG RINGS (TYP.)
LINE POST
TENSION WIRE
HOG RINGS (TYP.)
CHAIN-LINK TRUSS ROD (3/8" MIN. DIA.)
CHAIN-LINK TEMPORARY FENCE DETAIL
TIE WIRES OR HOG RINGS (TYP.)
CORNER, END, OR PULL POST
6'-0"

**STOCKPILE PLASTIC SHEETING**

1. PLASTIC SHALL BE POLYETHYLENE OR EQUIVALENT AND IS INTENDED FOR TEMPORARY USE IN YARDS PROJECT AREA DURING

2. PLASTIC SHEETING SHALL WEAR A MINIMUM THICKNESS OF 6 MIL.

3. RUN PLASTIC UP AND DOWN SLOPE, NOT ACROSS SLOPE.

4. MINIMUM OF 12 INCH OVERLAP AT SEAMS.

5. PLACE SAND FILLED BURLAP OR GEOTEXTILE BAGS EVERY 5 TO 10 FEET ALONG SEAMS AND SECURE IN PLACE.

6. INSPECT PLASTIC FOR DAMAGE AND REPAIR IMMEDIATELY.

**NOTES:**

1. SITE PREPARATION: REMOVE ALL

2. VEGETATION AND OTHER UNSUITABLE

3. MATERIAL FROM THE FOUNDATION AREA,

4. GRADE AND CROWN FOR POSITIVE

5. DRAINAGE.

6. PLACE WOVEN TEXTILE LINER ON THE

7. GRADED FOUNDATION TO IMPROVE

8. STABILITY.

9. MAINTENANCE: REAPPLY STONE AS NEEDED

10. TO MAINTAIN INTEGRITY OF ENTRANCE.

**STABILIZED CONSTRUCTION ENTRANCE**

**TEMPORARY FENCE**

**DRAINAGE INLET PROTECTION FILTER**

1. THESE INLETS NEED TO BE REMOVED

2. AT THE END OF THE JOB.

3. STORM DRAIN INLETS ARE ONLY TO BE

4. INSTALLED IN DRAINAGE DEVICES PER THE

5. MANUFACTURER'S RECOMMENDATIONS.

6. INSERTS SHALL BE INSPECTED AND MAINTAINED

7. WHEN A 1/2 INCH RAIN ACCUMULATES WITHIN A

8. 24 HOUR PERIOD. CLEAN AND/OR REPLACE INSERT

9. WHEN HALF OF THE TRAP IS FILLED WITH SEDIMENTS.

**DIAGRAMS**

**SIDE VIEW**

**TOP VIEW**

**FRONT VIEW**

**STABILIZED CONSTRUCTION ENTRANCE 2**

**TEMPORARY FENCE 5**

**DRAINAGE INLET PROTECTION FILTER 6**
N.T.S.

6" (TYP.) BASE ROCK, 6" MIN. THICKNESS. COMPACT TO 95% OF MAX. DENSITY 6" MAX. FOR PIPES UP TO 12" DIA; 12" MAX. FOR LARGER PIPES (TYP.)

GRADE RINGS, 18" MAX 6" MIN. 9" MAX.

FORM FLOW CHANNEL BEFORE CONCRETE SETS. REMOVE TOP HALF OF PIPE IN MANHOLE AND SLOPE LEDGE 1:12

GROUT UNDER CASTING E'ECCENTRIC CONE PRECAST SECTION (TYP.)

NOTE: RING AND COVER SHALL BE ABOVE GRADE TO PROTECT AGAINST FLOOD CONDITIONS IN NON- PAVED AREAS.

SLOPE LEDGE 1:12 POURED CONCRETE BASE #4 @ 12" E.W.

CIVIL DETAILS II

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ROSS VALLEY SANITARY DISTRICT LARKSPUR EXCAVATION AND REMEDIATION

CIVIL DETAILS II

NOTE: SLOPE LEDGE SHEET PAVING MATERIALS BE CURVED TO CONFORM TO MEDIAN SLOPE