Appendix B. Draft 95% Project Plan Sheets
NOTES:
1. Dimensions of the pavement structures (structural sections) are subject to tolerances specified in the standard specifications.
2. Exact locations and types of dikes and curb are shown on the layouts and in the summary of quantities sheets.

ROUTE 1
DESIGN DESIGNATION

Table:

| ADT (2023) | 29,600 | 0 | 51.2% |
| ADT (2026) | 31,100 | 1 | 5.0%  |
| Detailed Data | 35,600 | V | 60 mph |

GW ref

| ESAL20 | 4,409,000 | Ti | 10.4% |
| ESAL40 | 9,445,000 | Ti | 12.0% |

PAVEMENT CLIMATE REGION
MEDITERRANEAN

ABBREVIATIONS:
BOW - BACK OF SIDEWALK
RHMA (TYPE G) - RUBBERIZED HOT MIX ASPHALT (GAP GRADED)
RHMA (TYPE O) - RUBBERIZED HOT MIX ASPHALT - OPEN GRADED (OPEN GRADED FRICTION COURSE)

EXISTING PAVEMENT STRUCTURE SECTIONS:

1. Multimodal Trail
   0.35' Cl 2 AB
   0.2' RHMA (G)

2. City N. Main Project Limit
   0.10' RHMA (G)
   0.0' TO 0.5' AS

3. Full Depth Structural Section (Widening)
   1.95' Cl 2 AB with Subgrade Enhancement Geogrid
   0.45' HMA (A)
   0.20' RHMA (G)
   0.10' RHMA (A)

4. Overlay
   0.10' COLD PLANE AC
   0.05' HMA (A)
   0.05' HMA (C)
   0.15' HMA (A)

5. Curb Ramps
   0.35' Minor Concrete
   0.35' Cl 2 AB

6. Sidewalk
   0.35' Minor Concrete
   0.35' Cl 2 AB

7. Top Lift
   0.10' COLD PLANE AC
   0.05' HMA (A)

8. Pilarsito Creek Bridge
   0.10' COLD PLANE AC
   0.10' POLYESTER CONCRETE OVERLAY

TYPICAL CROSS SECTIONS
NO SCALE

TYPICAL CROSS SECTIONS
X-1
"SR1" 398+54.81 TO 404+77.70
"SR1" 392+62.33 TO 398+96.44
"SR1" 389+51.75 TO 392+62.33
"SR1" 386+14.94 TO 389+51.75
"SR1" 398+54.81 TO 404+77.70

ROUTE 1
TYPICAL CROSS SECTIONS
NO SCALE

"SR1" 372+00 TO 405+63.70
"SR1" 406+62 TO 409+97.28

"SR1" 409+97.28 TO 410+52.28

"SR1" 405+63.70 TO 411+76.88

ROUTE 1

TYPICAL CROSS SECTIONS

NO SCALE

X-3
"SR 1" 426+36.58 TO 432+79.70

ROUTE 1

TYPICAL CROSS SECTIONS
NO SCALE

X-5
"SR1" 432+79.70 TO 443+37.78

ROUTE 1

TYPICAL CROSS SECTIONS
NO SCALE

X-6
"SR1" 489+05.83 TO 494+96.88

"SR1" 490+68.27 TO 493+12.61
"SR1" 485+62.92 TO 487+14.84

"SR1" 481+73.45 TO 495+27.76

ROUTE 1
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

E l G r a n a d a

LAYOUT
SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

SAN MATEO COUNTY

El Granada

LAYOUT
SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1
NOTE:
For accurate right of way data, contact Right of Way Engineering at the District Office.

ECON
6/11 CONF
Z-1

05 SW
1
27.6/24.6
-
-

PRELIMINARY CIVIL ENGINEER DATE

30 HOURS
STATE OF CALIFORNIA
COUNTY OF SANTA CLARA
COUNTY OF SANTA CLARA

DANIT A. RICHARDS
S.A. TAVARAS
1110 ALUM ROCK STREET
SAN JOSE, CA 95113-2354
CATHERINE L. DEAN
1140 RINCON AVENUE
SANTA CLARITA, CA 91390-2072

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

DOUGLAS L. RISTEDT (S.D. No. 0411)

REPORTED CIVIL ENGINEER DATE

WEST JUERGEN M. KIM
SOUTH JASON K. WONG
AST A. RAYMOND YU

SOUTH S. WONG

11/7/2010

L-24

LAYOUT
SCALE: 1" = 50'

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET 1-1

### CURVE DATA

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<th>No.</th>
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ROUTE 1
"SR1" IN - 

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
```

### MATCH LINE

```
"SR1" 675+23.17 BC
```

### CURVE DATA

```

49.98' LT "SR1" AT 777.20

59.90' LT "SR1" AT 650.91
```

### FOR NOTES, ABBREVIATIONS

AND LEGEND, SEE SHEET L-1
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

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<td>N 54°50'49&quot; W</td>
<td>5980096.653</td>
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FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1.
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

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FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET L-1

LAYOUT
SCALE: 1" = 50'

NOTE:
710
715
2
0
8
9
7
6
5
4
3
2
1

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

NOTE:
710
715
2
0
8
9
7
6
5
4
3
2
1

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

CURVE DATA

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<th>L</th>
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<th>E-COORDINATE</th>
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40.11' Lt "SR1" +09.40
SILT FENCE (TYPE 1)

47.71' Lt "SR1" +08.51
SILT FENCE (TYPE 1)

SILT FENCE (TYPE 1)
TEMPORARY REINFORCED
45.11' Lt "SR1" +09.40

SILT FENCE (TYPE 1)
TEMPORARY REINFORCED
47.71' Lt "SR1" +08.51

SILT FENCE (TYPE 1)
TEMPORARY REINFORCED
49.67' Lt "SR1" +06.43

8.18' Lt "SR1" +93.18
SILT FENCE (TYPE 1)

9.35' Lt "SR1" +75.99
SILT FENCE (TYPE 1)

FOR NOTES, ABBREVIATIONS
AND LEGEND, SEE SHEET 1-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

SANG KIM
C66289
06-30-24

FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

SCALE: 1" = 50'

0418000053EA029.DGN

USERNAME => ernie.garnica
DGN FILE =>
NOTE:

FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

APPROVED FOR DRAINAGE WORK ONLY
NOTE:
FOR G1, DETAIL NOT SHOWN SEE STANDARD PLAN:
D73B, D73C, D73F, D73G, AND D77B.

UNLINE DITCH (TYPICAL)

SECTION B-B
GRADE TO DRAIN
SO FLOWLINE
2" x 1" OPENING
OG

SECTION A-A

PLAN
CULVERT WITH END SECTION

RSP DETAIL
VARIOUS LOCATIONS

DRAINAGE DETAILS
DD-1

G1 W/ SIDE OPENING

NOT IN SAN MATEO COUNTY LCP
## DRAINAGE QUANTITIES

<table>
<thead>
<tr>
<th>DRAINAGE SYSTEM NO.</th>
<th>DRAINAGE UNIT</th>
<th>DESCRIPTION</th>
<th>AMOUNT</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>G1 INLET W/ SIDE OPENING</td>
<td>REMOVE CULVERT</td>
<td>44.68'</td>
<td>EA</td>
</tr>
<tr>
<td>2</td>
<td>RSP</td>
<td>35.98'</td>
<td>LF</td>
<td>62.02'</td>
</tr>
<tr>
<td>3</td>
<td>RSP</td>
<td>35.98'</td>
<td>LF</td>
<td>62.02'</td>
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<tr>
<td>4</td>
<td>RSP</td>
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<td>62.02'</td>
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<td>5</td>
<td>RSP</td>
<td>35.98'</td>
<td>LF</td>
<td>62.02'</td>
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(N) - NOT A SEPARATE BID ITEM
## Seed Mix

<table>
<thead>
<tr>
<th>Mix</th>
<th>Botanical Name</th>
<th>Percent Germination</th>
<th>Pounds Pure Live Seed per Acre</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1</td>
<td>(White Yarrow) ACHILLEA MILLEFOILIUM</td>
<td>56%</td>
<td>7</td>
<td></td>
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<tr>
<td>2</td>
<td>(Blue Wildrye, Berkeley) ELYMUS GLAUCUS, BERKELEY</td>
<td>56%</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>(California Brome) BROMUS CARINATUS</td>
<td>75%</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>(Small Fescue) FESTUCA MICROSTACHYS</td>
<td>53%</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>(Meadow Barley) HORDEUM BRACHYANTHERUM</td>
<td>53%</td>
<td>5</td>
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<tr>
<td>6</td>
<td>(Purple Needlegrass) STIPA PULCHRA</td>
<td>55%</td>
<td>6</td>
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<tr>
<td>7</td>
<td>(Small Fescue) VULPIA MICROSTACHYS</td>
<td>56%</td>
<td>6</td>
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</table>

### Erosion Control Type 1

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Item</th>
<th>Material</th>
<th>Application Rate</th>
<th>Depth</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>Step 1</td>
<td>Hydroseed</td>
<td>Fiber</td>
<td>4000 lb/acre</td>
<td></td>
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<tr>
<td>Step 2</td>
<td>Hydromulch</td>
<td>Tackifier</td>
<td>PSYLLIUM</td>
<td>200 lb/acre</td>
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### Erosion Control Type 2

<table>
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<th>Sequence</th>
<th>Item</th>
<th>Material</th>
<th>Application Rate</th>
<th>Depth</th>
<th>Remarks</th>
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<tr>
<td>Step 1</td>
<td>Hydroseed</td>
<td>Fiber</td>
<td>4000 lb/acre</td>
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<tr>
<td>Step 2</td>
<td>Hydroseed</td>
<td>Fiber</td>
<td>4000 lb/acre</td>
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<tr>
<td>Step 3</td>
<td>Hydromulch</td>
<td>Tackifier</td>
<td>PSYLLIUM</td>
<td>200 lb/acre</td>
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### Fiber Rolls

- **Remarks:** Fiber rolls must be installed after rolled erosion control product (hydroseed) and before hydromulch.
SECTION

EROSION CONTROL AT MGS

PLATE sizing of soils

EROSION CONTROL TYPE 2

SLOPE 2:1 OR STEEPER

KEY TRENCH FOR
VEG CONTROL

EROSION CONTROL TYPE 1

SLOPE LESS THAN 2:1

NO EROSION
CONTROL

2 Typ

PLAN

EROSION CONTROL TYPE 1 AT FES-SLOPED AREAS LESS THAN 2:1
Erosion Control Detail

Erosion Control (Type 2) at FES-Sloped Areas

Isometric

Erosion Control (Type 2) on Slope

Isometric

Key Trench-Sloped Areas

Elevation

Plan

Erosion Control (Type 2) at FES-Sloped Areas

Limits of DSA-
1' Min

Limits of DSA-
1' Min

Limits of DSA-
1' Min

Limits of DSA-
1' Min
### Erosion Control Quantities

<table>
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<tr>
<th>SHEET NO.</th>
<th>LOCATION</th>
<th>DESCRIPTION</th>
<th>HYDROMULCH MATERIALS (IN)</th>
<th>HYDROSEED MATERIALS (IN)</th>
<th>REMARKS</th>
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<td></td>
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#### Note
- Not in San Mateo County LCP

### Details

- **ECQ-1**
- See ECD-1 erosion control at MGS detail
- For drainage system 1-see EC details
- For drainage system 2-see EC details
- For drainage system 3-see EC details
- For drainage system 4-see EC details

#### Erosion Control Quotations

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**Total: 1,800**

**Sheet: 3**

*(N) = Not a separate EC item*