ST MARY'S ROAD STABILIZATION PROJECT

GENERAL NOTES

1. STANDARD SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, 2015 EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.

CITY WILL ACQUIRE INITIAL PERMITS FOR DEPARTMENT OF FISH AND WILDLIFE (DFW), UNITED STATES ARMY CORPS OF ENGINEERS (USACOE), REGIONAL WATER QUALITY CONTROL BOARDS (RWQCB). CONTRACTOR TO PAY FEES AND SCHEDULE PRECONSTRUCTION MEETINGS WITH ALL APPLICABLE AGENCIES.

3. TRAFFIC CONTROL AND PUBLIC SAFETY

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGGING, AND OTHER DEVICES NECESSARY FOR TRAFFIC CONTROL AND PUBLIC SAFETY.

4. EXISTING FACILITIES

EXISTING SITE IMPROVEMENTS TO REMAIN MAY INTERFERE WITH THE WORK. THESE FACILITIES SHALL BE PROTECTED OR REMOVED AND REPLACED WITH LIKE KIND AND QUALITY AT THE CONTRACTOR'S EXPENSE.

5. SITE INFORMATION

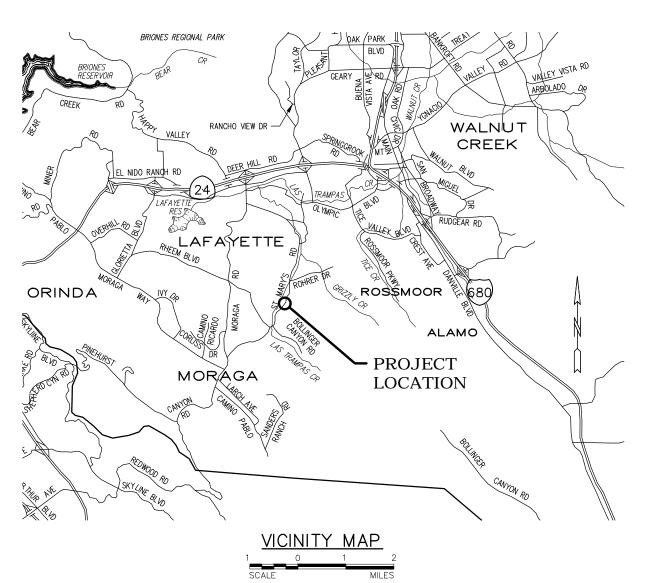
THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL ABOVE GROUND AND UNDERGROUND FACILITIES WHICH MAY BE AFFECTED BY HIS OPERATIONS. THE CONTRACTOR SHALL CONTACT OWNERS OF THESE FACILITIES AND SHALL PROTECT FACILITIES AND MAINTAIN SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

DIMENSIONS AND LIMITS OF WORK SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE BASED ON CONDITIONS ENCOUNTERED. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

6. INSPECTIONS AND TESTING

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO ALL REQUIRED INSPECTIONS AND TESTING. INSPECTIONS AND TESTING SHALL BE COMPLETED BY CAL ENGINEERING & GEOLOGY (925)935-9771.

BETWEEN WALLABI CT AND DRIFTWOOD DR LAFAYETTE, CALIFORNIA FEMA 4301-DR-CA, CALOES ID 013-39122 **LAFAYETTE PROJECT NO. 360-861-2017.1 JULY 2017**



DESCRIPTION OF WORK

THE WORK SHALL CONSIST IN GENERAL OF PROVIDING ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE ROAD STABILIZATION PROJECT. WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: MOBILIZATION, WATER POLLUTION CONTROL, DEVELOP SITE ACCESS, CLEARING & GRUBBING, EXCAVATION, SURFACE AND SUBSURFACE DRAINAGE SYSTEMS, TEMPORARY SHORING PILES, WOOD LAGGING, RETAINING WALL, DRAINAGE INLET, RSP PLACEMENT, SOIL INFILLING, AND

CONTRACTOR LICENSE

THE CONTRACTOR SHALL POSSESS A VALID CLASS A LICENSE AT THE TIME THE CONTRACT IS AWARDED.

INDEX OF SHEETS

- 1. TITLE SHEET
- 2. SITE PLAN
- 3. TYPICAL SECTION
- CREEK DIVERSION PLAN
- STAGING PLAN
- 6. PLANTING PLAN

STANDARD PLANS

THE FOLLOWING STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS, 2010 EDITION, APPLY:

ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2) A10B ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)

A10C SYMBOLS (SHEET 1 OF 2)

SYMBOLS (SHEET 2 OF 2) A10D

TEMPORARY WATER POLLÚTION CONTROL DETAILS

(TEMPORARY SILT FENCE)

T56 TEMPORARY WATER POLLUTION CONTROL DETAILS

(TEMPORARY FIBER ROLLS)

MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION

(WOOD POST WITH WOOD BLOCK)

MIDWEST GUARDRAIL SYSTEM TYPICAL LINE POST (EMBEDMENT AND HINGE POINT OFFSET DETAILS)

THE FOLLOWING CONTRA COSTA COUNTY STANDARD PLANS 2008 EDITION, APPLY:

TYPE "J" INLET

TYPE II MANHOLE BASE





1870 Olympic Blvd. Suite 100 Walnut Creek, CA 94596 Phone: (925) 935-9771

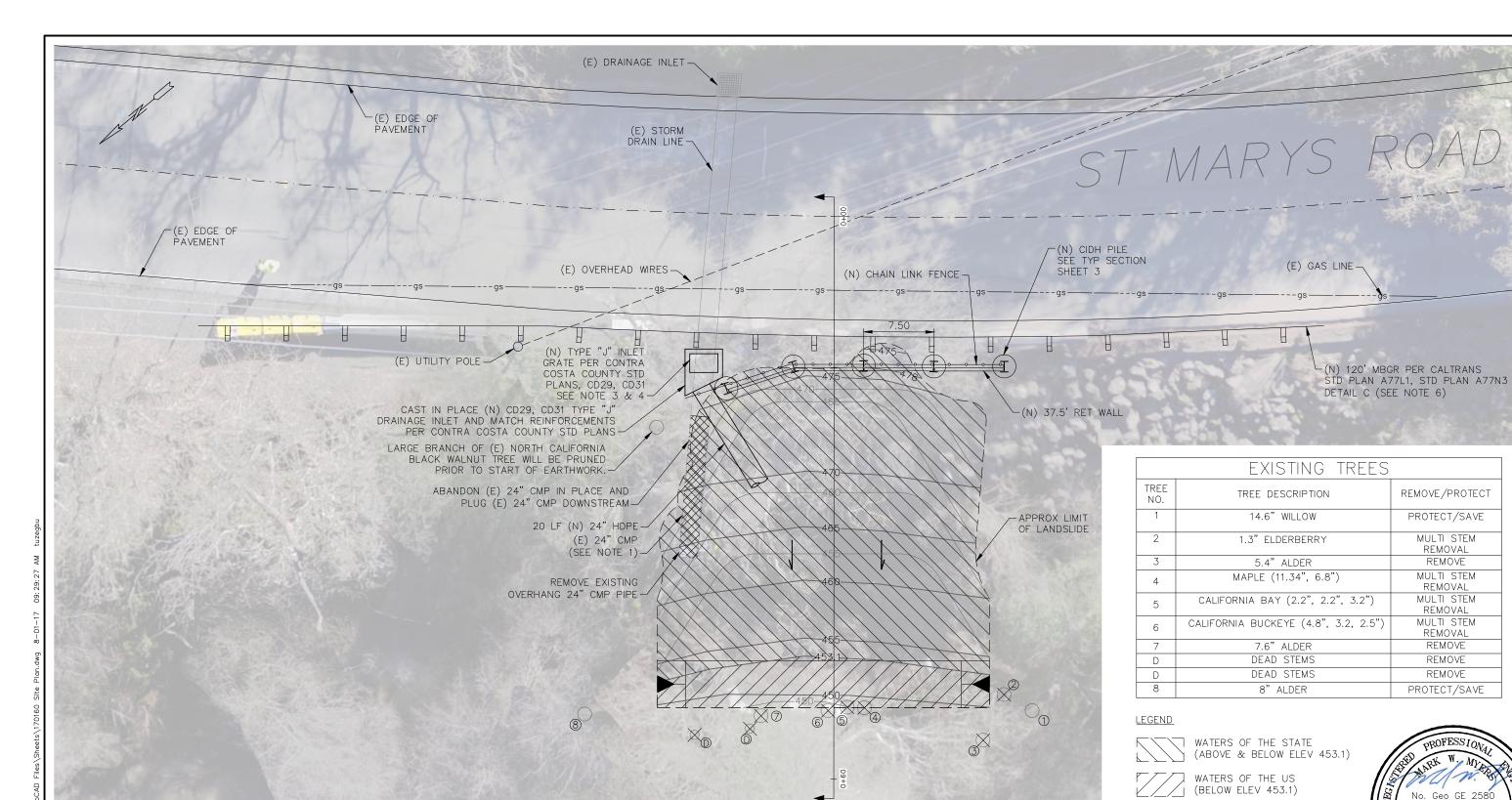
ST. MARY'S ROAD STABILIZATION PROJECT ST. MARY'S ROAD (BETWEEN WALLABI CT AND DRIFTWOOD DR) LAFAYETTE, CALIFORNIA

TITLE SHEET

T. UZEGBU M. MYERS

M. MYERS

PROJECT NO. JULY 2017 170160



<u>NOTES</u>

- 1. CONTRACTOR SHALL CUT PORTION OF (E) 24" CORRUGATED METAL PIPE (CMP) AND ABANDON PORTION NOT IN CONFLICT WITH REPAIR. EXISTING 24" CMP WILL DISCHARGE TO NEW DRAINAGE INLET. CONTRACTOR SHALL PLUG UPSTREAM END OF CMP AND ABANDONED IN PLACE.
- 2. CONTRACTOR SHALL INSTALL NEW 24" HDPE PIPE AND DRAINAGE INLET.
- 3. CONTRACTOR SHALL CONFORM TO EXISTING GRADE AT GRATE ELEVATION FOR NEW DRAINAGE
- 4. FLOW LINE ELEVATION SHALL CONFORM TO EXISTING FLOW LINE AT NEW DRAINAGE INLET
- 5. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY UTILITIES AND NOTIFY USA.
- 6. CONTRACTOR SHALL REMOVE 25 FEET OF EXISTING METAL BEAM GUARDRAIL PRIOR TO CONSTRUCTION OF NEW SEGMENT.



CAL ENGINEERING & GEOLOGY

M. MYERS

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ST. MARY'S ROAD STABILIZATION PROJECT ST. MARY'S ROAD (BETWEEN WALLABI CT AND DRIFTWOOD DR) LAFAYETTE, CALIFORNIA

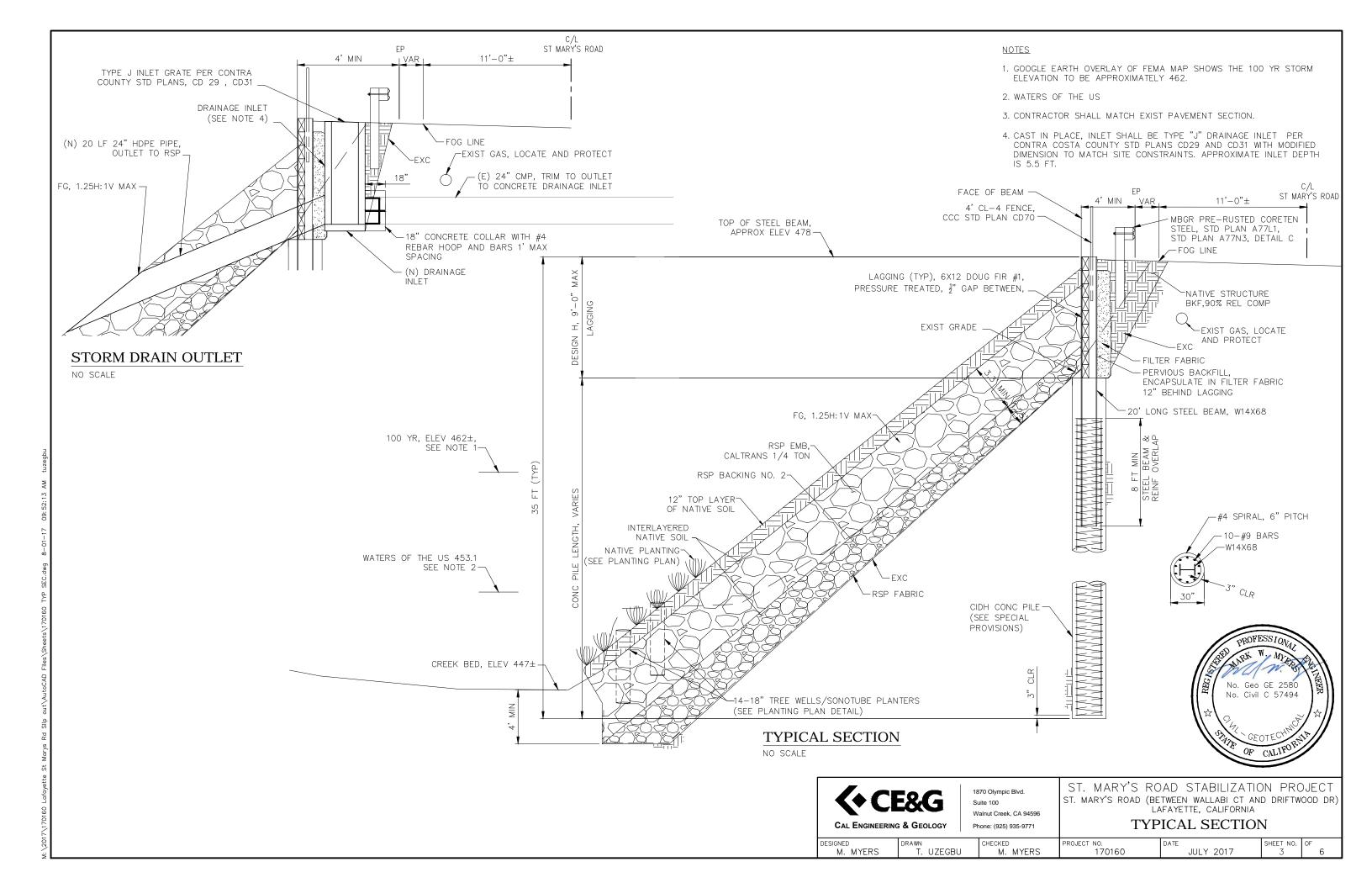
SITE PLAN

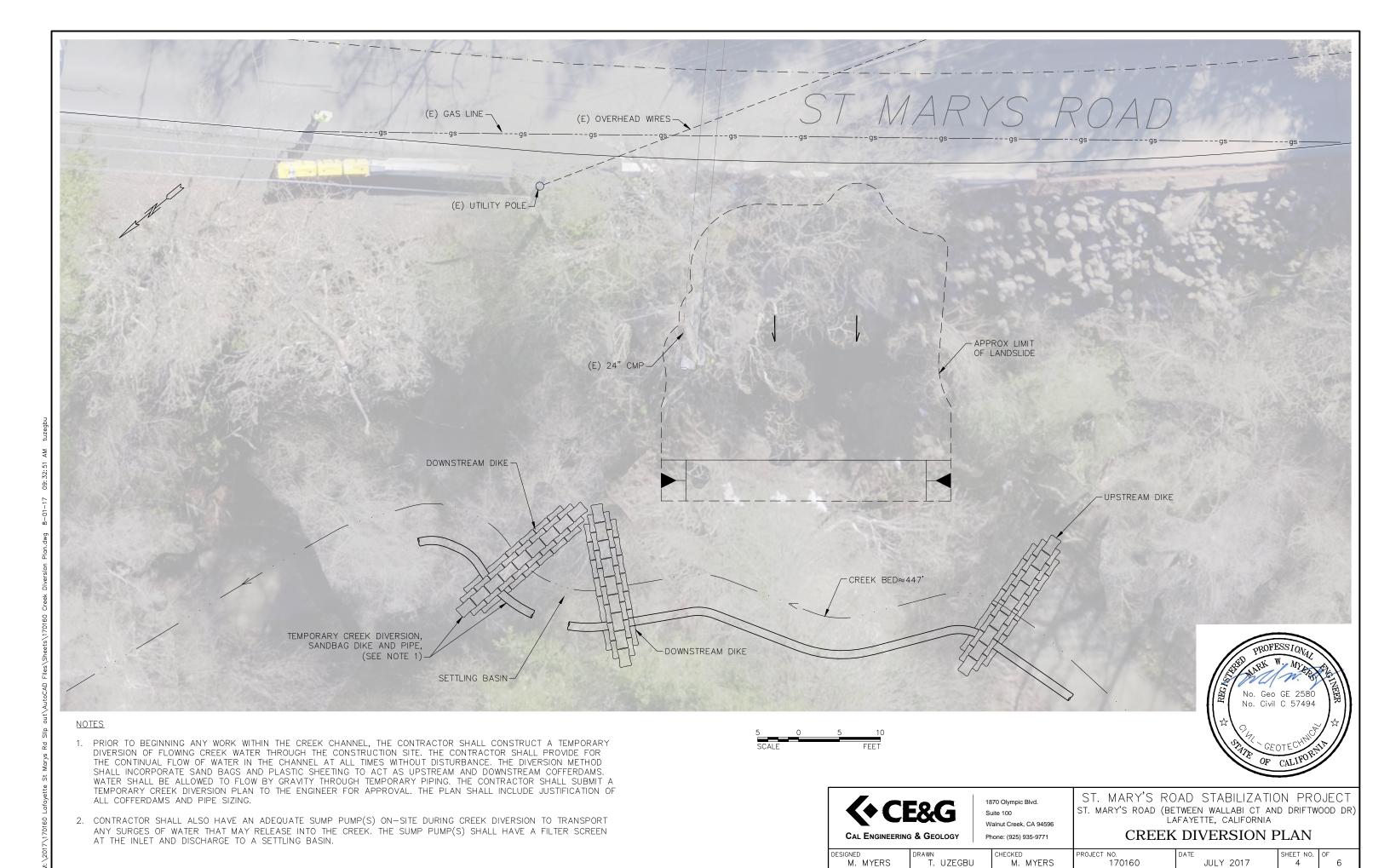
JULY 2017 170160

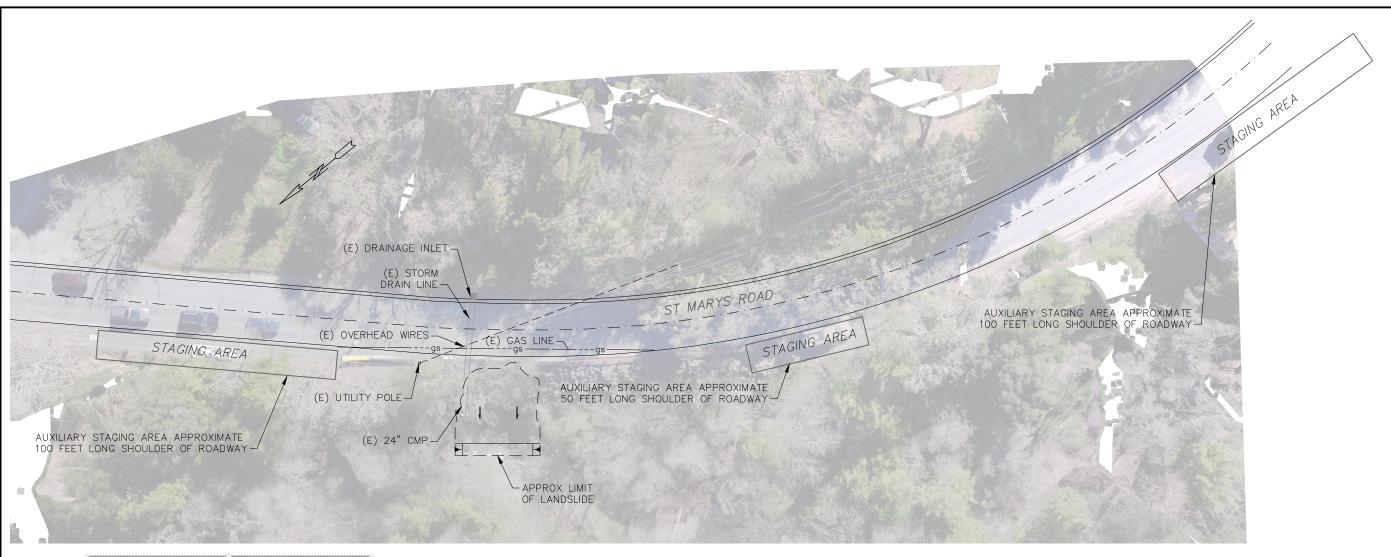
M. MYERS

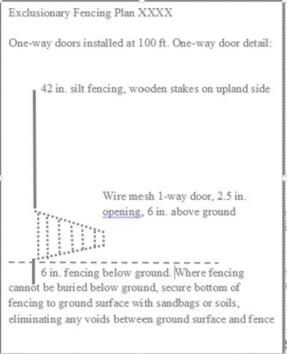
PROJECT NO.

No. Civil C 57494









WILDLIFE EXCLUSIONARY FENCING DETAIL

NO SCALE



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ST. MARY'S ROAD STABILIZATION PROJECT ST. MARY'S ROAD (BETWEEN WALLABI CT AND DRIFTWOOD DR) LAFAYETTE, CALIFORNIA

No. Geo GE 2580 No. Civil C 57494

STAGING PLAN

DESIGNED M. MYERS DRAWN T. UZEGBU CHECKED M. MYERS SHEET NO. OF JULY 2017

<u>NOTES</u>

1. WILDLIFE EXCLUSIONARY FENCE SHALL BE PLACED AROUND STAGING AREAS UTILIZED BY THE

PROJECT NO. 170160

July 2017

Table 1: Plant Palette

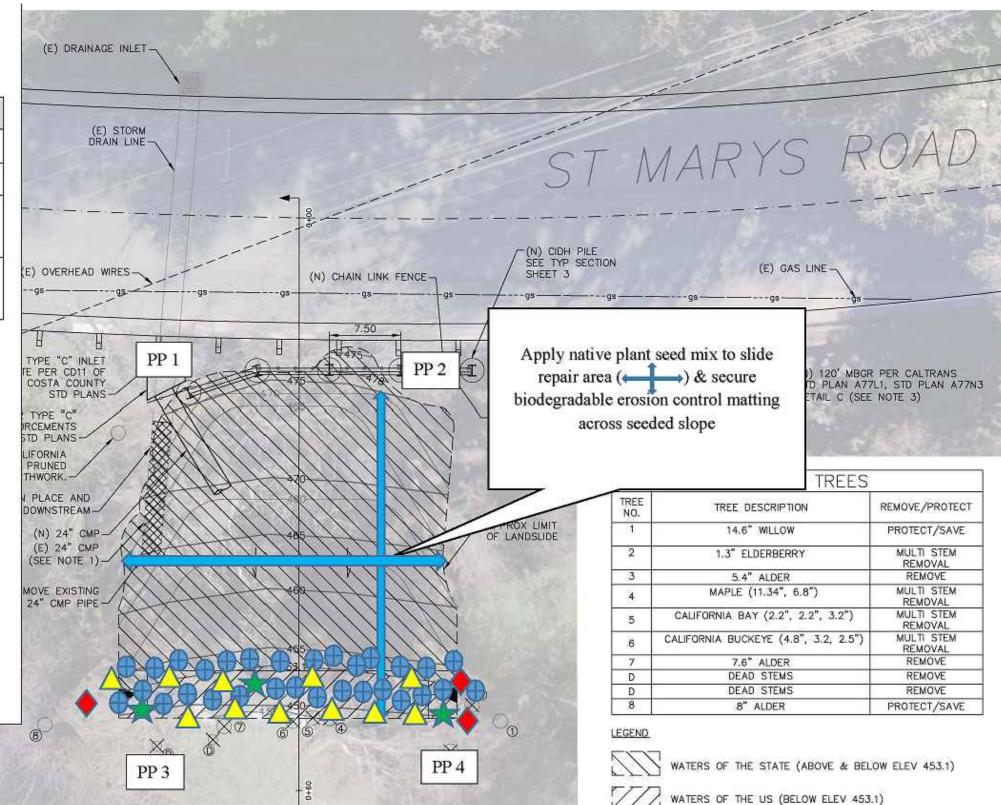
Species Name	Symbol	Type	Spacing	No. plants
Rubus ursinus California blackberry	•	1 gal or D-40	3' O.C	30
Alnus rhombifolia white alder	*	5 gal	10° O.C., sonotubes	3
Salix lasiolepis, S. laevigata, S. exigua arroyo, red or sandbar willow	_	pole cuttings	5' O.C., sonotubes	11
Salix lasiolepis, S. laevigata, S. exigua arroyo, red or sandbar willow	•	pole cuttings	5' O.C.,	3

Table 2: Native Plant Seed Mix 0.04 ac (1,920 SF)

Species	Rate lbs/acre	
Achillea millefolium, yarrow	0.75	
Artemisia douglasiana, mugwort	2	
Baccharis pilularis, coyote bush	0.5	
Bromus carinatus, CA brome	4	
Eschscholzia californica, CA poppy	2	
Elymus glaucus, blue wild rye	8	
Lupinus bicolor, annual lupine	4	
Nassella pulchra, purple needle-grass	2	
Scrophularia californica, beeplant	2	
Sisyrinchium bellum, CA blue-eyed grass	2	
Trifolium obtusiflorum, creek clover	6	
Vulpia microstachys, three-weeks fescue	6	
Total	38.75	

Photo point locations

PP





1690 San Pablo Aven Suite D Pinole,CA 94564

ST. MARY'S ROAD STABILIZATION PROJECT ST. MARY'S ROAD (BETWEEN WALLABI CT AND DRIFTWOOD DR) LAFAYETTE, CALIFORNIA

PLANTING PLAN

Phone: (510) 964-0394 PROJECT NO. 170160 JULY 2017 J. BENDIX