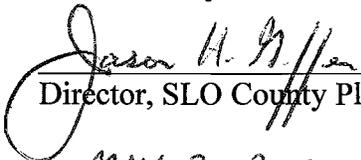


Condition 21	Erosion Control-Surface Waters
<p>Prior to commencement of grading activities for each facility, the plans shall provide for the control of surface water away from slopes to the satisfaction of the Planning Director in consultation with the Public Works Department.</p>	
<p>Evidence of compliance:</p> <p>Construction of the collection system portion of the Los Osos Wastewater Project will require grading during construction of the leach fields that will be located on the Broderson property and some minimal grading for trenching, the nine (9) pump stations and their associated back up generator buildings. Graded slopes will be minimal to non-existent, however, in order to minimize the potential for erosion and loss of top soil during construction, a storm water pollution prevention plan (SWPPP) was prepared for both the leach fields and the collection system. The SWPPP was filed with the State Water Resources Control Board and the contractor will be required to adhere to provisions within the SWPPP.</p> <p>For condition compliance verification, attached are pertinent 11x17 copies of the SWPPP plan sheets showing the erosion control measures to be implemented during construction of the collection system portion of the LOWWP. The erosion control measures shown on the SWPPP will provide control of surface waters, protect slopes and minimize erosion during construction.</p> <p>For reference, and verification of condition compliance, <u>copies of plans prepared by a Certified Professional in Erosion and Sediment Control</u> are attached. Specifically the following sheets show information relative to erosion control:</p> <p>C-ED-331, SWPPP007, SWPPP008, SWPPP011 to 016, SWPPP017 and 018, SWPPP021 to 023, SWPPP025</p> <p>Note: Because the wastewater treatment facility design has not been completed, evidence of compliance will be submitted under separate cover.</p>	

Collection System Condition Satisfied



 Director, SLO County Planning

 MAY 3, 2012

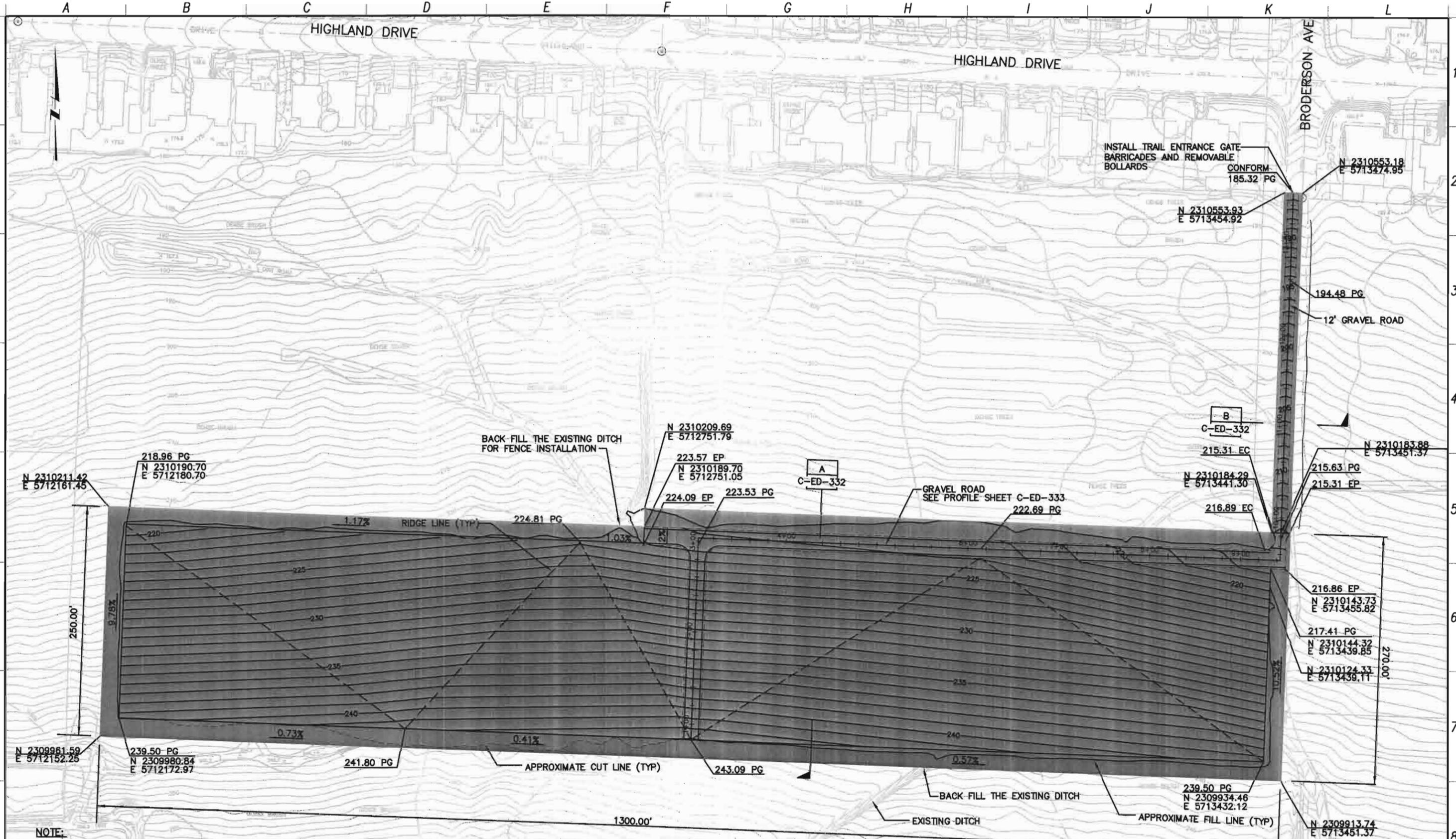
 Date

Treatment Plant Condition Satisfied

 Director, SLO County Planning

 Date

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NOTE:
 1. SHADED AREA OF ACCESS-ROAD AND FENCED EFFLUENT DISPOSAL SITE IS 7.96 ACRES.

PROPOSED GRADING PLAN
 SCALE: 1"=50'

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: RLA
 DRAWN BY: MAR
 CHECKED BY: RLA
 DATE: APRIL 2012

CDM Smith
 2285 Gateway Oaks Drive, Suite 240
 Sacramento, CA 95833
 Tel: (916) 567-9900



IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY



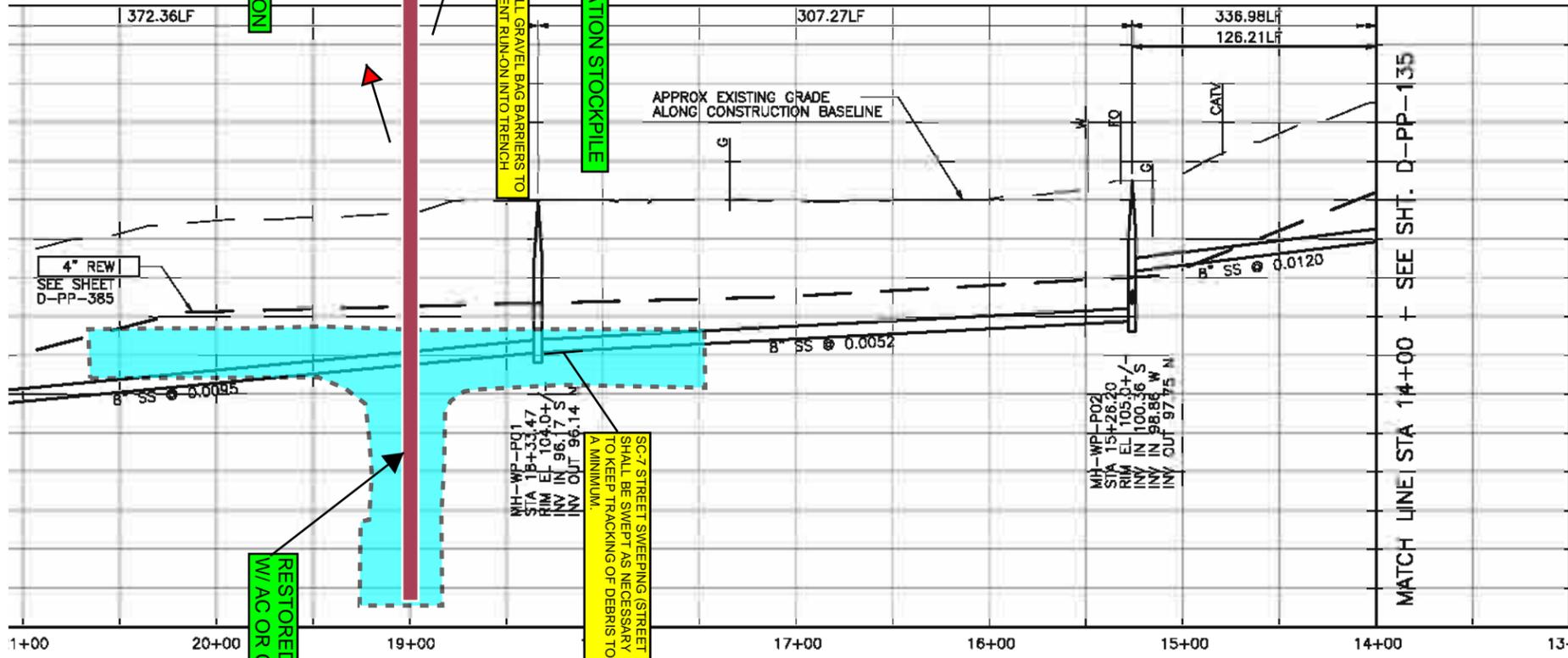
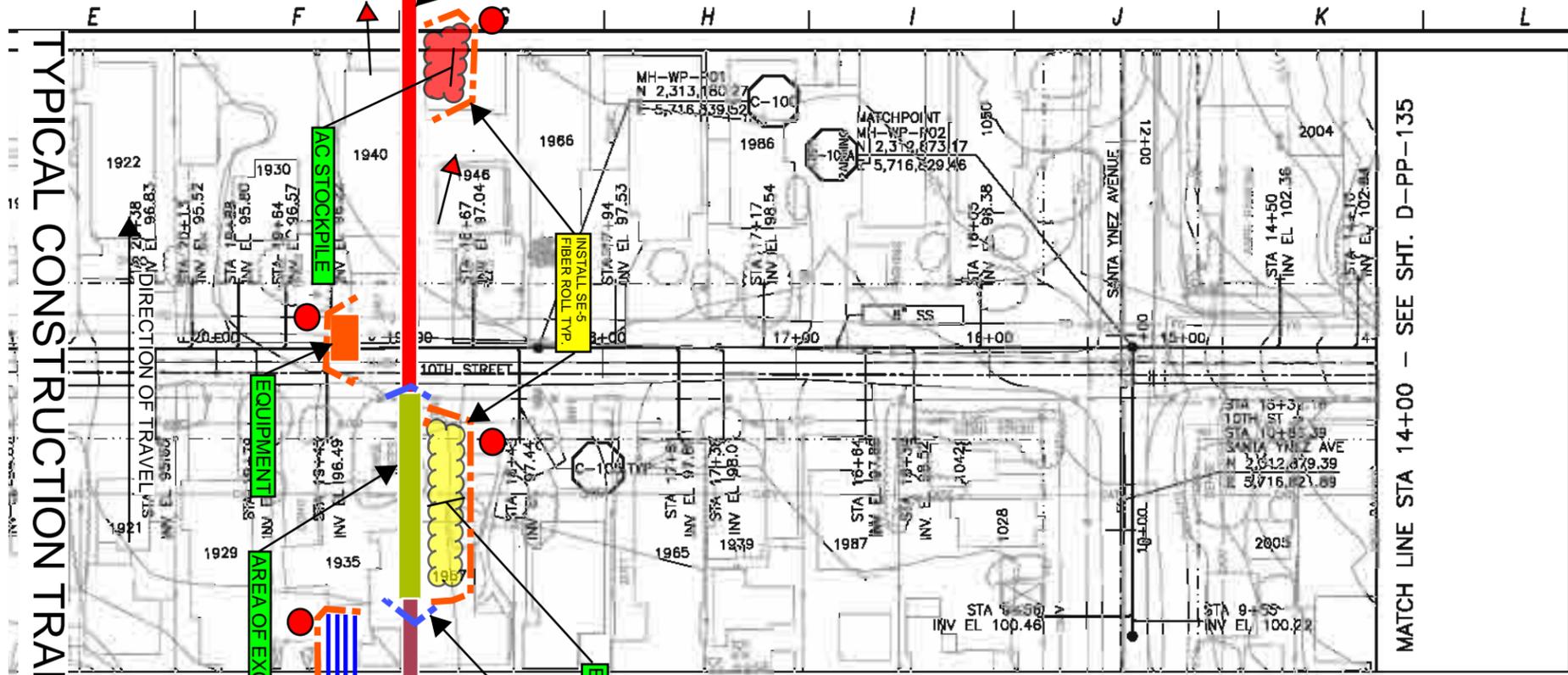
DIGALERT
 DIAL TOLL FREE
 1-800-642-2444
 AT LEAST TWO DAYS BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

LOS OSOS WASTEWATER COLLECTION SYSTEM
EFFLUENT DISPOSAL SYSTEM
BRODERSON EDS
SITE GRADING PLANS

PROJECT NO. 42502-83120
 FILE NAME: C-ED-331
 SHEET NO.
C-ED-331

PRELIMINARY - NOT FOR CONSTRUCTION

SEE SHEET D-PP-135 FOR CONTINUATION



PLAN AND PROFILE 10TH STREET STA. 22+05.83 TO 14+00.00

LOS OSOS WASTEWATER COLLECTION SYSTEM
PLAN AND PROFILE
10TH STREET
STA. 22+05.83 TO 14+00.00

PROJECT NO. 12502-83120
 FILE NAME: D-PP-134
 SHEET NO.
D-PP-134

SCALE:
 HORZ: 1"=40'
 VERT: 1"=4'

Dresser & McKee Inc.
 340 GATEWAY OAKS DRIVE
 SACRAMENTO, CA 95833
 Tel (916) 567-9900
 Fax (916) 584-5018

IF THIS BAR DOES NOT MEASURE 1" THEN ADJUST SCALE ACCORDINGLY

DIAL TOLL FREE 1-800-642-2444 AT LEAST 90 DAYS BEFORE YOU DIG

LEGEND

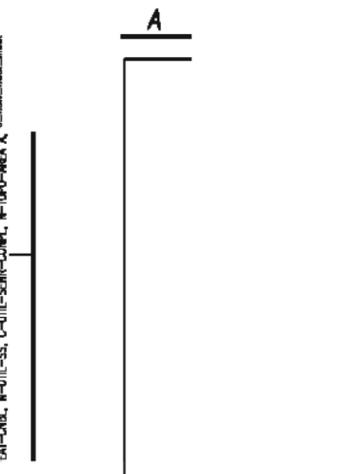
- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- SE-1 SILT FENCE
- SE-6 GRAVEL BAG BARRIERS
- SE-7 STREET SWEEPING AND VACUUMING
- WM-8 CONCRETE WASH OUT
- SAMPLING POINT
- DIRECTION OF FLOW
- EQUIPMENT
- AREA OF EXCAVATION
- EXCAVATION STOCKPILE
- RESTORED TRENCH W/AC OR COLD PATCH

SWPPP PLAN NOTES:

1. ALL EROSION CONTROL NOTES ON SWPPP SHEETS SHALL APPLY TO THIS PLAN.
 2. ALL PERIMETER PROTECTIONS, I.E. SILT FENCING AND FIBER ROLLS ARE CONSIDERED PHASE ONE CONTROLS AND SHALL BE INSTALLED PRIOR TO THE BEGINNING OF WORK ON THE SITE AS PRACTICABLE.
 3. GRAVEL BAGS AND FIBER ROLLS IN GRADED AREAS SHALL BE INSTALLED AS PRACTICABLE AND IN CONFORMANCE WITH RAIN CONDITIONS.
 4. HYDROSEED, MULCH AND WIND PROTECTION MEASURES SHALL BE APPLIED IF AREAS ARE NOT TO RECEIVE FURTHER WORK WITH IN 14 DAYS.
 5. HYDROMULCH SHALL BE APPLIED AFTER ALL GRADING WORK IS PERFORMED AND DEEMED COMPLETE. FIBER ROLLS MAY REMAIN IN PLACE AFTER WORK COMPLETION.
 6. FOR RESPONSIBLE CHARGE OF EROSION CONTROL DEVICES SEE SWPPP BOOK SECTION 6.1.
 7. ALL DETAILS FOR EROSION DEVICES ARE SHOWN ON DETAIL SHEETS AND IN APPENDIX H.
 8. HYDROMULCH, HYDROSEED AND OR WIND EROSION PREVENTION MEASURES PER BMP'S EC.3, 4, 6 OR WE-1 SHALL BE PUT IN PLACE AS SOON AS PRACTICABLE.
 9. SAMPLING POINT ARE AS SHOWN ON PUMP STATION PLANS AND SHALL BE DETERMINED IN THE FIELD ON THE LINEAR CONSTRUCTION AT APPROPRIATE LOCATIONS.
 10. DETENTION RETENTION FACILITIES ARE TO BE CLEANED OF DEBRIS AND SOIL AS NECESSARY AND PRACTICABLE.
- SHEET NOTES:**
1. EXCAVATION, RESTORATION AND GRINDING / SAWCUTTING RESTRICTIONS ARE PER THE CIVIL ENGINEERING DOCUMENTS AND SPECIFICATIONS.
 2. THIS SHEET IS INTENDED TO DEPICT A TYPICAL CONSTRUCTION TRAIN. EROSION DEVICES SHALL BE IMPLEMENTED AS NECESSARY TO CONTROL BOTH EROSION AND SEDIMENT TRANSPORT.
 3. ADDITIONAL BMP'S ARE SHOWN IN APPENDIX H.
 4. STOCKPILED MATERIAL SHALL BE COVERED WITH PLATIC OR GEOTEXTILE AND SECURED PRIOR TO RAIN EVENTS AND FOR WIND EROSION PREVENTION TO PREVENT MATERIAL EROSION.
 5. ALL RUN-OFF AS PRACTICABLE SHALL BE DIRECTED AT NON-ERODABLE SURFACES
 6. ALL RUN-ON SHALL BE DIRECTED AWAY FROM THE OPEN EXCAVATIONS AND STOCKPILES AS PRACTICABLE.

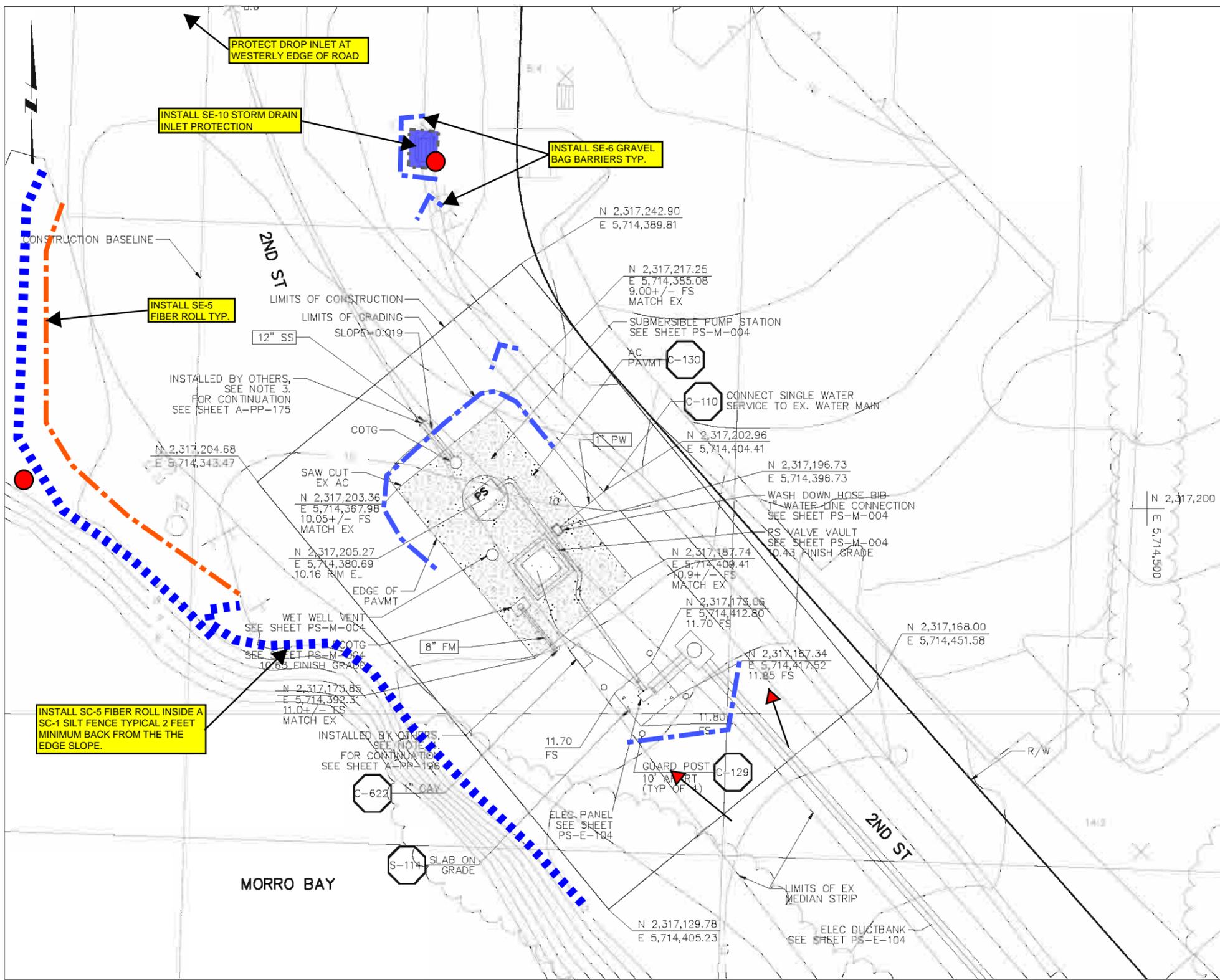
TYP. STREET SWPPP

REV. NO.	DATE	DRWN	CHKD	REMARKS

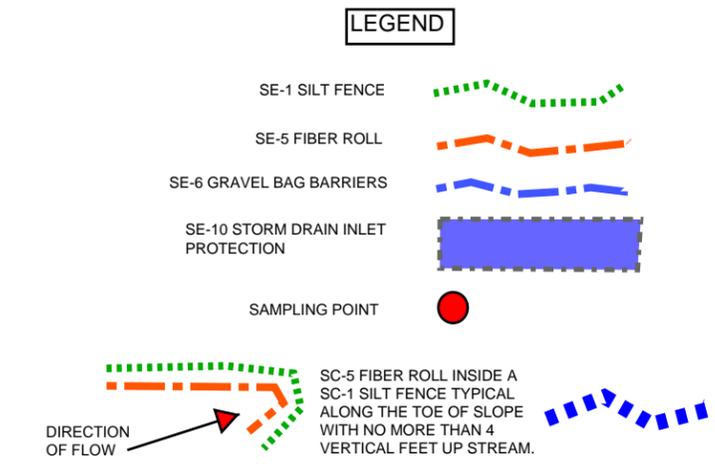


Checked by: [Signature]
 Date: JANUARY 2012

SWPPP-008



- SWPPP PLAN NOTES:**
1. ALL EROSION CONTROL NOTES ON SWPPP SHEETS SHALL APPLY TO THIS PLAN.
 2. ALL PERIMETER PROTECTIONS I.E. SILT FENCING AND FIBER ROLLS ARE CONSIDERED PHASE ONE CONTROLS AND SHALL BE INSTALLED PRIOR TO THE BEGINNING OF WORK ON THE SITE AS PRACTICABLE.
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- SHEET NOTES:**
1. ALL STOCKPILED MATERIAL SHALL BE REMOVED PRIOR TO ANY RAIN EVENTS AT THIS LOCATION.
 2. STREETS SHALL BE SWEEP AS NECESSARY TO PREVENT TRACKING OF MATERIAL AND SEDIMENT TRANSFER.
 3. CONCRETE WASHOUT SHALL BE PERFORMED AT A REMOTE LOCATION FROM THIS SITE.
 4. PROJECT SAMPLING POINT IS THE CULVERT OUTLET TO THE WEST OF THE WORK AREA AND AS SHOWN ON THIS PLAN.
 5. RESTORE AC PAVING AS SOON AS PRACTICABLE.



BAYWOOD PUMP STATION
PLAN
1" = 10'
5 0 10

LOS OSOS WASTEWATER COLLECTION SYSTEM

BAYWOOD PS SWPPP

SWPPP-011

consultant:

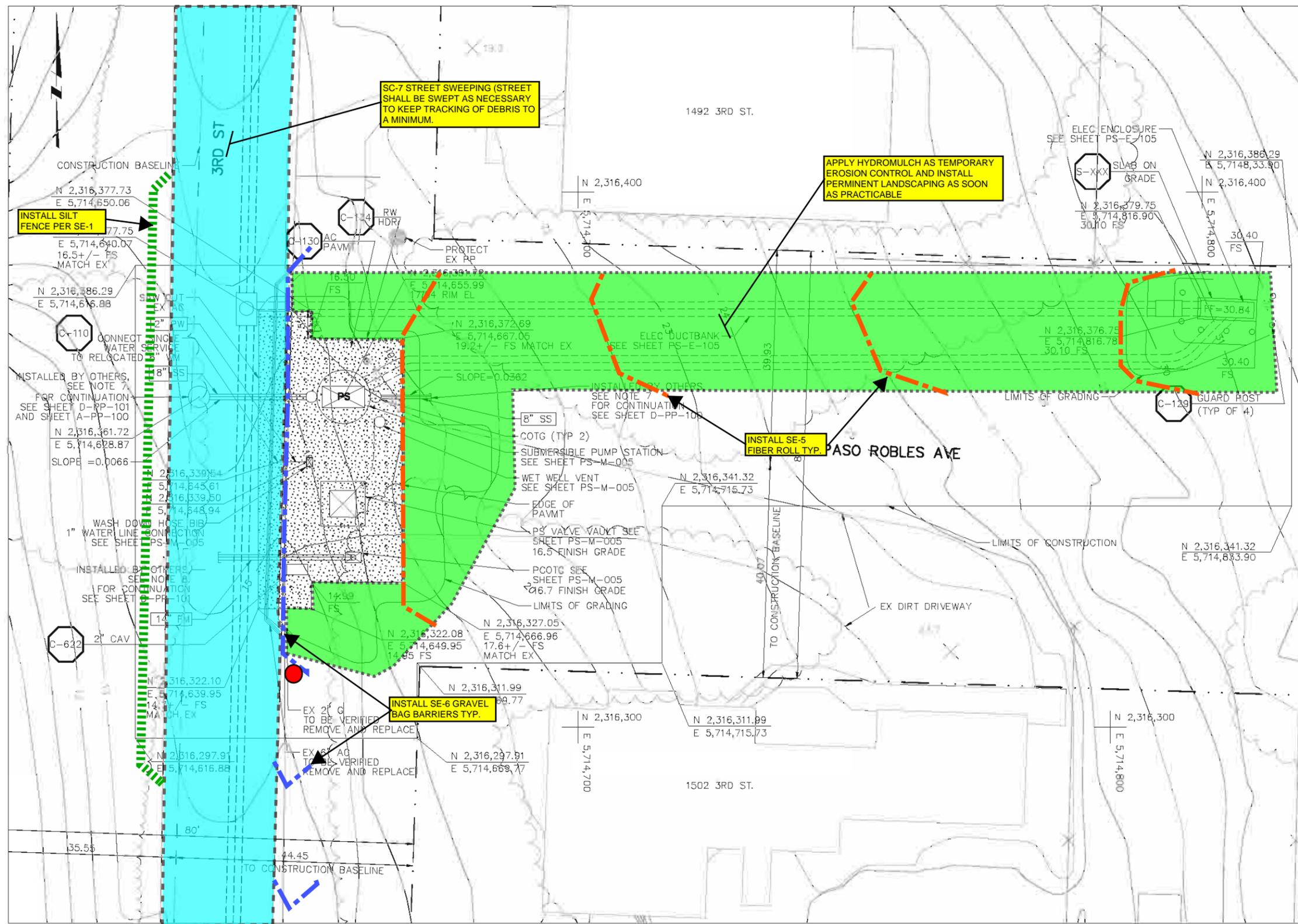
groundUP
Design & Construction Management

Robert W. Carnes
Registered Construction Inspector RC #5291
CRES #2554 03/01/17 #201811
Dix, Oak 1-383, 2019/01/19, ca 93447
ph & fax 805-277-4139
cell 440-9982
email: rwcarnes@earthlink.net

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EROSION AND SEDIMENT CONTROL

PRELIMINARY - NOT FOR CONSTRUCTION

1
2
3
4
5
6
7
8



LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- SE-1 SILT FENCE
- SE-5 FIBER ROLL
- SE-6 GRAVEL BAG BARRIERS
- SE-7 STREET SWEEPING AND VACCUING
- SE-10 STORM DRAIN INLET PROTECTION
- EC-3/6 HYDRAULIC MULCH, STRAW AND/OR WE-1 WIND EROSION PREVENTION
- SAMPLING POINT

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SHEET NOTES:

1. CONTRACTOR SHALL PAY SPECIAL ATTENTION TO TRACKING OF MATERIAL DUE TO LACK OF AN AREA TO ESTABLISH A CONSTRUCTION ENTRANCE AT THIS SITE.
2. NO CONCRETE WASHOUT WILL BE ALLOWED AT THIS SITE. CONCRETE WASHOUT SHALL BE DONE REMOTELY.

consultant:

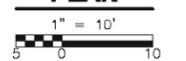
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Robert W. Carnes
Registered Construction Inspector RC #5291
CREC #5554 03/07/2011
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WEST PASO PUMP STATION

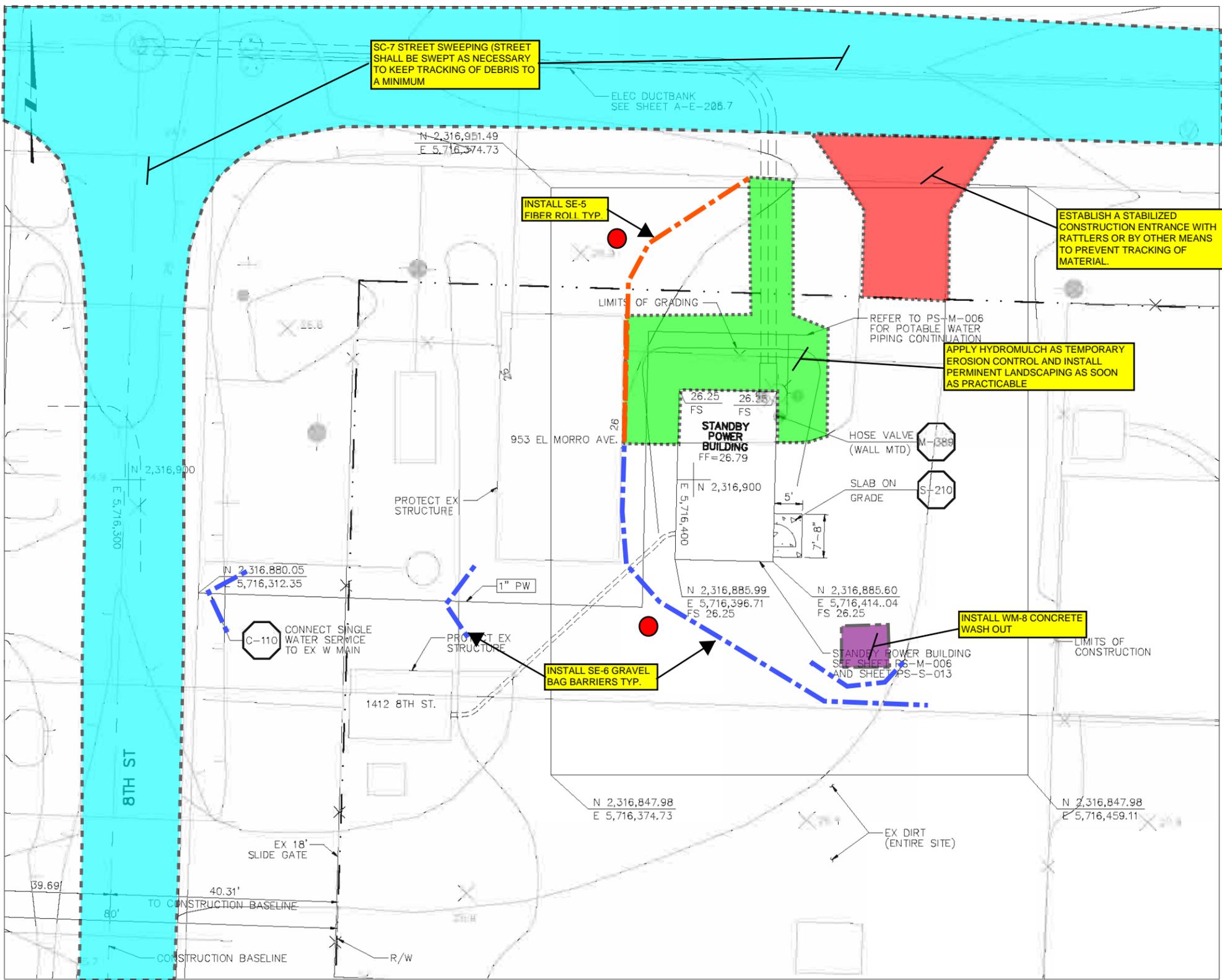
PLAN



LOS OSOS WASTEWATER COLLECTION SYSTEM

WEST PASO PS SWPPP

SWPPP-012



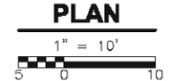
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LEGEND

TC-1 STABILIZED CONSTRUCTION ENTRANCE	
SE-1 SILT FENCE	
SE-5 FIBER ROLL	
SE-6 GRAVEL BAG BARRIERS	
SE-7 STREET SWEEPING AND VACCUING	
EC-3 / 6 HYDRAULIC MULCH / STRAW, EC-4 HYDROSEED AND/OR WE-1 WIND EROSION PREVENTION	
WM-8 CONCRETE WASH OUT	
SAMPLING POINT	

PRELIMINARY - NOT FOR CONSTRUCTION

BAYWOOD/WEST PASO STANDBY POWER



LOS OSOS WASTEWATER COLLECTION SYSTEM

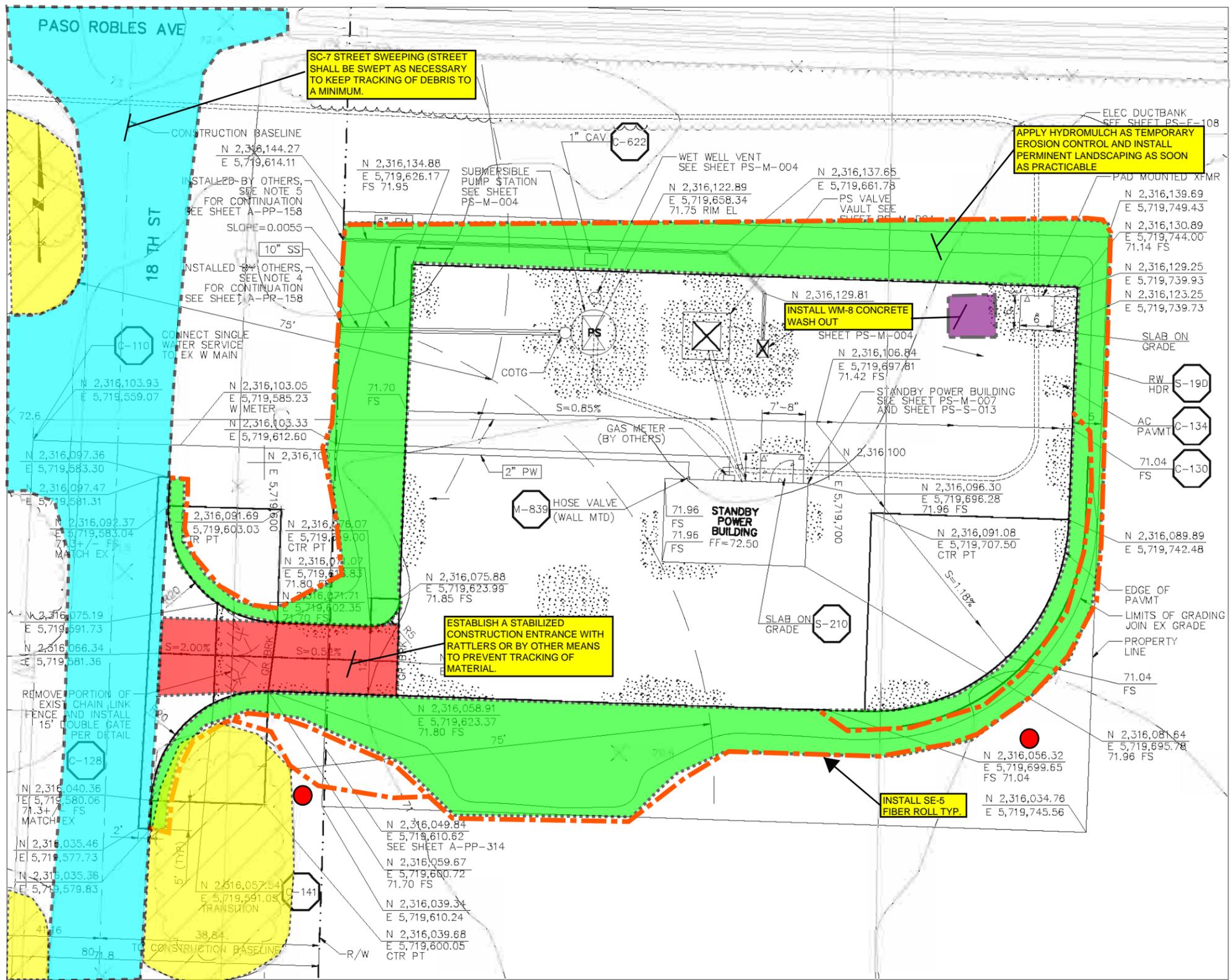
BAYWOOD/WEST PASO SBP SWPPP

consultant:

groundUP
Design & Construction Management

Robert W. Carnes
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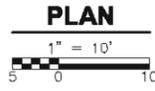


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LEGEND:

- WETLANDS (Yellow hatched box)
- TC-1 STABILIZED CONSTRUCTION ENTRANCE (Red dashed box)
- SE-1 SILT FENCE (Green dashed line)
- SE-5 FIBER ROLL (Orange dashed line)
- SE-6 GRAVEL BAG BARRIERS (Blue dashed line)
- SE-7 STREET SWEEPING AND VACCUMING (Cyan dashed line)
- EC-3 / 6 HYDRAULIC MULCH, STRAW AND/OR WE-1 WIND EROSION PREVENTION (Green dashed line)
- WM-8 CONCRETE WASH OUT (Purple dashed box)
- SAMPLING POINT (Red circle)

EAST PASO PUMP STATION



LOS OSOS WASTEWATER COLLECTION SYSTEM

EAST PASO PS SWPPP

SWPPP-014

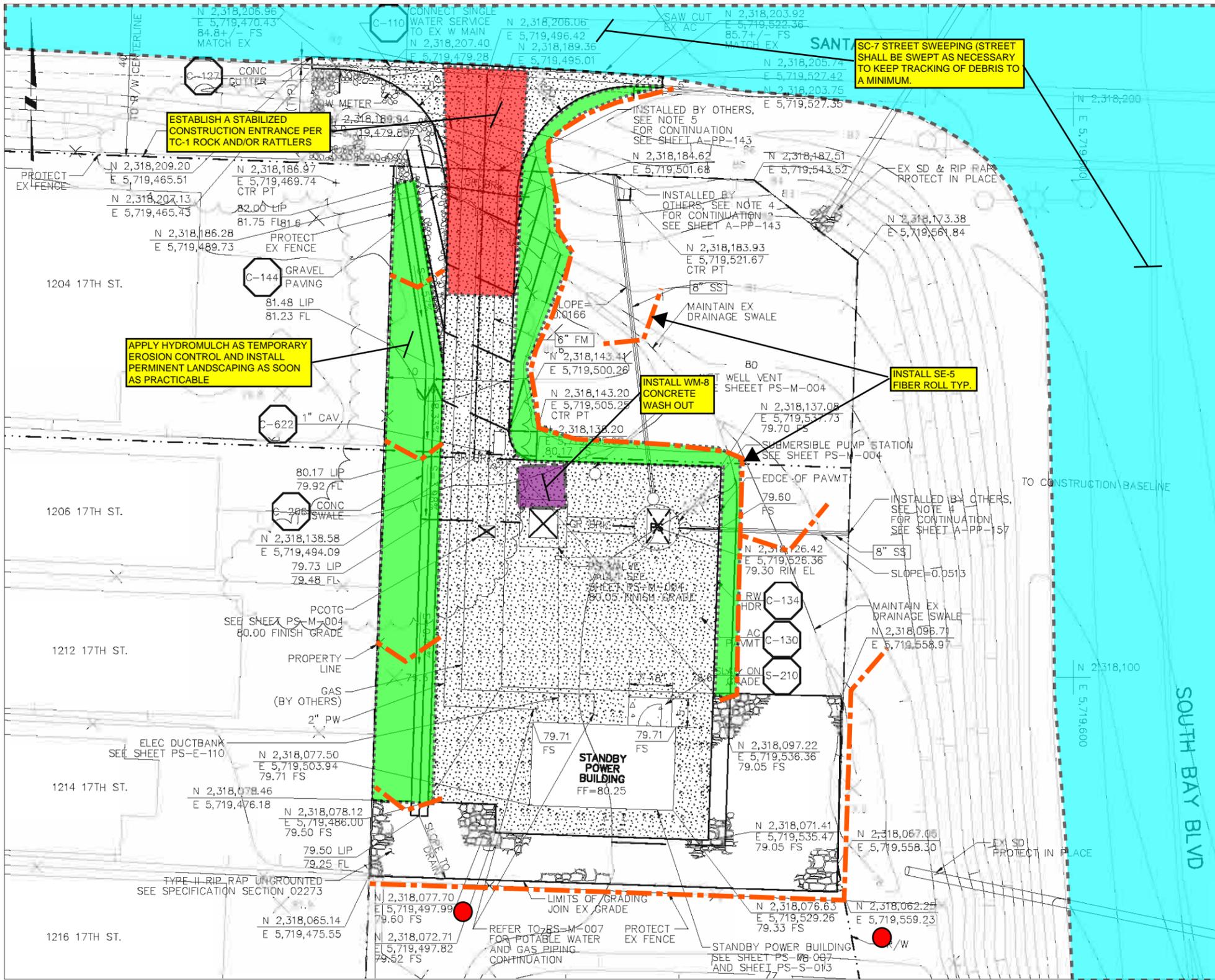
consultant:

ground **UP**
Design & Construction Management

Robert W. Carnes
Registered Construction Inspector RC #5291
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Dix, P.O. Box 1303, Pacific Palisades, CA 93447
PH & FAX: 805-227-4139
cell: 415-992-0002
email: rwcarnes@earthlink.net

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PRELIMINARY - NOT FOR CONSTRUCTION



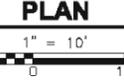
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LEGEND

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SE-6 GRAVEL BAG BARRIERS	
SE-7 STREET SWEEPING AND VACCUMING	
EC-3 / 6 HYDRAULIC MULCH, STRAW AND/OR WE-1 WIND EROSION PREVENTION	
WM-8 CONCRETE WASH OUT	
SAMPLING POINT	

PRELIMINARY - NOT FOR CONSTRUCTION

EAST YSABEL PUMP STATION



LOS OSOS WASTEWATER COLLECTION SYSTEM

consultant:

ground

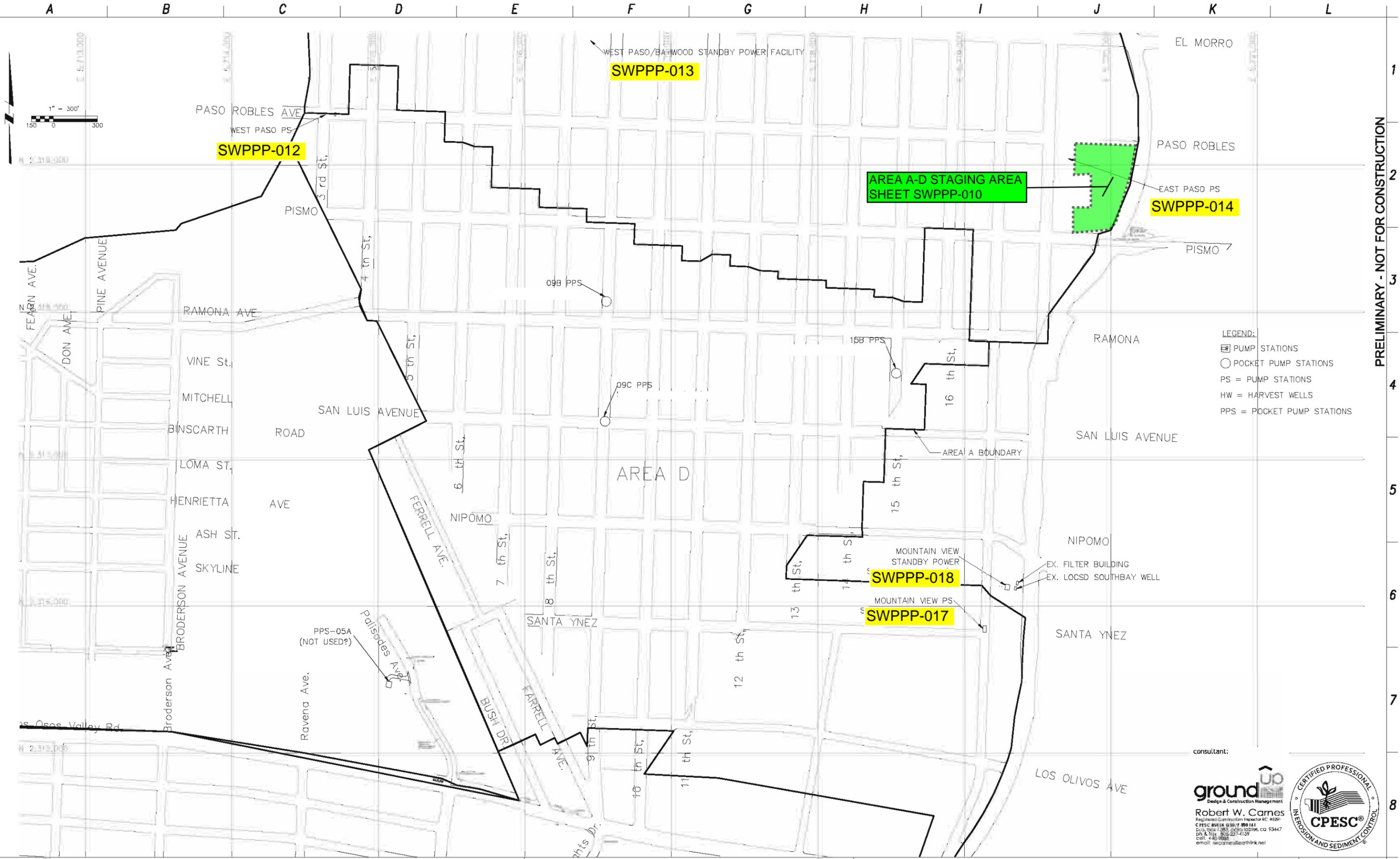
Design & Construction Management

Robert W. Carnes
 Registered Construction Inspector RC #5291
 CREG #0554 03/01/17 #001811
 PLS, DCA 1-303 2019/01/09, CA 93447
 PH & FAX 562-271-4139
 CELL 440-9982
 email: rwcarnes@earthlink.net

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EAST YSABEL PS SWPPP

SWPPP-015



PRELIMINARY - NOT FOR CONSTRUCTION

- LEGEND:
- PUMP STATIONS
 - POCKET PUMP STATIONS
 - PS = PUMP STATIONS
 - HW = HARVEST WELLS
 - PPS = POCKET PUMP STATIONS

consultant:

groundUP
Design & Construction Management

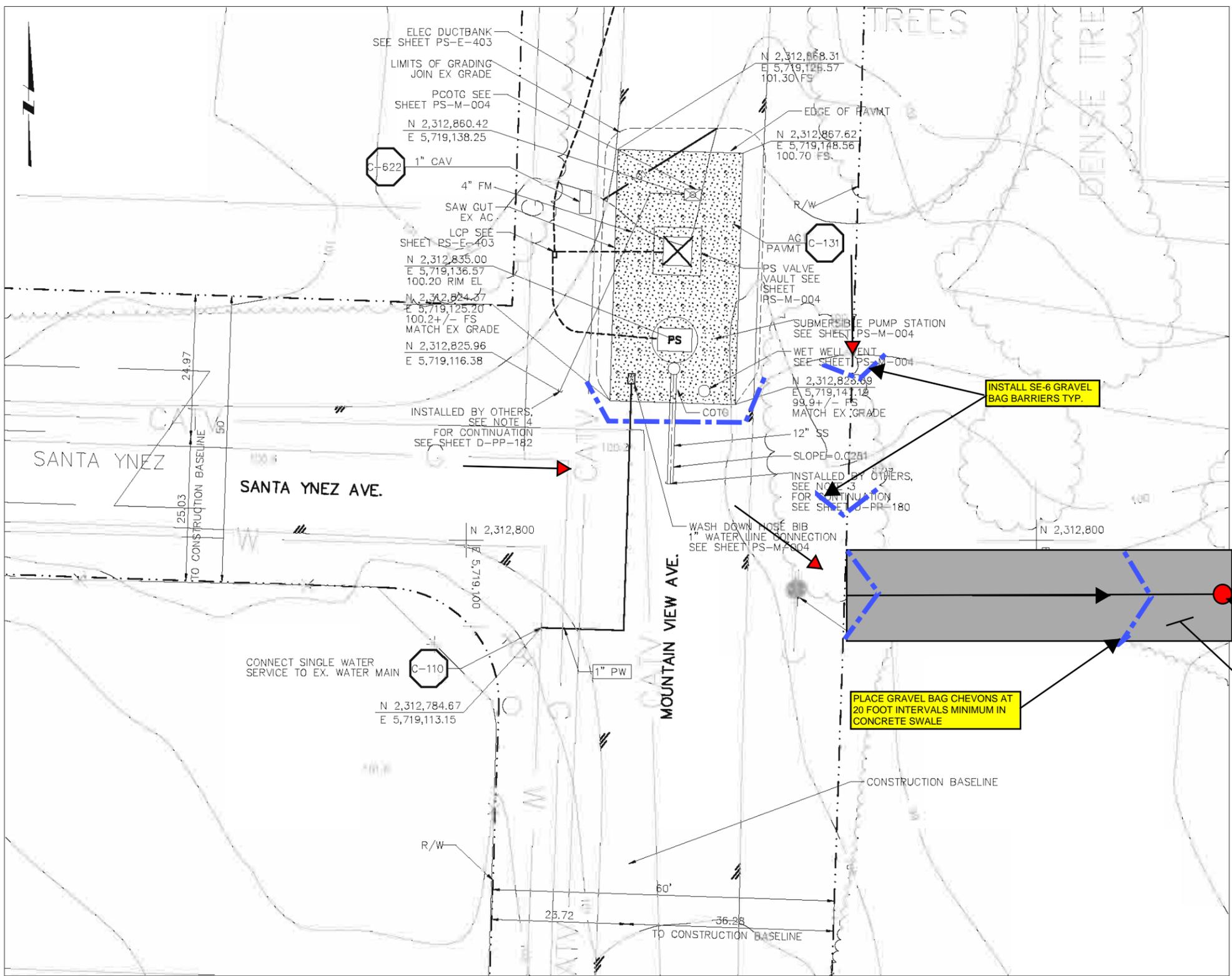
Robert W. Carnes
Registered Construction Inspector RC #5291
CPEC #0554 01017 000 011
Lic. No. 1363, County of San Diego, CA 92147
Ph & Fax: 619-221-4139
cell: 442-8982
email: rwcarnes@earthlink.net

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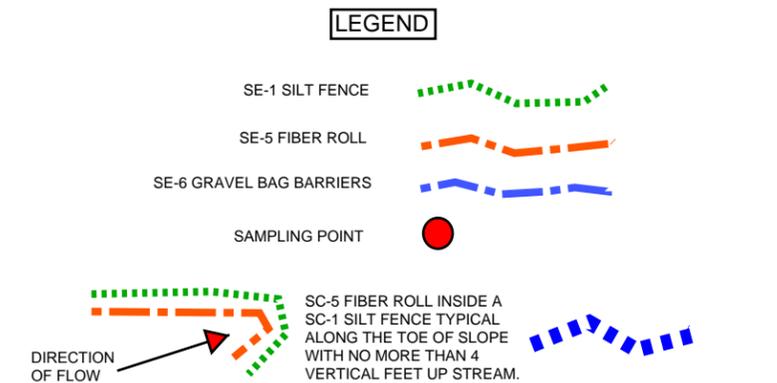
LOS OSOS WASTEWATER COLLECTION SYSTEM

AREA D KEY MAP

SWPPP-016



- SWPPP PLAN NOTES:**
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 10. DETENTION RETENSION FACILITIES ARE TO BE CLEANED OF DEBRIS AND SOIL AS NECESSARY AND PRACTICABLE.
- SHEET NOTES:**
1. ALL STOCKPILED MATERIAL SHALL BE REMOVED PRIOR TO ANY RAIN EVENTS AT THIS LOCATION.
 2. AN ADAQUATE CONSTRUCTION ACCESS SHALL BE PROVIDED.
 3. CONCRETE WASHOUT SHALL BE PERFORMED AT A REMOTE LOCATION FROM THIS SITE.



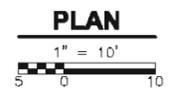
SAMPLING POINT SHALL BE LOCATED AT END OF DRAINAGE SWALE OR APPROVED WITH PROJECT QSD PRIOR TO SWPPP IMPLEMENTATION IS THIS AREA.

EXISTING CONCRETE SWALE NOT SHOWN ON PLANS

PLACE GRAVEL BAG CHEVONS AT 20 FOOT INTERVALS MINIMUM IN CONCRETE SWALE

INSTALL SE-6 GRAVEL BAG BARRIERS TYP.

MOUNTAIN VIEW PUMP STATION



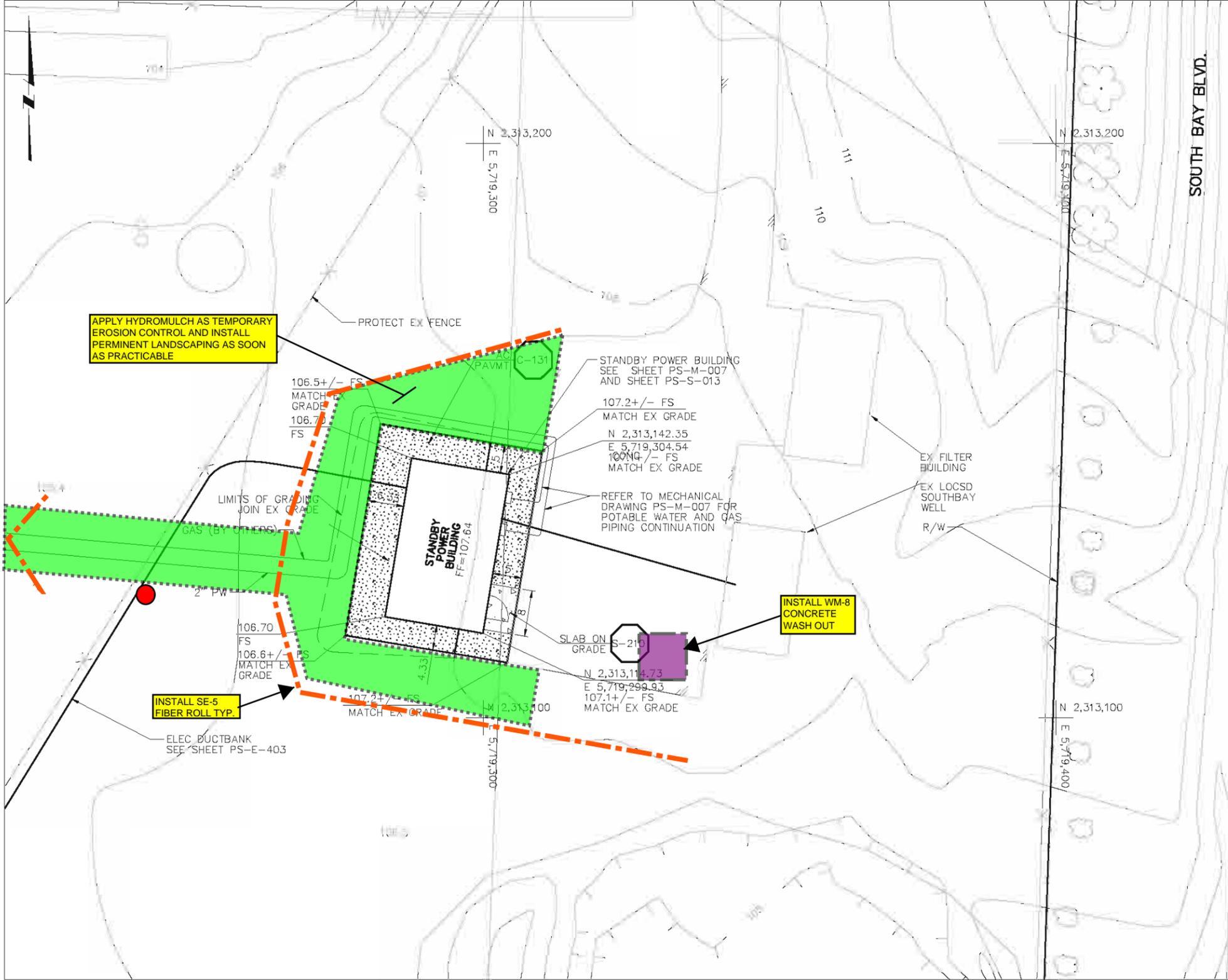
consultant:

groundUP
Design & Construction Management

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Registered Construction Inspector RC #5291
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DCA, DCA 1-303 2019/01/09, CA 93447
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APPLY HYDROMULCH AS TEMPORARY EROSION CONTROL AND INSTALL PERMINENT LANDSCAPING AS SOON AS PRACTICABLE

INSTALL SE-5 FIBER ROLL TYP.

INSTALL WM-8 CONCRETE WASH OUT

SWPPP PLAN NOTES:

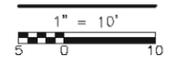
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LEGEND

TC-1 STABILIZED CONSTRUCTION ENTRANCE	
SE-1 SILT FENCE	
SE-5 FIBER ROLL	
SE-6 GRAVEL BAG BARRIERS	
SE-7 STREET SWEEPING AND VACCUING	
EC-3 / 6 HYDRAULIC MULCH, STRAW AND/OR WE-1 WIND EROSION PREVENTION	
WM-8 CONCRETE WASH OUT	
SAMPLING POINT	

MOUNTAIN VIEW STANDBY POWER

PLAN



LOS OSOS WASTEWATER COLLECTION SYSTEM

MOUNTAIN VIEW SBP SWPPP

SWPPP-018

consultant:

ground **UP**
Design & Construction Management

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EROSION AND SEDIMENT CONTROL

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SWPPP PLAN NOTES:

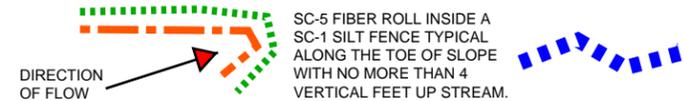
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LEGEND

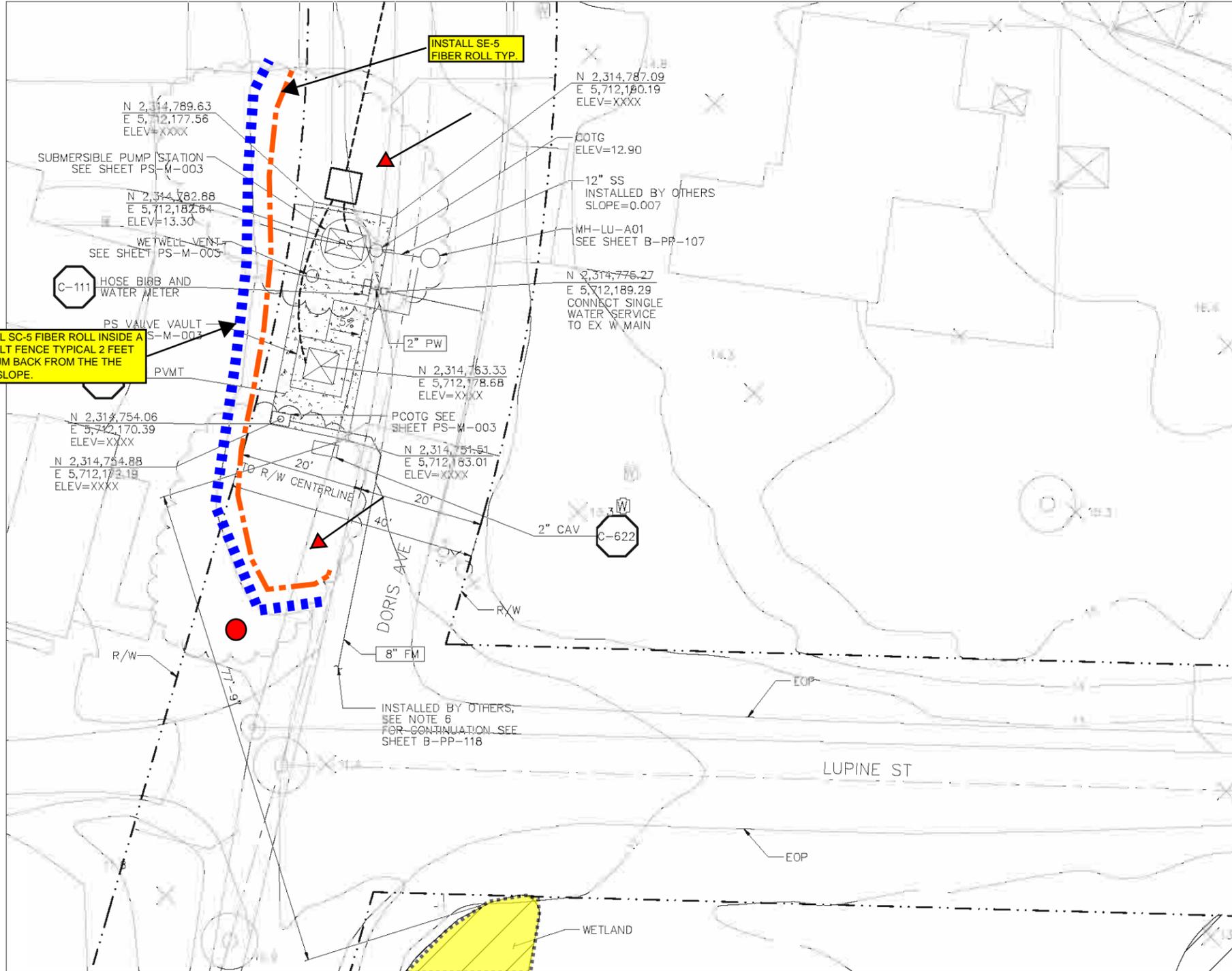
- SE-1 SILT FENCE 
- SE-5 FIBER ROLL 
- SE-6 GRAVEL BAG BARRIERS 
- SAMPLING POINT 



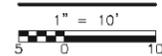
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**LUPINE PUMP STATION
PLAN**



consultant:

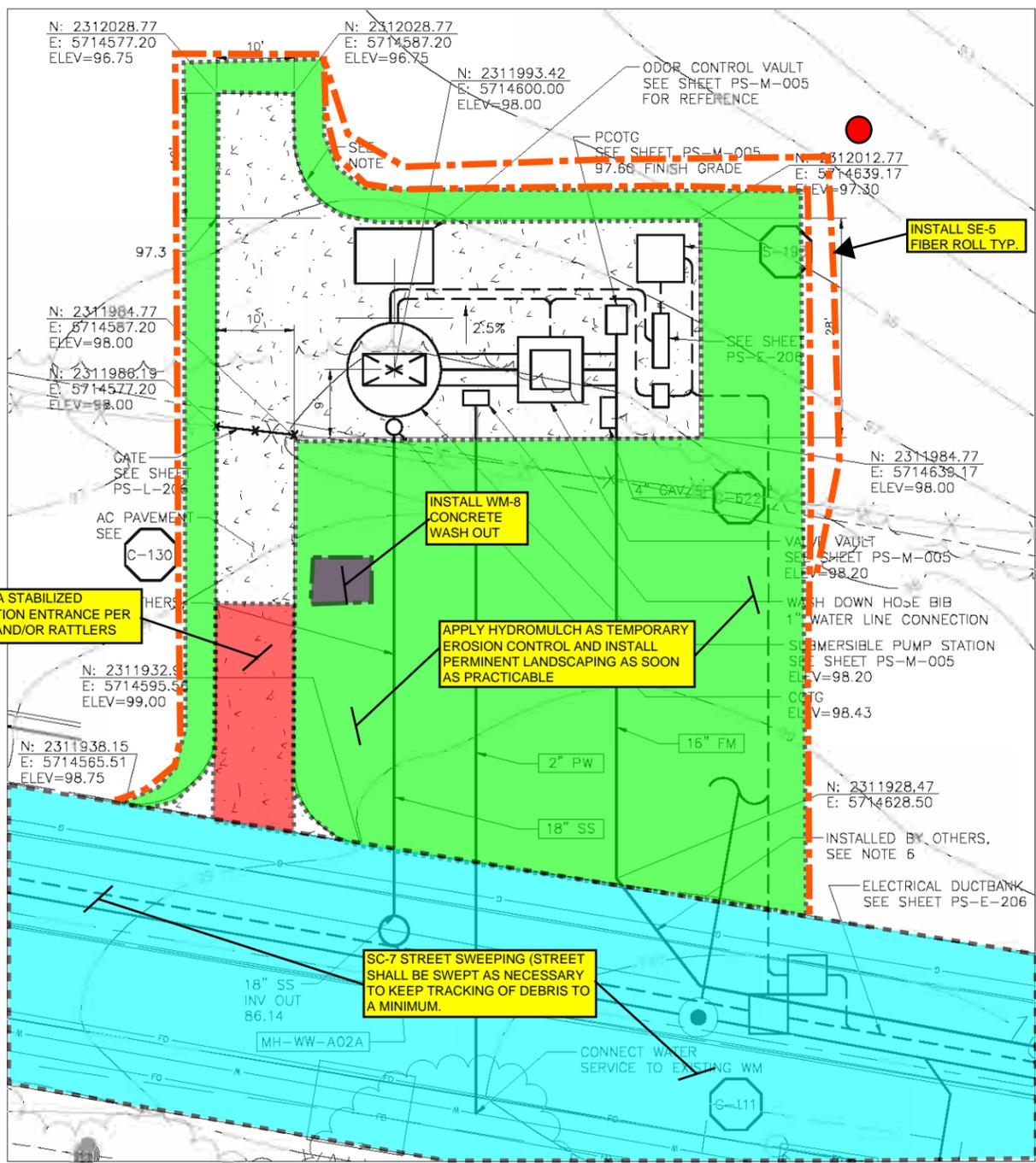
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Registered Construction Inspector RC #5291
CREC #5554 03/01/19 #00181
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PH & FAX: 909-227-4139
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email: rwcarnes@earthlink.net



LOS OSOS WASTEWATER COLLECTION SYSTEM

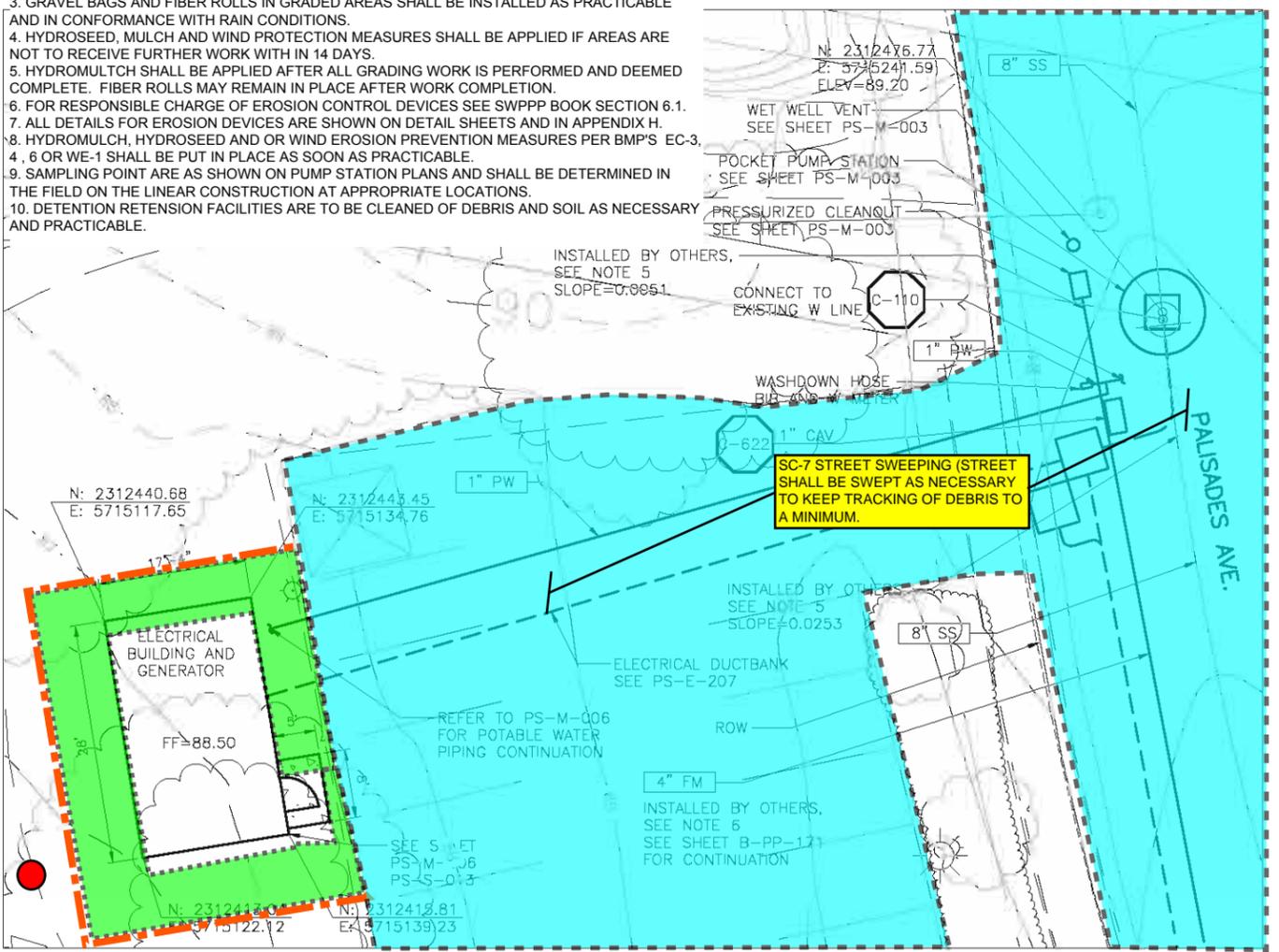
LUPINE PS SWPPP

SWPPP-021



MID-TOWN PS
PLAN
1" = 10'
5 0 10

- SWPPP PLAN NOTES:**
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STANDBY POWER & 5A POCKET PUMP STATION PLAN

LEGEND

- TC-1 STABILIZED CONSTRUCTION ENTRANCE
- SE-1 SILT FENCE
- SE-5 FIBER ROLL
- SE-6 GRAVEL BAG BARRIERS
- SE-7 STREET SWEEPING AND VACCUMING
- EC-3 / 6 HYDRAULIC MULCH, STRAW AND/OR WE-1 WIND EROSION PREVENTION
- WM-8 CONCRETE WASH OUT
- SAMPLING POINT



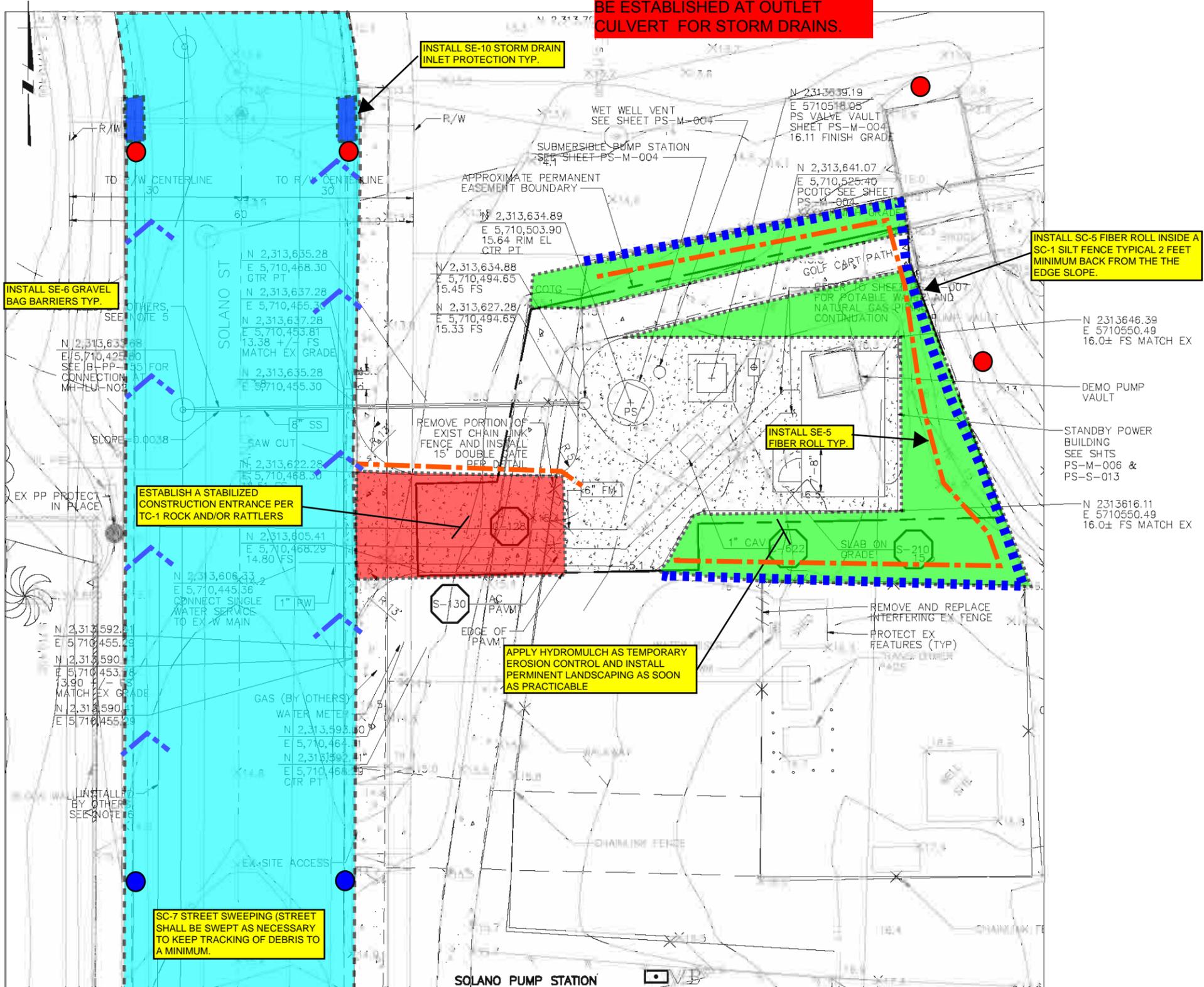
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consultant:

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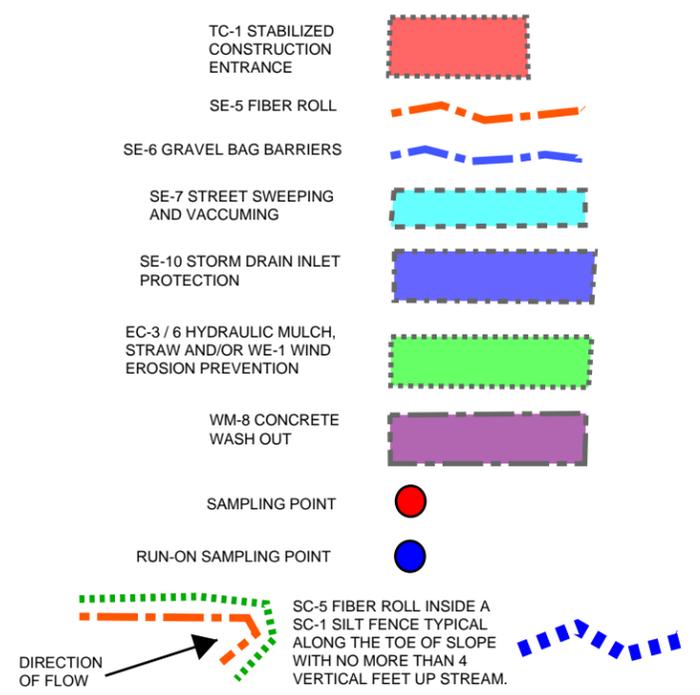
ADDITIONAL SAMPLE POINT SHALL BE ESTABLISHED AT OUTLET CULVERT FOR STORM DRAINS.



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LEGEND



ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE PER TC-1 ROCK AND/OR RATTILERS

INSTALL SE-6 GRAVEL BAG BARRIERS TYP.

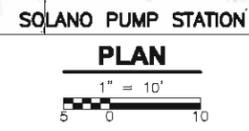
INSTALL SE-10 STORM DRAIN INLET PROTECTION TYP.

INSTALL SC-5 FIBER ROLL INSIDE A SC-1 SILT FENCE TYPICAL 2 FEET MINIMUM BACK FROM THE THE EDGE SLOPE.

INSTALL SE-5 FIBER ROLL TYP.

APPLY HYDROMULCH AS TEMPORARY EROSION CONTROL AND INSTALL PERMINENT LANDSCAPING AS SOON AS PRACTICABLE

SC-7 STREET SWEEPING (STREET SHALL BE SWEEPED AS NECESSARY TO KEEP TRACKING OF DEBRIS TO A MINIMUM.)



consultant:

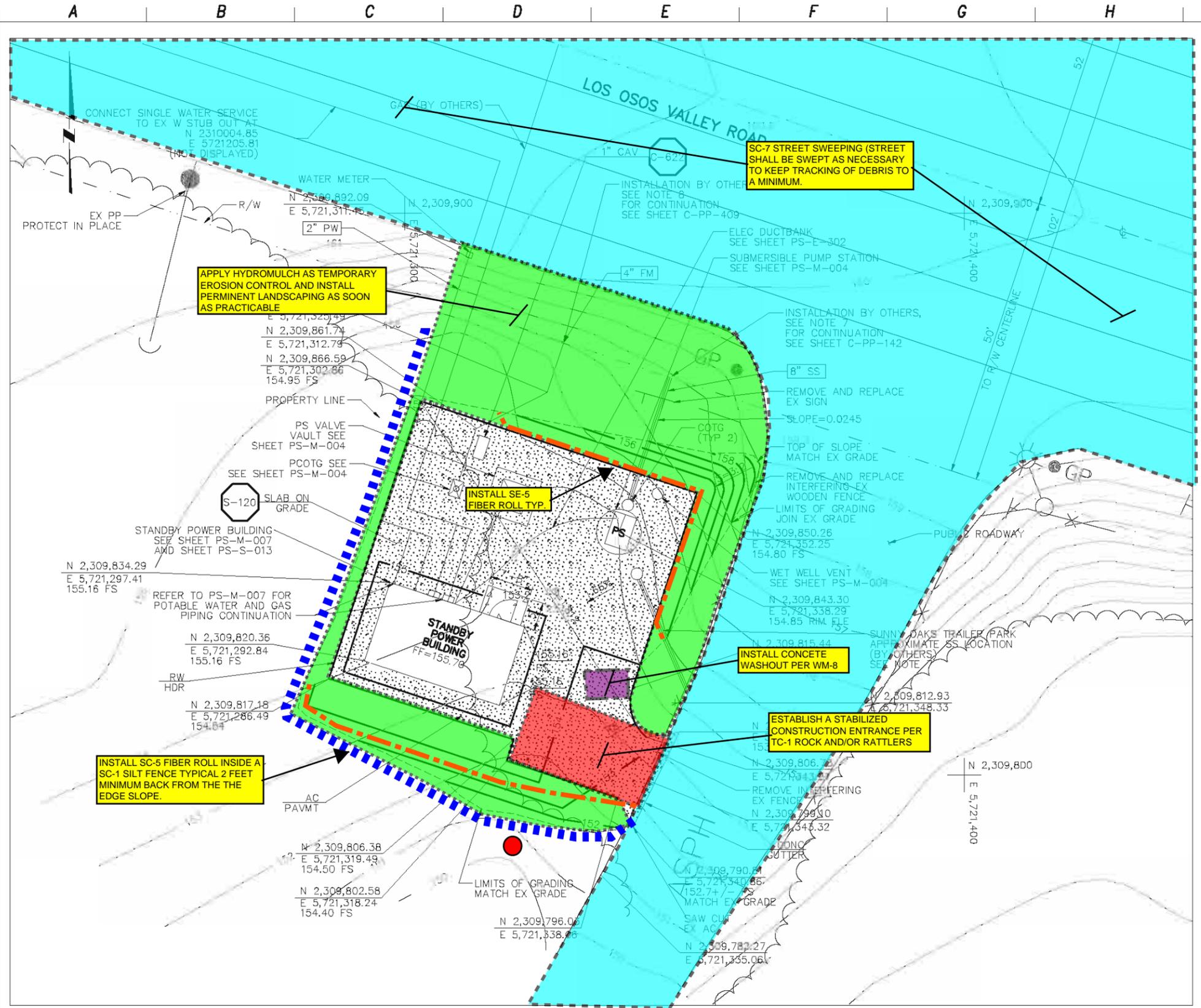
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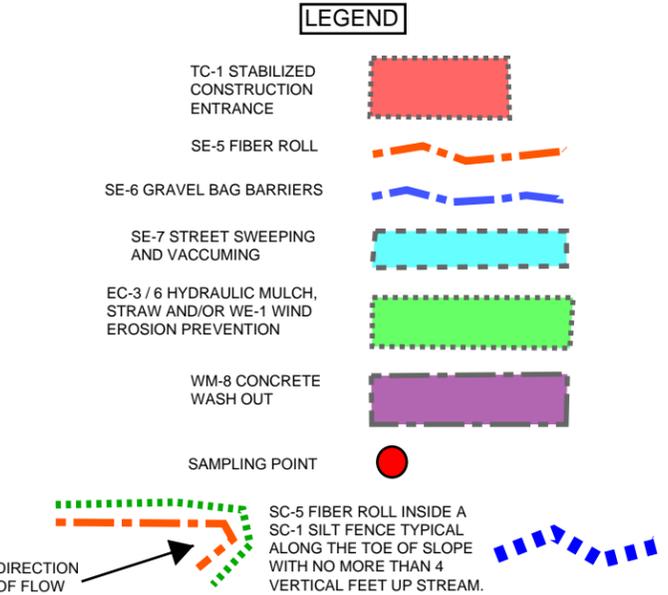
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EROSION AND SEDIMENT CONTROL

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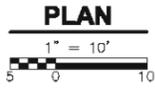
INSTALL SE-5 FIBER ROLL TYP

INSTALL CONCRETE WASHOUT PER WM-8

ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE PER TC-1 ROCK AND/OR RATTLERS

INSTALL SC-5 FIBER ROLL INSIDE A SC-1 SILT FENCE TYPICAL 2 FEET MINIMUM BACK FROM THE THE EDGE SLOPE.

SUNNY OAKS PUMP STATION



consultant:

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