

DEMOLITION PLAN FOR 3300 PANORAMA ROAD MORRO BAY, CA COUNTY OF SAN LUIS OBISPO, CALIFORNIA

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL WORK SHALL CONFORM TO SAN LUIS OBISPO COUNTY EROSION CONTROL ORDINANCE #22 & 23 AND THE STORMWATER POLLUTION PREVENTION PLAN AS PREPARED BY GEOSOLUTIONS, INC. WDD NO. _____
2. ALL DISTURBED SURFACES RESULTING FROM GRADING OPERATIONS SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION. THIS CONTROL MAY CONSIST OF EFFECTIVE PLANTING, SUCH AS RYE GRASS, BARLEY OR SOME OTHER FAST GERMINATING SEED. THE PROTECTION FOR THE SLOPES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND PRIOR TO CALLING FOR FINAL INSPECTION. THE BUILDING OFFICIAL MAY REQUIRE WATERING OF PLANTED AREAS TO ASSURE GROWTH. WHERE IT IS DETERMINED BY THE BUILDING OFFICIAL THAT CUT SLOPES ARE NOT SUBJECT TO EROSION DUE TO THE EROSION-RESISTANT CHARACTER OF THE MATERIALS, SUCH PROTECTION MAY BE OMITTED. CHECK DAMS, CRIBBING, RIPRAP OR OTHER DEVICES OR METHODS SHALL BE EMPLOYED TO CONTROL EROSION. DUST FROM GRADING OPERATION MUST BE CONTROLLED. THE OWNER OR CONTRACTOR MAY BE REQUIRED TO KEEP ADEQUATE EQUIPMENT ON THE GRADING SITE TO PREVENT DUST PROBLEMS.
3. THIS PLAN IDENTIFIES POTENTIAL SOURCES OF POLLUTANTS OF STORM WATER, PRESENTS POLLUTION CONTROL MEASURES, AND ASSISTS IN ENSURING IMPLEMENTATION AND MAINTENANCE OF THE BEST MANAGEMENT PRACTICES (BMPs) LOCATED HEREIN. SEDIMENT IS A POTENTIAL POLLUTANT AND THE BMPs WERE SELECTED AND PLACED FOR OPTIMAL EROSION AND SEDIMENTATION CONTROL.
4. THE NEED FOR EROSION CONTROL DEVICES WILL VARY ACCORDING TO THE SEASON DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PLACE BMPs WHEREVER NECESSARY TO PREVENT EROSION AND SEDIMENTATION.
5. TEMPORARY EROSION CONTROL DEVICES ARE TO BE MAINTAINED BY THE CONTRACTOR AND KEPT IN OPERATION UNTIL SUBSEQUENT PROJECT WORK ELIMINATES THEIR NEED. IT MAY BE NECESSARY TO MOVE, ADJUST, REPLACE, OR CHANGE THE SHAPE OF THE EROSION CONTROL DEVICES DURING THE COURSE OF THE PROJECT. EROSION CONTROL MEASURES SHALL NOT BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER OR COUNTY INSPECTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THIS PLAN AND FOR MAINTENANCE OF BMPs. ALL CONTRACTORS AND THEIR PERSONNEL WHOSE WORK CAN CONTRIBUTE TO OR CAUSE POLLUTION OF STORM WATER SHOULD BE MADE FAMILIAR WITH THIS POLLUTION PREVENTION PLAN. ADEQUATE TRAINING FOR IMPLEMENTATION OF THE MEASURES PRESENTED HEREIN SHALL BE PROVIDED BY THE CONTRACTOR TO THEIR PERSONNEL.
7. THE EROSION CONTROL DEVICES ON THIS PLAN ARE A GENERAL CONCEPT OF WHAT MAY BE REQUIRED. EROSION CONTROL DEVICES MAY BE RELOCATED, DELETED OR ADDITIONAL ITEMS MAY BE REQUIRED DEPENDING ON THE ACTUAL SOIL CONDITIONS ENCOUNTERED. EROSION CONTROL DEVICES MAY BE PLACED AT THE DISCRETION OF THE ENGINEER OR THE COUNTY INSPECTOR.
8. CHANGES IN CONSTRUCTION OR IN A CONDITION WHICH ARE NOT COVERED BY THIS PLAN SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE QSD SHALL BE RESPONSIBLE FOR UPDATING THE SWPPP AND THIS EROSION AND SEDIMENTATION CONTROL PLAN AS REQUIRED, ADDRESSING THE CHANGING SITE CONDITIONS.
9. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
10. ALL PROTECTIVE DEVICES DIRECTED TO BE INSTALLED SHALL BE IN PLACE AT THE END OF EACH WORK DAY WHEN THE FIVE DAY RAIN PROBABILITY EXCEEDS 40% AS FORECAST BY THE NATIONAL WEATHER SERVICE (<http://www.noaa.gov/>).
11. THIS PLAN MUST BE KEPT ON-SITE DURING CONSTRUCTION ACTIVITY AND MADE AVAILABLE UPON REQUEST OF A REPRESENTATIVE OF THE LOCAL AGENCY.
12. CONTRACTOR WILL INSPECT BMPs BEFORE, AFTER AND EVERY 24 HOURS DURING EXTENDED STORM EVENTS. THE CONTRACTOR WILL RECORD CONDITIONS OF THE BMPs AND ANY ACTIVITIES REQUIRED FOR MAINTAINING, REPAIRING BMPs. MONITORING INCLUDES MAINTAINING A FILE DOCUMENTING ON-SITE INSPECTIONS, PROBLEMS ENCOUNTERED, CORRECTIVE ACTIONS, AND NOTES AND A REDLINE MAP OF REMEDIAL IMPLEMENTATION MEASURES. COPIES OF THESE REPORTS WILL BE KEPT ON-SITE AND WILL BE AVAILABLE FOR REVIEW.
13. THIS PLAN OFFERS METHODS FOR CONTROL OF SOIL EROSION AND SEDIMENT DURING GRADING AND CONSTRUCTION OPERATIONS. NO WARRANTY IS STATED OR IMPLIED THAT, DURING AN UNUSUAL STORM EVENT, IMPLEMENTATION OF THESE METHODS WILL PREVENT DAMAGE AS A RESULT OF SOIL EROSION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPER INSTALLATION OF BMPs, ANY AND ALL DAMAGE TO OWNER'S PROPERTY, ADJACENT PROPERTY, AND CONTRACTOR'S ON GOING WORK.
14. LOCATION OF DEBRIS RECEPTACLES, VEHICLES STAGING AREA AND MATERIALS STORAGE AREA TO BE DETERMINED BY CONTRACTOR.
15. PETROLEUM PRODUCTS, CHEMICALS, AND OTHER POTENTIAL POLLUTANT MATERIAL KEPT ON-SITE IN MINOR QUANTITIES WILL BE STORED IN WATERPROOF CONTAINERS AND CONTINUALLY MONITORED TO PREVENT LEAKS OR ACCIDENTAL RELEASES.
16. ALL MATERIAL EXCAVATED OR GRADED SHALL BE SUFFICIENTLY WATERED TO PREVENT EXCESSIVE AMOUNTS OF DUST. WATERING SHALL OCCUR AT LEAST TWICE DAILY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS FINISHED FOR THE DAY.
17. ALL CLEARING, GRADING, EARTH MOVING, OR EXCAVATION ACTIVITIES SHALL CEASE DURING PERIODS OF HIGH WINDS SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST OR VISIBLE SITE DISTURBANCE.
18. ALL MATERIAL TRANSPORTED OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNTS OF DUST.
19. THE AREA DISTURBED BY CLEARING, GRADING, EARTH MOVING, OR EXCAVATION OPERATIONS SHALL BE MINIMIZED SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST.
20. PERMANENT DUST CONTROL MEASURES DESCRIBED HEREIN SHALL BE IMPLEMENTED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF ANY SOIL DISTURBING ACTIVITIES.
21. ON-SITE VEHICLE SPEED SHALL BE LIMITED TO 15 MPH FOR ANY UNPAVED SURFACE.
22. ALL UNPAVED AREAS WITH VEHICLE TRAFFIC SHALL BE WATERED AT LEAST TWICE PER DAY, USING NON-POTABLE WATER.
23. STREETS ADJACENT TO THE PROJECT SITE SHALL BE SWEEPED DAILY TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST FROM LEAVING THE SITE.
24. DUST CONTROL SHALL COMPLY WITH MONTEREY COUNTY STANDARDS.
25. WHEN WINTER GRADING OPERATIONS TAKE PLACE, THE FOLLOWING MEASURES MUST BE TAKEN TO MITIGATE ACCELERATED EROSION:
 - VEGETATION REMOVAL BETWEEN OCTOBER 15TH AND APRIL 15TH SHALL NOT PRECEDE SUBSEQUENT GRADING OR CONSTRUCTION ACTIVITIES BY MORE THAN 15 DAYS. DURING THIS PERIOD, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE.
 - BETWEEN OCTOBER 15TH AND APRIL 15TH, DISTURBED SURFACES NOT INVOLVED IN THE IMMEDIATE OPERATIONS MUST BE PROTECTED BY MULCHING AND/OR OTHER EFFECTIVE MEANS OF SOIL PROTECTION.
 - RUN-OFF FROM THE SITE SHALL BE DETAINED OR FILTERED BY BERMS, VEGETATED FILTER STRIPS AND/OR CATCH BASINS TO PREVENT THE ESCAPE OF SEDIMENT FROM THE DISTURBED AREA OR SITE. THESE DRAINAGE CONTROL MEASURES MUST BE MAINTAINED BY THE CONTRACTOR AS NECESSARY TO ACHIEVE THEIR PURPOSE THROUGHOUT THE LIFE OF THE PROJECT.
 - EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH DAY'S WORK.
 - THE GRADING INSPECTOR MAY STOP OPERATIONS DURING PERIODS OF INCLEMENT WEATHER IF EROSION PROBLEMS ARE NOT BEING CONTROLLED ADEQUATELY.



PROJECT SCOPE

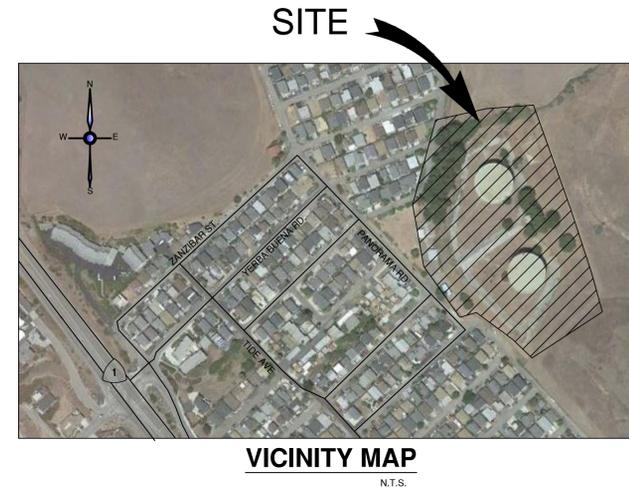
THE PROJECT SCOPE IS DEMOLITION OF DRY AND EMPTY TANKS AND THEIR ASSOCIATED PIPING ABOVE AND UNDERGROUND.

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF RECORD FOR THIS PROJECT AND THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE. THESE PLANS AND SPECIFICATIONS, TO THE BEST OF MY KNOWLEDGE, COMPLY WITH CURRENT STANDARDS. ANY ERRORS, OMISSIONS, OR OTHER VIOLATIONS OF THOSE ORDINANCES, STANDARDS OR DESIGN CRITERIA ENCOUNTERED DURING CONSTRUCTION SHALL BE CORRECTED AND SUCH CORRECTIONS REFLECTED ON CORRECTED PLANS.

DAVID W. CHANLEY R.C.E. 70849

Sheet List Table		
SHEET NO.	REV. NO.	SHEET TITLE
1	A	COVER SHEET
2	A	DEMOLITION PLAN
3	A	DUST MITIGATION PLAN
4	A	DETAIL SHEET
5	A	CONDITIONS OF APPROVAL



SITE INFORMATION

APN: 065-038-001
ADDRESS: 3300 PANORAMA ROAD
MORRO BAY, CA 93442
GROSS ACREAGE: 10.06 AC
ZONING: SINGLE FAMILY RESIDENCE

PROJECT CONTACTS:

OWNER:
RWINE LP AND CVI GROUP LLC
2304 W. SHAW AVENUE, SUITE 200
FRESNO, CA 93711
PH: (559)438-9999
CONTACT: CHRIS MATHYS
MATHYS@OROFINANCIAL.NET

CIVIL:
DIVERSIFIED PROJECT SERVICES INTERNATIONAL
1998 SANTA BARBARA STREET
SAN LUIS OBISPO, CA 93401
PH: (805)250-2891
CONTACT: DAVID CHANLEY
DCHANLEY@DPSIINC.COM

GEOTECHNICAL/DUST MITIGATION PLAN:
GEO-SOLUTIONS, INC.
220 HIGH STREET
SAN LUIS OBISPO, CA 93401
PH: (805)843-8539
CONTACT: JOHN KAMMER

ARCHAEOLOGICAL STUDY:
ALBION ENVIRONMENTAL
3563 SUELDO STREET, SUITE P
SAN LUIS OBISPO, CA 93401
PH: (805)922-2222
CONTACT: SARAH NICCHITTA
SNICCHITTA@ALBIONENVIRONMENTAL.COM

BIOLOGICAL AND NESTING SURVEY:
TERRA-VERDE ENVIRONMENTAL
3785 S. HIGUERA STREET, SUITE 102
SAN LUIS OBISPO, CA 93401
PH: (805)896-5479
CONTACT: BRIAN DUGAS
BDUGAS@TERRAVERDEWEB.COM

CONTRACTOR:
BEDFORD ENTERPRISES AND DEMOLITION, INC.
1940 W. BETTERAVIA ROAD
SANTA MARIA, CA 93455
PH: (805)922-4977
CONTACT: OLIVER RIES
OLIVER@BEDFORD.COM

APPROVED: _____ DATE _____
AGENCY REPRESENTATIVE _____ DATE _____



REV	DATE	ISSUED FOR REVIEW	ISSUED FOR REVIEW
08/12/16	A		
10/19/16	B		

COVER SHEET
3300 PANORAMA ROAD
MORRO BAY, CALIFORNIA

SHEET
1
OF 5 SHEETS
PROJECT: 160556

3300 PANORAMA DRIVE, MORRO BAY
 PERMIT #UPO-440 & CPO-500
 TANK DEMOLITION

FIRE PROTECTION NOTES:

1. FIRE EXTINGUISHERS WILL ALSO BE IN MOBILE EQUIPMENT AND PLACED ON MOBILE TORCH CUTTING CARTS WITHIN 20 FEET OF ANY CUTTING OPERATIONS.

DEMOLITION NOTES:

1. EXISTING TANKS ARE EMPTY AND DRY AND THEY HAVE BEEN INERTED OR PURGED.
2. HYDROSEED DISTURBED SOIL, SEE BIOLOGIST REPORT FOR HYDROSEED MIX.
3. CLEAN-UP: VERIFY ALL EQUIPMENT, HAZARDOUS WASTE, PAINTS, LIQUIDS, CHEMICALS, ETC. ARE SAFELY REMOVED PRIOR TO DEMOLITION. PROVIDE MEASURES TO CONTAIN ANY POSSIBLE SPILLS AND CONTAMINATION OF EXISTING MATERIAL DURING DEMOLITION. AFTER REMOVAL OF TANKS AND FOUNDATION, PROVIDE PROOF OF CLEAN SITE CLOSURE FROM ALL APPROPRIATE REGULATORY AGENCIES PRIOR TO FURTHER DEVELOPMENT.
4. BMP: UTILIZE BEST MANAGEMENT PRACTICES (BMP) TO ADDRESS ANY EXISTING REMNANTS/STAINS/RESIDUE OF PREVIOUSLY STORED CHEMICALS, PAINTS, LIQUIDS, ETC., TO ENSURE THAT STORM RUNOFF WILL NOT BECOME CONTAMINATED. ALL HAZARDOUS MATERIALS, STORAGE SITES AND HAZARDOUS WASTE MANAGEMENT SITES SHALL BE CLEANED OR ABANDONED AS DIRECTED BY THE SAN LUIS OBISPO COUNTY ENVIRONMENTAL HEALTH DIVISION.
5. STORMWATER POLLUTION PREVENTION PLAN: A SWPPP IS REQUIRED FOR ALL PROJECTS OVER 1 ACRE TO ADDRESS ALL POTENTIAL POLLUTANTS AND THEIR SOURCES. PROJECTS OVER 1 ACRE ARE SUBJECT TO THE CONSTRUCTION GENERAL PERMIT. A "NOTICE OF INTENT" MUST BE SUBMITTED TO THE STATE WATER RESOURCES CONTROL BOARD. THE REQUIREMENTS FOR THE GENERAL PERMIT AND GUIDELINES FOR THE SWPPP CAN BE FOUND AT:
http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml
 SUBMIT THE SWPPP WID# (WASTE IDENTIFICATION NUMBER) PRIOR TO GRADING OR BUILDING PERMIT APPROVAL.
6. UTILITIES:
 - a) STUB, CAP AND LABEL ALL SEWER LATERALS AND WATER LINES AT EACH CONNECTION.
 - b) TERMINATE ALL GAS, PHONE, POWER, INTERNET, CABLE T.V., ETC. LINES FOLLOWING ALL APPLICABLE UTILITY COMPANY POLICY AND PROCEDURES.
 - c) INDICATE THE LOCATIONS OF ALL REMAINING UTILITY TERMINATIONS (I.E. GAS, SEWER, WATER ETC.).
7. TANKS: TANK REMOVAL, MUST BE COMPLETED IN COMPLIANCE WITH ALL TERMS AND CONDITIONS ESTABLISHED BY APPLICABLE OUTSIDE REGULATORY AGENCIES.
8. ANY DAMAGE TO CITY FACILITIES, I.E. CURB/BERM, STREET, SEWER LINE, WATER LINE OR ANY PUBLIC IMPROVEMENTS SHALL BE REPAIRED AT NO COST TO THE CITY OF MORRO BAY.
9. NO WORK SHALL OCCUR WITHIN (OR USE OF) THE CITY'S RIGHT OF WAY WITHOUT AN ENCROACHMENT PERMIT. ENCROACHMENT PERMITS ARE AVAILABLE AT THE CITY OF MORRO BAY PUBLIC WORKS OFFICE LOCATED AT 955 SHASTA AVE. THE ENCROACHMENT PERMIT SHALL BE ISSUED CONCURRENTLY WITH THE BUILDING PERMIT.

EROSION CONTROL:

1. INSTALL FIBER ROLLS PER DETAIL SE-5 ON SHEET 4.
2. INSTALL STABILIZED ENTRANCE/EXIT PER DETAIL TC-1 ON SHEET 4.
3. INSTALL STORM DRAIN INLET PROTECTION PER DETAIL PER SE-10 ON SHEET 4.
4. INSTALL TREE PROTECTION ZONE FENCING PER TREE DETAILS ON SHEET 4.

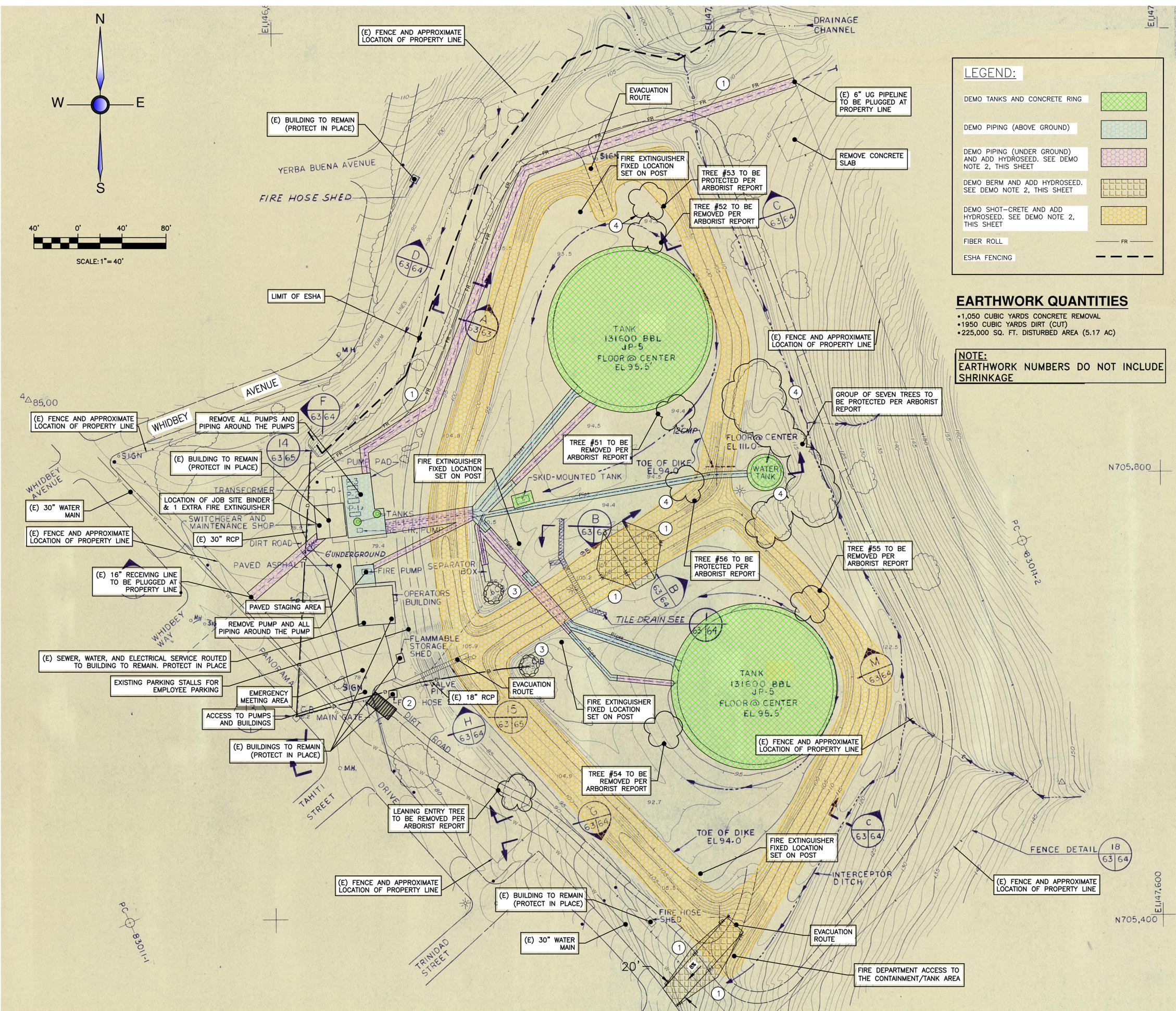
LEGEND:

- DEMO TANKS AND CONCRETE RING
- DEMO PIPING (ABOVE GROUND)
- DEMO PIPING (UNDER GROUND) AND ADD HYDROSEED. SEE DEMO NOTE 2, THIS SHEET
- DEMO BERM AND ADD HYDROSEED. SEE DEMO NOTE 2, THIS SHEET
- DEMO SHOT-CRETE AND ADD HYDROSEED. SEE DEMO NOTE 2, THIS SHEET
- FIBER ROLL
- ESHA FENCING

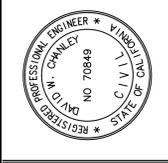
EARTHWORK QUANTITIES

- 1,050 CUBIC YARDS CONCRETE REMOVAL
- 1950 CUBIC YARDS DIRT (CUT)
- 225,000 SQ. FT. DISTURBED AREA (5.17 AC)

NOTE:
 EARTHWORK NUMBERS DO NOT INCLUDE SHRINKAGE



APPROVED: _____ DATE _____
 AGENCY REPRESENTATIVE _____ DATE _____



REV	DATE	ISSUED FOR REVIEW	ISSUED FOR REVIEW
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DEMOLITION PLAN
EXISTING TANKS AND PIPING
 3300 PANORAMA ROAD
 MORRO BAY, CALIFORNIA

SHEET 2
 OF 5 SHEETS
 PROJECT: 160556
 FORMED 2016-11-22

THE DELIVERY OF THIS DRAWING SHOULD NOT BE CONSIDERED TO PROVIDE AN EXPRESS WARRANTY OR GUARANTEE TO ANYONE THAT ALL DIMENSIONS AND DETAILS ARE EXACT OR TO INDICATE THAT THE USE OF THIS DRAWING IMPLIES THE REVIEW AND APPROVAL OF DPRS OF ANY FUTURE USE. ANY USE OF THIS INFORMATION IS AT THE SOLE RISK OF THE USER.

GeoSolutions, Inc.
 1021 West Tama Lane, Suite 105, Santa Maria, CA 93454 220 High Street, San Luis Obispo, CA 93401
 (805)614-6333; (805)614-6322 fax (805)543-8539; (805)543-2171 fax
 SInfo@geosolutions.net info@geosolutions.net

May 18, 2016
 Project No. SL09618-2

Rhine LP and CVI Group LLC
 c/o Oro Financial of California
 Attn: Chris Mathys
 2304 W. Shaw Ave, Suite 102
 Fresno, California 93711

Subject: **Dust Mitigation Plan**
 3300 Panorama Road, APN: 065-038-001
 Morro Bay, California

Dear Mr. Mathys,

1.0 INTRODUCTION

In accordance with your request, GeoSolutions, Inc. is pleased to present dust mitigation measures to be conducted at the project site located at 3300 Panorama Road, Morro Bay, California. Grading is likely at the site in anticipation for development. General geologic materials at the site include landslide deposits, fill, alluvial deposits, and Franciscan Complex units. An engineering geology report is being prepared for the site but is not finalized at this time. This letter presents dust mitigation measures recommended to be conducted at the site in anticipation of future grading and site investigation. This report is not an engineering geology report and does not provide recommendations beyond dust mitigation. Recommendations provided herein were discussed with Mr. Tim Fuhs, San Luis Obispo County Air Pollution Control District.

2.0 DUST MITIGATION RECOMMENDATIONS

The following dust control mitigation measures are recommended to be implemented at the site during site disturbance of soils or bedrock. These recommendations are for a site greater than 1 acre in size and are recommended to be submitted to and approved by the San Luis Obispo County Air Pollution Control District (APCD) prior to the start of any construction or grading activity.

- The following dust mitigation measures are recommended to be initiated at the start and maintained throughout the duration of the construction or grading activity.
 - Construction vehicle speed at the work site must be limited to fifteen (15) miles per hour or less.
 - Prior to any ground disturbance, sufficient water must be applied to the areas to be disturbed to prevent visible emissions from crossing the property line.
 - Areas to be graded or excavated must be kept adequately wetted to prevent visible emissions from crossing the property line.
 - Storage piles must be kept adequately wetted, treated with a chemical dust suppressant, or covered when material is not being added to or removed from the pile.
 - Equipment must be washed down before moving from the property onto a paved public road, and
 - Visible track-out on the paved public road must be cleaned using wet sweeping or a HEPA filter equipped vacuum device within twenty-four (24) hours.

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- It is recommended that during site grading or excavation activities, if serpentine material is encountered, the project engineering geologist be notified that this material has been encountered.
- If serpentine material is encountered during grading or excavation activities and dust control measures are inadequate, it is recommended that the APCD be contacted to address the need for active air monitoring at the site.
- During site excavation for investigation purposes, it is recommended that a water truck be available for dust control.

3.0 GENERAL GEOLOGIC CONDITIONS

The site is located in the vicinity of the San Luis Range of the Coast Range Geomorphic Province of California. The Coast Ranges lie between the Pacific Ocean and the Sacramento-San Joaquin Valley and trend northwesterly along the California Coast for approximately 600 miles between Santa Maria and the Oregon border.

Locally, the site is located within fill, landslide deposits, alluvial deposits, and Franciscan Complex units. Regional Geologic Maps of the general vicinity are presented by Dibblee, 2006; Hall and Prior, 1975, and Hall et al., 1979. Hall and Prior, 1975 and Hall et al., 1979 have mapped the specific site as partially within Jurassic and Cretaceous age (205-63 mybp) Franciscan Complex units. Our field reconnaissance of the area observed units of fill, landslide deposits, alluvial deposits, and Franciscan Complex units. Plate 1 depicts general geologic conditions from preliminary reconnaissance geologic mapping (this geologic map is subject to change during site investigation). No subsurface investigation has been conducted as of this time and as such, only general site conditions are presented. Franciscan Complex units are known to contain asbestos containing material. It is unknown if the fill at the site contains Franciscan Complex material.

Hall (1975) describes the Franciscan Complex (KJfmc) as metavolcanic rocks, primarily greenstone (metamorphosed from basalt), and diabase commonly associated with red chert. Hall et al. (1979) describes the Franciscan Complex (KJfmc) as metavolcanic rocks (greenstone), primarily metamorphosed basalt and diabase. Commonly associated with red chert. Locally dark red and extensively sheared. Considered to be tectonic blocks on or within or below Franciscan melange and probably equivalent to upper part of Jurassic ophiolite. The thickness is unknown but is likely several thousand feet. As detailed geologic mapping of the project has not been yet conducted, only general geologic conditions are presented herein. The thickness of Franciscan Complex at the Site is unknown.

If you have any questions, please contact the undersigned at (805) 543-8539.

Sincerely,
GeoSolutions, Inc.

John Kammer
 California Certified Engineering Geologist

Site: I:\018\030\09618-2\09618-2\3300 Panorama Rd\Geology\SL09618-2_Dust mitigation plan.doc

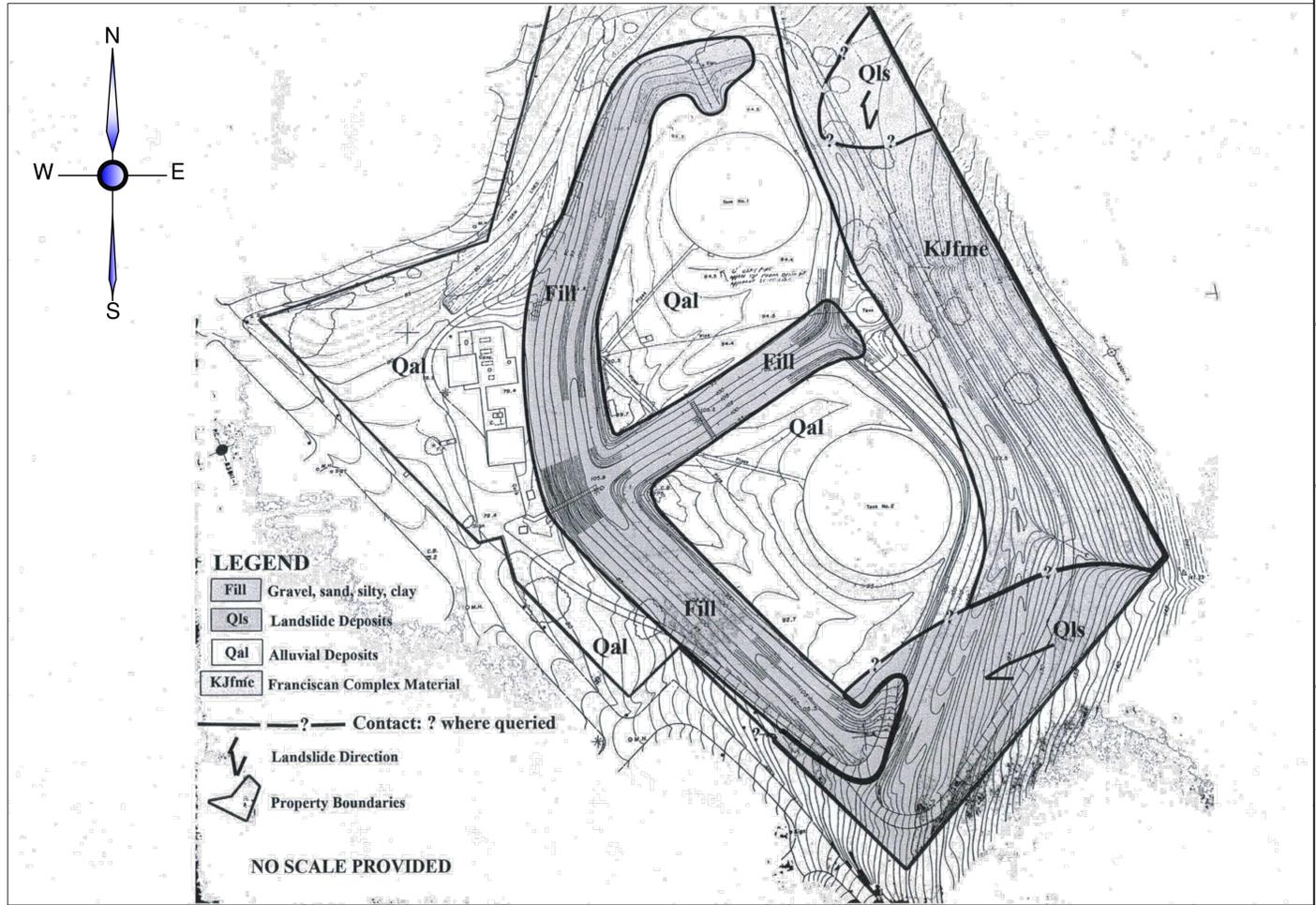
May 18, 2016 Project No. SL09618-2

REFERENCES

Dibblee, Thomas, Geologic Map of the Morro Bay North Quadrangle, Map DF-215.

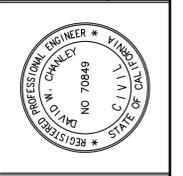
Hall, C.A., Prior, S.W., 1975, *Geologic Map of the Coast Range San Luis Obispo Region*, San Luis Obispo County, California: U.S. Geological Survey, Miscellaneous Field Studies Map, MF 686, Scale 1:24000.

Hall, C.A., Ernst, W.G., Prior, S.W., and Wiese, J.W., 1979, *Geologic map of San Luis Obispo-San Simons Region*, California: U.S. Geological Survey, Miscellaneous Investigation Series, Map I-1097, Scale 1:48,000.



APPROVED: _____ DATE _____

AGENCY REPRESENTATIVE _____ DATE _____



DATE	REV	APP	ISSUED FOR REVIEW	REVISIONS	DC
08/12/16	A				
10/19/16	B				

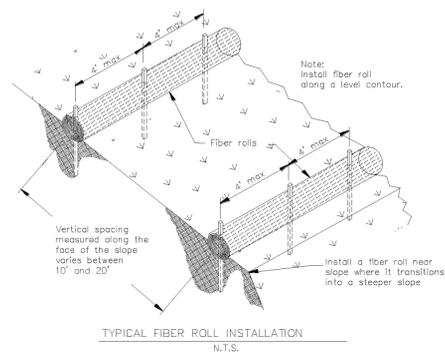
DUST MITIGATION PLAN

3300 PANORAMA ROAD
MORRO BAY, CALIFORNIA

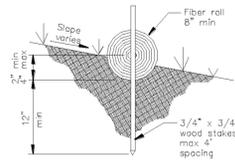
SHEET **3** OF 5 SHEETS
 PROJECT: 160556
 PLOTED: 2016-11-22

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Fiber Rolls SE-5

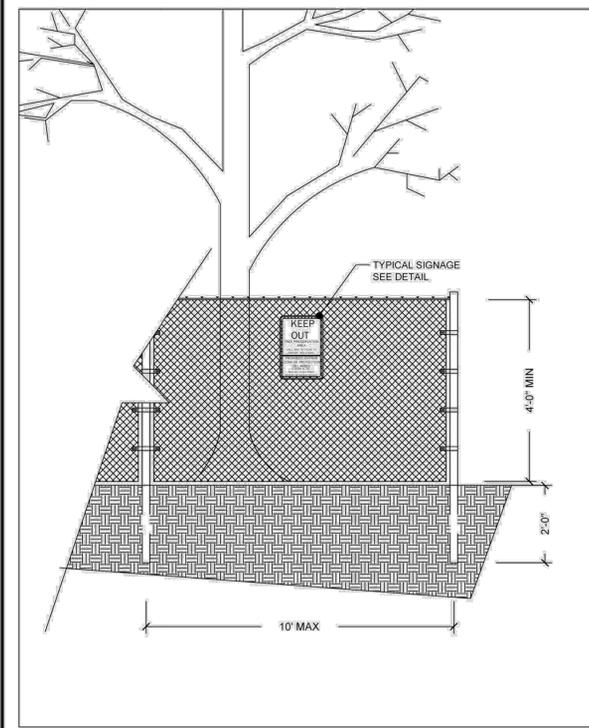
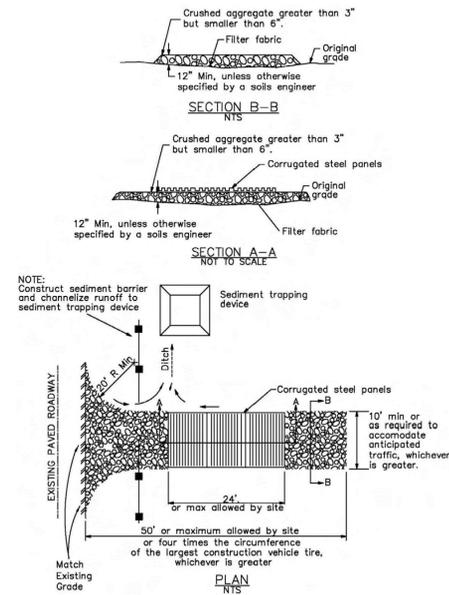


TYPICAL FIBER ROLL INSTALLATION
N.T.S.



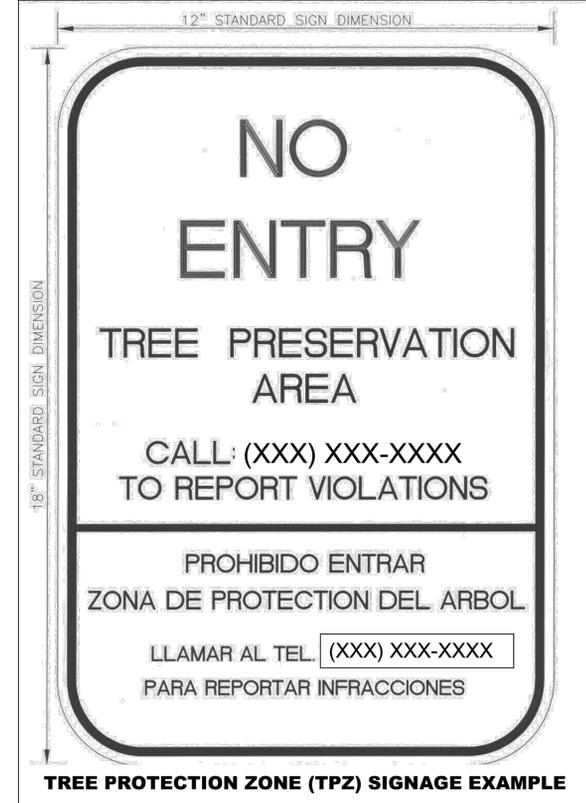
ENTRENCHMENT DETAIL
N.T.S.

Stabilized Construction Entrance/Exit TC-1



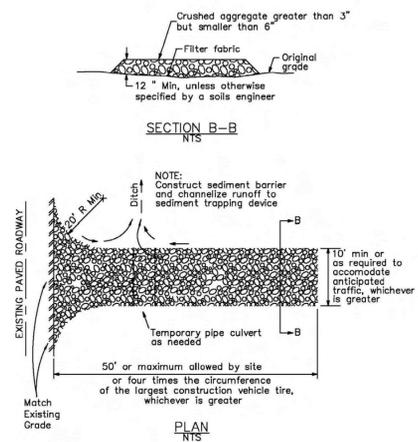
TREE PROTECTION FENCE ELEVATION

TREE FENCE DETAIL

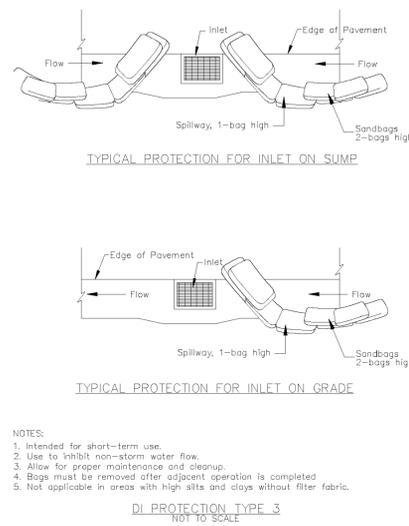


TREE PROTECTION ZONE (TPZ) SIGNAGE EXAMPLE

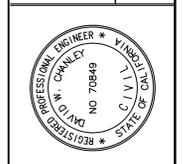
Stabilized Construction Entrance/Exit TC-1



Storm Drain Inlet Protection SE-10



APPROVED:	DATE
AGENCY REPRESENTATIVE	DATE



REV	DATE	ISSUED FOR REVIEW	ISSUED FOR REVIEW
A	08/12/16		
B	10/19/16		

DETAIL SHEET
3300 PANORAMA ROAD
MORRO BAY, CALIFORNIA

