MEETING NOTICE AND AGENDA

- SPECIAL MEETING -

MANAGEMENT COMMITTEE for the MONTEREY REGIONAL STORM WATER MANAGEMENT PROGRAM (MRSWMP)

DATE: August 1, 2014

TIME: 1:30 p.m.

LOCATION: MRWPCA Board Room, 5 Harris Court, Bldg D, Monterey, California

NOTE: Under the terms and conditions of the Memorandum of Understanding for the Monterey Regional Storm Water Pollution Prevention Program {also referred to as the Monterey Regional Storm Water Management Program, (MRSWMP)}, the Management Committee (MC) was created to provide overall Program coordination, review, and budget oversight with respect to the NPDES permit. The MC is to consider permit compliance, with majority concurrence of the Permittees (listed below as Participating Entities), as the primary objective in approving Program tasks and corresponding budgets. The MC is comprised of one representative from each of the Permittees. None of the representatives are elected officials or policy makers for the entities they represent.

Stakeholder feedback may either be provided during the "Public Comment" agenda item or the Program Manager may be contacted regarding any questions or feedback for the Management Committee. Responses to these items will be reported in the Management Committee Meeting Minutes. Should an interested stakeholder or a member of the public wish to make a presentation to the Group, the Program Manager should be contacted to schedule the presentation for a subsequent meeting.

Officers: Chairperson: Tom Harty, County of Monterey

Vice-Chairperson: Scott Ottmar, City of Seaside

Participating Entities:City of Carmel-by-the-SeaCity of Del Rey OaksCity of MontereyCity of Pacific GroveCity of Sand City

City of Seaside County of Monterey

Other Coordinating Entities:

Carmel Unified School District Pacific Grove Unified School District

Monterey Peninsula Unified School District Pebble Beach Company

Ex-Officio Members:

Association of Monterey Bay Governments Monterey Bay National Marine Sanctuary

AGENDA ITEMS	Page #
1. Call to Order / Roll Call	n/a
2. Public Comments	n/a

INFORMATION AND DISCUSSION ITEMS

3. Gain Building Official Input to Finalize Construction Oversight Procedures per the Phase II Permit

n/a

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a. Review Construction Oversight Requirements per Phase II Permit

and Regulations (Attach. 1) 3

b. Review MRSWMP progress to date (Attach. 2)c. Identify project thresholds that trigger submittal of Erosion & Sediment

Control (ESC) Plans (Attach. 3) 17

d. Identify project thresholds that trigger stormwater site inspections
 e. Summarize the overall plan for implementation and possibility of regional implementation

ADMINISTRATIVE REPORTS

4. Management Committee Member and Program Manager Reports

n/a

ADJOURNMENT / SCHEDULE NEXT MEETING

- 5. **Schedule Next Meeting**: Next meeting date is tentatively planned for Wednesday, August 27, 2014 at 9:30 am.
- 6. Meeting Adjournment

program element. The summary shall also address the relationship between the program element activities and the Permittee's Program Effectiveness Assessment and Improvement Plan that tracks annual and long-term effectiveness of the storm water program. If a Permittee is unable to certify compliance with a requirement in this program element see Section E.16.a.for compliance directions.

E.10. CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM

The Permittee shall develop, implement, and enforce a program to prevent construction site discharges of pollutants and impacts on beneficial uses of receiving waters. The program shall include the development of an enforceable construction site storm water runoff control ordinance for all projects that disturb less than one acre of soil. The construction site storm water runoff control ordinance shall include, at a minimum, requirements for erosion and sediment controls, soil stabilization, dewatering, source controls, pollution prevention measures and prohibited discharges.

Projects that disturb one acre or more of soil or disturb less than one acre but are part of a larger common plan or development or sale are subject to the CGP in addition to the construction site storm water runoff control ordinance.

E.10.a. Construction Site Inventory

- (i) Task Description Within the first year of the effective date of the permit, the Permittee shall maintain an inventory of all projects subject to the local construction site storm water runoff control ordinance within its jurisdiction.
- (ii) Implementation Level –The Permittee shall maintain an inventory of all construction projects and continuously update as new projects are permitted and projects are completed. The inventory shall address all projects subject to the local construction site storm water runoff control ordinance. For projects subject to the CGP the Permittee may obtain the inventory from the SMARTS database and shall supplement as needed by the Permittee.

The inventory shall contain, at a minimum:

- (a) Relevant contact information for each project (e.g., name, address, phone, email, etc. for the owner and contractor);
- (b) The basic site information including location, status, size of the project and area of disturbance;
- (c) The location of the project with respect to all waterbodies, waterbodies listed as impaired by sediment-related pollutants, and waterbodies listed as impaired for sediment or turbidity under the CWA Section 303(d) and approved by U.S. EPA;
- (d) Project threat to water quality;
- (e) Current construction phase:
- (f) The required inspection frequency per the local construction site storm water runoff control ordinance;
- (g) The project start and anticipated completion dates; and
- (h) The date the Permittee approved the erosion and sediment control plan in accordance with this Section.

(iii) Reporting – The Permittee shall use State Water Board SMARTS to submit a summary of the past year activities and certify compliance with all requirements of this program element. The summary shall also address the relationship between the program element activities and the Permittee's Program Effectiveness Assessment and Improvement Plan that tracks annual and long-term effectiveness of the storm water program. If a Permittee is unable to certify compliance with a requirement in this program element see Section E.16.a.for compliance directions.

E.10.b. Construction Plan Review and Approval Procedures

- (i) Task Description Within the first year of the effective date of the permit, the Permittee shall develop procedures to review and approve relevant construction plan documents.
- (ii) Implementation Level The review procedures shall meet the following minimum requirements:
 - (a) Prior to issuing a grading or building permit, the Permittee shall require each operator of a construction activity within its jurisdiction to prepare and submit an erosion and sediment control plan for the Permittee's review and written approval. The Permittee shall not approve any erosion and sediment control plan unless it contains appropriate site-specific construction site BMPs that meet the minimum requirements of the Permittee's construction site storm water runoff control ordinance. If the erosion and sediment control plan is revised, the Permittee shall review and approve those revisions.
 - (b) Require that the erosion and sediment control plan include the rationale used for selecting BMPs including supporting soil loss calculations, if necessary.
 - (c) Require that the erosion and sediment control plan list applicable permits directly associated with the grading activity, including, but not limited to the State Water Board's CGP, State Water Board 401 Water Quality Certification, U.S. Army Corps 404 permit, and California Department of Fish and Game 1600 Agreement. Include as a condition of the grading permit that the operator submit evidence to the MS4 that all permits directly associated with the grading activity have been obtained prior to commencing the soil disturbing activities authorized by the grading permit.
 - (d) Conduct and document review of each erosion and sediment control plan using a checklist or similar process.
 - (e) The SWPPP developed pursuant to the CGP may substitute for the erosion and sediment control plan for projects where a SWPPP is developed. The Permittee is responsible for reviewing applicable portions of the SWPPP for compliance with the Permittee's construction site storm water runoff control ordinance and this Order.
- (iii) Reporting The Permittee shall use State Water Board SMARTS to submit a summary of the past year activities and certify compliance with all requirements of this program element. The summary shall also address the relationship between the program element activities and the Permittee's Program Effectiveness Assessment and Improvement Plan that tracks annual and long-term effectiveness of the storm water program. If a Permittee is unable to certify compliance with a requirement in this program element see Section E.16.a.for compliance directions.

E.10.c. Construction Site Inspection and Enforcement

- (i) Task Description Within the second year of the effective date of the permit, the Permittee shall use legal authority to implement procedures for inspecting public and private construction projects and conduct enforcement if necessary. The Permittee may leverage existing inspection procedures and personnel to conduct construction site inspections and enforcement.
- (ii) Implementation Level The inspection procedures shall be implemented to verify compliance with the Permittee's construction site storm water control ordinance. At a minimum, inspections must be conducted at priority construction sites (defined below) prior to land disturbance (during the rainy season), during active construction and following active construction. Construction site inspections shall include assessment of compliance with the Permittee's construction site storm water runoff control ordinance, and other applicable ordinances. A Permittee may propose, for Regional Water Board Executive Officer approval, an alternative approach for construction site oversight, provided the Permittee demonstrates the approach will be equally effective at reducing the discharge of pollutants from construction sites to the maximum extent practicable.

Prior to allowing an operator to commence land disturbance during the rainy season, the Permittee must perform an inspection, to ensure all necessary sediment controls are in place. During active construction, the Permittee shall conduct inspections, based on prioritization of construction sites. Active construction inspections shall include at a minimum: inspection of maintenance of BMPs, effectiveness of BMPs installed and verification that pollutants of concern are not discharged into receiving water bodies.

Prioritization criteria shall be based on project threat to water quality. Project threat to water quality includes soil erosion potential, site slope, projects size and type, sensitivity of receiving water bodies, proximity to receiving water bodies, non-storm water discharges, projects more than one acre that are not subject to the CGP (sites that have obtained an Erosivity Waiver) and past record of non-compliance by the operator of the construction site. Inspection frequencies shall be conducted based on the prioritization criteria described above.

At the conclusion of the project, the Permittee must inspect to ensure that all disturbed areas have been stabilized and that all temporary erosion and sediment control measures that are no longer needed have been removed as required by the local construction site storm water control ordinance.

(iii) Reporting – The Permittee shall use State Water Board SMARTS to submit a summary of the past year activities and certify compliance with all requirements of this program element. The summary shall also address the relationship between the program element activities and the Permittee's Program Effectiveness Assessment and Improvement Plan that tracks annual and long-term effectiveness of the storm water program. If a Permittee is unable to certify compliance with a requirement in this program element see Section E.16.a.for compliance directions.

Monterey Regional Stormwater Management Program (MRSWMP) Erosion and Sediment Control Plan

For Projects Disturbing Less Than One Acre and Not Part of a Larger Plan of Development

Plan Check No.
Developers of sites requiring a Grading Permit that disturb less than one acre and are not part of a larger plan of development, are required to submit an Erosion and Sediment Control Plan prior to the issuance of a Grading Permit. Complete all sections and submit with the Grading Plan.
Project Address APN(s)
Owner Name
Owner Mailing Address
Street City State Zip Owner Phoneemail
Contractor/Business Name
Contractor Mailing AddressStreet City State Zip
Phone email FAX
Size of Parcel(s) Estimated disturbed soil area sq ft
Type of Project (check all that apply) Residential Commercial Industrial Landscape Tenant Improvement Site Work New Construction Remodel Addition
Description of Work
Anticipated Start of Project Anticipated Completion Date
Other Applicable Permits (check all that apply) US Army Corps 404 Construction General Permit A01 Water Quality Certification CA Fish & Wildlife Agrmt
Other (Identify)
For Office Use Only
Nearest Water Bodies:
Distance of Water Bodies from Project
Project Threat to Water Quality based on: (1) the amount of sediment that may potentially become discharged; and (2) the risk that sediment discharges pose to the receiving water Low Medium High

Any permits directly associated with grading activity shall be obtained prior to commencing any soil disturbing activities.

THE FOLLOWING INFORMATION IS REQUIRED FOR ALL EROSION AND SEDIMENT CONTROL PLANS.

- 1. Site Plan Applicant shall provide a site plan as part of the grading plan with the following information: Show all Best Management Practices (see below) to be placed on and off site; north arrow; slope direction; scale; location of all existing structures and impervious surfaces; location of any nearby waterways or basins; nearby storm drain inlets; frontage and side streets; and existing vegetation and trees.
- **2. Best Management Practices (BMPS)** At a minimum, the following BMPs are required. Verify ALL of these measures are addressed on the project site plan submittal.
 - **A. Wet Weather Measures** If possible, avoid land-disturbing activities during the wet weather season of October 1 through May 31.
 - **B. Existing Vegetation** Protect existing vegetation wherever possible.
 - **C. Sweeping** All impervious surfaces shall be swept–not washed or hosed down–and maintained free of debris and accumulations of dirt.
 - **D. Waste Management** All construction waste including paint, concrete, or any other type of wash out, shall be contained and disposed of properly; no construction material shall be washed to the street.
 - **E. Vehicles and Equipment** Responsible parties for your site shall be responsible for ensuring all construction vehicles and equipment will not cause dirt or mud to be tracked off site.
 - **F. Catch Basin Protection** Catch basins or drop inlets that receive storm water must be covered or otherwise protected from receiving sediment, mud, dirt, or any debris.
 - **G. Sediment Filters/Barriers** A properly installed silt fence or equivalent shall be installed around the site perimeter and located so that all runoff from the construction site is filtered prior to leaving the site.
 - **H. Plastic Sheeting** Tarps or equivalent shall be used to protect small, highly erodible areas, temporary stockpiles of material, and haul trucks.

3.	Site-Specific BMPs List all site-specific BMPs not listed above
4.	Rationale Explain the basis for selecting site-specific BMPs; provide soil loss calculations if necessary

Contractor shall inspect BMPs regularly and prior to storm events. Contractor shall maintain BMPs in good repair at all times.

Resources

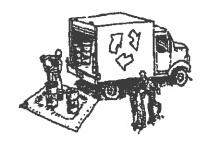


Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Clean Water. Healthy Community.

Materials & Waste Management



Non-Hazardous Materials

- Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ** Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ☐ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- Cl Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ☐ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site
- Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, avp hoard, pipe, etc.)
- Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site
- Sweep or vacuum any street tracking immediately and secure acdiment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



Maintenance and Parking

- Designate an area, fitted with appropriate BMPs. for vehicle and equipment parking and storage.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan big enough to collect fluids.

 Recycle or dispose of fluids as hazardous waste.
- If vehicle or equipment cleaning must be done onsite, clean with water only in a bernied area that will not allow riase water to run into gutters, streets, storm drains, or surface waters.
- Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, steam cleaning equipment, etc.

Spill Prevention and Control

- Keep spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- Clean up spills or leaks immediately and dispose of cleanup materials properly.
- Do not hose down surfaces where fluids have spilled Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them
- Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- □ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill. 1) Dial 911 or your local emergency response number. 2) Call the Governor's Office of Emergency Services Warning Center. (800) 852-7550 (24 hours).

Earthwork & Contaminated Soils



Erosion Control

- Schedule grading and excavation work for dry weather only.
- Stabilize all denuded areas, install and maintain temporary erosion controls (such as crosion control fabric or bonded fiber matrix) until segetation is established.
- Seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.

Sediment Control

- Protect storm drain inlets, gutters, ditches, and drainage courses with appropriate BMPs, such as gravel bags, fiber rolls, berns, etc.
- Prevent sediment from migrating offsite by installing and maintaining sediment controls, such as fiber tolls, silt fences, or sediment basins.
- O Keep excavated soil on the site where it will not collect into the street
- ☐ Transfer excavated materials to dump trucks on the site, not in the street
- ☐ Contaminated Soils
- If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
 - Unusual soil conditions, discoloration or odor.
- Abandoned underground tanks.
- Abandoned wells
- Buried barrels, debris, or trash.

Paving/Asphalt Work



- Avoid paving and seaf coating in wet weather, or when rain is forecast before fresh pavement will have time to cure.
- Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- Collect and recycle or appropriately dispose of excess abrasive gravel or sand.
 Do NOT sweep or wash it into gutters.
- Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

- ☐ Completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, eatelt basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is
- ☐ If sawout slurry enters a catch basin, clean it up immediately

Concrete, Grout & Mortar Application



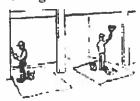
- Store concrete, grout and mortar under cover, on pallets and away from drainage areas. These materials must never reach a storm drain.
- □ Wash out concrete equipment/trucks offsite or in a contained area, so there is no discharge into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- Collect the wash water from washing exposed aggregate concrete and remove it for appropriate disposal offsite.

Dewatering



- ☐ Effectively manage all run-on, all runoff within the site, and all runoff that discharges from the site. Divert run-on water from offsite away from all disturbed areas or otherwise ensure compliance.
- ☐ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ☐ In areas of known contamination, testing is required prior to reuse or disclarge of groundwater. Consult with the Engineer to determine whether testing is required and how to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.

Painting & Paint Removal



Painting cleanur

- We ver clean brushes or rinse point containers into a street, gutter, storm drain, or surface waters.
- For water-based paints, point out brushes to the extent possible. Rinse to the sanitary sewer once you have gained permission from the local wastewater treatment authority. Never pour paint down a drain.
- ☐ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of residue and unusable thinner/solvents as hazardous waste.

Paint removal

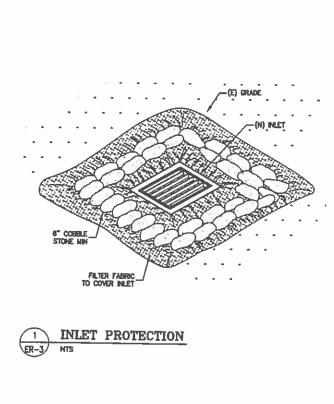
- Chemical point stripping residue and chips and dust from marine paints or paints containing lead or tributyltin must be disposed of as hazardous waste.
- ☐ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.

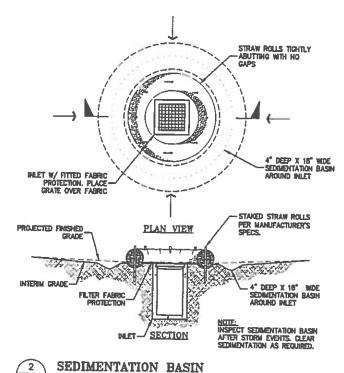
Landscape Materials



- Contain stockpiled landscaping materials by storing them under tarps when they are not actively being used.
- Stack erodible landscape material on pallets. Cover or store these materials when they are not actively being used or applied.
- ☐ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

Storm drain polluters may be liable for fines of up to \$10,000 per day!

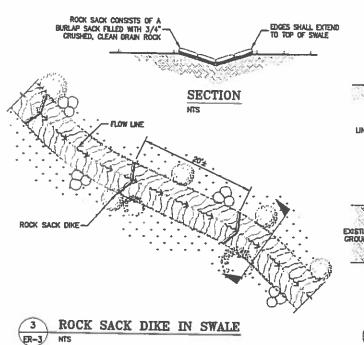


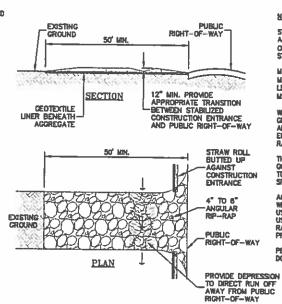


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NOTES:

STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED

MATERIAL SHALL BE PLACED TO A MINIMUM THEODIESS OF 12°. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50'.

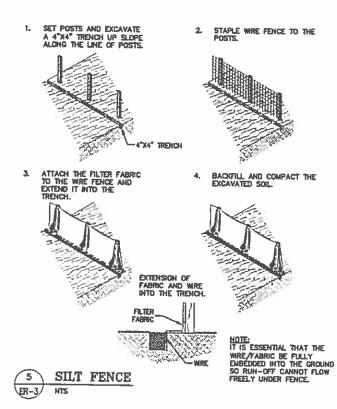
MOTH SHALL BE A MIN, OF 15' OR CREATER IF NEDESSARY TO COVER ALL VEHICULAR BIGRESS AND EGRESS. PROVIDE AMPLE TURNING RADIL.

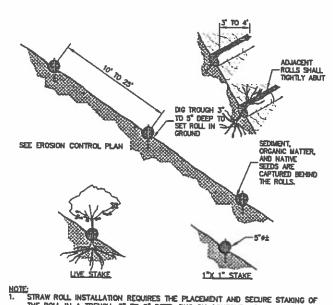
THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFED IN ABOVE NOTE.

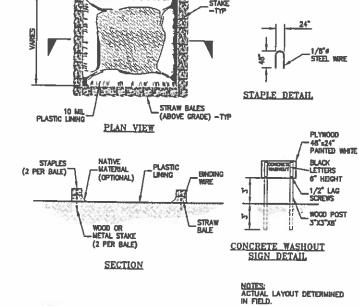
Accesses shall be inspected wedcly during pergos of heavy usage, morthly during normal usage, and after each grafall, with manitomance provided as necessary.

PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

CONSTRUCTION ENTRANCE

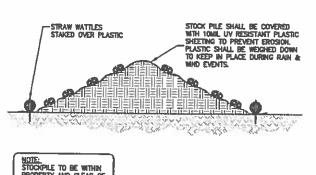






THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 10' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

TO' MIN.



NOTE: STOCKPILE TO BE WITHIN PROPERTY AND CLEAR OF TREE DRIPLINE AND ROOTS.

STOCK PILE COVERING ER-3

NOTE:

1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" TO 5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

CONTRACTOR IS RESPONSIBLE FOR REGULAR MAINTENANCE AND INSPECTION. THE SILT SHALL BE CLEANED OUT WHEN IT REACHES HALF THE HEIGHT OF THE ROLL.

STRAW ROLLS CONCRETE WASHOUT NTS ER-3 NTS

PURPOSE:

MRSWMP Meeting Notice & Agenda - 8/1/14
THE PURPOSE OF THIS PLAN IS TO STABILIZE THE SITE TO PREVENT EROSION OF GRADED AREAS AND TO PREVENT SEDMENTATION FROM LEAVING THE CONSTRUCTION AREA AND AFFECTIVE NEIGHBORING SITES, NATURAL AREAS, PUBLIC FACILITIES OR ANY OTHER AREA THAT MIGHT BE AFFECTED BY SEDMENTATION. ALL MEASURES SHOWN ON THIS PLAN SHOULD BE CONSIDERED THE MINIMUM REQUIREMENTS NECESSARY. SHOULD FIELD CONDITIONS DICTATE ADDITIONAL MEASURES, SUCH MEASURES SHALL BE PER CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDMENTATION CONTROL AND THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION. LEA & BRAZE ENGINEERING SHOULD BE NOTIFIED IMMEDIATELY SHOULD CONDITIONS CHANGES.

EROSION CONTROL NOTES:

- 1. IT SHALL BE THE OWNER'S/CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL OF THE ENTIRE CONSTRUCTION OPERATION AND TO KEEP THE ENTIRE SITE IN COMPLIANCE WITH THIS ENTIRE SITE IN COMPLIANCE WITH THIS ENTIRE SITE IN COMPLIANCE WITH THIS
- THE INTENTION OF THIS PLAN IS FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY. ALL
 EROSION CONTROL MEASURES SHALL CONFORM TO CALIFORNIA REGIONAL WATER QUALITY
 CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL, THE CALIFORNIA
 STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR
 CONSTRUCTION, AND THE LOCAL GOVERNING AGENCY FOR THIS PROJECT.
- 3. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, DURING, AND AFTER STORM EVENTS, PERSON IN CHARGE OF MAINTAINING EROSION CONTROL MEASURES SHOULD WATCH LOCAL WEATHER REPORTS AND ACT APPROPRIATELY TO MAKE SURE ALL NECESSARY MEASURES ARE IN PLACE.
- 4. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 5. During the rainy season, all paved areas shall be kept clear of earth material and debris. The stie shall be mantared so as to minimize sediment—laden runoff to any storm drainage system, including existing drainage swales and watercourses.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MAINER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY REQUIREMENTS.
- ALL MATERIALS NECESSARY FOR THE APPROVED EROSION CONTROL MEASURES SHALL BE IN PLACE BY OCTOBER 1514.
- EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON, OR FROM OCTOBER 15TH THROUGH APRIL 15TH, WHICHEVER IS LONGER.
- 10. IN THE EVENT OF RAIN, ALL GRADING WORK IS TO CEASE IMMEDIATELY AND THE SITE IS TO BE SEALED IN ACCORDANCE WITH THE APPROVAL EROSION CONTROL MEASURES AND APPROVED EROSION CONTROL PLAN.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND REPAIRING EROSION CONTROL SYSTEMS AFTER EACH STORM.
- Additional Erosion Control Measures may be required by Local Jurisdiction's engineering department or building officials.
- 13. MEASURES SHALL BE TAKEN TO COLLECT OR CLEAN ANY ACCUMULATION OR DEPOSIT OF DIRT, MUD, SAND, ROCKS, CRAYEL OR DEBRIS ON THE SURFACE OF ANY STREET, ALLEY OR PUBLIC PLACE OR IN ANY PUBLIC STORM DRAIN SYSTEMS. THE REMOVAL OF AFORESAID SHALL BE DONE BY STREET SWEEPING OR HAND, SWEEPING. WATER SHALL NOT BE USED TO WASH SEDIMENTS INTO PUBLIC OR PRIVATE DRAINAGE FACILITIES.
- 14. EROSION CONTROL MEASURES SHALL BE ON-SITE FROM SEPTEMBER 15TH THRU APRIL 15TH.
- 15. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RANY SEASON OR FROM OCTOBER 15 THRU APRIL 15, WHICHEVER IS GREATER.

PERIODIC MAINTENANCE:

- 1. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
 - A. DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION SHALL BE REPAIRED AT THE END OF EACH WORKING DAY.
- B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS
- C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPARS MADE AS NEEDED.
- D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH
- E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- F. RILLS AND CULLIES MUST BE REPAIRED.
- RAVEL BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDMENT DEPTH IS ONE HALF THE HEIGHT OF ONE GRAVEL BAG.
- STRAW ROLLS SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHED HALF THE HEIGHT OF THE ROLL.
- SILT FENCE SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHES ONE FOOT IN HEIGHT.
- 5. CONSTRUCTION ENTRANCE SHALL BE REGRAVELED AS NECESSARY FOLLOWING SILT/SOIL BUILDUP.
- ANY OTHER EROSION CONTROL MEASURES SHOULD BE CHECKED AT REGULAR INTERVALS TO ASSURE PROPER FUNCTION

REFERENCES:

- CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDMENTATION CONTROL
- 2 CALIFORNIA STORM WATER GUALITY ASSOCIATION BEST MANAGEMENT-PRACTICES HANDBOOK FOR CONSTRUCTION

EROSION CONTROL MEASURES:

- THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDMENT DURING THE RAINY SEASON, OCTOBER 15TH TO APRIL 15. EROSION CONTROL FACILITIES SHALL BE IN PLACE PRIOR TO OCTOBER 15TH OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DEPAIDED SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
- SITE CONDITIONS AT TIME OF PLACEMENT OF EROSION CONTROL MEASURES MILL VARY, APPROPRIATE ACTION INCLUDING TEMPORARY SWALES, INLETS, HYDROSEEDING, STRAW BALES, ROCK SACKS, ETC. SHALL BE TAKEN TO PREVENT EROSION AND SEDIMENTATION FROM LEAVING SITE, EROSION CONTROL MEASURES SHALL BE ADJUSTED AS THE CONDITIONS CHANGE AND THE NEED OF CONSTRUCTION SHIFT.
- 3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EDISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE GOVERNING AGENCY.
- 4. ALL EXPOSED SLOPES THAT ARE NOT VECETATED SHALL BE HYDROSEEDED. IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY OCTOBER 15, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SEED, MULCH, CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SELD, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFER AND MULCH, HYDROSEDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 20° EROSION CONTROL AND HIGHWAY PLANTING OF THE STANDARD SPECIFICATION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, AS LAST REVISED, REPER TO THE EROSION CONTROL SECTION OF THE GRADING SPECIFICATIONS THAT ARE A PART OF THIS PLAN SET FOR FURTHER INFORMATION.
- 5. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT. MINIMUM INLET PROTECTION SHALL CONSIST OF A ROCK SACKS OR AS SHOWN ON THIS PLAN
- 6. THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE STITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS, VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. A REPRESENTATIVE OF LEA & BRAZE ENGINEERING SHALL PERFORM A FIELD REVIEW AND MAKE RECOMMEDIATIONS AS NEEDED, CONTRACTOR IS RESPONSIBLE TO NOTIFY LEA & BRAZE ENGINEERING AND
- 7. THE EROSION CONTROL MEASURES SHALL CONFORM TO THE LOCAL JURISDICTION'S STANDARDS AND THE APPROVAL OF THE LOCAL JURISDICTION'S ENGINEERING DEPARTMENT.
- 6. STRAW ROLLS SHALL BE PLACED AT THE TDE OF SLOPES AND ALONG THE DOWN SLOPE PERMIETER OF THE PROJECT. THEY SHALL BE PLACED AT 25 FOOT INTERVALS ON GRADED SLOPES. PLACEMENT SHALL RUN WITH THE CONTOURS AND ROLLS SHALL BE TIGHTLY END BUTTED. CONTRACTOR SHALL REFER TO MANUFACTURES SPECIFICATIONS FOR PLACEMENT AND INSTALLATION INSTRUCTIONS.

CONSTRUCTION BEST_MANAGEMENT PRACTICES

- REFER TO THE CALIFORNIA STORMWATER QUALITY ASSOCIATION HANDBOOK FOR CONSTRUCTION BMP FACT SHEETS FOR A COMPLETE DESCRIPTION OF THE BEST MANAGEMENT PRACTICES TO BE USED.
- CONSTRUCTION BMP FACT SHEETS FROM THE HANDBOOK FOR BMPS USED ON THIS PROJECT ARE LOCATED IN APPENDIX E OF THE EROSION POLLLITION PREVENTION PLAN.

EROSION CONTROL BMPS:

(E-1 CONSTRUCTION SCHEDULING

(EC-) HYDROSEEDING

(EC-4) STRAW MULCH

62-9 DRAINAGE SWALES

VELOCITY DISSIPATION DEVICES

(WC-1) WIND EROSION CONTROL

SEDIMENT CONTROL BMPS:

(SE-1) SILT FENCE

(SE→) GRAVEL BAG CHECK DAM

(SE-5) STRAW ROLLS

SE-7 STREET SWEEPING AND VACUUMING

(SE-10) STORM DRAIN INLET PROTECTION

TRACKING CONTROL BMPS:

(C-) STABILIZED CONSTRUCTION ENTRANCE

NON-STORMWATER CONTROL BMPS:

WATER CONSERVATION PRACTICES NS-1

PAVING AND GRINDING OPERATIONS MS-3

ELLICIT CONNECTION / DISCHARGES NS-6

POTABLE WATER / IRRIGATION NS-7

KS-B VEHICLE AND EQUIPMENT CLEANING

VEHICLE AND EQUIPMENT FUELING NS-9

165-10 VEHICLE AND EQUIPMENT MAINTENANCE

(NS-12) CONCRETE CURING

MATERIALS POLLUTION AND WASTE MANAGEMENT CONTROL BMPS:

MATERIAL DELIVERY AND STORAGE MW-1

MW-2 MATERIAL USE

STOCKPILE MANAGEMENT

MW-4 SPILL PREVENTION AND CONTROL

SOLID WASTE MANAGEMENT MW-5

MW-8 HAZARDOUS WASTE MANAGEMENT

CONCRETE WASTE MANAGEMENT MW-8

MW-9 SANITARY AND SEPTIC WASTE MANAGEMENT

REFERENCES:

- 1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
- 2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION.

Attachment 2b

MRSWMP Meeting Notice & Agenda - 8/1/14

GENERAL NOTES

ALL GENERAL HOTES, SHEET HOTES, AND LEGEND NOTES FOLHO IN THESE DOCUMENTS SHALL APPLY TYPICALLY THROUGHOUT. IF INCONSISTENCES ARE FOLHO IN THE VARIOUS MOTATIONS, MOTEY THE ENGINEER RAMEDIATELY IN WITTING REQUESTING CLARFICATION.

THESE DRAWINGS AND THEIR CONTENT ARE AND SHALL REMAIN THE PROPERTY OF LEA AND BRAZE ENGREERING, INC. WENTERS THE PROJECT FOR WHICH THEY ARE PREPARED IS EXCUTED ON MOT, THEY ARE NOT TO BE USED BY ANY PRISONS OF OTHER PROJECTS OF CITES/SONS OF THE PROJECT EXCEPT BY ARREMENT IN TRITTING AND WITH APPROPRIATE COMPRESSION TO THE ENGREER.

ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND TRADE STANDARDS WHICH CONFIDE EACH PHASE OF WORK INCLUDING, BUT NOT LIMITED TO. CHAFFORMA NECONANCIAL CODE, CALIFORMA PLEAMENG, CODE, CALIFORMA PLEAMENG, CODE, CALIFORMA PLEAMENG, CALIFORMA STANDARDS AND SEPECIFICATIONS, AND ALL APPLICABLE STATE AND/OR LOCAL CODES AND/OR LEGISLATION.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL SUBCONTRACTORS TO GREEK AND VERBY ALL CONDITIONS, OMERSONS, LINES AND LEVELS HOUGHTS. PROPER FIT AND ATTACHMENT OF ALL PARTS IS REQUIRED, SHOULD THOSE BE ANY DISCREPANCES, MEMBERALTELY NOTIFY THE DEMORETS CONCRETION OF AN LEVEL OF FAILURE TO DO SO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONCRETION OF ANY LEVEL.

all dimensions and conditions shall be checked and verified on the Job by Each Subcontractor before ne/she besids his/her bone. Any englis, comission, or discrepances shall be brought to the attention of the obber/contractor before construction begins.

COMMENCEMENT OF WORK BY THE CONTRACTOR AND/OR ANY SUBCONTRACTOR SHALL RODICATE ISHORLEDGE AND ACCEPTANCE OF ALL CONDITIONS DESCRIBED IN THESE CONSTRUCTION DOCUMENTS, OR DISSIBILE ON STR., WHICH COULD AFFECT THEIR WORK.

WORK SECLENCE

In the event any special sequencing of the work is regulard by the owner or the contractor, the contractor shall arrange a conference before any such work is because the contractor shall arrange a conference before any such work is because the conference before the conf

SITE EXAMPLATION: THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL THOROUGHLY EXAMPLE THE SITE AND FAMILIARIZE NUT/NEISELF WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFURBED. THE CONTRACTOR SHALL VERBY AT THE SITE ALL MEASUREMENTS AFFECTING HIS/HER WORK AND SHALL SE RESPONSEE FOR THE CORPENSIONS OF THE SAME, NO EXTRA COMPOSITION WILL BE ALLOWED TO THE CONTRACTOR FOR EMPERSION DUE TO HIS/HER MODILE TO DECAMPLE, OR FAILURE TO DESCRIVER, CONDITIONS WHICH AFFECT HIS/HER WORK.

LEA AND BRAZE DIGNEEPING, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS, THESE PLANS AND NOT TO BE REPRODUCED, CHANGED OR COPED BY ANY FURBLE OR MANNER WHATSCHARE, NOW, ANY ENTRY TO BE ASSOCIATED TO A THROU PARTY WITHOUT PIECE OF THE PROPERTY OF THESE PLANS BY A THROU PARTY, THE THROU PARTY OF UNLAWARD RESIDENCE OF THESE PLANS BY A THROU PARTY, THE THROU PARTY SHALL HOLD WARRIES LEA AND BRAZE DEGREENING.

CONSTRUCTION IS ALIMA'S LESS THAN PEWFELT SINCE PROJECTS REQUIRE THE COORDINATION AND INSTALLATION OF MANY NEINELL COMPONENTS BY VARIOUS CONSTRUCTION BRUISTRY TRADES. THESE DOCUMENTS CONSTRUCTION PERSONAL SERVICES WILL BE PRESENT OF A RESIDENCE STATE OF THE PERSONAL OF A RESIDENCE STATE OF THE PROPERTY OF A RESIDENCE STANDARD BY THESE DOCUMENTS THAT CONSTRUCTION REVIEW SERVICES WILL BE PROVIDED BY THE ENQUIRED BY THESE DOCUMENTS THAT CONSTRUCTION REVIEW SERVICES WILL BE PROVIDED BY THE ENQUIRE SHOULD BY OWNER NOT RETAIN THE ENGUIRET TO PROVIDE SIGH SERVICES, OR SHOULD BE ANOTHER OWNER NOT RETAIN THE PROPERTY OF PROVIDE OBLY PARTIAL OR LIMITED SERVICES. THEN IT SHALL BE THE OWNER'S AND CONTRACTOR'S RESPONSIBILITY TO FULLY RECOGNIZE AND PROVIDE THAT STANDARD OF CARE.

IF THE OWNER OR COMPACTOR OBSERVES OR OTHERWISE BECOMES ANIME OF MAY FAULT OR DEFECT IN THE PROJECT OR HONCOMPORTANCE WITH THE COMPACT DOCUMENTS, PROJETY WITTEN HOTICS THEREOF SHALL BE GIVEN BY THE OWNER AND/OR CONTRACTOR TO THE EMEMBER.

THE EMBNEER SHALL NOT HAVE CONTROL OF OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNOLES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PROCEDURES, OR PROCEDURES IN CONSECUENT WITH THE WORK, FOR THE ACTS OR CASSOONS OF THE CONTRACTOR, SIGNATOR OF THE PERSONS FEWTOMANS ANY OF THE WORK, OR FOR THE FALLINE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT

SIE SKOECKIN

PROTECT ALL LANGSCAPING THAT IS TO REMAIN ANY DAMAGE OF LOSS RESILTING FROM EXCAVATION, GRADBING, OR CONSTRUCTION NUME SHALL BE CONNECTED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING SITE UTILITIES AND SHALL CONDITIONE THERE RESILVANCE FROM THE LOCATION OF ANY TO AVOID ANY NETWORNSHOOD SHALL DAMAGE THE REPLACE CONTRACTOR SHALL RETURN ANY THE REPLACE TO ADJACENT AREAS. THE EMERGIAL CONTRACTOR SHALL RETURN HE AREAS AND STATE RECURRENISMS AND EXCHANGE WITH ALL PEDERAL AND STATE RECURRENIST TO REQUICE FRE HAZARDS AND HURRES TO THE FRUIL.

STORMWATER POLLUTION PREVENTION NOTES

- 1) STORE, NAVOLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMMATER.
- CONTROL AND PREVENT THE DISCHARGE OF ALL PUTENTIAL POLLUTANTS, BYCLIDENG SOLD WASTES, PARTS, CONCRETE, PETRALEIAN PRODUCTS, CHEMICAS, WASH WATER OR SEDMENT, AND NON-STORMWATER DISCHARGES TO STORM DAMPAS AND WATER COURSES.
- 3) USE SEDMENT CONTROL OR FILIRATION TO REMOVE SEDMENT FROM DEMATERING EXPLIENT.
- 4) AVIDI CLEMBIC, FUELIKO, OR MANTABORG VEHICLES ON SITE, EXCEPT IN A DESIGNATED AREA IN WHICH PLANOFF IS CONTAINED AND TREATED.
- DELINEATE CLEARING LIBITS, EAST-BEITS, SETSACIES, SENSITIVE OR CHIRCAL AREAS, BUFFER ZONES, TREES AND DISCUARCE COURSE WITH FELD MARGETS.
 BOTTOTT ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRAT
- PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION REPAIRS USING VENETATIVE BUFFER STRIPS, SEDMENT BARRIERS OF FILTERS, DIVES, MALCHING, OR OTHER MEASURES AS APPROPRIATE.
- PENDONI CLEARING AND EARTH MOVING ACTIVITIES DURING DRY WEATHER TO THE MAISHUM EXTENT PRACTICAL.
- 8) UNIT AND THE APPLICATIONS OF PESTICOES AND PERTUZERS TO PREVENT POLITIED RUNGIF.
- 0) LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
- 10) AVOID TRADIGIC DIRT OR MATERIALS OFF-STIE; CLEAN OFF-STIE PAVED AREAS AND SIDEWALKS USING DRY SMEEPING METHODS TO THE MANIMUM EXENT PRACTICAL.

SUPPLEMENTAL MEASURES

- A. THE PHRASE "NO DUAPPING DRAMS TO BAY" OR EDUALLY EFFECTIVE PHRASE MUST BE LABELED ON STORM DRAW BRETS (BY STENCING, BRANDING, OR PLACUES) TO ALERT THE PUBLIC TO THE DESTINATION OF STORM MATER AND TO PREVENT DIRECT DESCHARGE OF POLLUTANTS WITO THE STORM DRAW,
- B. USING PERIFATION MATERIALS ON STORM DRAIN COVERS TO REMOVE SEDMENT FROM DEMATERING EFFLUENT.
- C. STABILIZING ALL DENIDED AREAS AND MAINTAINING EROSON CONTROL MEASURES CONTINUOUSLY FROM OCTOBER 15 AND APRIL 15.
- D. REMONING SPOLS PROMPTLY, AND AVOID STOOPLING OF FILL MATERIALS, WHEN RAIN IS FORECAST. IF RAIN INVESTIGES, STOOPLED SOLS AND OTHER MATERIALS SHALL BE COVERED WITH A TAMP OR OTHER MATERIPROOF MATERIAL.
- E. Storma, Hambling, and disposing of construction materials and mastes so as to avoid their entity to the storm dram systems on water body,
- F. AVOIDING CLEANING, FLELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN AN AREA DESIGNATED TO CONTAIN AND TREAT RUNGE.

<u>GRADING & DRAINAGE NOTES:</u>

1. SCOPE OF WORK

THESE SPECIFICATIONS AND APPLICABLE PLANS PIETRAN TO AND INCLIDE ALL STE GRADING AND EARTH-MORE ASSOCIATED WITH THE PROJECT INCLIDING, BUT NOT LIATED TO THE PURPHSHIPS OF ALL LABOR, TOOLS AND EQUIPMENT INCESSANTY FOR SITE CLEANING AND GRADINGS, SITE PRESPARATION, COSPOSAL OF EXCESS OR LIARSHTABLE MATERIAL, STREPPING, RETINAS, DECAMATION, COSP ECLANATION, PERCORPACION PREPARATION FOR SOLI RECEIVED FILE PARKETS, TRANSPORT, FOLIAGATION OF ELARS, EXCANATION, INPORTATION OF ANY RECURRED FILE LIATERIAL, PROCESSANT, PLACEMENT AND COMPACTION OF FILE AND SECRETARY BOOK MEDICASANT PROCESSANT TO COMPLETE THE GRADING TO CONFIDENT TO THE LINES, GRADING AND SLOPE SHOWN ON THE PROJECT GRADING PLANS.

2. CENERAL

- A. ALL STE GRADING AND EARTHWORK SHALL CONFURN TO THE RECOMMENDATIONS OF THESE SPECIFICATIONS, THE SOLLS REPORT; AND THE TOWN OF ATHERTON.
- 8. ALL FILL MATERIALS SHALL BE DENSIFED SO AS TO PRODUCE A DENSITY NOT LESS THAN BOX RELATIVE COMPACTION BASED LIPCH ASTAIL TEST DESIGNATION DISST. FIELD DENSITY TEST WILL BE PERFORMED IN ACCORDANCE WITH ASTAIL TEST DESIGNATION 2822 AND 3017. THE LOCATION AND FREQUENCY OF THE PELLO DENTY TEST WILL BE AS DETERMINED BY THE SOLD REGISTER. THE RESILES OF THESE TEST AND COMPLIANCE WITH THE STEDEFACTORY WILL BE ADDED BY THE SOLD REGISTER. THE RESILES OF SHELL BE CONSTRUCTED AS SHOWN ON PLANS, BUT NO STEEPER THAN TWO (2) HORIZONTAL TO DUE (1) VETTICAL.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SATESFACTORY COMPLETION OF ALL THE EARTHMORY. IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, NO DEVATION FROM THESE SPECIFICATIONS SHALL BE MADE EXCEPT LYON WRITTEN APPROVAL BY THE SOUS DEMORET. BOTH OUT AND FILL AREAS SHALL BE SUFFACE COMPLETED TO THE SATISFACTION OF THE SOUS DEMORET. AT THE CONCLUSION OF ALL GROUND OPERATIONS AND FROM TO FRAM, ACCEPTANCE, THE CONTRACTOR SHALL NOTIFY THE SOUS DEMORET. AT LEAST TWO (2) WORDING DAYS PRIOR TO DOING ANY SITE SHALLOW, AND EARTHMORY.

L CLEARING AND CRUBRING

- A THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION. ALL EXISTING PURILC REPROPERSITS SHALL BE PROTECTED, ANY IMPROVEMENTS DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE LOCAL JURISDICTION WITH NO EXTRA COMPRISATION.
- B. ALL ABAIDONED BUILDINGS AND FOUNDATIONS, THEE (EXCEPT THOSE SPECIFED TO RELIAIN FOR LANDSCAPING PURPOSES), FENCES, VICKETATION AND ANY SURFACE DEBRIS SHALL BE REMOVED AND DISPOSED OF DIFF THE STITL BY THE CONTRACTOR.
- C. ALL ARABONED SEPTIC TANKS AND ANY OTHER SUBSUIFACE STRUCTURES DISTRIO IN PROPOSED DEVELOPMENT AREAS SHALL BE REMOVED PRIOR TO ANY GRADING OF FILL OPPIATION, ALL APPLICITMENT DRAW FIELDS AND OTHER CONNECTING LINES MASS ALSO BE TOTALLY REMOVED.
- O. ALL ABANDONED UNDERGROUND ERROATION OR LITELTY LINES SHALL BE REMOVED ON DEMOLSHED, THE APPROPRIATE FINAL DEPOSITION OF SUCH LINES DEPEND LIPON THEIR DEPTH AND LOCATION AND THE METHOD OF REMOVAL OR DEMOLITION SHALL BE DETERMINED BY THE SOLS ENGINEER, ONE OF THE FOLLOWING METHODS YOLL BE USED:
 - (1) DICAYATE AND TOTALLY REMOVE THE LIBILITY LINE FROM THE TRENCH.
 - (2) EXCAVATE AND CRUSH THE ISSUITY LINE IN THE TREMEN
 - (3) CAP THE ENDS OF THE UTLITY LINE WITH CONCRETE TO PREVENT THE ENTRANCE OF WATER. THE LOCATIONS AT WHICH THE UTLITY LINE WILL BE CAMPED WILL BE DETERMINED BY THE UTLITY DESTRICT ENGINEER. THE LENGTH OF THE CAP SHALL HOT BE LESS THAN FIVE FEET, AND THE CONCRETED MIX EMPLOYED SHALL HAVE MININEAN SHROWCH.

4. SITE PREPARATION AND STRIPPING

- A ALL SURFACE CREATICS SHALL BE STREPPED AND REMOVED FROM BUILDING PAGS, AVEAS TO RECEIVE COMPACIED FILL AND PAVEMENT AVEAS.
- B. LIPON THE COMPLETION OF THE CRIGAINC STRIPPING OPERATION, THE CRICARO SURFACE (NATIVE SOR, SUBGRADE) OVER THE ENTIRE AREA OF ALL BUILDING PADS, STREET AND PAYEDENT AREAS AND ALL AREAS TO RECEIVE COMPACTED PLL SHALL BE PLONED OR SCAPETED UNIT, THE SURFACE IS FREE OF RUIS, HAMAGOOS OR OTHER UNEVER THE PLONE SIX SCAPETED UNIT, THE SURFACE IS FREE OF GROUND SURFACE SHALL THEN BE DESCED OR BLOOD TO A DEPTH OF AT LEAST 6 MODES. UPON DISCHARGE SANISATION, THE NEW SURFACE SHALL BE MATER CONDITIONED AND RECOMPACTED PER RECOMPLETES FOR COMPACTING FILL MATERIAL.

5. EXCAVATION

- A UPON COMPLETION OF THE CLEARING AND GRUEBING, STE PREPARADION AND STROPPING, THE CONTRACTOR SHALL MAKE DICAYADORS TO LINES AND GRADES NOTED ON THE FLAN. INVESTE REQUIRED BY THE SOULS DICKNET, UNACCEPTABLE IN THE SOILS OF MICHONEERED FILL SHALL BE VILLED DICAYATED BEDOWN THE DESIGN GRADE. SEE PROJECT SOILS REPORT FOR DISCUSSION OF OVER DICAYATION OF THE UNACCEPTABLE MATERIA, RESULTING GROUND LINES WILL FEDDERSON ON SETUP CONDITIONED AND RECOMPACTED AS SPECIFIED OF SECTION 4 OF THESE SPORPLANDIS, COMPACTED FILL MATERIAL SHALL SE PLACED TO BRING GROUND LEVEL BACK TO DESIGN GRADE.
- B. DECAYATED MATERIALS SITURE FOR COMPACTED FIL MATERIAL SHALL BE UTILIZED IN MAKING THE REQUIRED COMPACTED FILLS. THOSE MATTRE MATERIALS CONSIDERED UNSUITABLE BY THE SOLIS ENGINEER SHALL BE OSFORCED OF OFT THE STEE BY THE CONTRACTOR.

6. PLACING SPREADING AND COMPACTING FIL MATERIAL

A FILL MATERIALS

THE MATERIALS PROPOSED FOR USE AS COMPACTED FILL SHALL BE APPROVED BY THE SOLIS DICINCENSESTIVE COMMENCEMENT OF GRADING OPERATIONS. THE MATERIAL IS CONSIDERED SITTABLE FOR FILL HOWEVER, MAY NATIVE MATERIAL DESIGNATED USERIALE BY SOLIS DICINCENSES SHALL BY REMOVED FROM THE SITE BY THE CONTRACTOR. MAY AMPORTED MATERIAL SHALL BE APPROVED FOR USE BY THE SOLIS DICINCEDE, IN WITHOUT, BEFORE BRING AMPORTED TO THE SITE MO SHALL POSSESS SUFFICIENT FROS. TO PROVIDE A COMPETENT SOLI MATERIX MAD SHALL BY FREE OF VIDETATIVE MOD PROPERLY COMPACTED. MOD ROCKS LARGER THAN THREE MODES SHALL BE FIRED MED PROPERLY COMPACTED. NO ROCKS LARGER THAN THREE MODES BY DIAMETER SHALL BE FURNITIED.

B. FILL CONSTRUCTION

THE SOLE ENGNEER SHALL APPROVE THE NATIVE SOLL SUBGRADE REFORE PLACEMENT OF ANY COMPACTED FILL MATERIAL INACCEPTRALE MATINE SOLL SHALL BE REMOVED AS DIRECTED BY THE SOLLS DEMBERE. THE RESULTING GROUND LIVE SHALL BE SCAPPED MOSTURE CONDITIONED AND RECOMPACTED AS PEOPLED IN SECTION 4 OF THESE SPECIFICATIONS, COMPACTED FILL MATERIAL SHALL BE PLACED TO BRING GROUND LEVEL BACK TO DESON GRADE, GROUND PREPARATION SHALL BE FOLLOWED COURSELY BY FILL PLACEMENT TO PREVENT DRIVING OUT OF THE SUBSOLL BEFORE PLACEMENT OF THE FILL.

THE APPROVED FILL MATERIALS SHALL BE PLACED IN UNFORM MORZONTAL LAYERS NO THICKER THAN BY IN LOSE TRIODESS, LAYERS SHALL BE SPEEAD EVERY AND SHALL BE THROUGHTY BE AUG MIDED OURSING THE SPEEADING TO DESIRE INFORMATION OF MATERIAL BEACH LAYER, THE SCASSING SHADE AND FILL MATERIAL SHALL BE MOSTURE CONSTITUENT. IN EACH LAYER, THE SHALL BE AUGUSTURE. WHEN THE MOSTURE CONSTITUENT OF THE FILL SHE BEACH THAT SHALL BE AUGUSTURE. WHEN THE MOSTURE CONTENT OF THE FILL SHALL BE AUGUSTURE. WHEN THE MOSTURE CONTENT OF THE FILL SHALL BE AUGUSTURE. ON THE FILL SHALL BE AUGUSTURE. ON THAT SHALL BE AUGUSTURE CONTENT OF THE FILL SHALL BE AUGUSTURE. ON THE FILL SHALL BE AUGUSTURE CONTENT OF THE FILL SHALL BE AUGUSTURE OF THE SHALL BE AUGUSTURE.

AFTER EACH LAYER HAS BEEN PLACED, MORED, SPREAD EVIDLY AND MOISTURE CONDITIONED, IT SHALL BE COMPACTED TO AT LEAST THE SPREADED HENSTLY

The fill operation shall be continued in compacted layers as specified above until the fill has been brought to the finished slopes and gruces as shown on the plans. No layer shall be allowed to dirty out before subsequent layers are placed.

COMPACTION EQUIPMENT SHALL BE OF SUCH BESIGN THAT IT WILL BE ABLE TO COMPACT THE FILL TO THE SPECIFED MINIBALL COMPACTION WITHIN THE SPECIFED MOSTURE CONTENT RAINE. COMPACTION OF EACH LAYER SHALL BE CONTINUOUS OVER ITS ENTIRE AREA UNTIL THE REQUIRED MINIBALM DENSITY MAS BEEN OBTAINED.

7. DIT OR FILL SLOPES

ALL CONSTRUCTED SLOPES, BOTH CUT AND FILL, SHALL BE NO STEEPER THAN 2 TO 1 (HORSEONTAL TO VERTICAL), DURING THE GRADING OPERATION, COMPACTED FILL SLOPES SHALL BE OVERFLIED BY AT LEAST ONE FOOT HORSEONTALLY AT THE COMPLETION OF THE GRADING OPERATIONS, THE DURING ON THE SLOPES SHALL BE LABED OF TO DEAR! THE PROSED SLOPE BEARMORDS. ALL CUT AND FILL SLOPES SHALL BE LABED OF THE OFFICE STRUCKET TO FRISH GRADE AND THEN BE FLANTED WITH DESCRIPCION CONTROL SLOPE PLANTER. THE SELS DEMORET SHALL REVEW ALL CUT SLOPES ANALISM. THE SELS DEMORET SHALL REVEW ALL CUT SLOPES TO DETERMINE F ANY ADVISES ESTLOPE CONTROLS AND EXPOSED, F SUCH CONDITIONS OF THEM THE STRUCKET SHALL RECOMMEND THE APPROPRIATE MITIGATION MEASURES AT THE THEORY DESCRIPCION.

B. SEASONAL LUMITS AND DRAINAGE CONTROL

FIL MATERIALS SHALL NOT BE PLACED, SPREAD OR COMPACTED WHILE IT IS AT AN UNSUFFRENCY HIGH MOSTURE CONTENT OR DURING OTHERWISE UNFAVORABLE CONTENDS, WHEN THE WORK IS MITTERIAPTED FOR MY REASON HEF FIL OPPEATIBLES SHALL NOT BE RESIMED WITH FILD TEST PERFORMED BY THE SOLE DIAMETER MOTHER THAT THE MOSTURE CONTINUED HAVE AS PREVIOUSLY SPECIFIC. ALL EARTH MOTHER AND REGION OFFENDORS SHALL BE CONTRICLED ON PREVIOUS WATER FROM REMAINED HAVE DECRAVATED AREAS, ALL EXCESS WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY.

9. DUST CONTROL

THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY FOR THE ALLEMATION OF PREVENTION OF ANY SUST HANSANCE ON OR ABOUT THE STEE CLUSED BY THE CONTRACTOR'S OFFENSION EFFIRE DURANG THE PERFORMANCE OF THE GRACING FROM THE CONTRACTOR THE CONTRACTOR IN WHICH THE CONTRACTOR LEANES THE SITE BY CONTRACTOR SHALL ASSUME ALL LUMBLITY INCLUDING COUNT COST OF CO-DEPENDANTS FOR ALL CLASS RELATED TO DUST OR WHO—BLOWN MATERIALS ATTRIBUTABLE TO ASSUME COST FOR THIS FIELD OF BOOK IS TO BE NOLLEDED IN THE EXCAVATION (TEM AND NO ASOUTHOM).

10. INDEMNITY

THE CONTRACTOR WILL HOLD MARKETS, BOCKMEY AND DETEND THE DIGNEER, THE OWNER AND HIS CONSULTANTS AND EACH OF THEIR OFFICERS AND EMPLOYEES AND ACCINS, FROM MAY AND ALL LUMBLITY CLARS, LOSSES OR DAMACE ANSING OR ALLESED TO HERBIR, BUT NOT INCLUDING THE SIZE RECLIEBLES OF THE DIRECT, THE AND HERT, THE MONTHEET, THE WORNESS AND EMPLOYEES AND EMPLOYEES AND ACENTS.

11. SAFETY

IN ACCORDANCE WITH EXPERILLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE 400K STEE INCLIDING SAFETY OF ALL PERSONS AND PROPERTY DURNO PERSONAMANCE OF THE WORK, THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

THE DUTY OF THE ENGREEPS TO COMDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLIDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR MEAR THE CONSTRUCTION SITE.

12. GUARANTEE

METHER THE FINAL PAYMENT, NOR THE PROMISIONS IN THE CONTRACT, NOR PARTIAL, NOR ENTIRE USE OR OCCUPANCY OF THE PREJICES BY THE OWNER SHALL CONSTITUTE AN ACCEPTANCE OF THE WORK NOT DOME IN ACCORDANCY WITH THE CONTRACT OR RELEVES THE CONTRACTOR OF LIBBUILTY IN RESPECT TO ANY EXPRESS WARRANTES OR RESPONSIBILITY FOR FAULTY MATERIAL OR WORDLANGER.

THE CONTRACTOR SHALL REMEDY ANY DEFECTS IN WORK AND PAY FOR ANY DAMAGE TO OTHER WORK RESILTING THERE FROM WHICH SHALL APPEAR WITHIN A PERSON OF ONE (1) CALENDAR YEAR FROM THE DATE OF FRAL ACCEPTANCE OF THE WORK.

3. TRENCH BACKFILL

ETHER THE OH-SITE MORGANIC SOIL OR APPROVED IMPORTED SOIL MAY BE USED AS TREACH BACKFILL. THE BACKFILL MAIDRIAL SHALL BE MISSILUE CONTINUED PER NESS SPECIFICATIONS AND SHALL BE PARCED IN HERE SO IN HOT MORE THAN SEX ROSES IN HORDERITAL INCOMPACTED LANDS AND BE COMPACTED BY MECHANICAL MEANS TO A MANDAM OF FICE SHACKED TO AT LEAST BOX REACHED HEREOF BACKFILL METHEM, PROVIDED ITS CHARACTED TO AT LEAST BOX REACHED WITH COMPACTION, WATER LETTING ASSOCIATED WITH COMPACTION WATER PROVIDED AND MORTH ADMINISTRATIVE COMPACTION OF THE SOILS ENGINEER. ALL PRESS SHALL BE BEDIED WITH SAME DECIDIONS FROM THE TRENCH BOTTOM TO THE LYC. BROSES ABOVE THE FIFE SAME BELLEWING IS TO BE COMPACTED AS SPECIFED ABOVE FOR SAME MACOULT.

14. EROSION CONTROL

- A. ALL GRADING, ERCISION AND SEDMENT CONTROL AND RELATED WORK UNDERTAKEN ON THIS SITE IS SUBJECT TO ALL TERMS AND CONGRIGHS OF THE COUNTY GRADING ORDINANCE AND MADE A PART HERCEF BY REFERENCE.
- B. THE CONTRACTOR WILL BE IMBLE FOR ANY AND ALL DAMAGES TO ANY PUBLICLY DIMED AND MAINTAINED ROAD CAUSED BY THE AFDRESAID CONTRACTOR'S GRADINE ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLUMBE OF ANY MATERIAL SHELD ON ANY PUBLIC ROAD ON THE HALL ROUTE.
- C. THE EROSON CONTROL MEASURES ARE TO BE OPERABLE DURBNG THE RAINY SEASON, GENERALLY FROM OCTOBER FREST TO ARRI, FFEBRITH, EROSON CONTROL PLANTING IS TO BE COMPLETED BY OCTOBER FREST, NO GRAZIBNG OR TRUTTY TREMCHING SHALL OCCUR BETWEEN OCTOBER FREST AND APRIL FFEBRITH UNLESS AUTHORIZED BY THE LOCAL AURSDICTION.
- D. ALL ERCSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AWEAS ARE STABLIZED AND CHANGES TO THES ERCSION AND SEDMENT CONTROL PLAN SHALL BE MADE TO MEET FRED CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE SOLLS ENGINEER.
- E. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRE THE STE SHALL BE MARTANED SO AS TO MININGE SEDILENT-LADEN RUNGET TO ANY STORM DIVANALE SYSTEM.
- F. ALL EROSION CONTROL FACULTIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH MORROWG DAY DURING THE RAINY SEASON.
- G. WHEN NO LONGER MEDESSARY AND PRIOR TO FINAL ACCEPTANCE OF DEVELOPMENT, SEDMENT BASINS SHALL BE REMOVED OR OTHERWISE DEACTIVATED AS MEDIJRED BY THE LOCAL JURISDICTION.
- H. A CONSTRUCTION ENTRANCE SHALL BE PROMDED AT ANY POINT OF CORESS FROM THE STEE TO ROADMAY.

 A CONSTRUCTION ENTRANCE SHALLD BE COMPOSED OF COARSE DRAIN ROCK (25" TO 3") MINIMAN DAMEETS) AT LEAST BOTH MORES BROCK BY FRYY (20) FEET LONG BY THENTY (20) FEET WIDE UNLESS SHOWN OTHERWISE ON PLAN AND SHALL BE MAINTAINED WITE, THE STEE IS PANED.
- I. ALL ANEAS SPECIFIED FOR HYDROSEEDING SHALL BE NOZZIE PLANTED WITH STABILIZATION MATERIAL CONSISTING OF FIBER, SEED, FERTILIZER AND WATER, LIDED AND APPLIED IN THE FOLLOWING PROPERTICIALS.

FEER, 2000 LBS/ACRE SEED, 200 LBS/ACRE (SEE NOTE 1, BELOW) FERTILIZED (11-8-4), 500 LBS/ACRE WATER, AS REQUIRED FOR APPLICATION

A SED MIX SHALL BE PER CALIFARS STANDARDS.

- K. WATER UTALZED IN THE STABILIZATION MATERIAL SHALL HE OF SUCH CUALITY THAT IT WILL PROMOTIE EDRIBMATION AND STIMULATE GROWTH OF PLANTS. IT SHALL HE FREE OF POLILITANT MATERIALS AND WEED SEED.
- L. INDROSEDING SHALL CONTINU TO THE PROVISIONS OF SECTION 20, EROSION CONTROL AND HEIGHBY PLANTING, OF THE STANDARD SYSTETICATIONS OF THE STATE OF CALFORDER DEPARTMENT OF TRANSPORTATION, AS LAST REVISION.
- M. A DISPERSING ACENT MAY BE ADDED TO THE MYDROSEEDING MATERIAL, PROVIDED THAT THE CONTRACTOR PURENCES SILTMANE EVIDENCE THAT THE ADDITIVE WILL NOT ADVERSELY AFFECT THE PERFORMANCE OF THE SEEDING MICHIGAN
- N. STABILIZATION MATERIALS SHALL BE APPLED AS SOON AS PRACTICABLE AFTER COMPLETION OF GRADING OFFERATIONS AND PRICE TO THE ONSET OF WINTER RAMES, OR AT SUCH OTHER THEE AS DIRECTED BY THE COUNTY DIRECTER. THE MATERIAL SHALL BE APPLED BEFORE PROTALLATION OF OTHER LANGSCAPPHO MATERIALS SUCH AS TREES, SHRUBS AND GROUND CONERS.
- 0. The stabilization material shall be applied within 4-hours aften modic, moded material, not used within 4-hours shall be removed from the site.
- P. THE CONTRACTOR SHALL MARITAIN THE SOIL STABILIZATION MATERIAL AFTER PLACEMENT. THE COUNTY BRONEES MAY REQUIRE SPRAY APPLICATION OF MATER OR OTHER MANIFEARMSE ACTIVITIES TO ASSURE THE STREAMSTON PROCESS. APPLICATION OF WATER SHALL BE ACCOMPLISHED USING MIZZILES THAT PRODUCE A SPRAY THAT DOES NOT CONCENTRATE OR WASH AWAY THE STABILIZATION MATERIALS.

5. CLEANIP

BE CONTRACTOR MAST MANTAIN THE SITE CLEAR, SAFE AND IN USABLE CONDITION, ANY SPILLS OF SOR, ROCK OR CONSTRUCTION MATERIAL MAST BE REMOVED FROM THE SITE BY THE CONTRACTOR DURING CONSTRUCTION AND UPON COMPACTION OF THE PROJECT, COST FOR THIS TIEM OF WORK SMALL BE INCLUDED IN THE EXCAVATION AND COMPACTION ITEM AND NO ADDITIONAL COMPENSATION SMALL BE AUTOMET.

NOTE:
THESE NOTES ARE INTENDED TO BE USED AS A GENERAL QUIDELINE.
THE REFERENCED SOULS REPORT FOR THE PROJECT AND GOVERNING
ACENCY GRADING ORGINANCE SHALL SUPERSEDE THESE MOTES. THE
SOULS DESIDERE MAY MAKE ON-SITE RECOMMENDATIONS DURING
GRADING OPERATIONS.

Included

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Erosion Control (ESC) Checklist

1		"Contacts" Block
2		"Project" Block
3		"Estimated Project Schedule" Block
4		"Related Permits" Block
5		"Notes" Block
6		The EC plan shall be prepared by a qualified professional as indicated in section 16.12.030(19) and 16.12.060 (d) of the Monterey County Code.
7		It shall be neat and legible and shall be drawn on a 24" X 36" sheet with the scale and contour interval specified.
8		Where a geological or geotechnical report was prepared for the project, a copy of the report shall be provided.
9		The entire parcel shall be identified on the plan. If only a portion of the site will be developed, the entire parcel may be shown as a detail, with the area to be developed, cleared, and/or graded drawn to the appropriate scale.
10		Date plan initially prepared and last revised.
11		Vicinity map showing the site in relation to the surrounding area.
12		Location of the access from the nearest public road. Indicate if the access is gated and provide information for site access.
13		Existing and proposed contours shall be legible, field verified, and prepared to appropriate scale. For roads and driveways, existing and proposed contours extend 100 feet from the edge of the proposed cut and/or fill.
14		Legend, north arrow, and scale accuracy maintained when resizing the drawing. Symbols shall be uniquely and readily distinct so there is no confusion with other symbols. e.g. blue line streams = USGS symbol for streams.
15		Location and boundaries of soil types. Provide data source or site specific soil report.
16		Location of any critical areas of erosion and slope instability such as gullies, landslides, etc. within or potentially affecting the area disturbed by the project.
17		Indicate location of any natural or man-made features on-site that may be affected by proposed activity, including but not limited to: streams, drainage channels, lakes, reservoirs, ponds, roads, septic systems, roads, etc.
18		Location, width, direction of flow, of any/all watercourses (tops and toes of banks) and drainages. Provide note with name and distance of the nearest blue line stream(s) to the project site.
19		Clearly identify any/all trees and vegetation types that are to be removed and any/all trees and vegetation types to remain.
20		Location of existing and proposed buildings, structures, reservoirs, water/storage tanks, on-site sewage disposal facilities, wells, etc., easements, or underground utilities on the property where the work is to be performed.
21		Locations of the sections used to determine the slope reported, average slope calculation, and any cross sections produced.
22		Location, description, and details of any/all irrigation systems.
23		If agricultural, include layout including location, spacing and direction of rows and terraces and location of access roads.
24		Location and details of any/all surface drainage systems and facilities, walls, cribbing, or other erosion protection devices to be constructed in connection with, or as a part of, the proposed work.
25_		Location, specifications, elevations, dimensions, and construction detail of all erosion/sediment measures proposed.
26		Location of vegetative erosion control measures including proposed planting areas and irrigation (if applicable).

MRSWMP Meeting Notice & Agenda - 8/1/14	(Example from County of Monterey)
Indicate location of selected BMPs:	

Attachment 2c

	Included	N/A		Included	N/A	
27			Covered material storage area			Construction entrance
28			Covered waste collection area			Vehicle parking area
29			Covered stockpile area			Vehicle maintenance area
30			Concrete/mortar/stucco cleanout			Vehicle refueling area
31			Paint and solvent cleanout area			Portable sanitation facilities with secondary containment
32			Staging areas			
	PRE	PARI	ED BY:			DATE:
	REV	IEWE	ED BY:			DATE:

		CONTACTS	TS		
	NAME	PHONE	ADDRESS	EMAIL ADDRESS	LICENSE #
OWNER					
APPLICANT					
CONTRACTOR					
GEOTECHNICAL ENGINEER					
EC PLAN PREPARER					
PERSON RESPONSIBLE FOR EC IMPLEMENTATION					
		RELATED PERMITS	RMITS	:	
AGENCY	PERMIT # OR N/A		STATEMENT	NT	
California Department of Fish and Wildlife (1600)		This project does N natural flow of any the bed, channel, o debris, waste, or ol where it may pass	This project does NOT include an activity that will substantially divert or obstruct the natural flow of any river, stream or lake substantially change or use any material from the bed, channel, or bank of, any river, stream, or lake; or deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it may pass into any river, stream, or lake.	vill substantially divert or of Itially change or use any m or lake; or deposit or dispo Ibled, flaked, or ground pa	bstruct the naterial from ose of wement
US Army Corp of Engineers (404)		This project does NOT is water of the United State accomplishment of any consists of such waters	This project does NOT include construction of any structure in or over any navigable water of the United States; excavation of dredge, or deposition of, fill material; the accomplishment of any other work affecting the course, location, condition, or can active of such waters.	any structure in or over any e, or deposition of, fill mate course, location, conditior	y navigable erial; the n, or
Central Coast Regional Water Quality Control Board (401)		This project does N States.	This project does NOT result in a discharge of pollutants into waters of the United States.	ollutants into waters of the	e United
California Water Quality Control Board (CGP)		This project does NOT disturb o disturbs less than one acre but it total disturbs one or more acres	This project does NOT disturb one or more acres of soil nor is it a project that disturbs less than one acre but is part of a larger common plan of development that in total disturbs one or more acres	es of soil nor is it a project er common plan of develop	that oment that in
				0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	

ESTIMA	ESTIMATED PROJECT SCHEDULE	EDULE	
	START	GNE	۵
INSTALL OF TEMP EC MEASURES			
CLEARING/GRUBBING			
GRADING			
CONSTRUCTION			
INSTALL OF PERM EC DEVICES (IF APPLICABLE)		:	
PLANTING			
WINTERIZING			
All or part of the construction of this project is expected to occur during the winter season (October 15th through April 15th.)	n of this project is winter season (October	YES	ON

PROJECT PROPERTY INFO	0
APN	
ADDRESS	
CUT (cubic yards)	
FILL (cubic yards)	
TOTAL CY:	
AREA OF DISTURBANCE (sqft)	
IMPERVIOUS AREA (IA):	(IA):
NEW / ADDED / REPLACED IA	
PRE-PROJECT IA	
POST PROJECT IA	
TOTAL	

*ONLY APPLICABLE TO PROJECTS IN THE URBANIZED AREA, SUBJECT TO NPDES REGULATIONS

EROSION CONTROL STANDARD NOTES

(MCC 16.08.300 C.1)

Grading shall begin within 30 days of vegetation removal or that area shall be planted under the provisions of Section 16.08.340 to control erosion.

(MCC 16.08.300 C.2)

No vegetation removal or grading will be allowed which will result in siltation of water courses or uncontrollable erosion.

(MCC 16.08.340)

Dust from grading operations must be controlled. The owner or contractor may be required to keep adequate equipment on the grading site to prevent dust problems.

(MCC 16,12,070)

Runoff from activities subject to a development permit shall be properly controlled to prevent erosion. The following measures shall be used for runoff control, and shall be adequate to control runoff from a ten (10) year storm:

- a. On soils having high permeability (more than two inches/hour), all runoff in excess of predevelopment levels shall be retained on the site. This may be accomplished through the use of infiltration basins, percolation pits or trenches, or other suitable means. This requirement may be waived where the Director of Building Inspection upon recommendation of the Health Department determines that high groundwater, slope stability problems, or other conditions, would inhibit or be aggravated by onsite retention, or where retention will provide no benefits for ground water recharge or erosion control.
- b. On projects where onsite percolation is not feasible, all runoff must be detained or dispersed over non-erodible vegetated surfaces so that the runoff rate does not exceed the predevelopment level. Onsite detention may be required where excessive runoff would contribute to downstream erosion or flooding. Any policies and regulations for any drainage zones where the project is located will also apply.
- c. Any concentrated runoff which cannot be effectively detained or dispersed without causing erosion, shall be carried in non-erodible channels or conduits to the nearest drainage course designated for such purpose or to onsite percolation devices. Where water will be discharged to natural ground or channels, appropriate energy dissipators shall be installed to prevent erosion at the point of discharge.
- d. Runoff from disturbed areas shall be detained or filtered by berms, vegetated filter strips, catch basins, or other means as necessary to prevent the escape of sediment from the disturbed area.
- e. No earth or organic material shall be deposited or placed where it may be directly carried into a stream, marsh, slough, lagoon, or body of standing water.

(MCC 16.12.080)

Land clearing shall be kept to a minimum. Vegetation removal shall be limited to that amount necessary for building, access, and construction as shown on the approved erosion control plan. The following provisions shall apply:

- a. No land clearing shall take place prior to approval of the erosion control plan. Vegetation removal between October 15 and April 15 shall not precede subsequent grading or construction activities by more than fifteen (15) days. During this period, ESC measures shall be in place.
- b. All disturbed surfaces shall be prepared and maintained to control erosion and to establish native or naturalized vegetative growth compatible with the area. This control shall consist of:
- 1. Effect temporary planting such as rye grass, some other fast-germination seed, and mulching with straw and/or other slope stabilization material.
- Permanent planting of native or naturalized drought resistant species of shrubs, trees, or other vegetation, pursuant to the County's Landscape Criteria, when the project is completed.
- 3. Mulching, fertilizing, watering or other methods may be required to establish new vegetation, on slopes less than 20%, topsoil should be stockpiled and reapplied.

(MCC 16.12.100)

It shall be the responsibility of the owner and the permittee to ensure that erosion does not occur from an activity during or after project construction. Additional measures, beyond those specified, may be required as deemed necessary to control accelerated erosion.

INSPECTION REQUIREMENTS

Prior to commencement of any land disturbance during the rainy season (October 15-April 15), the owner/applicant shall schedule an inspection Services to ensure all necessary sediment controls are in place and the project is compliant with Monterey County stormwater regulations.

During construction, The applicant shall schedule an inspection to review the maintenance and effectiveness of BMPs installed, as well as, to verify that pollutants of concern are not discharged into receiving water bodies.

Prior to final inspection, the owner/applicant shall schedule an inspection Services to ensure all disturbed areas have been stabilized and all temporary erosion and sediment control measures that are no longer needed have been removed.

Draft Project Inspection Prioritization Table

Туре	BMP implementation during construction, as applicable	ESC or Pollution Prevention Plan, as	Non-ASBS Inspections: Up to 3, as applicable	ASBS Inspections: weekly during rainy season, as applicable
Electrical / Water Heater		No	No	No
Plumbing		No	No	No
Reroof / building maintenance		No	No	No
Tenant improvements (interior)		No	No	No
City-Permitted Construction - "Moving Dirt" or "Over Water"				
Grading, grubbing, excavation, cut/fill, or similar	Yes	Yes	Yes	Yes
Parking lot/area/spaces, road, or similar: new, replaced, addition/expansion	Yes	Yes	Yes	Yes
Building or structure: new, replaced, addition/expansion	Yes	Yes	Yes	Yes
Exterior over-water project: wharves, bridges, or similar	Yes	Yes	Yes	Yes