
California Regional Water Quality Control Board, San Diego Region

January 26, 2016

NOTICE OF VIOLATION
No. R9-2016-0036

Gary Levitt
Urban Villages San Marcos
3525 Del Mar Heights Road #246
San Diego, California 92130

URBAN VILLAGES SAN MARCOS

University District Student Housing
Construction Project
PIN No. SM-741872

Violations of

**Order No. 2009-0009-DWQ,
Construction General Permit**

URBAN VILLAGES SAN MARCOS is hereby notified that the California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) reserves the right to take any enforcement action authorized by law for the violations described herein.

URBAN VILLAGES SAN MARCOS is in violation of State Water Resources Control Board (State Water Board) Order No. 2009-0009-DWQ, NPDES No. CAS000002, *National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities* (Permit).

A. Summary of Violations

Construction General Permit Violations

1. Failure to Comply with Discharge Prohibitions for Construction Activities:

- a. Pursuant to Provision III.B of State Water Board Order No. 2009-0009-DWQ:**
All discharges are prohibited except for the storm water and non-storm water discharges specifically authorized by this Permit or another NPDES permit.

- b. Observation:** On January 7, 2016, the San Diego Water Board inspected the University District Student Housing construction site (WDID 937C355892). Urban Villages San Marcos is the Legally Responsible Person (LRP) enrolled under the Permit for the site. The San Diego Water Board inspectors observed sediment-laden storm water discharged from the site without implementation of adequate best management practices (BMPs). See attached January 7, 2016 Facility Inspection Report Photo 10.

2. Failure to Comply with Effluent Limitations for Construction Activities:

- a. Pursuant to Provision V.A.2 of State Water Board Order No. 2009-0009-DWQ:** Dischargers shall minimize or prevent pollutants in storm water discharges and authorized non-storm water discharges through the use of controls, structures, and management practices that achieve Best Available Technology Economically Achievable (BAT) for toxic and non-conventional pollutants and Best Conventional Pollutant Control Technology (BCT) for conventional pollutants.
- b. Pursuant to Provision X and Section A.1.b of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Dischargers shall minimize or prevent pollutants in storm water and authorized non-storm water discharges through the use of controls, structures, and management practices that achieve BAT for toxic and non-conventional pollutants and BCT for conventional pollutants.
- c. Observation:** During the January 7, 2016 inspection, the San Diego Water Board inspectors observed inadequate erosion controls and run-on and runoff controls required by the Permit, which directly lead to erosion and sedimentation that ultimately resulted in the discharge of sediment and sediment-laden storm water runoff from the site. The discharge was a result of the implementation of controls, structures, and BMPs that did not achieve BCT. See attached January 7, 2016 Facility Inspection Report Findings 1 through 8 and Photos 7 through 10.

3. Failure to Implement Good Site Management “Housekeeping” BMPs for Construction Materials and Waste Management:

- a. Pursuant to Provision X and Section B.1.a of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to cover and berm loose stockpiled construction materials that are not actively being used (i.e. soil, spoils, aggregate, fly-ash, stucco, hydrated lime, etc.).
- b. Pursuant to Provision X and Section B.2.f of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers are required to contain and securely protect stockpiled waste material from wind and rain at all times unless actively being used.

c. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed stockpiles without adequate berm or containment. See attached January 7, 2016 Facility Inspection Report Finding 5 and Photo 5.

4. Failure to Implement Good Site Management “Housekeeping” BMPs for Vehicle Storage and Maintenance:

a. Pursuant to Provision X and Section B.3.a of Attachment D of State Water Board Order No. 2009-0009-DWQ: Risk Level 2 dischargers are required to prevent oil, grease, or fuel to leak in to the ground, storm drains or surface waters.

b. Pursuant to Provision X and Section B.3.b of Attachment D of State Water Board Order No. 2009-0009-DWQ: Risk Level 2 dischargers are required to place all equipment or vehicles, which are to be fueled, maintained and stored in a designated area fitted with appropriate BMPs.

c. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed several construction vehicles and equipment without appropriate BMPs to prevent oil, grease, or fuel to leak in to the ground, storm drains or surface waters. See attached January 7, 2016 Facility Inspection Report Finding 6 and Photos 11 and 12.

5. Failure to Implement Adequate Erosion Controls for Inactive Areas:

a. Pursuant to Provision X and Section D.2 of Attachment D of State Water Board Order No. 2009-0009-DWQ: Risk Level 2 dischargers shall provide effective soil cover for inactive areas and all finished slopes, open space, utility backfill, and completed lots.

b. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed several areas on the site that appeared inactive, or could have been scheduled to be inactive, without effective soil cover or other BMPs to prevent erosion. Evidence of erosion and sediment transport due to inadequate or ineffective erosion control measures for inactive areas was observed throughout the site during the inspection. See attached January 7, 2016 Facility Inspection Report Finding 1 and Photos 1 through 4 and 7.

6. Failure to Implement Adequate Erosion Controls for Active Areas:

a. Pursuant to Provision X and Section E.3 of Attachment D of State Water Board Order No. 2009-0009-DWQ: Risk Level 2 dischargers shall implement appropriate erosion control BMPs (runoff control and soil stabilization) in conjunction with sediment control BMPs for areas under active construction.

b. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed several areas on the site that may have been considered active

without evidence of runoff control of soil stabilization BMPs implemented to prevent erosion prior to or during a storm event that began January 4, 2016 and was expected to continue to January 8, 2016. Evidence of erosion and sediment transport due to inadequate or ineffective erosion control measures for active areas was observed throughout the site during the inspection. Documentation for the site indicates that no erosion control BMPs were planned or prepared for implementation on active areas. See attached January 7, 2016 Facility Inspection Report Findings 2 and 7, Photos 3 through 7, and Attachment 4.

7. Failure to Implement Adequate Linear Sediment Controls for Exposed Slopes:

- a. **Pursuant to Provision X and Section E.4 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall apply linear sediment controls along the toe of the slope, face of the slope, and at the grade breaks of exposed slopes to comply with sheet flow lengths in accordance with Table 1 (i.e. every 20 feet for 0-25% slopes, every 15 feet for 25-50% slopes, and every 10 feet for slopes over 50%).
- b. **Observation:** During the January 7, 2016 inspection, the San Diego Water Board inspectors observed slopes throughout the site without linear sediment controls along the toe, face and/or grade breaks of exposed slopes. See attached January 7, 2016 Facility Inspection Report Finding 3 and Photos 1, 2, and 6.

8. Failure to Implement Adequate Run-on and Runoff Controls:

- a. **Pursuant to Provision X and Section F of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall manage all run-on, all runoff within the site and all runoff that discharges from the site. Run-on from off site shall be directed away from all disturbed areas or shall collectively be in compliance with the effluent limitations of the Permit.
- b. **Observation:** During the January 7, 2016 inspection, the San Diego Water Board inspectors observed a lack of effective controls for runoff within the site, and a lack of effective controls for runoff from the site. See attached January 7, 2016 Facility Inspection Report Finding 4 and Photos 3 through 10.

9. Failure to Identify and Record BMPs That Need Maintenance to Operate Effectively, or That Have Failed, or Could Fail to Operate as Intended:

- a. **Pursuant to Provision X and Section G.2 of Attachment D of State Water Board Order No. 2009-0009-DWQ:** Risk Level 2 dischargers shall perform weekly inspections and observations, and at least once each 24-hour period during extended storm events, to identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended.

b. Observation: During the January 7, 2016 inspection, the San Diego Water Board inspectors observed several BMPs throughout the site that were not implemented, required maintenance to operate effectively, that failed, or could fail to operate as intended. Documentation for the site indicates that the Qualified SWPPP Practitioner (QSP) conducting weekly inspections of BMPs failed to identify BMPs that were not implemented, required maintenance, failed, or failed to operate as intended. See attached January 7, 2016 Facility Inspection Report Finding 7 and Attachment 4.

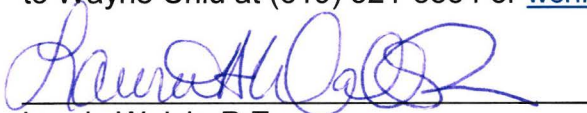
B. Summary of Potential Enforcement Options

These violations may subject you to additional enforcement by the San Diego Water Board or State Water Resources Control Board, including a potential civil liability assessment of \$10,000 per day of violation (Water Code section 13385) and/or any of the following enforcement actions:

Other Potential Enforcement Options	Applicable Water Code Section
Technical or Investigative Order	Sections 13267 or 13383
Cleanup and Abatement Order	Section 13304
Cease and Desist Order	Sections 13301-13303
Time Schedule Order	Sections 13300, 13308

In addition, the San Diego Water Board may consider revising or rescinding applicable waste discharge requirements, if any, referring the matter to other resource agencies, referring the matter to the State Attorney General for injunctive relief, and referral to the municipal or District Attorney for criminal prosecution.

In the subject line of any response, please include the information located in the heading of this letter: "in reply refer to." Questions pertaining to this Notice of Violation should be directed to Wayne Chiu at (619) 521-3354 or wchiu@waterboards.ca.gov.



Laurie Walsh, P.E.
Senior Water Resource Control Engineer
Storm Water Management

LAW:wc

Attachments: Facility Inspection Report dated January 7, 2016

Tech Staff Info & Use	
WDID	937C355892
Place ID	SM-741872
Inspection ID	2028091
Violation ID	859538, 859539
Enforcement ID	422354

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - SAN DIEGO REGION
WATERSHED PROTECTION PROGRAM**

FACILITY INSPECTION REPORT

FACILITY: University District Student Housing **INSPECTION DATE/TIME:** 1/07/2016; 1:30 pm

WDID/FILE NO.: 937C355892

REPRESENTATIVE(S) PRESENT DURING INSPECTION:

NAME: <u>Wayne Chiu</u>	AFFILIATION: <u>San Diego Water Board</u>
NAME: <u>Sandy Khounphet</u>	AFFILIATION: <u>San Diego Water Board</u>
NAME: <u>Mike Asbell</u>	AFFILIATION: <u>Asbell Development</u>
NAME: <u>Kelly Grant</u>	AFFILIATION: <u>Summit Erosion Control</u>

Urban Villages San Marcos
NAME OF OWNER, AGENCY OR PARTY RESPONSIBLE FOR DISCHARGE

Same as Owner
FACILITY OR DEVELOPER NAME (if different from owner)

3525 Del Mar Heights Rd. #246
San Diego, CA 92130
OWNER MAILING ADDRESS

166-256 E Barham Rd
San Marcos, CA 92078
FACILITY ADDRESS

Gary Levitt, 858-361-8555
OWNER CONTACT NAME AND PHONE #

Same as Owner Contact
FACILITY OR DEVELOPER CONTACT NAME AND PHONE #

APPLICABLE WATER QUALITY LICENSING REQUIREMENTS:

- | | |
|---|---|
| <input type="checkbox"/> MS4 URBAN RUNOFF REQUIREMENTS | <input type="checkbox"/> GENERAL OR INDIVIDUAL WASTE DISCHARGE REQUIREMENTS OR NPDES |
| <input checked="" type="checkbox"/> CONSTRUCTION GENERAL PERMIT | <input type="checkbox"/> GENERAL OR INDIVIDUAL WAIVER OF WASTE DISCHARGE REQUIREMENTS |
| <input type="checkbox"/> CALTRANS GENERAL PERMIT | <input type="checkbox"/> SECTION 401 WATER QUALITY CERTIFICATION |
| <input type="checkbox"/> INDUSTRIAL GENERAL PERMIT | <input type="checkbox"/> CWC SECTION 13264 |

INSPECTION TYPE (Check One):

- "A" TYPE COMPLIANCE--COMPREHENSIVE INSPECTION IN WHICH SAMPLES ARE TAKEN. (EPA TYPE S)
- "B" TYPE COMPLIANCE--A ROUTINE NONSAMPLING INSPECTION. (EPA TYPE C)
- NONCOMPLIANCE FOLLOW-UP--INSPECTION MADE TO VERIFY CORRECTION OF A PREVIOUSLY IDENTIFIED VIOLATION.
- ENFORCEMENT FOLLOW-UP--INSPECTION MADE TO VERIFY THAT CONDITIONS OF AN ENFORCEMENT ACTION ARE BEING MET.
- COMPLAINT--INSPECTION MADE IN RESPONSE TO A COMPLAINT.
- PRE-REQUIREMENT--INSPECTION MADE TO GATHER INFO. RELATIVE TO PREPARING, MODIFYING, OR RESCINDING REQUIREMENTS.
- NO EXPOSURE CERTIFICATION (NEC) - VERIFICATION THAT THERE IS NO EXPOSURE OF INDUSTRIAL ACTIVITIES TO STORM WATER.
- NOTICE OF TERMINATION REQUEST FOR INDUSTRIAL FACILITIES OR CONSTRUCTION SITES - VERIFICATION THAT THE FACILITY OR CONSTRUCTION SITE IS NOT SUBJECT TO PERMIT REQUIREMENTS.
- COMPLIANCE ASSISTANCE INSPECTION - OUTREACH INSPECTION DUE TO DISCHARGER'S REQUEST FOR COMPLIANCE ASSISTANCE.

INSPECTION FINDINGS:

Y WERE VIOLATIONS NOTED DURING THIS INSPECTION? (YES/NO/PENDING SAMPLE RESULTS)

Facility: University District Student Housing
Inspection Date: 1/7/2016

I. COMPLIANCE HISTORY / PURPOSE OF INSPECTION

On October 6, 2015, the San Diego Water Board received a complaint from a member of the public about “mud all over the road” originating from a construction site adjacent to Carmel Street in the City of San Marcos. The San Diego Water Board requested the City of San Marcos to investigate the complaint. Photos of the site dated October, 6, 2015 showed the entrance to a construction site that had inadequate perimeter controls, tracking controls, and erosion controls for what appeared to be inactive areas (see photo in Attachment 1). A review of the Storm Water Multiple Application & Report Tracking System (SMARTS) identified the University District Student Housing construction site (WDID 9 37C355892) as the project matching the location described in the complaint, which is subject to the requirements of Order No. 2009-0009-DWQ, the Statewide Construction General Storm Water Permit (CGP). SMARTS indicates that the University District Student Housing construction site has been identified as Risk Level 2, disturbing 17.4 acres; and, the owner and Legally Responsible Person (LRP) of the project is Urban Villages San Marcos.

On October 20, 2015, Wayne Chiu of the San Diego Water Board issued a staff enforcement letter (via email) to Mr. Gary Levitt, the LRP contact listed in SMARTS, about the BMP implementation deficiencies (see Attachment 1), with a request for additional information. On behalf of the LRP, Mr. Christian Ryan, Senior Project Manager with Watkins Landmark Construction, provided the requested information on October 12, 2015 with photos that showed the implementation of perimeter controls and tracking controls and evidence that the areas that appeared to be inactive had recently been disturbed (see Attachment 2). The response did not indicate whether erosion control BMPs were planned to be implemented for the areas shown in the photos.

On, January 7, 2016, following multiple days of precipitation (January 4 through 6, 2016), that was predicted to continue (January 7 and 8), Wayne Chiu and Sandy Khounphet of the San Diego Water Board conducted an unscheduled inspection of the University District Student Housing construction site for compliance with Risk Level 2 requirements in Attachment D to the CGP. There was rain during the inspection. San Diego Water Board inspectors met with Mr. Mike Asbell of Absell Development and Kelly Grant of Summit Erosion Control. Mr. Asbell indicated his firm was responsible for overseeing the implementation of the Storm Water Pollution Prevention Plan (SWPPP) for the site. Mr. Grant is the Qualified SWPPP Practitioner (QSP) conducting weekly BMP inspections for the site. The San Diego Water Board inspectors informed the site representatives of the deficiencies observed on the site, which are summarized below.

II. FINDINGS

1. Risk Level 2 construction sites are required to provide effective soil cover for inactive areas (areas of construction activity that have not been disturbed and are not scheduled to be re-disturbed for at least 14 days) and all finished slopes, open space, utility backfill, and completed lots. San Diego Water Board inspectors observed several areas that appeared to be inactive or could be scheduled to be inactive per the EC-1 Scheduling erosion control BMP included

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Inspection Date: 1/7/2016

in the SWPPP (see Attachment 3). San Diego Water Board inspectors observed several slopes that appeared to be inactive, or could be scheduled to be inactive, with evidence of erosion and sediment transport (see Photos 1 through 4). Mr. Asbell confirmed that several slopes with evidence of rilling and erosion had not been worked on for several weeks.

2. Risk Level 2 construction sites are required to implement appropriate erosion control BMPs (runoff control and soil stabilization) in conjunction with sediment control BMPs for areas under active construction. San Diego Water Board inspectors did not observe any evidence of appropriate erosion control BMPs that would stabilize disturbed and exposed soil areas that were potentially active (i.e. areas that had clear evidence of recent soil disturbance activities, or areas that appeared to be inactive that the site might claim to be active) to prevent erosion during the predicted storm event that had resulted in significant precipitation on the previous three days (i.e. January 4-6) and expected to continue for the next two days (January 7 and 8) (see Photos 3 and 4).
3. Risk Level 2 construction sites are required to apply linear sediment controls along the toe of the slope, face of the slope, and at the grade breaks of exposed slopes to comply with sheet flow lengths given in Table 1 of Attachment D to the CGP (i.e. every 20 feet for 0-25% slopes, every 15 feet for 25-50% slopes, and every 10 feet for slopes over 50%). San Diego Water Board inspectors did not observe any slopes within the site with linear sediment controls on the face of the slopes, or appropriate linear controls at the grade breaks of exposed slopes (see Photos 1 and 2).
4. Risk Level 2 construction sites are required to effectively manage all run-on, all runoff within the site and all runoff that discharges from the site. Risk Level 2 construction sites must direct run-on from off site away from all disturbed areas or the run-on that is discharged from the site must collectively be in compliance with the effluent limitations of the CGP (see Finding 8). San Diego Water Board inspectors observed inadequate implementation of controls to effectively manage all runoff within the site (Photos 1 through 7), and all runoff that discharges from the site (Photos 8 through 10).
5. Risk Level 2 construction sites are required to cover and berm loose stockpiled construction materials unless actively being used. San Diego Water Board inspectors observed at least one stockpile of loose construction material with inadequate cover and berm (see Photo 5).
6. Risk Level 2 construction sites are required to prevent oil, grease, or fuel to leak in to the ground, storm drains, or surface waters. San Diego Water Board inspectors observe several construction vehicles without BMPs (i.e. drip pans) to prevent oil, grease, or fuel to leak in to the ground (see Photos 11 and 12).

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Inspection Date: 1/7/2016

7. Risk Level 2 construction sites are required to perform weekly inspections and observations, and at least once each 24-hour period during extended storm events, to identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended. BMP inspection reports from December 18 and 28, 2015 and January 4, 6, 7, 8, and 14, and Rain Event Action Plans (REAPs) from December 21 and 28, 2015 and January 4, 2016 were provided by the LRP (see Attachment 4). The December 18, 2015 BMP inspection report indicated that stockpiles and slopes in borrow lot needed to be sprayed and the December 21, 2015 REAP indicated that the rills on the slopes on the borrow lot needed to be repaired and stabilized. Subsequent BMP inspection reports and REAPs repeated the deficiencies. However, the QSP did not identify and record BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended as required for a Risk Level 2 site (i.e. linear sediment controls on slopes, effective soil cover for inactive areas, runoff controls and soil stabilization for active areas) until after the San Diego Water Board inspection on January 7, 2016.
8. Risk Level 2 construction sites are required to comply with a narrative effluent standard, which requires the discharger to minimize or prevent pollutants in storm water discharges and authorized non-storm water discharges through the use of controls, structures, and management practices that achieve Best Available Technology Economically Achievable (BAT) for toxic and non-conventional pollutants and Best Conventional Pollutant Control Technology (BCT) for conventional pollutants. Based on Findings 1 through 7, San Diego Water Board inspectors observed that the discharger failed to minimize or prevent pollutants in storm water discharges through the use of controls, structures, and management practices that achieve BCT for conventional pollutants (i.e. sediment and turbidity).

III. COMMENTS AND RECOMMENDATIONS

Comments

1. There is evidence that sediment in storm water discharges from the site were not minimized or prevented through the implementation of controls, structures, and management practices that achieve BCT (see Findings 4 and 8), in violation of Section A.1.b of Attachment D to the CGP.
2. There is evidence that good site management “housekeeping” BMPs for stockpiles were not being adequately implemented (See Finding 5), in violation of Sections B.1.b and/or B.2.f of Attachment D to the CGP.
3. There is evidence that good site management “housekeeping” BMPs for vehicle storage and maintenance were not being adequately implemented (See Finding 6), in violation of Sections B.3.a and B.3.b of Attachment D to the CGP.

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 Inspection Date: 1/7/2016

4. There is evidence that effective soil cover was not adequately implemented for several slopes and areas throughout the site that appeared to be inactive or could be scheduled to be inactive (See Finding 1 and 7), in violation of Section D.2 of Attachment D to the CGP.
5. There is evidence that appropriate erosion control BMPs (runoff controls and soil stabilization) were not implemented in conjunction with sediment control BMPs for areas under active construction in preparation for the predicted storm event that began January 4, 2016 (see Finding 2), in violation of Section E.3 of Attachment D to the CGP. The QSP failed to recommend implementation of erosion control BMPs in BMP inspection reports between December 18, 2015 and January 6, 2016 (see Finding 7).
6. There is evidence that linear sediment controls were not adequately implemented for slopes throughout the site in preparation for the predicted storm event that began on January 4, 2016 (See Finding 3), in violation of Section E.4 of Attachment D to the CGP.
7. There is evidence that all run-on, all runoff within the site, and all runoff that discharges from the site were not effectively managed (see Finding 4), in violation of Section F of Attachment D to the CGP.
8. There is evidence that the QSP failed to identify and record erosion control, linear sediment control, and run-on and runoff control BMPs that need maintenance to operate effectively, that have failed, or that could fail to operate as intended (see Finding 7), in violation of Section G.2 of Attachment D to the CGP.

Recommendations

1. Issue a Notice of Violation for unauthorized storm water discharges from the site and failure to implement Risk Level 2 requirements of the CGP.
2. Refer the site to the Compliance Assurance Unit to determine whether or not issuing formal enforcement action may be appropriate.

IV. SIGNATURE SECTION

Wayne Chiu
 STAFF INSPECTOR

Wayne Chiu
 SIGNATURE
Laurie Walsh
 SIGNATURE

1/7/2016
 INSPECTION DATE

Laurie Walsh
 REVIEWED BY SUPERVISOR

1-26-16
 DATE

SMARTS:

Tech Staff Info & Use	
WDID	937C355892
Place ID	SM-741872
Inspection ID	2028091
Violation ID	859538, 859539

Facility: University District Student Housing
Inspection Date: 1/7/2016



Photo 1

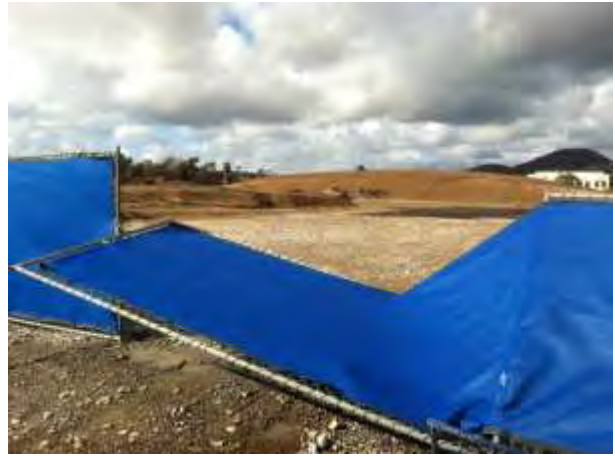


Photo 2



Photo 3



Photo 4

Photos 1 through 4 show examples of areas throughout the site that lacked effective soil cover for areas that are inactive or appear to be inactive. Photos 1 and 2 show slopes with evidence of significant rilling and sediment transport, which is a clear indication that erosion control BMPs that provide effective soil cover were not implemented or not effective. Photos 3 and 4 are areas that the site representatives claimed were active due to vehicle traffic, but could have been scheduled to be inactive with access reduced to prevent disturbance, especially prior to a series of storm events that had been predicted for at least a week in advance. If the areas in Photos 3 and 4 are active, adequate runoff controls and soil stabilization has not been implemented in preparation for the predicted storm events.

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Photo 5



Photo 6



Photo 7

Photos 5 through 7 show examples of areas where there was inadequate implementation of controls to manage runoff within the site. Photos 5 and 6 show areas where runoff through the site has resulted in significant amounts of sediment being transport through the site from areas without erosion control BMPs. Photo 7 shows sediment-laden runoff from the areas shown in Photos 3 and 4 as a result of inadequate erosion controls and runoff controls.

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Photo 8



Photo 9



Photo 10

Photos 8 through 10 show where there was inadequate implementation of controls to manage runoff discharge from the site. Photo 8 shows a storm drain inlet at the beginning of the inspection and significant amounts of sediment around the inlet. Photo 9 shows that the filter fabric placed inside the inlet has a large hole exposing the drain pipe. Photo 10 shows the same storm drain inlet at the end of the inspection after raining for about 20 minutes. Runoff shown in Photo 7 drains to this storm drain inlet.

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Photo 11



Photo 12

Photos 11 and 12 show multiple vehicles observed without adequate implementation of good housekeeping measures required for Risk Level 2 construction sites. Photos 11 and 12 show construction vehicles that were not being used the day of the inspection without drip pans or other measures that would prevent oil, grease, or fuel to leak into the ground.

Attachment 1

to

January 7, 2016

Facility Inspection Report

for

University District Student Housing Construction Site

Chiu, Wayne@Waterboards

From: Chiu, Wayne@Waterboards
Sent: Friday, October 09, 2015 11:58 AM
To: 'Gary Levitt'
Cc: 'Michael McDonald'; Reed Thornberry (rthornberry@san-marcos.net); Walsh, Laurie@Waterboards; Clemente, Chiara@Waterboards
Subject: WDID 937C355892 (Urban Villages San Marcos): Unauthorized Sediment Discharge and Inadequate BMPs (SM-741872)
Attachments: 20151006_160225.jpg

Mr. Levitt:

The California Regional Water Control Board, San Diego Region (San Diego Water Board) received a complaint from the public about "mud all over the road" discharged from the Urban Village San Marcos construction site to Carmel Street in the City of San Marcos (City). According to the Storm Water Multiple Application and Report Tracking System (SMARTS) database, you are the Legally Responsible Person for the Urban Village San Marcos construction site.

We contacted the City's storm water manager and had his staff inspect the site. The City sent us a couple of photos of the entrances to the site. Just looking at one photo (see attached) there is evidence of the sediment discharged from the site caused by offsite tracking. The photo also showed evidence that there was a lack of several best management practices (BMPs) that are required to be implemented in accordance with the requirements of the Statewide Construction General Storm Water Permit, Order No. 2009-0009-DWQ (CGP). From the photos I was able to identify at least three violations (inadequate perimeter sediment control BMPs, inadequate tracking control BMPs, inadequate erosion control BMPs for inactive areas) for a Risk Level 1 construction site. However, this site is identified in SMARTS as a Risk Level 2 construction site. The photo also shows no evidence of erosion control BMPs for active areas and a failure to limit traffic to entrances and exits that prevent offsite tracking of sediment, which are requirements for Risk Level 2 construction sites. Thus, from this one photo I can identify 5 violations of the CGP, in addition to the unauthorized discharge from sediment from the site which is a 6th violation.

Each of these violations is subject to up to \$10,000 per day per violation.

Please send me the following information and documentation, or a date by which you can provide the information, by COB Monday, October 12, 2015:

1. Copies of the weekly inspection reports from the beginning of July to the most recent available.
2. Copies of the Rain Event Action Plans from the beginning of July to the most recent available.
3. Copies of the pre-, during, and post-rain event inspection reports from the beginning of July to the most recent available.
4. Copies of the water quality monitoring records and reports from the beginning of July to the most recent available.
5. A description of the BMPs, shown on a map and a narrative description of those that cannot be shown on the map, that are currently being implemented on the site.
6. A description of the BMPs that will be implemented on the site to address the deficiencies already identified in this email and the comply with the BM requirements for a Risk Level 2 construction site.

Depending on your response, an inspection and/or additional enforcement action may be necessary.

Thank you,

Wayne Chiu, PE

Water Resource Control Engineer



Attachment 2

to

January 7, 2016

Facility Inspection Report

for

University District Student Housing Construction Site

Chiu, Wayne@Waterboards

From: Christian Ryan <christian@watkinslandmark.com>
Sent: Monday, October 12, 2015 11:35 AM
To: Chiu, Wayne@Waterboards
Cc: Gary Levitt; rthornberry@san-marcos.net; pmichael@mcdonaldgroup.net; Walsh, Laurie@Waterboards; Clemente, Chiara@Waterboards; Tony Frost; Dean Schumacher; Mike Asbell; Paul Metcalf; mlittle@san-marcos.net
Subject: WDID 937C355892 (Urban Villages San Marcos): Unauthorized Sediment Discharge and Inadequate BMPs (SM-741872)
Attachments: North City Unit 1 Recent Implemented BMPs_10.10.2015.pdf

Mr. Chiu,

Below is the Dropbox link where you will find the documentation requested in your e-mail on 10/9/15. You should have also received an invitation to view the Dropbox on Friday. Please respond if you need multiple e-mails to view the documents.

<https://www.dropbox.com/sh/c0ly6iebgirzyth/AACMaYVHdIGeba5WWC36EH-Ma?dl=0>

The information has been organized into folders to address the bullet points in your e-mail. Attached is a picture narrative of the before and after BMP implementations to correct the deficiencies noted in your e-mail. The City was on site this morning and has reviewed the recent implemented BMPs shown in the pictures. Please respond if you need any additional documentation or clarification of the reports.

Thank you,

--

Christian Ryan

Senior Project Manager
Cell: 858.442.9709



San Diego

6160 Innovation Way
Carlsbad, CA 92009
p 858.259.1240 ext 115
f 858.259.1264

Inland Empire

45-250 Club Drive
Indian Wells, CA 92210
p 760.404.0915
f 760.404.0914

www.watkinslandmark.com

Carmel St – on 10/6/2015



Missing BMPs on Carmel St and improperly maintained construction entrance

Recent Implemented BMPs on 10/10/2015



- Fiber roll along Carmel St
- Moved track out plates to roadway edge
- Replaced construction entrance rock and filter fabric
- Lined construction entrance with fiber roll



- Fiber roll along Carmel St
- Gravel bag check dams installed in drainage swale



- Repaired/replaced gravel bag inlet protection – west end of Carmel St



- Gravel bag check dams on Carmel St



- Relocated track out plates and replaced rock at construction entrance

Attachment 3

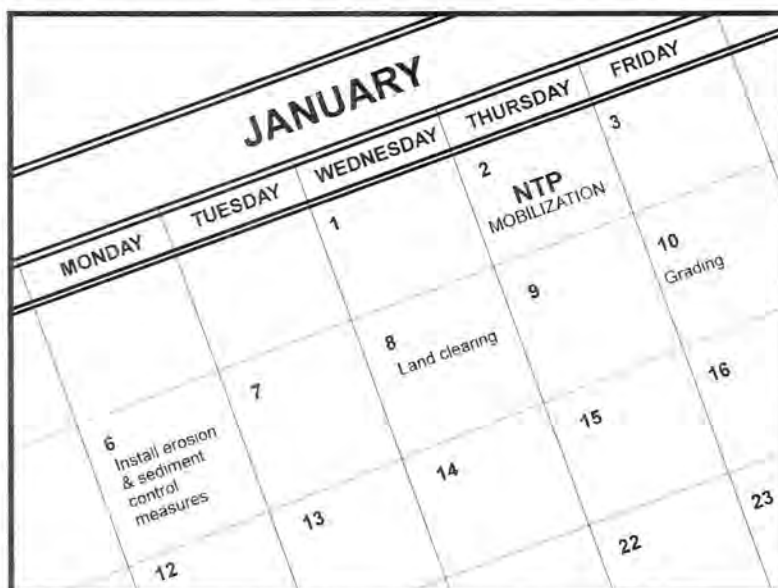
to

January 7, 2016

Facility Inspection Report

for

University District Student Housing Construction Site



Description and Purpose

Scheduling is the development of a written plan that includes sequencing of construction activities and the implementation of BMPs such as erosion control and sediment control while taking local climate (rainfall, wind, etc.) into consideration.

The purpose is to reduce the amount and duration of soil exposed to erosion by wind, rain, runoff, and vehicle tracking, and to perform the construction activities and control practices in accordance with the planned schedule.

Suitable Applications

Proper sequencing of construction activities to reduce erosion potential should be incorporated into the schedule of every construction project especially during rainy season. Use of other, more costly yet less effective, erosion and sediment control BMPs may often be reduced through proper construction sequencing.

Limitations

- Environmental constraints such as nesting season prohibitions reduce the full capabilities of this BMP.

Implementation

- Avoid rainy periods. Schedule major grading operations during dry months when practical. Allow enough time before rainfall begins to stabilize the soil with vegetation or physical means or to install sediment trapping devices.
- Plan the project and develop a schedule showing each phase

Categories

EC	Erosion Control	<input checked="" type="checkbox"/>
SE	Sediment Control	<input checked="" type="checkbox"/>
TC	Tracking Control	<input checked="" type="checkbox"/>
WE	Wind Erosion Control	<input checked="" type="checkbox"/>
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

- Primary Objective
- Secondary Objective

Targeted Constituents

Sediment	<input checked="" type="checkbox"/>
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

None



of construction. Clearly show how the rainy season relates to soil disturbing and re-stabilization activities. Incorporate the construction schedule into the SWPPP.

- Include on the schedule, details on the rainy season implementation and deployment of:
 - Erosion control BMPs
 - Sediment control BMPs
 - Tracking control BMPs
 - Wind erosion control BMPs
 - Non-stormwater BMPs
 - Waste management and materials pollution control BMPs
- Include dates for activities that may require non-stormwater discharges such as dewatering, sawcutting, grinding, drilling, boring, crushing, blasting, painting, hydro-demolition, mortar mixing, pavement cleaning, etc.
- Work out the sequencing and timetable for the start and completion of each item such as site clearing and grubbing, grading, excavation, paving, foundation pouring utilities installation, etc., to **minimize the active construction area during the rainy season.**
 - Sequence trenching activities so that most open portions are closed before new trenching begins.
 - Incorporate staged seeding and re-vegetation of graded slopes as work progresses.
 - Schedule establishment of permanent vegetation during appropriate planting time for specified vegetation.
- **Non-active areas should be stabilized as soon as practical after the cessation of soil disturbing activities or one day prior to the onset of precipitation.**
- Monitor the weather forecast for rainfall.
- When rainfall is predicted, adjust the construction schedule to allow the **implementation of soil stabilization and sediment treatment controls on all disturbed areas prior to the onset of rain.**
- **Be prepared year round to deploy erosion control** and sediment control BMPs. Erosion may be caused during dry seasons by un-seasonal rainfall, wind, and vehicle tracking. Keep the site stabilized year round, and retain and maintain rainy season sediment trapping devices in operational condition.
- Apply permanent erosion control to areas deemed substantially complete during the project's defined seeding window.

Costs

Construction scheduling to reduce erosion may increase other construction costs due to reduced economies of scale in performing site grading. The cost effectiveness of scheduling techniques should be compared with the other less effective erosion and sedimentation controls to achieve a cost effective balance.

Inspection and Maintenance

- Verify that work is progressing in accordance with the schedule. If progress deviates, take corrective actions.
- Amend the schedule when changes are warranted.
- Amend the schedule prior to the rainy season to show updated information on the deployment and implementation of construction site BMPs.

References

Stormwater Quality Handbooks Construction Site Best Management Practices (BMPs) Manual, State of California Department of Transportation (Caltrans), November 2000.

Stormwater Management for Construction Activities Developing Pollution Prevention Plans and Best Management Practices (EPA 832-R-92-005), U.S. Environmental Protection Agency, Office of Water, September 1992.

Attachment 4

to

January 7, 2016

Facility Inspection Report

for

University District Student Housing Construction Site

Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	12/18/2015	Start Time	9:25 AM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection:			
<input checked="" type="checkbox"/> Regular <input checked="" type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If yes, provide:			
Storm Start Date & Time: 12/11/2015 @ 06:00		Storm Duration (hrs): 72 hours	
Approximate Amount of Precipitation (in): .25"			
Weather at time of this inspection?			
<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Partly Cloudy Temperature: 55° F			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If yes, describe:			

Site-specific BMPs

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Maintain the fiber roll at the fence by the construction office.
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	.25" of precip fell in the storm of 12/11/2015 - 12/14/2015. There is now a 70% chance of rain on Saturday and Saturday night with accumulation expected to be .08".
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot.
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Maintain the fiber roll at the fence by the construction office.
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover Trash/Recycle Bins nightly.
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	SWPPP Documentation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	and Wall Map			
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

CERTIFICATION STATEMENT

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print name and title: Kelly Grant CISEC, QSP **Date:** 12/18/2015

Signature: 

NWS Forecast for: 2 Miles WSW San Marcos CA
Issued by: National Weather Service San Diego, CA
Last Update: 6:33 am PST Dec 18, 2015



Today	Tonight	Saturday	Saturday Night	Sunday	Sunday Night	Monday	Monday Night	Tuesday
Sunny	Mostly Clear	Mostly Sunny then Showers Likely	Showers Likely then Partly Cloudy	Mostly Sunny	Partly Cloudy	Mostly Sunny	Partly Cloudy	Mostly Sunny
High: 70 °F Low: 47 °F		High: 63 °F	Low: 46 °F	High: 61 °F	Low: 44 °F	High: 64 °F	Low: 47 °F	High: 65 °F

Today: Sunny, with a high near 70. East wind 5 to 10 mph becoming west in the afternoon.

Tonight: Mostly clear, with a low around 47. Calm wind becoming east around 5 mph after midnight.

Saturday: Showers likely after 4pm. Increasing clouds, with a high near 63. East wind 5 to 10 mph becoming southwest in the afternoon. Chance of precipitation is 60%.

Saturday Night: Showers likely before 10pm. Mostly cloudy, with a low around 46. West wind around 5 mph. Chance of precipitation is 70%.

Sunday: Mostly sunny, with a high near 61. East wind around 5 mph becoming south in the morning.

Sunday Night: Partly cloudy, with a low around 44.

Monday: Mostly sunny, with a high near 64.

Monday Night: Partly cloudy, with a low around 47.

Tuesday: Mostly sunny, with a high near 65.

Tuesday Night: Partly cloudy, with a low around 50.

Wednesday: Mostly sunny, with a high near 66.

Wednesday Night: A chance of showers. Mostly cloudy, with a low around 49.

Thursday: A chance of showers. Partly sunny, with a high near 63.

2 Miles WSW San Marcos CA
33.12°N 117.21°W (Elev. 597 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/sgx>





Point Forecast: 2 Miles WSW San Marcos CA
33.12N 117.21W (Elev. 597 ft)

Last Update: 6:33 am PST Dec 18, 2015

Hourly Weather Forecast Graph

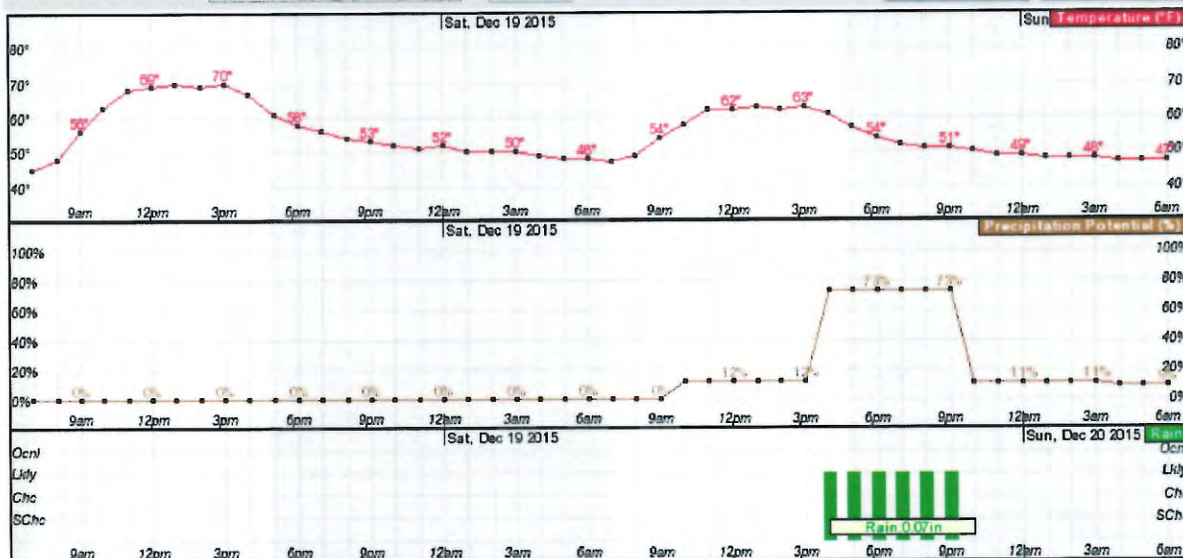
[\[dashes/dots\]](#) | [\[b/w\]](#) | [\[hide menu\]](#)

Weather Elements <input checked="" type="checkbox"/> Temperature (°F) <input type="checkbox"/> Dewpoint (°F) <input type="checkbox"/> Wind Chill (°F)		<input type="checkbox"/> Surface Wind mph ▾ <input type="checkbox"/> Sky Cover (%) <input checked="" type="checkbox"/> Precipitation Potential (%) <input type="checkbox"/> Relative Humidity (%)	Weather/Precipitation <input checked="" type="checkbox"/> Rain <input type="checkbox"/> Thunder <input type="checkbox"/> Snow <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog
---	--	--	---

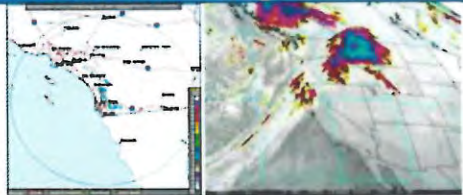
48-Hour Period Starting: 7am Fri, Dec 18 2015 ▾ Submit

[Back 2 Days](#)

[Forward 2 Days](#)



Radars and Satellite Images



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- [7-Day Forecast](#)
- [Observations Map-San Diego](#)
- [Rainfall](#)
- [Local Climate Data](#)
- [How to use this page](#)
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Rain Event Action Plan (REAP)

Date:	12/21/15	WDID Number:	937C355892
Date Rain Predicted to Occur:	12/21/15	Predicted % chance of rain:	80%

Site Information:
 North City Unit 1, San Marcos, 92078
 Site Name, City and Zip Code Project Risk Level: Risk Level 2 Risk Level 3

Site Stormwater Manager Information:
 Kelly Grant, Summit Erosion Control, 858-679-2100
 Name, Company, Emergency Phone Number (24/7)

Erosion and Sediment Control Contractor – Labor Force contracted for the site:
 Summit Erosion Control, 858-679-2100
 Name, Company, Emergency Phone Number (24/7)

Stormwater Sampling Agent:
 Kelly Grant, Summit Erosion Control, 858-602-8667
 Name, Company, Emergency Phone Number (24/7)

Current Phase of Construction
 Check ALL the boxes below that apply to your site.

<input type="checkbox"/> Grading and Land Development	<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Inactive Site
<input checked="" type="checkbox"/> Streets and Utilities	<input type="checkbox"/> Final Landscaping and Site Stabilization	<input type="checkbox"/> Other:

Activities Associated with Current Phase(s)
 Check ALL the boxes below that apply to your site (some apply to all Phases).

Grading and Land Development:

<input type="checkbox"/> Demolition	<input type="checkbox"/> Vegetation Removal	<input type="checkbox"/> Vegetation Salvage-Harvest
<input type="checkbox"/> Rough Grade	<input type="checkbox"/> Finish Grade	<input type="checkbox"/> Blasting
<input type="checkbox"/> Soil Amendment(s):	<input type="checkbox"/> Excavation (_____ ft)	<input type="checkbox"/> Soils Testing
<input type="checkbox"/> Rock Crushing	<input type="checkbox"/> Erosion and Sediment Control	<input type="checkbox"/> Surveying
<input type="checkbox"/> Equip. Maintenance/Fueling	<input type="checkbox"/> Material Delivery and Storage	<input type="checkbox"/> Other:

Streets and Utilities:

<input type="checkbox"/> Finish Grade	<input checked="" type="checkbox"/> Utility Install: water-sewer-gas	<input type="checkbox"/> Paving Operations
<input type="checkbox"/> Equip. Maintenance/Fueling	<input checked="" type="checkbox"/> Storm Drain Installation	<input type="checkbox"/> Material Delivery & Storage
<input type="checkbox"/> Curb and Gutter/Concrete Pour	<input type="checkbox"/> Masonry	<input type="checkbox"/> Other:

Vertical Construction:

<input type="checkbox"/> Framing	<input checked="" type="checkbox"/> Carpentry	<input type="checkbox"/> Concrete/Forms/Foundation
<input type="checkbox"/> Masonry	<input type="checkbox"/> Electrical	<input type="checkbox"/> Painting
<input type="checkbox"/> Drywall/Interior Walls	<input checked="" type="checkbox"/> Plumbing	<input type="checkbox"/> Stucco
<input type="checkbox"/> Equip. Maintenance/Fueling	<input checked="" type="checkbox"/> HVAC	<input type="checkbox"/> Tile
<input type="checkbox"/> Exterior Siding	<input type="checkbox"/> Insulation	<input type="checkbox"/> Landscaping & Irrigation
<input type="checkbox"/> Flooring	<input type="checkbox"/> Roofing	<input type="checkbox"/> Other:

Final Landscaping & Site Stabilization:

<input type="checkbox"/> Stabilization	<input type="checkbox"/> Vegetation Establishment	<input type="checkbox"/> E&S Control BMP Removal
<input type="checkbox"/> Finish Grade	<input type="checkbox"/> Storage Yard/ Material Removal	<input type="checkbox"/> Landscape Installation
<input type="checkbox"/> Painting and Touch-Up	<input type="checkbox"/> Irrigation System Testing	<input type="checkbox"/> Other:
<input type="checkbox"/> Drainage Inlet Stencils	<input type="checkbox"/> Inlet Filtration	<input type="checkbox"/> Perm. Water Quality Ponds
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:

Inactive Construction Site:

<input type="checkbox"/> E & S Control Device Installation	<input type="checkbox"/> Routine Site Inspection	<input type="checkbox"/> Trash Removal
<input type="checkbox"/> E & S Control Device Maintenance	<input type="checkbox"/> Street Sweeping	<input type="checkbox"/> Other:

Rain Event Action Plan (REAP)

Date: 12/21/15 **WDID Number:** 937C355892

Trades Active on Site during Current Phase(s)

Check ALL the boxes below that apply to your site

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> Storm Drain Improvement | <input type="checkbox"/> Grading Contractor | <input type="checkbox"/> Surveyor- Soil Technician |
| <input checked="" type="checkbox"/> Street Improvements | <input checked="" type="checkbox"/> Water Pipe Installation | <input type="checkbox"/> Sanitary Station Provider |
| <input checked="" type="checkbox"/> Material Delivery | <input type="checkbox"/> Sewer Pipe Installation | <input type="checkbox"/> Electrical |
| <input type="checkbox"/> Trenching | <input type="checkbox"/> Gas Pipe Installation | <input checked="" type="checkbox"/> Carpentry |
| <input type="checkbox"/> Concrete Pouring | <input checked="" type="checkbox"/> Electrical Installation | <input type="checkbox"/> Plumbing |
| <input type="checkbox"/> Foundation | <input type="checkbox"/> Communication Installation | <input type="checkbox"/> Masonry |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Erosion and Sediment Control | <input type="checkbox"/> Water, Sewer, Electric Utilities |
| <input type="checkbox"/> Material Delivery | <input type="checkbox"/> Equipment Fueling/Maintenance | <input type="checkbox"/> Rock Products |
| <input type="checkbox"/> Tile Work- Flooring | <input type="checkbox"/> Utilities, e.g., Sewer, Electric | <input type="checkbox"/> Painters |
| <input type="checkbox"/> Drywall | <input type="checkbox"/> Roofers | <input type="checkbox"/> Carpenters |
| <input checked="" type="checkbox"/> HVAC installers | <input type="checkbox"/> Stucco | <input type="checkbox"/> Pest Control: e.g., termite prevention |
| <input type="checkbox"/> Exterior Siding | <input type="checkbox"/> Masons | <input type="checkbox"/> Water Feature Installation |
| <input type="checkbox"/> Insulation | <input type="checkbox"/> Landscapers | <input type="checkbox"/> Utility Line Testers |
| <input type="checkbox"/> Fireproofing | <input type="checkbox"/> Riggers | <input type="checkbox"/> Irrigation System Installation |
| <input type="checkbox"/> Steel Systems | <input type="checkbox"/> Utility Line Testers | <input type="checkbox"/> Other: |

Trade Contractor Information Provided

Check ALL the boxes below that apply to your site.

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Educational Material Handout | <input checked="" type="checkbox"/> Tailgate Meetings | <input checked="" type="checkbox"/> Training Workshop |
| <input checked="" type="checkbox"/> Contractual Language | <input checked="" type="checkbox"/> Fines and Penalties | <input checked="" type="checkbox"/> Signage |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Other: | <input type="checkbox"/> Other: |

Continued on next page.

Rain Event Action Plan (REAP)

Date of REAP	12/21/15	WDID Number:	937C355892
Date Rain Predicted to Occur:		Predicted % chance of rain:	80%

Predicted Rain Event Triggered Actions

Below is a list of suggested actions and items to review for this project. Each active Trade should check all material storage areas, stockpiles, waste management areas, vehicle and equipment storage and maintenance, areas of active soil disturbance, and areas of active work to ensure the proper implementation of BMPs. Project-wide BMPs should be checked and cross-referenced to the BMP progress map.

Trade or Activity	Suggested action(s) to perform / item(s) to review prior to rain event
<input checked="" type="checkbox"/> Information & Scheduling	<input checked="" type="checkbox"/> Inform trade supervisors of predicted rain <input checked="" type="checkbox"/> Check scheduled activities and reschedule as needed <input checked="" type="checkbox"/> Alert erosion/sediment control provider <input checked="" type="checkbox"/> Alert sample collection contractor (if applicable) <input checked="" type="checkbox"/> Schedule staff for extended rain inspections (including weekends & holidays) <input checked="" type="checkbox"/> Check Erosion and Sediment Control (ESC) material stock <input checked="" type="checkbox"/> Review BMP progress map <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Material storage areas	<input checked="" type="checkbox"/> Material under cover or in sheds (ex: treated woods and metals) <input checked="" type="checkbox"/> Perimeter control around stockpiles <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Waste management areas	<input checked="" type="checkbox"/> Dumpsters closed <input checked="" type="checkbox"/> Drain holes plugged <input checked="" type="checkbox"/> Recycling bins covered <input checked="" type="checkbox"/> Sanitary stations bermed and protected from tipping <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Trade operations	<input checked="" type="checkbox"/> Exterior operations shut down for event (e.g., no concrete pours or paving) <input checked="" type="checkbox"/> Soil treatments (e.g., fertilizer) ceased within 24 hours of event <input checked="" type="checkbox"/> Materials and equipment (ex: tools) properly stored and covered <input checked="" type="checkbox"/> Waste and debris disposed in covered dumpsters or removed from site <input checked="" type="checkbox"/> Trenches and excavations protected <input checked="" type="checkbox"/> Perimeter controls around disturbed areas <input checked="" type="checkbox"/> Fueling and repair areas covered and bermed <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Site ESC BMPs	<input checked="" type="checkbox"/> Adequate capacity in sediment basins and traps <input checked="" type="checkbox"/> Site perimeter controls in place <input checked="" type="checkbox"/> Catch basin and drop inlet protection in place and cleaned <input checked="" type="checkbox"/> Temporary erosion controls deployed <input checked="" type="checkbox"/> Temporary perimeter controls deployed around disturbed areas and stockpiles <input checked="" type="checkbox"/> Roads swept; site ingress and egress points stabilized <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input type="checkbox"/> Concrete rinse out area	<input type="checkbox"/> Adequate capacity for rain <input type="checkbox"/> Wash-out bins covered <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Spill and drips	<input checked="" type="checkbox"/> All incident spills and drips, including paint, stucco, fuel, and oil cleaned <input checked="" type="checkbox"/> Drip pans emptied <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	12/28/2015	Start Time	9:40 AM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input checked="" type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 12/21/2015 @ 21:00 Storm Duration (hrs): 84 Approximate Amount of Precipitation (in): ~1"			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input checked="" type="checkbox"/> Other: Partly Cloudy Temperature: 50° F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: There were 2 days of discharges during this storm, 12/22 and 12/23. Both days yielded clean samples and pH within allowable levels.			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	There is a 60% chance of rain with acculation expected to be ~.13" between tonight and tomorrow morning.
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Protect stockpiles on borrow lot.
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Protect stockpiles on borrow lot.
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Place all trash in Containers / Cover Trash/Recycle Bins nightly.
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	SWPPP Documentation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	and Wall Map			
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

CERTIFICATION STATEMENT

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print name and title: Kelly Grant CISEC, QSP **Date:** 12/28/2015

Signature: 

NWS Forecast for: 2 Miles WSW San Marcos CA
Issued by: National Weather Service San Diego, CA
Last Update: 3:25 am PST Dec 28, 2015



Today	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	New Year's Day
Showers Likely	Showers Likely then Mostly Clear	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny
High: 58 °F	Low: 42 °F	High: 59 °F	Low: 43 °F	High: 64 °F	Low: 43 °F	High: 66 °F	Low: 45 °F	High: 65 °F

Today: Showers likely and possibly a thunderstorm, mainly after 4pm. Mostly sunny, with a high near 58. East wind 5 to 10 mph becoming south in the afternoon. Chance of precipitation is 60%.

Tonight: Showers likely and possibly a thunderstorm before 10pm. Partly cloudy, with a low around 42. Northeast wind around 5 mph. Chance of precipitation is 60%.

Tuesday: Sunny, with a high near 59. East wind around 5 mph becoming southwest in the afternoon.

Tuesday Night: Mostly clear, with a low around 43. South wind 5 to 10 mph becoming east in the evening.

Wednesday: Sunny, with a high near 64. East wind 5 to 10 mph becoming south in the morning.

Wednesday Night: Mostly clear, with a low around 43.

Thursday: Sunny, with a high near 66.

Thursday Night: Mostly clear, with a low around 45.

New Year's Day: Sunny, with a high near 65.

Friday Night: Mostly clear, with a low around 45.

Saturday: Sunny, with a high near 65.

Saturday Night: Mostly clear, with a low around 46.

Sunday: A chance of rain. Mostly sunny, with a high near 64.

2 Miles WSW San Marcos CA
33.12°N 117.21°W (Elev. 597 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/sqx>

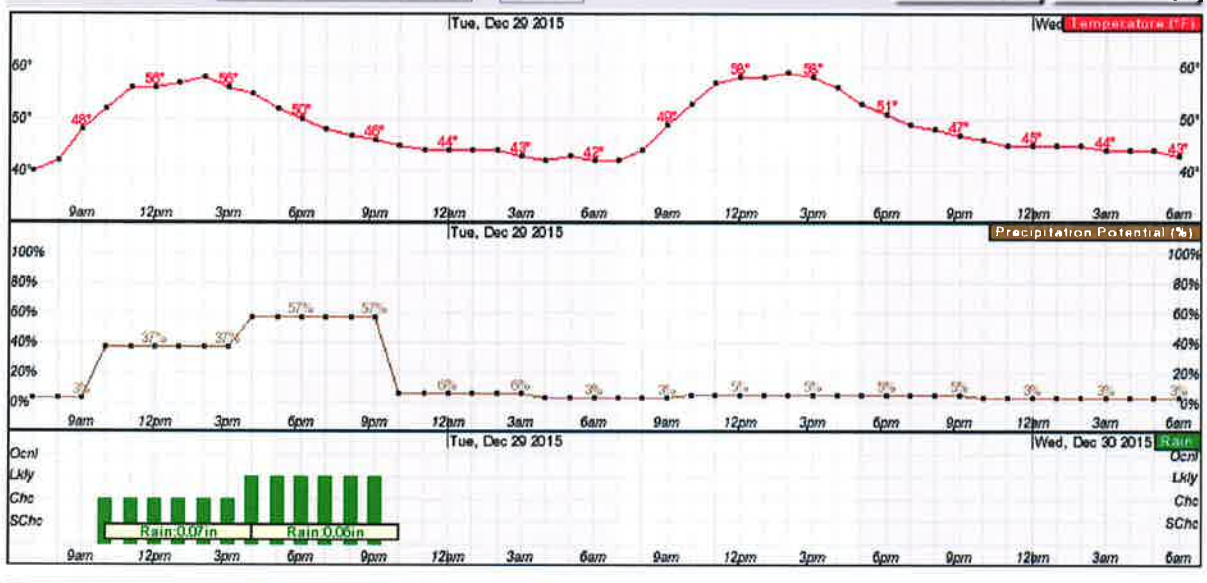
Point Forecast: 2 Miles WSW San Marcos CA
33.12N 117.21W (Elev. 597 ft) Last Update: 3:25 am PST Dec 28, 2015

Hourly Weather Forecast Graph

[dashes/dots](#) | [b/w](#) | [hide menu](#)

Weather Elements		Weather/Precipitation
<input checked="" type="checkbox"/> Temperature (°F) <input type="checkbox"/> Dewpoint (°F) <input type="checkbox"/> Wind Chill (°F)	<input type="checkbox"/> Surface Wind mph ▾ <input type="checkbox"/> Sky Cover (%) <input checked="" type="checkbox"/> Precipitation Potential (%) <input type="checkbox"/> Relative Humidity (%)	<input checked="" type="checkbox"/> Rain <input type="checkbox"/> Thunder <input type="checkbox"/> Snow <input type="checkbox"/> Freezing Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog

48-Hour Period Starting: 7am Mon, Dec 28 2015 Submit
Back 2 Days Forward 2 Days



Radar and Satellite Images

This section displays two side-by-side images: a radar map on the left showing precipitation intensity over the San Diego region, and a satellite image on the right showing cloud cover and atmospheric features.

Additional Forecasts & Information

International System of Units	Forecast Discussion
7-Day Forecast	Tabular Forecast
Observations Map-San Diego	Observations Map-Los Angeles
Rainfall	Visible Satellite Image (daytime)
Local Climate Data	Product Quick Select
How to use this page	User Defined Area

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Rain Event Action Plan (REAP)

Date:	12/28/15	WDID Number:	937C355892
Date Rain Predicted to Occur:	12/28/15	Predicted % chance of rain:	60%

Site Information:
 North City Unit 1, San Marcos, 92078
 Site Name, City and Zip Code Project Risk Level: Risk Level 2 Risk Level 3

Site Stormwater Manager Information:
 Kelly Grant, Summit Erosion Control, 858-679-2100
 Name, Company, Emergency Phone Number (24/7)

Erosion and Sediment Control Contractor – Labor Force contracted for the site:
 Summit Erosion Control, 858-679-2100
 Name, Company, Emergency Phone Number (24/7)

Stormwater Sampling Agent:
 Kelly Grant, Summit Erosion Control, 858-602-8667
 Name, Company, Emergency Phone Number (24/7)

Current Phase of Construction
 Check ALL the boxes below that apply to your site.

<input type="checkbox"/> Grading and Land Development	<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Inactive Site
<input checked="" type="checkbox"/> Streets and Utilities	<input type="checkbox"/> Final Landscaping and Site Stabilization	<input type="checkbox"/> Other:

Activities Associated with Current Phase(s)
 Check ALL the boxes below that apply to your site (some apply to all Phases).

Grading and Land Development:

<input type="checkbox"/> Demolition	<input type="checkbox"/> Vegetation Removal	<input type="checkbox"/> Vegetation Salvage-Harvest
<input type="checkbox"/> Rough Grade	<input type="checkbox"/> Finish Grade	<input type="checkbox"/> Blasting
<input type="checkbox"/> Soil Amendment(s):	<input type="checkbox"/> Excavation (_____ ft)	<input type="checkbox"/> Soils Testing
<input type="checkbox"/> Rock Crushing	<input type="checkbox"/> Erosion and Sediment Control	<input type="checkbox"/> Surveying
<input type="checkbox"/> Equip. Maintenance/Fueling	<input type="checkbox"/> Material Delivery and Storage	<input type="checkbox"/> Other:

Streets and Utilities:

<input checked="" type="checkbox"/> Finish Grade	<input checked="" type="checkbox"/> Utility Install: water-sewer-gas	<input type="checkbox"/> Paving Operations
<input type="checkbox"/> Equip. Maintenance/Fueling	<input type="checkbox"/> Storm Drain Installation	<input type="checkbox"/> Material Delivery & Storage
<input type="checkbox"/> Curb and Gutter/Concrete Pour	<input type="checkbox"/> Masonry	<input type="checkbox"/> Other:

Vertical Construction:

<input checked="" type="checkbox"/> Framing	<input checked="" type="checkbox"/> Carpentry	<input type="checkbox"/> Concrete/Forms/Foundation
<input type="checkbox"/> Masonry	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Painting
<input checked="" type="checkbox"/> Drywall/Interior Walls	<input checked="" type="checkbox"/> Plumbing	<input type="checkbox"/> Stucco
<input type="checkbox"/> Equip. Maintenance/Fueling	<input checked="" type="checkbox"/> HVAC	<input type="checkbox"/> Tile
<input type="checkbox"/> Exterior Siding	<input type="checkbox"/> Insulation	<input type="checkbox"/> Landscaping & Irrigation
<input type="checkbox"/> Flooring	<input type="checkbox"/> Roofing	<input type="checkbox"/> Other:

Final Landscaping & Site Stabilization:

<input type="checkbox"/> Stabilization	<input type="checkbox"/> Vegetation Establishment	<input type="checkbox"/> E&S Control BMP Removal
<input type="checkbox"/> Finish Grade	<input type="checkbox"/> Storage Yard/ Material Removal	<input type="checkbox"/> Landscape Installation
<input type="checkbox"/> Painting and Touch-Up	<input type="checkbox"/> Irrigation System Testing	<input type="checkbox"/> Other:
<input type="checkbox"/> Drainage Inlet Stencils	<input type="checkbox"/> Inlet Filtration	<input type="checkbox"/> Perm. Water Quality Ponds
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:

Inactive Construction Site:

<input type="checkbox"/> E & S Control Device Installation	<input type="checkbox"/> Routine Site Inspection	<input type="checkbox"/> Trash Removal
<input type="checkbox"/> E & S Control Device Maintenance	<input type="checkbox"/> Street Sweeping	<input type="checkbox"/> Other:

Rain Event Action Plan (REAP)

Date:	12/28/15	WDID Number:	
--------------	----------	---------------------	--

Trades Active on Site during Current Phase(s)

Check ALL the boxes below that apply to your site

- | | | |
|---|---|---|
| <input type="checkbox"/> Storm Drain Improvement | <input type="checkbox"/> Grading Contractor | <input type="checkbox"/> Surveyor- Soil Technician |
| <input type="checkbox"/> Street Improvements | <input type="checkbox"/> Water Pipe Installation | <input type="checkbox"/> Sanitary Station Provider |
| <input checked="" type="checkbox"/> Material Delivery | <input type="checkbox"/> Sewer Pipe Installation | <input type="checkbox"/> Electrical |
| <input type="checkbox"/> Trenching | <input type="checkbox"/> Gas Pipe Installation | <input checked="" type="checkbox"/> Carpentry |
| <input type="checkbox"/> Concrete Pouring | <input type="checkbox"/> Electrical Installation | <input type="checkbox"/> Plumbing |
| <input type="checkbox"/> Foundation | <input type="checkbox"/> Communication Installation | <input type="checkbox"/> Masonry |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Erosion and Sediment Control | <input type="checkbox"/> Water, Sewer, Electric Utilities |
| <input type="checkbox"/> Material Delivery | <input type="checkbox"/> Equipment Fueling/Maintenance | <input type="checkbox"/> Rock Products |
| <input type="checkbox"/> Tile Work- Flooring | <input type="checkbox"/> Utilities, e.g., Sewer, Electric | <input type="checkbox"/> Painters |
| <input checked="" type="checkbox"/> Drywall | <input type="checkbox"/> Roofers | <input type="checkbox"/> Carpenters |
| <input checked="" type="checkbox"/> HVAC installers | <input type="checkbox"/> Stucco | <input type="checkbox"/> Pest Control: e.g., termite prevention |
| <input type="checkbox"/> Exterior Siding | <input type="checkbox"/> Masons | <input type="checkbox"/> Water Feature Installation |
| <input type="checkbox"/> Insulation | <input type="checkbox"/> Landscapers | <input type="checkbox"/> Utility Line Testers |
| <input type="checkbox"/> Fireproofing | <input type="checkbox"/> Riggers | <input type="checkbox"/> Irrigation System Installation |
| <input type="checkbox"/> Steel Systems | <input type="checkbox"/> Utility Line Testers | <input type="checkbox"/> Other: |

Trade Contractor Information Provided

Check ALL the boxes below that apply to your site.

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Educational Material Handout | <input checked="" type="checkbox"/> Tailgate Meetings | <input checked="" type="checkbox"/> Training Workshop |
| <input checked="" type="checkbox"/> Contractual Language | <input checked="" type="checkbox"/> Fines and Penalties | <input checked="" type="checkbox"/> Signage |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Other: | <input type="checkbox"/> Other: |

Continued on next page.

Rain Event Action Plan (REAP)

Date of REAP

12/28/15

WDID Number:

937C355892

Date Rain Predicted to Occur:

12/28/15

Predicted % chance of rain:

60%

Predicted Rain Event Triggered Actions

Below is a list of suggested actions and items to review for this project. Each active Trade should check all material storage areas, stockpiles, waste management areas, vehicle and equipment storage and maintenance, areas of active soil disturbance, and areas of active work to ensure the proper implementation of BMPs. Project-wide BMPs should be checked and cross-referenced to the BMP progress map.










Trade or Activity	Suggested action(s) to perform / item(s) to review prior to rain event
<input checked="" type="checkbox"/> Information & Scheduling	<input checked="" type="checkbox"/> Inform trade supervisors of predicted rain <input checked="" type="checkbox"/> Check scheduled activities and reschedule as needed <input checked="" type="checkbox"/> Alert erosion/sediment control provider <input checked="" type="checkbox"/> Alert sample collection contractor (if applicable) <input checked="" type="checkbox"/> Schedule staff for extended rain inspections (including weekends & holidays) <input checked="" type="checkbox"/> Check Erosion and Sediment Control (ESC) material stock <input checked="" type="checkbox"/> Review BMP progress map Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Material storage areas	<input checked="" type="checkbox"/> Material under cover or in sheds (ex: treated woods and metals) <input checked="" type="checkbox"/> Perimeter control around stockpiles Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Waste management areas	<input checked="" type="checkbox"/> Dumpsters closed <input checked="" type="checkbox"/> Drain holes plugged <input checked="" type="checkbox"/> Recycling bins covered <input checked="" type="checkbox"/> Sanitary stations bermed and protected from tipping Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Trade operations	<input checked="" type="checkbox"/> Exterior operations shut down for event (e.g., no concrete pours or paving) <input checked="" type="checkbox"/> Soil treatments (e.g., fertilizer) ceased within 24 hours of event <input checked="" type="checkbox"/> Materials and equipment (ex: tools) properly stored and covered <input checked="" type="checkbox"/> Waste and debris disposed in covered dumpsters or removed from site <input checked="" type="checkbox"/> Trenches and excavations protected <input checked="" type="checkbox"/> Perimeter controls around disturbed areas <input checked="" type="checkbox"/> Fueling and repair areas covered and bermed Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Site ESC BMPs	<input checked="" type="checkbox"/> Adequate capacity in sediment basins and traps <input checked="" type="checkbox"/> Site perimeter controls in place <input checked="" type="checkbox"/> Catch basin and drop inlet protection in place and cleaned <input checked="" type="checkbox"/> Temporary erosion controls deployed <input checked="" type="checkbox"/> Temporary perimeter controls deployed around disturbed areas and stockpiles <input checked="" type="checkbox"/> Roads swept; site ingress and egress points stabilized Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Concrete rinse out area	<input checked="" type="checkbox"/> Adequate capacity for rain <input checked="" type="checkbox"/> Wash-out bins covered Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Spill and drips	<input checked="" type="checkbox"/> All incident spills and drips, including paint, stucco, fuel, and oil cleaned <input checked="" type="checkbox"/> Drip pans emptied Other: _____ _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

NWS Forecast for: San Marcos CA

Issued by: National Weather Service San Diego, CA

Last Update: 3:25 am PST Dec 28, 2015

Print

Today	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	New Year's Day
								
Showers Likely 60%	Showers Likely then Mostly Clear 60%	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny	Mostly Clear	Sunny
High: 57 °F	Low: 40 °F	High: 60 °F	Low: 40 °F	High: 65 °F	Low: 41 °F	High: 66 °F	Low: 43 °F	High: 66 °F

Frost Advisory

Today: Showers likely and possibly a thunderstorm, mainly after 5pm. Increasing clouds, with a high near 57. East wind around 5 mph becoming south in the afternoon. Chance of precipitation is 60%.

Tonight: Showers likely and possibly a thunderstorm before 11pm. Mostly cloudy, then gradually becoming mostly clear, with a low around 40. East wind around 5 mph. Chance of precipitation is 60%.

Tuesday: Sunny, with a high near 60. East wind around 5 mph becoming southwest in the afternoon.

Tuesday Night: Mostly clear, with a low around 40. South wind 5 to 10 mph becoming east in the evening.

Wednesday: Sunny, with a high near 65. East wind 5 to 10 mph becoming south in the morning.

Wednesday Night: Mostly clear, with a low around 41.

Thursday: Sunny, with a high near 66.

Thursday Night: Mostly clear, with a low around 43.

New Year's Day: Sunny, with a high near 66.

Friday Night: Mostly clear, with a low around 42.

Saturday: Sunny, with a high near 66.

Saturday Night: Mostly clear, with a low around 43.

Sunday: A chance of rain. Mostly sunny, with a high near 65.

San Marcos CA

33.15°N 117.16°W (Elev. 669 ft)

/visit your local NWS office at: <http://www.wrh.noaa.gov/sqx>



National Weather Service Forecast Office

San Diego, CA



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Point Forecast: San Marcos CA
33.15N 117.16W (Elev. 669 ft)

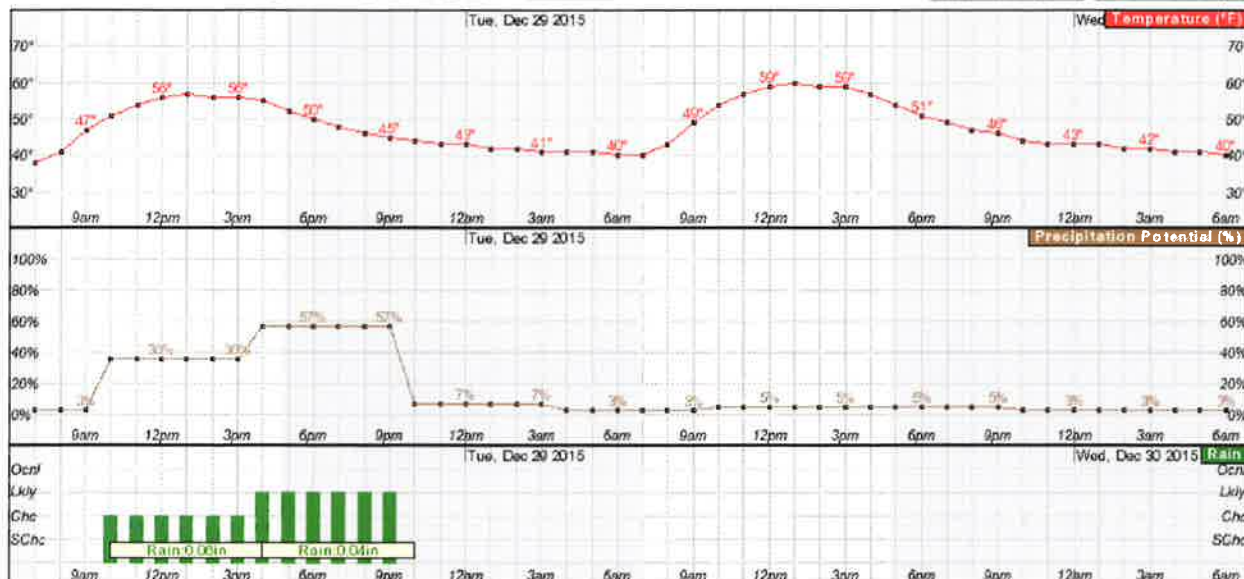
Last Update: 3:25 am PST Dec 28, 2015

Hourly Weather Forecast Graph

[\[dashes/dots\]](#) | [\[b/w\]](#) | [\[hide menu\]](#)

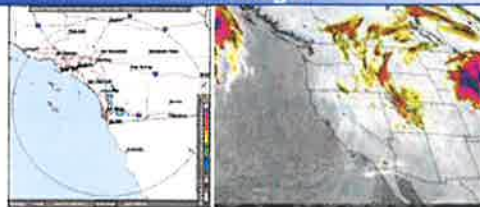
Weather Elements		Weather/Precipitation
<input checked="" type="checkbox"/> Temperature (°F)	<input type="checkbox"/> Surface Wind mph ▾	<input checked="" type="checkbox"/> Rain
<input type="checkbox"/> Dewpoint (°F)	<input type="checkbox"/> Sky Cover (%)	<input type="checkbox"/> Thunder
<input type="checkbox"/> Wind Chill (°F)	<input checked="" type="checkbox"/> Precipitation Potential (%)	<input type="checkbox"/> Snow
	<input type="checkbox"/> Relative Humidity (%)	<input type="checkbox"/> Freezing Rain
		<input type="checkbox"/> Sleet
		<input type="checkbox"/> Fog

48-Hour Period Starting: 7am Mon, Dec 28 2015



Monday, December 28 at 7am
Temperature: 38 °F
Precipitation Potential (%): 3%
Rain: <10%

Radar and Satellite Images



Additional Forecasts & Information

- [International System of Units](#)
- [7-Day Forecast](#)
- [Observations Map-San Diego](#)
- [Rainfall](#)
- [Local Climate Data](#)
- [How to use this page](#)
- [Forecast Discussion](#)
- [Tabular Forecast](#)
- [Observations Map-Los Angeles](#)
- [Visible Satellite Image \(daytime\)](#)
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- [User Defined Area](#)

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Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	1/4/2016	Start Time	8:55 AM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection: <input type="checkbox"/> Regular <input checked="" type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input checked="" type="checkbox"/> Other: Partly Cloudy Temperature: 55° F			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	There is a 90 - 100% chance of rain between today and Friday morning. Up to 3" is expected to accumulate.
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot.
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	actively being worked properly stabilized?			
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all trash/recycle Bins
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover the Fuel Storage Tank and place containment under all gas-powered equipment/machinery.
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all stockpiles and concrete/asphalt demo piles. Also cover any stacks of drywall remaining outside of the structure.
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	SWPPP Documentation and Wall Map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Kelly Grant CISEC, QSP **Date:** 1/4/2016

Signature:



A handwritten signature in blue ink, appearing to read "Kelly Grant", is written over a horizontal line.

Rain Event Action Plan (REAP)

Date:	1/4/2016	WDID Number:	937C355892
Date Rain Predicted to Occur:	1/4/2016	Predicted % chance of rain:	100%

Site Information:
 North City Unit 1, San Marcos, 92078
 Site Name, City and Zip Code Project Risk Level: Risk Level 2 Risk Level 3

Site Stormwater Manager Information:
 Kelly Grant, Summit Erosion Control, 858-679-2100
 Name, Company, Emergency Phone Number (24/7)

Erosion and Sediment Control Contractor – Labor Force contracted for the site:
 Summit Erosion Control, 858-679-2100
 Name, Company, Emergency Phone Number (24/7)

Stormwater Sampling Agent:
 Kelly Grant, Summit Erosion Control, 858-602-8667
 Name, Company, Emergency Phone Number (24/7)

Current Phase of Construction
 Check ALL the boxes below that apply to your site.

<input type="checkbox"/> Grading and Land Development	<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Inactive Site
<input checked="" type="checkbox"/> Streets and Utilities	<input type="checkbox"/> Final Landscaping and Site Stabilization	<input type="checkbox"/> Other:

Activities Associated with Current Phase(s)
 Check ALL the boxes below that apply to your site (some apply to all Phases).

Grading and Land Development:

<input type="checkbox"/> Demolition	<input type="checkbox"/> Vegetation Removal	<input type="checkbox"/> Vegetation Salvage-Harvest
<input type="checkbox"/> Rough Grade	<input type="checkbox"/> Finish Grade	<input type="checkbox"/> Blasting
<input type="checkbox"/> Soil Amendment(s):	<input type="checkbox"/> Excavation (_____ ft)	<input type="checkbox"/> Soils Testing
<input type="checkbox"/> Rock Crushing	<input type="checkbox"/> Erosion and Sediment Control	<input type="checkbox"/> Surveying
<input type="checkbox"/> Equip. Maintenance/Fueling	<input type="checkbox"/> Material Delivery and Storage	<input type="checkbox"/> Other:

Streets and Utilities:

<input type="checkbox"/> Finish Grade	<input checked="" type="checkbox"/> Utility Install: water-sewer-gas	<input type="checkbox"/> Paving Operations
<input type="checkbox"/> Equip. Maintenance/Fueling	<input type="checkbox"/> Storm Drain Installation	<input type="checkbox"/> Material Delivery & Storage
<input type="checkbox"/> Curb and Gutter/Concrete Pour	<input type="checkbox"/> Masonry	<input type="checkbox"/> Other:

Vertical Construction:

<input type="checkbox"/> Framing	<input type="checkbox"/> Carpentry	<input type="checkbox"/> Concrete/Forms/Foundation
<input type="checkbox"/> Masonry	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Painting
<input checked="" type="checkbox"/> Drywall/Interior Walls	<input checked="" type="checkbox"/> Plumbing	<input type="checkbox"/> Stucco
<input checked="" type="checkbox"/> Equip. Maintenance/Fueling	<input checked="" type="checkbox"/> HVAC	<input type="checkbox"/> Tile
<input checked="" type="checkbox"/> Exterior Siding	<input checked="" type="checkbox"/> Insulation	<input type="checkbox"/> Landscaping & Irrigation
<input type="checkbox"/> Flooring	<input type="checkbox"/> Roofing	<input type="checkbox"/> Other:

Final Landscaping & Site Stabilization:

<input type="checkbox"/> Stabilization	<input type="checkbox"/> Vegetation Establishment	<input type="checkbox"/> E&S Control BMP Removal
<input type="checkbox"/> Finish Grade	<input type="checkbox"/> Storage Yard/ Material Removal	<input type="checkbox"/> Landscape Installation
<input type="checkbox"/> Painting and Touch-Up	<input type="checkbox"/> Irrigation System Testing	<input type="checkbox"/> Other:
<input type="checkbox"/> Drainage Inlet Stencils	<input type="checkbox"/> Inlet Filtration	<input type="checkbox"/> Perm. Water Quality Ponds
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:	<input type="checkbox"/> Other:

Inactive Construction Site:

<input type="checkbox"/> E & S Control Device Installation	<input type="checkbox"/> Routine Site Inspection	<input type="checkbox"/> Trash Removal
<input type="checkbox"/> E & S Control Device Maintenance	<input type="checkbox"/> Street Sweeping	<input type="checkbox"/> Other:

Rain Event Action Plan (REAP)

Date:	1/4/2016	WDID Number:	9 37C355892
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Trades Active on Site during Current Phase(s)

Check ALL the boxes below that apply to your site

- | | | |
|---|---|---|
| <input type="checkbox"/> Storm Drain Improvement | <input type="checkbox"/> Grading Contractor | <input type="checkbox"/> Surveyor- Soil Technician |
| <input type="checkbox"/> Street Improvements | <input type="checkbox"/> Water Pipe Installation | <input type="checkbox"/> Sanitary Station Provider |
| <input type="checkbox"/> Material Delivery | <input type="checkbox"/> Sewer Pipe Installation | <input type="checkbox"/> Electrical |
| <input type="checkbox"/> Trenching | <input type="checkbox"/> Gas Pipe Installation | <input type="checkbox"/> Carpentry |
| <input type="checkbox"/> Concrete Pouring | <input checked="" type="checkbox"/> Electrical Installation | <input type="checkbox"/> Plumbing |
| <input type="checkbox"/> Foundation | <input type="checkbox"/> Communication Installation | <input type="checkbox"/> Masonry |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Erosion and Sediment Control | <input type="checkbox"/> Water, Sewer, Electric Utilities |
| <input type="checkbox"/> Material Delivery | <input type="checkbox"/> Equipment Fueling/Maintenance | <input type="checkbox"/> Rock Products |
| <input type="checkbox"/> Tile Work- Flooring | <input type="checkbox"/> Utilities, e.g., Sewer, Electric | <input type="checkbox"/> Painters |
| <input checked="" type="checkbox"/> Drywall | <input type="checkbox"/> Roofers | <input type="checkbox"/> Carpenters |
| <input checked="" type="checkbox"/> HVAC installers | <input type="checkbox"/> Stucco | <input type="checkbox"/> Pest Control: e.g., termite prevention |
| <input type="checkbox"/> Exterior Siding | <input type="checkbox"/> Masons | <input type="checkbox"/> Water Feature Installation |
| <input checked="" type="checkbox"/> Insulation | <input type="checkbox"/> Landscapers | <input type="checkbox"/> Utility Line Testers |
| <input type="checkbox"/> Fireproofing | <input type="checkbox"/> Riggers | <input type="checkbox"/> Irrigation System Installation |
| <input type="checkbox"/> Steel Systems | <input type="checkbox"/> Utility Line Testers | <input type="checkbox"/> Other: |

Trade Contractor Information Provided

Check ALL the boxes below that apply to your site.

- | | | |
|--|---|---|
| <input checked="" type="checkbox"/> Educational Material Handout | <input checked="" type="checkbox"/> Tailgate Meetings | <input checked="" type="checkbox"/> Training Workshop |
| <input checked="" type="checkbox"/> Contractual Language | <input checked="" type="checkbox"/> Fines and Penalties | <input checked="" type="checkbox"/> Signage |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Other: | <input type="checkbox"/> Other: |

Continued on next page.

Rain Event Action Plan (REAP)

Date of REAP	1/4/2014	WDID Number:	9 37C355892
Date Rain Predicted to Occur:	1/4/2014	Predicted % chance of rain:	100%

Predicted Rain Event Triggered Actions

Below is a list of suggested actions and items to review for this project. Each active Trade should check all material storage areas, stockpiles, waste management areas, vehicle and equipment storage and maintenance, areas of active soil disturbance, and areas of active work to ensure the proper implementation of BMPs. Project-wide BMPs should be checked and cross-referenced to the BMP progress map.

Trade or Activity	Suggested action(s) to perform / item(s) to review prior to rain event
<input checked="" type="checkbox"/> Information & Scheduling	<input checked="" type="checkbox"/> Inform trade supervisors of predicted rain <input checked="" type="checkbox"/> Check scheduled activities and reschedule as needed <input checked="" type="checkbox"/> Alert erosion/sediment control provider <input checked="" type="checkbox"/> Alert sample collection contractor (if applicable) <input checked="" type="checkbox"/> Schedule staff for extended rain inspections (including weekends & holidays) <input checked="" type="checkbox"/> Check Erosion and Sediment Control (ESC) material stock <input checked="" type="checkbox"/> Review BMP progress map <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Material storage areas	<input checked="" type="checkbox"/> Material under cover or in sheds (ex: treated woods and metals) <input checked="" type="checkbox"/> Perimeter control around stockpiles <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Waste management areas	<input checked="" type="checkbox"/> Dumpsters closed <input checked="" type="checkbox"/> Drain holes plugged <input checked="" type="checkbox"/> Recycling bins covered <input checked="" type="checkbox"/> Sanitary stations bermed and protected from tipping <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Trade operations	<input checked="" type="checkbox"/> Exterior operations shut down for event (e.g., no concrete pours or paving) <input checked="" type="checkbox"/> Soil treatments (e.g., fertilizer) ceased within 24 hours of event <input checked="" type="checkbox"/> Materials and equipment (ex: tools) properly stored and covered <input checked="" type="checkbox"/> Waste and debris disposed in covered dumpsters or removed from site <input checked="" type="checkbox"/> Trenches and excavations protected <input checked="" type="checkbox"/> Perimeter controls around disturbed areas <input checked="" type="checkbox"/> Fueling and repair areas covered and bermed <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Site ESC BMPs	<input checked="" type="checkbox"/> Adequate capacity in sediment basins and traps <input checked="" type="checkbox"/> Site perimeter controls in place <input checked="" type="checkbox"/> Catch basin and drop inlet protection in place and cleaned <input checked="" type="checkbox"/> Temporary erosion controls deployed <input checked="" type="checkbox"/> Temporary perimeter controls deployed around disturbed areas and stockpiles <input checked="" type="checkbox"/> Roads swept; site ingress and egress points stabilized <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Concrete rinse out area	<input checked="" type="checkbox"/> Adequate capacity for rain <input checked="" type="checkbox"/> Wash-out bins covered <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____
<input checked="" type="checkbox"/> Spill and drips	<input checked="" type="checkbox"/> All incident spills and drips, including paint, stucco, fuel, and oil cleaned <input checked="" type="checkbox"/> Drip pans emptied <input type="checkbox"/> Other: _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____

Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	1/6/2016	Start Time	1:00 PM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection: <input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input checked="" type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 1/4/2016 @ 04:00 Storm Duration (hrs): 31.5 Approximate Amount of Precipitation (in): .4"			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Partly Cloudy Temperature: 53° F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: It is apparent that a small amount of discharge has taken place.			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	The chance of rain at 90 - 100% chance of rain continues until Friday morning. More than 3" total is now expected to accumulate.
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot.
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot.
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all trash/recycle Bins
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
13	SWPPP Documentation and Wall Map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

CERTIFICATION STATEMENT

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”










Print name and title: Kelly Grant CISEC, QSP **Date:** 1/6/2016

Signature:  _____

NWS Forecast for: 2 Miles WSW San Marcos CA

Issued by: National Weather Service San Diego, CA

[Last Update: 2:54 am PST Jan 6, 2016](#)

Overnight	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night
								
40%	80%	100%	80%	70%	60% → 30%	30%		
Chance Showers	Heavy Rain	Heavy Rain	Showers	Showers Likely	Showers Likely then Chance Showers	Chance Rain	Rain Likely	Rain Likely
Low: 50 °F	High: 57 °F	Low: 50 °F	High: 54 °F	Low: 47 °F	High: 54 °F	Low: 46 °F	High: 58 °F	Low: 50 °F

Flash Flood Watch
High Surf Advisory
Wind Advisory

Overnight: A 40 percent chance of showers. Mostly cloudy, with a low around 50. West wind around 10 mph.

Wednesday: A chance of showers, then showers and possibly a thunderstorm after 10am. Some of the storms could produce small hail, gusty winds, and heavy rain. High near 57. South wind 5 to 15 mph, with gusts as high as 25 mph. Chance of precipitation is 80%.

Wednesday Night: Showers and possibly a thunderstorm. Some of the storms could produce small hail, gusty winds, and heavy rain. Low around 50. Southwest wind 10 to 15 mph, with gusts as high as 20 mph. Chance of precipitation is 100%.

Thursday: Showers and possibly a thunderstorm, mainly before 4pm, then a chance of showers and thunderstorms after 4pm. High near 54. West wind 5 to 10 mph. Chance of precipitation is 80%.

Thursday Night: A chance of showers and thunderstorms, then showers likely after 10pm. Mostly cloudy, with a low around 47. South wind 5 to 10 mph becoming north in the evening. Chance of precipitation is 70%.

Friday: Showers likely, mainly before 10am. Mostly cloudy, with a high near 54. Chance of precipitation is 60%.

Friday Night: A slight chance of showers before 4am, then a chance of rain after 4am. Mostly cloudy, with a low around 46. Chance of precipitation is 30%.

Saturday: Rain likely, mainly after 10am. Mostly cloudy, with a high near 58.

Saturday Night: Rain likely before 10pm, then a chance of showers after 10pm. Mostly cloudy, with a low around 50.

Sunday: A chance of showers, mainly before 10am. Partly sunny, with a high near 59.

Sunday Night: A slight chance of showers. Partly cloudy, with a low around 47.

Monday: Mostly sunny, with a high near 60.

Monday Night: Partly cloudy, with a low around 46.

Tuesday: A slight chance of rain. Mostly sunny, with a high near 60.



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Point Forecast: 2 Miles WSW San Marcos CA
33.12N 117.21W (Elev. 597 ft)

Last Update: 2:54 am PST Jan 6, 2016

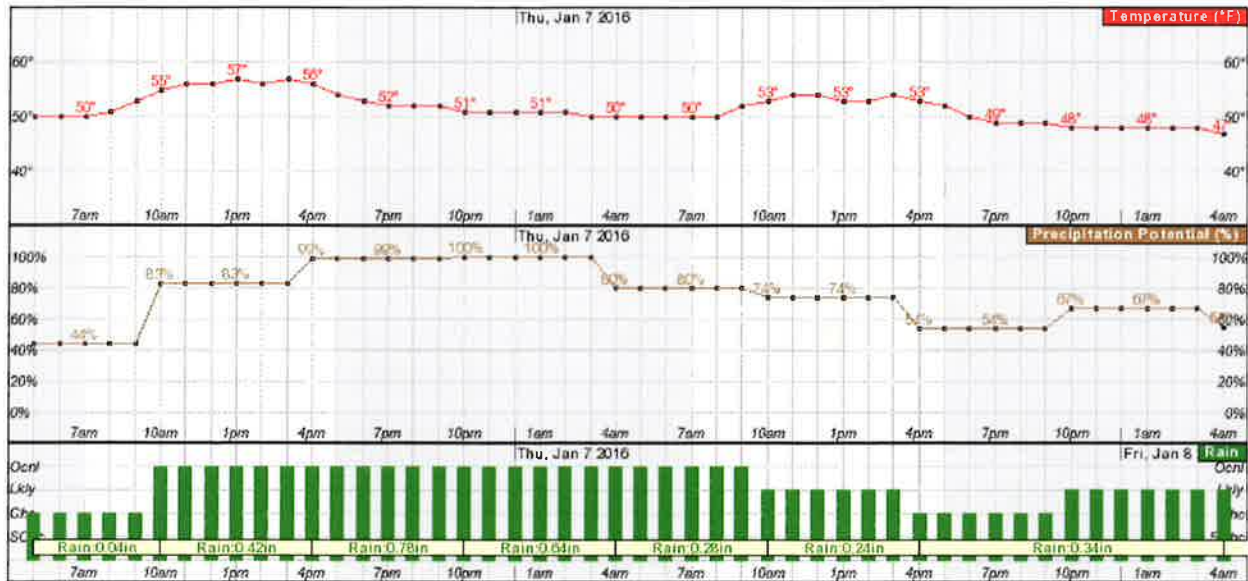
Hourly Weather Forecast Graph

[\[dashes/dots\]](#) | [\[b/w\]](#) | [\[hide menu\]](#)

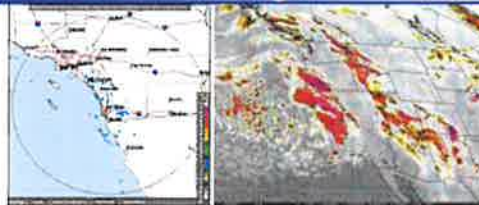
Weather Elements		Weather/Precipitation
<input checked="" type="checkbox"/> Temperature (°F)	<input type="checkbox"/> Surface Wind <input type="text" value="mph"/>	<input checked="" type="checkbox"/> Rain
<input type="checkbox"/> Dewpoint (°F)	<input type="checkbox"/> Sky Cover (%)	<input type="checkbox"/> Thunder
<input type="checkbox"/> Wind Chill (°F)	<input checked="" type="checkbox"/> Precipitation Potential (%)	<input type="checkbox"/> Snow
	<input type="checkbox"/> Relative Humidity (%)	<input type="checkbox"/> Freezing Rain
		<input type="checkbox"/> Sleet
		<input type="checkbox"/> Fog

48-Hour Period Starting:

[Back 2 Days](#) | [Forward 2 Days](#)



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Point Forecast: 2 Miles WSW San Marcos CA
33.12N 117.21W (Elev. 597 ft)

Last Update: 2:54 am PST Jan 6, 2016

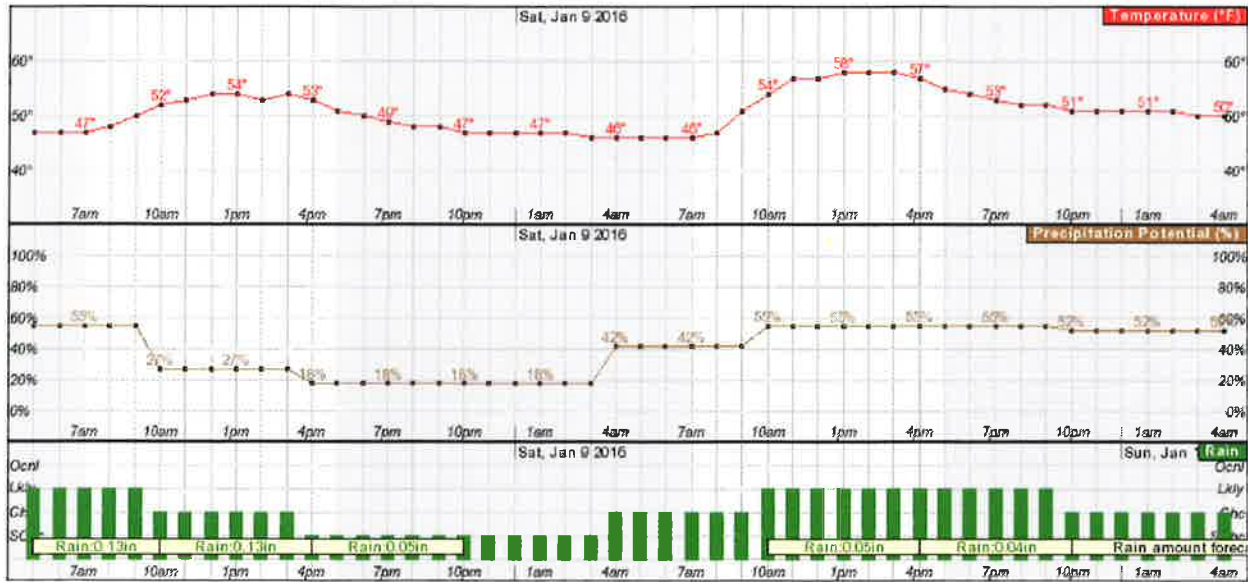
Hourly Weather Forecast Graph

[\[dashes/dots\]](#) | [\[b/w\]](#) | [\[hide menu\]](#)

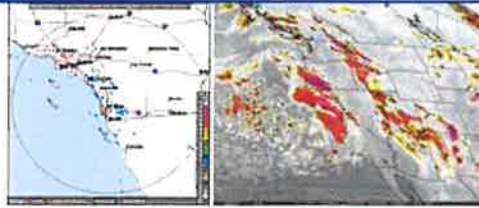
Weather Elements		Weather/Precipitation
<input checked="" type="checkbox"/> Temperature (°F)	<input type="checkbox"/> Surface Wind <input type="text" value="mph"/>	<input checked="" type="checkbox"/> Rain
<input type="checkbox"/> Dewpoint (°F)	<input type="checkbox"/> Sky Cover (%)	<input type="checkbox"/> Thunder
<input type="checkbox"/> Wind Chill (°F)	<input checked="" type="checkbox"/> Precipitation Potential (%)	<input type="checkbox"/> Snow
	<input type="checkbox"/> Relative Humidity (%)	<input type="checkbox"/> Freezing Rain
		<input type="checkbox"/> Sleet
		<input type="checkbox"/> Fog

48-Hour Period Starting:

[Back 2 Days](#) | [Forward 2 Days](#)



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Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	1/7/2016	Start Time	1:50 PM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input checked="" type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 1/4/2016 @ 04:00 Storm Duration (hrs): 82 Approximate Amount of Precipitation (in): 2.5"			
Weather at time of this inspection? <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input type="checkbox"/> Other: Partly Cloudy Temperature: 55° F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: It is apparent that a small amount of discharge has taken place.			
Are there any discharges at the time of inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: The discharge was sampled. The turbidity reading average at the headwall behind the courthouse averaged 234 and the pH averaged 8.1			

Site-specific BMPs

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	The chance of rain at 90 - 100% chance of rain now continues until Sunday morning. More than 3" total is now expected to accumulate.
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot and place fiber rolls at 10' spacing.
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked properly stabilized?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot and place fiber rolls at 10' spacing. Construction roads need to be re-established. Inactive areas (ie. the laydown yard by construction office and parkway on Carmel Drive) need to be stabilized.
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Check Dams needed in borrow lot to reduce velocity of run-off.
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Perimeter controls needed on all Top-of-Slope perimeter.
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Maintain inlet protection in Ledcor parking lot.
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Construction entrance needed at opening in fence at Ledcor's parking lot.
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all trash/recycle Bins
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All gas/diesel powered equipment/machinery must have containment beneath them.
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all construction material stockpiles
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	SWPPP Documentation and Wall Map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

CERTIFICATION STATEMENT

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print name and title: Kelly Grant CISEC, QSP **Date:** 1/7/2016

Signature: _____

Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	1/8/2016	Start Time	2:45 PM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection:			
<input type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide: Storm Start Date & Time: 1/4/2016 @ 04:00 Storm Duration (hrs): 96 Approximate Amount of Precipitation (in): 3.1"			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input checked="" type="checkbox"/> Other: Partly Cloudy Temperature: 60° F			
Have any discharges occurred since the last inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: It is apparent that a small amount of discharge has taken place.			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

#	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot and place fiber rolls at 10' spacing.
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

#	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot and place fiber rolls at 10' spacing.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	actively being worked properly stabilized?			Construction roads need to be re-established. Inactive areas (ie. the laydown yard by construction office and parkway on Carmel Drive) need to be stabilized.
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Check Dams needed in borrow lot to reduce velocity of run-off.
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Perimeter controls needed on all Top-of-Slope perimeter.
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Maintain inlet protection in Ledcor parking lot.
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Construction entrance needed at opening in fence at Ledcor's parking lot.
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all trash/recycle Bins
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All gas/diesel powered equipment/machinery must have containment beneath them.
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all construction material stockpiles
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
13	SWPPP Documentation and Wall Map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

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“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print name and title: Kelly Grant CISEC, QSP **Date:** 1/8/2016

Signature: _____

Stormwater Construction Site Inspection Report

General Information			
Project Name	North City Unit 1		
WDID #	9 37C355892	Location	Barham Street, San Marcos, CA
Date of Inspection	1/14/2016	Start Time	8:30AM
Inspector's Name(s)	Kelly Grant		
Inspector's Title(s)	Inspector, Summit Erosion Control		
Inspector's Contact Information	858-679-2100, info@summiterosion.com		
Inspector's Qualifications	QSP, Erosion Control Subcontractor		
Describe present phase of construction	Vertical Construction		
Type of Inspection: <input checked="" type="checkbox"/> Regular <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event			
Weather Information			
Has there been a storm event since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, provide: Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			
Weather at time of this inspection? <input type="checkbox"/> Clear <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Sleet <input type="checkbox"/> Fog <input type="checkbox"/> Snowing <input type="checkbox"/> High Winds <input checked="" type="checkbox"/> Other: Partly Cloudy Temperature: 52° F			
Have any discharges occurred since the last inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			
Are there any discharges at the time of inspection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe:			

Site-specific BMPs

	BMP	BMP Installed?	BMP Maintenance Required?	Corrective Action Needed and Notes
1	Silt Fence	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2	Gravel Bags	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Replace damaged gravel bags by offices on Carmel.
3	Fiber Roll	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Inlet Protectors	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Construction Entrance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Weather info:	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8	BFM	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot and place fiber rolls at 10' spacing.
9		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Overall Site Issues

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
1	Are all slopes and disturbed areas not actively being worked	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Re-spray old stockpiles/slopes and spray new, tracked slopes in borrow lot and place fiber rolls at 10' spacing. Construction roads need to be re-established.

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
	properly stabilized?			Complete Inactive areas stabilization.
2	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Check Dams needed in borrow lot to reduce velocity of run-off.
3	Are perimeter controls and sediment barriers adequately installed (keyed into substrate) and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4	Are discharge points and receiving waters free of any sediment deposits?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5	Are storm drain inlets properly protected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Maintain inlet protection in Ledcor parking lot (replace filter fabric)
6	Is the construction exit preventing sediment from being tracked into the street?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
7	Is trash/litter from work areas collected and placed in covered dumpsters?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all trash/recycle Bins
8	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
9	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All gas/diesel powered equipment/machinery must have containment beneath them. Construction Traffic Routes need to be stabilized.
10	Are materials that are potential stormwater contaminants stored inside or under cover?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cover all construction material stockpiles
11	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12	Surplus BMP's	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
13	SWPPP Documentation and Wall Map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	BMP/activity	Implemented?	Maintenance Required?	Corrective Action Needed and Notes
14		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	

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Print name and title: Kelly Grant CISEC, QSP **Date:** 1/14/2016

Signature: _____