THE JOEL MICHAELY GROW, LLC.

SITE GRADING PERMIT PLAN

APN: 012-045-40, 012-045-41, 012-059-10, 012-059-11, 012-059-12, 012-059-13, 012-059-14, 012-059-14, 012-045-43, 012-045-42, 012-045-039

VICINITY MAP
NOT TO SCALE

DIRECTIONS TO SITE:

FROM LOWER LAKE, CA
- AT THE INTERSECTION OF MAIN ST. AND LAKE ST. HEAD WEST ON MAIN ST TOWARD CA-29 SOUTH.
- STAY ON CA-29 SOUTH FOR 1.5 MILES BEFORE TURNING LEFT ON SPRUCE GROVE RD.
- STAY ON SPRUCE GROVE RD. FOR 0.6 MILES.
- DESTINATION WILL BE ON THE LEFT

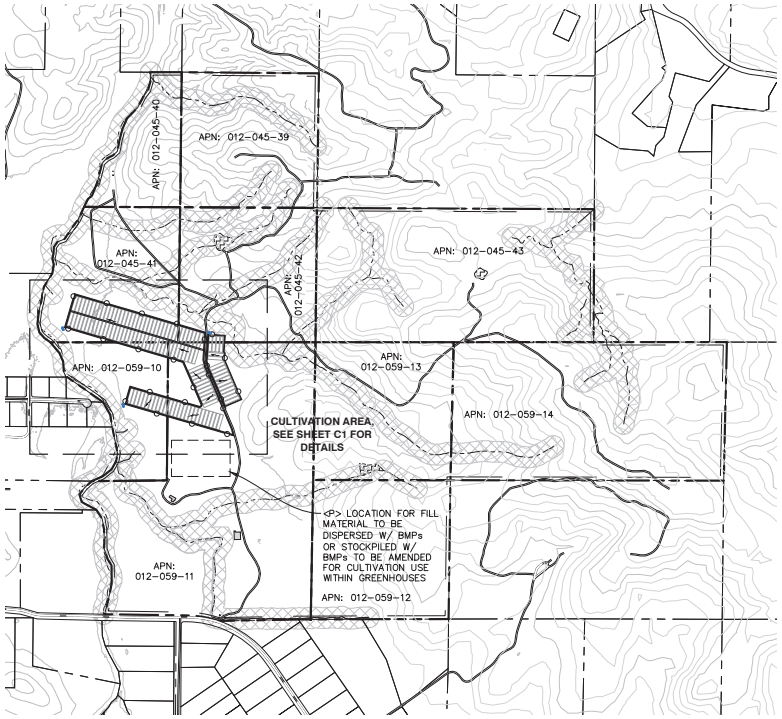
UNAUTHORIZED CHANGES & USES:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL AND THE COUNTY OF HUMBOLDT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.

GENERAL CONSTRUCTION NOTES:

1. ALL NOTES ON THESE PLANS SHALL APPLY TO NEW CONSTRUCTION.
2. DRAWING SCALE AS NOTED. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
3. NO WORK TO BE PREFORMED OR WITHIN COUNTY RIGHT-OF-WAY.
4. EROSION & SEDIMENT CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE LAKE COUNTY LAND USE AND DEVELOPMENT ORDINANCE.
5. ALL WORK SHALL BE PERFORMED BY A STATE OF CALIFORNIA LICENSED CONTRACTOR.
6. CONSTRUCTION ADMINISTRATION AND CONSTRUCTION CONTRACTING TERMS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR.
7. THE CONTRACTOR SHALL OBTAIN REQUIRED PERMITS FROM ALL AGENCIES AND PAY ALL AGENCY FEES PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL CONFORM WITH ZONING CODES BUILDING CODES, AND ALL OTHER REQUIREMENTS ADMINISTERED BY THE COUNTY OF LAKE.
8. UNDERGROUND SERVICE ALERT (USA) - CALL TOLL FREE 1-800-642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
9. THE CONTRACTOR SHALL GIVE THE COUNTY OF LAKE BUILDING DEPARTMENT 72 HOURS OF NOTICE BEFORE STARTING WORK. A PRE-CONSTRUCTION MEETING MAY BE REQUIRED.
10. HOURS OF CONSTRUCTION FOR ON AND OFF-SITE IMPROVEMENTS SHALL BE RESTRICTED TO MONDAY THRU FRIDAY FROM 7AM TO 6PM, SATURDAY AND SUNDAY FROM 9AM TO 5PM, OR AS ALLOWED PER CURRENT LAKE COUNTY CODE.
11. THIS IS NOT A BOUNDARY SURVEY. BOUNDARY DATA PROVIDED MY LAKE COUNTY 2016 GIS DATA. CULTIVATION AREAS, ROADS, WATERCOURSES PROVIDED BY VANDERWALL ENGINEERING, INC. NORTHPOINT CONSULTING GROUP, INC. HAS NOT VERIFIED THE PROPERTY BOUNDARY.
12. THE INFORMATION AND ELEVATIONS PERTAINING TO EXISTING OVERHEAD AND UNDERGROUND FACILITIES AS SHOWN HEREIN, ARE FROM RECORD INFORMATION ONLY AND ARE PRESENTED HERE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL AGENCIES INVOLVED AND SHALL LOCATE ALL EXISTING FACILITIES PRIOR TO EXCAVATION AND CONSTRUCTION IN ANY AREA. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND DEVELOPER OF ANY APPARENT DISCREPANCIES IN THE RECORD INFORMATION SHOWN HEREIN.
13. THE CONTRACTOR SHALL MAINTAIN A NEAT APPEARANCE TO THE WORK IN ANY AREA VISIBLE TO THE PUBLIC.
14. THE CONTRACTOR SHALL REMOVE FROM THE SITE AND LAWFULLY DISPOSE OF ALL DELETERIOUS MATERIAL (BROKEN CONCRETE, ASPHALT PAVEMENT, BASE MATERIAL, ROCKS, STUMPS, ROOTS, LIMBS, ETC.) TO AN APPROVED DISPOSAL SITE.
15. UNLESS SPECIFICALLY AGREED TO OTHERWISE BETWEEN THE CONTRACTOR AND THE OWNER, THE OWNER IS RESPONSIBLE FOR PAYING FOR ALL SOIL COMPACTION TESTS AND OR OTHER TESTS THAT ARE REQUIRED BY THESE PLANS.
16. ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD. THE COUNTY COMMUNITY DEVELOPMENT DEPARTMENT (COD), OR THE OWNER IMMEDIATELY UPON DISCOVERY, NOTIFICATION SHALL BE IN WRITING.
17. CLASSIFICATION OF WATERCOURSES AS IDENTIFIED IN VANDERWALL ENGINEERING, INC SITE PLAN



PLOT PLAN
22x34 SHEET: 1"=600'
11x17 SHEET: 1"=1200'
0 300 600 1200

N

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

SITE GRADING NOTES:

1. CONTRACTOR SHALL COMPLY WITH ANY AND ALL GRADING PERMIT REQUIREMENTS ADMINISTERED BY THE COUNTY OF LAKE.
2. FINISHED GRADING SHALL BE AS INDICATED ON THE PLANS.
3. TOPSOIL AND ALL UNSUITABLE MATERIAL SHALL BE REMOVED FROM ALL AREAS TO RECEIVE CONCRETE, ASPHALT, OR FILL, UNSUITABLE MATERIAL INCLUDES SOILS WITH HIGH ORGANIC MATERIAL, DARKER TOPSOILS AND OVER SATURATED SOILS.
4. ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 90%, EXCEPT WHERE 95% RELATIVE COMPACTION REQUIRED WITHIN 24" OF FINISH GRADE AS SPECIFIED IN SECTION 19-5.03 OF CALTRANS STANDARD SPECIFICATIONS.
5. ALL GROUND BARED BY CONSTRUCTION ACTIVITIES SHALL RECEIVE EROSION CONTROL TREATMENT AS SPECIFIED IN THE SOIL LOSS & POLLUTION PREVENTION PLAN (SHEETS C2).
6. ALL EXPORT MATERIAL SHALL BE TAKEN TO A PROPER DISPOSAL SITE.

PROJECT DESCRIPTION:

THE JOEL MICHAELY GROW, LLC. IS PROPOSING TO PERMIT COMMERCIAL CANNABIS CULTIVATION IN ACCORDANCE WITH THE LAKE COUNTY LAND USE ORDINANCE (ARTICLE 27). THE PROPOSAL IS FOR TYPE 3B MIXED LIGHT CULTIVATION FOR 550,000 SQUARE FEET (SF) OF CANOPY AREA. THE PROPOSAL ALSO INCLUDES THE DEVELOPMENT OF FACILITIES APPURTENANT TO CULTIVATION, INCLUDING HOOP HOUSES, FACILITIES FOR DRYING AND CURING OF HARVESTED CANNABIS, STORAGE SHEDS AND THE APPROPRIATE IRRIGATION INFRASTRUCTURE.

PROJECT INFORMATION:

APPLICANT:
THE JOEL MICHAELY GROW, LLC.
11450 & 11474 SPRUCE GROVE RD
LOWER LAKE, CA 95457

PROPERTY OWNER:
11450 SPRUCE GROVE, INC.
192 LEXINGTON AVE. SUITE 901
NEW YORK, NEW YORK 10016

APPLICANTS AGENT:
NORTHPOINT CONSULTING GROUP, INC
1117 SAMOA BLVD.
ARCATA, CA 95521
(707) 798-6438

SITE ADDRESS:
APN: 012-045-40
APN: 012-045-41
APN: 012-059-10
APN: 012-059-11
APN: 012-059-12
APN: 012-059-13
APN: 012-059-14
APN: 012-045-43
APN: 012-045-42
APN: 012-045-39
11450 & 11474 SPRUCE GROVE RD.
LOWER LAKE, CA 95457

TREES TO BE REMOVED = NONE

EARTHWORK QUANTITIES:

TOTAL CUT (ORGANIC)	= 30,245 CU.YD.
TOTAL FILL (AGGREGATE BASE)	= 30,245 CU.YD.
REMOVED FROM SITE	= 0 CU.YD.
TRANSPORTED TO SITE (AGGREGATE BASE)	= 30,245 CU.YD.
WATER	= PRIVATE
SEWER	= PRIVATE

PROPERTY SIZE:

APN: 012-045-40	= ±17.86 ACRES
APN: 012-045-41	= ±36.58 ACRES
APN: 012-059-10	= ±21.83 ACRES
APN: 012-059-11	= ±105.06 ACRES
APN: 012-059-12	= ±40.98 ACRES
APN: 012-059-13	= ±40.67 ACRES
APN: 012-059-14	= ±80.93 ACRES
APN: 012-045-43	= ±79.44 ACRES
APN: 012-045-42	= ±39.50 ACRES
APN: 012-045-39	= ±39.54 ACRES

SHEET INDEX:

C0 - PLOT PLAN, VICINITY MAP, & PROJECT NOTES
C1 - EXISTING AND PROPOSED SITE PLAN
C2 - SECTION VIEWS & PROJECT DRTAILS
C3 - EROSION CONTROL NOTES

DATE	REVISIONS	DRAWN BY

NORTHPOINT CONSULTING GROUP, INC.
1117 Samoa Blvd., Arcata, CA 95521

THE JOEL MICHAELY GROW, LLC.
11450 & 11474 SPRUCE GROVE RD. LOWER LAKE, CA 95457
PLOT PLAN, VICINITY MAP, AND PROJECT NOTES

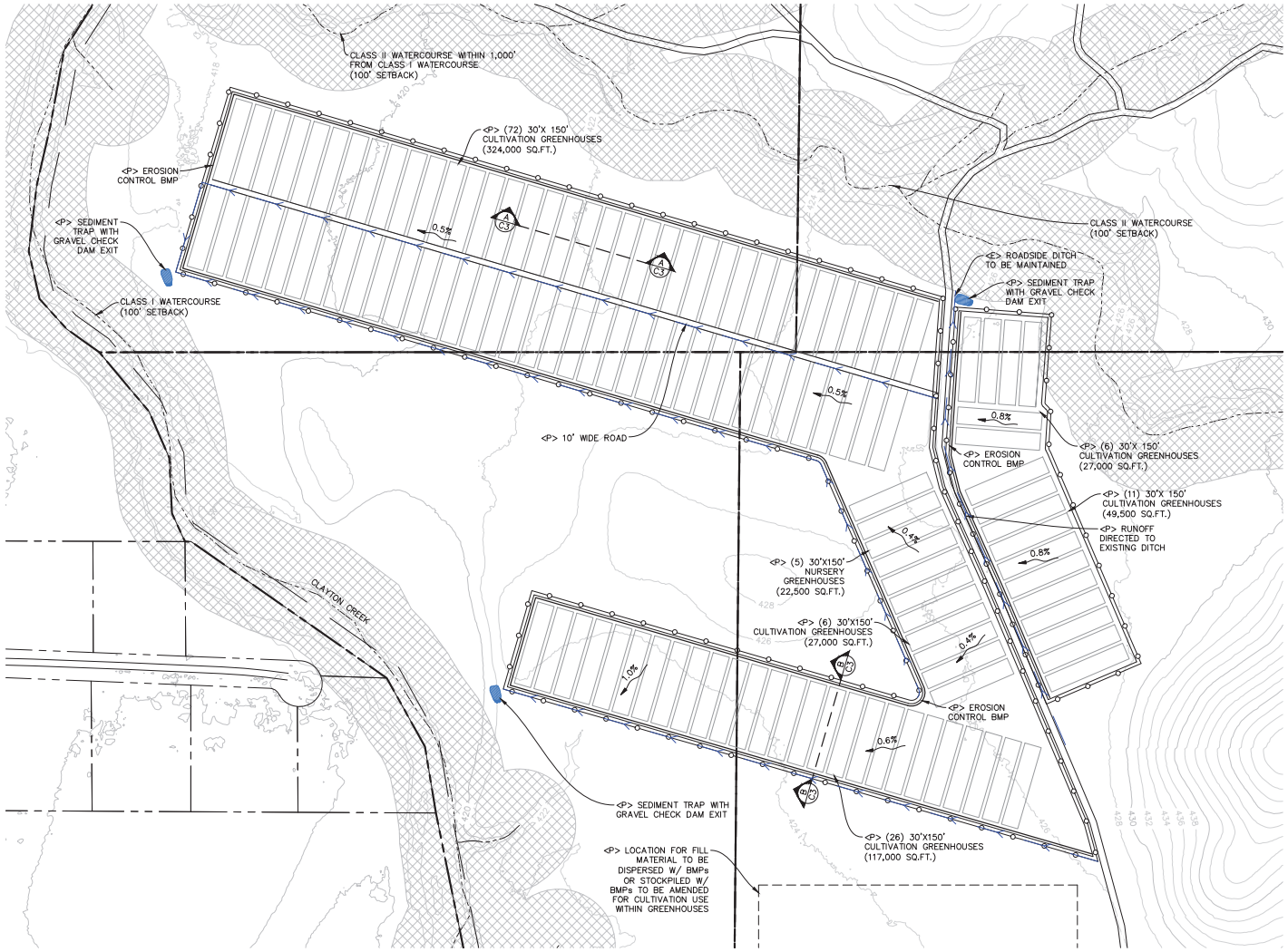
PROJ. MGR.: MA
DRAWN BY: TJS
DATE: 03/04/22
SCALE: AS SHOWN

SHEET
C0
21-118

March 4, 2022 - 15:13 Dwg Name: g:\projects_jobs_ - rec\fig - 21-118\CAD\Rec\fig - Grading Plan.dwg Updated By: ChrisCheng

LEGEND

- <P> FENCE
- <P> V-DITCH
- <P> EROSION CONTROL BMP
- CREEKS
- PROPERTY LINE
- USGS NATIONAL CONTOUR
- EXISTING ACCESS ROAD
- FLOW DIRECTION



PROPOSED CULTIVATION AREA

22x34 SHEET: 1"=100'
11x17 SHEET: 1"=200'

0 50 100 200

N

DATE	REVISIONS	DRAWN BY

NORTHPOINT CONSULTING GROUP, INC.
1117 Samoa Blvd., Arcata, CA 95521

THE JOEL MICHAELY GROW, LLC.
11450 & 11474 SPRUCE GROVE RD. LOWER LAKE, CA 95457
PROPOSED CULTIVATION AREA

PROJ. MGR.: MA
DRAWN BY: TJS
DATE: 03/04/22
SCALE: AS SHOWN

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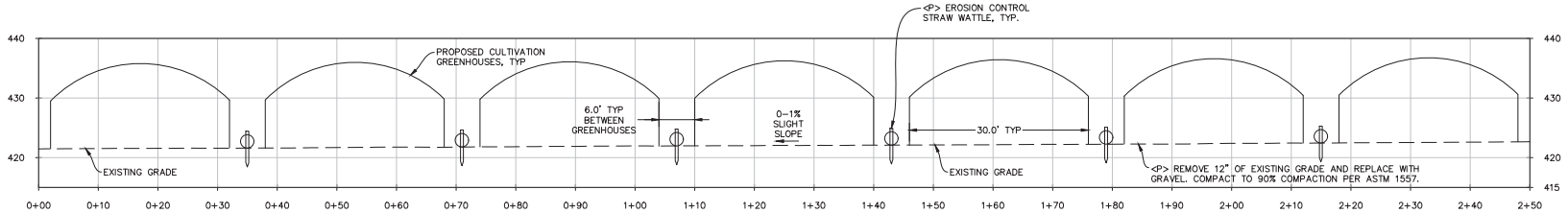
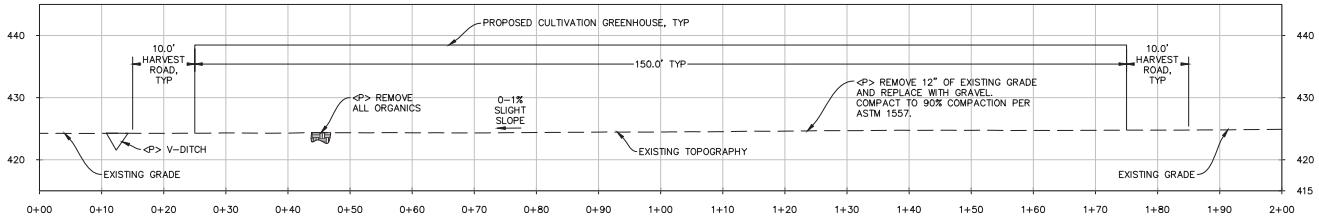


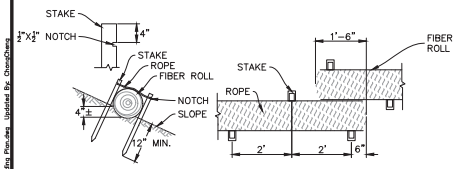
SECTION VIEW A-A

NTS



SECTION VIEW B-B

NTS



BMP STRAW WATTLE

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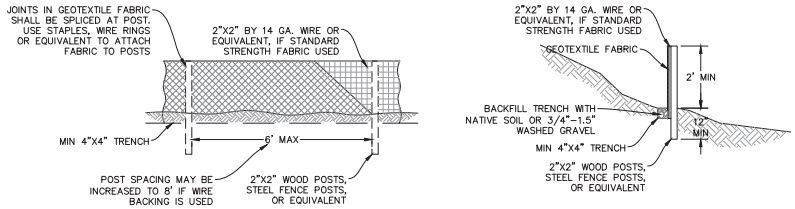

BMP STANDARD SILT FENCE DETAIL

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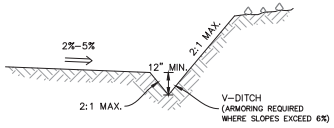

V-DITCH DETAIL

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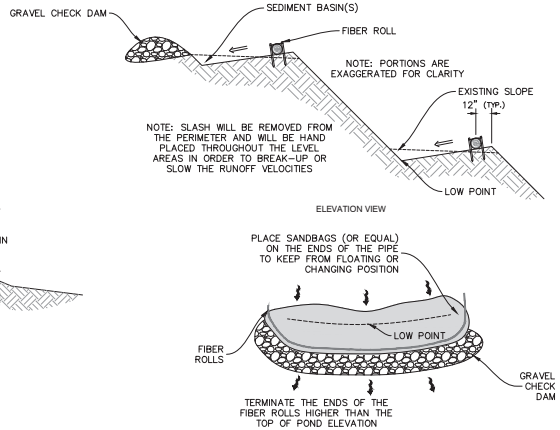

SEDIMENT BASIN DETAIL

N.T.S.

DATE	REVISIONS	DRAWN BY

NORTHPOINT CONSULTING GROUP, INC.
1117 Samoa Blvd., Arcata, CA 95521

THE JOEL MICHAELY GROW, LLC.
11450 & 11474 SPRUCE GROVE RD. LOWER LAKE, CA 95457
SECTION VIEWS AND PROJECT DETAILS

PROJ. MGR.: MA
DRAWN BY: TJS
DATE: 03/04/22
SCALE: AS SHOWN

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THE JOEL MICHAELY GROW, LLC.

EROSION CONTROL NOTES

CONSTRUCTION SITE STORM WATER SOIL LOSS & POLLUTION PREVENTION PLAN (SWPPP)

ENGINEER'S DECLARATION

THIS SWPPP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON CURRENT KNOWLEDGE OF AVAILABLE CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPS) FOR EROSION CONTROL, SEDIMENT CONTROL, AND POLLUTION PREVENTION.

ANNJE DODD, PE #C77765

DATED: 02/04/2022

GENERAL INFORMATION AND REQUIREMENTS

1. EROSION CONTROL, SEDIMENT CONTROL, AND POLLUTION PREVENTION MEASURES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS OF THE CONSTRUCTION SITE EROSION CONTROL ORDINANCE.
2. FOR PURPOSES OF THIS SWPPP, THE SITE CONTRACTOR IS ASSUMED TO BE THE LANDOWNER'S REPRESENTATIVE AND THE ENTITY RESPONSIBLE FOR IMPLEMENTATION OF ALL BMPS.
3. THE SITE CONTRACTOR OWNER SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL BMPS FOLLOWING EACH SIGNIFICANT RAINFALL EVENT (AT A MINIMUM) TO VERIFY THAT ALL MEASURES ARE IN PROPER WORKING ORDER.
4. IN THE EVENT THAT ANY EROSION OR SEDIMENT CONTROL BMP FAILS, THE SITE CONTRACTOR IS RESPONSIBLE FOR IMMEDIATELY REPORTING SUCH A FAILURE TO THE ENGINEER. THE ENGINEER SHALL ADVISE THE SITE CONTRACTOR OF NECESSARY REMEDIAL ACTIONS, AND THE SITE CONTRACTOR SHALL CORRECT THE SITUATION.

EROSION CONTROL BMPS

PROJECT SCHEDULING:

1. SITE GRADING WORK AND OTHER LAND DISTURBING ACTIVITIES SHOULD BE SCHEDULED SO AS TO MINIMIZE THE AMOUNT OF SOIL EXPOSURE AND THE DURATION OF SOIL EXPOSURE TO WIND, RAIN AND VEHICLE TRACKING.
2. SITE CLEARING, GRADING, EXCAVATION, FOUNDATION WORK AND UTILITY INSTALLATION SHOULD BE SEQUENCED SUCH THAT THE AMOUNT OF SOIL EXPOSED TO WIND, RAIN AND VEHICLE TRACKING IS MINIMIZED AT ALL TIMES.
3. ALL GRADING WORK SHALL OCCUR BETWEEN APRIL 15TH AND OCTOBER 15TH. ALL OTHER LAND DISTURBING ACTIVITIES SHOULD BE MINIMIZED OUTSIDE OF THESE DATES.
4. UNLESS OTHERWISE NOTED, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO OCTOBER 15TH AND/OR PRIOR TO ANY RAIN EVENT WITH A 72-HOUR FORECAST OF 40% CHANCE OR GREATER. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING DAILY FORECASTS FOR RAINFALL AS NECESSARY TO COMPLY WITH THIS PROVISION.
5. ALL SOIL STABILIZATION MEASURES INVOLVING THE INSTALLATION OF PHYSICAL DEVICES OR THE PLANTING OF VEGETATION SHALL BE INSTALLED IN ADVANCE OF PREDICTED OR PROBABLE RAINFALL EVENTS AS NECESSARY FOR THOSE MEASURES TO BE EFFECTIVE.

HYDRO-MULCHING / HYDRO-SEEDING:

1. HYDRO-MULCHING AND/OR HYDRO-SEEDING SHOULD BE USED ON DISTURBED AREAS TO PROMOTE SOIL PROTECTION AND RAPID PLANT GROWTH.
2. ALL EXPOSED AREAS SHALL BE HYDRO-MULCHED, HYDRO-SEEDED OR OTHERWISE LANDSCAPED PRIOR TO OCTOBER 15TH.
3. MULCH AND SEED MIXTURES INCLUDE, BUT ARE NOT LIMITED TO WET SLURRIES OF SEED, MULCH FIBER, FERTILIZER AND WATER. ACCEPTABLE MULCH FIBERS INCLUDE: VEGETABLE FIBERS, WOOD BARK CHIPS, HYDRAULIC MULCHES FROM RECYCLED PAPER, HYDRAULIC MULCHES FROM WOOD FIBER AND HYDRAULIC BONDED FIBER MATRICES.
4. ALL MULCH OR SEED MIXTURES SHALL BE APPLIED SUCH THAT COVERAGE IS CONSISTENT, DEEP ENOUGH TO HOLD SEEDS IN PLACE AND TO RETAIN MOISTURE, AND AS OTHERWISE SPECIFIED BY THE MANUFACTURER.
5. ON STEEP SLOPES AND SLOPES SUSCEPTIBLE TO WIND, MULCH AND SEED MIXTURES SHOULD BE HYDRAULICALLY APPLIED OR OTHERWISE APPROPRIATELY ANCHORED.
6. TO PREVENT DISPLACEMENT BY WIND, HYDRAULIC FIBER MULCHES AND/OR TACKIFYING AGENTS MAY BE USED.
7. MULCH AND SEED MIXTURES SHALL BE APPLIED TO ALL EXPOSED AREAS AT LEAST 24-48 HOURS BEFORE EROSION PROTECTION IS NEEDED, OR AS OTHERWISE SPECIFIED BY THE MANUFACTURER.

PRESERVATION OF EXISTING VEGETATION:

1. EXISTING VEGETATION SHOULD BE PRESERVED FOR EROSION AND SEDIMENT CONTROL WHENEVER AND WHEREVER POSSIBLE.
2. AREAS NOT TO BE DISTURBED SHALL BE CLEARLY MARKED AND/OR FENCED PRIOR TO THE COMMENCEMENT OF SOIL-DISTURBING ACTIVITIES, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF THESE AREAS.

SEDIMENT CONTROL BMPS

FIBER ROLLS:

1. FIBER ROLLS SHALL BE INSTALLED AT ALL LOCATIONS INDICATED ON THE SWPPP, AND AT ANY OTHER LOCATION DEEMED NECESSARY BY THE SITE CONTRACTOR.
2. FIBER ROLLS SHOULD BE USED ALONG THE FACE OF EXPOSED SLOPES TO SHORTEN SLOPE LENGTH AND DECREASE FLOW VELOCITY; AT GRADE BREAKS WHERE SLOPES TRANSITION TO STEEPER SLOPES; AND ALONG STREAM BANKS TO ASSIST STABILIZATION, AND IN DRAINAGE SWALES TO SLOW FLOWS. ON 1:1 SLOPES PLACE FIBER ROLLS SPACED AT 10' INTERVALS PARALLEL TO SLOPE, ON 1.5:1 SLOPES PLACE FIBER ROLLS SPACED AT 15' INTERVALS PARALLEL TO SLOPE, AND ON 2:1 SLOPES PLACE FIBER ROLLS SPACED AT 20' INTERVALS PARALLEL TO SLOPE.
3. FIBER ROLLS SHALL CONSIST OF BIODEGRADABLE FIBERS STUFFED INTO A PHOTO-DEGRADABLE OPEN WEAVE NETTING. THEY SHALL BE DESIGNED TO ALLOW WATER TO PASS THROUGH THE FIBERS; TO TRAP SUSPENDED SEDIMENT; INCREASE FILTRATION RATES; AND TO SLOW RUNOFF.
4. FIBER ROLLS SHALL BE PLACED SUCH THAT THEY OVERLAP AND FOLLOW THE CONTOUR LINES OF THE SLOPE ON WHICH THEY ARE PLACED.
5. FIBER ROLLS SHALL BE INSPECTED PERIODICALLY THROUGHOUT THE COURSE OF CONSTRUCTION, ONCE AFTER EACH RAINFALL EVENT, AND ONCE EVERY 24 HOURS DURING EXTENDED RAINFALL EVENTS. ANY SPLIT, TORN, UNRAVELED OR SLUMPING FIBER ROLLS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

LANDSCAPE MANAGEMENT:

1. LANDSCAPE MANAGEMENT MEASURES SHALL BE IMPLEMENTED AS NECESSARY TO REDUCE EROSION, DECREASE SEDIMENT RUNOFF, AND TO PREVENT THE DISCHARGE OF SEDIMENT INTO STORMDRAINS AND WATERCOURSES.
2. ALL LANDSCAPE-RELATED GRADING AND EXCAVATION SHALL BE SCHEDULED FOR DRY WEATHER.
3. ALL EXPOSED AREAS SHALL BE HYDRO-MULCHED, HYDRO-SEEDED OR OTHERWISE LANDSCAPED PRIOR TO OCTOBER 15TH.
4. NATIVE, NON-INVASIVE, DROUGHT-TOLERANT AND PEST-TOLERANT VEGETATION SHOULD BE USED WHENEVER POSSIBLE.
5. NON-TOXIC CHEMICALS SHOULD BE USED WHENEVER POSSIBLE. CHEMICAL USE SHOULD BE LIMITED TO THE MINIMUM AMOUNT NECESSARY.
6. ALL LANDSCAPING AND OTHER STOCKPILED MATERIALS SHALL BE STORED UNDER PROPERLY-ANCHORED TARPS OR OTHER COVERINGS AT ALL TIMES TO PROTECT THEM FROM EXPOSURE TO WIND AND RAIN.
7. ALL RE-VEGETATED AREAS SHALL BE INSPECTED PERIODICALLY THROUGHOUT THE COURSE OF CONSTRUCTION, AND ONCE AFTER EACH RAINFALL EVENT. ANY UNDER-ESTABLISHED AREAS SHOULD BE REPLANTED AS NECESSARY.

POLLUTION PREVENTION BMPS

SPILL PREVENTION AND CONTROL:

1. SPILL PREVENTION AND CONTROL MEASURES SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT THE DISCHARGE OF HAZARDOUS AND NON-HAZARDOUS MATERIALS INTO SITE SOILS, STORM DRAINS, WATERCOURSES. HAZARDOUS AND NON-HAZARDOUS MATERIALS INCLUDE, BUT ARE NOT LIMITED TO FUELS, LUBRICANTS, PAINTS, SOLVENTS, CEMENT, MORTAR, HERBICIDES AND FERTILIZERS.
2. DESIGNATED STORAGE AREAS FOR ALL HAZARDOUS AND NON-HAZARDOUS MATERIALS SHALL BE PROVIDED ON-SITE AS INDICATED ON THE SLPP, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF SUCH AREAS.
3. ALL ON-SITE FLUID CONTAINERS SHALL BE LEAK-PROOF.
4. ANY FUELING AREAS (IF PRESENT) SHALL BE DESIGNATED BY THE SITE CONTRACTOR, SHALL BE LOCATED AWAY FROM STORMDRAINS AND WATERCOURSES, SHALL BE PROPERLY CONTAINED WITH BERMS, SANDBAGS OR OTHER APPROPRIATE BARRIERS, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF SUCH AREAS.
5. ANY CONTAINMENT FACILITIES FOR HAZARDOUS MATERIAL STORAGE (IF PRESENT) SHALL BE DESIGNATED BY THE SITE CONTRACTOR, SHALL BE LOCATED AWAY FROM STORMDRAINS AND WATERCOURSES, SHALL BE PROPERLY CONTAINED WITH BERMS, SANDBAGS OR OTHER APPROPRIATE BARRIERS, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF SUCH FACILITIES.
6. APPROPRIATE SPILL CONTROL PLANS AND CLEANUP MATERIALS FOR EACH FUEL AND CHEMICAL ON-SITE SHALL BE LOCATED NEAR MATERIAL STORAGE, USE AREAS AND FUELING AREAS. CONTROL PLANS AND CLEANUP MATERIALS SHALL BE UPDATED REGULARLY, BASED ON WHICH FUELS AND CHEMICALS ARE PRESENT AND IN USE ON-SITE.
7. WHEN A HAZARDOUS SPILL OCCURS, IMMEDIATELY NOTIFY THE STATE OFFICE OF EMERGENCY SERVICE (OES) AT 1.800.852.7550.

VEHICLE AND EQUIPMENT MAINTENANCE:

1. ALL MAJOR MAINTENANCE, FUELING AND WASHING OF CONSTRUCTION VEHICLES AND EQUIPMENT SHALL BE CONDUCTED OFF-SITE WHENEVER FEASIBLE.
2. ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL BE REGULARLY MAINTAINED AND INSPECTED FOR DAMAGED HOSES, LEAKY GASKETS AND OTHER SERVICE PROBLEMS. ANY NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY.
3. VEHICLE AND EQUIPMENT SERVICE AND STORAGE AREAS (IF PRESENT) SHALL BE DESIGNATED BY THE SITE CONTRACTOR, SHALL BE LOCATED AWAY FROM STORMDRAINS AND WATERCOURSES, SHALL BE PROPERLY CONTAINED WITH BERMS, SANDBAGS OR OTHER APPROPRIATE BARRIERS, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF SUCH AREAS.
4. ANY DRAINING OR REPLACING OF FLUIDS ON-SITE FOR CONSTRUCTION VEHICLES AND EQUIPMENT SHALL EMPLOY DRIP PANS, DRIP CLOTHS, AND OTHER APPROPRIATE EQUIPMENT AS NECESSARY TO COMPLETELY CONTAIN AND TO PROPERLY DISPOSE OF ALL SUCH FLUIDS.
5. VEHICLE AND EQUIPMENT SERVICE AND STORAGE AREAS (IF PRESENT) SHALL BE INSPECTED AT LEAST TWICE WEEKLY. ANY NECESSARY REPAIRS OR UPGRADES TO THESE AREAS OR THEIR ASSOCIATED CONTAINMENT BARRIERS SHALL BE MADE IMMEDIATELY.
6. CONSTRUCTION VEHICLES AND EQUIPMENT SHALL BE WASHED AT COMMERCIAL WASHING FACILITIES WHENEVER POSSIBLE. ANY NECESSARY ON-SITE VEHICLE AND EQUIPMENT WASHING SHALL BE CONDUCTED AT THE DESIGNATED CONCRETE WASHOUT FACILITY, OR OTHER APPROPRIATELY DESIGNATED AND CONTAINED FACILITIES. SOAPS AND CHEMICALS SHALL NOT BE USED FOR SUCH PURPOSES, AND ALL ASSOCIATED RUNOFF SHALL BE DIRECTED TO AREAS WHERE IT WILL BE CONTAINED AND PROPERLY DISPOSED OF, OR WHERE IT WILL SAFELY INFILTRATE INTO THE GROUND.

CONCRETE AND CEMENT DISPOSAL:

1. CONCRETE AND CEMENT DISPOSAL MEASURES SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT THE DISCHARGE OF CEMENTOUS MATERIALS INTO STORM DRAINS AND WATERCOURSES.
2. A DESIGNATED CONCRETE WASHOUT FACILITY PER CALTRANS 2006 STANDARD PLAN T59 SHALL BE PROVIDED AS INDICATED ON THE SWPPP, SHALL BE CLEARLY MARKED AT ALL TIMES, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF SUCH A FACILITY.
3. THE DESIGNATED CONCRETE WASHOUT FACILITY SHALL BE SIZED APPROPRIATELY TO CONTAIN THE MAXIMUM AMOUNT OF EXCESS CONCRETE AND WASH-WATER TO BE GENERATED.
4. EQUIPMENT EXPOSED TO CONCRETE AND OTHER CEMENTOUS MATERIALS ON-SITE SHALL ONLY BE WASHED IN THE DESIGNATED CONCRETE WASHOUT FACILITY.
5. CONCRETE WASHOUT FACILITIES SHALL BE SHALL BE INSPECTED AT LEAST TWICE WEEKLY OR MORE FREQUENTLY AS USE OF THE FACILITIES DICTATES. ANY NECESSARY REPAIRS OR UPGRADES TO SUCH FACILITIES SHALL BE MADE IMMEDIATELY.
6. AT THE END OF CONSTRUCTION ACTIVITIES, OR AS OTHERWISE APPROPRIATE DUE TO PREDICTED RAINFALL, CONCRETE WASHOUT FACILITIES SHALL BE DISMANTLED AND ANY RELATED FLUID OR SOLID WASTES SHALL BE PROPERLY DISPOSED OF.

WATER / RUNOFF CONSERVATION MEASURES:

1. ALL WATER EQUIPMENT SHALL BE KEPT IN GOOD WORKING CONDITION, AND SHALL BE INSPECTED AT LEAST TWICE WEEKLY. ANY LEAKY EQUIPMENT SHALL BE REPAIRED IMMEDIATELY.
2. IRRIGATION CONTROLLERS, IF ANY, SHALL BE SET ACCORDING TO SEASONAL NEEDS.
3. THE SITE CONTRACTOR SHALL AVOID CLEANING CONSTRUCTION AREAS WITH WATER, WHENEVER PRACTICAL, AND SHALL NOT USE SOAPS OR CHEMICALS FOR SUCH PURPOSES. ANY CONSTRUCTION WASH-WATER RUNOFF SHOULD BE DIRECTED TO AREAS WHERE IT WILL BE CONTAINED AND PROPERLY DISPOSED OF, OR WHERE IT WILL SAFELY INFILTRATE INTO THE GROUND.

SILT FENCES: (IF NECESSARY)

1. SILT FENCES SHALL BE INSTALLED AT ANY LOCATION DEEMED NECESSARY BY THE SITE CONTRACTOR.
2. SILT FENCES SHOULD BE USED ALONG THE PERIMETER OF THE PROJECT SITE, ALONG STREAMS AND WATERCOURSES, AT THE BOTTOM OF EXPOSED SLOPES, AND AROUND TEMPORARY SOIL STOCKPILES TO ACT AS A FILTER AND TO SLOW THE FLOW OF SEDIMENT-LADEN RUNOFF. SILT FENCES SHALL NOT BE USED IN STREAMS, CHANNELS OR ON SLOPES.
3. SILT FENCES SHALL BE INSTALLED ALONG LEVEL CONTOURS, WITH THE BOTTOM EDGE OF THE FENCE BELOW GRADE, BACKFILLED, AND POINTING UPSLOPE.
4. THE LENGTH OF SLOPE DRAINING INTO A STRETCH OF SILT FENCING SHOULD BE NO GREATER THAN 100 FEET.
5. ANY SINGLE STRETCH OF SILT FENCING SHOULD BE LIMITED TO 500 FEET IN LENGTH. INDIVIDUAL SILT FENCE SEGMENTS SHOULD NOT BE CONNECTED.
6. THE LAST 6 FEET ON EITHER SIDE OF A SILT FENCE SHOULD BE ORIENTED UPSLOPE IN A "J" OR "L" SHAPE TO ALLOW FOR PONDING.
7. WHEN SEDIMENT BUILD-UP BEHIND A SILT FENCE REACHES ONE-THIRD OF FENCE HEIGHT, THE SEDIMENT SHALL BE REMOVED AND PLACED IN A LOCATION WHERE IT WILL NOT BE CONVEYED TO A WATERCOURSE OR STORMDRAIN SYSTEM.
8. SILT FENCES SHALL BE INSPECTED PERIODICALLY THROUGHOUT THE COURSE OF CONSTRUCTION, ONCE AFTER EACH RAINFALL EVENT, AND ONCE EVERY 24 HOURS DURING EXTENDED RAINFALL EVENTS. ANY UNDERCUT, SPLIT, TORN, OR SLUMPING FENCE SEGMENTS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

GRAVEL / SAND BAG BARRIERS: (IF NECESSARY)

1. GRAVEL AND/OR SAND BAG BARRIERS SHALL BE INSTALLED AT ANY LOCATION DEEMED NECESSARY BY THE SITE CONTRACTOR.
2. GRAVEL OR SAND BAGS SHOULD BE USED ALONG THE PERIMETER OF A CONSTRUCTION SITE OR PARALLEL TO ROADWAYS TO INTERCEPT AND SLOW THE FLOW OF SEDIMENT-LADEN WATER, AND TO KEEP SEDIMENT OFF OF PAVED AREAS. THEY MAY ALSO BE USED TO DIVERT RUNOFF FLOW, OR TO CREATE CHECK DAMS OR TEMPORARY SEDIMENT BASINS.
3. GRAVEL BAGS – NOT SAND BAGS – SHOULD BE USED NEAR STORM DRAIN INLETS TO FILTER WATER WITHOUT PREVENTING IT FROM ENTERING THE STORM DRAIN.
4. GRAVEL OR SAND BAGS SHOULD NOT BE USED TO DETAIN RUNOFF FLOWS WITH HIGH SEDIMENT CONCENTRATIONS.
5. GRAVEL OR SAND BAGS PLACED IN THE FLOW-LINE OF A CURB AND GUTTER SHOULD BE PLACED SUCH THAT THEY CREATE AN L OR J SHAPE FROM THE CURB POINTING UPSLOPE TO CAUSE A PONDING EFFECT.
6. GRAVEL AND SAND BAGS SHOULD NEVER BE PLACED ABOVE THE LEVEL OF A CURB.
7. WHEN SEDIMENT BUILD-UP BEHIND A GRAVEL OR SAND BAG BARRIER REACHES ONE-THIRD OF BARRIER HEIGHT, THE SEDIMENT SHALL BE REMOVED AND PLACED IN A LOCATION WHERE IT WILL NOT BE CONVEYED TO A WATERCOURSE OR STORMDRAIN SYSTEM.
8. GRAVEL AND SAND BAGS SHALL BE INSPECTED PERIODICALLY THROUGHOUT THE COURSE OF CONSTRUCTION, ONCE AFTER EACH RAINFALL EVENT, AND ONCE EVERY 24 HOURS DURING EXTENDED RAINFALL EVENTS. ANY SPLIT, TORN, WASHED OUT OR OTHERWISE DAMAGED BAGS SHOULD BE REPAIRED OR REPLACED IMMEDIATELY.

DUST CONTROL:

1. DUST CONTROL MEASURES SHALL BE IMPLEMENTED AS NECESSARY TO PREVENT SOILS AND DUSTS FROM BEING TRANSPORTED BY WIND. DUST CONTROL MAY BE ACHIEVED BY CHEMICAL AND/OR STRUCTURAL MEANS.
2. CHEMICAL DUST CONTROL MEASURES INCLUDE APPLYING WATER, SALTS OR ORGANIC SPRAY-ON ADHESIVES TO EXPOSED AREAS. EXCESSIVE OR IMPROPER USE OF CHEMICAL DUST CONTROL MEASURERS MAY CAUSE UNWANTED NON-STORM WATER DISCHARGES, AND MUST THEREFORE BE AVOIDED.
3. STRUCTURAL DUST CONTROL MEASURES INCLUDE COVERING EXPOSED AREAS WITH BLANKETS, GEOTEXTILES OR TARPS. SUCH COVERINGS MUST BE PROPERLY ANCHORED TO RESIST HIGH WINDS.
4. DUST CONTROL MEASURES SHALL BE APPLIED TO ALL EXPOSED AREAS AND MATERIALS STOCKPILES DURING ALL PHASES OF CONSTRUCTION BETWEEN INITIAL GROUND DISTURBANCE AND THE COMPLETION OF PAVING, LANDSCAPING, AND SITE CLEANUP.
5. ALL AREAS AND MATERIAL STOCKPILES EXPOSED TO EXCESSIVE WINDS OR VEHICLE TRAFFIC SHOULD BE INSPECTED DAILY FOR ADEQUATE DUST CONTROL. ANY MEASURES DEEMED NECESSARY TO PROTECT SUCH AREAS FROM AIRBORNE DUST AND SOIL LOSS SHOULD BE IMPLEMENTED IMMEDIATELY.

CONSTRUCTION SITE ENTRANCE / EXIT:

1. A STABILIZED CONSTRUCTION SITE ENTRANCE / EXIT SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE SWPPP, AND AT ANY OTHER LOCATION WHERE MUD OR DIRT CAN BE TRACKED ONTO PUBLIC ROADS, OR AS DEEMED NECESSARY BY THE SITE CONTRACTOR TO REDUCE OR ELIMINATE SEDIMENT BEING TRACKED ONTO PUBLIC ROADWAYS BY CONSTRUCTION VEHICLES.
2. ACCESS TO THE CONSTRUCTION SITE SHALL BE LIMITED TO THE DESIGNATED ENTRANCE / EXIT, SHALL BE CLEARLY MARKED AT ALL TIMES, AND ALL CONTRACTORS ON-SITE SHALL BE NOTIFIED OF SUCH DESIGNATED ACCESS.
3. IF A STABILIZED CONSTRUCTION SITE ENTRANCE / EXIT FAILS TO SUFFICIENTLY REDUCE OR ELIMINATE SEDIMENT BEING TRACKED ONTO PUBLIC ROADWAYS BY CONSTRUCTION VEHICLES, ADDITIONAL MEASURES, INCLUDING, BUT NOT LIMITED TO A TIRE WASH MAY BE NECESSARY.
4. ALL STABILIZED CONSTRUCTION ENTRANCES / EXITS SHALL BE INSPECTED PERIODICALLY THROUGHOUT THE COURSE OF CONSTRUCTION, ONCE AFTER EACH RAINFALL EVENT, AND ONCE EVERY 24 HOURS DURING EXTENDED RAINFALL EVENTS. ANY NECESSARY REPAIRS, UPGRADES, OR ADDITIONAL TOPPING MATERIALS SHALL BE APPLIED IMMEDIATELY.

DRAWN BY	REVISIONS	DATE

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