

EROSION AND SEDIMENT CONTROL PLAN NARRATIVE

SITE NAME CENTRAL HIGH SCHOOL

OWNER/DEVELOPER
RAPID CITY AREA SCHOOLS 54-1

ENGINEER RENNER & ASSOCIATES, LLC 816TH SIXTH STREET RAPID CITY, SD 57701 605-721-7310

GENERAL CONTRACTOR

PROJECT DESCRIPTION
THIS ADDITIONS AND REMOVATIONS PROJECT CONSISTS OF THE GRADING OF A TOTAL OF 19 O
ACRES OF THAT, 140 ACRES WILL BE IMPERIOUS AND CONSIST OF SCHOOL BUILDING AND
ACRES OF THAT, 140 ACRES WILL BE IMPERIOUS AND CONSIST OF SCHOOL BUILDING AND
ACPHALT PRANKING LOTS THE REMAINING 5.0 ACRES WILL BE LANDSCAPED OR SEEDED,
FERTILIZED, AND MULCHED.

EXISTING SITE CONDITIONS
THE EXISTING CONTROL HIS
PARKING, WITH AMAINANCE GRASS AND TREES COVERING THE BALANCE. THE SITE GRADUALLY
SLOPES TOWARDS RAPID CREEK THE JAPROVEMENTS WILL RESULT IN THE SAME GENERAL
STE MAKEUP AND SLOPE, BUT WILL RESULT IN ADDITIONAL IMPERVIOUS ARED.

SIGNIFICANT. STORMWATER IMPROVEMENTS
THO STORMWATER TREATMENT AND ATTENUATION PONDS ARE INCLUDED IN THE DESIGN TO
TREAT AND ATTENUATE DIE STORMWATER RUNOFF FROM THE ENTIRE DEVELOPED SITE,
INCLUDING THE EXISTING PAINING AND ROOFS

ADJACENT AREAS
NORTH THE SITE IS BOUNDED ON THE NORTH BY PAVED NORTH STREET WITH RESIDENTIAL
USE MORTH OF THE STREET

EAST: THE EAST SIDE IS BOUNDED BY N. MOUNT RUSHMORE ROAD, A CONCRETE-PAVED STREET, WITH THE CMC CENTER TO THE EAST

SOUTH THE SITE IS BOUNDED ON THE SOUTH BY RAPID CREEK WEST WEST OF THE SITE IS 1-190 RUNNING NORTH TO 1-90

SOIL SEE AMERICAN ENGINEERING TESTING INC. SOILS REPORT OF GEOTECHNICAL EXPLORATION AND REVIEW DATED SEPTEMBER 11, 2009

AREA AND VOLUME DISTURBED TOTAL AREA DISTURBED BY THE PROPOSED WORK IS 19 0 ACRES TOTAL VOLUME OF MATERIAL BEING MOVED IS 24,000 CY

EROSION AND SEDIMENT CONTROL MEASURES
THE EROSION AND SEDIMENT CONTROL PLAN SHOWS THE MINIMUM TYPE AND LOCATION OF
THE EROSION AND SEDIMENT CONTROL MEASURES FOR THE GRADING OF THIS PROJECT

AREA FOR STOCKPLES AND STORMED THERE IS A NET HAUL-OFF QUANTITY. STOCKPILL DOCATIONS SHALL BE DETERMINED DURING CONSTRUCTION AND SHALL BE APPROPRIATELY STRAILED WITH A COMPANION OF WATLES AND SURFACE ROUGHENING SUFFICIENT TO PREVENT SEDIMONT FROM LEAVING THE SITE

EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE INSTALL VEHICLE TRACKING CONTROL

CONSTRUCT THE TWO NEW DETENTION BASINS. THESE PONDS WILL ACT AS THE SEDIMENT BASIN DURING CONSTRUCTION AND SHALL BE RESTORED TO DESIGN GRADES, VOLIMES, AND CONFIGURATIONS AFTER SITE DEVELOPMENT IS COMPLETED AND THE PROJECT IS FINALIZED.

INSTALL SEDIMENT CONTROL COMPOST SOCKS AND SILT FENCE AND EMPLOY SURFACE ROUGHENING, SEEDING, FERTILIZING, AND MULCHING IMMEDIATELY FOLLOWING EMBANKMENT CONSTRUCTION

INSTALL INLET AND OUTLET PROTECTION UPON CONSTRUCTION OF STORM INLETS AND PIPES. THIS MAY REQUIRE MULTIPLE INSTALLATIONS AT THE SAME LOCATION DUE TO CONSTRUCTION ACTIVITIES. REMOVE INLET PROTECTION AFTER ASPHALT SURFACING HAS BEEN INSTALLED.

UPON COMPLETION OF THE BUILDING CONSTRUCTION, APPLY SEED, FERTILIZER AND MULCH TO ALL AREAS NOT COVERED WITH CRAYEL SURFACING, HARD SURFACING, OR BUILDING UPON COMPLETION OF PLANNED DEVELOPMENT AND FINAL STABILIZATION REMOVE COMPOST SOCKS AND OTHER TEMPORARY BMPS THAT MAY HAVE BEEN EMPLOYED AND FILE NOTICE OF TEMPORARY WITH STATE.

PERMANENT STABILIZATION MEASURES INCLUDE OUTLET PROTECTION ON ALL PIPES PERMANENT STABILIZATION MEASURES INCLUDE OUTLET PROTECTION ON ALL PIPES PERMANENT LOUDSCAPING MELDING SEEDING, FERTILIZING, MULICHING, LANDSCAPING AND MEETS. THE REJAINING AREA RAPEO MET METALT SURFACING OF COMSIDERED STABILIZED WHEN THE APPINAL SURFACING MES BEEN INSTABLED.

STORM WATER MANAGEMENT CONSIDERATIONS
TWO NEW DETENTION DISN'S ARE BEING CONSTRUCTED TO ACHIEVE BOX REMOVAL OF
THE NEW DETENTION DISN'S ARE BEING CONSTRUCTED TO ACHIEVE BOX REMOVAL OF
TRUCKE THE FEAK STORM FOR WHICH WAS

MAINTENANCE INSPECTABLE OF THE STATE OF THE

PAVED STREETS ADJACENT TO THE SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY TO REMOVE SEDIMENT BUILDUP FROM CONSTRUCTION ACTIVITIES

<u>SPLL PREVENTION</u>
PETROLEUN PRODUCTS: ONSITE CONSTRUCTION EQUIPMENT WILL BE MONITORED FOR IEARS AND RECEIVE REQUIAR PREVENTIVE MAINTENANCE.
CHEMICAL AND FERTILIZERS, THE USE OF FERTILIZERS IS ANTICIPATED OURING FINAL SEEDING CONCRETE TRUCKS: CONCRETE TRUCKS WILL NOT BE ALLOWED TO DISCHARGE SURPLUS CONCRETE ON THE SITE UNLESS A WASHOUT AREA HAS BEEN DESIGNATED

SPILL CONTROL PRACTICES
CHEMICAL AND PETROLEUM PRODUCT SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL
BE REPORTED TO THE APPROPRIATE FEDERAL, STATE OR LOCAL GOVERNMENT
AGENCY ALL SPILLS WILL BE CLEAVED UP IMMEDIATELY AFTER DISCOVERY

SOR SUPFACE STABILIZATION PRACTICES
AFTER CONSTRUCTION BEGINS, SOIL SUPFACE STABILIZATION SHALL BE APPUED WITHIN 14 DAYS TO
ALL DISTURBED AFEAS THAN TAW MOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED)
FOR PERIODS LONGER THAN 21 CALEDDAR DAYS WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED
ON ANY PORTION OF THE STIP, PERIAMARIN TO REDIFFORMY SOIL SURFACE STABILIZATION SHALL BE
APPUED TO DISTURBED AREAS AND SOIL STOCKPLES

MAXIMUM TIME LIMITS OF LAND	EXPOSURES FOR SELECTION OF EROSION CONTROLS
EROSION CONTROL METHOD	MAXIMUM ALLOWABLE PERIOD OF EXPOSURE (MONTHS)
SURFACE ROUGHENING	
MULCHING	12
TEMPORARY REVEGETATION	12-24
PERMANENT REVEGETATION	24 OR MORE
SOIL STOCKPILE REVEGETATION	2
EARLY APPLICATION OF ROAD BASE	

STE_PLAN

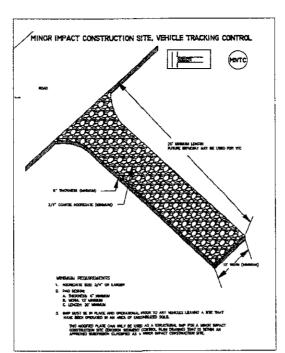
EXISTING CONTIQUES ARE SHOWN AT ONE-FOOT INTERVALS. THE PROPOSED ARE AT ONE-FOOT INTERVALS. THE GRADING DISTURBANCE LIMITS COMPOST SOCKS, VEHICLE TRACKING CONTROL AND OUTLET PROTECTION ARE SHOWN ON THE PLAN.

NOTICE OF INTENT

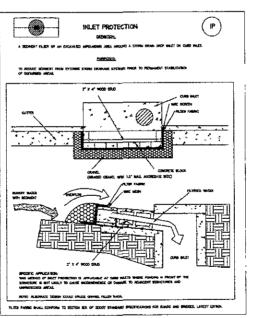
A NOTICE OF INTENT (NOT) HAS BEEN FILED WITH SD-DENR. THE RESPONSIBLE PARTY IS RESPONSIBLE FOR FILMS NOTICE OF TERMINATION WITH SD DENR.

WETLANDS
NO WETLANDS WILL BE IMPACTED WITH THIS PROJECT

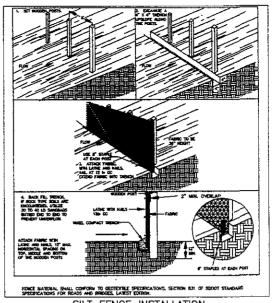
<u>DEWATERING</u> DEWATERING OPERATIONS ARE NOT EXPECTED. IF NEEDED A GENERAL DEWATERING PERMIT WILL BE ANTAINED EDAM SO, NEMP

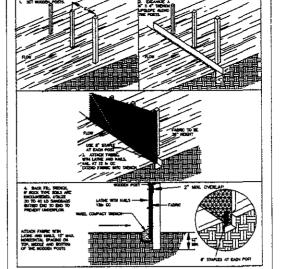


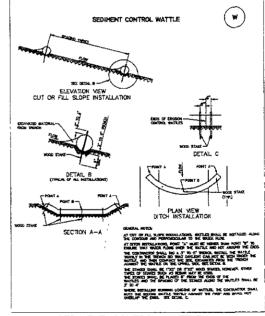
STABILIZED CONSTRUCTION ENTRANCE



INLET PROTECTION







SEDIMENT CONTROL WATTLE

EROSION, AND SEDIMENT CONTROL PLAN CERTIFICATION

THIS EROSION AND SEDIMENT CONTROL NARRATIVE AND ATTACHED EROSION AND SEDIMENT PLAN, APPEARS TO PULFILL THE TECHNICAL CRITERIA AND THE CRITERIA FOR EROSION CONTROL AND THE REPUBLISHENTS OF THE CITY OF RAPP CITY. I INDEDESTAND THAT ADDITIONAL REGISION AND SEDIMENT CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN BROSION PROBLEMS OCCUR OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTEREDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LIND AND BE THE OBJUGATION OF THE RESPONSIBLE PARTY UNTIL SUCH TIME AS THE PLAN SE PROPERLY COMPLETED NOPIEED ON YOUR PLAN SHALL RUN NEW THE COMPLETED NOPIEED ON YOUR PLAN SHALL RUN NEW THE COMPLETED NOPIEED ON YOUR PLAN SHALL RUN NEW THE COMPLETED NOPIEED ON YOUR PLAN SHALL RUN NEW THE PLAN SHALL

OWNER/DEVELOPER DATE GENERAL CONTRACTOR (OPTIONAL)

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AV A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF SOUTH DAKOTA

RAPID CITY AREA SCHOOL DISTRICT #51-4 RAPID CITY, SOUTH DAKOTA E.S.C.P. TEXT

AND DETAILS

CENTRAL HIGH SCHOOL RENOVATIONS AND ADDITIONS

NEUMANN MONSON WICTOR ARCHITECTS

701 DOUGLAS STREET SIDUX CITY, IOWA 51101

FMAIL nmw@nmwerchitects.com

RENNER & ABSOCIATES, LLC.

712 252 0484 FAX

712,255,3610

PROJECT NO 0814 CIVIL #2416 DRAFTER PMM DATE 2/26/2010

DRAWING NO

C1.9

If this drawing is not 30" x 42" it is a reduced print

