CONSTRUCTION PLANS

GRADING AND EROSION CONTROL

FOR

STRIDE ACADEMY EXPANSION ST. CLOUD, MN

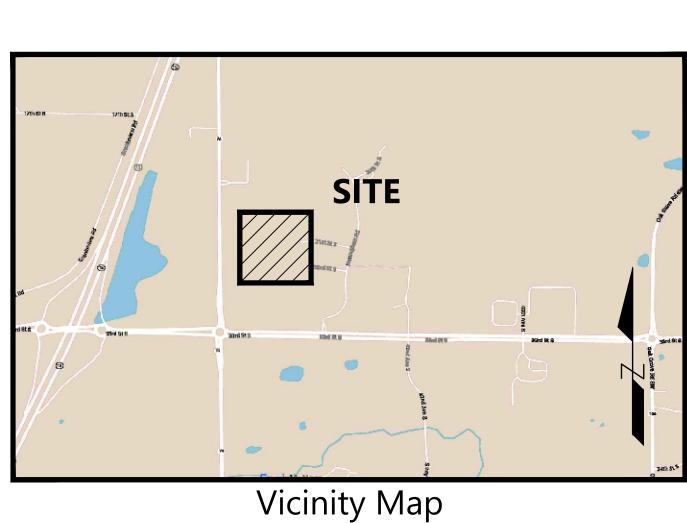
PREPARED FOR: **STRIDE ACADEMY BUILDING COMPANY** 3241 OAKHAM LANE ST. CLOUD, MN 56301 CONTACT: ERIC SKANSON PHONE: . EMAIL: ESKANSON@STRIDEACADEMY.ORG

PREPARED BY:

Westwood

(320) 253-9495 1900 Medical Arts Ave S, Suite 100 Phone (320) 358-2001 Sartell, MN 56377 Fax (800) 270-9495 westwoodps.com Toll Free Westwood Professional Services, Inc.

PROJECT NUMBER: 0043581.00 CONTACT: JOHN S. BLENKER



SHEET INDEX

SHEET TITLE
COVER
EXISTING CONDITIONS &
REMOVALS
SITE PLAN
GRADING PLAN
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SWPPP NARRATIVE
SWPPP NOTES
DETAILS

NO.	DATE	REVISION	SHEETS
1	07/03/2024	REDUCED PROJECT SCOPE	ALL
2	09/12/24	CLIENT COMMENTS	ALL
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CONSTRUCTION PLANS FOR

FOR

ST. CLOUD, MN

INITIAL SUBMITTAL DATE: 07/03/2024 SHEET: C001

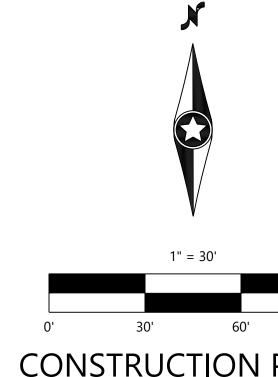
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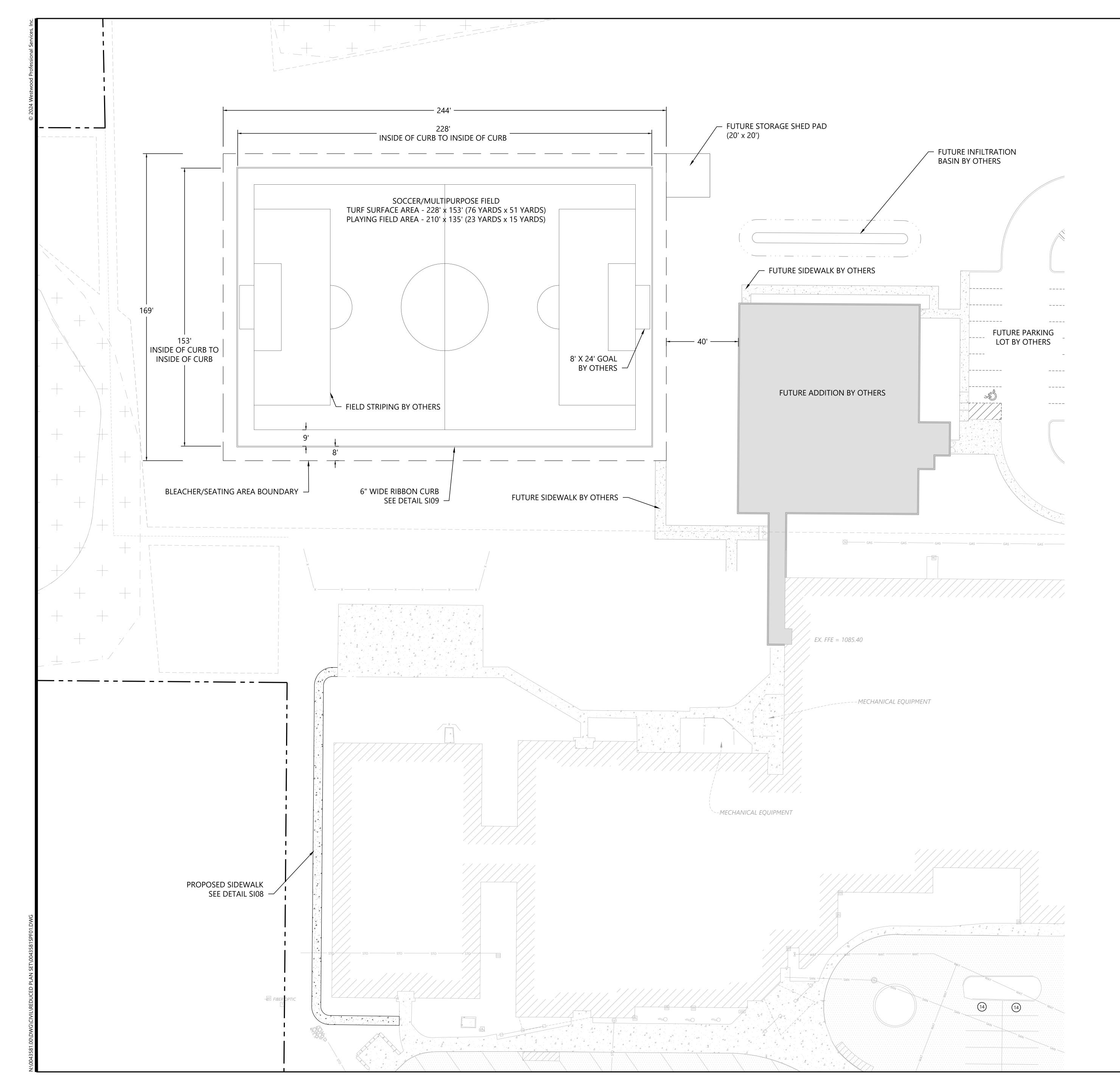
STRIDE ACADEMY EXPANSION

GRADING AND EROSION CONTROL



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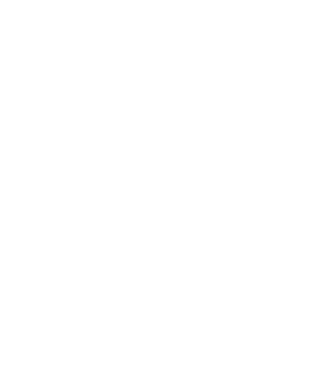


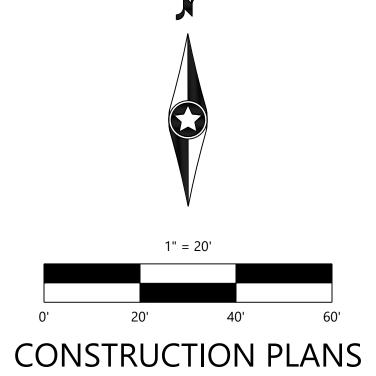
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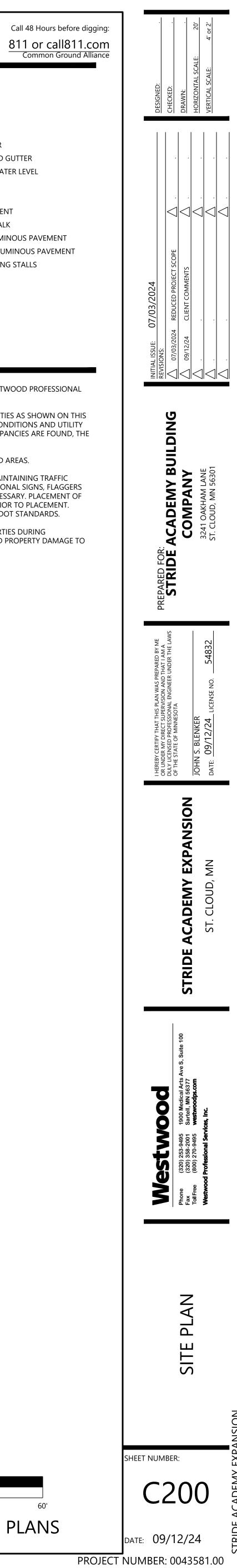
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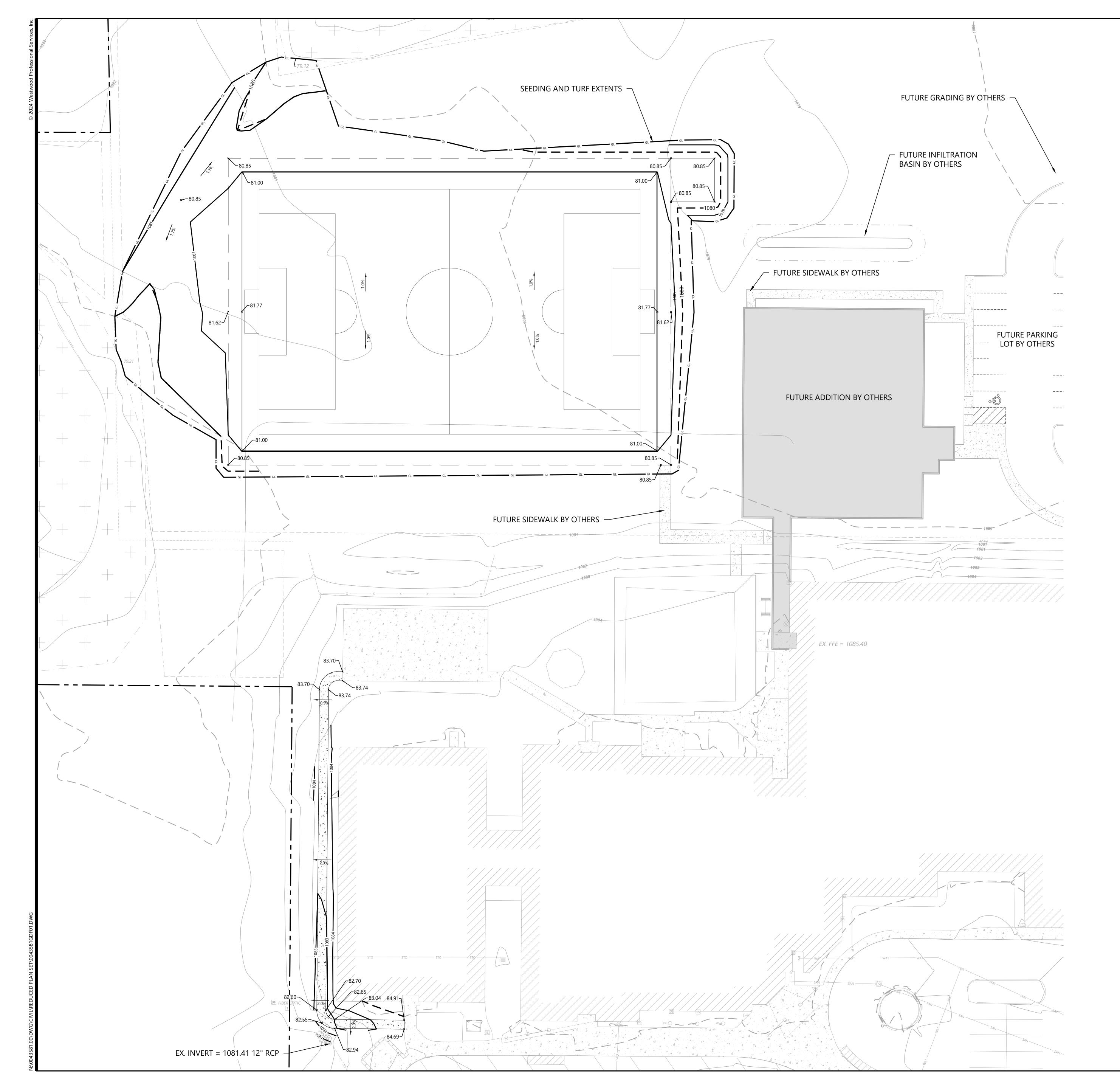
GENERAL SITE NOTES

- 1. BACKGROUND INFORMATION FOR THIS PROJECT PROVIDED BY WESTWOOD PROFESSIONAL SERVICES, ST. CLOUD, MN, 05/05/2023.
- 2. LOCATIONS AND ELEVATIONS OF EXISTING TOPOGRAPHY AND UTILITIES AS SHOWN ON THIS PLAN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND UTILITY LOCATIONS PRIOR TO EXCAVATION/CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND, THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.
- 3. REFER TO BOUNDARY SURVEY FOR LOT BEARINGS, DIMENSIONS AND AREAS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGGERS AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE CITY AND ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO APPROPRIATE MNDOT STANDARDS.
- 5. CONTRACTOR SHALL MAINTAIN FULL ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES.

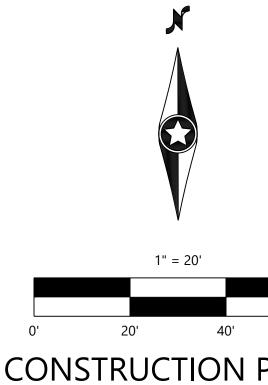






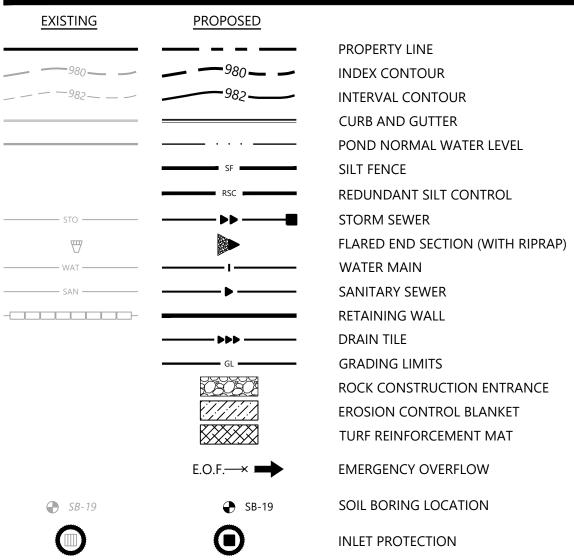


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 LINE UNLESS OTHER GRADE. 8. CONTRACTOR SHALL GRADING AND UTILI ALL EXCESS SOIL MA AGENCIES. 9. ALL CONSTRUCTION NATIONAL POLLUTA 10. EMBANKMENT MATH SHALL BE COMPACT COMPACTION METH 11. ALL SOILS AND MAT GEOTECHNICAL ENG UNSUITABLE SOILS S CONTRACTOR SHALL 	RWISE NOTED. PROPOSE L DISPOSE OF ANY EXCESS ITY CONSTRUCTION IS CON ATERIAL IN A MANNER ACC I SHALL CONFORM TO LOC NT DISCHARGE ELIMINATIO ERIAL NOT PLACED IN THE ED IN ACCORDANCE WITH IOD AS OUTLINED IN MND FERIALS TESTING SHALL BE SINEER. EXCAVATION FOR T SHALL BE COMPLETED AS R	SOIL MATERIAL THAT EXISTS AFTER THE SITE MPLETED. THE CONTRACTOR SHALL DISPOSE OF CEPTABLE TO THE OWNER AND THE REGULATING CAL, STATE AND FEDERAL RULES INCLUDING THE ON SYSTEM (NPDES) PERMIT REQUIREMENTS. BUILDING PAD, STREETS OR PARKING AREA, REQUIREMENTS OF THE ORDINARY OT 2105.3F2. COMPLETED BY AN INDEPENDENT THE PURPOSE OF REMOVING UNSTABLE OR EQUIRED BY THE GEOTECHNICAL ENGINEER. THE ORDINATING ALL REQUIRED SOILS TESTS AND	STRIDE ACDEMY EXPANSION STRIDE ACDEMY EXPANSION STRIDE ACDEMY EXPANSION STRIDE ACDEMY EXPANSION ST. CLOUD, MN ST. CLOUD, MN
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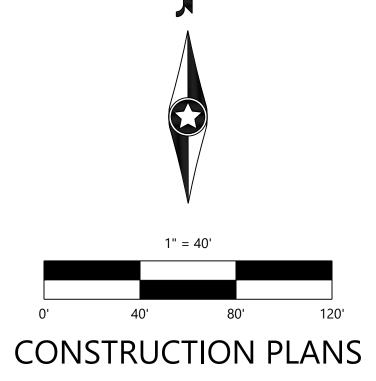


EROSION CONTROL LEGEND



GENERAL EROSION CONTROL NOTES

- . THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND LIMITED MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION SHALL NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OR ENGINEER OF DISCREPANCIES.
- 2. ALL SILT FENCE AND OTHER EROSION CONTROL FEATURES SHALL BE IN-PLACE PRIOR TO ANY EXCAVATION/CONSTRUCTION AND SHALL BE MAINTAINED UNTIL VIABLE TURF OR GROUND COVER HAS BEEN ESTABLISHED. EXISTING SILT FENCE ON-SITE SHALL BE MAINTAINED AND OR REMOVED AND SHALL BE CONSIDERED INCIDENTAL TO THE GRADING CONTRACT. IT IS OF EXTREME IMPORTANCE TO BE AWARE OF CURRENT FIELD CONDITIONS WITH RESPECT TO EROSION CONTROL. TEMPORARY PONDING, DIKES, HAYBALES, ETC., REQUIRED BY THE CITY SHALL BE INCIDENTAL TO THE GRADING CONTRACT.
- EROSION AND SILTATION CONTROL (ESC): THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL THE EROSION AND SILTATION INCLUDING BUT NOT LIMITED TO: CATCH BASIN INSERTS, CONSTRUCTION ENTRANCES, EROSION CONTROL BLANKET, AND SILT FENCE. ESC SHALL COMMENCE WITH GRADING AND CONTINUE THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER. THE CONTRACTOR'S RESPONSIBILITY INCLUDES ALL IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER MAY DIRECT THE CONTRACTOR'S METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITION OF SILT OR MUD ON NEW OR EXISTING PAVEMENT OR IN EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN EVENT. AFFECTED AREAS SHALL BE CLEANED TO THE SATISFACTION OF THE OWNER, ALL AT THE EXPENSE OF THE CONTRACTOR. ALL TEMPORARY EROSION CONTROL SHALL BE REMOVED BY THE CONTRACTOR AFTER THE TURF IS ESTABLISHED.
- 4. ALL STREETS DISTURBED DURING WORKING HOURS MUST BE CLEANED AT THE END OF EACH WORKING DAY. A CONSTRUCTION ENTRANCE TO THE SITE MUST BE PROVIDED ACCORDING TO DETAILS TO REDUCE TRACKING OF DIRT ONTO PUBLIC STREETS.
- 5. ALL UNPAVED AREAS ALTERED DUE TO CONSTRUCTION ACTIVITIES MUST BE RESTORED WITH SEED AND MULCH, SOD, EROSION CONTROL BLANKET OR BE HARD SURFACE WITHIN 2 WEEKS OF COMPLETION OF CONSTRUCTION.
- 6. THE SITE MUST BE STABILIZED PER THE REQUIREMENTS OF THE MPCA, NPDES, MNDOT, AND CITY.
- A. TEMPORARY (GREATER THAN 1-YEAR) SEED SHALL BE MNDOT SEED MIX 22-111 AT 30.5-POUNDS PER ACRE.
- В. TEMPORARY (LESS THAN 1-YEAR) SEED SHALL BE MNDOT SEED MIX 21-112 (FALL) OR 21-111 (SPRING/SUMMER) AT 100-POUNDS PER ACRE
- C. GENERAL SEEDING SHALL BE MNDOT SEED MIX 25-151 AT 70-POUNDS PER ACRE.
- D. MULCH SHALL BE MNDOT TYPE 1 APPLIED AT 2-TONS PER ACRE.
- 9. FOR AREAS WITH SLOPE OF 3:1 OR GREATER, RESTORATION WITH SOD OR EROSION CONTROL BLANKET IS REQUIRED.
- 10. ALL TEMPORARY STOCKPILES MUST HAVE SILT FENCE INSTALLED AROUND THEM TO TRAP SEDIMENT.
- 11. ALL PERMANENT PONDS USED AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION SHALL BE DREDGED AFTER THE SITE HAS BEEN STABILIZED TO RESTORE THE POND TO THE PROPOSED BOTTOM ELEVATION.
- 12. ALL CONSTRUCTION SHALL CONFORM TO LOCAL AND STATE RULES INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
- 13. THE SITE MUST BE KEPT IN A WELL-DRAINED CONDITION AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY DITCHES, PIPING OR OTHER MEANS REQUIRED TO INSURE PROPER DRAINAGE DURING CONSTRUCTION. LOW POINTS IN ROADWAYS OR BUILDING PADS MUST BE PROVIDED WITH A POSITIVE OUTFLOW.



120' PLANS PROJECT							Call 48 Hours before digging: 811 or call811.com Common Ground Alliance
C400 DATE: 09/12/24 NUMBER: 0043581.00	SHEET NUMBER:	Phone(320)253-94951900 Medical Arts Ave S, Suite 100Phone(320)358-2001Sartell, MN 56377Fax(320)370-9495westwoodps.comFax(800)270-9495westwoodps.comWestwood Professional Services, Inc.	STRIDE ACADEMY EXPANSION ST. CLOUD, MN	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA JOHN S. BLENKER DATE: 09/12/24 LICENSE NO. 54832	PREPARED FOR: STRIDE ACADEMY BUILDING COMPANY 3241 OAKHAM LANE 51. CLOUD, MN 56301	INITIAL ISSUE: 07/03/2024 REVISIONS: 07/03/2024 REDUCED PROJECT SCOPE 09/12/24 CLIENT COMMENTS 09/12/24 CLIENT COMMENTS	DESIGNED:
	STRIDE ACADEMY EXPANSION						-

SWPPP NARRATIVE

THE SWPPP IS PREPARED IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REGULATIONS AS ESTABLISHED BY THE CLEAN WATER ACT. THE MINNESOTA POLLUTION CONTROL AGENCY'S CONSTRUCTION GENERAL PERMIT MN R100001 (CSGP) (EXPIRATION DATE: JULY 31, 2023) PROVIDES A FRAME WORK OF REQUIREMENTS FOR COMPLIANCE TO DISCHARGE STORMWATER FROM A CONSTRUCTION SITE.

- THE SWPPP IS FOR IMPLEMENTATION BY THE OWNER AND OPERATOR, AS LISTED BELOW, AT STRIDE ACADEMY EXPANSION. THIS REPORT SHALL BE ON THE SITE AT ALL TIMES DURING CONSTRUCTION. THE OWNER MUST ALSO KEEP THIS SWPPP ON FILE FOR THREE YEARS AFTER SUBMITTAL OF THE NOTICE
- OF TERMINATION. THE FOLLOWING ARE OUTLINED IN THIS SWPPP: - CONTROL MEASURES FOR STORM WATER POLLUTION PREVENTION PRIOR TO AND DURING CONSTRUCTION

SWPPP INSPECTION:

- CONTROL MEASURES FOR STORM WATER POLLUTION PREVENTION AFTER CONSTRUCTION - SOURCES OF STORMWATER AND NON-STORMWATER POLLUTION - INSPECTION AND MAINTENANCE PROCEDURES

THE GRADING AND EROSION CONTROL PLAN PREPARED FOR STRIDE ACADEMY EXPANSION SHALL BE CONSIDERED PART OF THE SWPPP.

THIS DOCUMENT PRESENTS A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) FOR STRIDE ACADEMY EXPANSION IN ST. CLOUD, MN. THE SITE IS LOCATED IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF COUNTY ROAD 74 AND 33RD STREET SOUTH.

PROJECT CONTACT INFORMATION OWNER/DEVELOPER: CONTRACTOR: STRIDE ACADEMY BUILDING COMPANY ERIC SKANSON 3241 OAKHAM LANE ST. CLOUD, MN 56301 ESKANSON@STRIDEACADEMY.ORG IDENTIFY PERSONNEL INVOLVED WITH THE PROJECT AND THEIR RELATED NECESSARY TRAINING COMMENSURATE WITH THEIR TASK PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

BMP INSTALLER:

WESTWOOD PROFESSIONAL SERVICES CADEN WEBB

SWPPP DESIGNER:

12701 WHITEWATER DR. STE. 300 952-937-5150

CADEN.WEBB@WESTWOODPS.COM UNIV. OF MINN. DESIGN OF SWPPP

OWNER/OPERATOR RESPONSIBILITIES

-DEVELOPMENT OF SWPPP PRIOR TO APPLICATION/NOI SUBMITTAL -SUBMIT A COMPLETE AND ACCURATE APPLICATION FORM (NOI)

-COMPLIANCE WITH ALL TERMS AND CONDITIONS OF CONSTRUCTION GENERAL STORMWATER PERMIT -SWPPP SUBMITTAL FOR 30 DAY REVIEW FOR PROTECT GREATER THAN 50 ACRES & DISCHARGING TO SPECIAL/IMPAIRED WATERS WITHIN 1 MILE OF SITE DISCHARGE. -KEEPING PERMIT COVERAGE UP-TO-DATE (TRANSFER/SUBDIVISION)

-SUBMIT NOTICE OF TERMINATION (NOT) WITHIN 30 DAYS AFTER ALL PERMIT TERMINATION CONDITIONS AS LISTED IN SECTION 13 ARE COMPETE -SUBMIT NOTICE OF TERMINATION (NOT) WITHIN 30 DAYS OF MEETING REQUIREMENTS OF FINAL STABILIZATION -IDENTIFY WHO HAS LONG TERM OPERATION AND MAINTENANCE RESPONSIBILITY OF THE PERMANENT STORMWATER SYSTEM. -DEVELOP CHAIN OF RESPONSIBILITY WITH ALL OPERATORS TO ENSURE NPDES COMPLIANCE.

-IDENTIFY TRAINED PERSONNEL TO DEVELOP THE SWPPP, INSTALL AND MAINTAIN BEST MANAGEMENT PRACTICES, AND OVERSEE THE SWPPP AND CONDUCT INSPECTIONS OPERATOR

-COMPLETION OF AN ACCURATE NOI WITH THE OWNER -COMPLIANCE WITH CSGP SECTIONS 3, 4, 6-22, 24 AND ANY APPLICABLE REQUIREMENTS FOR CONSTRUCTION ACTIVITY IN SECTION 23 (MINN. R. 7090) -KEEPING THE PERMIT UP-TO-DATE WITH THE OWNER (PARTIAL, WHOLE, CONTRACTOR, BUILDER, ETC) -COMPLETE AND SIGN APPLICATIONS FOR PERMIT TRANSFER AND MODIFICATION AND NOTICE OF TERMINATION WITH OWNER AS NEEDED.

PROJECT DESCRIPTION THE SITE IS APPROXIMATELY 1.28 ACRES. CONSTRUCTION WILL CONSIST OF, BUT IS NOT LIMITED TO A SOCCER FIELD AND SIDEWALK.

PROJECT AREA = 1.28 AC DISTURBED AREA = 1.28 AC

EXISTING IMPERVIOUS AREA = 0.00 AC PROPOSED IMPERVIOUS AREA = 0.03 AC

PRE-DEVELOPMENT SITE CONDITIONS THE SCHOOL SITE HAS BEEN PREVIOUSLY DEVELOPED AND INCLUDES A BASKETBALL COURT, PARKING AREAS, AND STORMWATER BASINS. THE AREAS NORTH OF THE SCHOOL ARE CURRENTLY USED FOR AGRICULTURE PURPOSES. THERE ARE TWO EXISTING WETLANDS NORTH AND WEST OF THE PROPOSED DEVELOPMENT.

MOST OF THE AREA NORTH OF THE EXISTING SCHOOL DRAINS NORTH OVERLAND TO THE NORTHERN WETLAND. A SMALL PORTION OF THE PROJECT AREA DRAINS TO THE EXISTING INFILTRATION BASIN NORTH OF THE BASKETBALL COURT. THIS BASIN OVERFLOWS WEST TO THE EXISTING WETLAND WEST OF THE PROJECT AREA, AND ULTIMATELY TO NEENAH CREEK. GREENSPACE AND AGRICULTURAL AREA NORTH OF THE INFILTRATION BASIN FLOWS OVERLAND TO THE WESTERN WETLAND.

SOIL TYPES SOIL BORINGS OBTAINED BY BRAUN INTERTEC ON 6/14/2023 INDICATE SILTY SANDY TOPSOIL OVERLAYING POORLY GRADED SANDS WITH SILT IN PROPOSED INFILTRATION AREAS. REFER TO GEOTECHNICAL REPORT DATED 06/14/2023 COMPLETED BY BRAUN INTERTEC.

POST-DEVELOPMENT SITE CONDITIONS THE PROPOSED DEVELOPMENT WILL CONSIST OF A SOCCER FIELD AND A SIDEWALK.

STORM WATER MANAGEMENT PLAN THE PERMANENT STORM WATER MANAGEMENT PLAN WILL CONSIST OF RUNOFF FROM THE PROPOSED SOCCER FIELD WILL FLOW TO THE EXISTING WETLANDS TO THE NORTH AND NORTHWEST OF THE PROJECT AREA. RUNOFF FROM THE PROPOSED SIDEWALK ADDITION WILL FLOW TO AN EXISTING STORM SEWER INLET WHICH WILL FLOW TO THE EXISTING POND TO THE SOUTH OF THE SITE. ALL RUNOFF WILL ULTIMATELY FLOW TO NEENAH CREEK. REFER TO THE STRIDE ACADEMY EXPANSION STORMWATER MANAGEMENT REPORT FOR MORE INFORMATION REGARDING THE PRE-DEVELOPMENT SITE CONDITIONS, POST-DEVELOPMENT SITE CONDITIONS, DRAINAGE AREA MAPS, AND STORM WATER MANAGEMENT CALCULATIONS.

THE SITE STORM WATER DETENTION FACILITY WILL BE CONSTRUCTED TO MEET OR EXCEED LOCAL, STATE AND FEDERAL REQUIREMENTS.

TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMP'S ALONG WITH THE PROCEDURES TO BE USED TO ESTABLISHED ADDITIONAL TEMPORARY BMP'S AS NECESSARY FOR SITE CONDITIONS DURING CONSTRUCTION ARE IDENTIFIED ON THE SITE GRADING AND EROSION CONTROL PLAN PREPARED FOR THE DEVELOPMENT OF THIS PROJECT, AND WITHIN THE PROJECT STORM WATER POLLUTION PREVENTION PLAN.

POTENTIAL STORM WATER POLLUTANTS

SURFACE WATERS WITHIN 1 MILE OF THE PROJECT SITE IMPAIRED (Y/N) SPECIAL (Y/N) DISTANCE AND DIRECTION FROM SITE NEENAH CREEK STREAM N 0.5 MI SOUTH

POTENTIAL POLLUTANT SOURCES, INCLUDING CONSTRUCTION AND WASTE MATERIALS THAT ARE USED OR STORED AT THE SITE, ARE DESCRIBED IN THE SECTION. BY IMPLEMENTATION OF THESE BMPS, THE POTENTIAL POLLUTANT SOURCES ARE NOT REASONABLY EXPECTED TO AFFECT THE STORM WATER DISCHARGES FROM THE SITE.

CONSTRUCTION MATERIALS, CHEMICALS AND WASTE MATERIALS THAT WILL BE USED OR STORED AT THE SITE:

OTENTIAL POLLUTANT	LOCATION	CONTROL MEASURE
NTIFREEZE	VARIOUS	SECONDARY CONTAINMENT / DRIP PAN
IESEL FUEL	VARIOUS	SECONDARY CONTAINMENT / DRIP PAN
ERTILIZER	LANDSCAPE CONTRACTOR	SECONDARY CONTAINMENT
ASOLINE	IN EQUIPMENT/FUELING AREA	SECONDARY CONTAINMENT / DRIP PAN
LUE/ADHESIVES	CONTRACTOR	SECONDARY CONTAINMENT
YDRAULIC OILS/FLUIDS	CONTRACTOR	SECONDARY CONTAINMENT
AINTS	CONTRACTOR	SECONDARY CONTAINMENT
REASE	CONTRACTOR	SECONDARY CONTAINMENT / DRIP PAN
ANITARY WASTE	PORTABLE BATHROOMS	SERVICE PROVIDER TO SECURE UNITS FROM
		TIPPING OVER AND MAINTAINED
OIL AMENDMENTS	VARIOUS	SECONDARY CONTAINMENT
ANDSCAPING MATERIALS	LANDSCAPE CONTRACTOR	CONTRACTOR RESPONSIBLE
ONCRETE	TRUCK WASHOUT	WASHOUT AREA
ONCRETE / MORTAR	MOBILE MIXER	S.C. / WASHOUT AREA

CONSTRUCTION SEQUENCE

THE INTENDED SEQUENCING OF MAJOR SITE CONSTRUCTION ACTIVITIES IS AS FOLLOWS: 1. INSTALL PERIMETER CONTROL DEVICES (SILT FENCE, BIO-LOGS, ETC.) AND INLET PROTECTION TO EXISTING STRUCTURES AS SHOWN ON PLAN. INSTALL TREE PROTECTION FENCE AS SHOWN ON PLAN.

INSTALL STABILIZED ROCK CONSTRUCTION ENTRANCE. CLEAR AND GRUB SITE.

STRIP AND STOCKPILE TOPSOIL. ROUGH GRADE OF SITE.

STABILIZE DENUDED AREAS AND STOCKPILES. INSTALL SANITARY SEWER, WATERMAIN, STORM SEWER AND SERVICES.

8. INSTALL INLET PROTECTION AROUND CATCH BASINS. 9. INSTALL STREET SECTION.

10. INSTALL CURB AND GUTTER. 11. INSTALL PAVEMENT.

12. INSTALL SMALL UTILITIES (GAS, ELECTRIC, PHONE, CABLE, ETC.) 13. FINE GRADE BOULEVARD, LANDSCAPE AREAS, SEED AND MULCH.

14. REMOVE ACCUMULATED SEDIMENT. 15. FINAL GRADE.

16. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED BY EITHER SEED OR SOD AND LANDSCAPING, REMOVE SILT FENCE AND RESEED ANY AREAS DISTURBED BY THE REMOVAL.

T IS HIGHLY RECOMMENDED THAT THE CONTRACTOR MAINTAIN A STOCKPILE OF EROSION CONTROL DEVICES AND SEDIMENT CONTROL BMP'S ON SITE AT ALL TIMES FOR IMMEDIATE USAGE. IN THE EVENT OF AN ACCIDENTAL SEDIMENT DISCHARGE TO WATERS OF THE STATE, OR ANY DISCHARGE OF HAZARDOUS MATERIAL OF REPORTABLE QUANTITY, CONTACT THE MPCA STATE DUTY OFFICER AT 1-800-422-0798.

TIMING OF BMP INSTALLATION

THE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S SHALL BE INSTALLED TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ON SITE. THE FOLLOWING LIST DEFINES THE TIMING OF EROSION PREVENTION AND SEDIMENT CONTROL MEASURES IN SPECIFIC AREAS. PRIOR TO START OF CONSTRUCTION

THE FOLLOWING EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE SHOWN IN THE PLANS AND SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION: 1. INSTALL SILT FENCE OR OTHER SEDIMENT CONTROL AROUND THE PERIMETER OF AREAS TO BE GRADED AND ALL AREAS WHICH ARE NOT TO BE

DISTURBED AS SHOWN ON THE GRADING AND EROSION CONTROL PLAN. 2. CONSTRUCT GRAVEL CONSTRUCTION ENTRANCES AT FIELD ENTRANCES TO THE SITE AS SHOWN ON THE CONSTRUCTION PLANS. 3. INLET PROTECTION IS TO BE INSTALLED AT ALL STORM WATER INLETS WHICH HAVE THE POTENTIAL TO RECEIVE STORM WATER RUNOFF FROM THE CONSTRUCTION SITE WITHIN 200 FEET OF LIMITS OF CONSTRUCTION. 4. INSTALL SILT FENCE OR OTHER SEDIMENT CONTROL AROUND ALL TEMPORARY INACTIVE STOCKPILES. ALL SILT FENCES FOR STOCKPILES SHALL BE INCIDENTAL TO GRADING CONTRACT IF STOCKPILES ARE PLACED OUTSIDE OF SILT FENCES SHOWN ON THE PLAN.

DURING CONSTRUCTION

THE FOLLOWING EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE SHOWN IN THE PLANS AND SHALL BE IMPLEMENTED DURING CONSTRUCTION: 1. PHASE GRADING WORK TO MINIMIZE THE DURATION THAT ANY DISTURBED SOIL IS EXPOSED.

ALL DISTURBED AREAS SHALL HAVE TEMPORARY PROTECTION OR PERMANENT COVER OVER EXPOSED SOIL AREAS IF NOT BEING ACTIVELY GRADED AND/OR IF NOT AT FINAL GRADE WITHIN **7 DAYS** OF DISTURBANCE ACTIVITY TEMPORARILY OR PERMANENTLY CEASING. TEMPORARY SEED MIX 22-111, APPLIED AT A RATE OF 30.5 LBS/ACRE, SHALL BE USED PRIOR TO WINTER, IF SITE NOT SODDED. STRIP AND STOCKPILE TOPSOIL FOR REPLACEMENT OF 6 INCHES OF TOPSOIL OVER TURF AREAS WHEN GRADING IS COMPLETE.

4. PLACE A MINIMUM OF 2 TONS/ACRE OF STRAW ON ALL AREAS AFTER REACHING FINAL GRADE WITH TOPSOIL AND ANCHOR STRAW WITH EITHER A STRAIGHT DISK, HYDROMULCH OR POLYMER. 5. STABILIZATION OF TEMPORARY OR PERMANENT DRAINAGE DITCHES THAT DRAIN WATER FROM THE CONSTRUCTION SITE MUST BE INITIATED

WITHIN 24 HOURS OF CONNECTING THE DRAINAGE DITCH TO ANY CONVEYANCE SYSTEM THAT DISCHARGES TO SURFACE WATERS. THE FIRST 200 LINEAR FEET MUST BE STABILIZED WITHIN 24 HOURS. THE REMAINING DITCH SHALL BE STABILIZED WITHIN 7 DAYS. 6. INSTALL SILT FENCE AROUND ALL TEMPORARY INACTIVE STOCKPILES WHICH ARE NOT PLACED WITHIN EXISTING SILT FENCES OR OTHER PERIMETER CONTROLS.

TEMPORARY OR PERMANENT ENERGY DISSIPATION AT PIPE APRON OUTLETS WILL BE PLACED PRIOR TO BUT NO SOONER THAN 7 DAYS BEFORE APRON IS INSTALLED. RIPRAP SHALL BE INSTALLED UNDER APRON LIP ACCORDING TO THE STANDARD DETAIL 8. SUFFICIENT PERSONNEL, EQUIPMENT, AND MATERIALS SHALL BE MOBILIZED WITHIN 24 HOURS OF A WRITTEN ORDER BY THE OWNER OR OWNER'S REPRESENTATIVE TO CONDUCT CORRECTIVE WORK AND INSTALL TEMPORARY EROSION CONTROL WORK IN THE CASE OF AN

EMERGENCY 9. REMOVE ANY SEDIMENT THAT HAS BEEN TRACKED ONTO PUBLIC STREETS AT THE END OF THE DAY OR WITHIN 24 HOURS OF DETECTION, OR MORE FREQUENT AT DIRECTION OF SITE INSPECTOR. 10. COLLECT ALL CONSTRUCTION DEBRIS IN DUMPSTERS AND ROLL-OFF BOXES, EMPTY WHEN DEBRIS REACHES TOP OF DUMPSTER 11. INSPECT POLLUTION CONTROL MEASURES AS SPECIFIED WITHIN SECTION 11 OF THE GENERAL PERMIT.

INLET SEDIMENT CONTROL BMP REMOVAL

IF INLET SEDIMENT CONTROLS (WIMCO TYPE OR EQUAL) BMP'S ARE REMOVED FOR FLOODING / FREEZING CONCERNS UPON REQUEST OF THE MUNICIPALITY, WATERSHED DISTRICT OR OTHER AGENCY, DOCUMENTATION SHALL BE ATTACHED TO THE INSPECTION REPORTS AND THIS SWPPP OR BE AVAILABLE WITHIN 72 HOURS OF REQUEST. DOCUMENTATION SHALL BE A WRITTEN FORM OF CORRESPONDENCE VERIFYING THE NEED FOR REMOVAL.

UPON COMPLETION OF CONSTRUCTION ACTIVITIES PERMIT TERMINATION CONDITIONS ARE ACHIEVED FOR THE PROJECT WHEN PERMANENT EROSION CONTROL BMP'S ARE APPLIED TO THE SITE. THE

PERMANENT EROSION CONTROL BMP'S MAY BE A COMBINED OF VEGETATIVE AND NON-VEGETATIVE COVER TYPES. ADDITIONAL REQUIREMENTS TO ACHIEVING FINAL STABILIZATION PERMIT TERMINATION CONDITIONS INCLUDE : 1. ALL SOIL DISTURBING ACTIVITY IS COMPLETED. ALL DISTURBED AREA WITHOUT PERMANENT IMPERMEABLE SURFACES ARE VEGETATED FOR FINAL STABILIZATION. 2. PERMANENT STORMWATER TREATMENT SYSTEM (IF REQUIRED) IS CONSTRUCTED AND ACCUMULATED SEDIMENT HAS BEEN REMOVED FROM CONSTRUCTION ACTIVITY. CLEAN OUT ALL SEDIMENT FROM CONVEYANCES AND FROM TEMPORARY SEDIMENT BASINS THAT ARE TO BE USED AS

PERMANENT WATER QUALITY MANAGEMENT BASINS. THE CLEAN OUT OF PERMANENT BASINS MUST BE SUFFICIENT TO RETURN THE BASIN TO DESIGN CAPACITY. 3. THE VEGETATIVE COVER FOR THE SITE IS AT A DENSITY, WITH UNIFORM PERENNIAL COVER OF 70% OF THE EXPECTED FINAL GROWTH DENSITY.

4. ALL TEMPORARY, SYNTHETIC BMP'S HAVE BEEN REMOVED. PERMANENT VEGETATION ESTABLISHMENT

PERMANENT TURF SHALL FOLLOW THE RECOMMENDATIONS PER NOTES AND SPECIFICATIONS IN THE GRADING AND/OR LANDSCAPE PLAN. SEED THAT IS TO OCCUR AFTER OCTOBER 20TH SHALL CONFORM TO THE MNDOT SPECIFICATIONS FOR DORMANT SEEDING.

SWPPP INSPECTIONS AND MAINTENANCE

EROSION AND SEDIMENT CONTROL INSPECTIONS

CONSTRUCTION ACTIVITY AND ALL SUPPORT ACTIVITIES MUST BE INSPECTED (USING MPCA CONSTRUCTION STORMWATER INSPECTION CHECKLIST OR AN ALTERNATIVE FORM) WITHIN THE PARAMETERS OF THE SCHEDULE BELOW. THE INSPECTOR SHALL BE A PERSON TRAINED AND FAMILIAR WITH THE

THIS PLAN

INSPECTION SCHEDULE

SCOPE OF INSPECTION SHALL INCLUDE:

- RECORD DATE AND TIME OF INSPECTION 2. NAME OF PERSON(S) CONDUCTING INSPECTION
 - 3. FINDINGS OF THE INSPECTION
 - 5. CORRECTIVE ACTIONS TAKEN (DATE.TIME/BY WHOM)
 - 7. OBSERVED DISCHARGES LOCATIONS

ELECTRONIC FORM ON SITE.

REPLACEMENT:

- CONDITIONS ALLOW ACCESS.
- OR PREVENT WASHING FROM FORECASTED RAINS.

TERMINATION OF COVERAC

HAVE BEEN MET.

1650 LF 3 EACH 275 LBS 1 EACH 1 EACH

SWPPP BMP QUANTITIES SILT FENCE INLET PROTECTION PERMANENT SEED MIX (25-131) ROCK CONSTRUCTION ENTRANCE STREET SWEEPING

REQUIREMENTS OF THIS SWPPPP AND THE MPCA MN R100001 PERMIT. ALTERNATES WILL INCLUDE INDIVIDUALS TO BE DESIGNATED BY THE OWNER AND MAY INCLUDE CONTRACTOR PERSONNEL OR OTHER QUALIFIED INDIVIDUALS AND SHALL BE LISTED IN THE PROJECT CONTACT INFORMATION SECTION OF

- IF THE SITE IS ACTIVE: INSPECTION NEEDED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL GREATER THAT 0.5 INCHES. INACTIVE AND STABILIZED AREAS: INSPECTION NEEDED ONCE EVERY 30 CALENDAR DAYS. INACTIVE AREAS WITH FINAL STABILIZATION: INSPECTION NEEDED ONCE EVERY MONTH FOR 12 MONTHS (NOT INCLUDING FROZEN CONDITIONS). SUBJECT TO WINTER/FROZEN CONDITIONS: NOT APPLICABLE/NOT NEEDED IF NO CONSTRUCTION ACTIVITY IS OCCURRING.

4. LOCATION AND CORRECTIVE ACTIONS NEEDED

6. DATE AND AMOUNT OF RAINFALL (RAINFALL AMOUNTS TO BE TAKEN FROM AN ONSITE RAIN GAUGE)

8. DESCRIBE DISCHARGE (COLOR, ODOR, FLOATING. SETTLED, SOLIDS, FOAM, OIL SHEEN)

9. THE SITE INSPECTOR WILL VISUALLY CHECK A DISCHARGE FROM A TEMPORARY OR PERMANENT SEDIMENTATION BASIN TO ENSURE ADEQUATE TREATMENT IS OBTAINED AND DISCHARGE WATER WILL NOT CONTRIBUTE EXCESSIVE SEDIMENT OR OTHER NUISANCE CONDITIONS. 10. RECORD CHANGES MADE TO THE SWPPP. AMENDMENTS FROM INSPECTIONS NEED TO BE COMPLETED WITHIN 7 DAYS.

11. ALL INSPECTIONS SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER COMPLETING THE FIELD INSPECTION AND AVAILABLE IN PAPER OR

MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES

THE OWNER/CONTRACTOR IS RESPONSIBLE FOR THE OPERATION, MAINTENANCE OF TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT BMPS AS WELL AS ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS, FOR THE DURATION OF THE CONSTRUCTION WORK AT THE SITE. THE CONTRACTOR MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS DURING ALL ROUTINE AND POST RAINFALL EVENTS. ALL NONFUNCTIONAL BMPS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS UNLESS ANOTHER TIME FRAME IS SPECIFIED BELOW.

THE FOLLOWING GUIDELINES WILL BE USED TO DETERMINE IF THE EROSION AND SEDIMENT CONTROL DEVICES REQUIRE MAINTENANCE, REPAIR, OR

1. ALL NON-FUNCTIONAL BMPS - OBSERVED CONDITION; SEDIMENT OVERTOPPING, UNDER WATER, SCOURED ENDS, UNDERMINED, DESTROYED, NON-FUNCTION AS DESIGNED, ETC. - SHALL BE MAINTAINED OR REPLACED BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY OR

NOTIFICATION, OR AS SOON AS FIELD CONDITIONS ALLOW. 2. PERIMETER SEDIMENT CONTROL (SILT FENCE, FIBER LOGS, BERMS, ETC.) - OBSERVED CONDITION TO BE 1/2 FULL OF SEDIMENT, FLATTENED TO 1/2 HEIGHT, DRIVEN OVER, UNDERMINED, SCOURED, MOVED FOR ACCESS, ETC. - SHALL BE MAINTAINED, REPAIRED OR SUPPLEMENTATION OF PERIMETER SEDIMENT CONTROL SHOULD BE DONE BY THE END OF NEXT BUSINESS DAY OR AD FIELD CONDITIONS ALLOW.

3. INLET PROTECTION BMPS, CONVEYANCES, SURFACE WATERS - OBSERVED CONDITION; SEDIMENT DEPOSITION, SEDIMENT DELTAS AN ACCUMULATION OF SEDIMENT MATERIAL, DEVICES APPEAR PLUGGED WITH SEDIMENT - REMOVAL/CLEAN OUT OF ACCUMULATED SEDIMENT AND DELTAS TO BE REMOVED WITHIN 7 DAYS, STABILIZE AS NEEDED IF SOILS ARE EXPOSED DURING REMOVAL/CLEAN OUT 4. TEMPORARY SEDIMENT BASINS AND TRAPS/PERMANENT SEDIMENT BASINS - OBSERVED TO HAVE SEDIMENT DEPOSITION AND ACCUMULATION

TO $\frac{1}{2}$ OF THE STORAGE VOLUME - CLEAN OUT, REMOVE ACCUMULATED SEDIMENT MATERIAL WITHIN 7 DAYS OF OBSERVATION, OR AS FIELD 5. SITE EXIT LOCATIONS, ROCK EXIT PADS, OTHER ANTI-TRACKING PRACTICES - OBSERVED TO HAVE ACCUMULATED SEDIMENT IN ROCK OR OTHER ANTI-TRACKING BMP, TRACKING OF SEDIMENT FROM THE SITE ONTO PAVED SURFACES - TOP DRESS ROCK, MAINTAIN ROCK EXIT OR OTHER

ANTI-TRACKING CONTROLS, SCRAP PAVED SURFACES, SWEEP PAVED SURFACES WITHIN 1 CALENDAR DAY OF DISCOVERY. 6. PAVED SURFACES AND ADJACENT STREETS - OBSERVED TO BE TRACKED WITH SEDIMENT AND SOIL MATERIAL FRO THE SITE HAULING OR ACCESS SWEEP WITHIN 1 CALENDAR DAY OF DISCOVERY, ADDITIONAL AND/OR MORE FREQUENT SWEEPING MAY BE NEEDED TO MAINTAIN PUBLIC SAFETY

THE PROJECT PERMIT MAY BE TERMINATED IN ONE OF THE FOLLOWING SCENARIOS:

1. ALL CONSTRUCTION ACTIVITY IS COMPLETE, TEMPORARY SYNTHETIC BMP'S ARE REMOVED, ACCUMULATED SEDIMENT FROM CONSTRUCTION IS REMOVED, AND PERMANENT COVER HAS BEEN ACHIEVED WITH VEGETATIVE AND/OR NON-VEGETATIVE COVER. THE NOTICE OF TERMINATION FORM FROM THE PCA SHOULD BE COMPLETED WITHIN 30 DAYS OF MEETING THE CONDITIONS ABOVE. UPON MIDNIGHT OF THE POST MARKED DATE, THE PERMIT COVERAGE IS TERMINATED UNLESS OTHERWISE NOTIFIED BY THE MPCA. OR:

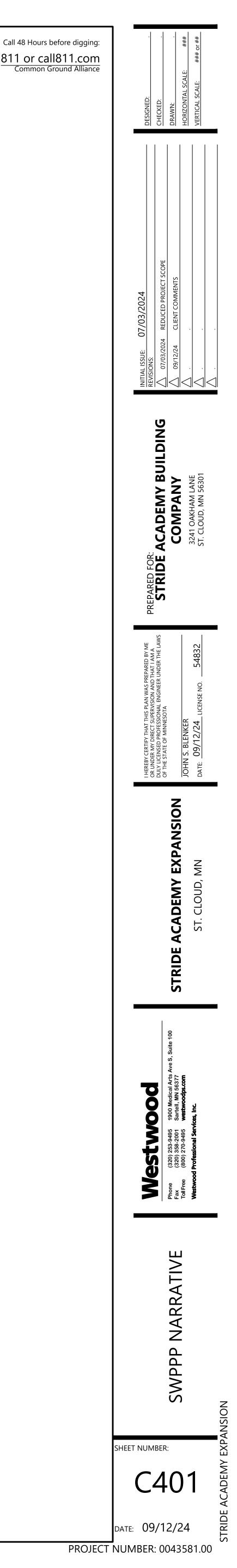
2. WITHIN 30 DAYS OF SELLING OR OTHERWISE LEGALLY TRANSFERRING OWNERSHIP OF THE SITE IN IT'S ENTIRETY (INCLUDING STREET SWEEPING AND STORMWATER INFRASTRUCTURE) FROM THE ORIGINAL OWNER TO ANOTHER PARTY TAKING RESPONSIBILITY OF OWNERSHIP. THE TERMINATION IS EFFECTIVE UPON MIDNIGHT OF THE SUBMISSION DATE OF THE NOT, IF A PORTION OF THE SITE IS TRANSFERRED (I.E. OUTLOTS, LOTS/BLOCKS) THAT PORTION OF THE SITE IS TERMINATED FROM THE ORIGINAL PERMIT COVERAGE AT MIDNIGHT OF THE SUBMISSION DATE. OR: 3. PERMIT COVERAGE CAN BE TERMINATED IF ALL OF THE FOLLOWING ARE MET:

3.a. CONSTRUCTION ACTIVITY HAS CEASED FOR 90 DAYS; AND 3.b. AT LEAST 90% OF THE AREA OF THE ORIGINALLY PROPOSED ACTIVITY HAS BEEN COMPLETED AND PERMANENTLY ESTABLISHED WITH VEGETATION OR NON-VEGETATIVE COVER; AND

3.c. WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED; AND 3.d. THE SITE IS COMPLIANT WITH PERMIT SECTIONS 13.3 THROUGH 13.7.

4. WHERE THE PROJECT OBTAINED PERMIT COVERAGE BUT NEVER STARTED CONSTRUCTION ACTIVITY DUE TO CANCELLATION OR OTHER REASONS, DOCUMENTATION SHOULD BE SENT TO THE PCA WITH THE NOT FORM AND IS SUBJECT TO PCA APPROVAL.

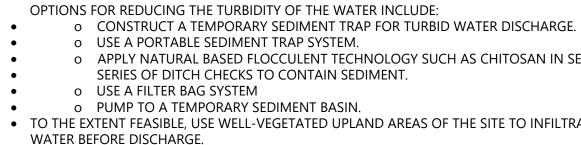
WHEN SUBMITTING FOR NOT, GROUND OR AERIAL PHOTOGRAPHS MUST BE SUBMITTED SHOWING PERMANENT/VEGETATIVE COVER REQUIREMENTS



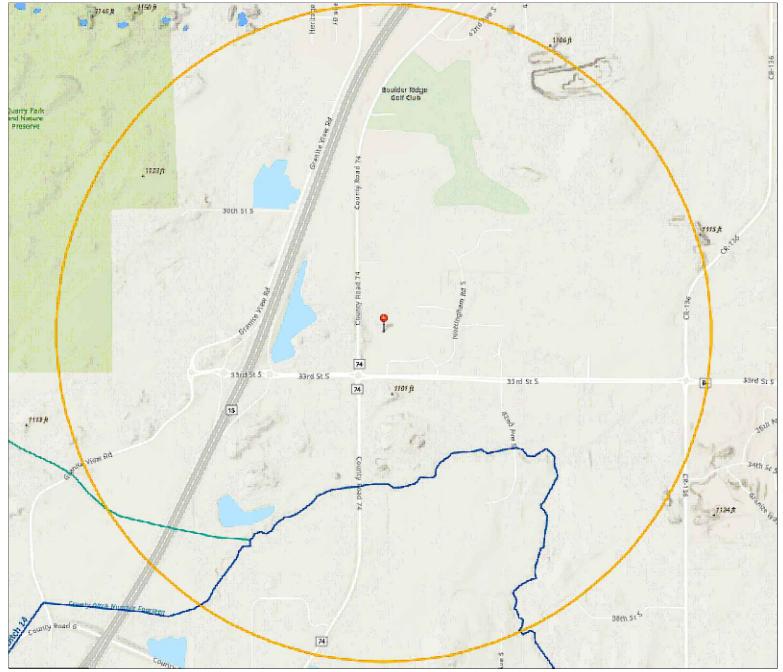
SWPPP NOTES

LISTED BELOW ARE ADDITIONAL BMP'S THAT MAY BE CONSIDERED FOR USE IF THE BMP'S IDENTIFIED IN THE EROSION CONTROL PLANS PROVE TO BE INSUFFICIENT. PAYMENT FOR THESE BMP'S MAY ONLY BE MADE IF PRIOR APPROVAL FROM AN OWNER HAS BEEN GIVEN.

- WORK ADJACENT TO RESIDENTIAL PROPERTIES
- INSTALL SILT FENCE FOR PERIMETER BARRIER BETWEEN TOE OF FILL AND PROJECT BOUNDARY. INSTALL RUNOFF DIVERSIONS TO TEMPORARY SEDIMENT BASINS IF 10 OR MORE ACRES ARE DRAINING TOWARD THE PROPERTY BOUNDARY.
- IMPORTANT VEGETATION
- SAFETY FENCE OR A SIMILAR METHOD OF PROTECTION SHALL BE INSTALLED TO PROTECT IMPORTANT VEGETATION AND PROHIBIT VEHICULAR TRAFFIC.
- A SECONDARY SILT FENCE SHALL BE INSTALLED AT FIELD OFFICES, STORED EQUIPMENT (INCLUDING VEHICLE PARKING), CONSTRUCTION MATERIAL LOCATIONS, AND TOPSOIL OR FILL STOCKPILES INSTALLED WITHIN A 25-FOOT MINIMUM BUFFER OUTSIDE THE DRIP LINE OF TREES.
- WORK NEXT TO WETLANDS PRESERVE A **50**' NATURAL BUFFER. OR IF A BUFFER IS INFEASIBLE. PROVIDE REDUNDANT SEDIMENT CONTROLS PRIOR TO DISTURBANCE OF UP-GRADIENT AREAS. • FILL SLOPES ADJACENT TO WETLANDS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF COMPLETION OF WORK. INSTALL EROSION CONTROL BLANKET AS INDICATED ON THE EROSION CONTROL / GRADING PLAN.
- CULVERT INLET/OUTLET PROTECTION
- SOD MAY BE PLACED AND ANCHORED AT CULVERT INLETS AS SHOWN ON THE GRADING PLAN, UNLESS VELOCITIES REQUIRE RIPRAP.
- AT LEAST ONE 2-FOOT WIDE STRIP OF SOD OR FIBER BLANKET SHALL BE PLACED ALONG THE EDGES OF CULVERT HEADWALLS AND WINGWALLS AS SHOWN ON THE GRADING AND/OR UTILITY PLANS. • RIPRAP AT PIPE APRON OUTLETS WILL BE PLACED PRIOR TO BUT NO SOONER THAN 7 DAYS BEFORE APRON IS INSTALLED. RIPRAP SHALL BE INSTALLED UNDER APRON LIP ACCORDING TO THE STANDARD DETAIL.
- STORM SEWER INLET PROTECTION STORM DRAIN INLETS SHALL BE PROTECTED UNTIL THE DISTURBED AREAS THAT COULD DISCHARGE TO AN INLET HAVE BEEN STABILIZED.
- INFRASAFE SEDIMENT CONTROL BARRIERS OR APPROVED EQUAL SHALL BE USED WHEN CASTINGS ARE NOT IN PLACE. AS INDICATED ON THE UTILITY PLAN AND AS APPROVED BY THE OWNER.
- INFRASAFE DEBRIS COLLECTION DEVICE OR APPROVED EQUIVALENT SHALL BE USED WHEN CASTINGS ARE IN
- PLACE AS INDICATED ON THE UTILITY PLAN AND AS APPROVED BY THE OWNER. DOCUMENTATION IS NEEDED WITHIN 72 HOURS IF REMOVAL OF PROTECTION BMPS IS NEEDED DUE TO WINTER
 11. CONCRETE TRUCK WASHOUT CONDITIONS OR FLOODING CONCERNS.
- STORM WATER POND OUTLETS
- TEMPORARY OR PERMANENT ENERGY DISSIPATION MEASURES SHALL BE IN PLACE AT THE STORM WATER POND OUTLETS WITHIN 24 HOURS OF DIRECT CONNECTION TO A SURFACE WATER. RIPRAP AT PIPE APRON OUTLETS WILL BE PLACED PRIOR TO APRON INSTALLATION AND SHALL BE INSTALLED UNDER THE APRON LIP
- POND EMERGENCY SPILLWAYS SHALL BE LINED BASED ON THE DESIGN DISCHARGE FLOW VELOCITY AND AS INDICATED ON GRADING AND/OR UTILITY PLANS.
- DEEP UTILITIES: WATER AND SANITARY/GAS LINE SILT FENCE OR A SIMILAR TYPE OF PERIMETER CONTROL SHALL BE PLACED DOWN GRADIENT OF THE EXCAVATED SOIL IF WORK IS DONE WITHIN 200 FEET OF WETLANDS OR STREAMS. DISTURBANCE OF CHANNEL BANKS, WETLANDS, AND IMPORTANT VEGETATION AREAS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE.
- THE UTILITY CONSTRUCTION SITE SHALL BE SEEDED WITH A TEMPORARY SEED MIX AND MULCH AFTER INSTALLATION IF THE SITE WILL BE IDLE FOR 7, 14, OR 21 DAYS DEPENDING UPON SLOPES OF STEEPER THAN 3:1, 3:1 TO 10:1 AND FLATTER THAN 10:1 RESPECTIVELY.
- STOCKPILES (TEMPORARY AND PERMANENT)
- LOCATE STOCKPILES A MINIMUM OF 100 FEET FROM CATCH BASIN INLETS, PONDS, AND SITE DRAINAGE ROUTES PERIMETER CONTROLS SUCH AS SILT FENCE SHALL BE INSTALLED AROUND ALL STOCKPILES PRIOR TO INITIATION OF STOCKPILING IF NOT PLACED WITHIN EXISTING SILT FENCES OR OTHER SEDIMENT CONTROL. • TEMPORARY SEED AND MULCH SHALL BE USED TO STABILIZE THE STOCKPILES AND THE STOCKPILES SHALL BE
- SHAPED TO FACILITATE SEEDING AND MINIMIZE EROSION AND SHALL BE SEEDED WITHIN 7 DAYS. TEMPORARY EROSION CONTROL DEVICES REQUIRED DUE TO CONTRACTORS METHOD OF SEQUENCING THEIR CONSTRUCTION WORK SHALL BE INCIDENTAL TO THE GRADING CONTRACT.
- IF TEMPORARY SEED AND MULCH CANNOT BE USED, THEN THE STOCKPILES SHALL BE COVERED WITH HYDROMULCH, TARPS OR PLASTIC SHEETING AS APPROVED BY THE OWNER.
- IF STOCKPILES MUST BE PLACED WITHIN A CONVEYANCE A TEMPORARY BYPASS SHALL BE INSTALLED (I.E. PVC PIPE) TO ADEQUATELY CONVEY RUNOFF. TEMPORARY BYPASS BMPS SHALL BE INCIDENTAL TO THE CONTRACT UNLESS PREVIOUSLY APPROVED BY THE OWNER / ENGINEER
- CONSTRUCTION DEWATERING DURING DEWATERING ACTIVITIES, THE SEDIMENT LADEN WATER CANNOT CAUSE NUISANCE CONDITIONS AND MUST DISCHARGE TO A SEDIMENT CONTROL DESIGNED TO PREVENT DISCHARGES WITH VISUAL TURBIDITY.



- ENERGY DISSIPATION WILL BE PROVIDED AT ALL DISCHARGE POINTS.
- DEWATERING OR BASIN DRAINING ACTIVITIES WILL NOT CAUSE EROSION IN RECEIVING CHANNELS OR ADVERSELY IMPACT WETLANDS. DEWATERING DISCHARGE MUST BE VISUALLY CHECKED. PHOTOGRAPH DISCHARGE AT THE BEGINNING AND AT LEAST EVERY 24 HOURS OF OPERATION. DEWATERING DISCHARGES THAT ONLY LAST FOR MINUTES. AS
- OPPOSED TO HOURS AND DO NOT REACH A SURFACE WATER. DO NOT REOUIRE PHOTOGRAPHS OR DOCUMENTATION. IF NUISANCE CONDITIONS RESULT (SEDIMENT PLUME IN THE DISCHARGE, DISCHARGE APPEARS CLOUDY OR OPAQUE, HAS A VISIBLE CONTRAST, HAS A VISIBLE OIL FILM, HAS AQUATIC HABITAT DEGRADATION), DETWATERING MUST BE CEASED IMMEDIATELY AND CORRECTIVE ACTIONS MUST OCCUR BEFORE DEWATERING IS RESUMED. ALL EROSION CONTROL OR SEDIMENT TRAPS REQUIRED FOR CONSTRUCTION DEWATERING SHALL BE
- CONSIDERED INCIDENTAL TO THE CONSTRUCTION ACTIVITY REQUIRING DEWATERING.
- 10. CONSTRUCTION ENTRANCES
 - CONSTRUCTION SITE.
- A TEMPORARY CRUSHED ROCK OR WOOD CHIP PAD SHALL BE LOCATED WHERE VEHICLES LEAVE THE THE CONSTRUCTION ENTRANCE PAD SHALL BE AT LEAST 50 FEET IN LENGTH. GEOTEXTILE FABRIC MAY BE PLACED UNDER THE CRUSHED ROCK OR WOOD CHIPS TO PREVENT MIGRATION OF
- MUD FROM UNDERLYING SOIL INTO THE CONSTRUCTION ENTRANCE MATERIAL ROCK PADS SHALL BE CONSTRUCTED OF ROCK 1 TO 3 INCHES IN SIZE AND PLACED IN 6 INCH LAYERS. CONSTRUCTION ENTRANCES SHALL BE INSPECTED AT LEAST EVERY 7 DAYS AND MAINTAINED AS NEEDED. TRACKED SEDIMENTS SHALL BE REMOVED FROM PAVED SURFACES AT THE END OF EACH DAY USING PICK-UP
- TYPE STREET SWEEPER.
- IF TRACKING INTO ROADWAY BECOMES PROBLEMATIC THE ENTRANCE PADS SHALL BE LENGTHENED OR ANOTHER TECHNIQUE APPLIED. TEMPORARY EROSION CONTROL DEVICES REQUIRED DUE TO CONTRACTORS METHOD OF SEQUENCING THEIR CONSTRUCTION WORK SHALL BE INCIDENTAL TO THE GRADING CONTRACT THE CONSTRUCTION ENTRANCE SHALL BE MONITORED CLOSELY DURING WET CONDITIONS. IF TRACKING INTO 17. DUST CONTROL ADJACENT ROADWAYS OCCURS, THE FREQUENCY OF STREET SWEEPING SHALL BE INCREASED.
- CONCRETE TRUCKS SHALL UTILIZE THE CONCRETE WASHOUT AREA SHOWN ON THE PLANS TO WASH AND RINSE THEIR EQUIPMENT PRIOR TO LEAVING THE SITE. WASHOUT OF CONCRETE MIXER TRUCKS WILL BE PERFORMED IN THE DESIGNATED AREAS ONLY.
- WASHOUTS WILL BE CONSTRUCTED AND MAINTAINED TO PROVIDE SUFFICIENT CONTAINMENT FOR ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. • WASHOUTS SHALL BE CLEARLY MARKED ON SITE WITH SIGNAGE BY THE UTILITY CONTRACTOR WITH APPROVAL 18. WINTER STABILIZATION
- FROM OWNER.
- WASHOUTS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM DRAINAGE FACILITIES AND WATERCOURSES. CONCRETE WASHOUT AREAS WILL HAVE AN IMPERMEABLE LINER TO PREVENT CONCRETE WASHOUT WATER FROM INFILTRATING/CONTACTING WITH SOIL. • IMPERMEABLE LINER INCLUDES 10 MIL POLYLINER OR COMPACTED CLAY LINER. WASHOUT SYSTEMS CAN BE USED AS ALTERNATE WASHOUT AREAS.
- 12. VEHICLE MAINTENANCE
- ROUTINE MAINTENANCE OF VEHICLES AND EQUIPMENT SHALL OCCUR IN STAGING AREAS ONLY. VEHICLE WASHING SHOULD BE AVOIDED. IF WASHING IS NECESSARY, RUNOFF FROM THE WASHING WILL BE CONTAINED AND LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE
- PROPERLY DISPOSED OF. ENGINE DEGREASING SHALL BE AVOIDED. IF DEGREASING IS NECESSARY, RUNOFF FROM THE OPERATION WILL BE CONTAINED IN A LINED SEDIMENT TRAP AND PROPERLY DISPOSED OF AT A TREATMENT FACILITY. ALL REQUIRED SEDIMENT TRAPS AND CONTAINMENT FACILITIES AND PROPER DISPOSAL OF WASH WATER/DEGREASING AT A TREATMENT FACILITY SHALL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT.
- 13. FUELING
- ANY FUEL TANK OR TRUCK STORED ON THE PROJECT SITE SHALL BE PROTECTED BY A SECONDARY CONTAINMENT SYSTEM.
- FUELING AREAS SHALL NOT BE WASHED OR RINSED WITH WATER SINCE THIS COULD CAUSE FUEL SPILLS TO BE DISCHARGED INTO STORM WATER SYSTEMS. ABSORBENT MATERIALS SHALL BE AVAILABLE ON SITE FOR USE IN CLEANING UP SMALL SPILLS.
- ALL REQUIRED FUEL CONTAINMENT AND CLEAN-UP MATERIALS AND THE PROPER DISPOSAL OF THE MATERIALS SHALL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT.
- 14. HAZARDOUS MATERIALS
- HAZARDOUS MATERIALS SHALL BE PROPERLY STORED TO PREVENT VANDALISM OR UNAUTHORIZED ACCESS. CONTAINMENT UNITS SHALL BE INSTALLED IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS. • MPCA STORING AND DISPOSAL REQUIREMENTS SHALL BE FOLLOWED FOR ALL HAZARDOUS WASTE.



VICINITY MAP/IMPAIRED WATERS MAP

INFEASIBILITY DETERMINATION (ITEMS 5.13, 5.14 AND 5.15) TEMPORARY SEDIMENT BASIN

IF PERMITTEE DETERMINES A TEMPORARY SEDIMENT BASIN TO MEET SECTION 14 IS INFEASIBLE, DOCUMENT THIS DETERMINATION; PERMITTEES TO CONSIDER PUBLIC SAFETY, SITE FACTORS SUCH AS SITE SOILS, SLOPE, AND AVAILABLE AREA ON SITE.

BUFFER ZONE AS DESCRIBED IN PERMIT ITEMS 9.17 AND 23.11

o APPLY NATURAL BASED FLOCCULENT TECHNOLOGY SUCH AS CHITOSAN IN SEDIMENT TRAPS OR A

- TO THE EXTENT FEASIBLE, USE WELL-VEGETATED UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING

- NO HAZARDOUS MATERIAL SHOULD BE STORED WITHIN 200 FEET OF AN IDENTIFIED CRITICAL AREA. ABSORBENT MATERIALS SHALL BE AVAILABLE FROM THE CONTRACTOR ON SITE FOR USE IN CLEANING UP
- SMALL SPILLS. IF BUILDING MATERIALS, CHEMICALS, OR GENERAL REFUSE IS BEING USED, STORED, DISPOSED OF, OR OTHERWISE MANAGED INAPPROPRIATELY, THE CONTRACTOR SHALL CORRECT SUCH DEFECTS WITHIN 24
- HOURS OF DETECTION OR NOTIFICATION. • ALL REQUIRED CONTAINMENT / STORAGE UNITS / ABSORBENT MATERIAL AND REQUIRED DISPOSAL SHALL BE 21. INFILTRATION/FILTRATION AREAS INCIDENTAL TO THE CONSTRUCTION CONTRACT.
- 15. CHEMICAL CONTAINMENT
- GASOLINE, OIL, PAINT, SOLVENTS, AND OTHER CHEMICALS NECESSARY FOR CONSTRUCTION ARE NOT ALLOWED TO CONTACT THE GROUND SURFACE, BE EXPOSED TO GROUNDWATER OR BE RELEASED TO A SURFACE OR GROUNDWATER EXCEPT IN DE MINIMIS QUANTITIES.
- ALL PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINER, WITH ORIGINAL LABELS STILL ATTACHED, UNLESS THE CONTAINER IS NOT RESEALABLE.
- HAZARDOUS MATERIALS SHALL BE RETURNED TO THE HAZARDOUS MATERIAL STORAGE AREA AT THE END OF FACH DAY AN EFFORT SHOULD BE MADE TO STORE ONLY ENOUGH PRODUCTS TO DO THE REQUIRED JOB.
- THE CONTRACTOR SHALL PROVIDE TANKS OR BARRELS TO COLLECT LIQUID BYPRODUCTS THAT POSE A
- POLLUTION HAZARD. THE POLLUTANTS SHALL BE REMOVED FROM THE SITE ON A WEEKLY BASIS AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, IN ACCORDANCE WITH THE MANUFACTURE'S RECOMMENDED METHODS.
- ALL REQUIRED CONTAINMENT / STORAGE UNITS / ABSORBENT MATERIAL AND REQUIRED DISPOSAL SHALL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT • ALL STORAGE AREAS SHALL BE SECURED TO PREVENT UNAUTHORIZED ACCESS.
- 16. SOLID WASTE SOLID WASTE SHALL BE STORED IN APPROPRIATE CONTAINERS AND PROPERLY DISPOSED OF ON A REGULAR RASIS CONTAINERS SHALL BE COVERED TO PREVENT WIND BLOWING THE WASTE AROUND THE SITE.
- MPCA DISPOSAL REQUIREMENTS WILL BE FOLLOWED FOR ALL SOLID WASTE. SOLID WASTE STORAGE CONTAINERS AND PROPER DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION CONTRACT.
- THE CONTRACTOR SHALL USE A VARIETY OF DUST CONTROL INCLUDING BUT NOT LIMITED TO THE FOLLOWING: A. RAPID STABILIZATION METHODS ON SLOPES WATER ON ROADWAYS AND GRADED AREAS
- ALTERNATIVES: IN THE FORM OF VEGETABLE POLYMERS, WATER AND CALCIUM CHLORIDE PETROLEUM EMULSION RESINS, OR ACRYLIC COPOLYMERS MAY ALSO BE USED. ALL REQUIRED DUST CONTROL SHALL BE INCIDENTAL TO THE CONSTRUCTION CONTRACT AS PER SPECIFICATIONS.
- COVER EXPOSED SOILS ON OR AROUND NOV. 15TH AND/OR PRIOR TO TERMINATION OF CONSTRUCTION ACTIVITIES FOR WINTER ALL EXPOSED SOILS TO BE COVERED WITH 2 TONS TYPE 1 MULCH
- ALL EXPOSED SOILS TO BE SEEDED WITH MNDOT SEED MIX 150
- ALL LOW POINTS IN ROADS TO BE ADEQUATELY DRAINED IN ACCORDANCE WITH NPDES DEWATERING REQUIREMENTS PART IV. CONSTRUCTION ACTIVITY REQUIREMENTS. SECTION D. DEWATERING AND BASIN
- DRAINING • PERIMETER SILT FENCE OR OTHER CONTROLS TO BE INSTALLED 3-5 FEET FROM THE BACK OF THE CURB AND OUT OF THE PLOWED SNOW AREA.
- PERIMETER CONTROLS AROUND PERMANENT STORMWATER BASINS TO BE INSTALLED AND MAINTAINED INLET CONTROLS TO BE REMOVED ACCORDING TO LEGAL REQUIREMENTS WITH DOCUMENTATION WITHIN 72
- HOURS FROM LEGAL AUTHORITY IF WORK HAS OCCURRED NEAR OR IN STREAMS OR OTHER SURFACE WATERS, THE EXPOSED SOILS SHALL BE
- STABILIZED TO PROTECT AGAINST FLOODING AND SPRING RUNOFF TO THE 100-YR FLOOD ELEVATION. ALL TEMPORARY AND PERMANENT STORMWATER BASINS AND SEDIMENT BASINS SHOULD HAVE OUTLETS AND STABILIZED EMERGENCY OVERFLOWS INSTALLED AS PER THE GRADING AND/OR UTILITY PLAN AND AT THE APPROVAL OF THE OWNER.
- 19. NON-STORMWATER DEWATERING
- HYDRANT FLUSHING: FLUSHING OF HYDRANTS WILL BE DISCHARGED THROUGH TEMPORARY PIPES AS NECESSARY, ONTO IMPERVIOUS SURFACES OR TO STABILIZED ARES WITH ENERGY DISSIPATION AT THE DISCHARGE POINT. THE DISCHARGE SHOULD BE COLLECTED BY THE STORM
- WATER BASINS AND STORM SEWER SYSTEM. POTABLE WATER DISCHARGE: ALL WATER LINES WILL BE FLUSHED USING HOSES AND DISCHARGED ONTO AN IMPERVIOUS SURFACE AND DIRECTED TO THE STORM SEWER INFRASTRUCTURE BY NON-EROSIVE MEANS. 20. WORK NEAR SPECIAL WATERS
- EXPOSED SOILS MUST BE STABILIZED WITHIN 7 DAYS OF ACTIVITY TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY SEDIMENT BASIN NEEDED WITHIN AREAS 5 ACRE DISTURBANCE WITH COMMON POINT OF DISCHARGE.



WEB SOIL SURVEY MAP

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
B3	Forada sandy loam, 0 to 2 percent slopes	1.6	5.9%
281	Darfur coarse sandy loam	6.3	23.1%
327A	Sverdrup sandy loam, Sandy Outwash, 0 to 2 percent slopes	15.5	56.5%
064	Rock outcrop-Lithic Eutrochrepts complex	4.0	14.5%
Totals for Area of Interest		27.4	100.0%

- IF WORK IS NEAR SPECIAL WATERS REFER TO APPENDIX A OF THE NPDES PERMIT FOR ADDITIONAL NOTES AND REQUIREMENTS.
- MAINTAIN AT ALL TIMES, 100 FT UNDISTURBED BUFFER AROUND SPECIAL WATERS. NO UNTREATED DEWATERING WILL TAKE PLACE AND DISCHARGE TO "SPECIAL WATERS"

SWPPP AMENDMENT

- SEE PERMIT FOR ADDITIONAL NOTES AND REQUIREMENTS
- FENCE OFF AREA PRIOR TO BEGINNING CONSTRUCTION.
- EXCAVATION AREA SHALL TAKE PLACE AFTER CONTRIBUTING AREAS ARE AT FINAL GRADE AND STABILIZED. DO NOT USE HEAVY/WHEELED EQUIPMENT IN FILTRATION AREA.
- DIVERSIONS, REDUNDANT SEDIMENT AND EROSION CONTROLS MUST BE USED TO PROTECT AREA. • ENSURE 8 FT MAINTENANCE ACCESS IS ADEQUATE FOR AREA.
- IF GRADING MUST OCCUR IN FILTRATION AREA, LEAVE GRADE 3 FT HIGH TEMPORARILY UNTIL AREA CAN BE

FINAL GRADED AND STABILIZED

THIS PLAN AND THE ATTACHMENTS MUST BE AMENDED WITHIN 7 DAYS TO INCLUDE ADDITIONAL REQUIREMENTS OR MODIFIED REQUIREMENTS WHICH PLACE DURING CONSTRUCTION IF ONE OR MORE OF THE FOLLOWING OCCUR:

1. THERE IS A CHANGE IS DESIGN CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT SIGNIFICANTLY IMPACTS TH DISCHARGE OF POLLUTANTS FROM THE SITE TO SURFACE OR GROUNDWATER.

2. INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER, OPERATOR, ENVIRONMENTAL PROTECTION AGENCY, MINNESOTA POLLUTION CONTROL AGE OFFICIALS INDICATE THIS PLAN IS NOT EFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING THE DISCHARGE OF POLLUTANTS.

3. THIS SWPPP IN NOT ACHIEVING THE GENERAL OBJECTIVES OF MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES OR IF THIS PLAN IS NOT

CONSISTENT WITH THE MN R1000011 CONSTRUCTION GENERAL PERMIT. 4. IF THE MPCA NOTIFIES THE OWNER AND/OR OPERATOR (i.e. PERMITTEES) THAT ADDITIONAL REQUIREMENTS ARE NEEDED, REQUIREMENTS ARE NOT E

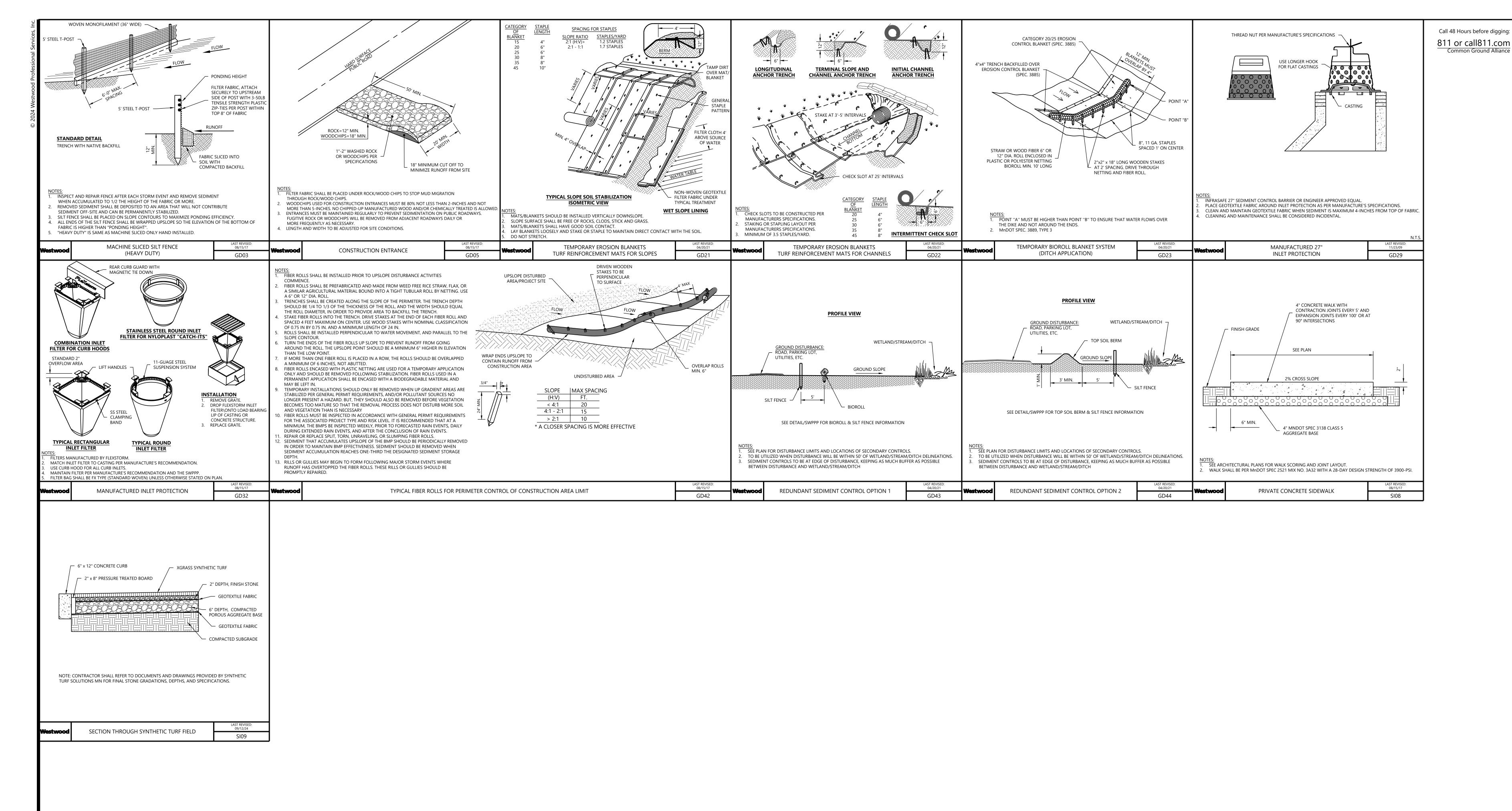
NET FOR TMDL OR OTHER WATER QUALITY STANDARDS, OR THAT THE SWPPP DID NOT INCORPORATE THE NECESSARY REQUIREMENTS. 5. CHANGES INVOLVING THE USE OF A LESS STRINGENT BMP MUST INCLUDE A JUSTIFICATION DESCRIBING HOW THE REPLACEMENT BMP IS EFFECTIVE F THE SITE CHARACTERISTICS.

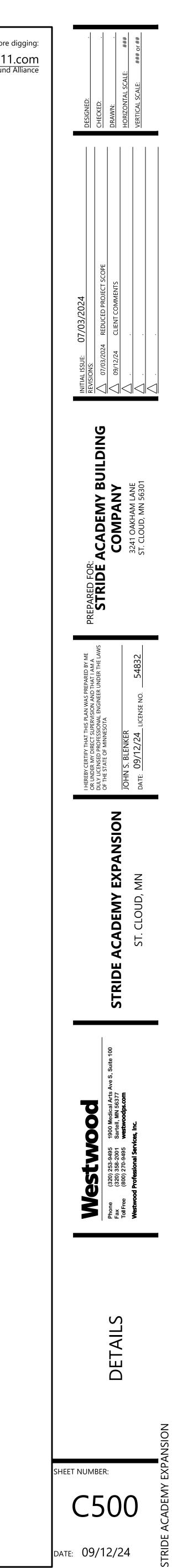
THE FOLLOWING TABLE SHOULD BE COMPLETED AS NECESSARY DURING CONSTRUCTION TO DOCUMENT CHANGES AND AMENDMENTS TO THIS DOCUME AMENDMENTS MUST BE MADE BY ONE OF THE FOLLOWING INDIVIDUALS: THOSE PREPARING THIS DOCUMENT; THOSE OVERSEEING THE IMPLEMENTATION THE SWPPP; THOSE REVISING THE SWPPP; THOSE PERFORMING INSPECTIONS FOR THE PROJECT; AND/OR OTHER QUALIFIED INDIVIDUAL.

PLACE THE AMENDMENT NUMBER NEXT TO ALL APPLICABLE CHANGES, REDLINES, AND INFORMATION IN THE DOCUMENT TO REFERENCE BACK TO THE CHANGES SUMMARIZED BELOW.

AMENDMENT NO.	DATE	REASON, LOCATION, AND BRIEF DESCRIPTION OF CHANGE OR AMENDMENT	REQUESTED BY	P

	· • • • • • • • • • • • • • • • • • • •
Call 48 Hours before digging: 811 or call811.com Common Ground Alliance	DESIGNED:
	INITIAL ISSUE: 07/03/2024 REVISIONS: 07/03/2024 REDUCED PROJECT SCOPE 09/12/24 CLIENT COMMENTS 12/21 CLIENT COMMENTS 12/21 CLIENT COMMENTS 12/21 CLIENT COMMENTS
	PREPARED FOR: STRIDE ACADEMY BUILDING COMPANY 3241 OAKHAM LANE 3241 OAKHAM LANE ST. CLOUD, MN 56301
	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA JOHN S. BLENKER DATE: 09/12/24_LICENSE NO. 54832
	STRIDE ACADEMY EXPANSION ST. CLOUD, MN
VHICH TAKE ACTS THE DL AGENCY OT E NOT BEING CTIVE FOR OCUMENT. TATION OF THE	Phone (320) 253-9495 1900 Medical Arts Ave S, Suite 100 Fax (320) 338-2001 Sartell, MN 56377 Toll Free (800) 270-9495 westwoodps.com Westwood Professional Services, Inc.
PREPARED BY	SWPPP NOTES
	SHEET NUMBER: C402 DATE: 09/12/24
PROJECT	NUMBER: 0043581.00





PROJECT NUMBER: 0043581.00