

# 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

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PREPARED BY:

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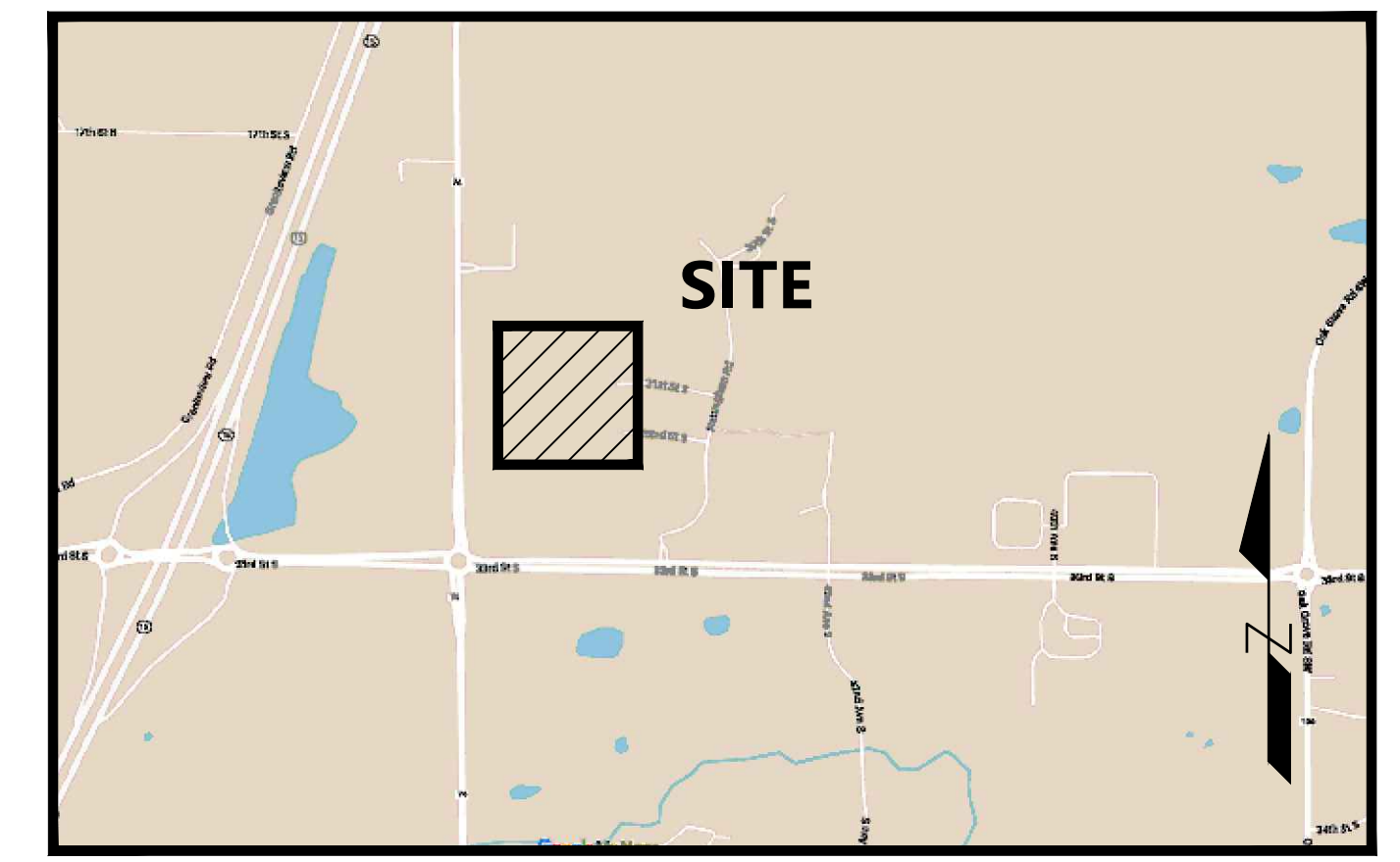
Westwood Professional Services, Inc.

PROJECT NUMBER: 0043581.00

CONTACT: JOHN S. BLENKER

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: 07/01/2024 LICENSE NO. 54832



Vicinity Map  
(NOT TO SCALE)

### SHEET INDEX

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CONSTRUCTION PLANS

FOR

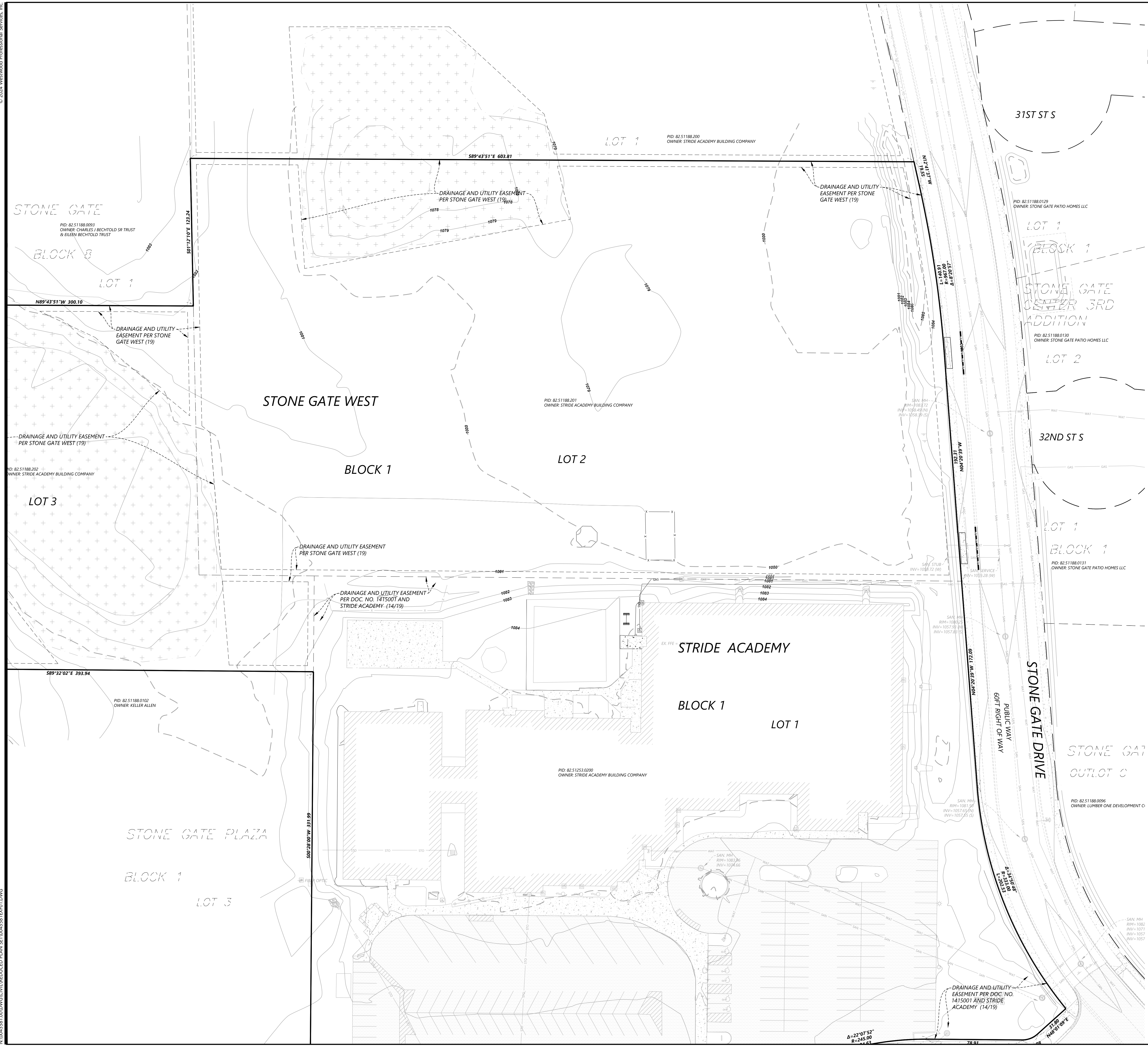
GRADING AND EROSION CONTROL

FOR

STRIDE ACADEMY EXPANSION

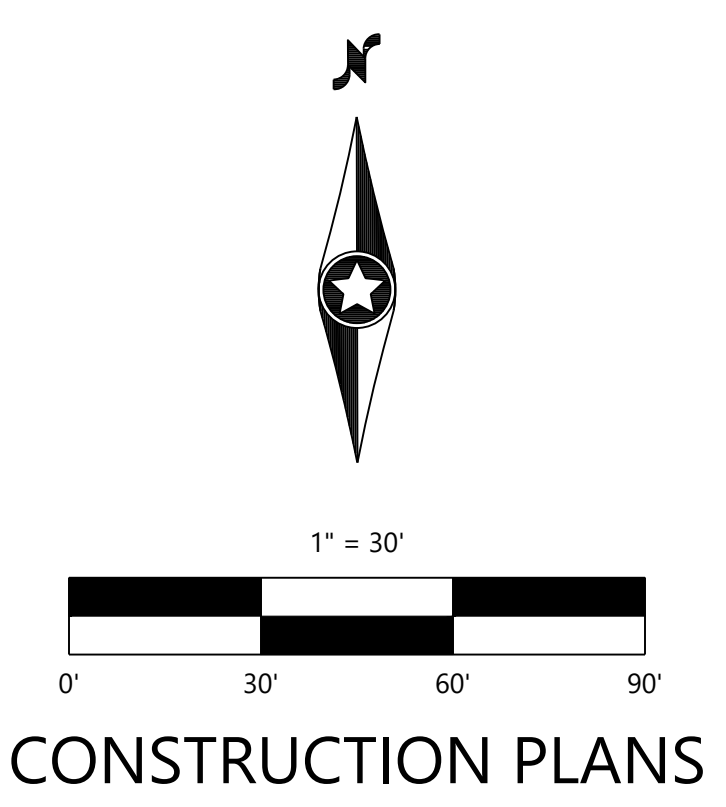
ST. CLOUD, MN

INITIAL SUBMITTAL DATE: 07/01/2024 SHEET: C001



**LEGEND**

○	SANITARY MANHOLE	○	STEEL/WOOD POST
○	SEWER CLEANOUT	□	SIGN
○	SEPTIC COVER	□	MAIL BOX
○	STORM MANHOLE	□	FLAG POLE
○	BEEHIVE CATCH BASIN	□	HANDICAPPED STALL
○	CATCH BASIN	□	BENCH
○	FLARED END SECTION	○	OIL MANHOLE
○	CULVERT	○	OIL PUMP JACK
○	CATCH BASIN MANHOLE	○	OIL WELL
○	DOWNSPOUT	○	MET TOWER
○	DRYWELL	○	WEATHER STATION
○	STORM INTERCEPTOR	○	TURBINE
○	HYDRANT	○	IRRIGATION MANHOLE
○	GATE VALVE	○	IRRIGATION SH
○	WATER METER	○	IRRIGATION SP
○	FIRE DEPARTMENT CONNECTION	○	IRRIGATION VALVE
○	CURB STOP BOX	○	SOIL BORING
○	WATER MANHOLE	○	PERC TEST
○	WELL	○	MONITORING WELL
○	POST INDICATOR VALVE	○	PIEZOMETER
○	DOUBLE DETECTOR CHECK VALVE	○	BUSH/SHRUB
○	FARM HYDRANT	○	CONIFEROUS TREE
○	REDUCE PRESSURE VALVE	○	DECIDUOUS TREE
○	STOCK TANK	○	SAGURA
○	WINDMILL	○	BOUNDARY LINE
○	ELECTRIC BOX	○	RIGHT-OF-WAY LINE
○	ELECTRIC METER	○	LOT LINE
○	ELECTRIC MANHOLE	○	EASEMENT LINE
○	ELECTRIC TOWER	○	SECTION LINE
○	STREET LIGHT	○	TREE LINE
○	POWER POLE WITH LIGHT	○	CABLE TELEVISION LINE
○	GUY WIRE	○	GAS LINE
○	POWER POLE	○	POWER OVERHEAD
○	MAST ARM	○	POWER UNDERGROUND
○	MAST ARM W/ LIGHT	○	SANITARY SEWER
○	TRAFFIC SIGNAL	○	STORM SEWER
○	TELEPHONE BOX	○	TELEPHONE OVERHEAD
○	TELEPHONE MANHOLE	○	TELEPHONE UNDERGROUND
○	HAND HOLE/JUNCTION BOX	○	WATERMAIN
○	CABLE TV BOX	○	FIBER OPTIC
○	CABLE TV MANHOLE	○	FENCE LINE
○	FIBER OPTIC MANHOLE	○	CONTROLLED ACCESS
○	FIBER OPTIC PEDESTAL	○	CURB & GUTTER
○	NATURAL GAS METER	○	CONCRETE SURFACE
○	NATURAL GAS VALVE	○	BITUMINOUS SURFACE
○	NATURAL GAS MANHOLE	○	GRAVEL SURFACE
○	NATURAL GAS RISER/SERVICE	○	WETLAND
○	NATURAL GAS VENT PIPE	○	FOUND MONUMENT (SEE LABEL)
○	NATURAL GAS WELL	○	SET MONUMENT (SEE LABEL)
○	AIR CONDITIONER		
○	UNKNOWN MANHOLE		
○	MISCELLANEOUS METER		
○	MISCELLANEOUS PEDESTAL		



DESIGNED: [ ] CHECKED: [ ] DRAWN: [ ]

INITIAL ISSUE: 07/01/2024

REVISIONS: [ ]

PREPARED FOR: STRIDE ACADEMY BUILDING COMPANY

3241 OAKHAM LANE  
ST. CLOUD, MN 56301

DATE: 07/01/2024 LICENSE NO. 54632

STRIDE ACADEMY EXPANSION

ST. CLOUD, MN

EXISTING CONDITIONS

SHEET NUMBER: C100

DATE: 07/01/2024

PROJECT NUMBER: 0043581.00

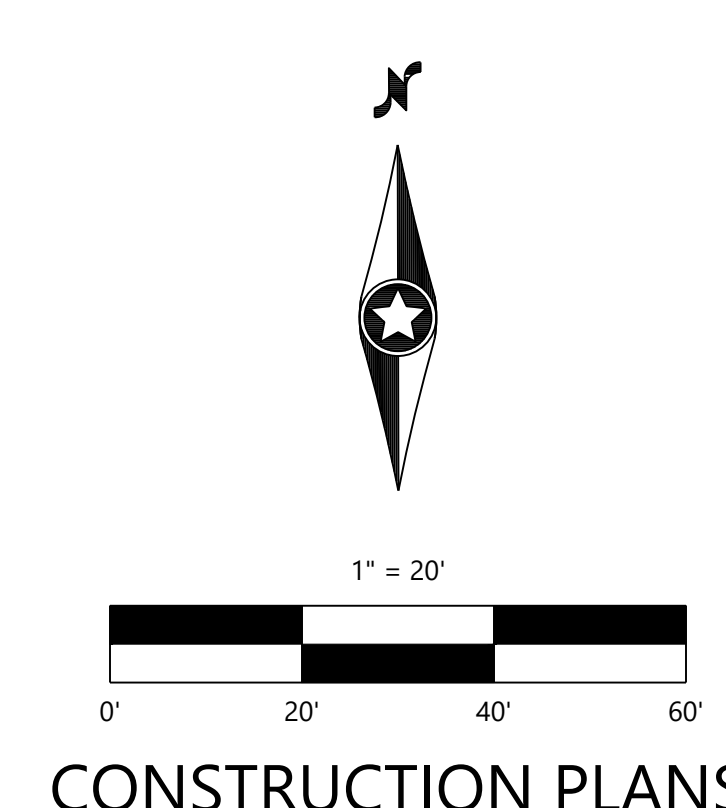
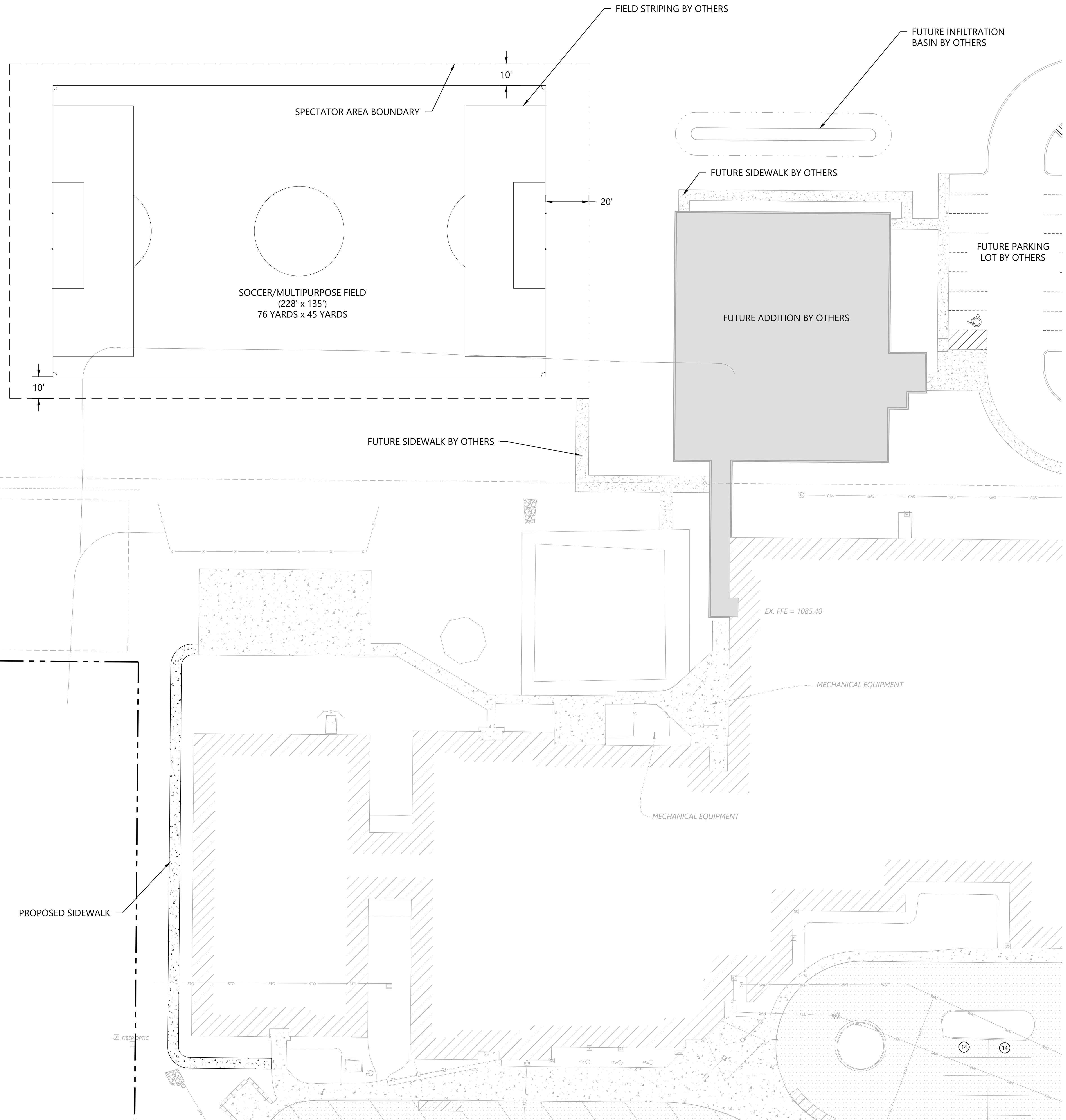
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**SITE LEGEND**

EXISTING	PROPOSED	
---	---	PROPERTY LINE
---	---	LOT LINE
---	---	SETBACK LINE
---	---	EASEMENT LINE
---	---	CURB AND GUTTER
---	---	TIP-OUT CURB AND GUTTER
---	---	POND NORMAL WATER LEVEL
---	---	RETAINING WALL
---	---	FENCE
---	---	CONCRETE PAVEMENT
---	---	CONCRETE SIDEWALK
---	---	HEAVY DUTY BITUMINOUS PAVEMENT
---	---	NORMAL DUTY BITUMINOUS PAVEMENT
---	---	NUMBER OF PARKING STALLS
---	---	TRANSFORMER
---	---	SITE LIGHTING
---	---	TRAFFIC SIGN
---	---	POWER POLE
---	---	BOLLARD / POST

**GENERAL SITE NOTES**

- BACKGROUND INFORMATION FOR THIS PROJECT PROVIDED BY WESTWOOD PROFESSIONAL SERVICES, ST. CLOUD, MN, 05/05/2023.
- 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.
- REFER TO BOUNDARY SURVEY FOR LOT BEARINGS, DIMENSIONS AND AREAS.
- 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.
- CONTRACTOR SHALL MAINTAIN FULL ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION AND TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES.



DESIGNED:	07/01/2024
CHECKED:	
DRAWN:	REDUCED PROJECT SCALE
APPROVED:	
DATE:	07/01/2024
SCALE:	AS SHOWN
SCALE:	AS SHOWN
SCALE:	AS SHOWN

PREPARED FOR:  
**STRIDE ACADEMY BUILDING COMPANY**  
3241 OAKHAM LANE  
ST. CLOUD, MN 56301

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DATE: 07/01/2024 LICENSE NO. 54832

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ST. CLOUD, MN

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**SITE PLAN**

SHEET NUMBER:

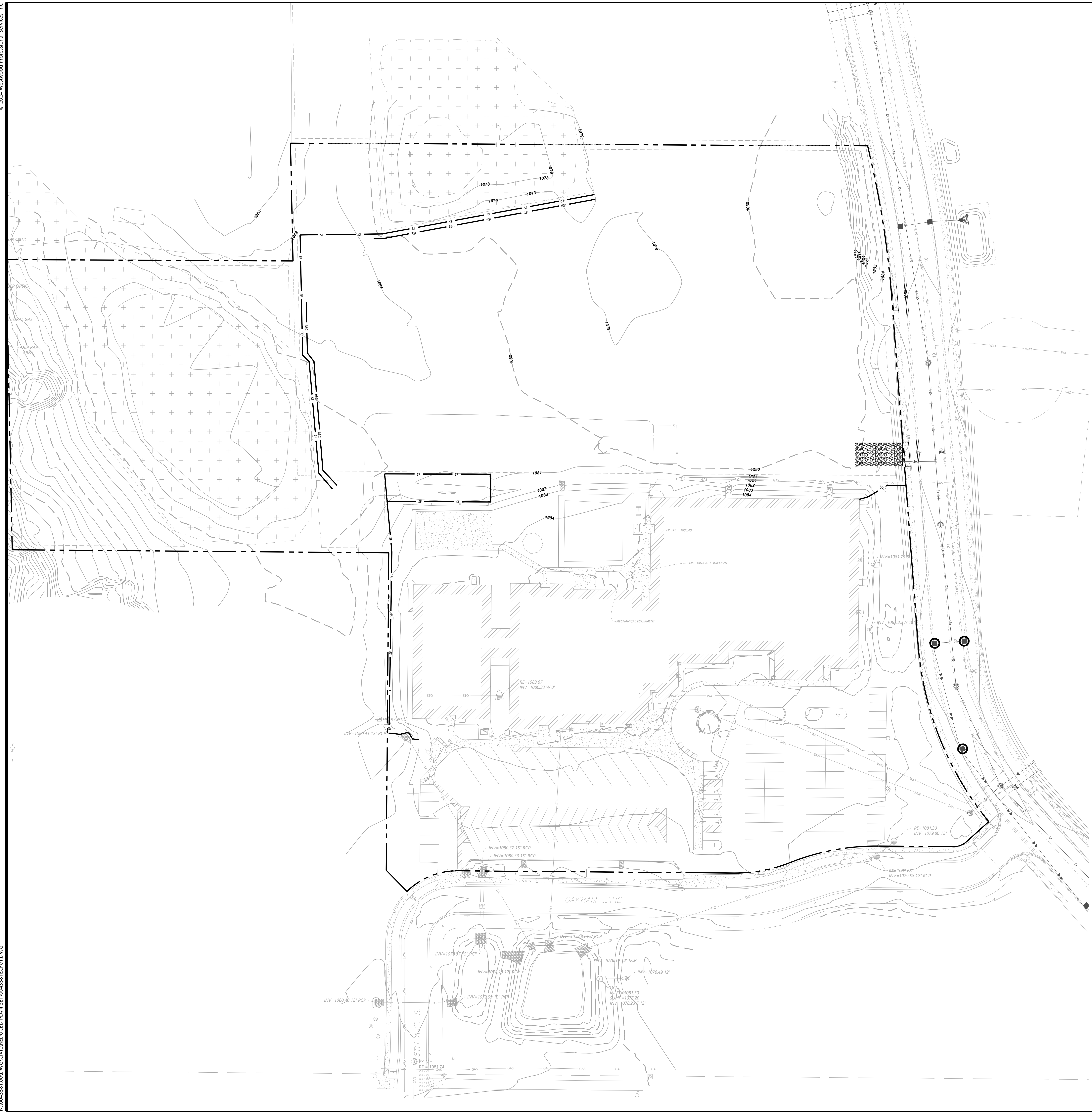
**C200**

DATE: 07/01/2024

PROJECT NUMBER: 0043581.00

STRIDE ACADEMY EXPANSION



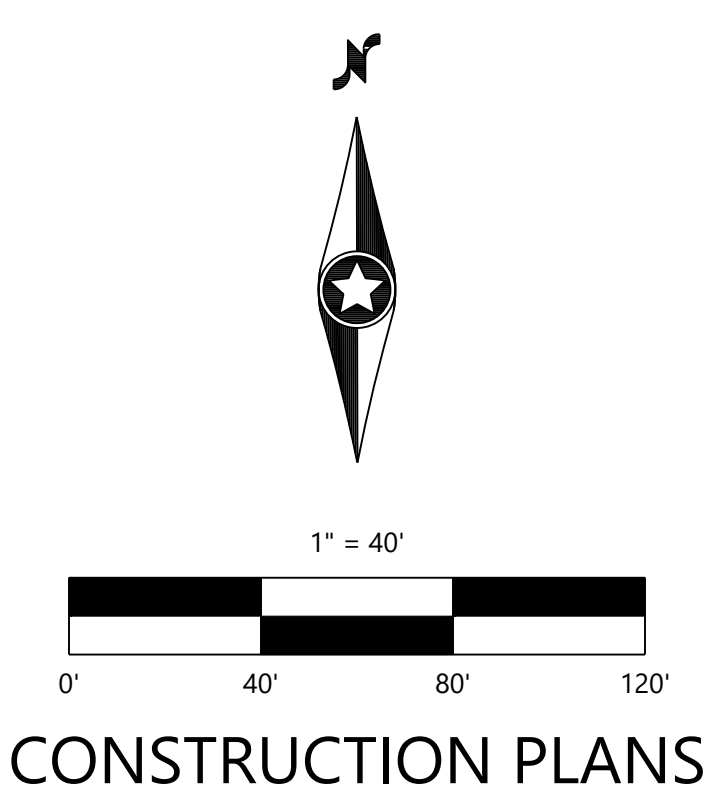


### EROSION CONTROL LEGEND

EXISTING	PROPOSED	
		PROPERTY LINE
		INDEX CONTOUR
		INTERVAL CONTOUR
		CURB AND GUTTER
		POND NORMAL WATER LEVEL
		SILT FENCE
		REDUNDANT SILT CONTROL
		STORM SEWER
		FLARED END SECTION (WITH RIPRAP)
		WATER MAIN
		SANITARY SEWER
		RETAINING WALL
		DRAIN TILE
		GRADING LIMITS
		ROCK CONSTRUCTION ENTRANCE
		EROSION CONTROL BLANKET
		TURF REINFORCEMENT MAT
		EMERGENCY OVERFLOW
		SOIL BORING LOCATION
		INLET PROTECTION

### GENERAL EROSION CONTROL NOTES

1. 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.
3. 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.
  - B. 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.



DESIGNED:	07/03/2024
CHECKED:	
DRAWN:	
APPROVED:	
DATE:	07/03/2024
PROJECT:	REDUCED PROJECT SCOPE
SCALE:	
VERTICAL SCALE:	8" = 4'

PREPARED FOR:  
**STRIDE ACADEMY BUILDING COMPANY**  
3241 OAKHAM LANE  
ST. CLOUD, MN 56301

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JOHN S. BLEWISER  
DATE: 07/03/2024 LICENSE NO. 54832

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**EROSION CONTROL PLAN**

SHEET NUMBER:  
**C400**  
DATE: 07/03/2024  
PROJECT NUMBER: 0043581.00

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 R10001 (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
- 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.

PROJECT LOCATION

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

Table with 2 columns: Role (OWNER/DEVELOPER, CONTRACTOR, SWPPP DESIGNER, SWPPP INSPECTION, BMP INSTALLER) and Name/Details (STRIDE ACADEMY BUILDING COMPANY, ERIC SKANSON, WESTWOOD PROFESSIONAL SERVICES, etc.)

OWNER/OPERATOR RESPONSIBILITIES

- OWNER
-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.

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. 7070)
-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.

Table with 1 column: Description (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 NEEHAH 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 OVERLYING 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 NEEHAH 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

Table with 5 columns: NAME, TYPE, IMPAIRED (Y/N), SPECIAL (Y/N), DISTANCE AND DIRECTION FROM SITE. Row 1: NEEHAH CREEK, STREAM, N, Y, 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 BMP'S, 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:

Table with 3 columns: POTENTIAL POLLUTANT, LOCATION, CONTROL MEASURE. Rows include ANTIFREEZE, DIESEL FUEL, FERTILIZER, GASOLINE, GLUE/ADHESIVES, HYDRAULIC OILS/FLUIDS, PAINTS, GREASE, SANITARY WASTE, SOIL AMENDMENTS, LANDSCAPING MATERIALS, CONCRETE, CONCRETE / MORTAR.

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.
2. INSTALL STABILIZED ROCK CONSTRUCTION ENTRANCE.
3. CLEAR AND GRUB SITE.
4. STRIP AND STOCKPILE TOPSOIL.
5. ROUGH GRADE OF SITE.
6. STABILIZE DENUDEED AREAS AND STOCKPILES.
7. 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 BOLLIVARIABLES AND 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.

CONSTRUCTION NOTES

IT 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 USE. 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. PLACE 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.
2. 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 SOODED.
3. 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.
7. 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

REQUIREMENTS OF THIS SWPPP 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 THIS PLAN

INSPECTION SCHEDULE

- IF THE SITE IS ACTIVE: INSPECTION NEEDED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAINFALL GREATER THAN 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.

SCOPE OF INSPECTION SHALL INCLUDE:

- 1. RECORD DATE AND TIME OF INSPECTION
2. NAME OF PERSON(S) CONDUCTING INSPECTION
3. FINDINGS OF THE INSPECTION
4. LOCATION AND CORRECTIVE ACTIONS NEEDED
5. CORRECTIVE ACTIONS TAKEN (DATE/TIME/BY WHOM)
6. DATE AND AMOUNT OF RAINFALL (RAINFALL AMOUNTS TO BE TAKEN FROM AN ONSITE RAIN GAUGE)
7. OBSERVED DISCHARGE LOCATIONS
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 ELECTRONIC FORM ON SITE.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES

THE OWNER/CONTRACTOR IS RESPONSIBLE FOR THE OPERATION, MAINTENANCE OF TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT BMP'S AS WELL AS ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S, FOR THE DURATION OF THE CONSTRUCTION WORK AT THE SITE. THE CONTRACTOR MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS DURING ALL ROUTINE AND POST RAINFALL EVENTS. ALL NONFUNCTIONAL BMP'S MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMP'S 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 REPLACEMENT:

- 1. ALL NON-FUNCTIONAL BMP'S - 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 BMP'S, 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 1/2 OF THE STORAGE VOLUME - CLEAN OUT, REMOVE ACCUMULATED SEDIMENT MATERIAL WITHIN 7 DAYS OF OBSERVATION, OR AS FIELD CONDITIONS ALLOW ACCESS.
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 OR PREVENT WASHING FROM FORECASTED RAINS.

TERMINATION OF COVERAGE

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 ITS 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 HAVE BEEN MET.

SWPPP BMP QUANTITIES

Table with 2 columns: BMP Type, Quantity. Rows: SILT FENCE (1650 LF), INLET PROTECTION (9 EACH), PERMANENT SEED MIX (25-131) (275 LBS), ROCK CONSTRUCTION ENTRANCE (1 EACH), STREET SWEEPING (1 EACH)

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Vertical table with columns: INITIAL ISSUE, REVISIONS, DESIGNED, CHECKED, DRAWN, DIMENSIONAL SCALE, SHEET # OF #.

PREPARED FOR STRIDE ACADEMY BUILDING COMPANY 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 LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA JOHN S. BLEWISER DATE: 07/03/2024 LICENSE NO.: 54632

STRIDE ACADEMY EXPANSION ST. CLOUD, MN

Westwood Professional Services, Inc. 1900 Medical Arts Ave S, Suite 100 St. Cloud, MN 56301 (820) 255-8885 (820) 255-8001 www.westwoodprofs.com

SWPPP NARRATIVE

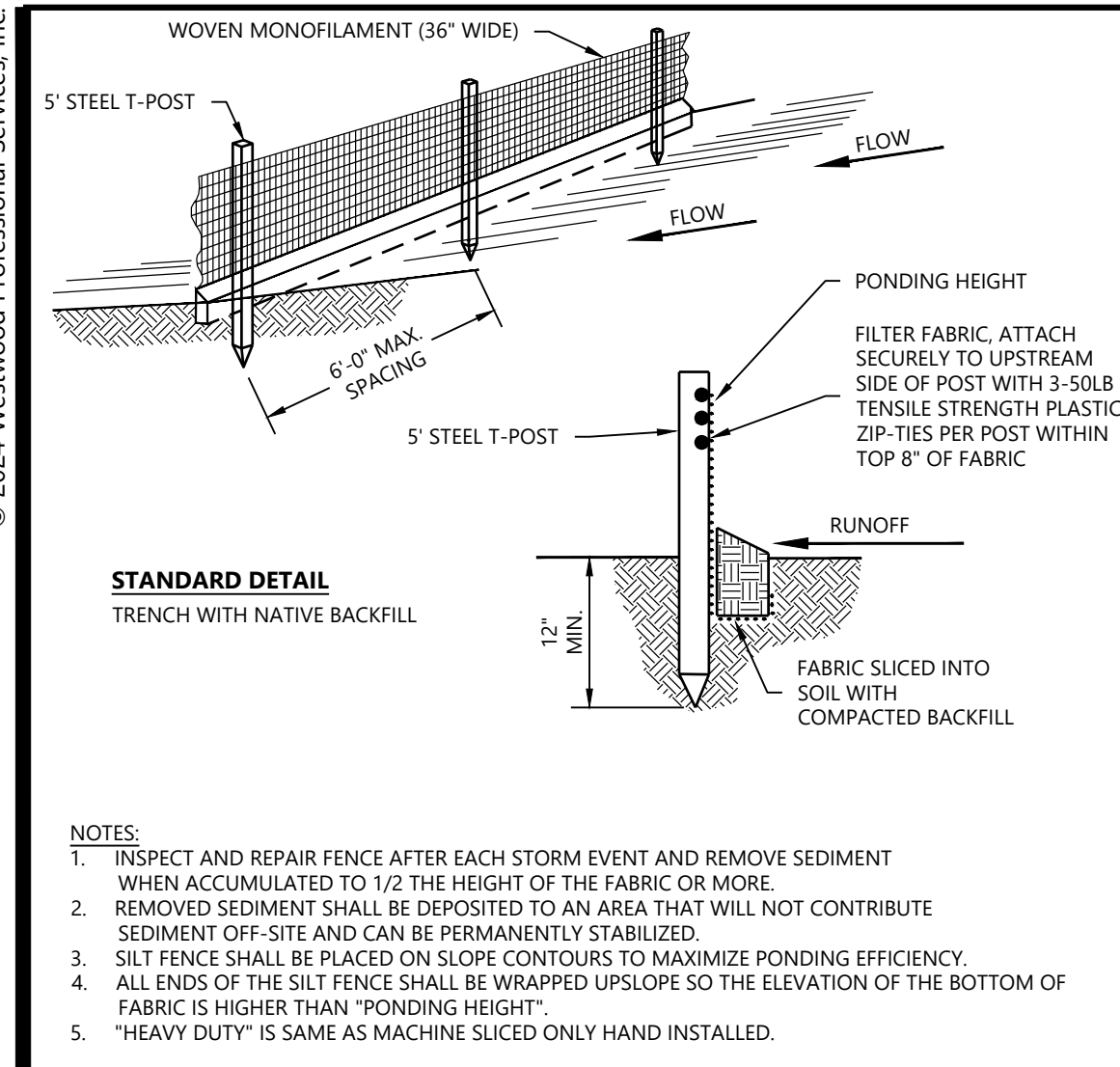
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DATE: 07/03/2024

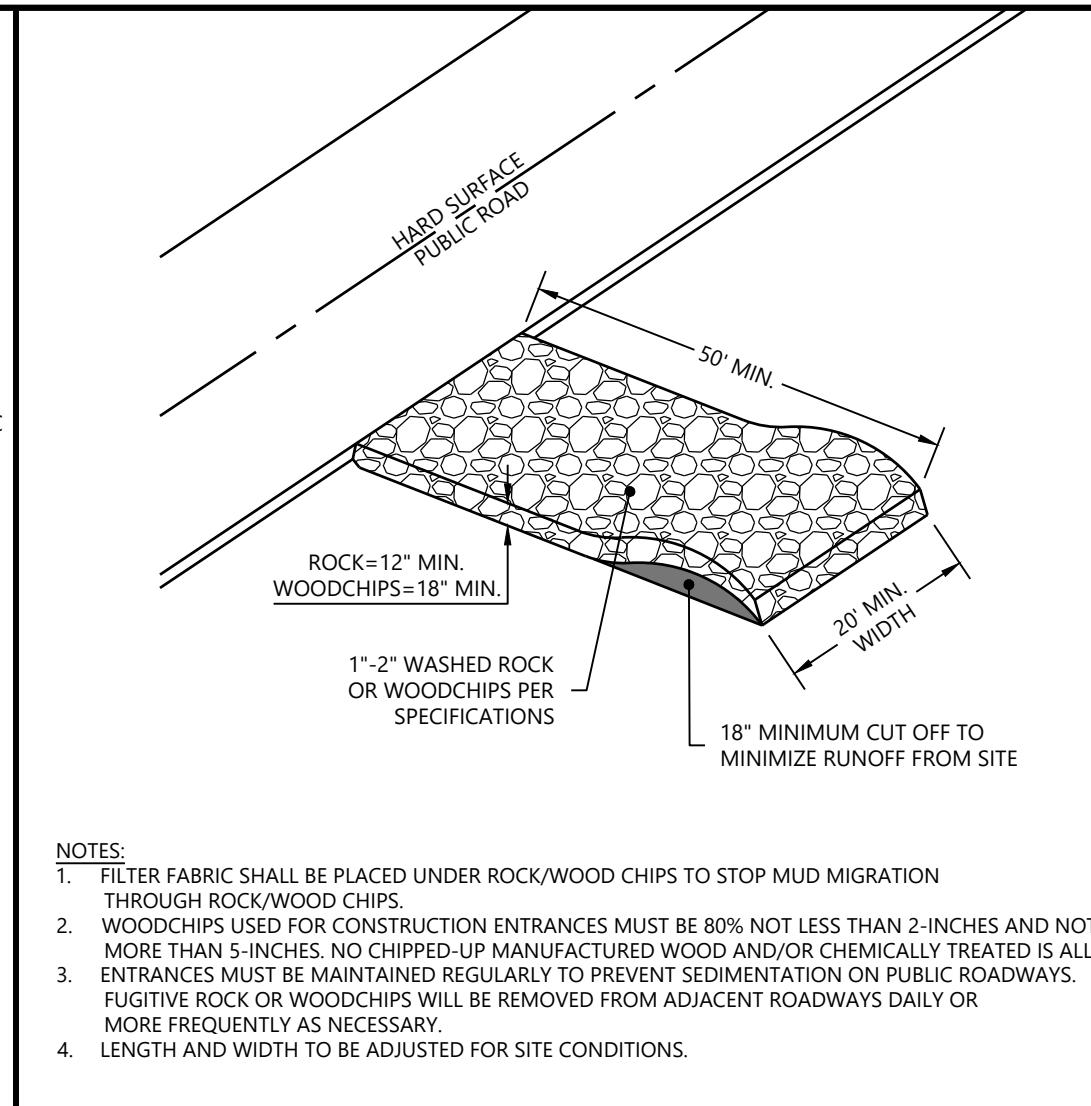
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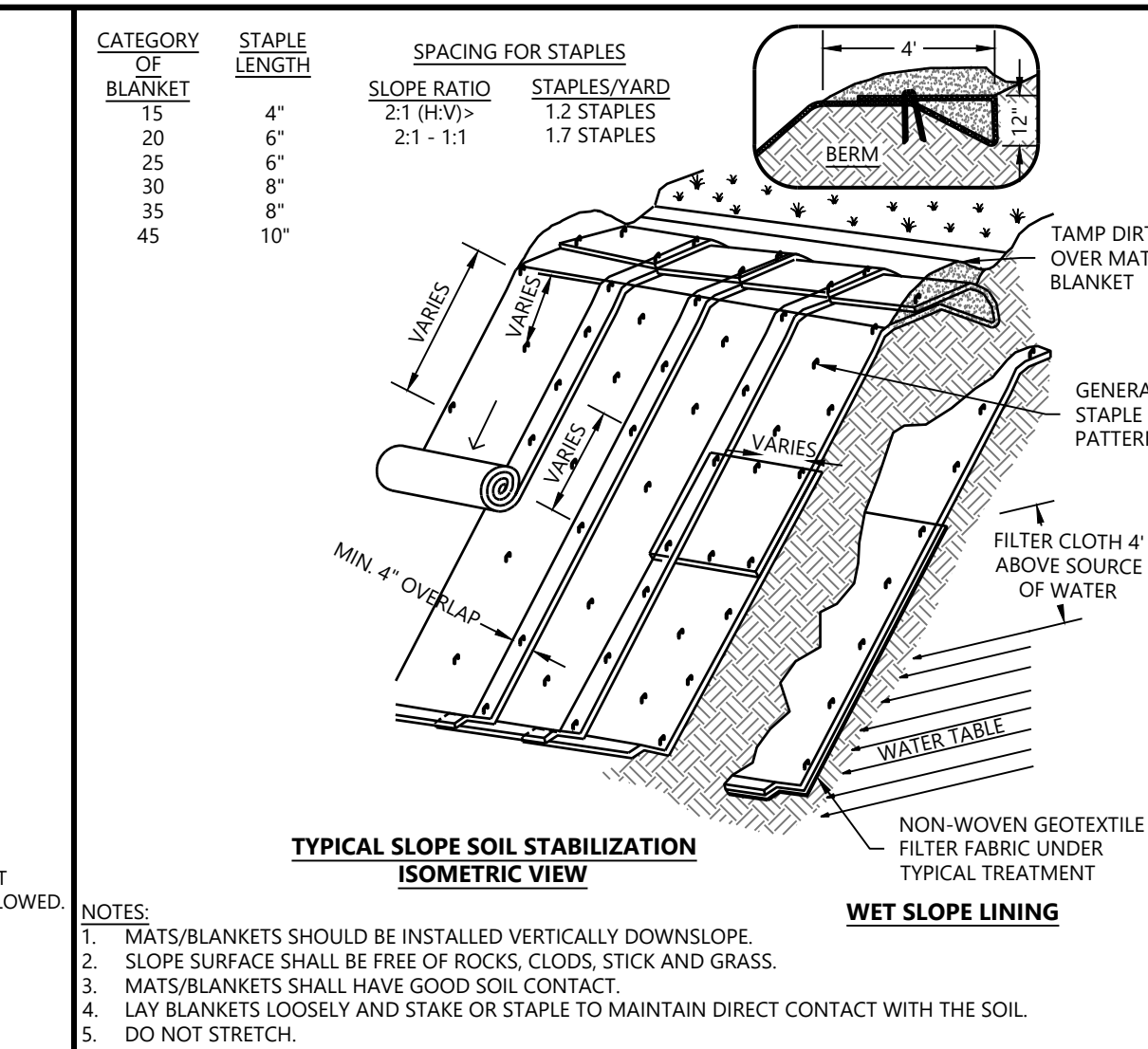
**STANDARD DETAIL**  
TRENCH WITH NATIVE BACKFILL

NOTES:  
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO 1/2 THE HEIGHT OF THE FABRIC OR MORE.  
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.  
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.  
4. ALL ENDS OF THE SILT FENCE SHALL BE WRAPPED UPSLOPE SO THE ELEVATION OF THE BOTTOM OF FABRIC IS HIGHER THAN "PONDING HEIGHT".  
5. "HEAVY DUTY" IS SAME AS MACHINE SLICED ONLY HAND INSTALLED.



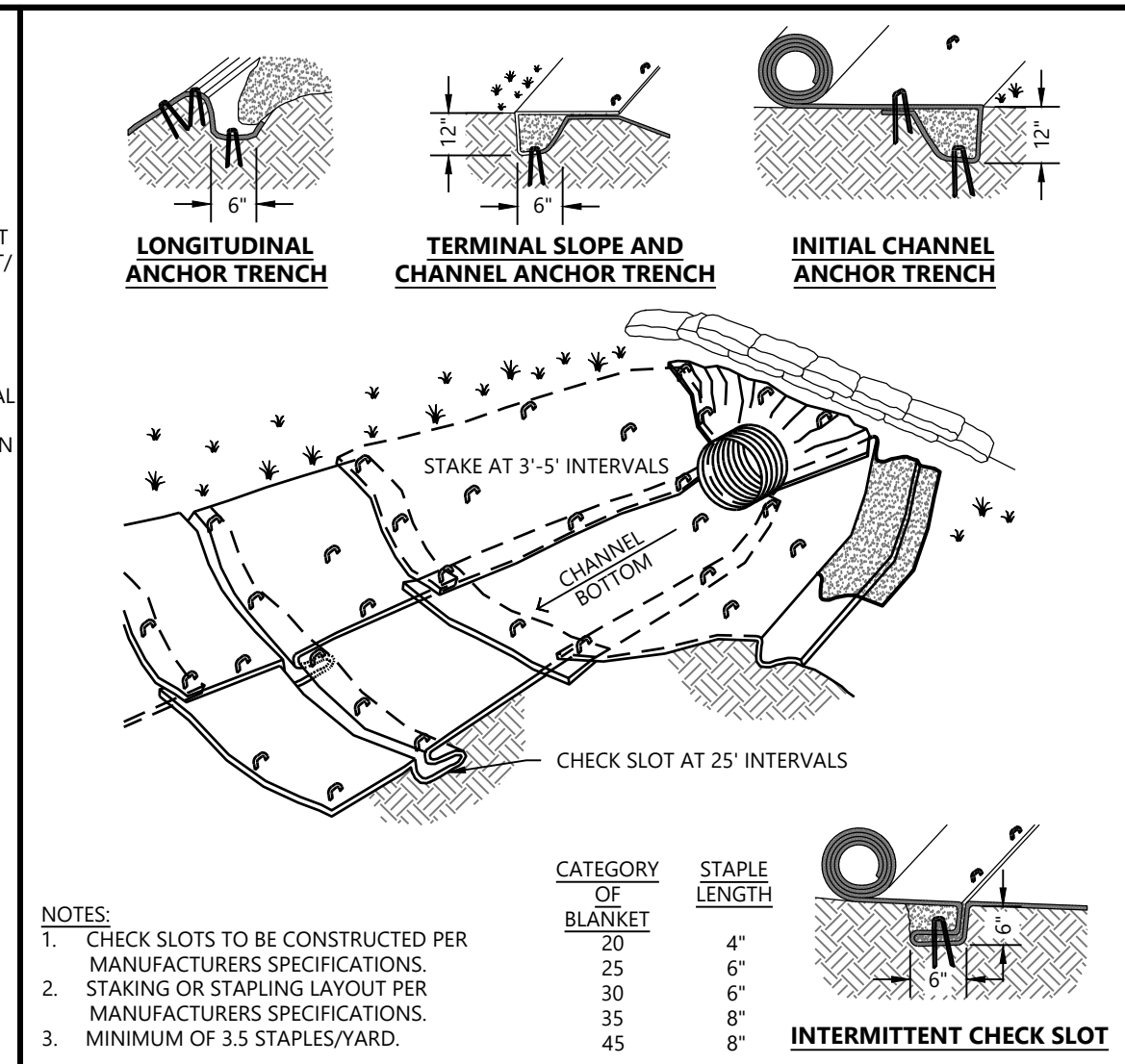
**CONSTRUCTION ENTRANCE**

NOTES:  
1. FILTER FABRIC SHALL BE PLACED UNDER ROCK/WOOD CHIPS TO STOP MUD MIGRATION THROUGH ROCK/WOOD CHIPS.  
2. WOODCHIPS USED FOR CONSTRUCTION ENTRANCES MUST BE 80% NOT LESS THAN 2-INCHES AND NOT MORE THAN 5-INCHES. NO CHIPPED-UP MANUFACTURED WOOD AND/OR CHEMICALLY TREATED IS ALLOWED.  
3. ENTRANCES MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS. FUGITIVE ROCK OR WOODCHIPS WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.  
4. LENGTH AND WIDTH TO BE ADJUSTED FOR SITE CONDITIONS.



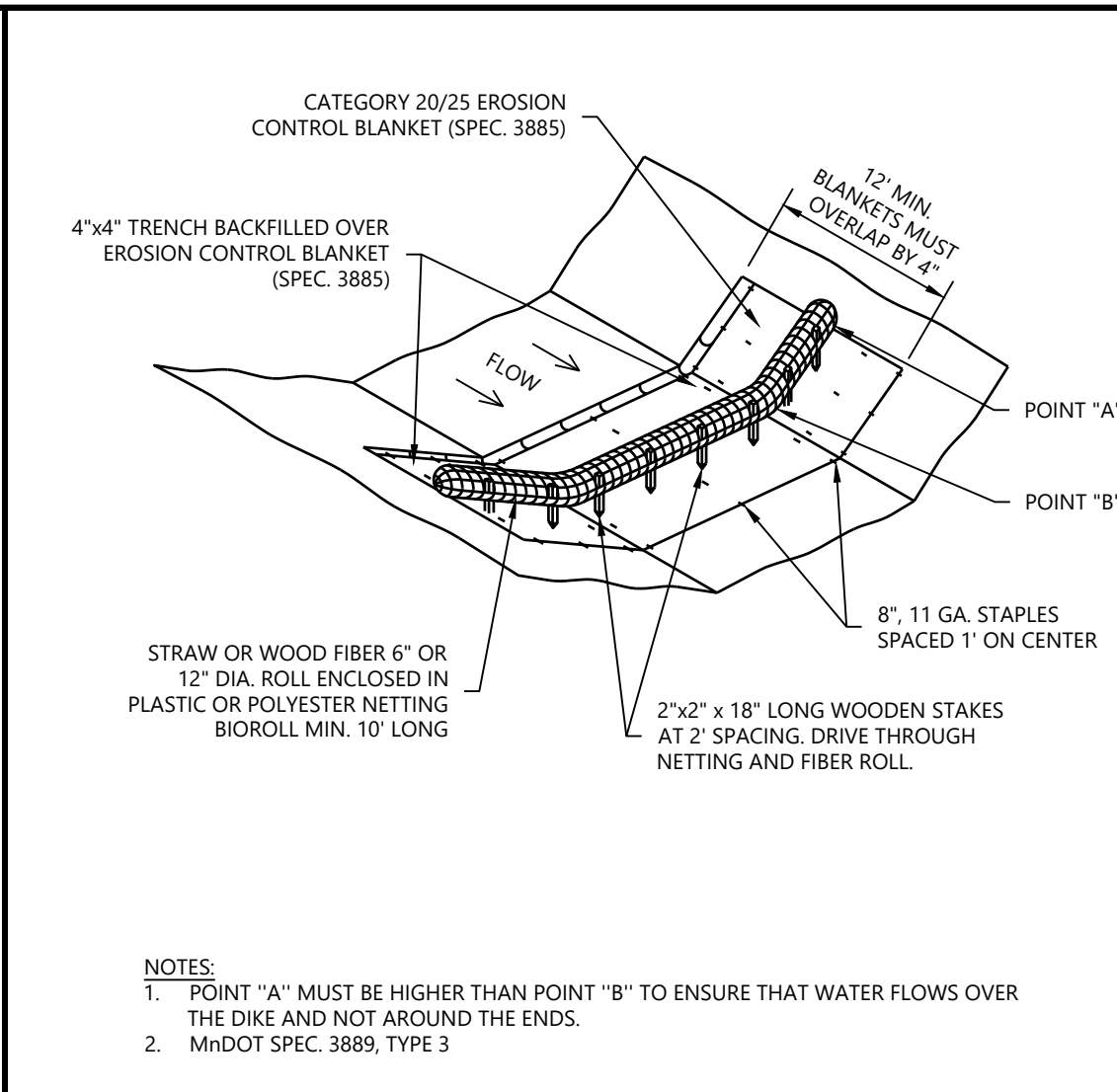
**TEMPORARY EROSION BLANKETS**  
TURF REINFORCEMENT MATS FOR SLOPES

NOTES:  
1. MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.  
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICK AND GRASS.  
3. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.  
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL.  
5. DO NOT STRETCH.



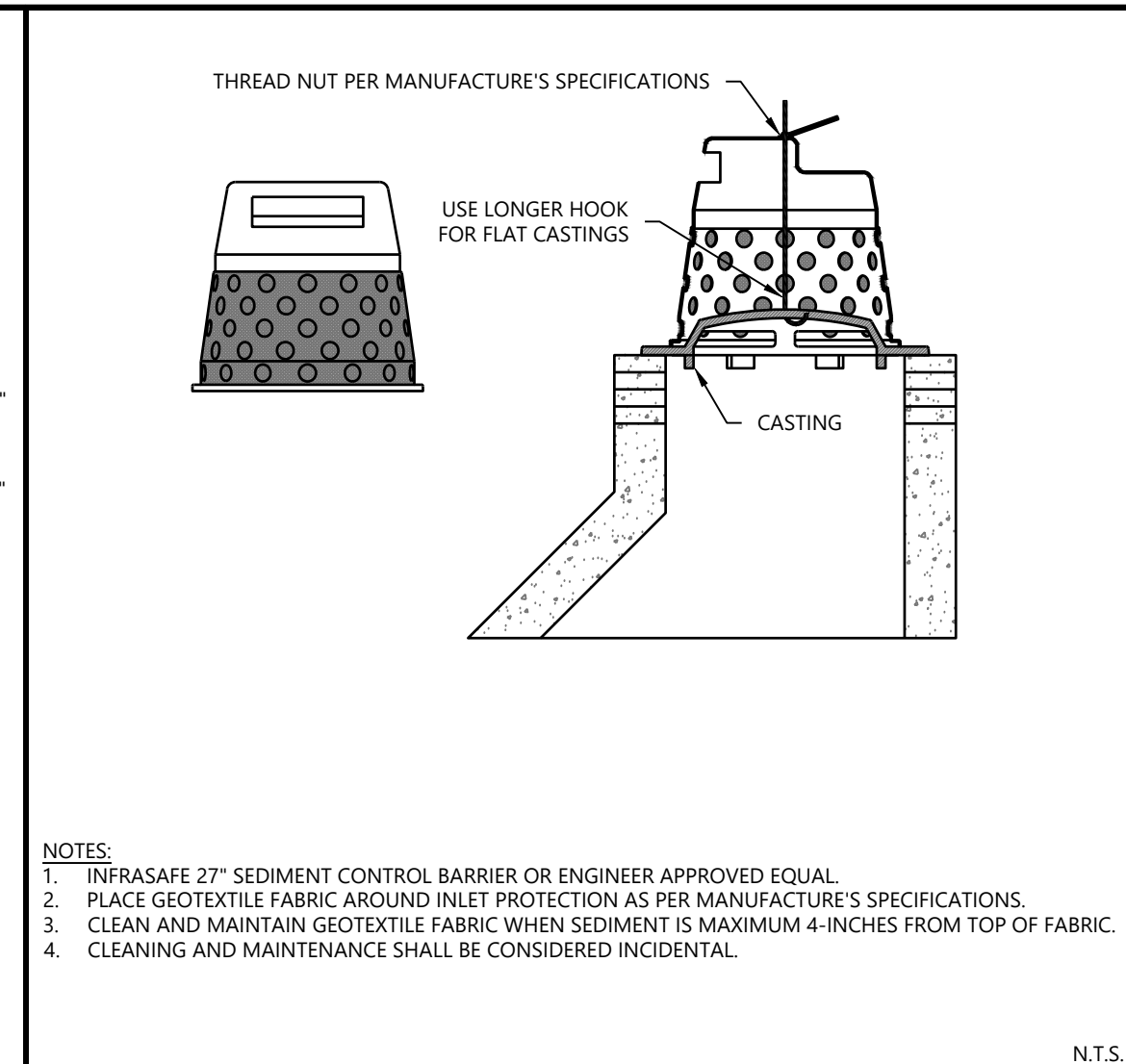
**TEMPORARY EROSION BLANKETS**  
TURF REINFORCEMENT MATS FOR CHANNELS

NOTES:  
1. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURER'S SPECIFICATIONS.  
2. STAKING OR STAPLING LAYOUT PER MANUFACTURER'S SPECIFICATIONS.  
3. MINIMUM OF 3:3 STAPLES/YARD



**TEMPORARY BIOROLL BLANKET SYSTEM**  
(DITCH APPLICATION)

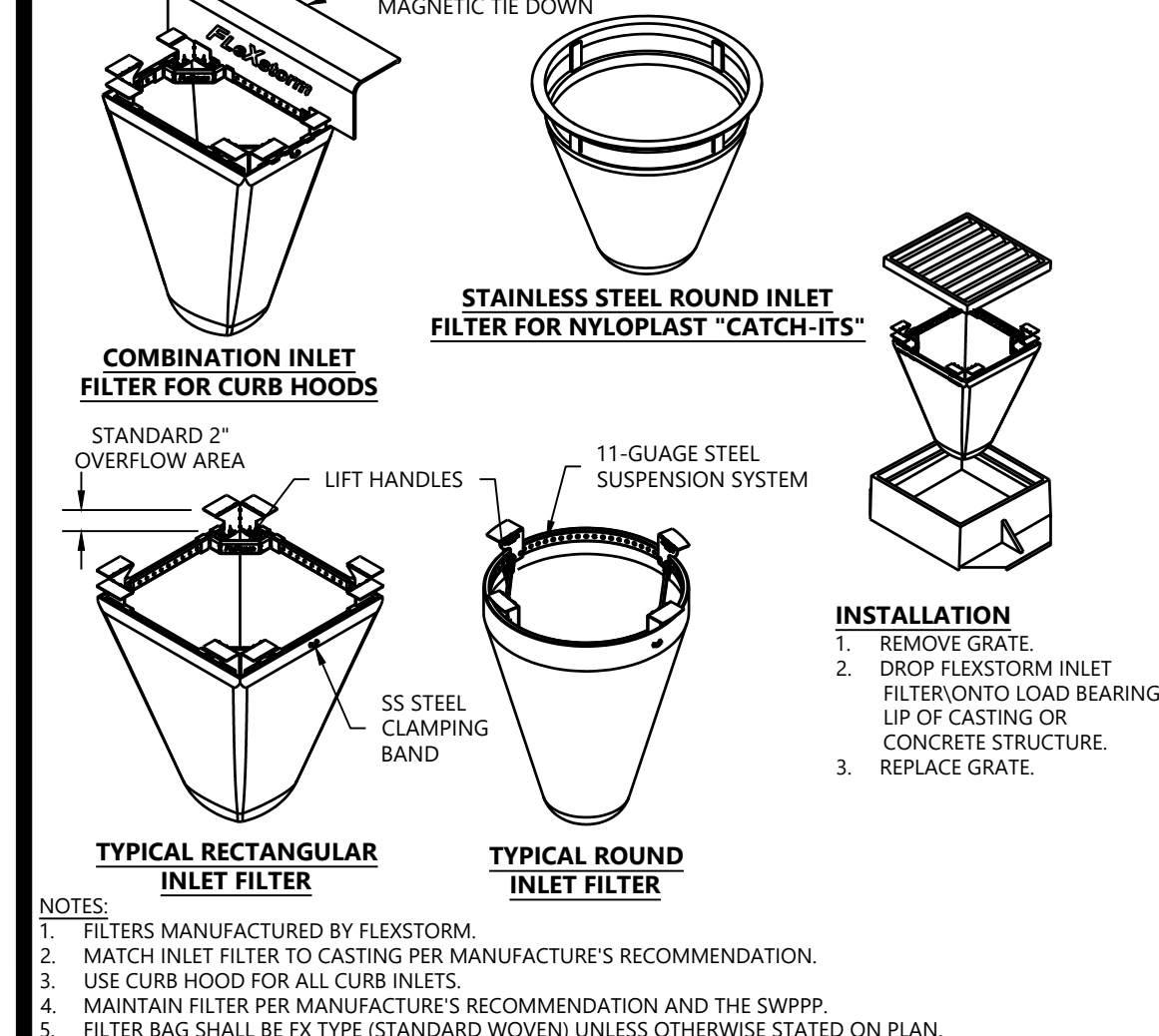
NOTES:  
1. POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.  
2. MHDOT SPEC. 3889, TYPE 3



**MANUFACTURED 27\"/>
 INLET PROTECTION**

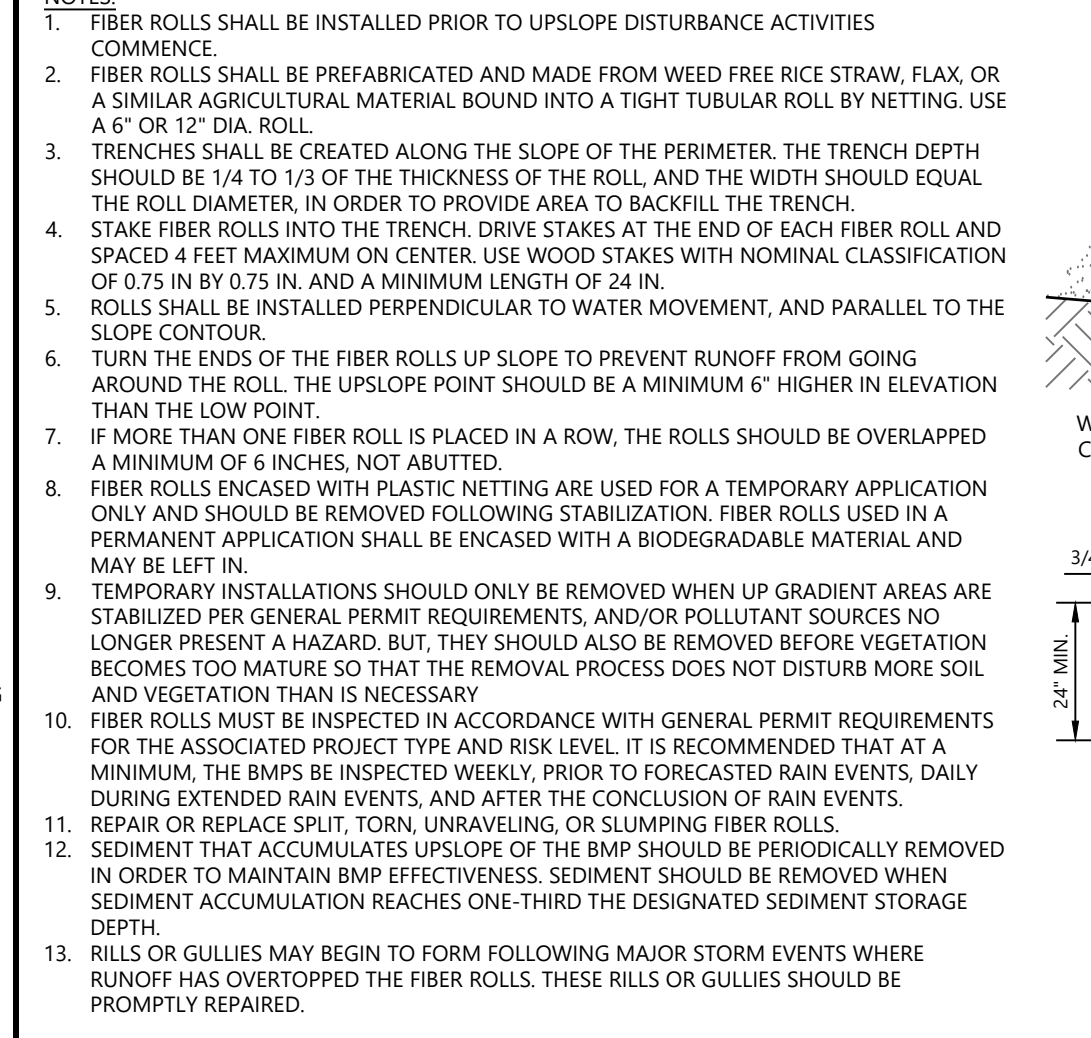
NOTES:  
1. TERRASAFE 27\"/>
 SEDIMENT CONTROL BARRIER OR ENGINEER APPROVED EQUAL.  
2. PLACE GEOTEXTILE FABRIC AROUND INLET PROTECTION AS PER MANUFACTURER'S SPECIFICATIONS.  
3. CLEAN AND MAINTAIN GEOTEXTILE FABRIC WHEN SEDIMENT IS MAXIMUM 4-INCHES FROM TOP OF FABRIC.  
4. CLEANING AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL.

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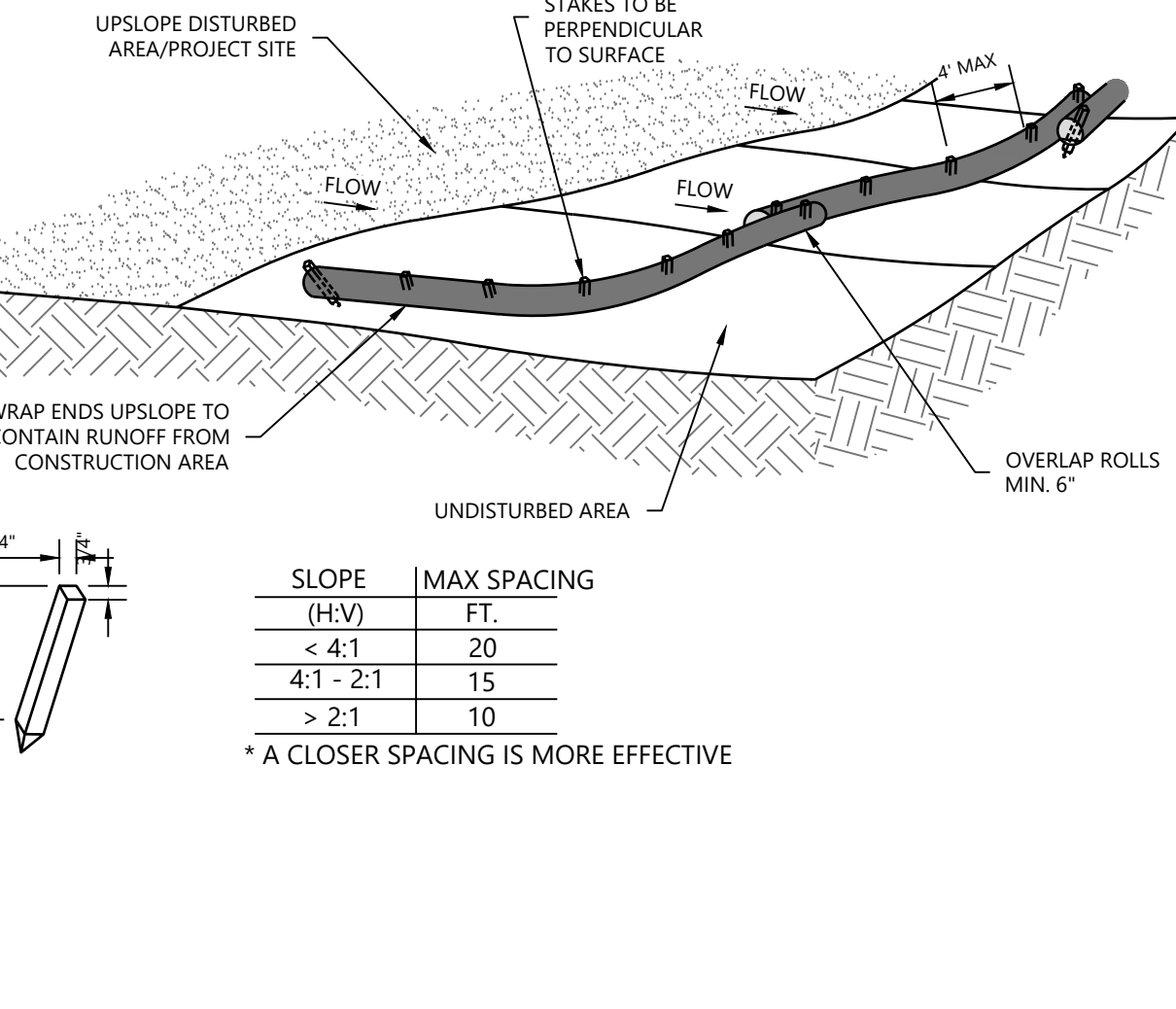
**MANUFACTURED INLET PROTECTION**

NOTES:  
1. FILTERS MANUFACTURED BY FLEKSTORM.  
2. MATCH INLET FILTER TO CASTING PER MANUFACTURER'S RECOMMENDATION.  
3. USE CURB HOOD FOR ALL CURB INLETS.  
4. MAINTAIN FILTER PER MANUFACTURER'S RECOMMENDATION AND THE SWPPP.  
5. FILTER BAG SHALL BE FX TYPE (STANDARD WOVEN) UNLESS OTHERWISE STATED ON PLAN.



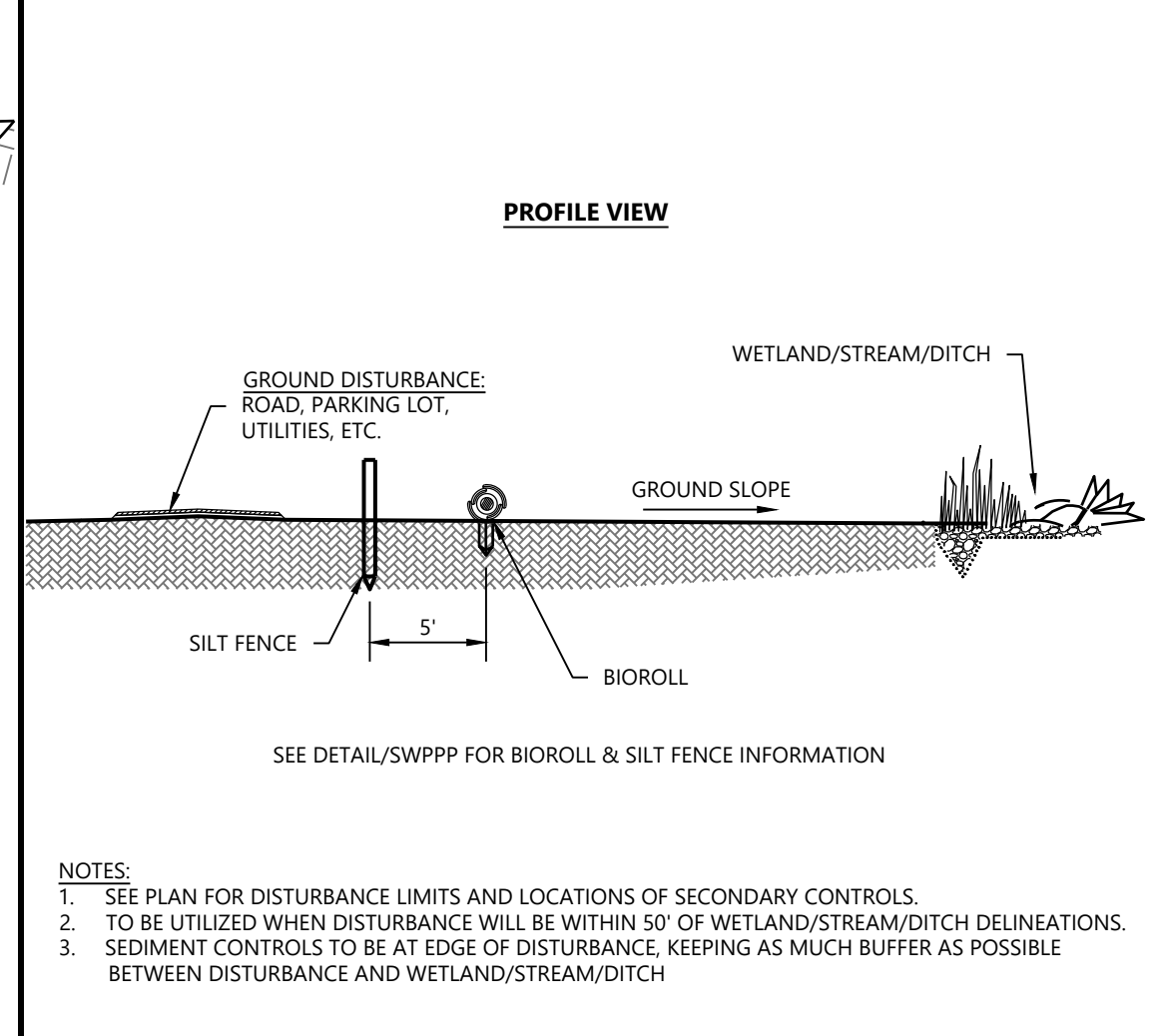
**TYPICAL FIBER ROLLS FOR PERIMETER CONTROL OF CONSTRUCTION AREA LIMIT**

NOTES:  
1. SEE PLAN FOR DISTURBANCE LIMITS AND LOCATIONS OF SECONDARY CONTROLS.  
2. TO BE UTILIZED WHEN DISTURBANCE WILL BE WITHIN 50' OF WETLAND/STREAM/DITCH DELINEATIONS.  
3. SEDIMENT CONTROLS TO BE AT EDGE OF DISTURBANCE, KEEPING AS MUCH BUFFER AS POSSIBLE BETWEEN DISTURBANCE AND WETLAND/STREAM/DITCH



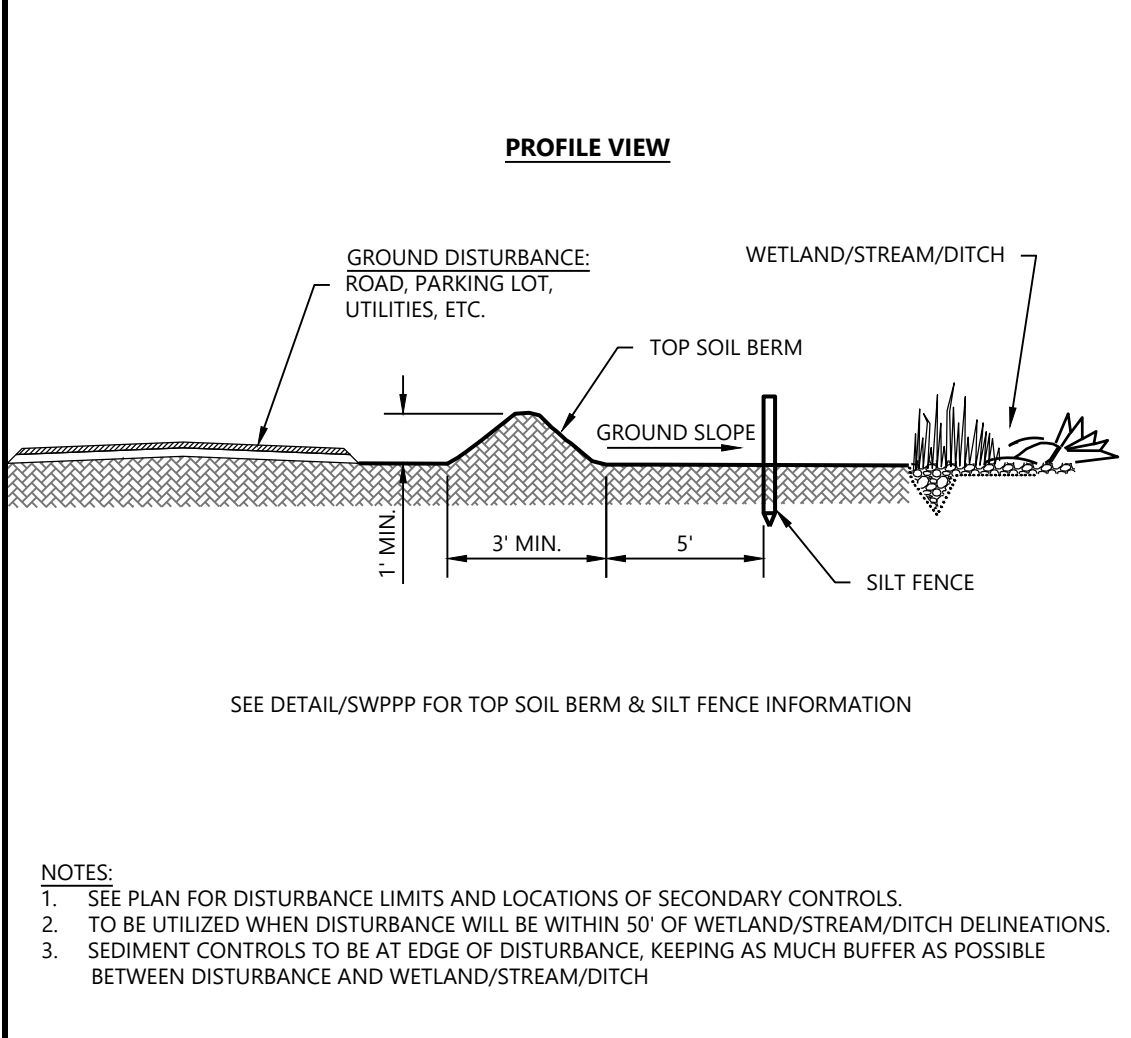
**REDUNDANT SEDIMENT CONTROL OPTION 1**

NOTES:  
1. SEE PLAN FOR DISTURBANCE LIMITS AND LOCATIONS OF SECONDARY CONTROLS.  
2. TO BE UTILIZED WHEN DISTURBANCE WILL BE WITHIN 50' OF WETLAND/STREAM/DITCH DELINEATIONS.  
3. SEDIMENT CONTROLS TO BE AT EDGE OF DISTURBANCE, KEEPING AS MUCH BUFFER AS POSSIBLE BETWEEN DISTURBANCE AND WETLAND/STREAM/DITCH



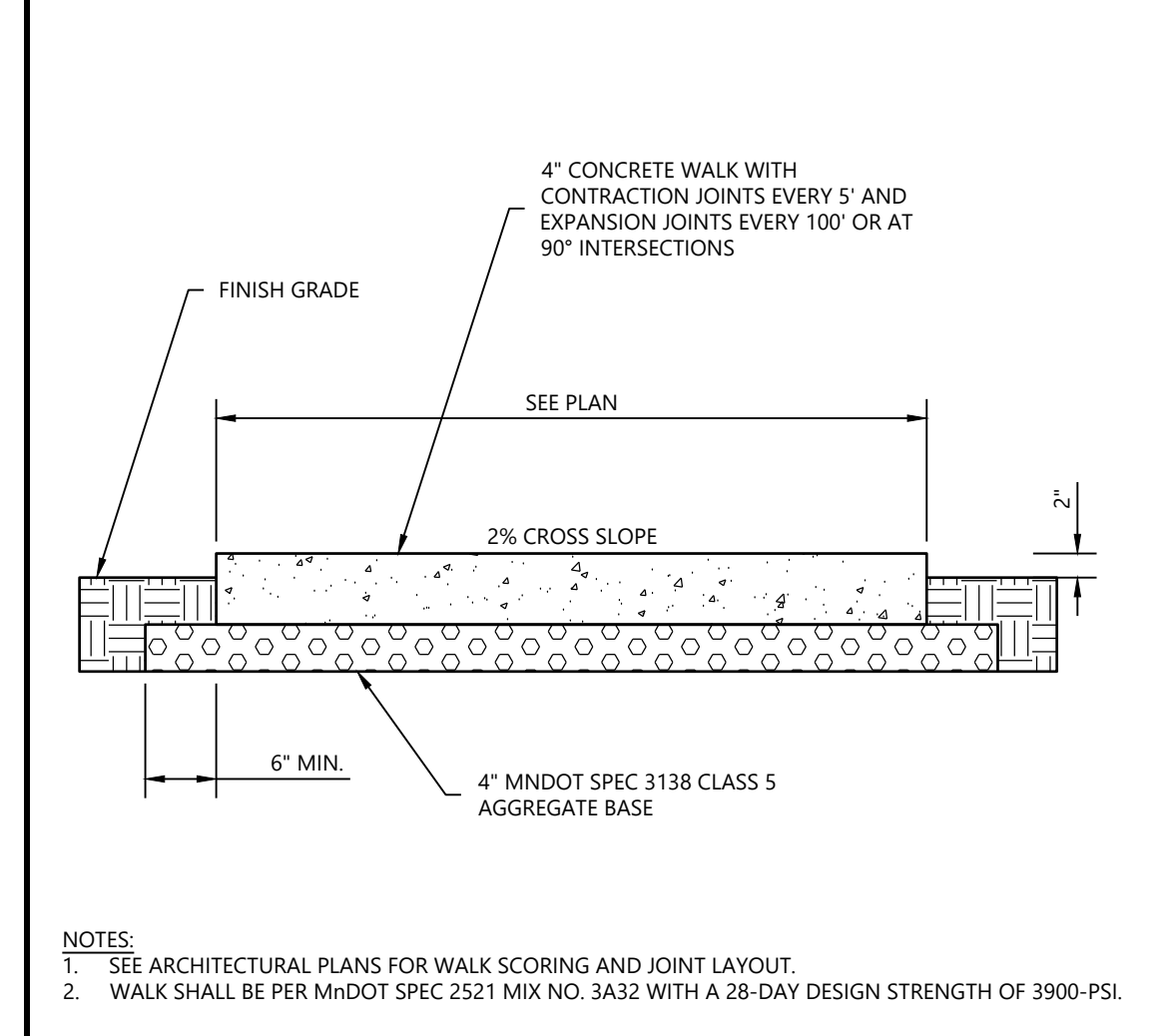
**REDUNDANT SEDIMENT CONTROL OPTION 2**

NOTES:  
1. SEE PLAN FOR DISTURBANCE LIMITS AND LOCATIONS OF SECONDARY CONTROLS.  
2. TO BE UTILIZED WHEN DISTURBANCE WILL BE WITHIN 50' OF WETLAND/STREAM/DITCH DELINEATIONS.  
3. SEDIMENT CONTROLS TO BE AT EDGE OF DISTURBANCE, KEEPING AS MUCH BUFFER AS POSSIBLE BETWEEN DISTURBANCE AND WETLAND/STREAM/DITCH



**PRIVATE CONCRETE SIDEWALK**

NOTES:  
1. SEE ARCHITECTURAL PLANS FOR WALK SCORING AND JOINT LAYOUT.  
2. WALK SHALL BE PER MHDOT SPEC. 262.3 MIX NO. 3A52 WITH A 28-DAY DESIGN STRENGTH OF 3900-PSI.



**MANUFACTURED 27\"/>
 INLET PROTECTION**

NOTES:  
1. TERRASAFE 27\"/>
 SEDIMENT CONTROL BARRIER OR ENGINEER APPROVED EQUAL.  
2. PLACE GEOTEXTILE FABRIC AROUND INLET PROTECTION AS PER MANUFACTURER'S SPECIFICATIONS.  
3. CLEAN AND MAINTAIN GEOTEXTILE FABRIC WHEN SEDIMENT IS MAXIMUM 4-INCHES FROM TOP OF FABRIC.  
4. CLEANING AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL.

**MACHINE SLICED SILT FENCE**  
(HEAVY DUTY)

**CONSTRUCTION ENTRANCE**

**TEMPORARY EROSION BLANKETS**  
TURF REINFORCEMENT MATS FOR SLOPES

**TEMPORARY EROSION BLANKETS**  
TURF REINFORCEMENT MATS FOR CHANNELS

**TEMPORARY BIOROLL BLANKET SYSTEM**  
(DITCH APPLICATION)

**MANUFACTURED 27\"/>
 INLET PROTECTION**

LAST REVISED: 06/15/17  
GD03

LAST REVISED: 06/15/17  
GD05

LAST REVISED: 06/20/21  
GD21

LAST REVISED: 04/20/21  
GD22

LAST REVISED: 06/20/21  
GD23

LAST REVISED: 11/23/09  
GD29

LAST REVISED: 08/15/17  
GD32

LAST REVISED: 08/15/17  
GD42

LAST REVISED: 08/15/17  
GD43

LAST REVISED: 04/20/21  
GD44

LAST REVISED: 08/15/17  
SI08

LAST REVISED: 11/23/09  
GD29

DESIGNED:	07/03/2024
CHECKED:	
DRAWN:	
APPROVED PROJECT SCOPE:	
HORIZONTAL SCALE:	
VERTICAL SCALE:	

PREPARED FOR:  
**STRIDE ACADEMY BUILDING COMPANY**  
3241 OAKHAM LANE  
ST. CLOUD, MN 56301

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
JOHN L. BLEWISER  
DATE: 07/03/2024 LICENSE NO. 54652

**STRIDE ACADEMY EXPANSION**  
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**DETAILS**  
SHEET NUMBER:  
**C500**  
DATE: 07/03/2024  
PROJECT NUMBER: 0043581.00