

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

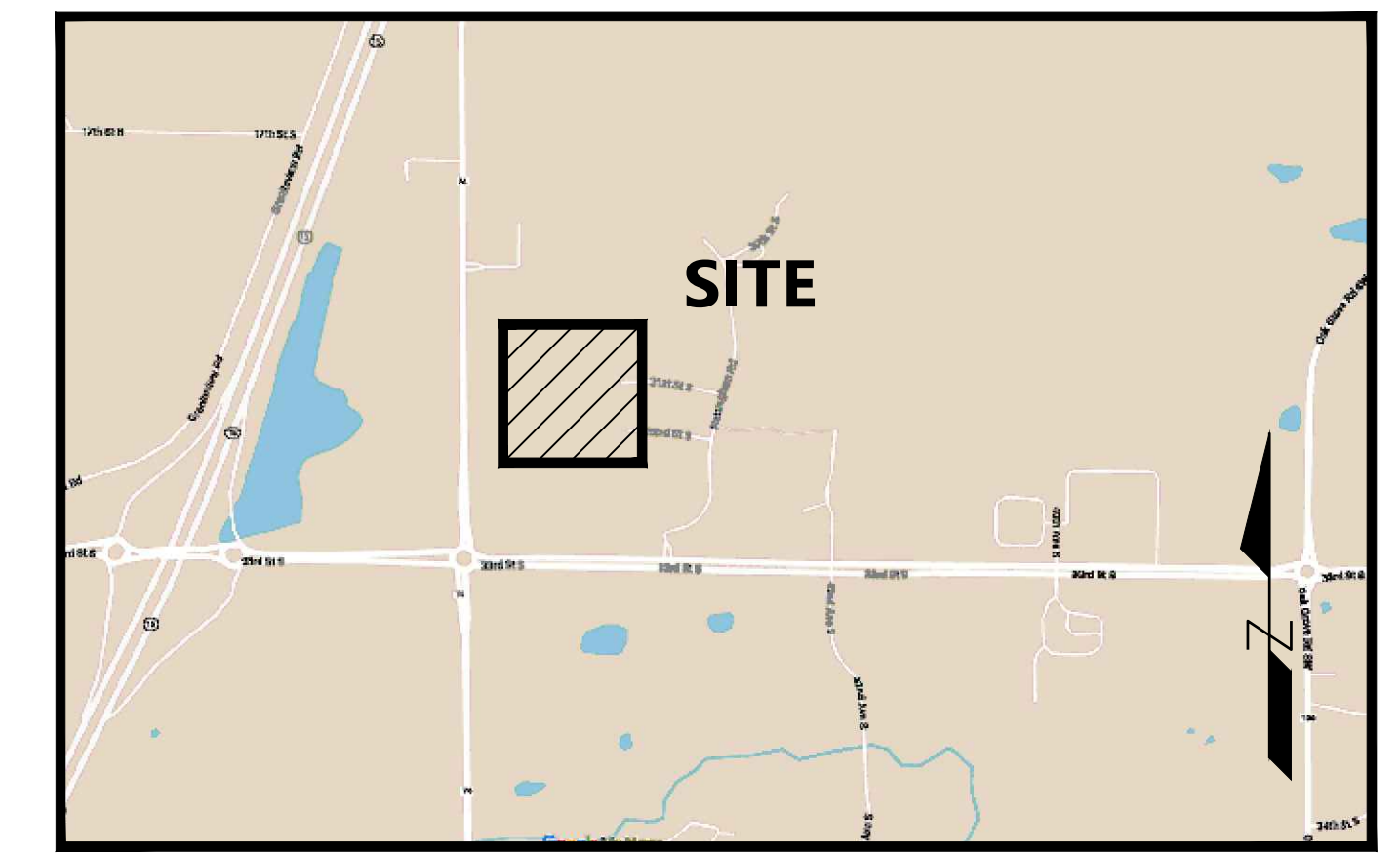
Phone (320) 253-9495 1900 Medical Arts Ave S, Suite 100
Fax (320) 358-2001 Sartell, MN 56377
Toll Free (800) 270-9495 westwoodps.com

Westwood Professional Services, Inc.

PROJECT NUMBER: 0043581.00

CONTACT: JOHN S. BLENKER

JOHN S. BLENKER
DATE 09/12/24 LICENSE NO. 54832



Vicinity Map
(NOT TO SCALE)

SHEET INDEX

SHEET NUMBER	SHEET TITLE
C001	COVER
C100	EXISTING CONDITIONS & REMOVALS
C200	SITE PLAN
C300	GRADING PLAN
C400	EROSION CONTROL PLAN
C401	SWPPP NARRATIVE
C402	SWPPP NOTES
C500	DETAILS

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

CONSTRUCTION PLANS

FOR

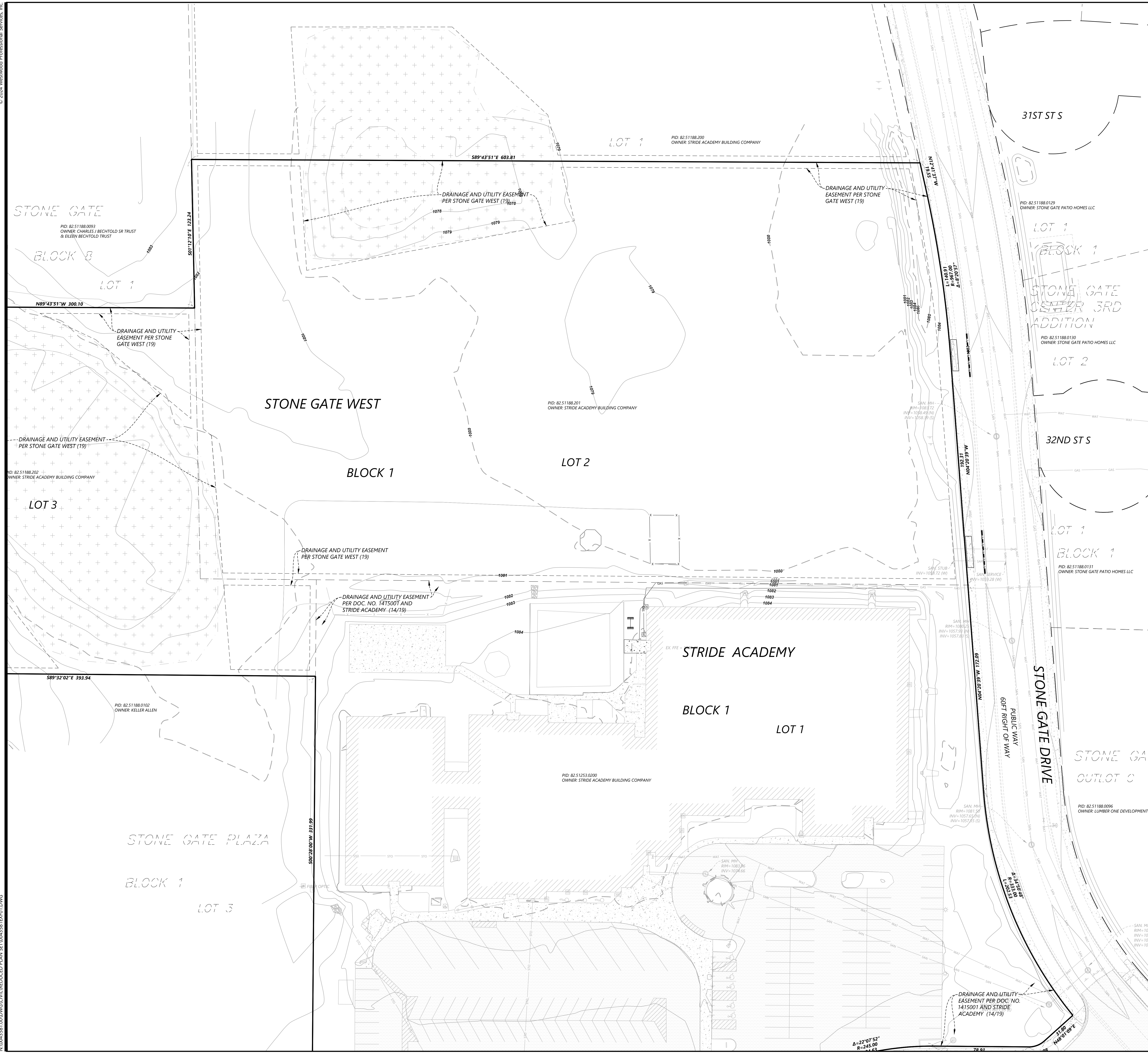
GRADING AND EROSION CONTROL

FOR

STRIDE ACADEMY EXPANSION

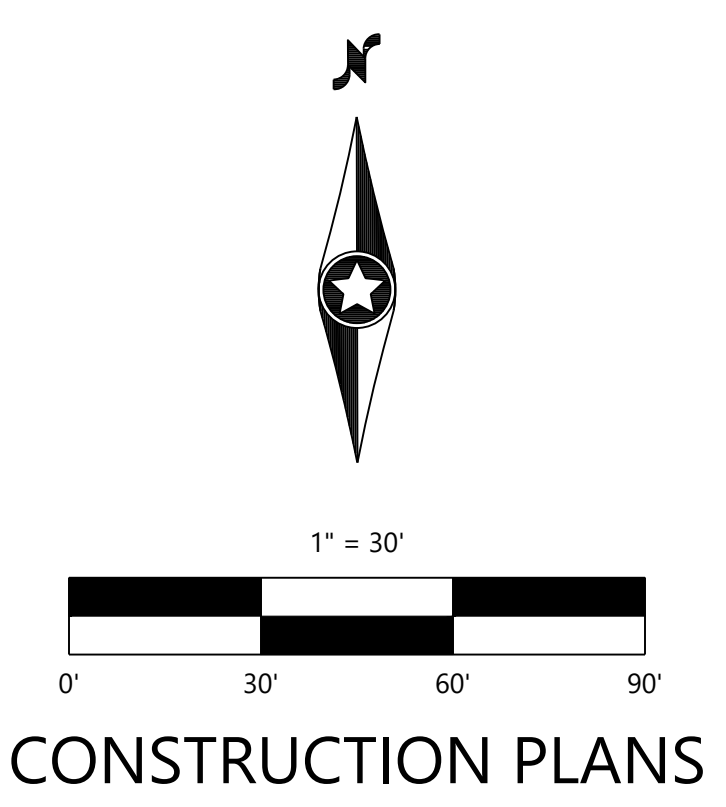
ST. CLOUD, MN

INITIAL SUBMITTAL DATE: 07/03/2024 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

ST. CLOUD, MN

STRIDE ACADEMY EXPANSION

EXISTING CONDITIONS

SHEET NUMBER: C100

DATE: 07/01/2024

PROJECT NUMBER: 0043581.00

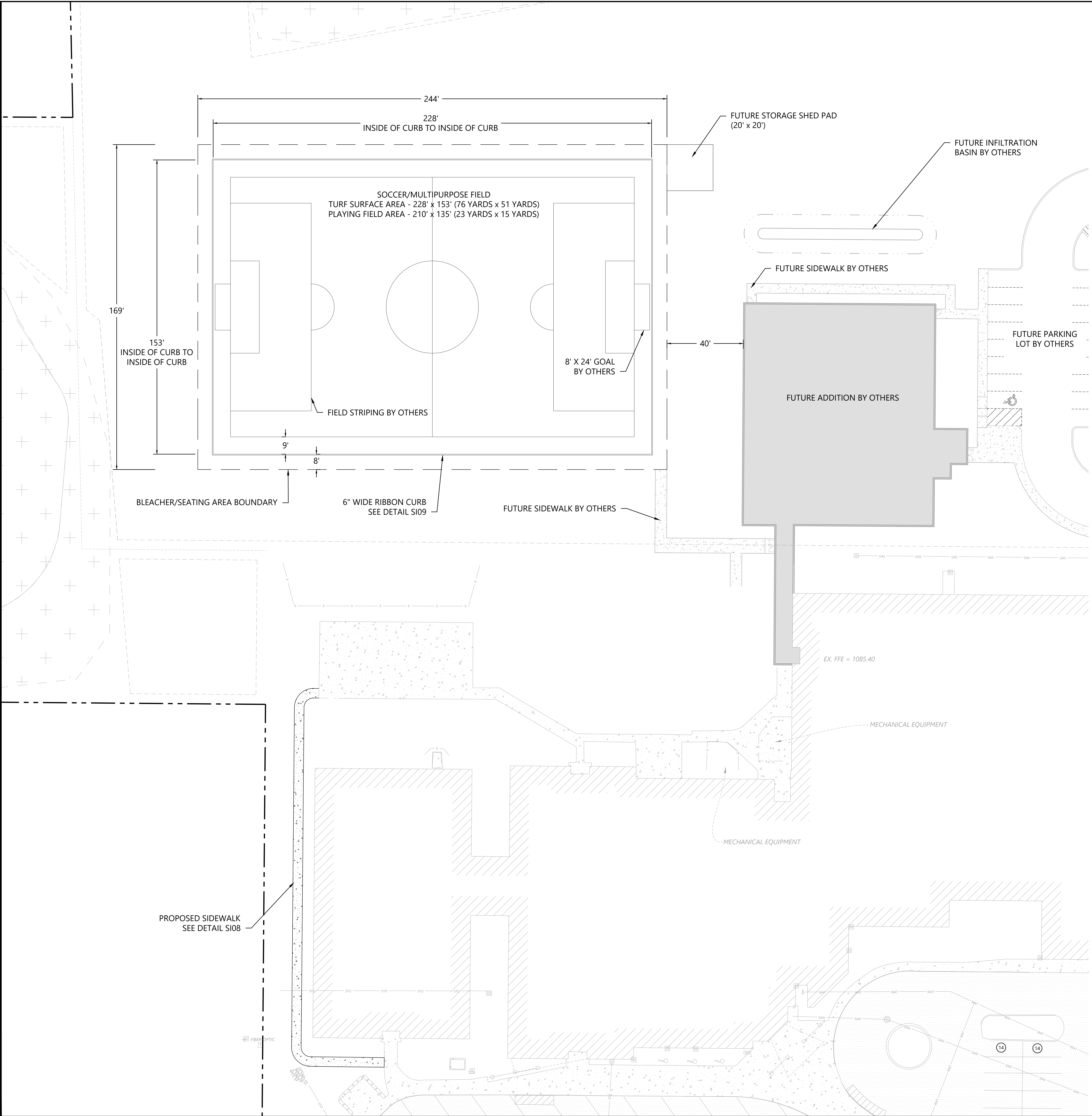
Westwood Professional Services, Inc.
1900 Medical Arts Ave S, Suite 100
St. Cloud, MN 56301
Phone: (820) 255-8485
Fax: (820) 255-8001
www.westwoodps.com

SITE LEGEND

EXISTING	PROPOSED	DESCRIPTION
---	---	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.



DATE	DESCRIPTION
07/03/2024	DESIGNED
07/03/2024	CHECKED
07/03/2024	PERMANENT
09/12/24	REVISIONS
09/12/24	REVISIONS
09/12/24	REVISIONS
09/12/24	REVISIONS
09/12/24	REVISIONS
09/12/24	REVISIONS
09/12/24	REVISIONS

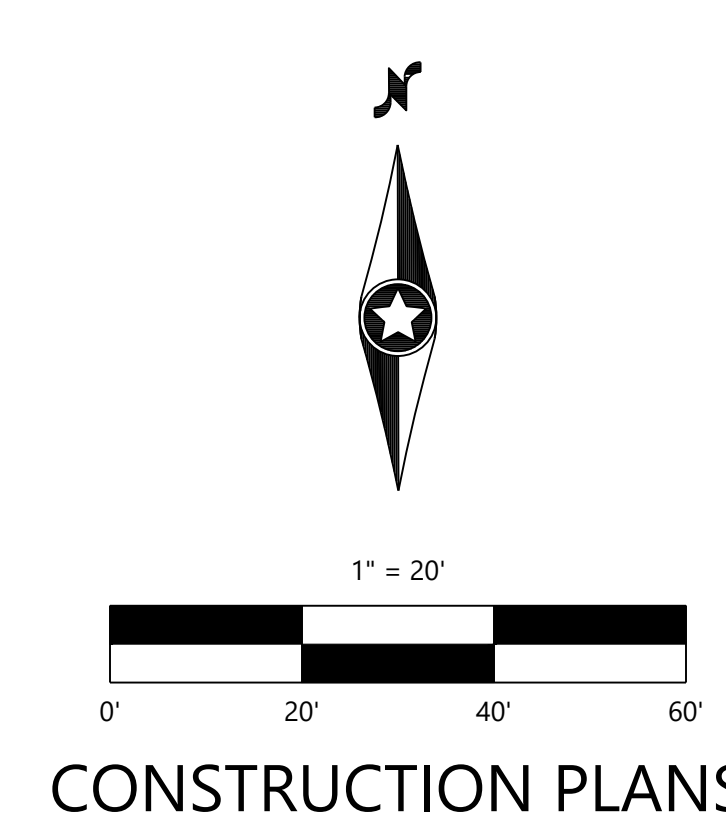
PREPARED FOR:
STRIDE ACADEMY BUILDING COMPANY
3241 OAKHAM LANE
ST. CLOUD, MN 56301

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IT COMplies WITH ALL LAWS OF THE STATE OF MINNESOTA.
JOHN S. BLEWISER
DATE: 09/12/24 LICENSE NO. 54632

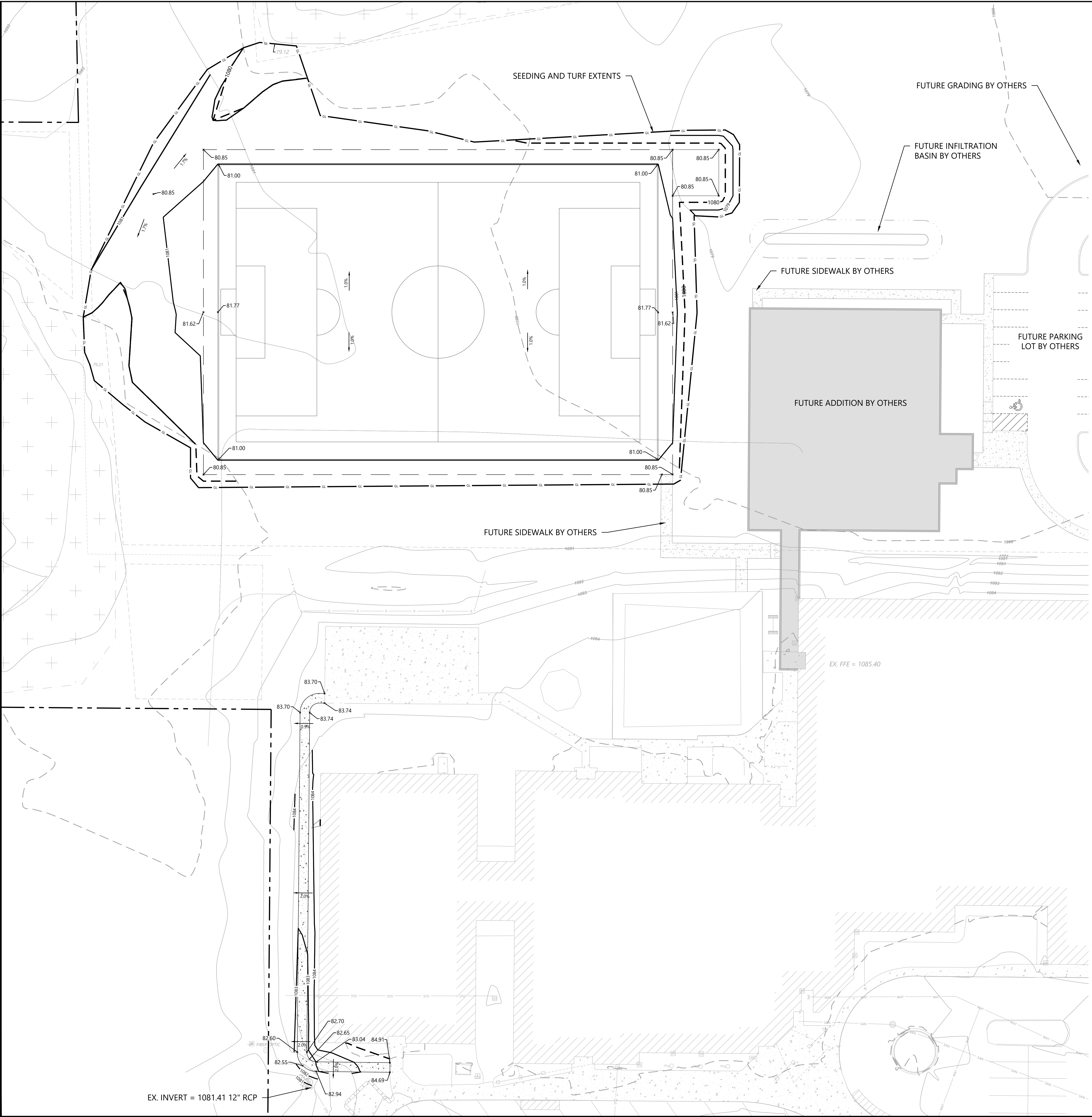
STRIDE ACADEMY EXPANSION
ST. CLOUD, MN

Westwood
Professional Services, Inc.
1900 Medical Arts Ave S, Suite 100
St. Cloud, MN 56301
Phone: (820) 253-8485
Fax: (820) 256-2001
www.westwoodps.com

SITE PLAN
SHEET NUMBER:
C200
DATE: 09/12/24
PROJECT NUMBER: 0043581.00



CONSTRUCTION PLANS



GRADING LEGEND

EXISTING	PROPOSED	
		PROPERTY LINE
		INDEX CONTOUR
		INTERVAL CONTOUR
		CURB AND GUTTER
		POND NORMAL WATER LEVEL
		STORM SEWER
		FLARED END SECTION (WITH RIPRAP)
		WATER MAIN
		SANITARY SEWER
		RETAINING WALL
		DRAIN TILE
		RIDGE LINE
		GRADING LIMITS
		SPOT ELEVATION
		FLOW DIRECTION
		TOP AND BOTTOM OF RETAINING WALL
		EMERGENCY OVERFLOW
		SOIL BORING LOCATION

GRADING NOTES

- 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. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL/SURFACE RESTORATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE SIX INCHES OF TOPSOIL AND SOD OR SEED. THESE AREAS SHALL BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. SEE LANDSCAPE PLAN FOR PLANTING AND TURF ESTABLISHMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO APPROPRIATE MNDOT STANDARDS.
- ALL SLOPES SHALL BE GRADED TO 3:1 OR FLATTER, UNLESS OTHERWISE INDICATED ON THIS SHEET.
- CONTRACTOR SHALL UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING AND PROVIDE A SMOOTH FINISHED SURFACE WITH UNIFORM SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN OR BETWEEN SUCH POINTS AND EXISTING GRADES.
- SPOT ELEVATIONS SHOWN INDICATE FINISHED PAVEMENT ELEVATIONS & GUTTER FLOW LINE UNLESS OTHERWISE NOTED. PROPOSED CONTOURS ARE TO FINISHED SURFACE GRADE.
- CONTRACTOR SHALL DISPOSE OF ANY EXCESS SOIL MATERIAL THAT EXISTS AFTER THE SITE GRADING AND UTILITY CONSTRUCTION IS COMPLETED. THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS SOIL MATERIAL IN A MANNER ACCEPTABLE TO THE OWNER AND THE REGULATING AGENCIES.
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL STATE AND FEDERAL RULES INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS.
- EMBANKMENT MATERIAL NOT PLACED IN THE BUILDING PAD, STREETS OR PARKING AREA, SHALL BE COMPACTED IN ACCORDANCE WITH REQUIREMENTS OF THE ORDINARY COMPACTION METHOD AS OUTLINED IN MNDOT 2105.3F2.
- ALL SOILS AND MATERIALS TESTING SHALL BE COMPLETED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. EXCAVATION FOR THE PURPOSE OF REMOVING UNSUITABLE OR UNSUITABLE SOILS SHALL BE COMPLETED AS REQUIRED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED SOILS TESTS AND INSPECTIONS WITH THE GEOTECHNICAL ENGINEER.

Call 48 Hours before digging:
811 or call811.com
Common Ground Alliance

DESIGNED:	07/03/2024
CHECKED:	07/03/2024
APPROVED:	09/12/24
PROJECT:	REDUCED PROJECT SCOPE
DATE:	09/12/24
CLIENT:	CLIENT COMMENTS
SCALE:	HORIZONTAL SCALE 1" = 20'
SCALE:	VERTICAL SCALE 1" = 4'

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 IN THE STATE OF MINNESOTA.
JOHN E. SCHLEIFER
DATE: 09/12/24 LICENSE NO. 54632

Westwood
GRADING PLAN
STRIDE ACADEMY EXPANSION
ST. CLOUD, MN

Westwood
1900 Medical Arts Ave S, Suite 100
St. Cloud, MN 56301
Phone: (820) 253-8485
Fax: (820) 253-8001
www.westwoodpro.com
Westwood Professional Services, Inc.

GRADING PLAN

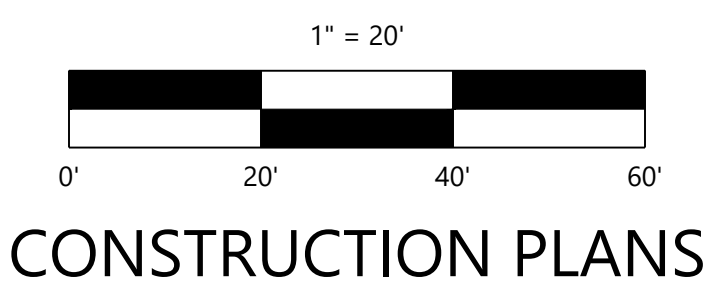
SHEET NUMBER:

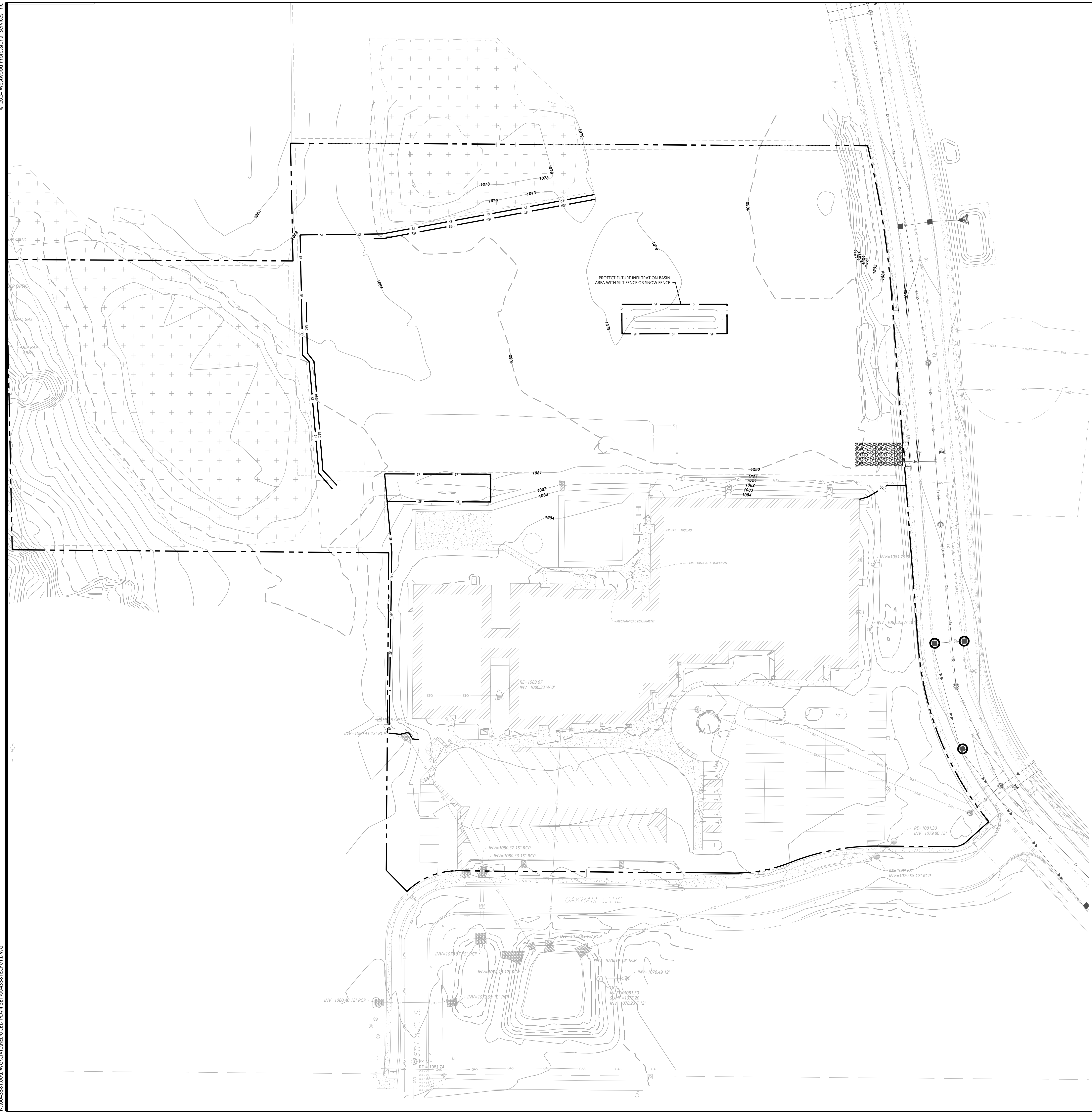
C300

DATE: 09/12/24

PROJECT NUMBER: 0043581.00

STRIDE ACADEMY EXPANSION



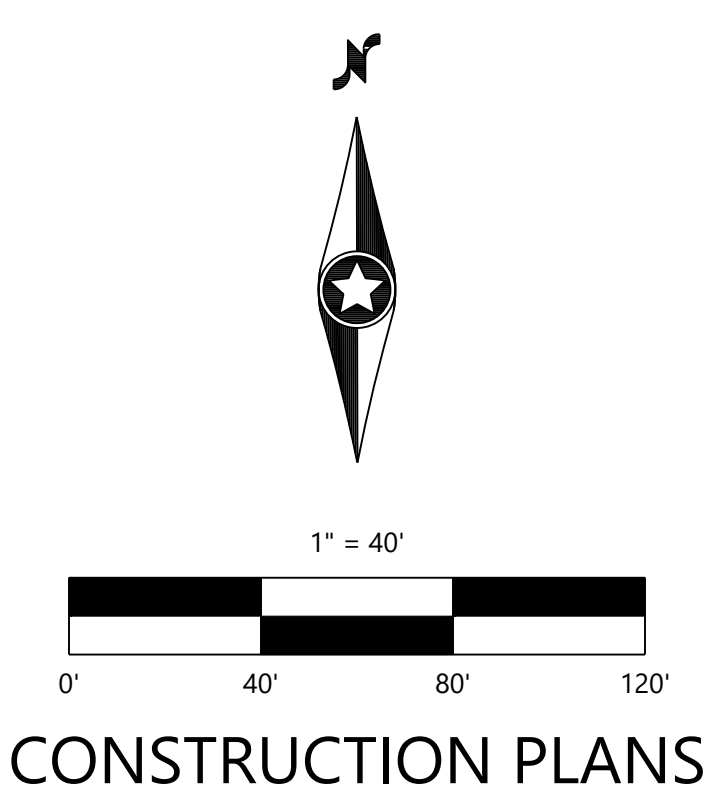


EROSION CONTROL LEGEND

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:	09/12/24
PROJECT:	REDUCED PROJECT SCOPE
CLIENT:	CLIENT COMMENTS
SCALE:	
VERTICAL SCALE:	8" = 4'

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 IN ACCORDANCE WITH THE LAWS OF THE STATE OF MINNESOTA.
JOHN S. BLEWISER
DATE: 09/12/24 LICENSE NO. 54632

STRIDE ACADEMY EXPANSION
ST. CLOUD, MN

Westwood
1900 Medical Arts Ave S, Suite 100
St. Cloud, MN 56301
Phone: (820) 255-8485
Fax: (820) 255-8001
www.westwoodps.com
Westwood Professional Services, Inc.

EROSION CONTROL PLAN
C400

SHEET NUMBER:
DATE: 09/12/24
PROJECT NUMBER: 0043581.00

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.

- 1. 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.
2. 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.
3. WORK NEXT TO WETLANDS
- PRESERVE A 50' NATURAL BUFFER, OR IF A BUFFER IS INFEASIBLE, PROVIDE REDUNDANT SEDIMENT CONTROLS PRIOR TO DISTURBANCE OF UP-GRADE AREAS.
- FILL SLOPES ADJACENT TO WETLANDS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF COMPLETION OF WORK.
... (items 4-9) ...

- OPTIONS FOR REDUCING THE TURBIDITY OF THE WATER INCLUDE:
- CONSTRUCT A TEMPORARY SEDIMENT TRAP FOR TURBID WATER DISCHARGE.
- USE A PORTABLE SEDIMENT TRAP SYSTEM.
- APPLY NATURAL BASED FLOCCULENT TECHNOLOGY SUCH AS CHITOSAN IN SEDIMENT TRAPS OR A SERIES OF DITCH CHECKS TO CONTAIN SEDIMENT.
- USE A FILTER BAG SYSTEM.
- PUMP TO A TEMPORARY SEDIMENT BASIN.
... (items 10-24) ...

- 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.
- 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 INCIDENTAL TO THE CONSTRUCTION CONTRACT.
... (items 15-24) ...

- 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 DEWATERINGS WILL TAKE PLACE AND DISCHARGE TO "SPECIAL WATERS"
- SEE PERMIT FOR ADDITIONAL NOTES AND REQUIREMENTS
... (items 21-24) ...

Call 48 Hours before digging: 811 or call811.com Common Ground Alliance

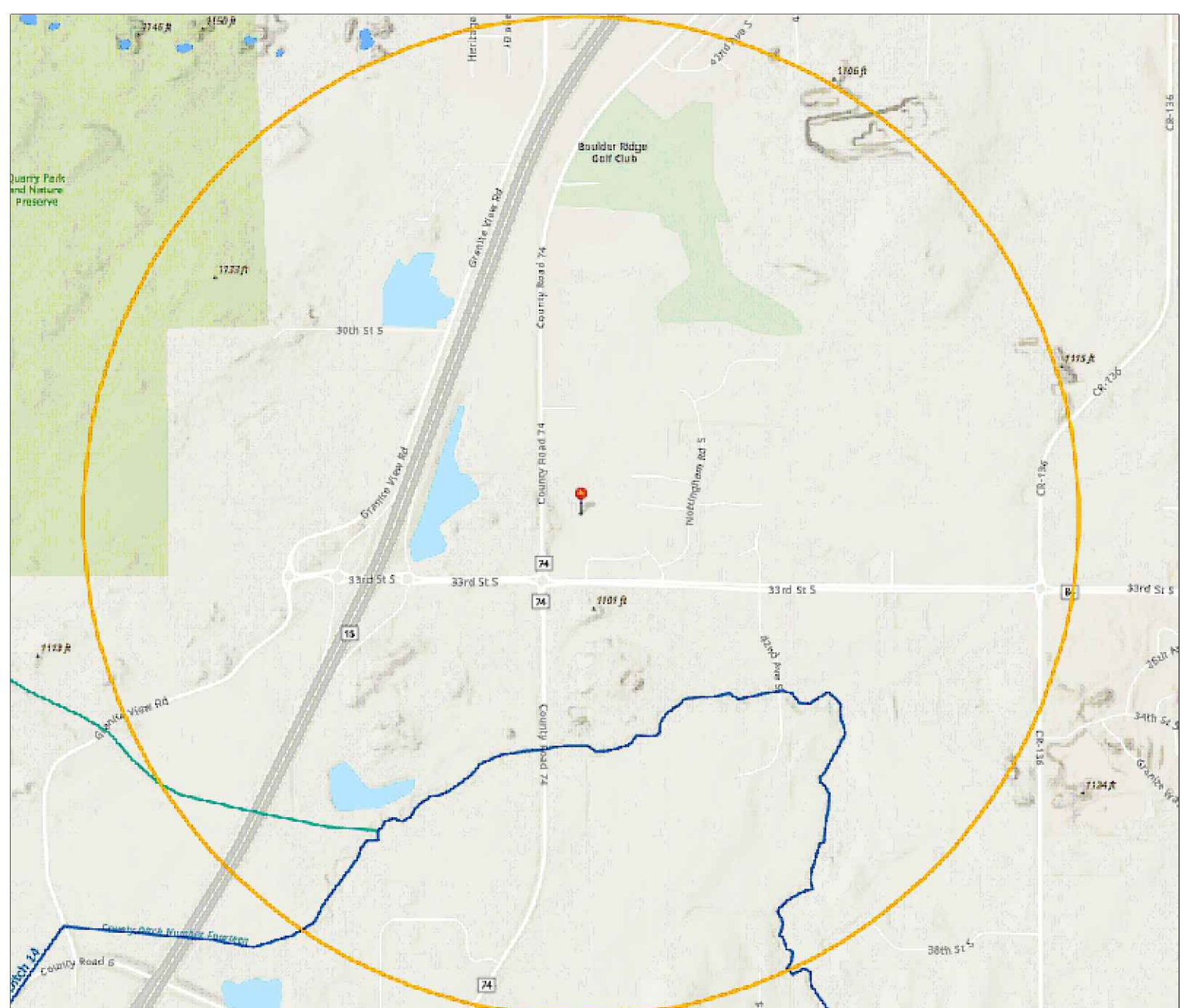
Table with columns: DISCLOSED, CHECKED, PREPARED, SUBMITTED, INITIAL ISSUE, REVISIONS, REDUCED PROJECT SCOPE, CLIENT COMMENTS.

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

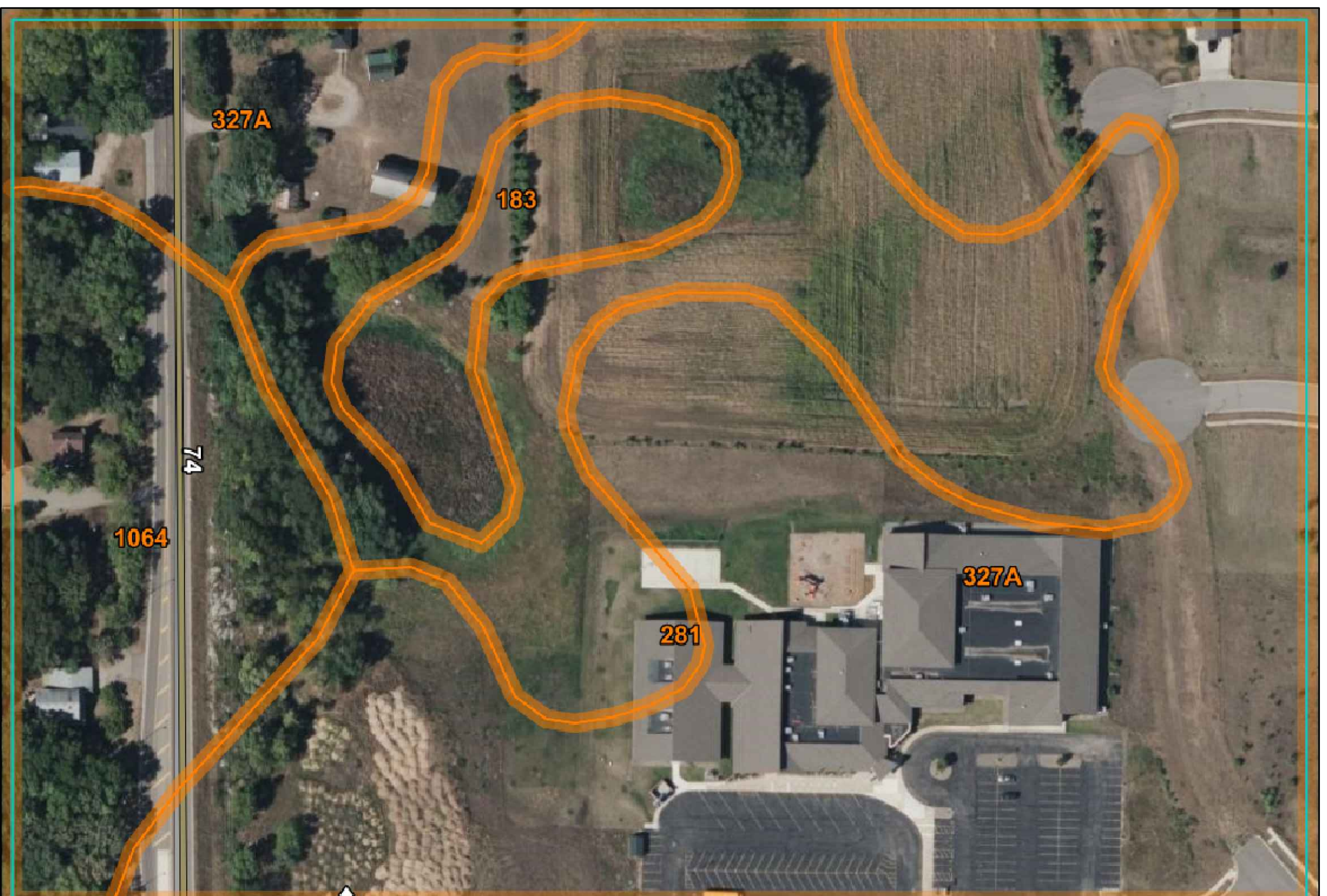
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
JOHN L. BLEWISER
DATE: 09/12/24 LICENSE NO. 54632

STRIDE ACADEMY EXPANSION
ST. CLOUD, MN

Westwood Professional Services, Inc.
1900 Medical Arts Ave S, Suite 100
St. Cloud, MN 56301
(820) 253-8485
(820) 258-2001
Fax: (820) 253-8485
www.westwoodps.com



VICINITY MAP/IMPAIRED WATERS MAP



WEB SOIL SURVEY MAP

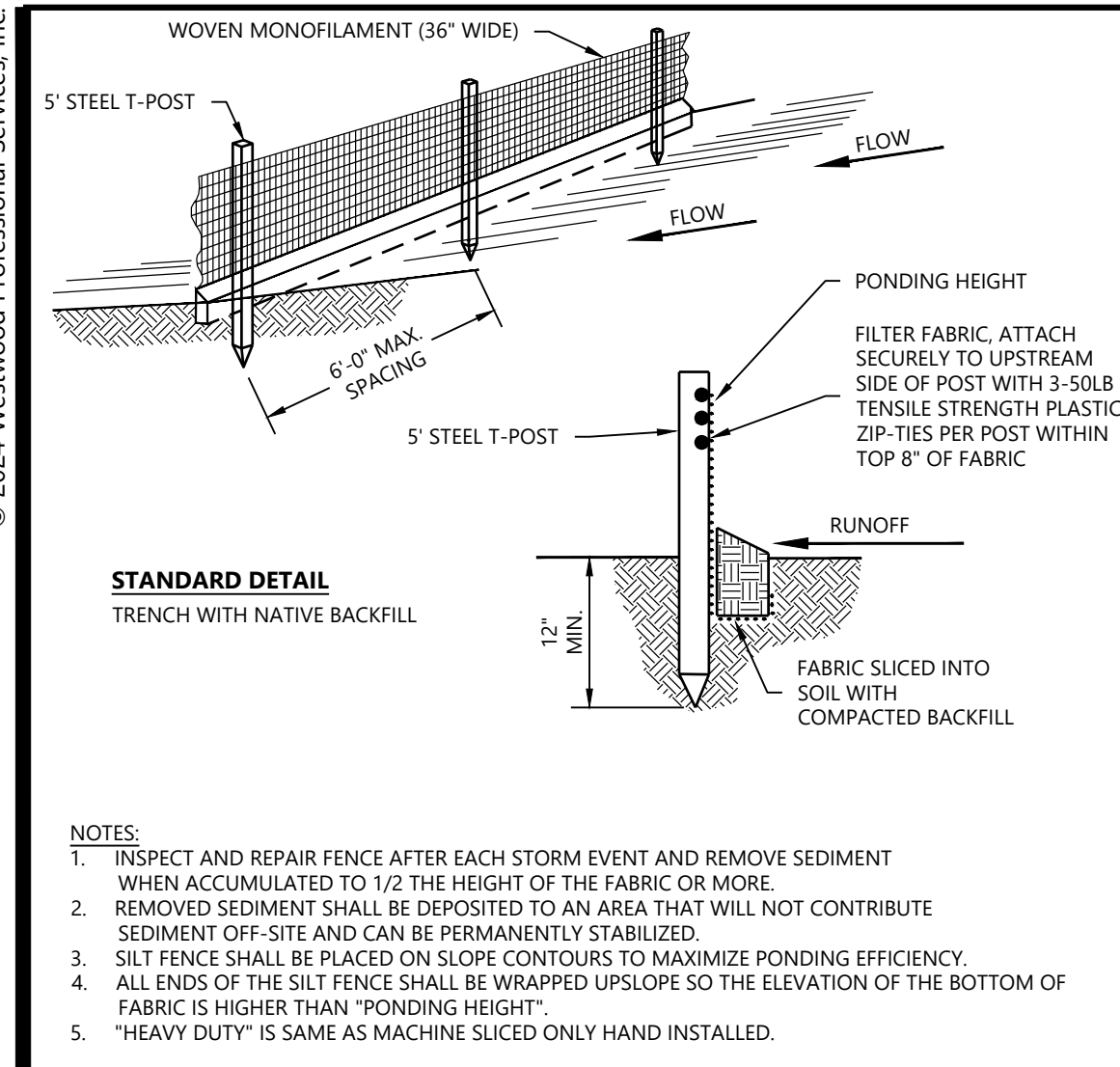
Table with 4 columns: Map Unit Symbol, Map Unit Name, Acres in AOI, Percent of AOI. Rows include 183, 281, 327A, 1064, and Totals for Area of Interest.

SOIL MAP UNIT SYMBOL LEGEND

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

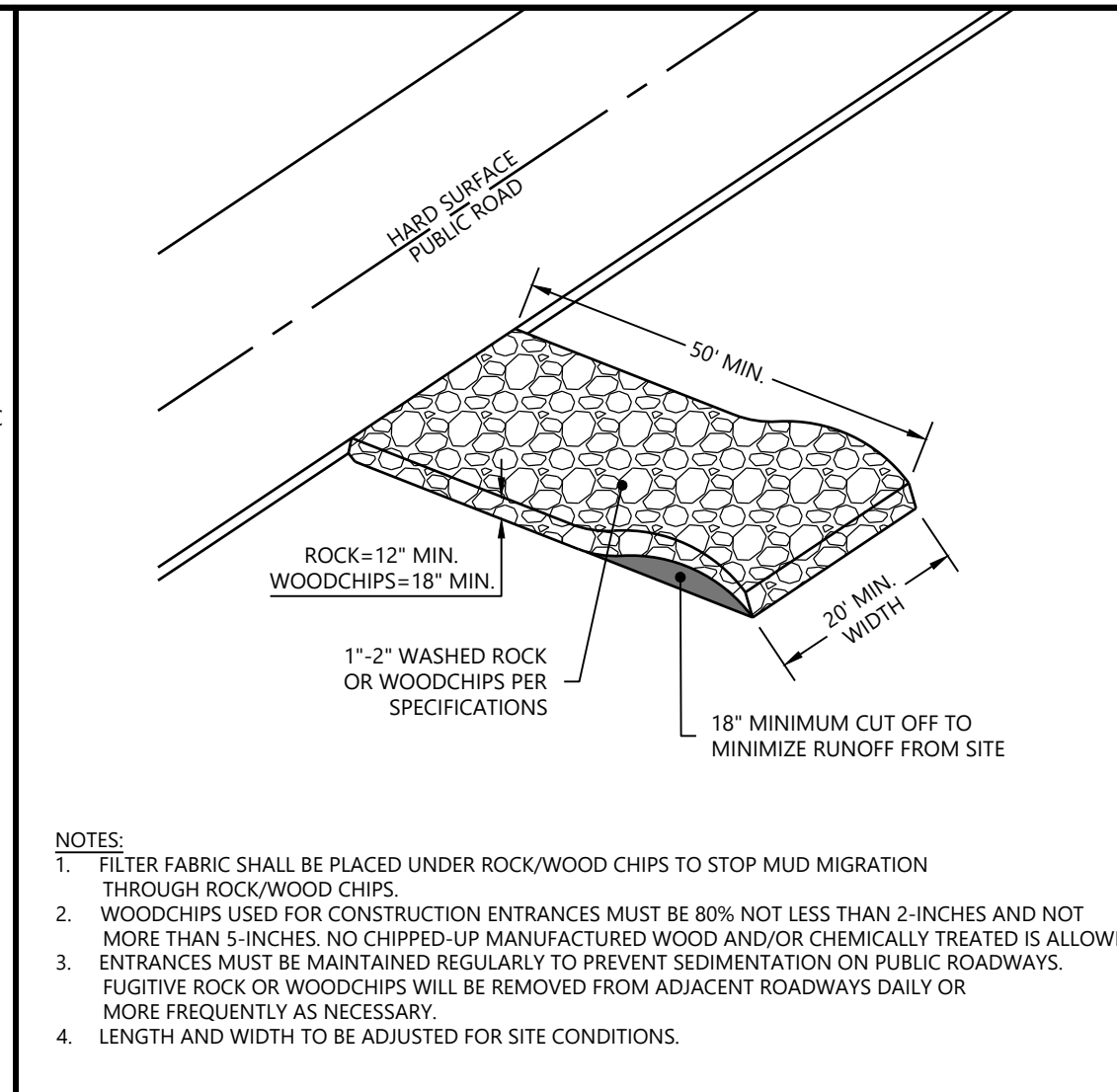
SWPPP AMENDMENTS
THIS PLAN AND THE ATTACHMENTS MUST BE AMENDED WITHIN 7 DAYS TO INCLUDE ADDITIONAL REQUIREMENTS OR MODIFIED REQUIREMENTS WHICH TAKE PLACE DURING CONSTRUCTION IF ONE OR MORE OF THE FOLLOWING OCCUR:
1. THERE IS A CHANGE IN DESIGN CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT SIGNIFICANTLY IMPACTS THE DISCHARGE OF POLLUTANTS FROM THE SITE TO SURFACE OR GROUNDWATER.
... (items 1-6) ...
PLACE THE AMENDMENT NUMBER NEXT TO ALL APPLICABLE CHANGES, REDLINES, AND INFORMATION IN THE DOCUMENT TO REFERENCE BACK TO THE CHANGES SUMMARIZED BELOW.

Table with 5 columns: AMENDMENT NO., DATE, REASON, LOCATION, AND BRIEF DESCRIPTION OF CHANGE OR AMENDMENT, REQUESTED BY, PREPARED BY.



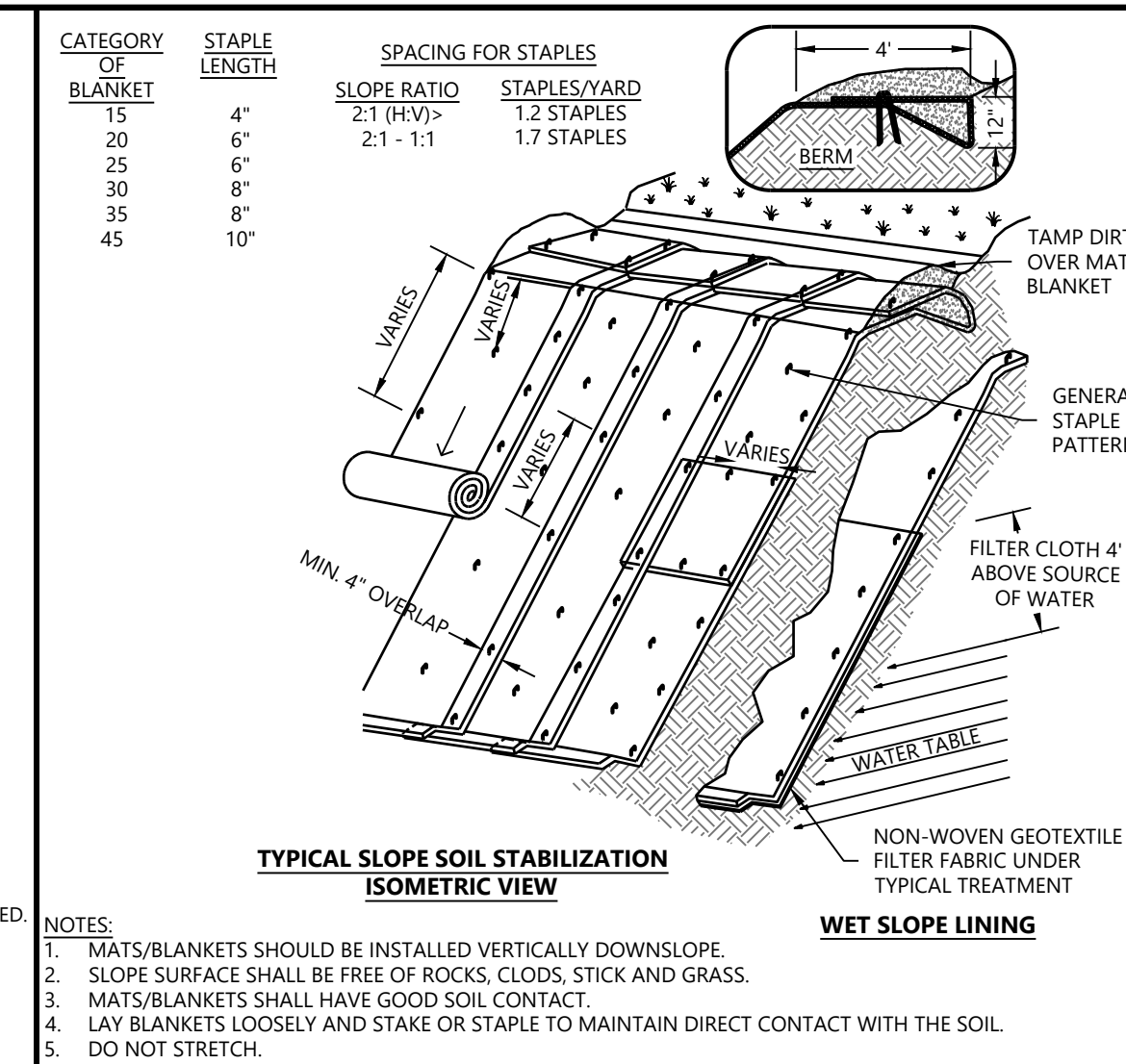
STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

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.



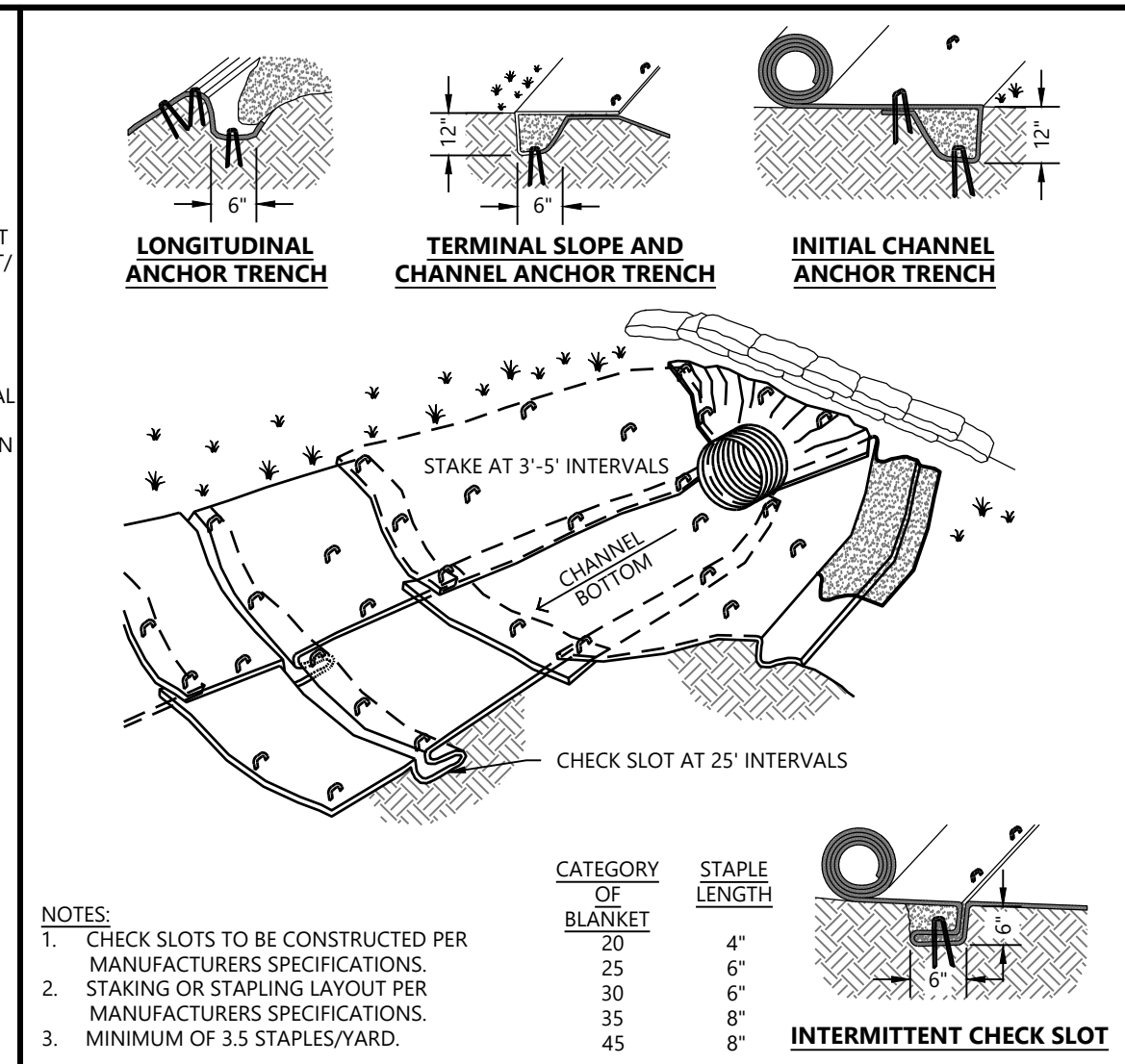
CONSTRUCTION ENTRANCE

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.
4. FUGITIVE ROCK OR WOODCHIPS WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.
5. LENGTH AND WIDTH TO BE ADJUSTED FOR SITE CONDITIONS.



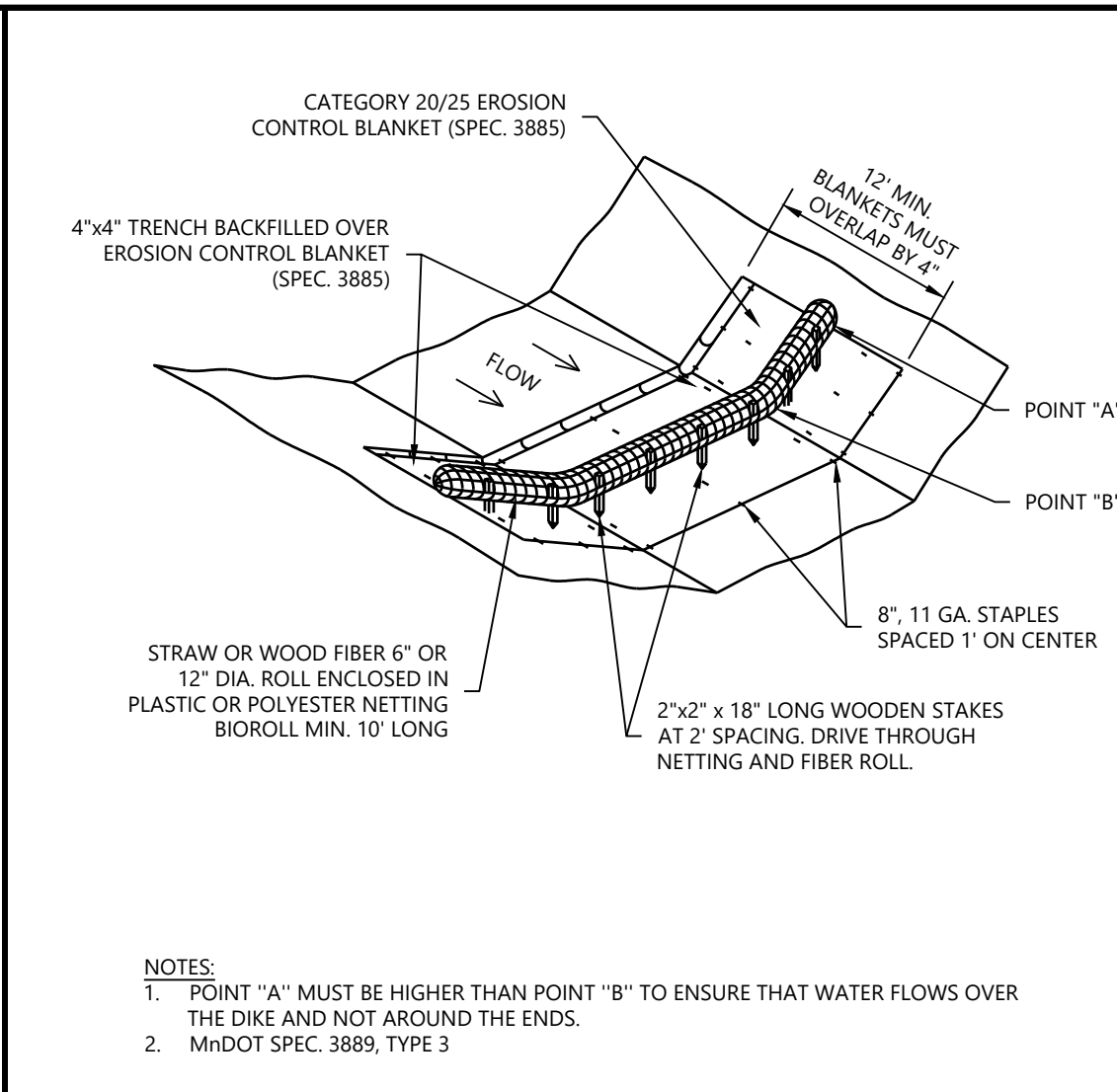
TEMPORARY EROSION BLANKETS TURF REINFORCEMENT MATS FOR SLOPES

NOTES:
1. MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOUDS, 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.



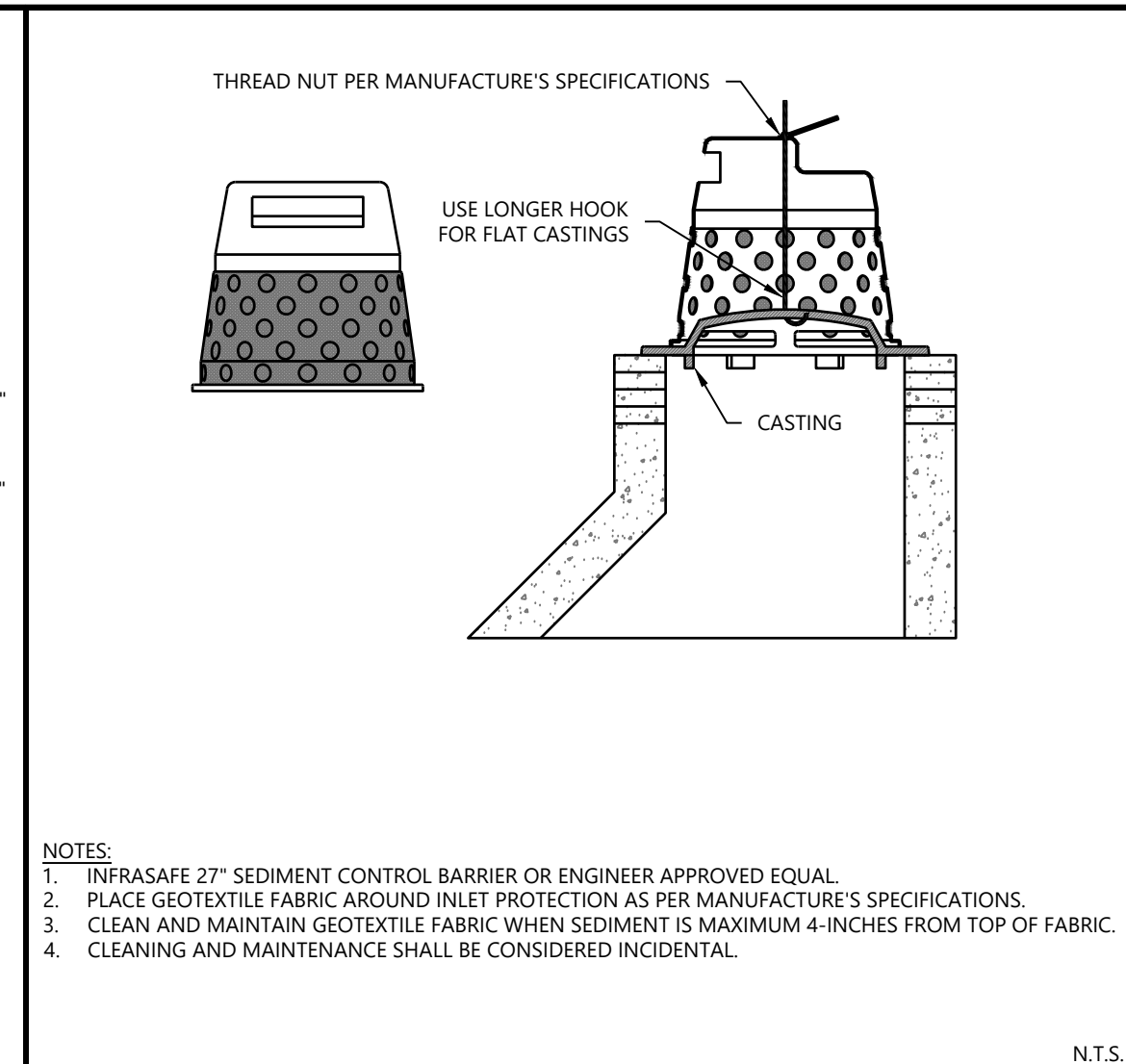
TEMPORARY EROSION BLANKETS TURF REINFORCEMENT MATS FOR CHANNELS

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\"/>

NOTES:
1. TERRASAFE 27\"/>

Call 48 Hours before digging:
811 or call811.com
Common Ground Alliance

DESIGNED: []
CHECKED: []
DRAWN: []
APPROVED: []
SCALE: []

INITIAL ISSUE: 07/03/2024
REVISIONS:
1. 07/03/2024 REDUCED PROJECT SCOPE
2. 09/12/24 CLIENT COMMENTS

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

LIBERALLY 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 S. BLEWISER
DATE: 09/12/24 LICENSE NO. 54632

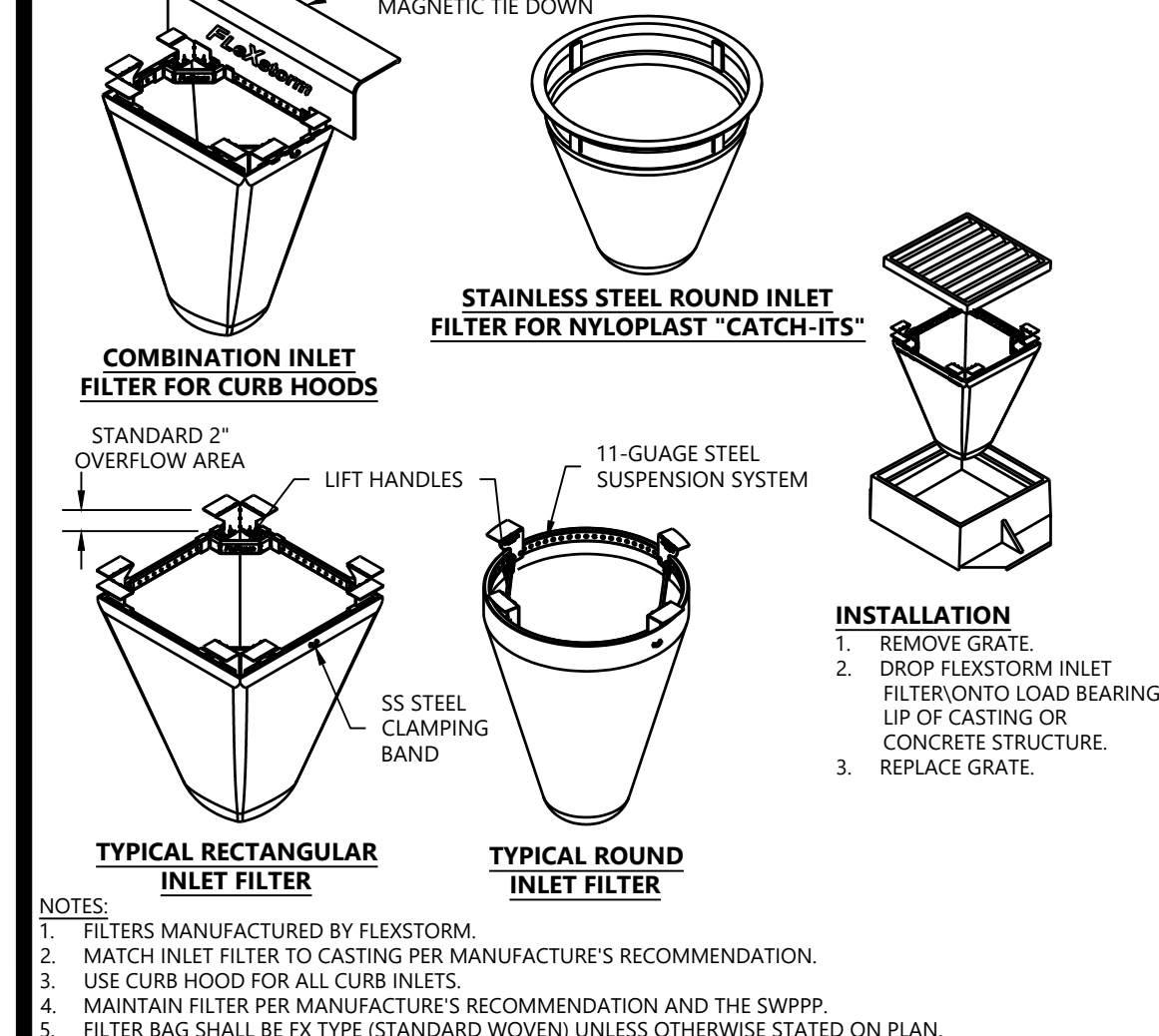
Westwood
1900 Medical Arts Ave S, Suite 100
St. Cloud, MN 56301
Phone: (820) 253-8485
Fax: (820) 258-2001
www.westwoodprofessionals.com

STRIDE ACADEMY EXPANSION
ST. CLOUD, MN

DETAILS

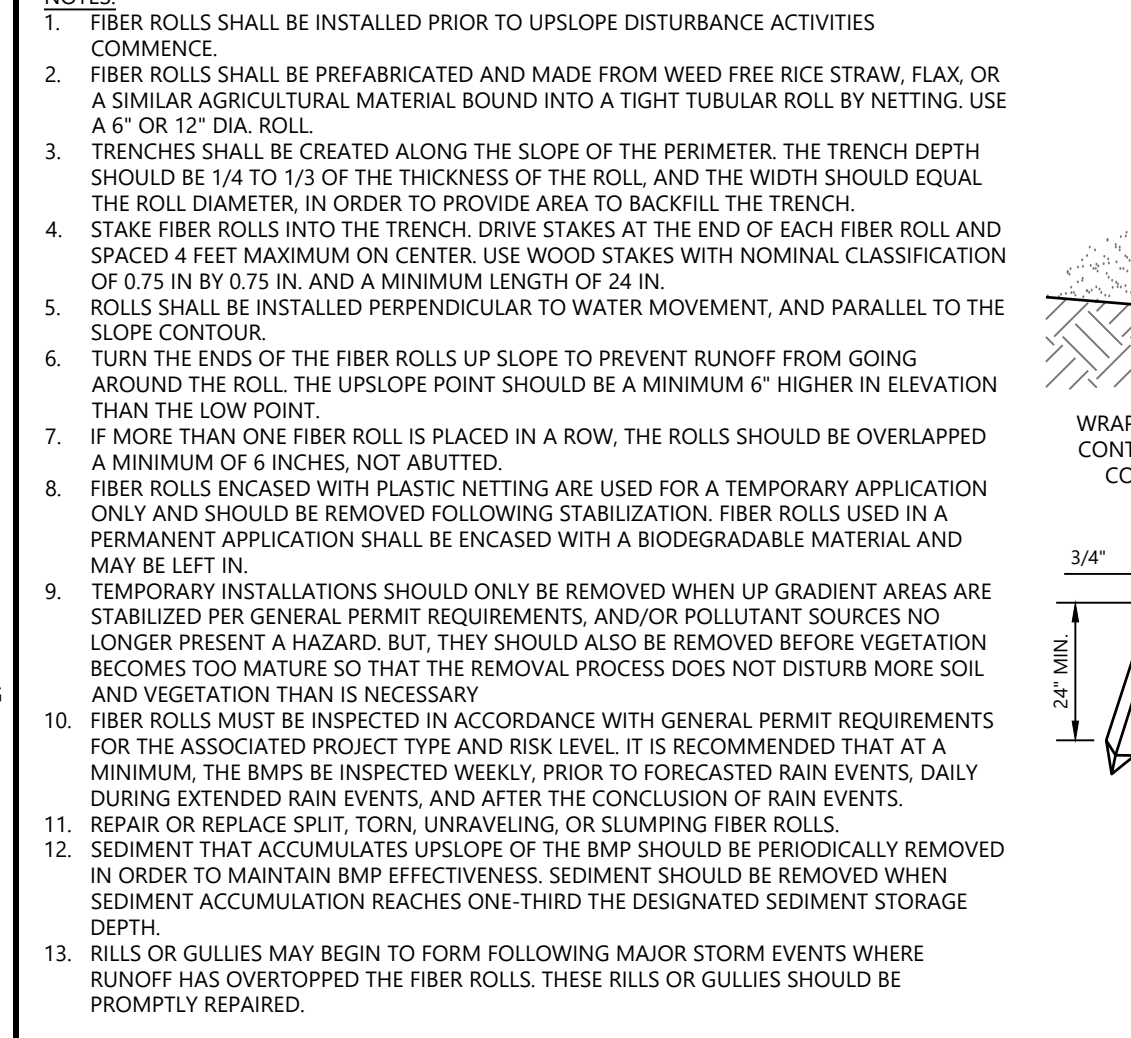
SHEET NUMBER:
C500

DATE: 09/12/24
PROJECT NUMBER: 0043581.00



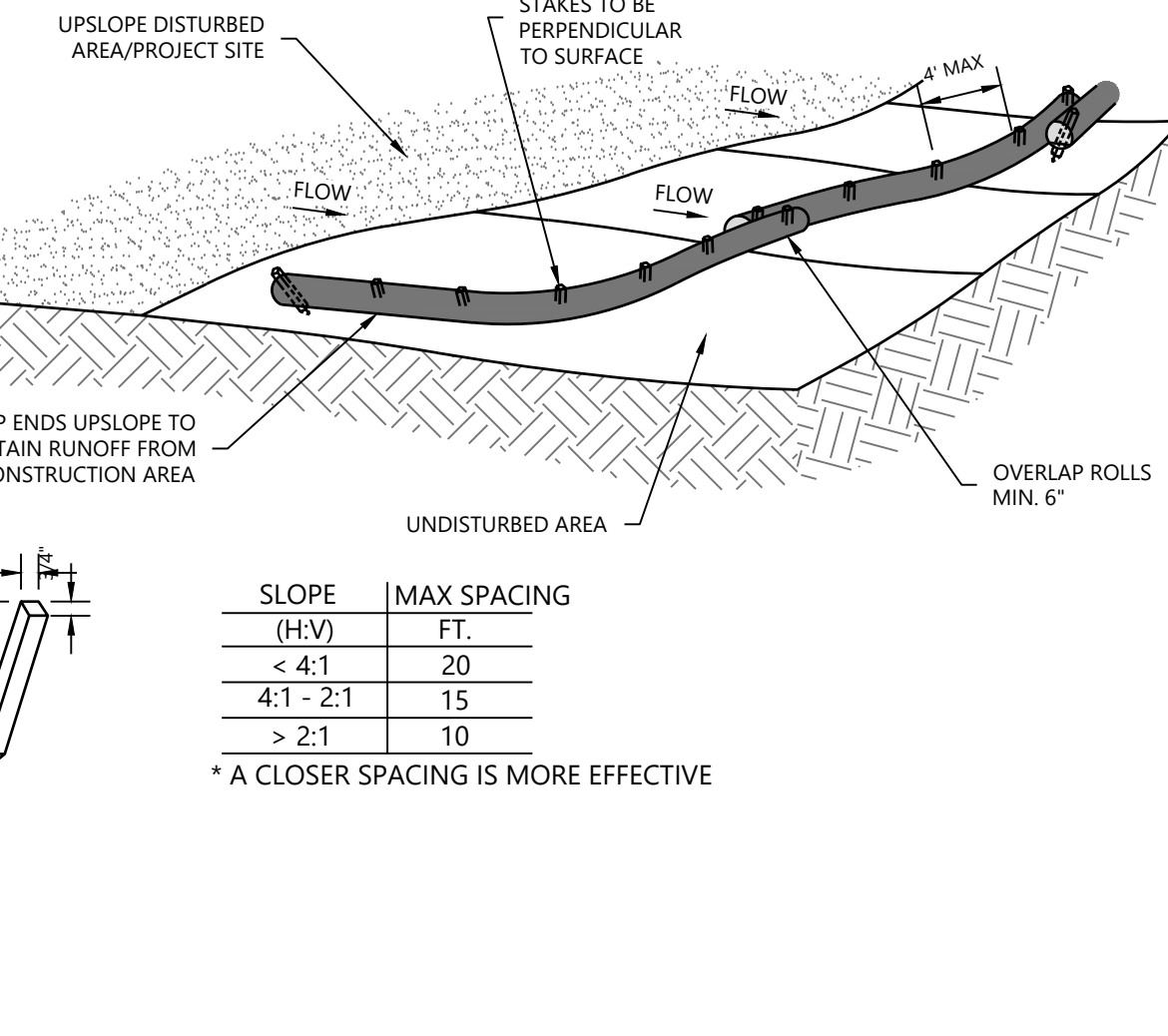
MANUFACTURED INLET PROTECTION

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.



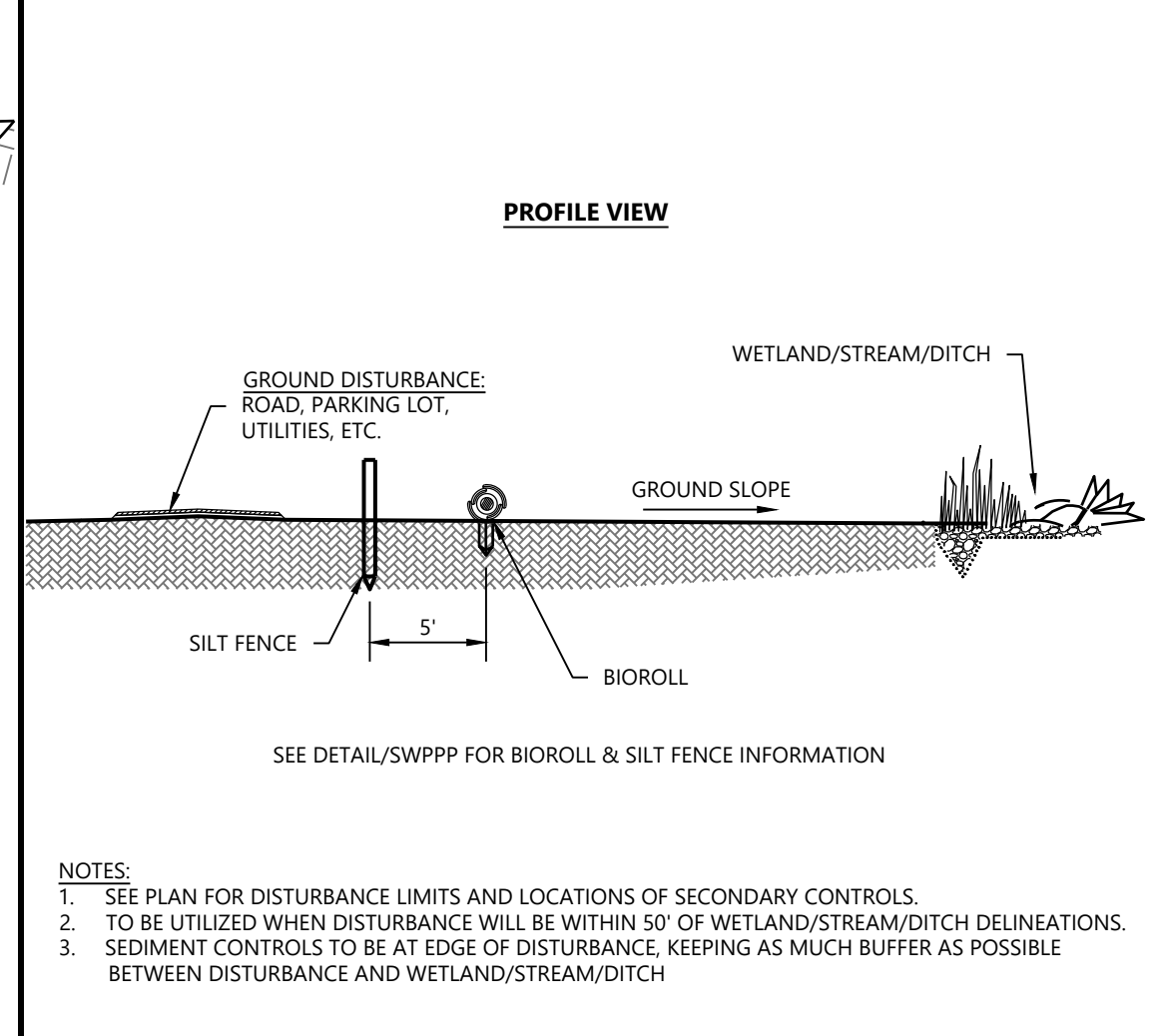
TYPICAL FIBER ROLLS FOR PERIMETER CONTROL OF CONSTRUCTION AREA LIMIT

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



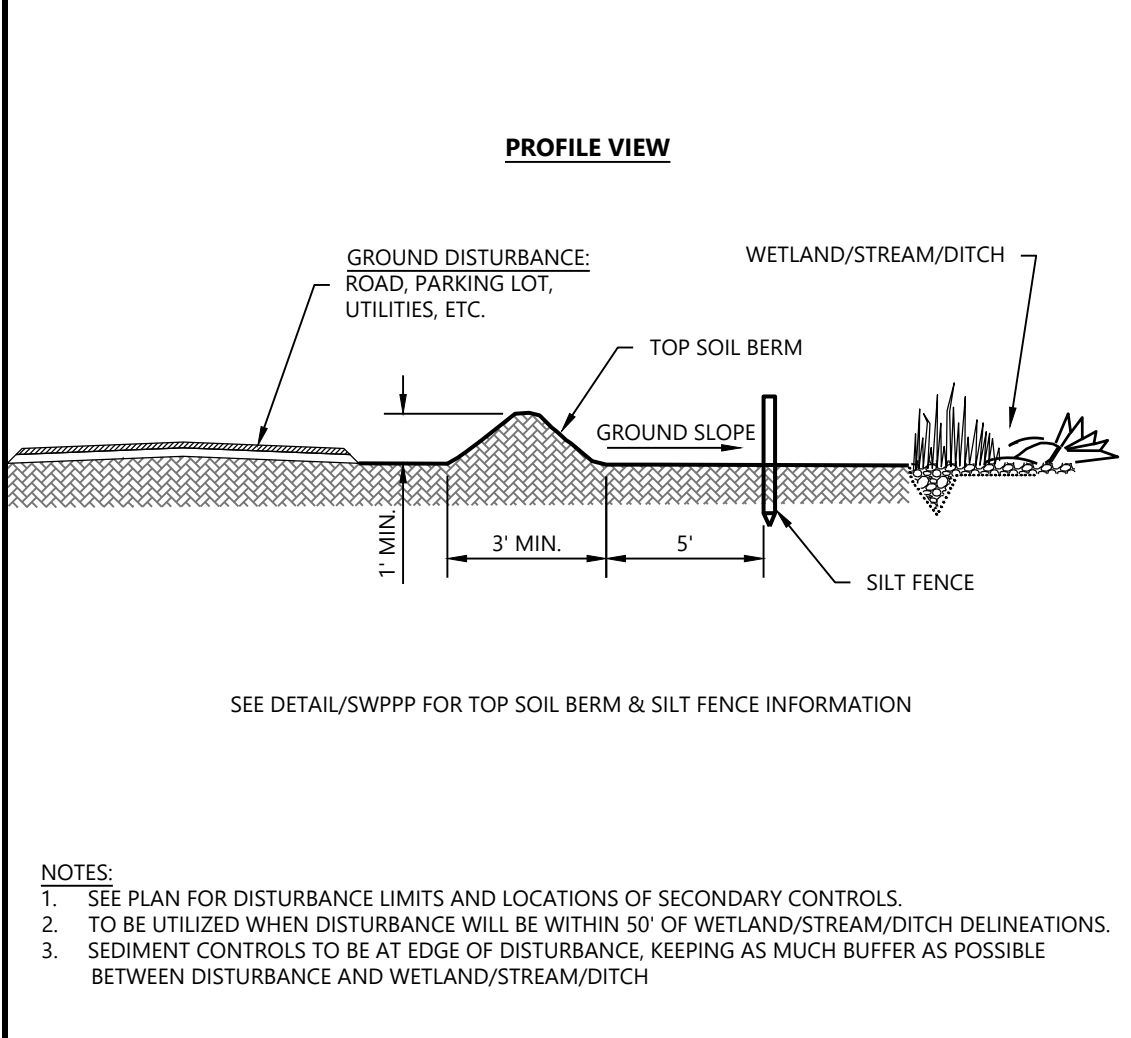
REDUNDANT SEDIMENT CONTROL OPTION 1

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



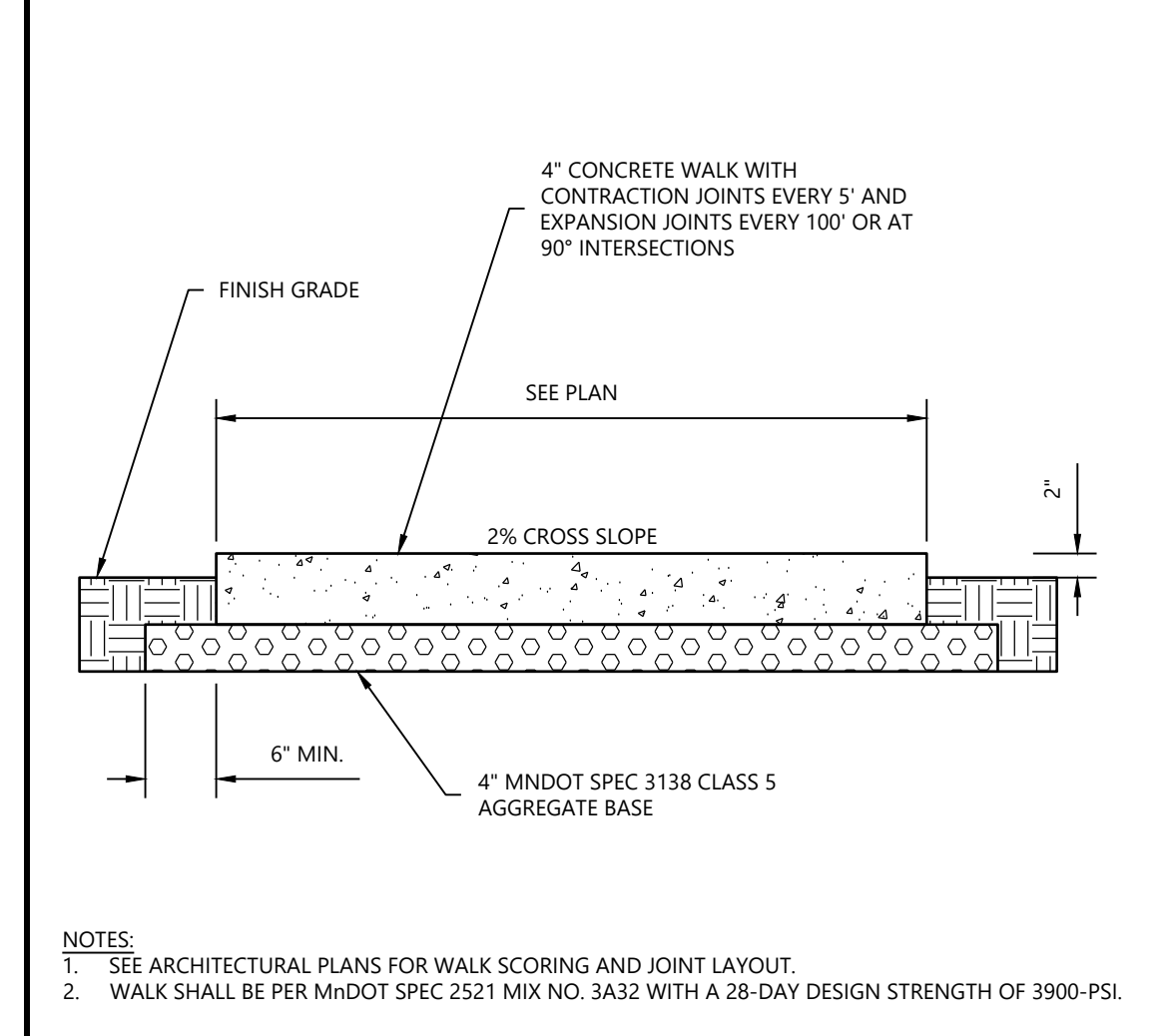
REDUNDANT SEDIMENT CONTROL OPTION 2

NOTES:
1. SEE ARCHITECTURAL PLANS FOR WALK SCORING AND JOINT LAYOUT.
2. WALK SHALL BE PER MHDOT SPEC. 2623 MIX NO. 3A52 WITH A 28-DAY DESIGN STRENGTH OF 3900-PSI.



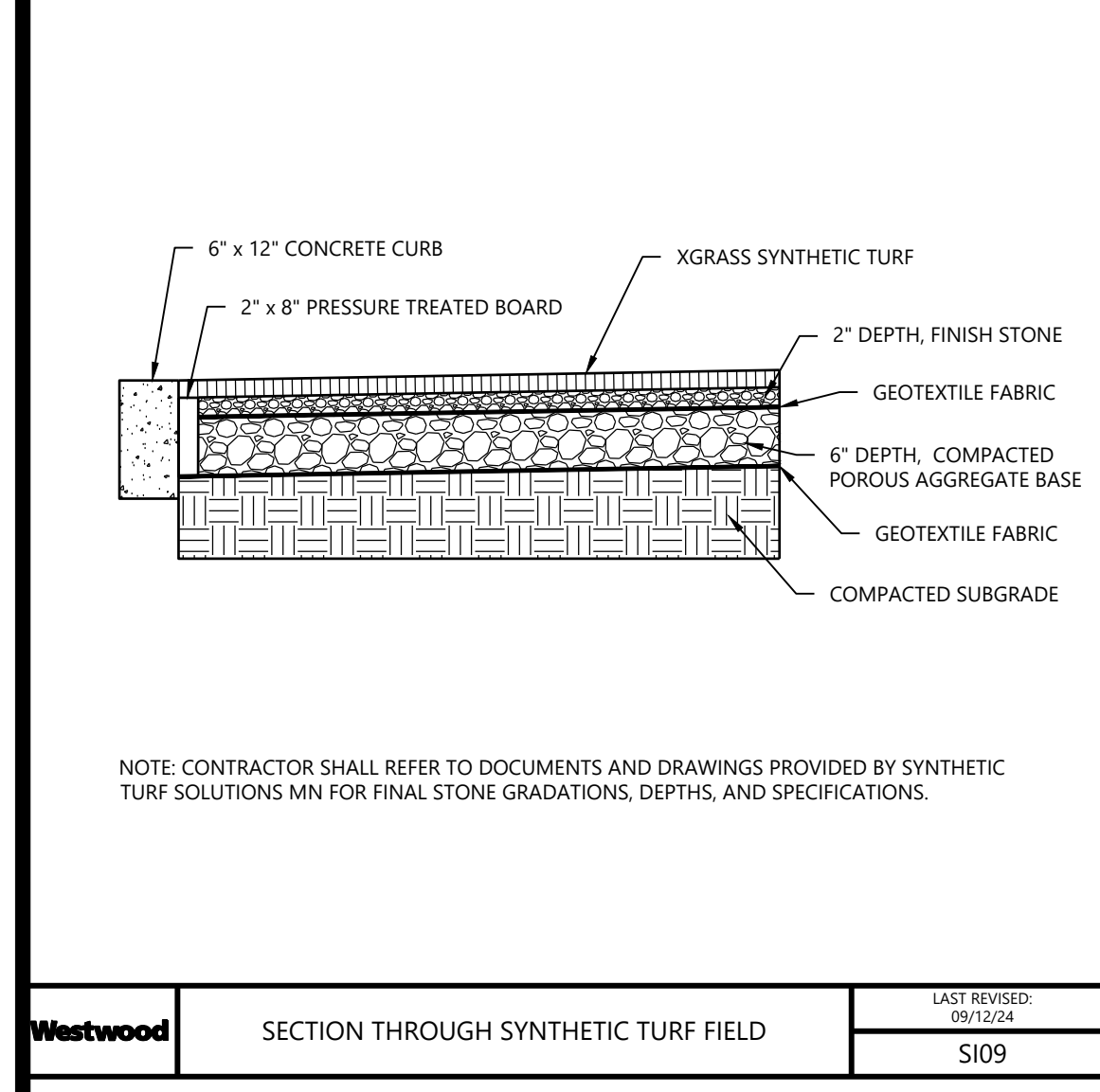
PRIVATE CONCRETE SIDEWALK

NOTES:
1. SEE ARCHITECTURAL PLANS FOR WALK SCORING AND JOINT LAYOUT.
2. WALK SHALL BE PER MHDOT SPEC. 2623 MIX NO. 3A52 WITH A 28-DAY DESIGN STRENGTH OF 3900-PSI.



SECTION THROUGH SYNTHETIC TURF FIELD

NOTE: CONTRACTOR SHALL REFER TO DOCUMENTS AND DRAWINGS PROVIDED BY SYNTHETIC TURF SOLUTIONS MIN FOR FINAL STONE GRADATIONS, DEPTHS, AND SPECIFICATIONS.



SECTION THROUGH SYNTHETIC TURF FIELD

NOTE: CONTRACTOR SHALL REFER TO DOCUMENTS AND DRAWINGS PROVIDED BY SYNTHETIC TURF SOLUTIONS MIN FOR FINAL STONE GRADATIONS, DEPTHS, AND SPECIFICATIONS.