



ARCHITECTS / ENGINEERS

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Client: CANISIUS HIGH SCHOOL

Project: ATHLETIC FIELDS - PHASE 3

iect Address:

Project Address:

ROBERT J. STRANSKY MEMORIAL COMPLEX 2885 CLINTON STREET WEST SENECA, NEW YORK 14224

Drawing History: # Date Description

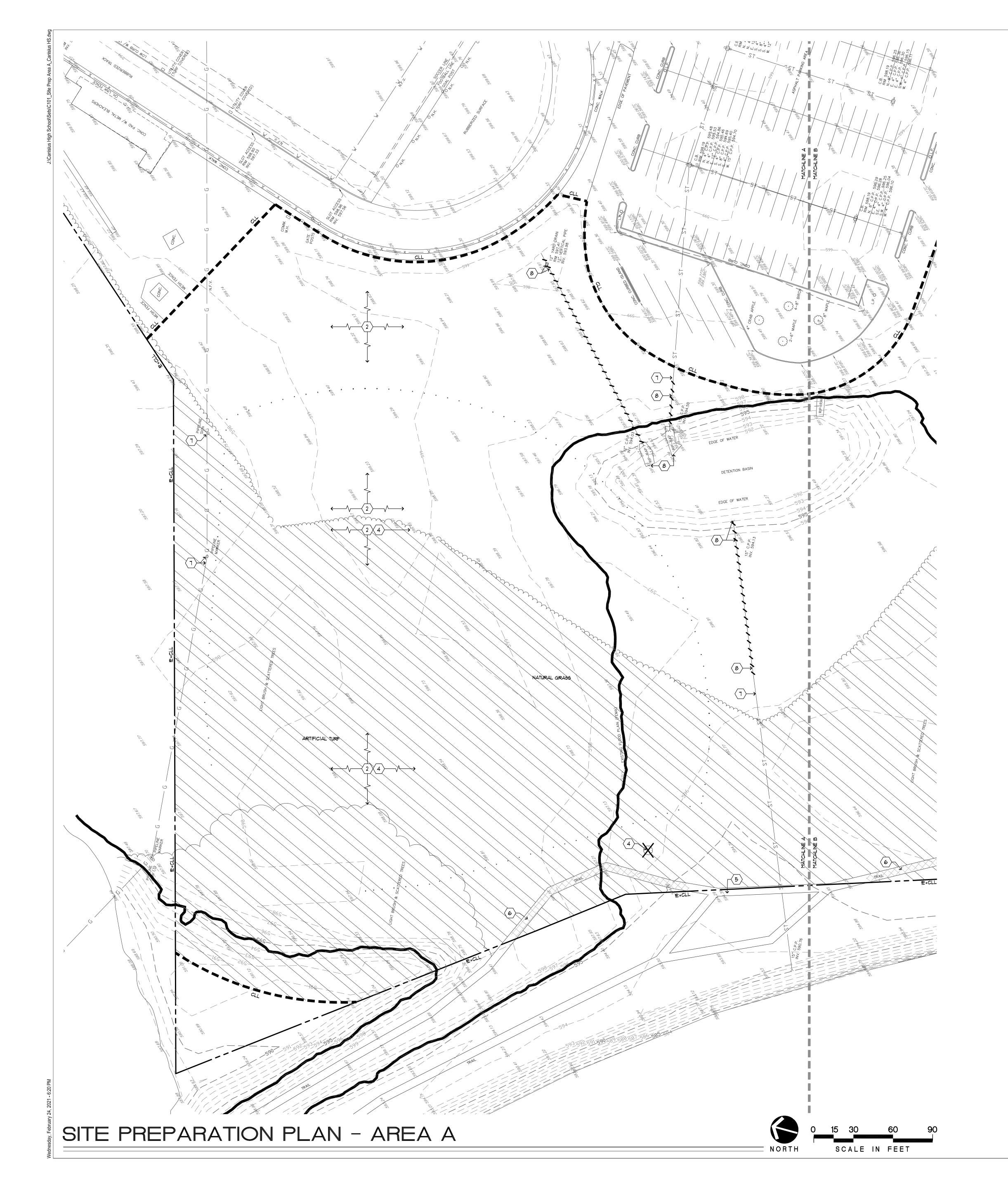
Project Status: PRELIMINARY

Date: 2/24/20 roject Number: 20020

**SURVEY** 

Sheet Number:

100



## SITE PREPARATION and CONSTRUCTION NOTES **CANISIUS HIGH SCHOOL**

- (1) EXISTING LAWN AREA REMAINS, PROTECT.
- STRIP EXISTING TOPSOIL AND STOCK PILE FOR REUSE ONSITE IN AN AREA AS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER. TEMPORARILY SEED ENTIRE PILE IMMEDIATELY AND SURROUND WITH SILT FENCE.
- 3 EXISTING VEGETATION REMAINS. PROTECT AT ALL TIMES AS SHOWN ON THE PLANS AND AS SPECIFIED. DO NOT PARK VEHICLES/EQUIPMENT OR STORE MATERIALS WITHIN DRIP LINES OF TREES.
- REMOVE EXISTING VEGETATION, INCLUDING ALL STUMPS AND ROOTS AND DISPOSE OFF SITE. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY. WHEN LOCATED IN PROPOSED LAWN/PLANTING AREAS BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO 90% OF IN PLACE DRY DENSITY.
- 5 EXISTING PAVEMENT OR GRAVEL REMAINS. PROTECT. REPLACE ANY PAVEMENT DAMAGED DURING CONSTRUCTION
- REMOVE EXISTING PAVEMENT OR GRAVEL SURFACE AND HAUL OFF SITE OR MILL AND USE AS GENERAL EARTH FILL WHEN MEETING SPECIFIED SIEVE REQUIREMENTS. REMOVE GRANULAR BASE COURSE AND HAUL OFF SITE OR USE AS GENERAL EARTH FILL WHEN MEETING SPECIFIED SIEVE REQUIREMENTS.
- T EXISTING SITE UTILITY REMAINS, PROTECT.
- REMOVE EXISTING SITE UTILITY DISPOSE OFF SITE AND BACK FILL VOID WITH IMPORTED GRANULAR BACKFILL, COMPACTED TO MINIMUM 95% OF IN PLACE DRY DENSITY.
- $\left\langle \mathfrak{I} \right\rangle$  Existing site feature remains. Protect.
- REMOVE EXISTING SITE FEATURE AND DISPOSE OFF SITE, INCLUDING ANY ASSOCIATED FOOTINGS OR UNDERDRAINS. BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 95% OF IN PLACE DRY DENSITY. WHEN LOCATED IN PROPOSED LAWN/PLANTING AREAS BACKFILL VOID WITH IMPORTED GRANULAR BACKFILL COMPACTED TO 90% OF IN PLACE DRY DENSITY.
- (11) REMOVE EXISTING SITE FEATURE AND RETURN TO OWNER.
- $\sim$  SAW CUT NEAT, STRAIGHT EDGE. PRIOR TO PAVING. AT SIDEWALKS REMOVE AT NEAREST SCORE JOINT.
- VERIFY LOCATION, ELEVATION, INVERT AND TYPE OF EXISTING PIPE PRIOR TO CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY IMMEDIATELY.
- ADJUST UTILITY TO FINISHED GRADE. FURNISH ALL LABOR AND MATERIAL TO ACCOMPLISH.
- (15) MEET EXISTING LINE AND GRADE.
- SLIP DOWEL NEW CONCRETE WALK INTO EXISTING CONCRETE WALK OR BUILDING FOUNDATION WALL WITH No. 4 SLIP DOWEL, 18" LONG, 12" O.C., 2" CLEAR MINIMUM FROM SURFACE. INSERT DOWELS EQUAL LENGTH INTO EXISTING AND NEW CONCRETE. PROVIDE EXPANSION JOINT AND SEALANT.
- $\langle$  IT $\rangle$  ALIGN NEW EDGE WITH EXISTING.
- (18) CAP END SILT TIGHT.
- PROVIDE HOT TAR ASPHALT CRACK SEALER BETWEEN EXISTING AND NEW ASPHALT JOINT.
- CAMERA SCOPE AND JET WASH EXISTING STORM PIPE FOR FREE FLOWING CONDITION, NOTIFY ARCHITECT OF ANY EXISTING DAMAGE IMMEDIATELY.



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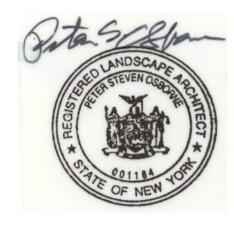
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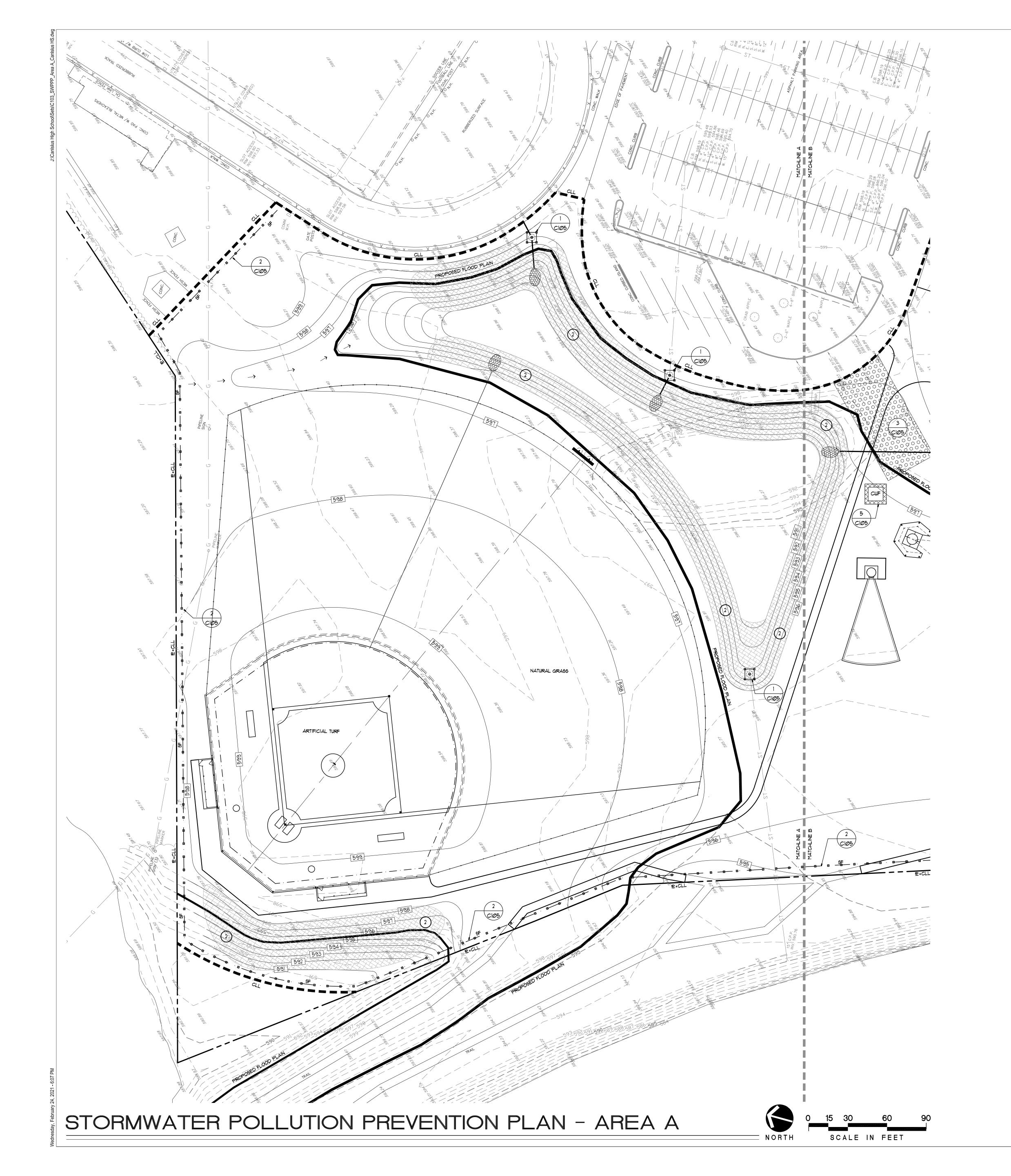
**Project Address:** ROBERT J. STRANSKY MEMORIAL COMPLEX 2885 CLINTON STREET WEST SENECA, NEW YORK 14224

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SITE PREPARATION PLAN - AREA A

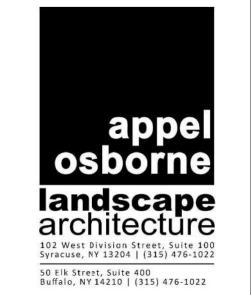






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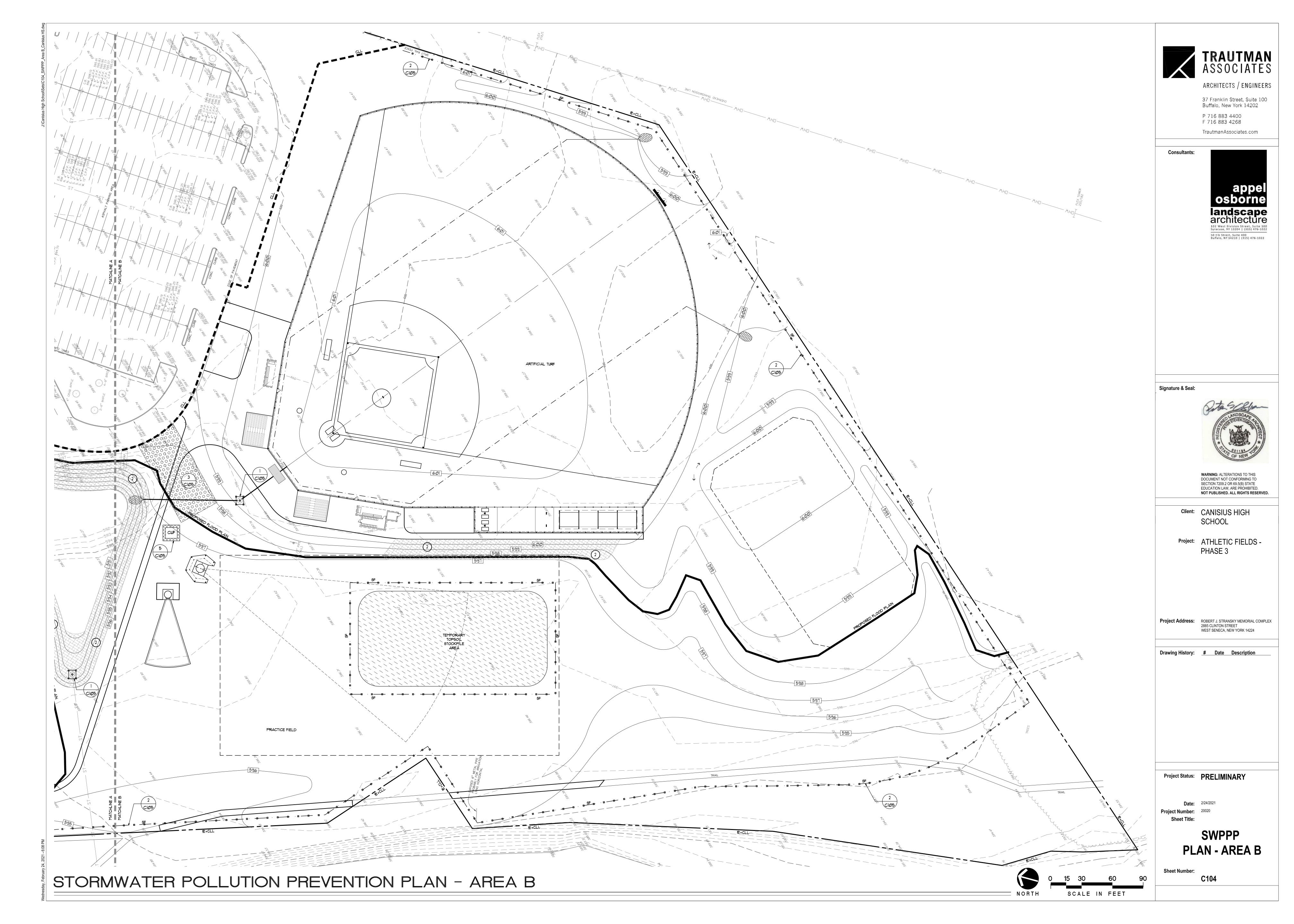
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**SWPPP PLAN -**AREA A



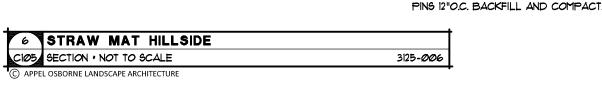
PINS TYP.

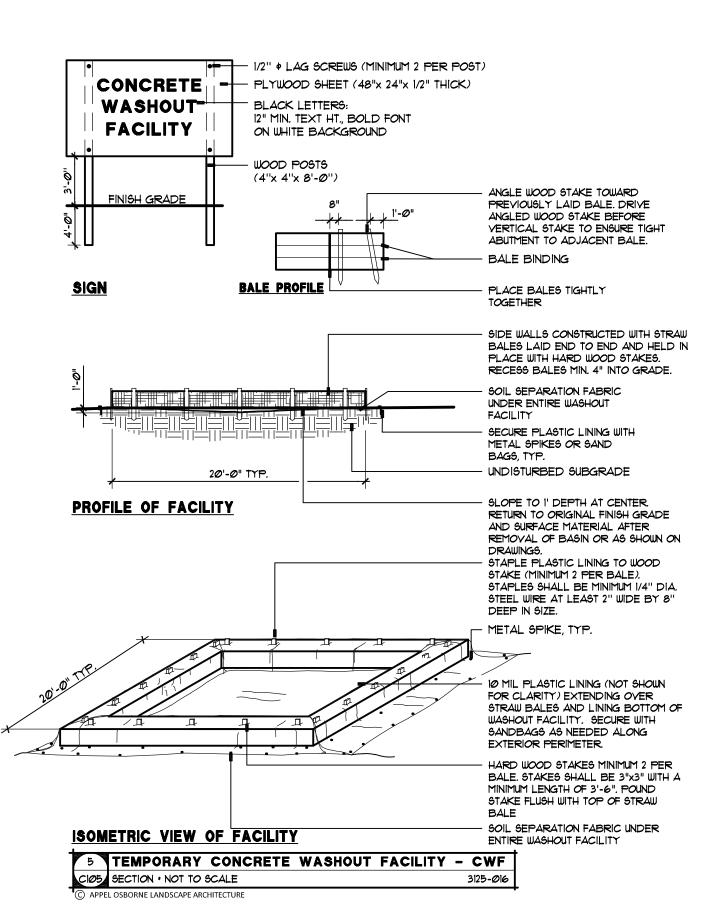
ANCHOR WITH PINS 12" O.C. AT

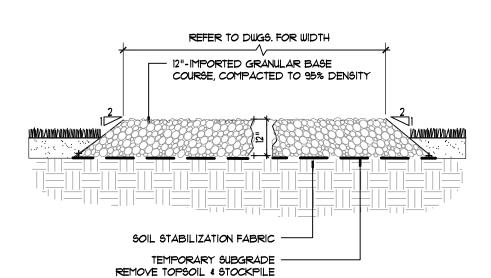
EXCAVATE TRENCH AT BOTTOM OF HILL,

BURY STRAW MAT AND ANCHOR WITH

BOTTOM OF SLOPE

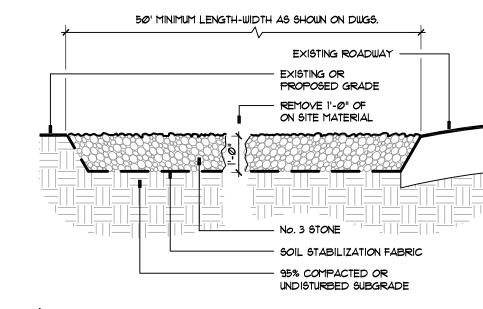




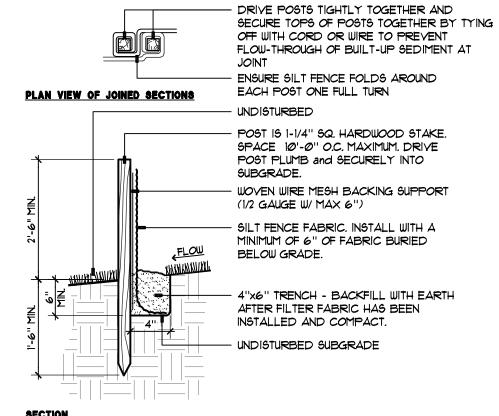


1. AT COMPLETION OF PROJECT, REMOVE GRANULAR MATERIAL FROM SITE OR USE AS GENERAL EARTH FILL AS APPROVED BY THE ARCHITECT RECONDITION TOPSOIL, FINE AND SEED AS DIRECTED BY THE ARCHITECT TO MATCH EXISTING LAWN CONDITIONS AS SPECIFIED

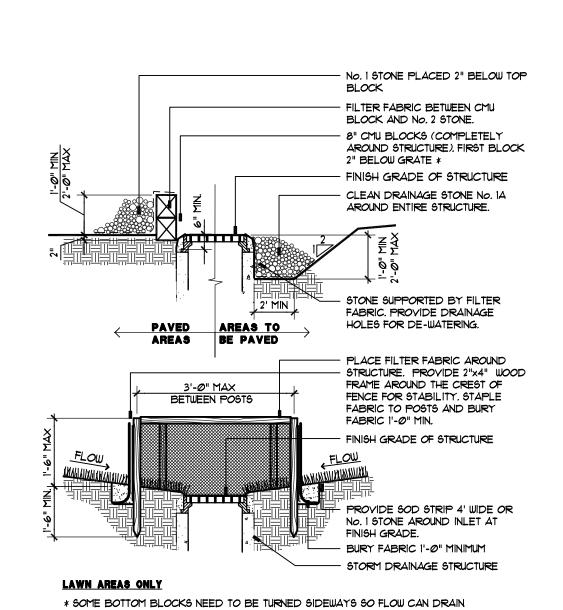
4 TEMPORARY CONSTRUCTION ROAD/STAGING AREA CIØ5 SECTION · NOT TO SCALE 3125-026 EL OSBORNE LANDSCAPE ARCHITECTUR



3 OFFSITE SEDIMENT TRACKING CONTROL TYPE 1 CIØ5 SECTION + NOT TO SCALE



# 2 SILT FENCE = SF CIØ5 SECTION + NOT TO SCALE



THROUGH THE BLOCKS

CIØ5 SECTION + NOT TO SCALE

STORM STRUCTURE PROTECTION

## STORMWATER POLLUTION PREVENTION PLAN NOTES

### OBJECTIVE

PREVENTION OF EROSION AND POLLUTION FROM STORMWATER RUNOFF FOR THE DURATION OF THIS PROJECT IS THE RESPONSIBILITY | ARCHITECT AND SITE CONTRACTOR WITH DEC CERTIFICATION) OF (PM TO FILL APPROPRIATE CONTRACTOR). ALL STORMWATER POLLUTION PREVENTION CONTROL WORK INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE INCLUDED IN THE (PM AND FOLLOWING ANY STORM EVENT OF Ø.5 INCHES OR GREATER. TO FILL APPROPRIATE CONTRACTOR) BASE BID. DAMAGES RESULTING FROM, BUT NOT LIMITED TO NEGLIGENCE, IMPROPER | MAINTENANCE OR GENERAL DISREGARD FOR EROSION CONTROL MEASURES SHALL BE IMMEDIATELY CORRECTED BY (PM TO FILL APPROPRIATE CONTRACTOR) TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, ENGINEER OR CERTIFIED EROSION CONTROL | SPECIALIST HIRED BY THE OWNER FOR THE SWPPP INSPECTIONS AS REQUIRED BY THE NYSDEC. DAMAGES RESULTING FROM OTHER CONTRACTORS SHALL BE REPAIRED BY (PM TO FILL APPROPRIATE | CONTRACTOR) ON A TIME AND MATERIAL BASIS AND BACK CHARGED TO THE RESPONSIBLE PARTY, ANY FINES LEVIED ON THE OWNER BY GOVERNING AUTHORITIES FOR SWPPP VIOLATIONS SHALL BE BACK CHARGED TO THE RESPONSIBLE PARTY.

#### SITE DESCRIPTION

PROJECT DESCRIPTION:

PROJECT NAME AND LOCATION: OWNER NAME AND ADDRESS: CANISIUS HIGH SCHOOL CANISIUS HIGH SCHOOL ROBERT J STRANKSY MEMORIAL 1180 DELAWARE AVENUE COMPLEX BUFFALO, NY 14209 2885 CLINTON STREET WEST SENECA, NY 14224

OWNER HAS OBTAINED APPROVAL FROM THE STATE EDUCATION DEPARTMENT FOR A RENOVATION PROJECT. THIS PROJECT CONSISTS | KEEPING THE EROSION AND SEDIMENT AND WATER QUANTITY AND OF BUILDING, ATHLETIC, AND SITE RENOVATIONS OVER A SINGLE PHASE, SOIL DISTURBING ACTIVITIES SHALL INCLUDE: CLEARING AND GRUBBING, INSTALLING A STABILIZED CONSTRUCTION ENTRANCE, AND OTHER EROSION AND SEDIMENT CONTROLS, GRADING, EXCAVATION FOR THE PLAYFIELDS AND BUILDING ADDITIONS, AND PREPARATION FOR FINAL SEEDING. THE PROJECT IS SCHEDULED TO BEGIN IN THE SUMMER OF YEAR AND BE COMPLETED IN THE SUMMER OF YEAR.

SITE AREA: THE SITE IS APPROXIMATELY 00.0 + ACRES OF WHICH 00.0 + ACRES SHALL BE DISTURBED BY CONSTRUCTION ACTIVITIES.

#### SEQUENCE OF MAJOR ACTIVITIES:

#### SEQUENCING OF THE SITE SHALL CORRESPOND WITH SITE PHASING PLAN SHEET.

GENERAL: ) INSTALL OFFSITE TRACKING AND TEMPORARY ACCESS ROAD. .) INSTALL SILT FENCE WHERE SHOWN AND ON DOWNHILL SLOPES. B.) CONTINUE WITH SITE REMOVALS AND VEGETATION CLEARING. 4.) STRIP AND STOCKPILE TO AREAS INDICATED, TEMPORARILY SEED AND PROTECT WITH SILT FENCE. .) INSTALL SEDIMENT BASIN TEMPORARY OUTLET TRAP AND UPPER SITE CUTOFF DRAINAGE. STABILIZE AREA WITH TEMPORARY

SEEDING AND TSD'S. ) INITIATE NECESSARY CUT AND FILLS TO SUBGRADE OF BUILDING AND SURROUNDS. ) INSTALL DRAINAGE , RETAINING WALLS, OTHER UTILITIES, STABILIZE SLOPES WITH STRAW MAT AS INDICATED.

8.) INSTALL SITE FEATURES INCLUDING STAIRS, RAMPS, PLAYSCAPES, FENCING, ETC. B.) INSTALL ALL PAYEMENT SUBGRADES, CURBS, AND GUTTERS. INSTALL ASPHALT PAYING AND CONCRETE WALKS. (Ø.) SPREAD TOPSOIL ON BASEBALL FIELD AND ALL LAWN AREAS. CLEAN SILT OUT OF TEMPORARY SEDIMENT BASIN AND SEED ) SEED AND SOD LAWN AREAS AS INDICATED, AND INSTALL

.) FERTILIZE, WATER, AND MOW LAWN AREAS .) REMOVE ALL MECHANICAL EROSION CONTROL AFTER LAWN IS STABILIZED

#### NAME OF RECEIVING WATERS:

STABILIZATION PRACTICES

THE RUNOFF FROM THE SITE FLOWS INTO AN EXISTING LAWN INFILTRATION AREA AND THEN PERCOLATES INTO THE SOIL ON SITE.

### CONTROLS

PLANTINGS.

TEMPORARY STABILIZATION: STABILIZE TOPSOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN I DAYS WITH TEMPORARY SEED AND MULCH. REFER TO SEEDING SPECIFICATIONS. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAYEMENT CAN BE APPLIED.

PERMANENT STABILIZATION: STABILIZE DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES WITH PERMANENT SEED NO LATER THAN I DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. REFER TO SEEDING SPECIFICATIONS.

# STORM WATER MANAGEMENT

STORMWATER DRAINAGE SHALL BE PROVIDED BY STORMWATER MANAGEMENT TRENCHES, DRYWELLS, IMPROVED TOPSOIL / COMPOST ATHLETIC FIELDS, PROPOSED INFILTRATION BASIN, EXISTING INFILTRATION BASIN, AND TWO LARGE UNDERGROUND STORAGE SYSTEMS.

## WASTE DISPOSAL

<u> Waste Materials:</u> collect and store all site related waste MATERIALS. THE DUMPSTERS SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER SHALL BE EMPTIED A MINIMUM OF TWICE PER WEEK OR MORE OFTEN IF NECESSARY. NO BUILDING CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON-SITE.

HAZARDOUS MATERIALS: DISPOSE ALL SITE RELATED HAZARDOUS WASTE MATERIALS IN THE MANNER SPECIFIED BY LOCAL OR STATE

<u>SANITARY WASTE:</u> DISPOSE ALL SANITARY WASTE FROM PORTABLE UNITS A MINIMUM OF THREE TIME PER WEEK OR AS REQUIRED BY LOCAL REGULATION.

# OFF SITE VEHICLE TRACKING

PROVIDE STABILIZED CONSTRUCTION ENTRANCE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. SWEEP THE PAVED STREET ADJACENT TO THE SITE ENTRANCE DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPAULIN. REPAIR OR REPLACE OFF SITE TRACKING STONE AS MUD OR DEBRIS IS ACCUMULATED.

# TIMING OF CONTROLS / MEASURES

REGULATION OR BY THE MANUFACTURER.

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE TEMPORARY EROSION AND SEDIMENT CONTROLS, STABILIZED CONSTRUCTION ENTRANCES AND STAGING AREA SHALL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN I DAYS SHALL BE STABILIZED WITH A TEMPORARY SEED AND MULCH. ONCE CONSTRUCTION ACTIVITY CEASED PERMANENTLY IN AN AREA, THAT AREA SHALL BE STABILIZED WITH PERMANENT LAWN. AFTER THE SITE IS STABILIZED, ANY ACCUMULATED SEDIMENT AND THE TEMPORARY CONTROLS SHALL BE REMOVED. ANY DISTURBED AREAS NOT STABILIZED PRIOR TO SNOW FALL SHALL RECEIVE DRY MULCH TO PROTECT DURING WINTER MONTHS.

# CERTIFICATIONS

PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR, SITE EARTHWORK CONTRACTOR, SITE LANDSCAPING CONTRACTOR AND OTHER SUBCONTRACTORS AS DETERMINED BY THE ARCHITECT SHALL SIGN CERTIFICATION NOTED IN SPECIFICATION 31 2501.

ALL EROSION, SEDIMENT AND POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AND REQUIREMENTS FOR A STATE POLLUTION DISCHARGE ELIMINATION (SPDES) GENERAL PERMIT FOR STORM WATER DISCHARGE FOR CONSTRUCTION ACTIVITY. THE SPDES PERMIT (GP-0-20-001) IS PURSUANT TO THE NYSDEC AND FEDERAL ENVIRONMENTAL CONSERVATION LAW AND HAS PENALTIES AND FINES RELATED TO VIOLATIONS.

#### MAINTENANCE / INSPECTION PROCEDURES

(INSPECTION ON EROSION CONTROLS SHALL BE PERFORMED BY THE INSPECT ALL CONTROL MEASURES AT LEAST ONCE EACH WEEK

. MAINTAIN ALL MEASURES IN GOOD WORKING ORDER± IF A REPAIR || 16 NECESSARY, SITE CONTRACTOR SHALL INITIATE WITHIN 24 HOURS OF REPORT

B. REMOVE BUILT UP SEDIMENT FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

1. INSPECT SILT FENCE FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

BREACHES PROMPTLY. . INSPECT TEMPORARY AND PERMANENT SEEDING AND PLANTING

5. INSPECT DIVERSION DIKE/ AND OR DITCHES AND REPAIR ANY

FOR BARE SPOTS, WASHOUT, AND HEALTHY GROWTH. . PREPARE A MAINTENANCE INSPECTION REPORT AFTER EACH

8. THE OWNER'S PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM THE ARCHITECT AND CONTRACTOR. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR QUALITY SYSTEMS CONTROLS USED ON-SITE IN GOOD WORKING ORDER, POST CONSTRUCTION.

#### INVENTORY FOR POLLUTION PREVENTION PLAN MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ON-SITE DURING CONSTRUCTION: - CLEANING SOLVENTS CONCRETE

- MASONRY BLOCK **FERTILIZERS** - WOOD DETERGENTS PETROLEUM BASED PRODUCTS - ASPHALT PAINTS (ENAMEL AND LATEX) - MISC. CONSTRUCTION MATERIALS

#### SPILL PREVENTION

INSPECTION.

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT: - STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. - STORE ALL MATERIALS STORED ON-SITE IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE - KEEP PRODUCTS IN THEIR ORIGINAL CONTAINERS WITH THE

ORIGINAL MANUFACTURER'S LABEL. WHENEVER POSSIBLE, USE UP ALL OF A PRODUCT BEFORE DISPOSING OF THE CONTAINER. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS: KEEP PRODUCTS IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. RETAIN ORIGINAL LABELS AND MATERIAL SAFETY DATA. THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, FOLLOW MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL.

. MONITOR ALL ON-SITE VEHICLES FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED OSHA APPROVED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S AND ARCHITECT'S RECOMMENDATIONS.

APPLY FERTILIZERS USED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER AND ARCHITECT. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER, STORAGE SHALL BE IN COVERED STORAGE. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

. SEAL AND STORE ALL PAINT CONTAINERS TIGHTLY WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT BE DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

6. CONCRETE AND ASPHALT TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH

WATER ON THE SITE.

SWPPP LEGEND	
SYMBOL	DESCRIPTION
	STRAW MAT HILLSIDE / SWALE
	LAWN TYPE (SEE SPEC.)
	EXISTING CONTOUR PROPOSED CONTOUR SILT FENCE
+ + + + + + +	OFF SITE TRACKING CONTROL CONSTRUCTION ENTRY/EXIT
	TEMPORARY FABRIC INLET PROTECTION
	TOPSOIL STOCKPILE AREA
TSB	TEMPORARY SEDIMENT FILTER BAG
CWF	CONCRETE WASHOUT FACILITY
15D	TRIANGLE SILT DIKE
	TREE PROTECTION
	EXISTING VEGETATION PROTECTION
	TEMPORARY SEDIMENT TRAP
	TEMPORARY DIVERSION SWALE
	CULVERT PROTECTION

LIMITS OF TEMPORARY OUTLET SEDIMENT TRAPS

AREAS OF DEEP-RIPPING AND DECOMPACTION



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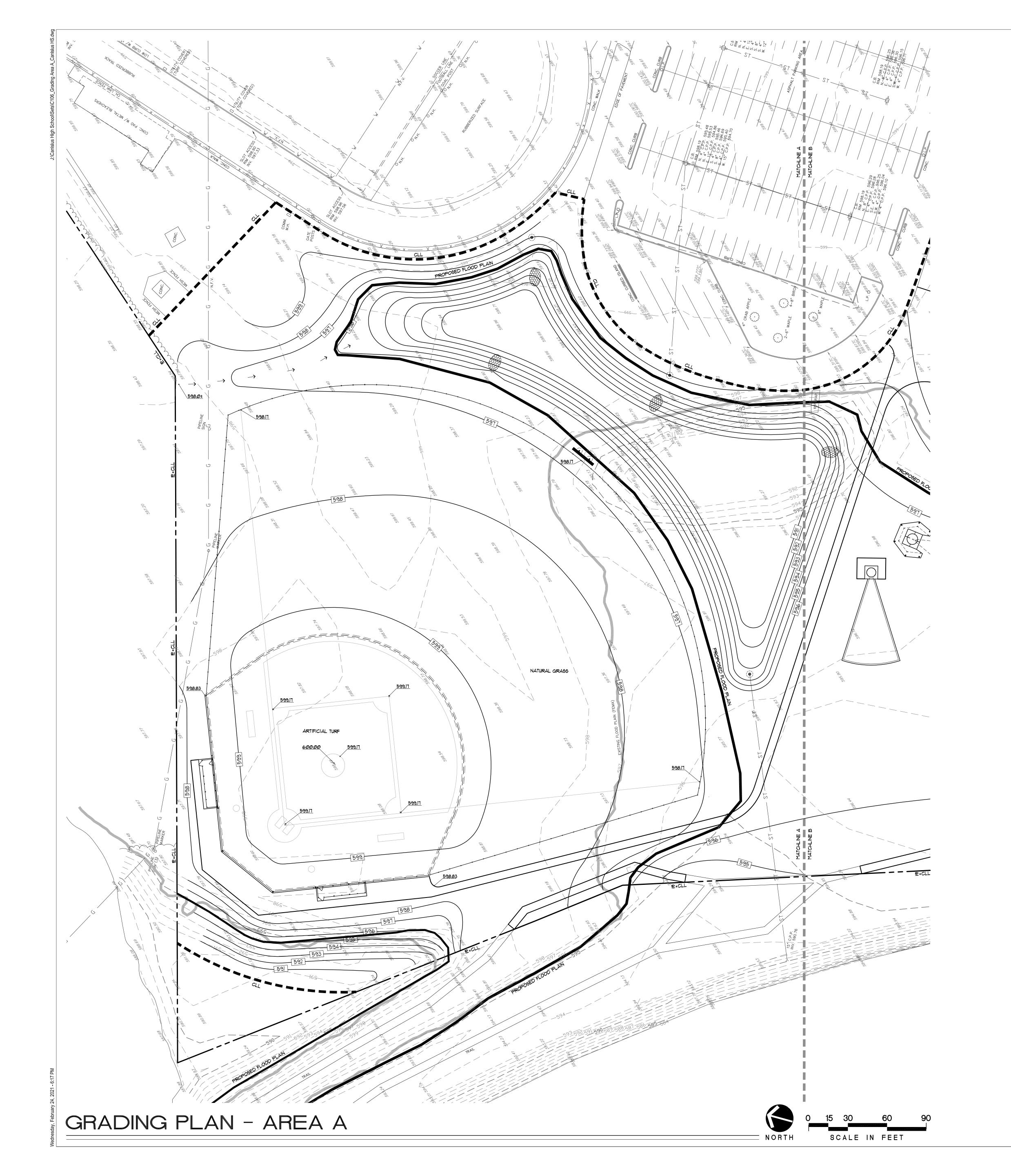
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**GRADING PLAN -AREA A** 

