Phase 1 Capital Improvement Project - Septic

Reconstruction to:

Cato-Meridian Elementary School
Junior-Senior High School
Bus Garage

05-04-01-04-0-001-039
05-04-01-04-0-004-025
05-04-01-04-5-002-010

Cato-Meridian Central School District
Cato, New York

Project Location Map

Drawing List

GENERAL
G001 Title Sheet
G100 Symbols and Abbreviations

SURVEY/ MAPPING
AV001 Boundary and Topographic Survey - Sheet 1 of 7
AV002 Boundary and Topographic Survey - Sheet 2 of 7
AV003 Boundary and Topographic Survey - Sheet 3 of 7
AV004 Boundary and Topographic Survey - Sheet 4 of 7
AV005 Boundary and Topographic Survey - Sheet 5 of 7
AV006 Boundary and Topographic Survey - Sheet 6 of 7
AV007 Boundary and Topographic Survey - Sheet 7 of 7

Cato-Meridian Elementary School

CODE COMPLIANCE
AG350 Code Compliance Review Basement and First Floor Plans
AG351 Code Compliance Review Second and Third Floor Plans

CIVIL
AC100 Area – C
Site Demolition Plan – System No. 2
AC110 Area – C
Site Soil Erosion and Sediment Control Plan – System No. 2
AC120 Area – C
Site Layout Plan – System No. 2
AC130 Area – C
Site Grading Plan – System No. 2
AC140 Area – C
Site Utility Plan – System No. 2

Junior-Senior High School

CODE COMPLIANCE
BG350 Code Compliance Review Ground and First Floor

CIVIL
BC100 Area – A
Site Demolition Plan – System No. 3
BC110 Area – A
Site Soil Erosion and Sediment Control Plan – System No. 3
BC120 Area – A
Site Layout Plan – System No. 3
BC121 Area – B
Site Layout Plan – System No. 3
BC130 Area – A
Site Grading Plan – System No. 3
BC131 Area – B
Site Grading Plan – System No. 3
BC140 Area – A
Site Utility Plan – System No. 3
BC141 Area – B
Site Utility Plan – System No. 3
BC142 Areas A, B and C
Site Utility Plan – System No. 3 Fiber Optic Plan

Bus Garage

CODE COMPLIANCE
CG350 Code Compliance Review First and Second Floor

CIVIL
CC100 Area – C
Site Demolition Plan – System No. 1
CC110 Area – C
Site Soil Erosion and Sediment Control Plan – System No. 1
CC120 Area – C
Site Layout Plan – System No. 1
CC130 Area – C
Site Grading Plan – System No. 1
CC140 Area – C
Site Utility Plan – System No. 1

Common Details

ZC500 Site Details
ZC501 Site Details - System No. 1
ZC502 Site Details - System No. 1
ZC503 Site Details - System No. 2
ZC504 Site Details - System No. 3
ZC505 Site Details
ZC506 Site Details
ZC507 Site Details

Drawn By:	Date:	Drawing Number:
TTAE	10/20/2023	AA130
Project No.: 374886-23001.1		

BUILDING DESIGNATOR
DISCIPLINE DESIGNATOR
SHEET TYPE DESIGNATOR
SHEET SEQUENCE DESIGNATOR

TETRA TECH
ARCHITECTS & ENGINEERS

Architecture Engineering Planning for High Performance Facilities

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

To the best of the Architect's knowledge, information and belief, the design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Code, and the building standards of the New York State Education Department.

INFORMATIONAL DOCUMENTS

374886-23001.1
10/20/2023

Set No.

Drawing Number:
G001

Site Symbols

- 83.36 — SPOT ELEVATION
- 99.50 TC — TOP OF CURB ELEVATION
- 99.00 BC — BOTTOM OF CURB ELEVATION
- + 83.36 — EXISTING SPOT ELEVATION
- 136 — CONTOUR
- 136 — EXISTING CONTOUR
- TB-1 — SOIL TEST BORING
- TP-1 — TEST PIT LOCATION
- TREE OR SHRUB
- TREE OR SHRUB TO REMAIN
- TREE OR SHRUB TO BE REMOVED
- ASPHALT PAVING OR TOP COURSE
- HEAVY-DUTY ASPHALT PAVING
- REMOVE AND REPLACE ASPHALT PAVING
- CONCRETE PAVING
- CONCRETE SECTION
- CURBING
- CURBING TO REMAIN
- CURBING TO BE REMOVED
- FENCING
- FENCING TO REMAIN
- FENCING TO BE REMOVED
- SILT FENCING
- TEMPORARY CONSTRUCTION FENCING
- HAY BALES
- TEMPORARY TREE PROTECTION
- UTILITY POLE
- UTILITY POLE TO REMAIN
- UTILITY POLE TO BE REMOVED
- NEW OR RELOCATED FIRE HYDRANT
- FIRE HYDRANT TO REMAIN
- DROP INLET
- CATCH BASIN
- STORM/SANITARY MANHOLE
- DROP INLET TO REMAIN
- MANHOLE/CATCH BASIN/DRYWELL TO REMAIN
- DRYWELL W/ GRATE
- DRYWELL W/ SOLID COVER TO GRADE
- DRYWELL W/ COVER BURIED
- ST — STORM LINE WITH HEADWALL
- ST — STORM LINE WITH ENDWALL
- ST — STORM LINE WITH END SECTION
- ST — STORM PIPE
- ST — STORM PIPE TO REMAIN
- ST — STORM PIPE TO BE REMOVED/ABANDONED
- UD — UNDERDRAIN
- UD — UNDERDRAIN TO REMAIN
- UD — UNDERDRAIN TO BE REMOVED/ABANDONED
- SAN — SANITARY LINE
- SAN — SANITARY LINE TO REMAIN
- SAN — SANITARY LINE TO BE REMOVED/ABANDONED
- G — GAS LINE
- G — GAS LINE TO REMAIN
- G — GAS LINE TO BE REMOVED/ABANDONED
- W — WATER LINE
- W — WATER LINE TO REMAIN
- W — WATER LINE TO BE REMOVED/ABANDONED
- CO — STORM/SANITARY CLEANOUT
- GATE VALVE
- SIGN POST
- UNIVERSAL HANDICAP SYMBOL
- REMOVAL
- RIP-RAP

Architectural Symbols

- EXISTING TO REMAIN
- DEMOLITION WORK
- NEW WORK IN EXISTING (MATERIAL INDICATION VARIES)
- NEW WORK (MATERIAL INDICATION VARIES)
- CMU AND BRICK CAVITY WALL
- CMU WALL
- GYPSUM BOARD PARTITION W/ METAL STUD WALL
- OPERABLE PARTITION
- 100 / 1 — DOOR NUMBER (ROOM NO W/ DOOR NO)
- A — WINDOW TYPE
- 126 — RELOCATED EQUIPMENT FURNITURE OR CASEWORK NUMBER
- P3.8 — PARTITION TYPE
- MGM — BOARD UNIT SYMBOL
- FINISH CHANGE

ROOF SYMBOLS

- AREA OF TAPERED INSULATION
- EXISTING ROOF DRAIN WITH RETROFIT ROOF DRAIN INSERT IN NEW FACTORY-TAPERED SUMP
- EJ/CONTROL JOINT
- TAPERED 1/4"/FT — DIRECTION OF DOWNWARD SLOPE AND DEGREE OF SLOPE OF TAPERED INSULATION (MINIMUM 1/8"/FT, TYP UNO)
- OR — DIRECTION OF DOWNWARD SLOPE OF TAPERED INSULATION CRICKET (MINIMUM 1/4"/FT, TYP UNO)
- SLOPE STRU — DIRECTION OF DOWNWARD SLOPE OF ROLLED OR SLOPED STRUCTURE
- +X" — TOTAL THICKNESS OF INSULATION
- +X" FLAT — TOTAL THICKNESS OF AREA OF FLAT INSULATION
- RS-X — DESIGNATES ROOF SYSTEM TYPE
- WALKWAY PAD
- S L — SKYLIGHT (REINSTALLED OR REPLACED)
- SMOKE VENT OR ROOF HATCH
- OR — PIPE PENETRATION
- OR — ROOFTOP HOOD ON CURB, TYP
- ROOFTOP EQUIPMENT ON CURB, TYP (SHAPE AND SIZE VARY)

REFLECTED CEILING SYMBOLS

- A 0'-0" — BOTTOM OF CEILING AFF
- CEILING MATERIAL
- CEILING HUNG UNIT VENTILATOR OR CEILING HUNG FAN COIL UNIT
- CEILING RETURN/EXHAUST GRILLE
- CEILING SUPPLY DIFFUSER/GRILLE
- EXIT LIGHT
- 2 X 4 FIXTURE IN 2 X 2 PATTERN

Structural Symbols

- INDICATES AREA IS EXISTING
- INDICATES SLAB IS DEPRESSED OR RECESSED
- [-4'-0] [-3'-0] <-1'-8> — TOP OF FTG ELEVATION FROM DATUM; CONTINUOUS FTG; FOUNDATION WALL; BM POCKET ELEVATION FROM DATUM; STEPPED FOOTING
- P1 (-8) F4 [-3'-0] — INDICATES PIER TYPE; TOP OF PIER ELEVATION FROM DATUM; TOP OF FOOTING ELEVATION FROM DATUM; INDICATES FOOTING TYPE REFER TO FOOTING SCHEDULE
- RD — INDICATES A FRAMED ROOF OR FLOOR OPNG COORD SIZE AND LOCATION; INDICATES FRAMED OPNG IS FOR: RD = ROOF DRAIN, ME = MECH EQUIP, SL = SKYLIGHT, SH = SMOKE HATCH, AH = ACCESS HATCH
- (-6) W8X15 [14] (GIR) 21K 0.7 21K — ELEVATION FROM DRAWING DATUM; BEAM SIZE; NUMBER OF SHEAR STUDS OVER FULL LENGTH OF BEAM; INDICATES TOP OF BEAM AT ADJ GIRDER ELEV; END REACTION- KIPS; DEFLECTION (INCHES) APPROX W/ WET CONC
- L-2 — LINTEL DESIGNATION SEE SCHEDULE; INDICATES LINTEL CONNECTION TO COLUMN; INDICATES MEMBER IS EXISTING; INDICATES BEAM SPLICE; INDICATES MOMENT CONNECTION; OVER COLUMN; INDICATES SHEAR WALL CONNECTION TO BEAM; INDICATES BM TO HAVE TOP OF WALL CLIPS
- 12K3 — JOIST DESIGNATION; INDICATES BEAM FRAMES HORIZONTAL BRIDGING; JOIST; DIAGONAL BRIDGING
- MASONRY LOAD BEARING WALL
- SHEAR WALL SEE SCHEDULE
- CFMF BEARING WALL
- FIREWALL
- SW1 — WALL TYPE

Mechanical Symbols

- TAG NO. / VALUE — EQUIPMENT TAG (NON-MOTORIZED); CFM, GPM, CAPACITY
- TAG NO. / VALUE — EQUIPMENT TAG (MOTORIZED)
- TAG NO. / NECK SZ. / CFM — REGISTER, GRILLE, DIFFUSER
- FTR-TYPE / ENC. LENGTH / ELEM. LENGTH / GPM — FIN TUBE RADIATION; ENCLOSURE NOTED AS: W/W: WALL TO WALL, W/U: WALL TO UNIT, W/D: WALL TO DOOR, ETC...
- SUPPLY DUCT - POSITIVE PRESSURE
- RETURN DUCT - NEGATIVE PRESSURE
- EXHAUST DUCT - NEGATIVE PRESSURE
- 8x8 — DUCTWORK, FIRST VALUE IS SIZE OF SIDE IN VIEW
- DUCT TRANSITION
- DUCT OFFSET
- RECTANGULAR ELBOW W/TURNING VANES
- RECTANGULAR ELBOW
- ROUND DUCTWORK W/ MITERED ELBOW
- RADIUS ELBOW W/ TURNING/SPLITTER VANES
- RADIUS ELBOW
- STANDARD BRANCH DUCT W/VOLUME DAMPER
- ACOUSTICALLY LINED DUCTWORK
- ACOUSTICALLY LINED DUCTWORK (UP/DOWN)
- OR — FLEXIBLE DUCT
- VOLUME DAMPER
- FD — FIRE DAMPER
- SD — SMOKE DAMPER
- FSD — FIRE AND SMOKE DAMPER
- AAD — AUTOMATIC AIR DAMPER
- BDD — BACKDRAFT DAMPER
- EXISTING DUCTWORK
- AIR FLOW
- DUCT AIR FLOW
- EXISTING MECHANICAL EQUIPMENT TO BE REMOVED
- EXISTING MECHANICAL EQUIPMENT
- MECHANICAL EQUIPMENT
- ACCESS CLEARANCE

- ATV — ATMOSPHERIC VENT
- BBD — BOILER BLOW DOWN
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- CGS — CHILLED GLYCOL SUPPLY
- CGR — CHILLED GLYCOL RETURN
- CD — CONDENSATE DRAIN
- C — CONDENSER WATER SUPPLY
- CR — CONDENSER WATER RETURN
- GS — GLYCOL SUPPLY
- GR — GLYCOL RETURN
- HGS — HOT GLYCOL SUPPLY
- HGR — HOT GLYCOL RETURN
- HPWS — HEAT PUMP SUPPLY
- HPWR — HEAT PUMP RETURN
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- HCS — HOT/CHILLED WATER SUPPLY
- HCR — HOT/CHILLED WATER RETURN
- LPS — LOW PRESSURE STEAM
- LPC — LOW PRESSURE CONDENSATE
- LPWC — LOW PRESSURE STEAM WET (FLOODED) CONDENSATE
- MU — MECHANICAL EQUIPMENT MAKE-UP COLD WATER(NON-POTABLE)
- RS — REFRIGERANT SUCTION
- RL — REFRIGERANT LIQUID
- HG — REFRIGERANT HOT GAS
- PD — PUMP DISCHARGE
- REMOVE EXG. DUCT, PIPING, EQUIPMENT
- EXG — EXISTING HVAC PIPE
- BOTTOM PIPE CONNECTION
- TOP PIPE CONNECTION
- PIPE ELBOW DOWN
- PIPE ELBOW UP
- PIPE DOWN WITH CLEANOUT AT BASE
- PIPE DOWN WITH SHUTOFF VALVE
- CAP OR PLUG
- UNION CONNECTION
- FLANGE CONNECTION
- PIPING REDUCER (CONCENTRIC)
- PIPING REDUCER (ECCENTRIC)
- PIPE ANCHOR
- PIPE GUIDE
- EXPANSION COMPENSATOR
- EXPANSION JOINT
- FLEX CONNECTOR
- TEMPERATURE OR PRESSURE PROBE WELL
- THERMOMETER
- P — PRESSURE SWITCH
- P — PRESSURE GAUGE
- TP — TEMPERATURE/ PRESSURE GAUGE
- MANUAL AIR VENT
- AV — AUTOMATIC AIR VENT
- SV — STEAM VENT
- VB — VACUUM BREAKER
- F — FLOW SWITCH
- M — FLOW METER
- ORIFICE METER
- VENTURI FLOW METER
- WYE STRAINER
- WYE STRAINER WITH BLOW DOWN VALVE
- DIRECTION OF FLOW
- PIPE BREAK
- M — WATER METER

- BASKET STRAINER
- DUPLEX BASKET STRAINER
- A — AQUASTAT
- D — PITCH PIPING (DOWN)
- AUTOMATIC FLOW CONTROL VALVE
- BACKFLOW PREVENTOR
- B — BALANCING VALVE
- BALL VALVE
- EXISTING BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- 2-WAY CONTROL MODULATING VALVE
- 3-WAY CONTROL, MODULATING VALVE (INSTALL STEM VERTICAL)
- 3-WAY CONTROL, THERMOSTATIC MIXING VALVE (SELF-CONTAINED)
- S — SOLENOID (ELECTRIC) ON/OFF
- M — MOTORIZED MODULATING VALVE
- FUSIBLE LINK VALVE
- GAS PRESSURE REGULATOR VALVE
- TRIPLE DUTY VALVE
- GATE VALVE
- GLOBE VALVE
- OS&Y GATE VALVE
- PLUG VALVE
- PRESSURE REDUCING VALVE
- PRESSURE RELIEF VALVE
- STEAM TRAP
- T — THERMOSTATIC STEAM TRAP
- FT — FLOAT AND THERMOSTATIC STEAM TRAP
- B — BUCKET STEAM TRAP
- AIR SEPARATOR
- CIRCULATING PUMP
- WATER HAMMER ARRESTOR
- CLEANOUT PLUG
- CODP — CLEANOUT DECK PLATE
- F — FIRE RISER VALVE ASSEMBLY
- BS — BURNER SHUT OFF
- H — HUMIDISTAT
- H S — HUMIDITY SENSOR
- H SG — HUMIDITY SENSOR W/ GUARD
- P S — PRESSURE SENSOR
- P SG — PRESSURE SENSOR W/ GUARD
- S — SWITCH
- T — THERMOSTAT
- T G — THERMOSTAT W/ GUARD
- T S — TEMPERATURE SENSOR
- CO2 — CO2 SENSOR
- POC — POINT OF CONNECTION
- FIRE DEPARTMENT CONNECTION

- CONNECTION TO EXISTING PIPING
- PLATE STRAINER
- HOSE BIBB
- CA — COMPRESSED AIR
- LV — LABORATORY VENT
- LW — LABORATORY WASTE
- LW — LABORATORY WASTE (BURIED)
- V — VENT
- SAN — SANITARY (ABOVE GRADE)
- SAN — SANITARY (BURIED)
- IW — INDIRECT WASTE
- ST — STORM (ABOVE GRADE)
- ST — STORM (BURIED)
- SP — FIRE STANDPIPE
- F — FIRE MAIN
- SPRK — FIRE SPRINKLER
- EXISTING COLD WATER
- EXISTING HOT WATER
- EXG HOT WATER RETURN
- 110° HW — EXISTING 110° HOT WATER
- 140° HW — EXISTING 140° HOT WATER
- 180° HW — EXISTING 180° HOT WATER
- COLD WATER
- HOT WATER
- HOT WATER RETURN
- 110° HW — 110° HOT WATER
- 140° HW — 140° HOT WATER
- 180° HW — 180° HOT WATER
- TW — TEMPERED (HOT) WATER
- RAW — RAW WATER
- SW — SOFT WATER
- DE — DEIONIZED WATER
- DI — DISTILLED WATER
- G — GAS
- P — PROPANE
- D — DIESEL FUEL
- U — UNLEADED GASOLINE
- FOS — EXG FUEL OIL SUPPLY
- FOS — FUEL OIL SUPPLY
- FOR — EXG FUEL OIL RETURN
- FOR — FUEL OIL RETURN
- FOV — EXG FUEL OIL VENT
- FOV — FUEL OIL VENT
- MU — MECHANICAL EQUIPMENT MAKE-UP COLD WATER (NON-POTABLE)
- EXISTING ROOF DRAIN
- ROOF DRAIN REPLACING EXG
- ROOF DRAIN
- SCUPPER ROOF DRAIN
- EXG PLUMBING FIXTURE TO BE REMOVED
- EXG PLUMBING FIXTURE
- PLUMBING FIXTURE
- FLOOR DRAINS
- FLOOR SINK
- WALL HYDRANT
- FIRE HOSE CABINET
- UPRIGHT SPRINKLER HEAD
- PENDANT SPRINKLER HEAD
- CONCEALED SPRINKLER HEAD
- RECESSED SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD

Electrical and Technology Symbols

- # — LIGHT FIXTURE # DENOTES TYPE
- # — LIGHT FIXTURE # DENOTES TYPE
- RETROFITTED LIGHT FIXTURE AS NOTED
- # — COMBINATION EXIT/EMERGENCY LIGHT # DENOTES TYPE
- # — EMERGENCY LIGHT W/BATTERY PACK # DENOTES TYPE
- # — EMER. LIGHT/WALL MOUNT # DENOTES TYPE
- EMERGENCY FIXTURE # DENOTES TYPE
- # — EMERGENCY FIXTURE # DENOTES TYPE
- # — EXIT LIGHT- CEILING MOUNTED # DENOTES TYPE
- # — EXIT LIGHT -WALL MOUNTED # DENOTES TYPE
- DLS — DAYLIGHT SENSOR
- AR # — AREA OF RESCUE LIGHT FIXTURE # DENOTES TYPE
- # — POLE MOUNTED SITE LIGHT # DENOTES TYPE
- $ — LIGHT SWITCH (LINE VOLTAGE): K - KEY OPERATED, 3 - 3 WAY, 4 - 4 WAY
- $ — LIGHT SWITCH (LOW VOLTAGE)
- TC — TIME CLOCK
- OS — OCCUPANCY SENSOR
- VS — VACANCY SENSOR
- PC — PHOTO CELL
- LC — LIGHTING CONTROL
- F — FIRE ALARM MANUAL PULL STATION
- F F — FIRE ALARM BELL- W/STROBE W/0 STROBE
- F F — FIRE ALARM HORN- W/STROBE W/0 STROBE
- S — SMOKE DETECTOR
- B — BEAM SMOKE DETECTOR
- S D — DUCT SMOKE DETECTOR
- H — RATE OF RISE HEAT DETECTOR
- H F — FIXED HEAT DETECTOR
- S — FIRE ALARM STROBE LIGHT
- DH — MAGNETIC DOOR HOLDER
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER (WALL)
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER (CEILING)
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER STROBE (CEILING)
- A — FIRE ALARM / VOICE NOTIFICATION SPEAKER STROBE (WALL)
- A — FIRE ALARM / VOICE NOTIFICATION STROBE (WALL)
- R — RELAY
- RTS — REMOTE INDICATOR TEST SWITCH
- FS — SPRINKLER FLOW SWITCH
- TS — SPRINKLER TAMPER SWITCH
- FAA — FIRE ALARM ANNUNCIATOR PANEL
- FACP — FIRE ALARM CONTROL PANEL
- FAGA — FIRE ALARM GRAPHIC ANNUNCIATOR
- CS — CONTROL STATION- TYPE AS DESCRIBED ON DWGS.
- HCL — HOUSE LIGHTING CONTROL STATION
- DCR — DIMMER CONTROL OUTLET
- AR — AREA OF RESCUE STATION
- MJ — MICROPHONE JACK
- SJ — SPEAKER JACK
- P — HOUSE LIGHT PANIC STATION
- AI — AUDITORIUM INTERCOM
- S — COMBINATION CLOCK/SPEAKER
- CLOCK
- EXISTING TELEPHONE
- TELEPHONE OUTLET: W - WALL MOUNT AT 54" AFF, IC - INTERCOM SOUND SYSTEM HAND SET, BLANK - WALL MOUNT AT 16" AFF
- FLOOR TELEPHONE OUTLET
- INTERCOM CALL SWITCH
- TV — TELEVISION OUTLET
- CO — COMPUTER OUTLET
- A/V — AUDIO/VIDEO OUTLET
- PROJECTOR MOUNTING TILE

- CABLE TRAY - LADDER TYPE
- CABLE TRAY - BASKET TYPE
- SR — SURFACE RACEWAY TYPE AS DESCRIBED ON DWGS.
- CI — COMMUNICATION INTERFACE OUTLET
- S — CEILING MOUNT SPEAKER
- S — WALL MOUNT SPEAKER
- VC — VOLUME CONTROL
- H — HORN SPEAKER
- P — PROGRAM BELL
- FB — FLOOR BOX
- DR — DOOR RELEASE
- SE — SECURITY ALARM HORN
- SE — SECURITY SENSOR: GB - GLASS BREAK, MD - MOTION DETECTOR, SD - SOUND DETECTOR
- DC — SECURITY DOOR CONTACT
- KP # — SECURITY SYSTEM KEYPAD # DENOTES DESIGNATION
- # — SECURITY CAMERA # DENOTES DESIGNATION
- REX — SECURITY REQUEST TO EXIT SENSOR
- PS # — LOW-VOLTAGE POWER SUPPLY # DENOTES DESIGNATION
- ELH — SECURITY ELECTRIC LOCKING HARDWARE
- IC # — DOOR INTERCOM CALL STATION # DENOTES DESIGNATION
- CR # — ACCESS CONTROL CARD READER # DENOTES DESIGNATION
- ADA — ADA PUSH BUTTON
- MON — SECURITY CCTV MONITOR
- DB — SECURITY DURESS BUTTON
- EXISTING PANEL TO REMAIN
- EXISTING PANEL TO REPLACE
- NEW PANEL
- SPD — SURGE PROTECTION DEVICE
- MOTOR
- LABEL # — NEW MOTOR SEE SCHEDULE FOR DESCRIPTION
- PB — PULL BOX
- J — JUNCTION BOX
- H — HAND/HAIR DRYER
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- DUPLEX FLOOR RECEPTACLE
- CR — CORD REEL
- TELE./DATA POWER POLE
- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MOTOR STARTER
- COMBINATION STARTER
- C — CONTACTOR
- CB — ENCLOSED CIRCUIT BREAKER
- EQUIPMENT CONNECTION
- EMERGENCY OFF BUTTON
- T# — TRANSFORMER # DENOTES DESIGNATION REFER TO RISER DIAGRAM
- P — UTILITY POLE
- UT — UNDERGROUND TELEPHONE
- T — OVERHEAD TELEPHONE
- UTV — UNDERGROUND TELEVISION
- TV — OVERHEAD TELEVISION
- UL — UNDERGROUND LIGHTING
- L — OVERHEAD LIGHTING
- UE — UNDERGROUND ELECTRIC
- E — OVERHEAD ELECTRIC
- UC — UNDERGROUND COMMUNICATIONS
- C — OVERHEAD COMMUNICATIONS

Symbol Tags

- F = REMOVE EXISTING
- F^E = EXISTING TO REMAIN
- F^RL = RELOCATE EXISTING
- F^RE = REPLACE EXISTING

TYPICAL FOR ALL ELEC SYMBOLS

- AC = ABOVE CEILING
- AUX = AUXILLARY CONTACT
- WP = WEATHERPROOF
- WG = WIRE GUARD
- A = ABOVE (CASEWORK)
- B = BELOW (CASEWORK)
- H = HORIZONTAL
- TK = TOE KICK
- TS = TEACHER STATION
- USB = UNIVERSAL SERIAL BUS

Standard Symbols

- 2 / A12 — STANDARD REFERENCE BUBBLE; DETAIL NUMBER; DRAWING NUMBER
- Floor Plan 1/8"=1'-0" — DRAWING TITLE & SCALE
- 2 / A112 — BUILDING SECTION
- CLL — CONTRACT LIMIT LINE
- ADA 5' TURNING RADIUS
- 100'-0" 1st FF — ELEVATION CALL OUT
- 2 / A112 — WALL SECTION
- 2 / A12 — ELEVATION
- 1, 2, 3, 4 / A112 — INTERIOR ELEVATION
- 2 / A112 — DETAIL
- N — NORTH ARROW
- CLASSROOM 101 — ROOM NAME AND NUMBER
- PROPERTY LINE
- CUT LINE
- A — COLUMN CENTER LINE
- CENTER LINE
- A / B — MATCH LINE
- 5 — DRAWING REVISION NUMBER
- EARTH
- GRAVEL
- SAND
- CONCRETE
- NEW ASPHALT PAVING OR TOP COURSE
- NEW HEAVY-DUTY ASPHALT PAVING
- REMOVE AND REPLACE ASPHALT PAVING
- BRICK
- CONCRETE MASONRY UNITS
- STONE
- FINISHED WOOD TRIM
- PLYWOOD
- INSULATION (LOOSE OR BATT)
- ROUGH WOOD
- STRUCTURAL GLAZED TILE
- RIGID INSULATION
- METAL, STEEL
- TERRAZZO
- ACOUSTICAL PANEL
- CERAMIC TILE
- RESILIENT FLOORING
- GLASS (LARGE SCALE)
- PLASTER, CEMENT, GROUT, GYPSUM WALL BOARD

Abbreviations

A	
A/S	AIR SEPARATOR
AAC	ASBESTOS ABATEMENT CONTRACTOR
AAD	AUTOMATIC AIR DAMPER
AB	ANCHOR BOLT, AIR BARRIER
AC	AIR CONDITIONING, ALTERNATING CURRENT
ACCMP	ASPHALT COATED CORR METAL PIPE
ACM	ASBESTOS CONTAINING MATERIAL
ACT	ACOUSTICAL CEILING TILE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
ADA	AMERICAN DISABILITIES ACT
ADD	ADDENDUM
ADDL	ADDITIONAL
ADDN	ADDITION
ADH	ADHESIVE
ADJ	ADJACENT
ADR	ACCESS DOOR
AESS	ARCH EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AH	ACCESS HATCH
AHU	AIR HANDLING UNIT
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATE
ALTB	ACOUSTICALLY LINED TRANSFER BOX
ALTN	ALTERATION ALUM ALUMINUM
AMP	AMPERE
ANOD	ANODIZED
ANT	ACID NEUTRALIZATION TANK
AP	ACCESS PANEL, APPROX, APPROXIMATE(LY)
APC	ARCHITECTURAL PRECAST CONCRETE
ARCH	ARCHITECT (URAL)
ASB	ASBESTOS
ASPH	ASPHALT
ATV	ATMOSPHERIC VENT
AUD	AUDITORIUM
AUTO	AUTOMATIC
AVE	AVERAGE
B	
B	BOILER, BRICK, BOTTOM
BB	BASKETBALL
BBD	BOILER BLOWDOWN
BC	BOTTOM OF CURB
BCU	BLOWER COIL UNIT
BCX	BOTTOM CHORD EXTENSION
BD	BOARD
BDD	BACKDRAFT DAMPER
BF	BACK FLOW PREVENTER
BG	BOTTOM GRILLE
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BY OTHERS
BOD	BOTTOM OF DUCT
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BPL	BEARING PLATE
BR	BOTTOM REGISTER
BRDG	BRIDGING
BRG	BEARING
BRK	BRICK
BRSH	BRICKSHELF
BRZ	BRONZE
BS	BOTH SIDES, BOTTOM OF STAIR
BSMT	BASEMENT
BSPL	BACKSPLASH
BT	BENT
BTU	BRITISH THERMAL UNITS
BTUH	BRITISH THERMAL UNITS PER HOUR
BUR	BUILT-UP ROOFING
BW	BOTTOM OF WALL
BWC	BACK WATER CHECK VALVE
C	
C	CONDUIT, CONVECTOR, CONDENSOR, COMMON, CARPET
CA	COMPRESSED AIR
CAB	CABINET
CATV	CABLE TELEVISION
CB	CATCH BASIN, CIRCUIT BREAKER, CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CD	CEILING DIFFUSER, CONDENSATE DRAIN
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FEET, CEILING FAN
CFM	CUBIC FEET PER MINUTE
CFMF	COLD FORMED METAL FRAMING
CFT	CERAMIC FLOOR TILE
CG	CEILING GRILLE
CHAN	CHANNEL
CHUV	CEILING HUNG UNIT VENTILATOR
CI	CAST IRON
CIP	CAST IN PLACE
CIRC	CIRCUMFERENCE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLKG	CAULKING
CLL	CONTRACT LIMIT LINE
CLR	CLEAR (ING) (ENCE)
CLRM	CLASSROOM
CMP	CORRUGATED METAL PANEL
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESS (ED) (ION) (IBLE), COMPOSITE
CONC	CONCRETE
COND	CONDENSATE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT (OR)
COORD	COORDINATE
CORR	CORRUGATED, CORRIDOR
COWP	CLEAN OUT WALL PLATE
CPVC	CHLORINATED POLY VINYL CHLORIDE
CR	CEILING REGISTER
CRS	COURSE (S)
CSK	COUNTERSINK
CSMT	CASEMENT
CT	COMPUTER TERMINAL, CERAMIC BASE TILE
CTD	COATED
CTOP	COUNTER TOP
CTR	CENTER
CU	CUBIC
CUH	CABINET UNIT HEATER
CV	CONVECTOR, CURB VALVE
CW	COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
CWT	CERAMIC WALL TILE
D	
D	DIESEL FUEL, DEPTH
DB	DRY BULB
DC	DIRECT CURRENT
DDC	DIRECT DIGITAL CONTROL
DE	DELONIZED WATER
DEG	DEGREES
DEMO	DEMOLISH
DEP	DEPRESS (ED) (ION)
DET	DETAIL (ED)
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DHU	DEHUMIDIFICATION UNIT
DI	DROP INLET, DUCTILE IRON, DISTILLED WATER
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DP	DAMPPROOF (ING)
DPR	DAMPER
DR	DOOR, DEEP RIB
DS	DOWNSPOUT, DRAINAGE STRUCTURE
DT	DRAIN TILE
DTA	DOVETAIL ANCHOR
DTL	DETAIL
DW	DUMBWAITER, DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER
E	
E	EAST
EA	EXHAUST AIR, EACH
EAT	ENTERING AIR TEMPERATURE
EB	EXPANSION BOLT
EC	ELECTRICAL CONTRACTOR
ECF	ENHANCED CONCRETE FLOORING
EF	EACH FACE, EXHAUST FAN
EIFS	EXTERIOR INSULATION SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC (AL)
ELEM	ELEMENT
ELEV	ELEVATION, ELEVATOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENC	ENCLOSURE
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EQ	EQUAL, EQUIVALENT
EQC	EQUIPMENT CONTRACTOR
EQUIP	EQUIPMENT
ES	EXPOSED SURFACE, EXPOSED STRUCTURE
ESF	ELASTIC SHEET FLASHING
ESM	ELASTIC SHEET MEMBRANE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXG	EXISTING
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR, EXTERNAL
F	
F	FAHRENHEIT
FA	FIRE ALARM
FAI	FRESH AIR INTAKE
FCU	FAN COOLING UNIT
FD	FLOOR DRAIN, FIRE DAMPER
FDC	FDCFIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR, FACTORY FINISH
FFE	FINISH FLOOR ELEVATION
FFL	FINISH FLOOR LINE
FG	FLOOR GRILLE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN	FINISH (ED)
FIXT	FIXTURE
FL	FLUSH
FLD	FLOOR DUCT
FLEX	FLEXIBLE
FLG	FLASHING
FLR	FLOOR (ING)
FLUOR	FLUORESCENT
FM	FLOOR MOUNTED
FMC	FLEXIBLE METAL CONDUIT
FND	FOUNDATION
FOB	FREIGHT ON BOARD, FLAT ON BOTTOM
FOG	FUEL OIL GAUGE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOT	FLAT ON TOP
FP	FIREPROOF (ING)
FPM	FEET PER MINUTE
FR	FRAME, FLOOR REGISTER
FRA	FRESH AIR
FRC	FIRE RESISTANT COATING
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RETARDANT
FS	FLOOR SINK
FSD	FIRE AND SMOKE DAMPER
FT	FEET, FLOOR TREATMENT
FTG	FOOTING
FTR	FIN TUBE RADIATION
FV	FLUSH VALVE
G	
G	GAS, GLYCOL
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GASK	GASKET (ED)
GC	GENERAL CONTRACT (OR)
GCMU	GLAZED CONCRETE MASONRY UNIT
GCO	GRADE CLEANOUT GF GROUND FACE
GL	GLASS, GLAZING
GND	GROUND
GPM	GALLONS PER MINUTE
GR	GRADE (ING), GLYCOL RETURN
GS	GLYCOL SUPPLY
GVL	GRAVEL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HEIGHT
HB	HOSE BIB
HBD	HARD BOARD
HC	HEATING CONTRACT (OR), HANDICAP
HCR	HOT/CHILLED RETURN
HCS	HOT/CHILLED SUPPLY
HD	HEAVY DUTY
HDPE	HIGH DENSITY POLYETHYLENE
HDR	HEADER
HDW	HARDWARE
HG	HOT GLYCOL
HIP	HIGH IMPACT PANEL
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HORSEPOWER, HIGH PRESSURE, HEAT PUMP
HPC	HIGH PERFORMANCE COATING
HPL	HIGH PRESSURE LAMINATE
HPR	HEAT PUMP LOOP WATER RETURN
HPS	HEAT PUMP LOOP WATER SUPPLY
HR	HANDRAIL, HOUR
HT	HEIGHT
HTG	HEATING
HV	HIGH VOLTAGE
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HVU	HEATING AND VENTILATING UNIT
HW	HOT WATER
HWH	HOT WATER HEATER
HWP	HOT WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
I	
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INCL	INCLUDE (D) (ING)
INS	INSULATE (D) (ION)
INT	INTERIOR
INV	INVERT
IP	IRON PIPE
IPS	IRON PIPE SIZE
IW	INDIRECT WASTE
J	
J	JANITORS CLOSET
JAN	JANITORS CLOSET
JB	JUNCTION BOX
JC	JANITORS CLOSET
JCT	JUNCTION
JT	JOINT
K	
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT PER HOUR
L	
L	LENGTH, LONG
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE (D)
LAT	LEAVING AIR TEMPERATURE
LAV	LAVATORY
LB	POUND
LBL	LABEL
LBP	LEAD BASED PAINT
LC	LANDSCAPE CONTRACTOR (SITE)
LCC	LEAD COATED COPPER
LDR	LEADER
LEV	LEVEL
LF	LINEAR FOOT
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LFNC	LIQUID-TIGHT FLEXIBLE NONMETALLIC CONDUIT
LG	LENGTH, LONG
LGI	LARGE GROUP INSTRUCTION
LH	LEFT HAND
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LP	LOW PRESSURE
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
LPT	LOW POINT
LS	LINOLEUM SHEET
LT	LIGHT, LINOLEUM TILE
LTL	LINTEL
LV	LABORATORY VENT, LOW VOLTAGE
LVR	LOUVER
LW	LABORATORY WASTE
LWT	LEAVING WATER TEMPERATURE
M	
MAN	MANUAL
MAS	MASONRY
MAT	MATERIAL
MAU	MAKE UP AIR UNIT
MAX	MAXIMUM
MB	MARKER BOARD
MBH	THOUSAND BTUH
MBR	MEMBER
MD	MOTORIZED DAMPER
ME	MECHANICAL EQUIPMENT
MECH	MECHANICAL (LY)
MED	MEDIUM
MEMB	MEMBRANE
MF	MIXING FAUCET
MFR	MANUFACTURE (R)
MH	MAN HOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULE (OR), MODEL
MP	MULTICOLOR WALL COATING
MR	MOP RECEPTOR
MT	MOUNT
MTD	MOUNTED
MTG	MOUNTING
MTH	MARBLE THRESHOLD
MTL	METAL
MTR	METER
MULL	MULLION
MVEJ	MASONRY VENEER EXPANSION JOINT
N	
N	NORTH
NAT	NATURAL
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEG	NEGATIVE
NEUT	NEUTRALIZATION
NIC	NOT IN CONTRACT
NO	NUMBER, NORMALLY OPEN
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O	
OA	OVERALL, OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
P	
P	PAINT SURFACE(S) INCLUDING SOFFITS
PAR	PARALLEL
PART	PARTITION
PC	PLUMBING CONTRACT (OR), PIGMENTED CONCRETE
PCC	PRECAST CONCRETE
PE	PORCELAIN ENAMEL
PENC	PRE-EXISTING NON-CONFORMING
PERF	PERFORATE (ION) (ED)
PERI	PERIMETER
PERP	PERPENDICULAR
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER, PLASTIC
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PM	PLUGMOLD
PNL	PANEL
POC	POINT OF CURVATURE, POINT OF CONNECTION
POL	POLISHED
POS	POSITIVE
POT	POINT OF TANGENCY
PR	PAIR
PRE	POWER ROOF EXHAUSTER
PREP	PREPARE (ATION)
PRF	PREFORMED
PROJ	PROJECT
PS	PAINT EXPOSED STRUCTURE/DECK
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT, PORCELAIN TILE
PTD	PAINTED
PTFR	PRESSURE TREATED FIRE RETARDANT
PTP	PRESSURE TREATED PRESERVATIVE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWE	POWER WALL EXHAUSTER
Q	
QF	QUARTZ FLOORING
QT	QUARRY TILE
R	
R	RADIUS, RETURN, REFRIGERANT
RA	RETURN AIR
RAD	RADIATION
RAF	RETURN AIR FAN, RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RC	ROOFING CONTRACT (OR)
RCA	RECYCLED CONCRETE AGGREGATE
RCP	REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN
RCU	REMOTE CONDENSING UNIT
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REF	REFERENCE
REFL	REFLECT (ED) (IVE) (OR)
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE (D) (ING)
REM	REMOVED
REQD	REQUIRED
RESIL	RESILIENT
RET	RETAINING, RETURN
REV	REVISION, REVISED, REVEAL
RF	RUBBER FLOORING
RFG	ROOFING
RFH	ROOF HATCH
RFM	RECESSED FLOOR MAT
RG	RETURN GRILLE
RGS	RIGID GALVANIZED STEEL
RH	RIGHT HAND
RHC	REHEAT COIL
RI	ROUGH-IN
RL	RAIN LEADER
RLG	RAIL(ING)
RM	ROOM
RMC	RIGID METAL CONDUIT
RNC	RIGID NONMETALLIC CONDUIT
RNT	RUNNING TRAP
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPM	REVOLUTIONS PER MINUTE
RR	REMOVE EXISTING AND REPLACE WITH NEW
RS	RUBBER STAIR TREAD/RISER
RTH	ROOF TOP HOOD
RTU	ROOF TOP UNIT
RW	RAW WATER
S	
S	SOUTH, SUPPLY, SURGE PROTECTED
SA	SUPPLY AIR
SAN	SANITARY
SAS	SMOOTH ALL SIDES
SC	SOLID CORE, SILL COCK, SEALED CONCRETE
SCHED	SCHEDULE
SCT	STRUCTURAL CLAY TILE
SD	STORM DRAIN, SPLITTER DAMPER, SMOKE DAMPER
SEC	SECTION
SF	SQUARE FEET
SGI	SMALL GROUP INSTRUCTION
SGT	STRUCTURAL GLAZED TILE
SH	SHELF, SHELVING, SMOKE HATCH
SHR	SHOWER, SHEAR WALL
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SK	SINK
SL	SOUND LINED, SKYLIGHT
SLC	SILLCOCK
SLV	SLEEVE
SLVR	STORM LOUVER
SMH	SANITARY MANHOLE
SOG	SLAB ON GRADE
SP	STATIC PRESSURE, STANDPIPE, SPACE (ING) (ES)
SPEC	SPECIFICATION (S)
SPKR	SPRINKLER
SPL	SPECIAL
SQ	SQUARE
SS	STAINLESS STEEL
SST	STRUCTURAL STEEL TUBING
ST	STORM, STORAGE
STA	STATION
STC	SHOWER TEMPERATURE CONTROLLER, STAINED CONCRETE
STD	STANDARD
STG	SEATING
STL	STEEL
STN	STAIN (ED)
STOR	STORAGE
STRU	STRUCTURAL
SURF	SURFACE
SUSP	SUSPSUSPENDED
SV	SHEET VINYL, STEAM VENT
SW	SWITCH, SOFTENED WATER
SWCI	SERVICE WEIGHT CAST IRON
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM
T	
T	TREAD, TOP, TOILET ROOM, TONS, TERRAZZO
TB	TOP AND BOTTOM, TACK BOARD, TERRAZZO BASE
TBD	TO BE DETERMINED
TC	TEMPERATURE CONTROL, TEMPERED CLEAR, TELECOMMUNICATION CONTRACTOR, TOP OF CURB
TCX	TOP CHORD EXTENTION
TDV	TRIPLE DUTY VALVE
TEL	TELEPHONE
TEMP	TEMPERATURE
TG	TOP GRILLE, TONGUE AND GROOVE
THK	THICKNESS
THR	THRESHOLD
TME	TO MATCH EXISTING
TMV	THERMOSTATIC MIXING VALVE
TOD	TOP OF DUCT
TOF	TOP OF FASCIA, TOP OF FOOTING
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PIPE, TOP OF PIER
TOS	TOP OF STEEL, TOP OF STAIR
TPART	TOILET PARTITION
TR	TOP REGISTER
TRN	TRANSOM
TS	TOP OF STAIR
TV	TELEVISION
TW	TEMPERED WATER, TOP OF WALL
TYP	TYPICAL
U	
UC	UNDERCUT
UD	UNDERDRAIN
UE	UNDERGROUND ELECTRIC
UG	UNDERGROUND
UH	UNIT HEATER
UNF	UNFINISHED
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UT	UNDERGROUND TELEPHONE
UV	UNIT VENTILATOR
V	
V	VENT, VOLT
VAR	VARIES, VARIABLE
VARN	VARNISH
VAT	VINYL ASBESTOS TILE
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER, VAPOR RETARDER BARRIER, VOLLEYBALL
VCB	VENTED COVE BASE
VCT	VINYL COMPOSITE TILE
VD	VOLUME DAMPER
VERM	VERMICULITE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VIT	VITREOUS TILE
VNR	VENEER
VOL	VOLUME
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	
W	WEST, WIDTH, WIDE, WASTE, WATT
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER CLOSET, WALL COVERING
WD	WOOD, WOOD FLOORING
WDW	WINDOW
WDWC	WINDOW CONTRACTOR
WF	WASH FOUNTAIN
WG	WALL GRILLE, WATER GAUGE
WH	WALL HUNG, WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WI	WROUGHT IRON
WM	WIREMOLD
WP	WATER PROOFING, WORKING POINT
WR	WATER REPELLENT, WIDE RIB, WALL REGISTER
WS	WATER STOP
WSCT	WAINSCOT
WT	WEIGHT
WWHP	WATER TO WATER HEAT PUMP
WWR	WELDED WIRE REINFORCEMENT
X	
XHCI	EXTRA HEAVY CAST IRON
Y	
YD	YARD DRAIN, YARD

S.E.D. Control No. 05-04-01-04-0-001-039
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-5-002-010

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School
Junior Senior High School
Bus Garage

Symbols and Abbreviations

Drawn By:	Date:	Drawing Number:
TTAE	10/20/2023	G100
Project No.: 374886-23001.1		

LEGEND

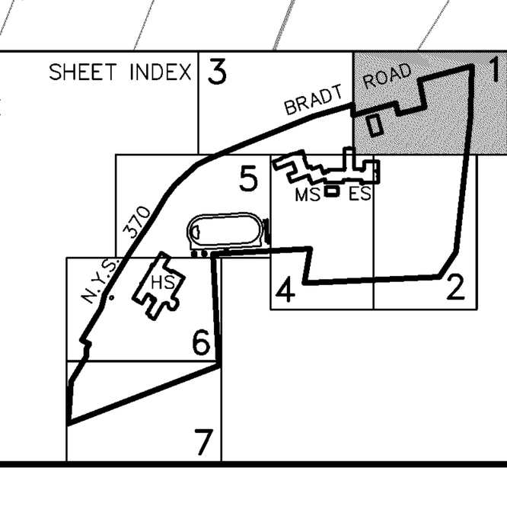
Symbol	Description
L.A.	LANDSCAPED AREA
P	POST
	SIGN
IPF	IRON PIPE FOUND
CIRF	CAPPED IRON ROD FOUND
	CONC. MONUMENT
IRF	IRON ROD FOUND
CB	CATCH BASIN
DMH	DRAIN MANHOLE
SMH	SANITARY MANHOLE
CO	CLEANOUT
GV	GAS VALVE
B*	SOIL BORING
MB	MAIL BOX
TMH	TELEPHONE MANHOLE
TP	COMMS. PEDESTAL
TSP	TRAFFIC SIGNAL POLE
TSB	TRAFFIC SIGNAL BOX
EMH	ELECTRIC MANHOLE
	UTILITY POLE
LP	LIGHT POLE
ICV	IRRIGATION CONTROL VALVE
HYD	HYDRANT
WV	WATER VALVE
WMH	WATER MANHOLE
OHW	OVERHEAD WIRES
	UNDERGROUND FIBER OPTIC
FO	UNDERGROUND FIBER OPTIC
T	UNDERGROUND COMMS
G	UNDERGROUND GAS
W	UNDERGROUND WATER
E	UNDERGROUND ELECTRIC
- - -	OVERHEAD ROOF

MAP NOTES:

1) NORTH ORIENTATION IS PER N.Y.S. PLANE COORDINATES (NAD83 NY CENTRAL).
2) VERTICAL DATUM IS PER NAVD88.
3) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, COVENANTS OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.
4) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, AND FROM PAROLE TESTIMONY MADE BY SCHOOL DISTRICT AND UTILITY COMPANY PERSONNEL. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED. SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.
5) FLOOD DATA OBTAINED FROM FIRM COMMUNITY PANEL 36011C0117OEE WITH AN EFFECTIVE DATE OF 8/2/2007. A PORTION OF THE PROPERTY (MUSCRAT CREEK) FALLS IN ZONE A (SPECIAL FLOOD ZONE SUBJECT TO INUNDATION BY 100 YEAR FLOOD). REMAINDER OF PROPERTY FALLS IN ZONE X (AREA OUTSIDE OF 500 YEAR FLOOD).

BAR SCALE: 30 0 15 30 60
1 inch = 30 ft.

SHEET INDEX



MAP REFERENCES:
1) TRACK LAYOUT PLAN, CATO–MERIDIAN C.S.D.; SHEET SP–7 BY MAXIAN & HORST LANDSCSAPE ARCHITECTS AND DATED 12/08/2003.
2) HIGH SCHOOL LAYOUT PLAN, CATO–MERIDIAN C.S.D.; SHEET SP–6 BY MAXIAN & HORST LANDSCSAPE ARCHITECTS AND DATED 12/08/2003.
3) ELECTRICAL NEW SITE LIGHTING AT THE MIDDLE/ELEMENTARY SCHOOL; CATO–MERIDIAN C.S.D.; BY TEITSCH–KENT–FAY ARCHITECTS, P.C. AND DATED 12/14/2007.

BOUNDARY & TOPOGRAPHIC SURVEY

CATO–MERIDIAN CENTRAL SCHOOL

CATO–MERIDIAN CENTRAL SCHOOL DISTRICT
TOWN OF IRA, CAYUGA COUNTY, STATE OF NEW YORK
PREPARED FOR TETRA TECH ARCHITECTS & ENGINEERS

AV001

Parcel: 46.–1–39.11
Project No. – 22.05
Scale – 1"=30 feet
Sheet 1 of 7
Survey Date – 11/6/22
Map Date – 12/2/22
Checked By – RTB
Revisions –

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ROBERT T. BOLTON
L.S.#49880

DWG. NAME=CATO MERIDIAN CSD

S83°48'50"E
1017.50'

S62°07'48"E
2126.10'

MUSCRAT CREEK MARSH

LANDS N/F
CHEBINIAK LIVING TRUST
BOOK 1375 PAGE 71
PARCEL 46.-1-38

OBSERVATION PLATFORM

FITNESS STATION

BIT. DRIVE

CONC. WALK

SEPTIC TANKS

12" WAVE

24" WSSF

24" WSSF

LEGEND

L.A.	LANDSCAPED AREA	SB/MB	SOIL BORING / MAIL BOX
P	POST	TMH	TELEPHONE MANHOLE
	SIGN	TP	COMMS. PEDESTAL
IPF	IRON PIPE FOUND	TSP	TRAFFIC SIGNAL POLE
CIRF	CAPPED IRON ROD FOUND	TSB	TRAFFIC SIGNAL BOX
	CONC. MONUMENT	EMH	ELECTRIC MANHOLE
IRF	IRON ROD FOUND	UP	UTILITY POLE
CB	CATCH BASIN	LP	LIGHT POLE
DMH	DRAIN MANHOLE	ICV	IRRIGATION CONTROL VALVE
SMH	SANITARY MANHOLE	HYD	HYDRANT
CO	CLEANOUT	WV	WATER VALVE
GV	GAS VALVE	WMH	WATER MANHOLE

OHW — OVERHEAD WIRES
FO — UNDERGROUND FIBER OPTIC
T — UNDERGROUND COMMS
G — UNDERGROUND GAS
W — UNDERGROUND WATER
E — UNDERGROUND ELECTRIC
OVERHEAD ROOF

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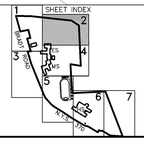
BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

SHEET INDEX



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BOUNDARY & TOPOGRAPHIC SURVEY
CATO-MERIDIAN CENTRAL SCHOOL
CATO-MERIDIAN CENTRAL SCHOOL DISTRICT
TOWN OF IRA, CAYUGA COUNTY, STATE OF NEW YORK
PREPARED FOR TETRA TECH ARCHITECTS & ENGINEERS

AV002

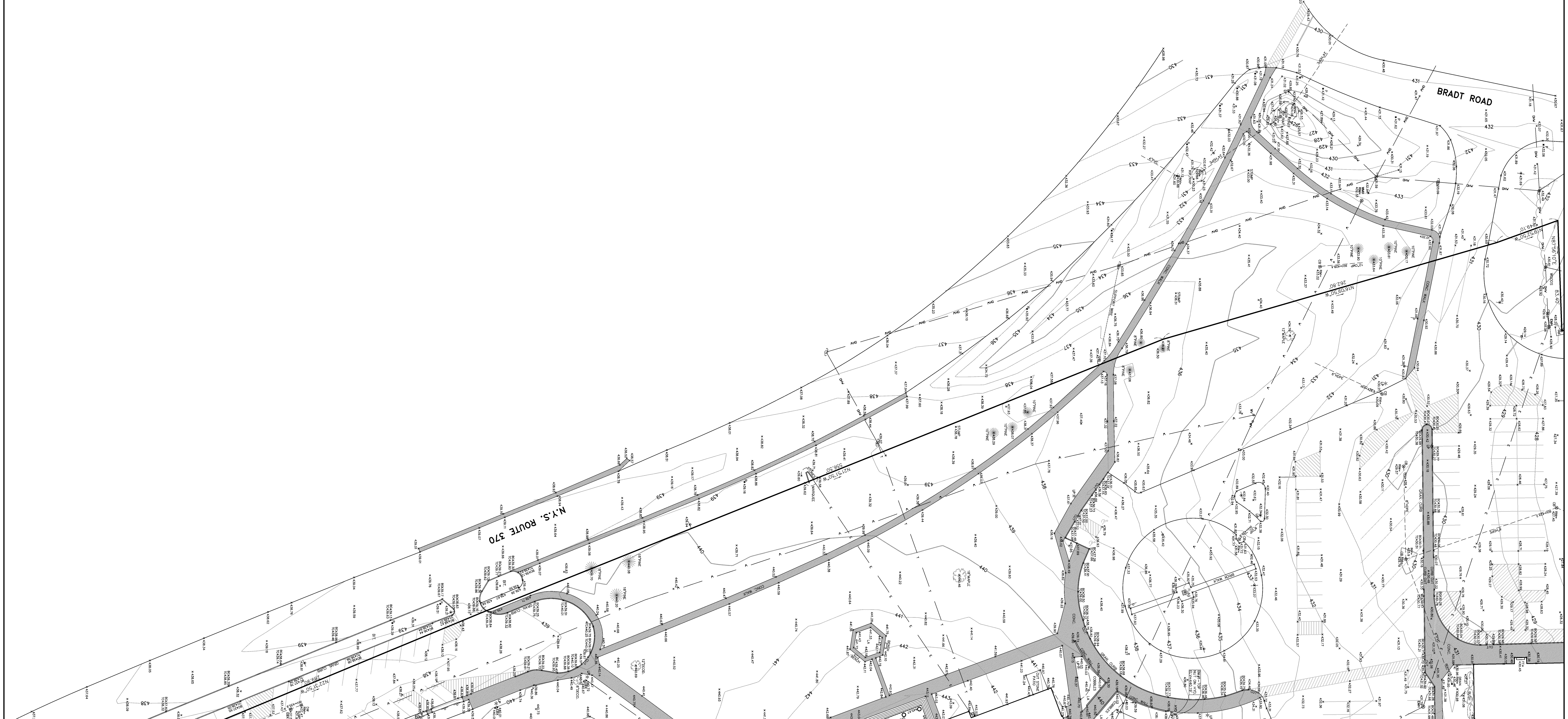
Parcel: 46.-1-39.11
Project No. – 22.05
Scale – 1"=30 feet
Sheet 2 of 7
Survey Date – 11/6/22
Map Date – 12/2/22
Checked By – RTB
Revisions –

Survey Prepared By:
BOLTON
LAND SURVEYING, P.C.
P.O. Box 265 – Pulaski, NY 13142
TEL(315)298-5210 FAX: 298-6787

"Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of section 7209, sub-division 2, of the New York State Education Law."
"Certifications indicated hereon signify that this survey was prepared in accordance with the code of practice for land surveys adopted by the New York State Association of Professional Land Surveyors. Said certifications shall not only to the person for whom the survey is prepared, and on their behalf to the title company, governmental agency and lending institution listed hereon, and to their successors and assigns of the lending institution."
"Certifications not transferrable to additional institutions or subsequent owners."
"The location of underground improvements or encroachments, if any exist or are shown hereon, may be approximate."
"This survey option is not valid, and the surveyor assumes no liability if it is used in connection with a "Survey Affidavit" or similar document, statement or instrument to obtain title insurance."

ROBERT T. BOLTON
L.S.#49880

DWG. NAME=CATO MERIDIAN CSD



LEGEND

L.A.	LANDSCAPED AREA	B*	SOIL BORING
P	POST	MB	MAIL BOX
	SIGN	TMH	TELEPHONE MANHOLE
IPF	IRON PIPE FOUND	TP	COMMS. PEDESTAL
CIRF	CAPPED IRON ROD FOUND	TSP	TRAFFIC SIGNAL POLE
	CONC. MONUMENT	TSB	TRAFFIC SIGNAL BOX
IRF	IRON ROD FOUND	EMH	ELECTRIC MANHOLE
CB	CATCH BASIN		UTILITY POLE
DMH	DRAIN MANHOLE	LP	LIGHT POLE
SMH	SANITARY MANHOLE	ICV	IRRIGATION CONTROL VALVE
CO	CLEANOUT	HYD	HYDRANT
GV	GAS VALVE	WV	WATER VALVE
		WMH	WATER MANHOLE

OHW	OVERHEAD WIRES
	UNDERGROUND FIBER OPTIC
FO	UNDERGROUND FIBER OPTIC
T	UNDERGROUND COMMS
G	UNDERGROUND GAS
W	UNDERGROUND WATER
E	UNDERGROUND ELECTRIC
	OVERHEAD ROOF

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BAR SCALE

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1 inch = 30 ft.

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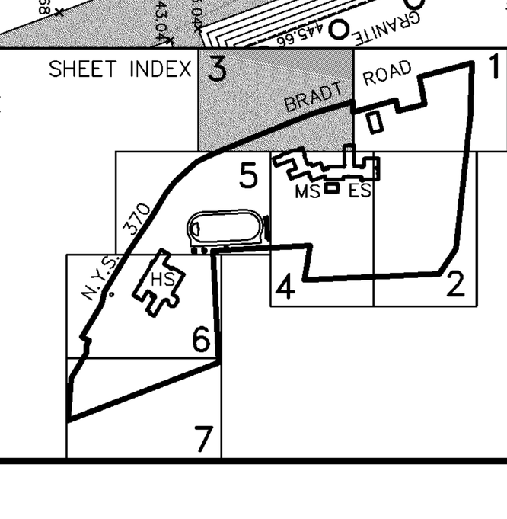

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BOUNDARY & TOPOGRAPHIC SURVEY

CATO-MERIDIAN CENTRAL SCHOOL

CATO-MERIDIAN CENTRAL SCHOOL DISTRICT
TOWN OF IRA, CAYUGA COUNTY, STATE OF NEW YORK
PREPARED FOR TETRA TECH ARCHITECTS & ENGINEERS

AV003

Parcel: 46.-1-39.11
Project No. - 22.05
Scale - 1"=30 feet
Sheet 3 of 7
Survey Date - 11/6/22
Map Date - 12/2/22
Checked By - RTB
Revisions -

Survey Prepared By:
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TEL(315)298-5210 FAX:298-6787

ROBERT T. BOLTON

L.S.#49880

DWG. NAME=CATO MERIDIAN CSD

LEGEND

L.A.	LANDSCAPED AREA
P	POST
	SIGN
IPF	IRON PIPE FOUND
CIRF	CAPPED IRON ROD FOUND
	CONC. MONUMENT
IRF	IRON ROD FOUND
CB	CATCH BASIN
DMH	DRAIN MANHOLE
SMH	SANITARY MANHOLE
CO	CLEANOUT
GV	GAS VALVE
B*	SOIL BORING
MB	MAIL BOX
TMH	TELEPHONE MANHOLE
TP	COMMS. PEDESTAL
TSP	TRAFFIC SIGNAL POLE
TSB	TRAFFIC SIGNAL BOX
EMH	ELECTRIC MANHOLE
	UTILITY POLE
LP	LIGHT POLE
ICV	IRRIGATION CONTROL VALVE
HYD	HYDRANT
WV	WATER VALVE
WMH	WATER MANHOLE
OHW	OVERHEAD WIRES
FO	UNDERGROUND FIBER OPTIC
FO	UNDERGROUND FIBER OPTIC
T	UNDERGROUND COMMS
G	UNDERGROUND GAS
W	UNDERGROUND WATER
E	UNDERGROUND ELECTRIC
------	OVERHEAD ROOF

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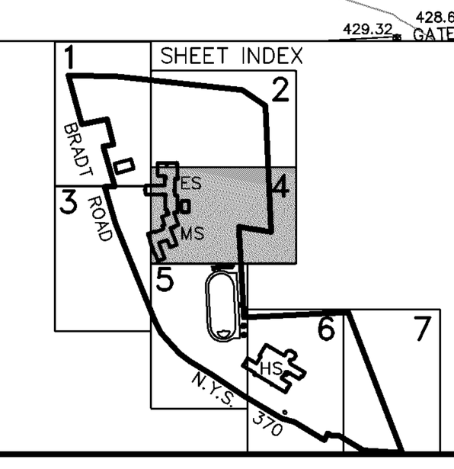

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AV004

Parcel: 46.-1-39.11
Project No. - 22.05
Scale - 1"=30 feet
Sheet 4 of 7
Survey Date - 11/6/22
Map Date - 12/2/22
Checked By - RTB
Revisions -

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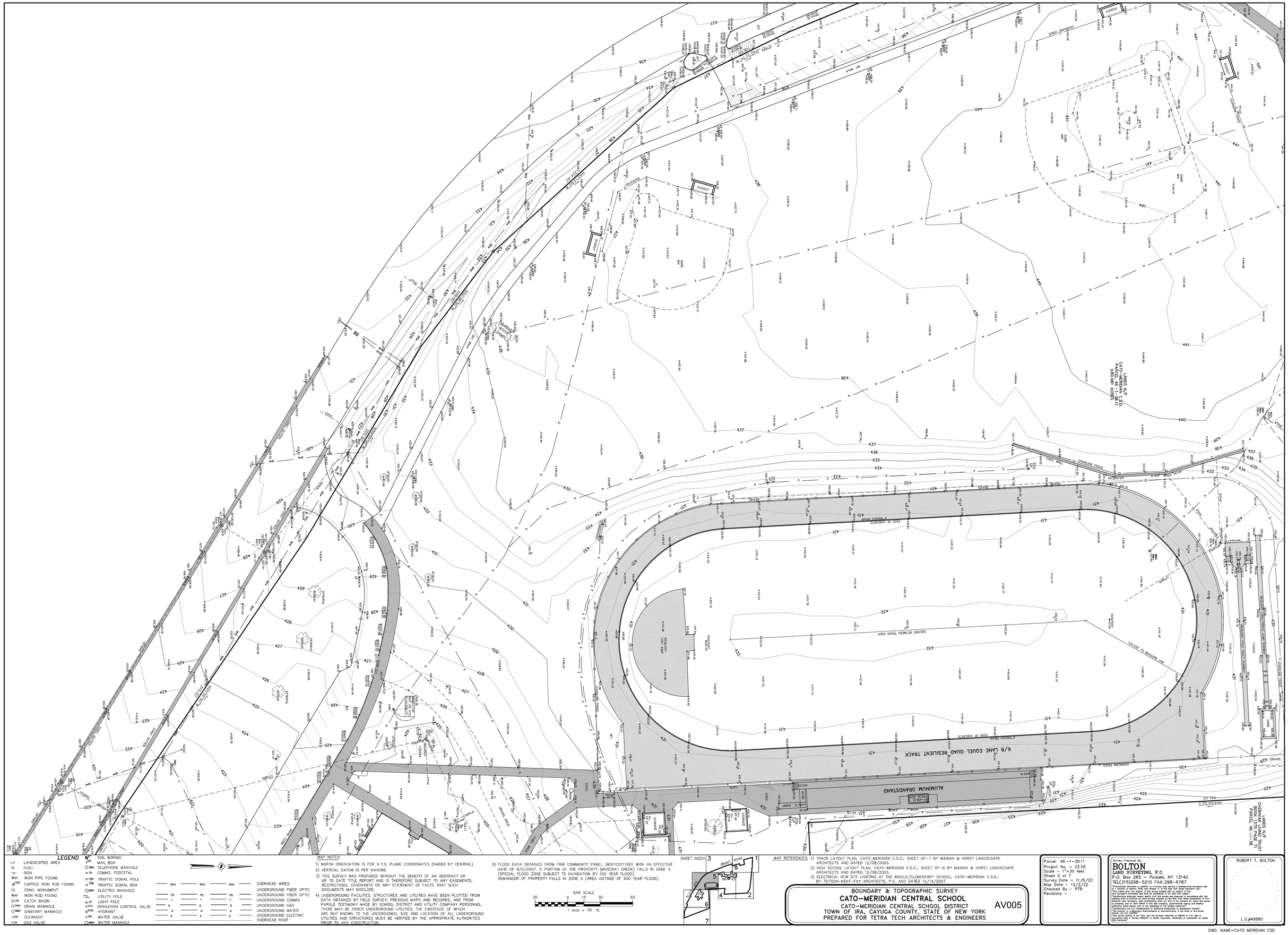

LEGEND

L.A.	LANDSCAPED AREA	MB	MAIL BOX
○P	POST	TMH	TELEPHONE MANHOLE
⊸	SIGN	TP	COMMS. PEDESTAL
⊕IRP	IRON PIPE FOUND	TSP	TRAFFIC SIGNAL POLE
⊕CIRF	CAPPED IRON ROD FOUND	TSB	TRAFFIC SIGNAL BOX
⊟	CONC. MONUMENT	EMH	ELECTRIC MANHOLE
⊕IRF	IRON ROD FOUND	UP	UTILITY POLE
CB	CATCH BASIN	LP	LIGHT POLE
DMH	DRAIN MANHOLE	ICV	IRRIGATION CONTROL VALVE
SMH	SANITARY MANHOLE	H/D	HYDRANT
CO	CLEANOUT	WV	WATER VALVE
GV	GAS VALVE	WMH	WATER MANHOLE
SB	SOIL BORING		

OHW	OVERHEAD WIRES
FO	UNDERGROUND FIBER OPTIC
T	UNDERGROUND COMMS
G	UNDERGROUND GAS
W	UNDERGROUND WATER
E	UNDERGROUND ELECTRIC
OHR	OVERHEAD ROOF

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TOWN OF IRA, CAYUGA COUNTY, STATE OF NEW YORK
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AV005

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LEGEND

L.A.	LANDSCAPED AREA
P	POST
	SIGN
IPF	IRON PIPE FOUND
CIRF	CAPPED IRON ROD FOUND
	CONC. MONUMENT
IRF	IRON ROD FOUND
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AV006

Parcel: 46.–1–39.11
Project No. – 22.05
Scale – 1"=30 feet
Sheet 6 of 7
Survey Date – 11/6/22
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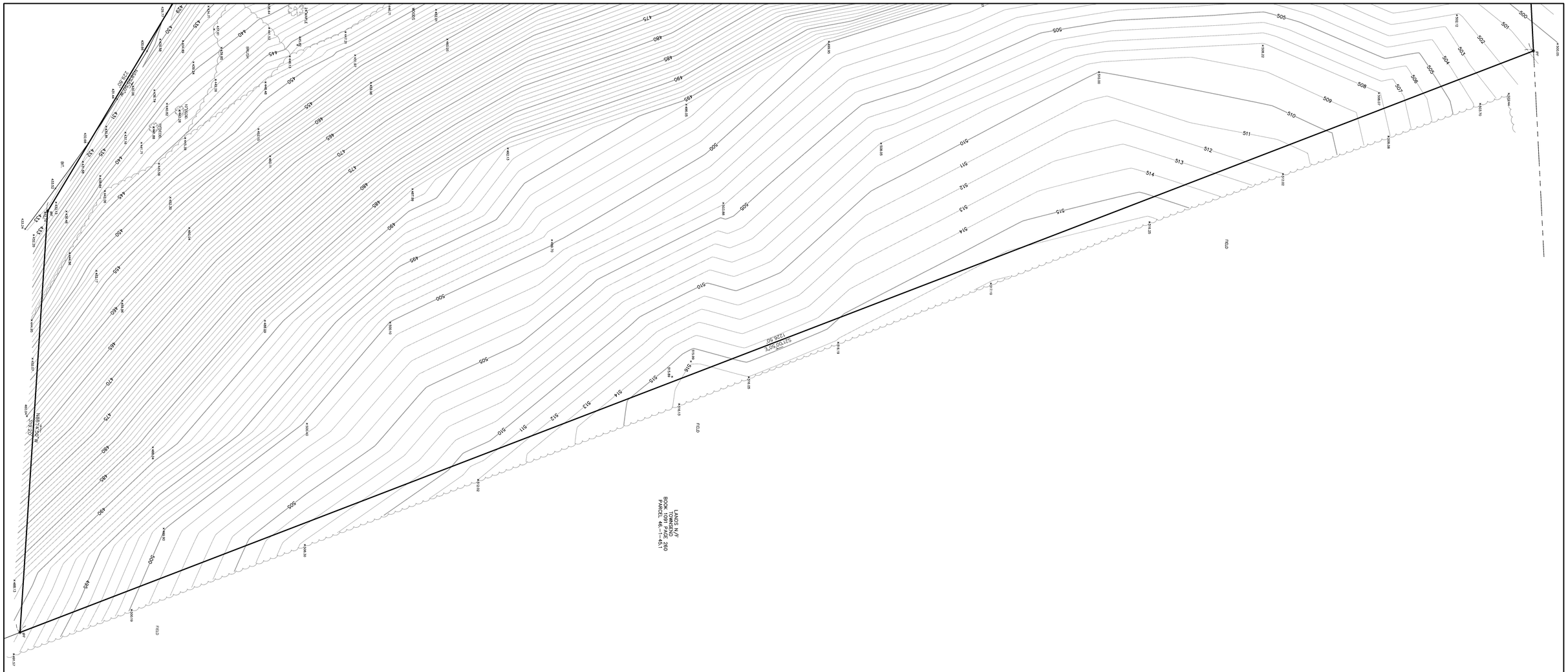

LEGEND

L.A.	LANDSCAPED AREA	SB	SOIL BORING
	POST	MB	MAIL BOX
	SIGN	TMH	TELEPHONE MANHOLE
IPF	IRON PIPE FOUND		COMMS. PEDESTAL
CIRF	CAPPED IRON ROD FOUND	TSP	TRAFFIC SIGNAL POLE
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AV007

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Sheet 7 of 7
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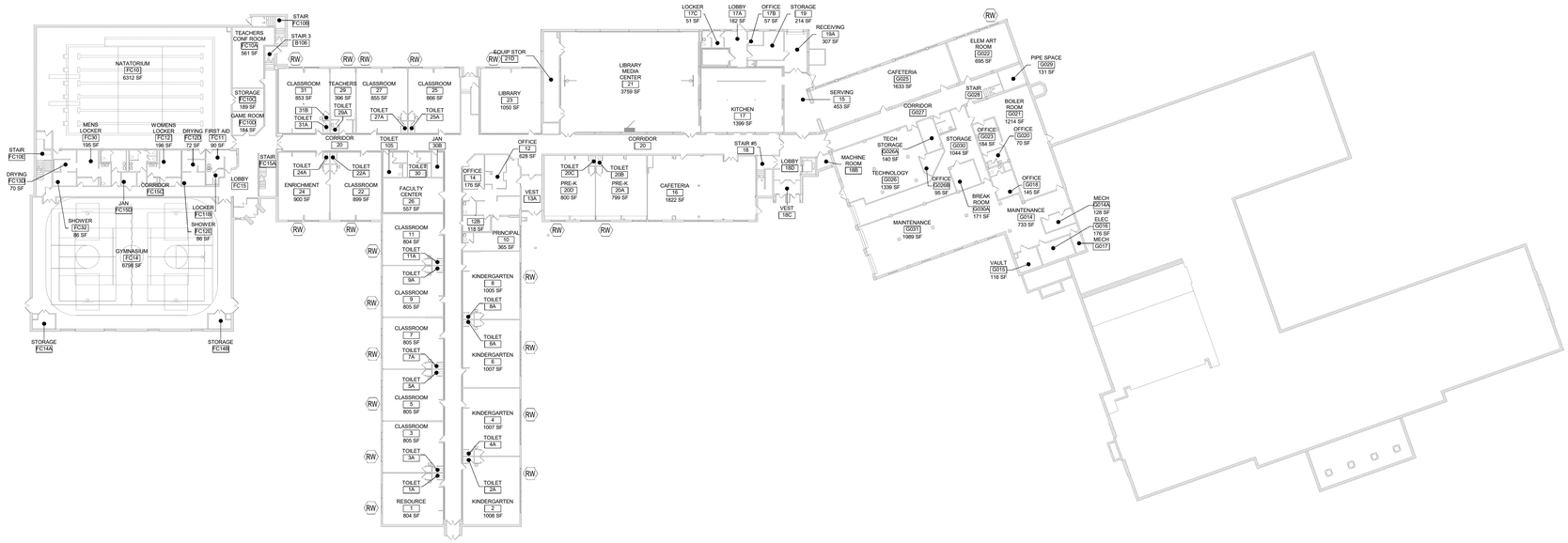
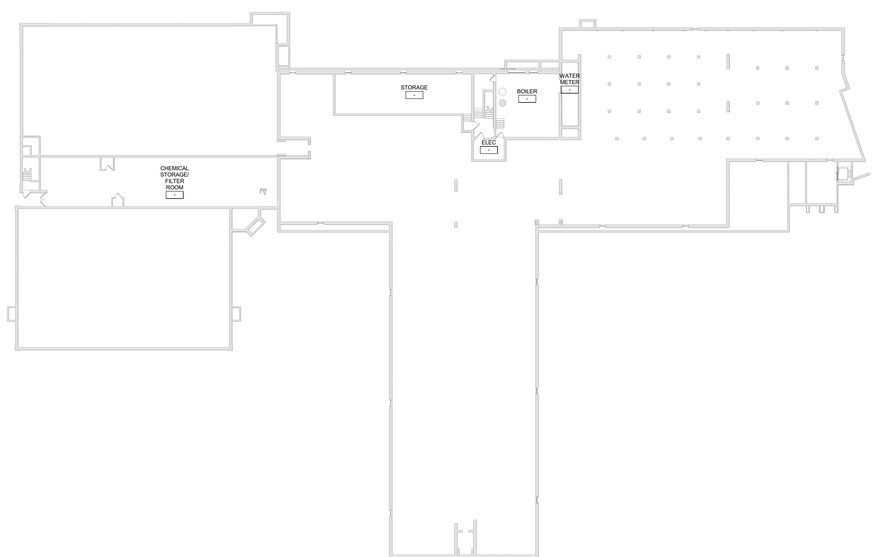


2 First Floor - Code Compliance
1" = 30'-0"



1 Basement Floor - Code Compliance
1" = 30'-0"

Code Compliance Review

PROJECT LOCATION:
2851 STATE ROUTE 370, CATO, NEW YORK 13033
SITUATED AT THE JUNCTION OF STATE ROUTE 370 (MAIN STREET) AND ROUTE 38B

PROJECT DESCRIPTION:
THE PROJECT WORK IS DEFINED BY THE CONTRACT DOCUMENTS AND CONSISTS OF REPLACEMENT OF THE BUILDING'S EXISTING SEPTIC SYSTEM AND ASSOCIATED COMPONENTS IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND ENVIRONMENTAL PROTECTION AGENCY SANITARY REGULATIONS. THE PROJECT INCLUDES REMOVAL OF THE EXISTING SYSTEM AND UNSUITABLE SOILS, AND REPLACEMENT WITH: NEW SEPTIC TANK(S), LIFT STATION, PUMP(S) AND CONTROLS, FORCE MAINS/SANITARY LINES, DISTRIBUTION BOX(ES), DRAIN FIELD SYSTEM, MANHOLES; ASSOCIATED CONCRETE, ASPHALT, SITE GRADING, RESTORATION, AND CUT-FILL OPERATIONS; AND ELECTRICAL WORK.

APPLICABLE CODES AND STANDARDS:

BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES AND 2020 BUILDING CODES of NYS, AND ICC A117.1-2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES.

BUILDING DATA:

BUILDING: CATO-MERIDIAN ELEMENTARY SCHOOL
2851 STATE ROUTE 370
CATO, NY 13033

DESCRIPTION: TWO/THREE STORY MASONRY AND STEEL BUILDING WITH BASEMENT, CRAWLSPACE AND ATTIC

YEAR BUILT: 1938 (CARL C. ADE ARCHITECTS AND ENGINEERS)
1957 (CARL C. ADE AND ASSOCIATES ARCHITECTS AND ENGINEERS)
1996 (TEITSCH-KENT ARCHITECTS)

BUILDING AREA:

BASEMENT	4,700 SQFT
1ST FLOOR	68,213 SQFT
2ND FLOOR	78,870 SQFT
3RD FLOOR	32,321 SQFT
TOTAL GROSS AREA=	184,104 SQFT

CODE DATA SUMMARY:

USE GROUP: E : EDUCATION

CONSTRUCTION TYPE -

EXISTING: IIB

FIRE SAFETY:

NO SPRINKLER SYSTEM IS PROVIDED

WORK AREA: PROJECT INVOLVES SITEWORK AND NO BUILDING WORK.

LOCATION	AREA	% OF TOTAL
BASEMENT	0 SQFT	0%
1ST FLOOR	0 SQFT	0%
2ND FLOOR	0 SQFT	0%
3RD FLOOR	0 SQFT	0%

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

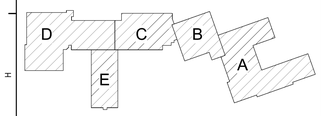
D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT AND OWNER.

Legend

RW RESCUE WINDOW



S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

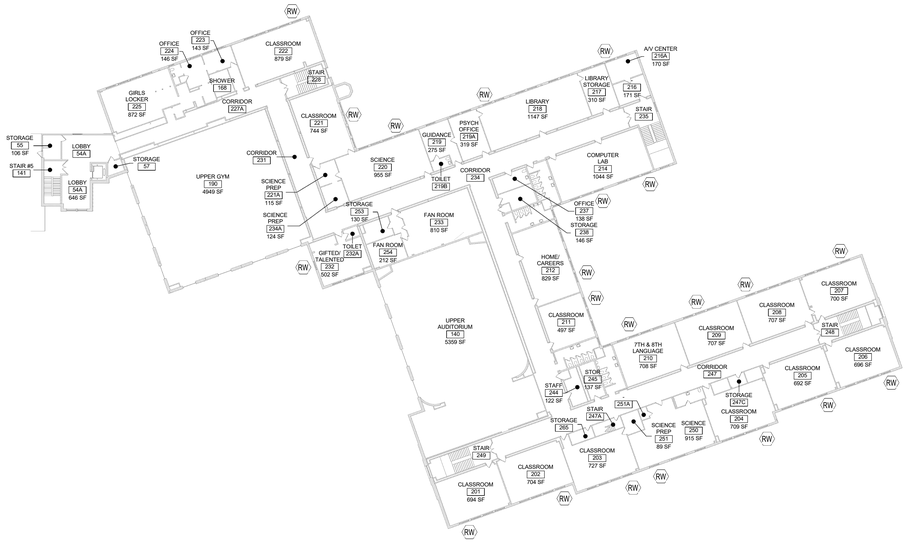
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School

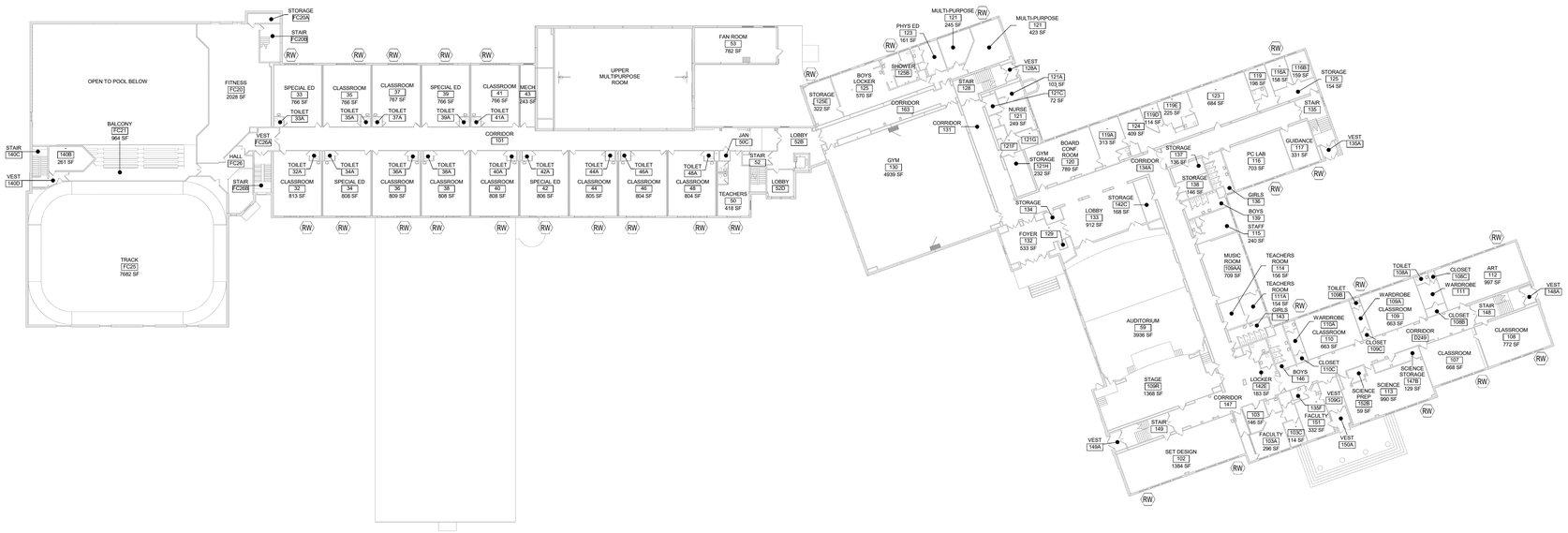
Code Compliance Review Basement and First Floor Plans

Drawn By:	Date:	Drawing Number:
ZV	10/20/2023	AG350

Project No.: 374886-23001.1



2 Third Floor - Code Compliance
1" = 30'-0"



1 Second Floor - Code Compliance
1" = 30'-0"

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

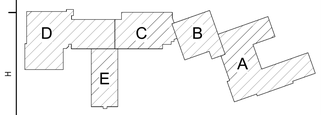
D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT AND OWNER.

Legend

RW RESCUE WINDOW



S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

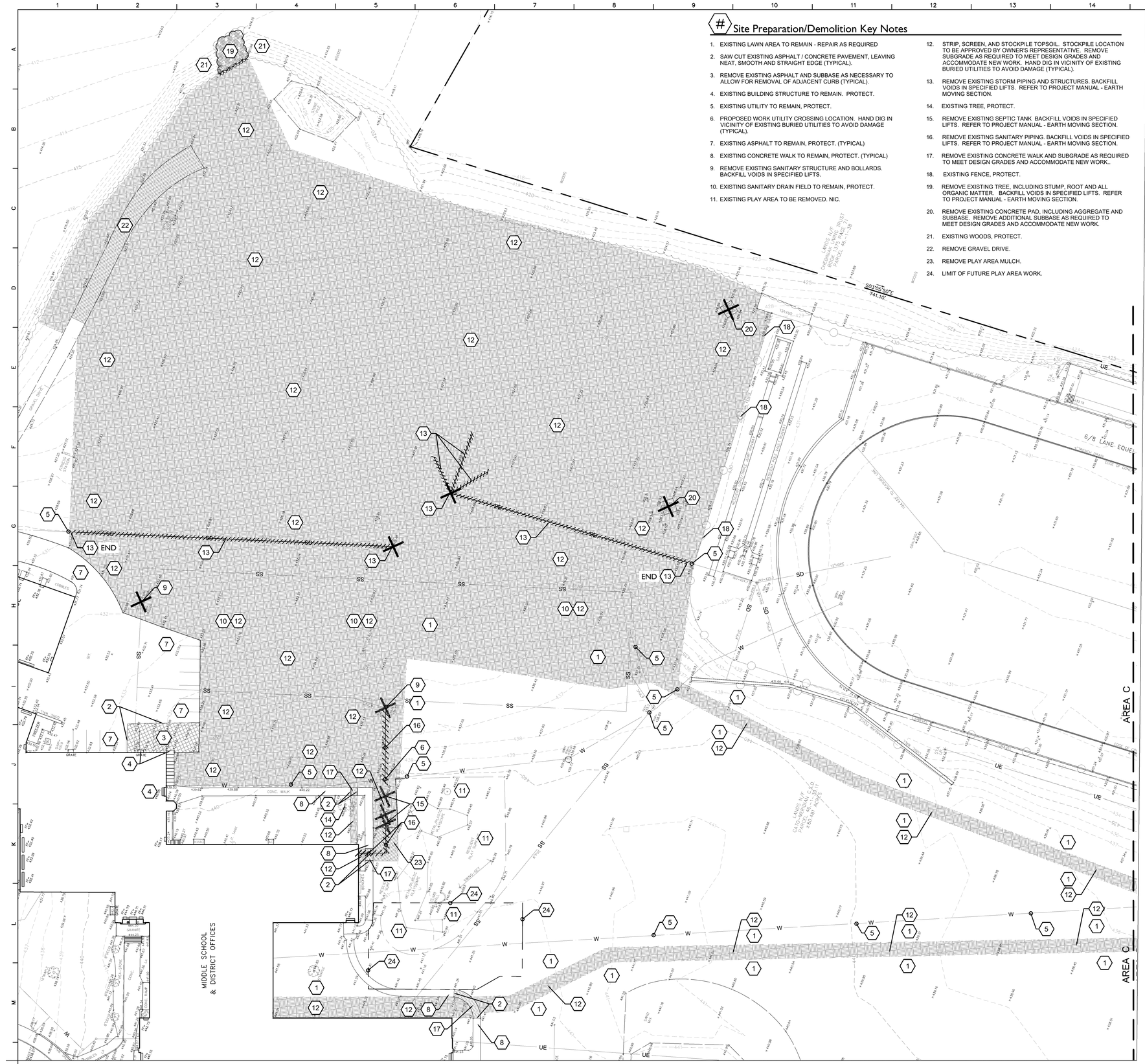
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School

Code Compliance Review Second and Third Floor Plans

Drawn By:	Date:	Drawing Number:
ZV	10/20/2023	AG351

Project No.: 374886-23001.1



Site Preparation/Demolition Key Notes

1. EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED
2. SAW CUT EXISTING ASPHALT / CONCRETE PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE (TYPICAL).
3. REMOVE EXISTING ASPHALT AND SUBBASE AS NECESSARY TO ALLOW FOR REMOVAL OF ADJACENT CURB (TYPICAL).
4. EXISTING BUILDING STRUCTURE TO REMAIN. PROTECT.
5. EXISTING UTILITY TO REMAIN, PROTECT.
6. PROPOSED WORK UTILITY CROSSING LOCATION. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE (TYPICAL).
7. EXISTING ASPHALT TO REMAIN, PROTECT. (TYPICAL)
8. EXISTING CONCRETE WALK TO REMAIN, PROTECT. (TYPICAL)
9. REMOVE EXISTING SANITARY STRUCTURE AND BOLLARDS. BACKFILL VOIDS IN SPECIFIED LIFTS.
10. EXISTING SANITARY DRAIN FIELD TO REMAIN, PROTECT.
11. EXISTING PLAY AREA TO BE REMOVED. NIC.
12. STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE (TYPICAL).
13. REMOVE EXISTING STORM PIPING AND STRUCTURES. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
14. EXISTING TREE, PROTECT.
15. REMOVE EXISTING SEPTIC TANK. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
16. REMOVE EXISTING SANITARY PIPING. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
17. REMOVE EXISTING CONCRETE WALK AND SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK..
18. EXISTING FENCE, PROTECT.
19. REMOVE EXISTING TREE, INCLUDING STUMP, ROOT AND ALL ORGANIC MATTER. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
20. REMOVE EXISTING CONCRETE PAD, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
21. EXISTING WOODS, PROTECT.
22. REMOVE GRAVEL DRIVE.
23. REMOVE PLAY AREA MULCH.
24. LIMIT OF FUTURE PLAY AREA WORK.

Site Preparation/Demolition General Notes

1. THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO C-SERIES DRAWINGS.
2. THE INTENT OF THIS DRAWING IS TO INDICATE PREPARATORY WORK, REMOVALS AND DEMOLITION NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE REST OF THE CONTRACT DRAWINGS. SOME NOTES ARE GENERAL IN NATURE AND IT SHALL BE UNDERSTOOD THAT IT IS NOT FEASIBLE TO INDICATE EACH AND EVERY SPECIFIC REMOVAL. SITE PREPARATION / DEMOLITION DRAWINGS SHALL NOT BE USED ALONE, BUT SHALL BE USED IN CONJUNCTION WITH THE OTHER DRAWINGS FOR WORK TO BE REMOVED, REUSED, AND / OR REVISED NOT INDICATED HERE.
3. MAINTAIN UTILITY SERVICES TO BUILDINGS. IF UTILITY SERVICES MUST BE INTERRUPTED COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO BUILDINGS. SEE PROJECT MANUAL REGARDING COORDINATION OF DEMOLITION WORK WITH UTILITY COMPANIES.
4. MAINTAIN SAFE SITE ACCESS TO PEDESTRIAN, VEHICULAR TRAFFIC, EMERGENCY AND HEALTH SAFETY AGENCIES. IF ACCESS WILL BE COMPROMISED COORDINATE AT LEAST ONE WEEK IN ADVANCE WITH THE OWNER'S REPRESENTATIVE AND HEALTH SAFETY AGENCIES, UNLESS OTHERWISE NOTED IN THE PROJECT MANUAL.
5. UTILITIES, SIDEWALKS, PAVEMENT, SLABS, FOUNDATIONS, AND MISCELLANEOUS FEATURES NOTED TO BE DEMOLISHED SHALL BE SPOILED OFF-SITE IN A LEGAL MANNER UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. NO BURNING OF DEBRIS SHALL BE ALLOWED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIAL AS SPECIFIED.
6. WHEN A SITE FEATURE IS INDICATED TO BE REMOVED, THE SITE FEATURE, INCLUDING APPURTENANCES AND FOOTINGS, DISPOSE LEGALLY OFF SITE, UNLESS OTHERWISE INDICATED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIALS AS SPECIFIED.
7. WHEN A SITE FEATURE IS INDICATED TO REMAIN, PROTECT AS INDICATED AND / OR SPECIFIED. WHEN DISTURBANCE OCCURS AROUND AN EXISTING FEATURE, USE ADDITIONAL PRECAUTIONS INCLUDING, BUT NOT LIMITED TO HAND DIGGING TO PROTECT THE FEATURE.
8. EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. PROTECT MANHOLES, CATCH BASINS, CLEAN OUTS, VALVE BOXES, FRAMES, COVERS AND GRATES REMAINING IN USE PROTECT AND ADJUST TO FINAL GRADES. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
10. VERIFY GRADES AND UTILITIES SHOWN ON EXISTING CONDITIONS PLAN PRIOR TO START OF WORK. DISCREPANCIES ARE TO BE DOCUMENTED AND SUBMITTED TO THE OWNER'S REPRESENTATIVE AT THE TIME OF DISCOVERY.
11. RELOCATE UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS INDICATED ON DESIGN DOCUMENTS.
12. IF EXISTING SITE FEATURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, SITE FEATURES REPAIR OR REPLACE IN-KIND, TYPICAL.
13. REMOVE OR RELOCATE, WHEN APPLICABLE, ALL CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPES, POWER POLES, AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION AS SHOWN.
14. NOTIFY OWNERS REPRESENTATIVE IF UNIDENTIFIED UTILITIES ARE ENCOUNTERED INCLUDING, BUT NOT LIMITED TO, STORM SEWER, SANITARY SEWER, TELECOMMUNICATIONS SERVICE, ELECTRICAL SERVICE, GAS SERVICE, WATER SERVICE, IRRIGATION LINES. UTILITIES LINES TO REMAIN UNDISTURBED UNTIL DIRECTED BY OWNERS REPRESENTATIVE.
15. CONTACT UFPO PRIOR TO START OF ANY WORK. "DIG SAFELY NEW YORK - CALL 811 - BEFORE YOU DIG".

Site Phasing Notes

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES BEFORE SOIL DISTURBANCE AND INSTALLATION OF OTHER TEMPORARY CONSTRUCTION FEATURES.
2. KEEP ACCESS ROADS AND CONSTRUCTION ENTRANCES CLEAR AT ALL TIMES.
3. REFER TO PROJECT MANUAL FOR PHASING INFORMATION FOR INSTALLATION OF PAVING, SIDEWALKS, CURBING AND STORM UTILITIES.
4. CONTRACTOR PARKING IS RESTRICTED TO STAGING OR DESIGNATED TEMPORARY PARKING AREAS.
5. AT STAGING AND OTHER TEMPORARY AREAS TO BE RESTORED TO LAWN: THOROUGHLY REMOVE GRAVEL, STONES, DEBRIS, VEGETATION, ETC. FROM EXISTING TOPSOIL AND SCARIFY TO A MINIMUM DEPTH OF 6". AMEND TOPSOIL WITH COMPOST AND NUTRITIONAL AMENDMENTS AND FINE GRADE, FERTILIZE AND SEED OR SOD.
6. AT STAGING AND OTHER TEMPORARY AREAS ON EXISTING PAVING: REMOVE AND REPLACE EXISTING PAVING IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
7. REMOVE PAVING THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES AND REPLACE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
8. REMOVE LAWN THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES AND SCARIFY THE AREA. PROVIDE NEW TOPSOIL AS REQUIRED TO BRING THE AREA TO MATCH SURROUNDING GRADE. FERTILIZE AND SEED OR SOD.

General Site Notes

1. THESE GENERAL SITE NOTES APPLY TO AC-SERIES DRAWINGS.
2. REFER TO SURVEY FOR INFORMATION ON EXISTING FEATURES. IF EXISTING FEATURES ARE MISSING, MODIFIED, OBSCURED, OR THERE IS A CONFLICT BETWEEN HOW AN EXISTING FEATURE IS PORTRAYED ON THIS SHEET AND THE SURVEY, THE SURVEY SHALL GOVERN.
3. PRIOR TO CONSTRUCTION, LOCATE AND PROMINENTLY MARK THE PROPERTY LINES IN THE FIELD. PROTECT PROPERTY LINE MARKING AND MONUMENTS DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE SURVEY(S) INCLUDED IN THESE DOCUMENTS ARE PROVIDED FOR INFORMATION ONLY AND ARE THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THESE DRAWINGS. THE DATA INDICATED REGARDING EXISTING CONDITIONS IS NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THEIR ACCURACY. BY INCLUSION OF THE SURVEY(S) IN THIS SET OF DOCUMENTS, TETRA TECH AND THE OWNER DO NOT ASSUME RESPONSIBILITY FOR ACCURACY OF THE SURVEY, NOR FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR.
5. FIELD VERIFY EXISTING FEATURES, CONDITIONS, UTILITIES. PROPERTY LINES AND TOPOGRAPHY PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ARCHITECT. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING INFORMATION INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENTS TO THE CONTRACT WILL BE MADE FOR THE DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION AFTER WORK HAS BEGUN.
6. NO ATTEMPT HAS BEEN MADE TO SHOW ALL UNDERGROUND UTILITIES ON THIS DRAWING. CONTACT UNDERGROUND UTILITY LOCATION ORGANIZATION AND LOCAL UTILITY COMPANIES TO VERIFY THE LOCATION OF UTILITIES PRIOR TO EARTHWORK, TRENCHING OR EXCAVATION OPERATIONS.
7. CONTRACT LIMIT LINE SHALL BE TEN FEET OUTSIDE OF LIMITS OF WORK INDICATED ON THESE DRAWINGS AND NOT TO EXTEND BEYOND THE PROPERTY LINE UNLESS OTHERWISE INDICATED.
8. PROVIDE CONSTRUCTION/PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE SAFETY OF THE PUBLIC, PEDESTRIANS AND VEHICULAR TRAFFIC DURING CONSTRUCTION.
9. FOR INFORMATION REGARDING SUBSURFACE CONDITIONS AND TEST LOCATIONS, COORDINATE WITH OWNER REGARDING THE AVAILABILITY OF GEOTECHNICAL INFORMATION.
10. AT EDGE OF ALL NEW PAVING MEETING LAWN, REMOVE EXISTING TURF TO MINIMUM OF 4-FT FROM NEW PAVEMENT EDGE, UNLESS OTHERWISE NOTED. CUT NEAT REMOVAL LINE AND SCARIFY EXISTING GRADE. PROVIDE TAMPED TOPSOIL TO BRING EXISTING GRADE FLUSH WITH NEW PAVING. SLOPE LAWN AWAY FROM PAVING TO PREVENT PONDING. FINE GRADE, FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THE PROJECT MANUAL.

SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
X	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION "KEYNOTES" (Specific Feature)
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED

S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School
Middle School

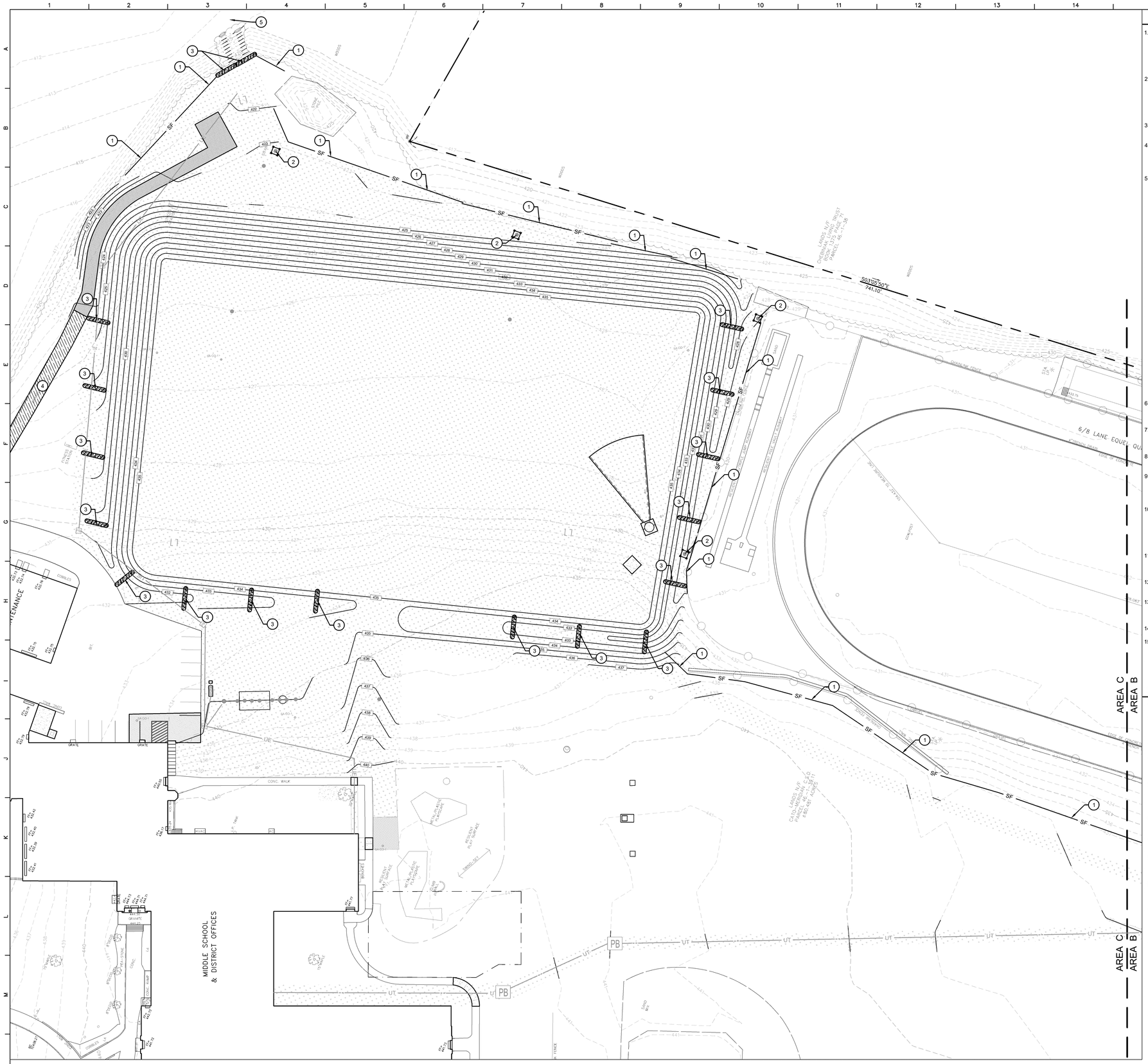
Area - C
Site Demolition Plan - System No.2

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	AC100

Project No.: 374866-23001.1

1 Site Demolition Plan - Area B
1" = 30'

SCALE: 1" = 30'



1 Site Soil Erosion and Sediment Control Plan - Area B
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Erosion and Sediment Control Notes

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFIED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), LATEST EDITION, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMP. SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NY STANDARDS.
3. NYS DEC REGULATIONS REQUIRE THAT DISTURBANCE BE LIMITED TO AREAS LESS THAN 5-ACRES AT ANY ONE TIME.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT ACCORDING TO NYS DEC STANDARDS.
5. STABILIZATION SPECIFICATIONS:

   A. SOIL AMENDMENTS:

   LIME - PROVIDE GROUND LIMESTONE TO PH OF 6.0.

   FERTILIZER - 14 LBS/1,000 S.F., 5-10-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

   B. TEMPORARY SEEDING AND MULCHING:

   SEED - ANNUAL RYEGRASS 30 LBS/ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. USE WINTER RYE IF SEEDING IN OCT./NOV.

   MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 90 LBS/1,000 S.F., TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY WOOD FIBER MULCH (HYDROMULCH) AT 11-17 LBS./1,000 S.F. WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.

   C. PERMANENT SEEDING AND MULCHING:

   SEED - REFER TO PROJECT MANUAL SPECIFICATIONS FOR SEED TYPE, RATE OF SEEDING AND SEASON OF SEEDING. RATE AND SEED TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.

   MULCH - REFER TO PROJECT MANUAL SPECIFICATIONS FOR MULCH TYPE, RATE OF APPLICATION, ETC. RATE AND MULCH TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.
6. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
9. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A SILT DAM OR STRAW BALE DIKE IN ACCORDANCE WITH NY STANDARDS.
10. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30'X100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED (SEE DETAIL).
11. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A FABRIC FILTER CRUSHED STONE OR FABRIC FILTER (FILTER DETAILS APPEAR ON THE PLAN).
12. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
13. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT TRAP OR APPROVED AFTERMARKET PRODUCT IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
15. STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION ACCESS AREAS TO BE RESTORED TO EXISTING CONDITIONS, LAWN RESTORATION SHALL INCLUDE REMOVAL GRANULAR FILL, GRAVEL AND STONE. SCARIFY SUBGRADE. PROVIDE TOPSOIL AND LIGHTLY COMPACT TO BE FLUSH WITH SURROUNDING GRADE. FINE GRADE, FERTILIZE, SEED AND MULCH.

Site Erosion & Sediment Control Sequence

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PAD.
2. INSTALL TEMPORARY TREE PROTECTION AT EXISTING TREES WITHIN CONSTRUCTION AREA. PRIOR TO COMMENCEMENT OF GRADING OPERATIONS,
3. INSTALL SILT FENCE, SEDIMENT TRAPS AND SEDIMENT BASINS.
4. INSTALL TEMPORARY STORM SEWER INLET PROTECTION AT ALL EXISTING DRAINAGE INLETS THAT WILL BE RECEIVING STORM DRAINAGE FROM CONSTRUCTION ACTIVITIES.
5. PREPARE CONTRACTOR ACCESS DRIVES, PARKING AND STAGING AREAS WITH TYPE 2 FILL OR OTHER SURFACING THAT WILL PREVENT EROSION OF THESE AREAS. STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN.
6. SURROUND ALL STOCKPILES WITH SILT FENCE OR HAY BALE BARRIER. THROUGHOUT GRADING OPERATIONS,
7. PROVIDE TEMPORARY AND PERMANENT SEEDING PER SOIL EROSION AND SEDIMENT CONTROL NOTES NOS. 2, 3, & 4.
8. AFTER SLOPES ARE CUT OR FILLED, PROVIDE EROSION CONTROL MATTING AT ALL SLOPES THAT ARE THREE HORIZONTAL TO ONE VERTICAL AND STEEPER.
9. BEFORE COMMENCEMENT OF EXCAVATING FOR FOOTINGS, INSPECT SITE WITH OWNER/ARCHITECT FOR COMPLIANCE WITH SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. DURING EXCAVATION FOR FOOTINGS, TRENCHES, ETC., WHEN DEWATERING IS REQUIRED, PROVIDE MEANS TO REMOVE SEDIMENT IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #13 THIS DRAWING.
11. AS STORM STRUCTURES ARE BEING INSTALLED, PROVIDE TEMPORARY STORM SEWER INLET PROTECTION PER DETAIL AT ALL GRATED STORM SEWER INLETS PRIOR TO CONNECTING BASINS TO NEW STORM PIPING. MAINTAIN EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION THROUGHOUT CONTRACT PERIOD.
12. PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED TO MEET NEW YORK STANDARDS OR AS REQUIRED BY SOIL CONSERVATION DISTRICT.
13. UPON OWNER APPROVAL, REMOVE TEMPORARY SOIL & EROSION CONTROL MEASURES AFTER PERMANENT MEASURES ARE IN PLACE AND FUNCTIONING EFFECTIVELY.

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO AC-SERIES DRAWINGS.

(X) Soil Erosion & Sediment Contol Key Notes

1. PROVIDE SILT FENCE, TYPICAL. SEE DETAIL 1 / ZC500.
2. PROVIDE INLET PROTECTION IN LAWN, TYPICAL. SEE DETAIL 2 / ZC500.
3. PROVIDE EROSION CONTROL FIBER ROLL, TYPICAL. SEE DETAIL 1 / ZC507.
4. PROVIDE CONSTRUCTION ACCESS ROAD, SEE DETAIL 3 / ZC507.
5. RIP RAP, SEE DETAIL 5 / ZC507.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
SF	SILT FENCE
	INLET PROTECTION IN LAWN
	RIP RAP
	TEMPORARY REINFORCED STONE CONSTRUCTION DRIVEWAY
FIBERTUBE	EROSION CONTROL FIBER ROLL

S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

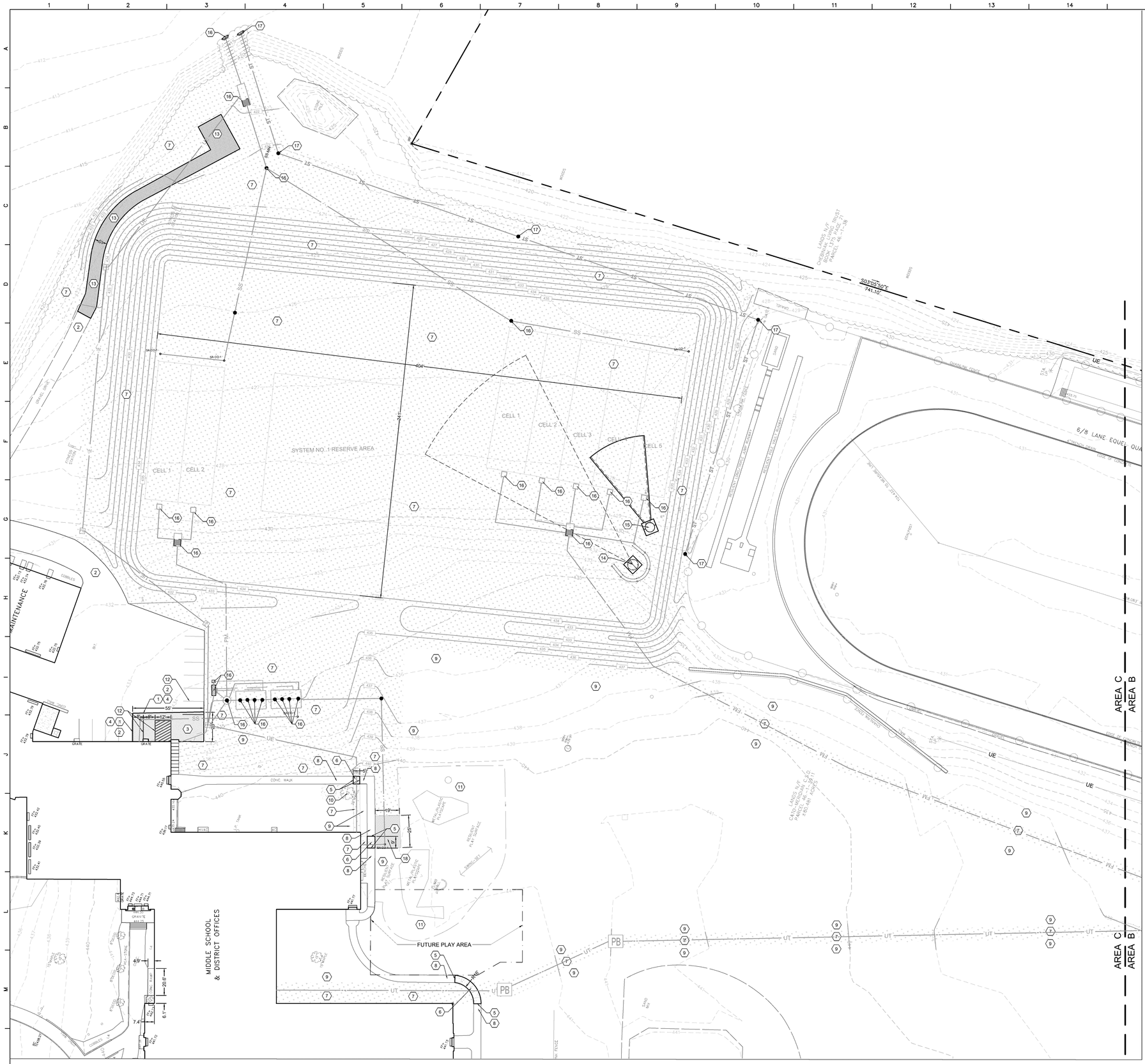
TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School
Middle School

Area - C
Site Soil Erosion and Sediment Control Plan - System No. 2

Drawn by: JRS
Date: 10/20/2023
Project No.: 374866-23001.1
Drawing No.: AC110



1 Site Layout Plan - Area B
1" = 30'

Site Layout Keynotes

1. SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.
2. EXISTING ASPHALT PAVEMENT, PROTECT.
3. AUTO DUTY ASPHALT PAVING. SEE DETAIL 4 / ZC500.
4. NEW ASPHALT PAVING AT EXISTING ASPHALT (TYPICAL). SEE DETAIL 6 / ZC500.
5. NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK. SEE DETAIL 8 / ZC500.
6. NEW CONCRETE SIDEWALK. SEE DETAILS 7 AND 14 / ZC500.
7. SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.
8. EXISTING CONCRETE SIDEWALK, PROTECT.
9. EXISTING LAWN AREA, PROTECT.
10. EXISTING TREE, PROTECT.
11. EXISTING PLAY AREA, PROTECT.
12. TRAFFIC STRIPING AND PARKING STALL STRIPING AS INDICATED, SEE DETAIL 16 / ZC500.
13. ACCESSIBLE AGGREGATE PAVING AUTO - DUTY. SEE DETAIL 1 / ZC506.
14. DISCUS CAGE WITH CONCRETE DISCUS PAD INSTALLED WITH ALUMINUM FORM. SEE DETAIL 9, 10, AND 11 / ZC507 AND PROJECT MANUAL SECTION 11 68 33.43 - TRACK AND FIELD EQUIPMENT.
15. SHOTPUT PAD INSTALL WITH ALUMINUM FORM. SEE DETAILS 6, 7, AND 8 / ZC507 AND PROJECT MANUAL SECTION 11 68 33.43 - TRACK AND FIELD EQUIPMENT.
16. SEPTIC SYSTEM STRUCTURES AND MANHOLES. SEE SHEET AC140 FOR SEPTIC SYSTEM INFORMATION.
17. STORM SEWER STRUCTURES. SEE SHEET AC140 FOR STORM UTILITY INFORMATION.
18. NEW PLAY AREA SURFACING. REPLACE WITH SIMILAR TO ADJACENT MATERIAL.

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

Site Layout Notes

1. LAYOUT DIMENSIONS GIVEN ARE FROM FACE OF BUILDING (FOB), FACE OF CURB (F.O.C.), CENTER LINE (CL) AND EDGE OF PAVEMENTS UNLESS OTHERWISE NOTED.
2. OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
3. PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
4. VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
5. AT EDGE OF NEW PAVING MEETING LAWN: ADD TOPSOIL ALONG EDGE OF NEW PAVING TO BRING ADJACENT GRADE FLUSH WITH EDGE OF NEW PAVING AT MAXIMUM 3% SLOPE. CUT NEAT LINE IN EXISTING LAWN AT NEW TOPSOIL LIMIT LINE. REFER TO PROJECT MANUAL SIDEWALK AND ASPHALT PAVEMENT SECTIONS FOR ADDITIONAL REQUIREMENTS.
6. SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.

Site Layout Legend

	CONCRETE PAVING
	ASPHALT PAVING - AUTO DUTY
	CONCRETE WALK
	TOPSOIL, LAWN SEEDING & MULCHING

S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School
Middle School

Area - C
Site Layout Plan - System No. 2

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	AC120

Project No.: 374866-23001.1

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

General Grading Plan Notes

1. ALL FILL MATERIALS, INCLUDING ON-SITE MATERIALS, ARE TO BE SUBMITTED FOR ARCHITECT APPROVAL BEFORE PLACEMENT. REFER TO EARTH MOVING SPECIFICATION FOR REQUIREMENTS.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. EXCESS MATERIAL CUT FROM THE SITE (WITH THE EXCEPTION OF TOPSOIL) SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF PER THE PROJECT MANUAL.
4. OWNER'S GEOTECHNICAL ENGINEER TO BE PRESENT FOR ALL FILL AND COMPACTION OPERATIONS, INCLUDING TRENCHES AND STORMWATER STRUCTURES. REFER TO EARTH MOVING SPECIFICATION FOR GEOTECHNICAL TESTING REQUIREMENTS.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR NATURAL AND PAVED AREAS.
6. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6-INCHES CONTINUOUS SETTLED DEPTH OVER AREAS OF THE SITE WHERE EARTH HAS BEEN DISTURBED, EXCEPT WHERE BUILDING OR PAVING IS PROPOSED.
7. DISTURBED AREAS THAT ARE NOT RECEIVING PAVEMENT SHALL BE FINE GRADED, SEEDED OR SODDED, FERTILIZED AND MULCHED AS PER THE PROJECT MANUAL.
8. AFTER FINE GRADING IS COMPLETED, INFORM THE OWNER AND A/E SO THAT AN INSPECTION OF THE FINE GRADING CAN TAKE PLACE BEFORE SEEDING IS BEGUN. IF INSPECTION DOES NOT TAKE PLACE, APPROVAL OF LAWN MAY BE DELAYED OR DENIED.
9. PROVIDE GRADE ADJUSTING RINGS OR SHIMS AT DROP-INLETS, CATCH BASINS AND MANHOLES IN AREAS SCHEDULED FOR REPAVING OR REGRADING TO BRING RIMS UP TO LEVEL OF NEW FINISHED GRADE.
10. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1-FOOT INTERVALS.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS.
12. IF APPLICABLE, THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NEW YORK STATE S.P.D.E.S. PERMIT AND PROJECT S.W.P.P.P. FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

1 Site Grading Plan
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

complex world | CLEAR SOLUTIONS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Elementary School
Middle School

Area C
Site Grading Plan

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	AC130

Project No.: 374866-23001.1

Storm Drainage Piping Schedule

ID	LENGTH	SIZE/MATERIAL	SLOPE	Description
STORM PIPE				
DP-1 :	96 LF	OF 12" HDPE PIPE	@ 2.49%	Storm Line *
DP-2 :	194 LF	OF 12" HDPE PIPE	@ 1.24%	Storm Line *
DP-3 :	194 LF	OF 12" HDPE PIPE	@ 1.80%	Storm Line *
DP-4 :	188 LF	OF 12" HDPE PIPE	@ 1.00%	Storm Line *

*See Detail 15 / ZC500

Storm Drainage Structure Schedule

ID	STRUCTURE TYPE	CONNECTION DATA
HW-1 :	CONCRETE HEADWALL	@ (NE) 12" INVERT OUT = 414.00
(SEE DETAIL 13 / ZC506)		
DS-1 :	4' DIA. DRAIN MANHOLE	@ TOP OF RIM 423.10
		(S) 12" INVERT IN = 416.39
(SEE DETAIL 19 / ZC500		(NE) 12" INVERT OUT = 416.39
DS-2 :	4' DIA. DRAIN MANHOLE	@ TOP OF RIM 424.50
		(S) 12" INVERT IN = 418.33
(SEE DETAIL 19 / ZC500		(N) 12" INVERT OUT = 418.33
DS-3 :	4' DIA. DRAIN MANHOLE	@ TOP OF RIM 429.00
		(N 12" INVERT IN = 420.27
(SEE DETAIL 19 / ZC500		(S) 12" INVERT OUT = 420.27
DS-4 :	4' DIA. DRAIN MANHOLE	@ TOP OF RIM 430.30
	DROP MANHOLE	(N 12" INVERT IN = 424.15 FV
(SEE DETAIL 21 / ZC500		(E) 12" INVERT OUT = 422.15
DS-5 :	4' DIA. DRAIN MANHOLE	@ TOP OF RIM 430.00
	DOGHOUSE MANHOLE	
(SEE DETAIL 14 / ZC506		(NW) 12" INVERT OUT = 423.90
FV = FIELD VERIFY		

Valve Box Keynotes

1 BALANCE SYSTEM IN PRESENCE OF FACILITY ENGINEER FOLLOWING INSTALLATION OF PIPING BETWEEN VALVES AND LOCATION OF THE DISTRIBUTION BOX AND PRIOR TO BACKFILLING. RUN PUMP SYSTEM FOR A MINIMUM OF ONE MINUTE BEFORE BALANCING OF VALVES. BALANCING CAN BE ACCOMPLISHED BY THE FOLLOWING METHOD:

- CONFIRM EACH OF THE 4 BALANCE VALVES ARE OPEN
- RUN PUMP FOR 1 MINUTE PRIOR TO CONTINUING BALANCING OF THE SYSTEM
- CONTINUE TO RUN PUMP THAT SUPPLIES THOSE 4 VALVES
- ON PUMP DISCHARGE PIPE, AT LOCATION OF DISTRIBUTION BOX, UTILIZE A FLOW METER AT EACH OF THE 4 CELLS. ADJUST VALVES IN VALVE BOX UNTIL EQUAL FLOW IS ARCHIVED AT EACH OF THE 2 CELLS. REPEAT BALANCING FOR EACH CELL OF THE DISTRIBUTION FIELD .
- PROVIDE FLOW METER ON RECIRCULATION LINE BACK TO SEPTIC TANK. ADJUST VALVE TO PROVIDE +X GALLONS PER MINUTE FLOW BACK TO THE SEPTIC TANK.

Site Utility and Drainage Keynotes

1. 10,000 GALLON SEPTIC TANK SEE DETAIL 5 / ZC503
   RIM= 434.76'
   4-IN INVERT IN= 427.90'
   6-IN INVERT IN= 427.90'
   2-IN RECIRCULATION IN= 427.90'
   INVERT OUT= 427.65'
2. 8,000 GALLON ENHANCED TREATMENT UNIT. SEE DETAIL 1/ZC505
   RIM=
   INVERT IN=
   INVERT OUT=
3. 6-FT DIAMETER SANITARY LIFT STATION SEE DETAIL 1 / ZC503
   RIM= 434.76'
   INVERT IN= 427.55'
   INVERT OUT=430.70'
   2-IN RECIRCULATION OUT= 430.70'
4. VALVE BOX SEE DETAIL 3 / ZC503
   RIM= 441.25'
   INVERT IN= 437.11'
   INVERT OUT= 437.11'
5. DISTRIBUTION BOX SEE DETAIL 2 / ZC503
6. EXISTING UTILITY TO REMAIN. PROTECT.
7. GRADE CLEANOUT SEE 12 / ZC500.
8. 6-IN SANITARY PIPING EXITING BUILDING. SEE DETAIL 15 / ZC500.
   INVERT OUT= 438.00' (VIF)
9. 4-IN SANITARY PIPING EXITING BUILDING. SEE DETAIL 15 / ZC500.
   INVERT OUT= 429.00' (VIF)
10. CROSSING AT EXISTING WATER LINE. CALCULATED TOP OF WATER PIPE AT CROSSING = 435.50' +/- *(ASSUMES 4.5-FT OF COVER)*. CALCULATED TOP OF SS SANITARY LINE AT CROSSING = 437.40' +/-. SEE DETAIL 13 / ZC500
11. EXISTING TREE PROTECT.
12. 105 LF 6-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
13. 98 LF 6-IN SANITARY PIPING AT 7.7% SLOPE. SEE DETAIL 15 / ZC500.
14. 78 LF 4-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
15. 140 LF 3-IN SANITARY FORCE MAIN FROM LIFT STATION TO VALVE BOX. SEE D3ETAIL 15/ ZC500.
16. SAND FILTER CELL. SEE DETAIL 4/ ZC503. (8 PIPES PER CELL).
17. XX LF 4-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15/ ZC500.
18. 18 LF 6-IN SANITARY PIPING AT 7.7% SLOPE. SEE DETAIL 15/ ZC500.
19. 17 LF 4-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15/ ZC500.
20. XX LF 3-IN SANITARY RECIRCULATION FROM LIFT STATION TO SEPTIC TANK.
21. 28 LF 1 1/2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX.
22. 49 LF 4-IN COLLECTOR PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
23. 112 LF 6-IN OUTFALL PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
24. SANITARY MANHOLE AT COLLECTOR OUTFALL. SEE DETAIL 6/ ZC503.
    RIM= 423.50'
    INVERT IN= 419.00'
    INVERT IN= 419.00'
    INVERT OUT=418.00'
25. 60 LF 4-IN SEPTIC TANK VENT PIPING. SEE DETAIL 15 / ZC500.
26. 34 LF 4-IN ENHANCED TREATMENT UNIT VENT PIPING. SEE DETAIL 15 / ZC500.
27. 6 LF 4-IN LIFT STATION VENT PIPING. SEE DETAIL 15 / ZC500.
28. (3) 4-IN VENT PIPING UP. TERMINATE MINIMUM 12-FT ABOVE GRADE.
29. COMPRESSED AIR BLOWER. SEE DETAIL 2 /ZC502.
30. PUMP CONTROL PANEL. SEE DETAIL 6/ ZC502.
31. 516 LF 3-IN SANITARY FORCE MAIN CONTINUED ON BC141. SEE DETAIL 15/ ZC500.
32. CROSSING AT EXISTING WATER LINE. CALCULATED TOP OF WATER PIPE AT CROSSING = 433.90 +/- *(ASSUMES 4.5-FT OF COVER)*. CALCULATED TOP OF SS SANITARY LINE AT CROSSING = 432.30 +/-. SEE DETAIL 13 / ZC500.
33. VALVE BOX SEE DETAIL 4/ ZC504
    RIM= 435.40'
    INVERT IN= XXX'
    INVERT OUT= XXX'
34. 90 LF 1 1/2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX.
35. 54 LF 1 1/2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX.
36. 27 LF 1 1/2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX.
37. DISTRIBUTION BOX. SEE DETAIL 2/ ZC504.
38. SAND FILTER CELL SEE DETAIL 3/ ZC504. (9 PIPES PER CELL)
39. 482 LF 6-IN COLLECTOR PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
40. 137 LF 6-IN OUTFALL PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
41. BURIED CLEANOUT. SEE DETAIL 12/ ZC506.
    INVERT OUT = 426.50'
42. 48 LF 6-IN OUTFALL TO ULTRAVIOLET LIGHT VAULT AT MINIMUM 1% SLOPE.
43. ULTRAVIOLET LIGHT VAULT. SEE DETAIL 3/ZC502.
    RIM=
    INVERT IN= 417.52
    INVERT OUT= 417.22'
44. DISCHARGE OUTFALL TO HEADWALL. SEE DETAIL XX/ZC50X.
45. BURIED DROP MANHOLE. SEE DETAIL 21/ZC500.
    INVERT IN= 425.63'
    INVERT OUT= 420.12'
46. 38 LF 4-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15/ ZC500.
47. BURIED DROP MANHOLE. SEE DETAIL 21/ZC500.
    INVERT IN= 425.13'
    INVERT OUT= 423.82'
48. BURIED CLEANOUT. SEE DETAIL 12/ ZC506.
    INVERT IN/OUT = 426.01'
49. SANITARY MANHOLE AT COLLECTOR OUTFALL. SEE DETAIL 6/ ZC503.
    RIM= 436.75'
    INVERT IN= xxx'
    INVERT OUT=xxx'
50. NEW FIBER OPTIC CABLE SEE DETAIL 15 / ZC500.
51. PULL BOX SEE DETAIL 11 / ZC506.

General Site Notes

1. REFER TO DRAWING AC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL AC-SERIES DRAWINGS.

General Utility Plan Notes

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. SEE PROJECT MANUAL FOR BACKFILLING AND COMPACTION REQUIREMENTS FOR UTILITY TRENCHES.
3. PLACE AND COMPACT FILL MATERIAL BEFORE INSTALLATION OF PROPOSED UTILITIES.
4. MAINTAIN MINIMUM DISTANCE OF 10 FEET (PARALLEL) OR 18 INCHES WHEN CROSSING VERTICALLY (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE. BETWEEN ALL WATER AND OTHER UTILITIES
5. INSTALL, INSPECT AND APPROVE UNDERGROUND LINES BEFORE BACKFILLING.
6. RAISE TOPS OF EXISTING MANHOLES, DRAINAGE INLETS, HYDRANTS AND WATER LINE VALVE BOXES AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
7. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
8. VERIFY EXISTING UTILITIES IN FIELD PRIOR TO INSTALLATION OF NEW LINES.
9. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. REFER TO PROJECT MANUAL REGARDING COORDINATION WITH UTILITY COMPANIES BEFORE ANY EXCAVATION REGARDING FIELD LOCATION OF UTILITIES.
10. CONDUCT REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
11. COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION, INCLUDING BUT NOT LIMITED TO ACCESS AND EGRESS FROM EXCAVATION AND TRENCHING. COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
12. TREAT WATER TO REMOVE SEDIMENT, OILS, OR OTHER POLLUTANTS IN CASE OF DEWATERING/ PUMPING WATER FROM ANY CONSTRUCTION WORK, PROCESS OR AREA PRIOR TO RELEASING DOWN STREAM OR INTO STORM SYSTEMS.

Site Electrical Keynotes

1 PROVIDE 30A-3P BREAKER IN PANEL LP5 (100A 208Y/120V3PH-4W) IN CORRIDOR 134B. CONNECT TO LIFT STATION WITH (3) #10, #10G IN MINIMUM 1-IN CONDUIT.

I Site Utility Plan - Area B
1" = 30'

SCALE: 1" = 30'

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

Area - C
Site Utility Plan - System No. 2

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	AC140

T+ Project No.:
374866-23001.1

2 First Floor - Code Compliance
3/64" = 1'-0"

1 Ground Floor - Code Compliance
3/64" = 1'-0"

Code Compliance Review

PROJECT LOCATION:
2851 STATE ROUTE 370, CATO, NY 13033
SITUATED ALONG MAIN ST (STATE ROUTE 370)

PROJECT DESCRIPTION:
THE PROJECT WORK IS DEFINED BY THE CONTRACT DOCUMENTS AND CONSISTS OF REPLACEMENT OF THE BUILDING'S EXISTING SEPTIC SYSTEM AND ASSOCIATED COMPONENTS IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND ENVIRONMENTAL PROTECTION AGENCY SANITARY REGULATIONS. THE PROJECT INCLUDES REMOVAL OF THE EXISTING SYSTEM AND UNSUITABLE SOILS, AND REPLACEMENT WITH: NEW SEPTIC TANK(S), LIFT STATION, PUMP(S) AND CONTROLS, FORCE MAINS/SANITARY LINES, SANITARY VALVE BOX(ES) AND DISTRIBUTION BOX(ES), DRAIN FIELD SYSTEM, MANHOLES: ASSOCIATED CONCRETE, ASPHALT, SITE GRADING, RESTORATION, AND CUT-FILL OPERATIONS; AND ELECTRICAL WORK.

APPLICABLE CODES AND STANDARDS:

BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES AND 2020 BUILDING CODES of NYS, AND ICC A117.1-2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND MPS-22.

[REFER TO PROJECT MANUAL FOR REQUIREMENTS STATED IN "NYCRR 155 REGULATIONS OF THE COMMISSIONER OF EDUCATION".]

BUILDING DATA:

BUILDING: CATO MERIDIAN JUNIOR-SENIOR HIGH SCHOOL
2851 STATE ROUTE 370
CATO, NY 12022

DESCRIPTION: TWO STORY MASONRY AND REINFORCED CONCRETE BUILDING

YEAR BUILT: 1967 (BEARDSLEY AND BEARDSLEY ARCHITECTS)
2004 (TEITSCH-KENT-FAY ARCHITECTS, P.C.)

BUILDING AREA: GROUND 40,620 SQFT
1ST FLOOR 88,676 SQFT

TOTAL GROSS AREA= 129,296 SQFT

CODE DATA SUMMARY:

USE GROUP: E : EDUCATION

CONSTRUCTION TYPE -

EXISTING: IIB

FIRE SAFETY:
NO SPRINKLER SYSTEM IS PROVIDED

WORK AREA: PROJECT INVOLVES SITEWORK AND NO BUILDING WORK.

LOCATION	AREA	% OF TOTAL
GROUND	0 SQFT	0%
1ST FLOOR	0 SQFT	0%

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

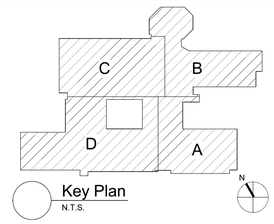
D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT AND OWNER.

Legend

(RW) RESCUE WINDOW



Key Plan
N.T.S.

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

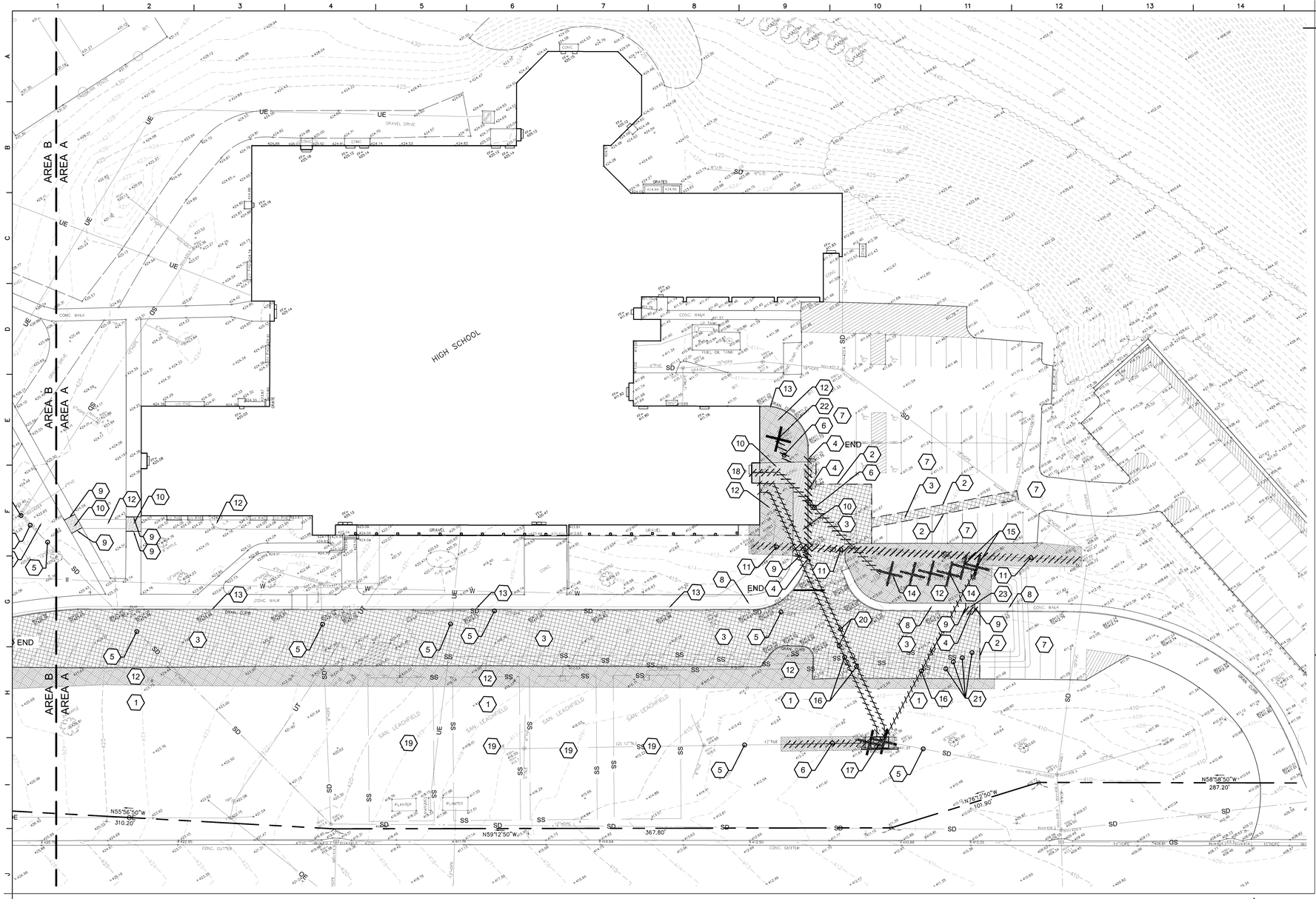
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Code Compliance Review Ground and First Floor

Drawn By:	Date:	Drawing Number:
ZV	10/20/2023	BG350

Project No.: 374886-23001.1



Site Preparation/Demolition General Notes

1. THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO C-SERIES DRAWINGS.
2. THE INTENT OF THIS DRAWING IS TO INDICATE PREPARATORY WORK, REMOVALS AND DEMOLITION NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE REST OF THE CONTRACT DRAWINGS. SOME NOTES ARE GENERAL IN NATURE AND IT SHALL BE UNDERSTOOD THAT IT IS NOT FEASIBLE TO INDICATE EACH AND EVERY SPECIFIC REMOVAL. SITE PREPARATION / DEMOLITION DRAWINGS SHALL NOT BE USED ALONE, BUT SHALL BE USED IN CONJUNCTION WITH THE OTHER DRAWINGS FOR WORK TO BE REMOVED, REUSED, AND / OR REVISED NOT INDICATED HERE.
3. MAINTAIN UTILITY SERVICES TO BUILDINGS. IF UTILITY SERVICES MUST BE INTERRUPTED COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO BUILDINGS. SEE PROJECT MANUAL REGARDING COORDINATION OF DEMOLITION WORK WITH UTILITY COMPANIES.
4. MAINTAIN SAFE SITE ACCESS TO PEDESTRIAN, VEHICULAR TRAFFIC, EMERGENCY AND HEALTH SAFETY AGENCIES. IF ACCESS WILL BE COMPROMISED COORDINATE AT LEAST ONE WEEK IN ADVANCE WITH THE OWNER'S REPRESENTATIVE AND HEALTH SAFETY AGENCIES, UNLESS OTHERWISE NOTED IN THE PROJECT MANUAL.
5. REMOVE UTILITIES, SIDEWALKS, PAVEMENT, SLABS, FOUNDATIONS, AND MISCELLANEOUS FEATURES. SPOIL OFF-SITE IN A LEGAL MANNER UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. NO BURNING OF DEBRIS SHALL BE ALLOWED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIAL AS SPECIFIED.
6. REMOVE SITE FEATURE, INDICATED, REMOVE THE SITE FEATURE, INCLUDING APPURTENANCES AND FOOTINGS. DISPOSE OF LEGALLY OFF SITE, UNLESS OTHERWISE INDICATED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIALS AS SPECIFIED.
7. PROTECT SITE FEATURE INDICATED TO REMAIN. WHEN DISTURBANCE OCCURS AROUND AN EXISTING FEATURE, USE ADDITIONAL PRECAUTIONS INCLUDING, BUT NOT LIMITED TO HAND DIGGING TO PROTECT THE FEATURE.
8. EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. PROTECT MANHOLES, CATCH BASINS, CLEAN OUTS, VALVE BOXES, FRAMES, COVERS AND GRATES REMAINING AND ADJUST TO FINAL GRADES. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
10. VERIFY GRADES AND UTILITIES SHOWN ON EXISTING CONDITIONS PLAN PRIOR TO START OF WORK. DOCUMENT DISCREPANCIES AND SUBMIT TO THE OWNER'S REPRESENTATIVE AT THE TIME OF DISCOVERY.
11. RELOCATE UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS INDICATED ON DESIGN DOCUMENTS.
12. IF EXISTING SITE FEATURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, REPAIR OR REPLACE IN-KIND, TYPICAL.
13. REMOVE OR RELOCATE, WHEN APPLICABLE, ALL CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPES, POWER POLES, AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION AS SHOWN.
14. NOTIFY OWNERS REPRESENTATIVE IF UNIDENTIFIED UTILITIES ARE ENCOUNTERED INCLUDING, BUT NOT LIMITED TO, STORM SEWER, SANITARY SEWER, TELECOMMUNICATIONS SERVICE, ELECTRICAL SERVICE, GAS SERVICE, WATER SERVICE, IRRIGATION LINES. UTILITIES LINES TO REMAIN UNDISTURBED UNTIL DIRECTED BY OWNERS REPRESENTATIVE.
15. REQUEST UFPO PRIOR TO START OF ANY WORK. "DIG SAFELY NEW YORK - CALL 811 - BEFORE YOU DIG".

Site Phasing Notes

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES BEFORE SOIL DISTURBANCE AND INSTALLATION OF OTHER TEMPORARY CONSTRUCTION FEATURES.
2. ACCESS ROADS AND CONSTRUCTION ENTRANCES ARE TO BE KEPT CLEAR AT ALL TIMES.
3. REFER TO PROJECT MANUAL FOR PHASING INFORMATION FOR INSTALLATION OF PAVING, SIDEWALKS, CURBING AND STORM UTILITIES.
4. CONTRACTOR PARKING IS RESTRICTED TO STAGING OR DESIGNATED TEMPORARY PARKING AREAS.
5. AT STAGING AND OTHER TEMPORARY AREAS TO BE RESTORED TO LAWN: THOROUGHLY REMOVE GRAVEL, STONES, DEBRIS, VEGETATION, ETC. FROM EXISTING TOPSOIL AND SCARIFY TO A MINIMUM DEPTH OF 6". AMEND TOPSOIL WITH COMPOST AND NUTRITIONAL AMENDMENTS AND FINE GRADE, FERTILIZE AND SEED OR SOD.
6. AT STAGING AND OTHER TEMPORARY AREAS ON EXISTING PAVING: REMOVE AND REPLACE EXISTING PAVING IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
7. REPLACE PAVING THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
8. REMOVE LAWN THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES AND SCARIFY THE AREA. PROVIDE NEW TOPSOIL AS REQUIRED TO BRING THE AREA TO MATCH SURROUNDING GRADE. FERTILIZE AND SEED OR SOD.

General Site Notes

1. THESE GENERAL SITE NOTES APPLY TO C-SERIES DRAWINGS.
2. REFER TO SURVEY FOR INFORMATION ON EXISTING FEATURES. IF EXISTING FEATURES ARE MISSING, MODIFIED, OBSCURED, OR THERE IS A CONFLICT BETWEEN HOW AN EXISTING FEATURE IS PORTRAYED ON THIS SHEET AND THE SURVEY, THE SURVEY SHALL GOVERN.
3. PRIOR TO CONSTRUCTION, LOCATE AND PROMINENTLY MARK THE PROPERTY LINES IN THE FIELD. PROTECT PROPERTY LINE MARKING AND MONUMENTS DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE SURVEY(S) INCLUDED IN THESE DOCUMENTS ARE PROVIDED FOR INFORMATION ONLY AND ARE THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THESE DRAWINGS. THE DATA INDICATED REGARDING EXISTING CONDITIONS IS NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THEIR ACCURACY. BY INCLUSION OF THE SURVEY(S) IN THIS SET OF DOCUMENTS, TETRA TECH AND THE OWNER DO NOT ASSUME RESPONSIBILITY FOR ACCURACY OF THE SURVEY, NOR FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING FEATURES, CONDITIONS, UTILITIES, PROPERTY LINES AND TOPOGRAPHY PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ARCHITECT. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING INFORMATION INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENTS TO THE CONTRACT WILL BE MADE FOR THE DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION AFTER WORK HAS BEGUN.
6. NO ATTEMPT HAS BEEN MADE TO SHOW ALL UNDERGROUND UTILITIES ON THIS DRAWING. CONTACT UNDERGROUND UTILITY LOCATION ORGANIZATION AND LOCAL UTILITY COMPANIES TO VERIFY THE LOCATION OF UTILITIES PRIOR TO EARTHWORK, TRENCHING OR EXCAVATION OPERATIONS.
7. CONTRACT LIMIT LINE SHALL BE TEN FEET OUTSIDE OF LIMITS OF WORK INDICATED ON THESE DRAWINGS AND NOT TO EXTEND BEYOND THE PROPERTY LINE UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE CONSTRUCTION/PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE SAFETY OF THE PUBLIC, PEDESTRIANS AND VEHICULAR TRAFFIC DURING CONSTRUCTION.
9. FOR INFORMATION REGARDING SUBSURFACE CONDITIONS AND TEST LOCATIONS, COORDINATE WITH OWNER REGARDING THE AVAILABILITY OF GEOTECHNICAL INFORMATION.
10. AT EDGE OF ALL NEW PAVING MEETING LAWN, REMOVE EXISTING TURF TO MINIMUM OF 4-FT FROM NEW PAVEMENT EDGE, UNLESS OTHERWISE NOTED. CUT NEAT REMOVAL LINE AND SCARIFY EXISTING GRADE. PROVIDE TAMPED TOPSOIL TO BRING EXISTING GRADE FLUSH WITH NEW PAVING. SLOPE LAWN AWAY FROM PAVING TO PREVENT PONDING. FINE GRADE, FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THE PROJECT MANUAL.

SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING CONCRETE PAVEMENT SECTION AND SUBBASE AS REQUIRED
X	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES (Specific Feature)
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED
	REMOVE EXISTING INFIELD MIX AS REQUIRED

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

1 Site Demolition Plan - Area A
1" = 30'

SCALE: 1" = 30'

Site Preparation/Demolition Key Notes

1. EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED
2. SAW CUT EXISTING ASPHALT PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE (TYPICAL).
3. REMOVE EXISTING ASPHALT AND SUBBASE AS NECESSARY TO ALLOW FOR REMOVAL OF ADJACENT CURB (TYPICAL).
4. REMOVE EXISTING GRANITE CURB IN LOCATION SHOWN. PROTECT FROM DAMAGE DURING REMOVAL AND TURN OVER TO OWNER FOR REUSE.
5. EXISTING UTILITY TO REMAIN, PROTECT.
6. REMOVE EXISTING SANITARY PIPE. BACKFILL VOIDS IN SPECIFIED LIFTS.
7. EXISTING ASPHALT TO REMAIN, PROTECT. (TYPICAL)
8. EXISTING CONCRETE TO REMAIN, PROTECT. (TYPICAL)
9. SAW CUT EXISTING CONCRETE SIDEWALK AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIGHT EDGE (TYPICAL).
10. REMOVE EXISTING CONCRETE PAVEMENT SECTION, INCLUDING AGGREGATE AND SUBBASE. REMOVE ADDITIONAL SUBBASE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK.
11. REMOVE EXISTING STORM PIPING. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
12. STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE (TYPICAL).
13. GRANITE CURB TO REMAIN, PROTECT.
14. REMOVE EXISTING SEPTIC TANK BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
15. REMOVE EXISTING LIFT STATIONS. BACKFILL VOIDS IN SPECIFIED LIFTS.
16. DISCONNECT AND REMOVE UNDERGROUND FEED TO ELECTRICAL PANEL AT CHLORINATION BUILDING. REMOVE ELECTRICAL COMPONENTS.
17. DISCONNECT AND REMOVE UNDERGROUND FEED TO ELECTRICAL PANEL AT CHLORINATION BUILDING. REMOVE FEED BACK TO SOURCE BREAKER IN SWITCHBOARD SDP IN BOILER ROOM 013. TURN OFF BREAKER AND MARK AS SPARE.
18. EXISTING BUILDING STRUCTURE TO REMAIN. PROTECT.
19. ABANDON ENTIRETY OF EXISTING SANITARY DRAIN FIELD INCLUDING DISTRIBUTION PIPES.
20. DISCONNECT AND ABANDON EXISTING ELECTRIC LINES.
21. ABANDON EXISTING SEWER PIPE.
22. REMOVE EXISTING DRYWELL. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

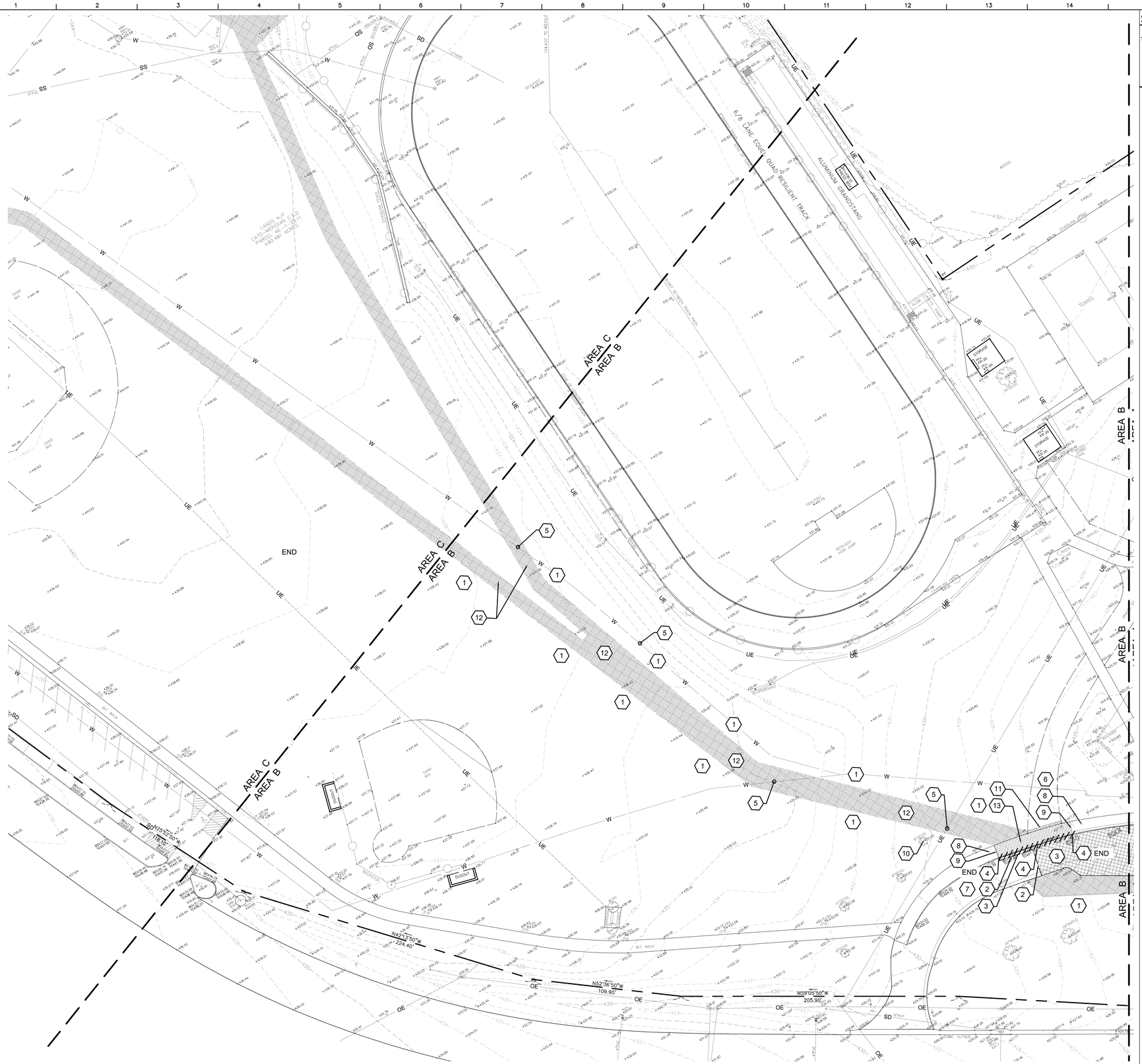
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area - A
Site Demolition Plan - System No. 3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC100

Project No.: 374866-23001.1



Site Preparation/Demolition General Notes

1. THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO BC-SERIES DRAWINGS.

Site Preparation/Demolition Key Notes

1. EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED
2. SAW CUT EXISTING ASPHALT PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE (TYPICAL).
3. REMOVE EXISTING ASPHALT AND SUBBASE AS NECESSARY TO ALLOW FOR REMOVAL OF ADJACENT CURB (TYPICAL).
4. REMOVE EXISTING GRANITE CURB IN LOCATION SHOWN. PROTECT FROM DAMAGE DURING REMOVAL AND TURN OVER TO OWNER FOR REUSE.
5. EXISTING UTILITY TO REMAIN, PROTECT.
6. EXISTING GRAVEL DRIVE, PROTECT.
7. EXISTING ASPHALT TO REMAIN, PROTECT. (TYPICAL)
8. EXISTING CONCRETE TO REMAIN, PROTECT. (TYPICAL)
9. SAW CUT EXISTING CONCRETE SIDEWALK AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIGHT EDGE (TYPICAL).
10. EXISTING TREE, PROTECT.
11. REMOVE EXISTING GRAVEL PAVEMENT AND SUBBASE AS NECESSARY. (TYPICAL)
12. STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE (TYPICAL).
13. REMOVE EXISTING CONCRETE PAVEMENT AND SUBBASE AS NECESSARY TO ALLOW FOR REMOVAL OF ADJACENT CURB (TYPICAL).

General Site Notes

1. THESE GENERAL SITE NOTES APPLY TO C-SERIES DRAWINGS.

SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING CONCRETE PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

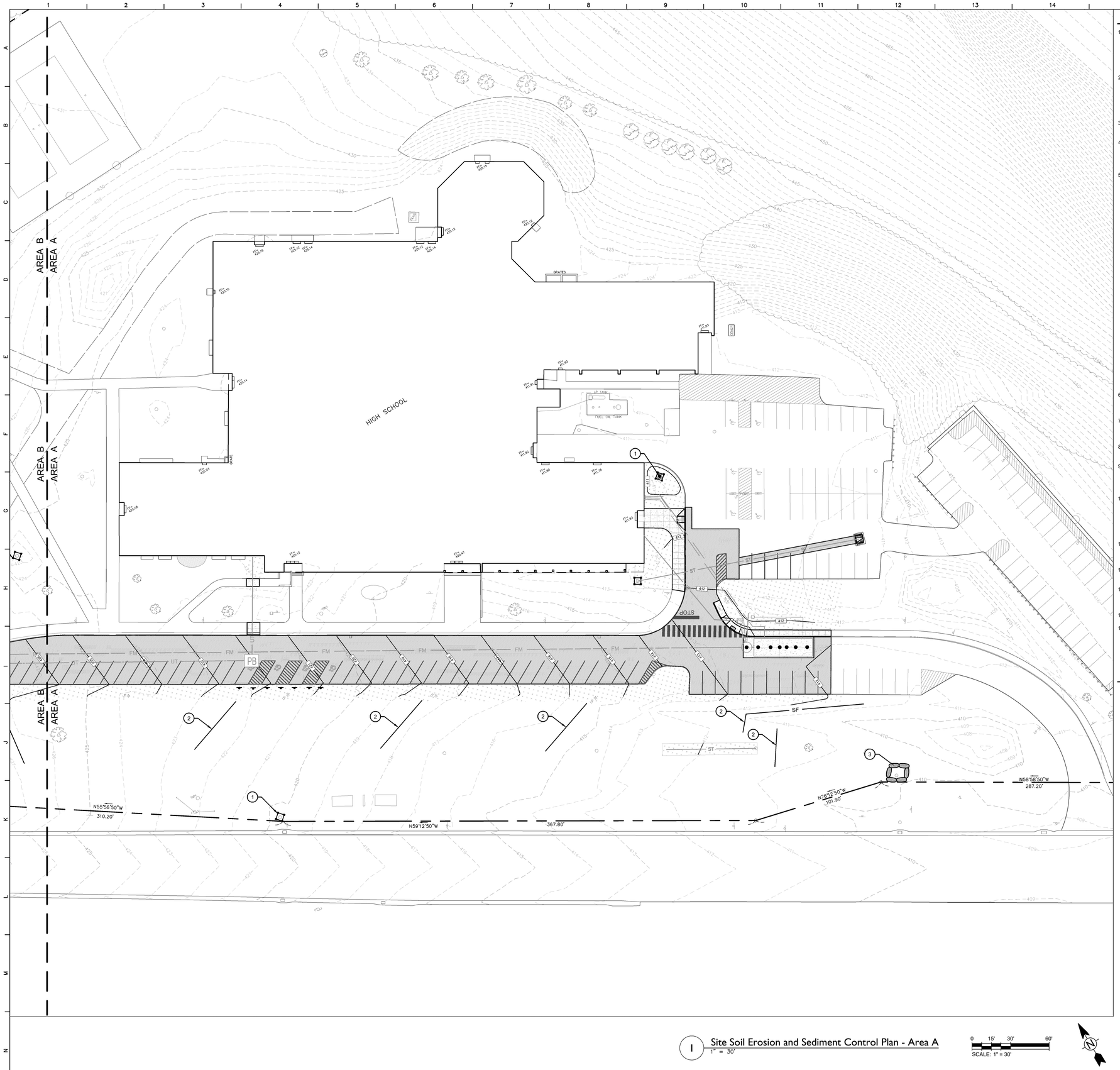
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Areas B
Site Demolition Plan - System No. 3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC101

Project No.: 374866-23001.1



1 Site Soil Erosion and Sediment Control Plan - Area A
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Erosion and Sediment Control Notes

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFIED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), LATEST EDITION, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMP. SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NY STANDARDS.
3. NYS DEC REGULATIONS REQUIRE THAT DISTURBANCE BE LIMITED TO AREAS LESS THAN 5-ACRES AT ANY ONE TIME.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT ACCORDING TO NYS DEC STANDARDS.
5. STABILIZATION SPECIFICATIONS:

   A. SOIL AMENDMENTS:

   LIME - PROVIDE GROUND LIMESTONE TO PH OF 6.0.

   FERTILIZER - 14 LBS/1,000 S.F., 5-10-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

   B. TEMPORARY SEEDING AND MULCHING:

   SEED - ANNUAL RYEGRASS 30 LBS/ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. USE WINTER RYE IF SEEDING IN OCT./NOV.

   MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 90 LBS/1,000 S.F., TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY WOOD FIBER MULCH (HYDROMULCH) AT 11-17 LBS./1,000 S.F. WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.

   C. PERMANENT SEEDING AND MULCHING:

   SEED - REFER TO PROJECT MANUAL SPECIFICATIONS FOR SEED TYPE, RATE OF SEEDING AND SEASON OF SEEDING. RATE AND SEED TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.

   MULCH - REFER TO PROJECT MANUAL SPECIFICATIONS FOR MULCH TYPE, RATE OF APPLICATION, ETC. RATE AND MULCH TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.
6. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
9. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A SILT DAM OR STRAW BALE DIKE IN ACCORDANCE WITH NY STANDARDS.
10. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30'X100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED (SEE DETAIL).
11. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A FABRIC FILTER CRUSHED STONE OR FABRIC FILTER (FILTER DETAILS APPEAR ON THE PLAN).
12. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
13. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT TRAP OR APPROVED AFTERMARKET PRODUCT IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
15. STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION ACCESS AREAS TO BE RESTORED TO EXISTING CONDITIONS, LAWN RESTORATION SHALL INCLUDE REMOVAL GRANULAR FILL, GRAVEL AND STONE. SCARIFY SUBGRADE. PROVIDE TOPSOIL AND LIGHTLY COMPACT TO BE FLUSH WITH SURROUNDING GRADE. FINE GRADE, FERTILIZE, SEED AND MULCH.

Site Erosion & Sediment Control Sequence

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PAD.
2. INSTALL TEMPORARY TREE PROTECTION AT EXISTING TREES WITHIN CONSTRUCTION AREA. PRIOR TO COMMENCEMENT OF GRADING OPERATIONS,
3. INSTALL SILT FENCE, SEDIMENT TRAPS AND SEDIMENT BASINS.
4. INSTALL TEMPORARY STORM SEWER INLET PROTECTION AT ALL EXISTING DRAINAGE INLETS THAT WILL BE RECEIVING STORM DRAINAGE FROM CONSTRUCTION ACTIVITIES.
5. PREPARE CONTRACTOR ACCESS DRIVES, PARKING AND STAGING AREAS WITH TYPE 2 FILL OR OTHER SURFACING THAT WILL PREVENT EROSION OF THESE AREAS. STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN.
6. SURROUND ALL STOCKPILES WITH SILT FENCE OR HAY BALE BARRIER. THROUGHOUT GRADING OPERATIONS,
7. PROVIDE TEMPORARY AND PERMANENT SEEDING PER SOIL EROSION AND SEDIMENT CONTROL NOTES NOS. 2, 3, & 4.
8. AFTER SLOPES ARE CUT OR FILLED, PROVIDE EROSION CONTROL MATTING AT ALL SLOPES THAT ARE THREE HORIZONTAL TO ONE VERTICAL AND STEEPER.
9. BEFORE COMMENCEMENT OF EXCAVATING FOR FOOTINGS, INSPECT SITE WITH OWNER/ARCHITECT FOR COMPLIANCE WITH SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. DURING EXCAVATION FOR FOOTINGS, TRENCHES, ETC., WHEN DEWATERING IS REQUIRED, PROVIDE MEANS TO REMOVE SEDIMENT IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #13 THIS DRAWING.
11. AS STORM STRUCTURES ARE BEING INSTALLED, PROVIDE TEMPORARY STORM SEWER INLET PROTECTION PER DETAIL AT ALL GRATED STORM SEWER INLETS PRIOR TO CONNECTING BASINS TO NEW STORM PIPING. MAINTAIN EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION THROUGHOUT CONTRACT PERIOD.
12. PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED TO MEET NEW YORK STANDARDS OR AS REQUIRED BY SOIL CONSERVATION DISTRICT.
13. UPON OWNER APPROVAL, REMOVE TEMPORARY SOIL & EROSION CONTROL MEASURES AFTER PERMANENT MEASURES ARE IN PLACE AND FUNCTIONING EFFECTIVELY.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO BC-SERIES DRAWINGS.

Soil Erosion & Sediment Contol Key Notes

1. PROVIDE INLET PROTECTION IN LAWN, TYPICAL. SEE DETAIL 2 / ZC500.
2. PROVIDE SILT FENCE, TYPICAL. SEE DETAIL 1 / ZC500.
3. PROVIDE ROCK BARRIER BAGS FOR INLET PROTECTION. SEE DETAIL 2 / ZC506.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
	INLET PROTECTION IN LAWN
SF	SILT FENCE
	ROCK BARRIER BAGS INLET PROTECTION

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

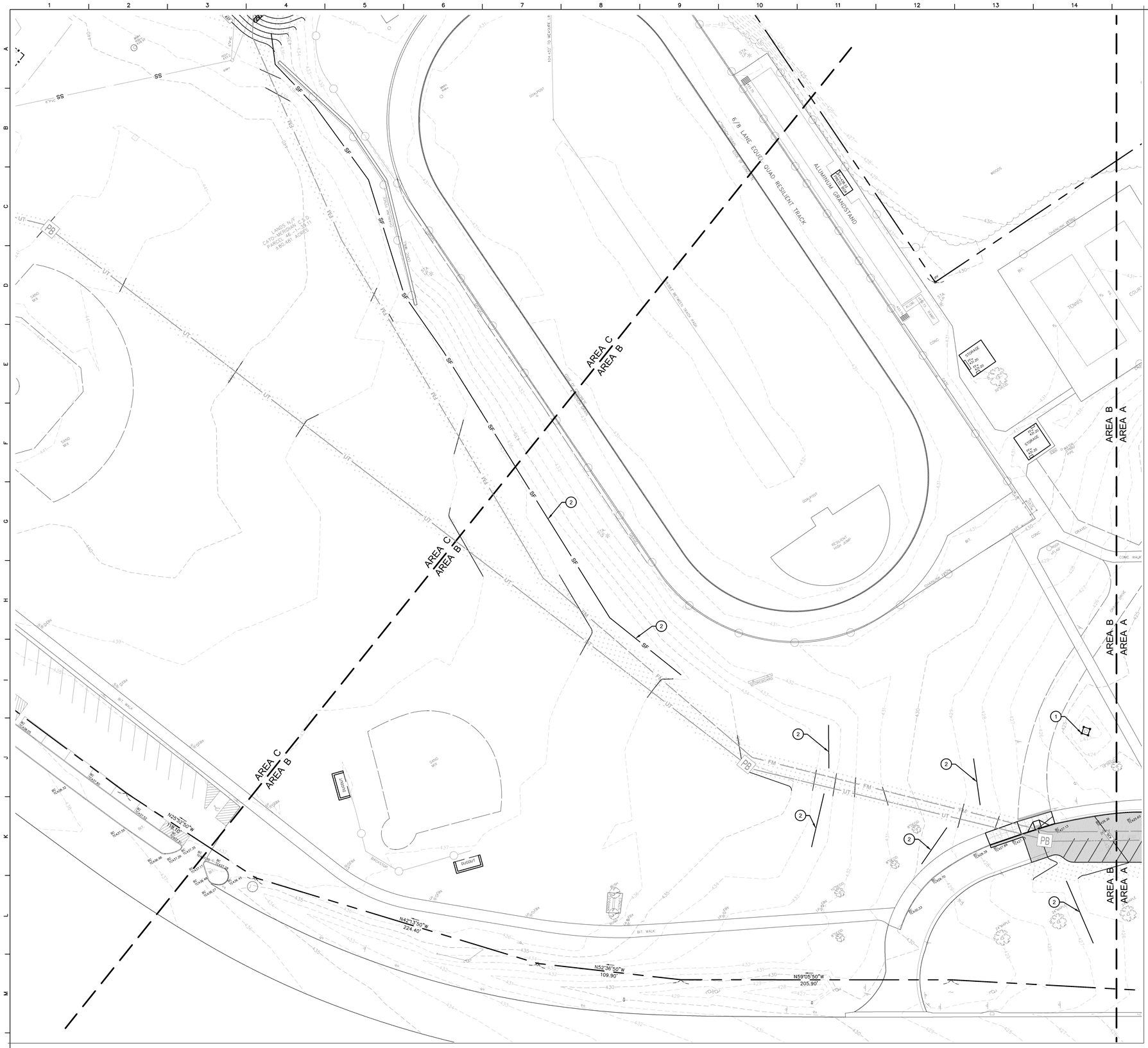
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area A
Site Soil Erosion and Sediment Control Plan - System No. 3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC110

Project No.: 374866-23001.1



1 Site Soil Erosion and Sediment Control Plan - Area B
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO BC-SERIES DRAWINGS.

Site Erosion and Sediment Control Notes

1. REFER TO DRAWING BC110 FOR GENERAL SITE EROSION AND SEDIMENT CONTROL NOTES.

Soil Erosion & Sediment Contol Key Notes

1. PROVIDE INLET PROTECTION IN LAWN, TYPICAL. SEE DETAIL 2 / ZC500.
2. PROVIDE SILT FENCE, TYPICAL. SEE DETAIL 1 / ZC500.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
	INLET PROTECTION IN LAWN
SF	SILT FENCE

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

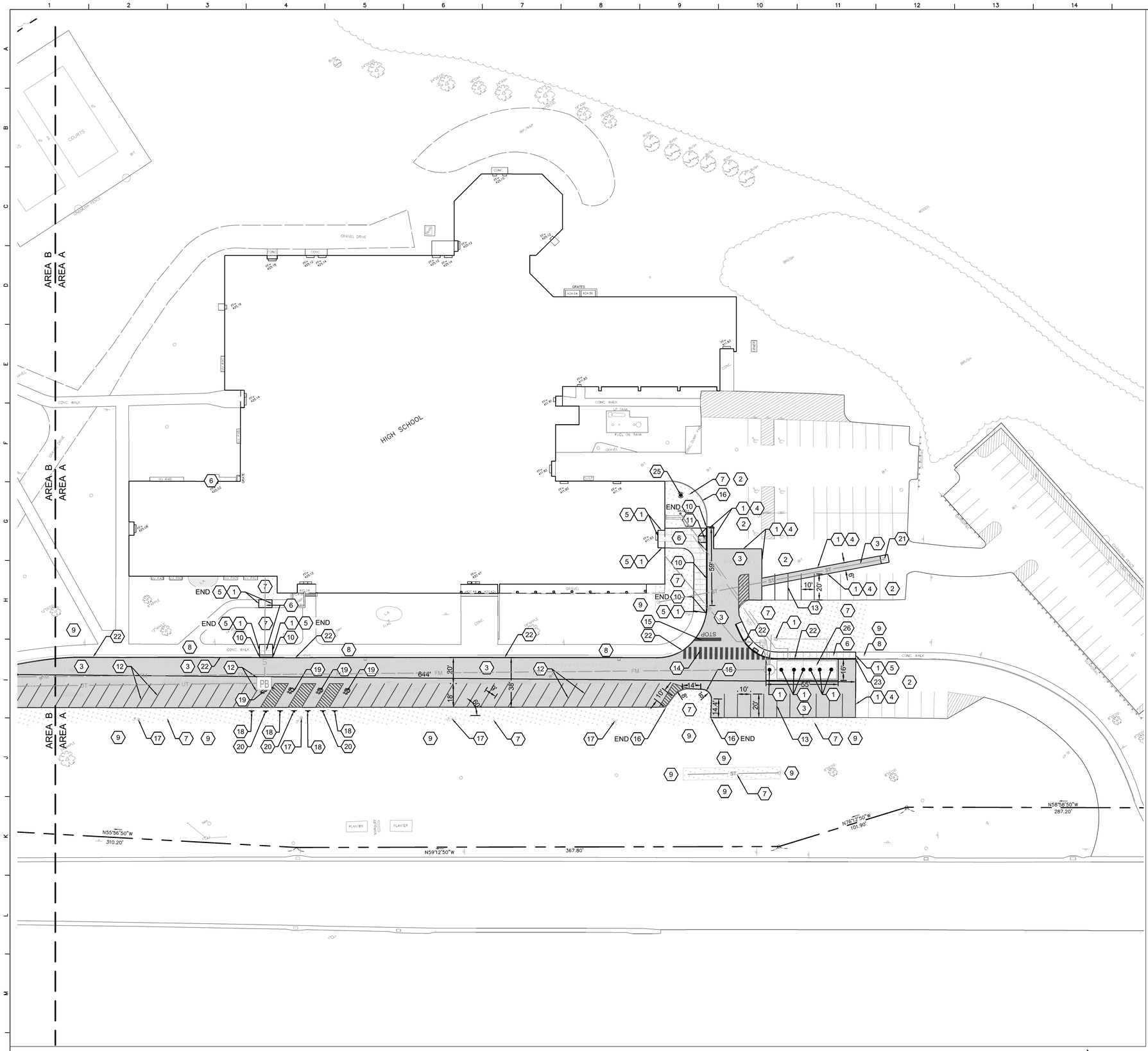
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area B
Site Soil Erosion and Sediment Control Plan - System No. 3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC111

Project No.: 374866-23001.1



1 Site Layout Plan - Area A
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Layout Keynotes

1. SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.
2. EXISTING ASPHALT PAVEMENT, PROTECT.
3. HEAVY DUTY ASPHALT PAVING. SEE DETAIL 5 / ZC500.
4. NEW ASPHALT PAVING AT EXISTING ASPHALT (TYPICAL). SEE DETAIL 6 / ZC500.
5. NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK. SEE DETAIL 8 / ZC500.
6. CONCRETE SIDEWALK. SEE DETAILS 7 AND 14 / ZC500.
7. SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.
8. EXISTING CONCRETE SIDEWALK, PROTECT.
9. EXISTING LAWN AREA, PROTECT.
10. GRANITE CURB AT NEW CONCRETE SIDEWALK. SEE DETAIL 4 / ZC506.
11. ACCESSIBLE CURB RAMP SECTION AT GRANITE CURB. SEE DETAIL 3 AND 11 / ZC500.
12. TRAFFIC STRIPING AND PARKING STALL STRIPING 60°AS INDICATED, SEE DETAIL 5 / ZC506.
13. TRAFFIC STRIPING AND PARKING STALL STRIPING AS INDICATED, SEE DETAIL 16 / ZC500.
14. CROSSWALK - PAINTED. SEE DETAIL 17 / ZC500.
15. "STOP" BAR WITH TEXT - PAINTED, SEE DETAIL 18 / ZC500.
16. GRANITE CURB AT LAWN. SEE DETAIL 3 / ZC506.
17. EXISTING LIGHT POLE, PROTECT.
18. ACCESSIBLE PARKING SIGN AND POST IN LAWN, SEE DETAILS 7, 8 AND 10 / ZC506.
19. ACCESSIBLE SYMBOLS WHERE INDICATED AND PARKING STALL STRIPING, SEE DETAIL 16 / ZC500.
20. "NO PARKING" SIGN (TYPE "D") AND POST IN LAWN, SEE DETAILS 7, 8 AND 10 / ZC506.
21. CONCRETE APRON AROUND EXISTING / NEW STORM INLET IN ASPHALT PAVEMENT (TYPICAL). SEE DETAIL 6 / ZC506.
22. EXISTING GRANITE CURB, PROTECT.
23. NEW GRANITE CURB AT WALK. SEE DETAIL 4 / ZC506.
24. SANITARY STRUCTURE AND MANHOLES. SEE SHEET BC140.
25. STORM SEWER STRUCTURES. SEE SHEET BC140.
26. CONCRETE PAD. SEE DETAILS 14 / ZC500 AND 12 / ZC507.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

Site Layout Notes

1. LAYOUT DIMENSIONS GIVEN ARE FROM FACE OF BUILDING (FOB), FACE OF CURB (F.O.C.), CENTER LINE (CL) AND EDGE OF PAVEMENTS UNLESS OTHERWISE NOTED.
2. OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
3. PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
4. VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
5. AT EDGE OF NEW PAVING MEETING LAWN: ADD TOPSOIL ALONG EDGE OF NEW PAVING TO BRING ADJACENT GRADE FLUSH WITH EDGE OF NEW PAVING AT MAXIMUM 3% SLOPE. CUT NEAT LINE IN EXISTING LAWN AT NEW TOPSOIL LIMIT LINE. REFER TO PROJECT MANUAL SIDEWALK AND ASPHALT PAVEMENT SECTIONS FOR ADDITIONAL REQUIREMENTS.
6. SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.

Site Layout Legend

	CONCRETE PAVING
	ASPHALT PAVING - HEAVY DUTY
	TOPSOIL, LAWN SEEDING & MULCHING
	CONCRETE CURB
	CONCRETE WALK

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

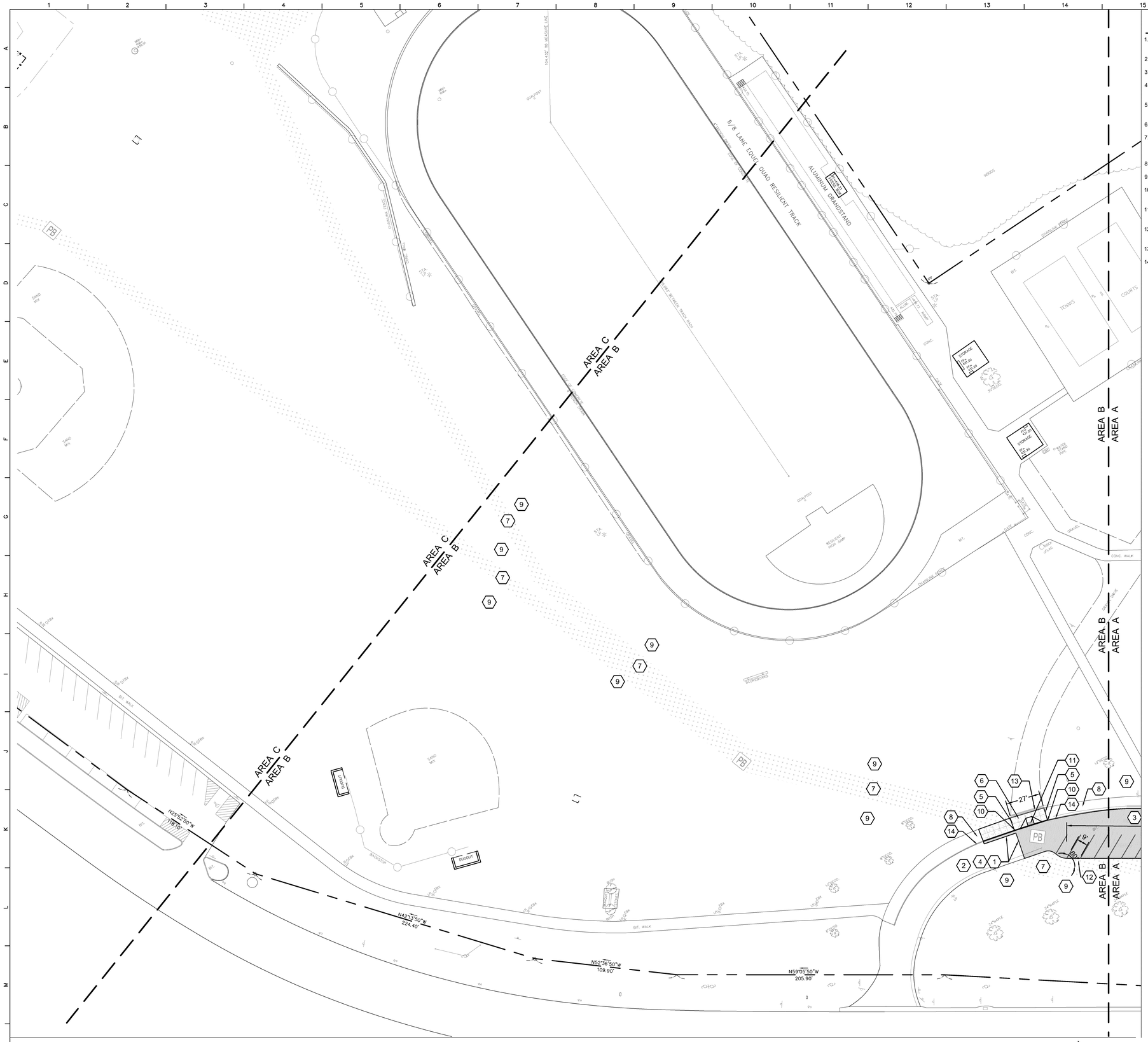
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area - A
Site Layout Plan - System No. 3

Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	BC120

Project No.: 374866-23001.1



1 Site Layout Plan - Area B
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Layout Keynotes

1. SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.
2. EXISTING ASPHALT PAVEMENT, PROTECT.
3. HEAVY DUTY ASPHALT PAVING. SEE DETAIL 5 / ZC500.
4. NEW ASPHALT PAVING AT EXISTING ASPHALT (TYPICAL). SEE DETAIL 6 / ZC500.
5. NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK. SEE DETAIL 8 / ZC500.
6. CONCRETE SIDEWALK. SEE DETAILS 7 AND 14 / ZC500.
7. SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.
8. EXISTING CONCRETE SIDEWALK, PROTECT.
9. EXISTING LAWN AREA, PROTECT.
10. GRANITE CURB AT NEW CONCRETE SIDEWALK. SEE DETAIL 4 / ZC506.
11. ACCESSIBLE CURB RAMP SECTION AT GRANITE CURB. SEE DETAIL 3 AND 11 / ZC500.
12. TRAFFIC STRIPING AND PARKING STALL STRIPING 60°AS INDICATED, SEE DETAIL 5 / ZC506.
13. AGGREGATE PAVING. SEE DETAIL 1 / ZC506.
14. EXISTING GRANITE CURB, PROTECT.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

Site Layout Notes

1. LAYOUT DIMENSIONS GIVEN ARE FROM FACE OF BUILDING (FOB), FACE OF CURB (F.O.C.), CENTER LINE (CL) AND EDGE OF PAVEMENTS UNLESS OTHERWISE NOTED.
2. OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
3. PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
4. VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
5. AT EDGE OF NEW PAVING MEETING LAWN: ADD TOPSOIL ALONG EDGE OF NEW PAVING TO BRING ADJACENT GRADE FLUSH WITH EDGE OF NEW PAVING AT MAXIMUM 3% SLOPE. CUT NEAT LINE IN EXISTING LAWN AT NEW TOPSOIL LIMIT LINE. REFER TO PROJECT MANUAL SIDEWALK AND ASPHALT PAVEMENT SECTIONS FOR ADDITIONAL REQUIREMENTS.
6. SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.

Site Layout Legend

	CONCRETE PAVING
	ASPHALT PAVING - HEAVY DUTY
	TOPSOIL, LAWN SEEDING & MULCHING
	CONCRETE CURB
	CONCRETE WALK
	INFIELD MIX

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

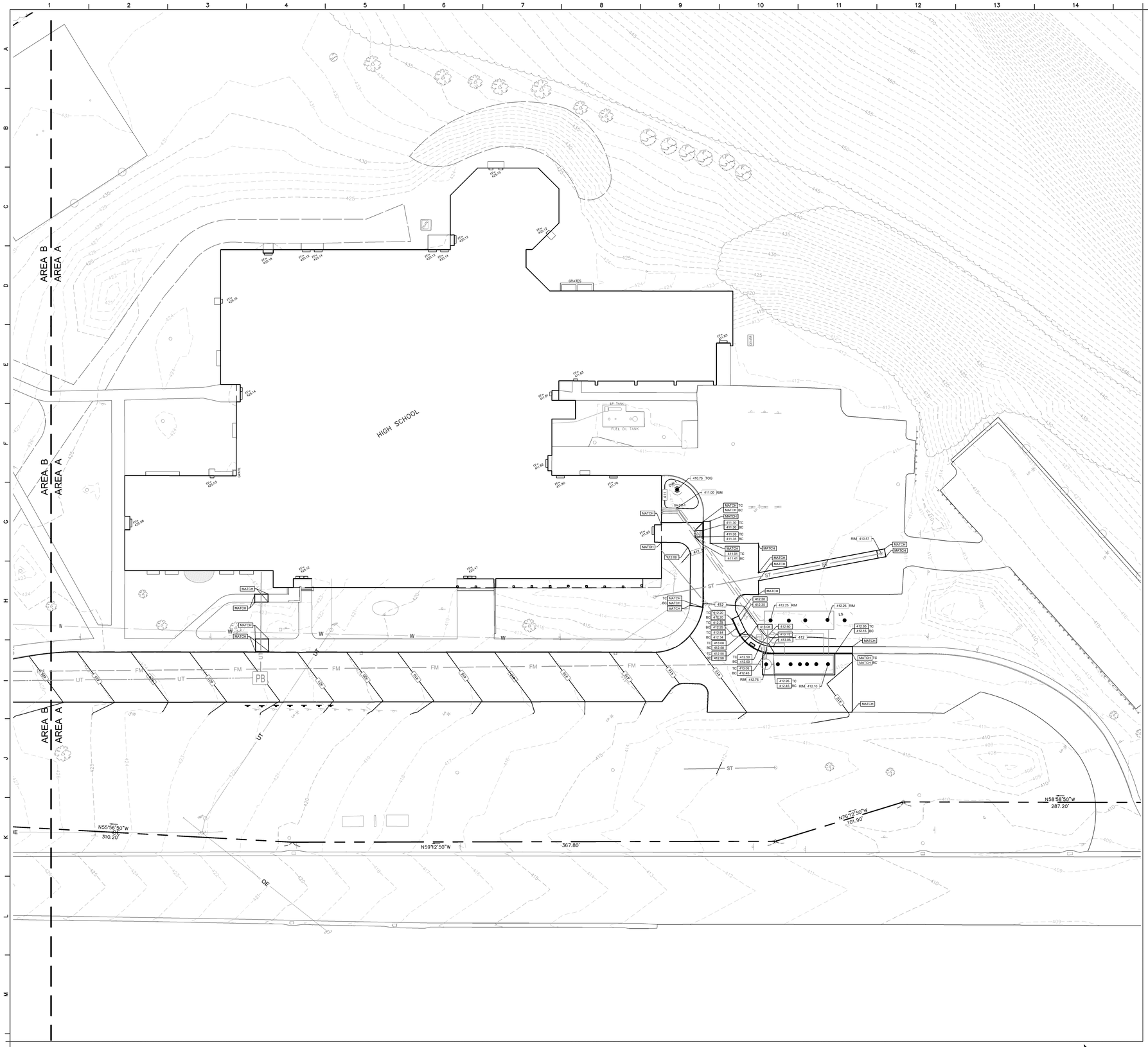
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Areas - B
Site Layout Plan - System No. 3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC121

Project No.: 374866-23001.1



1 Site Grading Plan - Area A
1" = 20'

SCALE: 1" = 30'

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

General Grading Plan Notes

1. ALL FILL MATERIALS, INCLUDING ON-SITE MATERIALS, ARE TO BE SUBMITTED FOR ARCHITECT APPROVAL BEFORE PLACEMENT. REFER TO EARTH MOVING SPECIFICATION FOR REQUIREMENTS.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. EXCESS MATERIAL CUT FROM THE SITE (WITH THE EXCEPTION OF TOPSOIL) SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF PER THE PROJECT MANUAL.
4. OWNER'S GEOTECHNICAL ENGINEER TO BE PRESENT FOR ALL FILL AND COMPACTION OPERATIONS, INCLUDING TRENCHES AND STORMWATER STRUCTURES. REFER TO EARTH MOVING SPECIFICATION FOR GEOTECHNICAL TESTING REQUIREMENTS.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR NATURAL AND PAVED AREAS.
6. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6-INCHES CONTINUOUS SETTLED DEPTH OVER AREAS OF THE SITE WHERE EARTH HAS BEEN DISTURBED, EXCEPT WHERE BUILDING OR PAVING IS PROPOSED.
7. DISTURBED AREAS THAT ARE NOT RECEIVING PAVEMENT SHALL BE FINE GRADED, SEEDED OR SODDED, FERTILIZED AND MULCHED AS PER THE PROJECT MANUAL.
8. AFTER FINE GRADING IS COMPLETED, INFORM THE OWNER AND A/E SO THAT AN INSPECTION OF THE FINE GRADING CAN TAKE PLACE BEFORE SEEDING IS BEGUN. IF INSPECTION DOES NOT TAKE PLACE, APPROVAL OF LAWN MAY BE DELAYED OR DENIED.
9. PROVIDE GRADE ADJUSTING RINGS OR SHIMS AT DROP-INLETS, CATCH BASINS AND MANHOLES IN AREAS SCHEDULED FOR REPAVING OR REGRADING TO BRING RIMS UP TO LEVEL OF NEW FINISHED GRADE.
10. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1-FOOT INTERVALS.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS.
12. IF APPLICABLE, THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NEW YORK STATE S.P.D.E.S. PERMIT AND PROJECT S.W.P.P.P. FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

ADA Site Notes

1. THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
2. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
3. THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
5. GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

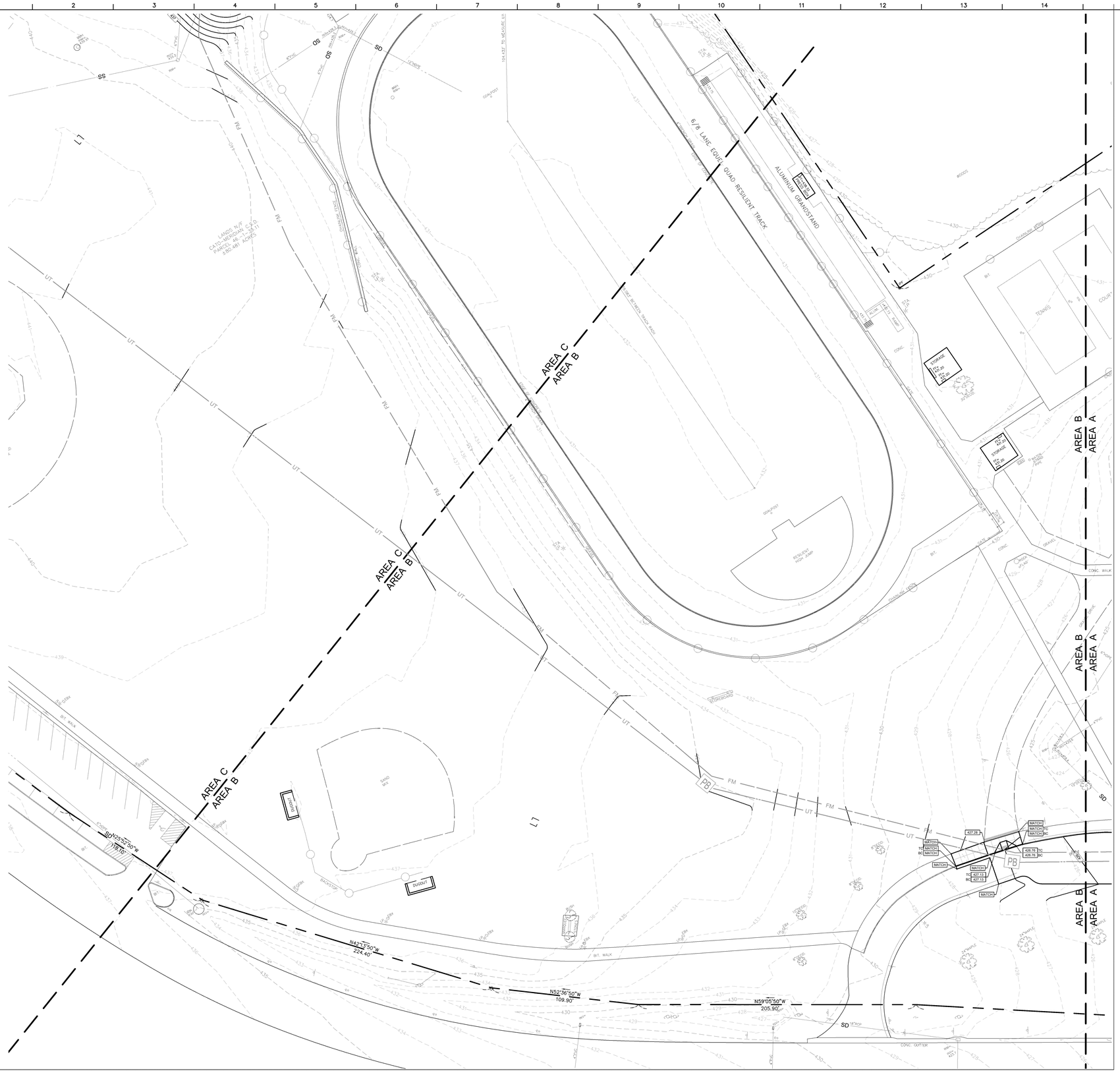
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area - A
Site Grading Plan - System No. 3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC130

Project No.: 374866-23001.1



1 Site Grading Plan - Area B
1" = 20'

0 15' 30' 60'
SCALE: 1" = 30'

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

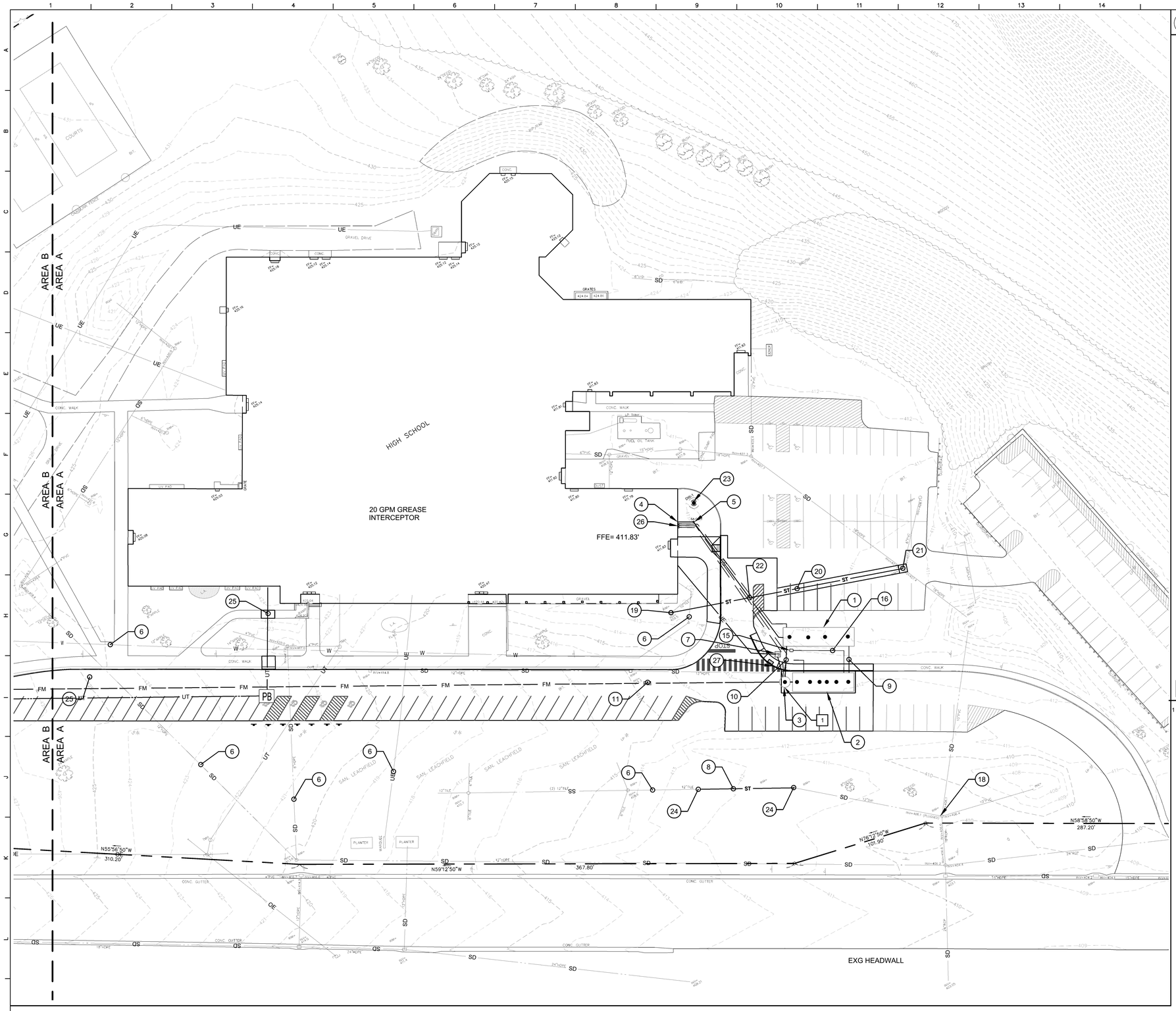
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area - B
Site Grading Plan - System No.3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC131

Project No.:
374866-23001.1



I Site Utility Plan - Area A
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Utility and Drainage Keynotes

1. 23,000 GALLON SEPTIC TANK SEE DETAIL 5 / ZC504
   RIM= 412.00'
   8-IN INVERT IN= 403.00'
   2-IN RECIRCULATION IN= 403.00'
   INVERT OUT= 402.75'
2. 20,000 GALLON SEPTIC TANK. SEE DETAIL XX/ZC50X
   RIM=
   8-IN INVERT IN=
   2-IN INVERT OUT=
   INVERT OUT=
3. 8-FT DIAMETER SANITARY LIFT STATION SEE DETAIL 1 / ZC504
   RIM= 411.50'
   INVERT IN= 402.70'
   INVERT OUT= 407.63'
   2-IN RECIRCULATION OUT= 407.63'
4. 8-IN SANITARY PIPING EXITING BUILDING. SEE DETAIL 15 / ZC500.
   INVERT OUT= 404.49' (VIF)
5. GRADE CLEANOUT SEE 12 / ZC500
   8" INV. = 404.37'
6. EXISTING UTILITY TO REMAIN.
7. PULL BOX. SEE DETAIL 11 / ZC506.
8. PROVIDE 12-IN HDPE STORM PIPING CONNECTION TO OUTFALL POINT OF CONNECTION. REPLACE 12-IN TILE PIPE WITH HDPE AS REQUIRED. CONNECT HDPE STORM PIPE TO EXISTING TILE PIPE WITH FERNCO COUPLINGS. INV=407.65' ±
9. XX LF 8-IN SANITARY PIPING AT MINIMUM 1% SLOPE.
   SEE DETAIL 15/ZC500
10. xx LF 4-IN SANITARY FORCE MAIN
    SEE DETAIL 15 / ZC500.
11. xx LF 4-IN SANITARY FORCE MAIN CONTINUED ON BC141
    SEE DETAIL 15 / ZC500.
12. XX LF 4-IN VENT FROM SEPTIC TANK.
13. XX LF 4-IN VENT FROM LIFT STATION.
14. XX LF 4-IN VENT FROM ENHANCED TREATMENT UNIT.
15. COMPRESSED AIR BLOWER. SEE DETAIL XX/ ZC50X.
16. XX LF 1-IN COMPRESSED AIR LINE. SEE DETAIL XX/ ZC50X.
17. REPLACE CURB SEE DETAIL 4 / ZC506.
18. CLEAN AND REMOVE SEDIMENT AND DEBRIS FROM EXISTING STORM STRUCTURE AND PIPE TO EXISTING HEADWALL.
19. EXISTING STORM MANHOLE (EXDS-1).
    TOP OF GRATE = EX. 422.82.
    10" INVERT IN = 409.50.
    12" INVERT OUT = 409.50.
20. PROVIDE 175 LF 10-INCH SDR 21 STORM PIPING (DP-1) AT 0.857% SLOPE. SEE DETAIL 15 / ZC500.
21. EXISTING STORM MANHOLE (EXDS-2).
    TOP OF GRATE = EX. 410.57.
    6" INVERT IN = 407.80
    NEW 10" INVERT IN = 408.00 **
    EX.18" INVERT IN = 407.50.
    EX.18" INVERT OUT = 407.40
    ** (CORE AND SEAL PIPE INSTALLATION. SEE DETAIL 19 / ZC500
22. CROSSING AT SANITARY LINE. CALCULATED TOP OF 8" SANITARY PIPE AT CROSSING = 404.34'+/- *(ASSUMES 4.5-FT OF COVER)*. INVERT OF 10" STORM LINE AT CROSSING = 409.00' +/- SEE DETAIL 13 / ZC500.
23. PROVIDE PRECAST CONCRETE 8-FT DIA. DRYWELL (DW-1). SEE DETAIL 20 / ZC500.
    TOP OF GRATE = 410.75.
    INVERT IN = 404.75.
24. POC - POINT OF CONNECTION.
25. PROVIDE FIBER OPTIC CABLE. SEE DETAIL 15 / ZC500.
26. (3) 4-IN VENT UP ON WALL TERMINATE MINIMUM 12-IN ABOVE ROOF.
27. PATCH SIDEWALK. SEE DETAIL 8/ ZC500.

Site Electrical Keynotes

1 PROVIDE 30A-3P BREAKER IN SWITCHBOARD SDP IN BOILER ROOM 013. CONNECT TO LIFT STATION CONTROL PANEL WITH (3) #8, #10G IN MIN 1"C FROM BREAKER.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

General Utility Plan Notes

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. SEE PROJECT MANUAL FOR BACKFILLING AND COMPACTION REQUIREMENTS FOR UTILITY TRENCHES.
3. PLACE AND COMPACT FILL MATERIAL BEFORE INSTALLATION OF PROPOSED UTILITIES.
4. MAINTAIN MINIMUM DISTANCE OF 10 FEET (PARALLEL) OR 18 INCHES WHEN CROSSING VERTICALLY (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE. BETWEEN ALL WATER AND OTHER UTILITIES
5. INSTALL, INSPECT AND APPROVE UNDERGROUND LINES BEFORE BACKFILLING.
6. RAISE TOPS OF EXISTING MANHOLES, DRAINAGE INLETS, HYDRANTS AND WATER LINE VALVE BOXES AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
7. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
8. VERIFY EXISTING UTILITIES IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
9. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. REFER TO PROJECT MANUAL REGARDING COORDINATION WITH UTILITY COMPANIES BEFORE ANY EXCAVATION REGARDING FIELD LOCATION OF UTILITIES.
10. CONDUCT REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
11. COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION, INCLUDING BUT NOT LIMITED TO ACCESS AND EGRESS FROM EXCAVATION AND TRENCHING. COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
12. TREAT WATER TO REMOVE SEDIMENT, OILS, OR OTHER POLLUTANTS IN CASE OF DEWATERING/ PUMPING WATER FROM ANY CONSTRUCTION WORK, PROCESS OR AREA PRIOR TO RELEASING DOWN STREAM OR INTO STORM SYSTEMS.

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area - A
Site Utility Plan - System No.3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC140

Project No.: 374866-23001.1

1 Site Utility Plan - Area B
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Utility and Drainage Keynotes

1. CROSSING AT EXISTING WATER LINE. CALCULATED TOP OF WATER PIPE AT CROSSING = 435.50' +/- *(ASSUMES 4.5-FT OF COVER)*. CALCULATED TOP OF SS SANITARY LINE AT CROSSING = 437.40' +/-. SEE DETAIL 13 / ZC500
2. CROSSING AT EXISTING WATER LINE. CALCULATED TOP OF WATER PIPE AT CROSSING = XXX +/- *(ASSUMES 4.5-FT OF COVER)*. CALCULATED TOP OF SS SANITARY LINE AT CROSSING = XXX +/-. SEE DETAIL 13 / ZC500.
3. XX LF 3-IN SANITARY FORCE MAIN CONTINUED ON AC140 AND BC140. SEE DETAIL XX/ ZC500.
4. EXISTING UTILITY PROTECT.

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

General Utility Plan Notes

1. REFER TO DRAWING BC140 FOR GENERAL SITE UTILITY NOTES.

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

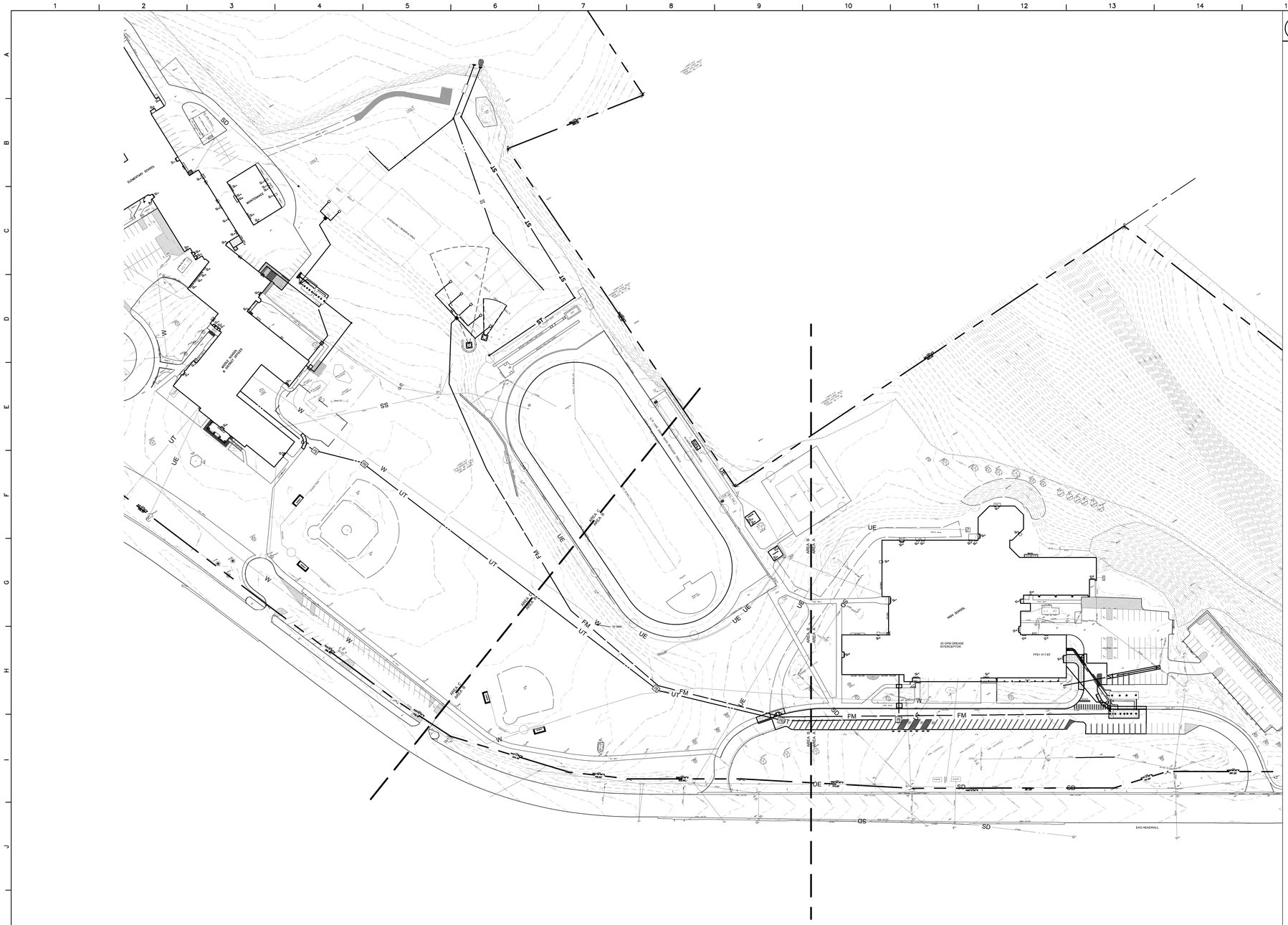
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Area B
Site Utility Plan - System No.3

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC141

Project No.: 374866-23001.1



1 Site Utility Plan - Area B
1" = 80'

0 40' 80' 160'
SCALE: 1" = 80'

Communications Keynotes

General Site Notes

1. REFER TO DRAWING BC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL BC-SERIES DRAWINGS.

General Utility Plan Notes

1. REFER TO DRAWING BC140 FOR GENERAL SITE UTILITY NOTES.

S.E.D. Control No. 05-04-01-04-0-004-025

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

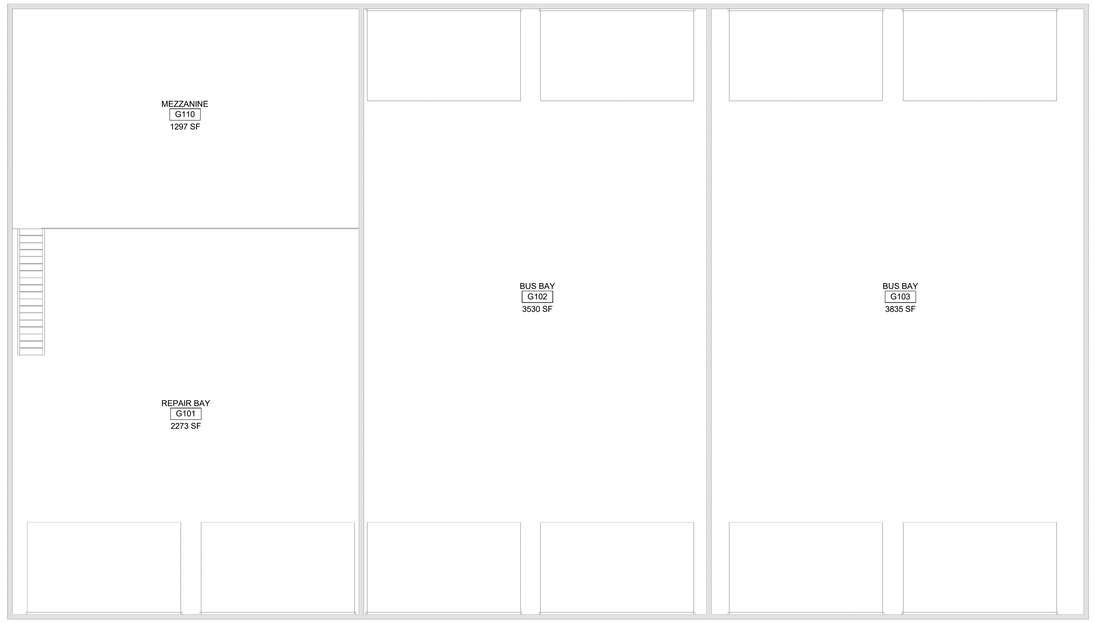
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Junior-Senior High School

Areas A, B and C
Site Utility Plan - System No. 3
Fiber Optic Plan

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	BC142

Project No.:
374866-23001.1



2 Second Floor - Code Compliance
1/8" = 1'-0"

1 First Floor - Code Compliance
1/8" = 1'-0"

Code Compliance Review

PROJECT LOCATION:
2851 STATE ROUTE 370, CATO, NY 13033
SITUATED ALONG MAIN ST (STATE ROUTE 370)

PROJECT DESCRIPTION:
THE PROJECT WORK IS DEFINED BY THE CONTRACT DOCUMENTS AND CONSISTS OF REPLACEMENT OF THE BUILDING'S EXISTING SEPTIC SYSTEM AND ASSOCIATED COMPONENTS IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND ENVIRONMENTAL PROTECTION AGENCY SANITARY REGULATIONS. THE PROJECT INCLUDES REMOVAL OF THE EXISTING SYSTEM AND UNSUITABLE SOILS, AND REPLACEMENT WITH: NEW SEPTIC TANK(S), LIFT STATION, PUMP(S) AND CONTROLS, FORCE MAINS/SANITARY LINES, DISTRIBUTION BOX(ES), DRAIN FIELD SYSTEM, ENHANCED TREATMENT UNIT, COMPRESSED AIR BLOWER, ULTRAVIOLET TREATMENT VAULT, MANHOLES; ASSOCIATED CONCRETE, ASPHALT, SITE GRADING, RESTORATION, AND CUT-FILL OPERATIONS; AND ELECTRICAL WORK.

APPLICABLE CODES AND STANDARDS:

BASED ON THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE INCLUDING APPLICABLE 2018 ICC CODES AND 2020 BUILDING CODES of NYS, AND ICC A117.1-2017 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES AND MPS-22.

[REFER TO PROJECT MANUAL FOR REQUIREMENTS STATED IN "NYCRR 155 REGULATIONS OF THE COMMISSIONER OF EDUCATION".]

BUILDING DATA:

BUILDING: CATO MERIDIAN JUNIOR-SENIOR HIGH SCHOOL
2851 STATE ROUTE 370
CATO, NY 12022

DESCRIPTION: TWO STORY MASONRY AND REINFORCED CONCRETE BUILDING

YEAR BUILT: 1968 (BEARDSLEY AND BEARDSLEY ARCHITECTS)
1990 (BRENNAN ARCHITECTURAL ASSOCIATES)

BUILDING AREA: GROUND 11,281 SQFT
1ST FLOOR 1,297 SQFT
TOTAL GROSS AREA= 12,578 SQFT

CODE DATA SUMMARY:

USE GROUP: U: UTILITY AND MISCELLANEOUS GROUP

CONSTRUCTION TYPE -

EXISTING: IIB

FIRE SAFETY:
NO SPRINKLER SYSTEM IS PROVIDED

WORK AREA: PROJECT INVOLVES SITEWORK AND NO BUILDING WORK.

LOCATION	AREA	% OF TOTAL
1ST FLOOR	0 SQFT	0%
2ND FLOOR	0 SQFT	0%

General Notes

A. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS.

B. TAKE FIELD MEASUREMENTS TO FIT THE WORK PROPERLY. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD.

C. REFER INCONSISTENCIES TO ARCHITECT PRIOR TO COMMENCING THE WORK IN AFFECTED AREA.

D. ITEMS ARE SHOWN DIAGRAMMATICALLY ON DRAWINGS. VERIFY SPACE REQUIREMENTS AND DIMENSIONS TO FIT THE WORK PROPERLY.

E. NOTES SHOWN ON ONE DRAWING APPLY TO ALL SIMILAR DRAWINGS.

F. DO NOT DISTURB CONSTRUCTION SUSPECTED OF CONTAINING HAZARDOUS MATERIAL. IF ENCOUNTERED, IMMEDIATELY NOTIFY ARCHITECT, AND OWNER.

Key Plan
N.T.S.

S.E.D. Control No. 05-04-01-04-5-002-010

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

INFORMATIONAL DOCUMENTS

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Bus Garage

Code Compliance Review First and Second Floor

Drawn By:	Date:	Drawing Number:
ZV	10/20/2023	CG350

Project No.:
374886-23001.1

1 Site Demolition Plan - Area C
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

N

Site Preparation/Demolition Key Notes

1. EXISTING LAWN AREA TO REMAIN - REPAIR AS REQUIRED
2. SAW CUT EXISTING ASPHALT PAVEMENT, LEAVING NEAT, SMOOTH AND STRAIGHT EDGE (TYPICAL).
3. REMOVE EXISTING ASPHALT AND SUBBASE AS NECESSARY TO ALLOW FOR REMOVAL OF ADJACENT CURB (TYPICAL).
4. EXISTING BUILDING STRUCTURE TO REMAIN. PROTECT.
5. EXISTING UTILITY TO REMAIN, PROTECT.
6. PROPOSED WORK UTILITY CROSSING LOCATION. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE (TYPICAL).
7. EXISTING ASPHALT TO REMAIN, PROTECT. (TYPICAL)
8. EXISTING CONCRETE TO REMAIN, PROTECT. (TYPICAL)
9. SAW CUT EXISTING CONCRETE SIDEWALK AT NEAREST JOINT, LEAVING A NEAT, SMOOTH, AND STRAIGHT EDGE (TYPICAL).
10. EXISTING VEGETATION TO REMAIN, PROTECT.
11. EXISTING SEPTIC TANK TO REMAIN, PROTECT.
12. STRIP, SCREEN, AND STOCKPILE TOPSOIL. STOCKPILE LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. REMOVE SUBGRADE AS REQUIRED TO MEET DESIGN GRADES AND ACCOMMODATE NEW WORK. HAND DIG IN VICINITY OF EXISTING BURIED UTILITIES TO AVOID DAMAGE (TYPICAL).
13. REMOVE EXISTING SEPTIC TANKS (QTY - 2) BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION
14. REMOVE EXISTING SANITARY DRAIN FIELD OUTFALL PIPE. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
15. REMOVE ENTIRETY OF EXISTING SANITARY DRAIN FIELD INCLUDING DISTRIBUTION PIPES, COLLECTION PIPES AND CONTAMINATED SOIL. CONTAMINATED SOIL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN AN APPROVED LOCATION.
16. REMOVE EXISTING DISTRIBUTION BOXES. BACKFILL VOIDS IN SPECIFIED LIFTS.
17. REMOVE EXISTING SANITARY STRUCTURE. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.
18. REMOVE EXISTING SANITARY PIPING. BACKFILL VOIDS IN SPECIFIED LIFTS. REFER TO PROJECT MANUAL - EARTH MOVING SECTION.

Site Preparation/Demolition General Notes

1. THESE GENERAL SITE / PREPARATION / DEMOLITION NOTES REFER TO C-SERIES DRAWINGS.
2. THE INTENT OF THIS DRAWING IS TO INDICATE PREPARATORY WORK, REMOVALS AND DEMOLITION NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE REST OF THE CONTRACT DRAWINGS. SOME NOTES ARE GENERAL IN NATURE AND IT SHALL BE UNDERSTOOD THAT IT IS NOT FEASIBLE TO INDICATE EACH AND EVERY SPECIFIC REMOVAL. SITE PREPARATION / DEMOLITION DRAWINGS SHALL NOT BE USED ALONE, BUT SHALL BE USED IN CONJUNCTION WITH THE OTHER DRAWINGS FOR WORK TO BE REMOVED, REUSED, AND / OR REVISED NOT INDICATED HERE.
3. MAINTAIN UTILITY SERVICES TO BUILDINGS. IF UTILITY SERVICES MUST BE INTERRUPTED COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO BUILDINGS. SEE PROJECT MANUAL REGARDING COORDINATION OF DEMOLITION WORK WITH UTILITY COMPANIES.
4. MAINTAIN SAFE SITE ACCESS TO PEDESTRIAN, VEHICULAR TRAFFIC, EMERGENCY AND HEALTH SAFETY AGENCIES. IF ACCESS WILL BE COMPROMISED COORDINATE AT LEAST ONE WEEK IN ADVANCE WITH THE OWNER'S REPRESENTATIVE AND HEALTH SAFETY AGENCIES, UNLESS OTHERWISE NOTED IN THE PROJECT MANUAL.
5. REMOVE UTILITIES, SIDEWALKS, PAVEMENT, SLABS, FOUNDATIONS, AND MISCELLANEOUS FEATURES. SPOIL OFF-SITE IN A LEGAL MANNER UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. NO BURNING OF DEBRIS SHALL BE ALLOWED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIAL AS SPECIFIED.
6. REMOVE SITE FEATURE, INDICATED, REMOVE THE SITE FEATURE, INCLUDING APPURTENANCES AND FOOTINGS, DISPOSE OF LEGALLY OFF SITE, UNLESS OTHERWISE INDICATED. IMMEDIATELY BACKFILL VOIDS WITH COMPACTED GRANULAR MATERIALS AS SPECIFIED.
7. PROTECT SITE FEATURE INDICATED TO REMAIN. WHEN DISTURBANCE OCCURS AROUND AN EXISTING FEATURE, USE ADDITIONAL PRECAUTIONS INCLUDING, BUT NOT LIMITED TO HAND DIGGING TO PROTECT THE FEATURE.
8. EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. PROTECT MANHOLES, CATCH BASINS, CLEAN OUTS, VALVE BOXES, FRAMES, COVERS AND GRATES REMAINING AND ADJUST TO FINAL GRADES. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
10. VERIFY GRADES AND UTILITIES SHOWN ON EXISTING CONDITIONS PLAN PRIOR TO START OF WORK. DOCUMENT DISCREPANCIES AND SUBMIT TO THE OWNER'S REPRESENTATIVE AT THE TIME OF DISCOVERY.
11. RELOCATE UTILITIES, STORM DRAINAGE, SIGNS, ETC. AS INDICATED ON DESIGN DOCUMENTS.
12. IF EXISTING SITE FEATURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, REPAIR OR REPLACE IN-KIND, TYPICAL.
13. REMOVE OR RELOCATE, WHEN APPLICABLE, ALL CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPES, POWER POLES, AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, AND ASPHALT, SHOWN AND NOT SHOWN, WITHIN CONSTRUCTION LIMITS AND WHERE NEEDED, TO ALLOW FOR NEW CONSTRUCTION AS SHOWN.
14. NOTIFY OWNERS REPRESENTATIVE IF UNIDENTIFIED UTILITIES ARE ENCOUNTERED INCLUDING, BUT NOT LIMITED TO, STORM SEWER, SANITARY SEWER, TELECOMMUNICATIONS SERVICE, ELECTRICAL SERVICE, GAS SERVICE, WATER SERVICE, IRRIGATION LINES. UTILITIES LINES TO REMAIN UNDISTURBED UNTIL DIRECTED BY OWNERS REPRESENTATIVE.
15. REQUEST UFPO PRIOR TO START OF ANY WORK. "DIG SAFELY NEW YORK - CALL 811 - BEFORE YOU DIG".

Site Phasing Notes

1. INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES BEFORE SOIL DISTURBANCE AND INSTALLATION OF OTHER TEMPORARY CONSTRUCTION FEATURES.
2. KEEP ACCESS ROADS AND CONSTRUCTION ENTRANCES CLEAR AT ALL TIMES.
3. REFER TO PROJECT MANUAL FOR PHASING INFORMATION FOR INSTALLATION OF PAVING, SIDEWALKS, CURBING AND STORM UTILITIES.
4. CONTRACTOR PARKING IS RESTRICTED TO STAGING OR DESIGNATED TEMPORARY PARKING AREAS.
5. AT STAGING AND OTHER TEMPORARY AREAS TO BE RESTORED TO LAWN: THOROUGHLY REMOVE GRAVEL, STONES, DEBRIS, VEGETATION, ETC. FROM EXISTING TOPSOIL AND SCARIFY TO A MINIMUM DEPTH OF 6". AMEND TOPSOIL WITH COMPOST AND NUTRITIONAL AMENDMENTS AND FINE GRADE, FERTILIZE AND SEED OR SOD.
6. AT STAGING AND OTHER TEMPORARY AREAS ON EXISTING PAVING: REMOVE AND REPLACE EXISTING PAVING IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
7. REMOVE PAVING THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES AND REPLACE IN ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
8. REMOVE LAWN THAT IS DAMAGED DUE TO CONSTRUCTION ACTIVITIES AND SCARIFY THE AREA. PROVIDE NEW TOPSOIL AS REQUIRED TO BRING THE AREA TO MATCH SURROUNDING GRADE. FERTILIZE AND SEED OR SOD.

General Site Notes

1. THESE GENERAL SITE NOTES APPLY TO CC-SERIES DRAWINGS.
2. REFER TO SURVEY FOR INFORMATION ON EXISTING FEATURES. IF EXISTING FEATURES ARE MISSING, MODIFIED, OBSCURED, OR THERE IS A CONFLICT BETWEEN HOW AN EXISTING FEATURE IS PORTRAYED ON THIS SHEET AND THE SURVEY, THE SURVEY SHALL GOVERN.
3. PRIOR TO CONSTRUCTION, LOCATE AND PROMINENTLY MARK THE PROPERTY LINES IN THE FIELD. PROTECT PROPERTY LINE MARKING AND MONUMENTS DURING CONSTRUCTION UNTIL FINAL ACCEPTANCE.
4. THE SURVEY(S) INCLUDED IN THESE DOCUMENTS ARE PROVIDED FOR INFORMATION ONLY AND ARE THE BASE INFORMATION USED TO PREPARE THE WORK INDICATED ON THESE DRAWINGS. THE DATA INDICATED REGARDING EXISTING CONDITIONS IS NOT INTENDED AS REPRESENTATIONS OR WARRANTIES OF THEIR ACCURACY. BY INCLUSION OF THE SURVEY(S) IN THIS SET OF DOCUMENTS, TETRA TECH AND THE OWNER DO NOT ASSUME RESPONSIBILITY FOR ACCURACY OF THE SURVEY, NOR FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY THE CONTRACTOR.
5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING FEATURES, CONDITIONS, UTILITIES, PROPERTY LINES AND TOPOGRAPHY PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES WHICH WILL AFFECT THE WORK REQUIRED AS PART OF THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY REPORTED IN WRITING TO THE ARCHITECT. COMMENCEMENT OF WORK WITHOUT THIS WRITTEN NOTIFICATION SHALL CONSTITUTE CONTRACTOR ACCEPTANCE OF THE EXISTING INFORMATION INDICATED ON THE DRAWINGS AS ACCURATE. NO ADJUSTMENTS TO THE CONTRACT WILL BE MADE FOR THE DISCREPANCIES BROUGHT TO THE OWNER'S ATTENTION AFTER WORK HAS BEGUN.
6. NO ATTEMPT HAS BEEN MADE TO SHOW ALL UNDERGROUND UTILITIES ON THIS DRAWING. CONTACT UNDERGROUND UTILITY LOCATION ORGANIZATION AND LOCAL UTILITY COMPANIES TO VERIFY THE LOCATION OF UTILITIES PRIOR TO EARTHWORK, TRENCHING OR EXCAVATION OPERATIONS.
7. CONTRACT LIMIT LINE SHALL BE TEN FEET OUTSIDE OF LIMITS OF WORK INDICATED ON THESE DRAWINGS AND NOT TO EXTEND BEYOND THE PROPERTY LINE UNLESS OTHERWISE INDICATED.
8. CONTRACTOR SHALL PROVIDE CONSTRUCTION/PROTECTIVE FENCING OR OTHER MEANS NECESSARY TO PROTECT WORK AND TO ENSURE SAFETY OF THE PUBLIC, PEDESTRIANS AND VEHICULAR TRAFFIC DURING CONSTRUCTION.
9. FOR INFORMATION REGARDING SUBSURFACE CONDITIONS AND TEST LOCATIONS, COORDINATE WITH OWNER REGARDING THE AVAILABILITY OF GEOTECHNICAL INFORMATION.
10. AT EDGE OF ALL NEW PAVING MEETING LAWN, REMOVE EXISTING TURF TO MINIMUM OF 4-FT FROM NEW PAVEMENT EDGE, UNLESS OTHERWISE NOTED. CUT NEAT REMOVAL LINE AND SCARIFY EXISTING GRADE. PROVIDE TAMPED TOPSOIL TO BRING EXISTING GRADE FLUSH WITH NEW PAVING. SLOPE LAWN AWAY FROM PAVING TO PREVENT PONDING. FINE GRADE, FERTILIZE, SEED AND MULCH IN ACCORDANCE WITH THE PROJECT MANUAL.

SITE DEMOLITION AND PREPARATION LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT SECTION AND SUBBASE AS REQUIRED
	REMOVE EXISTING CONCRETE PAVEMENT SECTION AND SUBBASE AS REQUIRED
X	REMOVE SITE FEATURE AS INDICATED IN DEMOLITION KEYNOTES (Specific Feature)
	REMOVE LINEAR FEATURE REFER TO DRAWING'S FOR TYPE
	REMOVE EXISTING LAWN AND SOIL AS REQUIRED

S.E.D. Control No. 05-04-01-04-5-002-010

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

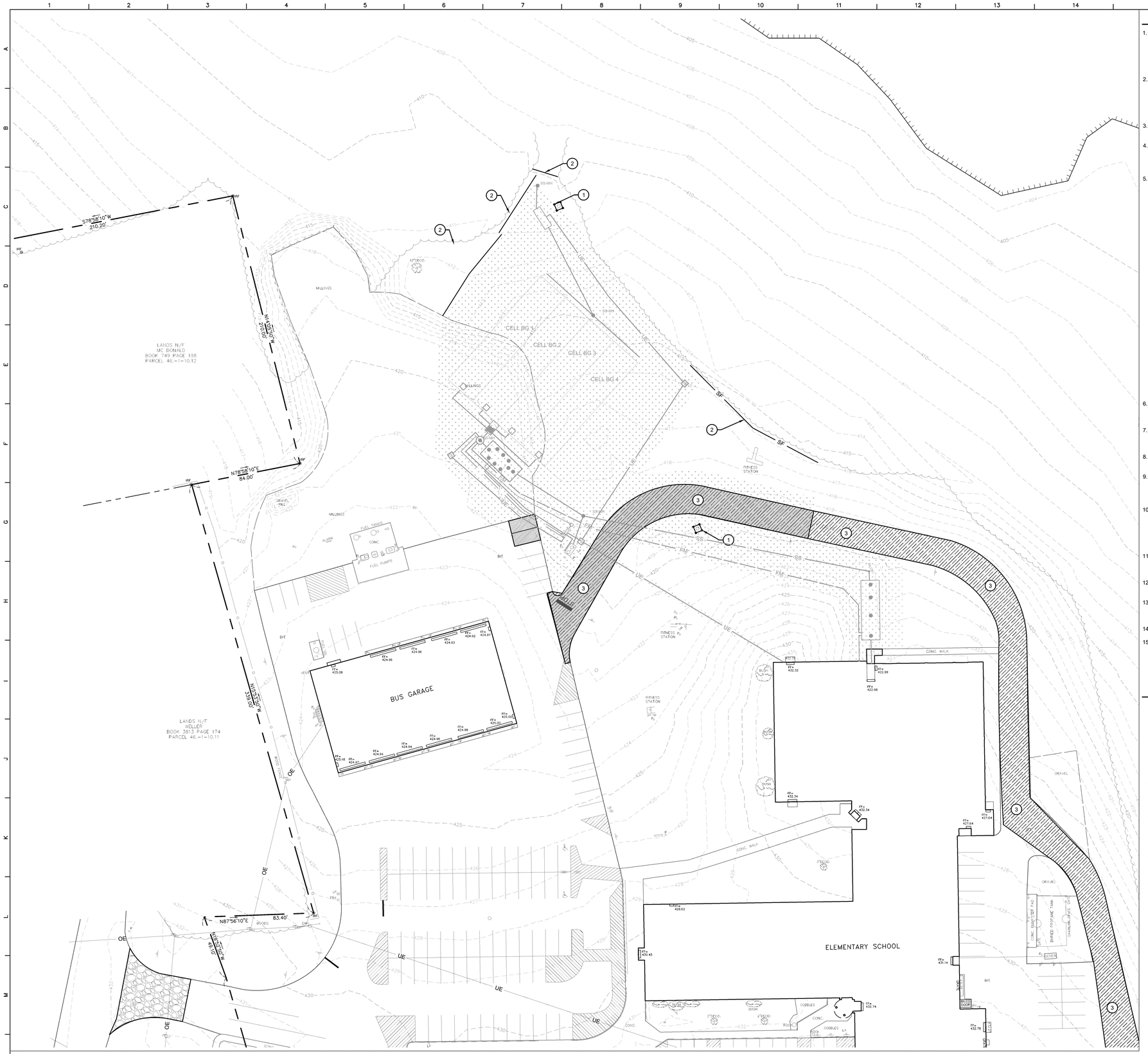
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Bus Garage

Area C
Site Demolition Plan - System No. 1

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	CC100

Project No.: 374866-23001.1



1 Site Soil Erosion and Sediment Control Plan - Area C
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Erosion and Sediment Control Notes

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SPECIFIED IN THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), LATEST EDITION, AND WILL BE INSTALLED IN PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMP. SEEDING, THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE NY STANDARDS.
3. NYS DEC REGULATIONS REQUIRE THAT DISTURBANCE BE LIMITED TO AREAS LESS THAN 5-ACRES AT ANY ONE TIME.
4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT ACCORDING TO NYS DEC STANDARDS.
5. STABILIZATION SPECIFICATIONS:

   A. SOIL AMENDMENTS:

   LIME - PROVIDE GROUND LIMESTONE TO PH OF 6.0.

   FERTILIZER - 14 LBS/1,000 S.F., 5-10-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

   B. TEMPORARY SEEDING AND MULCHING:

   SEED - ANNUAL RYEGRASS 30 LBS/ACRE; PLANT BETWEEN MARCH 1 AND MAY 15 OR BETWEEN AUGUST 15 AND OCTOBER 1. USE WINTER RYE IF SEEDING IN OCT./NOV.

   MULCH - SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 90 LBS/1,000 S.F., TO BE APPLIED ACCORDING TO THE NY STANDARDS. MULCH SHALL BE SECURED BY WOOD FIBER MULCH (HYDROMULCH) AT 11-17 LBS./1,000 S.F. WOOD FIBER MULCH MUST BE APPLIED THROUGH A HYDROSEEDER IMMEDIATELY AFTER MULCHING.

   C. PERMANENT SEEDING AND MULCHING:

   SEED - REFER TO PROJECT MANUAL SPECIFICATIONS FOR SEED TYPE, RATE OF SEEDING AND SEASON OF SEEDING. RATE AND SEED TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.

   MULCH - REFER TO PROJECT MANUAL SPECIFICATIONS FOR MULCH TYPE, RATE OF APPLICATION, ETC. RATE AND MULCH TYPE ARE TO MEET THE MINIMUM REQUIREMENTS OF THE NY STANDARDS.
6. TEMPORARY BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUN-OFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
8. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
9. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE PROTECTED BY A SILT DAM OR STRAW BALE DIKE IN ACCORDANCE WITH NY STANDARDS.
10. A CRUSHED STONE, VEHICLE WHEEL-CLEANING BLANKET WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 2" CRUSHED STONE, 6" THICK, WILL BE AT LEAST 30'X100' AND SHOULD BE UNDERLAIN WITH A SUITABLE SYNTHETIC SEDIMENT FILTER FABRIC AND MAINTAINED (SEE DETAIL).
11. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH A FABRIC FILTER CRUSHED STONE OR FABRIC FILTER (FILTER DETAILS APPEAR ON THE PLAN).
12. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
13. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT TRAP OR APPROVED AFTERMARKET PRODUCT IN ACCORDANCE WITH SECTION 5A OF THE NY STANDARDS.
14. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
15. STABILIZED CONSTRUCTION ENTRANCE AND CONSTRUCTION ACCESS AREAS TO BE RESTORED TO EXISTING CONDITIONS, LAWN RESTORATION SHALL INCLUDE REMOVAL GRANULAR FILL, GRAVEL AND STONE. SCARIFY SUBGRADE. PROVIDE TOPSOIL AND LIGHTLY COMPACT TO BE FLUSH WITH SURROUNDING GRADE. FINE GRADE, FERTILIZE, SEED AND MULCH.

Site Erosion & Sediment Control Sequence

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PAD.
2. INSTALL TEMPORARY TREE PROTECTION AT EXISTING TREES WITHIN CONSTRUCTION AREA. PRIOR TO COMMENCEMENT OF GRADING OPERATIONS,
3. INSTALL SILT FENCE, SEDIMENT TRAPS AND SEDIMENT BASINS.
4. INSTALL TEMPORARY STORM SEWER INLET PROTECTION AT ALL EXISTING DRAINAGE INLETS THAT WILL BE RECEIVING STORM DRAINAGE FROM CONSTRUCTION ACTIVITIES.
5. PREPARE CONTRACTOR ACCESS DRIVES, PARKING AND STAGING AREAS WITH TYPE 2 FILL OR OTHER SURFACING THAT WILL PREVENT EROSION OF THESE AREAS. STRIP TOPSOIL AND STOCKPILE IN LOCATION SHOWN.
6. SURROUND ALL STOCKPILES WITH SILT FENCE OR HAY BALE BARRIER. THROUGHOUT GRADING OPERATIONS,
7. PROVIDE TEMPORARY AND PERMANENT SEEDING PER SOIL EROSION AND SEDIMENT CONTROL NOTES NOS. 2, 3, & 4.
8. AFTER SLOPES ARE CUT OR FILLED, PROVIDE EROSION CONTROL MATTING AT ALL SLOPES THAT ARE THREE HORIZONTAL TO ONE VERTICAL AND STEEPER.
9. BEFORE COMMENCEMENT OF EXCAVATING FOR FOOTINGS, INSPECT SITE WITH OWNER/ARCHITECT FOR COMPLIANCE WITH SOIL EROSION AND SEDIMENT CONTROL REQUIREMENTS.
10. DURING EXCAVATION FOR FOOTINGS, TRENCHES, ETC., WHEN DEWATERING IS REQUIRED, PROVIDE MEANS TO REMOVE SEDIMENT IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE #13 THIS DRAWING.
11. AS STORM STRUCTURES ARE BEING INSTALLED, PROVIDE TEMPORARY STORM SEWER INLET PROTECTION PER DETAIL AT ALL GRATED STORM SEWER INLETS PRIOR TO CONNECTING BASINS TO NEW STORM PIPING. MAINTAIN EROSION CONTROL DEVICES IN FULLY FUNCTIONAL CONDITION THROUGHOUT CONTRACT PERIOD.
12. PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS REQUIRED TO MEET NEW YORK STANDARDS OR AS REQUIRED BY SOIL CONSERVATION DISTRICT.
13. UPON OWNER APPROVAL, REMOVE TEMPORARY SOIL & EROSION CONTROL MEASURES AFTER PERMANENT MEASURES ARE IN PLACE AND FUNCTIONING EFFECTIVELY.

General Site Notes

1. REFER TO DRAWING CC100 FOR GENERAL SITE NOTES THAT APPLY TO CC-SERIES DRAWINGS.

Soil Erosion & Sediment Contol Key Notes

1. PROVIDE INLET PROTECTION IN LAWN, TYPICAL. SEE DETAIL 2 / ZC500.
2. PROVIDE SILT FENCE, TYPICAL. SEE DETAIL 1 / ZC500.
3. CONSTRUCTION ACCESS ROAD. SEE DETAIL 3 / ZC506.

SOIL EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
	INLET PROTECTION IN LAWN
SF	SILT FENCE

S.E.D. Control No. 05-04-01-04-5-002-010

Rev. No.:	Date:	Description:

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Bus Garage

Area C
Site Soil Erosion and Sediment Control Plan - System No. 1

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	CC110

Project No.: 374866-23001.1

1 Site Layout Plan - Area C
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

N

Site Layout Keynotes

1 SMOOTH TRANSITION FROM PROPOSED SURFACE TO ADJACENT EXISTING SURFACE, TYPICAL.

2 EXISTING ASPHALT PAVEMENT, PROTECT.

3 HEAVY DUTY ASPHALT PAVING. SEE DETAIL 5 / ZC500.

4 NEW ASPHALT PAVING AT EXISTING ASPHALT (TYPICAL). SEE DETAIL 6 / ZC500.

5 NEW CONCRETE SIDEWALK AT EXISTING CONCRETE SIDEWALK. SEE DETAIL 8 / ZC500.

6 CONCRETE SIDEWALK. SEE DETAILS 7 AND 14 / ZC500.

7 SEEDED AREA - PROVIDE 6-INCHES OF AMENDED TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH. LEAVE NEAT SMOOTH EDGE, TYPICAL.

8 TRAFFIC STRIPING AND PARKING STALL STRIPING AS INDICATED, SEE DETAIL 16 / ZC500. CONCRETE SIDEWALK, PROTECT.

9 EXISTING LAWN AREA, PROTECT.

10 EXISTING VEGETATION, PROTECT.

11 AUTO DUTY ASPHALT PAVING. SEE DETAIL 4 / ZC500.

General Site Notes

1. REFER TO DRAWING CC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL CC-SERIES DRAWINGS.

Site Layout Notes

1. LAYOUT DIMENSIONS GIVEN ARE FROM FACE OF BUILDING (FOB), FACE OF CURB (F.O.C.), CENTER LINE (CL) AND EDGE OF PAVEMENTS UNLESS OTHERWISE NOTED.
2. OBJECTS ARE PARALLEL OR PERPENDICULAR TO EACH OTHER UNLESS OTHERWISE NOTED.
3. PAINTED TRAFFIC MARKINGS AND TRAFFIC SIGNS TO COMPLY WITH THE LATEST EDITION OF THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL REQUIREMENTS.
4. VERIFY DIMENSIONS IN FIELD WITH OWNER'S REPRESENTATIVE ANY DIMENSIONS NOTED AS "V.I.F."
5. AT EDGE OF NEW PAVING MEETING LAWN: ADD TOPSOIL ALONG EDGE OF NEW PAVING TO BRING ADJACENT GRADE FLUSH WITH EDGE OF NEW PAVING AT MAXIMUM 3% SLOPE. CUT NEAT LINE IN EXISTING LAWN AT NEW TOPSOIL LIMIT LINE. REFER TO PROJECT MANUAL SIDEWALK AND ASPHALT PAVEMENT SECTIONS FOR ADDITIONAL REQUIREMENTS.
6. SCORE CONCRETE SIDEWALKS AT 5-FT SQUARE UNLESS OTHERWISE NOTED.

Site Layout Legend	
	CONCRETE PAVING
	ASPHALT PAVING - HEAVY DUTY
	ASPHALT PAVING - AUTO DUTY
	CONCRETE WALK
	TOPSOIL, LAWN SEEDING & MULCHING

S.E.D. Control No. 05-04-01-04-5-002-010

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Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Bus Garage

Area C
Site Layout Plan - System No. 1

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	CC120

Project No.: 374866-23001.1

1 Site Grading Plan - Area C
1" = 30'

SCALE: 1" = 30'

General Site Notes

1. REFER TO DRAWING CC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL CC-SERIES DRAWINGS.

General Grading Plan Notes

1. ALL FILL MATERIALS, INCLUDING ON-SITE MATERIALS, ARE TO BE SUBMITTED FOR ARCHITECT APPROVAL BEFORE PLACEMENT. REFER TO EARTH MOVING SPECIFICATION FOR REQUIREMENTS.
2. ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
3. EXCESS MATERIAL CUT FROM THE SITE (WITH THE EXCEPTION OF TOPSOIL) SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF PER THE PROJECT MANUAL.
4. OWNER'S GEOTECHNICAL ENGINEER TO BE PRESENT FOR ALL FILL AND COMPACTION OPERATIONS, INCLUDING TRENCHES AND STORMWATER STRUCTURES. REFER TO EARTH MOVING SPECIFICATION FOR GEOTECHNICAL TESTING REQUIREMENTS.
5. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR NATURAL AND PAVED AREAS.
6. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6-INCHES CONTINUOUS SETTLED DEPTH OVER AREAS OF THE SITE WHERE EARTH HAS BEEN DISTURBED, EXCEPT WHERE BUILDING OR PAVING IS PROPOSED.
7. DISTURBED AREAS THAT ARE NOT RECEIVING PAVEMENT SHALL BE FINE GRADED, SEEDED OR SODDED, FERTILIZED AND MULCHED AS PER THE PROJECT MANUAL.
8. AFTER FINE GRADING IS COMPLETED, INFORM THE OWNER AND A/E SO THAT AN INSPECTION OF THE FINE GRADING CAN TAKE PLACE BEFORE SEEDING IS BEGUN. IF INSPECTION DOES NOT TAKE PLACE, APPROVAL OF LAWN MAY BE DELAYED OR DENIED.
9. PROVIDE GRADE ADJUSTING RINGS OR SHIMS AT DROP-INLETS, CATCH BASINS AND MANHOLES IN AREAS SCHEDULED FOR REPAVING OR REGRADING TO BRING RIMS UP TO LEVEL OF NEW FINISHED GRADE.
10. EXISTING AND PROPOSED GRADE CONTOUR INTERVALS SHOWN AT 1-FOOT INTERVALS.
11. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING LIDS.
12. IF APPLICABLE, THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL NEW YORK STATE S.P.D.E.S. PERMIT AND PROJECT S.W.P.P.P. FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
13. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.

GRADING KEY	
+	SPOT ELEVATION
MATCH	MATCH EXISTING GRADE
RIM	TOP OF SOLID COVER

ADA Site Notes

1. THE MAXIMUM SLOPE OF ACCESSIBLE PARKING STALLS AND ASSOCIATED ACCESS AISLE SHALL BE 2% (1V:50H).
2. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE PATHS SHALL BE 5% (1V:20H).
3. THE MAXIMUM CROSS SLOPE ON ACCESSIBLE PATHS SHALL BE 2% (1V:50H).
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL ON ACCESSIBLE RAMPS AND CURB RAMPS SHALL BE 8.33% (1V:12H), AS INDICATED ON THE DETAILS.
5. GROUND SURFACES ON ACCESSIBLE PATHS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.

S.E.D. Control No. 05-04-01-04-5-002-010

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TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Bus Garage

Area C
Site Grading Plan - System No, 1

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	CC130

Project No.: 374866-23001.1

1 Site Utility Plan - Area C
1" = 30'

0 15' 30' 60'
SCALE: 1" = 30'

Site Utility and Drainage Keynotes

1. 18,000 GALLON SEPTIC TANK SEE DETAIL 4 / ZC501
   RIM= 422.65'
   INVERT IN= 419.00'
   ENHANCED TREATMENT RETURN INVERT IN= 419.00'
   INVERT OUT= 418.75'
2. ENHANCED TREATMENT UNIT SEE DETAIL 2 / ZC501
   RIM = 419.75'
   INVERT IN= 415.70'
   INVERT OUT= 415.40'
3. 6 -FT DIAMETER SANITARY LIFT STATION SEE DETAIL 1 / ZC501
   RIM= 419.75'
   INVERT IN= 415.40'
   INVERT OUT= 415.15'
   (2) 2" RECIRCULATION OUT INV= 415.10'
4. DISTRIBUTION BOX SEE DETAIL 1 / ZC502.
5. VALVE BOX SEE DETAIL 4 / ZC502.
   RIM= 4419.65'
   INVERT IN= 412.75
6. ULTRAVIOLET LIGHT VAULT SEE DETAIL 3 / ZC502.
   RIM= 410.14'
   INVERT IN= 408.50'
   INVERT OUT= 408.20'
7. SANITARY MANHOLE AT COLLECTOR NETWORK OUTFALL.
   SEE DETAIL 19 / ZC500.
   RIM= 412.35'
   INVERT IN= 412.00'
   INVERT IN= 412.00'
   INVERT OUT= 411.75'
8. PROVIDE ELECTRICAL CONNECTIONS TO LIFT STATION AND COMPRESSED AIR BLOWER FROM NEW BREAKERS IN EXISTING PANELS AT ELEMENTARY SCHOOL.
9. PROVIDE ELECTRICAL CONNECTION TO ULTRAVIOLET LIGHTS AT VAULT FROM NEW BREAKERS IN EXISTING PANELS AT ELEMENTARY SCHOOL.
10. COMPRESSED AIR BLOWER. SEE DETAIL 2 / ZC502.
11. PUMP CONTROL PANEL SEE DETAIL 6 / ZC502.
12. SAMPLE SANITARY MANHOLE CONNECT TO EXISTING OUTFALL. SEE DETAIL 5 / ZC502.
    INVERT IN= 408.00'
    EXISTING OUTFALL INVERT 406.90'
13. 6-IN SANITARY PIPING EXITING BUILDING.
    INVERT OUT=419.30' (VIF)
14. EXISTING SEPTIC TANK
    INVERT OUT= 416.90' (VERIFY IN FIELD)
15. 220 LF 6-IN SANITARY PIPING AT MINIMUM 1% SLOPE.
16. 324 LF 2-IN SANITARY RETURN FROM LIFT STATION TO SEPTIC TANK.
17. 78 LF 6-IN OUTFALL PIPING AT 4.4% SLOPE.
18. SAND FILTER CELL. SEE DETAIL 3 / ZC501 (8 PIPES PER CELL.)
19. SANITARY MANHOLE AT 4-IN SANITARY FROM EXISTING SEPTIC TANK TIE IN WITH 6-IN SANITARY FROM NEW SEPTIC TANK. SEE DETAIL 19/ZC500
20. 83 LF 1-IN COMPRESSED AIR FROM BLOWER TO ENHANCED TREATMENT UNIT.
21. GRADE CLEANOUT SEE DETAIL12 / ZC500.
22. PULL BOX SEE DETAIL 11 / ZC506.
23. 7 LF 6-IN SANITARY PIPING AT MINIMUM 1% SLOPE.
24. EXISTING UTILITY TO REMAIN PROTECT.
25. 120 LF 2-IN RECIRCULATION FROM LIFT STATION TO EXISTING SEPTIC TANK.
26. 110 LF 4-IN LIFT STATION VENT PIPING.
27. 83 LF 4-IN ENHANCED TREATMENT UNIT VENT PIPING.
28. 22 LF 4-IN SEPTIC TANK VENT PIPING.
29. 23 LF 4-IN SANITARY PIPING AT MINIMUM 1% SLOPE.
30. (2) 4-IN VENT PIPING UP. TERMINATE MINIMUM 12-FT ABOVE GRADE.
31. 4-IN VENT UP ON BUILDING. TERMINATE MINIMUM 12-IN ABOVE ROOF.
32. 60 LF 6-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
33. 45 LF 2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX. SEE DETAIL 15 / ZC500.
34. 15 LF 2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX. SEE DETAIL 15 / ZC500.
35. 15 LF 2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX. SEE DETAIL 15 / ZC500.
36. 45 LF 2-IN SANITARY FORCE MAIN TO DISTRIBUTION BOX. SEE DETAIL 15 / ZC500.
37. 18 LF 6-IN SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
38. 48 LF 4-IN COLLECTOR PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
39. 5 LF 6" SANITARY PIPING AT MINIMUM 1% SLOPE. SEE DETAIL 15 / ZC500.
40. CROSSING AT EXISTING STORM LINE. CALCULATED TOP OF STORM PIPE AT CROSSING = 415.56+/- *(ASSUMES 4.5-FT OF COVER)*. CALCULATED INVERT OF SANITARY LINE AT CROSSING = 416.95 +/-. SEE DETAIL 13 / ZC500
41. CROSSING AT EXISTING STORM LINE. CALCULATED TOP OF STORM PIPE AT CROSSING = 415.61+/- *(ASSUMES 4.5-FT OF COVER)*. CALCULATED INVERT OF FORCE MAIN LINE AT CROSSING = 416.95 +/-. SEE DETAIL 13 / ZC500

Valve Box Keynotes

1 BALANCE SYSTEM IN PRESENCE OF FACILITY ENGINEER FOLLOWING INSTALLATION OF PIPING BETWEEN VALVES AND LOCATION OF THE DISTRIBUTION BOX AND PRIOR TO BACKFILLING. RUN PUMP SYSTEM FOR A MINIMUM ONE MINUTE BEFORE BALANCING OF VALVES. BALANCING CAN BE ACCOMPLISHED BY THE FOLLOWING METHOD:

- CONFIRM EACH OF THE 4 BALANCE VALVES ARE OPEN
- RUN PUMP FOR 1 MINUTE PRIOR TO CONTINUING BALANCING OF THE SYSTEM
- CONTINUE TO RUN PUMP THAT SUPPLIES THOSE 4 VALVES
- ON PUMP DISCHARGE PIPE, AT LOCATION OF DISTRIBUTION BOX, UTILIZE A FLOW METER AT EACH OF THE 4 CELLS. ADJUST VALVES IN VALVE BOX UNTIL EQUAL FLOW IS ARCHIVED AT EACH OF THE 4 CELLS. REPEAT BALANCING FOR EACH CELL OF THE DISTRIBUTION FIELD
- PROVIDE FLOW METER ON RECIRCULATION LINE BACK TO SEPTIC TANK. ADJUST VALVE TO PROVIDE ±X GALLONS PER MINUTE FLOW BACK TO THE SEPTIC TANK.

Site Electrical Keynotes

1 PROVIDE 30A-3P BREAKER IN PANEL LP-24 (208Y/120V), LOCATED IN SECOND FLOOR FITNESS ROOM IN RECREATION CENTER. CONNECT TO BLOWER CONTROL PANEL WITH (3) #6, #10G IN MIN 1-IN CONDUIT. REMOVE UNUSED BREAKER IN PANEL TO ACCOMMODATE NEW BREAKER.

2 PROVIDE 15A-3P BREAKER IN PANEL LP-24 (208Y/120V). CONNECT TO LIFT STATION CONTROL PANEL WITH (3) #10, #10G IN 1-IN CONDUIT.

3 PROVIDE 20A-1P BREAKER IN PANEL LP-24 (208Y/120V). CONNECT TO UV LIGHTS CONTROL PANEL WITH (2) #10, #10G IN 1-IN CONDUIT.

General Site Notes

1. REFER TO DRAWING CC100 FOR GENERAL SITE NOTES THAT APPLY TO ALL CC-SERIES DRAWINGS.

General Utility Plan Notes

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING UTILITY DURING CONSTRUCTION AT NO COST TO THE OWNER.
2. SEE PROJECT MANUAL FOR BACKFILLING AND COMPACTION REQUIREMENTS FOR UTILITY TRENCHES.
3. PLACE AND COMPACT FILL MATERIAL BEFORE INSTALLATION OF PROPOSED UTILITIES.
4. MAINTAIN MINIMUM DISTANCE OF 10 FEET (PARALLEL) OR 18 INCHES WHEN CROSSING VERTICALLY (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE. BETWEEN ALL WATER AND OTHER UTILITIES
5. INSTALL, INSPECT AND APPROVE UNDERGROUND LINES BEFORE BACKFILLING.
6. RAISE TOPS OF EXISTING MANHOLES, DRAINAGE INLETS, HYDRANTS AND WATER LINE VALVE BOXES AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS.
7. DRAWINGS DO NOT PURPORT TO SHOW ALL EXISTING UTILITIES.
8. VERIFY EXISTING UTILITIES IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
9. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND/OR MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. REFER TO PROJECT MANUAL REGARDING COORDINATION WITH UTILITY COMPANIES BEFORE ANY EXCAVATION REGARDING FIELD LOCATION OF UTILITIES.
10. CONDUCT REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND THE OWNER'S INSPECTING AUTHORITIES.
11. COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION, INCLUDING BUT NOT LIMITED TO ACCESS AND EGRESS FROM EXCAVATION AND TRENCHING. COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
12. TREAT WATER TO REMOVE SEDIMENT, OILS, OR OTHER POLLUTANTS IN CASE OF DEWATERING/ PUMPING WATER FROM ANY CONSTRUCTION WORK, PROCESS OR AREA PRIOR TO RELEASING DOWN STREAM OR INTO STORM SYSTEMS.

S.E.D. Control No. 05-04-01-04-5-002-010

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

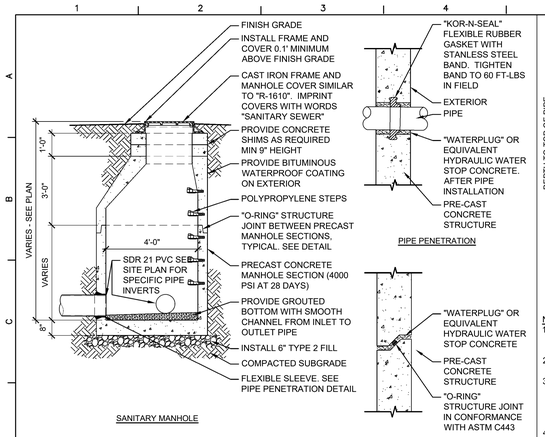
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Bus Garage

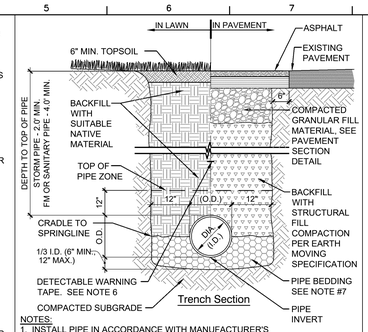
Site Utility Plan - System No.1 - Area C

Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	CC140

Project No.: 374866-23001.1

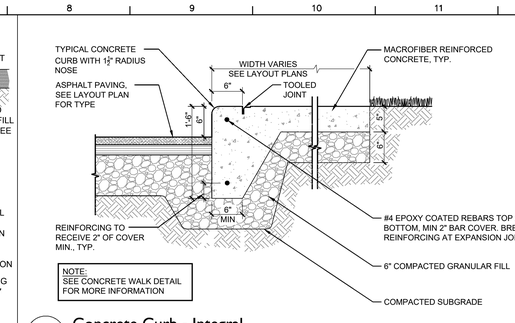


19 Kore-N-Seal Manhole
N.T.S.



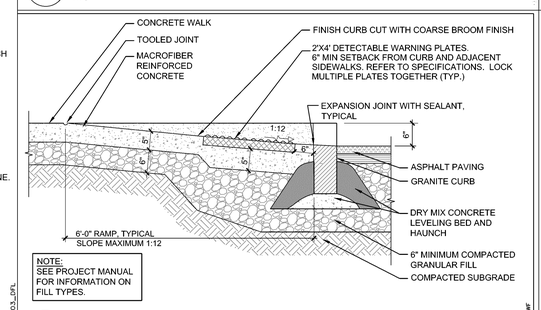
NOTES:
1. INSTALL PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. INCLUDE SHORING AND DEWATERING IN TRENCHING OPERATIONS.
3. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS. THICKNESSES INDICATED ARE MINIMUMS. WHERE EXISTING CONDITIONS EXCEED THOSE SHOWN, MATCH EXISTING.
4. USE MOVABLE PROTECTIVE TRENCH SHIELDS IN UNSHEETED TRENCH AREAS AS REQUIRED BY OSHA REGULATIONS.
5. MINIMUM BURY DEPTHS SHOWN ABOVE APPLY UNLESS OTHERWISE INDICATED.
6. PROVIDE DETECTABLE WARNING TAPE AS SPECIFIED.
7. PIPE BEDDING SHALL BE:
STORM - USE STRUCTURAL FILL OR APPROVED FILL MATERIAL IN PIPE ZONE.
SANITARY - USE CRUSHED STONE UTILITY BEDDING IN PIPE CRADLE. USE MATERIAL EXCAVATED FROM TRENCH WITH 3" AND LARGER STONE REMOVED IN REMAINING PIPE ZONE.
FORCE MAIN - USE SAND OR STRUCTURAL FILL IN PIPE ZONE.

15 Pipe Trench
NTS



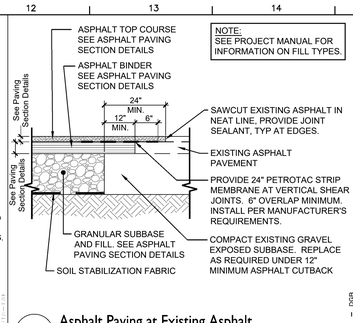
NOTE:
SEE CONCRETE WALK DETAIL FOR MORE INFORMATION

10 Concrete Curb - Integral
NTS



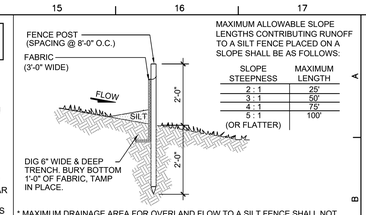
NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

11 Accessible Curb Ramp Section - Granite
N.T.S.



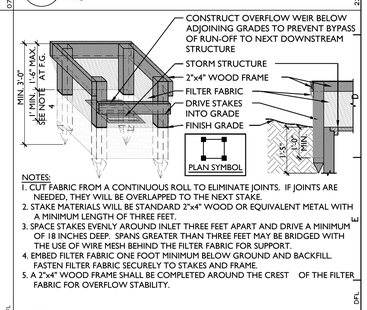
NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

6 Asphalt Paving at Existing Asphalt
NTS SECTION



* MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED ¼ ACRE PER 100 FEET OF FENCE, WITH A MAXIMUM PONDING DEPTH OF 1.5' BEHIND THE FENCE.
* SILT FENCE SHALL BE UTILIZED ONLY TO CAPTURE SHEET EROSION.
* CONCENTRATED FLOW OF STORMWATER RUNOFF TO THE SILT FENCE BARRIER SHALL NOT BE PERMITTED
* PLACE SILT FENCE AS CLOSE TO DISTURBANCE AREAS AS POSSIBLE, BUT AT LEAST 10' FROM TOE OF SLOPE AREAS TO ALLOW FOR MAINTENANCE.
* WHERE ENDS OF FILTER CLOTH ADJOIN EACH OTHER, OVERLAP 6". FOLD AND STAPLE ENDS TO PREVENT SEDIMENT BYPASS FROM OCCURRING.

1 Silt Fence - Standard
NTS

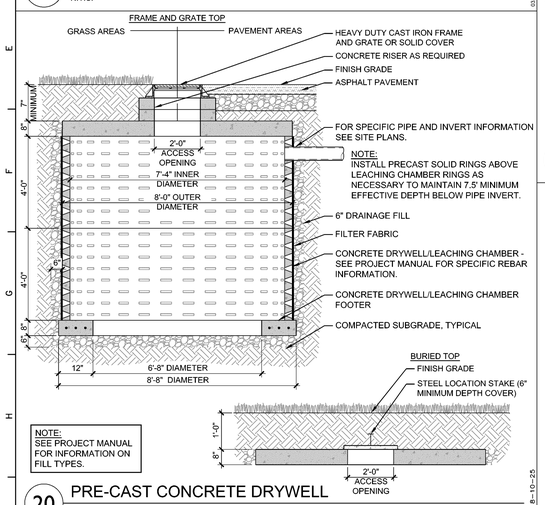


NOTE:
SEE CONCRETE WALK DETAIL FOR ADDITIONAL INFORMATION

7 Concrete Finish
NTS

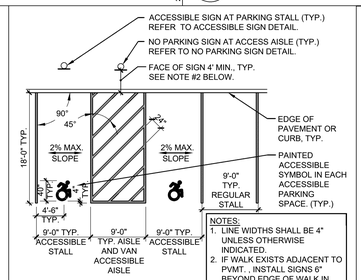
NOTES:
1. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
2. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF THREE FEET.
3. SPACE STAKES EVENLY AROUND INLET THREE FEET APART AND DRIVE A MINIMUM OF 18 INCHES DEEP. SPANS GREATER THAN THREE FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
4. EMBED FILTER FABRIC ONE FOOT MINIMUM BELOW GROUND AND BACKFILL. FASTEN FILTER FABRIC SECURELY TO STAKES AND FRAME.
5. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FILTER FABRIC FOR OVERFLOW STABILITY.

2 Inlet Protection
N.T.S.



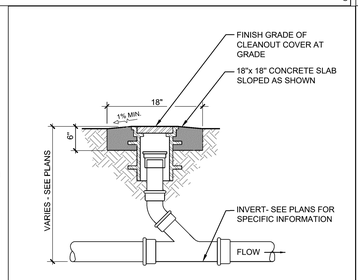
NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

20 PRE-CAST CONCRETE DRYWELL
NTS

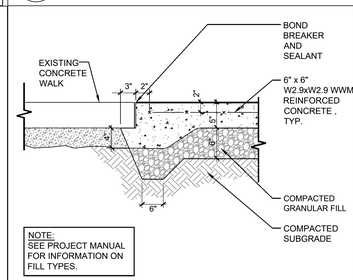


NOTES:
1. LINE WIDTHS SHALL BE 4" UNLESS OTHERWISE INDICATED.
2. IF WALK EXISTS ADJACENT TO PVMT. , INSTALL SIGNS 6" BEYOND EDGE OF WALK IN LAWN.
3. REFER TO PROJECT MANUAL SECTION 10 14 53, TRAFFIC SIGNAGE FOR ADDITIONAL INFORMATION.

16 Parking Stall Striping
NTS

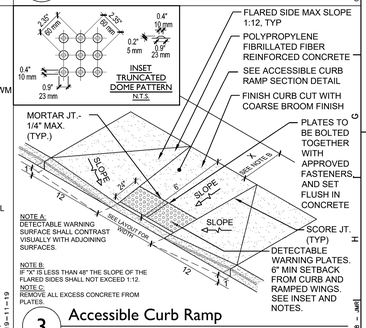


12 Cleanout - Exterior
N.T.S.

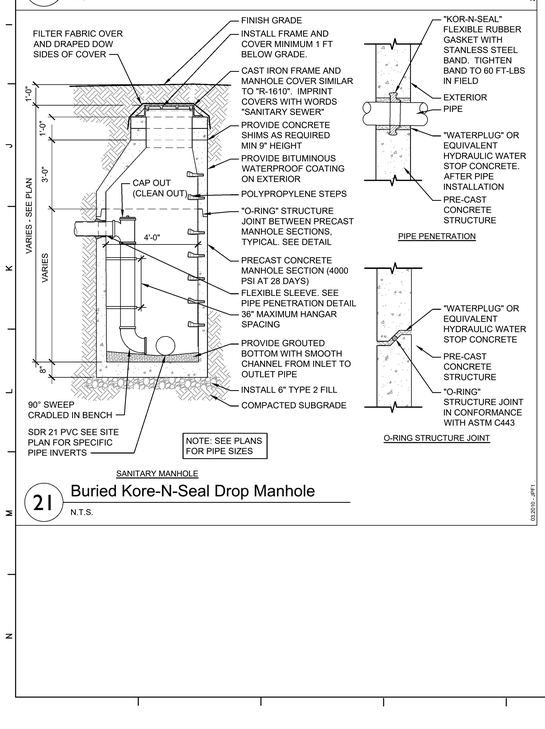


NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

8 New Concrete Walk at Existing Walk
NTS

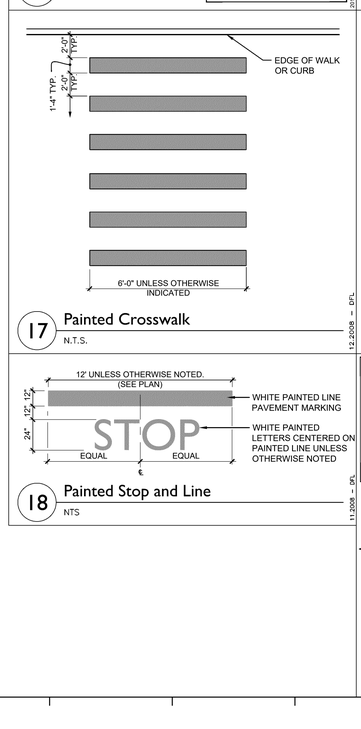


3 Accessible Curb Ramp
N.T.S.

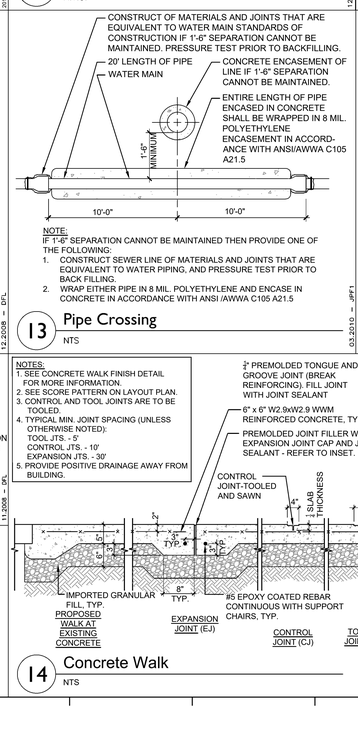


NOTE: SEE PLANS FOR PIPE SIZES

21 Buried Kore-N-Seal Drop Manhole
N.T.S.

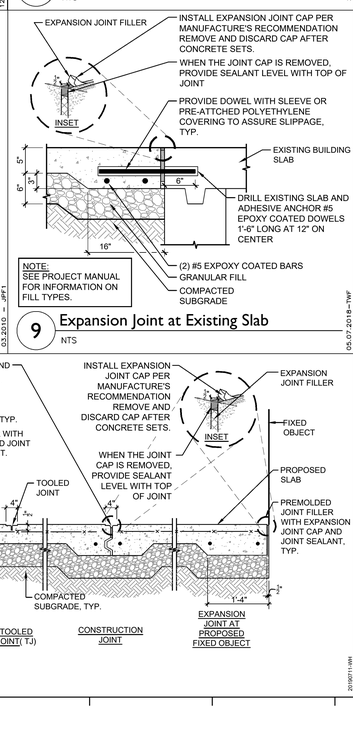


17 Painted Crosswalk
N.T.S.



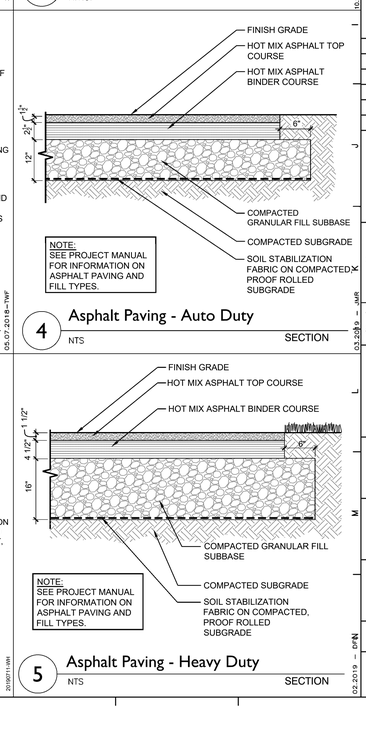
NOTE:
IF 1'-6" SEPARATION CANNOT BE MAINTAINED THEN PROVIDE ONE OF THE FOLLOWING:
1. CONSTRUCT SEWER LINE OF MATERIALS AND JOINTS THAT ARE EQUIVALENT TO WATER PIPING, AND PRESSURE TEST PRIOR TO BACK FILLING.
2. WRAP EITHER PIPE IN 8 MIL. POLYETHYLENE AND ENCASE IN CONCRETE IN ACCORDANCE WITH ANSI /AWWA C105 A21.5

13 Pipe Crossing
NTS



NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

9 Expansion Joint at Existing Slab
NTS



NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON ASPHALT PAVING AND FILL TYPES.

4 Asphalt Paving - Auto Duty
NTS SECTION

18 Painted Stop and Line
NTS

NOTES:
1. SEE CONCRETE WALK FINISH DETAIL FOR MORE INFORMATION.
2. SEE SCORE PATTERN ON LAYOUT PLAN.
3. CONTROL AND TOOL JOINTS ARE TO BE TOOLED.
4. TYPICAL MIN. JOINT SPACING (UNLESS OTHERWISE NOTED):
TOOL JTS. - 5'
CONTROL JTS. - 10'
EXPANSION JTS. - 30'
5. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.

14 Concrete Walk
NTS

NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON ASPHALT PAVING AND FILL TYPES.

5 Asphalt Paving - Heavy Duty
NTS SECTION

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

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TETRA TECH
ARCHITECTS & ENGINEERS

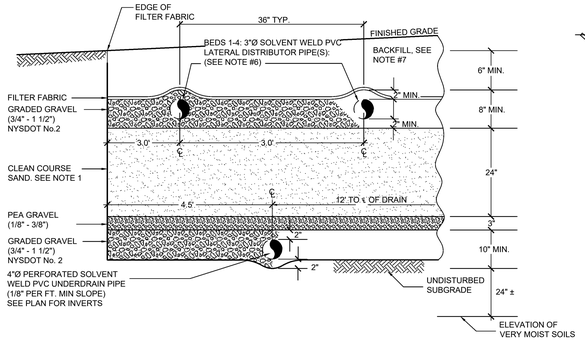
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

Site Details

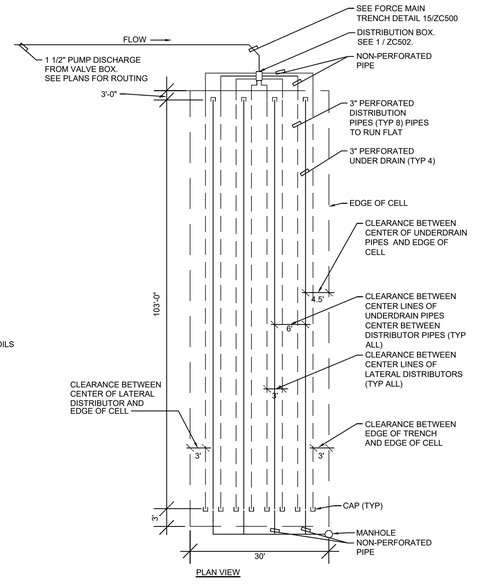
Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	ZC500

T+ Project No.:
374866-23001.1



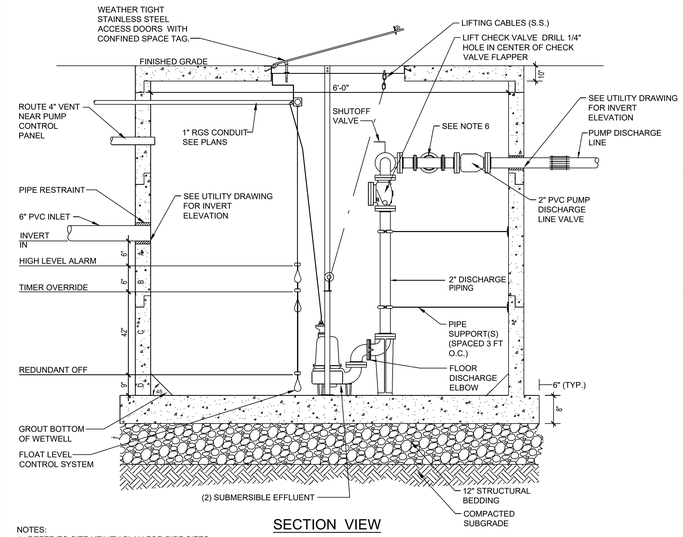
NOTES:
1. A STATEMENT FROM A CERTIFIED LABORATORY AND/OR FROM THE SAND SOURCE OPERATOR INDICATING THAT A SAMPLE HAS BEEN ANALYZED, AND THAT THE INDICATED SAND IS THE MATERIAL THAT WILL BE SUPPLIED, MUST BE PROVIDE PRIOR TO CONSTRUCTION. SAND SHALL BE DURABLE, INSOLUBLE IN WATER, HAVE AN ORGANIC CONTENT OF LESS THAN 1 PERCENT, AND HAVE A UNIFORMITY COEFFICIENT OF LESS THAN 4. SAND GRADATION SHALL BE 100% BETWEEN 0.25mm AND 1.0mm.
2. THE GROUND BENEATH THE FILTER SHALL BE SLOPED TO THE TRENCHES IN WHICH THE UNDERDRAINS ARE LAID.
3. THE SAND, OR FILTER, MUST BE SETTLED BY FLOODING PRIOR TO PLACING THE DISTRIBUTOR AT FINAL GRADE.
4. PRIOR TO BACKFILLING WITH TOPSOIL, PLACE A BARRIER MATERIAL (FILTER FABRIC - MIRAFI 140N OR EQUAL, ABOVE THE GRADED GRAVEL.
5. PLACEMENT OF TOPSOIL SHALL BE DONE WITH LIGHTWEIGHT EQUIPMENT, IE SKID STEER LOADER.
6. ALL 3" LATERAL PIPES SHALL BE INSTALLED LEVEL. 1/4" DIAMETER HOLES SHALL BE SPACED 60 INCHES ON CENTER FACING DOWNWARD.
7. BACKFILL WITH SUITABLE EXCAVATED MATERIAL WITH ALL STONES REMOVED 6" OR LARGER. REFER TO PLANTING SPECIFICATION FOR REQUIRED TOPSOIL AND SEED
8. PROVIDE SOLVENT WELDED CAP AT THE END OF EACH PVC LATERAL DISTRIBUTION PIPE AND PVC UNDERDRAIN COLLECTION PIPE.

3 Buried Sand Filter Detail
NOT TO SCALE



PLAN VIEW

NOTE: DETAIL IS TYPICAL FOR A TOTAL OF 4 CELLS. EACH CELL IS SUPPLIED WITH ONE PUMP DISCHARGE PIPE AND CONTROL VALVE FROM VALVE VAULT. EACH CELL HAS 8 ABSORPTION TRENCHES

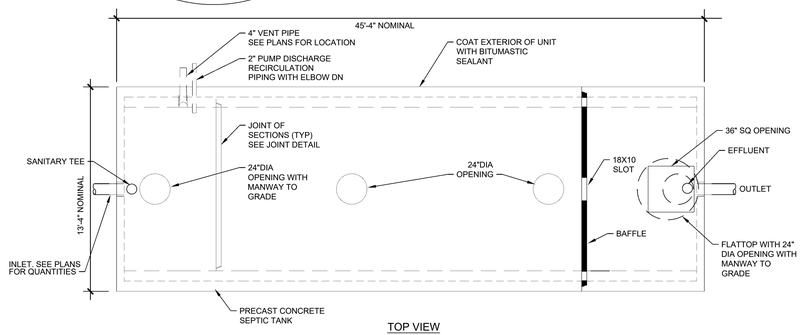


SECTION VIEW

NOTES:
1. REFER TO SITE UTILITY PLAN FOR PIPE SIZES, INVERTS AND PIPING ORIENTATION.
2. ALL FORCE MAIN PENETRATIONS THROUGH PRE-CAST STRUCTURES SHALL HAVE MECHANICAL SEAL PIPE RESTRAINTS
3. EXTEND DISCHARGE PIPING A MINIMUM OF 5 FEET BEYOND THE EDGE OF VALVE BOX.
4. BACKFILL AROUND STRUCTURE WITH APPROVED MATERIAL, EXCLUDING ANY DEBRIS AND/OR MATERIAL 6" AND LARGER AND AS NOTED IN THE PROJECT MANUEL
5. PROVIDE CONNECTION TO EXISTING BUILDING CONTROLS SYSTEM FOR MONITORING AND ALARM CONDITIONS.
6. THROTTLE VALVE TO RECIRCULATING LINE BACK TO SEPTIC TANK.

1 Duplex Sewage Effluent Lift Station and Valves Detail
NOT TO SCALE

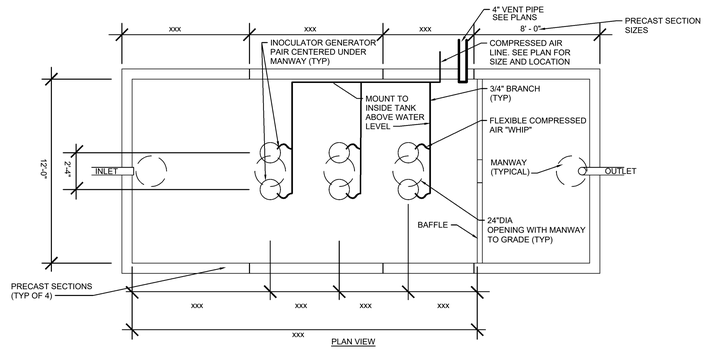
JOINT DETAIL



TOP VIEW

SECTION VIEW

4 18,000 Gallon Septic Tank Detail
NOT TO SCALE



PLAN VIEW

ELEVATION VIEW

2 System No 1 Enhanced Treatment System Detail
NOT TO SCALE

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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Cato, New York

Reconstruction to:
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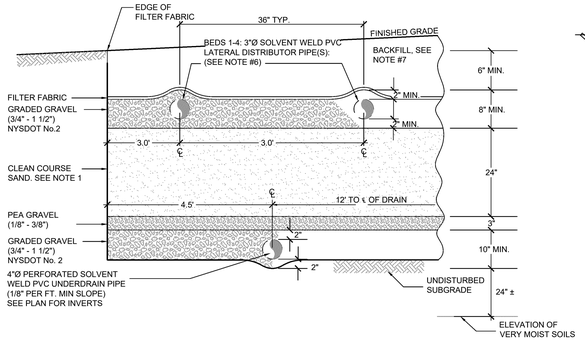
Site Details - System No. 1

Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	ZC501

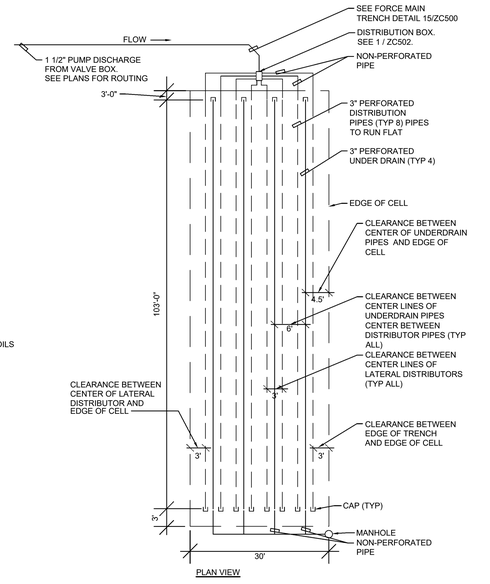
T+ Project No.: 374866-23001.1

2450-1134



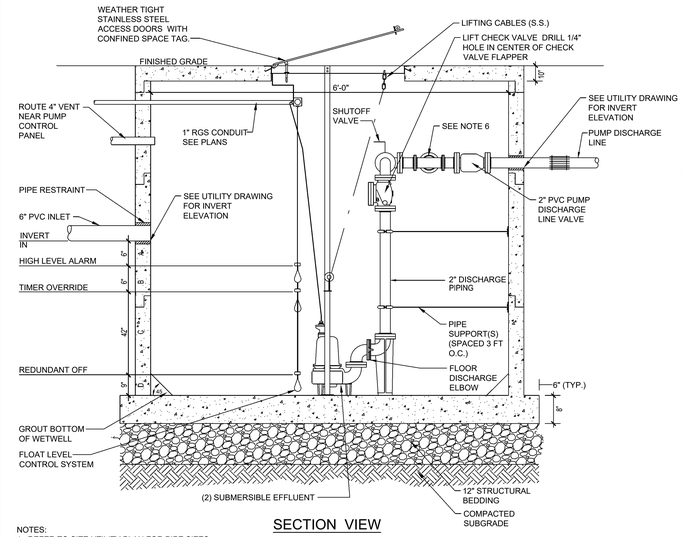
NOTES:
1. A STATEMENT FROM A CERTIFIED LABORATORY AND/OR FROM THE SAND SOURCE OPERATOR INDICATING THAT A SAMPLE HAS BEEN ANALYZED, AND THAT THE INDICATED SAND IS THE MATERIAL THAT WILL BE SUPPLIED, MUST BE PROVIDE PRIOR TO CONSTRUCTION. SAND SHALL BE DURABLE, INSOLUBLE IN WATER, HAVE AN ORGANIC CONTENT OF LESS THAN 1 PERCENT, AND HAVE A UNIFORMITY COEFFICIENT OF LESS THAN 4. SAND GRADATION SHALL BE 100% BETWEEN 0.25mm AND 1.0mm.
2. THE GROUND BENEATH THE FILTER SHALL BE SLOPED TO THE TRENCHES IN WHICH THE UNDERDRAINS ARE LAID.
3. THE SAND, OR FILTER, MUST BE SETTLED BY FLOODING PRIOR TO PLACING THE DISTRIBUTOR AT FINAL GRADE.
4. PRIOR TO BACKFILLING WITH TOPSOIL, PLACE A BARRIER MATERIAL (FILTER FABRIC - MIRAFI 140N OR EQUAL, ABOVE THE GRADED GRAVEL.
5. PLACEMENT OF TOPSOIL SHALL BE DONE WITH LIGHTWEIGHT EQUIPMENT, IE SKID STEER LOADER.
6. ALL 3" LATERAL PIPES SHALL BE INSTALLED LEVEL. 1/4" DIAMETER HOLES SHALL BE SPACED 60 INCHES ON CENTER FACING DOWNWARD.
7. BACKFILL WITH SUITABLE EXCAVATED MATERIAL WITH ALL STONES REMOVED 6" OR LARGER. REFER TO PLANTING SPECIFICATION FOR REQUIRED TOPSOIL AND SEED
8. PROVIDE SOLVENT WELDED CAP AT THE END OF EACH PVC LATERAL DISTRIBUTION PIPE AND PVC UNDERDRAIN COLLECTION PIPE.

3 Buried Sand Filter Detail
NOT TO SCALE



PLAN VIEW

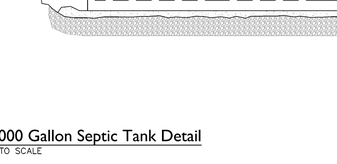
NOTE: DETAIL IS TYPICAL FOR A TOTAL OF 4 CELLS. EACH CELL IS SUPPLIED WITH ONE PUMP DISCHARGE PIPE AND CONTROL VALVE FROM VALVE VAULT. EACH CELL HAS 8 ABSORPTION TRENCHES



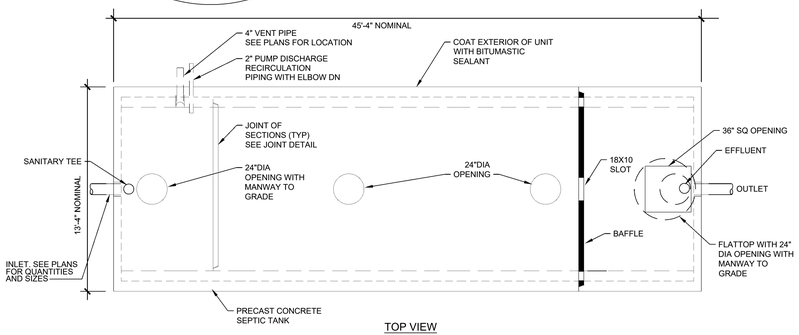
SECTION VIEW

NOTES:
1. REFER TO SITE UTILITY PLAN FOR PIPE SIZES, INVERTS AND PIPING ORIENTATION.
2. ALL FORCE MAIN PENETRATIONS THROUGH PRE-CAST STRUCTURES SHALL HAVE MECHANICAL SEAL PIPE RESTRAINTS
3. EXTEND DISCHARGE PIPING A MINIMUM OF 5 FEET BEYOND THE EDGE OF VALVE BOX.
4. BACKFILL AROUND STRUCTURE WITH APPROVED MATERIAL, EXCLUDING ANY DEBRIS AND/OR MATERIAL 6" AND LARGER AND AS NOTED IN THE PROJECT MANUEL
5. PROVIDE CONNECTION TO EXISTING BUILDING CONTROLS SYSTEM FOR MONITORING AND ALARM CONDITIONS.
6. THROTTLE VALVE TO RECIRCULATING LINE BACK TO SEPTIC TANK.

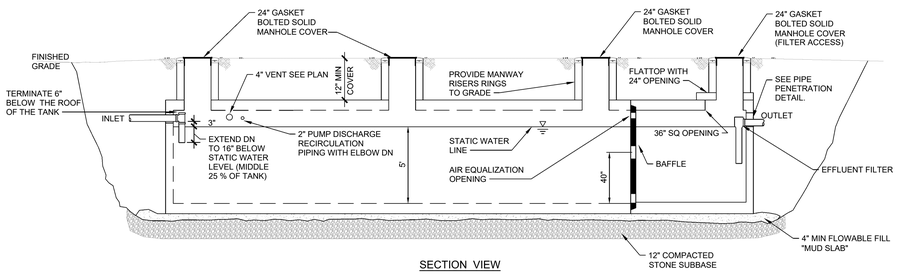
1 Duplex Sewage Effluent Lift Station and Valves Detail
NOT TO SCALE



JOINT DETAIL

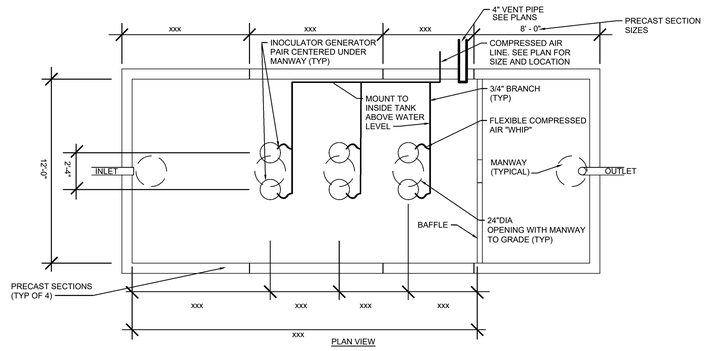


TOP VIEW

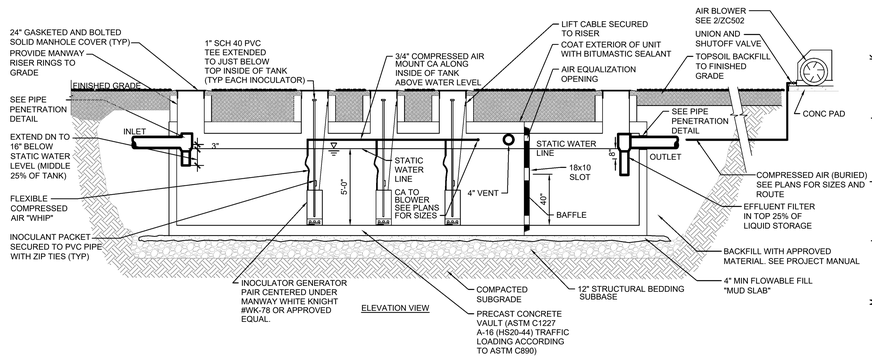


SECTION VIEW

4 18,000 Gallon Septic Tank Detail
NOT TO SCALE



PLAN VIEW



ELEVATION VIEW

2 System No 1 Enhanced Treatment System Detail
NOT TO SCALE

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

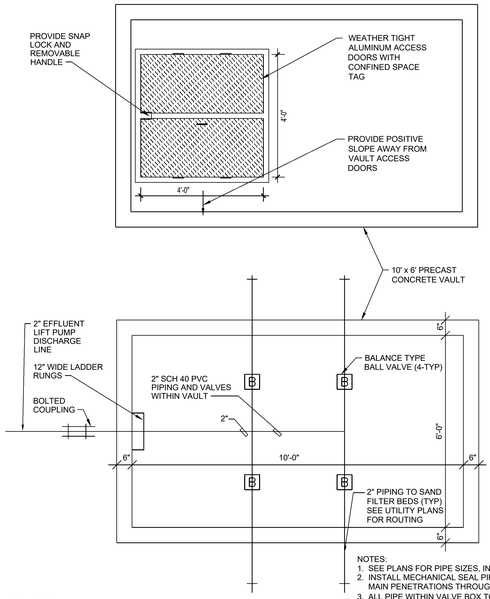
Reconstruction to:
Cato-Meridian Central Schools

Site Details - System No. 1

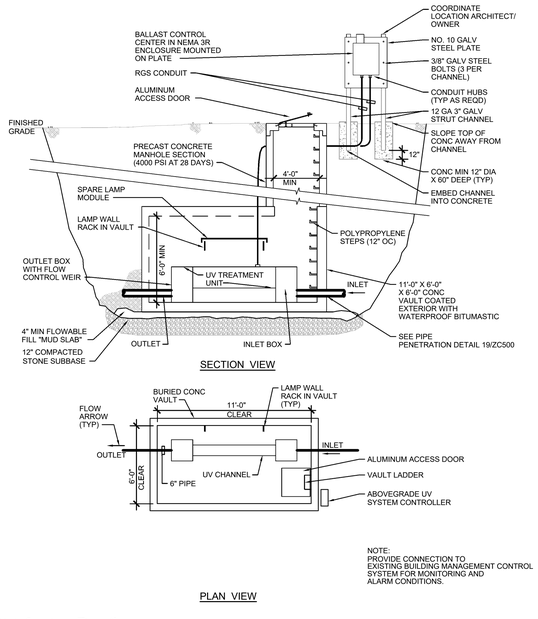
Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	ZC501

T+ Project No.: 374866-23001.1

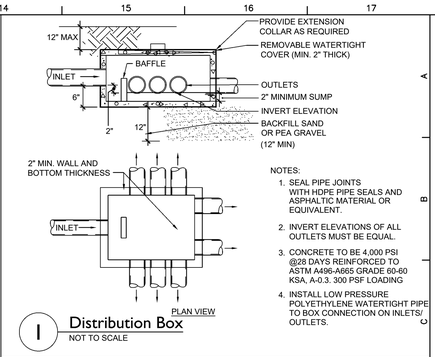
2450-1R4



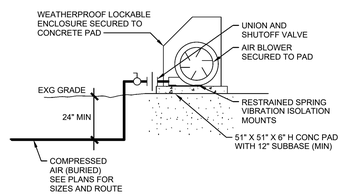
4 Valve Box Detail
NTS



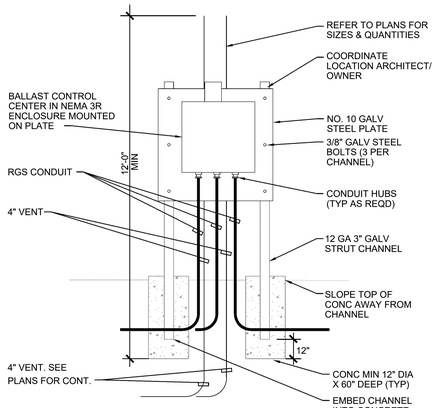
3 UV Disinfection Detail
NTS



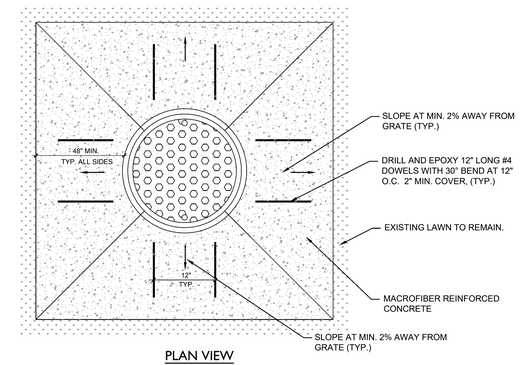
1 Distribution Box
NOT TO SCALE



2 Air Blower Detail
NOT TO SCALE



6 Pump Control Panel Detail
NOT TO SCALE



5 Sampling Sanitary Manhole w/ Concrete Collar
NOT TO SCALE

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

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TETRA TECH
ARCHITECTS & ENGINEERS

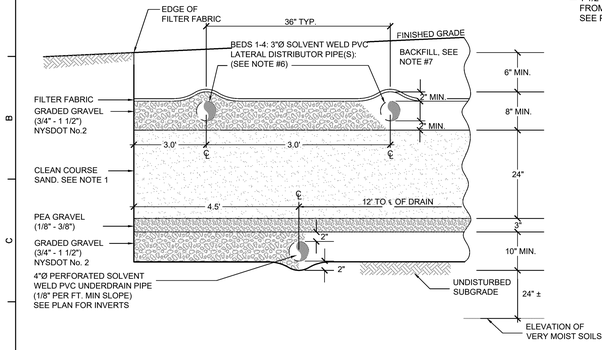
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

Site Details - System No. 1

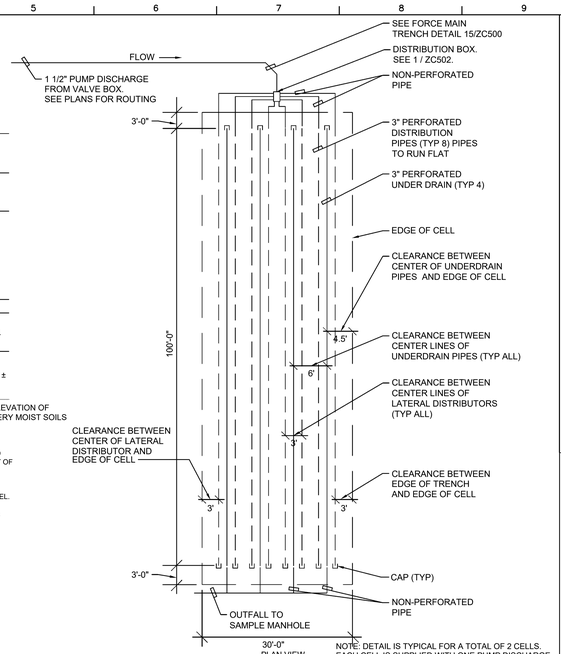
Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	ZC502

T+ Project No.:
374866-23001.1



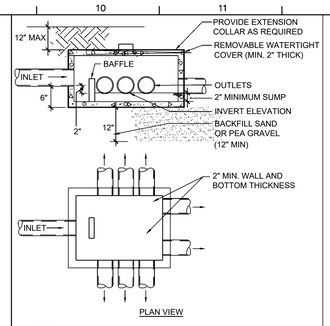
NOTES:
1. A STATEMENT FROM A CERTIFIED LABORATORY AND/OR FROM THE SAND SOURCE OPERATOR INDICATING THAT A SAMPLE HAS BEEN ANALYZED, AND THAT THE INDICATED SAND IS THE MATERIAL THAT WILL BE SUPPLIED, MUST BE PROVIDE PRIOR TO CONSTRUCTION. SAND SHALL BE DURABLE, INSOLUBLE IN WATER, HAVE AN ORGANIC CONTENT OF LESS THAN 1 PERCENT, AND HAVE A UNIFORMITY COEFFICIENT OF LESS THAN 4. SAND GRADATION SHALL BE 100% BETWEEN 0.25mm AND 1.0mm.
2. THE GROUND BENEATH THE FILTER SHALL BE SLOPED TO THE TRENCHES IN WHICH THE UNDERDRAINS ARE LAID.
3. THE SAND, OR FILTER, MUST BE SETTLED BY FLOODING PRIOR TO PLACING THE DISTRIBUTOR AT FINAL GRADE.
4. PRIOR TO BACKFILLING WITH TOPSOIL, PLACE A BARRIER MATERIAL (FILTER FABRIC - MIRAFI 140N OR EQUAL, ABOVE THE GRADED GRAVEL.
5. PLACEMENT OF TOPSOIL SHALL BE DONE WITH LIGHTWEIGHT EQUIPMENT, IE SKID STEER LOADER.
6. ALL 3" LATERAL PIPES SHALL BE INSTALLED LEVEL. 1/4" DIAMETER HOLES SHALL BE SPACED 60 INCHES ON CENTER FACING DOWNWARD.
7. BACKFILL WITH SUITABLE EXCAVATED MATERIAL WITH ALL STONES REMOVED 6" OR LARGER. REFER TO PLANTING SPECIFICATION FOR REQUIRED TOPSOIL AND SEED.
8. PROVIDE SOLVENT WELDED CAP AT THE END OF EACH PVC LATERAL DISTRIBUTION PIPE AND PVC UNDERDRAIN COLLECTION PIPE.

4 Buried Sand Filter Detail
NOT TO SCALE



PLAN VIEW

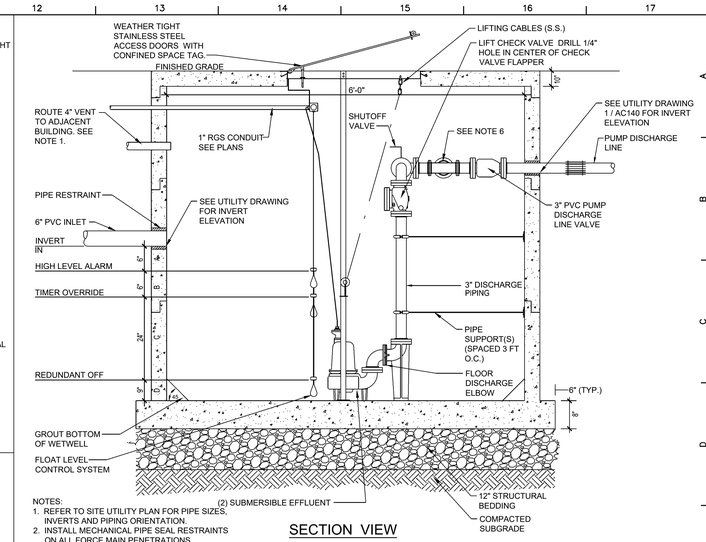
NOTE: DETAIL IS TYPICAL FOR A TOTAL OF 2 CELLS. EACH CELL IS SUPPLIED WITH ONE PUMP DISCHARGE PIPE AND CONTROL VALVE FROM VALVE VAULT, EACH CELL HAS 8 ABSORPTION TRENCHES



PLAN VIEW

NOTES:
1. SEAL PIPE JOINTS WITH HDPE PIPE SEALS AND ASPHALTIC MATERIAL OR EQUIVALENT.
2. INVERT ELEVATIONS OF ALL OUTLETS MUST BE EQUAL.
3. CONCRETE TO BE 4,000 PSI @28 DAYS REINFORCED TO ASTM A496-A665 GRADE 60-60 KSA, A-0.3. 300 PSF LOADING
4. INLETS / OUTLETS TO HAVE LOW PRESSURE POLYETHYLENE WATERTIGHT PIPE TO BOX CONNECTION.

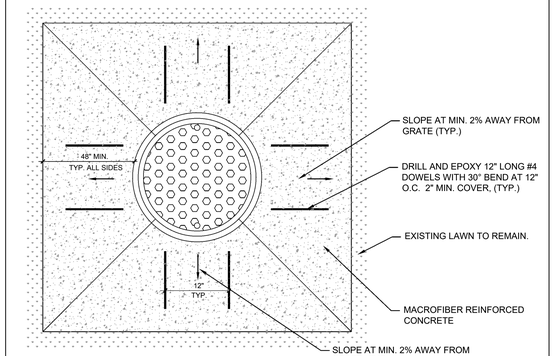
2 Distribution Box
NOT TO SCALE



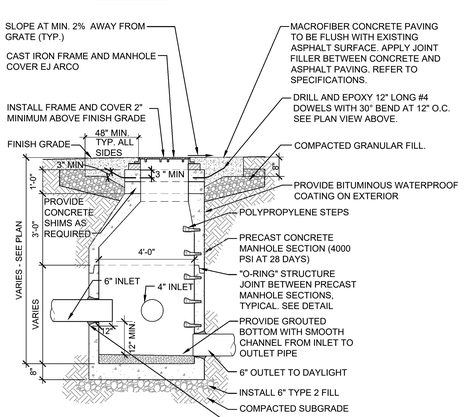
NOTES:
1. REFER TO SITE UTILITY PLAN FOR PIPE SIZES, INVERTS AND PIPING ORIENTATION.
2. INSTALL MECHANICAL PIPE SEAL RESTRAINTS ON ALL FORCE MAIN PENETRATIONS THROUGH PRE-CAST STRUCTURES.
3. EXTEND DISCHARGE PIPING A MINIMUM OF 5 FEET BEYOND THE EDGE OF VALVE BOX.
4. BACKFILL AROUND STRUCTURE WITH APPROVED MATERIAL, EXCLUDING ANY DEBRIS AND/OR MATERIAL 6" AND LARGER AND AS NOTED IN THE PROJECT MANUEL.
5. PROVIDE CONNECTION TO EXISTING BUILDING CONTROLS SYSTEM FOR MONITORING AND ALARM CONDITIONS.
6. THROTTLE VALVE TO RECIRCULATING LINE BACK TO SEPTIC TANK.

SECTION VIEW

1 Duplex Sewage Effluent Lift Station and Valves
NOT TO SCALE



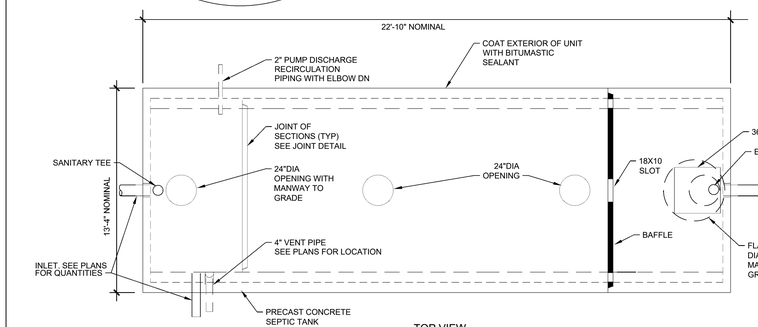
PLAN VIEW



SECTION VIEW

6 Sampling Sanitary Manhole w/ Concrete Collar
NOT TO SCALE

JOINT DETAIL



TOP VIEW

SECTION VIEW

5 10,000 Gallon Septic Tank Detail
NOT TO SCALE

PLAN VIEW

NOTES:
1. SEE PLANS FOR PIPE SIZES, INVERTS AND PIPE ORIENTATION.
2. INSTALL MECHANICAL SEAL PIPE RESTRAINTS FOR ALL FORCE MAIN PENETRATIONS THROUGH PRE-CAST STRUCTURES.
3. ALL PIPE WITHIN VALVE BOX TO BE SCH 40 PVC.
4. BACKFILL AROUND STRUCTURE WITH APPROVED MATERIAL, EXCLUDING ANY DEBRIS AND/OR MATERIAL 6" AND LARGER AND AS NOTED IN PROJECT MANUAL.
5. BALANCE VALVES IN PRESENCE OF FACILITY ENGINEER TO VERIFY FORCE MAIN IS PROPERLY FLOW BALANCED FOR EQUAL FLOW TO EACH CELL.

SECTION VIEW

NOTE: SEE UTILITY PLAN FOR PIPE SIZES AND INVERTS

3 Valve Box Detail
NTS

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

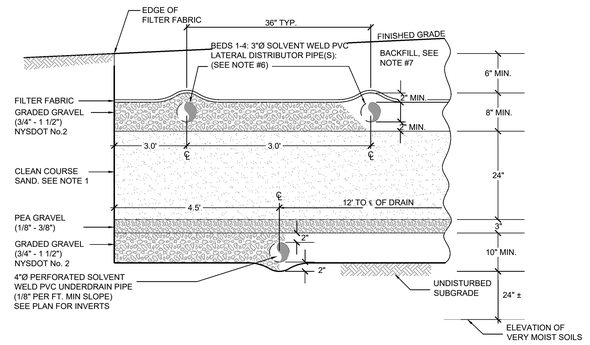
Reconstruction to:
Cato-Meridian Central Schools

Site Details - System No. 2

Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	ZC503

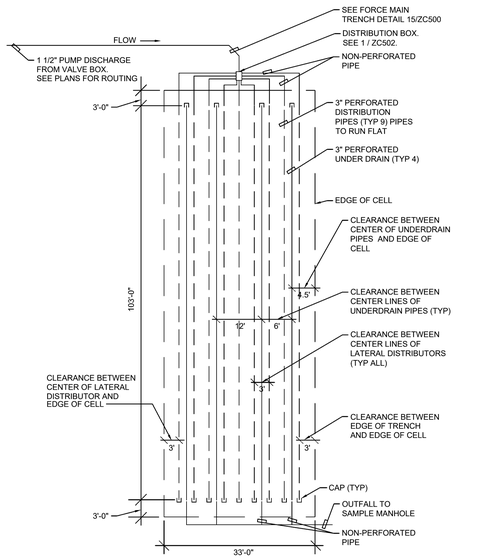
T+ Project No.: 374866-23001.1

20190071.WIP



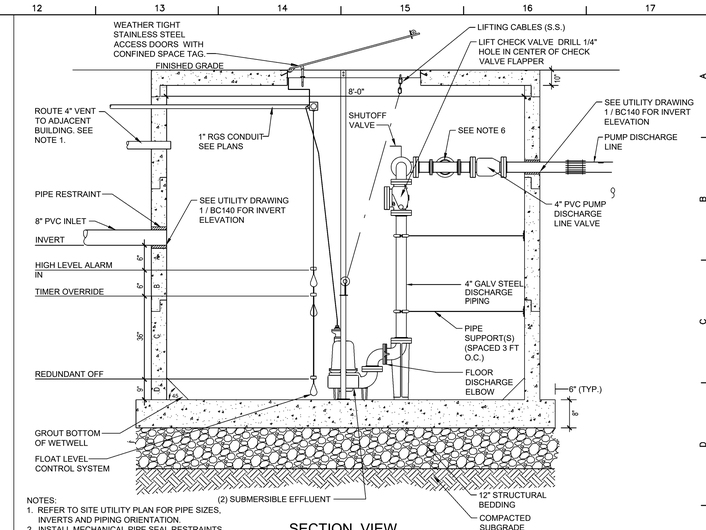
NOTES:
1. A STATEMENT FROM A CERTIFIED LABORATORY AND/OR FROM THE SAND SOURCE OPERATOR INDICATING THAT A SAMPLE HAS BEEN ANALYZED, AND THAT THE INDICATED SAND IS THE MATERIAL THAT WILL BE SUPPLIED, MUST BE PROVIDE PRIOR TO CONSTRUCTION. SAND SHALL BE DURABLE, INSOLUBLE IN WATER, HAVE AN ORGANIC CONTENT OF LESS THAN 1 PERCENT, AND HAVE A UNIFORMITY COEFFICIENT OF LESS THAN 4. SAND GRADATION SHALL BE 100% BETWEEN 0.25mm AND 1.0mm.
2. THE GROUND BENEATH THE FILTER SHALL BE SLOPED TO THE TRENCHES IN WHICH THE UNDERDRAINS ARE LAID.
3. THE SAND, OR FILTER, MUST BE SETTLED BY FLOODING PRIOR TO PLACING THE DISTRIBUTOR AT FINAL GRADE.
4. PRIOR TO BACKFILLING WITH TOPSOIL, PLACE A BARRIER MATERIAL (FILTER FABRIC - MIRAFI 140N OR EQUAL, ABOVE THE GRADED GRAVEL.
5. PLACEMENT OF TOPSOIL SHALL BE DONE WITH LIGHTWEIGHT EQUIPMENT, IE SKID STEER LOADER.
6. ALL 3" LATERAL PIPES SHALL BE INSTALLED LEVEL. 1/4" DIAMETER HOLES SHALL BE SPACED 60 INCHES ON CENTER FACING DOWNWARD.
7. BACKFILL WITH SUITABLE EXCAVATED MATERIAL WITH ALL STONES REMOVED 6" OR LARGER. REFER TO PLANTING SPECIFICATION FOR REQUIRED TOPSOIL AND SEED.
8. PROVIDE SOLVENT WELDED CAP AT THE END OF EACH PVC LATERAL DISTRIBUTION PIPE AND PVC UNDERDRAIN COLLECTION PIPE.

3 Buried Sand Filter Detail
NOT TO SCALE



PLAN VIEW

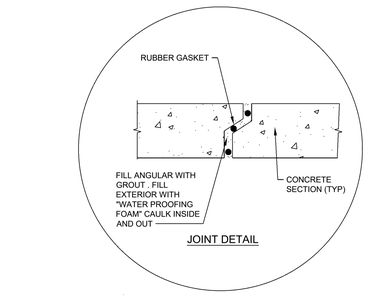
NOTE: DETAIL IS TYPICAL FOR A TOTAL OF 5 CELLS. EACH CELL IS SUPPLIED WITH ONE PUMP DISCHARGE PIPE AND CONTROL VALVE FROM VALVE VAULT, EACH CELL HAS 9 ABSORPTION TRENCHES



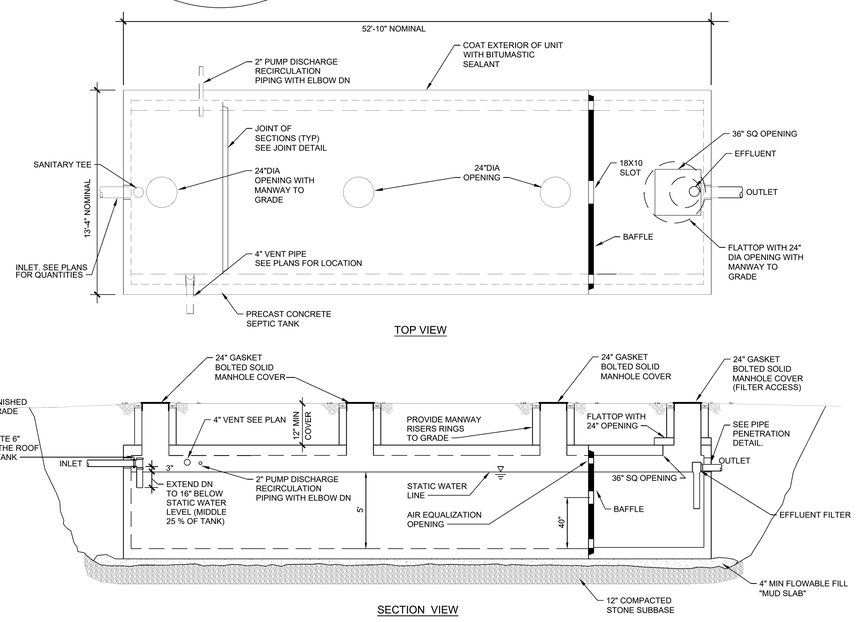
NOTES:
1. REFER TO SITE UTILITY PLAN FOR PIPE SIZES, INVERTS AND PIPING ORIENTATION.
2. INSTALL MECHANICAL PIPE SEAL RESTRAINTS ON ALL FORCE MAIN PENETRATIONS THROUGH PRE-CAST STRUCTURES.
3. EXTEND DISCHARGE PIPING A MINIMUM OF 5 FEET BEYOND THE EDGE OF VALVE BOX.
4. BACKFILL AROUND STRUCTURE WITH APPROVED MATERIAL, EXCLUDING ANY DEBRIS AND/OR MATERIAL 6" AND LARGER AND AS NOTED IN THE PROJECT MANUEL.
5. PROVIDE CONNECTION TO EXISTING BUILDING CONTROLS SYSTEM FOR MONITORING AND ALARM CONDITIONS.
6. THROTTLE VALVE TO RECIRCULATING LINE BACK TO SEPTIC TANK.

SECTION VIEW

1 Duplex Sewage Effluent Lift Station and Valves
NOT TO SCALE



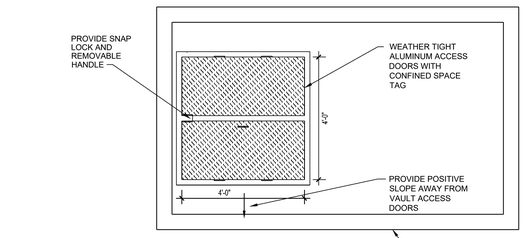
JOINT DETAIL

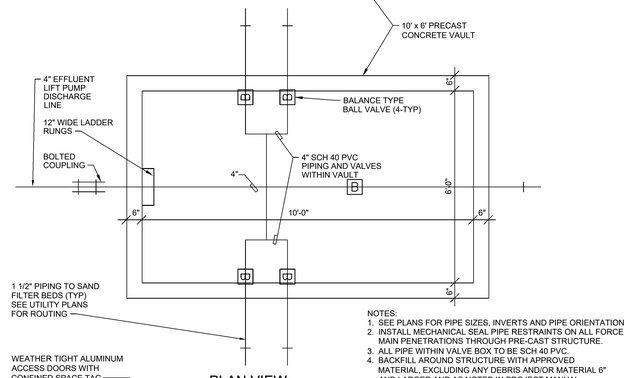


TOP VIEW

SECTION VIEW

5 23,000 Gallon Septic Tank Detail
NOT TO SCALE





PLAN VIEW

NOTES:
1. SEE PLANS FOR PIPE SIZES, INVERTS AND PIPE ORIENTATION
2. INSTALL MECHANICAL SEAL PIPE RESTRAINTS ON ALL FORCE MAIN PENETRATIONS THROUGH PRE-CAST STRUCTURE.
3. ALL PIPE WITHIN VALVE BOX TO BE SCH 40 PVC.
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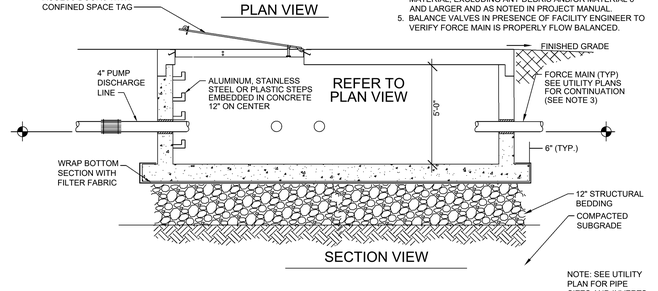
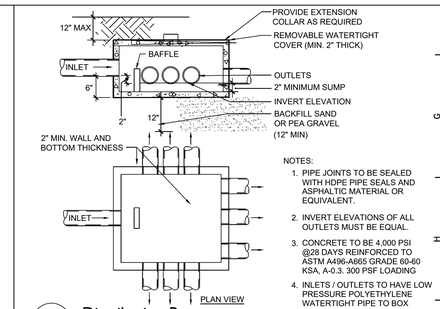
5. BALANCE VALVES IN PRESENCE OF FACILITY ENGINEER TO VERIFY FORCE MAIN IS PROPERLY FLOW BALANCED.



SECTION VIEW

NOTE: SEE UTILITY PLAN FOR PIPE SIZES AND INVERTS

4 Valve Box Detail
NTS



NOTES:
1. PIPE JOINTS TO BE SEALED WITH HDPE PIPE SEALS AND ASPHALTIC MATERIAL OR EQUIVALENT.
2. INVERT ELEVATIONS OF ALL OUTLETS MUST BE EQUAL.
3. CONCRETE TO BE 4,000 PSI @28 DAYS REINFORCED TO ASTM A496-A665 GRADE 60-60 KSA, A-0.3. 300 PSF LOADING
4. INLETS / OUTLETS TO HAVE LOW PRESSURE POLYETHYLENE WATERTIGHT PIPE TO BOX CONNECTION.

2 Distribution Box
NOT TO SCALE

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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TETRA TECH
ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

Site Details - System No. 3

Drawn by:	Date:	Drawing No.:
DFL	10/20/2023	ZC504

T+ Project No.:
374866-23001.1

20190711.dwg

CONCRETE SEPTIC TANK SCHEDULE

FACILITY	VOLUME (GAL)	USABLE WATER DEPTH (IN)	RIM ELEVATION	INLET INVERT (TAPPING DIRECTION AND PIPE SIZE)	SECONDARY INLET INVERT (TAPPING DIRECTION AND PIPE SIZE)	OUTLET INVERT (TAPPING DIRECTION AND PIPE SIZE)	4" VENT INVERT (TAPPING DIRECTION)	2" PUMP RETURN INVERT (TAPPING DIRECTION)
SYSTEM NO. 1	18,000	60	422.58	419.00 (S 6")	----	418.75 (N 6")	419.50 (W)	420.00 (W)
SYSTEM NO. 2	10,000	60	434.80	427.90 (SW 4")	427.90 (SE 6")	427.60 (NW 6")	428.40 (NE)	428.90 (NE)
SYSTEM NO. 3	23,000	60	412.52	403.00 (NW 8")	----	402.75 (SE 8")	403.50 (SW)	402.00 (NW)

NOTES:
SEE INDIVIDUAL SYSTEM SHEETS FOR SEPTIC TANK DETAILS.
MOUNT TANK ON COMPACTED SUBGRADE AND FLOWABLE FILL CONCRETE SLAB AS INDICATED ON DETAILS.

ULTRA VIOLET TANK SCHEDULE

FACILITY	MINIMUM LENGTH CLEAR (FEET)	MINIMUM WIDTH CLEAR (FEET)	APPROX OVERALL HEIGHT OF STRUCTURE (MIN) (FEET)	RIM ELEVATION	INLET PIPE (PIPE SIZE AND DIRECTION)	OUTLET PIPE (PIPE SIZE AND DIRECTION)
SYSTEM NO. 1	11	6	6	410.14	6" (SE)	6" (NW)
SYSTEMS NO. 2 & 3	11	6	6	XXX	6" (SE)	6" (NW)

NOTES:
* SEE DETAIL FOR ENHANCED TREATMENT TANK DETAILS.
* MOUNT TANK ON COMPACTED SUBGRADE AND FLOWABLE FILL CONCRETE SLAB AS INDICATED
* PROVIDE CONNECTION TO EXISTING BUILDING MANAGEMENT SYSTEM FOR MONITORING AND ALARM CONDITIONS.

ENHANCED TREATMENT BLOWER SCHEDULE

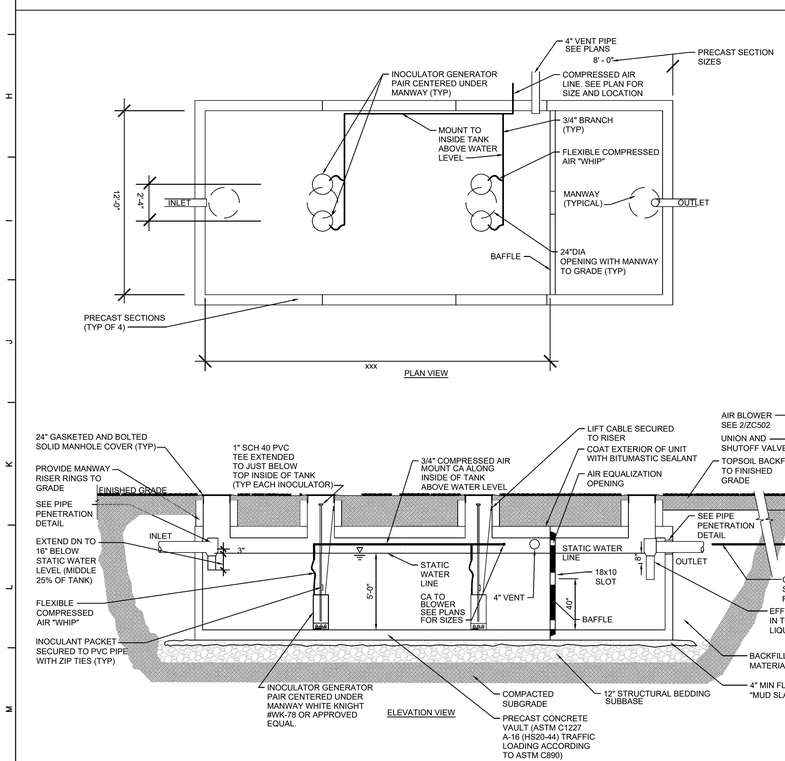
SCHOOL	HORSEPOWER	VOLTAGE	HERTZ	PHASE	RPM	MAX PRESSURE (INCHES OF WATER)
SYSTEM NO. 1	5	208-230	60	3	3450	105
SYSTEM NO. 2	5	208-230	60	3	3450	105
SYSTEM NO. 3	5	208-230	60	3	3450	105

NOTES:
* SEE DETAIL FOR ENHANCED TREATMENT AIR BLOWER DETAILS.
* MOUNT BLOWER ON CONCRETE SLAB AS INDICATED.

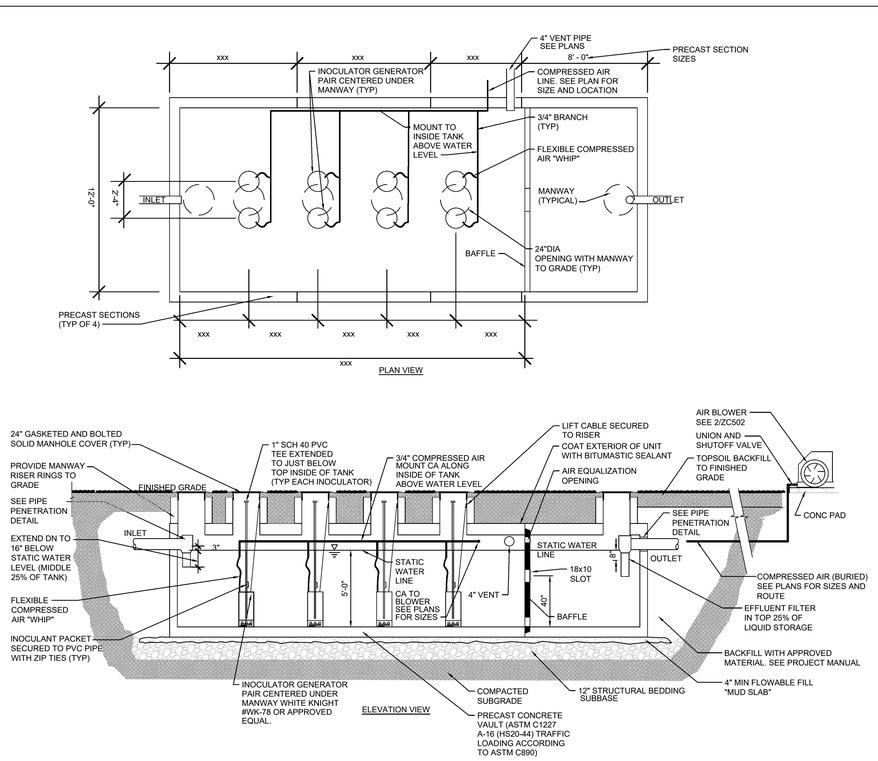
ENHANCED TREATMENT TANK SCHEDULE

FACILITY	VOLUME (GAL)	USABLE WATER DEPTH (IN)	RIM ELEVATION	INLET PIPE (PIPE SIZE AND DIRECTION)	OUTLET PIPE (PIPE SIZE AND DIRECTION)	AIR REQUIRED (CFM)	AIR PRESSURE REQUIRED (INCHES WC)
SYSTEM NO. 1	10,000	60	420.75	6" EAST	6" WEST	24	70
SYSTEM NO. 2	8,000	60	420.75	6" SOUTH	6" NORTH	24	70
SYSTEM NO. 3	20,000	60	420.75	6" NORTH	6" WEST	24	70

NOTES:
* SEE DETAILS FOR ENHANCED TREATMENT TANK DETAILS.
* MOUNT TANK ON COMPACTED SUBGRADE AND FLOWABLE FILL CONCRETE SLAB AS INDICATED. MOUNT BLOWER ON PAD OUTSIDE AS DETAILED.
* PROVIDE CONNECTION TO EXISTING BUILDING MANAGEMENT SYSTEM FOR MONITORING AND ALARM CONDITIONS.



1 System No 2 Enhanced Treatment System Detail
NOT TO SCALE



2 System No 3 Enhanced Treatment System Detail
NOT TO SCALE

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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INFORMATIONAL DOCUMENTS

Tetra Tech Engineers, Architects & Landscape Architects, P.C.

TETRA TECH
ARCHITECTS & ENGINEERS

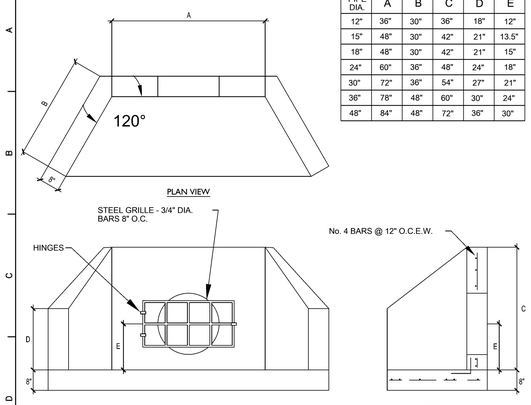
Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

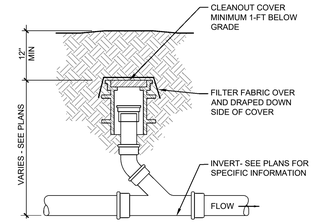
Site Details

Drawn by: DFL
Date: 10/20/2023
T+ Project No.: 374866-23001.1
Drawing No.: ZC505

DIMENSIONS					
PIPE DIA.	A	B	C	D	E
12"	36"	30"	36"	18"	12"
15"	48"	30"	42"	21"	13.5"
18"	48"	30"	42"	21"	15"
24"	60"	36"	48"	24"	18"
30"	72"	36"	54"	27"	21"
36"	78"	48"	60"	30"	24"
48"	84"	48"	72"	36"	30"

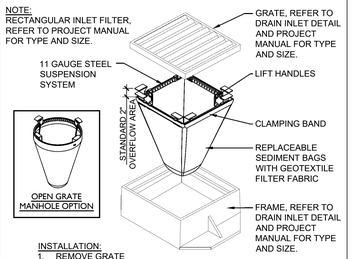


13 Wing Wall w/ Apron
N.T.S.



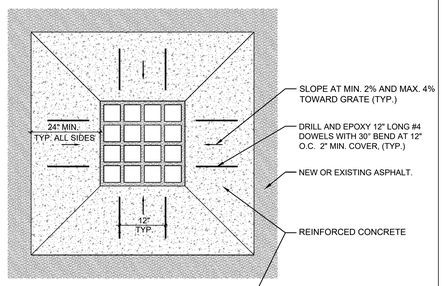
12 Buried Cleanout - Exterior
N.T.S.

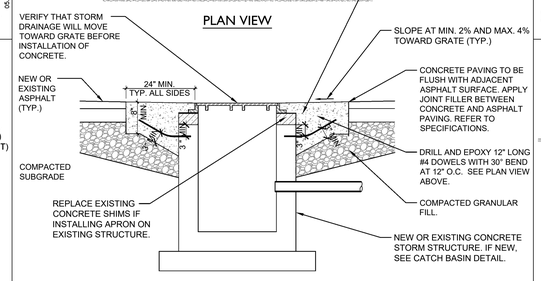
NOTE:
RECTANGULAR INLET FILTER. REFER TO PROJECT MANUAL FOR TYPE AND SIZE.



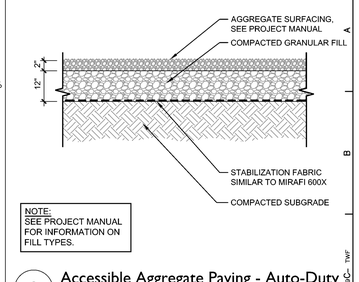
INSTALLATION:
1. REMOVE GRATE
2. DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

9 Drop Inlet Protection - Drop In Filter
NTS



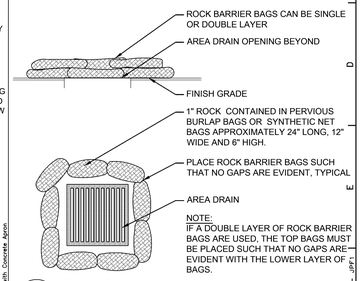


6 Concrete Apron at Catch Basin
NTS



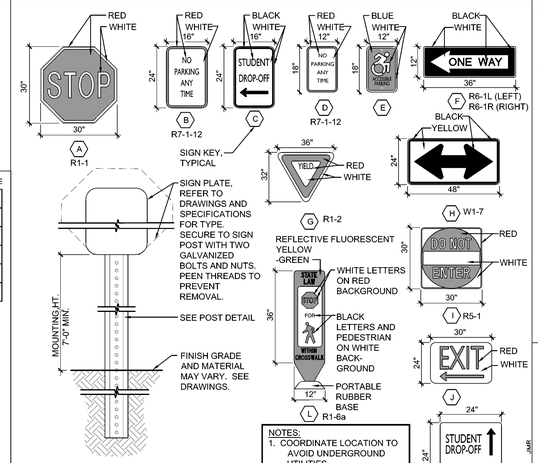
NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

1 Accessible Aggregate Paving - Auto-Duty
N.T.S. SECTION



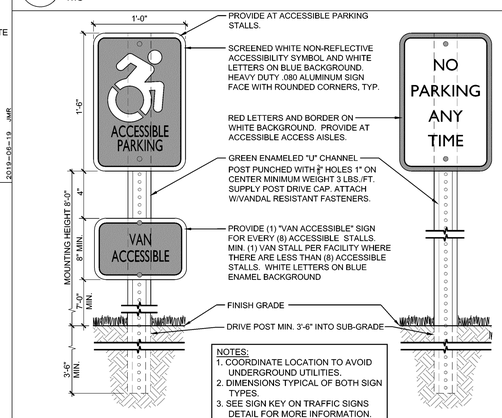
NOTE:
IF A DOUBLE LAYER OF ROCK BARRIER BAGS ARE USED, THE TOP BAGS MUST BE PLACED SUCH THAT NO GAPS ARE EVIDENT WITH THE LOWER LAYER OF BAGS.

2 Rock Barrier Bags
N.T.S.



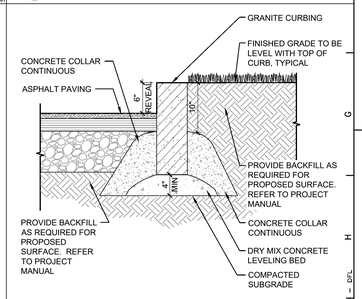
NOTES:
1. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
2. MOUNTING DIMENSIONS TYPICAL FOR SIGNS

10 Traffic Signs
NTS

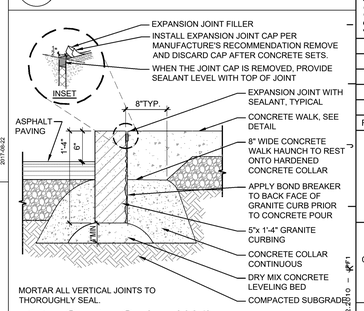


NOTES:
1. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
2. DIMENSIONS TYPICAL OF BOTH SIGN TYPES.
3. SEE SIGN KEY ON TRAFFIC SIGNS DETAIL FOR MORE INFORMATION.
4. VERIFY THAT ALL SIGNAGE SIZING AND COLOR MEETS CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) REGULATIONS.

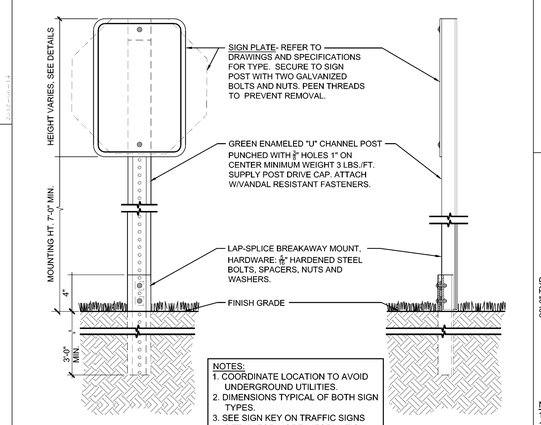
7 Accessible and No Parking Sign with - "U" Channel Post in Lawn
NTS



3 Granite Curb at Lawn
NTS

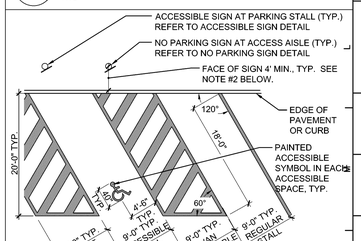


4 Granite Curb at Walk
NTS



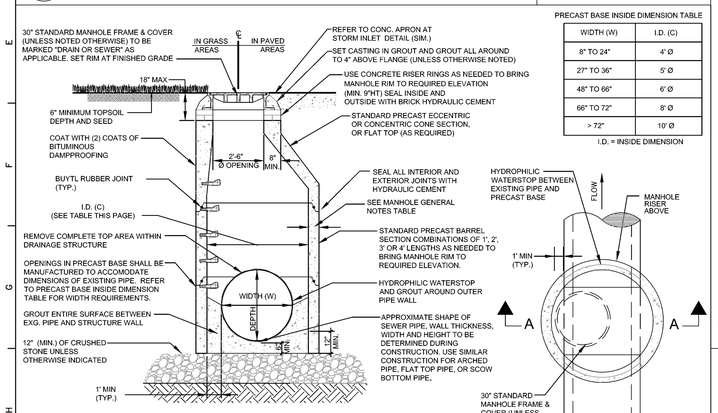
NOTES:
1. COORDINATE LOCATION TO AVOID UNDERGROUND UTILITIES.
2. DIMENSIONS TYPICAL OF BOTH SIGN TYPES.
3. SEE SIGN KEY ON TRAFFIC SIGNS DETAIL FOR MORE INFORMATION.

8 Sign "U" Channel Post in Lawn - Breakaway Mount
NTS



NOTES:
1. LINE WIDTHS SHALL BE 4" UNLESS OTHERWISE INDICATED.
2. IF WALK EXISTS ADJACENT TO PVMT. , INSTALL SIGNS 6" BEYOND EDGE OF WALK IN LAWN.
3. REFER TO PROJECT MANUAL SECTION 10 14 53, TRAFFIC SIGNAGE.

5 Painted Line Striping - 60 deg.
N.T.S.



PRECAST BASE INSIDE DIMENSION TABLE

WIDTH (W)	I.D. (C)
8" TO 24"	4' Ø
27" TO 36"	5' Ø
48" TO 66"	6' Ø
66" TO 72"	8' Ø
> 72"	10' Ø

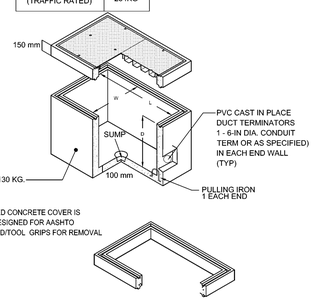
I.D. = INSIDE DIMENSION

NOTES: 1. CONSTRUCT CONCRETE BENCH TO MATCH INVERTS.

14 Doghouse Manhole
N.T.S.

NON ADJUSTABLE COVERS	
DESIGN LOAD	~WEIGHT
H-20 (AASHTO) (TRAFFIC RATED)	254KG

* AMERICAN ASSOC OF SAFETY HWY OFFICIALS (AASHTO)



NOTE:
STEEL REINFORCED CONCRETE COVER IS ACCEPTABLE IF DESIGNED FOR AASHTO LOADING AND HAND/TOOL GRIPS FOR REMOVAL

11 Pull Box
NTS

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

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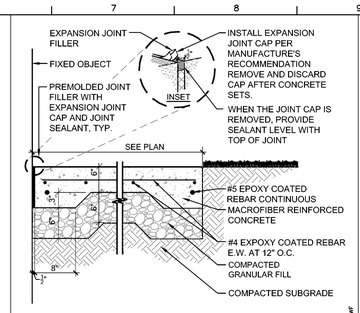
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

Site Details

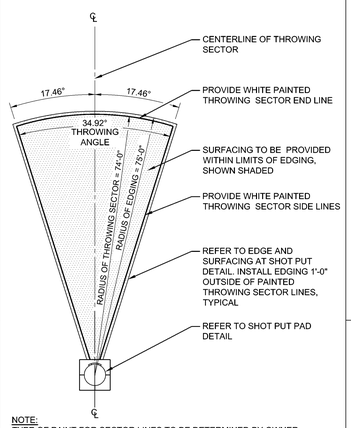
Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	ZC506

T+ Project No.: 374866-23001.1



12 Reinforced Concrete Pad
N.T.S.

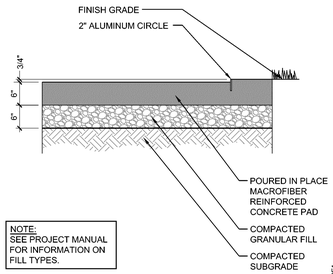
05.07.2018 – TWF



NOTE:
TYPE OF PAINT FOR SECTOR LINES TO BE DETERMINED BY OWNER.

8 Shot Put Throwing Sector Layout
NTS

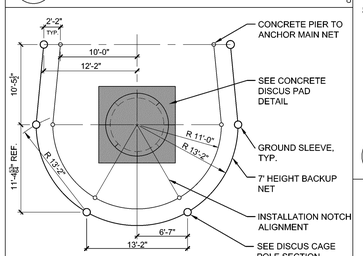
02.2010 – JPF1



NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

9 Discus Pad Section
NTS

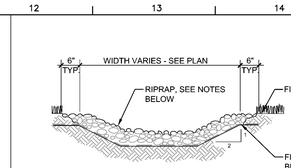
02.2010 – JPF1



NOTE:
SEE LAYOUT PLAN FOR MORE INFORMATION. ADJUST PER MFG. INSTALLATION INSTRUCTIONS.

10 Discus Cage
NTS

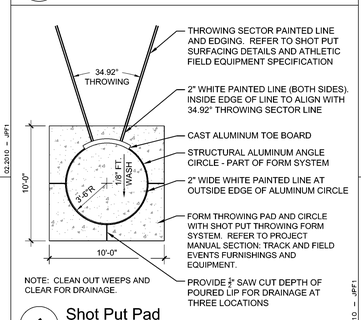
11.2009 – DFL



RIP-RAP SPECIFICATIONS:
1. MEDIAN STONE DIAMETER = 6"; 50% BY WEIGHT OF RIPRAP MIXTURE TO BE 6"; 25% TO BE 9"; 25% TO BE 3".
2. RIPRAP STONE TO BE CLEAN WASHED STONE, 10" TO 12" TYPICAL DEPTH.
3. FILTER FABRIC TO BE SIMILAR TO MIRAFI 140N, BY MIRAFI, INC.

5 Rip-Rap
NTS

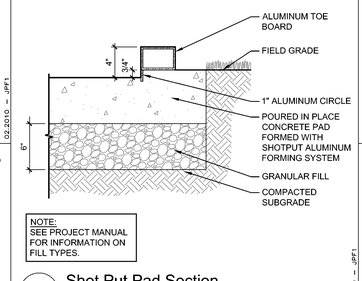
RIP-RAP



NOTE: CLEAN OUT WEEPS AND CLEAR FOR DRAINAGE.

6 Shot Put Pad
NTS

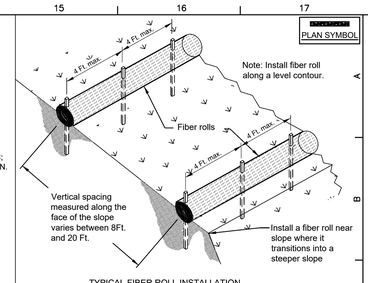
02.2010 – JPF1



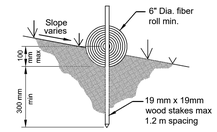
NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

7 Shot Put Pad Section
NTS

02.2010 – JPF1



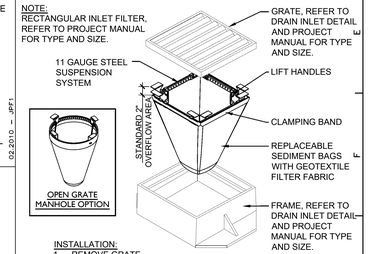
TYPICAL FIBER ROLL INSTALLATION
N.T.S.



ENTRENCHMENT DETAIL
N.T.S.

1 Erosion Control Fiber Roll
NTS

05.2018 – JPF1

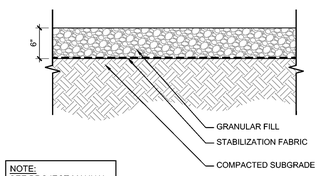


NOTE:
RECTANGULAR INLET FILTER, REFER TO PROJECT MANUAL FOR TYPE AND SIZE.

INSTALLATION:
1. REMOVE GRATE
2. DROP INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

2 Drop Inlet Protection - Drop In Filter
NTS

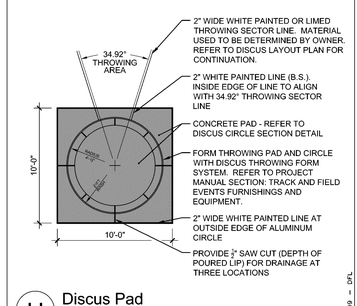
05.11.12 – DFL



NOTE:
SEE PROJECT MANUAL FOR INFORMATION ON FILL TYPES.

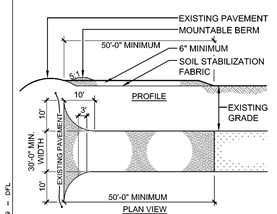
3 Construction Access Road
NTS

02.2010 – JPF1



11 Discus Pad
NTS

06.2009 – DFL



NOTE:
PROVIDE THE STABILIZED CONSTRUCTION ENTRANCE PER DETAIL AT ENTRANCE WHERE INDICATED ON PLANS. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CONSTRUCTION.

CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE NO. 4 STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED BUT NOT LESS THAN 50'.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - THIRTY (30) FEET MINIMUM BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE EGRESS OCCURS.
5. SOIL STABILIZATION FABRIC - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACEMENT OF STONE.
6. SURFACE WATER - SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH A 5H:1V SLOPE SHALL BE CONSTRUCTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO EXIT ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE, WHICH DRAINS INTO AN ARCHITECT APPROVED SEDIMENT TRAPPING DEVICE.
9. REGULAR INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS REQUIRED.

4 Stabilized Construction Entrance
NTS

2019-03-10 – TWF

S.E.D. Control No. 05-04-01-04-5-002-010
S.E.D. Control No. 05-04-01-04-0-004-025
S.E.D. Control No. 05-04-01-04-0-001-039

Rev. No.:	Date:	Description:

02.2010 – JPF1

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ARCHITECTS & ENGINEERS

Cato-Meridian Central School District
Cato, New York

Reconstruction to:
Cato-Meridian Central Schools

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Drawn by:	Date:	Drawing No.:
JRS	10/20/2023	ZC507

T+ Project No.: 374866-23001.1