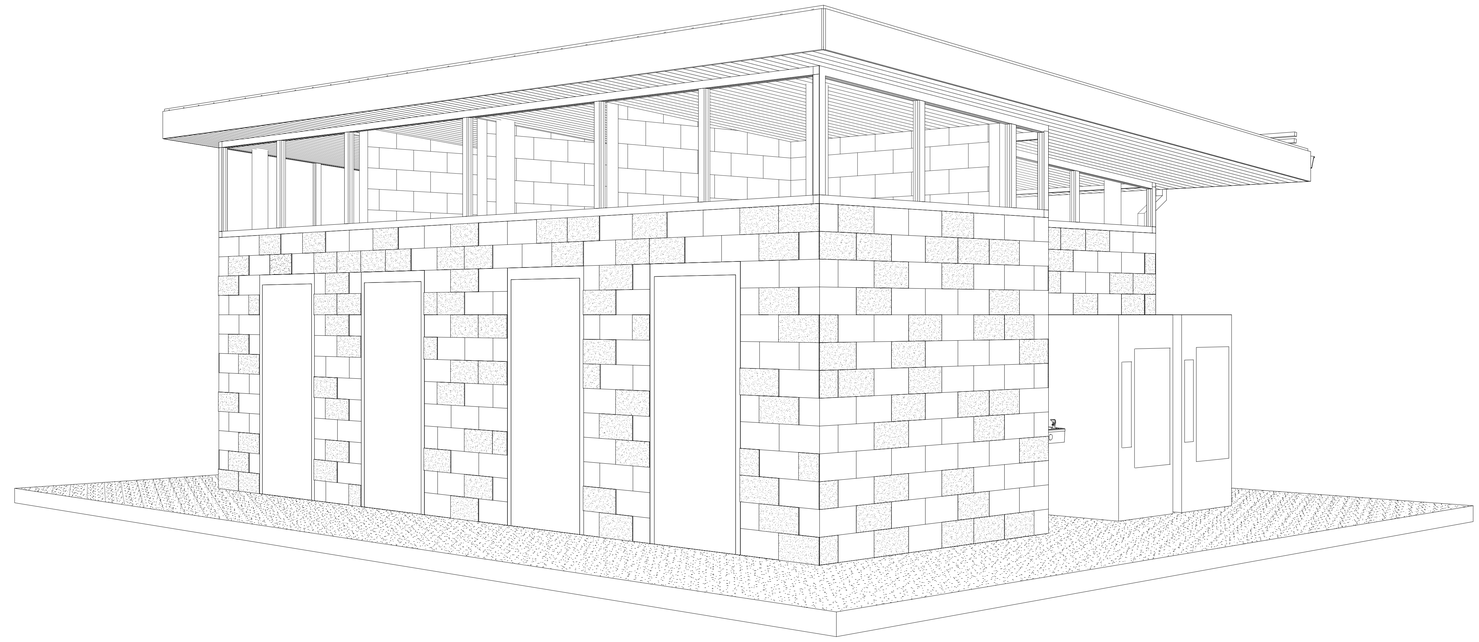
TOWN OF MONTOUR

HAVANA GLEN PARK IMPROVEMENTS EPF237411

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

CONTRACT DOCUMENTS

LIST OF DRAWINGS:



10/14/2025

ISSUED FOR BID 12/01/2025

HUNT PROJECT NO.: 1544-010

THIS IS TO CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF - THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PROVISIONS AND BUILDING CODE, THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, AND THE NEW YORK STATE ENERGY CONSERVATION CODE.

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

SITEWORK SYMBOLS

- CONTROL POINT
- UTILITY POLE W/ ANCHOR
- SIGN
- EXG. WATER VALVE
- NEW WATER VALVE
- UTILITY POLE W/ LIGHT
- STREET LIGHT
- EXG. FIRE HYDRANT
- NEW FIRE HYDRANT
- CATCH BASIN/ DRYWELL
- CURB BOX VALVE
- EXISTING DECIDIOUS TREE
- EXISTING CONIFEROUS TREE
- X 941.5 — EXG. ELEVATION
- +941.5 — NEW ELEVATION
- G — GAS LINE
- EXISTING MANHOLE
- NEW MANHOLE
- 90 — NEW CONTOUR*
- E — EXISTING ELECTRIC*
- W — WATER LINE*
- SAN — SANITARY LINE*
- TEL — TELEPHONE LINE*
- ST — STORM SEWER*
- O/H — OVERHEAD UTILITY
- UGE — UNDERGROUND ELECTRIC*
- ROAD CENTER LINE
- *LINES SHOWN AS SCREENED(GRAY) DENOTE EXISTING
- EDGE OF STREAM OR SWALE
- SHUBBERY, WOODS
- EXISTING CULVERT
- NEW CULVERT WITH END SECTION

SITEWORK SYMBOLS

- TP-* — TEST PIT
- TH-* — TEST HOLE
- RIP RAP
- COORDINATE POINT LOCATION
- 5/8" REBAR WITH SURVEY CAP SET
- EXISTING IRON ROD
- EXISTING IRON PIPE
- UTILITY POLE
- ORIGINAL LOT LINE
- DEED LINE
- PROPERTY LINE — R
- EXISTING FENCE — x — x —
- NEW FENCE
- GUARD RAIL
- EASEMENT LINE
- CONCRETE MONUMENT

PLUMBING SYMBOLS

- (CW) — DOMESTIC COLD WATER PIPING
- (HW) — DOMESTIC HOT WATER PIPING
- (HWR) — DOMESTIC RECIRCULATING WATER PIPING
- SHUT OFF VALVE
- POINT OF CONNECTION
- SPRINKLER HEAD
- VOLUME DAMPER
- (G) — NATURAL GAS PIPING
- BELOW SLAB SANITARY PIPING
- ABOVE SLAB SANITARY PIPING
- ST — BELOW SLAB STORM(ROOF DRAINAGE) PIPING
- RD — ABOVE SLAB STORM(ROOF DRAINAGE) PIPING
- V — (V) — SANITARY VENT PIPING
- CD — (CD) — CONDENSATE DRAIN PIPING
- EXISTING PIPING TO REMAIN.

PLUMBING SYMBOLS

- EXISTING PIPING AND EQUIPMENT TO BE REMOVED
- CHECK VALVE
- FLOOR PENETRATION
- AW — ACID WASTE
- AV — ACID VENT
- HOT WATER SUPPLY PIPING
- HOT WATER RETURN PIPING
- C — CONDENSATE DRAIN PIPING
- RS — REFRIGERANT SUCTION PIPING
- RL — REFRIGERANT LIQUID PIPING
- EXG. PIPING & EQUIPTMENT TO REMAIN
- (OR) — SHUT-OFF VALVE
- TOP-PIPE CONECT
- BOTTOM-PIPE CONNECTION
- BALANCING VALVE/ AUTOMATIC FLOW/ CONTROL FITTING/ SPRINKLER UPRIGHT

HVAC SYMBOLS

- AAD — AUTOMATIC DAMPER
- D-1 / 100 — DIFFUSER NUMBER CFM
- G-1 / 300 — GRILLE NUMBER CFM
- R-1 / 300 — REGISTER NUMBER CFM
- DUCT W/ MANUAL VOLUME DAMPER
- SUPPLY AIR DIFFUSER
- GRILLER OR REG.
- FD — FIRE DAMPER
- T — THERMOSTAT
- TG — THERMOSTAT W/GUARD
- S — SENSOR
- MITERED ELBOW W/ TURNING VALVES
- 10/8 — FIRST NUMBER IS SIZE SHOWN FOR DUCT WIDTH

HVAC SYMBOLS

- POINT OF CONNECTION
- DUCT DOWN
- DUCT UP
- DUCT PENETRATION THRU FLOOR OR ROOF ABOVE SUPPLY
- DUCT PENETRATION THRU FLOOR OR ROOF ABOVE EXHAUST OR RETURN

ELECTRICAL SYMBOLS

- NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MAGNETIC STARTER
- COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH
- PP — FLUSH WALL MOUNTED POWER PANEL
- PP — SURFACE MOUNTED POWER PANEL
- CP-1 — MOTOR TYPE ELECTRICAL LOAD
- HD — HAND DRYER / HAIR DRYER ELEC. LOAD
- XX — UV-UNIT VENT
AHU-AIR HANDLING UNIT
FC- FAN COIL UNIT
P-PUMP
EF-EXHAUST FAN
CU-CONDENSING UNIT
- DUPLEX RECEPTACLE WALL MOUNTED
GFI-GROUND FAULT CIRCUIT INTERRUPT
IG-ISOLATED GROUND TYPE
WP-GROUND FAULT TYPE IN WATERPROOF CAST ALUMINUM HOUSING
AC-MNT. ABOVE COUNTER BACKSPLASH
BC-MNT. BELOW COUNTER
- A 14-50R — SPECIAL RECEPTACLE WITH NEMA CONFIGURATION SHOWN
- CB — LARGE CAPACITY COMMUNICATIONS BOX WITH 2-GANG OPENING
- QUAD RECEPTACLE
- $ — TOGGLE SWITCH
- $K — KEYED TYPE TOGGLE SWITCH
- $D — 0-10V DIMMING SWITCH
- $VS — VACANCY SENSOR TYPE SWITCH
- CEILING MOUNTED DOWN LIGHT FIXTURE
- TRACK LIGHTING WITH FIXTURES
- STRIP TYPE LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- 2'X4' RECESSED LIGHT FIXTURE EM-DENOTED EMERGENCY FIXTURE, CONNECTED TO EMERGENCY CIRCUIT; NL-DENOTES NITE LIGHT CKT. TYPES VARY REFER TO FIXTURE SCHEDULE
- PENDANT MOUNTED LIGHT FIXTURE

ELECTRICAL SYMBOLS

- CEILING MOUNTED EXIT SIGN(SINGLE FACE)
- WALL MOUNTED EXIT SIGN (DUAL FACE) ARROWS FOR EGRESS PATH DIRECTION
- EXTERIOR WALL MOUNTED LIGHT FIXTURE
- EMERGENCY EGRESS BATTERY BACKUP LIGHT FIXTURE
- OC — CEILING MOUNTED VACANCY SENSOR
- FAA — FIRE ALARM ANNUNCIATOR
- FACP — FIRE ALARM CONTORL PANEL
- RA — "AREA OF RESCUE ASSISTANCE" MAIN CONTROL STATION
- RR — "AREA OF RESCUE ASSISTANCE" INTERCOM STATION
- ARA — ILLUMINATED "AREA OF RESCUE ASSISTANCE" SIGNAGE
- F — MANUAL FIRE ALARM PULL STATION
- H — RATE OF RISE HEAT DETECTOR
- F 195 — FIXED HEAT DETECTOR
- VN — VISUAL NOTIFICATION STROBE
- S — SMOKE DETECTOR
- SD — DUCT SMOKE DETECTOR
- FC — FIRE ALARM VISUAL ANNUNCIATOR
- FC — FIRE ALARM AUD.-VIS. ANNUNCIATOR
- M — MAGNETIC DOOR HOLDER
- P1-1 — HOME RUN OF WIRE AND CONDUIT

TECHNOLOGY SYMBOLS

- CABLE TRAY
- FO FO FO — FIBER OPTICAL CABLING
- FLOOR POKE-THRU
- MULTI COMPARTMENT POWER POLE
- FB — FLOOR BOX
- PB — PULL BOX
- MULTI COMPARTMENT SURFACE RACEWAY
- # — DATA OUTLET
= QUANTITY OF DATA OUTLETS IN FACEPLATE IF GREATER THAN ONE
- WAP — WIRELESS ACCESS POINT
- 48" — WALL MOUNT STYLE TELEPHONE
- ### — IP TELEPHONE
LOCATION ### =
PHONE TYPE
- S — CEILING MOUNT SPEAKER
- S — WALL MOUNT SPEAKER
- S — HORN TYPE SPEAKER
- VC — SPEAKER VOLUME CONTROL
- C|S — CLOCK/SPEAKER
- C — CLOCK
- TV — TELEVISION OUTLET
- PROJ — PROJECTOR

TECHNOLOGY SYMBOLS

INTERACTIVE DISPLAY — DIGITAL INTERACTIVE DISPLAY

- DAV — AUDIO/VIDEO CONNECTIONS
- SECURITY CAMERA — # = CAM NUMBER, ## = CAM. TYPE
- CR — CARD READER
- IC — INTERCOM
- DC — DOOR CONTRACT SWITCH
- REX — REQUEST TO EXIT SENSOR
- DS — ELECTRIC DOOR LOCK DEVICE (DOOR STRIKE)
- LIGHTNING ARRESTOR

GENERAL SYMBOL ANNOTATIONS

"E"	=EXISTING TO REMAIN
"R"	=EXISTING TO BE REPLACED
"RE"	=EXISTING TO BE RELOCATED
"WG"	=PROVIDE WIRE GUARD
"W-MT"	=WALL MOUNT

- PD — COMMUNICATIONS RACEWAY DEVICE LOCATION
- CB — COMMUNICATIONS BACKBOX LOCATION
- BL — BLUE LIGHT
- C — DIGITAL CLOCK
- C C — DOUBLE SIDED WALL MOUNTED CLOCK
- HC — HANDICAP DOOR ACTUATOR
- ACP — ACCESS CONTROL PANEL
- S AL — ASSISTIVE LISTENING CEILING SPEAKER
- S AL — ASSISTIVE LISTENING WALL SPEAKER
- AL — ASSISTIVE LISTENING CONTROLLER
- IR — IR SPEAKER
- TV — DIGITAL SIGN
- SCREEN — PROJECTION SCREEN
- PB — PUSH BUTTON
- LB — LOCKDOWN BUTTON
- S-IP — WALL MOUNTED IP SPEAKER
- S-IP — CEILING MOUNTED IP SPEAKER

ARCHITECTURAL SYMBOLS

- ROOM NAME, NUMBER, & APPROXIMATE AREA
- BUILDING SECTION CALLOUT
- WALL SECTION/ DETAIL SECTION
- INTERIOR ELEVATION CALLOUT
- EXTERIOR ELEVATION CALLOUT
- DETAIL/TITLE NUMBER
- NEW COLUMN GRID LINE
- EXISTING COLUMN GRID LINE
- CUT LINE
- MATCH LINE
- CENTERLINE
- ELEVATION INDICATOR
- CASEWORK NUMBER & TYPE - REFER TO CASEWORK SCHEDULE
- WINDOW NUMBER
- DOOR NUMBER
- WALL PARTITION TYPE
- D# — DEMOLITION KEYNOTE
- # — DRAWING KEYNOTE
- MARKERBOARD AND TACKBOARD TYPES
- TOILET ACCESSORY TAG
- FEC — FIRE EXTINGUISHER CABINET
- ELEVATION MARK OR COORDINATE POINT
- RD — ROOF DRAIN
- SLOPE
- V — VENT PIPE
- EXHAUST HOOD

ARCHITECTURAL SYMBOLS

- EXISTING WALL/ CONSTRUCTION TO REMAIN
- DEMOLITION WORK
- NEW MASONRY WALL CONSTRUCTION
- NEW STUD WALL CONSTRUCTION

ARCHITECTURAL MATERIAL SYMBOLS

- EARTH/COMPACT FILL
- POROUS FILL/GRAVEL
- CONCRETE/ STRUCTURAL CONCRETE
- SAND/ ARCHITECTURAL PRECAST CONCRETE
- BRICK/BRICK PAVERS
- CONCRETE MASONRY
- STEEL
- FINISH WOODWORK
- NOMINAL CUT LUMBER, CONTINUOUS BLOCKING
- BLOCKING SHIM
- PLYWOOD/ PARTICLEBOARD
- PLASTIC/ SOLID SURFACE
- BATT INSULATION
- RIGID INSULATION
- FIREPROOFING
- GLAZING
- LATH AND PLASTER
- CARPET
- TERRAZZO
- CERAMIC TILE - SECTION
- GYPSUM WALL BOARD

DRAWN BY:	ECW
CHECKED BY:	MLS
DATE:	10/14/2025
PHASE:	CD

#	DATE:	DESCRIPTION OF REVISION:
1	12/01/2025	ISSUED FOR BID

"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR LAND SURVEYOR'S SEAL."

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22001314641

SYMBOLS & ABBREVIATIONS

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

G1.1

PROJECT NO: 1544-010

A	AREA
A/C	AIR CONDITIOING COOLING
AB	ANCHOR BOLTS
ABV	ABOVE
AC	ALTERNATING CURRENT
ACT	ACOUSTICAL TILE
AD	AREA DRAIN
ADD	ADDENDUM
ADH	ADHESIVE
ADJ	ADJACENT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLER
AL	ALUMINUM
ALIGN	ALIGNMENT
ALLOW	ALLOWANCE
ALT	ALTERNATE
AMP	AMPERAGE
ANC	ANCHOR(AGE)
ANOD	ANODIZED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASBC	ASBESTOS CONTRACTOR
ASPH	ASPHALT
AUX	AUXILIARY
AVG	AVERGAGE
AWG	AMERICAN WIRE GAGE
BCJ	BRICK CONTROL JOINT
BCU	CLOWER COIL UNIT
BD	BOARD
BEJ	BRICK EXPANSION JOINT
BEL	BELOW
BEV	BEVELED
BF	BOARD FEET
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCH MARK
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BPL	BEARING PLATE
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BS	BOTH SIDES
BTU	BRITISH THERMAL UNITS
BUR	BUILT-UP ROOF
BW	BOTH WAYS
C	CHANNEL
C-C	CENTER TO CENTER
CAB	CABINET
CAP	CAPACITY
CB	CATCH BASIN
CBF	HUNDRED BOARD FEET
CD	COLD DRAWN
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FOOT
CFLG	COUNTER FLASHING
CFM	CUBIC FOOT/MINUTE
CFMF	COLD-FORMED METAL FRAMING
CFS	CUBIC FEET/SECOND
CH	CABINET HEATER
CHBD	CHALKBOARD
CI	CAST IRON
CIP	CAST-IN PLACE CONCRETE
CIR	CIRCLE
CJ	CONTROL JOINT
CK	CAULK(ING)
CLG	CEILING

CLO	CLOSET
CLR	CLEAR(ANCE)
CLS	CLOSURE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, COMPANY
COL	COLUMN
COMB	COMBINATION
COMP	COMPRESS(ED), (ION), (IBLE)
CON	CONNECTOR, CONNECTION
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUE
CONTR	CONTRACT(OR)
COORD	COORDINATE
CP	CLAY PIPE
CPG	COPING
CPR	COPPER
CPT	CARPET(ED)
CR	COLD ROLLED
CRS	COURSE(S)
CSMT	CASEMENT
CST	CAST STONE
CT	CERAMIC TILE
CTR	COUNTER
CU	CUBIC
CULV	CULVERT
CV	CHECK VALVE
CW	COLD WATER
CY	CUBIC YARD
DBL	DOUBLE
DC	DIRECT CURRENT
DEG	DEGREE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DL	DEAD LOAD
DLV	DOOR LOUVER
DN	DOWN
DOZ	DOZEN
DP	DAMP-PROOFING
DPR	DAMPER
DR	DOOR
DS	DOUNSPOUT
DT	DRAIN TILE
DTA	DOVETAIL ANCHOR
DTL	DETAIL
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENC	ENCLOSE, ENCLOSURE
ENG	ENGINEER
ENT	ENTRANCE
EOC	EVERY OTHER COURSE
EOD	EDGE OF DECK
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL BOARD
EQ	EQUAL
EQP	EQUIPMENT
EST	ESTIMATE(D)
EW	EACH WAY
EWC	ELECTRICAL WATER COOL
EWF	ELECTRIC WALL FAN
EXC	EXCAVATE

EXG	EXISTING
EXH	EXHAUST
EXP	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM, FRESH AIR
FAI	FRESH AIR INTAKE
FAS	FASTENER
FB	FACE BRICK
FBD	FIBERBOARD
FBO	FINISHED BY OTHERS
FC	FAN COIL
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FDR	FOLDING DOOR
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FGL	FIBERGLASS
FIG	FIGURE
FIN	FINISH(ED)
FLCO	FLOOR CLEANOUT
FLEX	FLEXIBLE
FLG	FLASHING
FLOUR	FLOURESCENT
FLR	FLOOR(ING)
FND	FOUNDATION
FO	FRAMED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIREPROOF
FPL	FLOOR PLATE
FR	FRAME(D), (ING)
FRT	FIRE-RETARDANT
FT	FOOT (')
FTG	FOOTING
FUR	FURRED, FURRING
FURN	FURNITURE
FXT	FIXTURE
GA	GAGE, GAUGE
GALV	GALVANIZED
GAS	GAS
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GCMU	GLAZED CMU
GD	GRADE, GRADING
GF	GRANULAR FILL
GFI	GROUND FAILT INTERRUPTER
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GP	GALVANIZED PIPE
GPM	GALLONS PER MINUTE
GSS	GALVANIZED STEEL SHEET
GST	GLAZED STRUCTURAL TILE
GVL	GRAVEL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HB	HOSE BIB
HC	HVAC CONTRACTOR
HCP	HANDICAP
HD	HEAVY DUTY
HDJT	HEAD JOINT
HDR	HEADER
HDW	HARDWARE
HH	HANDHOLE
HI	HEIGHT OF INSTRUMENT
HK	HOOK(S)
HM	HOLLOW METAL
HOR	HORIZONTAL
HP	HORSEPOWER

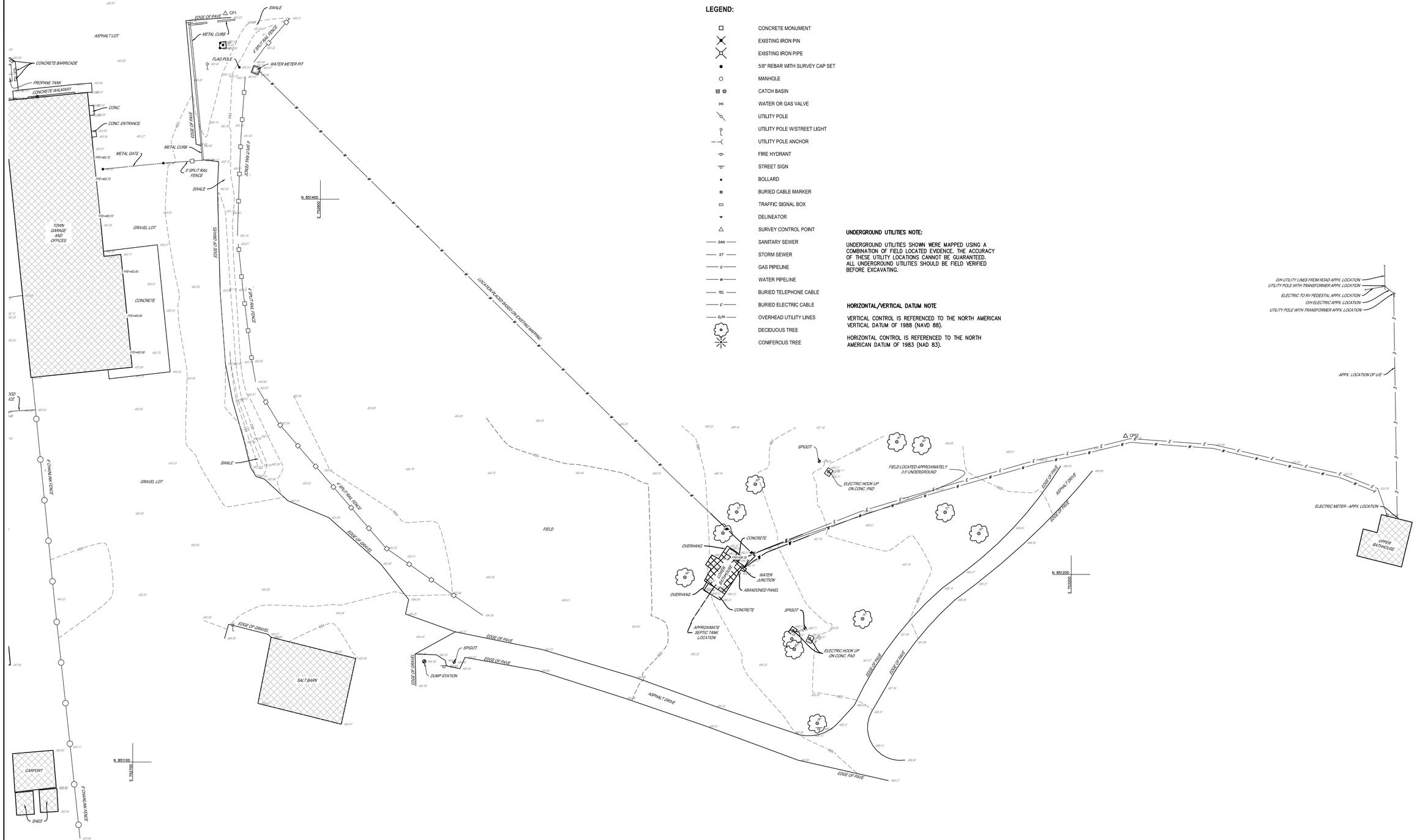
HR	HANDRAIL
HT	HEIGHT
HTG	HEATING
HTR	HEATER
HTX	HEAT EXCHANGER
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
HWH	HOT WATER HEATER
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCH (")
INCIN	INCINERATOR
INCL	INCLUDE(D), INCLUDING
INFO	INFOMRATION
INS	INSULATE(D)
INT	INTERIOR
INV	INVERT (ELEVATION)
IP	IRON PIPE / IRON PIPE SIZE
JC	JANITORS CLOSET
JF	JOINT FILLER
JNT	JOINT
JST	JOIST
KIT	KITCHEN
KO	KNOCKOUT
KPL	KICKPLATE
L	LENGTH
LAB	LABORATORY
LAD	LADDER
LAM	LAMINATE(D)
LAT	LATITUDE
LAV	LAVATORY
LBL	LABEL
LF	LINEAR FOOT
LH	LEFT HAND
LIC	LICENSE(D)
LIN	LINEAR
LINO	LINOLEUM
LIQ	LIQUID
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMS	MINESTONE
LONG	LONGITUDE, LONGITUDINAL
LP	LIGHT PANEL
LPT	LOW POINT
LRG	LARGE
LT	LIGHT
LTL	LINTEL
LVR	LOUVER
LVT	LUXURY VINYL TILE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MBF	1000 BOARD FEET
MBR	MEMBER
MC	MECHANICAL CONTRACT(OR)
MECH	MECHAIC(AL)
MED	MEDIUM
MFD	MANUFACTURED
MFG	MANUFACTURING
MFR	MANUFACTURE(R)
MGR	MANAGER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MKBD	MARKERBOARD
MLD	MOULDING, MOLDING
MMB	MEMBRANE

MNT	MOUNT(ED), (ING)
MO	MASONRY OPENING
MOD	MODULAR
MON	MONUMENT
MOV	MOVABLE
MRB	MARBLE
MRD	METAL ROOF DECKING
MTFR	METAL FURRING
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
MWK	MILLWORK
N/F	NOW OR FORMERLY
NA	NOT AVAILABLE/APPLICABLE
NAT	NATURAL
NEC	NATIONAL ELECTRIC CODE
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NL	NAILABLE
NMT	NON-METALLIC
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NS	NEAR SIDE
NTS	NOT TO SCALE
O/H	OVERHEAD
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER(S)
OD	OUTSIDE DIAMETER
OFF	OFFICE
OHG	OVERHANG
OPG	OPENING
OPH	OPPOSITE HAND
OPP	OPPOSITE
OPS	OPPOSITE SURFACE
ORIG	ORIGINAL
OWSJ	OPEN-WEB STEEL JOIST
PA	PUBLIC ADDRESS
PAR	PARALLEL
PB	PANIC BAR
PBD	PARTICLE BOARD
PC	PLUMBING CONTRACT(OR)
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PE	PORCELAIN ENAMEL
PEN	PENETRATION
PERF	PERFORATE(D)
PERI	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PFB	PREFABRICATE(D)
PFN	PREFINISHE(D)
PG	PLATE GLASS
PKG	PARKING
PL	PLATE
PLAM	PLATIC LAMINATE
PLAST	PLASTER
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLS	PLASTIC
PNL	PANEL
PNT	PAINT(ED)
POB	POINT OF BEGINNING
PR	PAIR
PRF	PREFORMED
PROJ	PROJECT
PRT	PRESERVATIVE TREATED
PSC	PRE-STRESSED CONCRETE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PTD	PAPER TOWEL DISPENSER

PTM	PATCH TO MATCH
PTN	PARTITION
PTR	PAPER TOWEL RECEPTOR
PV	PAVE(D), PAVING
PVC	POLYVINYL CHLORIDE
PVCP	PVC PIPE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
R	RISE(R)
RA	RETURN AIR
RAD	RADIUS
RBC	RUBBERIZED
RBT	RABBET
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE, REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIDERATOR, REFRIDGERATED
REG	REGISTER
REINF	REINFORCE(D), REINFORCING
REQ	REQUIRED
RES	RESILIENT
RET	RETURN
REV	REVISED, REVISION(S)
RFG	ROOFING
RFH	ROOF HATCH
RFL	REFLECT(ED), (IVE), (OR)
RH	RIGHT HAND
RIM	RIM (ELEVATION)
RL	RAIL(ING)
RM	ROOM
RMV	REMOVE
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RP	RADIENT PANEL
RPM	REVOLUTIONS PER MINUTE
RS	REINFORCING STEEL
RT	RUBBER TILE
RTE	ROUTE
RWC	RAINWATER CONDUCTOR
SAN	SANITARY (SEWAR)
SB	SPLASH BLOCK
SC	SOLIDCORE
SCH	SCHEDULE
SCN	SCREEN
SD	STORM DRAIN
SDG	SIDING
SEC	SECTION
SF	SQUARE FOOT
SFGL	SAFETY GLASS
SGT	STRUCTURAL GLAZED TILE
SH	SHELF, SHELVING
SHT	SHEET
SHTG	SHEATHING
SHWR	SHOWER
SIM	SIMILAR
SKL	SKYLIGHT
SL	SLEEVE
SNT	SEALANT
SP	SOUND PROOF
SPC	SPACER
SPEC	SPECIFICATION(S)
SPKR	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STA	STATION
STC	SOUND TRANSMISSION COEFFICIENT

STD	STANDARD
STL	STEEL
STN	STAIN(ED)
STOR	STORAGE
STR	STRUCTURAL
SUBSTR	SUBSTRUCTURE
SUPT	SUPERINTENDENT
SURF	SURFACE
SUSP	SUSPENDED
SW	SWITCH
SY	SQUARE YARD
SYS	SYSTEM
T	TREAD
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TAB	TABULATE
TC	TERRA COTTA
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERATURE
TF	TRANSPARENT FINISH
THK	THICK(NESS)
THR	THRESHOLD
TKBD	TACKBOARD
TKS	TACKSTRIP
TMBR	TERMINATION BAR
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOPO	TOPOGRAPHIC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TR	TRANSON
TRM	TOILET ROOM
TV	TELEVISION, CABLE
TWP	TOWNSHIP
TYP	TYPICAL
TZ	TERRAZZO
U/G	UNDERGROUND
UC	UNDERCUT
UH	UNIT HEATER
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UNP	UNPAINTED
UR	URINAL
UV	UNIT VENTILATOR
V	VOLT
VB	VINYL/RUBBER BASE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FABIRC
VIF	VERIFY IN FIELD
VIN	VINYL
VJ	V-JOINT(ED)
VOL	VOLUME
VWC	VINYL WALL COVER
W	WIDE, WIDTH
W/	WITH
W/O	WITHOUT
WB	WOODBASE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WD	WOOD
WDW	WINDOW
WF	WALL FIN RADIATION
WG	WIRE(ED) GLASS

WH	WALL HYDRANT
WHB	WHEEL BUMPER
WI	WROUGHT IRON
WM	WIRE MESH
WP	WATERPROOF(ED), (ING)
WR	WATER REPELLENT
WS	WATERSTOP
WSCT	WAINSCOT
WT	WEIGHT
WTW	WALL TO WALL
WV	WET VENT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
XSECT	CROSS SECTION
YD	YARD
YR	YEAR



LEGEND:

- CONCRETE MONUMENT
- EXISTING IRON PIN
- EXISTING IRON PIPE
- 5/8" REBAR WITH SURVEY CAP SET
- MANHOLE
- CATCH BASIN
- WATER OR GAS VALVE
- UTILITY POLE
- UTILITY POLE W/STREET LIGHT
- UTILITY POLE ANCHOR
- FIRE HYDRANT
- STREET SIGN
- BOLLARD
- BURIED CABLE MARKER
- TRAFFIC SIGNAL BOX
- DELINEATOR
- SURVEY CONTROL POINT
- SAN — SANITARY SEWER
- ST. — STORM SEWER
- G — GAS PIPELINE
- W — WATER PIPELINE
- TEL — BURIED TELEPHONE CABLE
- E — BURIED ELECTRIC CABLE
- O/H — OVERHEAD UTILITY LINES
- DECIDUOUS TREE
- CONIFEROUS TREE

UNDERGROUND UTILITIES NOTE:

UNDERGROUND UTILITIES SHOWN WERE MAPPED USING A COMBINATION OF FIELD LOCATED EVIDENCE. THE ACCURACY OF THESE UTILITY LOCATIONS CANNOT BE GUARANTEED. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BEFORE EXCAVATING.

HORIZONTAL/VERTICAL DATUM NOTE

VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).

1 SITE EXISTING CONDITIONS PLAN
SCALE: 1" = 20'

N

SCALE IN FEET
0 10 20 40 80
1" = 20' - 0"

DRAWN BY:	TI
CHECKED BY:	LG
DATE:	10/14/2025
PHASE:	CD

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SITE EXISTING CONDITIONS PLAN

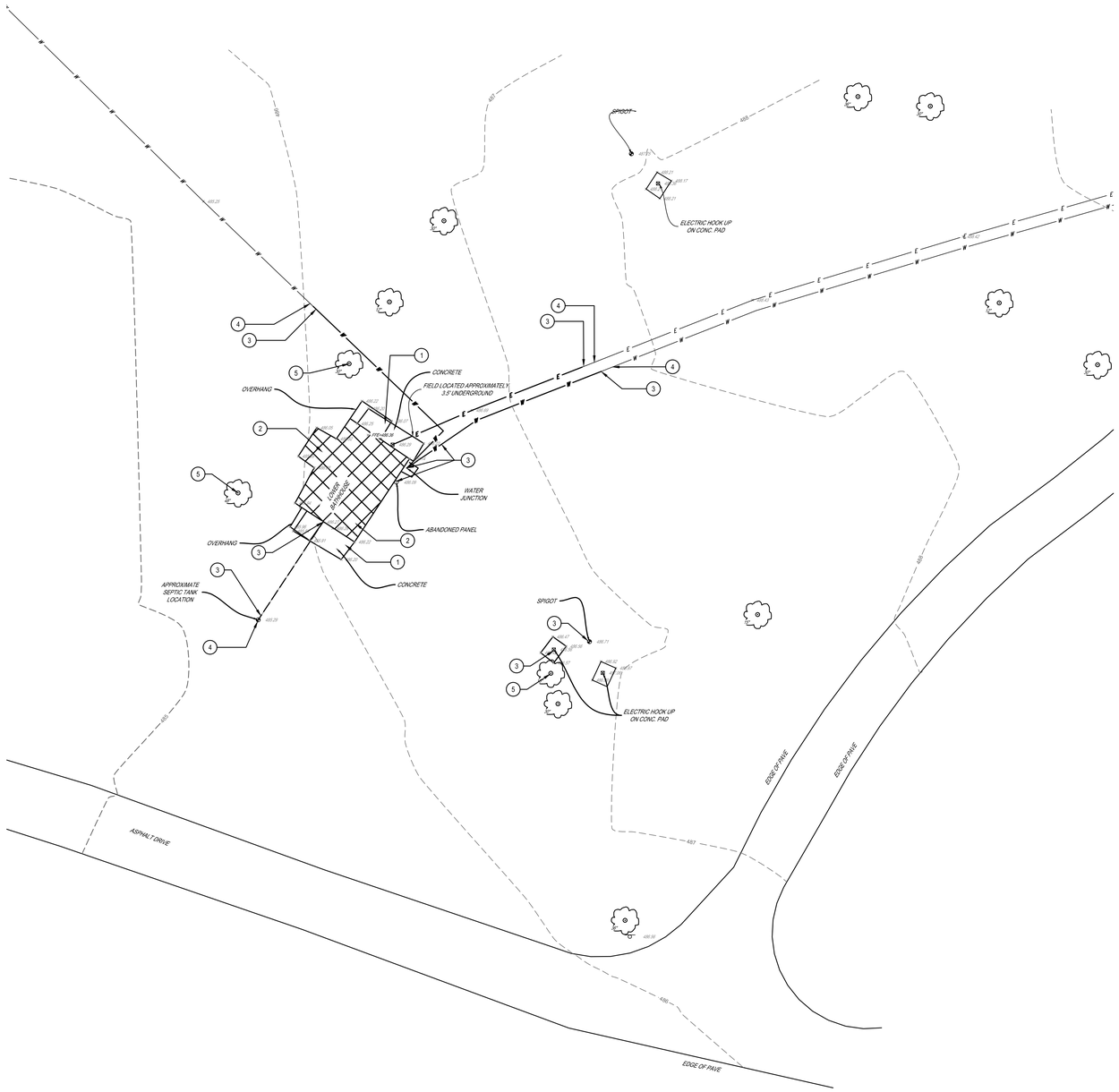
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L0.1

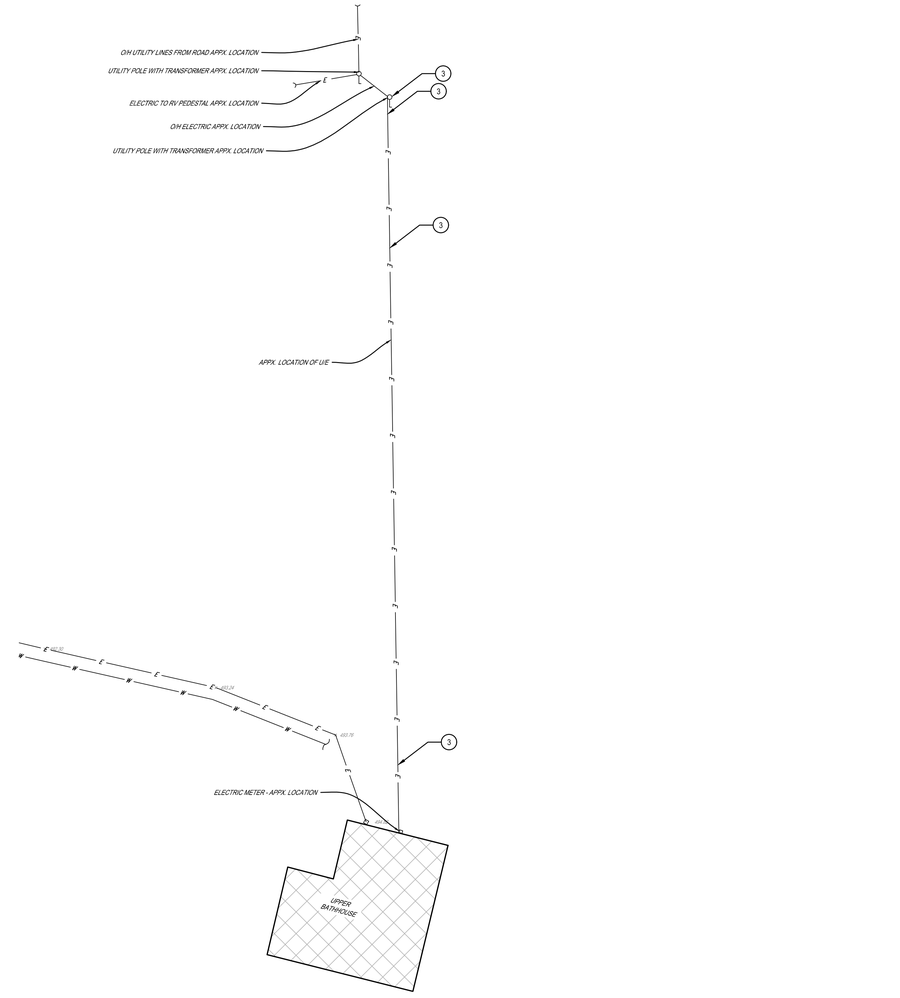
PROJECT NO. 1544-010

(#) SITE DEMOLITION NOTES:

1. REMOVE EXISTING CONCRETE WALK/PAD IN ITS ENTIRETY.
2. REMOVE EXISTING BUILDING/FOOTINGS/SLABS IN ITS ENTIRETY.
3. DISCONNECT EXISTING UTILITIES AND REMOVE AS REQUIRED TO COMPLETE NEW WORK.
4. EXISTING UTILITY TO REMAIN, PROTECT FOR THE DURATION OF CONSTRUCTION.
5. REMOVE EXISTING VEGETATION. GRIND STUMP MIN. 6" BELOW GRADE.



1 SITE DEMOLITION PLAN - LOWER BATHHOUSE
SCALE: 1" = 10'



2 SITE DEMOLITION PLAN - UPPER BATHHOUSE
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 40
1" = 10' - 0"

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SITE DEMOLITION PLAN

HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR

35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L1.1

PROJECT NO. 1544-010

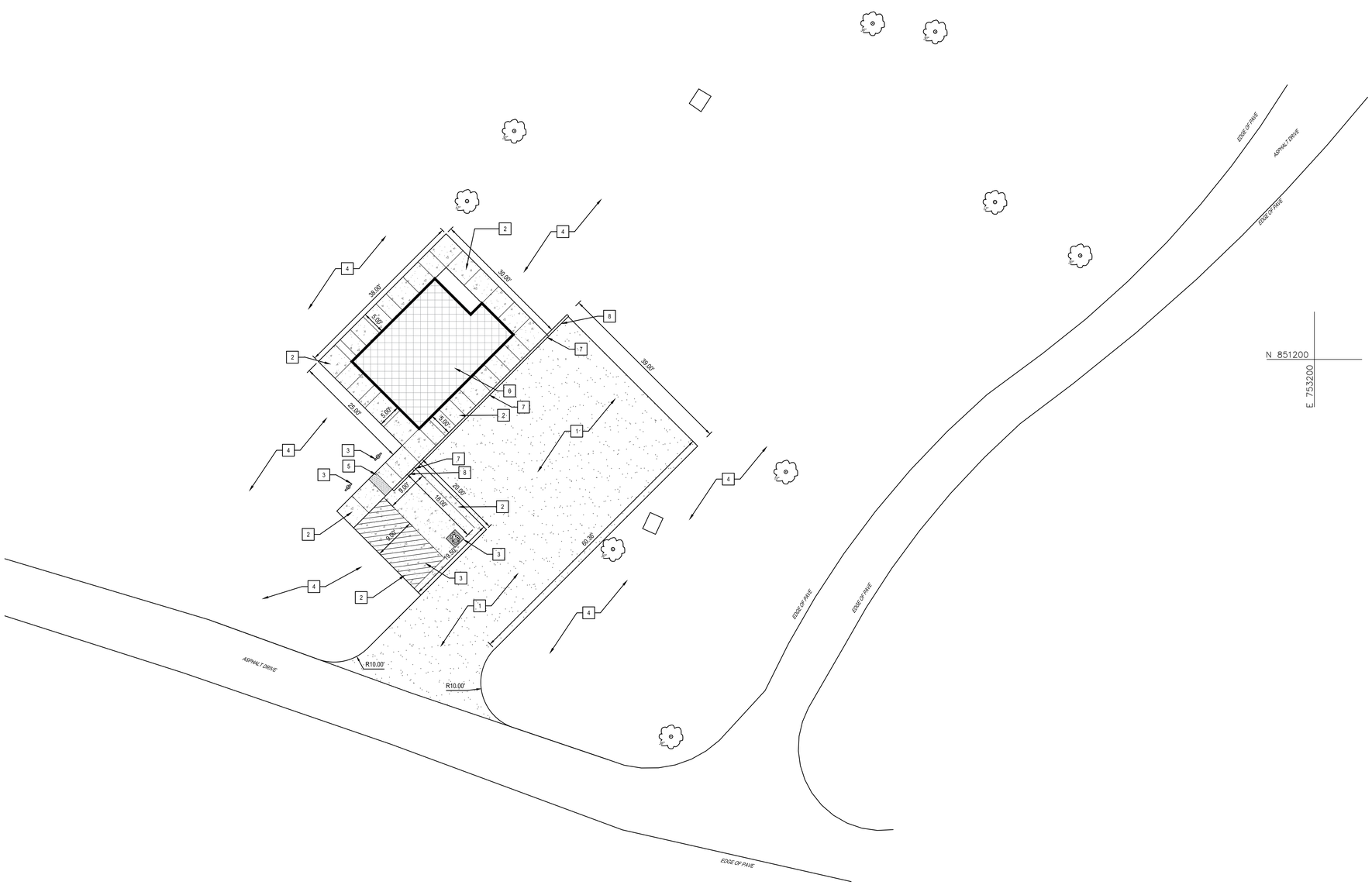
SITE IMPROVEMENT NOTES:

1. PROVIDE GRAVEL PAVEMENT. SEE DETAIL 12/L5.1.
2. PROVIDE 5" THICK, FIBER REINFORCED CONCRETE SIDEWALK. SEE DETAIL 11/L5.1.
3. PROVIDE ACCESSIBLE PARKING STRIPING, SYMBOLS, AND SIGNAGE, SEE DETAIL 2/L5.1.
4. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.
5. PROVIDE ADA TACTILE ACCESS WALK. SEE DETAIL 16/L5.1.
6. PROVIDE RESTROOM. SEE ARCHITECTURAL DRAWINGS.
7. PROVIDE GRANITE CURB. SEE DETAIL 14/L5.1.
8. PROVIDE GRANITE CURB TAPER. SEE DETAIL 15/L5.1.

CP52

IMPROVEMENTS LEGEND:

- GRAVEL SURFACING
- CONCRETE SIDEWALK
- PROPOSED BUILDING



1 SITE IMPROVEMENT PLAN
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 40
1" = 10' - 0"

DRAWN BY:	TI
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PHASE:	CD

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SITE IMPROVEMENT PLAN

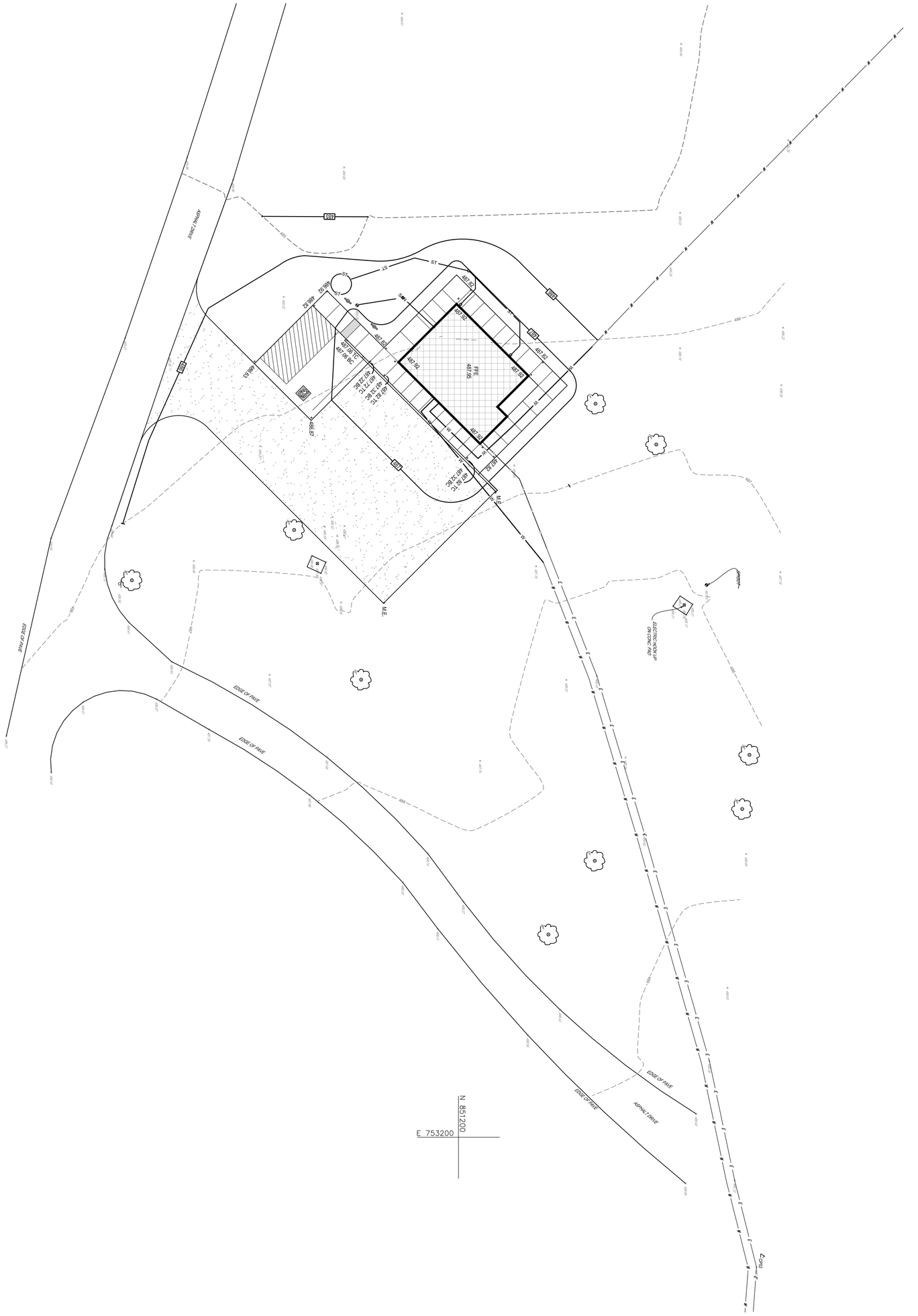
HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L2.1

PROJECT NO. 1544-010


ASPHALT DRIVE
EDGE OF PAVE
EDGE OF PAVE
EDGE OF PAVE
EDGE OF PAVE
ASPHALT DRIVE
ELECTRIC PICK-UP DISCONNECTING
FFE 497.95
497.92
497.93
497.94
497.95
497.96
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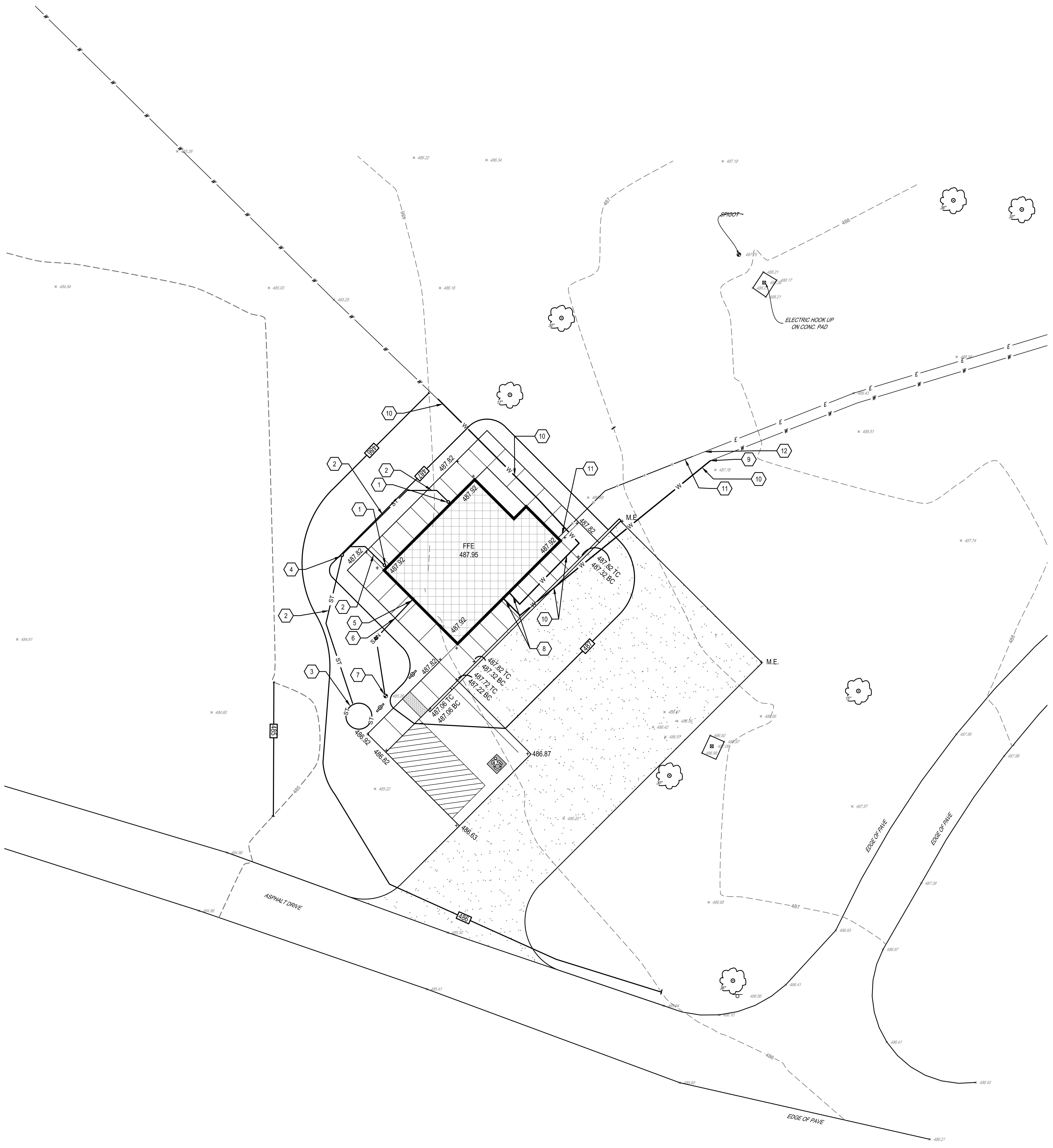
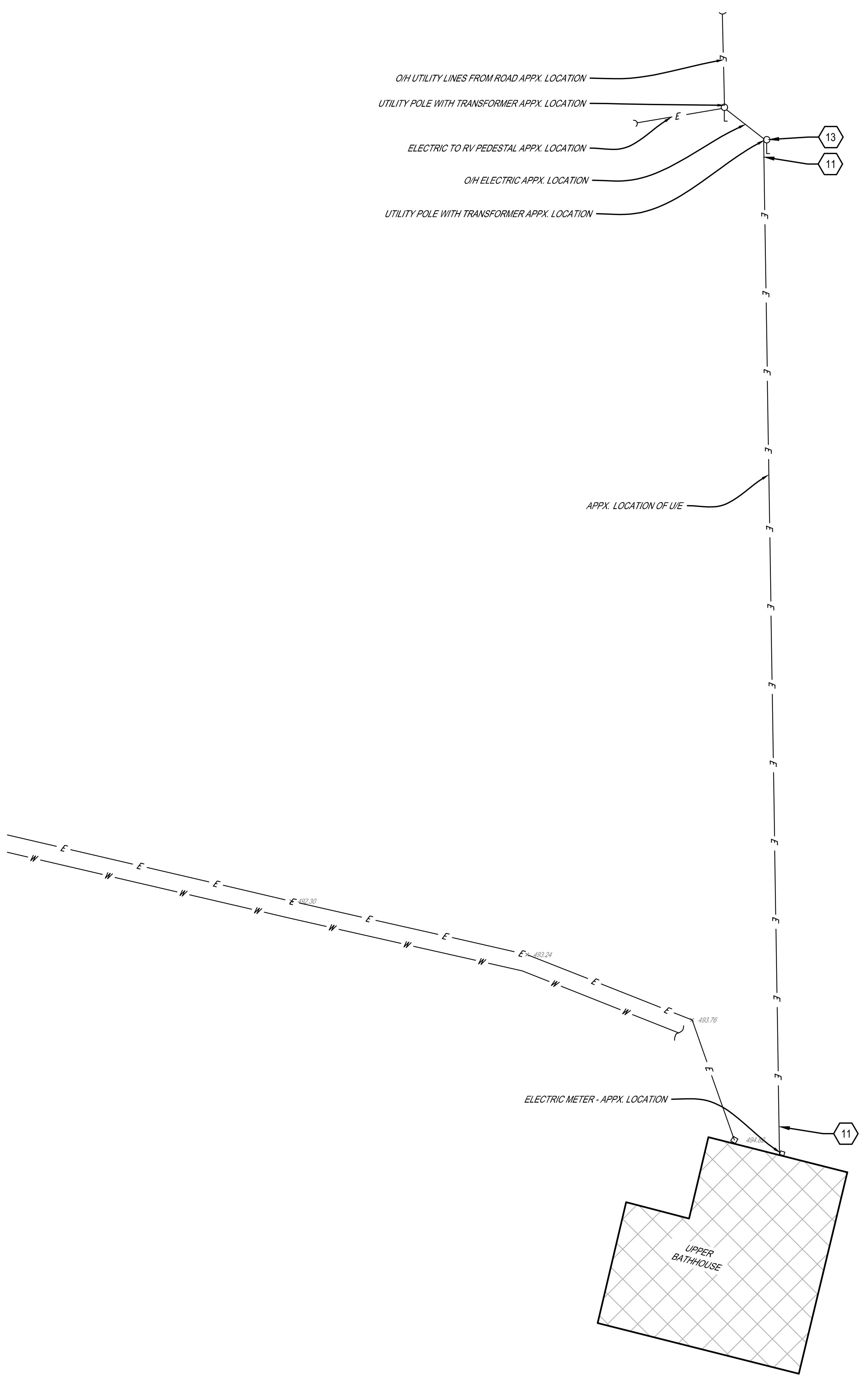


① SITE UTILITY PLAN - LOWER BATHHOUSE
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 40
1" = 10' - 0"



② SITE UTILITY PLAN - UPPER BATHHOUSE
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 40
1" = 10' - 0"

SITE UTILITY NOTES:

1. PROVIDE SCHEDULE 40 SOLID PVC STORM PIPE CONNECTION AT BUILDING. MATCH SIZE OF PIPE AT BUILDING, SEE ARCHITECTURAL DRAWINGS & DETAIL 11/L5.1.
2. PROVIDE SOLID SCHEDULE 40 PVC STORM PIPE & INVERTS INDICATED ON PLAN, SEE DETAIL 6/L5.1.
3. PROVIDE 5' DIA. MIN. PRECAST CONCRETE STORM MANHOLE, SEE DETAIL 13/L5.1. RIM: 486.10 INV: 484.50
4. PROVIDE STORM SEWER CLEANOUT. SEE DETAIL 7/L5.1.
5. CONNECT SANITARY PIPE AT BUILDING. MATCH SIZE OF PIPE AT BUILDING. SEE PLUMBING DRAWINGS.
6. PROVIDE 4" PVC SANITARY PIPE. SEE DETAIL 10/L5.1.
7. PROVIDE NEW SANITARY PIPE CONNECTION TO EXISTING SANITARY STRUCTURE, SEE DETAIL 8/L5.1.
8. CONNECT WATER PIPE AT BUILDING. MATCH SIZE OF PIPE AT BUILDING, SEE PLUMBING DRAWINGS.
9. PROVIDE WATERMAIN CROSSING SEPARATION OR WATERMAIN CONCRETE ENCASEMENT WHERE CROSSING SANITARY OR STORM LINE OR WITHIN 10' OF SAID UTILITIES, SEE DETAILS 5/L5.1.
10. PROVIDE 2" PEX-A WATER MAIN, SEE DETAIL 5/L5.1.
11. PROVIDE ELECTRIC TRENCHING. SEE ELECTRIC DRAWINGS. SEE DETAIL 4/L5.1.
12. PROVIDE LEGRAND ELECTRICAL PULL BOX, SEE DETAIL 4/L5.1.
13. PROVIDE UTILITY POLE.

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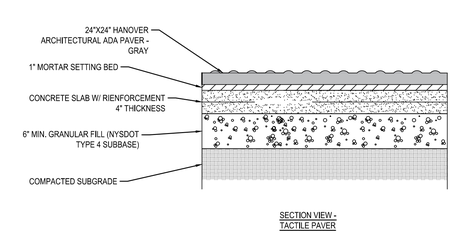
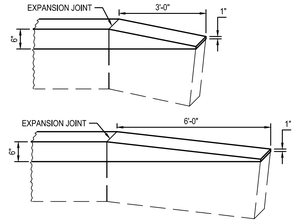
SITE UTILITY PLAN
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L4.1

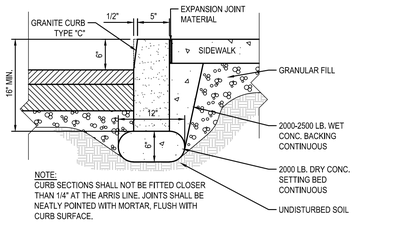
PROJECT NO. 1544-010



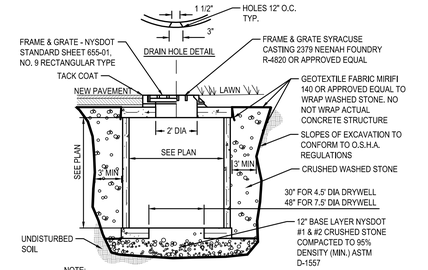
16 ADA TACTILE ACCESS WALK DETAIL
SCALE: N.T.S.



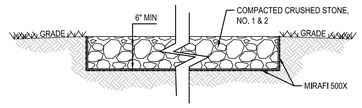
15 GRANITE CURB TAPERR DETAIL
SCALE: N.T.S.



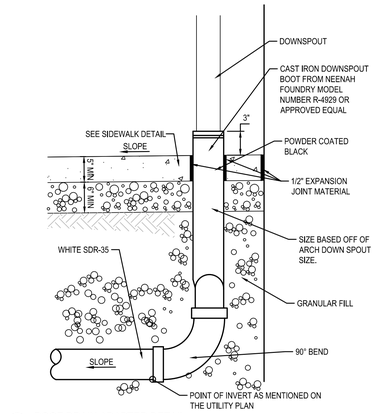
14 GRANITE CURB DETAIL
SCALE: N.T.S.



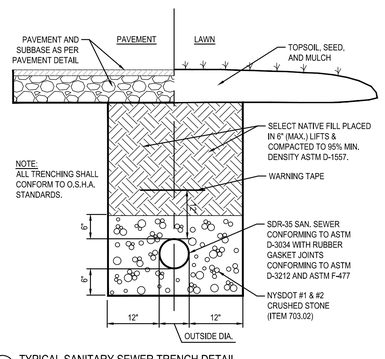
13 DRYWELL DETAIL
SCALE: N.T.S.



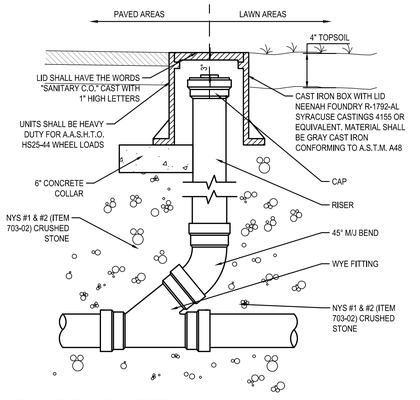
12 GRAVEL PAVEMENT DETAIL
SCALE: N.T.S.



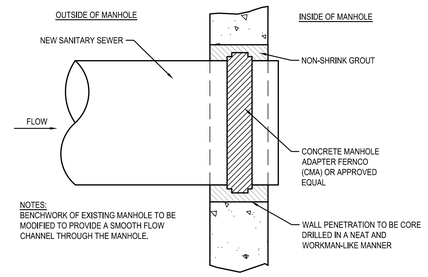
11 ROOF DRAIN ADAPTER DETAIL
SCALE: N.T.S.



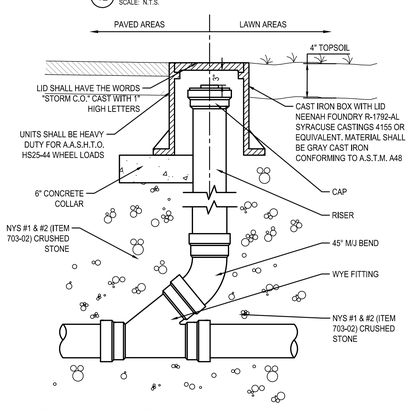
10 TYPICAL SANITARY SEWER TRENCH DETAIL
SCALE: N.T.S.



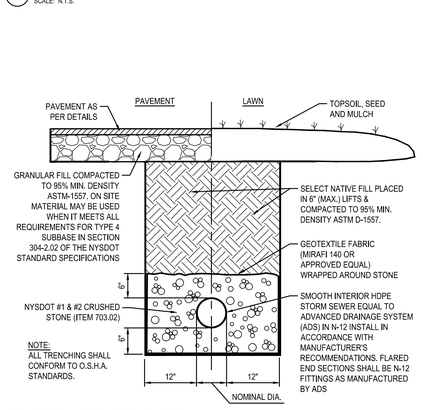
9 SANITARY CLEANOUT DETAIL
SCALE: N.T.S.



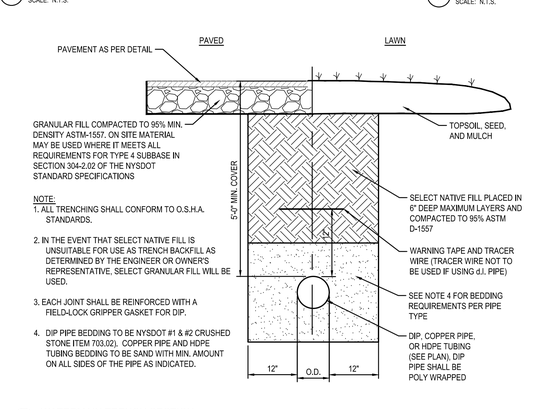
8 EXISTING SANITARY MANHOLE CONNECTION DETAIL
SCALE: N.T.S.



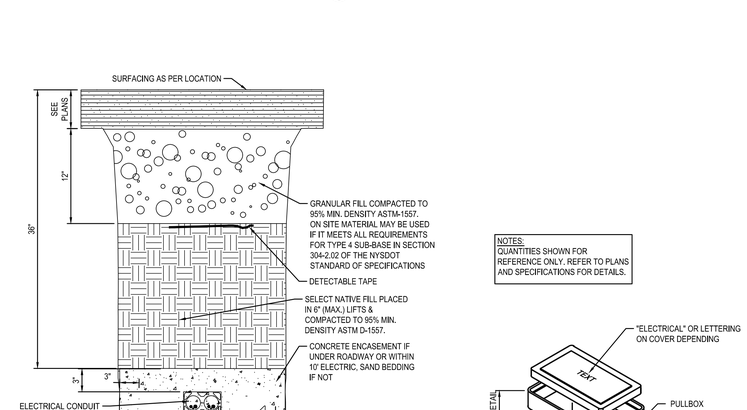
7 STORM CLEANOUT DETAIL
SCALE: N.T.S.



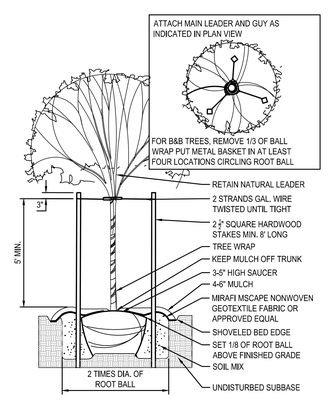
6 TYPICAL STORM TRENCH DETAIL
SCALE: N.T.S.



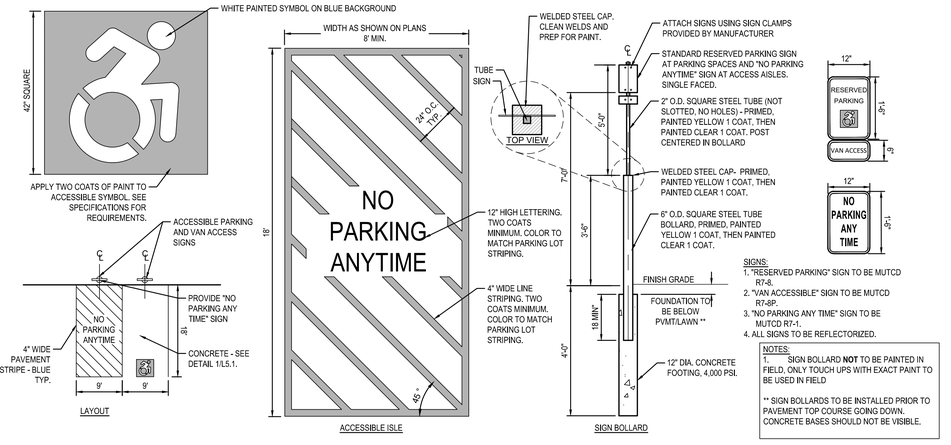
5 WATERMAIN TRENCH SECTION
SCALE: N.T.S.



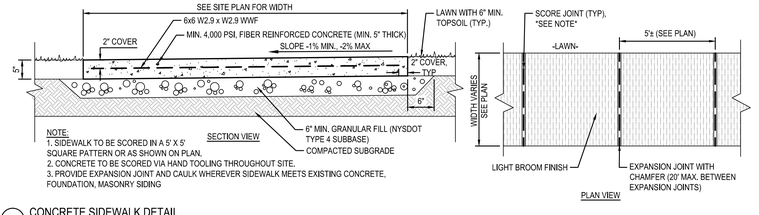
4 TYPICAL ELECTRICAL TRENCH DETAIL
SCALE: 1" = 10'



3 DECIDUOUS TREE PLANTING DETAIL
SCALE: N.T.S.



2 ACCESSIBLE PARKING SIGNAGE AND LAYOUT
SCALE: N.T.S.



1 CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.

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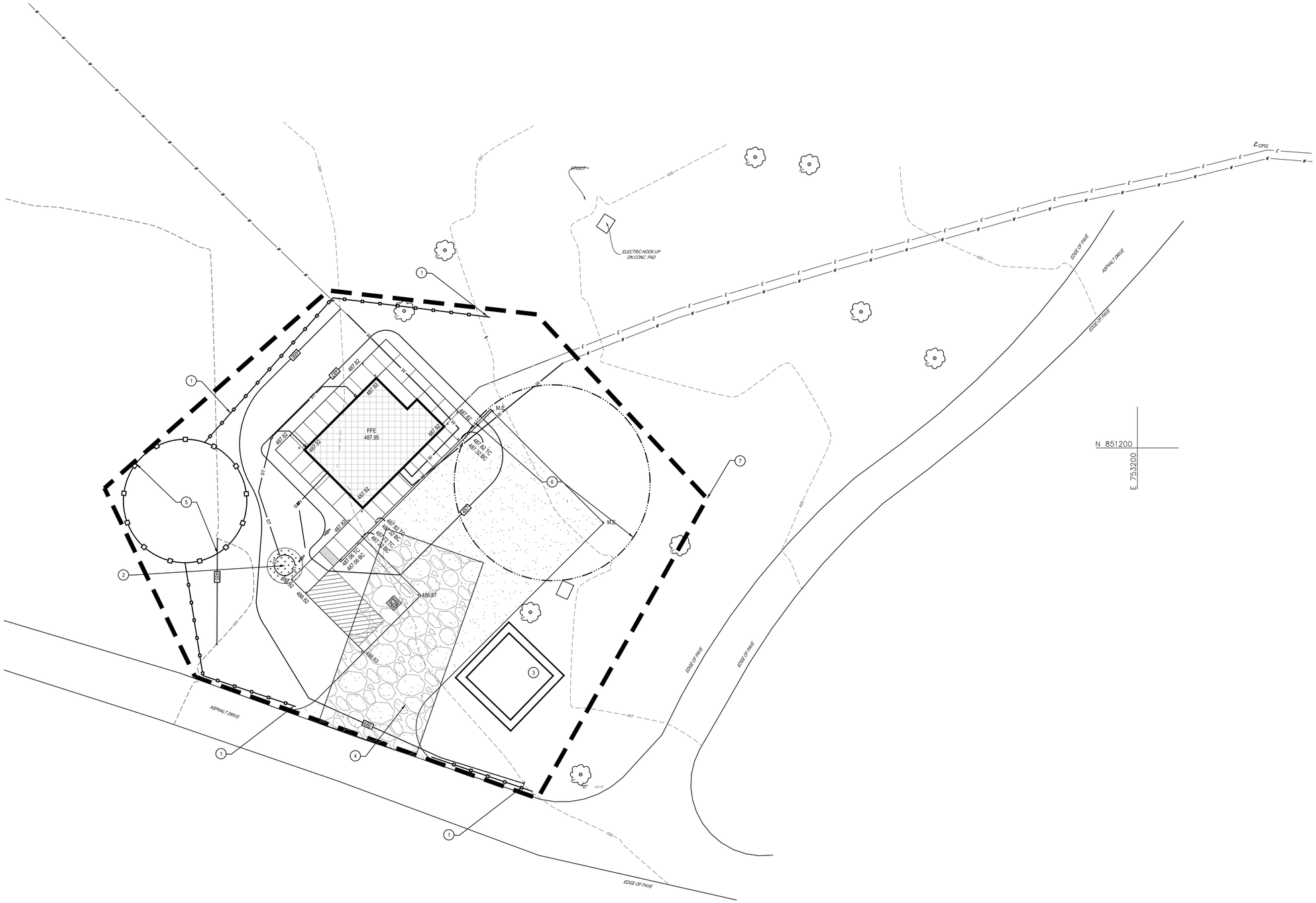
SITE DETAILS
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L5.1

PROJECT NO. 1544-010



SITE EROSION & SEDIMENT PLAN NOTES:

1. PROVIDE SILT FENCE (TYP.). SEE DETAIL 1/L6.2.
2. PROVIDE INLET PROTECTION (TYP.). SEE DETAIL 2/L6.2.
3. PROVIDE CONCRETE WASHOUT AREA. SEE DETAIL 3/L6.2.
4. PROVIDE CONSTRUCTION ENTRANCE. CONTRACTOR TO CONFIRM FINAL LOCATION WITH DIRECTION BY THE PROPERTY OWNER. SEE DETAIL 4/L6.2.
5. FINAL SOIL STOCKPILE LOCATIONS TO BE CHOSEN BY THE CONTRACTOR AND PROPERTY OWNER. SEE DETAIL 5/L6.2.
6. FINAL STAGING AREA LOCATIONS TO BE CHOSEN BY THE CONTRACTOR AND PROPERTY OWNER.
7. LIMIT OF DISTURBANCE (±11,569 SQ.FT.).

1 SITE EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 40
1" = 10' - 0"

DRAWN BY:	TI
CHECKED BY:	LG
DATE:	10/14/2025
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SITE EROSION & SEDIMENT CONTROL PLAN

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L6.1

PROJECT NO. 1544-010

I. EROSION & SEDIMENT POLLUTION CONTROL (E & SPC) GUIDELINES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL TO PROTECT DOWNSTREAM WATER BODIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO ENSURE PROPER FUNCTIONING OF SAID FACILITIES (DURING CONSTRUCTION).
3. AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR ENSURING THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
4. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN FIVE (5) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF 2.5 - 3.0 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
5. PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE SEED BED PRIOR TO PERMANENT SEEDING.
6. EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES AND PRACTICES, UTILIZED IN THE CONSTRUCTION OF THE PROJECT, SHALL BE CONSISTENT WITH THE LATEST VERSIONS OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL AND THE NEW YORK STATE SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES.
7. NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED, AS FEASIBLE PRIOR TO AND DURING CONSTRUCTION.
8. CUT AND FILL SLOPES SHALL BE BROUGHT TO FINAL PROPOSED GRADES AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCES, AND SEEDED AND MULCHED IMMEDIATELY.
9. EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES (SILT SOCK, INLET PROTECTION, STABILIZED CONSTRUCTION ENTRANCES AND ALL OTHER ACCEPTABLE FACILITIES) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL COMPLETE SITE STABILIZATION.
10. HEAVY CONSTRUCTION EQUIPMENT SHALL BE KEPT AS CLOSE TO THE WORK AREA AS PRACTICAL TO MINIMIZE DISTURBANCE OF SOIL ALREADY STABILIZED OR UNDISTURBED.
11. TOPSOIL AND OTHER SOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN A SUITABLE LOCATION CLEAR FROM ANY STORMWATER DRAINAGE COURSES. STOCKPILES WHICH ARE INACTIVE FOR MORE THAN 5 DAYS SHALL BE SEEDED.
12. VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR SUFFICIENT GROWTH AND RESPONDING SHALL BE PROMPTLY RESEEDED AND REMULCHED AS SOON AS POSSIBLE. AREAS SHOWING SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEEDED, AND REMULCHED AS SOON AS POSSIBLE. SOD OR EROSION CONTROL FABRIC SHALL BE UTILIZED WHERE ADEQUATE STABILIZATION IS NOT OCCURRING
13. ALL PERIMETER SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE BEGINNING EARTH MOVING ACTIVITIES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
14. A STABILIZED CONSTRUCTION ENTRANCE PAD OF 1.5" TO 2" CLEAN STONE WILL BE PLACED AT ALL CONSTRUCTION DRIVEWAYS BEFORE INITIAL SITE DISTURBANCE.
15. THE APPLICATION OF TOPSOIL, LIMING, FERTILIZING, SEEDING, AND MULCHING FOR DISTURBED AREAS SHALL BE CONSISTENT WITH THE STANDARD GENERAL PRACTICES FOR CONSTRUCTION.
16. IMMEDIATELY FOLLOWING INITIAL DISTURBANCES OF ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES AND ROADWAY EMBANKMENTS, ETC.) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2.5 - 3.0 TONS PER ACRE.
17. AT THE TIME WHEN SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS TO BE ESTABLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
18. IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON-VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
19. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN PERMANENTLY STABILIZED.

II. MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT FACILITIES

1. PROPER MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FACILITIES ARE NECESSARY TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES.
2. DISTURBED GROUND SURFACES SHALL BE SPRINKLED WITH WATER AND/OR CARBON CHLORIDE, AS NEEDED, TO LIMIT THE FORMATION AND MIGRATION OF AIRBORNE DUST.
3. OPERATIONAL MEASURES SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT THE SPILLS OF FUELS AND LUBRICANTS. IF A SPILL OCCURS, IT SHALL BE CONTROLLED IMMEDIATELY TO PREVENT ITS ENTRY INTO OFF-SITE AREAS INCLUDING ADJACENT STORM SEWER.
4. ANY TEMPORARY EROSION CONTROL FACILITY SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED WITHIN THE RESPECTIVE TRIBUTARY DRAINAGE AREA.
5. ANY DEBRIS ACCUMULATED IN EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND PROPERLY DISPOSED OF. THESE FACILITIES SHALL BE CHECKED DAILY AND AFTER RAINFALL EVENTS, AND REALIGNED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE FOLLOWING DEPTHS:

   SILT FENCE- 1/4 HEIGHT

   NOTE: DISTURBED AREAS SHALL BE CONSIDERED AS PERMANENTLY STABILIZED WHEN A MINIMUM COVER OF 80% HAS BEEN ESTABLISHED.
6. ANY EROSION AND SEDIMENT CONTROL DEVICES THAT ARE NOTED AS DEFICIENT BY AN INSPECTOR OR NYSDEC STAFF SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF RECEIVING NOTICE.

III. SOIL RESTORATION REQUIREMENTS

1. AERATION AND THE APPLICATION OF 6 INCHES OF TOPSOIL IS REQUIRED IN ANY PROPOSED LAWN AREA WHERE TOPSOIL HAS BEEN DISTURBED.
2. FULL SOIL RESTORATION IS REQUIRED IN HEAVY TRAFFIC AREAS ON SITE, ESPECIALLY BETWEEN 5 AND 25 FEET AROUND THE PROPOSED BUILDING, BUT NOT WITHIN A 5 FOOT PERIMETER AROUND FOUNDATION WALLS. RESTORATION IS ALSO REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA.
3. FULL SOIL RESTORATION REQUIREMENTS ARE AS FOLLOWS:
   - SOIL RESTORATION IS TO TAKE PLACE DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, FOLLOWING ROUGH GRADING OF THE DISTURBED SUBSOILS
   - APPLY 3 INCHES OF COMPOST OVER SUBSOIL
   - TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
   - ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE
   - APPLY TOPSOIL TO A DEPTH OF 6 INCHES
   - VEGETATE AS SPECIFIED ON PLANS
4. AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8 INCH METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT.
5. TILLING SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.
6. ADDITIONAL INFORMATION AND GUIDANCE MAY BE FOUND IN "DEEP-RIPPING AND DECOMPACTION" PUBLISHED BY NYSDEC DIVISION OF WATER 2008.

IV. MULCHING AND SEEDING REQUIREMENTS

1. SEEDBED PREPARATION:
   a. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT (50%) CALCIUM PLUS MAGNESIUM OXIDES) AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET. APPLY FERTILIZER AT A RATE OF 600 POUNDS PER ACRE OR 14 POUNDS PER 1,000 SQUARE FEET USING 10-20-10 OR EQUIVALENT.
   b. WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC. SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.
   c. INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACT, THE AREA MUST BE RETILLED AS ABOVE

TEMPORARY REQUIREMENTS

2. SEEDING:
   a. APPLY LAWN MIX AT A RATE PER MANUFACTURERS SPECIFICATIONS.
   b. APPLY SEED WITH MECHANICAL SEEDER. OPTIMUM SEEDING DEPTH IS ONE INCH (EXCEPT SANDY SOILS, 2 INCHES).
   c. WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPAKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
3. MULCHING
   a. MULCH MATERIALS SHALL BE UNROTTED SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 2-1/2 TO 3 TONS PER ACRE, OR 70 TO 90 POUNDS PER 1,000 SQUARE FEET. MULCH SHOULD NOT BE GROUND OR CHOPPED INTO SHORT PIECES.
   b. SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75 PERCENT TO 95 PERCENT OF THE SOIL SURFACE WILL BE COVERED.
   c. MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. 1. MULCHING NETTINGS - STAPLE, JUTE OR COTTON NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.
4. PERMANENT SEEDING TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

V. SEQUENCE OF CONSTRUCTION

THE FOLLOWING ARE STEPS REGARDING THE CONSTRUCTION AND INSTALLATION OF VARIOUS PROJECT COMPONENTS THAT WILL ASSIST IN THE CONTROL OF EROSION AND SEDIMENT CONTROL:

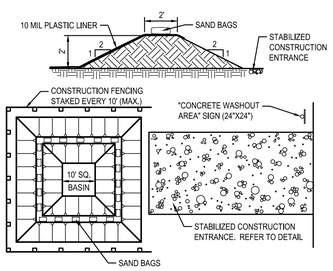
1. CONTRACTOR SHALL REVIEW AND DOCUMENT THE SITE.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER PROTECTION MEASURES (SILT SOCK, STORM INLET PROTECTION, ETC.).
3. ROUGH GRADE SITE WITH E&SC CONTROL MEASURES AS SHOWN ON PLANS.
4. TEMPORARILY STABILIZE ALL DISTURBED AREAS.
5. INSTALL UTILITIES AND STORM CONVEYANCE STRUCTURES AND PIPES. PROVIDE STORM INLET PROTECTION AS INDICATED.
6. INSTALL PAVEMENT, SIDEWALK, AND ALL OTHER PROPOSED SITE IMPROVEMENTS.
7. PROVIDE PERMANENT VEGETATION ON ALL DISTURBED AREAS.
8. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONCE 80% STABILIZATION HAS BEEN ACHIEVED.
9. CONTRACTOR SHALL NOTIFY PROJECT DESIGN ENGINEER/ARCHITECT THAT SITE STABILIZATION IS COMPLETED.

NOTE: AT NO POINT DURING CONSTRUCTION SHALL GREATER THAN .95 ACRES OF THE PROJECT SITE BE DISTURBED AT ANY ONE TIME WITHOUT PRIOR APPROVAL.

VI. TOPSOIL REQUIREMENTS

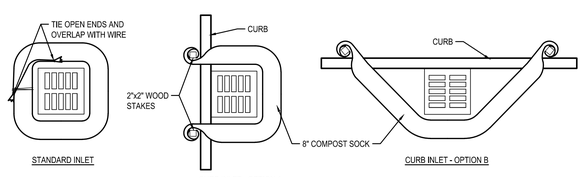
A. ON-SITE TOPSOIL:
   1. EXCAVATED AND REUSED MATERIAL.
   2. GRADED.
   3. FREE OF ROOTS, ROCKS LARGER THAN 1/2 INCH, SUBSOIL, DEBRIS, LARGE WEEDS AND FOREIGN MATTER.
      a. SCREENING: SINGLE SCREENED.
   4. CONFORMING TO ASTM D2487.

B. IMPORTED TOPSOIL
   1. IMPORTED BORROW.
   2. FRIABLE LOAM.
   3. REASONABLY FREE OF ROOTS, ROCKS LARGER THAN 1/2 INCH, SUBSOIL, DEBRIS, LARGE WEEDS, AND FOREIGN MATTER.
      a. SCREENING: DOUBLE SCREENED.
   4. ACIDITY RANGE (PH) OF 5.5 TO 7.5
   5. CONTAINING MINIMUM OF 4 PERCENT AND MAXIMUM OF 25 PERCENT INORGANIC MATTER.
   6. CONFORMING TO ASTM D2487.
   7. LIMIT DECAYING MATTER TO 5 PERCENT OF TOTAL CONTENT BY VOLUME.

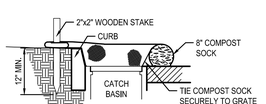


NOTES:
1. ALL TOOLS AND EQUIPMENT UTILIZED DURING ANY CONCRETE CONSTRUCTION, INCLUDING HAND TOOLS, WHEELBARROWS, TRUCKS, CHUTES SHALL UTILIZE THE CONCRETE WASHOUT AREA.
2. WASHOUT AREA TO BE MAINTAINED AND CLEANED OUT PERIODICALLY TO PREVENT WASHWATER AND/OR SOLIDS FROM EXITING THE WASHOUT TRAP.

3 CONCRETE WASH OUT DETAIL
SCALE: N.T.S.



INSTALLATION NOTES:
1. COMPOST SOCKS SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
2. COMPOST SOCKS SHALL BE "SILT SOCK", "FILTEREXX" OR OTHER APPROVED FILTER FABRIC SOCK
3. COMPOST SOCKS SHALL BE FILLED WITH WOOD CHIPS OR COMPOST. SEE SPECIFICATIONS FOR APPROVED COMPOSITION OF WOOD CHIPS OR COMPOST
4. COMPOST SOCKS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. COMPOST SOCK SHALL BE IN CONSTANT CONTACT WITH THE GROUND SURFACE.
6. WOOD STAKES SHALL BE USED TO SECURE THE WATTLES, 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
7. EXCESS FABRIC SHALL BE WRAPPED AROUND THE STAKES
8. FOR INLETS NOT ON A CURB THE COMPOST SOCK SHALL BE TIED OFF AT BOTH ENDS WITH TIE WIRE AND OVERLAPPED TO PROVIDE SUITABLE PROTECTION.

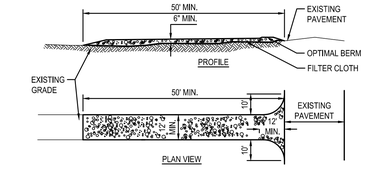


MAINTENANCE:
SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DIAMETER OF THE SILT/COMPOST SOCK.

2 COMPOST/SILT SOCK INLET PROTECTION DETAIL
SCALE: N.T.S.

SOIL STOCKPILING NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND THEN STABILIZED WITH SEED OR SECURED IMPERVIOUS COVER.
4. SEE SILT FENCE INSTALLATION DETAIL.

5 SOIL STOCKPILE AREA DETAIL
SCALE: N.T.S.



NOTES:
1. STONE SIZE - USE 3"-4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT THE POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A 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 CLEANEST OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY, WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

4 CONTRUCTION ENTRANCE
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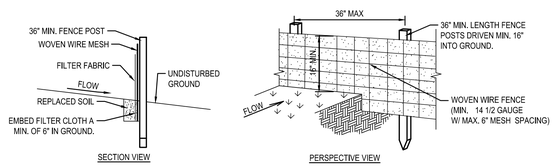


NOTES:
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POST WITH WIRE TIRES OR STAPLES, POSTS SHALL BE HARDWOOD OR STEEL OF EITHER "T" OR "U" TYPE.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENINGS.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUAL.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 SILT FENCE DETAIL
SCALE: N.T.S.

DRAWN BY:	TI
CHECKED BY:	LG
DATE:	10/14/2025
PHASE:	CD

#	DATE:	DESCRIPTION OF REVISION:
1.	12/01/2025	ISSUED FOR BID

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868
BINGHAMTON, NY 607 - 798 - 1000 ALBANY, NY 607 - 794 - 8001
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

EROSION & SEDIMENT CONTROL DETAILS
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD, MONTOUR FALLS, NY 14865

L6.2

PROJECT NO. 1544-010

GENERAL STRUCTURAL NOTES

A. BUILDING CODES AND STANDARDS

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATION REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT.
   a. "2020 BUILDING CODE OF NEW YORK STATE"
   b. "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES", (ANSI/ASCE 7) AMERICAN SOCIETY OF CIVIL ENGINEERS.
2. ADDITIONAL CODES FOR MATERIALS SHALL BE FOUND IN THE APPROPRIATE SECTIONS THAT FOLLOW. SEE THOSE SECTIONS FOR THE APPLICABLE CODES.

B. DESIGN LOADS

1. GRAVITY - DEAD LOADS

AREA	PSF
NEW ROOF	25 PSF

2. GRAVITY - LIVE LOADS
   a. ROOF LIVE LOAD 20 PSF MIN. (SNOW LOAD USED WHEN GREATER)
   b. ROOF SNOW LOAD 34 PSF+ DRIFTING (WHERE APPLICABLE)
      (1) GROUND SNOW LOAD (Pg) =40 PSF
      (2) EXPOSURE FACTOR (Ce) =1.0
      (3) IMPORTANCE FACTOR (i) =1.0
      (4) THERMAL FACTOR (Ct) =1.2
      (5) SLOPE FACTOR (Cs) =1.0
   c. FLOOR LIVE LOADS

AREA	PSF
SLAB-ON-GRADE, TYPICAL U.N.O.	100 PSF

3. WIND LOADS
   a. BASIC WIND SPEED (V) = 100 MPH
   b. ALLOWABLE DESIGN WIND SPEED (Vasd) = 78 MPH
   c. OCCUPANCY RISK CATEGORY II
   d. WIND EXPOSURE CATEGORY B
   e. ENCLOSED BUILDING (GCpi) = ±0.18
   f. MODIFICATION FACTORS (Kz)=0.7, (Kzt) = 1.0, (Kd) = 0.85, (Ke) = 1.0
   g. MAIN WIND-FORCE RESISTING SYSTEM LOADS (PSF)

WINDWARD (PER ZONE)		LEEWARD (PER ZONE)		OVERHANG (PER ZONE)	
INTERIOR	END	INTERIOR	END	END	CORNER
WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	WALL: ROOF:	ROOF:	ROOF:
4.1 -16.0	7.9 -23.0	-8.7 -10.1	-11.2 -13.1	-25.6	-32.6

   h. COMPONENTS AND CLADDING - WALL NET DESIGN WIND PRESSURES (PSF)

EFFECTIVE AREA	INTERIOR ZONE	END ZONE
10SF	+27.1 -23.6	+21.7 -29.1
500SF	+16.2 -18.1	+16.2 -18.1

   i. COMPONENTS AND CLADDING - ROOF NET DESIGN WIND PRESSURES
      ROOF SLOPE (3° TO 10°)

EFFECTIVE AREA	INTERIOR ZONE	END ZONE		CORNER ZONE	
10 SF	+8.8	-23.6	+8.8 -32.8	+8.8	-51.2
100SF	+7.0	-23.6	+7.0 -31.0	+7.0	-32.8

   j. COMPONENTS AND CLADDING - ROOF OVERHANG NET DESIGN WIND PRESSURES (PSF)
      ROOF SLOPE (3° TO 10°)

EFFECTIVE AREA	END ZONE	CORNER ZONE
10 SF	-49.8	-59.0
100 SF	-46.1	-46.1

4. LATERAL LOADS: SEISMIC
   a. SEISMIC BASE SHEAR: (V) = 2.5 KIPS
   b. OCCUPANCY RISK CATEGORY II
   c. IMPORTANCE FACTOR (i) = 1.0
   d. SITE CLASS D (ASSUMED)
   e. SEISMIC DESIGN CATEGORY B
   f. SPECTRAL RESPONSE ACCELERATION (Sds) = 0.126 (Ss) = 0.118
      (Sd1) = 0.071 (S1) = 0.044
   g. SEISMIC FORCE-RESISTING SYSTEM ORDINARY MOMENT FRAMES
   h. RESPONSE MODIFICATION FACTOR (R)=3.5
   i. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE
5. FLOOD LOAD
   a. AREA OUTSIDE 100 YEAR FLOOD AREA PER FEMA FLOOD INSURANCE MAP #3601080001c.
6. ROOF RAIN LOAD DATA
   a. RAIN INTENSITY (100 YEAR 60 MIN. DURATION) (i) = 2.39 IN/HR.

C. FOUNDATION/EARTHWORK/GEOTECHNICAL REPORT

1. DESIGN DATA:
   a. NO GEOTECHNICAL INFORMATION HAS BEEN PROVIDED BY THE OWNER AT THIS TIME. FOUNDATIONS ARE DESIGNED BASED ON ASSUMED BEARING PRESSURES AND SHALL BE CONFIRMED BY A GEOTECHNICAL ENGINEER BEFORE PLACEMENT OF FOUNDATIONS.
   b. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4'-0" BELOW GRADE AND 1'-6" BELOW INTERIOR FINISHED FLOOR GRADE. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR ADJUSTMENT.
2. FOUNDATION SYSTEM
   a. SPREAD FOOTINGS
      (1) BUILDING SPREAD AND STRIP FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL SOILS OR PROPERLY PLACED AND COMPACTED ENGINEERED FILL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 2000 PSF. BEARING PRESSURES SHALL BE VERIFIED BY AN EXPERIENCED QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FOUNDATIONS.
3. GENERAL
   a. SEE THE SPECIFICATIONS FOR EXCAVATION, DEWATERING AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION PROCEDURES.
   b. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK.
   c. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND PROTECTING ALL EXISTING UTILITIES, EXISTING STRUCTURES, ETC., WHETHER INDICATED OR NOT, WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.
   d. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.
   e. BEARING ELEVATIONS INDICATED ON THE DRAWINGS ARE ESTIMATED FROM SOIL BEARING. PRIOR TO PLACING FOUNDATIONS, AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER SHALL MAKE DETERMINATION OF FINAL BEARING ELEVATIONS AND VERIFICATION OF ALLOWABLE BEARING PRESSURE.
   f. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.
   g. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOUNDATIONS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL, UNLESS INDICATED OTHERWISE ON PLANS. MAINTAIN A 1:1 SLOPE FROM BOTTOM EDGE OF ANY EXCAVATION.
   h. FOLLOWING REQUIRED STRIPPING OPERATIONS, ANY PROOFROLLING SHALL BE AS DIRECTED BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER. THE PURPOSE OF THE PROOFROLLING WILL BE TO LOCATE ANY ISOLATED AREAS OF SOFT OR LOOSE SOILS REQUIRING IMPROVEMENT OR REPLACEMENT. SOFT AREAS SHALL BE UNDERCUT AND REPLACED BY PROPERLY COMPACTED MATERIALS.
   i. ALL SHORING, SHEETING, AND DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECTS JURISDICTION SHALL DESIGN SHEETING AND SHORING. ALL SUBMITTALS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.
4. BACKFILL
   a. ALL BACKFILL SHALL BE ACCOMPLISHED USING MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER, WITH OPTIMUM MOISTURE CONTENT FOR COMPACTING AND SHALL BE FREE OF DEBRIS.
   b. NO BACKFILL MATERIAL SHALL BE PLACED AGAINST FOUNDATION WALLS UNTIL THE UPPER BRACING FLOORS ARE IN PLACE FOR AT LEAST 7 DAYS, OR ADEQUATE BRACING, AS DESIGNED BY THE CONTRACTOR'S ENGINEER, IS INSTALLED. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION SHALL DESIGN BRACING. ALL SUBMITTALS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.
   c. WHERE THE FINAL GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS WITHIN 10" ON BOTH SIDES AT ANY TIME.
5. STRUCTURAL FILL
   a. REFER TO SPECIFICATIONS FOR COMPACTED STRUCTURAL FILL. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER.
   b. APPROVED MATERIAL SHOULD BE PLACED IN 8" MINIMUM INDIVIDUAL MOISTURE CONDITIONED AS REQUIRED TO ACHIEVE COMPACTION TO A MINIMUM IN PLACE DENSITY OF 95% MAX. IN ACCORDANCE WITH ASTM SPECIFICATION D-1557 (MODIFIED PROCTOR) FOR FILL BELOW FOOTINGS AND SLABS-ON-GRADE.

D. CONSTRUCTION

1. GENERAL
   a. UNAUTHORIZED REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
   b. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED ON THE DRAWINGS AND FOR THE SUPERIMPOSED LOADS INDICATED IN THE DESIGN LOADS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSE WORK, STAGINGS, BRACING, SHEETING AND SHORING, ETC. ALL SHORING CALCULATIONS AND DRAWINGS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROJECTS JURISDICTION.
   c. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.
   d. IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
   e. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO THE CONTRACTOR MIS LOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE.
   f. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND OTHER APPLICABLE DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS.
   g. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING, WATERPROOFING, ETC.
   h. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS LOCATING FLOOR AND ROOF EDGES FOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.
   i. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES.
   j. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION FOR THE FOLLOWING ASSEMBLIES. THIS REVIEW SHALL BE FOR GENERAL CONFORMANCE WITH THE PROJECT PARAMETERS AS INDICATED ON THE DRAWINGS AND IN THE GENERAL NOTES. THE DESIGN OF THESE ASSEMBLIES IS THE RESPONSIBILITY OF THE ENGINEER WHO HAS SIGNED AND SEALED THESE DRAWINGS AND CALCULATIONS. THE DESIGN OF THESE ASSEMBLIES SHALL TAKE INTO ACCOUNT ALL VERTICAL AND LATERAL LOADS REQUIRED BY APPLICABLE BUILDING CODES.
      (1) CURTAIN WALL AND RELATED CONNECTIONS: CURTAIN WALL SYSTEM SHALL BE DESIGNED FOR A MAXIMUM DEFLECTION OF 1/180 OF THE SPAN. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL CLEARLY SHOW THE LOAD REACTIONS AS APPLIED TO THE BUILDING STRUCTURE.
   k. WORK NOT INCLUDED ON THE DRAWINGS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES ELSEWHERE ON THE DRAWINGS SHALL BE REPEATED.
   l. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY AND DRYWALL NON-LOADBEARING PARTITIONS, PROVIDE SLIP CONNECTIONS THAT ALLOW VERTICAL MOVEMENT AT THE HEADS OF ALL SUCH PARTITIONS. UNLESS SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE TOP OF THE WALLS LATERALLY FOR THE CODE REQUIRED LATERAL LOAD. PROVIDE COMPRESSIBLE FIRE SAFING AT THE TOP OF WALL AS REQUIRED BY ARCHITECTURAL DRAWINGS.

E. CONCRETE

1. CODES
   a. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318", AMERICAN CONCRETE INSTITUTE.
   b. "ACI MANUAL OF CONCRETE PRACTICE - PARTS 1 THROUGH 5".
   c. "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.
2. MATERIALS
   a. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.

APPLICATION	fc 28 DAYS	WIEGHT (PCF)	W/C(MAX)*
SLABS-ON-GRADE (INTERIOR)	3500	145	0.50
SLABS-ON-GRADE (EXTERIOR)	4000	145	0.45
FOOTINGS	3000	145	0.55
COLUMNS	4000	145	0.50
WALLS	4000	145	0.50

      *PUMP MIXES: MAXIMUM WATER/CEMENT RATIO MUST BE MAINTAINED. IF ADDITIONAL WORKABILITY IS REQUIRED FOR PUMPED PLACEMENT, THE HIGH OR MID-RANGE WATER REDUCERS SHALL BE USED IN LIEU OF ADDITIONAL WATER.
   b. CEMENT: ASTM C150; TYPE I OR III; ASTM C150; TYPE II FOR CONCRETE IN CONTACT WITH EARTH.
   c. CEMENT SUBSTITUTES: ASTM C595, TYPE IS (LIMIT TO 50% MAX OF CEMENTITIOUS CONTENT BY WEIGHT)
   d. AGGREGATES: ASTM C33 (NORMAL WEIGHT); ASTM C330 (STRUCTURAL LIGHTWEIGHT)
   e. AIR: ASTM C260; CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED (5%±) (1-1/2%) BY VOLUME.
   f. REINFORCEMENT:
      DEFORMED REINFORCING BARS — ASTM A615, GRADE 60
      WELDABLE DEFORMED REINF. BARS — ASTM A706 OR APPROVED EQUAL
      WELDED WIRE FABRIC (WWF) — ASTM A1064
      THREADBAR AND COUPLER — DYWIDAG MEETING ACI 318-12.14.3.4 SPLICES OR APPROVED EQUAL
   g. ANCHORING SYSTEM:
      ADHESIVE REINFORCING — HILTI HY-200 SYSTEM OR APPROVED EQUAL
      EXPANSION BOLTS — HILTI KWIK BOLT TZ OR APPROVED EQUAL
3. CAST-IN-PLACE
   a. REINFORCING STEEL CLEAR COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
      (1) NONPRESTRESSED/ NON-POST-TENSIONED CONCRETE:

	COVER
a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
b. CONCRETE EXPOSED TO EARTH OR WEATHER:	
• #6 BARS OR LARGER	2"
• #5 BARS AND SMALLER	1-1/2"
c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
• SLABS, WALLS AND JOISTS: #11 BARS AND SMALLER	3/4"
d. BEAMS, AND COLUMNS:	
• PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS	1-1/2"

   b. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE BARS CONTINUOUS AROUND CORNERS. WHEN PERMITTED, SPLICES SHALL BE MADE BY CONTACT TENSION LAP SPLICES, UNLESS OTHERWISE NOTED.
   c. WELDED WIRE FABRIC REINFORCEMENT SHALL BE SUPPLIED IN SHEETS, EXCEPT FOR SLAB ON GRADE CONSTRUCTION WHERE ROLLS MAY BE LAP TWO FULL MESH LENGTHS AT SPLICES AND WIRE TOGETHER.
   d. NO WELDING OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.
   e. PROVIDE PLASTIC TIPPED BOLSTERS AND CHAIRS AT ALL LOCATIONS WHERE THE CONCRETE SURFACE IN CONTACT WITH THE BOLSTERS OR CHAIRS ARE EXPOSED.
   f. CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS ON GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM LENGTH BETWEEN JOINTS TO 15'-0" IN ANY DIRECTION. ALLOW A MINIMUM OF 48 HOURS TIME BETWEEN PLACEMENT OF ADJACENT SECTIONS.
   g. ALL FORMWORK, SHORING, AND RESHORING, SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMISSIONS SHALL BEAR THE ENGINEER'S SEAL AND SIGNATURE.
   h. NO SLEEVES SHALL BE PLACED THROUGH ANY CONCRETE ELEMENT UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, APPROVED SLEEVING SHOP DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY THE STRUCTURAL ENGINEER.
   i. ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE WHENEVER FEASIBLE. DRILLED OR POWDER DRIVEN FASTENERS WILL BE PERMITTED WHEN PROVEN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND HAVE THE SAME CAPACITY AS CAST-IN-PLACE INSERTS.
   j. WHEN INSTALLING EXPANSION BOLTS OR ADHESIVE ANCHORS, THE CONTRACTOR SHALL TAKE MEASURES TO AVOID DRILLING OR CUTTING OF ANY EXISTING REINFORCING AND DESTRUCTION OF CONCRETE. HOLES SHALL BE BLOWN CLEAN PRIOR TO PLACING BOLTS OR ADHESIVE ANCHORS.
   k. CHAMFER ALL EXPOSED CONCRETE CORNERS, 3/4" x 3/4" MINIMUM, UNLESS NOTED THERWISE ON ARCHITECTURAL DRAWINGS.
   l. THE CONCRETE SLABS SHALL BE FINISHED, WITHIN TOLERANCE, TO THE ELEVATIONS INDICATED ON THE DRAWINGS.
   m. THE BEARING ELEVATION OF A THICKENED SLAB SHALL NOT SLOPE MORE THAN 1" FOR EVERY 2" OF HORIZONTAL DISTANCE UNLESS NOTED OTHERWISE.
   n. CONCRETE SLABS ON GRADE SHALL BE PLACED ON A MINIMUM 6" LAYER OF CLEAN, WELL-GRADED GRAVEL OR CRUSHED STONE CONFORMING TO THE SPECIFICATIONS OVER PROPERLY COMPACTED SUBGRADE. A VAPOR BARRIER SHALL BE PLACED ON TOP OF THE LAYER OF GRAVEL AT INTERIOR SLABS.
   o. WHERE REQUIRED ON ARCHITECTURAL DRAWINGS, PROVIDE CONTINUOUS WATER STOP AT ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS IN ALL ELEVATOR PITS AND OTHER PIT WALLS.
4. INSPECTION AND TESTING
   a. REFER TO SPECIFICATION SECTIONS 014000, 014533 AND 033000.

F. MASONRY

1. CODES
   a. "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402 /ACI 530 / ASCE 5" AND "SPECIFICATIONS FOR MASONRY STRUCTURES, TMS 602 / ACI 530.1 / ASCE 6" MASONRY STANDARDS JOINT COMMITTEE.
2. MATERIALS

a. LOAD BEARING CONCRETE HOLLOW AND SOLID	ASTM C90	-MEDIUM WEIGHT
b. MORTAR	ASTM C270	-TYPE M (BELOW GRADE) -TYPE S (ABOVE GRADE)
c. GROUT	ASTM C476	-f'c = 3000 PSI MIN.
d. PRISM STRENGTH	f'm = 2000 PSI, UNIT STRENGTH METHOD	
e. HORIZONTAL JOINT REINFORCEMENT	ASTM A951, GALVANIZED PER ASTM A153, CLASS B2	

3. GENERAL
   a. PROVIDE GALVANIZED HORIZONTAL JOINT REINFORCEMENT IN ALL WALLS AND PARTITIONS AT 16" O.C. UNLESS OTHERWISE SHOWN OR NOTED. PROVIDE ONE PIECE PREFABRICATED UNITS AT 8" O.C. AT ALL WALL CORNERS AND INTERSECTIONS.
   b. PROVIDE MASONRY ANCHORS AT 16" O.C. SET ON COURSING AND ATTACHED TO ALL BEAMS, COLUMNS, PARTITIONS AND WALLS ABUTTING OR EMBEDDED IN MASONRY.
   c. PROVIDE BOND BEAMS WITH (2) #5 HORIZONTAL REINFORCEMENT CONTINUOUS IN ALL MASONRY WALLS AT EACH FRAMING LEVEL, AND TOP OF WALL UNLESS NOTED OTHERWISE.
   d. ALL PIERS AND PARTITIONS SHALL BE BONDED OR ANCHORED TO ADJACENT MASONRY WALLS. PROVIDE TIES TO ADJACENT FLOOR AND ROOF CONSTRUCTION IN ACCORDANCE WITH DETAILS AND DRAWINGS.
   e. IN GROUTED AND/OR REINFORCED MASONRY WALLS, USE MASONRY UNITS WITH CORES THAT ALIGN VERTICALLY TO PROVIDE CONTINUOUS UNOBSTRUCTED CELLS FOR GROUTING AND REINFORCING STEEL PLACEMENT.
   f. LAP SPLICES FOR DEFORMED REINFORCING BARS USED IN MASONRY CONSTRUCTION SHALL BE 50 BAR DIAMETERS.
   g. ALL WALL SECTIONS AND PIERS LESS THAN 4 SQUARE FEET IN CROSS-SECTIONAL AREA TO BE FULLY GROUTED OR OF 100% SOLID MASONRY
   h. SUBMIT GROUT MIX DESIGN AND MASONRY UNIT CERTIFICATIONS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
   i. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SUPPORT FOR ALL MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE.
   j. SEE SPECIFICATIONS AND DETAILS FOR GENERAL CONTROL JOINT REQUIREMENTS. JOINTS ARE TO BE CONSTRUCTED IN ALL WALLS AND PARTITIONS.
   k. THE CONTRACTOR SHALL PROVIDE LINTELS FOR NON-LOAD BEARING WALLS AND PARTITIONS PER PLANS AND DETAILS.
   l. THE CONTRACTOR SHALL VERIFY ALL OPENINGS BELOW LINTELS INDICATED ARE ADEQUATE TO ACCEPT DOOR FRAMES, LOUVERS, ETC. AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS. NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO LINTEL INSTALLATION.
   m. NO OPENINGS SHALL BE PLACED ABOVE ANY LINTEL WITHIN A HEIGHT LESS THAN OR EQUAL TO THE WIDTH OF THE CLEAR OPENING BELOW THE LINTEL, UNLESS SPECIFICALLY SHOWN OR APPROVED BY THE STRUCTURAL ENGINEER.
   n. PROVIDE #4 BARS AT 48" O.C. MINIMUM VERTICAL REINFORCING IN SOLID GROUTED CORES FOR ALL MASONRY WALLS UNLESS NOTED OTHERWISE.
4. INSPECTION AND TESTING
   a. REFER TO SPECIFICATION SECTIONS 01 40 00, 01 45 33 AND 04 20 00.

G. STRUCTURAL STEEL

1. CODES
   a. "AISC STEEL CONSTRUCTION MANUAL", FOURTEENTH EDITION, 2011, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (INCLUDING SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, AND AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES; WITH EXCEPTION, IF ANY, AS INDICATED IN THE SPECIFICATIONS).
   b. "MANUAL OF STEEL CONSTRUCTION, VOLUME II CONNECTIONS", ASD NINTH EDITION/LRFD SECOND EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
   c. "DETAILING FOR STEEL CONSTRUCTION", AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
   d. "STRUCTURAL WELDING CODE ANSI/AWS D1.1", AMERICAN WELDING SOCIETY.
2. MATERIALS

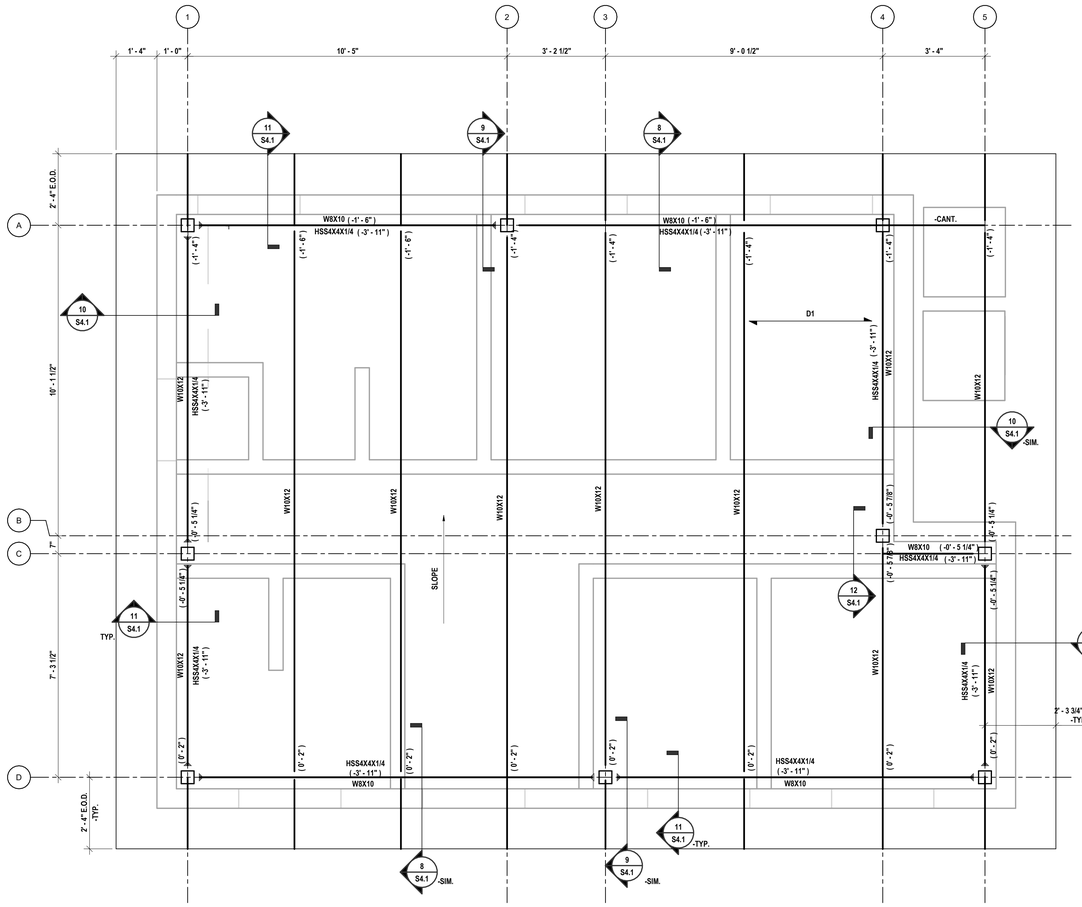
a. ROLLED SHAPES	ASTM A992, Fy = 50ksi
b. CHANNELS, ANGLES AND PLATES	ASTM A36
c. STRUCTURAL TUBING (RECTANGULAR HSS)	ASTM A500, GRADE C, Fy = 50 ksi
d. STRUCTURAL TUBING (ROUND HSS)	ASTM A500, GRADE C, Fy = 50 ksi
e. STRUCTURAL PIPE	ASTM A53, GRADE B, Fy = 35 ksi
f. WELDING ELECTRODES	AWS A5.1 OR A 5.5, E70XX
g. HIGH STRENGTH BOLTS	ASTM F3125-N
h. ANCHOR RODS	ASTM A1554 GRADE 36
i. SMOOTH & THREADED ROD	ASTM A36
j. BRACED FRAME TIE RODS	ASTM A36
k. EXPANSION BOLTS	HILTI KWIK BOLT II OR APPROVED EQUAL
l. ADHESIVE ANCHORING SYSTEM	HILTI HIT SYSTEM OR APPROVED EQUAL
m. HEADED SHEAR STUDS	ASTM A108

3. GENERAL
   a. ALL SHOP AND FIELD CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS OR WELDS. ALL HIGH STRENGTH BOLT AND NUTS SHALL BE CLEARLY MARKED AS REQUIRED BY AISC SPECIFICATIONS. CONNECTIONS MADE WITH UNMARKED BOLTS AND NUTS WILL BE REJECTED.
   b. PROVIDE ACCESS FOR INSPECTION OF ALL SHOP AND FIELD CONNECTIONS FOR PROPER MATERIALS AND WORKMANSHIP.
   c. ALTERNATIVE CONNECTION DESIGNS SHALL ONLY BE ALLOWED WITH PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. IF SUCH APPROVAL IS GRANTED ALL CONNECTIONS, SPLICES AND ERECTION PIECES NOT IN ACCORDANCE WITH CONTRACT DRAWINGS (FABRICATOR REDESIGN) SHALL BE DESIGNED BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED BEARING THE ENGINEER'S SEAL AND SIGNATURE.
   d. PRIOR TO STARTING FABRICATION, CERTIFIED COPIES OF MILL TEST REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER.
   e. THE GENERAL CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY FABRICATION OR ERECTION ERRORS OR DEVIATIONS AND RECEIVE WRITTEN APPROVAL BEFORE ANY FIELD CORRECTIONS ARE MADE.
   f. CONNECTIONS SHALL BE SELECTED FOR REACTIONS AS SHOWN ON PLANS AND AS DETAILED AND SCHEDULED. REACTIONS ARE SHOWN AS FACTORED ASD LOADINGS. NO CONNECTION SHALL CONSIST OF LESS THAN (2) 3/4" DIAMETER F3125-N BOLTS OR WELDS DEVELOPING LESS THAN 10,000 POUNDS. MINIMUM WELD 3/16" FILLET.
   g. UNLESS OTHERWISE NOTED, ALL F3125 BOLTS SHALL BE TIGHTENED TO THE "SNUG TIGHT" CONDITION DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OR AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. THE SNUG TIGHT CONDITION MUST ENSURE THAT THE PLIES OF THE CONNECTED MATERIAL HAVE BEEN BROUGHT INTO SNUG CONTACT.
   h. PERMANENT FRAMING AND FINAL CONNECTION DETAILS ARE SHOWN ON THE DRAWINGS. THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR THE DESIGN OF TEMPORARY BRACING AND RECOMMENDED ERECTION PROCEDURES.
   i. WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT AND INTERPASS TEMPERATURES SHALL BE IN ACCORDANCE WITH THE AISC AND AWS SPECIFICATIONS. ANY STRUCTURAL STEEL DAMAGED IN WELDING IS TO BE REPLACED OR ACCEPTABLY REINFORCED AS ACCEPTABLE TO THE STRUCTURAL ENGINEER.
   j. WELDERS SHALL HAVE CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION TESTS. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.
   k. GAS CUTTING TORCHES SHALL NOT BE USED TO CORRECT FABRICATION ERRORS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
   l. ALL STEEL AT AND BELOW FINISHED GRADE OR FLOOR SLAB SHALL RECEIVE TWO (2) COATS OF BITUMINOUS PAINT - OR 3" MINIMUM CONCRETE COVER. ALL STRUCTURAL STEEL THAT IS LOCATED IN EXTERIOR UNHEATED SPACES, INCLUDING STEEL DIRECTLY EXPOSED TO WEATHER, SHALL BE SHOP GALVANIZED AND PRIMED. SEE "A" DRAWINGS FOR FINISH PAINTING.
   m. ALL STRUCTURAL STEEL THAT IS SUBJECT TO WETTING WITH SALT-LADEN WATER OR OTHER MILD CHEMICAL ATTACK SHALL BE COMMERCIAL BLAST CLEANED AND PAINTED WITH THREE COATS OF EPOXY PAINT IN ACCORDANCE WITH STEEL STRUCTURES PAINTING COUNCIL PAINTING SYSTEM SPECIFICATION NO. 13.01. A URETHANE TOPCOAT SHALL BE PROVIDED FOR ALL STEEL EXPOSED TO VIEW.
   n. ALL F3125 BOLTS SUBJECT TO DIRECT TENSION OR DESIGNED AS SC (SLIP CRITICAL) SHALL BE PRE-TENSIONED IN ACCORDANCE WITH ONE OF THE FOLLOWING METHODS AS DESCRIBED IN THE AISC "MANUAL OF STEEL CONSTRUCTION": TURN-OF-NUT TIGHTENING, CALIBRATED WRENCH TIGHTENING OR DIRECT TENSION INDICATOR TIGHTENING.
4. INSPECTION AND TESTING
   a. REFER TO SPECIFICATION SECTION 014000, 014533 AND 051200.

H. STEEL DECK

1. CODES
   a. SDI-NC1.0 "STANDARD FOR NONCOMPOSITE STEEL FLOOR DECK" - STEEL DECK INSTITUTE
   b. SDI-RD1.0 "STANDARD FOR STEEL ROOF DECK" - STEEL DECK INSTITUTE
   c. SDI-C "STANDARD FOR COMPOSITE STEEL FLOOR DECK SLABS" - STEEL DECK INSTITUTE
   d. AISI S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", -AMERICAN IRON AND STEEL INSTITUTE.
2. MATERIALS
   a. GALVANIZED METAL FLOOR AND ROOF DECK ASTM A653
3. GENERAL
   a. TYPICAL NON-ACOUSTIC ROOF DECK PROPERTIES ARE BASED ON PRODUCTS MANUFACTURED BY VULCRAFT® AS NOTED. PROVIDE STEEL DECK WITH THE FOLLOWING MINIMUM SECTION PROPERTIES:

1 1/2"

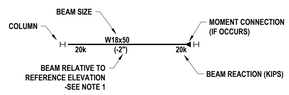


2 ROOF FRAMING PLAN

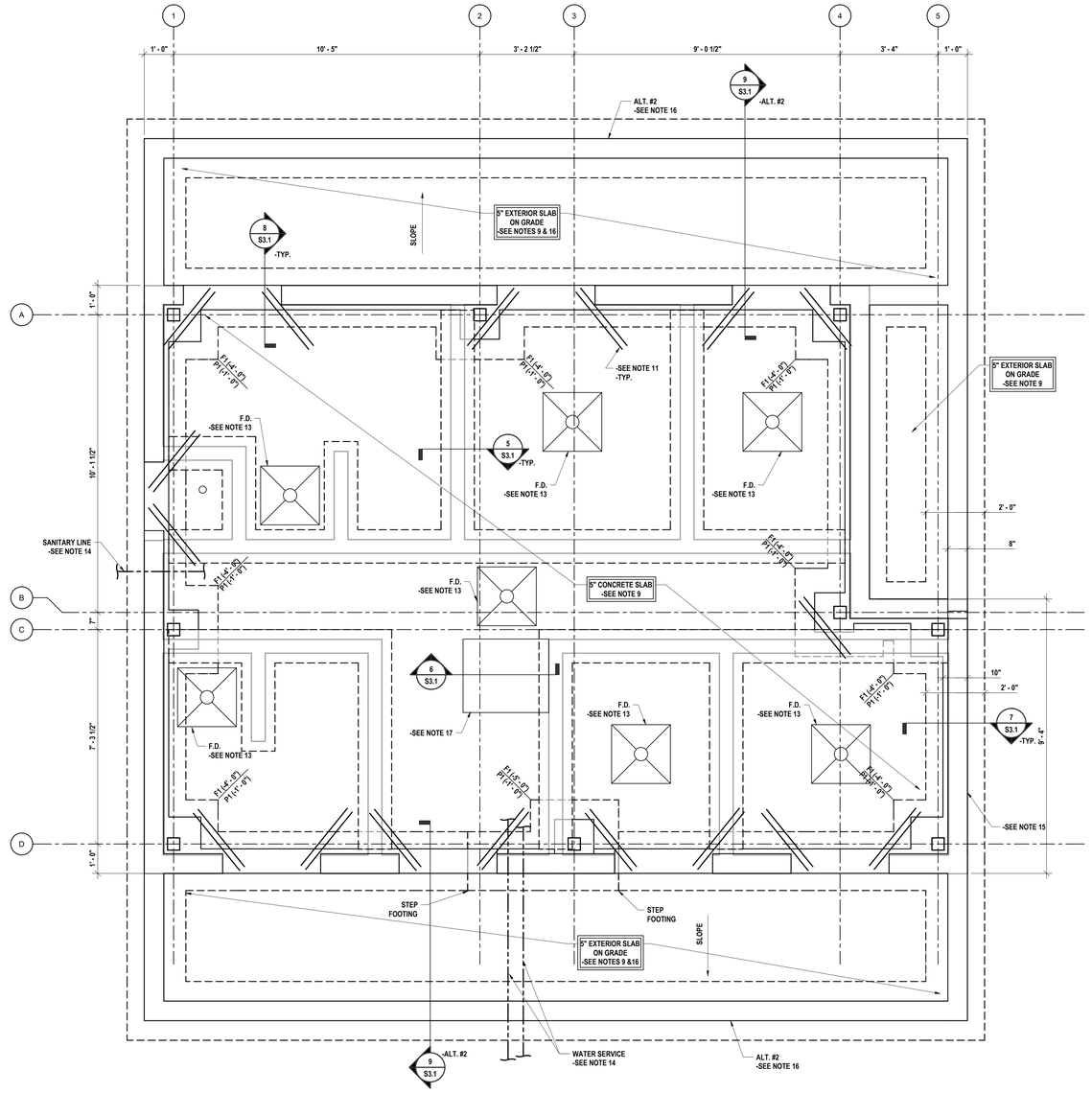
1/2" = 1'-0"

PLAN NOTES:

1. TOP OF ROOF STEEL = 12'-7" (499.83' ± V.I.F.), UNLESS NOTED. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (±0'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE S0.1 FOR GENERAL NOTES.
3. SEE S4.1 FOR TYPICAL DETAILS.
4. STRUCTURAL STEEL FRAMING KEY:



5. D1= TYPE B, WIDE RIB, 1 1/2" DEEP, 20 GAGE GALVANIZED ROOF DECK.
6. SEE S4.1 FOR TYPICAL BOND BEAM LINTEL DETAIL.
7. ALL BEAMS ARE SPACED EVENLY BETWEEN COLUMN LINES UNLESS NOTED.
8. COORDINATE SIZE AND LOCATION OF ALL OPENINGS, INFILLS, AND SLEEVES WITH OTHER CONTRACTED WORK. PROVIDE SUPPORTS AT CURBS AND OPENINGS PER THE TYPICAL DETAILS.

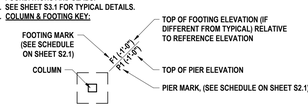


1 FOUNDATION PLAN

1/2" = 1'-0"

PLAN NOTES:

1. TOP OF SLAB EL.=0'-0" (487.25 +/- V.I.F.) UNLESS NOTED. FLOOR ELEVATION TO MATCH EXISTING FLOOR ELEVATION. THIS IS TO BE THE REFERENCE ELEVATION FOR THIS LEVEL. ALL ELEVATIONS INDICATED (±0'-0") ARE TAKEN FROM THIS REFERENCE ELEVATION.
2. SEE SHEET S0.1 FOR GENERAL NOTES, INCLUDING COMPACTION REQUIREMENTS FOR FOUNDATIONS AND SLABS.
3. SEE SHEET S3.1 FOR TYPICAL DETAILS.
4. COLUMN & FOOTING KEY:



5. SEE SHEET S2.1 FOR COLUMN AND BASE PLATE SCHEDULES AND DETAILS.
6. ALL PIERS COLUMNS AND FOOTINGS SHALL BE CENTERED ON COLUMN LINES UNLESS NOTED.
7. TOP OF EXTERIOR FOOTING ELEVATION = (-4'-0") UNLESS NOTED. TOP OF WALL FOOTING ELEVATION TO MATCH ADJACENT COLUMN FOOTING. STEP FOOTING AS REQUIRED PER THE TYPICAL DETAILS.
8. SEE "A" SERIES DRAWINGS FOR DIMENSIONS NOT SHOWN.
9. 5" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6-W2.0xW2.0 WWF. PROVIDE SUPPORT CHAIRS TO HOLD WWF IN POSITION DURING CONCRETE PLACEMENT. PROVIDE AIR ENTRAINMENT AND 2% SLOPE AT EXTERIOR SLABS.
10. AT SLABS PROVIDE CONSTRUCTION OR CONTROL JOINTS AT A SPACING NOT TO EXCEED 15'-0" UNLESS NOTED C.J. ON PLANS. FOR ADDITIONAL INFORMATION SEE TYPICAL DETAILS.
11. PROVIDE (2) #5x4'-0" MID-DEPTH OF SLAB AT ALL INTERIOR CORNERS.
12. SLOPE SLABS AS REQUIRED FOR DRAINAGE (MIN 1/8" PER FOOT), SEE "A & P" SERIES DRAWINGS.
13. SLOPE SLAB 1/4" PER FOOT SLOPE TO DRAIN WITHIN 2'-0" OF EACH DRAIN LOCATION. COORDINATE LOCATIONS WITH "A & P" SERIES DRAWINGS.
14. ALL SLEEVES FOR OTHER TRADES SHALL CROSS THROUGH THE FOUNDATION WALL. STEP FOOTING AS REQUIRED. COORDINATE SIZE, LOCATION AND INVERT WITH "L" SERIES DRAWINGS AND OTHER CONTRACTED WORK.
15. 8" CMU WALL WITH #5 BARS AT 32" O.C. MINIMUM VERTICAL REINFORCEMENT IN FULLY GROUTED CORES. PROVIDE CONTINUOUS 8" BOND BEAM REINFORCED WITH (2) #5 BARS AT TOP OF WALLS AND BEARING ELEVATIONS.
16. ALTERNATE #2: FROST WALL AT DOORS WITH 5" FIBER REINFORCED CONCRETE SLAB, ADDITIONALLY REINFORCED WITH 6x6-W2.0xW2.0 WWF. PROVIDE SUPPORT CHAIRS TO HOLD WWF DURING CONCRETE PLACEMENT. PROVIDE AIR ENTRAINMENT AND 2% SLOPE.
17. SEE SHEET S3.1 FOR CONCRETE PAD DETAIL. COORDINATE WITH THE REQUIREMENTS OF THE MECHANICAL UNIT.

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

FOUNDATION AND ROOF FRAMING PLANS

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

S1.1

PROJECT NO: 1544-010

COLUMN SCHEDULE

COLUMN LOCATION	SIZE	BASE REFERENCE	BASE OFFSET	TOP REFERENCE	TOP OFFSET	BASE PLATE MARK	NOTES
A-1	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	-1' - 6"	BP-1	
A-2	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	-1' - 6"	BP-2	
A-4	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	-2' - 2"	BP-1	
B-4	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	-0' - 5 7/8"	BP-2	
C-1	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	-0' - 5 1/4"	BP-2	
C-5	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	-0' - 5 1/4"	BP-1	
D-1	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	0' - 0"	BP-1	
D-3	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	0' - 0"	BP-2	
D-5	HSS5X5X5/16	0'-0"	-1' - 0"	12'-7"	0' - 0"	BP-1	

BASE PLATE SCHEDULE

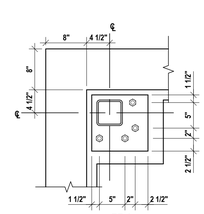
MARK	SIZE	ANCHOR BOLT SIZE	EMBEDMENT	NOTES
BP-1	11"x11"x3/4"	(4) 3/4" Ø	9"	OFFSET CORNER
BP-2	11"x11"x3/4"	(4) 3/4" Ø	9"	OFFSET

PIER REINFORCING SCHEDULE

MARK	PIER SIZE	VERTICAL REINFORCING	TIES	NOTES
P1	16"x16"	(6) #6 BARS	4@3", R@12"	

FOOTING SCHEDULE

MARK	SIZE	REINFORCING	NOTES
F1	3'-0"x3'-0"x1'-0"	(4) @5 BARS E.W.	



BP-2

BP-1

#	DATE:	DESCRIPTION OF REVISION:
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SCHEDULES

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

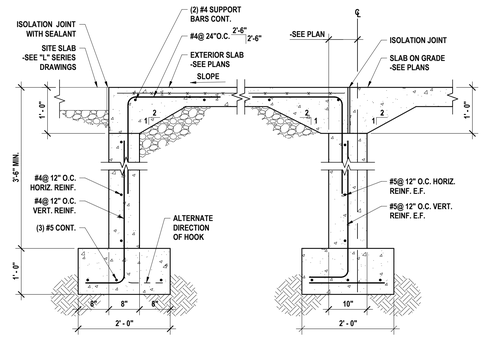
S2.1

PROJECT NO: 1544-010

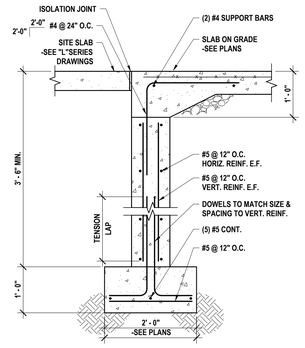
TENSION DEVELOPMENT AND LAP SPLICE LENGTHS FOR BARS IN WALLS, SLABS, AND FOOTINGS (ACI 25.4.2.3)

BAR SIZE	LAP CLASS	CONCRETE COVER = 0.75 IN.				CONCRETE COVER = 1.50 IN.				CONCRETE COVER = 2.00 IN.				CONCRETE COVER = 3.00 IN.			
		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED		UNCOATED		EPOXY COATED	
		TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2	TOP	OTHER	TOP	OTHER 2
#3	A	12	12	15	13	12	12	15	13	12	12	15	13	12	12	15	13
	B	15	12	19	17	15	12	19	17	15	12	19	17	15	12	19	17
#4	A	19	15	24	22	15	12	20	17	15	12	20	17	15	12	20	17
	B	24	19	32	28	20	15	25	22	20	15	25	22	20	15	25	22
#5	A	28	21	36	32	19	15	24	22	19	15	24	22	19	15	24	22
	B	36	28	47	41	24	19	32	28	24	19	32	28	24	19	32	28
#6	A	37	29	49	43	22	17	29	26	22	17	29	26	22	17	29	26
	B	48	37	63	56	29	22	38	34	29	22	38	34	29	22	38	34
#7	A	60	46	78	69	37	28	48	42	33	25	43	38	33	25	43	38
	B	78	60	102	90	48	37	62	55	42	33	55	49	42	33	55	49
#8	A	74	57	97	86	47	36	61	54	37	29	49	43	37	29	49	43
	B	96	74	126	111	60	47	79	70	48	37	63	56	48	37	63	56
#9	A	90	69	117	104	57	44	75	66	46	36	60	53	42	32	55	48
	B	117	90	153	135	74	57	97	86	60	46	78	69	55	42	71	63
#10	A	108	83	141	125	70	54	92	81	57	44	74	66	47	36	62	55
	B	140	108	183	162	91	70	119	105	74	57	97	85	61	47	80	71
#11	A	127	98	166	146	84	64	109	97	68	53	89	79	52	40	69	60
	B	165	127	215	190	109	84	142	125	89	68	116	102	68	52	89	79

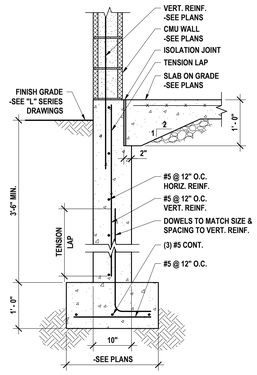
NOTES:
1. TABULATED VALUES ARE BASED ON A MINIMUM YEILD STRENTH OF 60,000 PSI AND NORMAL-WEIGHT CONCRETE. LENGTHS ARE IN INCHES.
2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-14. SECTIONS 25.4.2.3 AND 25.5.1 RESPECTIVELY, WITH BAR SIZES LIMITED TO #3 THROUGH #11.
3. WHEN THE VARIABLE "C_b" FROM ACI 25.4.2.3 WAS CALCULATED, IT WAS ASSUMED THAT CONCRETE COVER CONTROLLED. THAT IS, C.-C. SPACING WAS ASSUMED TO BE GREATER THAN 1.0 d_b PLUS TWICE THE CONCRETE COVER.
4. LAP SPLICE LENGTHS (MINIMUM OF 12 INCHES) ARE MULTIPLES OF TENSION DEVELOPMENT LENGTHS: CLASS A = 1.0 L_d AND CLASS B = 1.3 L_d (ACI 318 25.5.1) WHEN DETERMINING THE LAP SPICE LENGTH, L_d IS CALCULATED WITHOUT THE 12 INCH MINIMUM OF ACI 25.4.2.1.
5. TOP BARS ARE HORIZONAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
6. FOR EPOXY-COATED BARS, IF THE C.-C. SPACING IS AT LEAST 7.0 d_b AND THE CONCRETE COVER IS AT LEAST 3.0 d_b THEN LENGTHS MAY BE MULTIPLIED BY 0.918 (FOR TOP BARS) OR 0.8 (FOR OTHER BARS).
7. FOR GRADE 75 REINFORCING BARS, MULTIPLY THE TABULATED VALUE BY 1.25. FOR GRADE 80 REINFORCING BARS, MULTIPLY THE TABLULATED VALUES BY 1.33.
8. FOR LIGHTWEIGHT CONCRETE, DIVIDE THE TABULATED VALUES BY 0.75.



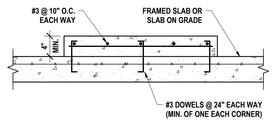
9 **TYPICAL FROST WALL AT ENTRANCE (ALTERNATE #2)**
3/4" = 1'-0"



8 **SLAB EDGE AT DOOR**
3/4" = 1'-0"

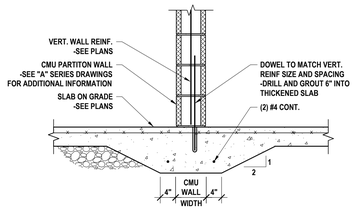


7 **EXTERIOR WALL FOUNDATION**
3/4" = 1'-0"



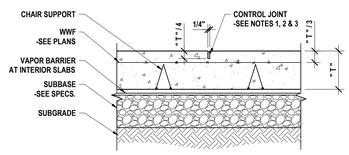
A **NEW CONSTRUCTION**

6 **CONCRETE PAD FOR EQUIPMENT**
1" = 1'-0"



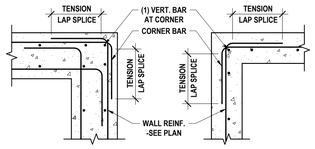
NOTES:
1. FOR USE AT ALL INTERIOR NON-LOAD BEARING MASONRY PARTITION WALLS.
2. THICKENED SLABS FOR INTERIOR NON-LOAD BEARING PARTITION WALLS WILL BE SHOWN ON FOUNDATION PLAN.

5 **TYPICAL THICKENED SLAB**
3/4" = 1'-0"



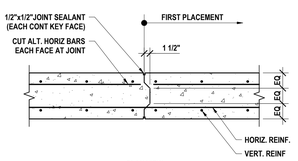
NOTES:
1. FORM THE CONTOL JOINT USING A PREFORMED REMOVABLE PLASTIC OR HARD BOARD INSERT. TOOL THE EDGES ON EACH SIDE OF INSERT.
2. SAW CUTS ARE PERMITTED AS CONTROL JOINTS. A "SOFF-CUT" MACHINE OR EQUAL SHALL BE USED DIRECTLY AFTER FINISHING SLAB.
3. FILL CONTROL JOINT WITH SEALANT AFTER THE SLAB HAS BEEN CURED

4 **TYPICAL SLAB ON GRADE AND CONTROL JOINT**
1 1/2" = 1'-0"



NOTES:
1. DOWEL BARS SHALL BE THE SAME SIZE AND SPACING AND HORIZONTAL REINFORCEMENT.
2. SEE TENSION LAP SPLICE SCHEDULE FOR LAP LENGTHS

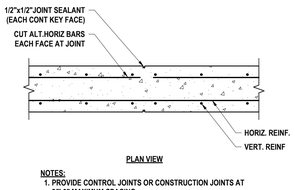
3 **CONCRETE WALL PLAN AT CORNER**
3/4" = 1'-0"



PLAN VIEW

NOTES:
1. CONSTRUCTION JOINTS MAY REPLCE A CONTROL JOINT AS REQUIRED.
2. DO NOT USE THIS DETAIL FOR SHEARWALLS OR WALLS DESIGNED TO SPAN HORIZONTALLY (NOTED ON PLANS).

2 **CONCRETE WALL CONSTRUCTION JOINT**
3/4" = 1'-0"



PLAN VIEW

NOTES:
1. PROVIDE CONTROL JOINTS OR CONSTRUCTION JOINTS AT 25'-0" MAXIMUM SPACING.
2. LOCATE FIRST JOINT NO FURTHER THAN 15'-0" FROM CORNER.
3. JOINT LOCATIONS AND DETAILS TO BE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
4. DO NOT USE THIS DETAIL FOR SHEARWALLS OR WALLS DESIGNED TO SPAN HORIZONTALLY (NOTED ON PLANS).

1 **CONCRETE WALL CONTROL JOINT**
3/4" = 1'-0"

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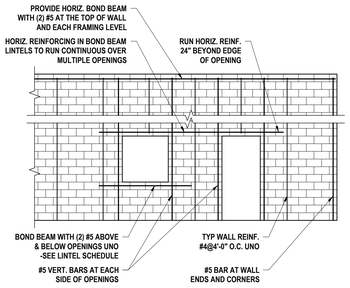
FOUNDATION DETAILS
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

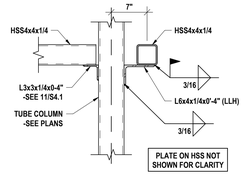
S3.1

PROJECT NO: 1544-010



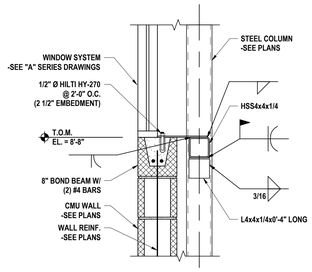
NOTES:
1. SEE "A" SERIES DRAWINGS FOR DOOR AND WINDOW SIZES AND WALL LAYOUTS.
2. ALL REINFORCEMENT IN THIS DETAIL TO BE IN ADDITION TO HORIZONTAL JOINT REINF. AND TO BE PLACED IN SOLID GROUTED CORES.
3. GROUT FULL DEPTH OF BOND BEAMS IN ONE POUR.

13 TYPICAL MASONRY WALL REINFORCING
3/16" = 1'-0"

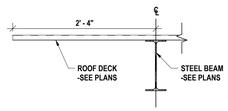


NOTES:
1. SEE DETAIL 11/S4.1 FOR MORE INFORMATION.

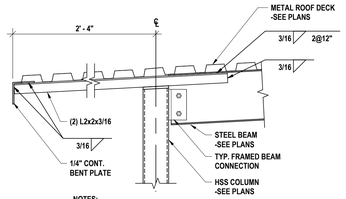
12 OFFSET TUBE CONNECTION
1" = 1'-0"



11 WALL SUPPORT DETAIL
1" = 1'-0"

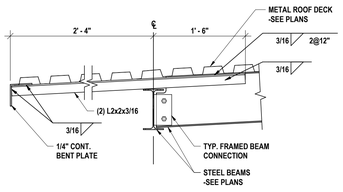


10 CANTILEVERED ROOF DECK
1" = 1'-0"



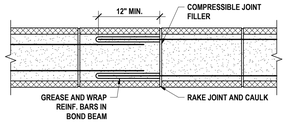
NOTES:
1. ROOF SLOPES OPPOSITE DIRECTION AT SIM.

9 CANTILEVER ROOF EDGE AT COLUMN
1" = 1'-0"

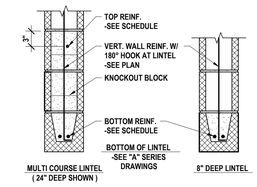


NOTES:
1. ROOF SLOPES OPPOSITE DIRECTION AT SIM.

8 CANTILEVER ROOF EDGE AT BEAM
1" = 1'-0"

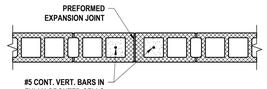


7 MASONRY WALL CONTROL JOINT (BOND BEAM)
1" = 1'-0"



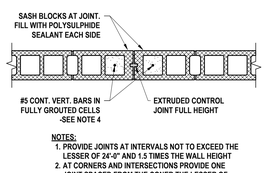
NOTES:
1. EXTEND HORIZONTAL REINFORCEMENT 24IN PAST EXTENT OF OPENING.
2. USE LOW LIFT GROUTING FOR PROPER GROUT FLOW AND CONSOLIDATION.
3. GROUT FULL DEPTH OF LINTEL IN ONE POUR.
4. PROVIDE PROPER SHORING FOR LINTEL DURING CONSTRUCTION.
5. AT EACH END OF OPENING PROVIDE VERTICAL #5 JAMB BAR IN SOLID GROUTED CORE. EXTEND VERTICAL REINFORCEMENT TO TOP OF WALL.
6. HOOK WALL REINFORCEMENT 180° AT LINTEL

6 TYPICAL BOND BEAM LINTEL
1" = 1'-0"



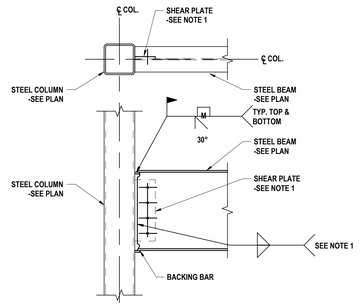
NOTES:
1. SEE PLAN FOR TYPICAL VERTICAL WALL REINFORCING REQUIREMENTS

5 CONCRETE BLOCK - EXPANSION JOINT
3/4" = 1'-0"



NOTES:
1. PROVIDE JOINTS AT INTERVALS NOT TO EXCEED THE LESSER OF 24'-0" AND 1.5 TIMES THE WALL HEIGHT
2. AT CORNERS AND INTERSECTIONS PROVIDE ONE JOINT SPACED FROM THE CONER THE LESSER OF 12'-0 AND 0.75 TIMES THE WALL HEIGHT
2. HORIZONTAL WIRE JOINT REINFORCEMENT DOES NOT EXTEND THROUGH JOINT
3. HORIZONTAL BOND BEAM REINFORCING AT FLOOR LINES SHALL CONTINUE THROUGH JOINT
4. SEE PLAN FOR TYPICAL VERTICAL WALL REINFORCING REQUIREMENTS

4 CONCRETE BLOCK - CONTROL JOINT
3/4" = 1'-0"

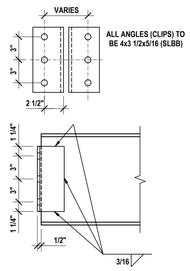


NOTES:
1. WEB CONNECTION REACTIONS SHOWN ON PLAN -SEE PLATE SCHEDULE.
2. SEE PLANS FOR LOCATIONS AND BEAM AD COLUMN SIZES.
3. PROVIDE COMPLETE PENETRATION GROOVE WELDS UNLESS OTHERWISE SHOWN.
4. AT TOP LEVEL PROVIDE COLUMN CAP PLATE.

3 WELDED CONNECTION - FULLY RIGID
1" = 1'-0"

TOTAL NUMBER OF BOLTS IN CLIPS	MINIMUM CONNECTION ON BEAM	MAXIMUM CONNECTION ON BEAM	3/4" Ø BOLT CAPACITY (KIPS) -SEE NOTE 1	3/16" E70XX WELD CAPACITY (KIPS) -SEE NOTE 1
			GIRDER (50KSI) MIN. WEB= 0.204"	BEAM (50KSI) MIN. WEB= 0.286"
4	W8, W10, W12	W8, W10	36.0	45.0
6	W14, W16, W18	W12, W14	56.7	65.7
8	W21, W24	W16	75.6	85.5
10	W27, W30	W18	94.5	103.5
12	W33, W36	W21	112.5	119.7

NOTES:
1. WHEN THE GIRDER OR BEAM WEB THICKNESS IS LESS THE MINIMUM WEB THICKENSS SHOWN, MULTIPLY LISTED CAPACITY BY RATIO OF ACTUAL THICKNESS TO LISTED MINIMUM THICKNESS.
2. THE LESSER OF THE GIRDER OR BEAM CONNECTION CAPACITIES SHALL BE TAKEN AS THE CONTROLLING CONNECTION CAPACITY.
3. EITHER A325-N OR A325-X BOLTS MAY BE USED.
4. WHEN CONNECTING TO EXISTING STEEL REDUCE CAPACITY TO 0.85 OF LISTED CAPACITY.

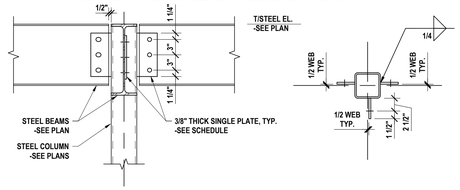


2 TYPICAL FRAMED BEAM CONNECTIONS
1 1/2" = 1'-0"

SINGLE PLATE CONNECTION SCHEDULE

MINIMUM CONNECTION ON BEAM	MAXIMUM CONNECTION ON BEAM	NO. OF BOLTS (TOTAL)	3/4" Ø BOLTS CAPACITY (KIPS)			
			A325-N STD & SSLT	MIN. WEB (IN)	A325-X STD & SSLT	MIN. WEB (IN)
W8, W10, W12	W8, W10	2	15.0	0.143	16.8	0.181
W14, W16, W18	W12, W14	3	26.5	0.168	33.4	0.212
W21, W24	W16	4	37.9	0.180	46.8	0.223
W27, W30	W18	5	49.1	0.187	57.8	0.220
W33, W36	W21	6	60.1	0.191	68.7	0.218

NOTES:
1. WHEN BEAM WEB THICKNESS IS LESS THAN LISTED THICKNESS, MULTIPLY LISTED CAPACITY BY RATIO OF ACTUAL THICKNESS TO LISTED MINIMUM THICKNESS
2. MINIMUM COLUMN THICKNESS = 0.25".
3. USE WELDING ELECTRODES E70XX FOR ALL WELDS.
4. WHEN CONNECTING TO EXISTING STEEL MULTIPLY THE LISTED CAPACITY BY 0.85



1 TYPICAL SINGLE PLATE CONNECTION AT COLUMN
1" = 1'-0"

DRAWN BY:	MKB
CHECKED BY:	NGB
DATE:	10/14/2025
PHASE:	CD

#	DATE:	DESCRIPTION OF REVISION:
1	12/01/2025	ISSUED FOR BID

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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BINGHAMTON, NY 607 - 798 - 4900 ALBANY, NY 607 - 798 - 4061
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

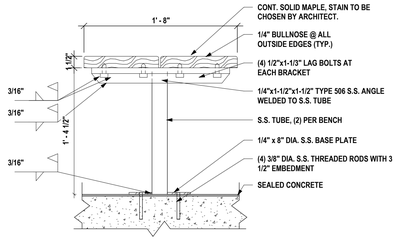
FRAMING DETAILS
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

S4.1

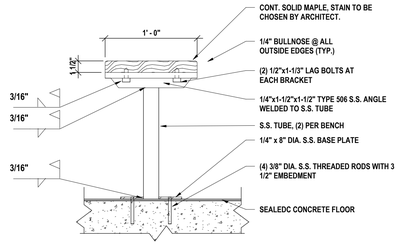
PROJECT NO: 1544-010

TOILET ROOM ACCESSORY SCHEDULE

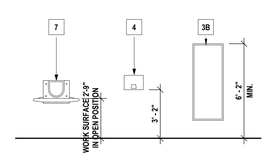
SYMBOL	DESCRIPTION	MANUFACT.	MODEL	SIZE	REMARKS
1A	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	36'	HORIZONTAL
1B	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	42"	HORIZONTAL
1C	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	18"	VERTICAL
2	TOILET TISSUE DISPENSER	FURNISHED BY OWNER	--	--	INSTALLED BY GC
3A	MIRROR	AMERICAN SPECIALTIES INC.	#600 SERIES	18" x 36"	SURFACE MOUNTED
3B	MIRROR	AMERICAN SPECIALTIES INC.	#600 SERIES	24" x 60"	SURFACE MOUNTED
4	ELECTRIC HAND DRYER	FURNISHED BY OWNER	--	--	INSTALLED BY GC
5	SOAP DISPENSER	FURNISHED BY OWNER	--	--	INSTALLED BY GC
6	SANITARY NAPKIN DISPOSAL	AMERICAN SPECIALTIES INC.	0852	7-1/2" x 10" x 3-7/8"	SURFACE MOUNTED
7	BABY CHANGING STATION	AMERICAN SPECIALTIES INC.	REFER TO SPEC.		SURFACE MOUNTED



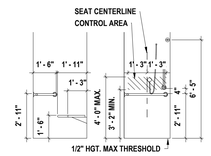
6 **BENCH DETAIL - ADA**
1 1/2" = 1'-0"



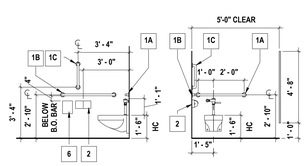
5 **BENCH DETAIL - TYP.**
1 1/2" = 1'-0"



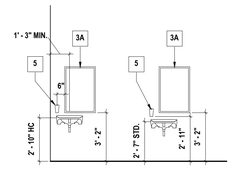
MISC. ACCESSORY MOUNTING HEIGHTS



TYP. SHOWER ACCESSORIES. GRAB BARS & SEAT @ HCP, ONLY



ACCESSIBLE TOILET MOUNTING HEIGHT



TYPICAL PLUMBING & ACCESSORY HEIGHT FOR SINGLE TOILET ROOMS

NOTES:
1. REFER TO FLOOR PLANS FOR QUANTITIES
2. ALL DIMENSIONS FROM FACE OF FINISHED FLOOR OR WALL

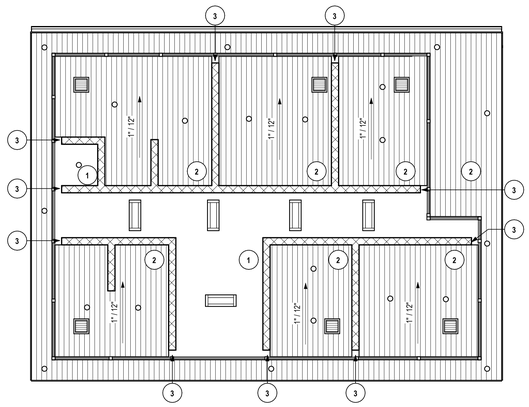
7 **TR MOUNTING HEIGHTS**
1/4" = 1'-0"

GENERAL NOTES:

A THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
B THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK AND NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
C ALL NEW DOOR FRAMES INSTALLED IN METAL STUD OR MASONRY PARTITIONS SHALL BE MOUNTED 4" FROM ADJACENT WALLS (6" TO DOOR). TOOTH IN CMU BLOCK AND ANCHORS AT DOORS IN EXISTING CMU WALLS, UNLESS NOTED OR DETAILED OTHERWISE.
D ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION & TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.
E ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL TO FACE OF WALL. UNLESS NOTED OTHERWISE.
F THERE SHALL BE A MINIMUM OF 1'-6" CLEAR FLOOR SPACE ON THE PULL SIDE OF ALL NEW DOORS; THERE SHALL BE A MINIMUM OF 1'-0" CLEAR FLOOR SPACE ON THE PUSH SIDE OF ALL NEW DOORS.
G THE WHEELCHAIR SYMBOL INDICATES HANDICAP ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABO/ANSI A117.1 AND ADAAG.
H EXTEND ALL NEW PARTITIONS TO DECK ABOVE, UNLESS NOTED OTHERWISE.
I ALL FINISHED ASSEMBLIES ARE REQUIRED TO BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ALL FINISHED ASSEMBLIES DAMAGED DURING THE COURSE OF CONSTRUCTION ARE REQUIRED TO BE REPLACED OR REPAIRED AT THE ARCHITECTS DIRECTION.
J ALL EXPOSED STEEL STRUCTURE TO BE PAINTED WITH HIGH PERFORMANCE EPOXY PAINT. COLOR TO BE SELECTED BY ARCHITECT.
K CONTRACTOR TO RANDOMIZE SPLIT FACE AND STANDARD FACE CMU, USING 50/50 OF EACH BLOCK TYPE. ELEVATIONSS REFERENCE DESIGN INTENT.
L ALL EXTERIOR WALLS TO BE TYPE 1 UNO.
M ALL PARTITION WALLS TO BE TYPE 1A UNO.

PLAN DRAWING NOTES:

1 PROVIDE DRINKING FOUNTAIN. REFER TO "P" DRAWINGS FOR ADDITIONAL INFORMATION.
2 PROVIDE SEALED CONCRETE FLOOR.
3 PROVIDE MOP SINK.
4 PROVIDE FLOOR DRAIN. REFERENCE 'P' DRAWINGS FOR ADDITIONAL INFORMATION.
5 ALL INTERIOR CMU WALLS AND PARTITIONS TO BE PAINTED WITH HIGH PERFORMANCE EPOXY PAINT. COLOR TO BE SELECTED BY ARCHITECT.
6 PROVIDE BENCH.
7 PROVIDE 24" DEEP SOLID SURFACE COUNTERTOP AND VANITY WITH METAL BRACKETS.



4 **FIRST FLOOR REFLECTED CEILING PLAN**
1/4" = 1'-0"

GENERAL CEILING NOTES:

A ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES AND MECHANICAL EQUIPMENT. COORDINATE WITH ALL OTHER PRIME CONTRACTORS.
B PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECHANICAL DUCTWORK AND PIPING UNLESS NOTED OTHERWISE. REFER TO FINISH KEY FOR COLORS.

RCP DRAWING NOTE:

1 OPEN TO STRUCTURE ABOVE; PAINT EXPOSED STRUCTURE, AND ALL CEILING MOUNTED ELEMENTS (NOT FACTORY FINISHED).
2 PROVIDE LONGBOARD CLADDING SYSTEM OR SIMILAR. CEILING SYSTEM TO MATCH SLOPE OF ROOF AND STRUCTURE ABOVE.
3 PROVIDE MULLION MATE OR SIMILAR TO ATTACH GLAZING SYSTEM AND PARTITION WALLS AT ALL INTERSECTIONS. INSTALL PER MANUFACTURER'S RECOMMENDATION.

RCP KEY

INDICATES ELEC. LIGHT FIXTURE

INDICATES ELEC. LIGHT FIXTURE

INDICATES HVAC GRILLE

GENERAL ROOF NOTES:

A PROVIDE ALL MATERIALS TO MAKE SMOOTH TRANSITIONS AT ROOF EDGES AND INTERSECTIONS.
B PROVIDE FLASHING AT ALL PENETRATIONS.
C PROVIDE ALL ROOF OPENINGS REQUIRED FOR ALL PENETRATIONS,

ROOF DRAWING NOTES:

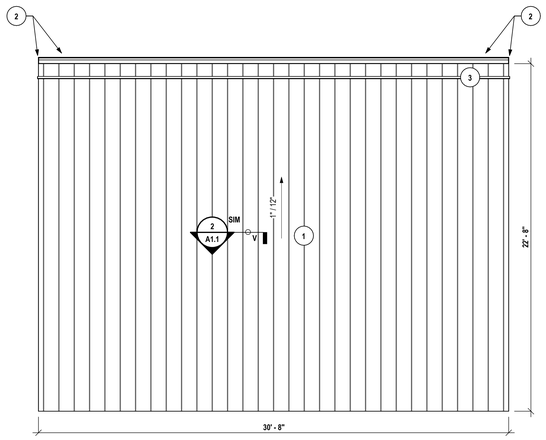
1 PROVIDE STANDING SEAM METAL ROOF SYSTEM.
2 PROVIDE ALUMINUM GUTTER AND DOWNSPOUT.
3 PROVIDE SNOWGUARD SYSTEM.

ROOF LEGEND:

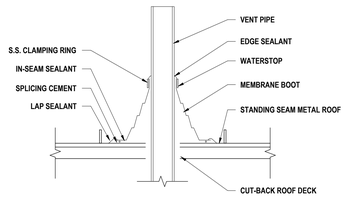
STANDING SEAM METAL ROOF SYSTEM

VENT PIPE

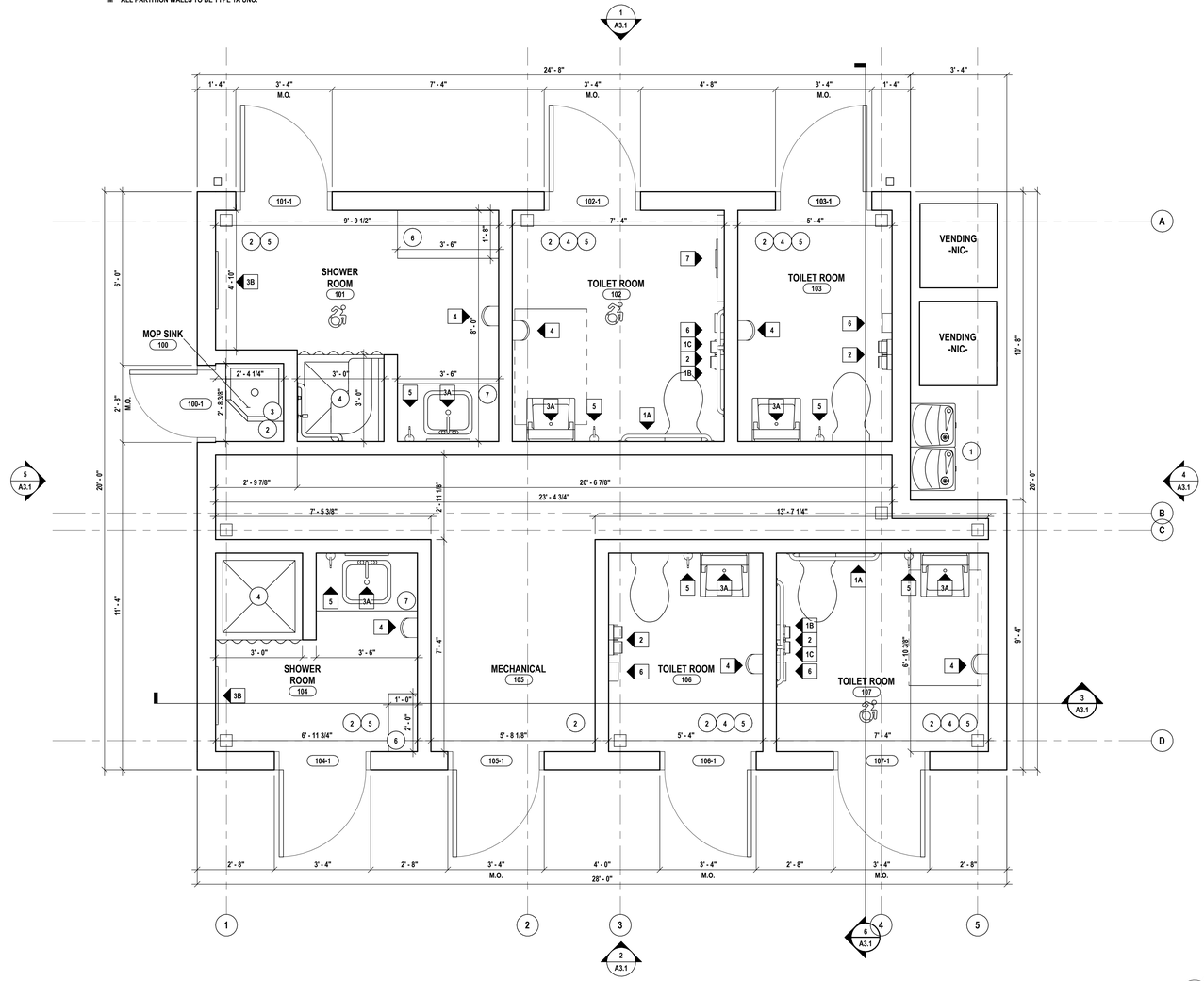
ARROW INDICATES DIRECTION OF SLOPE FOR THE ROOF STRUCTURE OR TAPPERED INSULATION (SEE STRUCTURAL DRAWINGS)



3 **ROOF PLAN**
1/4" = 1'-0"



2 **VENT PIPE DETAIL**
1 1/2" = 1'-0"



1 **FIRST FLOOR PLAN**
1/2" = 1'-0"

DRAWN BY:	ECW / DKW
CHECKED BY:	MLS
DATE:	10/14/2025
PHASE:	CD

#	DATE:	DESCRIPTION OF REVISION:
1	12/01/2025	ISSUED FOR BID

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220013146H-1

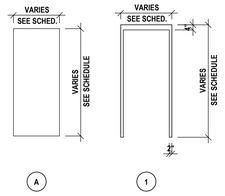
FIRST FLOOR PLAN, ROOF PLAN, AND RCP
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

A1.1

PROJECT NO: 1544-010

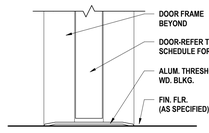
DOOR SCHEDULE

#	DOOR					HDWR SET	FRAME			DETAIL			NOTES
	TYPE	SIZE	THICK.	MATL.	FINISH		TYPE	MATL.	FINISH	HEAD	JAMB	SILL	
100-1	A	2' - 4" x 7' - 0"	1 3/4"	HM	PNT	1.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
101-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
102-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
103-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
104-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
105-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	1.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
106-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.
107-1	A	3' - 0" x 7' - 0"	1 3/4"	HM	PNT	2.0	1	HM	PNT	13/ A3.1	14/ A3.1	15/ A3.1	ALT #1: FRP DOORS AND ALUM. FRAMES.

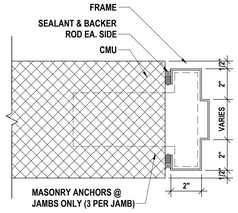


A DOOR TYPES
1/4" = 1'-0"

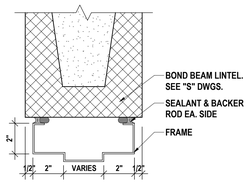
A FRAME TYPES
1/4" = 1'-0"



15 THRESHOLD DETAIL B
3" = 1'-0"



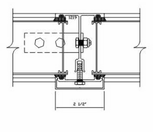
14 DOOR JAMB DETAIL A - CMU WALL
3" = 1'-0"



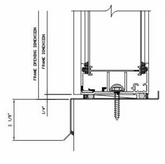
13 DOOR HEAD DETAIL A - CMU WALL
3" = 1'-0"

TRANSLUCENT PANEL WALL SCHEDULE

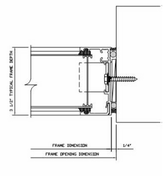
MARK	FRAME		GLAZING	NOTES
	MATERIAL	FINISH		
100-A	ALUM	BLACK ANOD.	PER MANUFACTURER - TRANSLUCENT	KINGSPAN UNIGRID SYSTEM OR EQUAL.
100-B	ALUM	BLACK ANOD.	PER MANUFACTURER - TRANSLUCENT	KINGSPAN UNIGRID SYSTEM OR EQUAL.
100-C	ALUM	BLACK ANOD.	PER MANUFACTURER - TRANSLUCENT	KINGSPAN UNIGRID SYSTEM OR EQUAL.
100-D	ALUM	BLACK ANOD.	PER MANUFACTURER - TRANSLUCENT	KINGSPAN UNIGRID SYSTEM OR EQUAL.
100-E	ALUM	BLACK ANOD.	PER MANUFACTURER - TRANSLUCENT	KINGSPAN UNIGRID SYSTEM OR EQUAL.
100-F	ALUM	BLACK ANOD.	PER MANUFACTURER - TRANSLUCENT	KINGSPAN UNIGRID SYSTEM OR EQUAL.



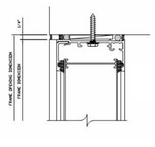
12 MULLION DETAIL AT TRANSLUCENT PANELS
3" = 1'-0"



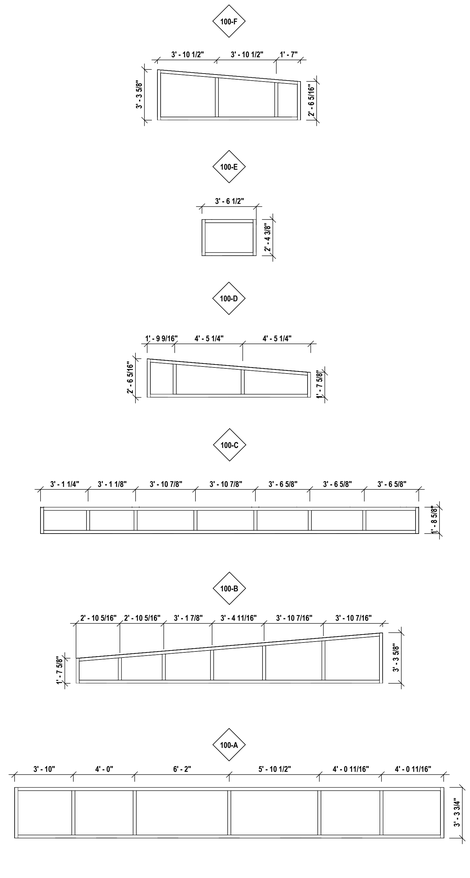
11 SILL DETAIL AT TRANSLUCENT PANELS
3" = 1'-0"



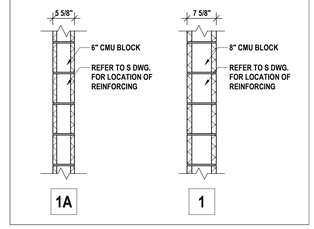
10 JAMB DETAIL AT TRANSLUCENT PANELS
3" = 1'-0"

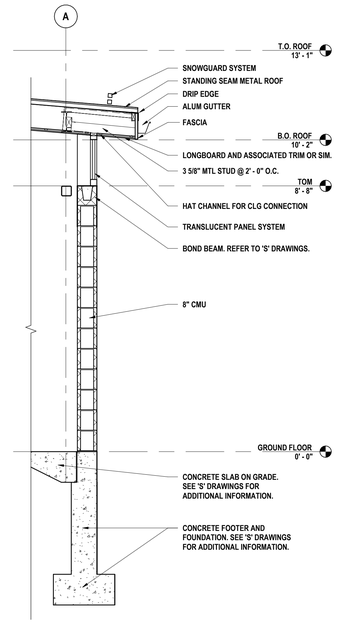


9 HEAD DETAIL AT TRANSLUCENT PANELS
3" = 1'-0"

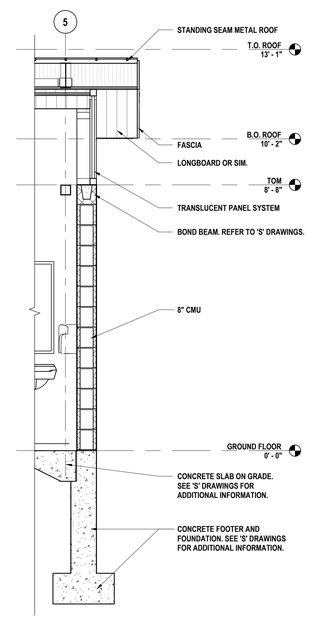


WALL TYPES

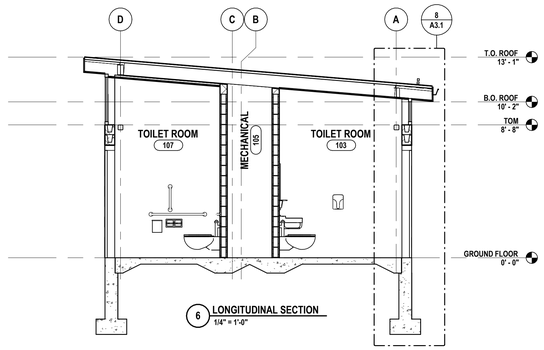




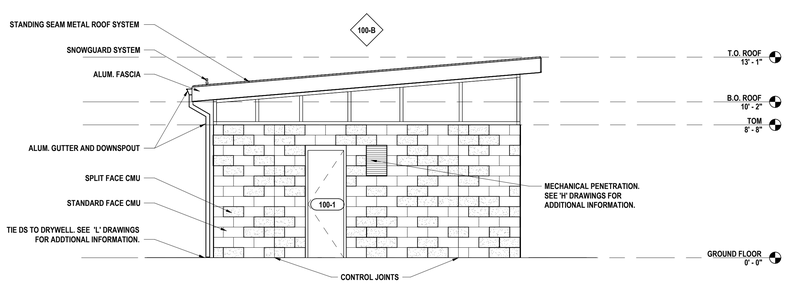
8 WALL SECTION B
1/2" = 1'-0"



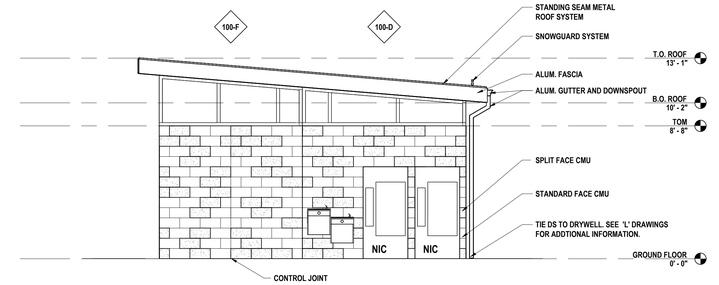
7 WALL SECTION A
1/2" = 1'-0"



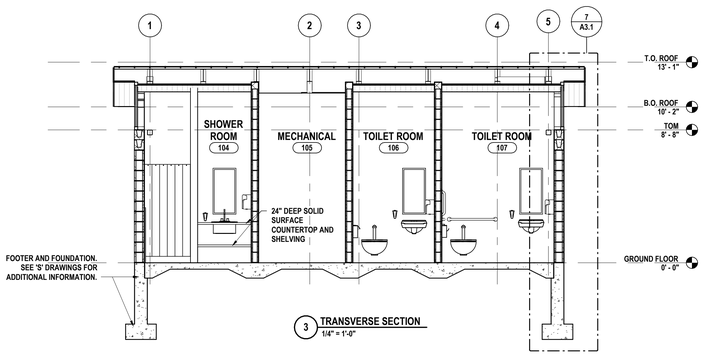
6 LONGITUDINAL SECTION
1/4" = 1'-0"



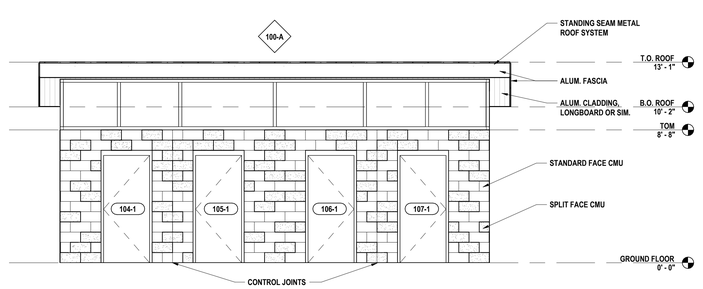
5 WEST ELEVATION
1/4" = 1'-0"



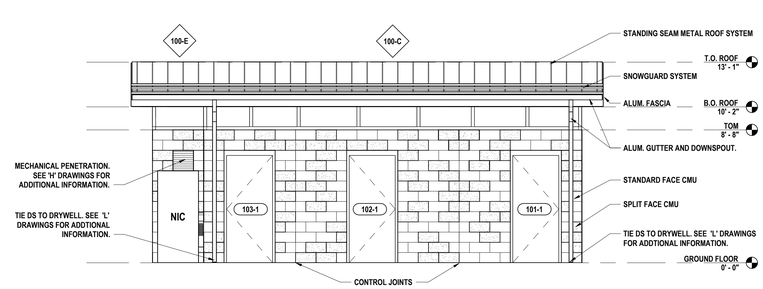
4 EAST ELEVATION
1/4" = 1'-0"



3 TRANSVERSE SECTION
1/4" = 1'-0"



2 SOUTH ELEVATION
1/4" = 1'-0"



1 NORTH ELEVATION
1/4" = 1'-0"

DRAWN BY:	ECW / DKW
CHECKED BY:	MLS
DATE:	10/14/2025
PHASE:	CD

#	DATE:	DESCRIPTION OF REVISION:
1	12/01/2025	ISSUED FOR BID

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ENDWELL, NY 607 - 748 - 7411 ALBANY, NY 607 - 798 - 9361
WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22013146-1

ELEVATIONS, SECTIONS, SCHEDULES AND DETAILS
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

A3.1

PROJECT NO: 1544-010

FAN SCHEDULE

FAN #	CFM	MANUFACTURER/MODEL	RPM	ELECTRICAL			dBA	SP (")	DRIVE	REMARKS & NOTES
				HP	VOLTS	PHASE				
EF-1	700	COOK / SQN-D VF	2800	1/3	230	1	57	0.6	EC MOTOR	1, 2, 3, 4

NOTES: 1. PROVIDE FACTORY WIRED DISCONNECT.
2. PROVIDE FAN MOUNTED SPEED CONTROL.
3. START/STOP BY OCCUPANCY SENSOR. REFER TO E-DWGS FOR CONTROLS.
4. PROVIDE BACKDRAFT DAMPER.

DIFFUSER, GRILLES AND LOUVERS SCHEDULE

UNIT #	FUNCTION	MFG / MODEL	FACE SIZE (W X H)	CFM	MAX SP	MAX N.C.	BORDER	REMARKS
G-1	EXHAUST	PRICE / 535	16" X 8"	VARIES	0.05	20	SURFACE MOUNTED	
G-2	SUPPLY	PRICE / 85	10" X 10"	VARIES	0.05	20	SURFACE MOUNTED	
L-1	EXHAUST	POTTORFF / EFJ-430	16" X 24"	700	0.03	20	-	1
L-2	SUPPLY	POTTORFF / EFJ-430	16" X 24"	700	0.03	20	-	1

NOTES: 1. COORDINATE BORDER TYPE WITH OTHER TRADES.

GENERAL NOTES - MECHANICAL

A ALL EQUIPMENT INTENDED TO BE TURNED OVER TO THE OWNER, SHALL BE BALANCED, FULLY CONTROLLED & FUNCTIONALLY TESTED REGARDLESS OF SUBSTANTIAL COMPLETION DATE.

B THIS DRAWING IS INTENDED TO SHOW THE GENERAL SCOPE OF ITEMS TO BE REMOVED. IT IS NOT INTENDED TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS TO BE REMOVED. ANY ITEM IN QUESTION SHOULD BE VERIFIED WITH THE ENGINEER PRIOR TO REMOVAL.

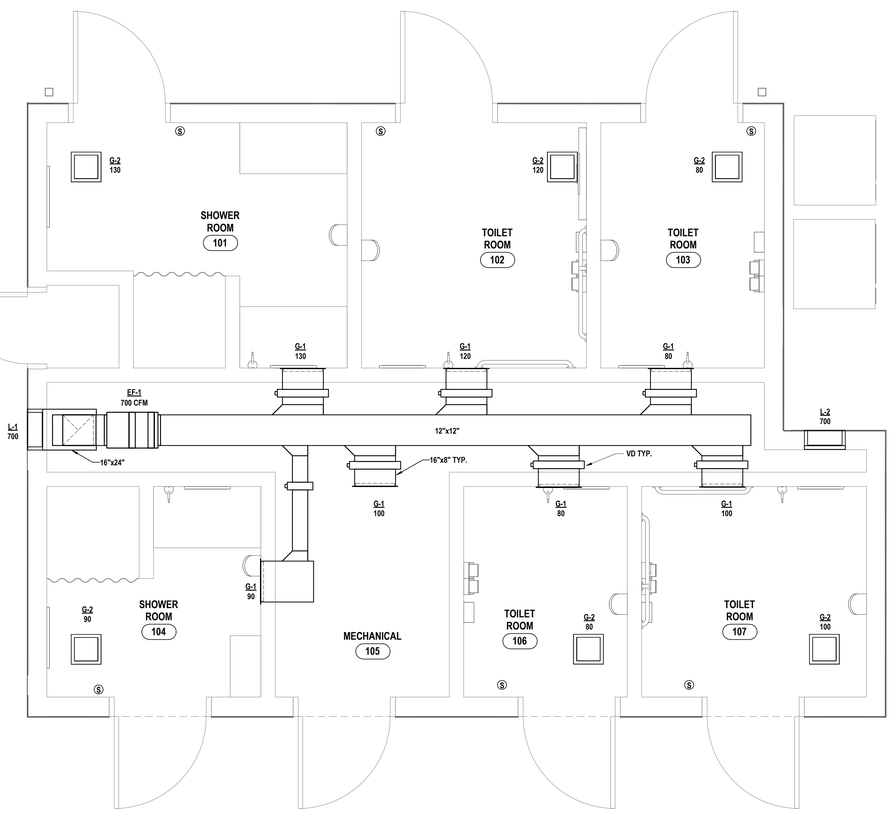
C ALL ITEMS SCHEDULED FOR DEMOLITION ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL PLACE WANTED EQUIPMENT IN AREA DESIGNATED, ON SITE BY THE OWNER. ANY ITEM THE OWNER WISHES NOT TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR.

D THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACT. CONTRACTOR TO PATCH TO MATCH ALL EXISTING FINISHES RESULTING FROM DEMOLITION WORK UNLESS INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.

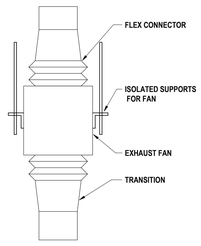
E THE CONTRACTOR SHALL REMOVE, PROTECT, REPLACE AND/OR REINSTALL ANY CEILING OR GRID DAMAGED OR REMOVED AS A RESULT OF EXECUTION OF CONTRACT SCOPE. UNLESS INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.

F COORDINATE ALL NEW ROOF, WALL, AND FLOOR PENETRATIONS WITH OTHER TRADES.

G PRIOR TO CONSTRUCTION AND INSTALLATION OF NEW WORK, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS (FRAMING, ELECTRICAL, PLUMBING, HVAC, ETC.). NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS THAT REQUIRE MODIFICATION TO NEW HVAC SYSTEM INSTALLATION.



1 FIRST FLOOR NEW WORK PLAN - AREA A
1/2" = 1'-0"



2 INLINE FAN DETAIL
N. T. S.

#	DATE:	DESCRIPTION OF REVISION:
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DRAWN BY: KMM
CHECKED BY: ENS
DATE: 10/14/2025
PHASE: CD

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BINGHAMTON, NY 607 - 584 - 6061 ALBANY, NY 607 - 796 - 6061
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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

FIRST FLOOR NEW WORK PLAN
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

H1.1

PROJECT NO: 1544-010

GENERAL NOTES - PLUMBING

A. ALL WORK ON THIS DRAWING IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER CONTRACT.

B. THESE DRAWINGS ARE INTENDED TO SHOW THE GENERAL SCOPE OF ITEMS TO BE REMOVED. IT IS NOT INTENDED TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS TO BE REMOVED. ANY ITEM IN QUESTION SHOULD BE VERIFIED WITH ENGINEER PRIOR TO REMOVAL.

C. ALL ITEMS SCHEDULED FOR DEMOLITION ARE THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL PLACE WANTED EQUIPMENT IN AREA DESIGNATED ON SITE BY OWNER. ANY ITEM THE OWNER WISHES NOT TO KEEP SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

D. THE CONTRACTOR SHALL REMOVE, PROTECT, REPLACE AND/OR REINSTALL ANY CEILING OR GRID DAMAGED OR REMOVED AS A RESULT OF EXECUTION OF CONTRACT SCOPE. UNLESS OTHERWISE INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.

E. THE PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS (FRAMING, ELECTRICAL, PLUMBING, HVAC, ETC) PRIOR TO CONSTRUCTION AND INSTALLATION OF NEW WORK. NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS THAT REQUIRE MODIFICATION TO NEW PLUMBING SYSTEM INSTALLATION.

F. THE CONTRACTOR IS TO REINSULATE ALL PORTIONS OF EXISTING PLUMBING SYSTEM DISTURBED DURING EXECUTION OF CONTRACT SCOPE.

G. THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW FLOOR OPENINGS, EXCAVATIONS OF EXISTING SUBSTRATES AND WALL PENETRATIONS TO INSTALL NEW PIPING. UNLESS OTHERWISE NOTED, ALL PIPE PENETRATIONS THROUGH WALLS AND FLOORS WILL BE SEALED WITH FIRE-STOPPING

H. UNLESS NOTED OTHERWISE THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ALL PIPING WITHIN 5 FEET FROM BUILDING. COORDINATE CONNECTIONS.

I. THE PLUMBING CONTRACTOR WILL BE RESPONSIBLE FOR PATCHING AND SEALING OF ALL DISTURBED SUBSTRATE, WALLS AND CEILING TO EXISTING FINISHES UNLESS OTHERWISE NOTED.

J. THE PLUMBING CONTRACTOR TO COORDINATE ALL NEW ROOF, WALL & FLOOR PENETRATIONS.

K. INVERT DIMENSION IS TO BOTTOM OF PIPE.

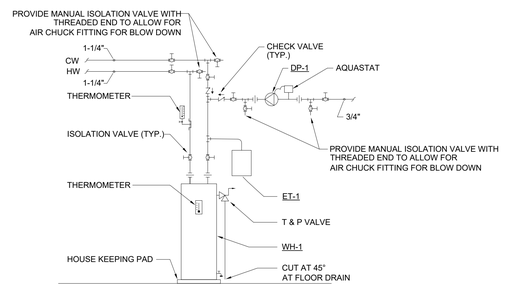
L. ALL PIPING TO BE ROUTED AS HIGH AND AS TIGHT TO STEEL STRUCTURE AS POSSIBLE.

M. THE CONTRACTOR WILL BE RESPONSIBLE FOR FINAL CONNECTION OF PLUMBING UTILITIES TO ALL EQUIPMENT REQUIRING SAID UTILITIES, INCLUDING THOSE PROVIDED BY OTHERS. COORDINATE AS REQUIRED.

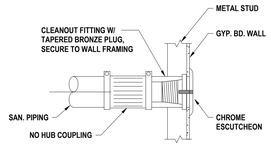
N. THE CONTRACTOR IS TO PROVIDE ADA COMPLIANT VINYL PIPE COVER ON EXPOSED COLD WATER, HOT WATER AND SANITARY PIPING BELOW ADA LAVATORY/SINK. SANITARY PIPE COVER SHALL BE INSTALLED UP TO BOTTOM OF FIXTURE.

O. REFER TO ARCH DRAWINGS FOR INDICATION OF ADA FIXTURES & ACCESSORIES, & ASSOCIATED MOUNTING HEIGHTS.

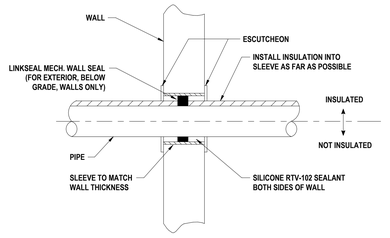
P. ALL DOMESTIC PIPING SHALL BE SLOPED 1/8" PER 1' TO ALL FIXTURES FOR WINTERIZATION PURPOSES.



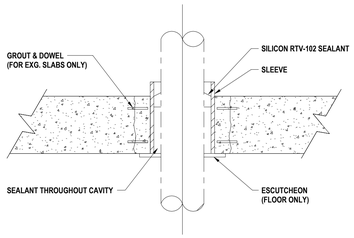
9 SINGLE WATER HEATER SCHEMATIC
N.T.S.



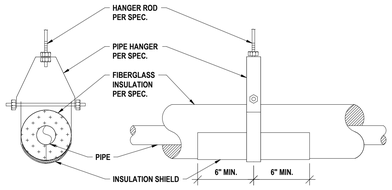
8 TYPICAL WALL CLEANOUT DETAIL
N.T.S.



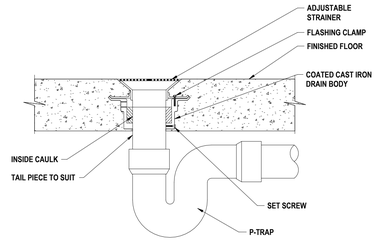
7 TYPICAL PIPE THRU WALL DETAIL
N.T.S.



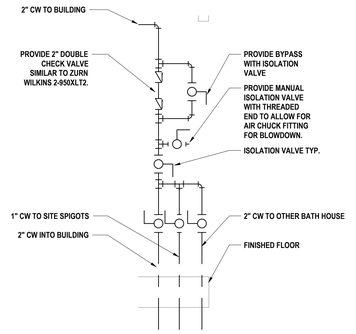
6 TYPICAL PIPE THROUGH FLOOR/SLAB DETAIL
N.T.S.



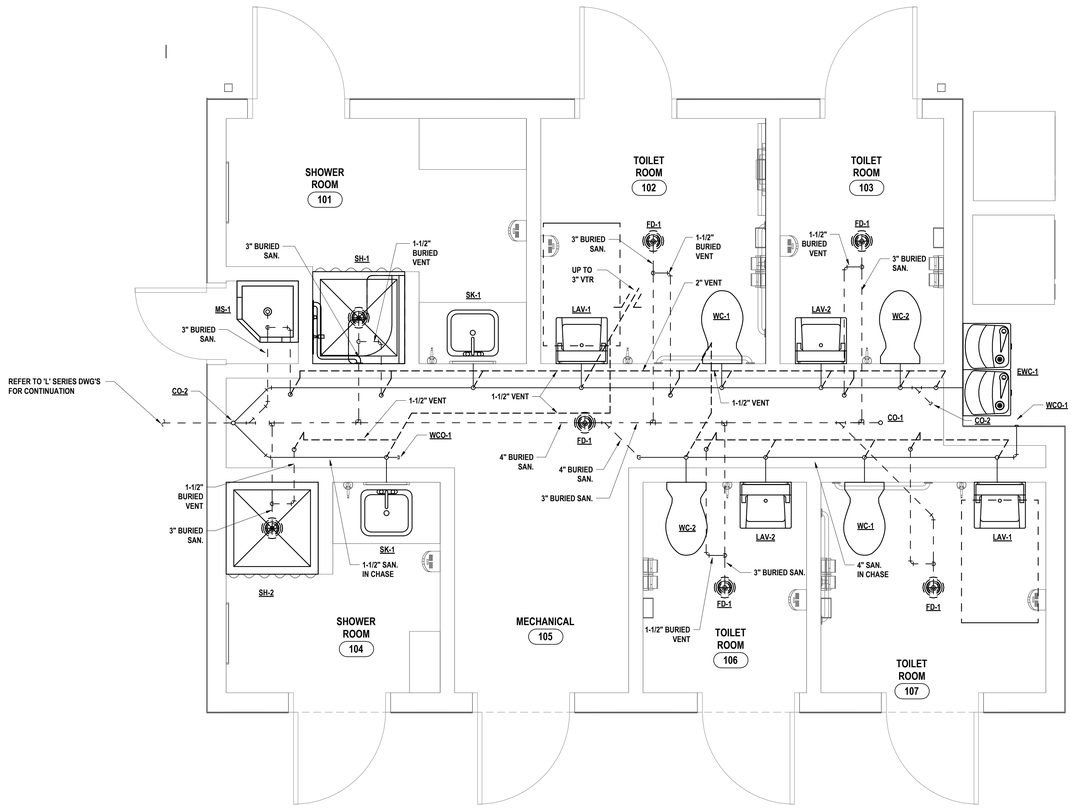
5 TYPICAL PIPE HANGER & SHIELD DETAIL
N.T.S.



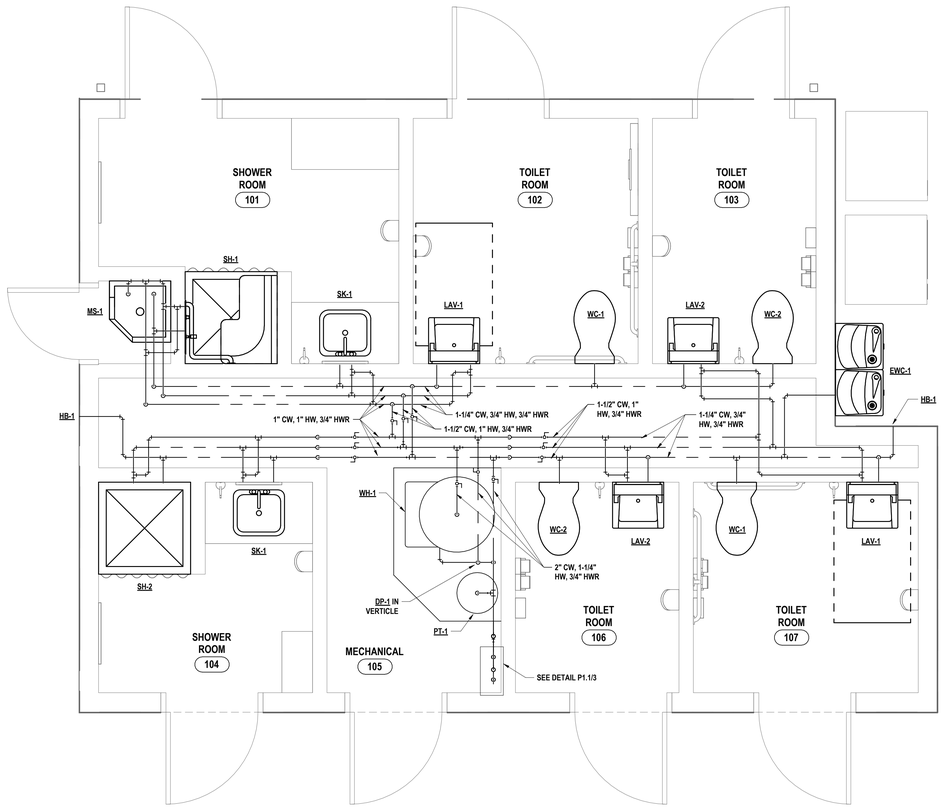
4 FLOOR DRAIN DETAIL
N.T.S.



3 WATER SUPPLY MANIFOLD
N. T. S.



2 FIRST FLOOR SANITARY PLAN
1/2" = 1'-0"



1 FIRST FLOOR DOMESTIC PLAN
1/2" = 1'-0"

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2209131464-1

FIRST FLOOR PLUMBING PLAN
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

P1.1

PROJECT NO: 1544-010

PLUMBING FIXTURE SCHEDULE

NO.	TYPE	MFG./MODEL	TRIM	REMARKS
WC-1	WATER CLOSET, WALL MOUNT, ADA COMPLIANT, COLOR: WHITE	AMERICAN STANDARD 2257.101, 1.28 GPF 1-1/2 INCH TOP SPUD	FLUSH VALVE: SENSORED (ELECTRIC) SLOAN ROYAL OPTIMA 111-1.28 ESS - TMO, 1.28 GPF, WITH TRUE MECHANICAL OVERRIDE FLUSH BUTTON	ELONGATED BOWL. PROVIDE ELONGATED SEAT SIMILAR TO BENEKE 527-SS, FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A.
WC-2	WATER CLOSET, WALL MOUNT, COLOR: WHITE	AMERICAN STANDARD 2257.101, 1.28 GPF 1-1/2 INCH TOP SPUD	FLUSH VALVE: SENSORED (ELECTRIC) SLOAN ROYAL OPTIMA 111-1.28 ESS - TMO, 1.28 GPF, WITH TRUE MECHANICAL OVERRIDE FLUSH BUTTON	ELONGATED BOWL. PROVIDE ELONGATED SEAT SIMILAR TO BENEKE 527-SS, FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A.
LAV-1	LAVATORY, WALL MOUNT, ADA COMPLIANT, COLOR: WHITE	AMERICAN STANDARD 0355.012 (3 HOLES ON 2" CENTERS)	FAUCET: SENSORED (ELECTRIC) CHICAGO 116.101.AB.1, 0.50 GPM	PROVIDE INFRARED FAUCET WITH 4 INCH COVER PLATE SIMILAR TO CHICAGO FAUCET MODEL 240.627.21.1, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS, ESCUTCHEON PLATES AND PIPE COVERS. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, B, C.
LAV-2	LAVATORY, WALL MOUNT, COLOR: WHITE	AMERICAN STANDARD 0355.012 (3 HOLES ON 2" CENTERS)	FAUCET: SENSORED (ELECTRIC) CHICAGO 116.101.AB.1, 0.50 GPM	PROVIDE INFRARED FAUCET WITH 4 INCH COVER PLATE SIMILAR TO CHICAGO FAUCET MODEL 240.627.21.1, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS, ESCUTCHEON PLATES AND PIPE COVERS. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, B, C.
SK-1	SINK, SINGLE, ADA COMPLIANT, 4-1/2" DEEP, COUNTERTOP MOUNT	AMERICAN STANDARD 0643001 (SINGLE HOLE)	FAUCET: SENSORED (ELECTRIC) SLOAN ETF 700-S - BDT, 2.20 GPM, (THERMOSTATIC VALVE), STRAINER: JUST J-35	PROVIDE INFRARED FAUCET, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS & ESCUTCHEON PLATES. NOTE A, B.
SH-1	SHOWER, ADA COMPLIANT, SURFACE WALL MOUNT, (VALVE RIGHT, SEAT LEFT)	BRADLEY HN250-BF-TMV-VR, 1.50 GPM		PROVIDE SHOWER WITH STAINLESS STEEL WALL PANEL WITH RECESSED SOAP DISH, WALL SHOWERHEAD AND HAND HELD SHOWER SPRAY ASSEMBLY, DIVERTER VALVE, THERMOSTATIC MIXING VALVE, GRAB BAR, PHENOLIC SEAT, CURTAIN, ROD AND HANGERS.
SH-2	SHOWER, INDIVIDUAL, SURFACE WALL MOUNT	BRADLEY WS-1WCA-TMV, 1.50 GPM		PROVIDE SHOWER WITH STAINLESS STEEL WALL PANEL WITH SOAP DISH, SHOWERHEAD, THERMOSTATIC MIXING VALVE, CURTAIN, ROD AND HANGERS.
EWC-1	ELECTRIC WATER COOLER, TWO STATION WITH SINGLE STATION BOTTLE FILLER, ADA COMPLIANT, WALL MOUNT	ELKAY LZS/LBWSLK (WITH FILTER) (BOTTLE FILLER ON LOWER UNIT)		PROVIDE LEAD FREE DESIGN, STAINLESS STEEL PANELS WITH FLEXI-GUARD BUBBLER, DIELECTRIC COUPLING, PLASTIC P-TRAP, LEAD FREE SUPPLY, LEAD FREE STOP, CANE APRON FOR UPPER UNIT SIMILAR TO ELKAY MODEL LKAPREZL. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A, I.
MS-1	MOP SINK, CORNER	ACORN ENGINEERING TNC-24-SH-SSC	FAUCET: CHICAGO 935-RCF (EXPOSED FITTINGS, CEILING SUPPLY)	PROVIDE MOP HOLDER AND HOSE BRACKET.
HB-1	HOSE BIBB, EXTERIOR WALL MOUNT	WOODFORD 19		FREEZELESS INTEGRAL ANTI-SIPHON FEATURE.
WH-1	WATER HEATER, ELECTRIC	STATE WATER HEATERS CSB-120-36 IFE		27kW, 119 GAL. ELECTRIC, ASME LABELED, IMMERSION THERMOSTAT. NOTE A.
PT-1	PRESSURE TANK	BELL & GOSSETT WTA-402		25 GALLON ACTUAL TANK VOLUME, TANK FILL PRESSURE 45 PSI, ASME LABELED.
DP-1	DOMESTIC PUMP, HOT WATER RECIRCULATION	ARMSTRONG ASTRO 230, BRONZE		PROVIDE LEAD FREE DESIGN, LINE VOLTAGE AQUASTAT. COORDINATE WIRING OF PUMP THROUGH LINE VOLTAGE AQUASTAT WITH ELECTRICAL CONTRACTOR. NOTE A.
FD-1	FLOOR DRAIN, WITH TRAP SEAL	ZURN ZN-415	FLUSH WITH FLOOR	PROVIDE NICKEL BRONZE STRAINER. REFER TO PLAN FOR PIPE SIZE. NOTE D.
CO-1	CLEANOUT, FLOOR	ZURN Z1400	ADJUSTABLE TOP	PROVIDE POLISHED BRONZE TOP REFER TO PLAN FOR PIPE SIZE. NOTE D.
CO-2	CLEANOUT, INLINE	ZURN Z1449		REFER TO PLAN FOR PIPE SIZE.
WCO-1	WALL CLEANOUT	ZURN Z1446		PROVIDE ACCESS COVER.
ET-1	EXPANSION TANK	BELL & GOSSETT PT-12		57 PSI FILL PRESSURE, 90 PSI MAX PRESSURE, 3.2 GALLON ACCEPTANCE VOLUME.

NOTES:

A. REFER TO PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE.

B. PROVIDE LOW LEAD CONTENT THERMOSTATIC MIXING VALVE SIMILAR TO CHICAGO FAUCET MODEL 122-ABNF (SERVES MAXIMUM 8 FAUCETS).

C. PROVIDE CONCEALED ARM FIXTURE SUPPORT FOR NEW LAVATORY WITH UPRIGHT WELDED FEET AND ADJUSTABLE HEADERS,INSTALLED WITHIN WALL / CHASE.

D. VERIFY LOCATION OF FLOOR DRAIN / FLOOR SINK / FLOOR CLEANOUT APPLY CORRECT APPLICATION, RECESSED FOR TILE, RECESSED FOR TERRAZZO.

E. PROVIDE TRAP PRIMER VALVE SIMILAR TO PRECISION PLUMBING PRODUCT MODEL P FOR FLOOR DRAIN AND FLOOR SINK AND CONNECT VALVE TO NEAREST ACCESSIBLE COLD WATER PIPING. VALVE MUST BE INSTALLED A MINIMUM OF 12 INCHES ABOVE FINISHED FLOOR. PROVIDE PIPING FROM VALVE TO FLOOR DRAIN / FLOOR SINK PER VALVE MANUFACTURERS INSTALLATION INSTRUCTIONS.

F. PROVIDE NATURAL GAS SOLENOID VALVE, SV-1. ELECTRICAL CONTRACTOR TO WIRE.

G. PROVIDE NEUTRALIZATION TANK BELOW SINK SIMILAR TO IPEX MODEL NEUTRATANK 5 GALLON RECTANGULAR TANK WITH LIMESTONES.

H. PROVIDE SOLIDS INTERCEPTOR SIMILAR TO J.R. SMITH 8730 WITH 1-1/2" CONNECTION SUSPENDED BENEATH ART ROOM SINK.

I. PROVIDE ONE PACKAGE OF 3-PACK REPLACEMENT FILTERS SIMILAR TO ELKAY MODEL 51300C_3PK (THREE) TO OWNER FOR FUTURE USE.

J. PLUMBING CONTRACTOR TO EXCAVATE AND PREPARE AREA, MIX AND APPLY FORM RELEASE PRODUCT, ASSEMBLE RAILS, LEGS, FORMS, CLAMPS AND PLACE COMPLETED TRENCH COMPONENTS AT REQUIRED LOCATIONS. PLUMBING CONTRACTOR TO PROVIDE CONCRETE ANCHORING SLAB WALL TO WALL AND END TO END IN BOTTOM OF EXCAVATION COVERING TRENCH DRAIN U-LEGS WITH MINIMUM OF 2 INCHES OF CONCRETE. COORDINATE FINISHED FLOOR CONCRETE POUR. PLUMBING CONTRACTOR TO REMOVE ALL FORM MATERIAL FROM TRENCH DRAINS AFTER FINISHED FLOOR CONCRETE HAS DRIED AND INSTALL ALL GRATES. ALL TRENCH DRAIN WORK SHALL BE INSTALLED PER TRENCH DRAIN MANUFACTURERS INSTALLATION INSTRUCTIONS.

PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE

NO.	TYPE	ELECTRICAL COMPONENT	VOLTS	PHASE	FULL LOAD AMPS	MINIMUM CIRCUIT AMPACITY	MAXIMUM OVER-CURRENT PROTECTION	POWER	RPM	GPM	HEAD FEET	REMARKS
WC-1, WC-2	WATER CLOSET, ADA, WALL MOUNT WATER CLOSET, WALL MOUNT	FLUSHOMETER TRANSFORMER	120 OR 240	SINGLE	50 VA	NA	NA	NA	NA	NA	NA	NOTE A, D.
LAV-1, LAV-2	LAVATORY, ADA, WALL MOUNT LAVATORY, WALL MOUNT	FAUCET TRANSFORMER	120	SINGLE	2.0	300 MA	NA	NA	NA	NA	NA	NOTE B, D.
SK-1	SINK, ADA, COUNTERTOP MOUNT	FAUCET TRANSFORMER	120	SINGLE	2.0	300 MA	NA	NA	NA	NA	NA	NOTE B, D.
WH-1	WATER HEATER, ELECTRIC	OPERATING SYSTEM	240	SINGLE	112.5	NA	150	NA	NA	NA	NA	NOTE D.
DP-1	DOMESTIC PUMP, HOT WATER RECIRCULATION	OPERATING SYSTEM	115	SINGLE	0.7	NA	NA	1/25 HP	2800	5	10	NOTE C, D, F.
EWC-1	ELECTRIC WATER COOLER, TWO STATION, ADA, WALL MOUNT	OPERATING SYSTEM	115	SINGLE	4.0	NA	NA	370 WATTS	NA	NA	NA	NOTE D, E.

NOTES:

A. PROVIDE PER MANUFACTURE, SOLENOID OPERATOR - 24V AC, 60 Hz, TRANSFORMER - SIMILAR TO SLOAN VALVE MODEL EL-154 (120 V). (ONE TRANSFORMER SERVES MAXIMUM 10 WATER CLOSETS/URINALS). TRANSFORMER INSTALLATION AND POWER BY ELECTRICAL CONTRACTOR, LOW VOLTAGE CONTROL WIRING BY PLUMBING CONTRACTOR.

B. PROVIDE TRANSFORMER - SIMILAR TO CHICAGO FAUCET MODEL 243.260.00.1 (HARD WIRED), (ONE TRANSFORMER SERVES MAXIMUM OF 8 FAUCETS). TRANSFORMER INSTALLATION AND POWER BY ELECTRICAL CONTRACTOR, LOW VOLTAGE CONTROL WIRING BY PLUMBING CONTRACTOR.

C. COORDINATE WIRING OF PUMP THRU AQUASTAT WITH ELECTRICAL CONTRACTOR.

D. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.

E. ELECTRICAL CONTRACTOR TO PROVIDE RECEPTACLE. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.

F. FURNISHING AND WIRING OF DISCONNECT BY ELECTRICAL CONTRACTOR.

FIXTURE PIPE SIZES SCHEDULE

	COLD WATER	HOT WATER	SANITARY	VENT
WC	1"		4"	2"
UR	3/4"		2"	1-1/2"
LAV	3/4"	3/4"	1-1/2"	1-1/2"
SK	3/4"	3/4"	1-1/2"	1-1/2"
SH	3/4"	3/4"	3"	2"
EWC	3/4"		1-1/2"	1-1/2"
MS	3/4"	3/4"	3"	2"
HB	3/4"			

NOTES: A. IF FIXTURE NUMBER IS NOT SPECIFICALLY STATED, PIPE SIZES PERTAIN TO ALL LISTINGS OF FIXTURE TYPE.

DRAWN BY: KMM
CHECKED BY: ENS
DATE: 10/14/2025
PHASE: CD

#	DATE:	DESCRIPTION OF REVISION:
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"IT IS A VIOLATION OF THE LAW FOR ANY PERSON, TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR LAND SURVEYOR'S SEAL."

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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC220313464-1

PLUMBING SCHEDULES

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

P2.1

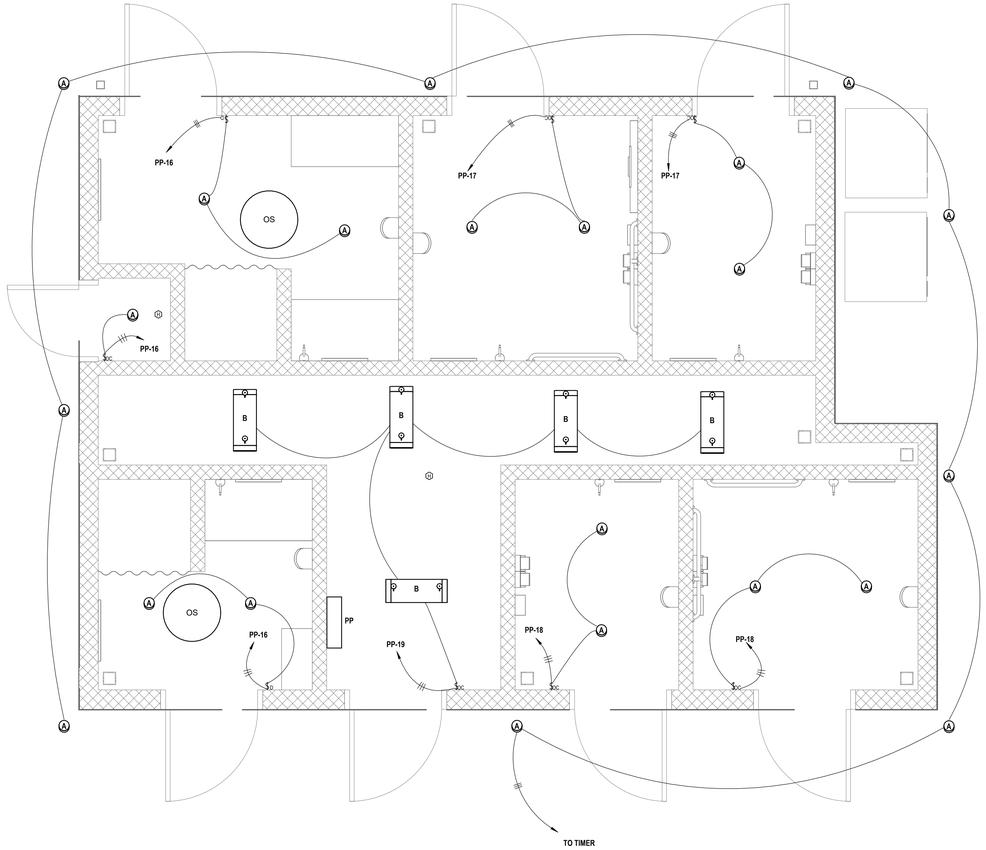
PROJECT NO: 1544-010

GENERAL NOTES - ELECTRICAL

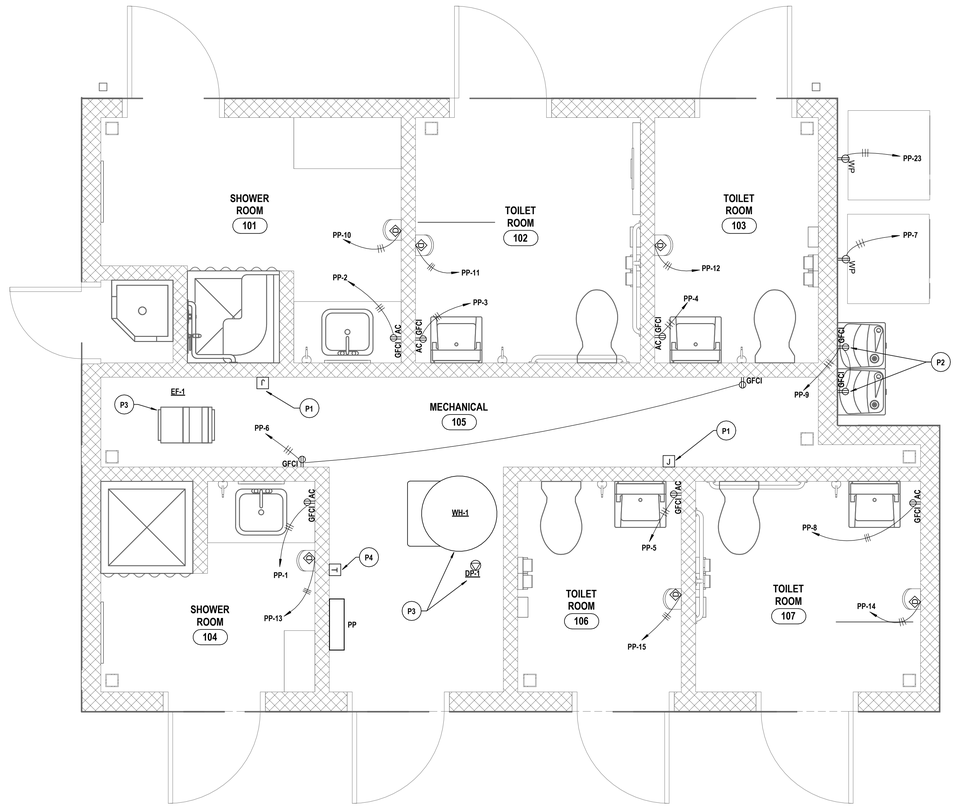
A	CONTRACTOR IS RESPONSIBLE FOR ALL WORK ON THIS DRAWING UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
B	CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND INSTALLATION AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS AND CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
C	CONTRACTOR IS RESPONSIBLE FOR ALL NEW WALL OPENINGS, EXCAVATIONS, AND PENETRATIONS, UNLESS SPECIFICALLY NOTED. UPON COMPLETION, ALL PENETRATIONS TO BE SEALED TO MAINTAIN FIRE RATING AS SPECIFIED ON ARCHITECTURAL DRAWINGS.
D	CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
E	MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
F	MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THHN/THWN UNLESS OTHERWISE NOTED.
G	ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANSI/TIA/EIA STANDARDS.
H	DURING DEMOLITION OF EXISTING CABLING, ANY DAMAGE TO FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF AND WILL BE REPAIRED BY THE CONTRACTOR.
I	CONTRACTOR SHALL BE AWARE OF THE PRESENCE OF EXISTING ASBESTOS CONTAINING MATERIAL SCHEDULED TO REMAIN IN PLACE WITHIN THE PROJECT SCOPE. ANY WORK REQUIRED THAT HAS THE POTENTIAL TO DISTURB HAZARDOUS MATERIALS SHALL BE COORDINATED DIRECTLY WITH THE OWNER.
J	ALL ELECTRICAL DEVICES, MATERIALS, AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
K	NEW CIRCUIT BREAKER(S) THAT ARE TO BE ADDED TO EXISTING PANELBOARD(S) SHALL BE LISTED/LABELED FOR USE WITH THE EXISTING PANELBOARD(S).
L	THE SHORT-CIRCUIT RATINGS OF ALL PROTECTIVE DEVICES SHALL BE EQUAL TO OR EXCEED THE AVAILABLE SHORT-CIRCUIT CURRENT.
M	ALL WORK TO CONFORM TO CURRENT NEC AND ALL APPLICABLE CODES.
N	CONTRACTOR TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
O	ALL ELECTRICAL DEVICES AND EQUIPMENT SCHEDULED FOR REMOVAL ARE CONSIDERED PROPERTY OF THE OWNER. ELECTRICAL DEVICES AND EQUIPMENT SHALL BE PLACED IN AN AREA DESIGNATED BY THE OWNER. ANY DEVICE OR EQUIPMENT THE OWNER WISHES NOT TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR.
P	CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT SCHEDULED TO BE REMOVED OR REPLACED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
Q	CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER TO ANY EQUIPMENT SCHEDULED TO BE NEWLY INSTALLED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
R	CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONDUIT LOCATIONS IN FIREWALLS. A MAXIMUM OF ONE PIECE OF CONDUIT IS ALLOWED IN A NON-REINFORCED CORE. NO CONDUIT SHALL BE PLACED IN A VERTICALLY REINFORCED CORE IN A FIREWALL.
S	ALL NEW ELECTRICAL DEVICES SUCH AS, BUT NOT LIMITED TO, FIRE ALARM DEVICES, SMOKE DETECTORS, LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY/VACANCY SENSORS, AND NON-KEYED SWITCHES ARE REQUIRED TO HAVE IMPACT PROTECTION THROUGH MEANS OF IMPACT RESISTANT COVERS, OR WIRE GUARDS IN LOCKER ROOMS, GYMNASIUMS, WEIGHT ROOMS, FITNESS CENTERS, WRESTLING ROOMS, AND CAFETERIAS.

CONSTRUCTION NOTES - POWER

P1	PROVIDE 120V TO 4X4 JUNCTION BOX IN THIS LOCATION TO SERVE POWERED WATER CLOSETS, URINALS, AND LAVATORIES FOR THIS SET OF BATHROOMS.
P2	PLACE OUTLET WITHIN THE EXTENTS OF THE SHROUD OF THE DRINKING FOUNTAIN.
P3	PROVIDE POWER TO MECHANICAL EQUIPMENT. REFER TO MECHANICAL SCHEDULE.
P4	TIMER FOR EXTERIOR LIGHTS. CIRCUIT TO SPACE 21 IN PANEL PP USING (2)-#12, (1)-#12G, IN 3/4"C.



2 FIRST FLOOR LIGHTING PLAN
1/2" = 1'-0"



1 FIRST FLOOR POWER PLAN
1/2" = 1'-0"

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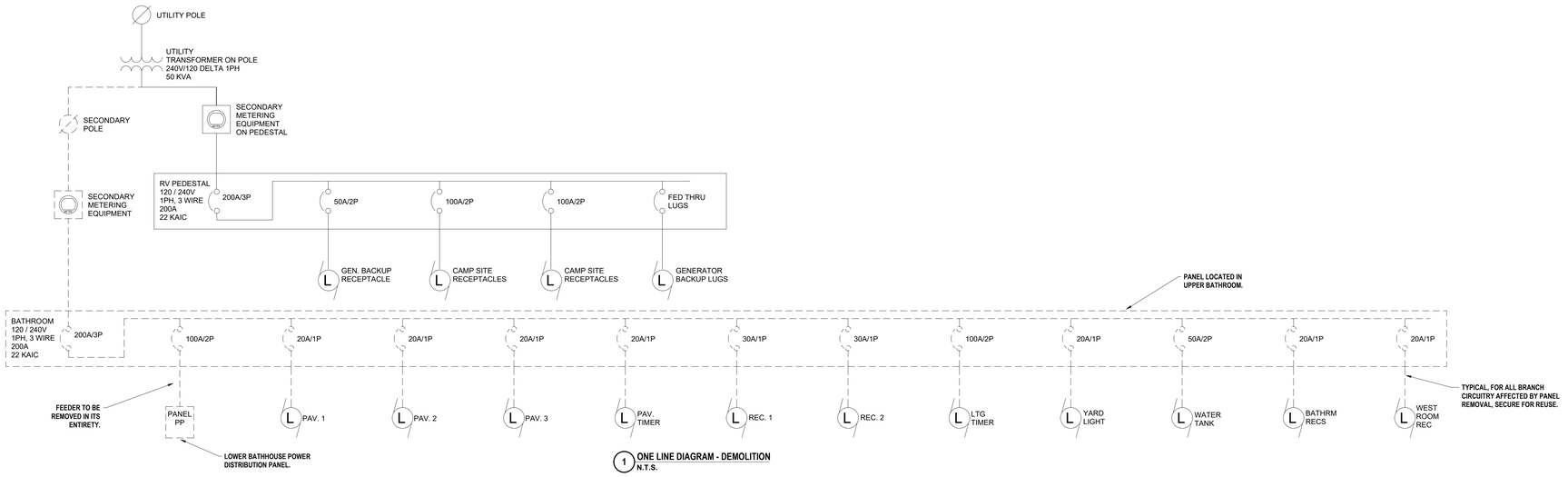
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22023134641

FIRST FLOOR POWER & LIGHTING PLAN
HAVANA GLEN PARK IMPROVEMENTS EPF237411
TOWN OF MONTOUR
35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

E1.1

PROJECT NO: 1544-010



1 **ONE LINE DIAGRAM - DEMOLITION**
N.T.S.

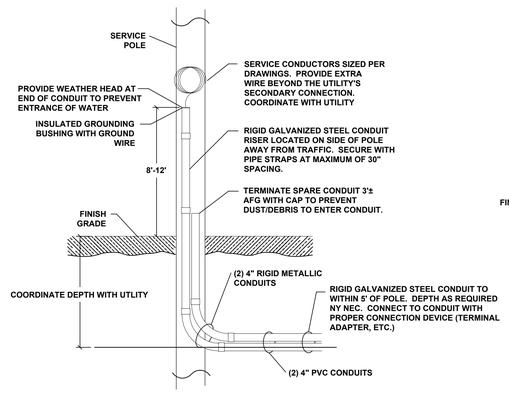
FEEDER SCHEDULE

NAME ◇	DESCRIPTION	MAX. AMPERAGE ASSUMES NO VOLTAGE DROP
F1	(4-SETS) 4- #600, 4"C.	1600 *
F2	(3-SETS) 4- #600, 4"C.	1200 *
F3	(2-SETS) 4- #600, 1-#1/0G, 3 1/2"C.	800
F4	3- #600, 1-#1/0G, 4"C.	400 *
F5	3- #600, 1-#3G, 4"C.	400
F6	(2-SETS) 3-#3/0, 1-#2G, 3 1/2"C	225 **
F7	4-#3/0, 1-#6G, 2 1/2"C	200
F8	4-#2/0, 1-#6G, 2"C	175
F9	4-#1/0, 1-#6G, 2"C	150
F10	4-#1/0, 1-#6G, 2"C	125
F11	4-#1, 1-#8G, 1 1/2"C	100
F12	4-#4, 1-#10G, 1 1/4"C	60

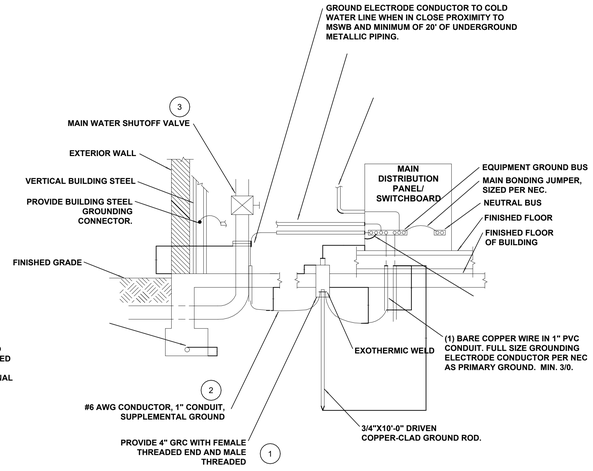
* SERVICE ENTRANCE FEEDER WITH NO GROUND. REFER TO GROUND GRID DETAIL.

* EQUIPMENT GROUNDING SHOWN IN SCHEDULE. GROUNDING JUMPER TO MEET OR EXCEED BASED ON NEC.

** SIZED FOR 400FT OF VOLTAGE DROP.



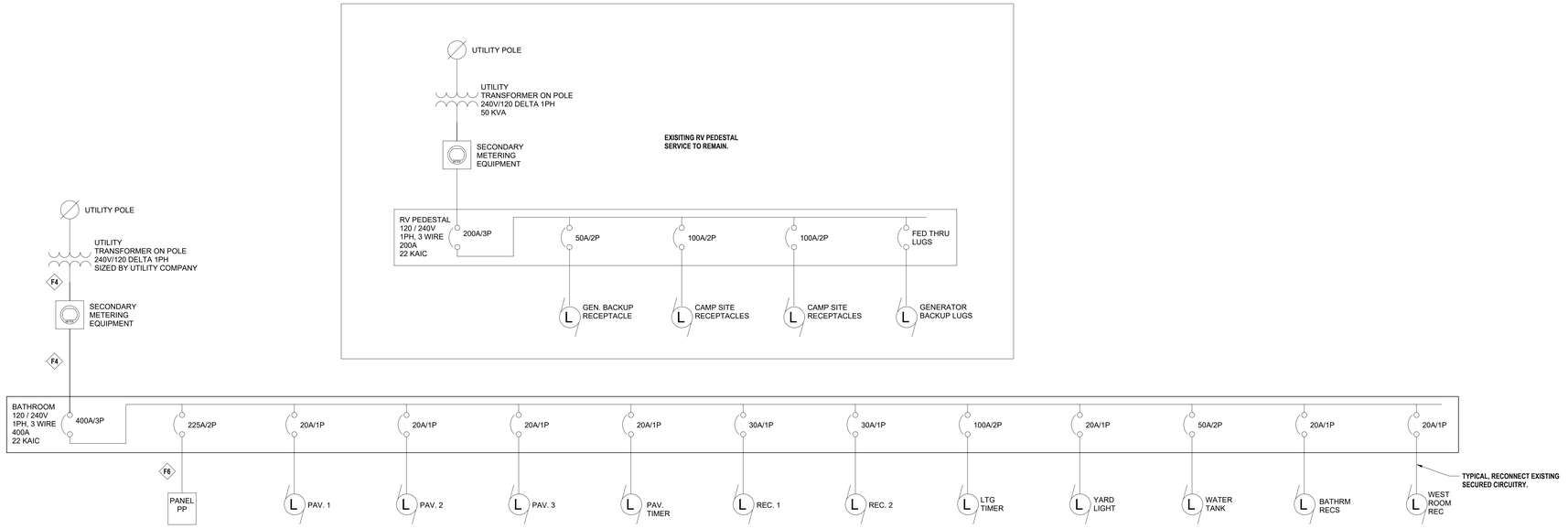
3 **UTILITY POLE DETAIL**
N.T.S.



DETAIL NOTES

1. GROUNDING ELECTRODE SYSTEM INSTALLATION SHALL BE IN STRICT COMPLIANCE OF LOCAL CODES AND AUTHORITY HAVING JURISDICTION.
2. THIS SUPPLEMENTAL GROUND ONLY OCCURS WHERE COLD WATER LINE IS IN CLOSE PROXIMITY TO MSWB AND COLD WATER LINE IS USED AS MAIN GROUND ELECTRODE.
3. WHERE COLD WATER LINE ENTERS BUILDING AT FRONT, BOND COLD WATER LINE TO BUILDING STRUCTURAL STEEL.

4 **GROUNDING ELECTRODE SYSTEM DETAIL**
N.T.S.



2 **ONE LINE DIAGRAM - NEW WORK**
N.T.S.

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ONE-LINE DIAGRAM

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

35 HAVANA GLEN ROAD MONTOUR FALLS, NY 14865

E2.1

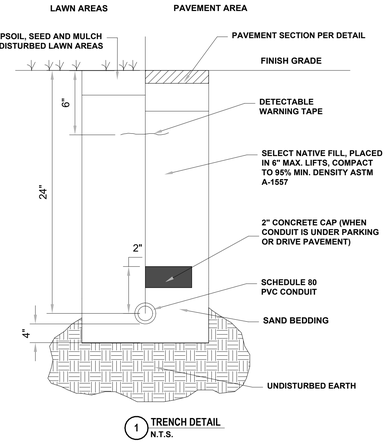
PROJECT NO: 1544-010

MECHANICAL EQUIPMENT CONNECTION AND CONTROL SCHEDULE

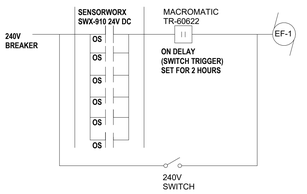
EQUIPMENT						SUPPLY				CONTROL DEVICES MOUNTED IN ROOMS AS SCHEDULED AND AS SHOWN ON PLANS (AU = AT UNIT)																
IDENTIFICATION / TAG	DESCRIPTION	LOCATION (ROOM #)	HORSEPOWER / KILOWATTS / FLA / MCA	PHASE	VOLTAGE	PANEL OR CONTROL CENTER	CIRCUIT BREAKER	WIRE SIZE	REFERENCE NOTES	DISCONNECT SWITCH (FURNISHED & INSTALLED BY E.C.)	DISCONNECT SWITCH (FURNISHED BY H.C. & INSTALLED BY E.C.)	PRE-WIRED/FACTORY MOUNTED DISCONNECT SWITCH (BY MNFTR.)	MANUAL MOTOR STARTER (FURNISHED & INSTALLED BY E.C.)	MAGNETIC STARTER (FURNISHED & INSTALLED BY E.C.)	COMBINATION STARTER (FURNISHED & INSTALLED BY E.C.)	VARIABLE SPEED DRIVE (FURNISHED & INSTALLED BY E.C.)	VFD PACKAGE (FURNISHED & INSTALLED BY H.C. CONNECTED BY E.C.)	VFD WITH CHOKE (FURNISHED BY H.C.& INSTALLED BY E.C.)	PACKAGED CONTROL UNIT	SINGLE POINT CONNECTION	FAN SHUTDOWN UPON FACP ACTIVATION (X>1000CFM)	DUCT SMOKE DETECTOR IN RETURN DUCT (X>2000CFM)	BOILER SHUTDOWN SAFETY SWITCH	LINE VOLTAGE THERMOSTAT (FURNISHED BY H.C. & INSTALLED BY E.C.)	FACTORY MOUNTED STARTER & DISCONNECT (BY MFR.)	CONNECT AQUASTAT	PROVIDE 20AMP, 120V, GFCI RECEPTACLE IN WEATHERPROOF ENCLOSURE AT UNIT.
WH-1	WATER HEATER	MECH 105	140A MCA	1	240	PP	150/2	(2)-#1/0 , (1)-#6 G IN 1 1/4"C		X																
EF-1	EXHAUST FAN	MECH 105	1/3 HP	1	115	PP	15/1	(2)-#12 , (1)-#12 G IN 3/4"C				X														
DP-1	DOMESTIC WATER PUMP	MECH 105	0.7 FLA	1	115	PP	15/1	(2)-#12 , (1)-#12 G IN 3/4"C		X															X	

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	SIZE	MOUNTING	VOLTAGE	LUMENS	LED COLOR TEMP	LOAD EA. (WATTS)	MANUFACTURER/CATALOG NO.	FINISH	REMARKS	NOTES
A	ROUND ADJUSTABLE DOWNLIGHT	4 IN	RECESSED	120V	3000	3500	34.8	3G LIGHTING / 3G-DL45RA-30-H95-35K-60D-120-DIM-BT-BI-NCF	BLACK	-	-
B	LINEAR PENDANT	2 IN	PENDANT	120V	2700	3500	26	DAYBRITE CFI / V2WPE27L835-2-UNV-MD360W-TBK-FKR-126	WHITE	-	-



1 TRENCH DETAIL
N.T.S.



2 EF-1 CONTROLS
N.T.S.

Branch Panel: PP

Location: BATHHOUSE MECH. 105
Supply From: BATHROOM
Mounting: Surface
Enclosure: Type 1

Volts: 120/240V
Phases: 1
Wires: 3

A.I.C. Rating: 22 KAIC
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	RECEPTACLE 104	20 A	1				1	20 A	RECEPTACLE 101	2
3	RECEPTACLE 102	20 A	1				1	20 A	RECEPTACLE 103	4
5	RECEPTACLE 106	20 A	1				1	20 A	RECEPTACLE 105	6
7	DRINK VENDING MACHINE RECEPTACLE	20 A	1				1	20 A	RECEPTACLE 107	8
9	WATER FOUNTAIN RECEPTACLES	20 A	1				1	20 A	HAND DRYER 101	10
11	HAND DRYER 102	20 A	1				1	20 A	HAND DRYER 103	12
13	HAND DRYER 104	20 A	1				1	20 A	HAND DRYER 107	14
15	HAND DRYER 106	20 A	1				1	20 A	LIGHTS 101 104	16
17	LIGHTS 102 103	20 A	1				1	20 A	LIGHTS 106 107	18
19	LIGHTS 105	20 A	1				2	125 A	WATER HEATER	20
21	TIMER FOR EXTERIOR LIGHTS	20 A	1				--	--	--	22
23	SNACK VENDING MACHINE RECEPTACLE	20 A	1				1	15 A	EXHAUST FAN	24
25	HEAT DETECTORS	20 A	1				1	20 A	SPARE	26
27	SPARE	20 A	1				1	20 A	SPARE	28
29	SPARE	20 A	1				1	20 A	SPARE	30
31	SPARE	20 A	1				1	20 A	SPARE	32
33	SPARE	20 A	1				1	20 A	SPARE	34
35	SPARE	20 A	1				1	20 A	SPARE	36
37	SPARE	20 A	1				1	20 A	SPARE	38
39	SPARE	20 A	1				1	20 A	SPARE	40
41	SPARE	20 A	1				1	20 A	SPARE	42

Notes:

DRAWN BY:	MDK
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SCHEDULES AND DETAILS

HAVANA GLEN PARK IMPROVEMENTS EPF237411

TOWN OF MONTOUR

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E2.2

PROJECT NO: 1544-010