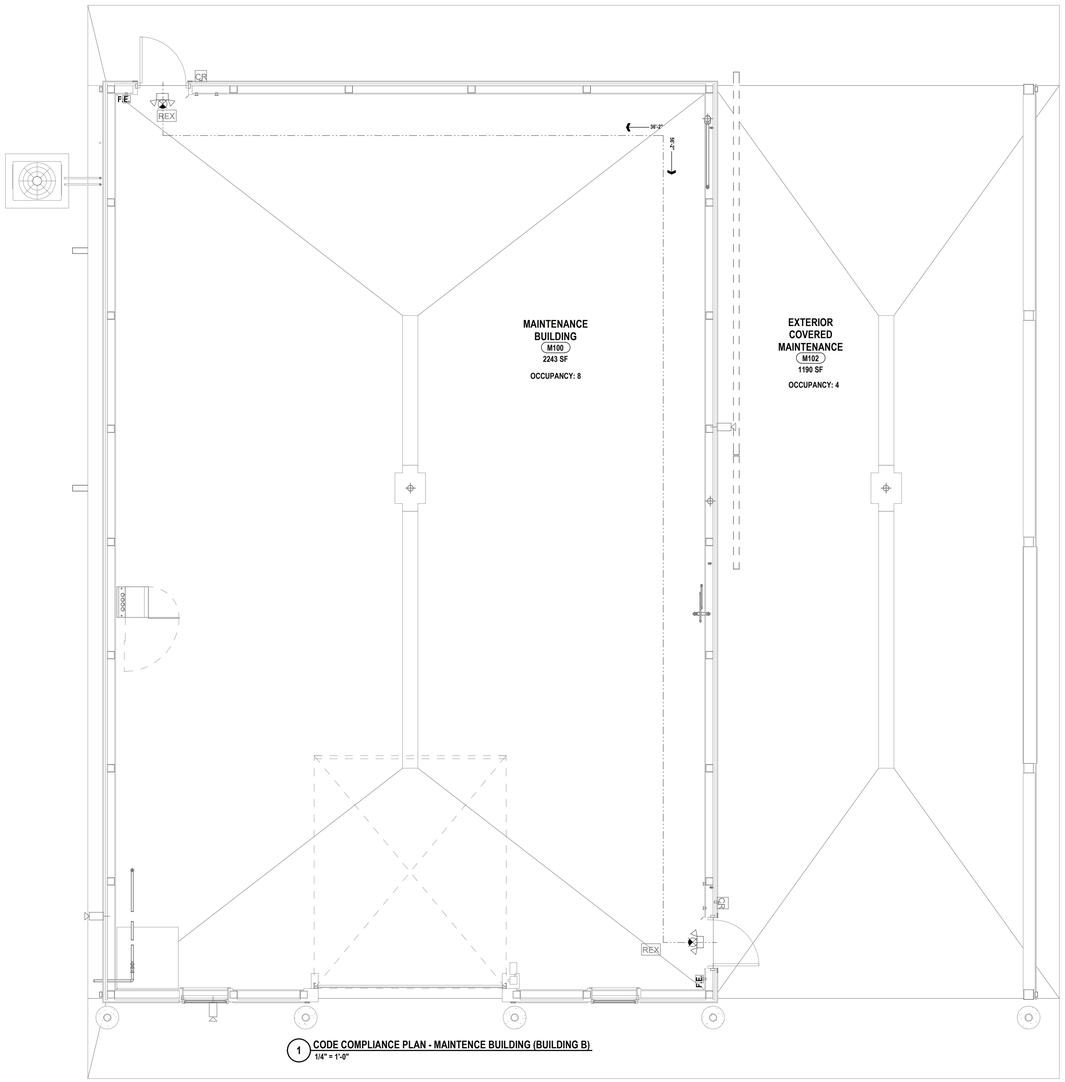


1 CODE COMPLIANCE PLAN - MAINTENCE BUILDING (BUILDING B)
1/4" = 1'-0"

BUILDING B INFORMATION

MAINTENANCE STORAGE BUILDING SED#:	66-08-02-04-2-006-001
GENERAL BUILDING INFORMATION:	PROPOSED MAINTENANCE BUILDING - PRE ENGINEERED WOOD BUILDING
ORIGINAL YEAR BUILT:	2022
NEW CONSTRUCTION TYPE:	V-B
OCCUPANY CLASSIFICATION (INTERIOR AND EXTERIOR):	STORAGE - S-1
NUMBER OF STORIES:	ALLOWABLE: 1 / ACTUAL: 1
NUMBER OF SIDES ACCESSIBLE:	3
SPRINKLED:	NON-SPRINKLED
BUILDING AREA:	
ALLOWABLE BUILDING AREA:	9,000 SF
ACTUAL BUILDING AREA:	3,418 SF
BUILDING PERIMETER:	120' - 8"
BUILDING FRONTAGE:	40' - 2 1/2"
BUILDING HEIGHT:	
ALLOWABLE BUILDING HEIGHT:	S - 40 FEET
ACTUAL BUILDING HEIGHT:	25 FEET AND 2 INCHES

SQUARE FOOTAGE & OCCUPANT LOAD

MAINTENANCE BUILDING AREA:	2,228 SF
EXTERIOR COVERED MAINTENANCE AREA:	1,190 SF
GROSS SQ. FT. OF INTERIOR AND EXTERIOR STRUCTURE:	3,418 SF (ONE FIRE AREA)
OCCUPANT LOAD INTERIOR:	2,228 SF / 300 GROSS = 8 PERSONS
OCCUPANT LOAD EXTERIOR:	1,190 SF / 300 GROSS = 4 PERSONS
TOTAL OCCUPANT LOAD:	12 PERSONS

BUILDING FIRE RESISTANCE REQUIREMENTS: 2020 BUILDING CODE OF NEW YORK STATE

PRIMARY STRUCTURAL FRAME:	0 HR.
EXTERIOR BEARING WALLS:	0 HR.
INTERIOR BEARING WALLS:	0 HR.
NON BEARING EXTERIOR WALLS AND PARTITIONS:	0 HR.
NON BEARING INTERIOR WALLS AND PARTITIONS:	0 HR.
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS:	0 HR.
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS:	0 HR.

BUILDING TRAVEL DISTANCE

GROUND FLOOR CORRIDOR TRAVEL DISTANCE:	N/A
MAXIMUM ALLOWABLE TRAVEL DISTANCE:	200' MAX.
MAXIMUM ACTUAL TRAVEL DISTANCE:	SEE PLAN(S)

ENERGY CONSERVATION CONSTRUCTION INFORMATION:

(APPLIES TO NEW CONSTRUCTION)
CLIMATE ZONE: 4

BUILDING ENVELOPE REQUIREMENTS; OPAQUE:

ROOF

ATTIC AND OTHER REQUIRED:	R-38
PROVIDED:	R-40ci

WALLS, ABOVE GRADE

WOOD FRAMED AND OTHER REQUIRED:	R-13 + R-3.8ci OR R-20
PROVIDED:	R-20

SLAB-ON-GRADE FLOORS

UNHEATED SLABS REQUIRED:	R-10 FOR 24" BELOW
PROVIDED:	R-10 FOR 24" BELOW

FENESTRATION

OPERABLE FENESTRATION:	U-0.45
FIXED FENESTRATION:	U-0.38
ENTRANCE DOORS:	U-0.77
OVERHEAD DOORS:	<14% GLAZING MAX U-0.37
SWINGING DOORS:	MAX U-0.37

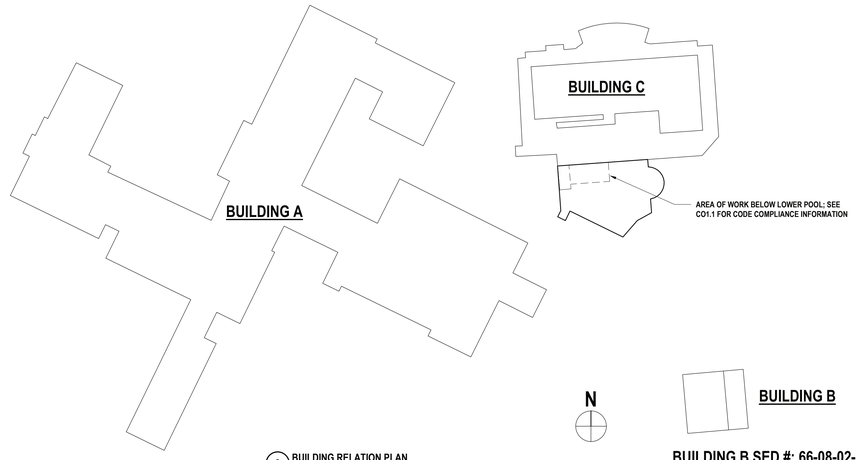
APPLICABLE BULDING CODES

2020 BUILDING CODE OF NEW YORK STATE
2020 FIRE CODE OF NEW YORK STATE
2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
2020 MECHANICAL CODE OF NEW YORK STATE
2020 PLUMBING CODE OF NEW YORK STATE
2020 FUEL GAS CODE OF NEW YORK STATE
NATIONAL ELECTRIC CODE AS ADOPTED BY THE STATE OF NEW YORK
ADA: ICC A117.1-2009

GRAPHIC KEY - CODE COMPLIANCE

- EMERGENCY LIGHTING
- ILLUMINATED EXIT SIGN
- HANDICAP ACCESSIBLE
- F.E. — FIRE EXTINGUISHER
- PATH OF EGRESS
- 67' — EXIT ACCESS TRAVEL DISTANCE. DENOTES THE MAXIMUM DISTANCE TRAVELED TO A BUILDING EXIT.

BUILDING A & C SED #: 66-08-02-04-0-001-039



2 BUILDING RELATION PLAN
1/64" = 1'-0"

BUILDING B SED #: 66-08-02-04-2-006-001

DRAWN BY:	JJH
CHECKED BY:	KES/MWJ
DATE:	10/12/2022
SCALE:	As indicated

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#	DATE:	DESCRIPTION OF REVISION:
1	11/14/2022	ISSUED FOR BID

BY:

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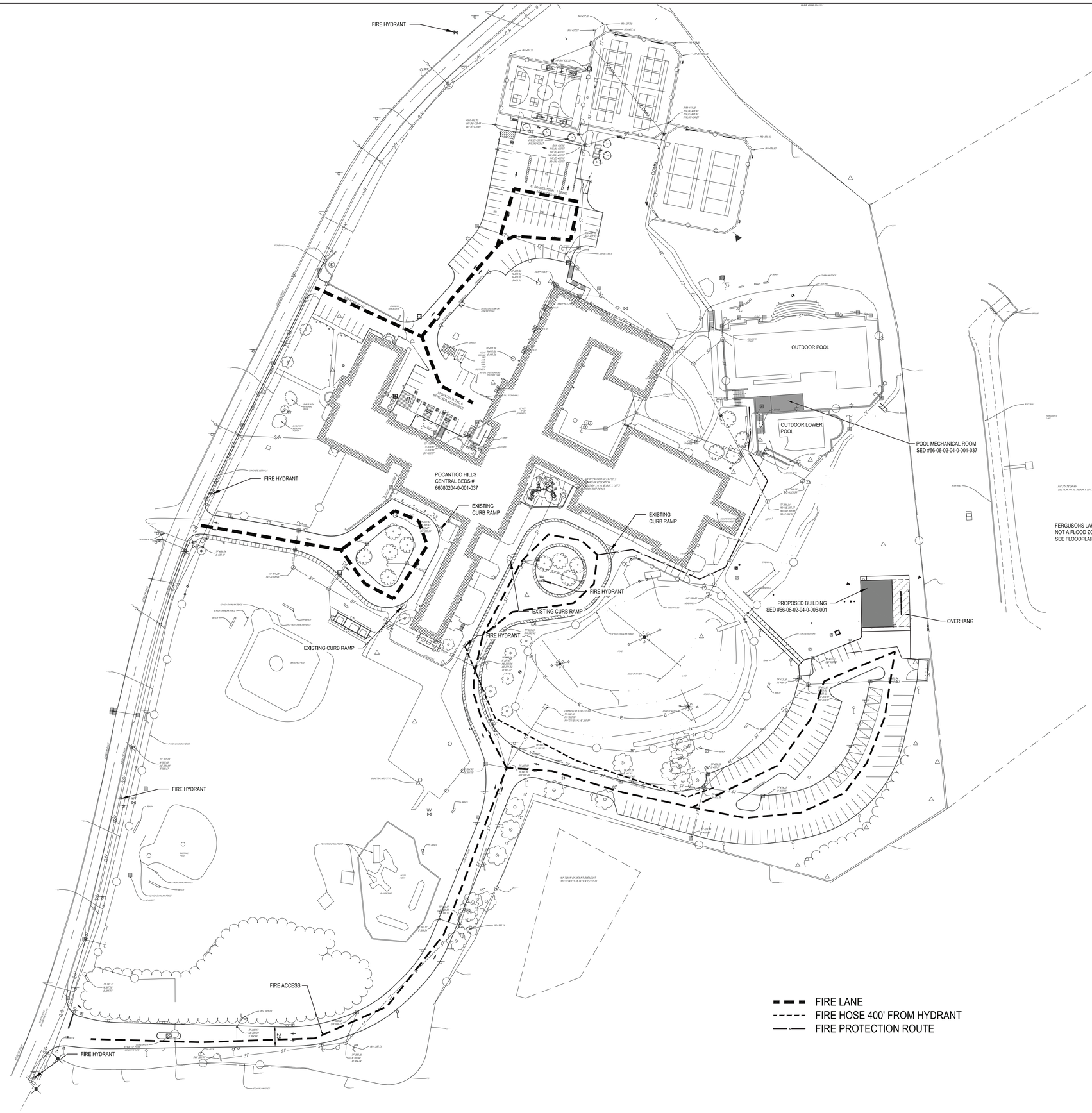
ISSUED FOR BID; CENTRAL SCHOOL SED # : 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-2-006-001

CODE COMPLIANCE PLAN - STORAGE BUILDING

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-CO1.2

PROJECT NO: 3288.004



1 SITE CODE COMPLIANCE PLAN
SCALE: 1" = 50'

SCALE IN FEET
0 25 50 100 150
SCALE: 1" = 50'

DRAWN BY:	BMW
CHECKED BY:	LG
DATE:	10/12/2022
SCALE:	AS SHOWN

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/22	ISSUED FOR BID	

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SITE CODE COMPLIANCE PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

CENTRAL SCHOOL SED # 66-08-02-04-0-001-039; MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-2-006-001

MS-CO1.3

PROJECT NO: 3288.004

1 EXISTING CONDITIONS PLAN
SCALE: 1" = 10'

CENTRAL SCHOOL SED # : 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-2-006-001

PROJECT NO: 3288.004

MS-L0.1

EXISTING CONDITIONS PLAN

PHASE 1A - CAPITAL IMPROVEMENTS

POCANTICO HILLS CSD

599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

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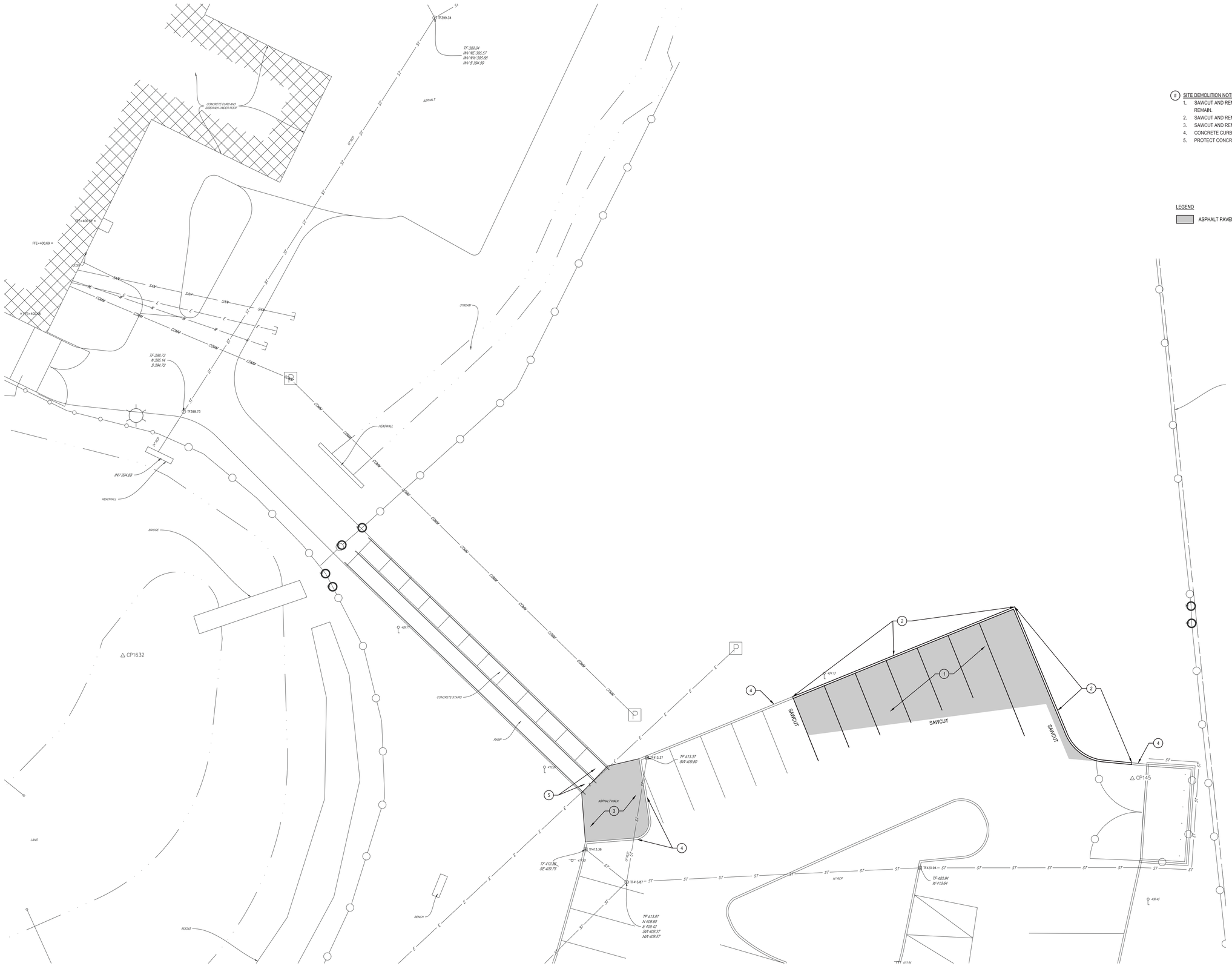
SCALE: AS SHOWN
DATE: 10/12/2022
CHECKED BY: LG
DRAWN BY: BMW



1 SITE DEMOLITION PLAN
SCALE: 1" = 10'

SCALE IN FEET
0 5 10 20 30
SCALE: 1" = 10'

SITE DEMOLITION NOTES

1. SAWCUT AND REMOVE ASPHALT PAVEMENT TO LIMITS SHOWN. EXISTING SUBBASE TO REMAIN.
2. SAWCUT AND REMOVE CONCRETE CURB.
3. SAWCUT AND REMOVE ASPHALT PAVEMENT AND SUBBASE.
4. CONCRETE CURB TO REMAIN.
5. PROTECT CONCRETE STAIRS, RAMP, AND RAILING.

LEGEND

ASPHALT PAVEMENT REMOVAL

DRAWN BY:	BMW
CHECKED BY:	LG
DATE:	10/12/2022
SCALE:	AS SHOWN

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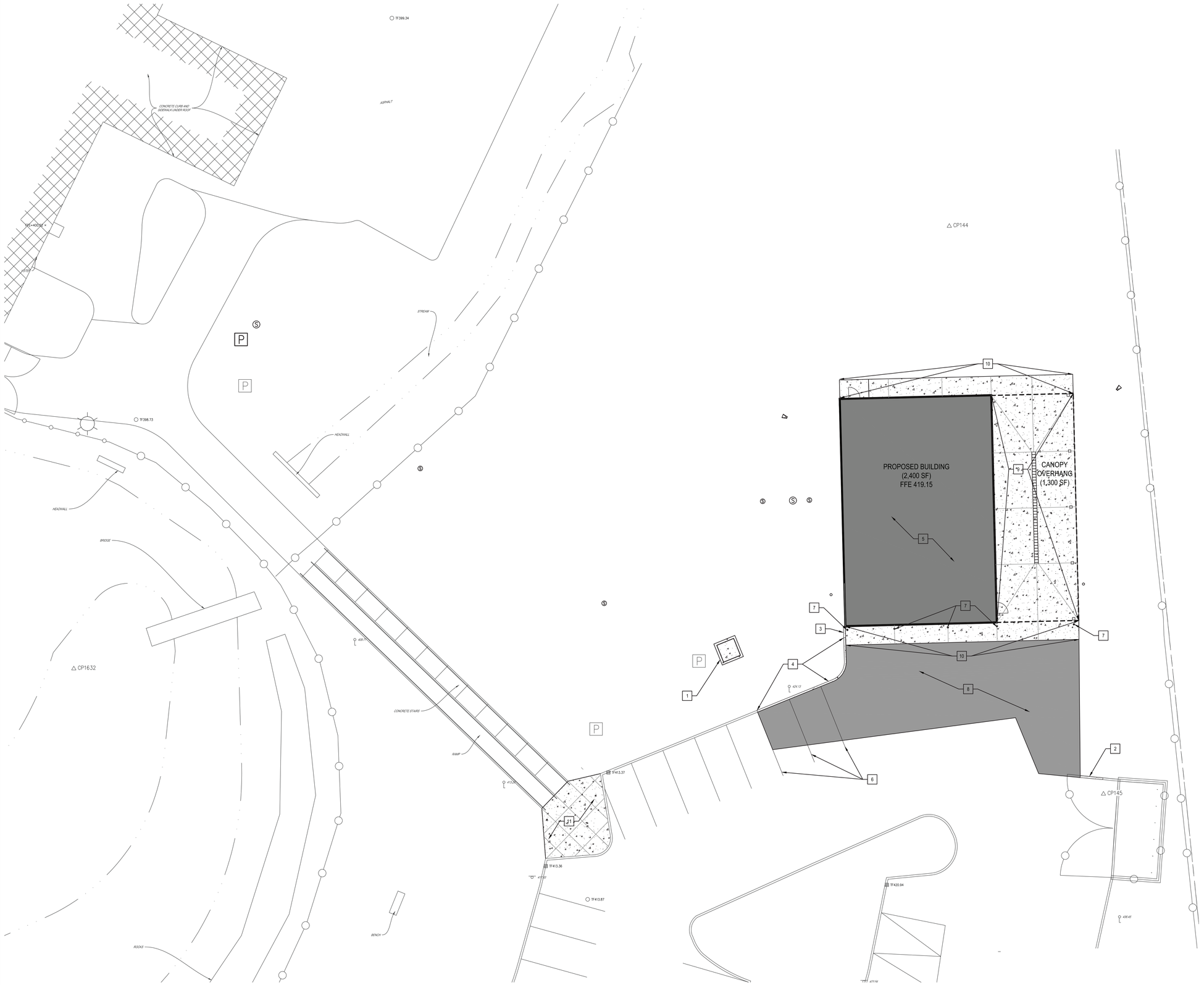
CENTRAL SCHOOL SED # 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-2-006-001

SITE DEMOLITION PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

MS-L1.1

PROJECT NO: 3288.004



GENERAL SITE IMPROVEMENT NOTES

1. TOPSOIL, SEED, AND MULCH ALL DISTURBED LAWN AREAS.

[#] SITE IMPROVEMENT NOTES

1. PROVIDE CONCRETE PAD AND SUBBASE. SEE DETAIL 2/MS-L6.1.
2. PROVIDE 6' LONG CONCRETE CURB TRANSITION. MATCH TO EXISTING CURB AND PROPOSED GRADE. SEE DETAIL 5/MS-L6.1.
3. PROVIDE 3' LONG CONCRETE CURB TRANSITION. SEE DETAIL 5/MS-L6.1.
4. PROVIDE CONCRETE CURB, MATCH TO EXISTING CURB, SEE DETAIL 14/MS-L6.1.
5. NEW BARN BUILDING WITH CANOPY OVERHANG, SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS. FOR AT GRADE IMPROVEMENTS WITHIN OVERHANG SEE STRUCTURAL AND PLUMBING DRAWINGS.
6. PROVIDE PAVEMENT STRIPING. SEE DETAIL 4/MS-L6.1.
7. PROVIDE FIVE (5) 6" STEEL BOLLARDS (TYP.). SEE DETAIL 6/MS-L6.1.
8. ALTERNATE #4: PROVIDE HEAVY DUTY ASPHALT PAVEMENT AND SUBBASE. SEE DETAIL 3A/MS-L6.1.
   BASE BID: PROVIDE GRAVEL OVER SUBBASE. SEE DETAIL 3/MS-L6.1.
9. ALTERNATE #3: PROVIDE CONCRETE SLAB UNDER CANOPY. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND DETAIL 1A/MS-L6.1
   BASE BID: PROVIDE SUBBASE ONLY WITH GRAVEL RAMPS TO PROPOSED GRADE AT EDGES. SEE ARCHITECTURAL DRAWINGS AND DETAIL 1/MS-L6.1.
10. ALTERNATE #4: PROVIDE HEAVY DUTY CONCRETE APRON. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND DETAIL 1A/MS-L6.1.
    BASE BID: PROVIDE GRAVEL OVER SUBBASE. SEE DETAIL 1/MS-L6.1.
11. ALTERNATE #4: PROVIDE 5" THICK FIBER REINFORCED CONCRETE SIDEWALK. PROTECT EXISTING CURB TO REMAIN. SEE DETAIL 13/MS-L6.1.

LEGEND

- CONCRETE, SEE NOTES
- ASPHALT, SEE NOTES

1 SITE IMPROVEMENT PLAN
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 30
SCALE: 1" = 10'

DRAWN BY:	BMW
CHECKED BY:	LG
DATE:	10/12/2022
SCALE:	AS SHOWN

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/22	ISSUED FOR BID	

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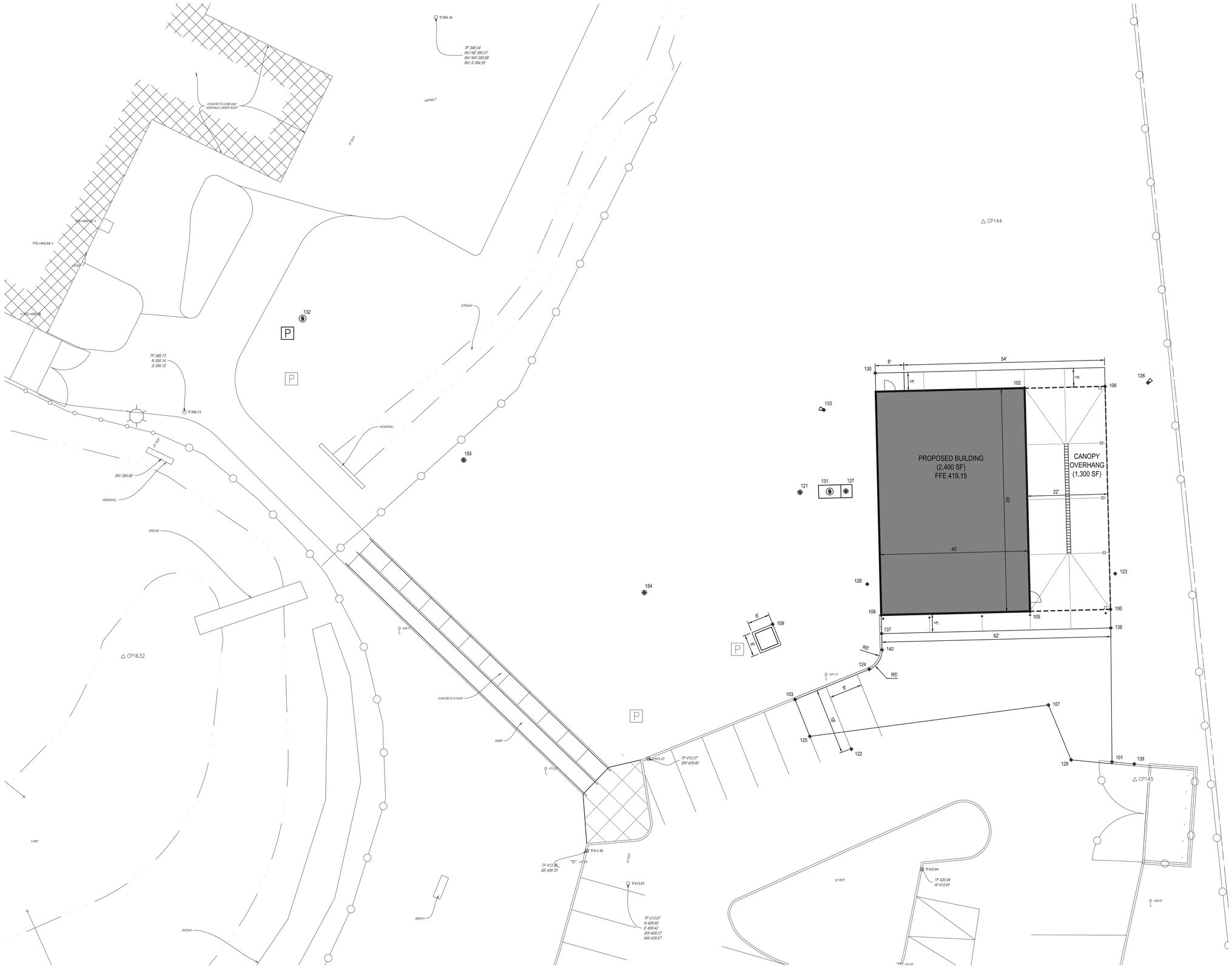
CENTRAL SCHOOL SED # 66-08-02-04-0-001-039; MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-006-001

SITE IMPROVEMENT PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

MS-L2.1

PROJECT NO: 3288.004



POINT TABLE			
POINT NO.	NORTHING	EASTING	DESCRIPTION
100	825872.66	677456.61	OVERHANG
101	825831.68	677457.01	CURB
102	825932.11	677433.49	BLDG
103	825848.45	677371.81	CURB
105	825872.12	677434.96	BLDG
106	825932.58	677455.14	OVERHANG
107	825846.97	677439.92	EP
108	825871.14	677394.98	BLDG
109	825868.68	677365.79	CONC PAD
121	825904.11	677373.15	SAN MH
122	825835.13	677386.94	STRIPE
123	825882.26	677457.86	ST CLEANOUT
124	825856.55	677391.77	CURB
125	825838.54	677375.79	EP
126	825933.52	677466.65	FES
127	825904.41	677385.48	GRIT CHAMBER MH
128	825879.43	677391.21	ST CLEANOUT
129	825832.22	677446.02	EP
130	825936.12	677393.38	CONC PAD
131	825904.30	677381.14	OWS UNIT
132	825950.79	677239.46	PUMP STATION
133	825926.21	677379.57	FES
137	825866.14	677395.10	CONC
138	825867.66	677456.66	CONC
139	825831.12	677462.98	CURB
140	825861.78	677395.20	CURB
154	825877.17	677331.30	SAN MH
155	825912.77	677282.75	SAN MH

1 SITE LAYOUT PLAN
SCALE: 1" = 10'

DRAWN BY: BMW
CHECKED BY: LG
DATE: 10/12/2022
SCALE: AS SHOWN
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CENTRAL SCHOOL SED # 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-2-005-001

SITE LAYOUT PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

MS-L3.1

PROJECT NO: 3288.004

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

1. EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES AND PRACTICES, UTILIZED IN THE CONSTRUCTION OF THE PROJECT, SHALL BE CONSISTENT WITH THE LATEST EDITIONS OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES (SILT SOCK AND OTHER ACCEPTABLE IMPLEMENTED FACILITIES) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL COMPLETE SITE STABILIZATION.
3. HEAVY CONSTRUCTION EQUIPMENT SHALL BE KEPT AS CLOSE TO THE WORK AREA AS PRACTICED TO MINIMIZE DISTURBANCE OF SOIL ALREADY STABILIZED OR UNDISTURBED.
4. 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.
5. ALL 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.
6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN 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.
7. 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.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL AREAS HAVE BEEN PERMANENTLY STABILIZED.

II. 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 (SEE 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.

III. MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT POLLUTION CONTROL 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. ANY TEMPORARY EROSION CONTROL FACILITY SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED WITHIN THE RESPECTIVE TRIBUTARY DRAINAGE AREA.
3. ANY DEBRIS ACCUMULATED IN EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND PROPERLY DISPOSED. 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 SOCK - 1/2 HEIGHT

NOTE: DISTURBED AREAS SHALL BE CONSIDERED AS PERMANENTLY STABILIZED WHEN A MINIMUM COVER OF 80% HAS BEEN ESTABLISHED.

IV. MATERIALS HANDLING AND SPILL PREVENTION

THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL REGULATIONS PERTAINING TO MATERIAL HANDLING, SPILL PREVENTION AND SPILL CLEANUP. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCIES WHEN A SPILL OCCURS. THE FOLLOWING ARE RECOMMENDED GUIDELINES FOR THE CONTRACTOR AND SHALL NOT REPLACE GOVERNMENTAL REGULATIONS:

CONCRETE WASHOUT STRUCTURE: CONCRETE WASHOUT STRUCTURES ARE USED TO CONTAIN CONCRETE AND LIQUIDS WHEN THE CHUTES OF CONCRETE MIXERS AND HOPPERS OF CONCRETE PUMPS ARE RINSED OUT AFTER DELIVERY. THE WASHOUT FACILITIES CAN BE CONSTRUCTED OR READY-MADE. ALL WASHOUT FACILITIES CONSOLIDATE SOLIDS FOR EASIER DISPOSAL AND PREVENT RUNOFF OF LIQUIDS. THE WASH WATER IS ALKALINE AND CONTAINS HIGH LEVELS OF CHROMIUM, WHICH CAN LEACH INTO THE GROUND AND CONTAMINATE GROUNDWATER. IT CAN ALSO MIGRATE TO A STORM DRAIN, WHICH CAN INCREASE THE PH OF NEARBY WATERWAYS AND HARM AQUATIC LIFE.

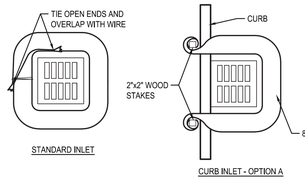
- THE CONTRACTOR SHALL DESIGNATE A CONCRETE WASHOUT AREA AND SHALL INSTALL THE WASHOUT A MINIMUM OF 100 FEET UPSTREAM FROM A STORM DRAIN, STREAM, POND OR WATERWAY.
- THE FACILITIES SHALL BE CLEANED OUT ONCE THEY ARE 2/3 FULL OR NEW FACILITIES BE CONSTRUCTED TO PROVIDE ADDITIONAL STORAGE.
- ADDING SOLVENTS, FLOCCULENT, OR ACID TO WASHWATER IS PROHIBITED.
- PERMANENT DISPOSAL OF CONCRETE WASHOUT WASTE ON THE CONSTRUCTION SITE IS PROHIBITED. DISPOSAL OF WASTE SHALL BE IN A LEGAL MANNER.

CONSTRUCTION SITE LIQUID AND SOLID WASTE MANAGEMENT: BUILDING MATERIALS AND OTHER CONSTRUCTION SITE WASTES, INCLUDING SANITARY WASTES, MUST BE PROPERLY MANAGED AND DISPOSED OF TO REDUCE THE RISK OF POLLUTION. PRACTICES SUCH AS TRASH DISPOSAL, RECYCLING, PROPER SANITARY FACILITY MAINTENANCE, AND SPILL PREVENTION AND CLEANUP MEASURES CAN REDUCE THE POTENTIAL FOR STORMWATER RUNOFF TO MOBILIZE CONSTRUCTION SITE WASTES AND CONTAMINATE SURFACE OR GROUND WATER.

- THE CONTRACTOR SHALL DESIGNATE ONE AREA FOR CONSTRUCTION VEHICLE REFUELING THAT IS AT LEAST 100 FEET AWAY FROM A STORM DRAIN, STREAM, POND OR WATERWAY.
- TEMPORARY SANITARY FACILITIES SHOULD BE LOCATED AT LEAST 50 FEET AWAY FROM DRAINAGEWAYS, STORM DRAINS, RECEIVING WATERS, AREAS OF HIGH TRAFFIC, AND AREAS SUSCEPTIBLE TO FLOODING. WASTEWATER GENERATED FROM SANITARY FACILITIES SHALL NOT BE ALLOWED TO FLOW INTO STORM SEWERS AND DRAINAGEWAYS. ONLY LICENSED HAULERS SHALL BE AUTHORIZED TO DISPOSE OF WASTE. FACILITIES SHALL BE SECURED TO PREVENT OVERTURNING IN AREAS SUSCEPTIBLE TO STRONG WINDS.
- CONSTRUCTION WASTE SHALL BE SEGREGATED PROPERLY INTO VARIOUS CATEGORIES SUCH AS HAZARDOUS MATERIALS, TOXIC LIQUIDS AND NON-HAZARDOUS MATERIALS.
- CONTAINERS OF LIQUIDS SHOULD HAVE SECONDARY CONTAINMENT AND BE STORED AWAY FROM DRAINAGEWAYS, STORM DRAINS, RECEIVING WATERS, AREAS OF HIGH TRAFFIC, AND AREAS SUSCEPTIBLE TO FLOODING. CONTAINERS SHALL ALSO BE PROPERLY LABELED.

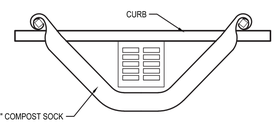
SPILL PREVENTION AND CONTROL: SPILL PREVENTION, CONTROL AND COUNTER MEASURE PLAN (SPCC) SHALL CLEARLY STATE MEASURES TO STOP THE SOURCE OF A SPILL, CONTAIN THE SPILL, CLEAN UP THE SPILL, DISPOSE OF CONTAMINATED MATERIALS, AND TRAIN PERSONNEL TO PREVENT AND CONTROL FUTURE SPILLS. SPCCS ARE APPLICABLE TO CONSTRUCTION SITES WHERE HAZARDOUS WASTE ARE STORED OR USED. HAZARDOUS WASTE INCLUDES PESTICIDES, PAINTS, CLEANERS, PETROLEUM PRODUCTS, FERTILIZERS, AND SOLVENTS.

- THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SPILL PREVENTION, CONTROL AND COUNTER MEASURE PLAN IN CONFORMANCE WITH STATE AND FEDERAL REGULATIONS.
- SPILLS SHALL BE CONTAINED AND CLEANED UP AS SOON AS POSSIBLE.
- RESIDUALS LEFT OVER FROM THE CLEAN UP ACTIVITY, SUCH AS ABSORBENT PADS OR CONTAINERS OF SPILL MATERIAL, SHALL BE DISPOSED OF PROPERLY.
- PROPER SPILL AND ILLICIT DISCHARGE REPORTING PROCEDURES INCLUDING CALLING NYSDEC SPILL HOTLINE SHALL BE FOLLOWED FOR BOTH HAZARDOUS AND NON-HAZARDOUS MATERIALS.
- SPILLS SHALL NOT BE WASHED DOWN INTO THE STORM DRAIN OR BURIED ANYWHERE.
- THE CONTRACTOR SHALL REFER TO NYSDEC REGULATIONS FOR ADDITIONAL REQUIREMENTS.

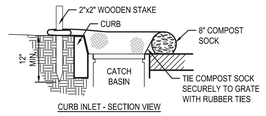


STANDARD INLET

CURB INLET - OPTION A



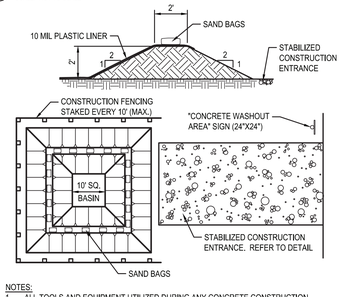
CURB INLET - OPTION B



CURB INLET - SECTION VIEW

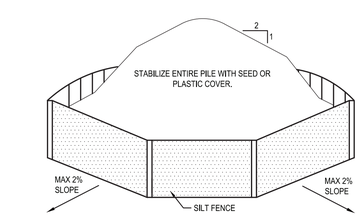
MAINTENANCE:
SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DIAMETER OF THE SILT/COMPOST SOCK.

5 COMPOST/SILT SOCK INLET PROTECTION DETAIL
SCALE: NOT TO SCALE



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.

4 CONCRETE WASH OUT DETAIL
SCALE: NOT TO SCALE



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.

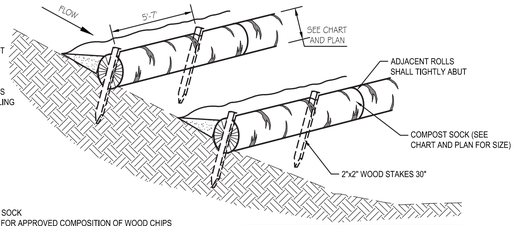
3 SOIL STOCKPILE DETAIL
SCALE: NOT TO SCALE

NOTES:

INSTALLATION:
WHEN INSTALLING RUNNING LENGTHS OF COMPOST SOCKS, BUTT THE SECOND SOCK TIGHTLY AGAINST THE FIRST, DO NOT OVERLAP THE ENDS. STAKE THE SOCKS AT EACH END AND FIVE FOOT ON CENTER.

STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE SOCK, LEAVING 2 - 3 INCHES OF THE STAKE PROTRUDING ABOVE THE SOCK AND AT LEAST 12" IN THE GROUND. WHEN COMPOST SOCKS ARE USED FOR FLAT GROUND APPLICATIONS, DRIVE THE STAKES STRAIGHT DOWN; WHEN INSTALLING WATTLES ON SLOPES, DRIVE THE STAKES PERPENDICULAR TO THE SLOPE.

DRIVE THE FIRST END STAKE OF THE SECOND SOCK AT AN ANGLE TOWARD THE FIRST SOCK IN ORDER TO HELP ABUT THEM TIGHTLY TOGETHER.

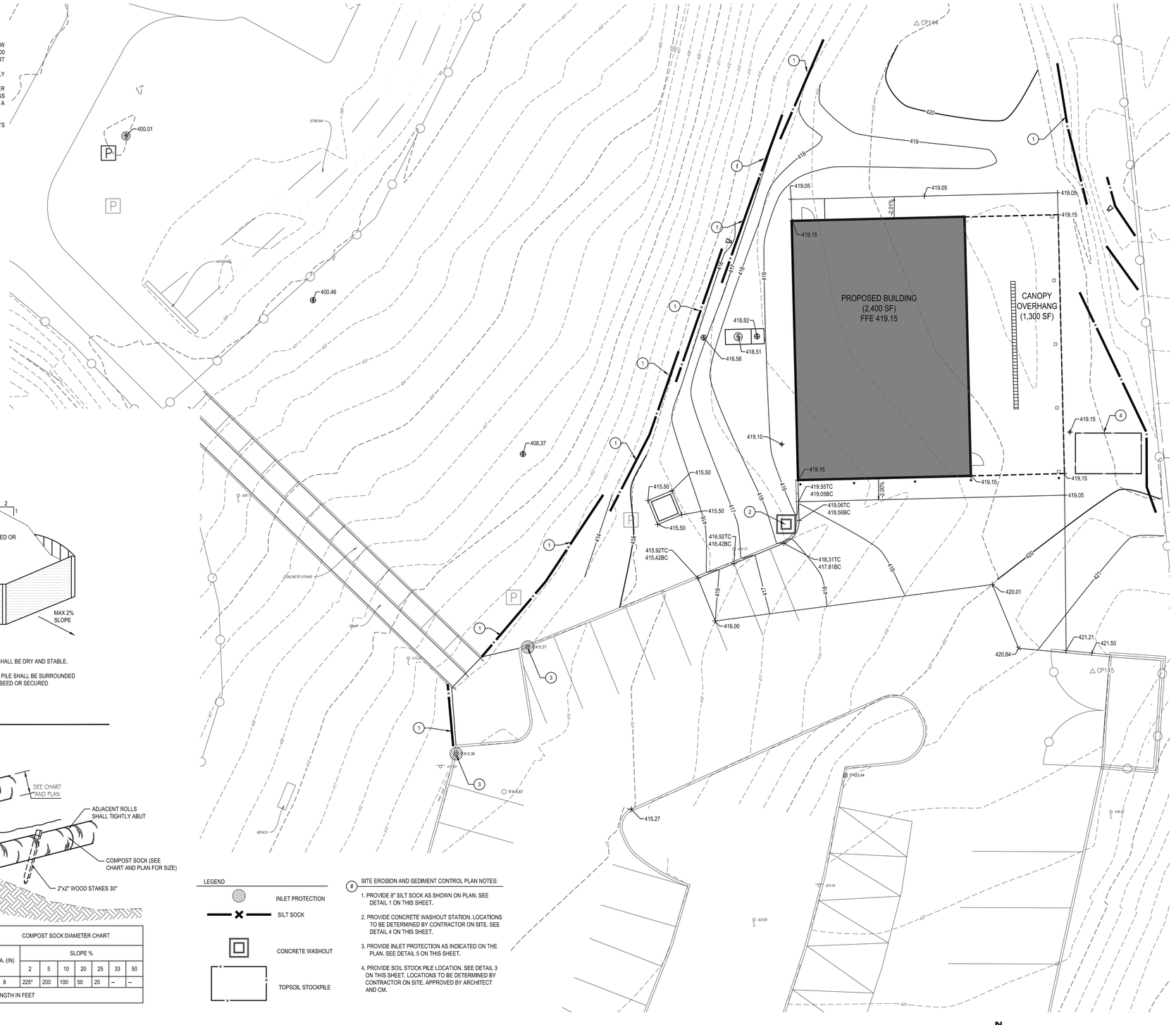


INSTALLATION NOTES:
1. COMPOST SOCKS SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
2. COMPOST SOCKS SHALL BE "SILT SOCK", "FILTEREXX" OR OTHER APPROVED FILTER FABRIC SOCK
3. COMPOST SOCKS SHALL BE FILLED WITH WOOD CHIPS OR COMPOST. SEE SPECIFICATIONS FOR APPROVED COMPOSITION OF WOOD CHIPS OR COMPOST
4. NOT FOR USE IN CONCENTRATED FLOW AREAS.
5. COMPOST SOCKS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
6. ON SLOPES, COMPOST SOCKS SHOULD BE INSTALLED ON CONTOUR WITH A SLIGHT DOWNWARD ANGLE AT THE END OF THE ROW IN ORDER TO PREVENT PONDING AT THE MID SECTION.
7. RUNNING LENGTHS OF SOCKS SHOULD BE ABUTTED FIRMLY TO ENSURE NO LEAKAGE AT THE ABUTMENTS.
8. COMPOST SOCK SHALL BE IN CONSTANT CONTACT WITH THE GROUND SURFACE.
9. 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.

COMPOST SOCK DIAMETER CHART							
DIA. (IN)	SLOPE %						
	2	5	10	20	25	33	50
8	225*	200	100	50	20	--	--
*LENGTH IN FEET							

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

2 COMPOST OR SILT SOCK INSTALLATION DETAIL
SCALE: NOT TO SCALE



LEGEND
- INLET PROTECTION
- SILT SOCK
- CONCRETE WASHOUT
- TOPSOIL STOCKPILE

SITE EROSION AND SEDIMENT CONTROL PLAN NOTES:
1. PROVIDE 8" SILT SOCK AS SHOWN ON PLAN. SEE DETAIL 1 ON THIS SHEET.
2. PROVIDE CONCRETE WASHOUT STATION. LOCATIONS TO BE DETERMINED BY CONTRACTOR ON SITE. SEE DETAIL 4 ON THIS SHEET.
3. PROVIDE INLET PROTECTION AS INDICATED ON THE PLAN. SEE DETAIL 5 ON THIS SHEET.
4. PROVIDE SOIL STOCK PILE LOCATION. SEE DETAIL 3 ON THIS SHEET. LOCATIONS TO BE DETERMINED BY CONTRACTOR ON SITE. APPROVED BY ARCHITECT AND CM.

1 SITE GRADING AND EROSION CONTROL PLAN
SCALE: 1" = 10'

N

SCALE IN FEET
0 5 10 20 30
SCALE: 1" = 10'

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/22	ISSUED FOR BID	

DRAWN BY:	BMW
CHECKED BY:	LG
DATE:	10/12/2022
SCALE:	AS SHOWN

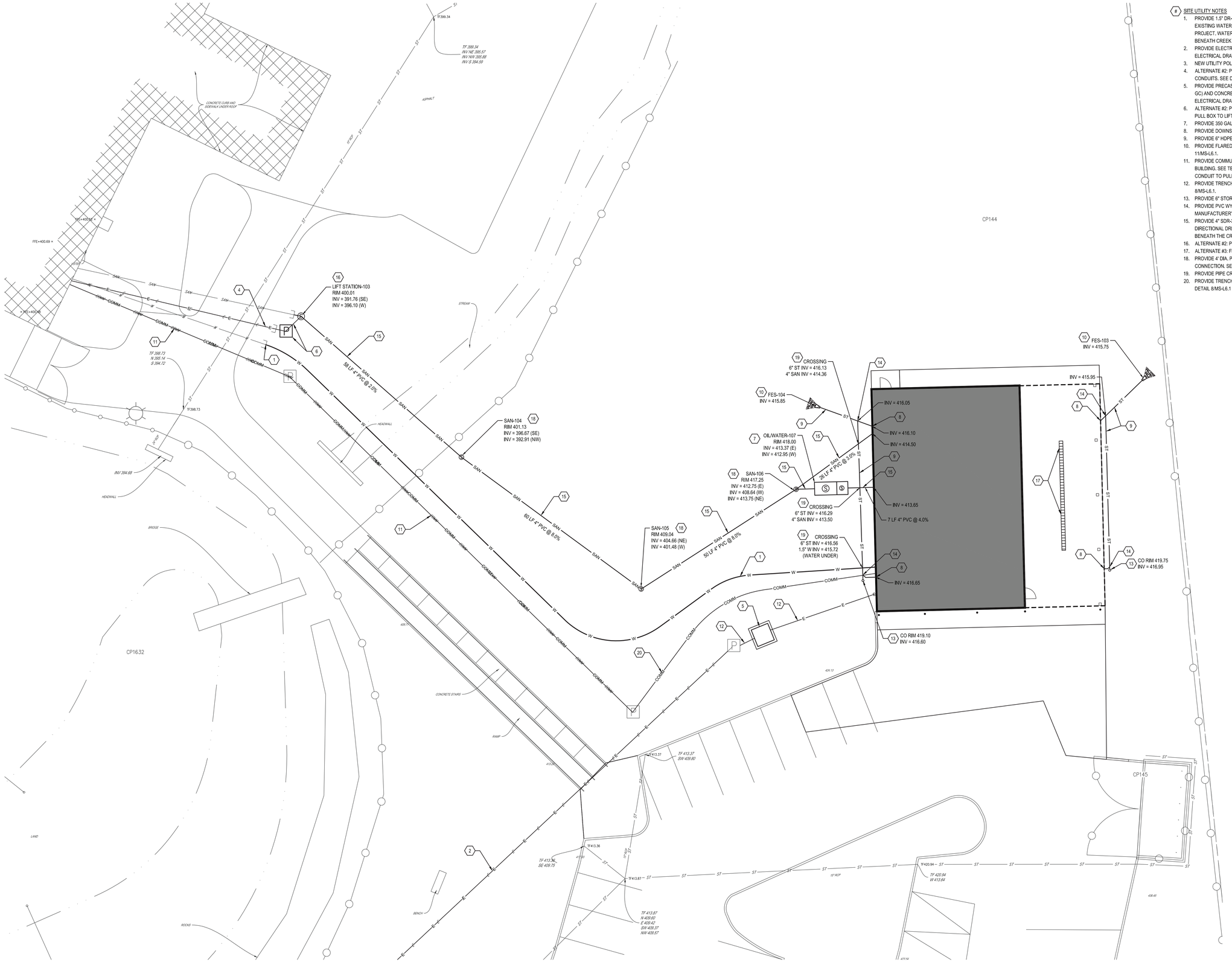
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000
ROCHESTER, NY 585 - 327 - 7949
TOWANDA, PA 570 - 265 - 4688

SITE GRADING AND EROSION CONTROL PLAN
PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

CENTRAL SCHOOL SED # 66-08-02-04-5-007-039; MAINTENANCE, STORAGE BUILDING SED # 66-08-02-04-3-006-001

MS-L4.1

PROJECT NO: 3288.004



1 SITE UTILITY PLAN
SCALE: 1" = 10'

SCALE IN FEET
0 5 10 20 30
SCALE: 1" = 10'

SITE UTILITY NOTES

1. PROVIDE 1.5" DR-17 HDPE WATER SERVICE TO WITHIN 5' OF NEW BUILDING. CONNECT TO EXISTING WATER SERVICE FROM MAIN SCHOOL BUILDING INSTALLED DURING PHASE 1 PROJECT. WATER SERVICE TO BE DIRECTIONAL DRILLED WITH A MINIMUM OF 5' OF COVER BENEATH CREEK (DEPTH MEASURED FROM BED OF CREEK). SEE DETAIL 7/MS-L6.1.
2. PROVIDE ELECTRICAL SERVICE. UTILIZE EXISTING EMPTY CONDUIT TO PULL WIRE. SEE ELECTRICAL DRAWINGS FOR WIRING SIZE.
3. NEW UTILITY POLE BY UTILITY COMPANY.
4. ALTERNATE #2: PROVIDE ELECTRICAL AND CONTROL WIRING IN EXISTING ELECTRICAL CONDUITS. SEE DETAIL 8/MS-L6.1 AND 1/MS-L6.2.
5. PROVIDE PRECAST ELECTRICAL TRANSFORMER VAULT (FURNISHED BY EC, INSTALLED BY GC) AND CONCRETE PAD. COORDINATE SERVICE WITH UTILITY COMPANY. SEE ELECTRICAL DRAWINGS AND DETAIL 2/MS-L6.1.
6. ALTERNATE #2: PROVIDE ELECTRICAL PULL BOX. PROVIDE ELECTRICAL CONDUIT FROM PULL BOX TO LIFT STATION. SEE DETAIL 8/MS-L6.1 AND 1/MS-L6.2.
7. PROVIDE 350 GALLON OIL WATER SEPARATOR WITH GRIT CHAMBER. SEE DETAIL 7/MS-L6.2.
8. PROVIDE DOWNSPOUT TRANSITION AT BUILDING. SEE DETAIL 10/MS-L6.1.
9. PROVIDE 6" HDPE STORM PIPE. SEE DETAIL 9/MS-L6.1.
10. PROVIDE FLARED END SECTION AND RIPRAP OUTLET PROTECTION. SEE DETAILS 11/MS-L6.1.
11. PROVIDE COMMUNICATION WIRE FROM POLE BARN BUILDING BACK TO MAIN SCHOOL BUILDING. SEE TECHNOLOGY DRAWINGS. UTILIZE EXISTING EMPTY COMMUNICATION CONDUIT TO PULL WIRE.
12. PROVIDE TRENCHING FOR ELECTRICAL CONDUIT. SEE ELECTRICAL DRAWINGS AND DETAIL 8/MS-L6.1.
13. PROVIDE 6" STORM CLEANOUT. SEE DETAIL 12/MS-L6.1.
14. PROVIDE PVC WYE CONNECTION TO PROPOSED STORM PIPE. INSTALL PER MANUFACTURER'S REQUIREMENTS.
15. PROVIDE 4" SDR-35 PVC SANITARY SEWER AT SLOPES INDICATED (MIN. 2.0%). DIRECTIONAL DRILL OR BORE BENEATH THE CREEK. PROVIDE A MINIMUM OF 5' OF COVER BENEATH THE CREEK BED. SEE DETAIL 2/MS-L6.2.
16. ALTERNATE #2: PROVIDE SANITARY PUMP STATION. SEE DETAIL 1/MS-L6.2.
17. ALTERNATE #3: FLOOR DRAIN. SEE STRUCTURAL AND PLUMBING DRAWINGS.
18. PROVIDE 4' DIA. PRECAST CONCRETE SANITARY MANHOLE WITH INTERIOR DROP CONNECTION. SEE DETAILS 3&5/MS-L6.2.
19. PROVIDE PIPE CROSSING SEPARATION OF MINIMUM 18 INCHES. SEE DETAILS 4&6/MS-L6.2.
20. PROVIDE TRENCHING FOR COMMUNICATION CONDUIT. SEE TECHNOLOGY DRAWINGS AND DETAIL 8/MS-L6.1

DRAWN BY:	BMW
CHECKED BY:	LG
DATE:	10/12/2022
SCALE:	AS SHOWN

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/22	ISSUED FOR BID	

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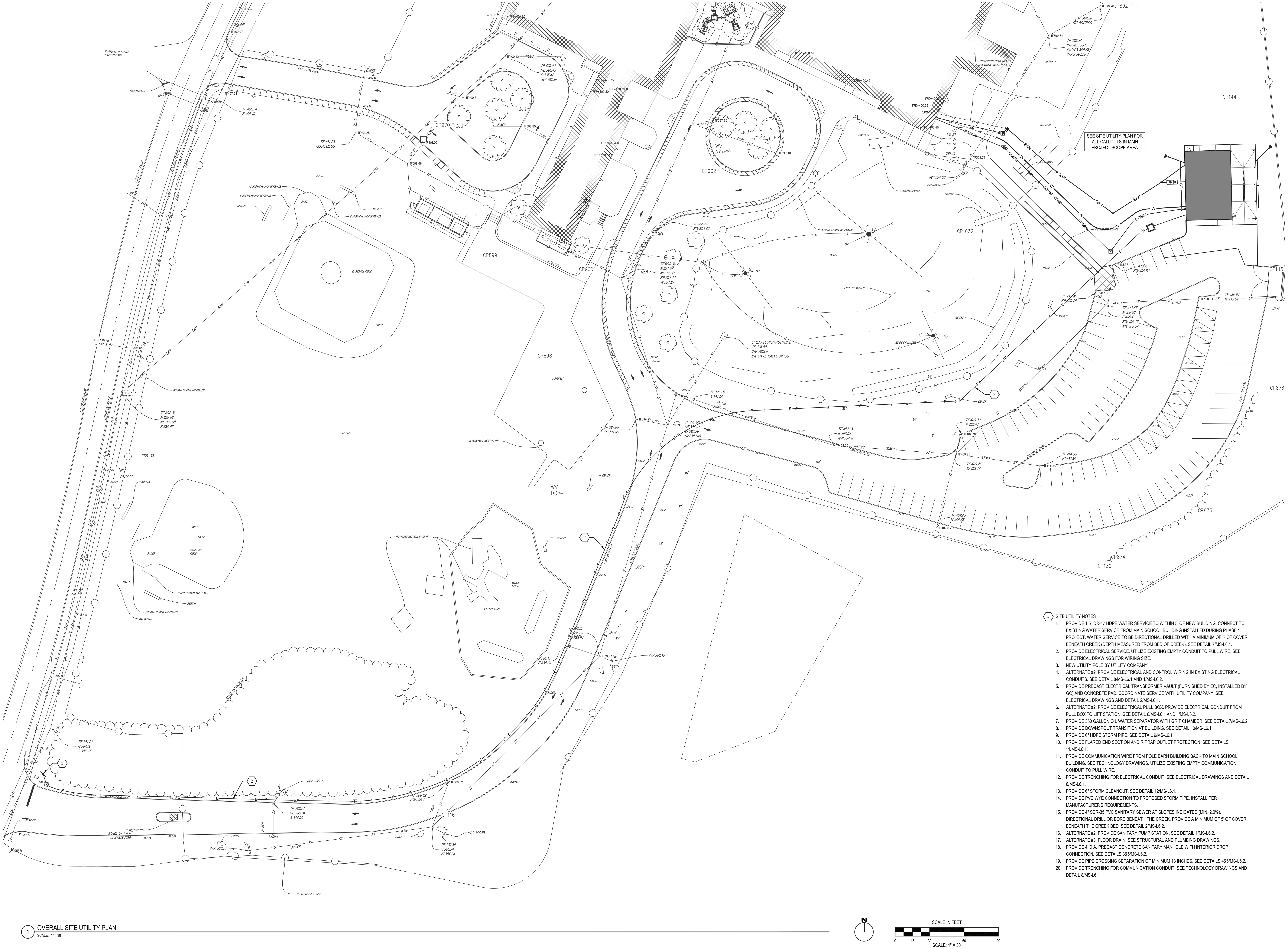
SITE UTILITY PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

CENTRAL SCHOOL SED # 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-005-001

MS-L5.1

PROJECT NO: 3288.004



SITE UTILITY NOTES

1. PROVIDE 1.5" DR-17 HDPE WATER SERVICE TO WITHIN 5' OF NEW BUILDING. CONNECT TO EXISTING WATER SERVICE FROM MAIN SCHOOL BUILDING INSTALLED DURING PHASE 1 PROJECT. WATER SERVICE TO BE DIRECTIONAL DRILLED WITH A MINIMUM OF 5' OF COVER BENEATH CREEK (DEPTH MEASURED FROM BED OF CREEK). SEE DETAIL 7/MS-L6.1.
2. PROVIDE ELECTRICAL SERVICE. UTILIZE EXISTING EMPTY CONDUIT TO PULL WIRE. SEE ELECTRICAL DRAWINGS FOR WIRING SIZE.
3. NEW UTILITY POLE BY UTILITY COMPANY.
4. ALTERNATE #2: PROVIDE ELECTRICAL AND CONTROL WIRING IN EXISTING ELECTRICAL CONDUITS. SEE DETAIL 8/MS-L6.1 AND 1/MS-L6.2.
5. PROVIDE PRECAST ELECTRICAL TRANSFORMER VAULT (FURNISHED BY EC, INSTALLED BY GC) AND CONCRETE PAD. COORDINATE SERVICE WITH UTILITY COMPANY. SEE ELECTRICAL DRAWINGS AND DETAIL 2/MS-L6.1.
6. ALTERNATE #2: PROVIDE ELECTRICAL PULL BOX. PROVIDE ELECTRICAL CONDUIT FROM PULL BOX TO LIFT STATION. SEE DETAIL 8/MS-L6.1 AND 1/MS-L6.2.
7. PROVIDE 350 GALLON OIL WATER SEPARATOR WITH GRIT CHAMBER. SEE DETAIL 7/MS-L6.2.
8. PROVIDE DOWNSPOUT TRANSITION AT BUILDING. SEE DETAIL 10/MS-L6.1.
9. PROVIDE 6" HDPE STORM PIPE. SEE DETAIL 9/MS-L6.1.
10. PROVIDE FLARED END SECTION AND RIPRAP OUTLET PROTECTION. SEE DETAILS 11/MS-L6.1.
11. PROVIDE COMMUNICATION WIRE FROM POLE BARN BUILDING BACK TO MAIN SCHOOL BUILDING. SEE TECHNOLOGY DRAWINGS. UTILIZE EXISTING EMPTY COMMUNICATION CONDUIT TO PULL WIRE.
12. PROVIDE TRENCHING FOR ELECTRICAL CONDUIT. SEE ELECTRICAL DRAWINGS AND DETAIL 8/MS-L6.1.
13. PROVIDE 6" STORM CLEANOUT. SEE DETAIL 12/MS-L6.1.
14. PROVIDE PVC WYE CONNECTION TO PROPOSED STORM PIPE. INSTALL PER MANUFACTURER'S REQUIREMENTS.
15. PROVIDE 4" SDR-35 PVC SANITARY SEWER AT SLOPES INDICATED (MIN. 2.0%). DIRECTIONAL DRILL OR BORE BENEATH THE CREEK. PROVIDE A MINIMUM OF 5' OF COVER BENEATH THE CREEK BED. SEE DETAIL 2/MS-L6.2.
16. ALTERNATE #2: PROVIDE SANITARY PUMP STATION. SEE DETAIL 1/MS-L6.2.
17. ALTERNATE #3: FLOOR DRAIN. SEE STRUCTURAL AND PLUMBING DRAWINGS.
18. PROVIDE 4' DIA. PRECAST CONCRETE SANITARY MANHOLE WITH INTERIOR DROP CONNECTION. SEE DETAILS 3&5/MS-L6.2.
19. PROVIDE PIPE CROSSING SEPARATION OF MINIMUM 18 INCHES. SEE DETAILS 4&6/MS-L6.2.
20. PROVIDE TRENCHING FOR COMMUNICATION CONDUIT. SEE TECHNOLOGY DRAWINGS AND DETAIL 8/MS-L6.1

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CENTRAL SCHOOL SED # : 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-2-006-001

OVERALL SITE UTILITY PLAN

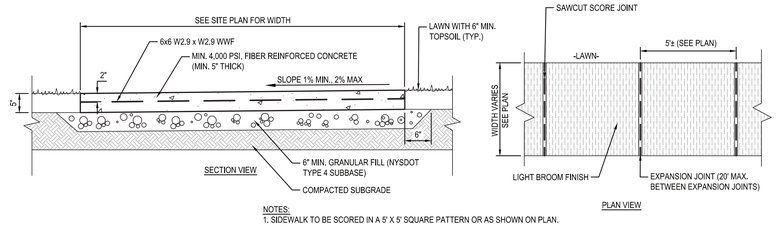
PHASE 1A - CAPITAL IMPROVEMENTS

POCANTICO HILLS CSD

599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

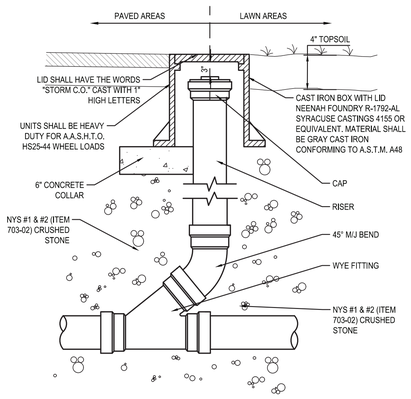
MS-L5.2

PROJECT NO: 3288.004

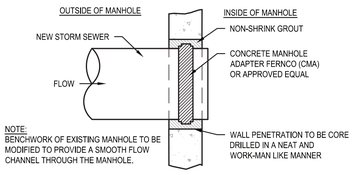


NOTES:
1. SIDEWALK TO BE SCORED IN A 5' X 5' SQUARE PATTERN OR AS SHOWN ON PLAN.

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

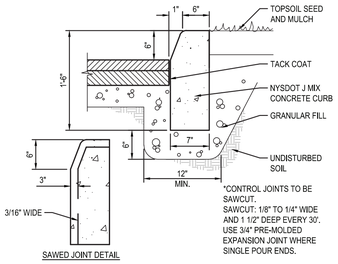


12 STORM CLEANOUT DETAIL
SCALE: N.T.S.



NOTE:
BENCHWORK OF EXISTING MANHOLE TO BE MODIFIED TO PROVIDE A SMOOTH FLOW CHANNEL THROUGH THE MANHOLE.

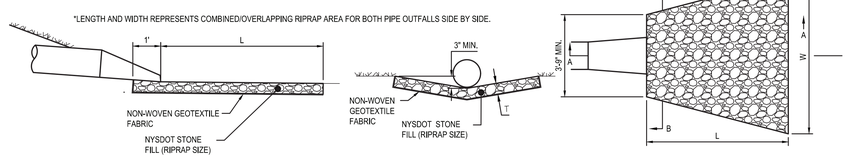
15 EXISTING STORM STRUCTURE CONNECTION DETAIL
SCALE: N.T.S.



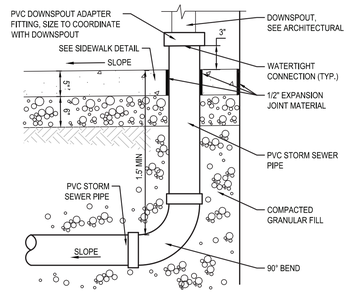
*CONTROL JOINTS TO BE SAWCUT. SAWCUT: 1/8" TO 1/4" WIDE AND 1 1/2" DEEP EVERY 30'. USE 3/4" PRE-MOLDED EXPANSION JOINT WHERE SINGLE POUR ENDS.

14 FIXED FORMED CONCRETE CURB DETAIL
SCALE: N.T.S.

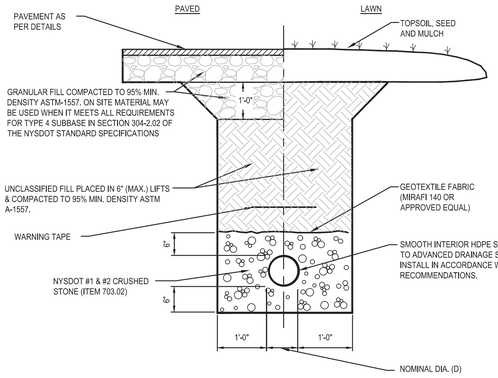
OUTFALL APRON SIZING					
OUTFALL #	LENGTH (L) FEET	WIDTH (W) FEET	d50	RIPRAP SIZE	MIN. THICKNESS (T)
001	6	7	3"	FINE	9"



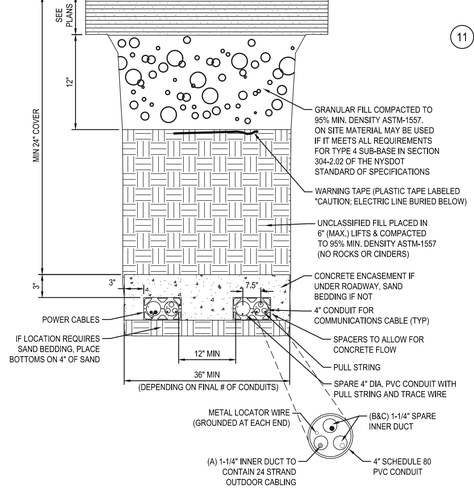
11 STORM SEWER END SECTION DETAIL
SCALE: N.T.S.



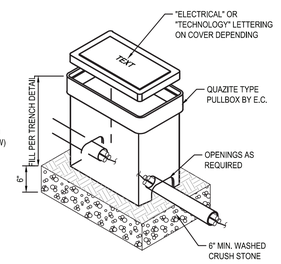
10 ROOF DRAIN ADAPTER DETAIL
SCALE: N.T.S.



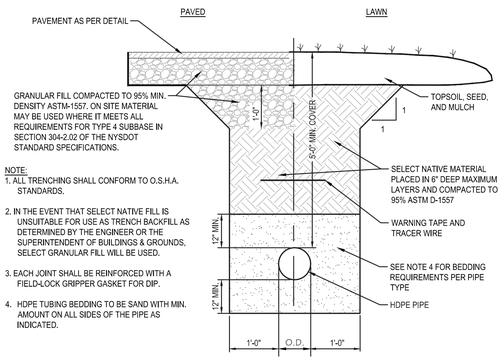
9 TYPICAL STORM SEWER DETAILS
SCALE: N.T.S.



8 ELECTRICAL & COMMUNICATIONS TRENCH WITH PULL BOX DETAIL
SCALE: N.T.S.

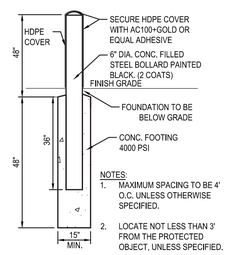


NOTES:
1. ALL TRENCHING SHALL CONFORM TO O.S.H.A. STANDARDS.
2. BREAK OUT AND SEPARATE ELEC AND TECH TRENCH IF TECH AND ELEC LINES ARE SHOWN INDIVIDUALLY ON THE SITE PLANS.
3. REFER TO FUEL SYSTEM DETAIL SHEETS (L5.5 AND L5.6), E-SERIES, AND T-SERIES PLANS FOR REQUIRED NUMBER OF CONDUITS. THIS DETAIL ADDRESSING TRENCHING ONLY.



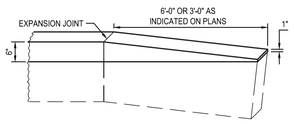
NOTE:
1. ALL TRENCHING SHALL CONFORM TO O.S.H.A. STANDARDS. IF EXISTING NATIVE MATERIAL IS UNSUITABLE FOR USE AS TRENCH BACKFILL AS DETERMINED BY THE ENGINEER OR THE SUPERINTENDENT OF BUILDINGS & GROUNDS, SELECT GRANULAR FILL WILL BE USED.
2. IN THE EVENT THAT SELECT NATIVE FILL IS UNSUITABLE FOR USE AS TRENCH BACKFILL AS DETERMINED BY THE ENGINEER OR THE SUPERINTENDENT OF BUILDINGS & GROUNDS, SELECT GRANULAR FILL WILL BE USED.
3. EACH JOINT SHALL BE REINFORCED WITH A FIELD-LOCK GRIPPER GASKET FOR DIP.
4. HDPE TUBING BEDDING TO BE SAND WITH MIN. AMOUNT ON ALL SIDES OF THE PIPE AS INDICATED.

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

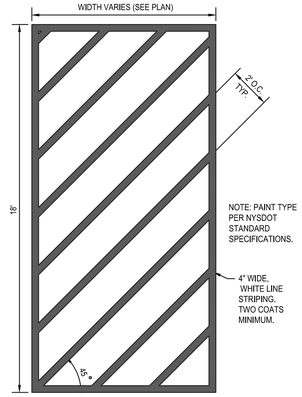


NOTES:
1. MAXIMUM SPACING TO BE 4' O.C. UNLESS OTHERWISE SPECIFIED.
2. LOCATE NOT LESS THAN 3' FROM THE PROTECTED OBJECT, UNLESS SPECIFIED.

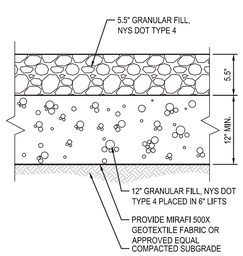
6 STEEL BOLLARD DETAIL
SCALE: N.T.S.



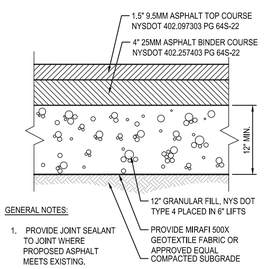
5 CURB TAPER DETAIL
SCALE: N.T.S.



4 STRIPING DETAIL
SCALE: N.T.S.

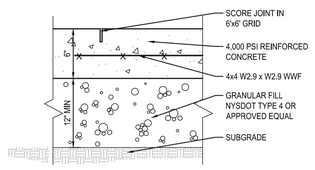


3 GRAVEL AND SUBBASE DETAIL
SCALE: N.T.S.

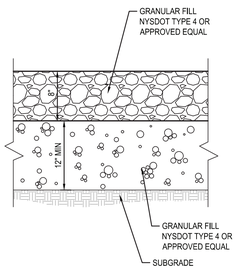


GENERAL NOTES:
1. PROVIDE JOINT SEALANT TO JOINT WHERE PROPOSED ASPHALT MEETS EXISTING.

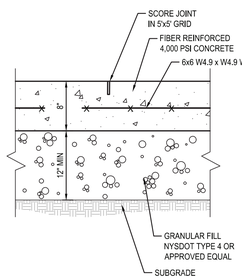
3A HEAVY DUTY ASPHALT PAVEMENT
SCALE: N.T.S.



2 CONCRETE PAD DETAIL
SCALE: N.T.S.



1 GRAVEL AND SUBBASE DETAIL
SCALE: N.T.S.



1A HEAVY DUTY CONCRETE PAD
SCALE: N.T.S.

DRAWN BY:	BMW
CHECKED BY:	LG
DATE:	10/12/2022
SCALE:	AS SHOWN

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/22	ISSUED FOR BID	

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4668

CENTRAL SCHOOL SED # 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-005-001

SITE DETAILS

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

MS-L6.1

PROJECT NO: 3288.004

GENERAL SPECIFICATIONS

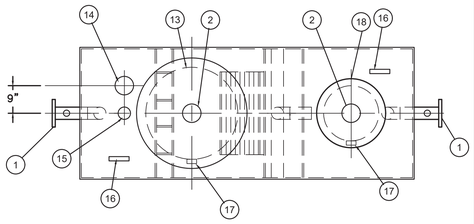
NO. REQ'D: (1)
CAPACITY: 350 GALLONS
TYPE: HTC–G, HIGHGUARD, SINGLE WALL
MATERIAL: MILD CARBON STEEL
FLOW RATE: 35 GPM
GAUGE: BASED ON 60" MAX BURIAL

SHELL– 7 GA.
HEADS– 7 GA.

SURFACE PREP:
SSPC NO.6 BLAST ALL EXTERIOR SURFACES
SSPC NO.10 BLAST ALL INTERIOR SURFACES

COATING:	MATERIAL	THICKNESS
EXTERIOR–	HIGHGUARD	(75 MILS)
INTERIOR–	CHEMLINE 4200 PW	(15 MILS)

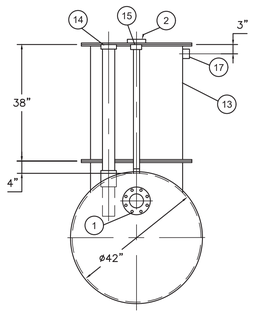
CONSTRUCTION :
LAP FIT & WELD ALL EXTERIOR SEAMS
OPERATING PRESSURE : ATMOSPHERIC



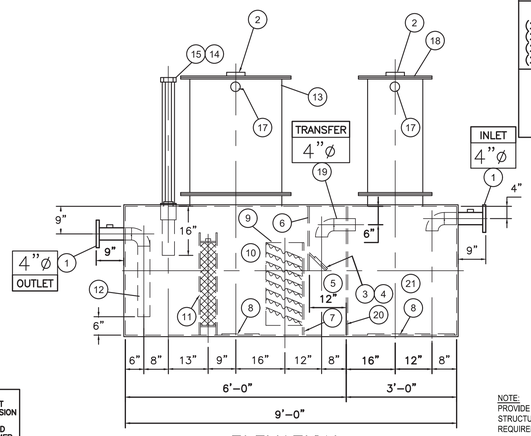
PLAN

PROVIDED EQUIPMENT

1. 150# R.F.S.O. FLANGE W/ 2" FNPT FOR VENT
2. 4"ø FNPT FOR GAUGE WITH PLUG
3. VELOCITY HEAD DIFFUSION BAFFLE
4. WEAR PLATE
5. SEDIMENT CHAMBER
6. UNDERFLOW BAFFLE (REMOVABLE)
7. SLUDGE BAFFLE
8. STRIKER PLATES
9. PARALLEL CORRUGATED PLATE COALESCER. CORELLA PVC PLATES (3" PLATE SPACING)
10. OIL/WATER SEPARATOR CHAMBER
11. 6" THICK PETROSCREEN COALESCER MATERIAL INSTALLED W/ PULL ROD SHIPPED LOOSE
12. STEEL OUTLET DOWNCOMER
13. 30"ø MANWAY WITH BOLT–ON EXTENSION SHIPPED LOOSE
14. 4"ø FNPT FOR OIL PUMP–OUT WITH INTERNAL PVC PIPE INSTALLED & RISER PIPE SHIPPED LOOSE
15. 2"ø FNPT FOR LEVEL SENSOR WITH RISER PIPE SHIPPED LOOSE
16. LIFTING LUG
17. 2"ø FNPT FOR VENT
18. 18"ø MANWAY WITH BOLT–ON EXTENSION SHIPPED LOOSE
19. STEEL TRANSFER PIPING
20. 7 GA. BULKHEAD
21. SLUDGE CHAMBER



END VIEW



ELEVATION

ANCILLARY PROVIDED EQUIPMENT

(2) 30" FIBREFLEX MANWAY GASKETS
(2) SETS OF NUTS/BOLTS/WASHERS FOR 30" MANWAY
(2) 18" FIBREFLEX MANWAY GASKETS
(2) SETS OF NUTS/BOLTS/WASHERS FOR 18" MANWAY

NOTES

1. POLYURETHANE HIGHGUARD TANK IS NOT APPROVED FOR THE STORAGE OF HEATED PRODUCTS
2. ALL VENT PIPING BY INSTALLER
3. 15000 VOLT SPARK TEST PROVIDED AT FACTORY

NOTE:
PROVIDE 12" GRANULAR FILL BENEATH STRUCTURE. INSTALL PER MANUFACTURERS REQUIREMENTS.

REVISIONS

Highland Tank
U.S. Patent #4,722,800 Canadian Patent # 1,296,263

350 GALLON OIL WATER SEPARATOR
HTC–G, HIGHGUARD, SINGLE WALL

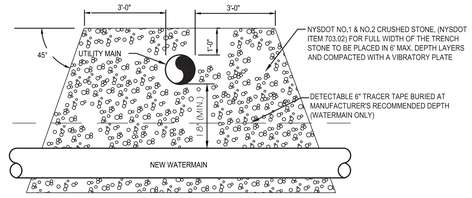
CUSTOMER:
PROJECT:
QUOTE NO:
CHK'D BY:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE ± DR – 1°

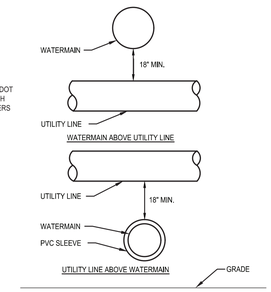
SCALE:	DATE:	DWG. BY:	DWG. NO.:
1/2"=1'-0"			00350HGSWHTCG

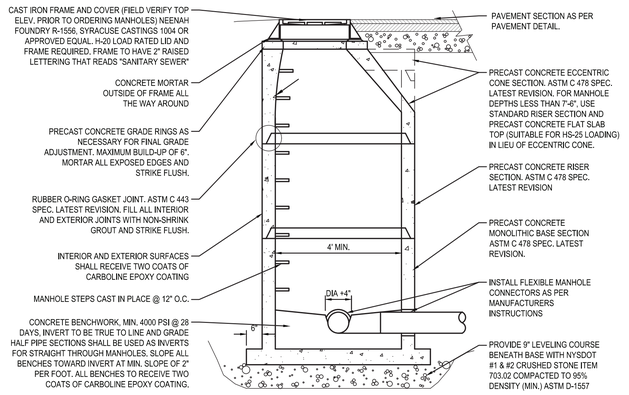
7 350 GALLON OIL WATER SEPERATOR
SCALE: N.T.S.

NOTES:
1. AT CROSSINGS OF EXISTING SEWERS, ONE FULL LENGTH (20' MIN) OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE.
2. AT CROSSING OF NEW SEWERS, WATERLINE AND SEWER LINE PIPE LENGTHS SHALL BE CENTERED AT CROSSINGS. EACH LENGTH OF PIPE TO BE 20' MINIMUM
3. WHEN UTILITY LINES ARE ABOVE WATERMAINS, WATERMAINS SHALL BE INSTALLED WITH PVC CASING FOR 10' EACH SIDE OF THE CROSSING. SLEEVE TO BE CONTINUOUS, NO JOINTS, AND THE I.D. MUST BE 2" GREATER THAN THE O.D. OF THE CARRIER PIPE BELL DIMENSION.
4. DESCRIBED MEASURES ARE NOT ALLOWED FOR USE NEAR SEWER CATCH BASINS, DRYWELLS, MANHOLES, OR WHEN WATERMAIN IS INSTALLED WITHIN 10' AND PARALLEL TO SEWER.
5. BACKFILL AS A PER APPROPRIATE TRENCH DETAIL

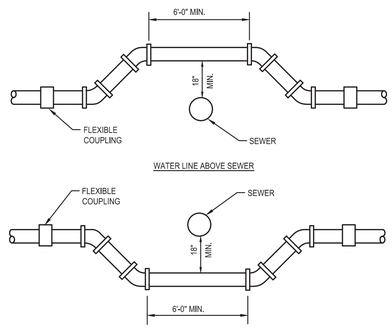


6 UTILITY CROSSING DETAIL
SCALE: N.T.S.

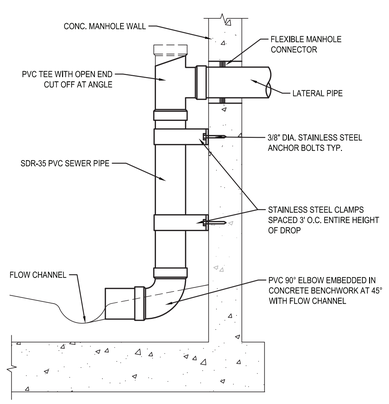




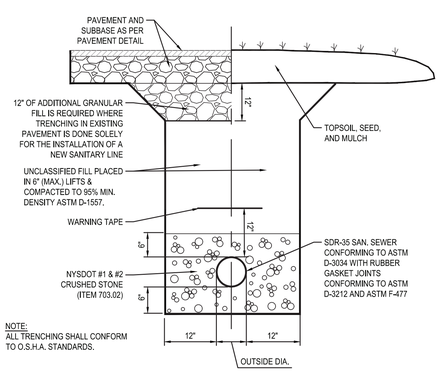
5 PRECAST CONCRETE SANITARY MANHOLE DETAIL
SCALE: N.T.S.



4 WATERMAIN RELOCATION DETAIL
SCALE: N.T.S.



3 INSIDE DROP CONNECTION DETAIL
SCALE: N.T.S.

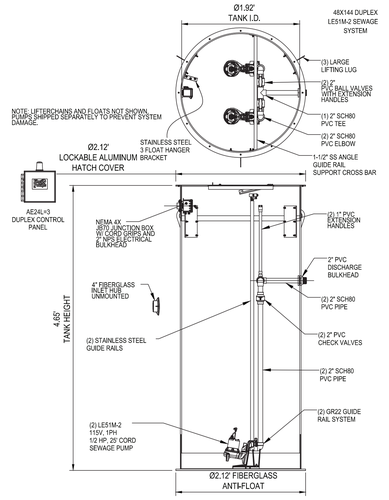


NOTE:
ALL TRENCHING SHALL CONFORM TO O.S.H.A. STANDARDS.

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

PUMP STATION NOTES:

1. HATCH COVERS SHALL BE ALUMINUM. ANGLE STYLE FRAME WITH CONTINUOUS 1-1/2 COVER SLABS OF THE WET WELL STRUCTURE. DOOR LEAFS SHALL BE 1/4" 5086 ALUMINUM DIAMOND PLATE REINFORCED WITH STRUCTURAL ALUMINUM CHANNELS AND SHALL BE CAPABLE OF WITHSTANDING LOADS UP TO 300 POUNDS PER SQUARE FOOT. ALL BARS, ANGLES AND EXTRUSIONS SHALL BE 6061-T6 ALUMINUM. SLAM LOCK PLUGS, BRACKETS, HINGES AND ALL OTHER HARDWARE SHALL BE TYPE 316 STAINLESS STEEL. UNIT SHALL INCLUDE TYPE 316 STAINLESS STEEL SPRING WITH INTEGRAL HOLD OPEN DEVICE. THE DOOR SHALL OPEN A MINIMUM OF 90 DEGREES AND SHALL BE COUNTERBALANCED TO FACILITATE OPENING BY ONE PERSON. THE PORTION OF THE FRAME WHICH IS IN CONTACT WITH THE CONCRETE SHALL RECEIVE A PROTECTIVE BITUMINOUS COATING. LOCKING DEVICE SHALL BE A SLAM LOCK WITH REMOVABLE HANDLE. CLEAR OPENING DIMENSIONS AND EXACT LOCATION SHALL BE AS SHOWN ON THE DRAWINGS OR LARGER AS NECESSARY TO PROVIDE ACCESS FOR REMOVAL OF PUMPS AND MAINTENANCE OF ALL ACCESSORIES.
2. THE ACCESS COVER UNITS SHALL BE EQUIPPED WITH SAFETY GRATES IN CONFORMANCE WITH OSHA STANDARD 1910.23 FOR FALL THROUGH PROTECTION AND OSHA STANDARD 1910.146 FOR CONTROLLED CONFINE SPACE ENTRY. THE SAFETY GRATES SHALL BE MADE OF 6061-T6 ALUMINUM AND SHALL BE DESIGNED TO WITHSTANDING LIVE LOADS UP TO 300 POUNDS PER SQUARE FOOT. GRATE OPENINGS SHALL ALLOW VISUAL INSPECTION, LIMITED MAINTENANCE AND FLOAT SWITCH ADJUSTMENTS WHILE GRATE IS CLOSED. THE UNIT SHALL ASSURE FALL THROUGH PROTECTION IS IN PLACE BEFORE THE ACCESS COVER CAN BE CLOSED. ALL GRATES SHALL BE PROVIDED WITH HINGING SYSTEM THAT WILL LOCK THE GRATE OPEN IN THE 90-DEGREE POSITION. ALL GRATES SHALL BE COATED WITH SAFETY ORANGE EPOXY POWDER COAT.
3. WALL AND CEILING PIPE SLEEVE: NON-METALLIC HIGH DENSITY POLYETHYLENE SLEEVE WITH INTEGRALLY FORMED HOLLOW WATER STOP SIZED A MINIMUM OF 4 INCHES LARGER THAN THE OUTSIDE DIAMETER OF THE SLEEVE.
4. MODULAR SEALS: MECHANICAL TYPE MODULAR SEAL RUBBER LINKS SHAPED TO CONTINUOUSLY FILL THE ANNULAR SPACE BETWEEN THE PIPE AND OPENING, 316 STAINLESS STEEL BOLTS AND FLANGE HEX NUTS.
5. WET WELL COATING SYSTEM:
   A. EPOXY MODIFIED CEMENTITIOUS MORTAR PRIMER: A HIGH-PERFORMANCE, SELF-PRIMING, AGGREGATE REINFORCED MATERIAL FOR SURFACING, PATCHING AND FILLING VOIDS AND BUGHOLES IN CONCRETE SUBSTRATES.
   B. MODIFIED POLYAMINE EPOXY TOPCOAT: A THICK FILM, 100 PERCENT SOLIDS, ABRASION-RESISTANT LINING SPECIFICALLY DESIGNED FOR WASTEWATER IMMERSION AND FUME ENVIRONMENTS.
6. EXTERIOR COATINGS (POLYAMIDE EPOXY-COAL TAR): SELF-PRIMING, HIGH-BUILD CORROSION RESISTANT COATING PROVIDING ONE COAT PROTECTION FOR CONCRETE IN A VARIETY OF CHEMICAL, IMMERSION AND UNDERGROUND CONDITIONS. DRY FILM THICKNESS: 16 - 20 MILS IN ONE COAT.
7. PUMPS: PUMP SHALL BE MYERS, BARNES, OR GOULDS SUBMERSIBLE EFFLUENT PUMP WITH VORTEX TYPE IMPELLER OR EQUIVALENT. ALL OPENINGS IN PUMP SHALL BE LARGE ENOUGH TO PASS A $\frac{3}{4}$" TO $\frac{3}{4}$" DIAMETER SPHERE.
8. MOTOR: PUMP MOTORS SHALL BE OF THE SEALED SUBMERSIBLE TYPE RATED PER PUMP STATION SUMMARY CHART ABOVE. MOTOR SHALL BE FOR 1-PHASE, 115 VOLTS AND 60 HERTZ. MOTOR SHALL BE NEMA B TYPE. STATOR WINDING SHALL BE OF THE OPEN TYPE WITH CLASS H INSULATION GOOD FOR 180°C (356°F) MAXIMUM OPERATING TEMPERATURE. WINDING HOUSING SHALL BE FILLED WITH A CLEAN HIGH DIELECTRIC OIL THAT LUBRICATES BEARINGS AND SEALS AND TRANSFERS HEAT FROM WINDINGS AND ROTOR TO OUTER SHELL. AIR-FILLED MOTORS THAT DO NOT HAVE THE SUPERIOR HEAT DISSIPATING CAPABILITIES OF OIL-FILLED MOTORS SHALL NOT BE CONSIDERED EQUAL. MOTOR SHALL HAVE TWO HEAVY DUTY BALL BEARINGS TO SUPPORT PUMP SHAFT AND TAKE RADIAL AND THRUST LOADS AND A SLEEVE GUIDE BUSHING DIRECTLY ABOVE THE LOWER SEAL TO TAKE RADIAL LOAD AND ACT AS FLAME PATH FOR SEAL CHAMBER. BALL BEARINGS SHALL BE DESIGNED FOR 50,000 HOURS B-10 LIFE. STATOR SHALL BE HEAT SHRUNK INTO MOTOR HOUSING. A HEAT SENSOR THERMOSTAT SHALL BE ATTACHED TO AND EMBEDDED IN THE WINDING AND BE CONNECTED IN SERIES WITH THE MOTOR STARTER CONTACTOR COIL TO STOP MOTOR IF TEMPERATURE OF WINDING IS MORE THAN 150°C (302°F) ±8°H. THERMOSTAT TO RESET AUTOMATICALLY WHEN MOTOR COOLS TO SAFE OPERATING TEMPERATURE. THE COMMON PUMP MOTOR SHAFT SHALL BE OF 416 STAINLESS STEEL.
9. FINISHES (COATINGS FOR ABOVE-GRADE, FERROUS METAL PLUMBING): PRIME COAT: MODIFIED ALKYD PRIMER DESIGNED SPECIFICALLY TO PROTECT RUSTED STEEL AGAINST FURTHER RUST AND A CORROSION, DRY FILM THICKNESS: 1-2 MILS. TOP COAT: ALKYD ENAMEL DESIGNED FOR INTERIOR AND EXTERIOR STEEL SURFACES AND COMPATIBLE WITH THE PRIME COAT. B. SEMI-GLOSS FINISH. GRAY COLOR. DRY FILM THICKNESS: 1.5 - 2.5 MILS.
10. THE CONTROL PANEL SHALL BE EQUIPPED WITH CIRCUITRY TO OVERRIDE THE LEVEL CONTROL SYSTEM AND SHUT DOWN THE PUMP MOTOR WHEN REQUIRED TO PROTECT THE PUMP FROM DAMAGE CAUSED BY EXCESSIVE TEMPERATURE. A THERMOSTAT SHALL BE MOUNTED ON EACH PUMP TO DETECT ITS TEMPERATURE AND A MAGNETIC SWITCH SHALL BE SUPPLIED FOR EACH THERMOSTAT. AN INDICATOR, VISIBLE ON THE FRONT OF THE CONTROL PANEL SHALL INDICATE THE PUMP MOTOR HAS BEEN STOPPED BECAUSE OF HIGH TEMPERATURE CONDITIONS. PUMP SHALL REMAINED LOCKED OUT UNTIL IT HAS COOLED AND THE CIRCUIT HAS BEEN MANUALLY RESET. THE CONTROL PANEL SHALL BE EQUIPPED WITH CIRCUITRY TO DETECT MOISTURE IN THE PUMP MOTOR. A MOISTURE DETECTOR SHALL BE MOUNTED ON EACH PUMP TO DETECT A SEAL FAILURE. AN INDICATOR, VISIBLE ON THE FRONT OF THE CONTROL PANEL SHALL INDICATE THE PUMP MOTOR HAS A SEAL FAILURE.
11. THE CONTROL PANEL SHALL BE EQUIPPED WITH A RED DOME STYLE FLASHING ALARM LIGHT, MOUNTED TO THE EXTERIOR OF THE CONTROL ENCLOSURE.
12. THE LEVEL CONTROL SYSTEM SHALL UTILIZE A SUBMERSIBLE PRESSURE TRANSDUCER, WHICH SHALL CONTINUOUSLY, MONITOR THE WET WELL LEVEL, PERMITTING THE OPERATOR TO READ WET WELL LEVEL AT ANY TIME. THE DISPLAY SHALL BE AN LCD BACK LIGHTED PANEL. IT SHALL INDICATE LEVEL IN THE WET WELL AND THE SELECTED OPERATING AND ALARM LEVELS. IT SHALL BE CALIBRATED TO READ FEET OF WATER, BE ACCURATE TO 0.1' AND HAVE A FULL SCALE INDICATION OF 12'. THE LEVEL CONTROL SHALL RECEIVE TWO FLOAT SWITCHES AS BACKUP OF HIGH AND LOW LEVEL.
13. PUMP STATION CONTROL PANEL SHALL OUTPUT PUMP STATION STATUS TO INTEGRAL DIALER. ALARMS SHALL BE HIGH LEVEL, PUMP 1 FAULT AND PUMP 2 FAULT, AND POWER LOSS. FEATURES:
   A. INPUT SIGNALS.
   B. DIAL UP TO FOUR TELEPHONE NUMBERS.
   C. DIGITAL RECORDINGS OF ACTUAL USERS VOICE.
   D. RECHARGEABLE BATTERY BACK UP.
   E. MONITORS STATION FACILITY POWER.
14. THE EQUIPMENT MANUFACTURER SHALL FURNISH THE SERVICES OF A QUALIFIED FACTORY TRAINED FIELD SERVICE ENGINEER FOR ONE 8-HOUR WORKING DAY AT THE SITE TO INSPECT THE INSTALLATION AND INSTRUCT THE OWNER'S PERSONNEL ON THE OPERATION AND MAINTENANCE OF THE PUMPING UNITS. AFTER THE PUMPS HAVE BEEN COMPLETELY INSTALLED AND WIRED. THE CONTRACTOR SHALL HAVE THE MANUFACTURER DO THE FOLLOWING:
   A. MEGGER STATOR AND POWER CABLES.
   B. CHECK SEAL LUBRICATION.
   C. CHECK FOR PROPER ROTATION.
   D. CHECK POWER SUPPLY VOLTAGE.
15. ELECTRICAL NOTES
   A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC AND ANY OTHER GOVERNING CODES AND STANDARDS HAVING JURISDICTION.
   B. ALL EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.
   C. CONTRACTORS SHALL PAY FOR AND SECURE ALL PERMITS AND UNDERWRITERS CERTIFICATES.
   D. IT IS INTENDED THAT ALL ITEMS OF WORK AND SYSTEMS BE FURNISHED AND INSTALLED COMPLETE IN DETAILS, READY FOR OPERATION AND SERVICE. APPARATUS REQUIRED SHALL BE FURNISHED AND INSTALLED ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, OR SHOWN ON THE DRAWINGS.
   E. TESTING AFTER WIRES ARE IN PLACE AND CONNECTED TO DEVICES AND EQUIPMENT. THE SYSTEM SHALL BE TESTED FOR SHORTS AND GROUNDS. ALL WIRING, IF SHORTED OR GROUNDED SHALL BE REPLACED.



1 PRE-PACKAGED SANITARY PUMP STATION
SCALE: N.T.S.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7040 TOWANDA, PA 570 - 265 - 4868

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/22	ISSUED FOR BID	

DRAWN BY: BMW
CHECKED BY: LG
DATE: 10/12/2022
SCALE: AS SHOWN

CENTRAL SCHOOL SED # 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-006-001

SITE DETAILS
PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD STREET, SLEEPY HOLLOW, NY 10591

MS-L6.2

PROJECT NO: 3288.004

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
ROOF	20 PSF
ROOF	10 PSF (USE FOR DETERMINING NET WIND UPLIFT)

2. GRAVITY - LIVE LOADS

   a. ROOF LIVE LOAD 20 PSF MIN. (SNOW LOAD USED WHEN GREATER)
   b. ROOF SNOW LOAD 25 PSF+ DRIFTING (WHERE APPLICABLE)
      (1) GROUND SNOW LOAD (Pg) = 30 PSF
      (2) EXPOSURE FACTOR (Ce) = 1.00
      (3) IMPORTANCE FACTOR (i) = 1.10
      (4) THERMAL FACTOR (Ct) = 1.10
      (5) SLOPE FACTOR (Cs) = 1.00
      (6) DRIFT SURCHARGE EXISTING ROOF (Pd) = NA
      (7) WIDTH OF SNOW DRIFT EXISTING ROOF (W) = NA
   c. FLOOR LIVE LOADS

AREA	PSF
SLAB-ON-GRADE, TYPICAL U.N.O.	125 PSF
STORAGE AREA ABOVE SEALING	20 PSF (ATTIC TRUSSES)

3. WIND LOADS

   a. BASIC WIND SPEED (V) 114 MPH
      ALLOWABLE DESIGN WIND SPEED (Vasd) 88 MPH
   b. OCCUPANCY RISK CATEGORY II
   c. WIND EXPOSURE CATEGORY C
   d. Kz = 0.88, Kzt = 1.0, Kd = 0.85, Ke = 0.98
   e. ENCLOSED BUILDING GCpi = ±0.18
   f. MAIN WIND-FORCE RESISTING SYSTEM LOADS (PSF)

WIND PERPENDICULAR TO RIDGE

WINDWARD END ZONE WALL:	WINDWARD END ZONE ROOF:	WINDWARD INTERIOR ZONE WALL:	WINDWARD INTERIOR ZONE ROOF:	LEEWARD END ZONE WALL:	LEEWARD END ZONE ROOF:	LEEWARD INTERIOR ZONE WALL:	LEEWARD INTERIOR ZONE ROOF
14.3	-9.5	9.7	-7.2	-18.7	-20.0	-14.9	-16.4

WIND PARALLEL TO RIDGE

WINDWARD END ZONE WALL:	WINDWARD INT. ZONE WALL:	LEEWARD END ZONE WALL:	LEEWARD INT. ZONE WALL:	SIDEWALL ZONE 1 AND 4 WALL:	SIDEWALL ZONE 1E AND 4E WALL:
11.2	5.7	-15.9	-12.3	-16.5	-17.2

ROOF ZONE 2	ROOF ZONE 2E	ROOF ZONE 3	ROOF ZONE 3E
-22.7	-32.6	-14.4	-18.5

OVERHANG
END ZONE: -32.1 CORNER ZONE: -46.2

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

EFFECTIVE AREA	INTERIOR ZONE		END ZONE	
10SF	30.8	-33.4	30.8	-41.2
500SF	23.0	-25.6	23.0	-25.6

   h. COMPONENTS AND CLADDING - ROOF NET DESIGN WIND PRESSURES (ROOF SLOPE 20° TO 27°)

EFFECTIVE AREA	INTERIOR ZONE 1		END ZONE 2e		END ZONE 2n	
2 SF	23.0	-43.9	23.0	-43.9	23.0	-70.0
4 SF	21.7	-43.9	21.7	-43.9	21.7	-70.0
10 SF	17.8	-43.9	17.8	-43.9	17.8	-70.0
20 SF	16.5	-43.9	16.5	-43.9	16.5	-60.8
50 SF	16.0	-37.3	16.0	-37.3	16.0	-49.1
100 SF	16.0	-32.1	16.0	-32.1	16.0	-41.2
150 SF	16.0	-29.5	16.0	-29.5	16.0	-36.0
300 SF	16.0	-25.6	16.0	-25.6	16.0	-36.0

EFFECTIVE AREA	RIDGE ZONE 2r		CORNER ZONE 3e		END ZONE RIDGE 3r	
2 SF	23.0	-70.0	23.0	-70.0	23.0	-98.7
4 SF	21.7	-70.0	21.7	-70.0	21.7	-98.7
10 SF	17.8	-70.0	17.8	-70.0	17.8	-76.5
20 SF	16.5	-60.8	16.5	-60.8	16.5	-66.0
50 SF	16.0	-49.1	16.0	-49.1	16.0	-51.7
100 SF	16.0	-41.2	16.0	-41.2	16.0	-51.7
150 SF	16.0	-36.0	16.0	-36.0	16.0	-51.7
300 SF	16.0	-36.0	16.0	-36.0	16.0	-51.7

   i. COMPONENTS AND CLADDING - ROOF OVERHANG NET DESIGN WIND PRESSURES (PSF) (ROOF SLOPE 20° TO 27°)

EFFECTIVE AREA	INTERIOR ZONE 1	END ZONE 2e	END ZONE 2n
4 SF	-56.9	-56.9	-83.0
10 SF	-56.9	-56.9	-83.0
20 SF	-56.9	-56.9	-77.8
50 SF	-55.6	-55.6	-71.3
150 SF	-53.0	-53.0	-62.1
350 SF	-51.7	-51.7	-62.1

EFFECTIVE AREA	RIDGE ZONE 2r	CORNER ZONE 3e	END ZONE RIDGE 3r
4 SF	-83.0	-98.7	-127.4
10 SF	-83.0	-98.7	-98.7
20 SF	-77.8	-84.3	-84.3
50 SF	-71.3	-67.4	-67.4
150 SF	-62.1	-49.1	-67.4
350 SF	-62.1	-49.1	-67.4

4. LATERAL LOADS: SEISMIC

a. SEISMIC BASE SHEAR:	PER BUILDING MANUFACTURER
b. OCCUPANCY RISK CATEGORY	II
c. IMPORTANCE FACTOR (I)	1.00
d. Ss	0.295
e. S1	0.061
f. SITE CLASS	D
g. Sds	0.309
h. Sd1	0.098
i. SEISMIC DESIGN CATEGORY	B
j. BASIC SEISMIC FORCE-RESISTING SYSTEM	LIGHT-FRAME WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS
k. RESPONSE MODIFICATION FACTOR	2
l. ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE

5. FLOOD LOAD

   a. AREA OUTSIDE 100 YEAR FLOOD AREA PER FEMA FLOOD INSURANCE MAP #36119C0252F.

6. ROOF RAIN LOAD DATA

   a. RAIN INTENSITY (100 YEAR 60 MIN. DURATION) (i) 2.65 IN/HR.

C. FOUNDATION/EARTHWORK/GEOTECHNICAL REPORT

1. DESIGN DATA:

   a. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT 10983.01 PREPARED BY TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS AND LAND SURVEYORS, DPC 1279 ROUTE 300, 2ND FLOOR, NEWBURGH, NY 12550, DATED 1/25/2022. SEE THIS REPORT FOR ADD'L REQUIREMENTS.

   b. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 4'-0" BELOW 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 3000 PSF. BEARING PRESSURES SHALL BE VERIFIED BY AN EXPERIENCED QUALIFIED GEOTECHINCAL ENGINEER PRIOR TO PLACEMENT OF FOUNDATIONS.

      (3) UNCONTROLLED FILL AND SOFT CLAY IS ANTICIPATED ON THIS SITE. ALL UNCONTROLLED FILL AND CLAY UNDERNEATH AND WITHIN 10' OF THE BUILDING PAD SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL. SEE THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

3. GENERAL

   a. SEE THE SPECIFICATIONS AND GEOTECHNICAL REPORT FOR EXCAVATION, DEWATERING AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION PROCEDURES. REQUIREMENTS CONTAINED IN THE GEOTECHNICAL REPORT ARE PART OF THIS WORK.

   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 AND EXISTING FOUNDATION ELEVATION DATA. PRIOR TO PLACING FOUNDATIONS, AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER SHALL MAKE DETERMINATION OF FINAL BEARING ELEVATIONS AND VERIFICATION OF ALLOWABLE BEARING PRESSURE. CONCRETE FOR FOUNDATIONS SHALL BE POURED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.

   f. 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.

   g. 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.

   h. ALL SHORING, SHEETING, AND DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S 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. 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 AND GEOTECHNICAL REPORT 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 STATE OF NEW YORK.

   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) PRE-ENGINEERED WOOD BUILDING AND RELATED CONNECTIONS: THE SUBMITTED DRAWINGS SHALL CLEARLY SHOW THE LOAD REACTIONS AS APPLIED TO THE BUILDING FOUNDATIONS.

   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	F'c 28 DAYS	WIEGHT (PCF)	W/C(MAX)*
SLABS-ON-GRADE	4000	145	0.45
FOOTINGS	3000	145	0.55

   *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)

   e. AIR: ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED (5%±) (1-1/2%) BY VOLUME. ENTRAINING ADMIXTURE TO COMPLY WITH ASTM C260.

   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	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) NON-POST-TENSIONED CONCRETE:

*CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
*CONCRETE EXPOSED TO EARTH OR WEATHER	
#6 BARS AND LARGER	2"
#5 BARS AND SMALLER	1-1/2"
*CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND SLABS, WALLS AND JOISTS:	
#11 BARS AND SMALLER	3/4"
*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 OTHERWISE 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 OVER A VAPOR BARRIER (INTERIOR SLABS ONLY) ON A MINIMUM 6" LAYER OF CLEAN, WELL-GRADED GRAVEL OR CRUSHED STONE CONFORMING TO THE SPECIFICATIONS AND GEOTECHNICAL REPORT OVER PROPERLY COMPACTED SUBGRADE.

4. INSPECTION AND TESTING

   a. REFER TO SPECIFICATION SECTIONS 014000, 014100 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	-NORMAL WEIGHT
b. MORTAR	ASTM C270	-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 BOND BEAMS WITH (2) #5 HORIZONTAL REINFORCEMENT CONTINUOUS IN ALL MASONRY WALLS AT EACH FRAMING LEVEL, AND TOP OF WALL UNLESS NOTED OTHERWISE.

   c. 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.

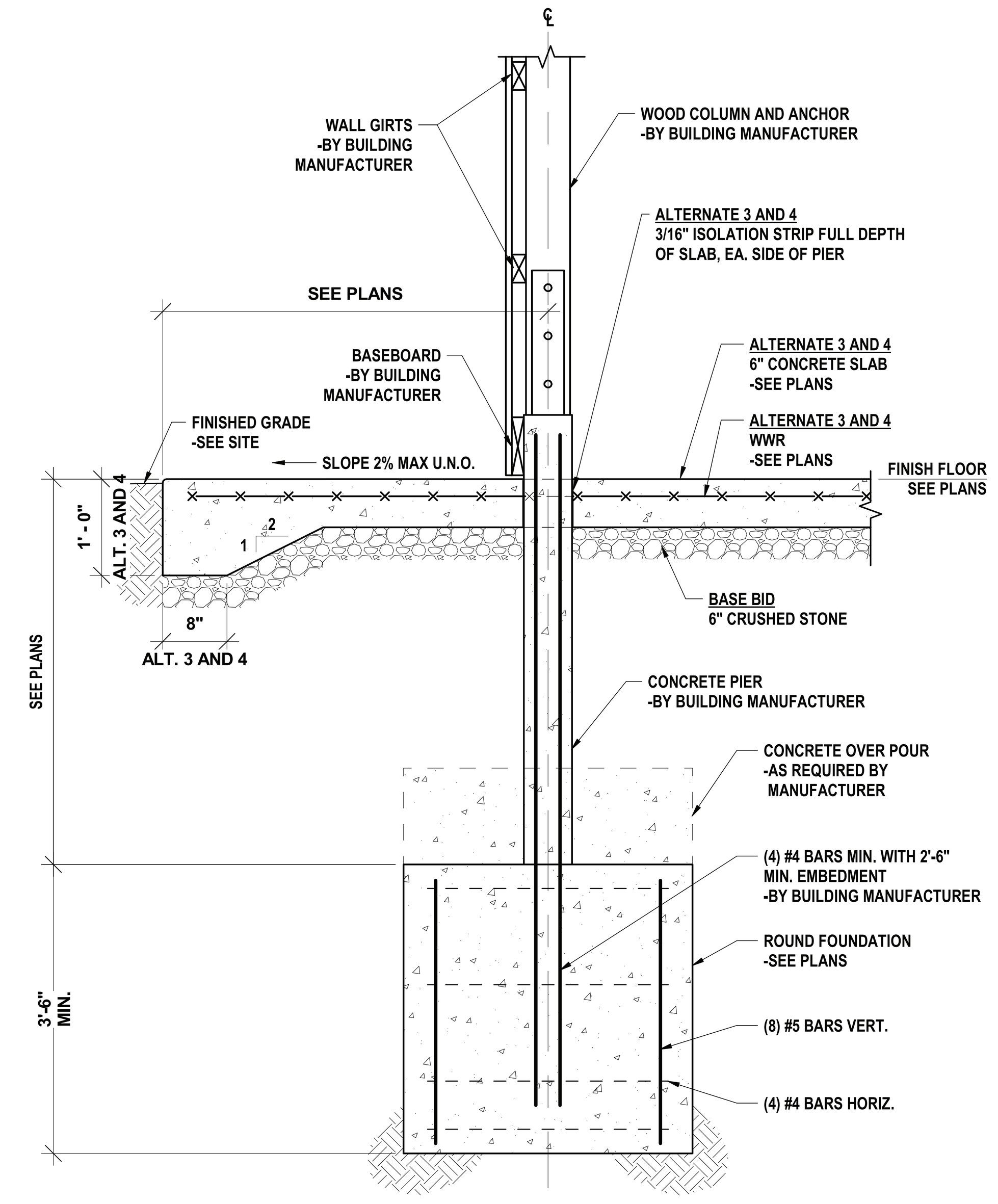
   d. LAP SPLICES FOR DEFORMED REINFORCING BARS USED IN MASONRY CONSTRUCTION SHALL BE 50 BAR DIAMETERS.

   e. SUBMIT GROUT MIX DESIGN AND MASONRY UNIT CERTIFICATIONS TO THE STRUCTURAL ENGINEER FOR APPROVAL.

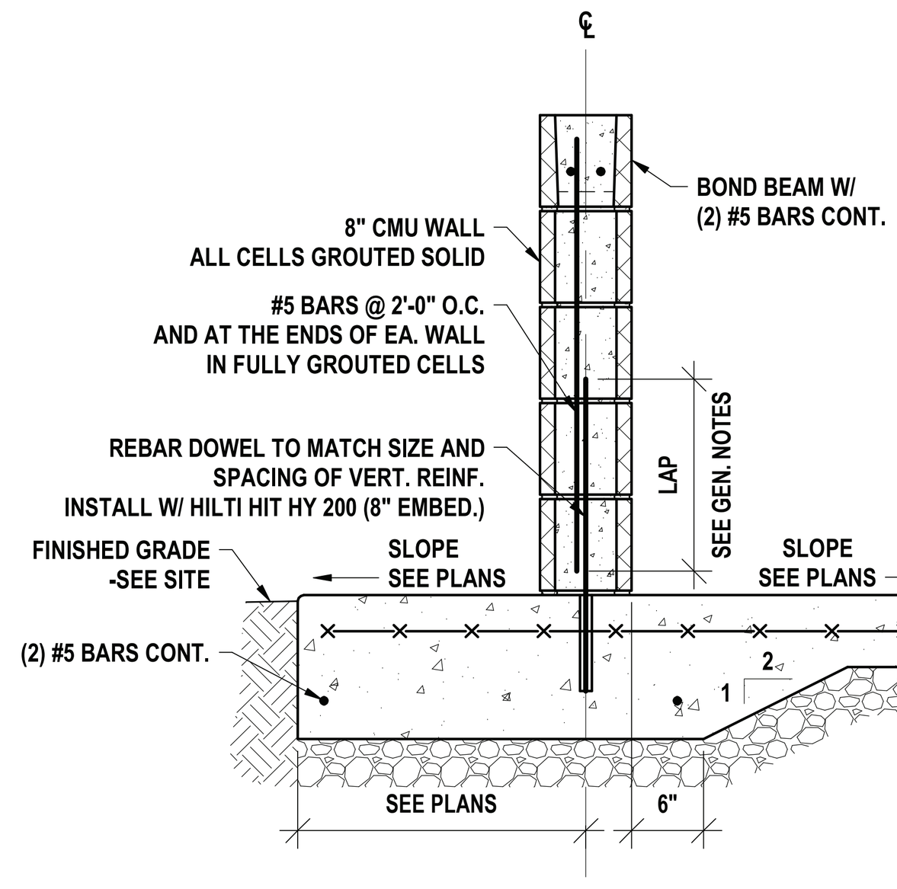
   f. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SUPPORT FOR ALL MASONRY WORK UNTIL PERMANENT CONSTRUCTION IS IN PLACE.

4. INSPECTION AND TESTING

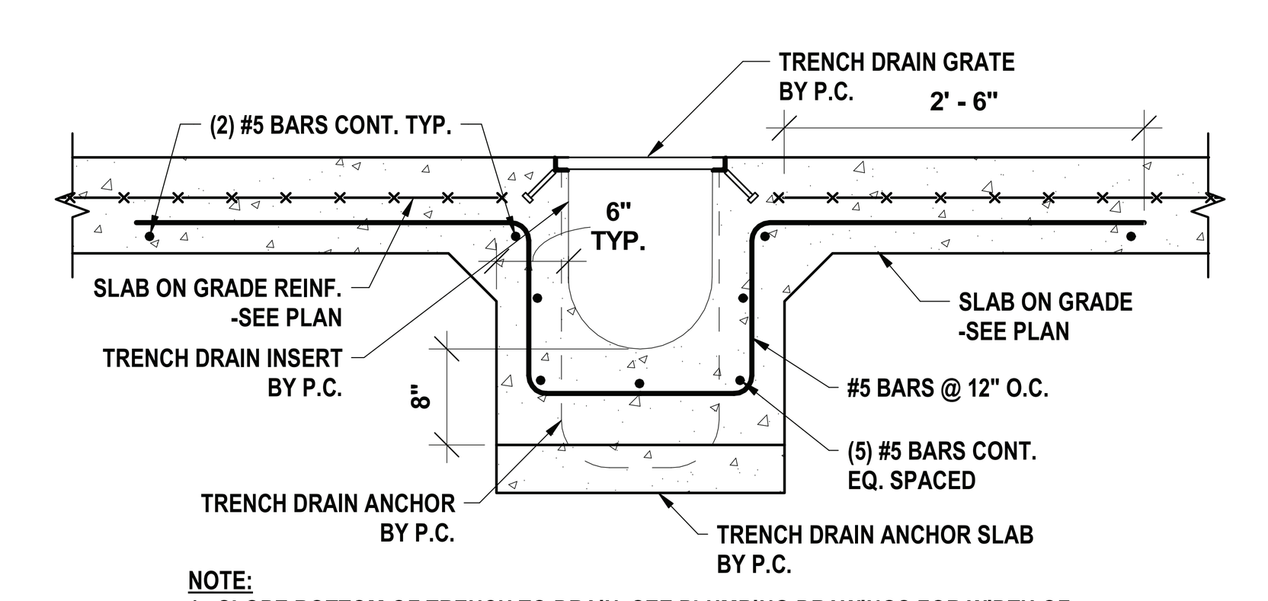
   a. REFER TO SPECIFICATION SECTIONS 01 40 00, 01 41 00 AND 04 20 00.



5 FOUNDATION DETAIL TYP.
3/4" = 1'-0"

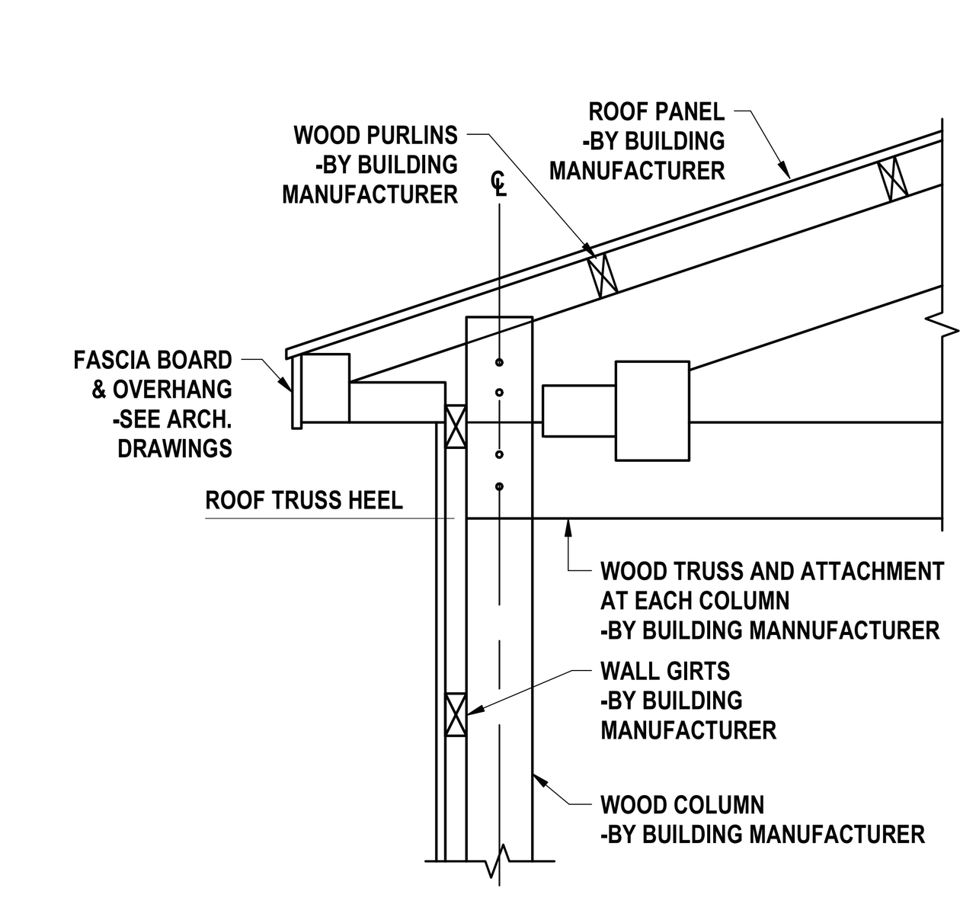


9 ALTERNATE 3 CMU WALL
3/4" = 1'-0"

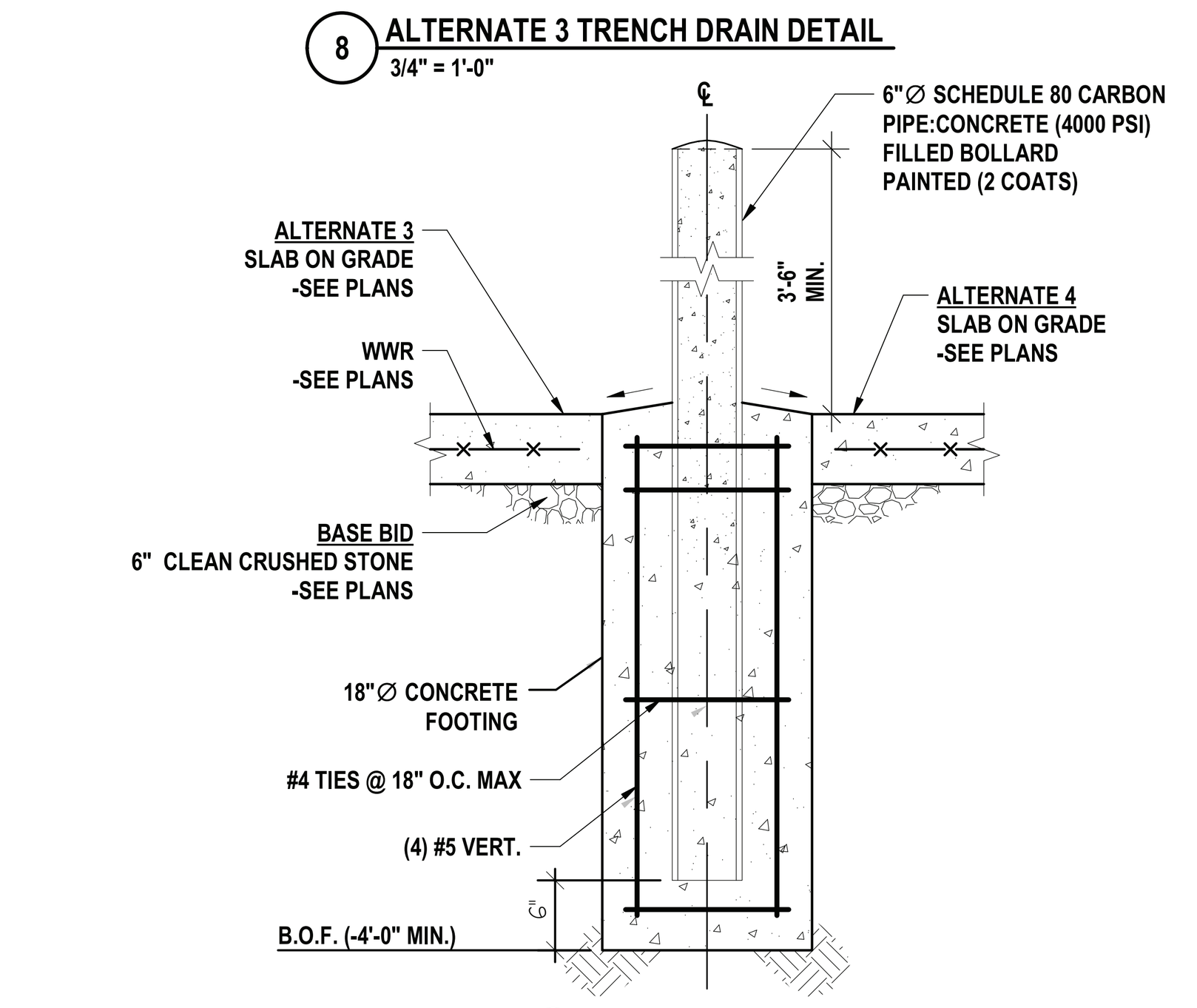


NOTE:
1. SLOPE BOTTOM OF TRENCH TO DRAIN. SEE PLUMBING DRAWINGS FOR WIDTH OF TRENCH (1'-0" MAX.).

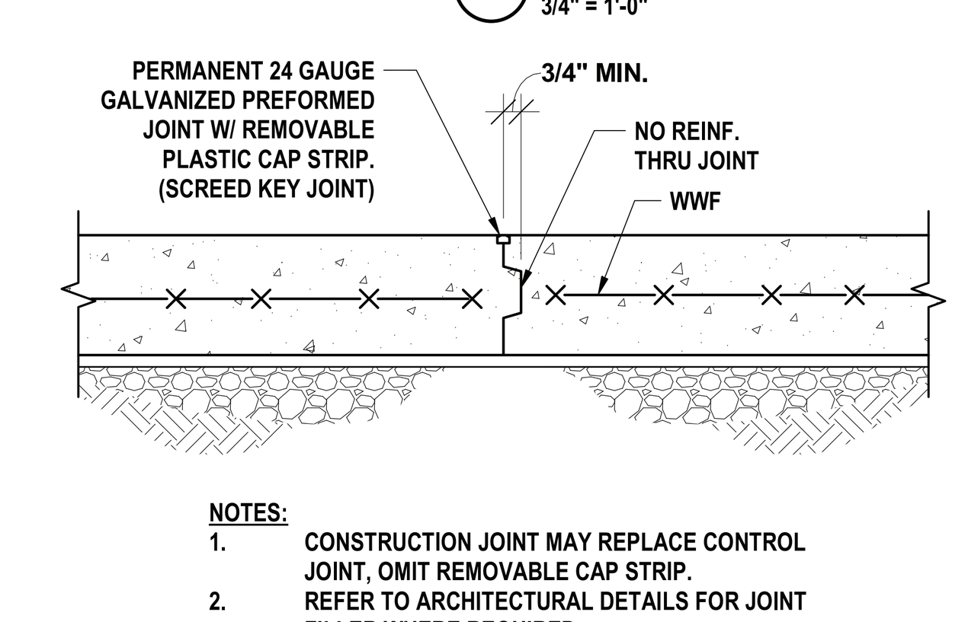
8 ALTERNATE 3 TRENCH DRAIN DETAIL
3/4" = 1'-0"



7 TRUSS CONNECTION
3/4" = 1'-0"

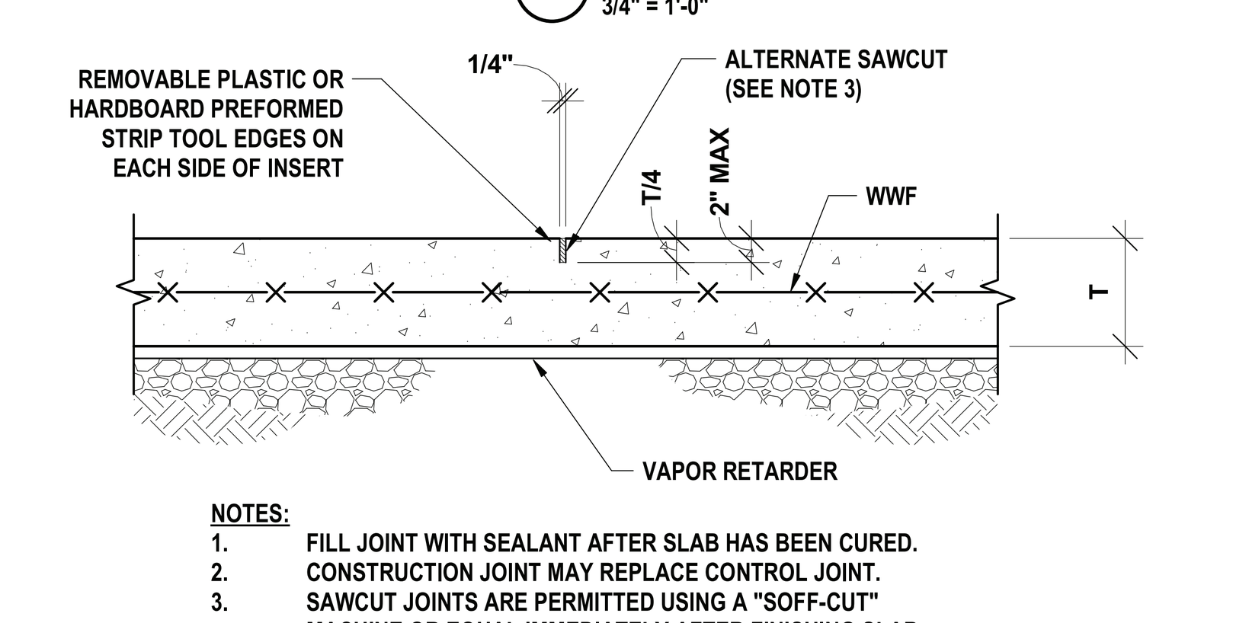


6 BOLLARD FOOTING
3/4" = 1'-0"



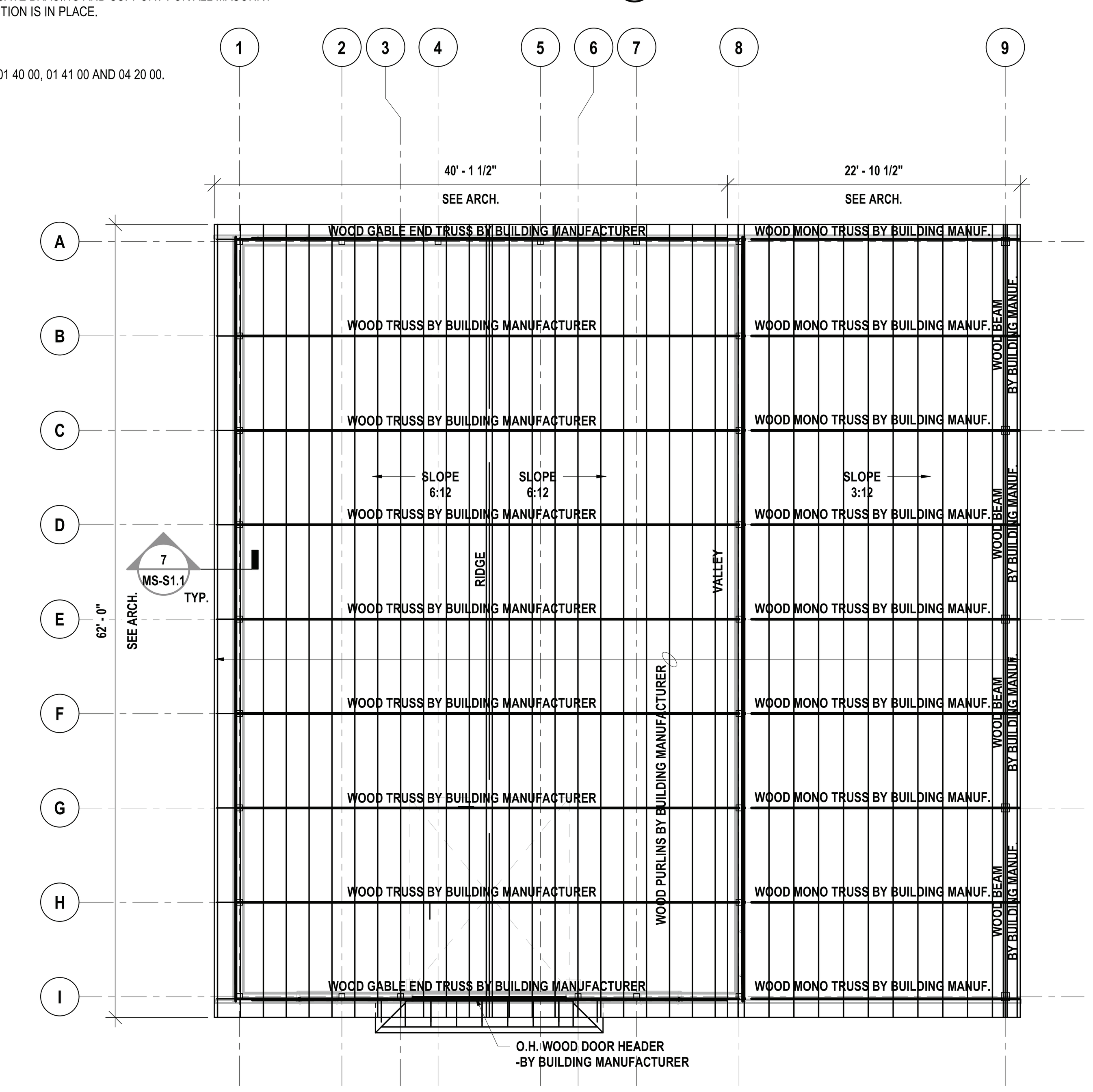
NOTES:
1. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT, OMIT REMOVABLE CAP STRIP.
2. REFER TO ARCHITECTURAL DETAILS FOR JOINT FILLER WHERE REQUIRED.

4 ALTERNATE 3 AND 4 SLAB ON GRADE CONSTRUCTION JOINT
1 1/2" = 1'-0"



NOTES:
1. FILL JOINT WITH SEALANT AFTER SLAB HAS BEEN CURED.
2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.
3. SAWCUT JOINTS ARE PERMITTED USING A "SOFF-CUT" MACHINE OR EQUAL IMMEDIATELY AFTER FINISHING SLAB.

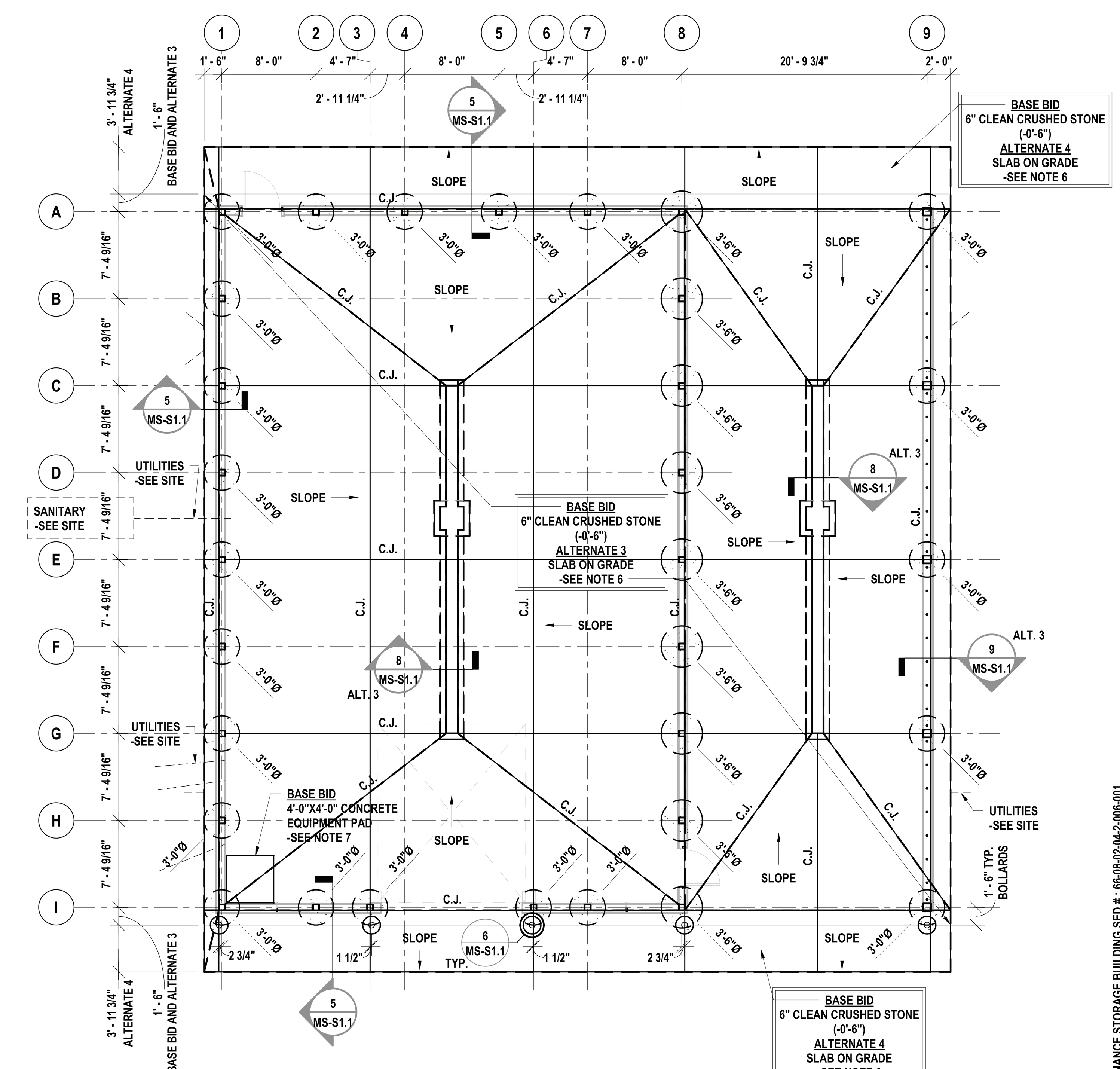
3 ALTERNATE 3 AND 4 SLAB ON GRADE CONTROL JOINT
1 1/2" = 1'-0"



2 ROOF FRAMING PLAN - MAINTENANCE BUILDING
1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. GABLE ROOF TRUSS HEEL ELEVATION: (EL.= +18'-6") 437.65', MONO ROOF TRUSS HEEL ELEVATION: (EL.= +14'-0") 433.15'
2. TRUSS SPACING SHALL BE IN ACCORDANCE WITH BUILDING MANUFACTURER'S SPECIFICATIONS.
3. GABLE ROOF SLOPE = 6" PER FOOT, SEE ARCHITECTURAL DRAWINGS.
4. MONO ROOF SLOPE = 3" PER FOOT, SEE ARCHITECTURAL DRAWINGS.
5. SEE ARCHITECTURAL DRAWINGS FOR WALL, ROOF AND OVERHANG ELEVATIONS.
6. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
7. HEADERS AT DOORWAYS AND WINDOWS SHALL BE PROVIDED BY THE BUILDING MANUFACTURER.
8. SEE THIS SHEET FOR STRUCTURAL GENERAL NOTES.
9. SEE THIS SHEET FOR TYPICAL DETAILS.
10. SEE ARCH. FOR TRUSS PROFILES.



1 FOUNDATION PLAN - MAINTENANCE BUILDING
1/8" = 1'-0"

CONTRACTOR NOTE:

FOUNDATION DESIGN AND GRID LAYOUT ON THIS DRAWING IS BASED ON ESTIMATED LOADING AND LAYOUT. FOUNDATION DESIGN MAY NEED TO BE REVISED FOR FINAL BUILDING SYSTEM. BUILDING MANUFACTURER MAY REQUIRE CHANGES TO FRAME LAYOUT.

CONTRACTORS BID SHALL INCLUDE ALL DESIGN MODIFICATIONS REQUIRED BY FINAL BUILDING DESIGN FROM WOOD BUILDING MANUFACTURER.

DESIGN OF PIER AND FOOTING SHALL BE VERIFIED UPON REVIEW OF FINAL COLUMN SIZE, LOCATION AND REACTION FROM BUILDING MANUFACTURER.

FOUNDATION PLAN NOTES:

1. TOP OF FINISH FLOOR ELEVATION (ALTERNATE 3): (EL.= 0'-0") 419.15'.
2. TOP OF FOOTING ELEVATION = (-4'-0").
3. COLUMNS SHALL BE CENTERED ON SONOTUBE FOUNDATIONS.
4. SEE THIS SHEET FOR STRUCTURAL GENERAL NOTES.
5. SEE THIS SHEET FOR TYPICAL DETAILS.
6. BASE BID: 6" CLEAN CRUSHED STONE (-0'-6").

   ALTERNATE 3: AIR ENTRAINED 6" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6xW2.9xW2.9 WWF. PROVIDE 1/8" PER FOOT SLOPE TO TRENCH DRAINS, COORDINATE LOCATIONS WITH PLUMBING AND ARCHITECTURAL DRAWINGS. PROVIDE 2% MAX SLOPE AWAY FROM BUILDING AT EXTERIOR PERIMETER APRON.

   ALTERNATE 4: AIR ENTRAINED 6" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6xW2.9xW2.9 WWF. PROVIDE 2% MAX SLOPE AWAY FROM BUILDING.
7. AIR ENTRAINED 6" FIBER REINFORCED SLAB ON GRADE ADDITIONALLY REINFORCED WITH 6x6xW2.9xW2.9 WWF.

N

DRAWN BY:	DSL
CHECKED BY:	NGB
DATE:	11/14/2022
SCALE:	As indicated

#	DATE:	DESCRIPTION OF REVISION:	BY:

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868

CENTRAL SCHOOL SED # : 66-08-02-04-0-001-039, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-2-006-001

STRUCTURAL GENERAL NOTES, PLANS AND DETAILS
PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-S1.1

PROJECT NO: 3288.004

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 THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.

D 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.

E PROVIDE SOLID WOOD BLOCKING OR METAL STRAPPING AS REQUIRED IN METAL STUD WALLS AT ALL WALL MOUNTED EQUIPMENT AND ACCESSORIES INCLUDING FURNITURE FIXTURES AND EQUIPMENT. COORDINATE WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.

F ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION & TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.

G ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE.

H 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.

I THE WHEELCHAIR SYMBOL INDICATES HANDICAP ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABO/ANSI A117.1 AND ADAAG.

J 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.

PLAN DRAWING NOTES - MAINTENANCE STORAGE BUILDING:

MS-1 BASE BID: PROVIDE GRAVEL SUB-BASE; SEE S-DWGS FOR MORE DETAILS; ALTERNATE 3: PROVIDE 6" CONCRETE SLAB ON GRADE; SEE S-DWGS FOR MORE DETAILS.

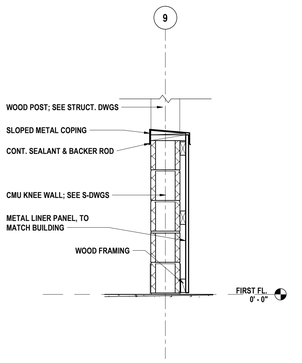
MS-2 BASE BID: PROVIDE GRAVEL SUB-BASE ONLY AT SIDEWALK LOCATIONS, SEE S-DWGS FOR MORE DETAILS; ALTERNATE 4: PROVIDE 6" CONCRETE SLAB ON GRADE SIDEWALK, SEE S-DWGS FOR MORE DETAILS.

MS-3 CONCRETE EQUIPMENT PAD, SEE S-DWGS AND L-DWGS.

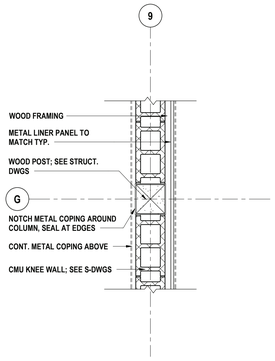
MS-4 6" BOLLARD, SEE S-DWGS.

MS-5 ALTERNATE 3: TRENCH DRAIN, SEE S-DWGS AND P-DWGS.

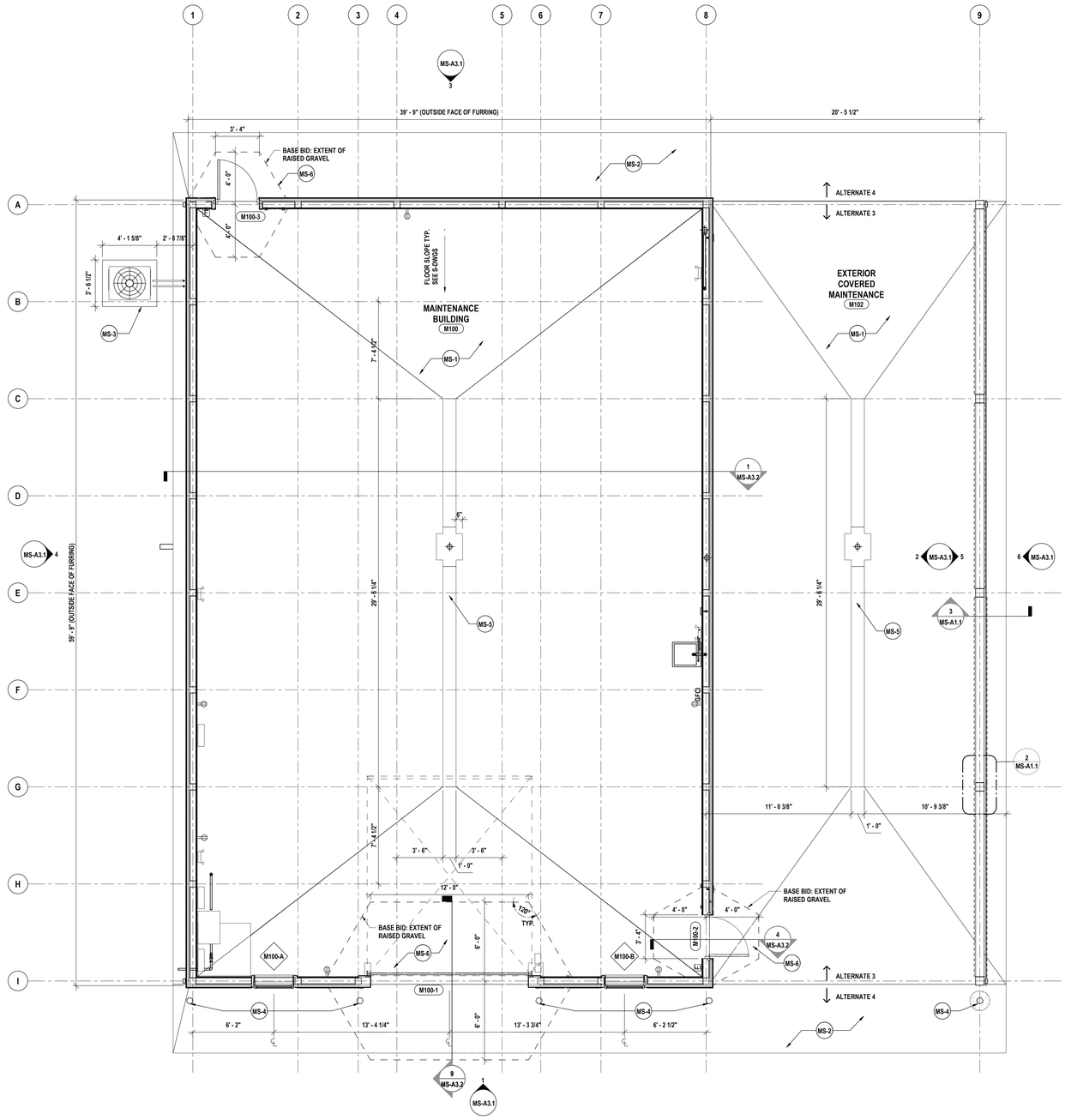
MS-6 BASE BID: PROVIDE SLOPED GRAVEL AREA UP TO BOTTOM OF DOOR ON EXTERIOR AND INTERIOR TO EXTENTS SHOWN ON PLAN. SEE ARCHITECTURAL DETAILS FOR MORE INFORMATION. ALTERNATE 3 & 4: PROVIDE CONCRETE SLAB ON GRADE AS NOTED ELSEWHERE.



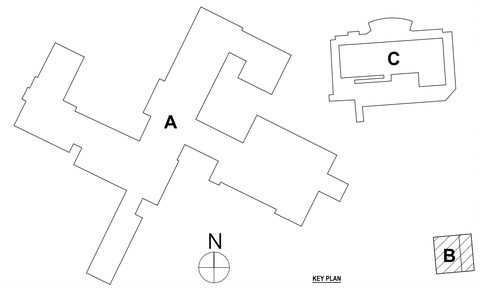
3 ALTERNATE 3: CMU KNEE WALL SECTION DETAIL
3/4" = 1'-0"



2 ALTERNATE 3: ENLARGED CMU KNEE WALL PLAN
3/4" = 1'-0"



1 FLOOR PLAN - MAINTENCE BUILDING
1/4" = 1'-0"



KEY PLAN

DRAWN BY:	JJH
CHECKED BY:	KES/MWJ
DATE:	10/12/2022
SCALE:	As indicated

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/2022	ISSUED FOR BID	

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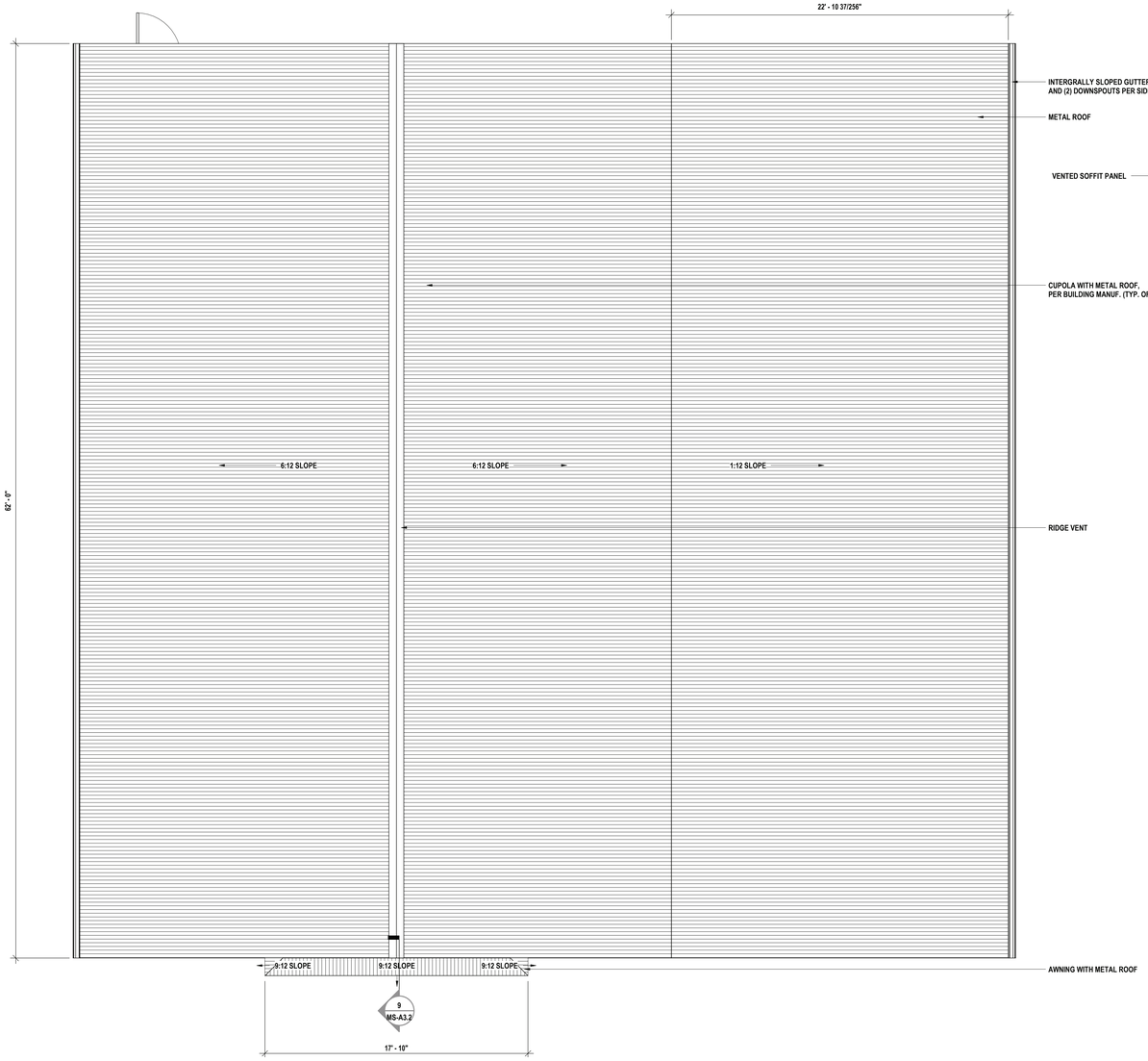
FLOOR PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

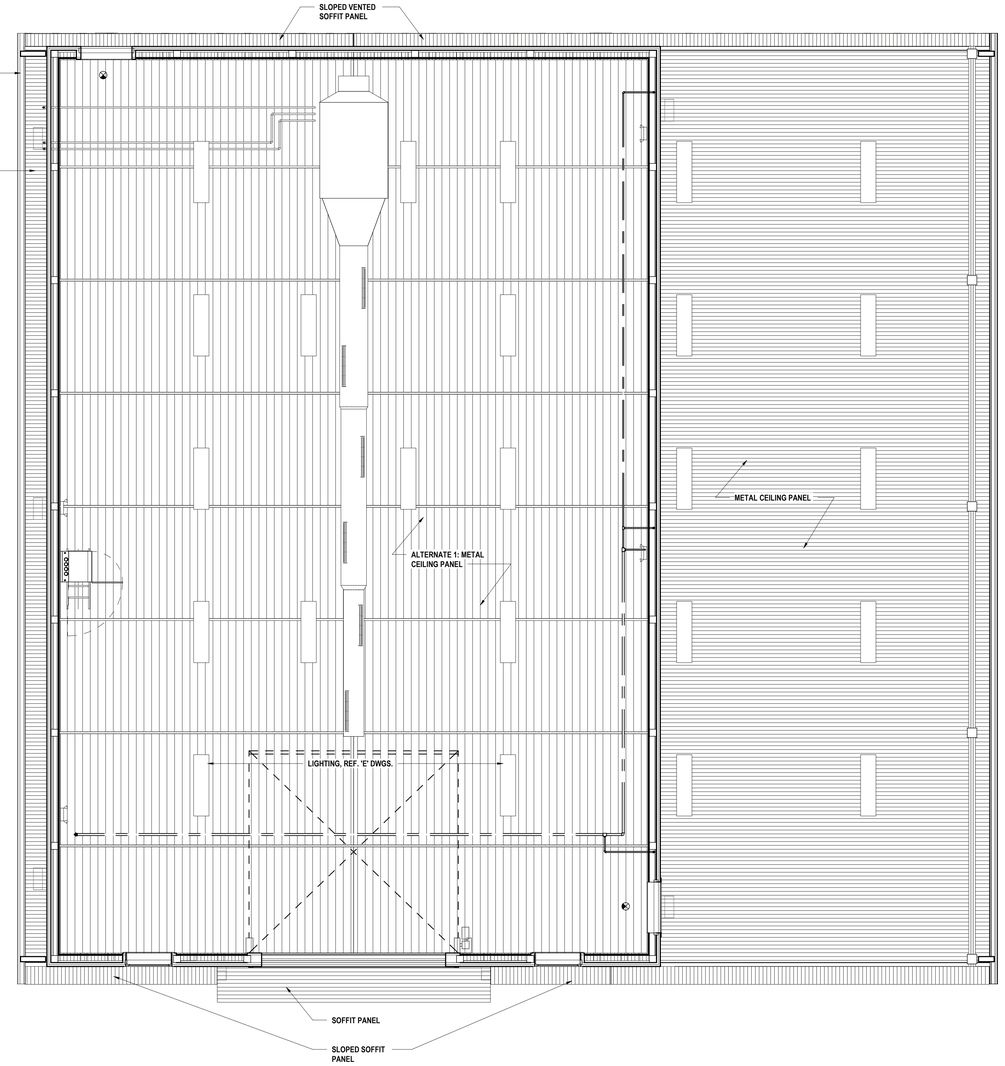
ISSUED FOR BID; CENTRAL SCHOOL SED # : 66-08-02-04-0-001-003, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-2-006-001

MS-A1.1

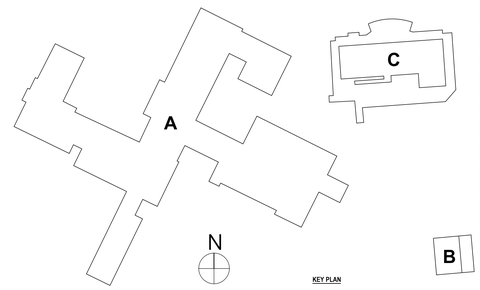
PROJECT NO: 3288.004



1 ROOF PLAN - MAINTENCE BUILDING
1/4" = 1'-0"



2 CEILING PLAN - MAINTENANCE BUILDING
1/4" = 1'-0"



KEY PLAN

DRAWN BY:	JJH
CHECKED BY:	KES/MWJ
DATE:	10/12/2022
SCALE:	1/4" = 1'-0"

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/2022	ISSUED FOR BID	

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

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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ROOF AND CEILING PLAN

PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
589 BEDFORD RD, SLEEPY HOLLOW, NY 10591

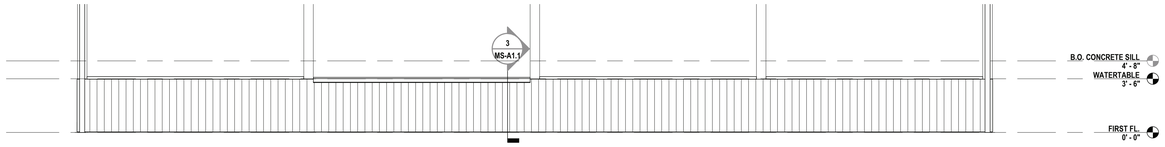
ISSUED FOR BID: CENTRAL SCHOOL SED # : 66-08-02-04-0-001-030, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-006-001

MS-A2.1

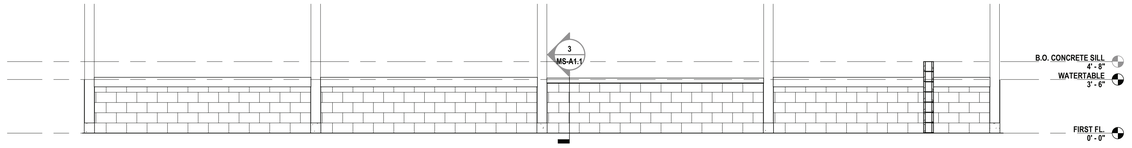
PROJECT NO: 3288.004

EXTERIOR ELEVATION DRAWING NOTES:

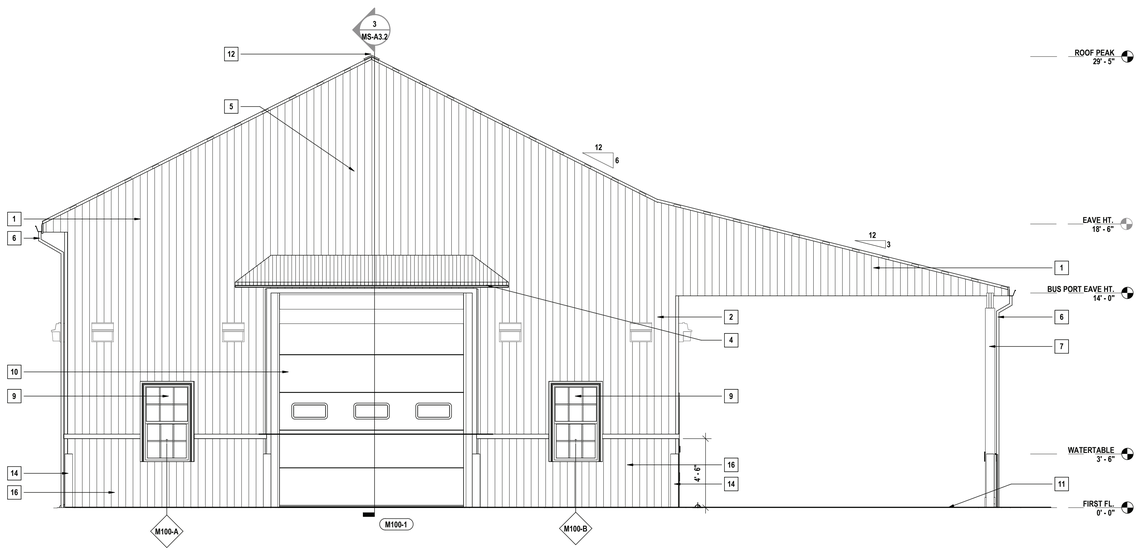
1. METAL ROOF PER PRE ENGINEERED BUILDING MANUF.
2. EXTERIOR METAL WALL PANELS PRE BUILDING MANUF
3. CUPOLA PER BUILDING MANUF.
4. AWNING PER BUILDING MANUF.
5. 3" x 5" DECORATIVE WOOD TRIM
6. GUTTER AND DOWNSPOUT
7. WOOD POST PER BUILDING MANUF
8. INSULATED METAL DOOR
9. DBL. HUNG INSULATED WINDOW
10. 12' x 12' INSULATED O.H. DOOR
11. 6" CONCRETE SLAB
12. RIDGE VENT
13. HOSE BIB, REF 'P' DWGS.
14. BOLLARDS TYP. OF (5), REF. 'S' DWGs
15. PRECAST CONCRETE SILL
16. STONE WATERTABLE (ALT-1)



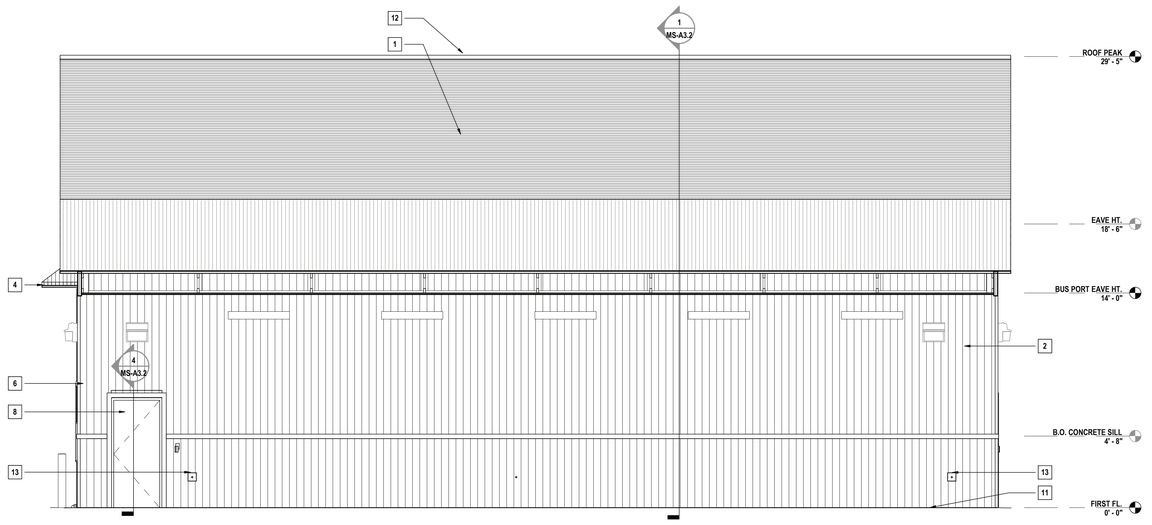
6 COVER BUS MAINTENANCE KNEE WALL RIGHT ELEVATION
1/4" = 1'-0"



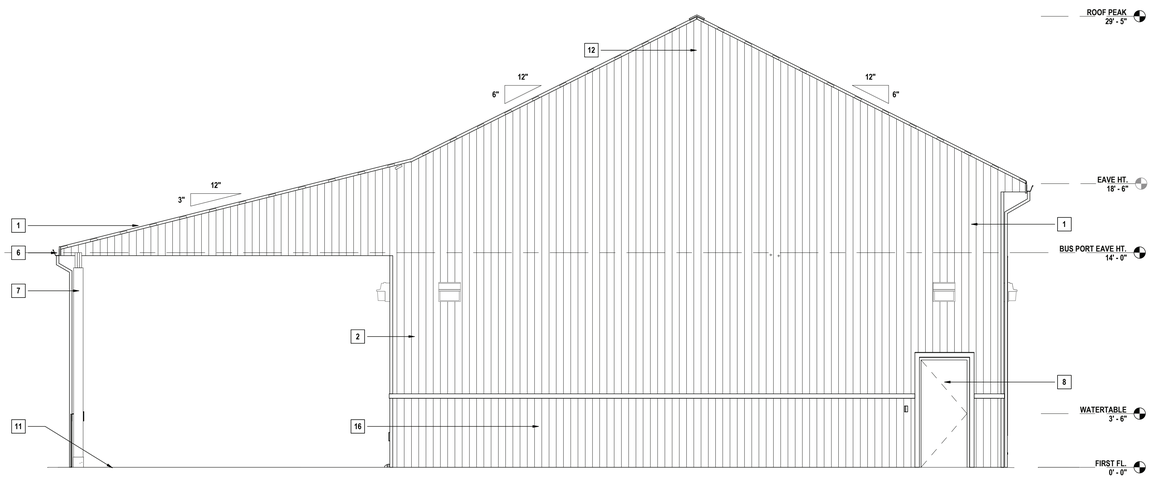
5 COVERED BUS MAINTENANCE KNEE WALL LEFT ELEVATION
1/4" = 1'-0"



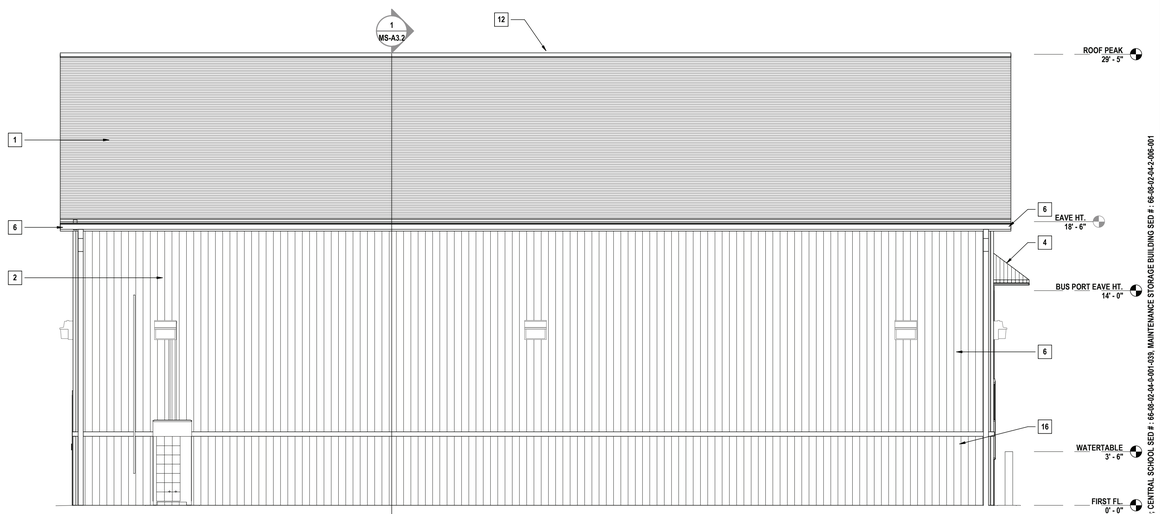
1 FRONT ELEVATION
1/4" = 1'-0"



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



3 REAR ELEVATION
1/4" = 1'-0"



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

DRAWN BY:	JJH
CHECKED BY:	KES/MWJ
DATE:	10/12/2022
SCALE:	1/4" = 1'-0"

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/2022	ISSUED FOR BID	

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7040 TOWANDA, PA 570 - 265 - 4868

ISSUED FOR BID; CENTRAL SCHOOL SED # 66-08-02-04-0-001-033, MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-006-001

EXTERIOR ELEVATIONS

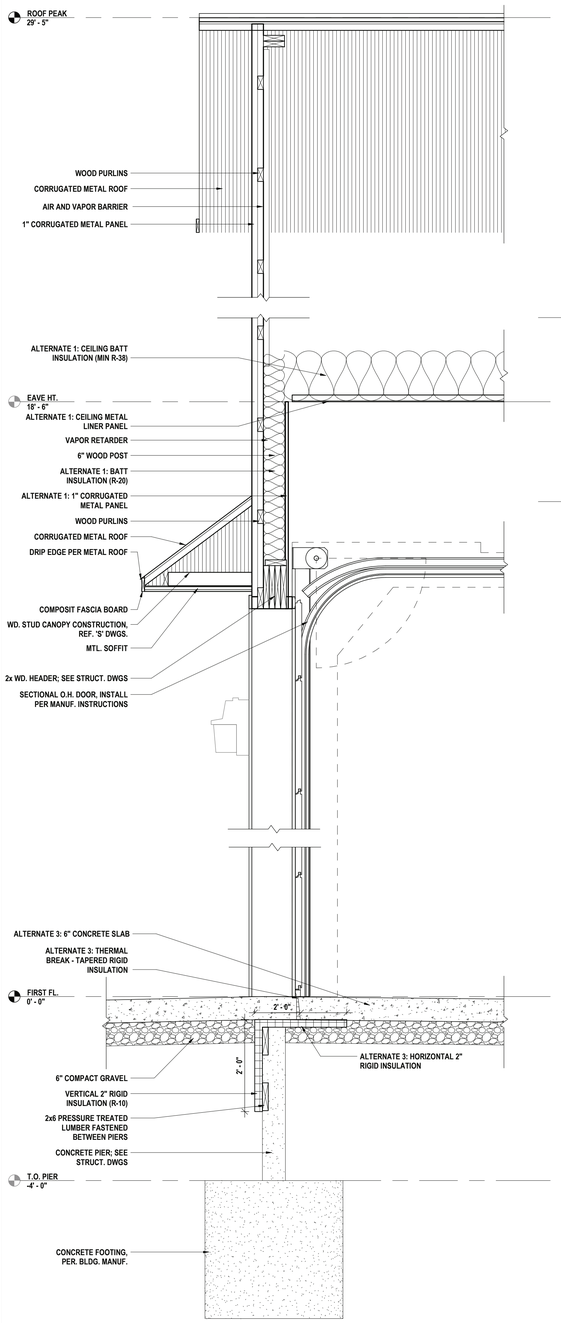
PHASE 1A - CAPITAL IMPROVEMENTS

POCANTICO HILLS CSD

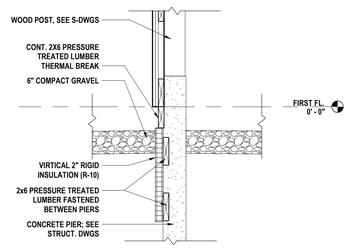
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-A3.1

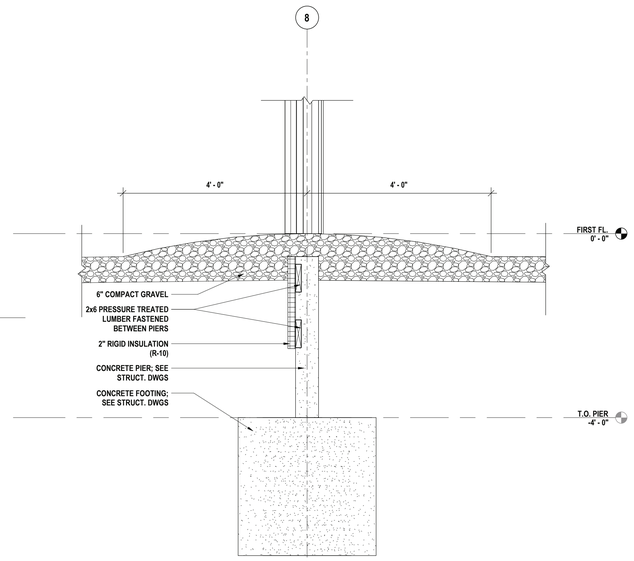
PROJECT NO: 3288.004



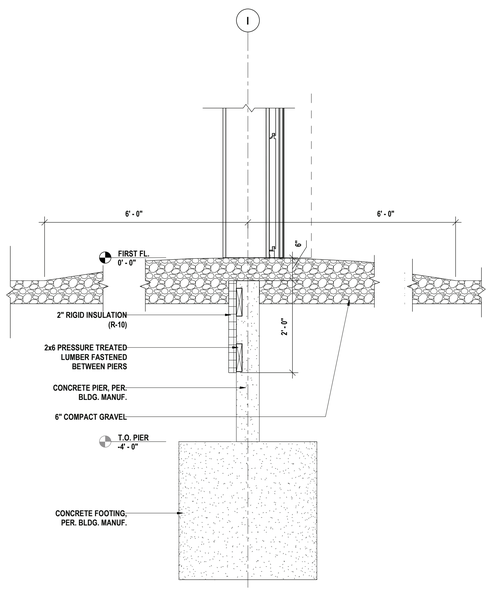
3 **OVERHEAD DOOR SECTION**
3/4" = 1'-0"



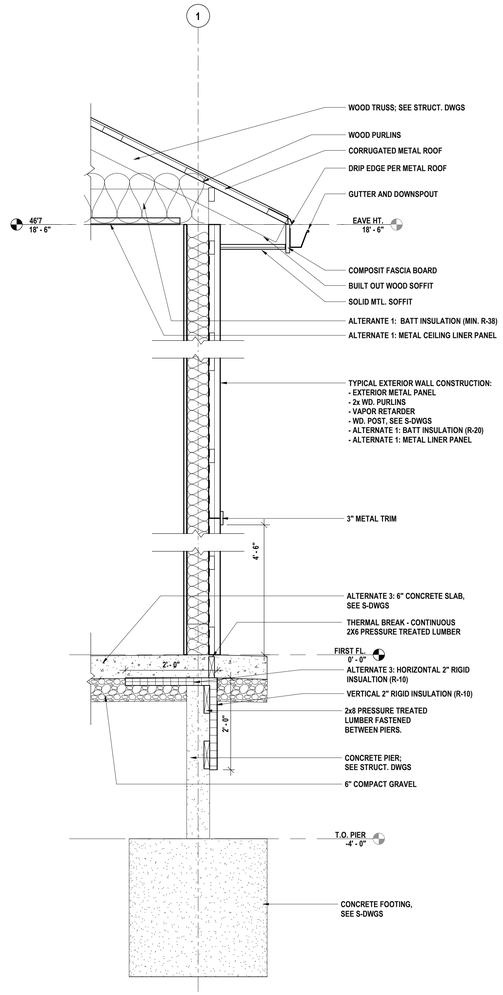
7 **BASE BID - TYP. THERMAL BREAK DETAIL**
3/4" = 1'-0"



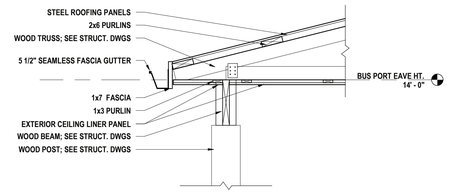
4 **BASE BID - GRAVEL INFILL DETAIL @ MAN DOOR**
3/4" = 1'-0"



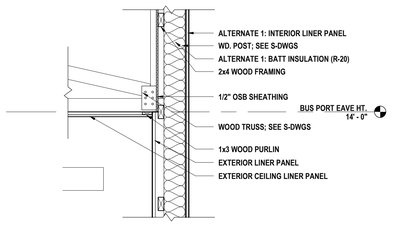
9 **BASE BID - GRAVEL INFILL DETAIL @ OVERHEAD DOOR**
3/4" = 1'-0"



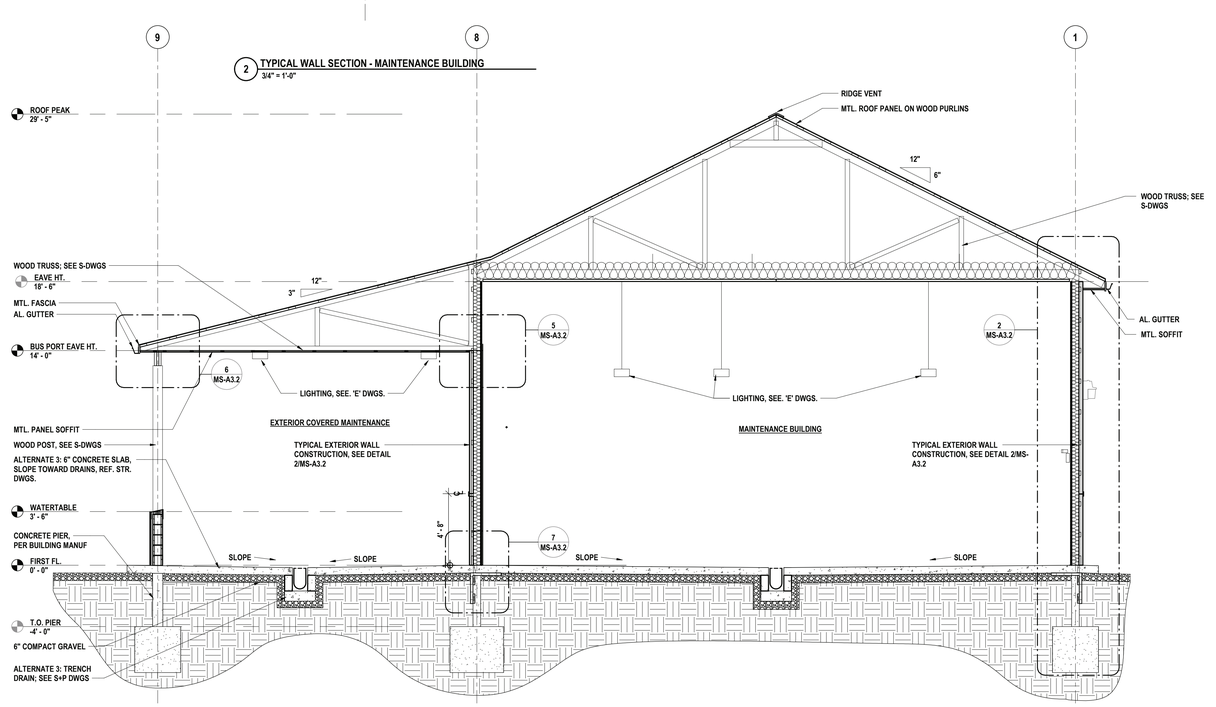
2 **TYPICAL WALL SECTION - MAINTENANCE BUILDING**
3/4" = 1'-0"



6 **BUS WASH TRUSS CONNECTION DETAIL 2**
3/4" = 1'-0"



5 **BUS WASH TRUSS CONNECTION DETAIL**
3/4" = 1'-0"



1 **LEFT TO RIGHT BUILDING SECTION - MAINTENANCE BUILDING**
1/4" = 1'-0"

DRAWN BY:	JJH	
CHECKED BY:	KES/MWJ	
DATE:	10/12/2022	
SCALE:	As indicated	

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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7040 TOWANDA, PA 570 - 265 - 4868

ISSUED FOR BID; CENTRAL SCHOOL SED? # 66-08-02-04-0-001-030; MAINTENANCE STORAGE BUILDING SED # 66-08-02-04-0-006-001

BUILDING SECTIONS AND DETAILS

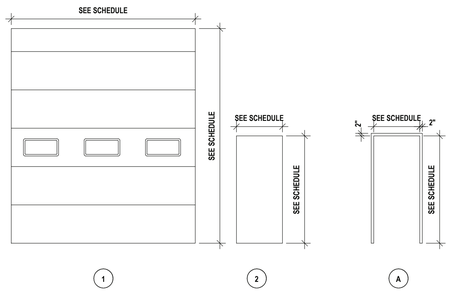
PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
569 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-A3.2

PROJECT NO: 3288.004

DOOR SCHEDULE

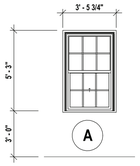
#	DOOR				ASSEMBLY	GLAZING	HDWR	FRAME			DETAIL			NOTES
	TYPE	SIZE	THICK.	MATL.	FINISH	LABEL	MATL.	SET	TYPE	MATL.	FINISH	HEAD	JAMB	SILL	
M100-1	1	12' - 0" x 14' - 0"	2"	STL	PNT	N/A	PER SPEC	N/A		STL	N/A	5/MS-A6.1		5/MS-A6.1	FINISH PER MFR STANDARD
M100-2	2	3' - 0" x 7' - 0"	1 3/4"	STL	PVDF	N/A	PER SPEC		1	FGL	PVDF	3/MS-A6.1	3/MS-A6.1	4/MS-A6.1	
M100-3	2	3' - 0" x 7' - 0"	1 3/4"	STL	PVDF	N/A	PER SPEC		1	FGL	PVDF	3/MS-A6.1	3/MS-A6.1	4/MS-A6.1	



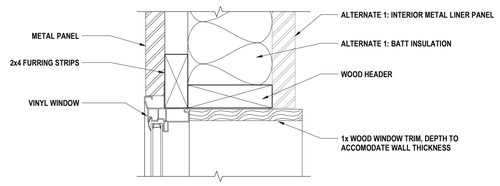
DOOR TYPE **FRAME TYPE**

WINDOW SCHEDULE

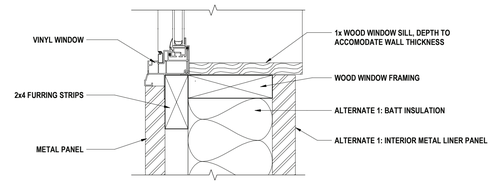
NUMBER	FRAME			GLAZING	DETAIL			NOTES
	WINDOW TYPE	MATERIAL	FINISH		HEAD	JAMB	SILL	
M100-A	A	VINYL	VINYL	PER SPEC	1/MS-A6.1	1/MS-A6.1 SIM	2/MS-A6.1	SINGLE HUNG
M100-B	A	VINYL	VINYL	PER SPEC	1/MS-A6.1	1/MS-A6.1 SIM	2/MS-A6.1	SINGLE HUNG



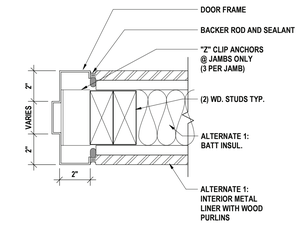
A DOOR & FRAME ELEVATIONS
1/4" = 1'-0"



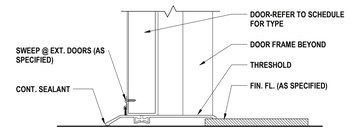
1 WINDOW HEAD DETAIL
3" = 1'-0"



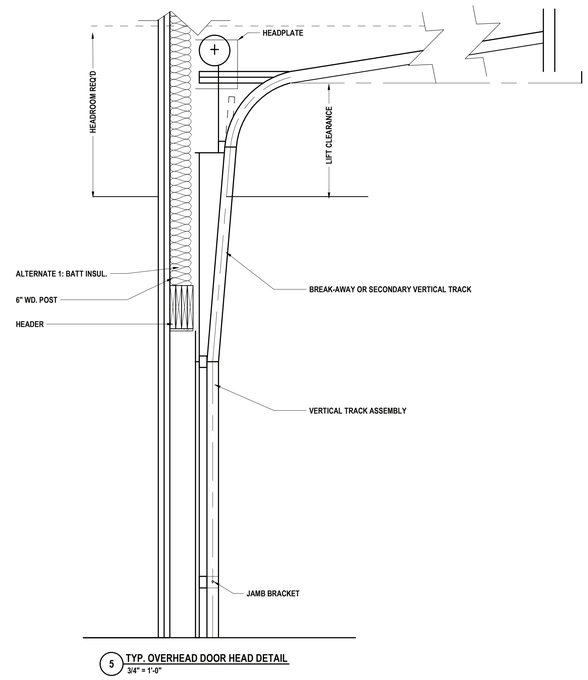
2 WINDOW SILL DETAIL
3" = 1'-0"



3 WALK DOOR HEAD AND FRAME DETAIL
3" = 1'-0"



4 WALK DOOR THRESHOLD DETAIL
3" = 1'-0"



5 TYP. OVERHEAD DOOR HEAD DETAIL
3/4" = 1'-0"

DRAWN BY:	JJH
CHECKED BY:	KES/MWJ
DATE:	10/12/2022
SCALE:	As indicated

#	DATE:	DESCRIPTION OF REVISION:
1	11/14/2022	ISSUED FOR BID

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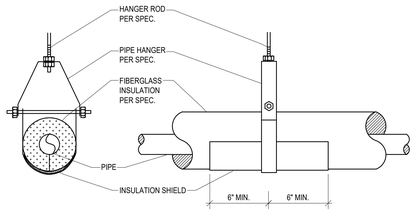
ISSUED FOR BID; CENTRAL SCHOOL SED # : 66-08-02-04-0-001-035, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-2-006-001

DOOR AND WINDOW SCHEDULES

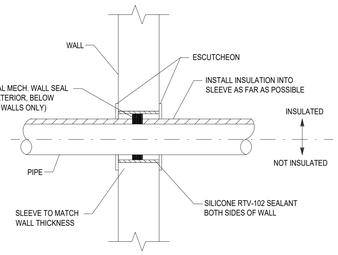
PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-A6.1

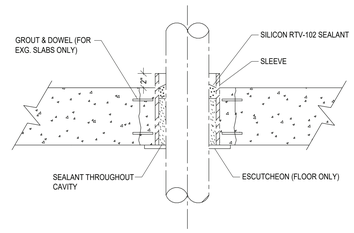
PROJECT NO: 3288.004



3 TYPICAL PIPE HANGER AND SHIELD DETAIL
N.T.S.



2 TYPICAL PIPE THROUGH WALL DETAIL
N.T.S.



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

PLUMBING FIXTURE SCHEDULE

NO.	TYPE	MFG./MODEL	TRIM	REMARKS
TD-1	TRENCH DRAIN, CAST IN-PLACE SYSTEM, RADIUS BOTTOM	ABT, INC. TFX 12" WIDTH (SLOPING)	SERIES 1610 CATCH BASIN, 24" DEPTH, WITH 502 SERIES HIGH INTAKE SLOTTED DUCTILE IRON GRATE	PROVIDE AASHTO M306 RATED SLOTTED GRATE. NOTE B. ALT. #3
P-1	PRESSURE BOOSTER PUMP	GRUNDFOS CMBE TWIN 1-44 I-X-C-B-D-G		COORDINATE PUMP LOCATION. NOTE A. ALT. #2
HYD-1	HYDRANT, EXTERIOR WALL MOUNT IN RECESSED LOCKABLE BOX	ZURN Z-1300	ANTI-SIPHON, NON-FREEZE, AUTOMATIC DRAINING	PROVIDE KEYS TO OWNER. ALT. #2
HYD-2	HYDRANT, INTERIOR WALL MOUNT IN RECESSED LOCKABLE BOX	ZURN Z-1325-PB-VB	ENCASED, VARI-TEMP, NON-FREEZE, ANTI-SIPHON	PROVIDE KEYS TO OWNER. ALT. #2
EW-1	EYEWASH, EMERGENCY, ADA COMPLIANT	HAWS 7610	DECK MOUNT	PROVIDE TEMPERED WATER BLENDING SYSTEM, HAWS MODEL 9201EFE.
CO-1	CLEANOUT, FLOOR	ZURN Z1400	ADJUSTABLE TOP	PROVIDE POLISHED BRONZE TOP REFER TO PLAN FOR PIPE SIZE. NOTE C. ALT. #2

NOTES:

A. REFER TO PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE.

B. 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.

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

PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE

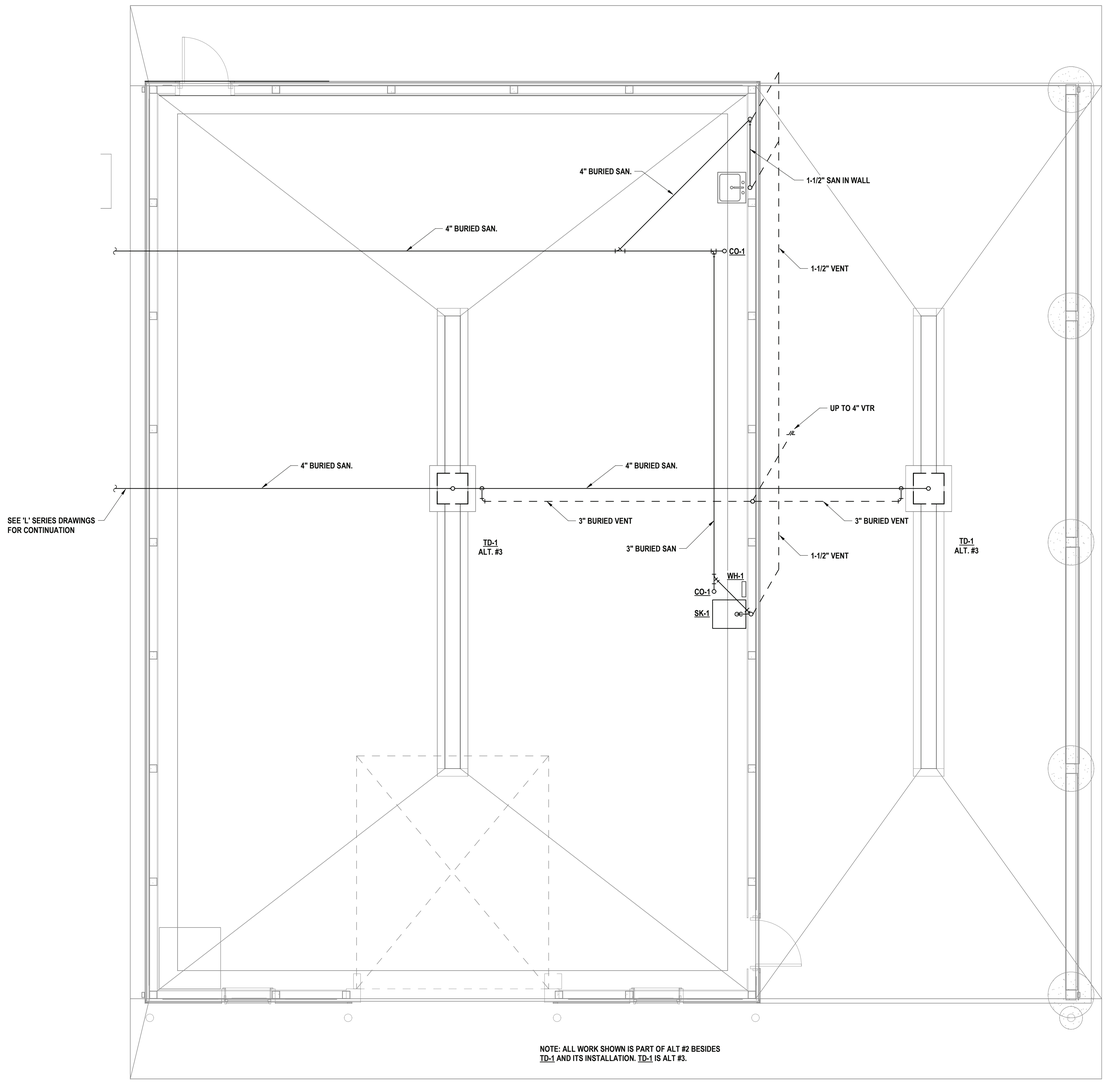
NO.	TYPE	ELECTRICAL COMPONENT	VOLTS	PHASE	FULL LOAD AMPS	MINIMUM CIRCUIT AMPACITY	MAXIMUM OVER-CURRENT PROTECTION	POWER	RPM	GPM	HEAD FEET	REMARKS
WH-1	WATER HEATER, ELECTRIC, TANKLESS	OPERATING SYSTEM	277	SINGLE	22.0	NA	30.0	NA	NA	NA	NA	NOTE A, B.
P-1	PRESSURE BOOSTER PUMP	OPERATING SYSTEM	115	SINGLE	NA	NA	NA	1 HP	3780	15	70	NOTE A, C.

NOTES:

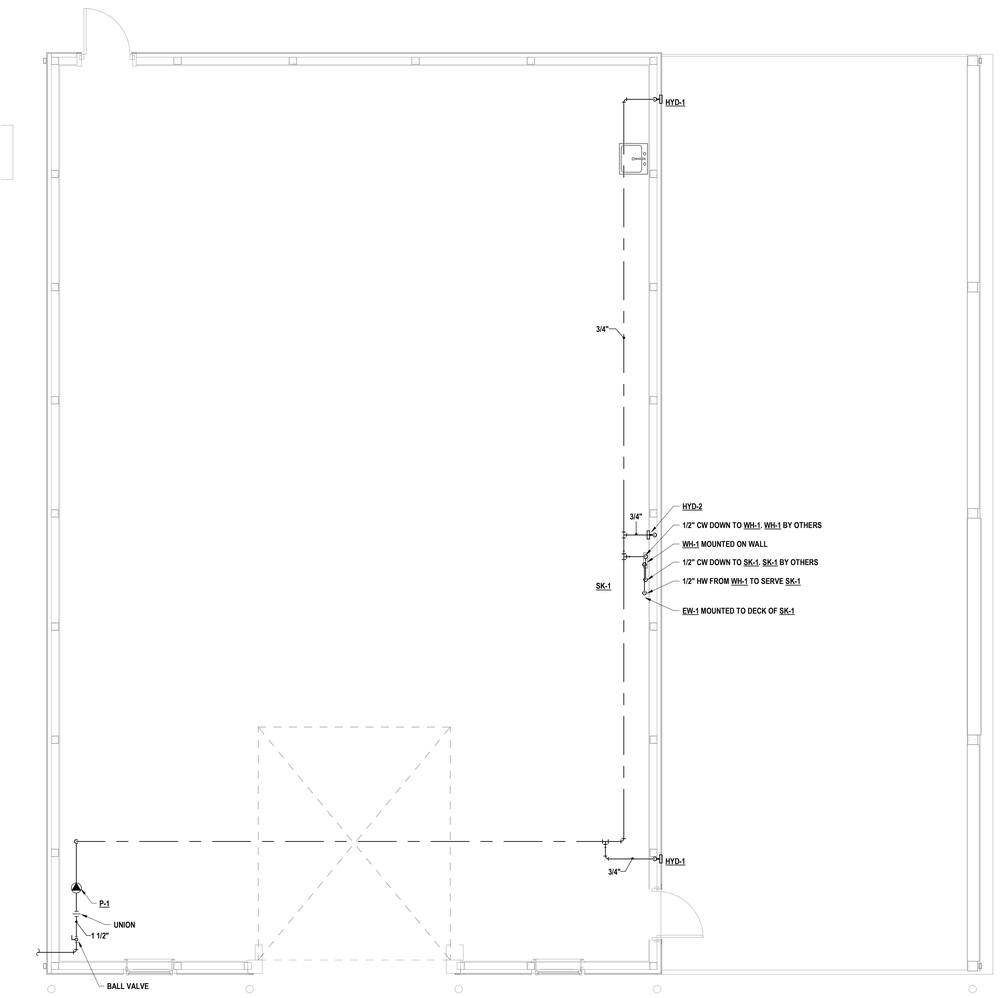
A. COORDINATE POWER WITH ELECTRICAL CONTRACTOR.

B. COORDINATE INSTALLATION OF TANKLESS WATER HEATER, WH-1, BELOW SINK, SK-1.

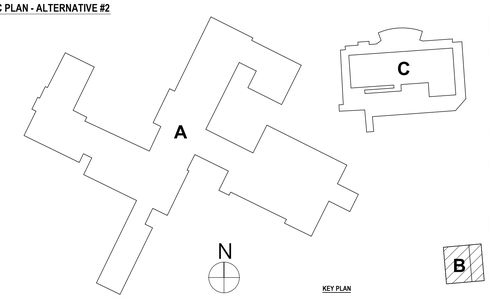
C. FURNISHING AND WIRING OF DISCONNECT BY ELECTRICAL CONTRACTOR.



2 MORTON BUILDING SANITARY PLAN - ALTERNATIVE #2
1/4" = 1'-0"



1 MORTON BUILDING DOMESTIC PLAN - ALTERNATIVE #2
1/4" = 1'-0"



KEY PLAN

DRAWN BY:	MAC
CHECKED BY:	JDG
DATE:	10/12/2022
SCALE:	1/4" = 1'-0"

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#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/2022	ISSUED FOR BID	

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HORSEHEADS, NY · 607 - 358 - 1000 ROCHESTER, NY · 585 - 327 - 7040 TOWANDA, PA · 570 - 265 - 4868

ISSUED FOR BID: CENTRAL SCHOOL SED # : 66-08-02-04-0-001-033, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-0-006-001

MORTON BUILDING PLUMBING PLAN

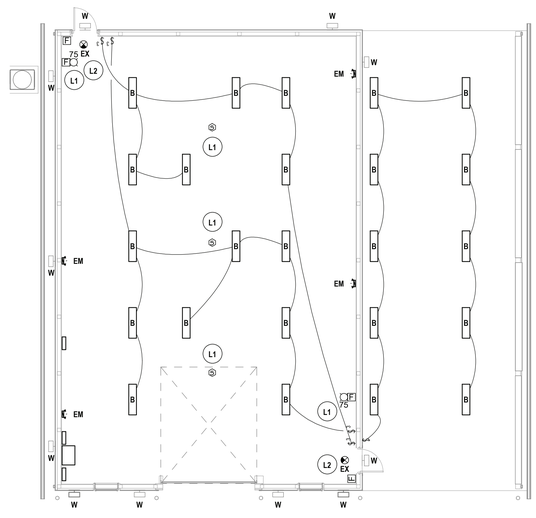
PHASE 1A - CAPITAL IMPROVEMENTS

POCANTICO HILLS CSD

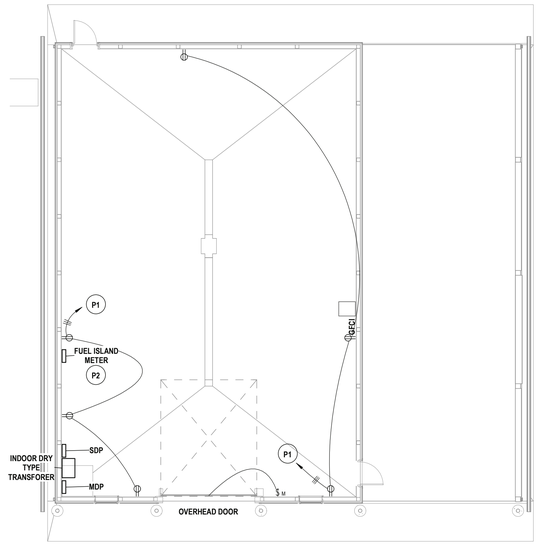
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-P1.1

PROJECT NO: 3288.004



3 **FIRST FLOOR LIGHTING PLAN - MORTON**
1/8" = 1'-0"



2 **FIRST FLOOR POWER PLAN - MORTON BUILDING**
1/8" = 1'-0"

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.

DEMOLITION NOTES - ELECTRICAL

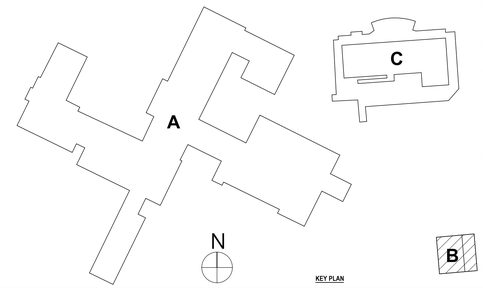
D1 DISCONNECT AND REMOVE EXISTING PANELS HVPOOL AND LVPOOL WITH ASSOCIATED TRANSFORMER. MAINTAIN EXISTING HOMERUN CIRCUITRY NOT CALLED OFF TO BE REMOVED IN NOTE D2. SECURE EXISTING FEEDERS FROM MAIN BUILDING.
D2 REMOVE EXISTING COMBO STARTERS/DISCONNECTS FROM UNITS. REMOVE ALL CONDUIT AND WIRE BACK TO PANEL.

CONSTRUCTION NOTES - POWER

P1 NOT USED.
P2 FROM PANEL HVPOOL. PROVIDE NEW FEED WITH NEW ALUMINUM CONDUIT TO EQUIPMENT LOCATION 3#8, 1#10G, 1"C. PROVIDE NEW COMBO STARTER
P3 PROVIDE NEW NEMA 3R OUTDOOR RATED PANELS & TRANSFORMER. EXTEND EXISTING CIRCUITRY TO BE MAINTAINED BACK TO PANEL. PROVIDE TROUGH BELOW PANELS FOR FEEDING BACK INTO BUILDING. HVPOOL TO BE 225MCB 48 SPACE WITH 8 3P BREAKERS. TRANFORMER TO BE 45KVA NEMA 3R. PANEL LVPOOL TO BE 100A 30 SPACE WITH 20 1P BREAKERS.
P4 FROM PANEL HVPOOL. REFEED WITH NEW ALUMINUM CONDUIT TO EQUIPMENT LOCATION. 3#12, 1#12G, 3/4"C.
P5 FROM PANEL HVPOOL. REFEED WITH NEW ALUMINUM CONDUIT TO EQUIPMENT LOCATION 3#10, 1#12G, 3/4"C.
P6 FROM PANEL HVPOOL. REFEED WITH NEW ALUMINUM CONDUIT TO EQUIPMENT LOCATION 3#8, 1#10G, 1"C. PROVIDE NEW COMBO STARTER
P7 FROM PANEL HVPOOL. REFEED WITH NEW ALUMINUM CONDUIT TO EQUIPMENT LOCATION 3#6, 1#10G, 1"C. PROVIDE NEW COMBO STARTER.
P8 FROM PANEL HVPOOL. REFEED WITH NEW ALUMINUM CONDUIT TO EQUIPMENT LOCATION 3#4, 1#8G, 1"C. PROVIDE NEW COMBO STARTER.

CONSTRUCTION NOTES - LIGHTING & FA

L1 PROVIDE STANDALONE FIRE ALARM SYSTEM. REFER TO SPECS FOR MORE INFORMATION.
L2 PROVIDE NEW COMBO EXIT/EMERGENCY FIXTUR WITH 90MIN BATT. BACKUP. CONNECT TO UNSWITCHED CIRCUITRY SERVING LIGHTING IN SPACE.



KEY PLAN

DRAWN BY:	TAWC
CHECKED BY:	GJB
DATE:	10/12/2022
SCALE:	1/8" = 1'-0"

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/2022	ISSUED FOR BID	

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ISSUED FOR BID; CENTRAL SCHOOL SED # : 66-08-02-04-0-001-035, MAINTENANCE STORAGE BUILDING SED # : 66-08-02-04-0-006-001

MORTON BUILDING ELECTRICAL PLANS

PHASE 1A - CAPITAL IMPROVEMENTS

POCANTICO HILLS CSD

599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

MS-E1.1

PROJECT NO: 3288.004

PANEL MDP

CIRC. #	DESCRIPTION	AMP	CIRCUIT BREAKERS	AMP	DESCRIPTION	CIRC. #
1	SDP	100				2
3	SDP	100				4
5	SDP	100				6
7						8
9						10
11						12
13						14
15						16
17						18
19						20
21						22
23				125	SPARE	24
25	SPARE	125		125	SPARE	26
27	SPARE	125		125	SPARE	28
29	SPARE	100		125	SPARE	30
31	SPARE	300		125	SPARE	32
33	SPARE	300		125	SPARE	34
35	SPARE	300		20	SPARE	36
37	SPARE	70		40	SPARE	38
39	SPARE	70		40	SPARE	40
41	SPARE	70		40	SPARE	42

VOLTS: 277/480V 3Ø — SPACES: - — REMARKS:
WIRE: 4W — MOUNTING: RECESSED — -
MAIN: 1000A MCB — FEED: PAD MT. TRANSFORMER
AIC: 65,000 MAX AMPS — LOCATION: MNT BLDG

PANEL SDP

CIRC. #	DESCRIPTION	AMP	CIRCUIT BREAKERS	AMP	DESCRIPTION	CIRC. #
1	CONV RECEPTS. INDOORS	20	1 2	20	DISPENSER (MICRO FEED)	2
3	DISPENSER (MICRO FEED)	20	3 4	20	DISPENSER (MICRO FEED)	4
5	DISPENSER (MICRO FEED)	20	5 6	20	DISPENSER (SUBMERSIBLE DRIVE & LIGHT)	6
7	DISPENSER (MICRO FEED)	20	7 8	20	TANK MONITOR SYSTEM	8
9	SUBMERSIBLE PUMP	20	9 10	20	ACCESS CONTROL RECEPTACLE	10
11	LIGHTING INDOORS	20	11 12	20	LIGHTING CANOPY	12
13	OVERHEAD DOOR	20	13 14			14
15	OVERHEAD DOOR	20	15 16			16
17			17 18			18
19			19 20			20
21			21 22			22
23			23 24			24
25	SPARE	20	25 26	20	SPARE	26
27	SPARE	20	27 28	20	SPARE	28
29	SPARE	20	29 30	20	SPARE	30

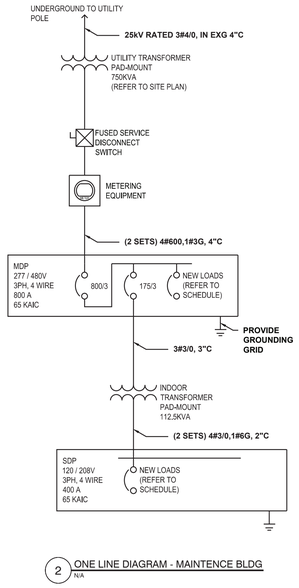
VOLTS: 120/208V 3Ø — SPACES: 30 — REMARKS:
WIRE: 4W — MOUNTING: SURFACE — -
MAIN: 400A MCB — FEED: PAD MT. TRANSFORMER
AIC: 22,000 MAX AMPS — LOCATION:

LIGHT FIXTURE SCHEDULE

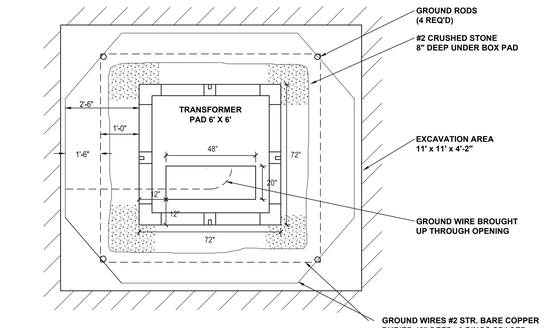
TYPE	DESCRIPTION	SIZE	MOUNTING	VOLTAGE	LUMENS	LED COLOR TEMP	LOAD EA. (WATTS)	MANUFACTURER/CATALOG NO.	FINISH	REMARKS	NOTES
B	SURFACE LINEAR	1x4	SURFACE	UNIV.	4254	3500	44	COLUMBIA # LXEW4-40-HL-RFA-ED-U	WHITE	-	1,2
W	EXTERIOR LIGHT	-	SURFACE	UNIV.	3656	4000	28	HUBBEL # RDI2-L4-40-4K8-4-UNV-BLT-PC	BLACK	PROVIDE WITH 90MIN BATTERY BACKUP PROVIDE WITH PHOTOEYE	1,2
EX	EXIT LIGHT	-	SURFACE	UNIV.	-	-	12	DUAL LITE # DYNC-S-R-W-12	WHITE	PROVIDE WITH 90MIN BATTERY BACKUP	1,2
EM	EMERGENCY LIGHT	-	SURFACE	UNIV.	-	-	16	DUAL LITE # ELWRDHP	GRAY	PROVIDE WITH 90MIN BATTERY BACKUP	1,2

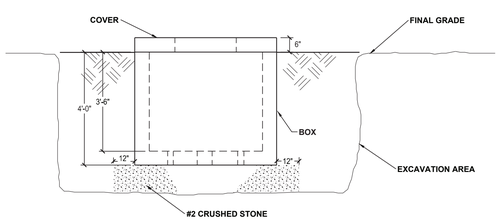
LIGHT FIXTURE SCHEDULE NOTES:

1. LIGHT FIXTURE SHALL BE DESIGN LIGHTS CONSORTIUM QUALIFIED.
2. FIXTURE SHALL HAVE 0-10V DIMMING CAPABILITY AND BE CONTROLLED BY A COMPATIBLE 0-10V DIMMING SWITCH.



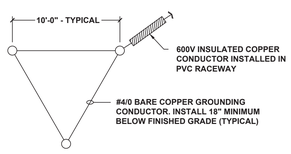
2 ONE LINE DIAGRAM - MAINTENCE BLDG
N/A



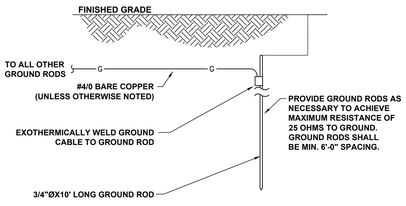


SPECIFICATIONS:

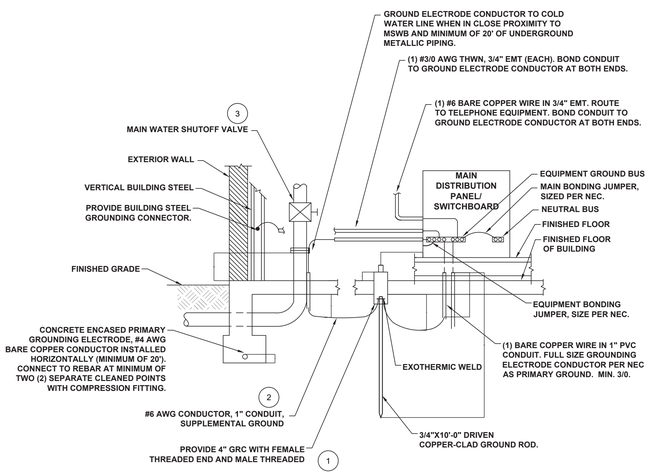
BOX:	LAKELANDS TPMC100
CONCRETE:	5000psi @ 28 DAYS
ENTRAINED AIR:	5% - 9%
REINFORCING:	fy= 60,000psi ASTM A615
CHAMFER:	4" CHAMFER - ALL TOP EDGES SLAB ONLY.
COVER:	LAKELANDS MC101M FOR 1000KVA



NOTE: GROUNDING ELECTRODE CONDUCTOR SIZED PER N.E.C.



1 GROUNDING DETAILS - MAINTENCE BLDG
N/A



(#) 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.

DRAWN BY: TAWC
CHECKED BY: GJB
DATE: 10/12/2022
SCALE: AS SHOWN

#	DATE:	DESCRIPTION OF REVISION:	BY:
1	11/14/2022	ISSUED FOR BID	

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ELECTRICAL SCHEDULES & DETAILS
PHASE 1A - CAPITAL IMPROVEMENTS
POCANTICO HILLS CSD
599 BEDFORD RD, SLEEPY HOLLOW, NY 10591

ISSUED FOR BID, CENTRAL SCHOOL SED # 66-08-02-04-0-001-039

MS-E2.1

PROJECT NO. 3288.004