GENERAL NOTES

1. THE LOCATION OF ALL UTILITIES INDICATED ON THE PLANS IS APPROXIMATE AND IS BASED ON AVAILABLE DATA. SUBSURFACE CONDITIONS AND LOCATIONS ARE NOT CERTIFIED. THE CONTRACTOR SHALL ASSESS AVAILABLE DATA AND SHALL INSPECT ALL FIELD CONDITIONS AND COORDINATE WITH ALL UTILITY COMPANIES AND THE OWNER PRIOR TO ANY EXCAVATION. ACTUAL CONFIGURATIONS MUST BE FIELD-VERIFIED VIA UTILITY COMPANY MARK OUTS AND TEST PITS IF NEEDED. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES AND NY CALL BEFORE YOU DIG FOR FIELD

2. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN HERE ON TAKEN FROM A PLAN ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY FOR ROCKLAND PSYCHIATRIC CENTER, SHEET 73.08, BLOCK 1, LOTS 1, 3 & 4 CONVENT ROAD, TOWN OF ORANGETOWN, ROCKLAND COUNTY, STATE OF NEW YORK" PREPARED BY SPARTAN ENGINEERING/LAND SURVEYING P.C. DATED 3/3/2017.

3. CONSTRUCTION STANDARDS: ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, COUNTY, STATE, FEDERAL,

4. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED UNDERGROUND, UNLESS OTHERWISE DENOTED. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AND SHALL REPAIR OR CAUSE TO BE REPAIRED ANY DAMAGE TO EXISTING UTILITIES AS A RESULT OF HIS ACTIVITY. ALL WORK MUST BE COORDINATED WITH THE UTILITY COMPANIES AS ALL UTILITIES MUST BE MAINTAINED DURING

6. ANY EXISTING ELEMENTS THAT MAY BE DISTURBED DURING CONSTRUCTION (I.E. BENCHES, FLOWER POTS, SHRUBS, FENCES, TRASH RECEPTACLES, ETC.), NOT OTHERWISE COVERED IN THE CONTRACT DOCUMENTS, MUST BE RESTORED TO THEIR ORIGINAL CONDITION TO THE SATISFACTION OF THE 7. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED AT THE END OF EACH WORK DAY. COMPACTION OF ALL FILL MATERIALS

SHALL BE 95% MODIFIED PROCTOR DENSITY (ASTM D-1557). THE SUB-BASE TO BE COMPACTED & PROOF-ROLLED UNDER THE OWNER'S SUPERVISION. EXCAVATION OF ANY UNSUITABLE MATERIALS TO BE AT THE DIRECTION OF THE OWNER'S ON-SITE FIELD ENGINEER OR SUPERVISION. 8. SURVEY BASED ON N.Y. (EAST) S.P.C.S. NAD '83 (2011). SURVEY SCALED TO GROUND AT POINT 1004

GROUND SCALE FACTOR: 1.0000771949

GROUND COORDINATES: N:808021.699 E:637922.753 Z:134.503

9. PROPOSED STORMWATER MANAGEMENT BASIN, SANITARY AND STORM SEWER INFRASTRUCTURE ARE TO BE PRIVATE AND THE SOLE RESPONSIBILITY OF 10. THE CONTRACTOR IS RESPONSIBLE FOR SOIL AND GROUND WATER SAMPLING AND ANALYSIS REQUIRED TO PROPERLY CHARACTERIZE THE SOIL FOR OFF-SITE DISPOSAL AND DEWATERED GROUNDWATER FOR TREATMENT OR DISPOSAL. THE CONTRACTOR IS REQUIRED TO OBTAIN APPROVAL FROM THE

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC THROUGHOUT THE DURATION OF CONSTRUCTION. TRAFFIC CONTROL SHALL BE INCLUDED FOR PROTECTING TRAFFIC AND MAINTAINING ACCESS AT ALL TIMES.

CONTRACT. THE CONTRACTOR MUST CONTACT WITH THE TOWN OF ORANGETOWN, ROCKLAND COUNTY, AND THE ROCKLAND COUNTY SOIL AND WATER 3. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FENCED AREA FOR STORAGE OF EQUIPMENT AND MATERIALS. THE STORAGE AREA LOCATION MUST BE APPROVED BY THE OWNER AND SHALL BE SECURED AT THE END OF EACH DAY FOR PROTECTION OF PEDESTRIANS AND FOR THE PROTECTION OF

4. CONTRACTOR RESPONSIBILITY TO SECURE THE CONSTRUCTION AREA WITH CONSTRUCTION FENCING, GATES AND ANY OTHER MEASURE DEEMED NECESSARY TO MAINTAIN A SECURE PROJECT SITE. 5. THE CONTRACTOR SHALL SECURE WORK PERMITS AND HAULING PERMITS FROM ROCKLAND COUNTY HIGHWAY DEPARTMENT.

TOWN OF ORANGETOWN NOTES

1. LOT DRAINAGE SHOWN SHALL CONSTITUTE EASEMENTS RUNNING WITH THE LAND AND ARE NOT TO BE DISTURBED. 2. ALL UTILITIES, INCLUDING ELECTRIC AND TELEPHONE SERVICE, SHALL BE INSTALLED UNDERGROUND.

3. SIDEWALKS AND CURBS SHALL BE INSTALLED IN ACCORDANCE WITH THE HIGHWAY DEPARTMENT'S SPECIFICATIONS FOR SIDEWALKS AND CURBS. 4. THIS PLAN DOES NOT CONFLICT WITH THE COUNTY OFFICIAL MAP AND HAS BEEN APPROVED IN THE MANNER SPECIFIED BY SECTION 239L&M OF

THE GENERAL MUNICIPAL LAW OF THE STATE OF NEW YORK. 5. CERTIFICATE OF OCCUPANCY SHALL NOT BE REQUESTED FROM THE TOWN OF ORANGETOWN BUILDING DEPARTMENT UNTIL RESULTS OF INFILTRATION AND EXFILTRATION TESTS FOR SANITARY SEWERS ARE CERTIFIED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER AND APPROVED BY THE

DIRECTOR, DIVISION OF SEWERS. 6. THE APPLICANT MUST OBTAIN APPROVAL FROM THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, ROCKLAND COUNTY HIGHWAY DEPARTMENT,

OR THE TOWN OF ORANGETOWN HIGHWAY DEPARTMENT, WHICHEVER IS APPROPRIATE. 7. ALL CONSTRUCTION ACTIVITIES, INCLUDING SITE CLEARING OPERATIONS IF APPLICABLE, SHALL TAKE PLACE BETWEEN THE HOURS OF 7:00 AM AND

7:00 PM, MONDAY THROUGH SATURDAY. NO SUCH ACTIVITIES SHALL TAKE PLACE ON SUNDAY OR A LEGAL HOLIDAY. 8. THE FOLLOWING FIRE CODE CRITERIA FOR THE PROJECT SHALL BE MET: 8.1. ALL ENCLOSED STRUCTURES TO HAVE A NFPA 13 COMPLIANT SPRINKLER SYSTEM, WITH PLANS SUBMITTED BEFORE BUILDING CONSTRUCTION

STARTS. FIRE FLOW CALCULATIONS TO BE PROVIDED. FDC TO BE 4" STORZ. 8.2. ALL BUILDINGS TO HAVE A NFPA 72 COMPLIANT FIRE ALARM SYSTEM WITH PLANS SUBMITTED BEFORE BUILDING CONSTRUCTION STARTS. ALARM

TO BE CONNECTED TO ROCKLAND COUNTY 44-CONTROL. CUT SHEETS OF SYSTEM ARE TO BE PROVIDED. 8.3. BUILDING TO HAVE CARBON MONOXIDE ALARMS PER NFPA 720. 8.4. BUILDING TO HAVE EMERGENCY LIGHTING PER NEC.

8.5. PORTABLE FIRE EXTINGUISHERS TO BE PROVIDED PER NFPA 10.

8.6. PROVIDE FIRE ACCESS AS PER NYS FIRE CODE APPENDIX FCD. 8.7. APPLY FOR AND MAINTAIN CERTIFICATE OF COMPLIANCE FIRE SAFETY WITH THE ORANGETOWN OFFICE OF THE FIRE INSPECTOR. 8.8. PROVIDE SUPRA KEY BOX IN ACCEPTABLE LOCATION.

8.9. PROVIDE OPERATIONS INFORMATION ON ANY FIRE PROTECTION AND BUILDING SUBSYSTEMS, INCLUDING BUT NOT LIMITED TO VESDA SYSTEMS, PRE-ACTION SPRINKLERS, BATTERIES, UPS, GENERATORS AND FUEL STORAGE. 8.10. A HAZARDOUS MATERIALS PERMIT FROM THE TOWN OF ORANGETOWN WILL BE REQUIRED.

TESTING TOLERANCES FOR THE FORCE MAIN, SANITARY SEWER MAINS AND SANITARY MANHOLES ARE AS FOLLOWS: THE LEAKAGE OUTWARD OR THE INFILTRATION INWARD OF THE CONSTRUCTED SEWER LINE SHALL NOT EXCEED 100 GALLONS PER 24 HOURS PER INCH OF THE PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SEWER SYSTEM BETWEEN MANHOLES AND INCLUDING MANHOLE

2. COPY OF THE ENGINEER'S CERTIFICATION, SANITARY SEWER TEST RESULTS AND AS-BUILTS ARE TO BE SENT TO ROCKLAND COUNTY HEALTH

3. TOWN OF ORANGETOWN WILL NOT RELEASE CERTIFICATES OF OCCUPANCY UNTIL A CERTIFICATE OF APPROVAL HAS BEEN RELEASED TO THE ROCKLAND COUNTY HEALTH DEPARTMENT.

KEY / VICINITY MAP

SCALE: 1"=1000'±





AMENDED CIVIL SITE PLAN - PROJECT SYCAMORE DATA CENTER

65 THIRD AVENUE, TOWN OF ORANGETOWN, ROCKLAND COUNTY, NEW YORK

SHEET 73.08, BLOCK 1, LOT 1

DRAWING INDEX

COVER SHEET C002 **EXISTING SITE PLAN** SITE MASTER PLAN

C003 C100 DEMOLITIONS AND REMOVALS PLAN SITE LAYOUT & DIMENSION CONTROL PLAN - A C102 SITE LAYOUT & DIMENSION CONTROL PLAN - B C201 GRADING PLAN - A

C202 **GRADING PLAN - B** C301 UTILITY PLAN - A C302 UTILITY PLAN - B

C400 (C408) STORM WATER POLLUTION PREVENTION PLAN - PHASE 8A & 8B STORM WATER POLLUTION PREVENTION DETAILS STORM WATER POLLUTION PREVENTION DETAILS

CONSTRUCTION DETAILS - 1 CONSTRUCTION DETAILS - 2 CONSTRUCTION DETAILS - 3 SITE INFORMATION

SITE AREA: SITE ADDRESS:

CONVENT ROAD/THIRD AVENUE TOWN OF ORANGETOWN, ROCKLAND COUNTY, NEW YORK

JPMORGAN CHASE

60.96 AC±

SCHOOL DISTRICT- PEARL RIVER UNION FREE AMBULANCE DISTRICT- ROCKLAND PARAMEDIC SERVICE

WATER DISTRICT- SUEZ WATER OF NY POSTAL DISTRICT- 10962 FIRE DISTRICT- ORANGEBURG

65 THIRD AVENUE, ORANGEBURG, NY 10962

SEWER DISTRICT- ORANGETOWN SEWER DISTRICT AMBULANCE DISTRICT- SOUTH ORANGETOWN

ZONING REQUIREMENTS

ZONE DISTRICT:

ELECTRONIC DATA STORAGE CENTER ELECTRONIC DATA STORAGE CENTER PROPOSED LAND USE:

STANDARD	REQUIRED	PROPOSED
MIN. LOT AREA	10 ACRES	60.96 ACRES
MIN. BUILDING SETBACKS		
- FRONT YARD (THIRD AVE, CONVENT RD, OAK ST.)	100 FT.	277.44 FT. (THIRD AVE.) (EXISTING)
- SIDE YARD (TOTAL YARDS)	100 FT (250 FT)	N/A
- REAR YARD (EASTERN PROPERTY LINE)	100 FT.	143.73 FT.
MAX. BUILDING HEIGHT	55 FT.	<55 FT.
MAX. FLOOR AREA RATIO	0.40	0.116
MIN. LOT WIDTH	150 FT.	929.69 FT. (CONVENT)
MIN. STREET FRONTAGE	150 FT.	3799.58 FT. (THIRD AVE., CONVENT ROAD, OAK ST.)
MAX. LAND COVERAGE	80%	27.3%
N/A - NOT APPLICABLE N/S - NO STANDARD TBD - TO BE DETERMINED)	·

PRIOR VARIANCE RELIEF ON PROPERTY: ZBA#17-47: CONFORMANCE TO PERFORMANCE STANDARDS AND ZBA#17-48: FENCE HEIGHT, DATED JUNE 21, 2017

OFF-STREET PARKING REQUIREMENTS

NO CHANGE TO PARKING ON PROPERTY; PARKING REQUIREMENTS APPROVED BY THE PLANNING BOARD AS PART OF

107 SPACES PROPOSED; 103 STANDARD SPACES @ 9'x18'; 4 HANDICAP ALL VAN ACCESSIBLE

LEGEND

LIGHT LINE WORK AND TEXT DENOTES EXISTING CONDITIONS

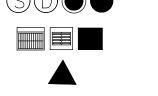
—— HEAVY LINE WORK AND TEXT DENOTES PROPOSED CONDITIONS

— — 125 — — EXISTING CONTOUR

——— SANITARY SEWER

— — — — — STORM SEWER

FIRE HYDRANT AND VALVE



THRUST BLOCK

WATER VALVE

_____ DEMOLISHED UTILITIES

SIGNATURE OWNER: JPMorganChase

DATE

GENERAL NOTES:

KEYNOTES:

KEYPLAN

ORANGEBURG

PLAN NORTH

1407 SCALP AVENUE JOHNSTOWN, PA 15904-3329 PHONE: 814-269-9300 FAX: 814-269-9301 www.hflenz.com

Ľ H.F. LENZ

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322 EIGHTH AVENUE, 5TH FLOOR

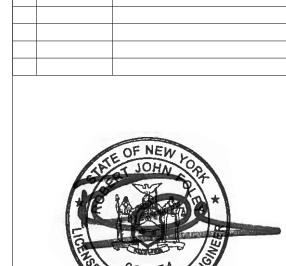
NEW YORK, NY 10001 TEL: (212) 598-9010

ISSUES **REVISIONS** 9/08/2017 PER RESOLUTION CONDITIONS 11/03/2017 TOWN, SWM & STAGING COMMENT 11/17/2017 TOWN COMMENTS

12/05/2017 ADD WRC BUILDING

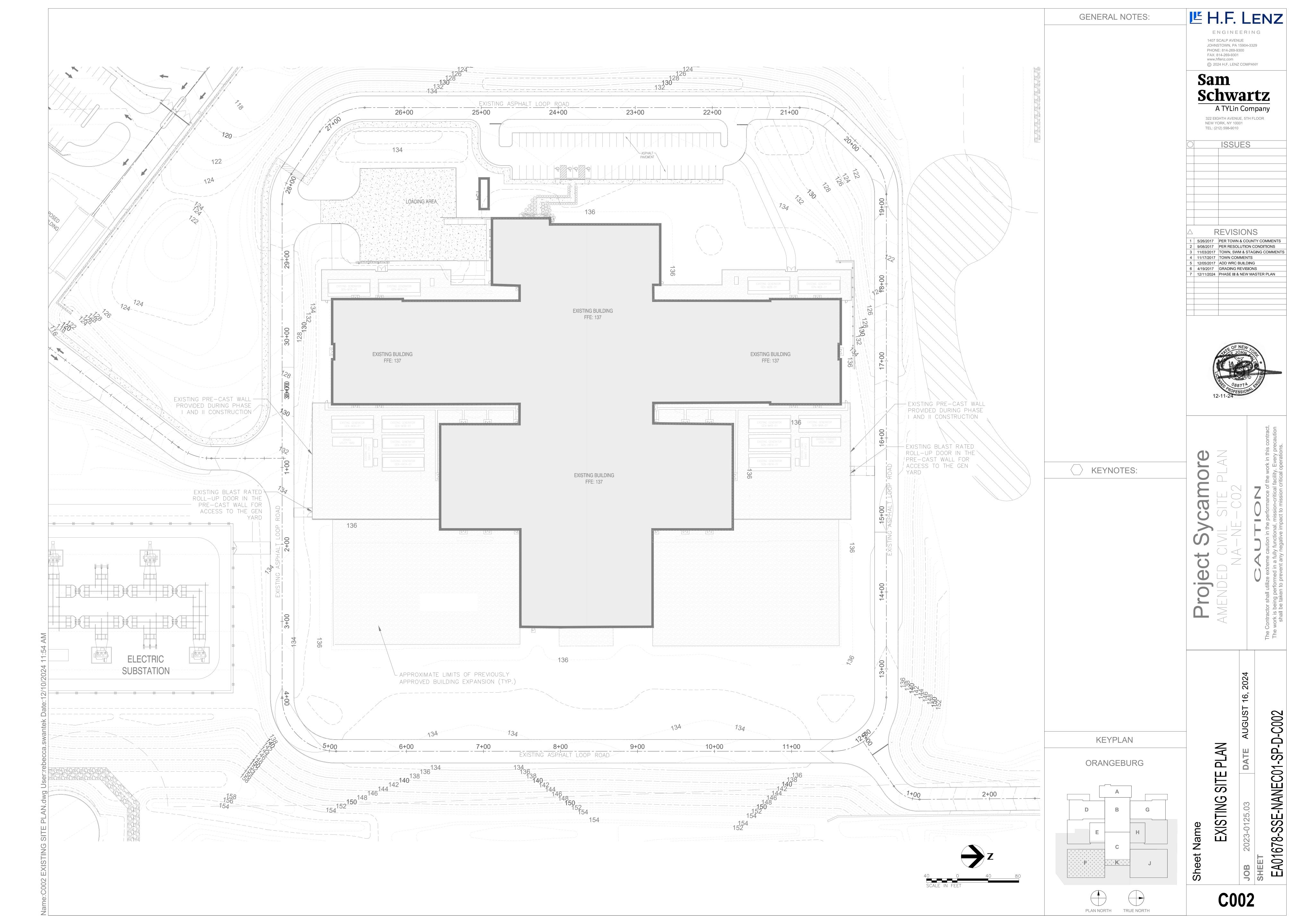
6 4/19/2017 GRADING REVISIONS

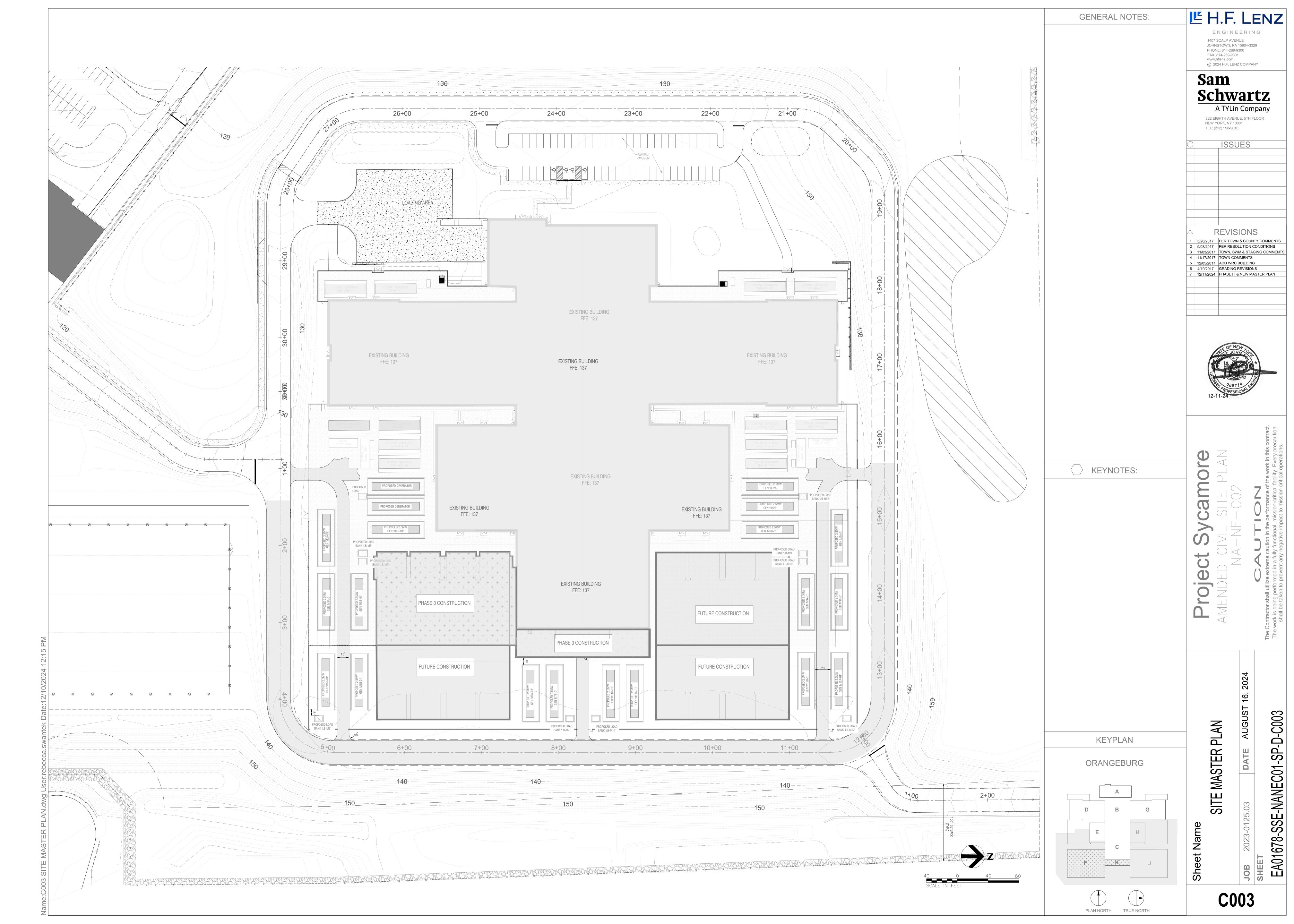
| 12/11/2024 | PHASE III & NEW MASTER PLAN

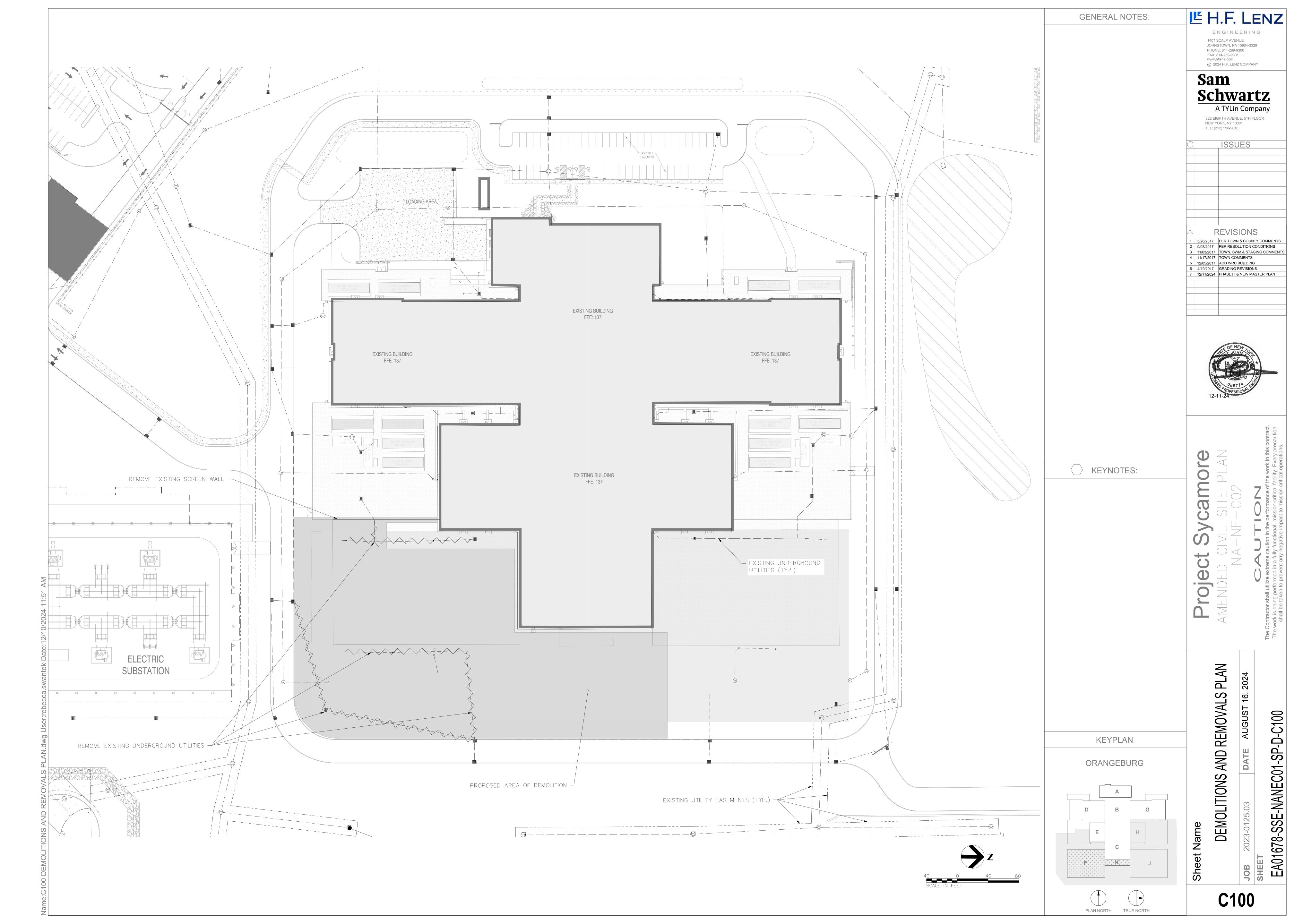


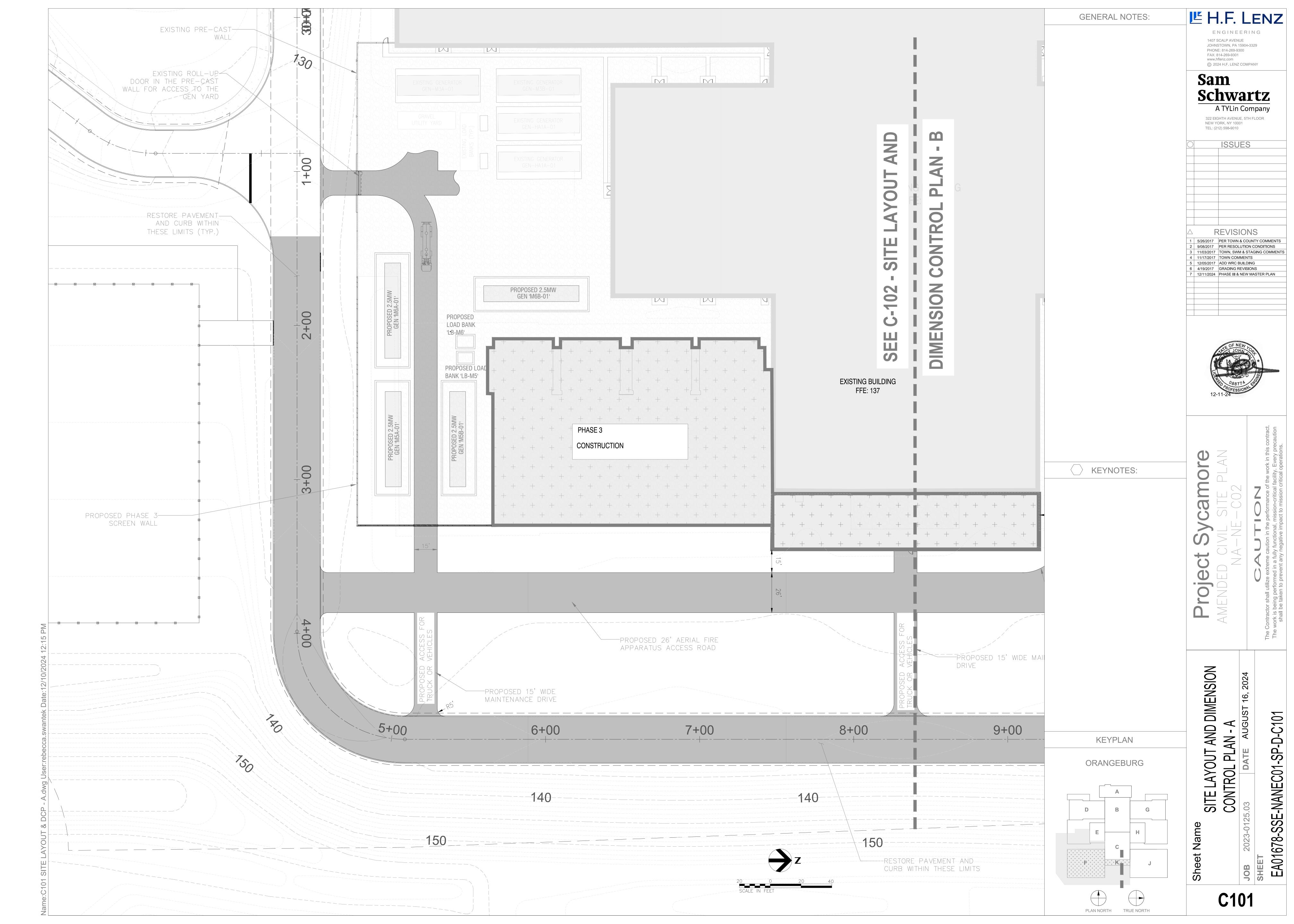
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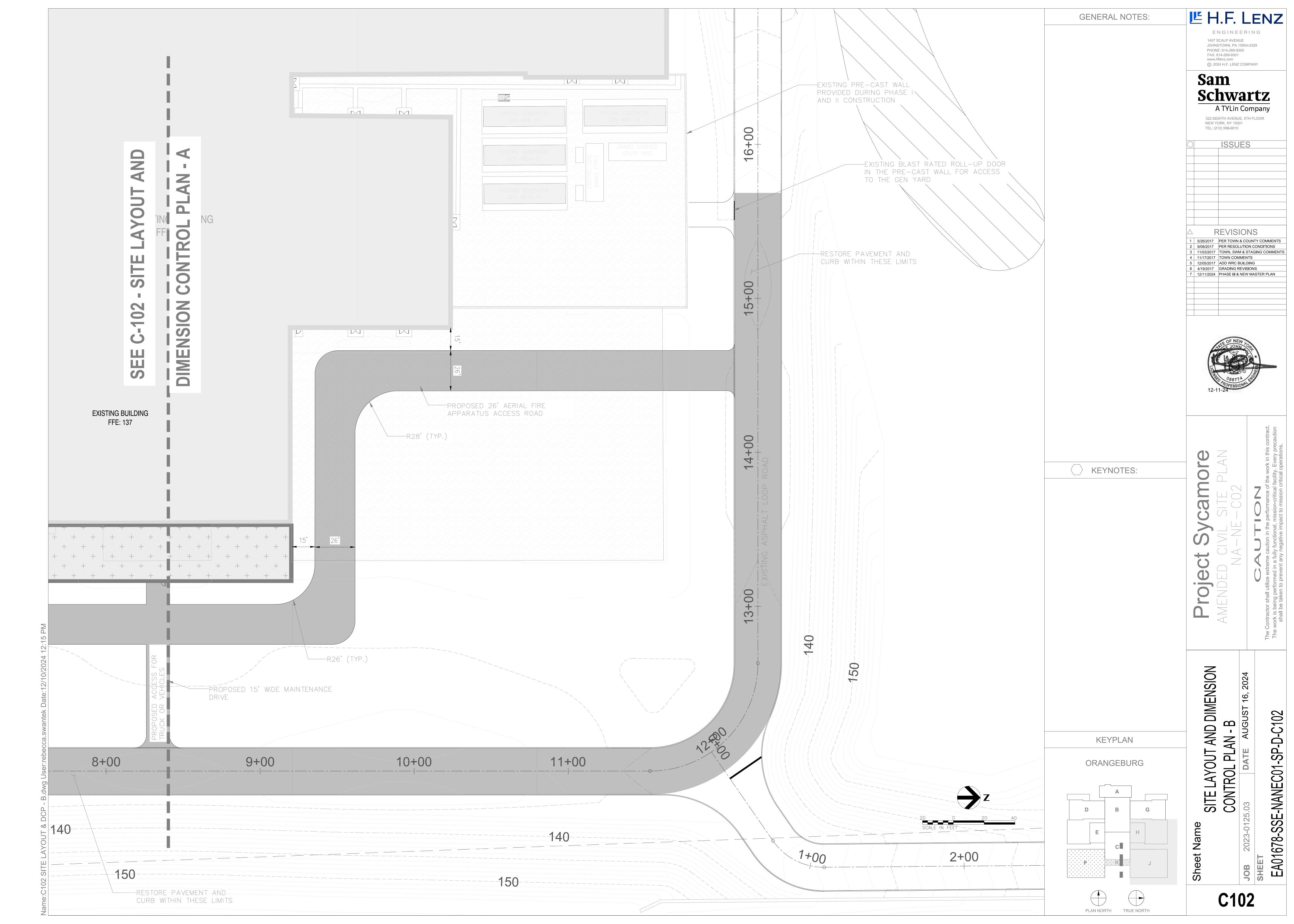
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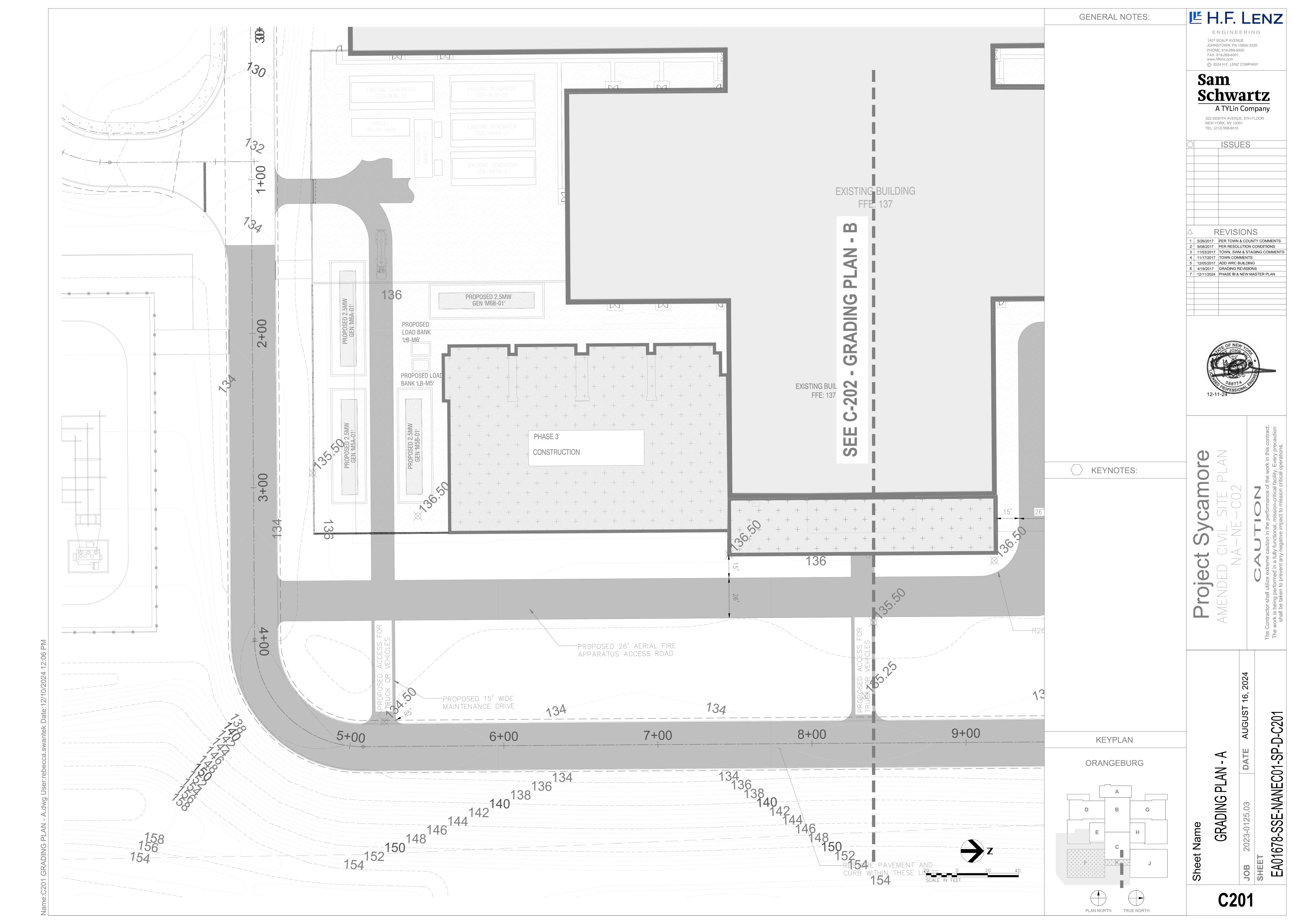


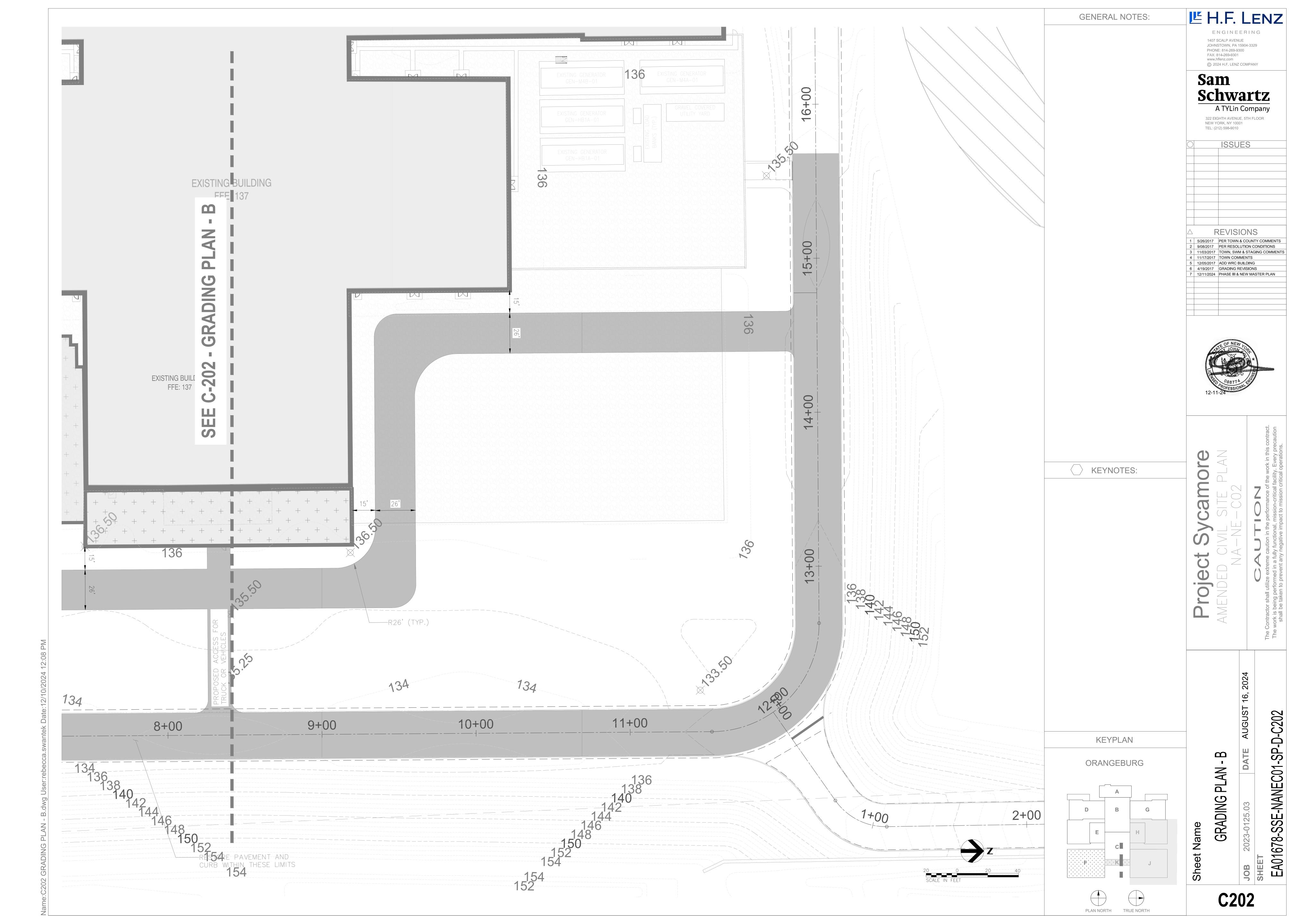


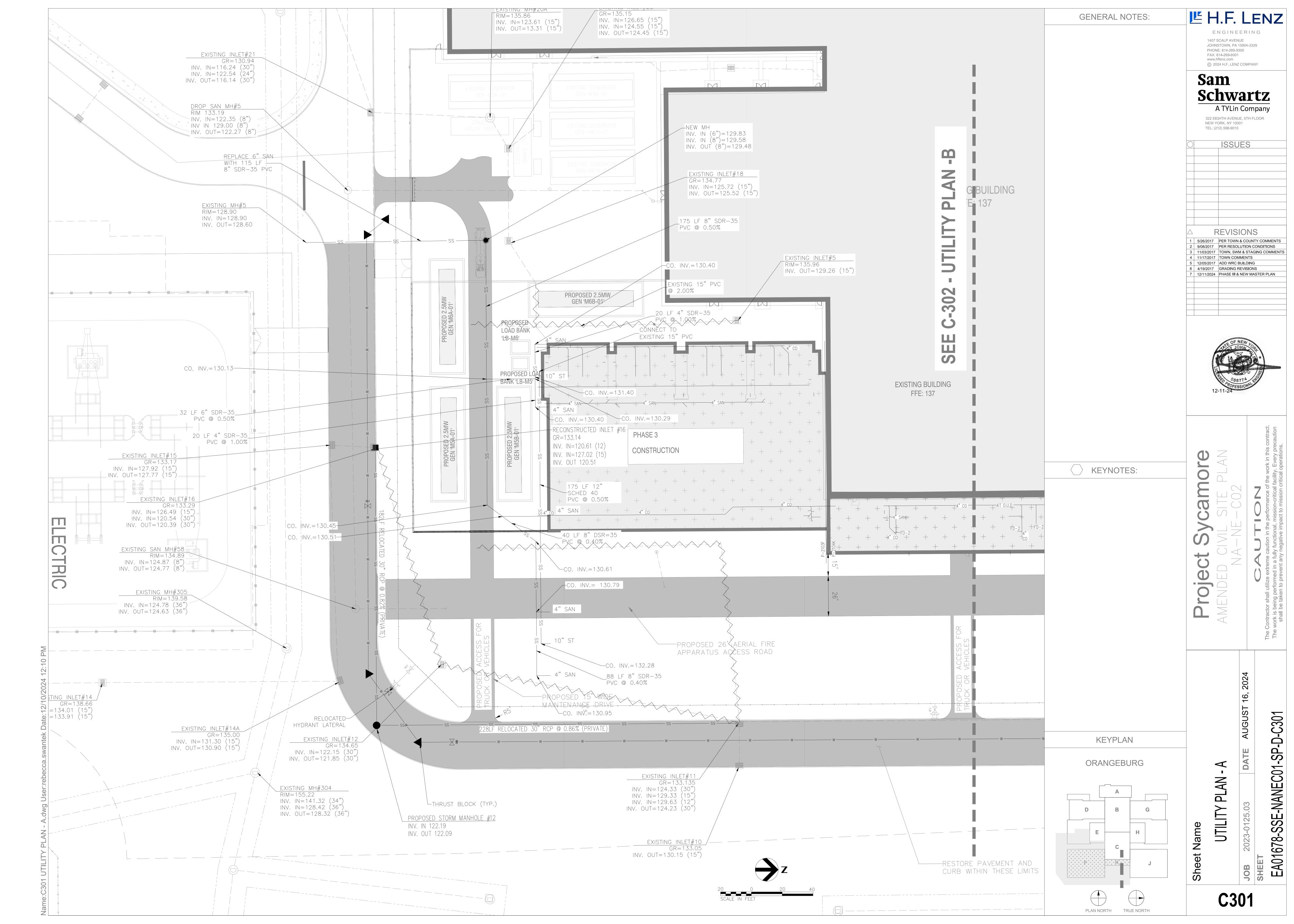


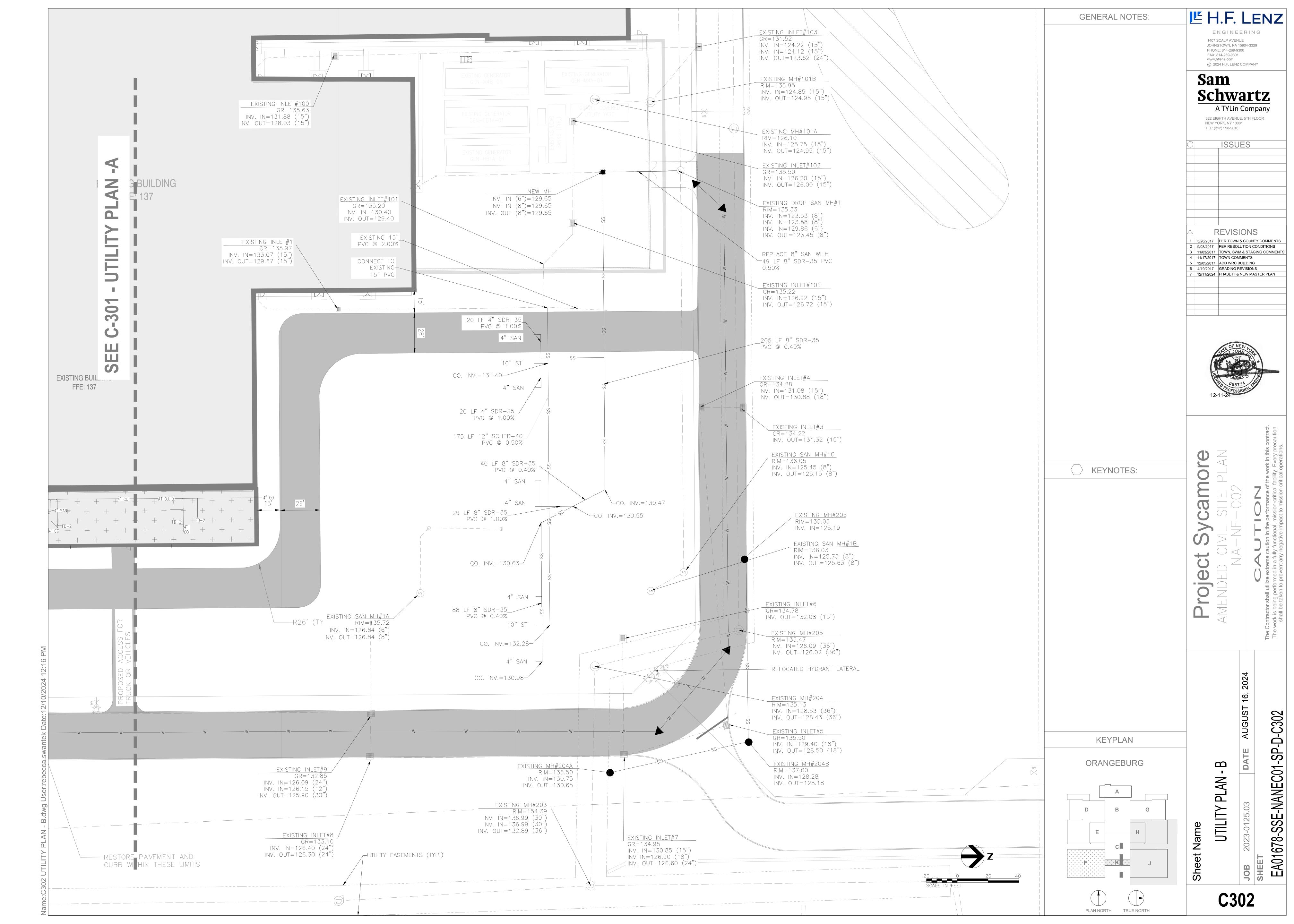


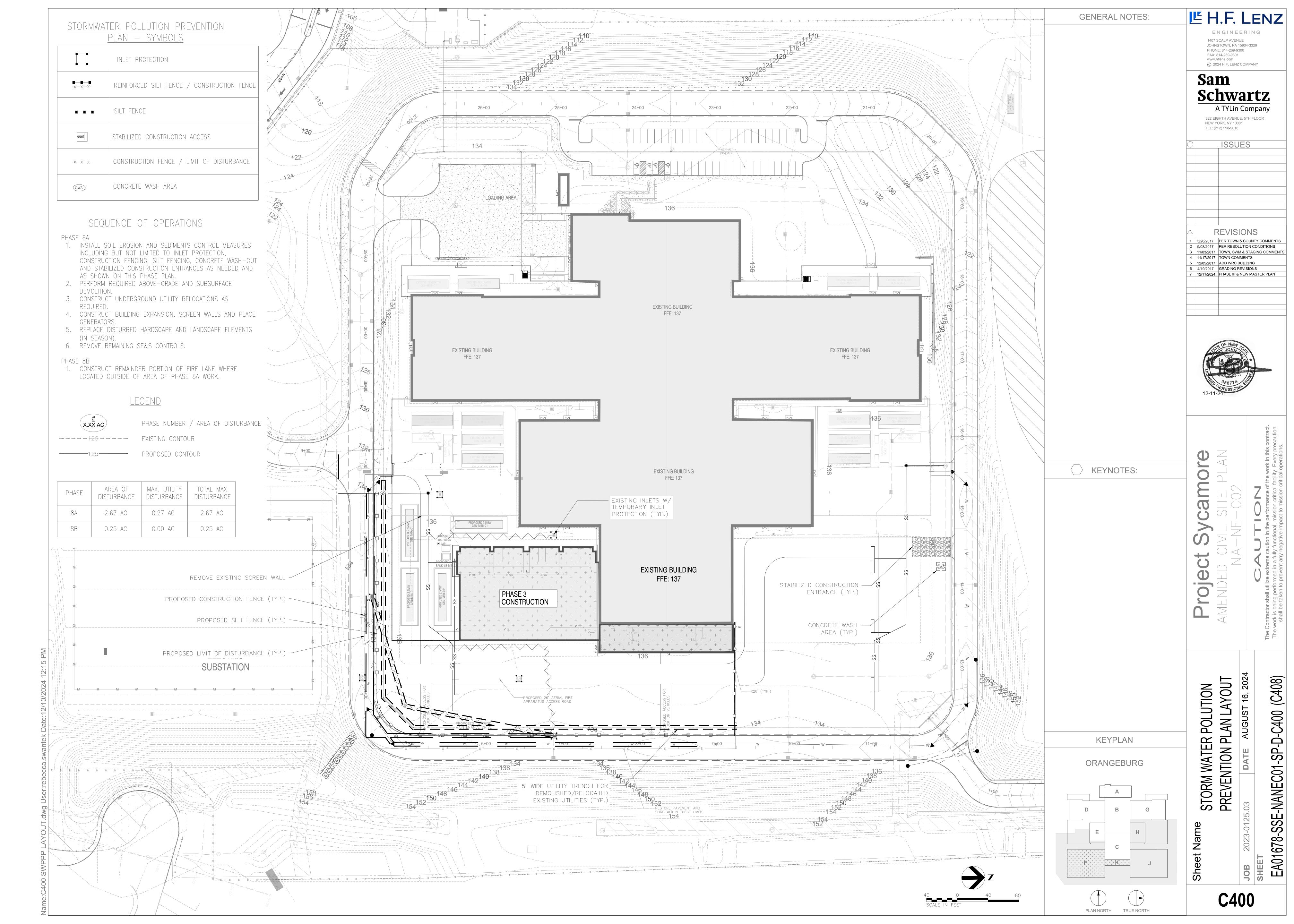












SOIL OR MATERIAL STOCKPILE <u>NTS</u>

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE. THE AREA SHALL NOT BE WITHIN THE DRIPLINE OR CANOPY OF EXISTING TREES THE LOCATION MUST BE PRE-APPROVED BY THE ENGINEER PRIOR TO DELIVERY OF ANY MATERIALS.

2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2(H) TO 1(V). 3. SILT FENCING SHALL BE PLACED FIVE

(5)-FEET DOWNSLOPE OF EACH PILE. UPON COMPLETION OF SOIL STOCKPILING. TOPSOIL SHALL BE STABILIZED WITH SEED AND MULCH IF NOT TO BE

DISTURBED/UTILIZED WITHIN FOURTEEN (14)

4. SEE ADDITIONAL DETAILS FOR INSTALLATION OF SILT FENCE 5. TEMPORARY PERIMETER DIKES MAY BE REQUIRED TO DIRECT CLEAN RUNOFF FROM STOCKPILE AREAS.

#2 CRUSHED STONE BEDDING 6" THICK

FUEL, EQUIPMENT, OR MATERIAL STORAGE AREA

. AREA CHOSEN FOR STORAGE OPERATIONS SHALL BE DRY AND STABLE. THE AREA SHALL NOT BE WITHIN THE DRIPLINE OR CANOPY OF TREES. THE LOCATION MUST BE PRE-APPROVED BY THE ENGINEER PRIOR TO DELIVERY OF ANY MATERIALS. 2. NO STOCKPILE AREA SHALL BE LOCATED WITHIN FIFTY (50) FEET OF SURFACE WATER, FLOODPLAIN, SLOPE, DRAINAGE FACILITY

3. IF STABLE SURFACE NOT AVAILABLE, THE TOP SIX (6) INCHES OF NATIVE MATERIAL SHALL BE EXCAVATED FROM THE MATERIAL/FUEL STORAGE AREA AND STOCKPILED TO REUSE FOR RESTORATION OF THIS AREA. IN THE AREA EXCAVATED, PLACE SEPARATION FABRIC AND SIX (6) INCHES OF #2 CRUSHED STONE BEDDING, SEE SPECIFICATIONS. IF APPROVED BY THE ENGINEER USE OF EXISTING GRAVEL AREAS MAY BE USED IN LIEU OF

EXCAVATION, STONE, AND FABRIC. 4. SILT FENCING SHALL BE PLACED FIVE (5) FEET DOWNSLOPE OF STORAGE AREA.

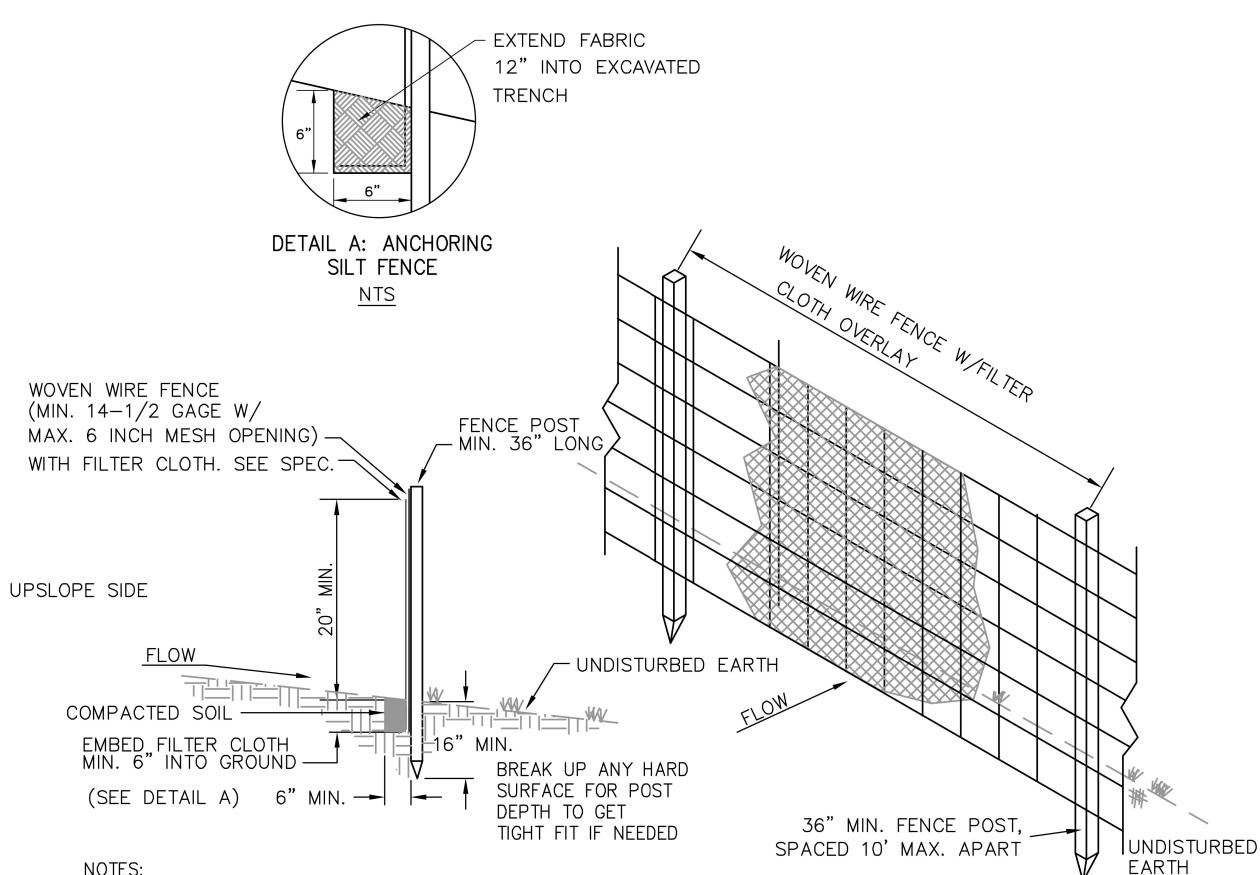
5. TEMPORARY PERIMETER DIKES MAY BE REQUIRED TO DIRECT CLEAN RUNOFF FROM STORAGE AREAS. 6. REMOVE ALL MATERIALS INCLUDING STONE AND FABRIC WHEN

NEED FOR STORAGE IS OVER. RESTORE TO ORIGINAL GRADE WITH STOCKPILED EXCAVATED SOIL (NO FOREIGN DEBRIS) APPROVED BY THE ENGINEER.

CONSTRUCTION STOCKPILE / STORAGE AREA DETAILS

OR ROADWAY.

N.T.S.



1. WOVEN WIRE FENCE SHALL BE FASTENED TO POSTS W/ WIRE TIES OR STAPLES.

2. FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE MESH W/ TIES SPACED EVERY 24 INCHES AT TOP,

3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6 INCHES AND FOLDED. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED. SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN THEIR CAPACITY HAS BEEN REDUCED BY 50% FROM THE DESIGN CAPACITY. 5. WHERE SILT FENCE IS REQUIRED ON ROCK SURFACES PROVIDE ADEQUATE FRAMING IN LIEU OF FENCE POSTS. LAY

WIRE FENCE AND FABRIC OVER THE ROCK SURFACE AND PROVIDE SAND BAG WEIGHT FOR SEAL W/ ROCK. SAND BAGS SHALL BE FILTER FABRIC TYPE, DOUBLE BAGGED AND INDIVIDUALLY TIED TO PREVENT SAND LEAKAGE. THEY SHALL BE PLACED AND REMOVED MANUALLY TO PREVENT SPILLAGE.

6. ONLY CLEAN SAND, FREE OF DEBRIS, SILT, FINE PARTICLES, OR OTHER FOREIGN SUBSTANCES SHALL BE USED TO FILL THE BAGS. ALL BAGS SHALL BE FILLED AT AN UPLAND LOCATION ON SITE WHERE SPILLAGE WILL NOT ENTER THE WATER, AND ALL SAND STORED ON SITE SHALL BE SURROUNDED BY STRAW BALES OR COVERED WITH A TARP TO PREVENT EROSION OF SAND.

SILT FENCE DETAILS

NOTE: REINFORCED SILT FENCE (SUPER SILT FENCE) SAME AS THIS DETAIL BUT SUPPORTED BY 6FT HIGH CHAIN LINK TEMPORARY CONSTRUCTION FENCE

 CONCRETE WASHOUT AREA CONCRETE WASHOUT AREA 10'x10'x1.5' DEEP± 10'x10'x1.5' DEEP± 12" NO. 1 CRUSHED STONE SECTION A-A SEPARATION FABRIC, SEE SPEC.-10'± SIGN IDENTIFYING SITE AS A CONCRETE WASHOUT AREA -

N.T.S.

RED

75' MIN.

75' MIN.

PLAN VIEW

IE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

H - TWENTY FOUR (24) FOOT MINIMUM EXCEPT TWELVE (12) FOOT MINIMUM

RIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.

ITENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL

TRACKING OR FOLLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL

ODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH

STABILIZED CONSTRUCTION

N WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH

I SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY SHALL

FACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD

CAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED

ND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE

ENTRANCE DETAILS

ICTION ENTRANCE SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS

EXISTING PAVEMENT

EXISTING PAVEMENT

- MOUNTABLE BERM

STONE- 6" MIN.

12' OR 24' MIN.

PAVEMENT

RUCTION SPECIFICATIONS

TH - NOT LESS THAN 75 FEET

KNESS - NOT LESS THAN 6 INCHES

GEOSYNTHETIC — FABRIC -SEE SPEC.

EXISTING - GROUND -

VED IMMEDIATELY.

CONCRETE WASH AREA

CWA

- SILT FENCE, SEE SPEC.

WINTER STABILIZATION NOTES: ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED AND MAINTAINED ACCORDING TO THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND

1. SITE STABILIZATION - ALL BARE/EXPOSED SOILS SHALL BE STABILIZED BY AN ESTABLISHED VEGETATION, STRÁW OR MULCH, MATTING, ROCK OR OTHER APPROVED PRODUCT SUCH AS ROLLED EROSION CONTROL PRODUCT. SEEDING OF AREAS ALONG WITH MULCHING MAY BE USED, HOWEVER SEEDING ALONE IS NOT CONSIDERED ACCEPTABLE FOR PROPER STABILIZATION.

2. SILT FENCE - SILT FENCE BARRIERS SHALL BE PROPERLY INSTALLED AT

3. SLOPES - ALL SLOPES AND GRADES SHALL BE PROPERLY STABILIZED. ROLLED EROSION CONTROL PRODUCTS SHALL BE USED ON ALL SLOPES

4. SOIL STOCKPILES - STOCKPILED SOILS SHALL BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, AN ANCHORED-DOWN STRAW OR MULCH, ROLLED EROSION CONTROL PRODUCT OR OTHER DURABLE COVERING. A BARRIER SHALL BE INSTALLED AROUND THE PILE TO PREVENT ANY EROSION

5. CONSTRUCTION ENTRANCE - ALL ENTRANCE/EXIT LOCATIONS TO THE SITE SHALL BE PROPERLY STABILIZED AND MAINTAINED TO ACCOMMODATE SNOW MANAGEMENT AS SET FORTH IN THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

DEGRADE EROSION AND SEDIMENT CONTROL PRACTICES

FROZEN GROUND, WINTER CONDITIONS AND EQUIPMENT CAN AFFECT EROSION AND SEDIMENT CONTROL PRACTICES. CHECK FOR DAMAGE DURING MONTHLY INSPECTIONS AND REPAIR AS NECESSARY. THIS IS ESPECIALLY IMPORTANT DURING THAWS AND PRIOR TO SPRING RAIN EVENTS. WEEKLY INSPECTIONS SHALL RESUME NO LATER THAN MARCH 15 OR AS DIRECTED BY THE ENGINEER.

SEDIMENT AND EROSION CONTROL NOTES

- INSTALL ALL SOIL EROSION CONTROLS REQUIRED BY THE CONTRACT BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN. NOTIFY THE ENGINEER TO PERFORM A PRECONSTRUCTION STORMWATER INSPECTION. NO DISTURBANCE OF THE SITE SHALL OCCUR UNTIL STORMWATER AND FROSION CONTROL MEASURES ARE ACCEPTED BY THE ENGINEER.
- NFCESSARY MEASURES SHALL BE TAKEN TO REDUCE THE DISTURBANCE OF EXISTING VEGETATED AREAS TO THE MINIMUM AS REQUIRED BY THE WORK. THESE MEASURES SHALL INCLUDE THE CLEAR MARKING OF ALL CONSTRUCTION LIMITS AND THE DELINEATION OF ALL VEGETATED AREAS
- 3. PROVIDE TEMPORARY SEEDING AND MULCH ON ANY AREA WHERE THE EXISTING VEGETATED COVER OR OTHER PROTECTIVE SURFACE HAS BEEN REMOVED OR SUBSTANTIALLY DISTURBED AND FURTHER WORK ON THAT AREA WILL NOT OCCUR WITHIN THE SUCCEEDING 14 CALENDAR DAYS.
- 4. LIMIT ACCESS ON UNSTABILIZED SOIL SURFACES TO THOSE VEHICLES NECESSARY FOR THE WORK. DO NOT PARK EMPLOYEES VEHICLES ON ERODIBLE SOIL SURFACES. STABILIZED AND PROTECT SOIL SURFACES TO MINIMIZE THE GENERATION OF DUST AND THE OFF-SITE VEHICLE TRACKING OF SOIL MATERIALS.
- THE CONDITION OF ALL EROSION CONTROL MEASURES IN THE CONSTRUCTION SITE SHALL BE JOINTLY INSPECTED AT LEAST ONCE EVERY WEEK BY THE ENGINEER AND THE CONTRACTOR. DEFICIENCIES FOUND SHALL BE CORRECTED WITHIN THREE CALENDAR DAYS OF INSPECTION.
- NO DEVIATIONS FROM THE DETAILS SHOWN SHALL BE ALLOWED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

SEDIMENT CONTROL.

ALL LOCATIONS SHOWN ON THE CONTRACT DRAWINGS.

GREATER THAN 3:1 (H: V), OR AS CALLED FOR ON THE CONTRACT DRAWINGS.

AWAY FROM THAT LOCATION.

6. SNOW MANAGEMENT - SNOW MANAGEMENT SHALL NOT DESTROY OR

- TO BE PROTECTED SO AS TO EXCLUDE ALL EQUIPMENT.

1407 SCALP AVENUE JOHNSTOWN, PA 15904-3329 PHONE: 814-269-9300 FAX: 814-269-9301 www.hflenz.com © 2024 H.F. LENZ COMPANY

GENERAL NOTES:

KEYNOTES:

KEYPLAN

ORANGEBURG

PLAN NORTH TRUE NORTH

NOTES:

世 H.F. LENZ

ENGINEERING

Sam A TYLin Company NEW YORK, NY 10001 TEL: (212) 598-9010

ISSUES

REVISIONS 9/08/2017 PER RESOLUTION CONDITIONS 11/03/2017 TOWN, SWM & STAGING COMMENT 11/17/2017 TOWN COMMENTS 12/05/2017 ADD WRC BUILDING 6 4/19/2017 GRADING REVISIONS 12/11/2024 PHASE III & NEW MASTER PLAN



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NOTE (

EA01678-SSE-NANEC0 C401

CONSTRUCTION SPECIFICATIONS

- 1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
- 2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- 3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
- 4. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
- 5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
- 6. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- 7. ALL FILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
- 10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- 11. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
- 12. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
- 14. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

DAILY UTILITY TRENCH EXCAVATION VARIES

MAXIMUM DAILY DISTURBANCE-10,000 SF

N.T.S.

CONTRACTOR TO BACKFILL THE SAME DAY AS THE UTILITY IS PLACED.

TOTAL DAILY DISTURBANCES LESS THAN 10,000 SF

CONTRACTOR TO PERFORM TRENCH EXCAVATION WITH MINIMAL DISTURBANCE TO SURROUNDING AREAS.

TYPICAL UTILITY TRENCH EXCAVATION

PAVEMENT

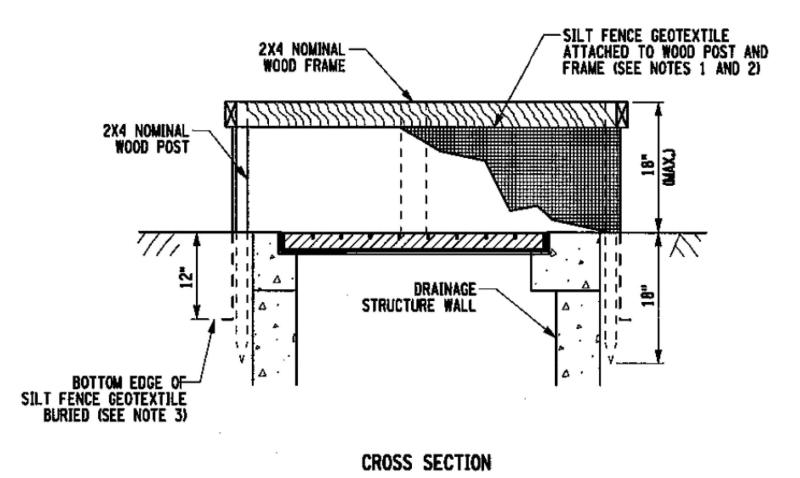
SEE NOTE 2

2X4 NOMINAL WOOD POST

SILT FENCE GEOTEXTILE ATTACHED TO 2X4 NOMINAL WOOD FRAME

PLAN

DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY (SILT FENCE)

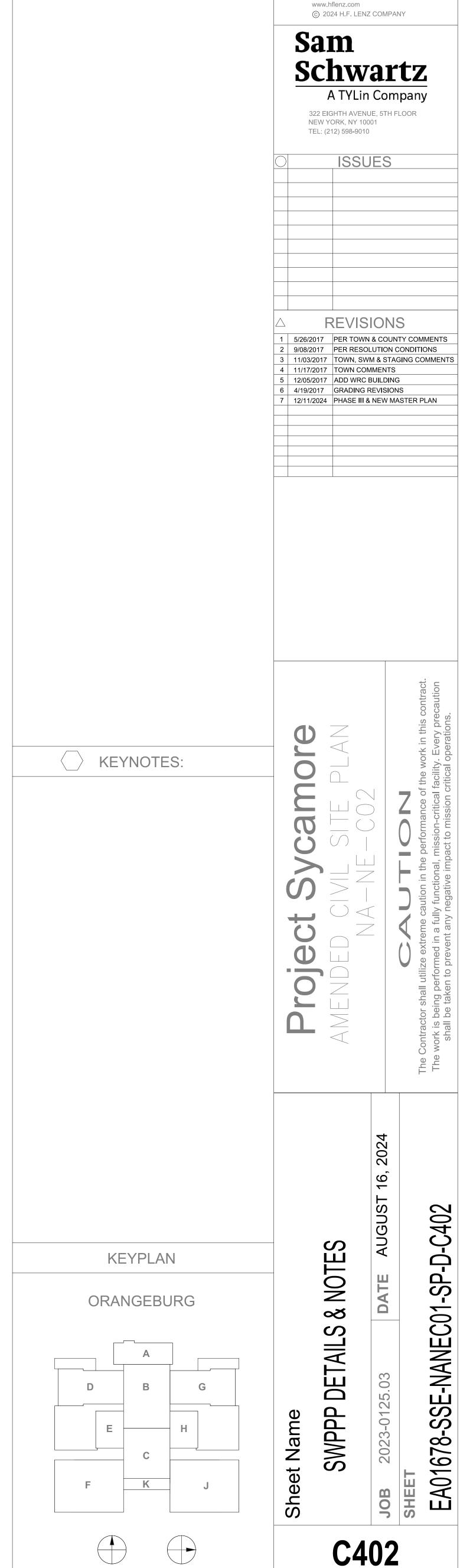


DRAINAGE STRUCTURE INLET PROTECTION - TEMPORARY (SILT FENCE)

GENERAL NOTES:

- 1. APPROVED SILT FENCE GEOTEXTILES §737-01. ARE LISTED ON THE DEPARTMENT'S APPROVED LIST. SILT FENCE GEOTEXTILE SHALL BE A SINGLE CONTINUOUS PIECE TO ELIMINATE JOINTS. OVERLAP GEOTEXTILE ENDS TO THE NEXT POST.
- SPACE POSTS EVENLY AROUND INLET WITH A MAXIMUM SPACING OF 3'. WIRE MESH MAY BE REQUIRED BEHIND GEOTEXTILE TO PROVIDE SUPPORT. POSTS SHALL BE DRIVEN CLOSE TO THE INLET TO MINIMIZE EXPOSED SOIL BETWEEN THE INLET AND THE PRACTICE. DRIVE POSTS A MINIMUM OF 18" INTO GROUND (SILT FENCE) OR A MINIMUM OF 12" (SEDIMENT FILTER LOG).
- 3. SILT FENCE GEOTEXTILE SHALL BE EMBEDDED 12" AND BACKFILLED. GEOTEXTILE SHALL BE SECURELY FASTENED TO POSTS AND FRAME.
- 4. GRAVEL BAGS SHALL BE INDIVIDUALLY TIED, DOUBLE BAGGED AND INVERSELY INSERTED.
 GRAVEL BAGS SHALL LAP THE JOINTS BETWEEN THE BAGS IN THE LAYER BELOW. GRAVEL
 BAGS SHALL BE PLACED AS CLOSE AS POSSIBLE TO THE GRATE TO MINIMIZE EXPOSED SOIL
 BETWEEN THE INLET AND THE PRACTICE.
- 5. SEDIMENT FILTER LOGS SHALL BE SECURED TO THE SOIL SURFACE WITH WOODEN POSTS SPACED A MAXIMUM OF 2' APART. WHEN USED ON A PAVED SURFACE, THE LOG ENDS SHALL BE FASTENED WITH PLASTIC TIES OR IN ACCORDANCE WITH MANUFACTURER'S
- 6. MEASURES SHALL BE INSPECTED AFTER EVERY RUNOFF EVENT AND REPAIRED AS NECESSARY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES ONE-HALF THE MEASURE HEIGHT (STORAGE CAPACITY). SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIALS.

INLET PROTECTION SYMBOL N.T.S.



TRUE NORTH

PLAN NORTH

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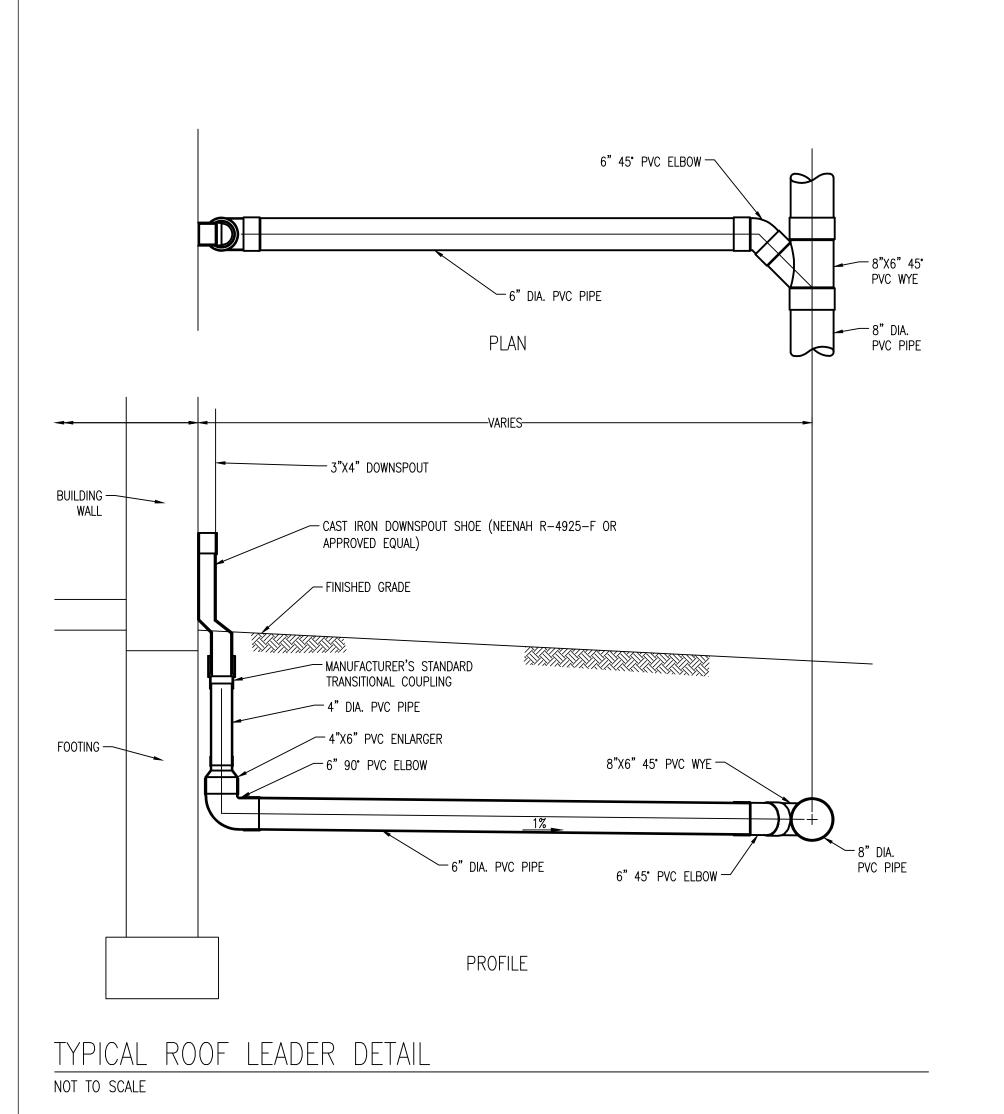
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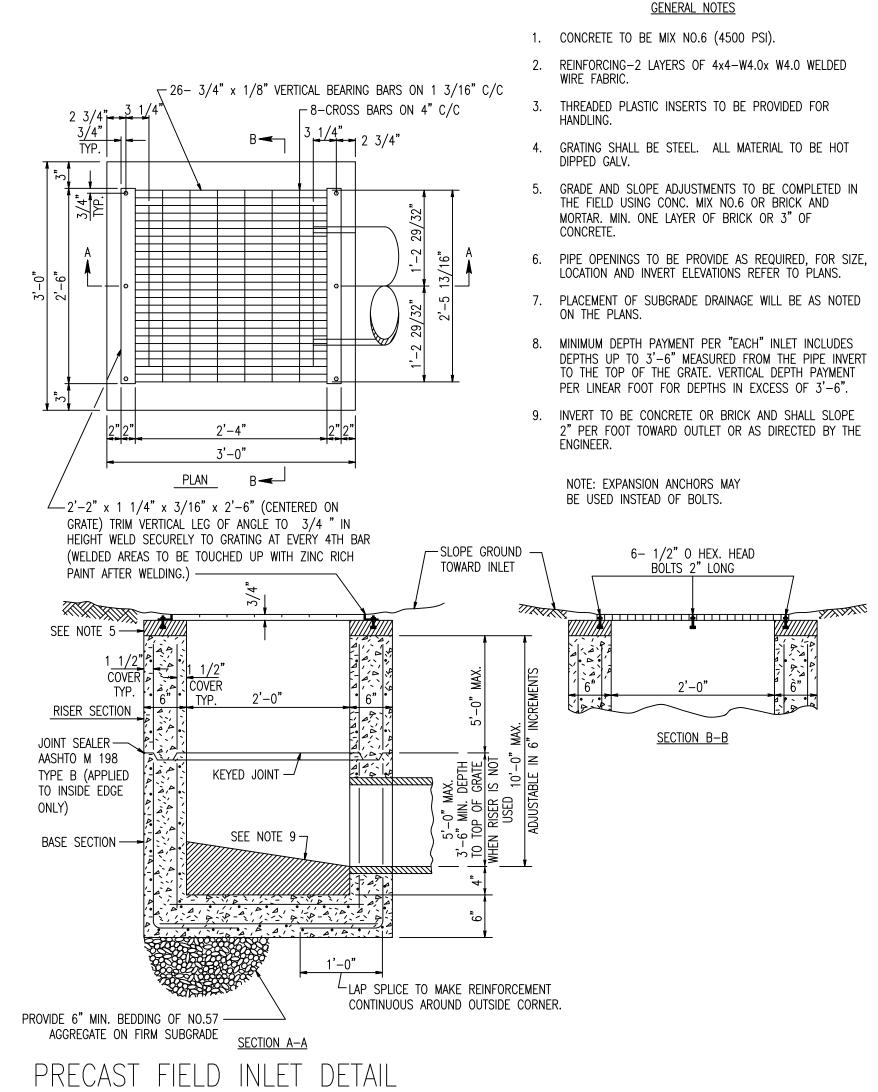
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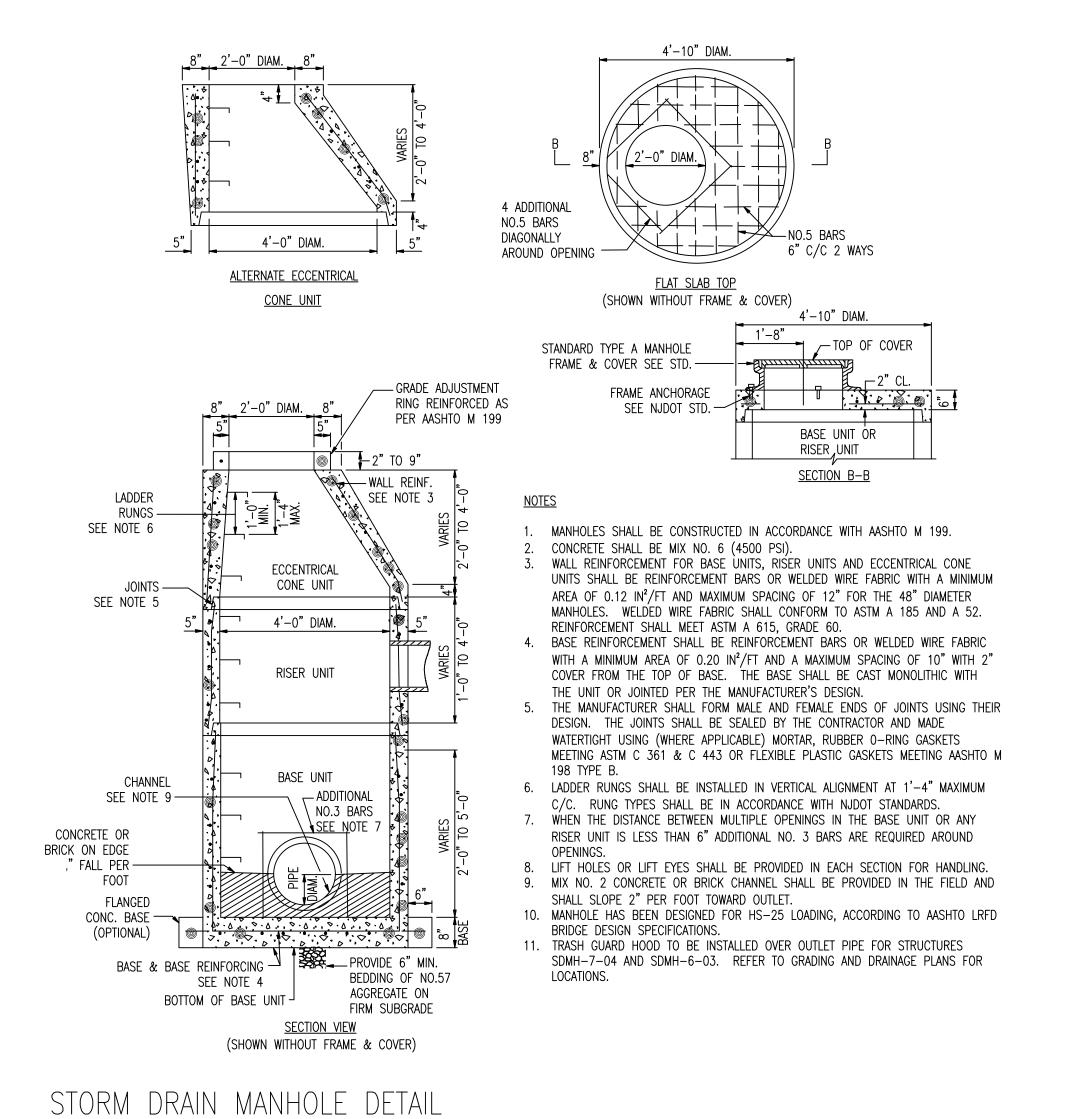
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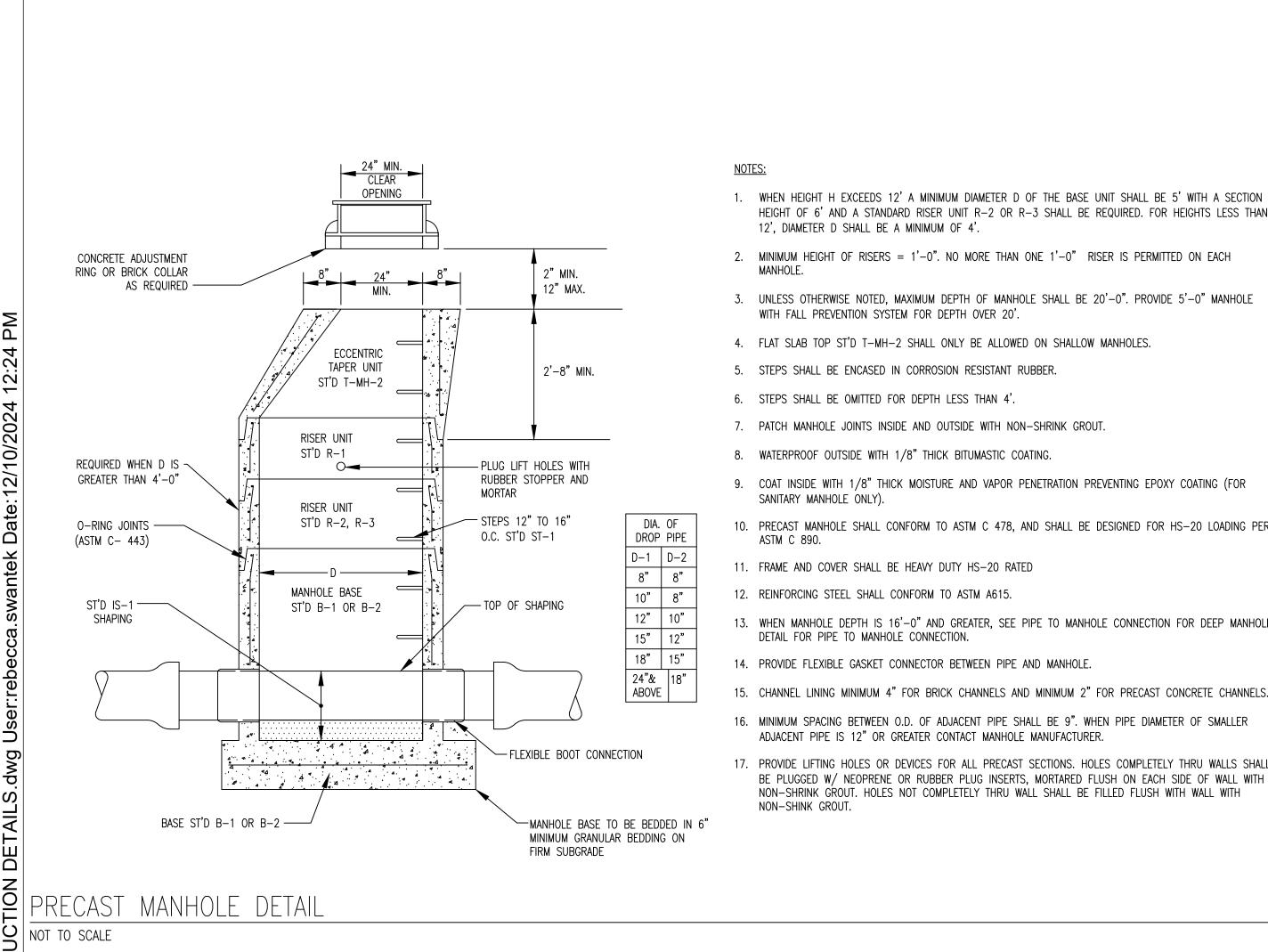
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2' TO 4' DISTURBANCE









1. WHEN HEIGHT H EXCEEDS 12' A MINIMUM DIAMETER D OF THE BASE UNIT SHALL BE 5' WITH A SECTION HEIGHT OF 6' AND A STANDARD RISER UNIT R-2 OR R-3 SHALL BE REQUIRED. FOR HEIGHTS LESS THAN 12', DIAMETER D SHALL BE A MINIMUM OF 4'. 2. MINIMUM HEIGHT OF RISERS = 1'-0". NO MORE THAN ONE 1'-0" RISER IS PERMITTED ON EACH 3. UNLESS OTHERWISE NOTED, MAXIMUM DEPTH OF MANHOLE SHALL BE 20'-0". PROVIDE 5'-0" MANHOLE

NOT TO SCALE

WITH FALL PREVENTION SYSTEM FOR DEPTH OVER 20'. 4. FLAT SLAB TOP ST'D T-MH-2 SHALL ONLY BE ALLOWED ON SHALLOW MANHOLES.

5. STEPS SHALL BE ENCASED IN CORROSION RESISTANT RUBBER.

6. STEPS SHALL BE OMITTED FOR DEPTH LESS THAN 4'.

8. WATERPROOF OUTSIDE WITH 1/8" THICK BITUMASTIC COATING.

9. COAT INSIDE WITH 1/8" THICK MOISTURE AND VAPOR PENETRATION PREVENTING EPOXY COATING (FOR

10. PRECAST MANHOLE SHALL CONFORM TO ASTM C 478, AND SHALL BE DESIGNED FOR HS-20 LOADING PER

11. FRAME AND COVER SHALL BE HEAVY DUTY HS-20 RATED

12. REINFORCING STEEL SHALL CONFORM TO ASTM A615.

13. WHEN MANHOLE DEPTH IS 16'-0" AND GREATER, SEE PIPE TO MANHOLE CONNECTION FOR DEEP MANHOLE

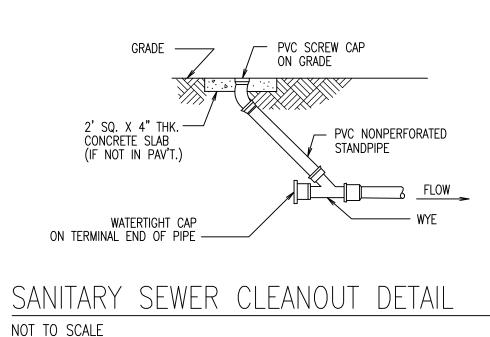
14. PROVIDE FLEXIBLE GASKET CONNECTOR BETWEEN PIPE AND MANHOLE.

16. MINIMUM SPACING BETWEEN O.D. OF ADJACENT PIPE SHALL BE 9". WHEN PIPE DIAMETER OF SMALLER

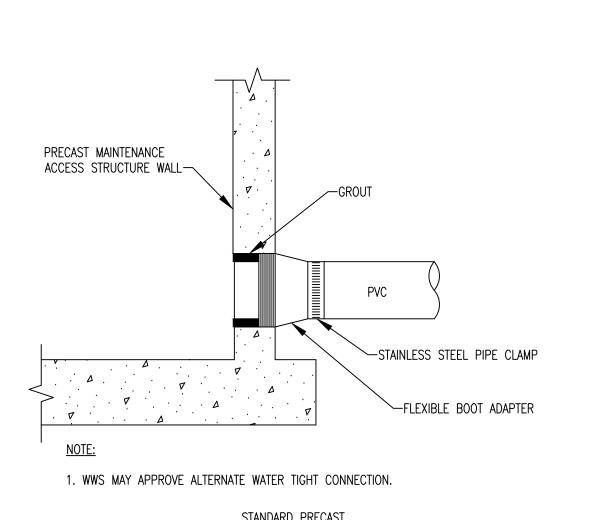
ADJACENT PIPE IS 12" OR GREATER CONTACT MANHOLE MANUFACTURER.

17. PROVIDE LIFTING HOLES OR DEVICES FOR ALL PRECAST SECTIONS. HOLES COMPLETELY THRU WALLS SHALL BE PLUGGED W/ NEOPRENE OR RUBBER PLUG INSERTS, MORTARED FLUSH ON EACH SIDE OF WALL WITH NON-SHRINK GROUT. HOLES NOT COMPLETELY THRU WALL SHALL BE FILLED FLUSH WITH WALL WITH

> 1. ALL SANITARY SEWER MANHOLES SHALL HAVE GASKETED LIDS AND VANDAL RESISTANT BOLTS. FRAME ANCHORAGE FOR PRECAST MANHOLE DETAIL



SANITARY SEWER CLEANOUT DETAIL



STANDARD PRECAST

MAINTENANCE ACCESS STRUCTURE PIPE CONNECTION

MANHOLE CONNECTION DETAIL NOT TO SCALE

世 H.F. LENZ **GENERAL NOTES:** ENGINEERING 1407 SCALP AVENUE JOHNSTOWN, PA 15904-3329 PHONE: 814-269-9300 FAX: 814-269-9301 www.hflenz.com © 2024 H.F. LENZ COMPANY Sam A TYLin Company 322 EIGHTH AVENUE, 5TH FLOOR NEW YORK, NY 10001 TEL: (212) 598-9010 ISSUES REVISIONS 5/26/2017 PER TOWN & COUNTY COMMENTS 9/08/2017 PER RESOLUTION CONDITIONS 11/03/2017 TOWN, SWM & STAGING COMMENTS 11/17/2017 TOWN COMMENTS 12/05/2017 ADD WRC BUILDING 4/19/2017 GRADING REVISIONS 12/11/2024 PHASE III & NEW MASTER PLAN Ore **KEYNOTES**: roje 16, AILS KEYPLAN 四 ORANGEBURG JOB 2023-0125.03
SHEET
EA01678-SSE-NANEC01 CONSTRUCTIO

C-701

TRUE NORTH

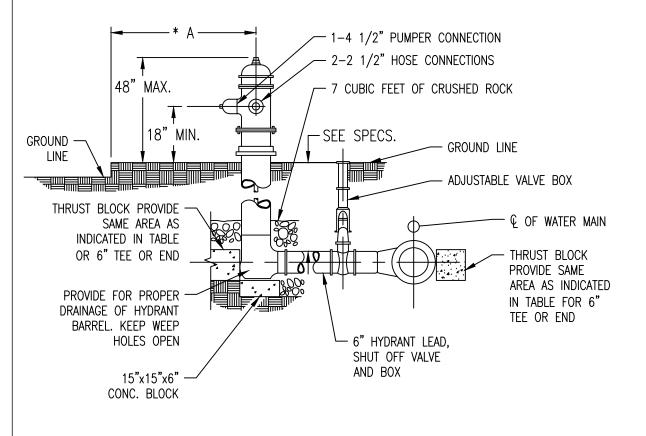
PLAN NORTH

3- 1/2 " O HEX HEAD BOLTS -WITH THREADED INSERTS OR 3- 1/2 " THREADED STUDS WITH HEX HEAD NUTS. STUDS TO BE GROUTED IN PLACE -3- 5/8 " O HOLES FIELD OR ANCHORED WITH A CONCRETE COMPATIBLE DRILLED THROUGH FRAME CHEMICAL ADHESIVE. TYPE A MANHOLE FRAME AND COVER SEE STD. MD 383.31 & MD 383.32 GRADE ADJUSTMENT VARIES - ECCENTRICAL CONE UNIT, ALTERNATE ECCENTRICAL CONE UNIT OR FLAT SLAB TOP (SHOWN IS THE ECCENTRICAL CONE

NOT TO SCALE

SECTION A-A GENERAL NOTES

NOT TO SCALE

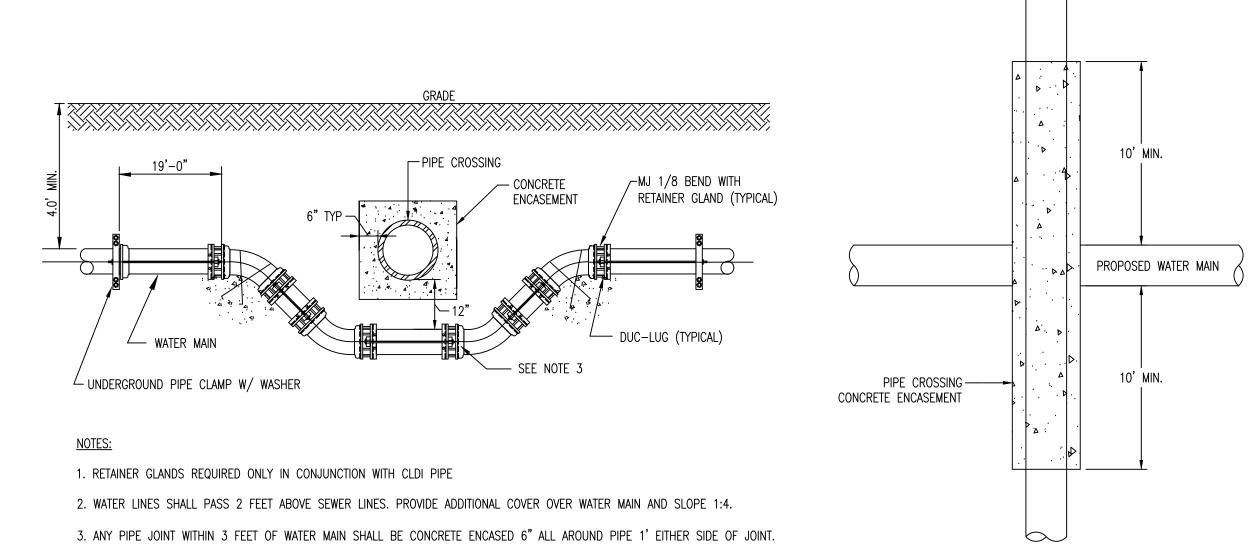


* A =7'-0" FROM BACK OF PAVEMENT WHERE NO CURB EXISTS OR 4'-0" FROM BACK OF CURB.

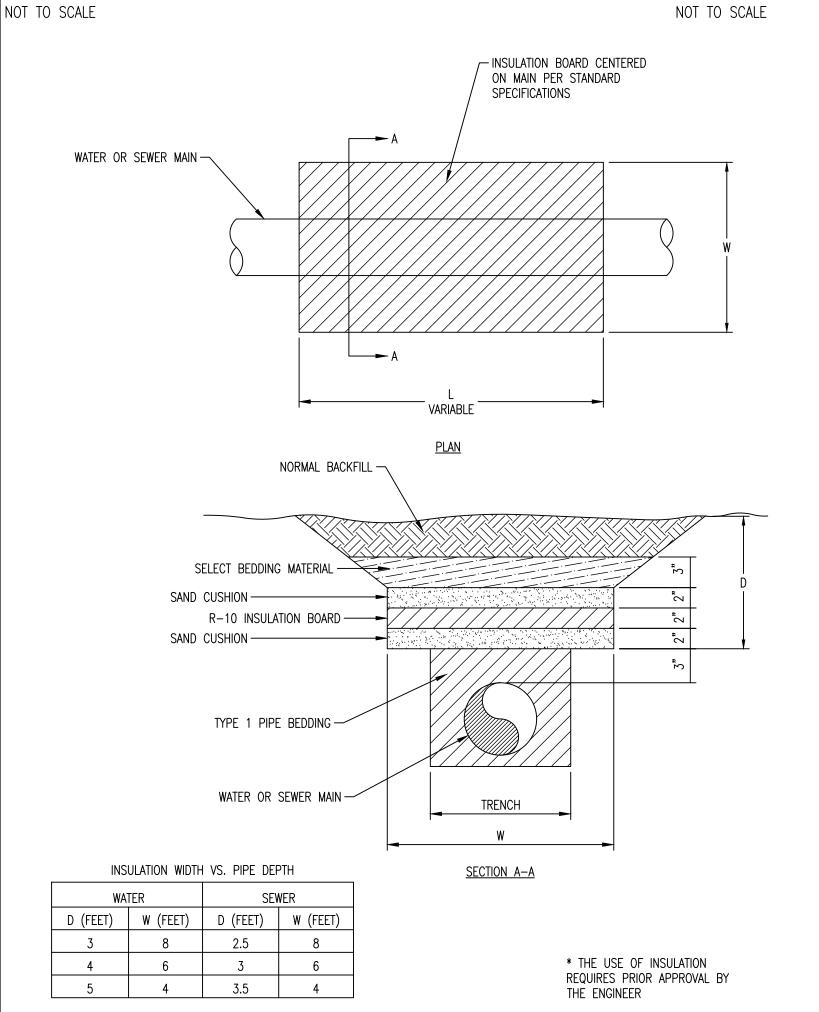
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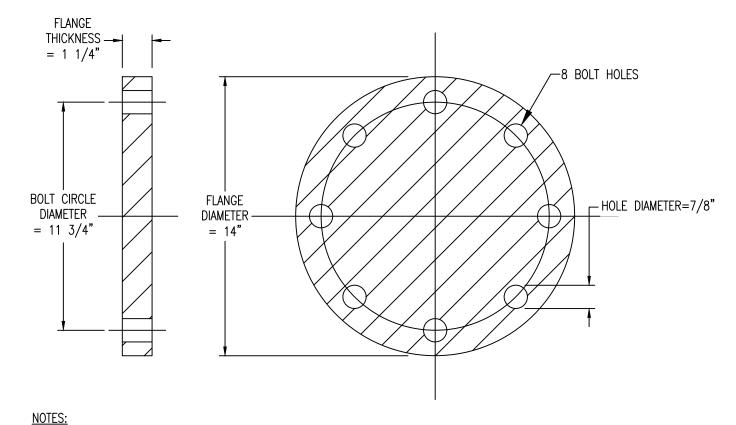
- 1. HYDRANT COATED WITH YELLOW REFLECTIVE PAINT.
- 2. USE RESTRAINED JOINTS FOR THE ENTIRE ASSEMBLY SHOWN.
- 3. HYDRANT SET BACK SHALL CONFORM TO MDOT REQUIREMENTS, WHERE APPLICABLE.
- 4. GATE VALVE IS NORMALLY LOCATED NEXT TO TEE.
- 5. IF DISTANCE FROM MAIN LINE TO FIRE HYDRANT IS GREATER THAN 20 FEET, ANOTHER GATE VALVE WILL BE PROVIDED CLOSE TO THE HYDRANT. THIS SECOND VALVE SHALL BE INSTALLED WITHIN 5' OF THE FIRE HYDRANT. CHECK VALVE SHALL BE WITHIN 3' OF FIRE HYDRANT UNLESS CHECK VALVE INTEGRAL TO HYDRANT ASSEMBLY.
- 6. HYDRANT FEED PIPE MAY BE TAPPED FOR A SERVICE LINE UPSTREAM OF THE ISOLATION GATE VALVE.

FIRE HYDRANT INSTALLATION DETAIL NOT TO SCALE



TYPICAL WATER OFFSET UNDER UTILITY SECTION AND PLAN DETAIL

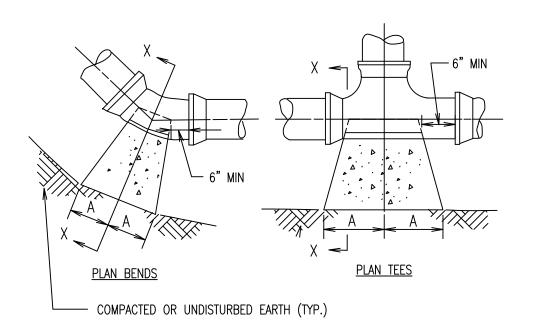


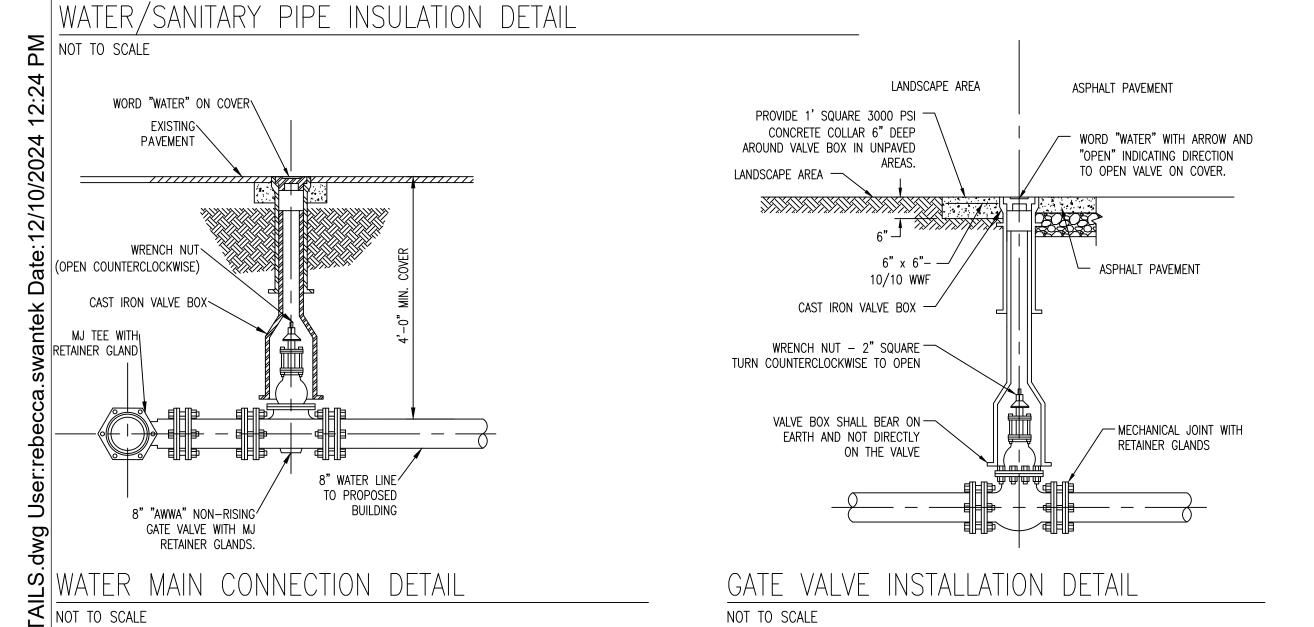


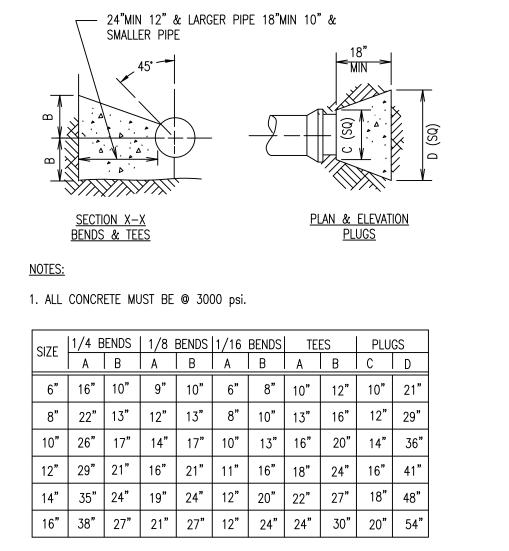
DETAIL SHOWN IS FOR 8" DIAMETER WATER PIPE.
 AN EPDM GASKET SHALL BE INSERTED BETWEEN PIPE AND FLANGE.

WATER END CAP BOLTED BLIND FLANGE DETAIL

NOT TO SCALE

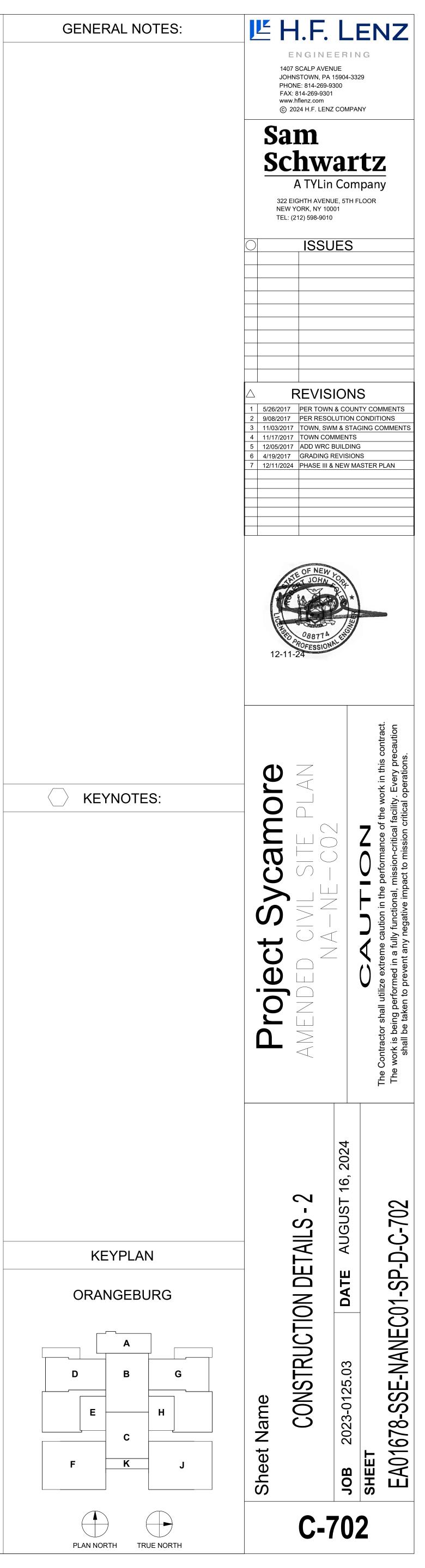


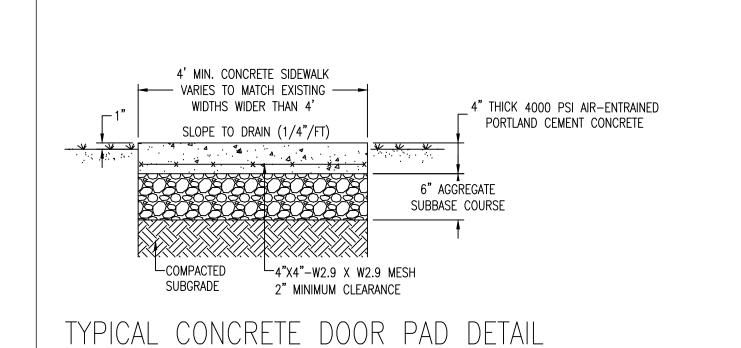




THRUST BLOCKS DETAIL

NOT TO SCALE

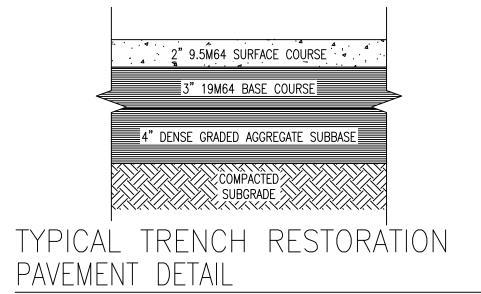


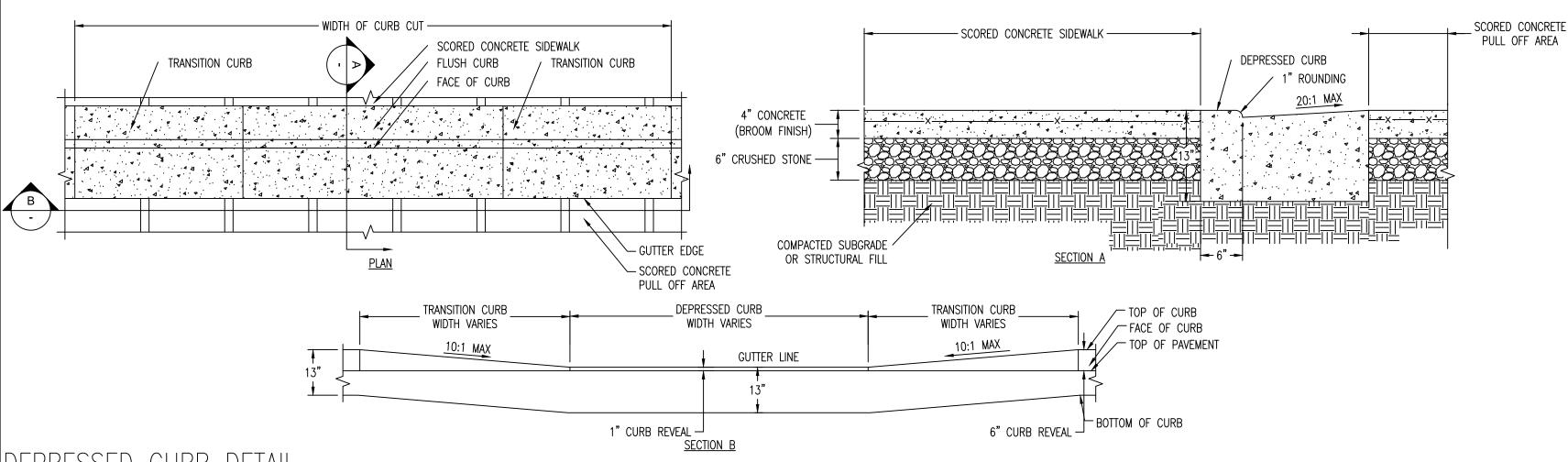


NOT TO SCALE

2" HMA 9.5M64
SURFACE COURSE
3" HMA 19.5M64
BASE COURSE
4" DENSE GRADED
AGGREGATE BASE COURSE
COMPACTED SUBGRADE

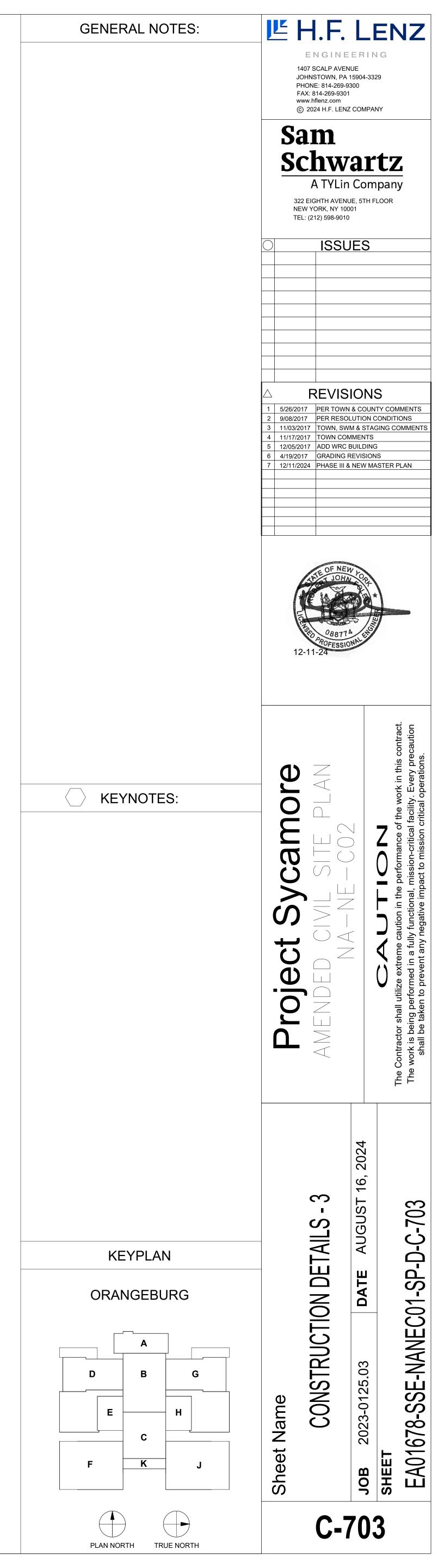






DEPRESSED CURB DETAIL

NOT TO SCALE



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