

CIVIL SPECIFICATIONS

DIVISION 31 EARTH WORK

31 10 00 SITE CLEARING (DEMOLITION)

- A. CONTRACTOR SHALL CALL DIG SAFE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING SITE DEMOLITION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- B. DEMOLITION PLAN IS AN OVERVIEW OF DEMOLITION TO TAKE PLACE ON SITE. CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE, REPLACE, OR DEMOLISH ALL ITEMS AS NOTED DURING CONSTRUCTION.
- C. CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS THAT ARE SCHEDULED TO REMAIN. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
- D. ALL CONCRETE NOTED TO BE REMOVED SHALL BE REMOVED BY THE NEAREST CONTROL JOINT.

31 20 00 EARTH MOVING

- A. CONTRACTOR SHALL CALL DIG SAFE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING EXCAVATION. DESIGN ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- B. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT FOR ALL EXCAVATION, GRADING, FILL AND BACKFILL WORK AS REQUIRED TO COMPLETE THE GENERAL CONSTRUCTION WORK. ALL EXCAVATION AND BACKFILL FOR ELECTRICALS AND MECHANICALS ARE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR UNLESS OTHERWISE SPECIFIED IN THE BID DOCUMENTS.
- C. ALL ORGANIC TOPSOIL, UNDER PAVED AREAS, AND AT SITE FILL AREAS SHALL BE REMOVED. PROOF ROLL SUBGRADES BEFORE PLACING FILL WITH HEAVY PNEUMATIC TIRED EQUIPMENT, SUCH AS A FULLY LOADED TANDEN AXLE DUMP TRUCK, TO IDENTIFY SOFT SPOTS AND AREAS OF EXCESS YIELDING. CONTRACTOR SHALL VERIFY TOPSOIL DEPTHS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND ACCOUNT FOR EXISTING CONDITIONS PRIOR TO SUBMITTING BID FOR THE PROJECT. EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED IN THE PLANS OR BY LOCAL ZONING REQUIREMENTS.
- D. PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS. UNIFORM MOISTURE OR AERATE SUBGRADE AND EACH LAYER SUBSEQUENT FILL OR BACKFILL BEFORE COMPACTION AS RECOMMENDED TO ACHIEVE SPECIFIED DRY DENSITY. REMOVE AND REPLACE OR SCARIFY AND AIR DRY, OTHERWISE SATISFACTORY SOIL MATERIAL, THAT IS TOO WET TO COMPACT TO THE SPECIFIED DRY DENSITY.
- E. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 18" IN LOOSE DEPTH FOR MATERIAL, COMPACTED BY HEAVY CONVEYOR OR MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
- F. COMPACT THE SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698 STANDARD PROCTOR TEST FILL MAY NOT BE PLACED ON FROZEN GROUND AND NO FROZEN MATERIAL MAY BE USED FOR BACK FILL. APPLY THE MORE STRINGENT REQUIREMENTS WHEN COMPARING BETWEEN THE FOLLOWING AND THE GEOTECHNICAL REPORT.
1. UNDER FOUNDATIONS - SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 98 PERCENT.
2. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS MORE THAN 3 FEET BELOW THE SLAB - PLACE A DRAINAGE COURSE LAYER OF 3/4" CRUSHED STONE, WITH 1% TO 2% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS. ON PREPARED SUBGRADE, COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
3. UNDER INTERIOR SLAB-ON-GRADE WHERE GROUNDWATER IS WITHIN 3 FEET OF THE SLAB SURFACE - PLACE A DRAINAGE COURSE LAYER OF CLEAN 3/4" CRUSHED STONE, WITH NO MORE THAN 2% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS OR PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
4. UNDER EXTERIOR CONCRETE AND ASPHALT PAVEMENTS - COMPACT THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
5. UNDER WALKWAYS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
6. UNDER LAWN OR UNPAVED AREAS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
- G. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS. CONTRACTOR PROVIDE DOCUMENTATION OF PASSING DENSITY TESTING AND PROOF ROLLING TO ENGINEER UPON COMPLETION. IT IS SUGGESTED THAT THE GEOTECHNICAL FIRM USE TO PERFORM THE SUBSURFACE SOIL INVESTIGATION BE ENGAGED FOR THE QUALITY CONTROL TESTS. THE REPORT MUST BE PREPARED BY THE FOLLOWING AND THE GEOTECHNICAL FIRM USE.
- H. ALLOW THE TESTING AGENCY TO TEST AND INSPECT SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER THE TESTING AGENCY HAS NOTICED THAT THE EARTHWORK COMPLY WITH REQUIREMENTS. PROVIDE ONE TEST FOR EVERY 2000 SQUARE FEET OF PAVED AREA OR BUILDING SLAB. ONE TEST FOR EACH PAVED FOOTING, AND ONE TEST FOR EVERY 50 LINEAR FEET OF WALL STOP FOOTING.
- I. WHEN THE TESTING AGENCY REPORTS THAT SUBGRADES, FILLS OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTION SPECIFIED, SCARIFY AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED. RECOMPACT AND RE-TEST UNTIL SPECIFIED COMPACTION IS ACHIEVED.
- J. THE BUILDING SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING AS INDICATED ON THE PLANS. SITE EARTHWORK SHALL BE GRADED TO WITHIN 1/8" OF REQUIRED EARTHWORK ELEVATIONS ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE GRADING PLAN.

31 30 00 EROSION CONTROL/STORMWATER MANAGEMENT

- A. THE EXCEL ENGINEERING DESIGN ENGINEER SHALL PREPARE A SITE SPECIFIC EROSION CONTROL AND A STORMWATER MANAGEMENT PLAN PURSUANT TO MAINE DEP REGULATIONS. THE DESIGN ENGINEER SHALL ALSO FILE A NOTICE OF INTENT TO COMPLY MAINE CONSTRUCTION GENERAL PERMIT.
- B. CONTRACTOR SHALL KEEP THE CONSTRUCTION GENERAL PERMIT, APPROVED EROSION CONTROL AND STORMWATER MANAGEMENT PLANS, AND PLAN AMENDMENTS ON THE CONSTRUCTION SITE AT ALL TIMES UNTIL PERMIT COVERAGE IS TERMINATED.
- C. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL EROSION CONTROL PERMITS.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE MINIMUM REQUIREMENTS FOR EROSION REPORTING REQUIREMENTS OF MAINE DEP STANDARDS. INSPECTIONS TO IMPLEMENT EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MUST AT A MINIMUM BE INSPECTED EVERY 7 CALENDAR DAYS OR EVERY 14 DAYS AND WITHIN 24 HOURS OF THE END OF A RAIN EVENT OF 0.5" OR MORE. A RAIN EVENT MAY BE CONSIDERED TO BE THE TOTAL AMOUNT OF PRECIPITATION RECORDED IN ANY CONTIGUOUS 24-HOUR PERIOD. CONTRACTOR SHALL REPAIR EROSION AND SEDIMENT CONTROL AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR AFTER A DEPARTMENT NOTIFICATION WHERE REPAIR OR REPLACEMENT IS REQUESTED.
- E. THE CONTRACTOR SHALL MAINTAIN, AT THE CONSTRUCTION SITE OR AVAILABLE VIA AN INTERNET WEBSITE, WEEKLY WRITTEN REPORTS OF ALL INSPECTIONS CONDUCTED. WEEKLY INSPECTION REPORTS SHALL INCLUDE ALL OF THE FOLLOWING:
1. THE DATE, TIME, AND LOCATION OF THE CONSTRUCTION SITE INSPECTION.
 2. THE NAME OF THE INDIVIDUALS CONDUCTING THE INSPECTIONS.
 3. AN ASSESSMENT OF THE CONDITION OF THE EROSION AND SEDIMENT CONTROLS.
 4. A DESCRIPTION OF ANY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED.
 5. A DESCRIPTION OF THE PRESENT PHASE OF LAND DISTURBING CONSTRUCTION ACTIVITY AT THE CONSTRUCTION SITE.
- F. EROSION AND SEDIMENT CONTROL IMPLEMENTED DURING CONSTRUCTION SHALL STRICTLY COMPLY WITH THE GUIDELINES AND REQUIREMENTS SET FORTH IN MAINE EROSION AND SEDIMENT CONTROL GUIDE FOR CONTRACTORS. TECHNICAL STANDARDS PUBLISHED BY THE MAINE DEP SHALL ALSO BE UTILIZED TO IMPLEMENT THE REQUIRED PERFORMANCE STANDARDS. THE METHODS AND TYPES OF EROSION CONTROL WILL BE DEPENDENT ON THE LOCATION AND TYPE OF WORK INVOLVED. ALL SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION, AND INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL. BELOW IS A LIST OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES TO ACHIEVE THE PERFORMANCE STANDARDS REQUIRED.
1. SILT FENCE SHALL BE PLACED ON SITE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. SILT FENCE SHALL ALSO BE PROVIDED AROUND THE PERIMETER OF ALL SOIL STOCKPILES THAT WILL EXIST FOR MORE THAN 7 DAYS. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL GUIDE FOR CONTRACTORS.
2. DITCH CHECKS SHALL BE PROVIDED TO REDUCE THE VELOCITY OF WATER FLOWING IN DITCH BOTTOMS. PLACE AT LOCATIONS SHOWN ON THE EROSION CONTROL PLAN. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL GUIDE FOR CONTRACTORS.
3. STONE TRACING PADS AND TRACKOUT CONTROL PRACTICES SHALL BE PLACED AT EACH CONSTRUCTION SITE ENTRANCES AND SHALL BE INSTALLED PRIOR TO ANY PAVING LEAVING THE CONSTRUCTION SITE. SEE THE EROSION CONTROL PLAN FOR LOCATIONS. THE AGGREGATE USED FOR THE STONE TRACING PAD SHALL BE 1/8" TO 3/4" INCH CLEAR OR WASHED STONE AND SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. THE STONE SHALL BE UNDERLAIN WITH A TYPE E GEOTEXTILE FABRIC AS NEEDED. THE TRACING PAD SHALL BE THE FULL WIDTH OF THE EROSION POINT (10' MIN WIDTH) AND SHALL BE A MINIMUM OF 50 FEET LONG. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACING PAD. OTHER TRACKOUT CONTROL PRACTICES INCLUDING STABILIZED WORK SURFACES, MANUFACTURED TRACKOUT CONTROL DEVICES, TIRE WASHING, AND STREET/PAVEMENT CLEANING SHALL BE IMPLEMENTED AS NECESSARY TO MITIGATE THE TRACKOUT OF SEDIMENT OFFSITE. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL GUIDE FOR CONTRACTORS.
4. STORM DRAIN INLET PROTECTION SHALL BE PROVIDED FOR ALL NEW AND DOWNSTREAM STORM CATCH BASINS AND CURB INLETS. PROTECTION SHOULD BE PROVIDED AND SHALL BE IN CONFORMANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS.
5. DUST CONTROL MEASURES SHALL BE PROVIDED TO REDUCE OR PREVENT THE SURFACE AND AIR TRANSPORT OF DUST DURING CONSTRUCTION. CONTROL MEASURES INCLUDE APPLYING MULCH AND ESTABLISHING VEGETATION, WATER SPRAYING, SURFACE ROUGHENING, APPLYING POLYMERS, SPRAY-ON TACKERS, CHIPPINGS, AND BARBERS. SOME SITES MAY REQUIRE AN APPROACH THAT UTILIZES A COMBINATION OF MEASURES FOR DUST CONTROL. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS.
6. THE USE, STORAGE, AND DISPOSAL OF CHEMICALS, CEMENT, AND OTHER COMPOUNDS AND MATERIALS USED ON SITE SHALL BE MANAGED DURING THE CONSTRUCTION PERIOD TO PREVENT THEIR TRANSPORT BY RUNOFF INTO WATER OF THE STATE.
7. CONTRACTOR SHALL PROVIDE AN OPEN AGGREGATE CONCRETE TRUCK WASHOUT AREA ON SITE. CONTRACTOR TO ENSURE THAT CONCRETE WASHOUT SHALL BE CONTAINED TO THIS DESIGNATED AREA AND NOT BE ALLOWED TO RUN INTO STORM INLETS OR INTO THE OVERLAND STORMWATER DRAINAGE SYSTEM. WASHOUT AREA SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.
8. TEMPORARY SITE RESTORATION SHALL TAKE PLACE IN DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 14 DAYS AND REQUIRES VEGETATIVE COVER FOR LESS THAN ONE YEAR. THIS TEMPORARY SITE RESTORATION REQUIREMENT ALSO APPLIES TO SOIL STOCKPILES THAT EXIST FOR MORE THAN 7 DAYS. PERMANENT RESTORATION APPLIES TO AREAS WHERE PERENNIAL VEGETATIVE COVER IS NEEDED TO PERMANENTLY STABILIZE AREAS OF EXPOSED SOIL. PERMANENT STABILIZATION SHALL OCCUR WITHIN 3 WORKING DAYS OF FINAL GRADING. TOPSOIL, SEED, AND MULCH SHALL BE IN PLACE FOR CONFORMANCE WITH MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR FINAL STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
9. SITE DRAINAGING IS REQUIRED FOR PROPOSED CONSTRUCTION ACTIVITIES. ALL SEDIMENT LADEN WATER GENERATED DURING THE DRAINAGING PROCESS SHALL BE TREATED TO REMOVE SEDIMENT PRIOR TO DISCHARGING OFF SITE OR TO WATERS OF THE STATE. FOLLOW ALL PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS.
10. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION WORK OR A STORM EVENT SHALL BE CLEANED UP BY THE END OF EACH WORKING DAY. DUST CONTROL REQUIREMENTS SHALL BE FOLLOWED PER MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS. FLUSHING SHALL NOT BE ALLOWED.
- G. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE AREAS SERVED HAVE ESTABLISHED VEGETATIVE COVER.
- H. ONCE THE CONSTRUCTION SITE HAS BEEN FULLY STABILIZED AND TEMPORARY EROSION CONTROL BEST MANAGEMENT PRACTICES HAVE BEEN REMOVED, THE CONTRACTOR SHALL FILE A CONSTRUCTION NOTICE OF TERMINATION WITH THE MAINE DEP.
- I. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL GIVE THE OWNER COPIES OF THE EROSION CONTROL AND STORM WATER MANAGEMENT PLANS, AMENDMENTS TO PLANS, SUPPORTING PLAN DATA, AND CONSTRUCTION SITE EROSION CONTROL INSPECTION REPORTS. THE OWNER SHALL RETAIN THESE FOR A PERIOD OF 3 YEARS FROM THE DATE OF TERMINATING COVERAGE UNDER MAINE CONSTRUCTION GENERAL PERMIT.
- J. ALL POST CONSTRUCTION STORMWATER MANAGEMENT BEST MANAGEMENT PRACTICES SHALL BE CONSTRUCTED BEFORE THE SITE HAS UNDERGONE FINAL STABILIZATION.

DIVISION 32 EXTERIOR IMPROVEMENTS

32 10 00 AGGREGATE BASE & ASPHALT PAVEMENT

- A. CONTRACTOR TO PROVIDE COMPACTED AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT WHERE INDICATED ON THE PLANS. AGGREGATE PROVIDED MUST COMPLY WITH MANDEOT STANDARD SPECIFICATIONS LATEST EDITION. PROVIDE HOT MIX ASPHALT MIXTURE TYPES PER MANDEOT STANDARD SPECIFICATIONS LATEST EDITION. CONTRACTOR SHALL OBTAIN AND REVIEW SOILS REPORT FOR RECOMMENDATIONS FOR GEO-GRID / GEOTEXTILE BELOW CRUSHED AGGREGATE (IF APPLICABLE). CONTRACTOR TO PROVIDE AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT TYPES AND DEPTHS AS INDICATED BELOW.

STANDARD ASPHALT PAVING SECTION	HEAVY ASPHALT PAVING SECTION
1 1/2" SURFACE COURSE MANDEOT 5.5 MM MAX	1 1/2" SURFACE COURSE MANDEOT 5.5 MM MAX
1 1/2" BINDER COURSE MANDEOT 5.5 MM MAX	1 1/2" BINDER COURSE MANDEOT 5.5 MM MAX
6" OF MANDEOT AGGREGATE BASE TYPE 1	6" OF MANDEOT AGGREGATE BASE TYPE 1
12" OF MANDEOT AGGREGATE SUBGRADE TYPE 2	12" OF MANDEOT AGGREGATE SUBGRADE TYPE 2

- WOMEN GEOTEXTILE (M80AF1 H370) OVERLYING PROPERLY PREPARED SUBGRADE.
- B. CONTRACTOR TO COMPACT THE AGGREGATE BASE, ASPHALT BINDER COURSE, AND ASPHALT SURFACE COURSE TO AN AVERAGE DENSITY PER MANDEOT STANDARD SPECIFICATIONS LATEST EDITION. ALL ASPHALT PAVEMENT AREAS SHALL BE PAVED TO WITHIN 0.5% OF DESIGN SURFACE GRADES WITH POSITIVE DRAINAGE BEING MAINTAINED IN ACCORDANCE WITH DESIGN PLANS. A MINIMUM OF 1.5% SLOPE SHALL BE MAINTAINED IN ALL ASPHALT PAVEMENT AREAS.
- C. HOT MIX ASPHALT CONSTRUCTION IS TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF GEOTECHNICAL REPORT OR CONSTRUCTION DOCUMENTS.
- D. CONTRACTOR TO PROVIDE 4" WIDE YELLOW PANTON MARKING FOR PARKING STALLS, TRAFFIC LANES, AND NO PARKING AREAS. YELLOW PANTON MARKINGS SHALL ALSO BE PROVIDED FOR I.C. ACCESSIBLE SYMBOLS, TRAFFIC ARROWS, AND TRAFFIC MESSAGES.

32 20 00 CONCRETE AND AGGREGATE BASE

- A. CONTRACTOR TO PROVIDE CRUSHED AGGREGATE BASE AND CONCRETE WHERE INDICATED ON THE PLANS.
1. ALL AGGREGATE PROVIDED MUST COMPLY WITH MANDEOT STANDARD SPECIFICATIONS LATEST EDITION. ALL AGGREGATE PLACED MUST BE COMPACTED TO AN AVERAGE DENSITY MANDEOT STANDARD SPECIFICATIONS LATEST EDITION.
2. DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE FLAT WORK SHALL CONFORM TO ACI 308R-08 AND 318-08.
- D. EXTERIOR CONCRETE FLAT WORK CONSTRUCTION IS TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF THE GEOTECHNICAL REPORT OR THIS SPECIFICATION. CONCRETE FLAT WORK CONSTRUCTION IS AS FOLLOWS.
1. SEDIMENTAL CONCRETE - 4" OF CONCRETE OVER 4" OF 3/4" CRUSHED AGGREGATE BASE. CONSTRUCTION JOINTS SHALL CONSIST OF 1/4" WIDE BY 1" DEEP TONGUED JOINT WHERE INDICATED ON THE PLANS.
2. EXTERIOR PAVEMENTATION CONCRETE - 4" OF CONCRETE OVER 4" OF AGGREGATE BASE. CONSTRUCTION JOINTS SHALL BE 1/4" WIDE BY 1" DEEP TONGUED JOINTS WITH THE FOLLOWING AND PLACED IN THE UPPER 1/3 TO 1/2 OF THE SLAB.
- a. CONCRETE SHALL BE STEEL REINFORCED WITH THE FOLLOWING AND PLACED IN THE UPPER 1/3 TO 1/2 OF THE SLAB.
- 1) THE BARS AT EACH JOINT AND JOINTS OF THE CONCRETE. THE BARS SHALL BE #4 REBAR 30" LONG PLACED AT 30" O.C.
- b. DUMPTER PAD CONCRETE JOINTING SHALL BE AS FOLLOWS:
- 1) CONSTRUCTION SAWCUT JOINT - CONTRACTOR SHALL PROVIDE A SAWCUT JOINT AT MAXIMUM SPACING OF 15' ON CENTER. SAWCUT SHALL BE 2" IN DEPTH.
- 2) TYPICAL POOL COVER JOINT - POOL COVER JOINT SHALL BE PROVIDED WITH 1-1/4" DIAMETER BY 20" LONG SMOOTH DOWNER JOINTS AT 12" O.C. ONE HALF OF THE DOWNER SHALL BE GRADED. GREENTREK 9" SPEED WHEEL TUBES SHALL BE USED.
3. HEAVY DUTY CONCRETE (TRUCK TRAFFIC) - 4" OF CONCRETE OVER 6" OF 3/4" CRUSHED AGGREGATE. CONCRETE SHALL BE REINFORCED WITH #8 REBAR ON CHAIRS AT 3' O.C. REBAR SHALL BE PLACED PLACED IN THE UPPER 1/3 TO 1/2 OF THE SLAB. CONSTRUCTION JOINTS SHALL BE SAWCUT 15' IN DEPTH AND BE SPACED AT A MAXIMUM OF 15' ON CENTER.
- E. DESIGN MIXES SHALL BE IN ACCORDANCE WITH ASTM C94
1. STRENGTH TO BE MINIMUM OF 4,500 PSI AT 28 DAYS FOR EXTERIOR CONCRETE.
2. MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45.
3. SLUMP SHALL NOT EXCEED 4" FOR EXTERIOR CONCRETE FLAT WORK.
4. SLUMP SHALL BE 2.5" OR LESS FOR SLIP-FORMED CURB AND GUTTER.
5. SLUMP SHALL BE BETWEEN 11" TO 13" FOR NON-SLIP-FORMED CURB AND GUTTER.
6. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED WITH 4% TO 7% AIR CONTENT. NO OTHER ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF EXCEL ENGINEERING, INC. CALCIUM CHLORIDE SHALL NOT BE USED.
7. MAXIMUM AGGREGATE SIZE FOR ALL EXTERIOR CONCRETE SHALL BE 0.75 INCHES.
- F. VERIFY EQUIPMENT CONCRETE PAD SIZES WITH CONTRACTOR REQUIREING PAD. PADS SHALL HAVE FIBERESH 380 FIBERS AT A RATE OF 3.5 LB/CU YD. OR 6 IN 4 W 1.1 WELED WIRE MESH WITH MINIMUM 1 INCH COVER. EQUIPMENT PADS SHALL BE 5.5 INCHES THICK WITH 1 INCH CHAMFER UNLESS SPECIFIED OTHERWISE. COORDINATE ADDITIONAL PAD REQUIREMENTS WITH INSPECTOR CONTRACTOR.
- G. ALL CONCRETE FLAT WORK SUBSURFACE CONCRETE CURB OR FINISHES SHALL BE CONSTRUCTED TO WITHIN 0.05" OF DESIGN SURFACE AND FLOWLINE GRADES ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE DESIGN PLANS.
- H. CONCRETE FLAT WORK SHALL HAVE CONSTRUCTION JOINTS OR SAW CUT JOINTS PLACED AS INDICATED ON THE PLANS OR PER THIS SPECIFICATION. SAWCUTS SHALL BE DONE AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER THE CONCRETE IS PLACED. CONCRETE CURB AND GUTTER SHALL BE PLACED BY THE CURB OR CLOSER IF MIN. 1. CONCRETE PAVEMENT IS ADJACENT TO CONCRETE CURB, JOINTING IN THE PAVEMENT AND CURB SHALL ALIGN. ALL EXTERIOR CONCRETE SHALL HAVE A BROOM FINISH UNLESS NOTED OTHERWISE. A UNIFORM COAT OF A HIGH SOLIDS CURING COMPOUND MEETING ASTM C639 SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES. ALL CONCRETE IS TO BE CURED FOR 7 DAYS. EXTERIOR CONCRETE SHALL BE SEPARATED FROM BUILDINGS WITH CONTINUOUS 0.5 INCH FIBER EXPANSION JOINT AND/OR 0.5 INCH FIBER EXPANSION JOINT AT DECORATIVE MASONRY UNITS.
- I. ALL REINFORCING BARS SHALL BE ASTM A615 GRADE 60. THICKNESS OF CONCRETE COVER OVER REINFORCEMENT SHALL BE NOT LESS THAN 3" WHERE CONCRETE IS DEPOSITED AGAINST THE GROUND WITHOUT THE USE OF FORMS AND NOT LESS THAN 1.5" FOR UP TO #5 BARS AND 2" FOR #6 TO #10 BARS IN ALL OTHER LOCATIONS. ALL REINFORCING SHALL BE LAPPED 48 DIAMETERS FOR UP TO #6 BARS, 62 DIAMETERS FOR #7 TO #9 BARS, 68 DIAMETERS FOR #10 BARS OR AS NOTED ON THE DRAWINGS AND EXTENDED AROUND CORNERS WITH CORNED BARS. PLACING AND DETAILING OF STEEL REINFORCING AND REINFORCING SUPPORTS SHALL BE IN ACCORDANCE WITH CRSI AND ACI MANUAL AND STANDARD PRACTICES. THE REINFORCEMENT SHALL NOT BE PAINTED AND MUST BE FREE OF GREASE, OIL, OR DEEP RUST WHEN PLACED IN THE WORK. ALL WELDED WIRE FABRIC SHALL MEET THE REQUIREMENTS OF ASTM A 1064. WELDED WIRE FABRIC SHALL BE PLACED 7' FROM TOP OF SLAB, UNLESS INDICATED OTHERWISE.
- J. CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO SAMPLE MATERIALS, PERFORM TESTS, AND SUBMIT TEST REPORTS DURING CONCRETE PLACEMENT. TESTS WILL BE PERFORMED ACCORDING TO ACI 301. CAST AND LABORATORY CURE ONE SET OF FOUR STANDARD CYLINDERS FOR EACH CONCRETE SAMPLE FOR EACH DAYS POUR OF EACH CONCRETE MIX EXCEEDING 5 CU YD, BUT LESS THAN 25 CU YD, PLUS ONE SET FOR EACH ADDITIONAL 50 CU YD OR FRACTION THEREOF. PERFORM COMPRESSIVE STRENGTH TESTS ACCORDING TO ASTM C 39. TEST TWO SPECIMENS AT 7 DAYS AND TWO SPECIMENS AT 28 DAYS. PERFORM SLUMP TESTING ACCORDING TO ASTM C 143. PROVIDE ONE TEST AT EACH POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAYS POUR OF EACH CONCRETE MIX. PERFORM ADDITIONAL TESTS WHEN CONCRETE COMPOSITION APPEARS TO CHANGE.
- K. PROTECT FRESHLY PLACED CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES. IN HOT, DRY, AND WINDY WEATHER, APPLY AN EVAPORATION CONTROL COMD AND ACCORDING TO MANUFACTURER'S INSTRUCTIONS AFTER SCREEDING AND BULL DOING, BUT BEFORE POWER FLOATING AND TROWELLING.
- L. LIMIT MAXIMUM WATER-CEMENT/NOXIOUS RATIO OF CONCRETE EXPOSED TO FREEZING, THAWING AND DICING SALTS TO 0.45.
- M. TEST RESULTS WILL BE REPORTED IN WRITING TO THE DESIGN ENGINEER. READY-MIX PRODUCER, AND CONTRACTOR WITHIN 24 HOURS AFTER TESTS. REPORTS OF COMPRESSIVE STRENGTH TESTS SHALL CONTAIN THE PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING SERVICE, CONCRETE TYPE AND CLASS, LOCATION OF CONCRETE BATCH ON SITE, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIX PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK FOR BOTH 7-DAY TESTS AND 28-DAY TESTS.

32 30 00 LANDSCAPING AND SITE STABILIZATION

- A. TOPSOIL - CONTRACTOR TO PROVIDE A MINIMUM OF 6" OF TOPSOIL FOR ALL DISTURBED OPEN AREAS, OTHER THAN A LANDSCAPE ISLANDS SHALL BE PROVIDED WITH A MINIMUM OF 10" OF TOPSOIL. REUSE SURFACE SOIL STOCKPILED ON SITE AND SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE. SOURCES WHEN QUANTITIES ARE INSUFFICIENT. EXCAVATOR SHALL BE RESPONSIBLE FOR RHOUGH PLACEMENT OF TOPSOIL TO WITHIN 1" OF FINAL GRADE PRIOR TO LANDSCAPE FINAL GRADING. LANDSCAPE TO PROVIDE PULVERIZING AND FINAL GRADING OF TOPSOIL. PROVIDE SOIL ANALYSIS BY A QUALIFIED SOIL TESTING LABORATORY AS REQUIRED TO VERIFY THE SUITABILITY OF SOIL TO BE USED AS TOPSOIL AND TO DETERMINE THE NECESSARY SOIL IMPROVEMENTS. TEST SOIL FOR PRESENCE OF ATRAZINE AND INFORM EXCEL ENGINEERING, INC. IF PRESENT PRIOR TO BIDDING PROJECT. TOPSOIL SHALL HAVE A PH RANGE OF 5.5 TO 6.5 AND CONTAIN A MINIMUM OF 5 PERCENT ORGANIC MATERIAL CONTENT, AND SHALL BE FREE OF STONES 1 INCH OR LARGER IN DIAMETER. ALL MATERIALS HARMFUL TO PLANT GROWTH MUST ALSO BE REMOVED. SEEDING MIXTURES SHOULD FOLLOW MANDEOT SEEDING SPECIFICATIONS.
- B. TOPSOIL INSTALLATION - LOOSEN SURFACE TO A MINIMUM DEPTH OF 6 INCHES AND REMOVE STONES LARGER THAN 1" IN DIAMETER. ALSO REMOVE ANY STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER AND DISPOSE OF THEM OFF THE PROPERTY. SPREAD TOPSOIL TO A DEPTH OF 6" BUT NOT LESS THAN WHAT IS REQUIRED TO MEET FINISHED GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. DO NOT SPREAD TOPSOIL IF SUBGRADE IS FROZEN, MUDGY, OR EXCESSIVELY WET. GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORM FINE TEXTURE. GRADE TO WITHIN 0.05 FEET OF FINISHED GRADE ELEVATION.

- B. SEEDING LAWNS
1. PERMANENT LAWN AREAS SHALL BE SEEDDED WITH THE FOLLOWING MIXTURE: 65% KENTUCKY BLUEGRASS BLEND (20.2 LB 100 S.F.), 20% PERENNIAL RYEGRASS (0.6 LB 100 S.F.), 15% FINE FESCUE (0.4 LB 100 S.F.), STRAW AND MULCH SHALL BE Laid AT 100 LB/1,000 S.F. FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LB/1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. ALL SITE DISTURBED AREAS NOT DESIGNATED FOR OTHER LANDSCAPING AND SITE STABILIZATION METHODS SHALL BE SEEDDED AS PERMANENT LAWN. NO BARE TOPSOIL SHALL BE LEFT ON SITE. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS.
2. ALL PERMANENT AND TEMPORARY STORM WATER CONVEYANCE SHALL BOTTOMS AND SIDE SLOPES SHALL BE SEEDDED WITH THE FOLLOWING MIXTURE: 45% KENTUCKY BLUEGRASS (0.60 LB 1,000 S.F.), 40% CREeping RED FESCUE (0.50 LB 1,000 S.F.), AND 15% PERENNIAL RYEGRASS (0.20 LB 1,000 S.F.). FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LB/1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS.
3. ALL TEMPORARY SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE: 100% RYEGRASS AT 1.9 LB/1,000 S.F. STRAW AND MULCH SHALL BE Laid AT 100 LB/1,000 S.F. FERTILIZE AS PER SOIL TEST OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LB/1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. FOLLOW PROCEDURES FOUND IN MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS.

- C. SEEDED LAWN MAINTENANCE - CONTRACTOR TO PROVIDE MAINTENANCE OF ALL LANDSCAPING FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS SHOULD BE ESTABLISHED FREE OF WEEDS AND SURFACE IRREGULARITIES. WEEDS AND SIDE SLOPES AS REQUIRED. LAWN SEED SHALL BE PLACED BELOW MATTING. CONTRACTOR SHOULD RESEAL LAWN AREAS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.

- D. EROSION MATTING
1. CONTRACTOR TO PROVIDE EROSION CONTROL MATTING NORTH AMERICAN GREEN S150 OR EQUIVALENT ON ALL SLOPES THAT ARE 4:1 AND GREATER. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO PROVIDE EROSION MATTING NORTH AMERICAN GREEN C120 OR EQUIVALENT IN ALL SLOPES THAT ARE 3:1 AND GREATER. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.

- E. TREES AND SHRUBS - FURNISH NURSERY-GROWN TREES AND SHRUBS WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. PROVIDE WELL-SHAPED, FULLY BRANCHED, AND HEALTHY LOOKING STOCK. STOCK SHOULD ALSO BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS CANCER, WOUNDS, AND DISFIGUREMENT. SEE THE LOGS, LARVAE, AND DEFECTS SUCH AS CANCER, WOUNDS, AND DISFIGUREMENT. SEE THE LOGS, LARVAE, AND DEFECTS SUCH AS CANCER, WOUNDS, AND DISFIGUREMENT. SEE THE LOGS, LARVAE, AND DEFECTS SUCH AS CANCER, WOUNDS, AND DISFIGUREMENT.

- F. TREES AND SHRUB MAINTENANCE/WARRANTY - CONTRACTOR TO PROVIDE TEMPORARY STANDING FOR TREES AS REQUIRED. TREES AND SHRUBS SHALL BE MAINTAINED FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION. MAINTENANCE TO INCLUDE REGULAR WATERING AS REQUIRED FOR SUCCESSFUL PLANT ESTABLISHMENT. CONTRACTOR TO PROVIDE 1 YEAR WARRANTY ON ALL TREES, SHRUBS, AND PERENNIALS.

- G. MINERAL MULCH - PROVIDE 3" MINIMUM THICK BLANKET OF 1/2" MINIMUM TO 2 1/2" MAXIMUM CRUSHED DECORATIVE STONE AT ALL PLANTING AREAS INDICATED ON THE LANDSCAPE PLAN. INSTALL OVER NON-WOVED WEED BARRIERS FABRIC. COLOR BY OWNER.
- H. PLASTIC EDGING - INSTALL VALLEY VIEW INDUSTRIES BLACK DIAMOND LAMIN EDGING TO SEPARATE ALL PLANTING BEDS FROM LAWN AREAS. EDGING TO BE 5.5" TALL WITH METAL STAKES INSTALLED PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

- I. LANDSCAPE AND LAWN IRRIGATION - CONTRACTOR TO PROVIDE DESIGN AND INSTALLATION OF IRRIGATION SYSTEM PERMANENT VALVES, VALVE BOXES, SPRINKLERS, EMITTERS, DRIp TUBES, AND CONTROLS IN COMBINATIONS THAT BEST SUIT THE LANDSCAPE PLAN LAYOUT. ALL LAWN AND LANDSCAPING AREAS SHALL BE PROVIDED WITH IRRIGATION WITH AS DELINEATED BY THE DESIGN ENGINEER. THE AMOUNT OF WATER THAT BEING DELIVERED TO THE PROPERTY AND ON PAVED AREAS. THE SYSTEM SHALL BE DESIGNED FOR FULLY AUTOMATIC OPERATION AND PROVIDE ALL NECESSARY CONTROLS, VALVES, AND WIRING TO OPERATE THE SYSTEM. THE CONTROL UNIT SHALL BE INSTALLED IN A MECHANICAL ROOM OR AT A LOCATION AGREED TO WITH THE OWNER. THE CONTROL UNIT SHOULD BE PROVIDED WITH A LOCKING COVER.
- J. POP-UP SPRINKLER OR ROTARY SPRINKLERS SHALL BE USED AT LAWN AREAS TO PROVIDE A UNIFORM COVERAGE OF 1 TO 2 INCHES OF WATER PER HOUR. EMITTERS AND DRIp TUBES OR SHRUBBERY SPRINKLERS SHALL BE USED AT PLANTS AND SHRUBS AS APPROPRIATE FOR THE PLANTING DESIGN AND SPECIES TYPE. ALL SPRINKLER HEADS SHALL BE COMMERCIAL GRADE. THE SYSTEM SHALL BE CHECKED AS REQUIRED TO PROVIDE ADEQUATE WATER FLOW TO EACH SPRINKLER HEAD. THE CONTROL SYSTEM MUST INCLUDE A RAIN SENSING SHUT OFF DEVICE. THE ENTIRE SYSTEM IS TO BE INSTALLED WITH A MINIMUM UNIFORM SLOPE OF 0.5 PERCENT TOWARD DRAIN VALVES.

- K. LANDSCAPE AND LAWN IRRIGATION - CONTRACTOR TO PROVIDE DESIGN AND INSTALLATION OF IRRIGATION SYSTEM PERMANENT VALVES, VALVE BOXES, SPRINKLERS, EMITTERS, DRIp TUBES, AND CONTROLS IN COMBINATIONS THAT BEST SUIT THE LANDSCAPE PLAN LAYOUT. ALL LAWN AND LANDSCAPING AREAS SHALL BE PROVIDED WITH IRRIGATION WITH AS DELINEATED BY THE DESIGN ENGINEER. THE AMOUNT OF WATER THAT BEING DELIVERED TO THE PROPERTY AND ON PAVED AREAS. THE SYSTEM SHALL BE DESIGNED FOR FULLY AUTOMATIC OPERATION AND PROVIDE ALL NECESSARY CONTROLS, VALVES, AND WIRING TO OPERATE THE SYSTEM. THE CONTROL UNIT SHALL BE INSTALLED IN A MECHANICAL ROOM OR AT A LOCATION AGREED TO WITH THE OWNER. THE CONTROL UNIT SHOULD BE PROVIDED WITH A LOCKING COVER.
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- X. POP-UP SPRINKLER OR



- GENERAL NOTES:
- EXISTING CONDITIONS SURVEY COMPLETED BY SURVEY, INC. IN SEPTEMBER OF 2024.
 - CONTRACTOR TO CALL DIG SAFE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING SITE DEMOLITION.

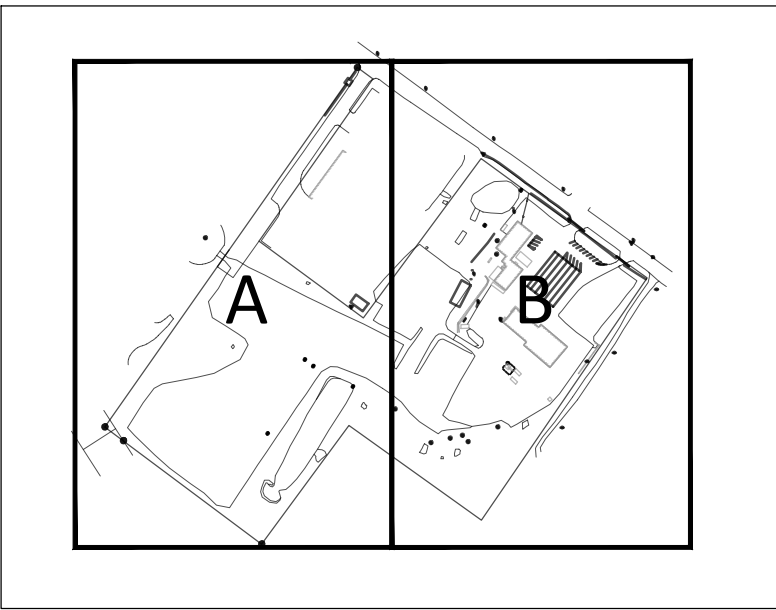
- LEGEND:
- REMOVE PAVEMENT/GRAVEL, SALVAGE BASE IF AGGREGATE MEETS SPECIFICATIONS
 - REMOVE PAVEMENT/3" GRAVEL SURFACE, PROTECT AGGREGATE BASE (REDEVELOPMENT AREAS)
 - REMOVE FEATURES
 - ALTERNATE 1 - REMOVE 3" OF GRAVEL, PROTECT BASE FOR PAVING

KEYNOTES	
A	REMOVE
B	PROTECT
C	PULVERIZE ASPHALT IN PLACE AND RE-USE FOR BASE
D	SAWCUT (AS NECESSARY) AND REMOVE ASPHALT AND PROTECT BASE
E	REMOVE UTILITY POLE AND OVERHEAD LINE. COORDINATE WITH UTILITY COMPANY.
F	PROTECT STORMWATER MANAGEMENT FACILITY
G	CONTRACTOR TO PROVIDE TRAFFIC CONTROL DURING DEMOLITION/CONSTRUCTION
H	REMOVE TREE
I	PROTECT TREE
J	REMOVE STORM PIPING AND STRUCTURE
K	REMOVE LIGHT POLE
M	RECYCLE GRAVEL AS NEEDED
R	FIELD VERIFY AND COORDINATE REMOVAL OF SEPTIC WITH GENERAL CONTRACTOR AND OWNER PRIOR TO DEMOLITION
S	CONTRACTOR TO MAINTAIN 18" COVER DURING EXCAVATION & VERIFY DEPTH OF FACILITIES DURING EXCAVATION.
T	PROTECT SEPTIC DISPOSAL FIELD. LIMIT DISTURBANCE AND COMPACTION IN ADJACENT AREAS. INSTALL CONSTRUCTION FENCE AROUND PERIMETER OF SEPTIC DISPOSAL FIELD DURING CONSTRUCTION.
U	PROTECT AND REUSE EXISTING PROPANE TANK. COORDINATE WITH CONTRACTOR. SEE SITE PLAN FOR NEW LOCATION
W	REMOVE FENCE
X	REMOVE RETAINING WALL
Y	FIELD VERIFY/TELEWISE AND NOTIFY ENGINEER OF PIPE TERMINUS
Z	RETIRED EXISTING 1" WATER SERVICE PER PORTLAND WATER DISTRICT STANDARDS. SHUT OFF CORPORATION STOP. CUT WATER SERVICE AT WATER MAIN, AND REMOVE BOX AND ROD AT STREET LINE.

- STAGING/SEQUENCING NOTES:
- EXISTING OPERATIONS TO REMAIN DURING CONSTRUCTION.
 - PROVIDE ACCESS TO SITE OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
 - COORDINATE SEQUENCING OF DEMOLITION WORK WITH GENERAL CONTRACTOR AND OWNER PRIOR TO BEGINNING DEMOLITION.

SURVEY LEGEND

- MD MANDOOR 30" WIDE
GD GARAGE DOOR 14" WIDE
UP UTILITY POLE
CPP CORROGATED PLASTIC PIPE
CMP CORROGATED METAL PIPE
INV INVERT
CONTROL POINT



KEY PLAN
NTS



CIVIL EXISTING SITE AND DEMOLITION PLAN - OVERALL



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PROJECT INFORMATION

PROPOSED RETAIL & SERVICE EXPANSION FOR:
CAMPING WORLD
480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

PRELIMINARY DATES

JAN. 10, 2025
JAN. 20, 2025
FEB. 18, 2025

JOB NUMBER

240174100

SHEET NUMBER

C1.0

LEGEND:

- REMOVE PAVEMENT/GRAVEL
SALVAGE BASE IF AGGREGATE MEETS SPECIFICATIONS
- REMOVE PAVEMENT/3" GRAVEL SURFACE, PROTECT AGGREGATE BASE (REDEVELOPMENT AREAS)
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GENERAL NOTES:

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STAGING/SEQUENCING NOTES:

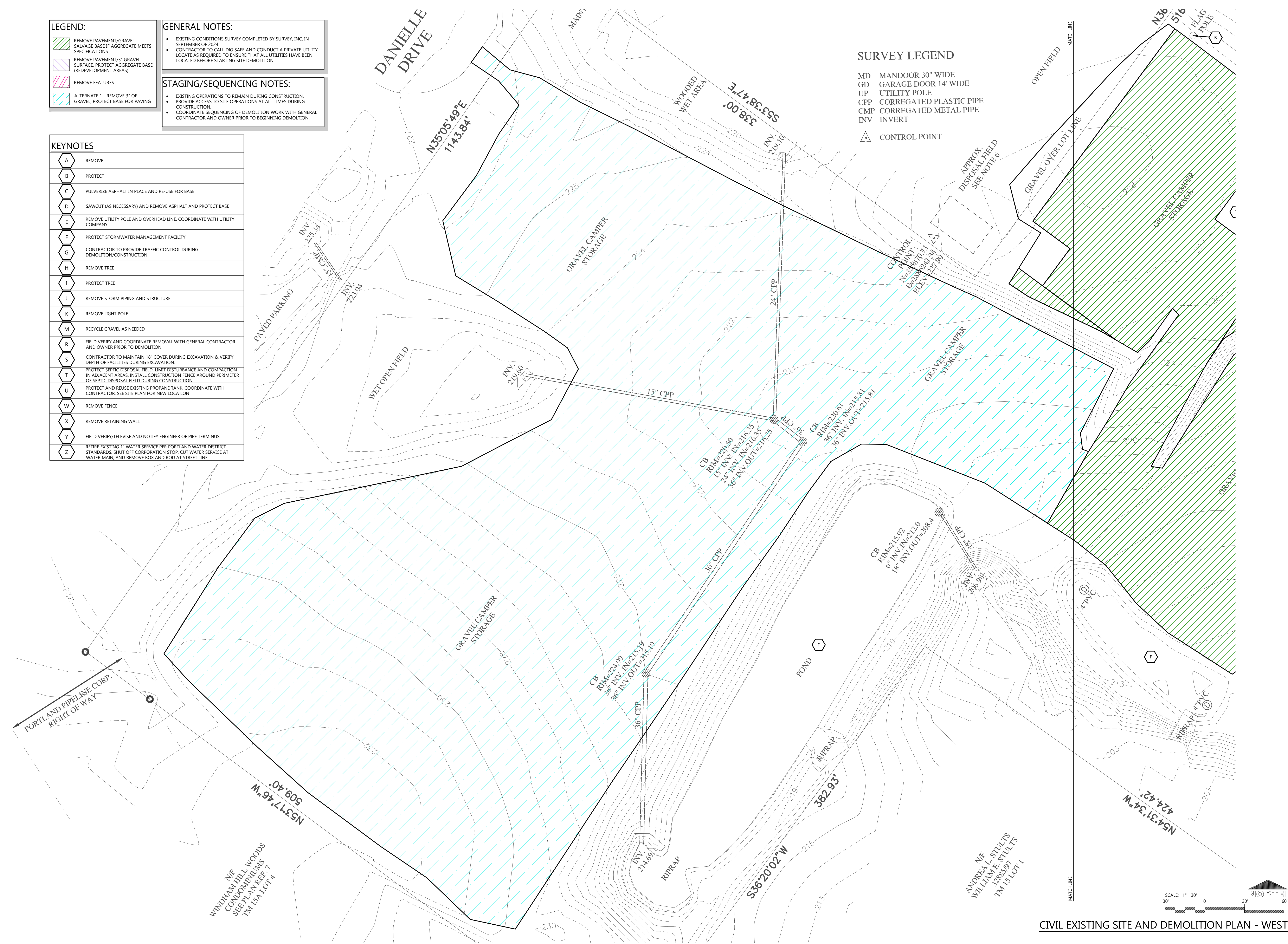
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UP UTILITY POLE
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INV INVERT

△ CONTROL POINT



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COLLABORATION

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PROFESSIONAL SEAL

PRELIMINARY DATES

JAN. 10, 2025
FEB. 18, 2025

NOT FOR CONSTRUCTION

JOB NUMBER

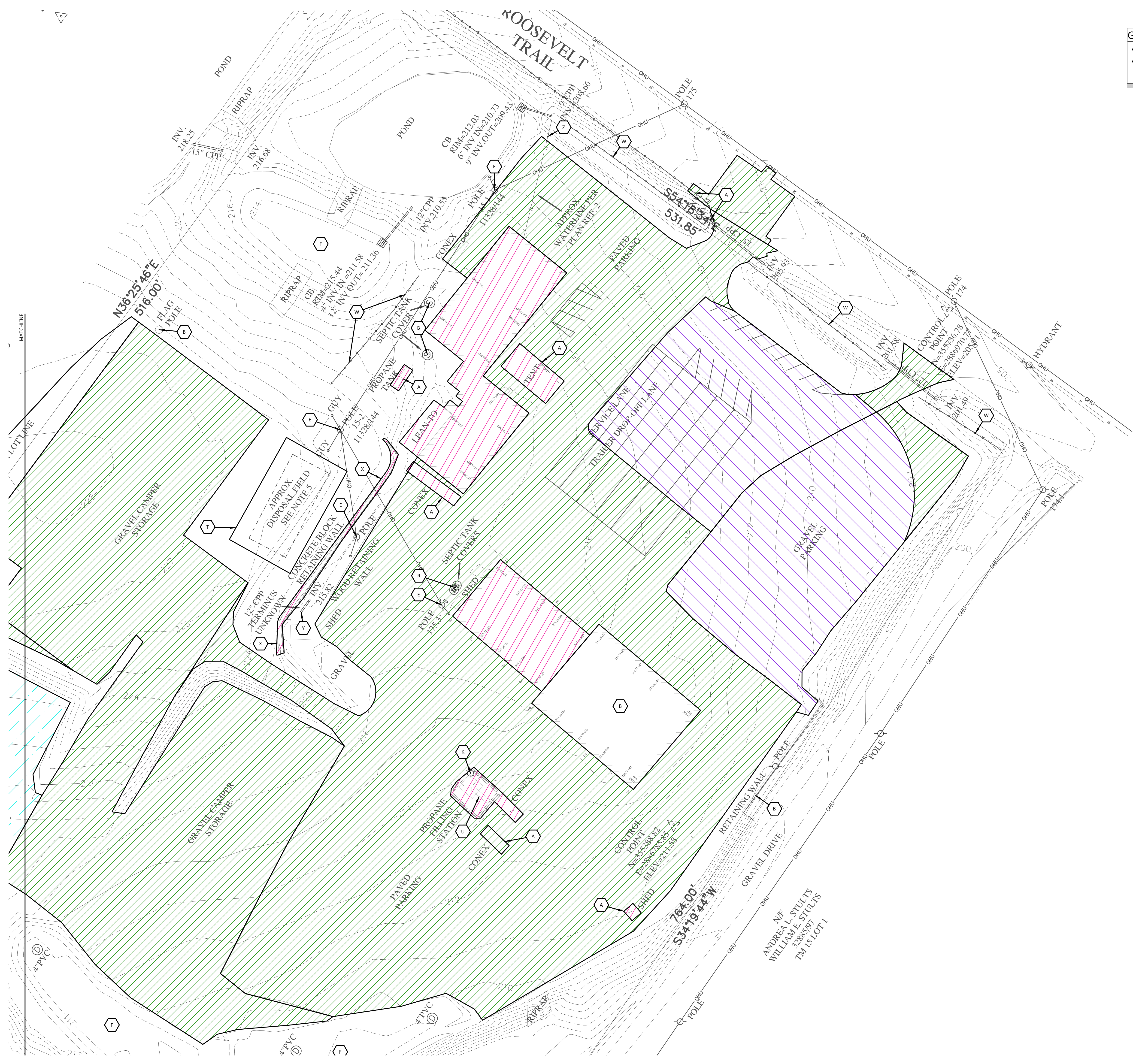
240174100

SHEET NUMBER

C1.0A



CIVIL EXISTING SITE AND DEMOLITION PLAN - WEST



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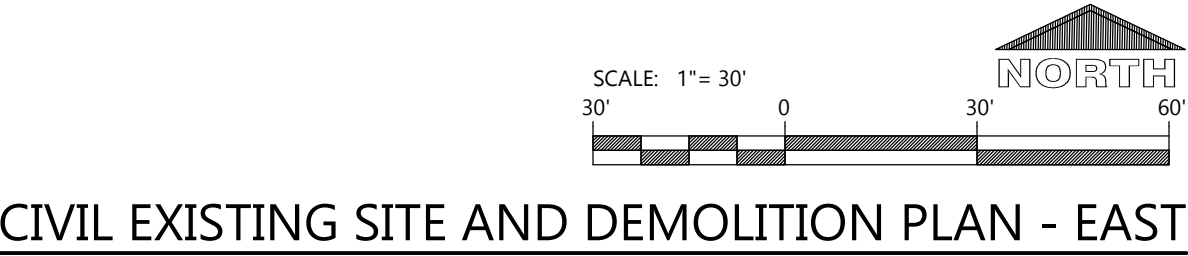
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SURVEY LEGEND

- MD MANDDOOR 30\"/>



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Fond du Lac, WI 54935
920-926-9800
excelengineer.com

COLLABORATION

DBSGROUP

2700 National Drive, Suite 101
Oronoka, Wisconsin, 54850
608-681-6007
www.DBSG.com

PROJECT INFORMATION

PROPOSED RETAIL & SERVICE EXPANSION FOR:

CAMPING WORLD

480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

PRELIMINARY DATES

JAN. 10, 2025
FEB. 18, 2025

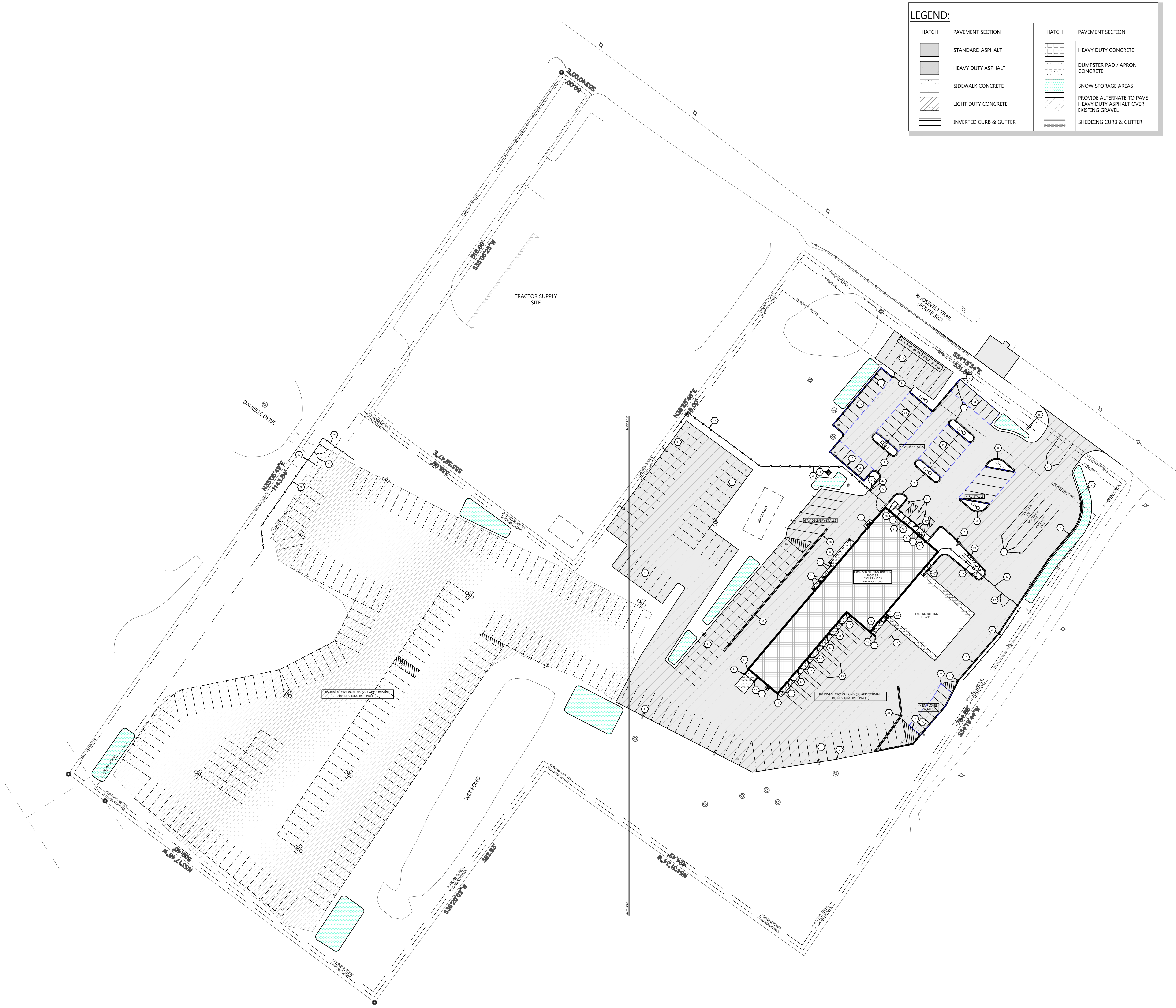
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JOB NUMBER

240174100

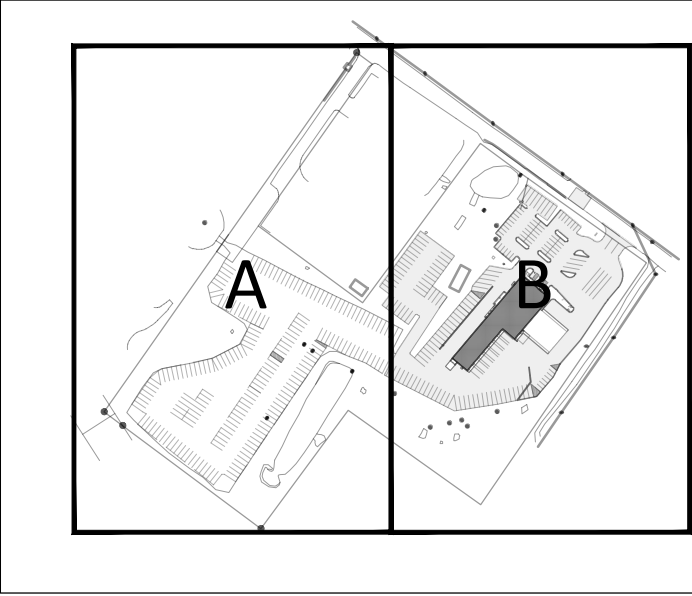
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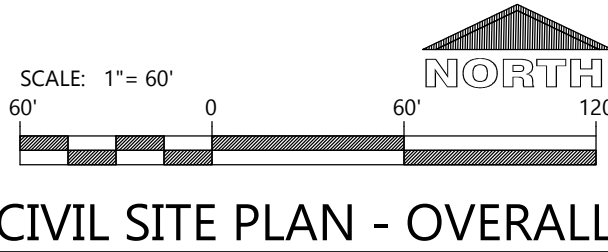


LEGEND:			
HATCH	PAVEMENT SECTION	HATCH	PAVEMENT SECTION
	STANDARD ASPHALT		HEAVY DUTY CONCRETE
	HEAVY DUTY ASPHALT		DUMPSTER PAD / APRON CONCRETE
	SIDEWALK CONCRETE		SNOW STORAGE AREAS
	LIGHT DUTY CONCRETE		PROVIDE ALTERNATE TO PAVE HEAVY DUTY ASPHALT OVER EXISTING GRAVEL
	INVERTED CURB & GUTTER		SHEDDING CURB & GUTTER

KEYNOTES	
1	CONCRETE STOOP (SEE STRUCTURAL DETAILS)
2	RAISED WALK (SEE DETAIL)
3	FLUSH WALK (SEE DETAIL)
4	TAPER WALK 0" TO 6" IN 10"
6	ADA CURB RAMP (SEE DETAIL)
7	18" CURB & GUTTER (SEE DETAIL)
8	18" MOUNTABLE CURB & GUTTER (SEE DETAIL)
9	CURB TAPER (SEE DETAIL)
10	CURB CUT (SEE DETAIL)
11	CONCRETE TRANSFORMER PAD BY UTILITY SUPPLIER (CONTRACTOR TO VERIFY FINAL LOCATION & DESIGN PRIOR TO CONSTRUCTION)
12	HANDICAP SIGN PER STATE CODE (SEE DETAIL)
13	HANDICAP STALL & STRIPING PER STATE CODES
14	PRECAST CONCRETE WHEEL STOP (TYP.)
15	PYLON SIGN (DETAILS, FINAL LOCATION, & APPROVAL BY SIGN VENDOR)
16	DUMPSTER ENCLOSURE (SEE ARCH. PLANS FOR DETAILS)
17	6" CONCRETE BOLLARDS (SEE DETAIL)
20	BIKE RACK (TYPE AND COLOR BY OWNER)
23	PAINT STRIPING (TYP.)
25	6' HIGH ORNAMENTAL SECURITY FENCE
26	6' HIGH BLACK VINYL CHAINLINK FENCE
27	26" WIDE GATE (14" SLIDING, 12" SWING), 6' HIGH (BY FENCE SUPPLIER)
28	26" WIDE SWING GATE, 6' HIGH (BY FENCE SUPPLIER)
29	COURTESY ISLAND. REUSE EXISTING PROPANE TANK (SEE DEMO PLAN)
33	REPRESENTATIVE RV INVENTORY SPACES (NOT TO BE STRIPED)
34	CUSTOMER AUTOMOBILE PARKING
35	EMPLOYEE AUTOMOBILE PARKING
36	4' WIDE PEDESTRIAN GATE
37	APPROX. BUILDING CANOPY (SEE ARCH. PLANS)
38	24" CONCRETE FLUME (SEE DETAIL)
39	PROPOSED STAIRS (SEE ARCH. PLANS)
40	RETAINING WALL (SEE ARCH. PLANS)
41	CONCRETE EQUIPMENT PAD. VERIFY PAD SIZE WITH CONTRACTOR REQUIRING PAD PRIOR TO CONSTRUCTION.
42	KNOX BOX PER LOCAL FIRE DEPARTMENT REQUIREMENTS



KEY PLAN
NTS



CIVIL SITE PLAN - OVERALL

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480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

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SEPT. 6, 2024	
SEPT. 19, 2024	
SEPT. 25, 2024	
OCT. 1, 2024	
DEC. 10, 2024	
JAN. 10, 2025	
FEB. 12, 2025	
FEB. 13, 2025	
FEB. 18, 2025	

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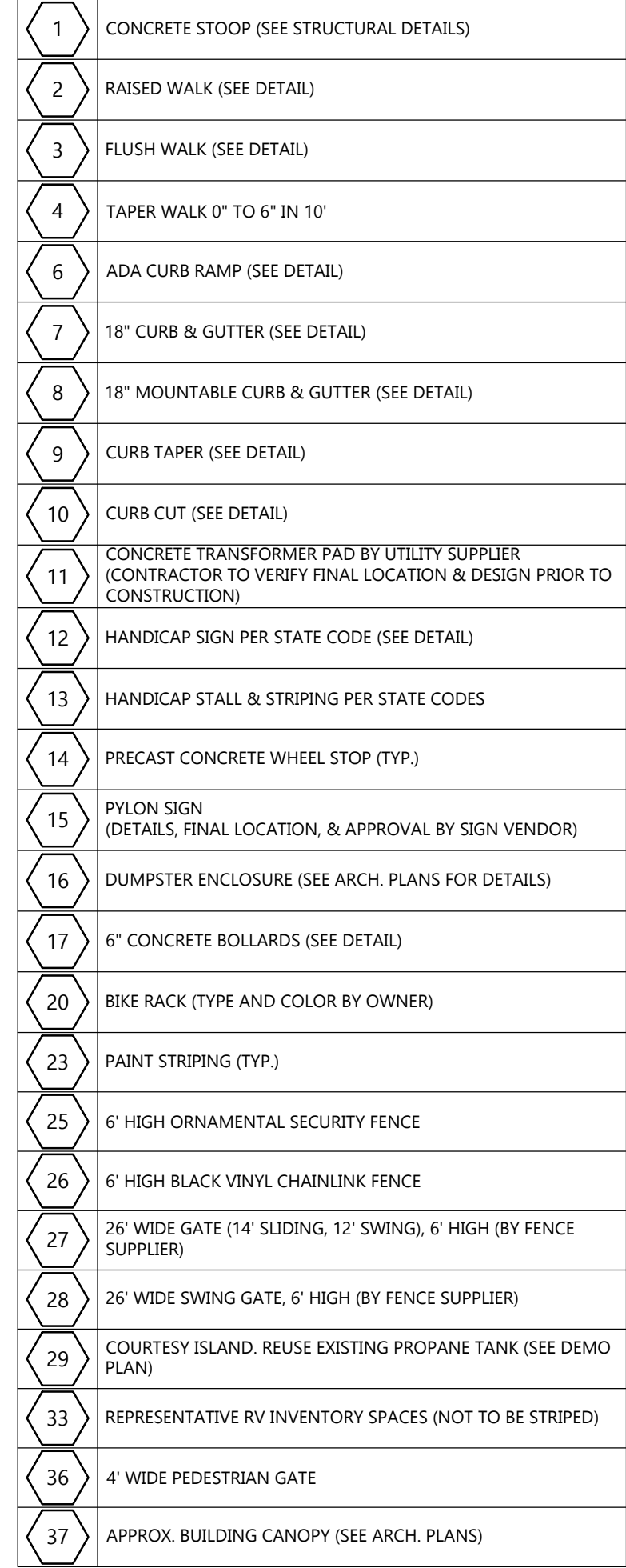
JOB NUMBER
240174100

SHEET NUMBER
C1.1

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2	RAISED WALK (SEE DETAIL)
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27	26" WIDE GATE (14" SLIDING, 12" SWING), 6' HIGH (BY FENCE SUPPLIER)
28	26" WIDE SWING GATE, 6' HIGH (BY FENCE SUPPLIER)
29	COURTESY ISLAND, REUSE EXISTING PROPANE TANK (SEE DEMO PLAN)
33	REPRESENTATIVE RV INVENTORY SPACES (NOT TO BE STRIPPED)
36	4' WIDE PEDESTRIAN GATE
37	APPROX. BUILDING CANOPY (SEE ARCH. PLANS)

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	HEAVY DUTY ASPHALT		DUMPSITE PAD / APRON CONCRETE
	SIDEWALK CONCRETE		SNOW STORAGE AREAS
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	INVERTED CURB & GUTTER		SHEDDING CURB & GUTTER



PROJECT INFORMATION	
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PROPOSED RETAIL & SERVICE EXPANSION FOR:
CAMPING WORLD
480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

PRELIMINARY DATES

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JAN. 15, 2025
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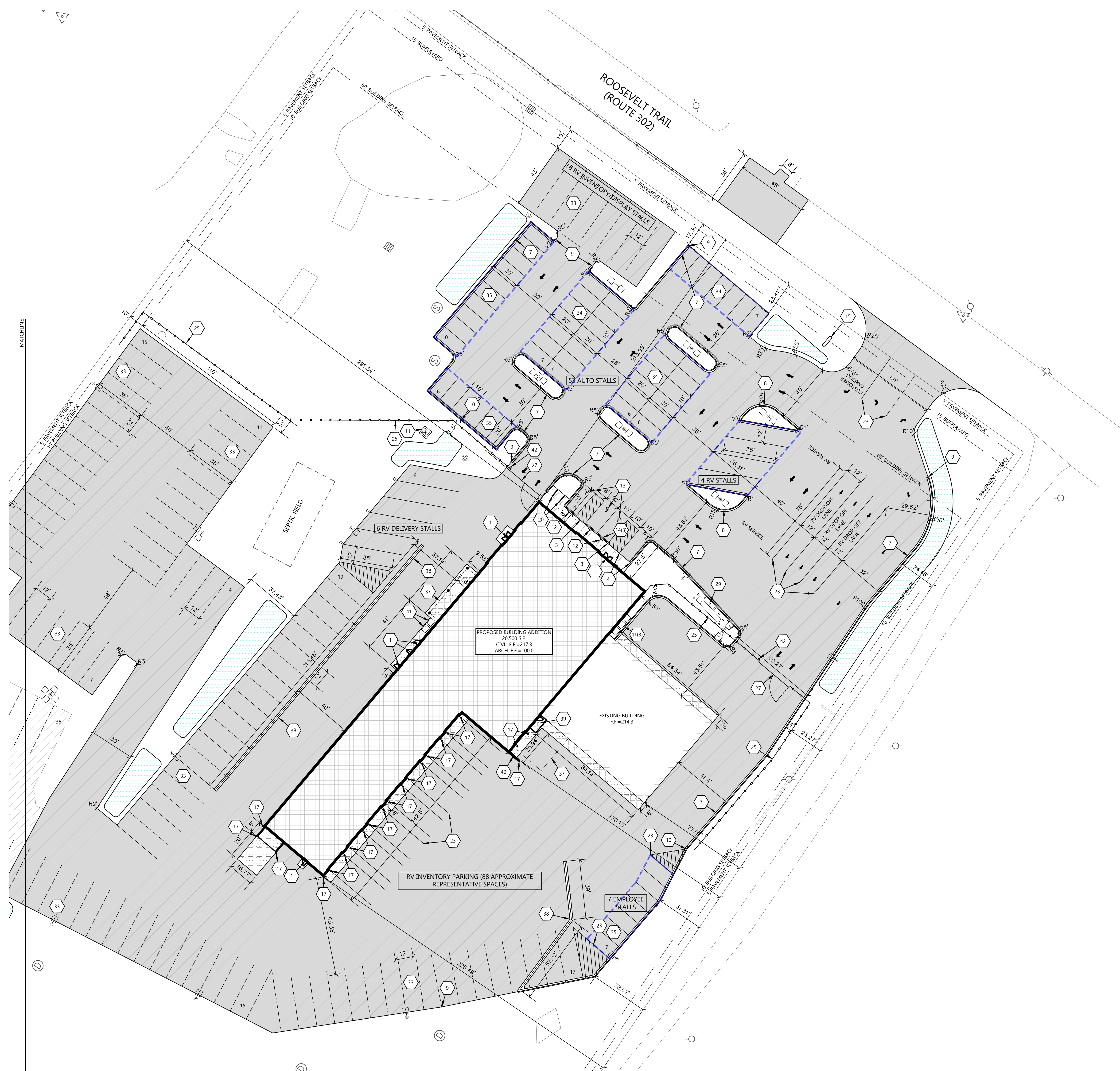
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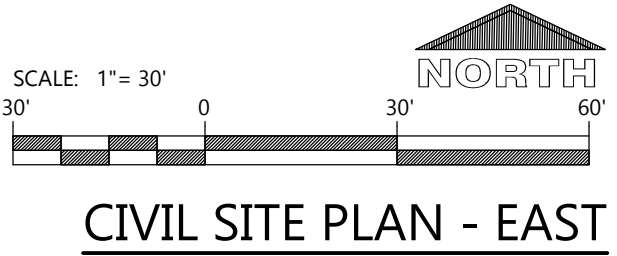
SHEET NUMBER

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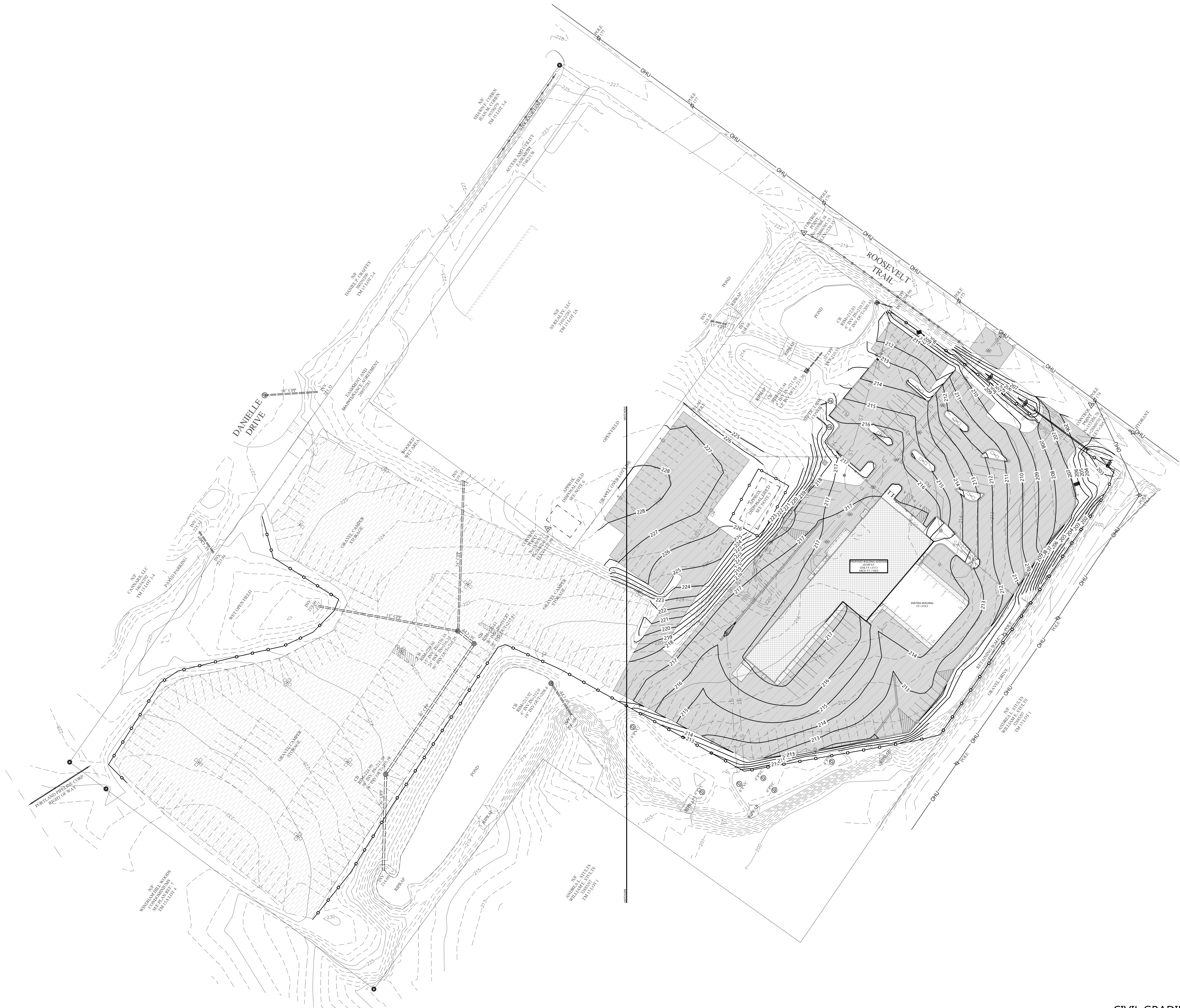
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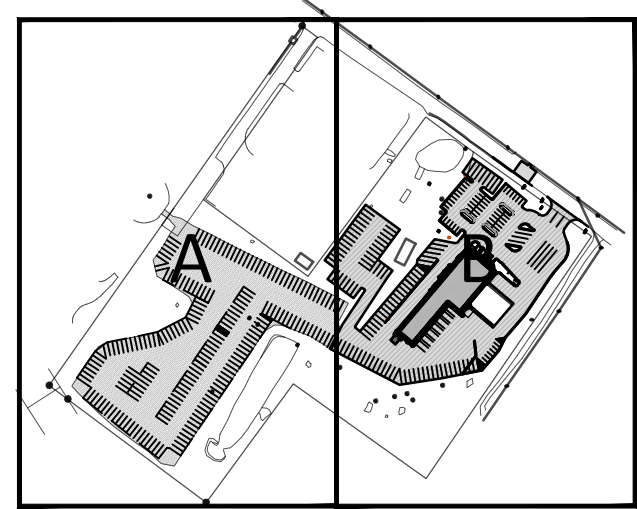
JOB NUMBER
240174100

SHEET NUMBER
C1.1B



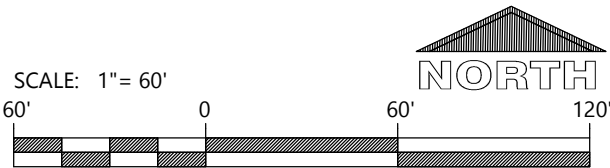
GENERAL NOTES:

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- ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.
- CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.



KEY PLAN

NTS



CIVIL GRADING AND EROSION CONTROL PLAN - OVERALL



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480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

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DEC. 10, 2024

JAN. 10, 2025

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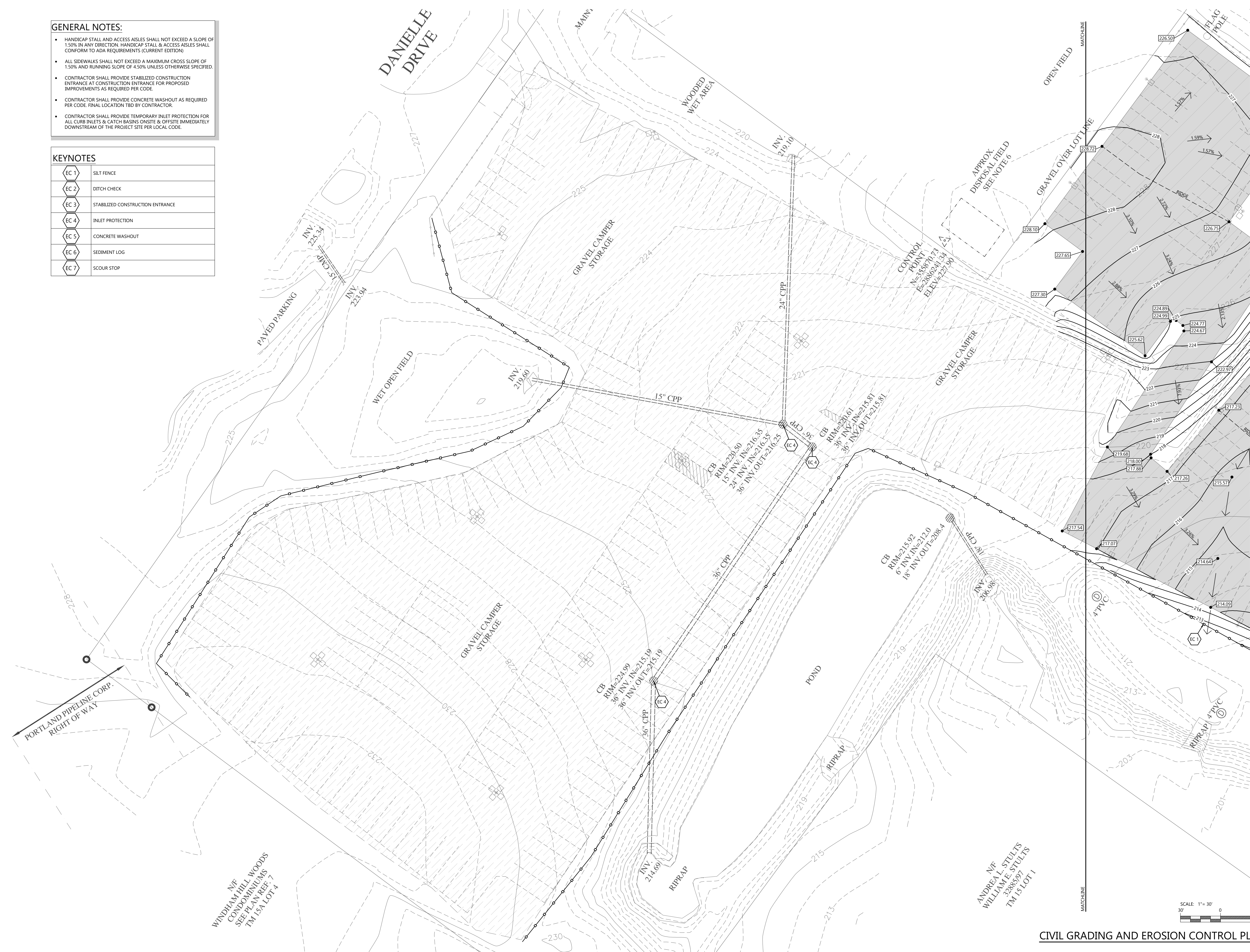
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SHEET NUMBER

C1.2

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KEYNOTES	
EC 1	SILT FENCE
EC 2	DITCH CHECK
EC 3	STABILIZED CONSTRUCTION ENTRANCE
EC 4	INLET PROTECTION
EC 5	CONCRETE WASHOUT
EC 6	SEDIMENT LOG
EC 7	SCOUR STOP



EXCEL

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COLLABORATION

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PROJECT INFORMATION

PROPOSED RETAIL & SERVICE EXPANSION FOR:

CAMPING WORLD

480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

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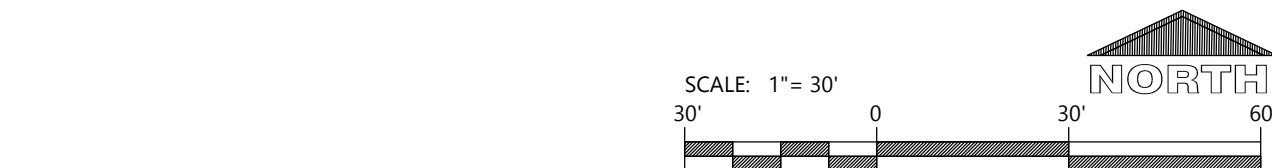
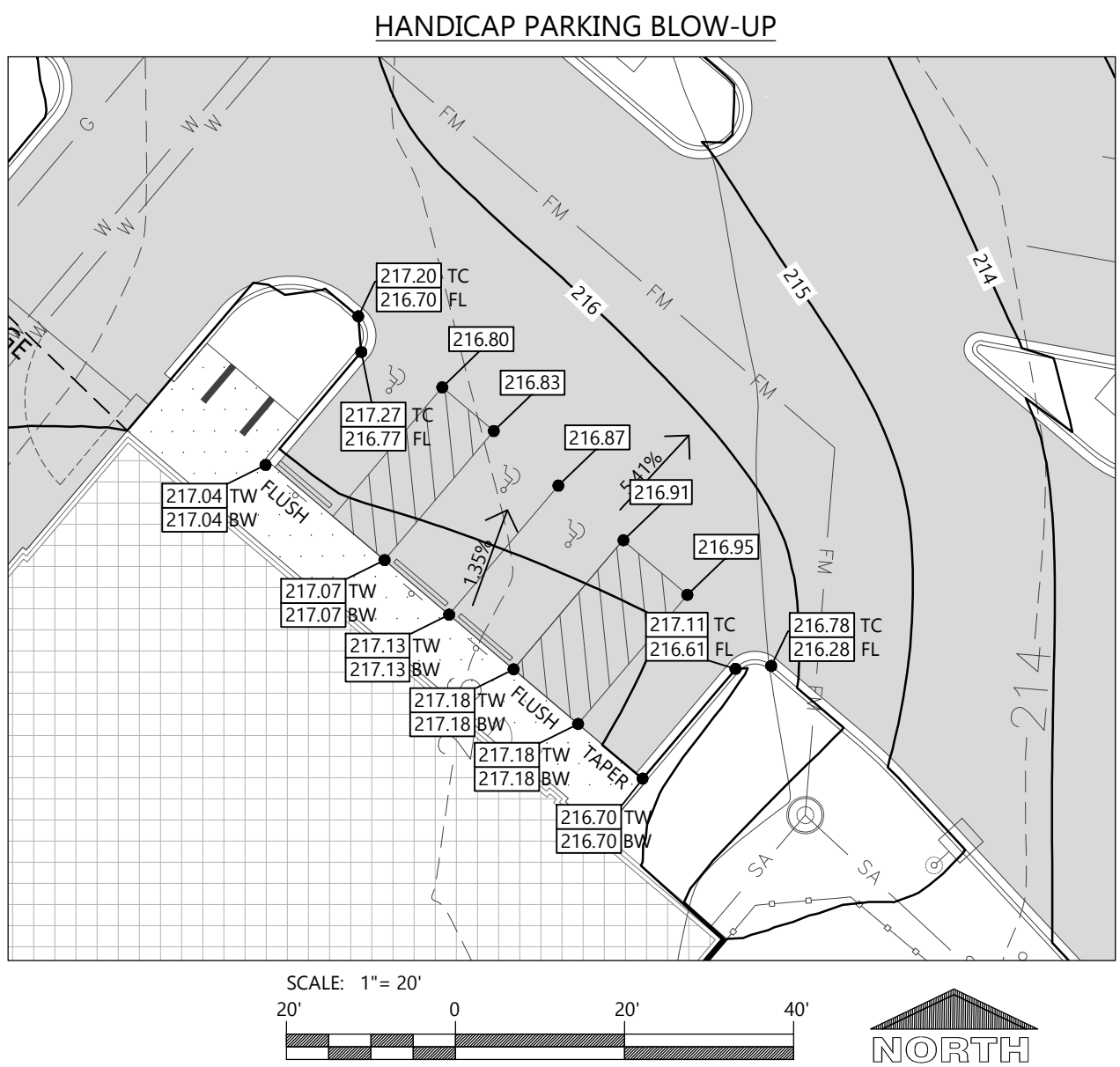
SHEET NUMBER

C1.2A



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EC 2	DITCH CHECK
EC 3	STABILIZED CONSTRUCTION ENTRANCE
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EC 6	SEDIMENT LOG
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CIVIL GRADING AND EROSION CONTROL PLAN - EAST

EXCEL

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PROJECT INFORMATION

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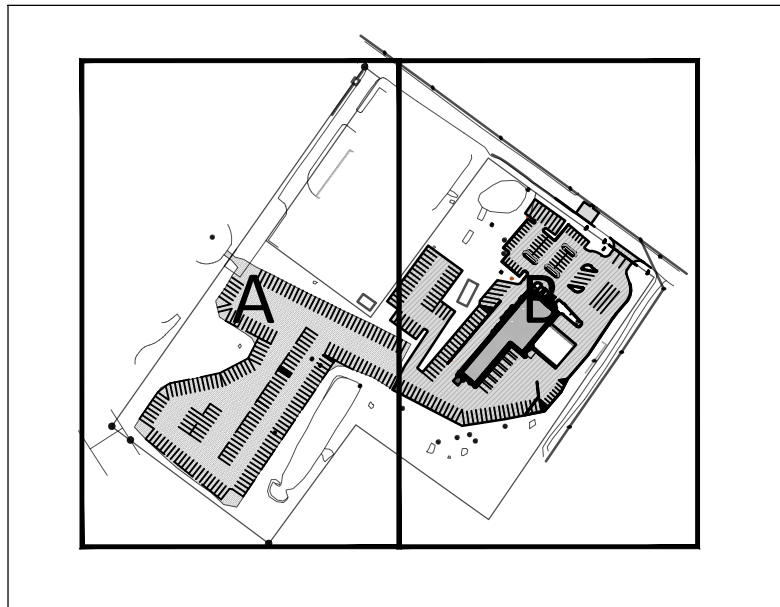
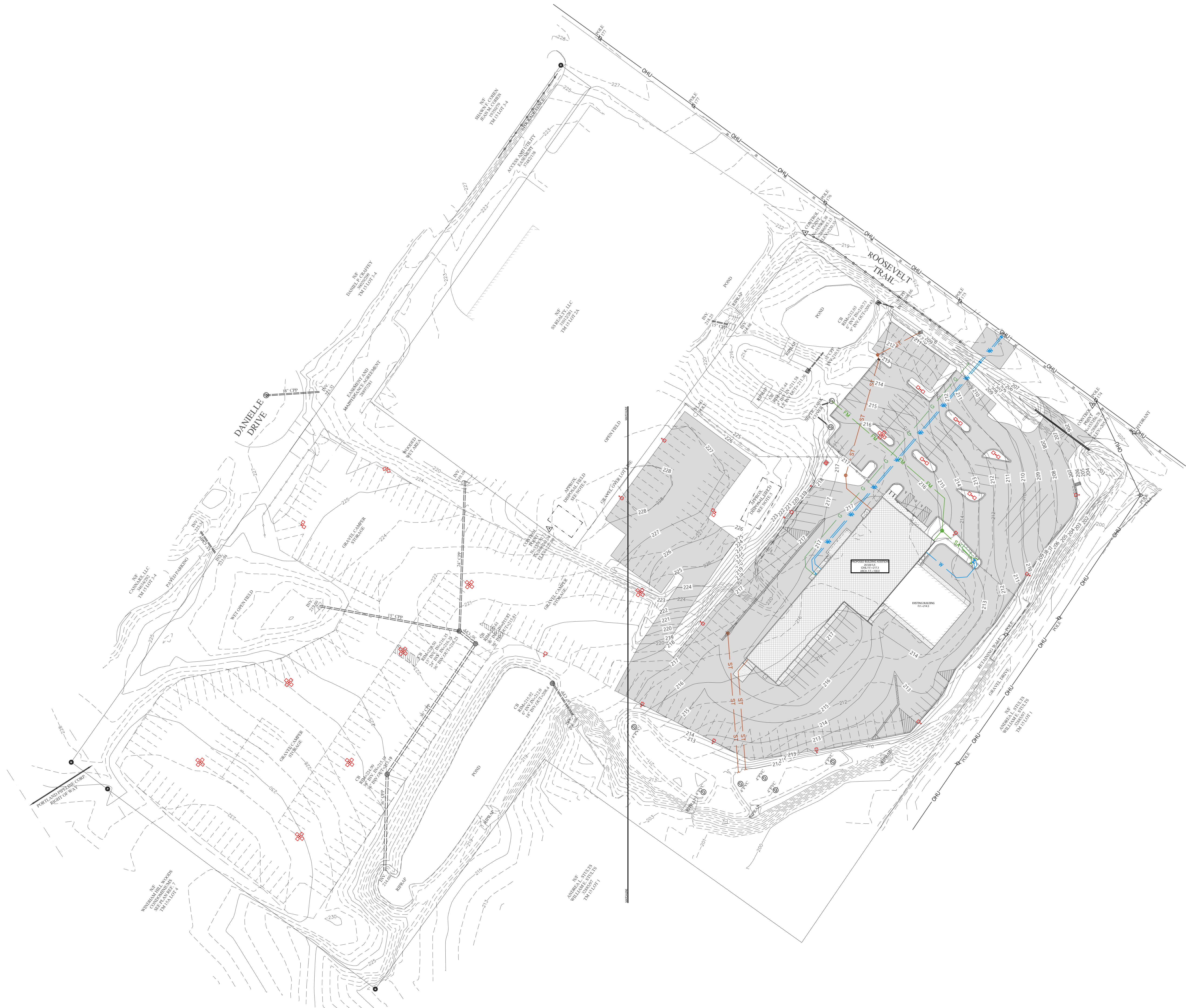
JOB NUMBER

240174100

SHEET NUMBER

C1.2B

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KEY PLAN
NTS



CIVIL UTILITY PLAN - OVERALL



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OCT. 3, 2024	
OCT. 9, 2024	
JAN. 10, 2025	
FEB. 18, 2025	

NOT FOR CONSTRUCTION

JOB NUMBER
240174100

SHEET NUMBER

C1.3



GENERAL NOTES:

- CONTRACTOR TO CALL DIG SAFE AND CONDUCT A PRIVATE UTILITY LOCATE AS REQUIRED TO ENSURE THAT ALL UTILITIES HAVE BEEN LOCATED BEFORE STARTING SITE DEMOLITION.
- FIELD VERIFY ALL DOWNSTREAM CONNECTIONS OF PROPOSED UTILITIES PRIOR TO INSTALLATION.
- PROVIDE POWER TO SEWAGE EJECTOR SE-1. COORDINATE FINAL POWER REQUIREMENTS UPON FINAL SELECTION AND APPROVAL OF PUMPS.



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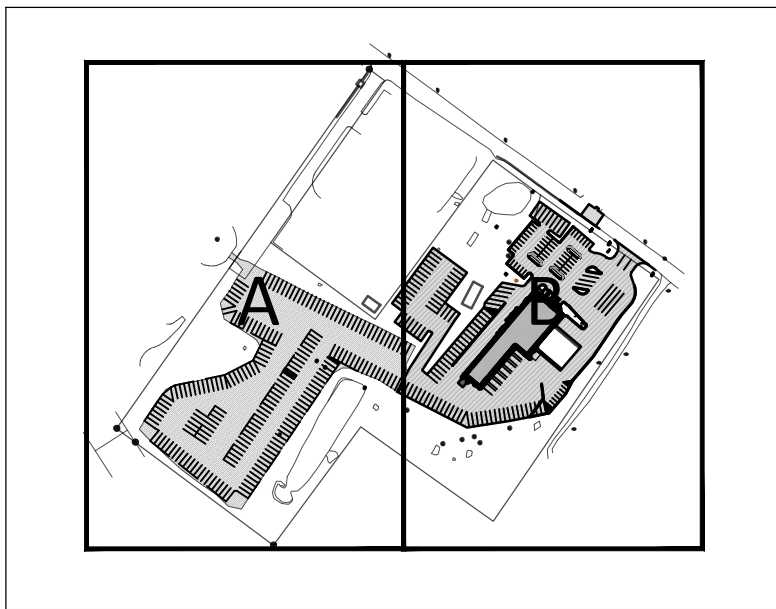
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SHEET NUMBER

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CIVIL UTILITY PLAN - EAST

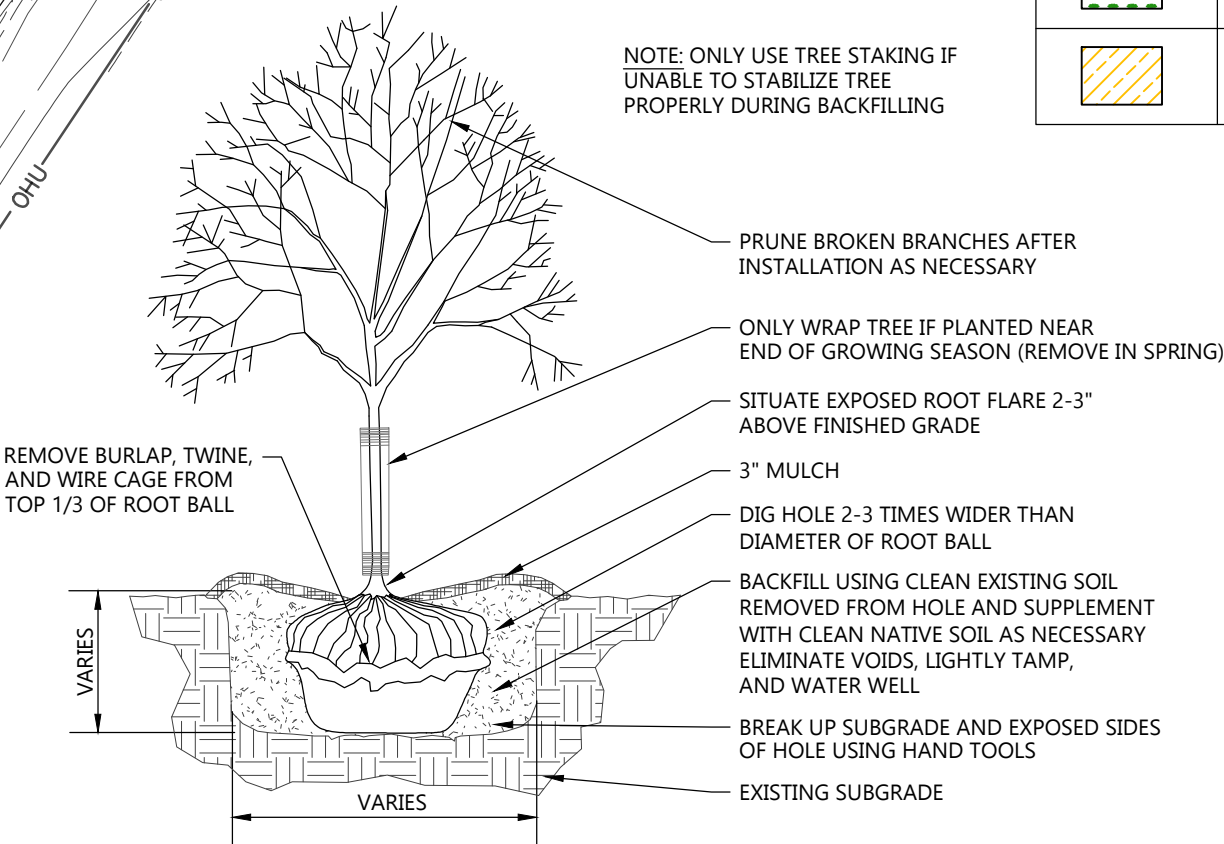


KEY PLAN
NTS

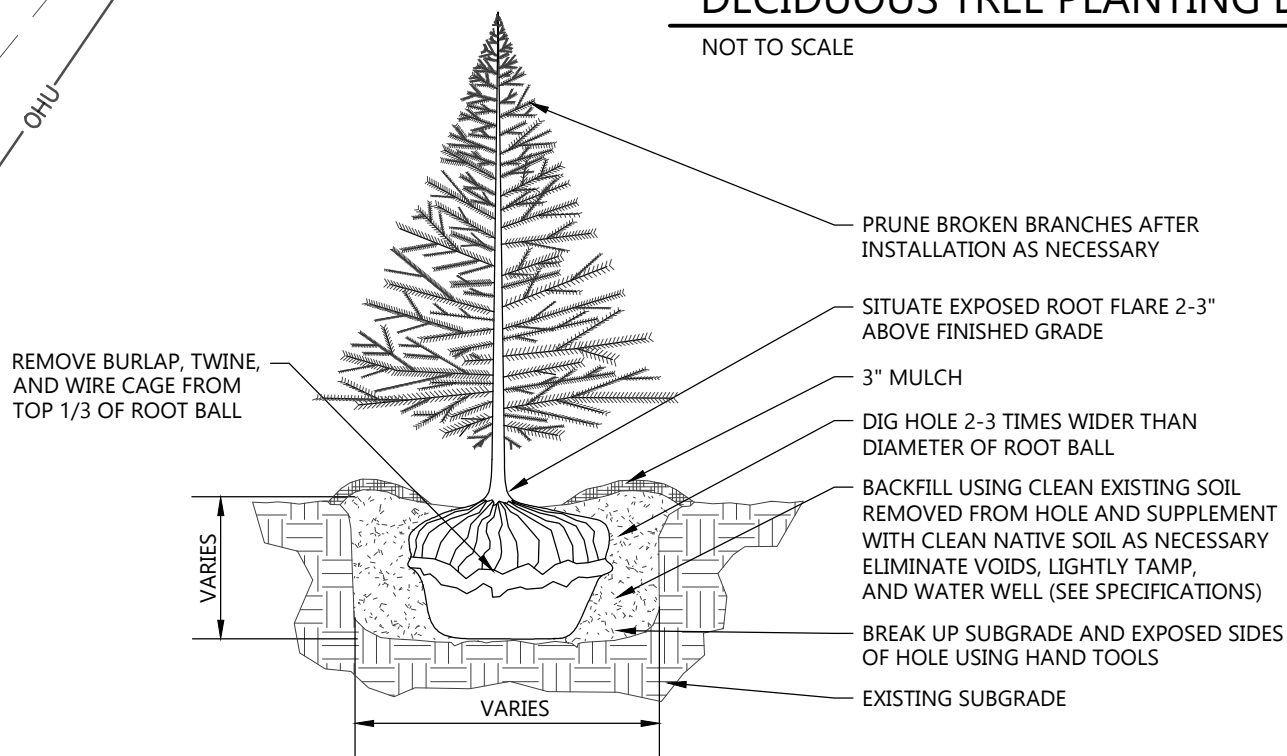
PLANT SCHEDULE					
SYMBOL	COMMON NAME	BOTANICAL NAME	QUANTITY	PLANTED SIZE	ROOT
OVERSTORY TREES					
	Red Maple	Acer rubrum	5	2" CAL.	B&B
	Redmond Linden	Tilia americana 'Redmond'	12	2" CAL.	B&B
UNDERSTORY TREES					
	Allegheny Serviceberry	Amelanchier laevis	12	2" CAL.	B&B
	White Spruce	Picea glauca	9	6' HT.	B&B
	Technito Arborvitae	Thuja occidentalis 'Bail John'	2	6' HT.	B&B
DECIDUOUS SHRUBS					
	Iroquois Beauty Black Chokeberry	Aronia melanocarpa 'Morton'	18	18" HT.	CONT.
	Kelsey's Dwarf Red-Osier Dogwood	Cornus sericea 'Kelsey'	10	18" HT.	CONT.
	Kodiak Orange bush Honeysuckle	Diervilla x 'GZX88544'	13	24" HT.	CONT.
	Little Quick Fire Hydrangea	Hydrangea paniculata 'SMHPLQF'	4	24" HT.	CONT.
	Little Joker Ninebark	Physocarpus opulifolius 'Hoog021'	14	24" HT.	CONT.
	Snowmound Spirea	Spiraea nipponica 'Snowmound'	12	24" HT.	CONT.
EVERGREEN SHRUBS					
	Old Gold Juniper	Juniperus chinensis 'Old Gold'	13	24" HT.	CONT.
	Green Gem Boxwood	Buxus x 'Green Gem'	10	18" HT.	CONT.
	Everlow Yew	Taxus x media 'Everlow'	13	18" HT.	CONT.
PERENNIALS / ORNAMENTAL GRASSES					
	Pink Crush New England Aster	Aster novae-angliae 'Pink Crush'	30	1 GAL.	POT
	Standing Ovation Little Bluestem	Schizacryrium scoparium 'Standing Ovation'	27	1 GAL.	POT

LANDSCAPING CALCULATIONS		
ZONE	REQ. PLANTS	PLANTS PROVIDED
PARKING LOT	60,879 SF PARKING LOT AREA x 15% 60,879 x .15 = 9,132 SF LANDSCAPED AREA	9,212 SF LANDSCAPED AREA
FRONT BUFFER YARD	370' OF FRONTAGE /100' = 3.7 PER 100 LF OF FRONTAGE 1.2 CANOPY TREES x 3.7 = 4.44 TREES 0.4 UNDERSTORY TREES x 3.7 = 1.48 TREES 4 SHRUBS x 3.7 = 14.8 SHRUBS	5 CANOPY TREES 2 UNDERSTORY TREES 33 SHRUBS

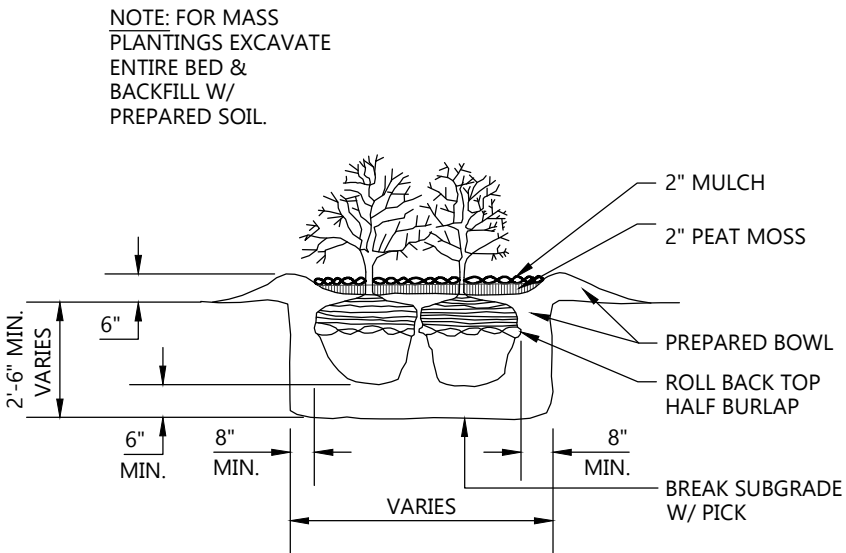
HATCH KEY:	
HATCH	LANDSCAPE MATERIAL
	MINERAL MULCH
	SEEDDED LAWN
	EROSION MATTING (NAG S150) OVER SEEDDED LAWN (> OR = 4:1 SLOPES OUTSIDE OF SWM)



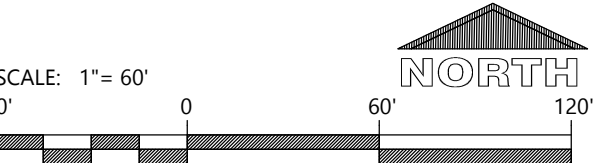
DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE



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920-926-9800
excelengineer.com

COLLABORATION

DBSGROUP

2700 National Drive, Suite 101
Oronago, Wisconsin, 54850
608-681-6007
www.DBSG.com

PROJECT INFORMATION

PROPOSED RETAIL & SERVICE EXPANSION FOR:

CAMPING WORLD

480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

PRELIMINARY DATES

JAN. 10, 2025
FEB. 18, 2025

NOT FOR CONSTRUCTION

JOB NUMBER

240174100

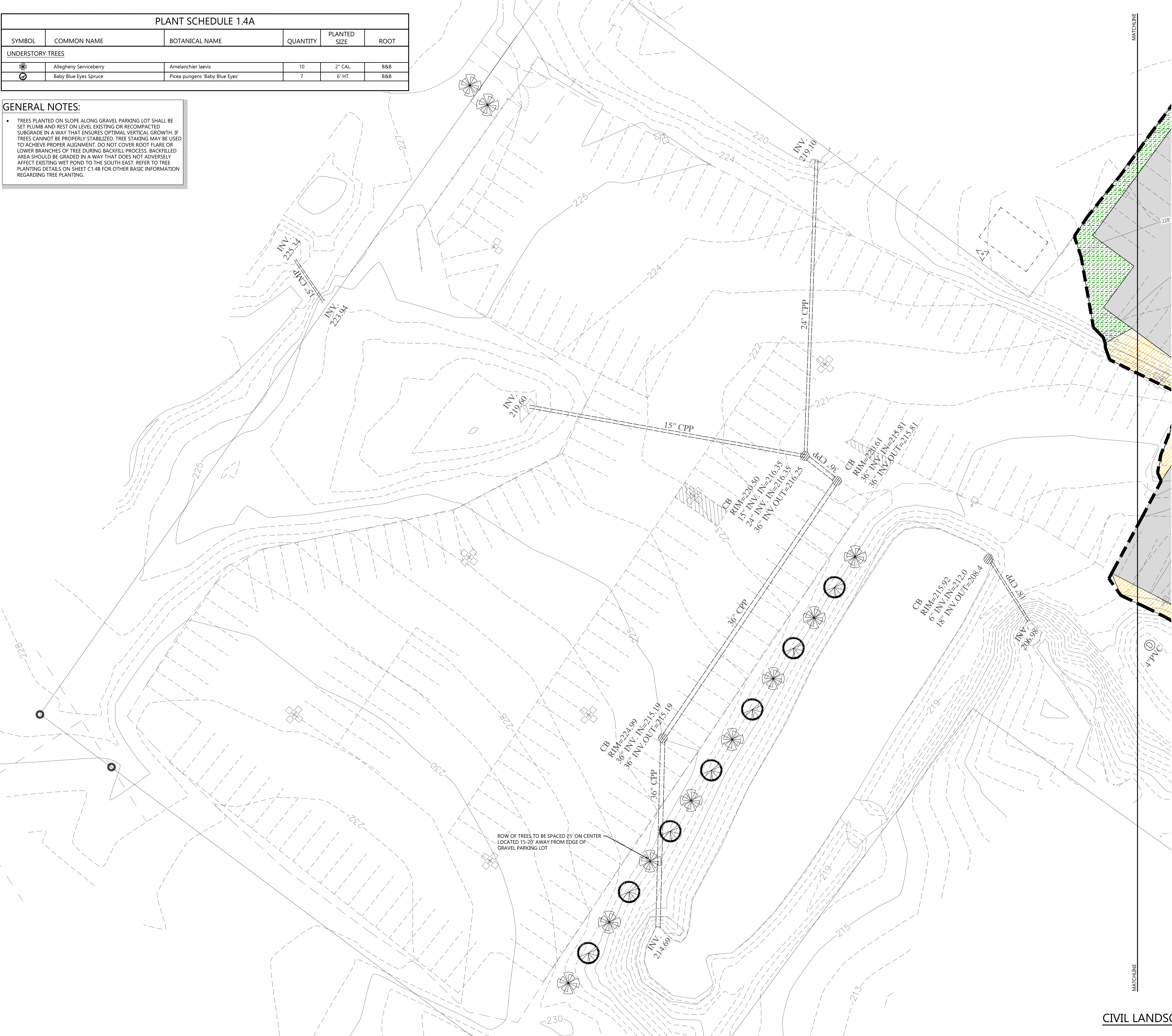
SHEET NUMBER

C1.4

PLANT SCHEDULE 1.4A					
SYMBOL	COMMON NAME	BOTANICAL NAME	QUANTITY	PLANTED SIZE	ROOT
UNDERSTORY TREES					
	Allegheny Serviceberry	Amelanchier laevis	10	2" CAL.	B&B
	Baby Blue Eyes Spruce	Picea pungens 'Baby Blue Eyes'	7	6' HT.	B&B

GENERAL NOTES:

- TREES PLANTED ON SLOPE ALONG GRAVEL PARKING LOT SHALL BE SET PLUMB AND REST ON LEVEL EXISTING OR RECOMPACTED SUBGRADE IN A WAY THAT ENSURES OPTIMAL VERTICAL GROWTH. IF TREES CANNOT BE PROPERLY STABILIZED, TREE STAKING MAY BE USED TO ACHIEVE PROPER ALIGNMENT. DO NOT COVER ROOT FLARE OR LOWER BRANCHES OF TREE DURING BACKFILL PROCESS. BACKFILLED AREA SHOULD BE GRADED IN A WAY THAT DOES NOT ADVERSELY AFFECT EXISTING WET POND TO THE SOUTH EAST. REFER TO TREE PLANTING DETAILS ON SHEET C1.4B FOR OTHER BASIC INFORMATION REGARDING TREE PLANTING.



HATCH KEY:	
HATCH	LANDSCAPE MATERIAL
	MINERAL MULCH
	SEEDED LAWN
	EROSION MATTING (NAG S150) OVER SEEDED LAWN (> CR = 4:1 SLOPES OUTSIDE OF SWM)



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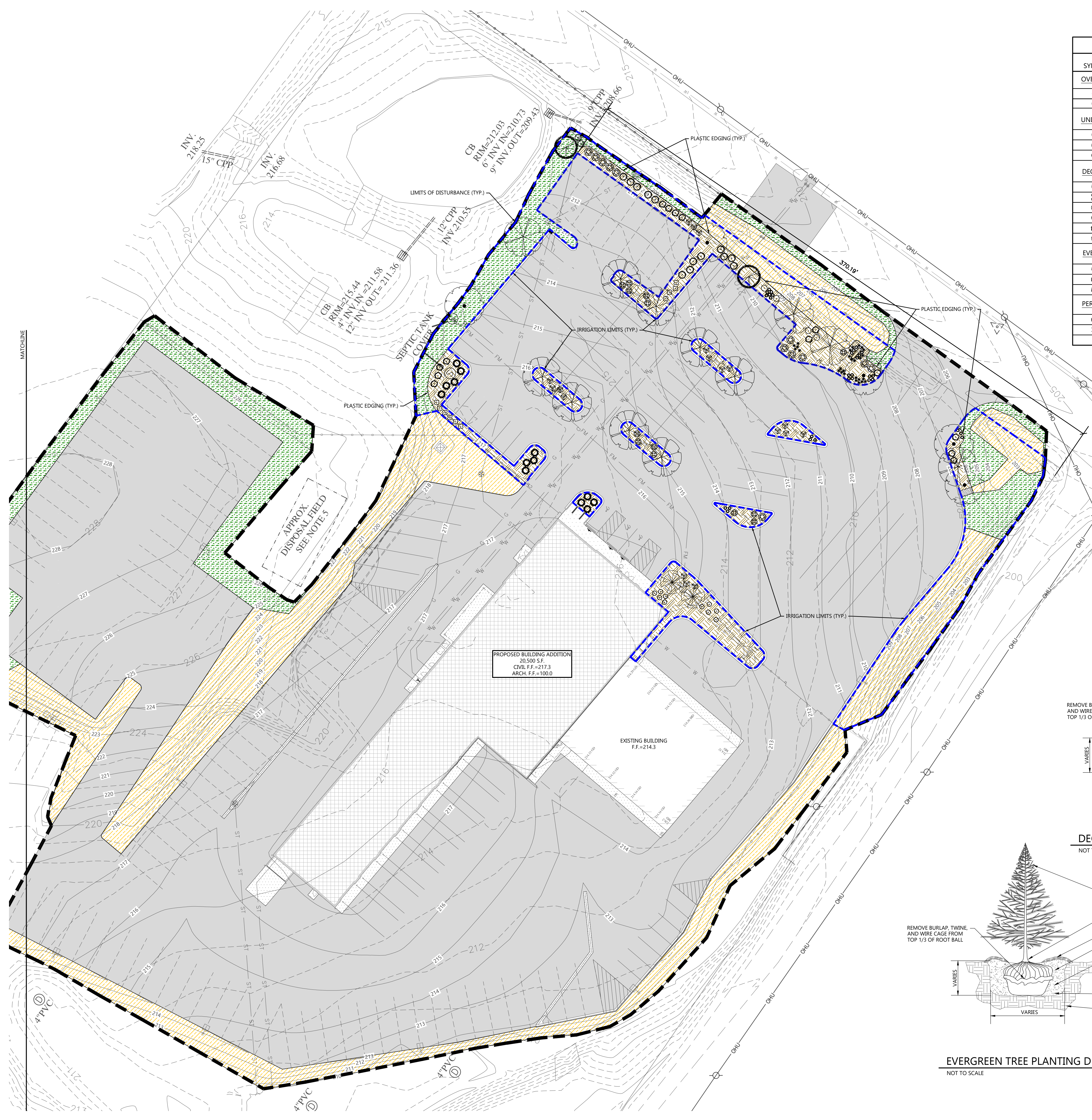
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SHEET NUMBER

C1.4A



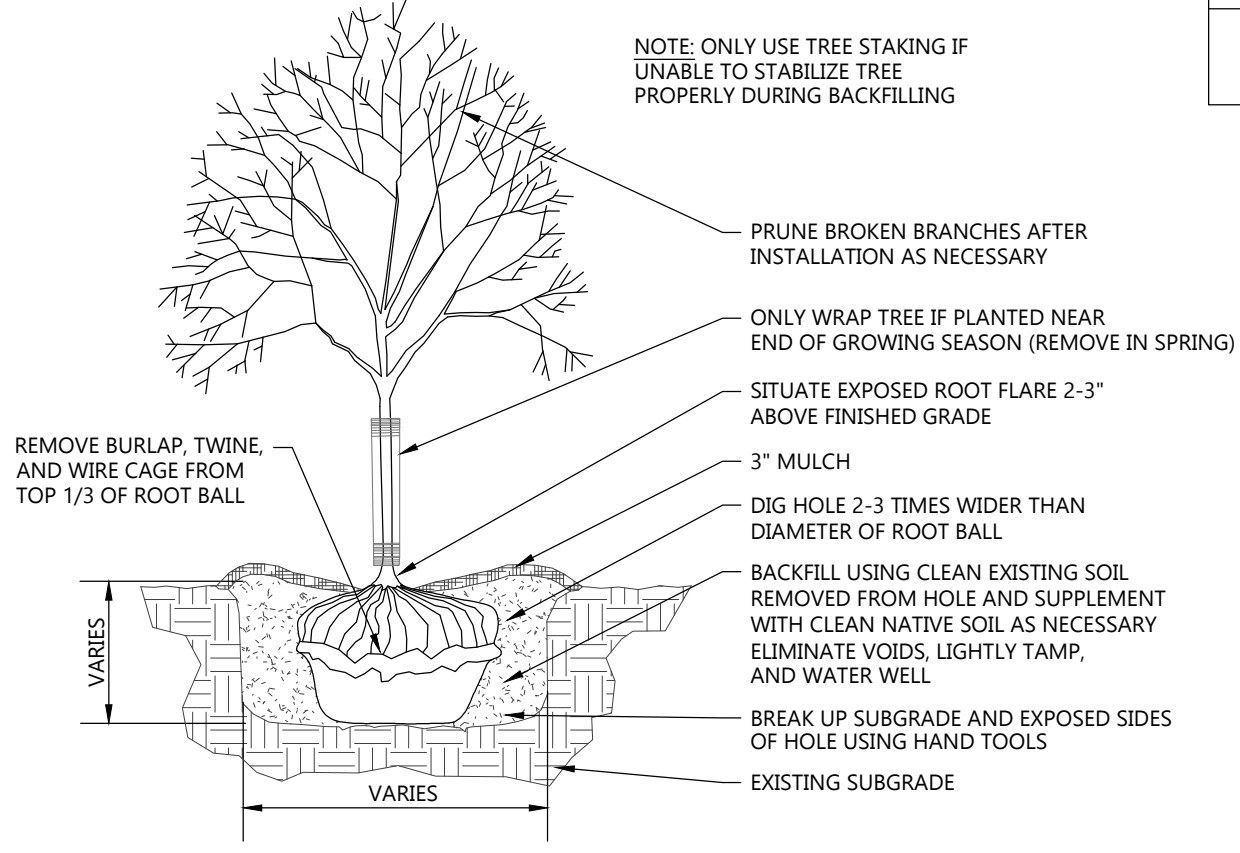
CIVIL LANDSCAPE AND RESTORATION PLAN - WEST



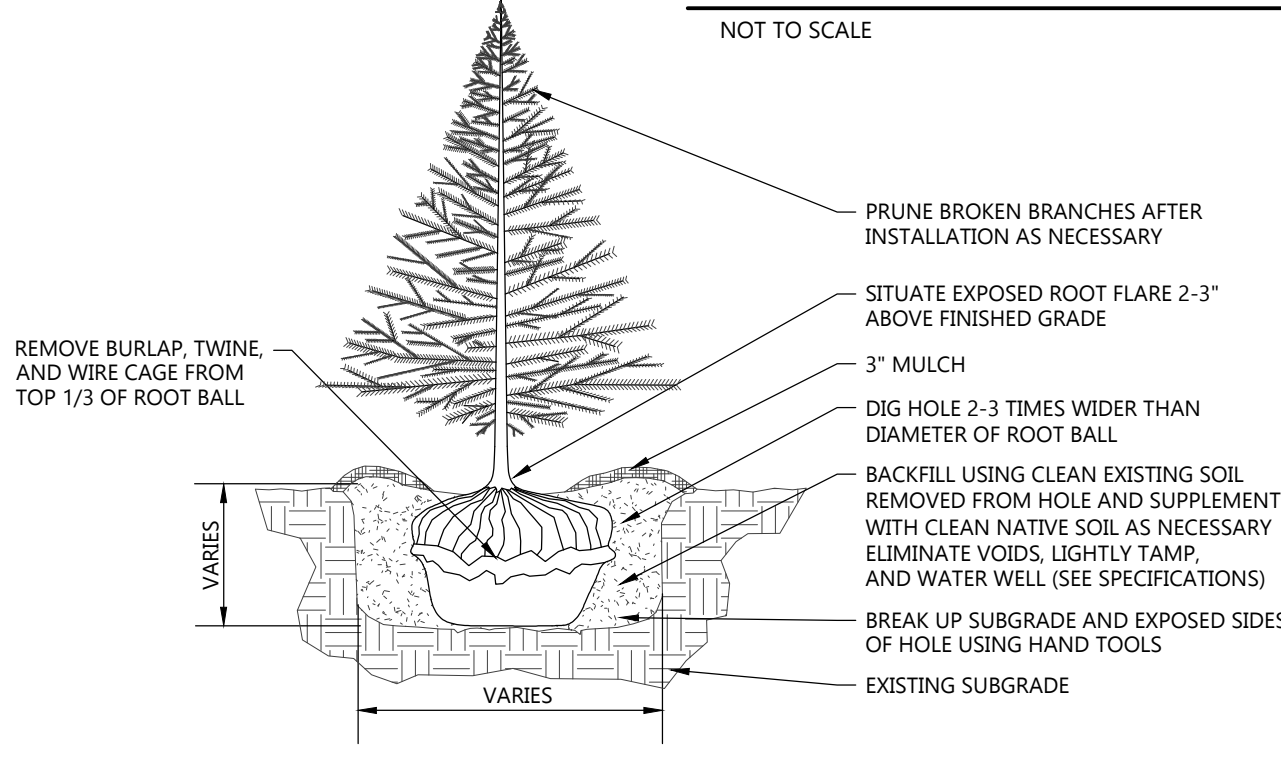
PLANT SCHEDULE 1.4B					
SYMBOL	COMMON NAME	BOTANICAL NAME	QUANTITY	PLANTED SIZE	ROOT
OVERSTORY TREES					
	Red Maple	Acer rubrum	5	2" CAL.	B&B
	Redmond Linden	Tilia americana 'Redmond'	12	2" CAL.	B&B
UNDERSTORY TREES					
	Allegheny Serviceberry	Amelanchier laevis	2	2" CAL.	B&B
	Baby Blue Eyes Spruce	Picea pungens 'Baby Blue Eyes'	2	6' HT.	B&B
	Technito Arborvitae	Thuja occidentalis 'Bail John'	2	6' HT.	B&B
DECIDUOUS SHRUBS					
	Iroquois Beauty Black Chokeberry	Aronia melanocarpa 'Morton'	18	18" HT.	CONT.
	Kelsey's Dwarf Red-Osier Dogwood	Cornus sericea 'Kelsey'	10	18" HT.	CONT.
	Kodiak Orange bush Honeysuckle	Diervilla x 'G2X88544'	13	24" HT.	CONT.
	Little Quick Fire Hydrangea	Hydrangea paniculata 'SMHPLQF'	4	24" HT.	CONT.
	Little Joker Ninebark	Physocarpus opulifolius 'Hoogi021'	14	24" HT.	CONT.
	Snowmound Spirea	Spiraea nipponica 'Snowmound'	12	24" HT.	CONT.
EVERGREEN SHRUBS					
	Old Gold Juniper	Juniperus chinensis 'Old Gold'	13	24" HT.	CONT.
	Green Gem Boxwood	Buxus x 'Green Gem'	10	18" HT.	CONT.
	Everlow Yew	Taxus x media 'Everlow'	13	18" HT.	CONT.
PERENNIALS / ORNAMENTAL GRASSES					
	Pink Crush New England Aster	Aster novae-angliae 'Pink Crush'	30	1 GAL.	POT
	Standing Ovation Little Bluestem	Schizacryrium scoparium 'Standing Ovation'	27	1 GAL.	POT

LANDSCAPING CALCULATIONS		
ZONE	REQ. PLANTS	PLANTS PROVIDED
PARKING LOT	60,879 SF PARKING LOT AREA x 15% 60,835 x .15 = 9,125 SF LANDSCAPED AREA	9,212 SF LANDSCAPED AREA
FRONT BUFFER YARD	370' OF FRONTAGE /100' = 3.7 PER 100 LF OF FRONTAGE 1.2 CANOPY TREES x 3.7 = 4.44 TREES 0.4 UNDERSTORY TREES x 3.7 = 1.48 TREES 4 SHRUBS x 3.7 = 14.8 SHRUBS	5 CANOPY TREES 2 UNDERSTORY TREES 34 SHRUBS

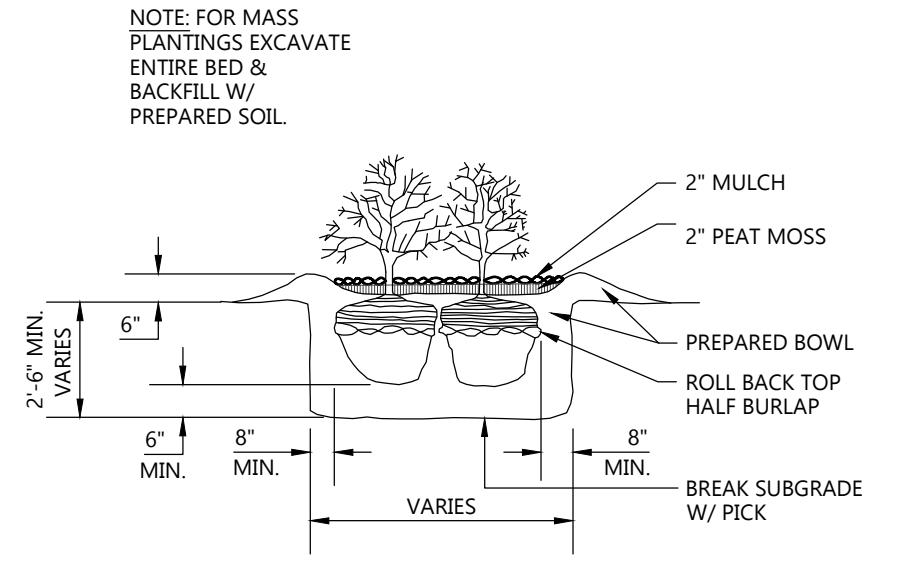
HATCH KEY:	
HATCH	LANDSCAPE MATERIAL
	MINERAL MULCH
	SEEDDED LAWN
	EROSION MATTING (NAG S150) OVER SEEDDED LAWN (± OR = 4:1 SLOPES OUTSIDE OF SWM)



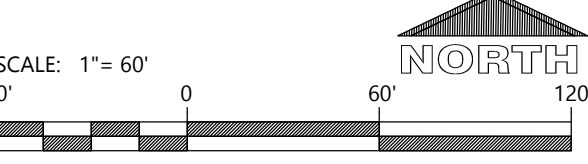
DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE



CIVIL LANDSCAPE AND RESTORATION PLAN - EAST

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PROJECT INFORMATION

PROPOSED RETAIL & SERVICE EXPANSION FOR:
CAMPING WORLD
480 ROOSEVELT TRAIL • WINDHAM, MAINE 04062

PROFESSIONAL SEAL

PRELIMINARY DATES
JAN. 10, 2025
FEB. 18, 2025

JOB NUMBER
240174100

SHEET NUMBER
C1.4B

NOT FOR CONSTRUCTION



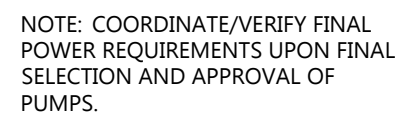
1. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MIN. GUTTER THICKNESS IS MAINTAINED.
3. SEE SITE PLAN & GRADING PLAN FOR INVERTED & SHEDDING CURB LOCATIONS

18" CONCRETE CURB & GUTTER DETAIL

NOT TO SCALE



NOT TO SCALE



SEWAGE EJECTOR SE-1 DETAIL

NOT TO SCALE

NOTE: PLUMBER TO VERIFY FINAL
PUMP CURVE (TDH AND FLOW RATE)
CALCULATIONS BASED ON FINAL
PUMP SELECTION



NOT TO SCALE



NOT TO SCALE

NOTE:
ADA CURB RAMP SHALL CONFORM TO THE
CURRENT EDITION OF ADA STANDARDS FOR
ACCESSIBLE DESIGN FOR ALL
REQUIREMENTS.

- **DETECTABLE WARNING SURFACE.** SURFACE TO BE TRUNCATED DOMES WITH A BASE DIAMETER OF 0.9" MIN. TO 1.4" MAX. AND A TOP DIAMETER OF 0.50" MIN. TO 0.65" MAX. OF THE BASE DIAMETER. HEIGHT OF DOMES SHALL HAVE A HEIGHT OF 0.2". TRUNCATED DOMES SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.6" MIN. AND 2.4" MAX. AND A BASE-TO-BASE SPACING OF 0.65" MIN. MEASURED BETWEEN THE MOST ADJACENT DOMES ON THE GRID. DOMES SHALL BE ALIGNED IN A SQUARE GRID PATTERN.



NOT TO SCALE



1. USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MIN. GUTTER THICKNESS IS MAINTAINED.
3. SEE SITE PLAN & GRADING PLAN FOR INVERTED & SHEDDING CURB LOCATIONS

18" MOUNTABLE CURB & GUTTER DETAIL

NOT TO SCALE

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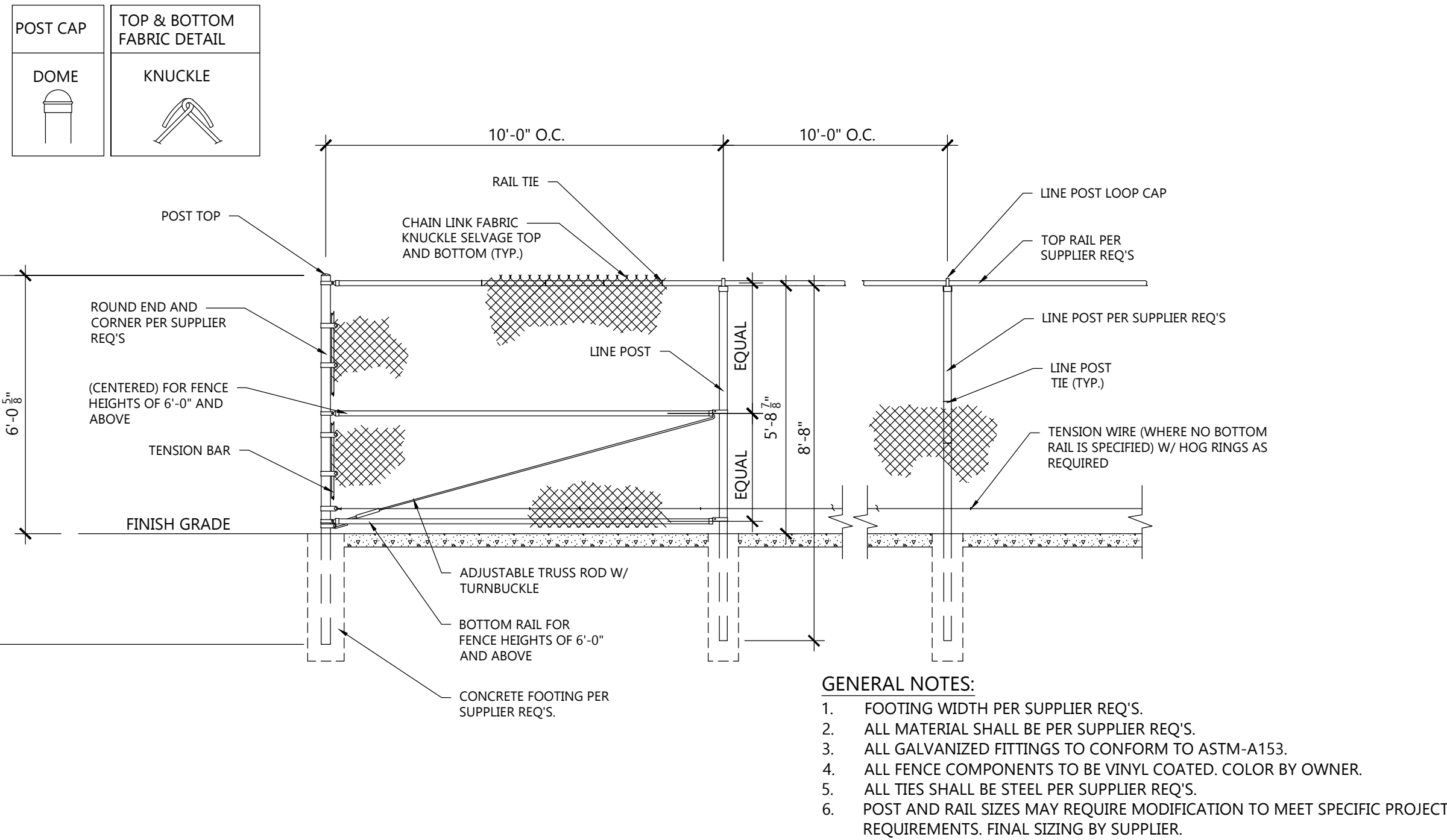
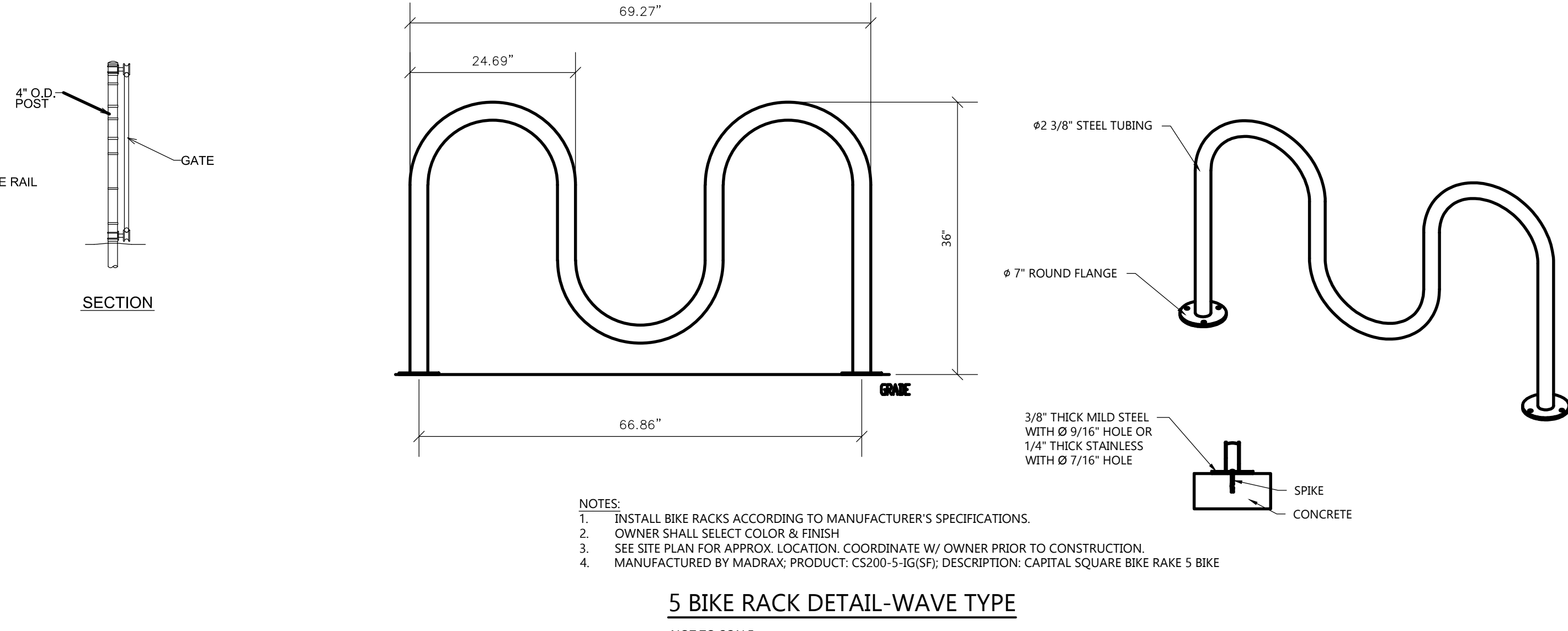
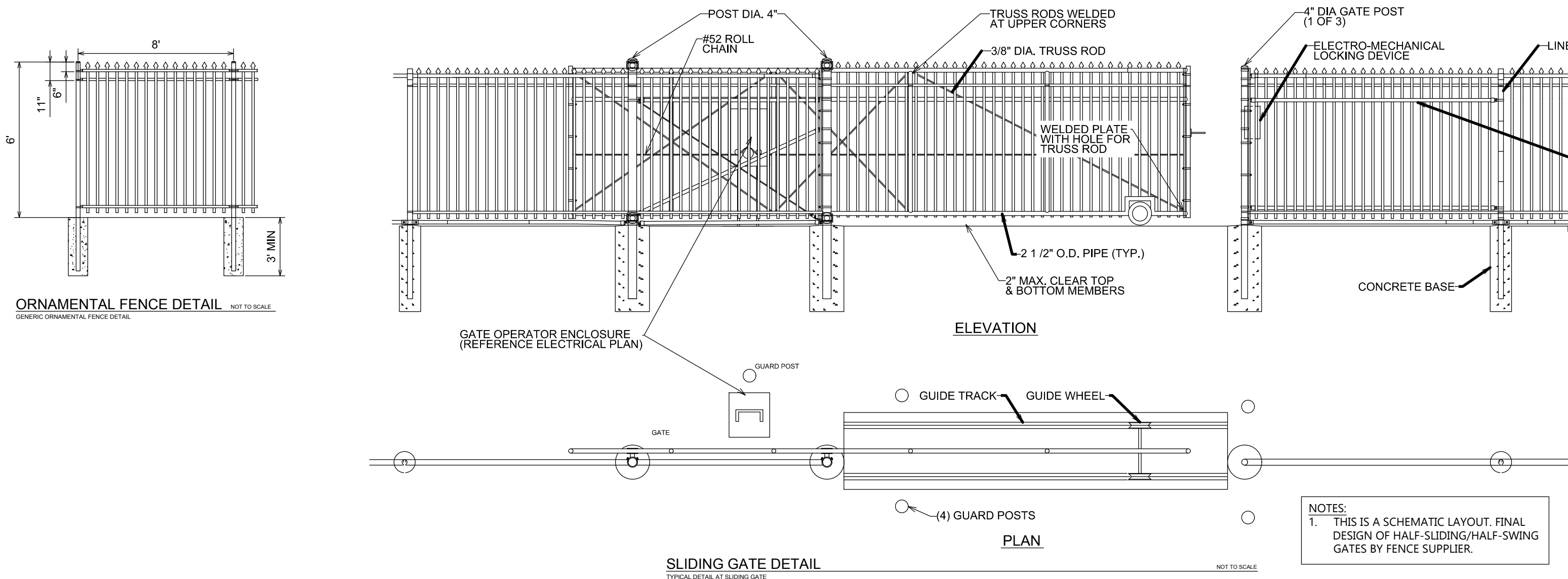
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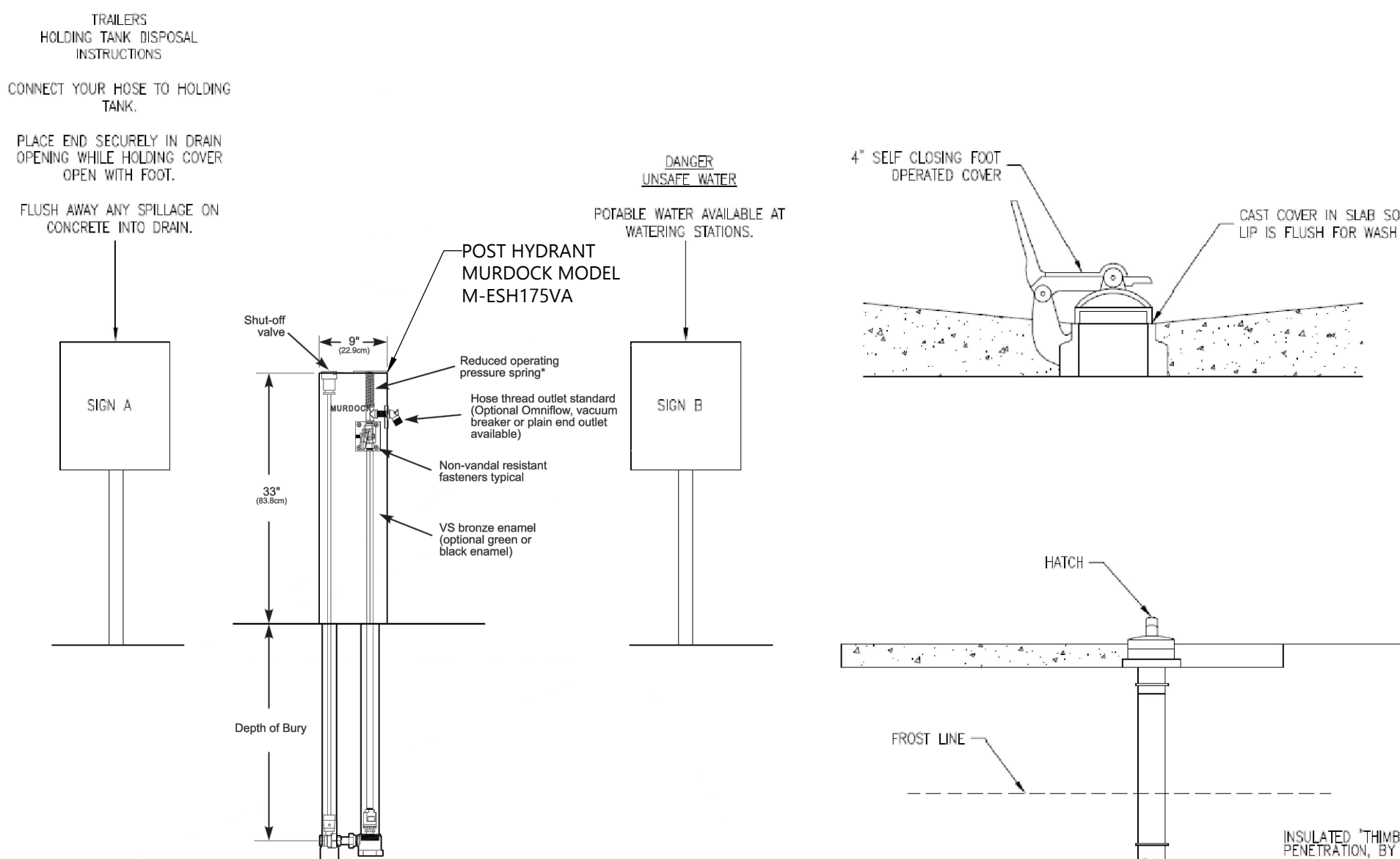
SHEET NUMBER

C2.0



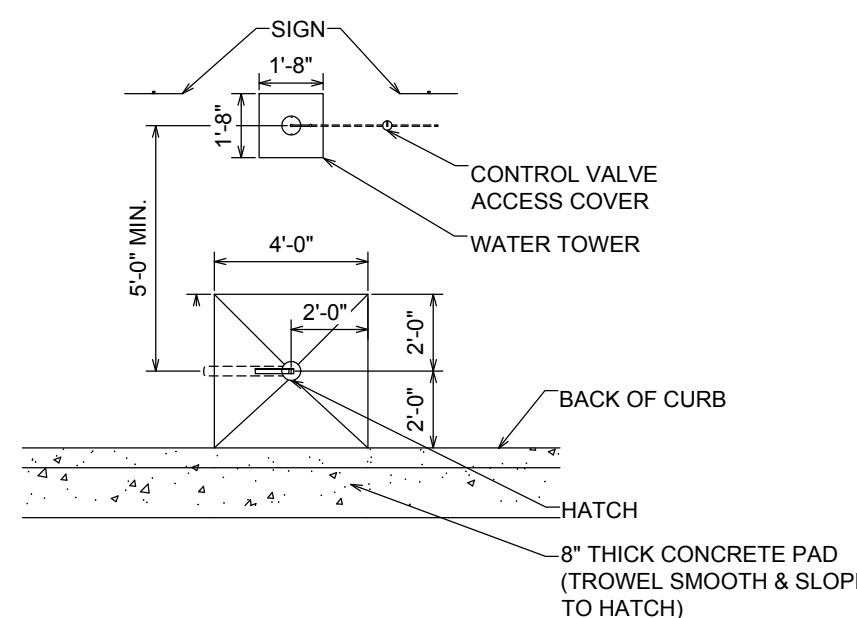
6' HIGH CHAINLINK FENCE DETAIL
NOT TO SCALE

- GENERAL NOTES:
1. FOOTING WIDTH PER SUPPLIER REQ'S.
 2. ALL MATERIAL SHALL BE PER SUPPLIER REQ'S.
 3. ALL GALVANIZED FITTINGS TO CONFORM TO ASTM-A153.
 4. ALL FENCE COMPONENTS TO BE VINYL COATED. COLOR BY OWNER.
 5. ALL TIES SHALL BE STEEL PER SUPPLIER REQ'S.
 6. POST AND RAIL SIZES MAY REQUIRE MODIFICATION TO MEET SPECIFIC PROJECT REQUIREMENTS. FINAL SIZING BY SUPPLIER.

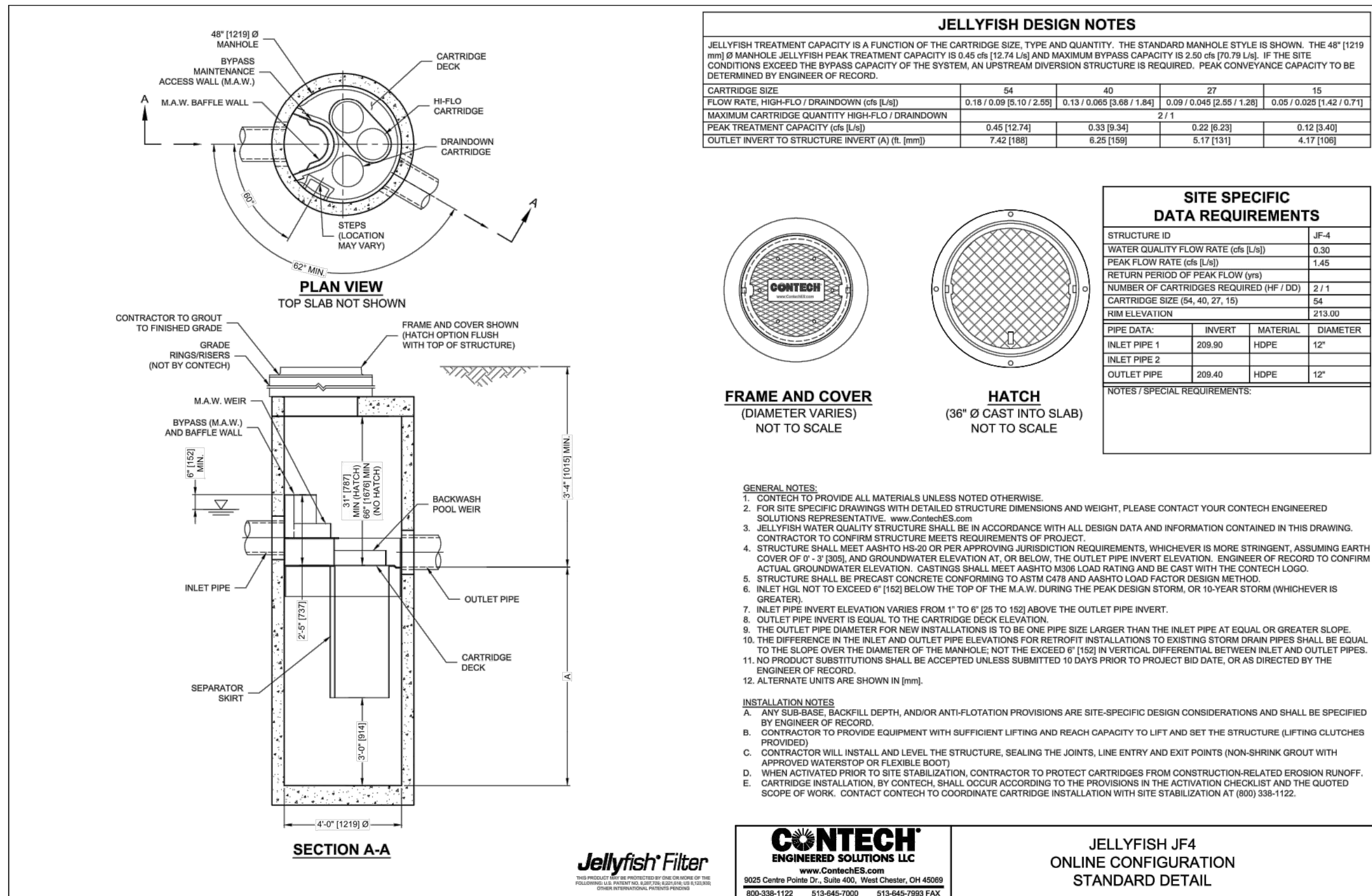


DUMP STATION DETAIL
NOT TO SCALE

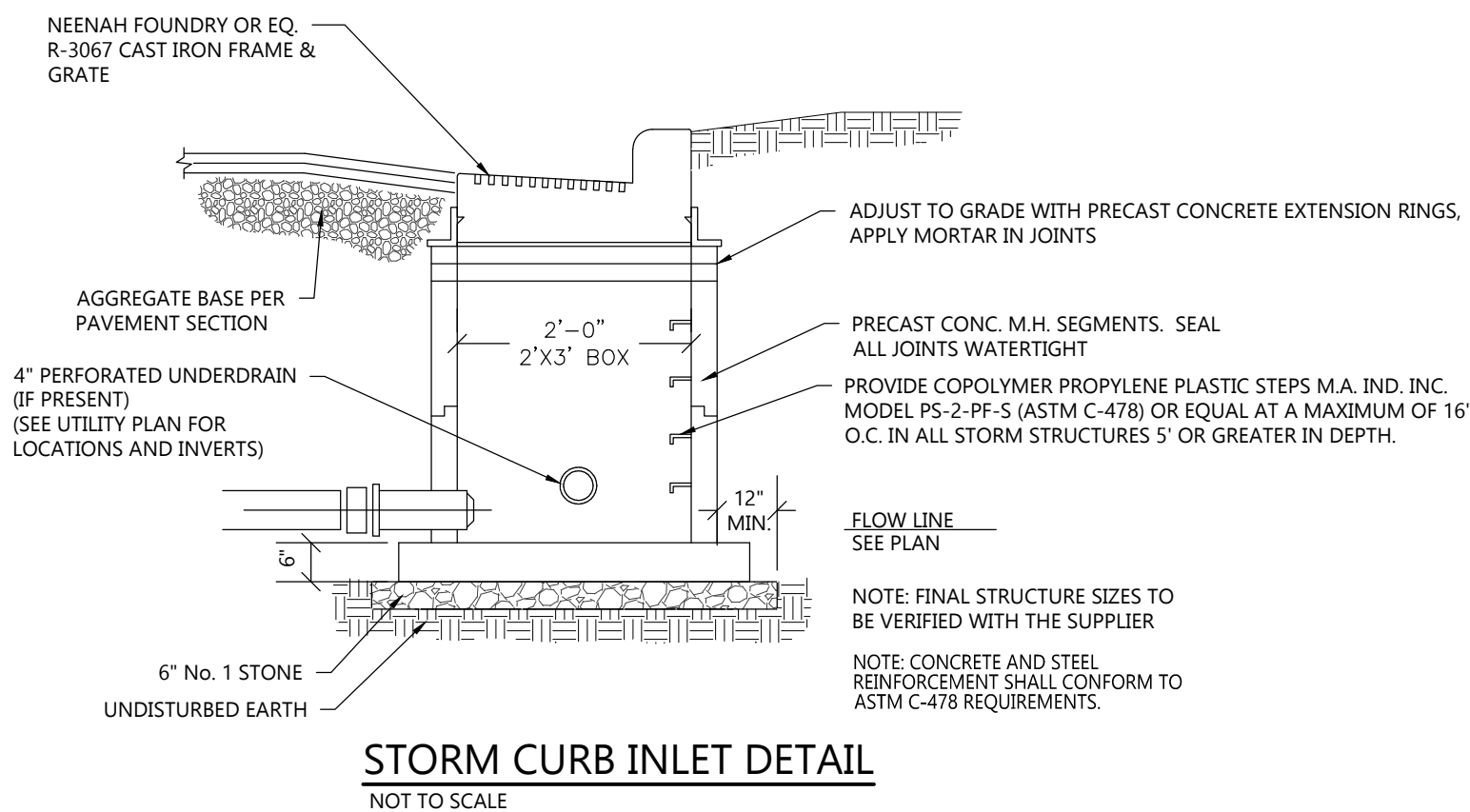
DUMP STATION NOTE:
COORDINATE WITH MEP PLANS AND CAMPING WORLD
PROJECT SPECIFIC SPECIFICATIONS.
FOLLOW CITY REQUIREMENTS.



DUMP STATION DETAIL
COORDINATE W/ PLUMBING DRAWINGS FOR DUMP STATION DETAILS



Jellyfish JF4
ONLINE CONFIGURATION
STANDARD DETAIL



STORM CURB INLET DETAIL
NOT TO SCALE

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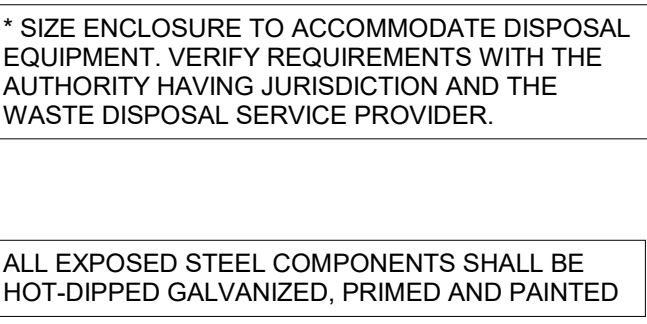
JAN. 10, 2025
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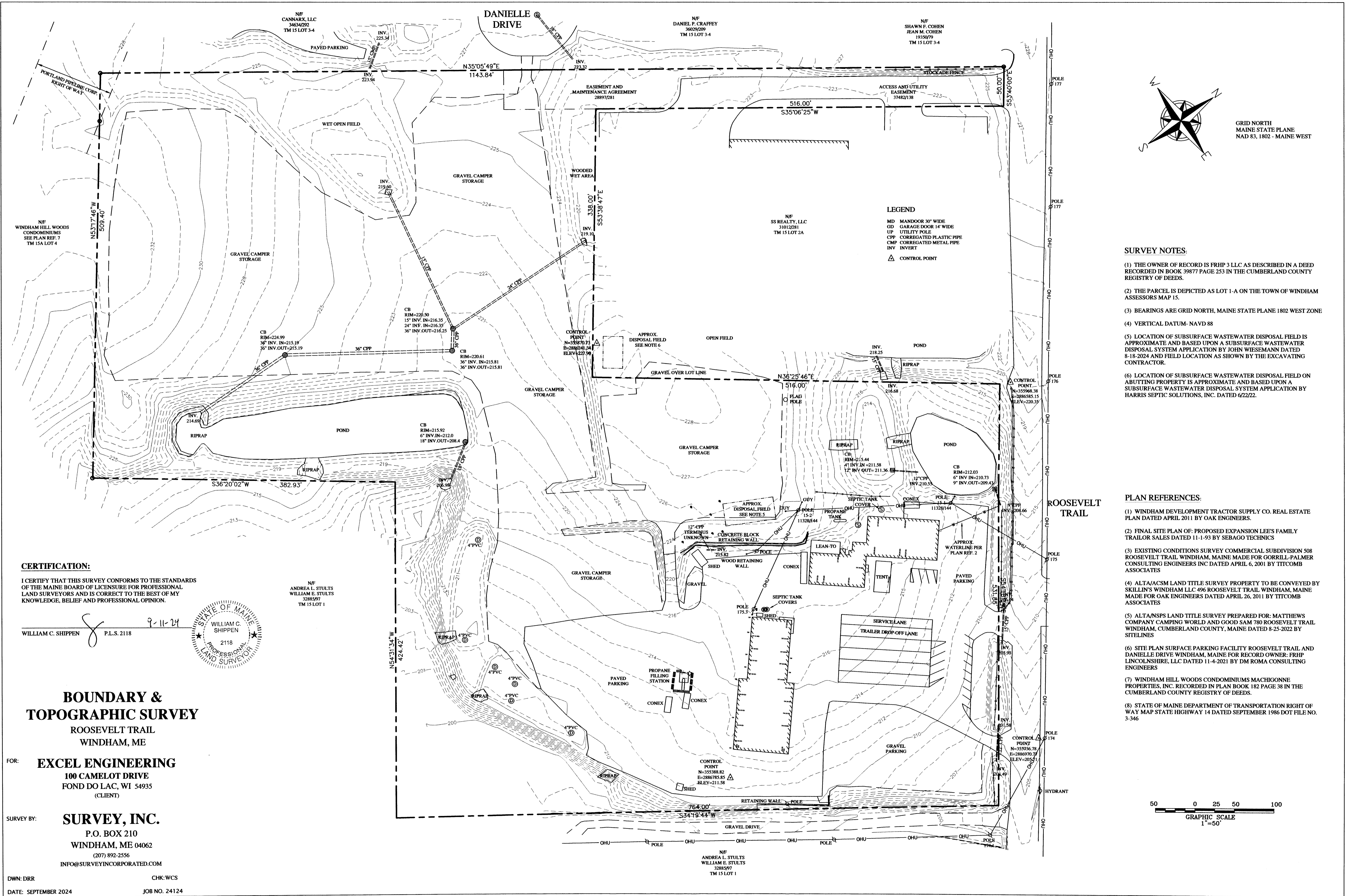
C2.1



SCALE: 1/2" = 1'-0" AS102



SCALE: 1" = 1'-0" AS102



CERTIFICATION:

I CERTIFY THAT THIS SURVEY CONFORMS TO THE STANDARDS OF THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS AND IS CORRECT TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL OPINION.

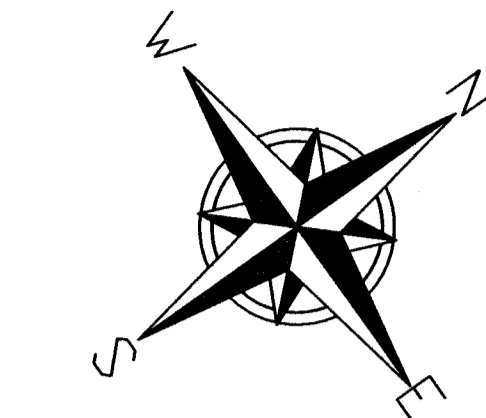
WILLIAM C. SHIPPEN
P.L.S. 2118
9-11-24
STATE OF MAINE
WILLIAM C. SHIPPEN
2118
PROFESSIONAL
LAND SURVEYOR

BOUNDARY &
TOPOGRAPHIC SURVEY
ROOSEVELT TRAIL
WINDHAM, ME

FOR: EXCEL ENGINEERING
100 CAMELOT DRIVE
FOND DO LAC, WI 54935
(CLIENT)

SURVEY BY: SURVEY, INC.
P.O. BOX 210
WINDHAM, ME 04062
(207) 892-2556
INFO@SURVEYINCORPORATED.COM

DWN: DRR CHK: WCS
DATE: SEPTEMBER 2024 JOB NO. 24124



GRID NORTH
MAINE STATE PLANE
NAD 83, 1802 - MAINE WEST

SURVEY NOTES:

- (1) THE OWNER OF RECORD IS FRHP 3 LLC AS DESCRIBED IN A DEED RECORDED IN BOOK 39877 PAGE 253 IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS.
- (2) THE PARCEL IS DEPICTED AS LOT 1-A ON THE TOWN OF WINDHAM ASSESSORS MAP 15.
- (3) BEARINGS ARE GRID NORTH, MAINE STATE PLANE 1802 WEST ZONE
- (4) VERTICAL DATUM- NAVD 88
- (5) LOCATION OF SUBSURFACE WASTEWATER DISPOSAL FIELD IS APPROXIMATE AND BASED UPON A SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION BY JOHN WIESEMANN DATED 8-18-2024 AND FIELD LOCATION AS SHOWN BY THE EXCAVATING CONTRACTOR.
- (6) LOCATION OF SUBSURFACE WASTEWATER DISPOSAL FIELD ON ADJUTING PROPERTY IS APPROXIMATE AND BASED UPON A SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION BY HARRIS SEPTIC SOLUTIONS, INC. DATED 6/22/22.

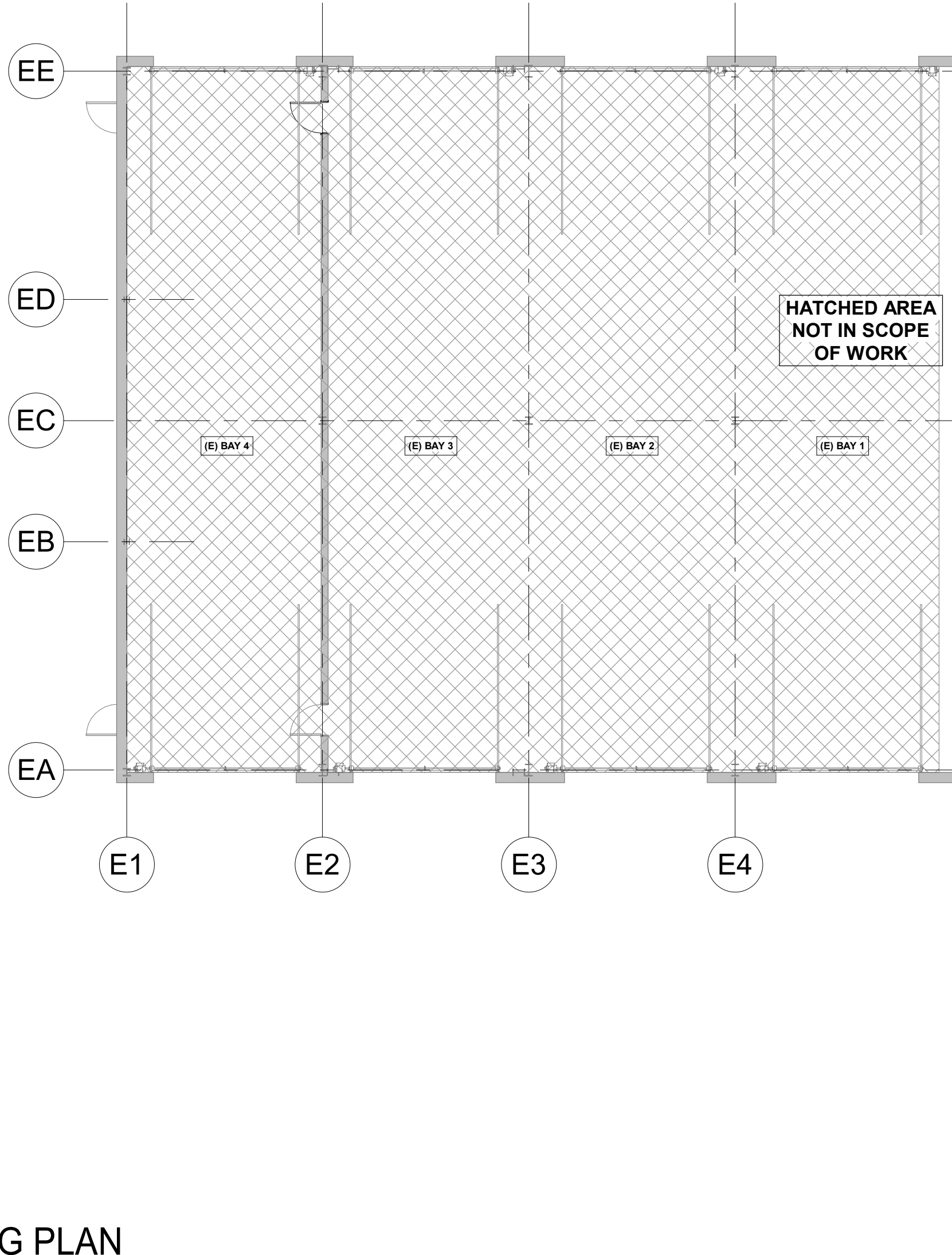
PLAN REFERENCES:

- (1) WINDHAM DEVELOPMENT TRACTOR SUPPLY CO. REAL ESTATE PLAN DATED APRIL 2011 BY OAK ENGINEERS.
- (2) FINAL SITE PLAN OF: PROPOSED EXPANSION LEE'S FAMILY TRAILOR SALES DATED 11-1-93 BY SEBAGO TECHNICS
- (3) EXISTING CONDITIONS SURVEY COMMERCIAL SUBDIVISION 508 ROOSEVELT TRAIL WINDHAM, MAINE MADE FOR GORRILL-PALMER CONSULTING ENGINEERS INC DATED APRIL 6, 2001 BY TITCOMB ASSOCIATES
- (4) ALTA/ACSM LAND TITLE SURVEY PROPERTY TO BE CONVEYED BY SKILLIN'S WINDHAM LLC 496 ROOSEVELT TRAIL WINDHAM, MAINE MADE FOR OAK ENGINEERS DATED APRIL 26, 2011 BY TITCOMB ASSOCIATES
- (5) ALTA/NSPS LAND TITLE SURVEY PREPARED FOR: MATTHEWS COMPANY CAMPING WORLD AND GOOD SAM 780 ROOSEVELT TRAIL WINDHAM, CUMBERLAND COUNTY, MAINE DATED 8-25-2022 BY SITELINES
- (6) SITE PLAN SURFACE PARKING FACILITY ROOSEVELT TRAIL AND DANIELLE DRIVE WINDHAM, MAINE FOR RECORD OWNER: FRHP LINCOLNSHIRE, LLC DATED 11-4-2021 BY DM ROMA CONSULTING ENGINEERS
- (7) WINDHAM HILL WOODS CONDOMINIUMS MACHIGONNE PROPERTIES, INC. RECORDED IN PLAN BOOK 182 PAGE 38 IN THE CUMBERLAND COUNTY REGISTRY OF DEEDS.
- (8) STATE OF MAINE DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP STATE HIGHWAY 14 DATED SEPTEMBER 1986 DOT FILE NO. 3-346

50 0 25 50 100
GRAPHIC SCALE
1"=50'

FLOOR PLAN GENERAL NOTES

- A. FIELD VERIFY THAT EXISTING DOORS, FRAMES AND HARDWARE TO REMAIN ARE IN COMPLIANCE WITH ACCESSIBILITY CODES AND ORDINANCES.
- B. IF EXISTING EXTERIOR THRESHOLDS TO REMAIN EXCEED THE REQUIRED A.O.A. MAXIMUM HEIGHT OF 1/2", REMOVE AND REPLACE WITH ACCESSIBLE THRESHOLD WITH FLOOR LEVEL CHANGE AT ACCESSIBLE DOORWAYS TO HAVE BEVELLED EDGES WITH A SLOPE NO GREATER THAN 1:2.
- C. PROVIDE AND INSTALL APPROVED FIRE STOPPING AT PENETRATIONS OF RATED WALL, FLOOR/CEILING, ROOF/CEILING AND ROOF ASSEMBLIES. FIRE STOPPING TO BE PROVIDED AND INSTALLED BY CONTRACTOR REQUIRING PENETRATION, FIREPROOFING, SEALANTS AND DAMPERS MAY NOT BE SHOWN ON SOME DRAWINGS FOR CLARITY; HOWEVER, ASSEMBLIES MUST BE INSTALLED AS REQUIRED TO MAINTAIN AND/OR PROVIDE RATINGS INDICATED ON DRAWINGS. PENETRATION SEALANTS OR ASSEMBLIES SHALL BE UL LISTED (OR EQUIVALENT) FOR APPROVED INSTALLATION WITHIN THE RATED ASSEMBLY NOTED ON THE PLANS.
- E. WALL TYPES WITH FIRE RATINGS SHALL CONTINUE FROM FLOOR TO FLOOR OR ROOF ABOVE, UNLESS NOTED OTHERWISE.
- F. ALL EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT SPECIAL KNOWLEDGE, KEY, OR EFFORT.
- G. A READILY VISIBLE SIGN SHALL BE ADJACENT TO THE MAIN PUBLIC DOORWAY STATING: "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS".
- H. SAFETY GLAZING SHALL BE PROVIDED AT HAZARDOUS LOCATIONS, INCLUDING, BUT NOT LIMITED TO, GLAZING WITHIN 18" OF WALKING SURFACE, GLAZING IN DOORS AND AT WINDOWS ADJACENT TO DOORS.
- I. DIMENSION NOTES:
- a. ALL STRUCTURAL GRID DIMENSIONS ARE FROM CENTERLINE OF EXISTING STRUCTURAL ELEMENTS UNLESS NOTED OTHERWISE.
- b. ALL DIMENSIONS ARE TAKEN TO OUTSIDE FACE OF SHEATHING OF WALL ASSEMBLY UNLESS NOTED OTHERWISE.
- c. CLEAR SHALL MEAN DIMENSION BETWEEN FACE OF THE FURTHEST PROTRUDING FINISH MATERIAL AT EACH SIDE OF OPENING.
- d. ALL DIMENSIONS ARE FROM INTERIOR FACE OF EXISTING EXTERIOR WALL CONSTRUCTION UNLESS NOTED OTHERWISE.
- J. THE HINGE SIDE OF ALL INTERIOR DOOR FRAMES SHALL BE PLACED 4" FROM THE ADJACENT INTERIOR WALL AS MEASURED TO THE JAMB, UNLESS NOTED OTHERWISE. INTERIOR DOORS PLACED IN MASONRY WALLS SHALL BE PLACED A MINIMUM OF 4" AND MAXIMUM OF 8" AWAY FROM INTERIOR WALLS TO COORDINATE WITH MASONRY COURSING, UNLESS NOTED OTHERWISE.
- K. GENERAL CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATIONS OF MECHANICAL EQUIPMENT PADS AND BASES, INCLUDING POWER AND/OR DRAIN INSTALLATIONS WITH EQUIPMENT MANUFACTURER'S PRIOR TO PROCEEDING WITH THE WORK. INFORM THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES WITH THE CONSTRUCTION DOCUMENTS. CHANGES TO ACCOMMODATE FIELD CONDITIONS AND/OR SUBSTITUTIONS NOT COMMUNICATED IMMEDIATELY SHALL BE MADE WITHOUT CHARGE TO THE OWNER.
- L. ANY NEW EXTERIOR LANDINGS SHALL BE FLUSH WITH THE INTERIOR FINISHED FLOOR SLAB AND SLOPE AWAY FROM THE FACE OF THE BUILDING TO PROVIDE POSITIVE DRAINAGE.
- M. OPEN EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALL ASSEMBLIES AND FOUNDATIONS, BETWEEN WALL AND ROOF ASSEMBLIES, BETWEEN WALLS PANELS, AT PENETRATIONS FOR UTILITY SERVICES, FLOOR ASSEMBLIES AND ROOF ASSEMBLIES OR ANY OTHER OPENING IN THE EXTERIOR ENVELOPE SHALL BE SEALED, CAULKED, GASKETED AND/OR WEATHER STRIPPED TO LIMIT AIR LEAKAGE.
- N. TRENCH CUT OR CORE EXISTING SLAB AS NECESSARY FOR UNDERGROUND UTILITIES. USE GROUND PENETRATING RADAR TO SCAN THE SLAB FOR HIDDEN CONDITIONS PRIOR TO TRENCH CUTTING OR CORE DRILLING. NOTIFY ARCHITECT IF ANY HIDDEN CONDITIONS ARE DISCOVERED THAT COULD IMPACT THE UNDERGROUND UTILITY CONDITIONS OR ROUTING OR WHERE TRENCH CUTTING OR CORE DRILLING MAY ADVERSELY IMPACT THE INTEGRITY OF THE SLAB. IF REQUIRED, ALL SAW CUTTING AND CORING LOCATIONS SHALL BE COORDINATED WITH THE OWNER AND/OR LANDLORD PRIOR TO COMMENCING WORK.
- O. IF CONCRETE FLOOR SLAB TRENCHING IS DETERMINED TO DEVIATE FROM THE PLUMBING PLANS, THE GENERAL CONTRACTOR IS REQUIRED TO SUBMIT AN UPDATED TRENCHING PLAN TO THE ARCHITECT FOR APPROVAL IMMEDIATELY PRIOR TO COMMENCING THE WORK.
- P. WHENEVER POSSIBLE, SAW CUTS SHALL BE LOCATED INSIDE THE PROPOSED COOKING AND SERVICE AREAS SCHEDULED TO RECEIVE FLOOR TILE AND SHALL NOT OCCUR IN PROPOSED SEATING AREAS OR PASSAGEWAYS.
- Q. INTERIOR WALLS TO TERMINATE AT UNDERSIDE OF ROOF/CEILING ASSEMBLY ABOVE UNLESS NOTED OTHERWISE.
- R. PROVIDE VERTICAL AND HORIZONTAL CONTROL JOINTS IN GYPSUM BOARD SURFACES AT 30'-0" ON CENTER MAXIMUM.
- S. PROVIDE SOUND BATT INSULATION AT INTERIOR PARTITION WALLS TO ROOF/CEILING ASSEMBLY AT LOCATIONS INDICATED ON PLAN.
- T. USE 5/8" WATER RESISTANT GYPSUM BOARD INSIDE TOILETS TO 8'-0" MINIMUM ABOVE FINISHED FLOOR ELEVATION.
- U. GENERAL CONTRACTOR TO INSTALL METAL CORNER BEADS AT OUTSIDE CORNERS OF GYPSUM BOARD SURFACES, UNLESS NOTED OTHERWISE.
- V. PROVIDE AND INSTALL NON-COMBUSTIBLE OR FIRE RETARDANT BLOCKING AND/OR BACKING FOR ATTACHMENT OF WALL-HUNG OR SUSPENDED ITEMS AS REQUIRED.
- W. GENERAL CONTRACTOR TO COORDINATE AND INSTALL WALL BLOCKING AND BACKING AS REQUIRED FOR ALL KITCHEN, DINING AND TOILET EQUIPMENT AND ACCESSORIES.
- X. GENERAL CONTRACTOR TO COORDINATE, PROVIDE AND INSTALL NECESSARY BLOCKING FOR OWNER CONTRACTED SIGNAGE AND TABLE SUPPORTS.
- Y. PROVIDE WOOD BLOCKING (OR STEEL STUD) ABOVE GYPSUM BOARD CEILINGS AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (E.G. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL Baffles, ETC.).
- Z. CARPENTER TO PROVIDE FURRED CHASE AND/OR SOFFIT AS REQUIRED TO CONCEAL MECHANICAL DUCTS, PIPING AND ELECTRICAL WIRING. REFER TO AND COORDINATE WITH ENGINEERED CONSTRUCTION DOCUMENTS BY OTHERS TO VERIFY SIZE AND LOCATIONS REQUIRED. COORDINATE WITH ARCHITECT TO DETERMINE FINISHED SIZE, HEIGHT, PROFILE AND FINISH MATERIAL.
- AA. VERIFY LOCATION, SIZE AND WALL THICKNESS REQUIRED TO RECESS MECHANICAL, PLUMBING AND ELECTRICAL ITEMS AND MAINTAIN FIRE RATING REQUIREMENTS OF THE WALL (IF REQUIRED) AT BUILT-INS UNLESS NOTED OTHERWISE. UNIT HEATERS, CONVECTORS, ELECTRICAL PANELS, FIRE EXTINGUISHERS, CABINETS, DUCTS, PIPING AND OTHER SUCH ITEMS REQUIRING RECESSES.
- BB. 1X TRIM AS NOTED SHALL BE OF A CLEAR, MODIFY STAIN GRADE PINE, UNLESS NOTED OTHERWISE.
- CC. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL INSTALL WHAT IS REQUIRED FOR ANY CEILING AND/OR WALL ACCESS PANELS. OTHERS SHALL INSTALL OR BUILD IN SUCH ACCESS PANELS, UNLESS NOTED OTHERWISE.
- DD. GENERAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF REQUIRED ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS SHALL BE PROVIDED BY THE TRADE REQUIRING ACCESS. LOCATIONS TO BE PRELIMINARILY LOCATED IN GYPSUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE PRIOR TO INSTALLATION.
- EE. GENERAL CONTRACTOR SHALL SNAKE AND CLEAR FLOOR DRAINS PRIOR TO TURN OVER. CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO, REMOVAL OF ANY GROUT FROM FLOOR DRAIN COVERS.
- FF. GAS PIPING ON THE EXTERIOR, UNDER FLOOR, AND BELOW EXISTING ROOF/CEILING, ASSEMBLY SHALL BE GALVANIZED.
- GG. USE ONLY NON-CORROSIVE FASTENERS ON PRESSURE TREATED LUMBER.
- HH. PROVIDE AND INSTALL ESCUTCHEON PLATES AT KITCHEN AND TOILET WALL PENETRATIONS.
- II. PROVIDE AND INSTALL ACCESSIBLE SIGNAGE (TOILETS, ETC.) AS REQUIRED BY LOCAL CODES, ORDINANCES AND LAWS.



1 BUILDING PLAN
SCALE: 3/32" = 1'-0" A-210

CONSULTANT



CLIENT:

CAMPING WORLD

CAMPING WORLD INC.
2 MARRIOTT DRIVE
LINCOLNSHIRE, IL 60069

PROJECT INFORMATION:

CAMPING WORLD

480 ROOSEVELT TRAIL
WINDHAM, ME 04062

SEAL:

NOT FOR
CONSTRUCTION

PROJECT NO. 2024-0241
DRAWN BY LEF / M/HW
CHECKED BY <P.M. INITIALS>

ISSUE DATE
PEMB SET 2024.09.20

REVISION DATE

TITLE:

BUILDING PLAN

SHEET NUMBER:

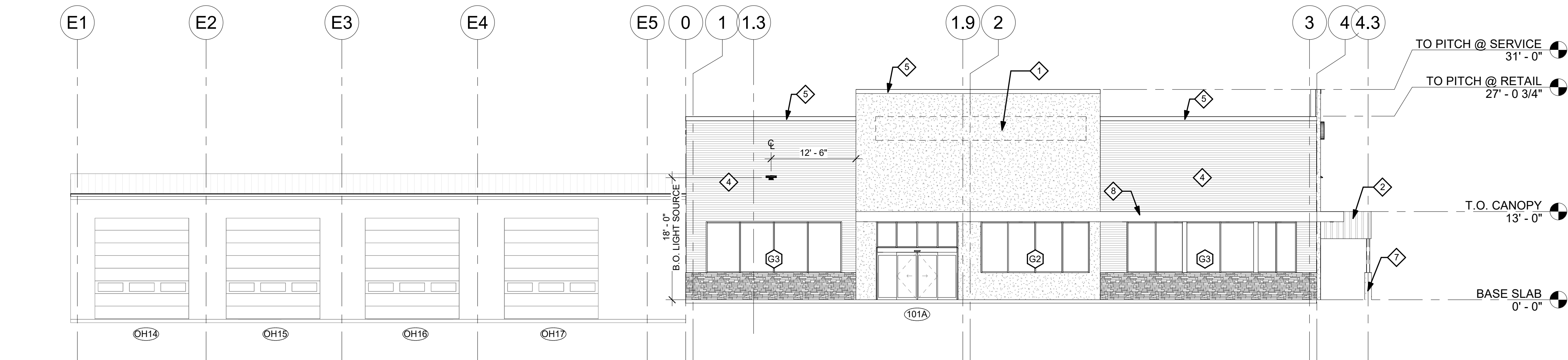
A-210

EXTERIOR ELEVATIONS GENERAL NOTES

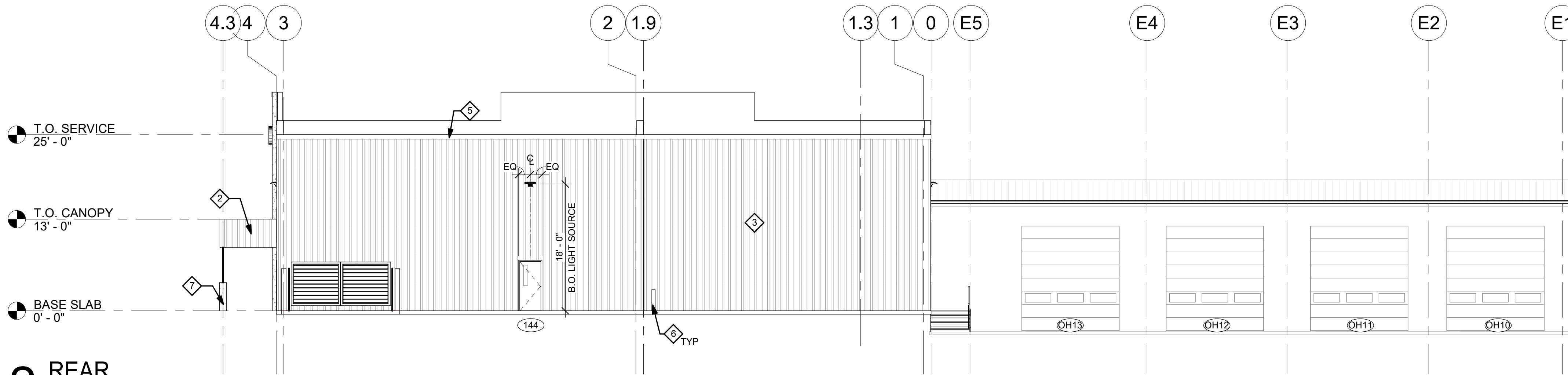
- A. EXTERIOR SIGNAGE LOCATIONS, SIZES, AND DESCRIPTIONS SHOWN FOR REFERENCE ONLY. PERMIT AND INSTALL BY OTHERS.
B. PROVIDE BLOCKING, SUPPORTS, AND UTILITIES FOR EXTERIOR SIGNAGE AS REQUIRED.

KEYNOTE LEGEND

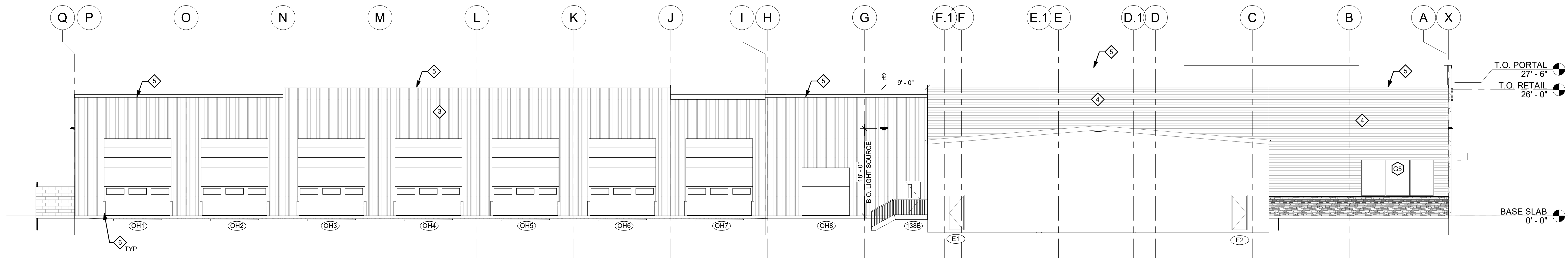
- 1 DASHED LINE INDICATES AREA OF PROPOSED BUILDING SIGNAGE UNDER SEPARATE PERMIT.
2 PREFINISHED METAL CANOPY FOR COVERED GOLF CART PARKING. REFER TO SHOP DRAWINGS BY MANUFACTURER FOR ADDITIONAL INFORMATION.
3 VERTICAL 26 GAUGE METAL WALL PANEL | COLOR: NUCOR SP POLAR WHITE
4 HORIZONTAL 26 GAUGE METAL WALL PANEL | COLOR: NUCOR SP POLAR WHITE
5 PREFINISHED METAL COPING AND TRIM AT EACH PARAPET OR TOP OF WALL | COLOR: NUCOR PVDF CHARCOAL
6 BOLLARDS TO BE PAINTED | COLOR: SAFETY YELLOW
7 EXPOSED CANOPY COLUMNS TO BE PAINTED | COLOR: NUCOR PVDF CHARCOAL
8 PREFINISHED METAL CANOPY ABOVE STOREFRONT DOORS | COLOR: NUCOR PVDF CHARCOAL



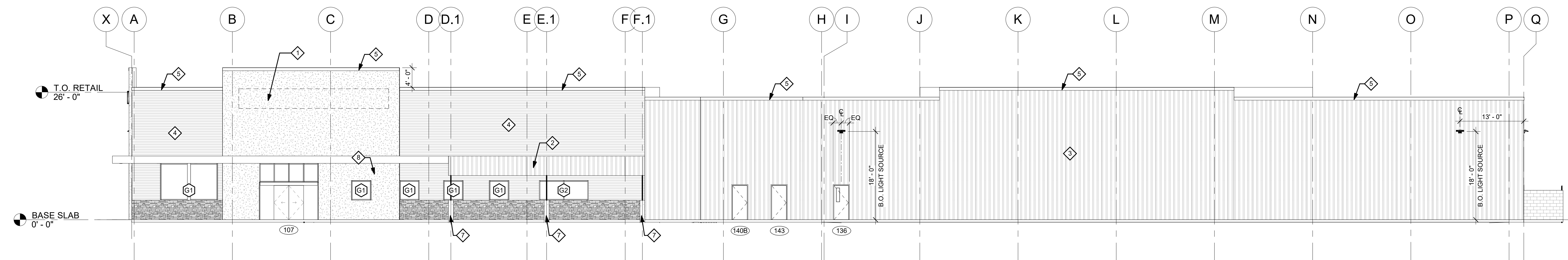
1 FRONT
SCALE: 1" = 10'-0" A-700



2 REAR
SCALE: 1" = 10'-0" A-700



3 LEFT
SCALE: 1" = 10'-0" A-700



4 RIGHT
SCALE: 1" = 10'-0" A-700



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Facade Requirements: Required to have transparent openings 40% of the horizontal length of the ground floor.
- Total Length of Front Facade: 93'-0"
- Length of transparent openings provided: 73'-0" (78%)



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2 MARRIOT DRIVE
LINCOLNSHIRE, IL 60069

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DRAWN BY LEF / MJHW
CHECKED BY <P.M. INITIALS>

ISSUE DATE
PEMB SET 2024.09.20

REVISION DATE

TITLE: **EXTERIOR
RENDERING**

SHEET NUMBER:
A-701