

PROPOSED BUILDING ADDITION TO: KUNES FOX VALLEY RV TOWN OF CLAYTON, WISCONSIN LEGEND

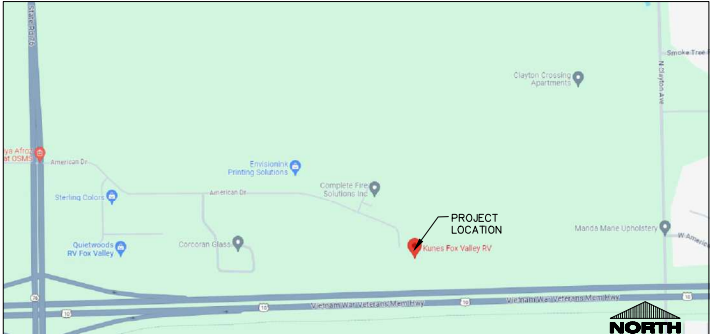
• 1000.00	PROPOSED SPOT ELEVATIONS (FLOW LINE OF CURB UNLESS OTHERWISE SPECIFIED)		EXISTING CONIFEROUS TREE
• 1000.00 EG	EXISTING GRADE SPOT ELEVATIONS		EXISTING SHRUB
1000.00 BG 1000.00 FG	PROPOSED SPOT ELEVATIONS (REFERENCE R-WALL DETAIL) BG—FINISHED SURFACE GRADE AT BACK OF WALL FG—FINISHED SURFACE GRADE AT FRONT OF WALL		EXISTING STUMP
1000.00 TC 1000.00 FL	PROPOSED SPOT ELEVATIONS (TOP OF CURB, FLOWLINE OF CURB)		SOIL BORING
1000.00 TW 1000.00 BW	PROPOSED SPOT ELEVATIONS (TOP OF WALK, BOTTOM OF WALK OR FLOWLINE)		EXISTING WELL
•	EXISTING WATER VALVE IN BOX		PROPOSED WELL
•	PROPOSED WATER VALVE IN BOX		PROPOSED LIGHT POLE
•	EXISTING WATER VALVE IN MANHOLE		EXISTING LIGHT POLE
•	EXISTING WATER SERVICE VALVE		EXISTING SIGN
•	EXISTING TELEPHONE MANHOLE		EXISTING SIGN
•	EXISTING STORM CATCH BASIN		CENTER LINE
•	PROPOSED STORM CATCH BASIN – ST CB		EXISTING HANDICAP PARKING STALL
•	PROPOSED STORM FIELD INLET – ST FI		PROPOSED HANDICAP PARKING STALL
•	EXISTING SQUARE CATCH BASIN		EXISTING GAS VALVE
•	EXISTING STORM CURB INLET		EXISTING WOODED AREA
•	PROPOSED STORM CURB INLET – ST CI		EXISTING HEDGE
•	EXISTING UTILITY POLE		EXISTING CHAINLINK FENCE
•	EXISTING UTILITY POLE WITH GUY WIRE		EXISTING WOOD FENCE
•	EXISTING STREET LIGHT		EXISTING BARBED WIRE FENCE
•	EXISTING TELEPHONE PEDESTAL		PROPOSED PROPERTY LINE
•	EXISTING ELECTRIC PEDESTAL		EXISTING GUARD RAIL
•	EXISTING ELECTRIC BOX		EXISTING STORM SEWER AND MANHOLE
•	EXISTING CABLE TV PEDESTAL		PROPOSED STORM SEWER AND MANHOLE – ST MH
•	PROPOSED DRAINAGE FLOW		EXISTING SANITARY SEWER AND MANHOLE
■	1-1/4" REBAR SET WEIGHING 4.30 LB/FT.		PROPOSED SANITARY SEWER AND MANHOLE – SAN MH
●	3/4" REBAR SET WEIGHING 1.50 LB/FT.		EXISTING WATER LINE AND HYDRANT
□	1-1/4" REBAR FOUND		PROPOSED WATER LINE AND HYDRANT
●	3/4" REBAR FOUND		EXISTING OVERHEAD UTILITY LINE
●	2" IRON PIPE FOUND		EXISTING UNDERGROUND FIBER OPTIC LINE
▲	1" IRON PIPE FOUND		EXISTING UNDERGROUND ELECTRIC CABLE
•	EXISTING FLOOD LIGHT		EXISTING UNDERGROUND TELEPHONE CABLE
•	SECTION CORNER		EXISTING UNDERGROUND GAS LINE
•	PROPOSED APRON END SECTION		PROPOSED CURB AND GUTTER
•	EXISTING MARSH AREA		EXISTING CURB AND GUTTER
•	EXISTING DECIDUOUS TREE WITH TRUNK DIAMETER		GRADING/SEEDING LIMITS
•	EROSION MATTING		RIGHT-OF-WAY LINE
•	PROPOSED INLET PROTECTION		INTERIOR PROPERTY LINE
			RAILROAD TRACKS
			EXISTING GROUND CONTOUR

CONSTRUCTION STAKING SERVICES

CONSTRUCTION STAKING SHALL BE COMPLETED BY EXCEL ENGINEERING AS REQUESTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONTRACTOR TO CONTACT RYAN WILGREEN AT 920-926-9800 OR RYAN.WILGREEN@EXCELENGINEER.COM TO GET STAKING PRICE. TO INCLUDE IN BID TO OWNER. PAYMENT OF STAKING COSTS ABOVE AND BEYOND THE BASE PRICE DUE TO RESTAKING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, NOT THE OWNER. CAD DRAWING FILES AND SURVEY CONTROL WILL NOT BE PROVIDED FOR STAKING PURPOSES.

CIVIL SHEET INDEX

SHEET	SHEET TITLE
CD.1	CIVIL COVER AND SPECIFICATION SHEET
C1.0A	EXISTING SITE AND DEMOLITION PLAN WEST
C1.0B	EXISTING SITE AND DEMOLITION PLAN EAST
C1.1	SITE PLAN
C1.2	GRADING AND EROSION CONTROL PLAN
C1.3	UTILITY PLAN
C2.0	DETAILS
C3.1	SITE PHOTOMETRIC PLAN & DETAILS



PROJECT LOCATION MAP

DIVISION 31 EARTH WORK

31 10 00 SITE CLEARING (DEMOLITION)

- CONTRACTOR SHALL CALL DIGGER'S HOT LINE 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.
- CONTRACTOR TO FIELD TELETYPE ALL EXISTING SANITARY AND STORM LATERALS THAT ARE SCHEDULED TO BE RE-USED AND/OR CONNECTED TO ON SITE TIME FOR REMOVAL. THE REMOVAL PROCESS SHALL BE TREATED TO REMOVE SEDIMENT PRIOR TO DISCHARGING OFF-SITE OR TO WATERS OF THE STATE. FOLLOW ALL PROCEDURES FOUND IN TECHNICAL STANDARD 1061.
- 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 NEEDED DURING CONSTRUCTION.
- CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS THAT ARE SCHEDULED TO REMAIN. ANY DAMAGE TO EXISTING FACILITIES SHALL BE REPLACED AT CONTRACTORS EXPENSE.
- ALL CONCRETE NOTED TO BE REMOVED SHALL BE REMOVED TO THE NEAREST CONTROL JOINT.

31 20 00 EARTH MOVING

- CONTRACTOR SHALL CALL DIGGER'S HOT LINE 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.
- 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.
- ALL ORGANIC TOPSOIL INSIDE THE BUILDING AREA, 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 TANDEM AXLE DUMP TRUCK TO MINIMIZE 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 BY THE PLANS OR BY LOCAL ZONING REQUIREMENTS.
- PLACE AND COMPACT FILL MATERIAL IN LAYERS TO REQUIRED ELEVATIONS. UNIFORMLY MOISTEN OR AERATE SUBGRADE AND EACH SUBSEQUENT FILL OR BACKFILL LAYER BEFORE COMPACTATION AS RECOMMENDED TO ACHIEVE SPECIFIED DRY DENSITY. REMOVE AND REPLACE OR SCARP AND AIR DRY OTHERWISE SATISFACTORY SOIL MATERIAL THAT IS TOO WET TO COMPACT TO SPECIFIED DRY DENSITY.
- PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY COMPACTATION EQUIPMENT, AND NOT MORE THAN 4" IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND-OPERATED TAMPERS.
- 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 MATERIALS MAY BE USED FOR BACK FILL. APPLY THE MORE STRINGENT REQUIREMENTS WHEN COMPARING BETWEEN THE FOLLOWING AND THE GEOTECHNICAL REPORT.
 - UNDER FOUNDATIONS - SUBGRADE, AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 98 PERCENT.
 - 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 5% TO 10% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
 - 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 5% FINES, PER THICKNESS INDICATED ON FOUNDATION PLANS ON PREPARED SUBGRADE. COMPACT THE SUBGRADE AND DRAINAGE COURSE TO NOT LESS THAN 95 PERCENT.
 - UNDER EXTERIOR CONCRETE SLAB ON GRADE - COMPACT THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
 - UNDER WALKWAYS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL TO NOT LESS THAN 95 PERCENT.
 - UNDER LAWNS OR UNPAVED AREAS - COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL, TO NOT LESS THAN 85 PERCENT.
- CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS. CONTRACTOR SHALL PROVIDE DOCUMENTATION OF PASSING DENSITY TESTING AND PROOF-ROLLING TO ENGINEER UPON COMPLETION.
- ALLOW THE TESTING AGENCY TO TEST AND INSPECT SUBGRADES AND EACH FILL OR BACKFILL LAYER. PROCEED WITH SUBSEQUENT EARTHWORK ONLY AFTER TEST RESULTS FOR PREVIOUSLY COMPLETED WORK COMPLY WITH REQUIREMENTS. PROVIDE ONE TEST FOR EVERY 2000 SQUARE FEET OF PAVED AREA OR BUILDING SLAB, ONE TEST FOR EACH SPREAD FOOTING, AND ONE TEST FOR EVERY 50 LINEAR FEET OF WALL STRIP FOOTING.
- WHEN THE TESTING AGENCY REPORTS THAT SUBGRADES, FILLS, OR BACKFILLS HAVE NOT ACHIEVED DEGREE OF COMPACTATION SPECIFIED, SCARP AND MOISTEN OR AERATE, OR REMOVE AND REPLACE SOIL TO DEPTH REQUIRED; RECOMPACT AND RETEST UNTIL SPECIFIED COMPACTON IS OBTAINED.
- 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 0.10' OF REQUIRED EARTHWORK ELEVATIONS ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE GRADING PLAN.

31 30 00 EROSION CONTROL/STORMWATER MANAGEMENT

- THE DESIGN ENGINEER SHALL PREPARE A SITE SPECIFIC EROSION CONTROL AND A STORMWATER MANAGEMENT PLAN PURSUANT TO NR 216.46 AND NR 216.47. THE DESIGN ENGINEER SHALL ALSO FILE A CONSTRUCTION NOTICE OF INTENT WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES PURSUANT TO NR 216.45 OR TO AN AUTHORIZED LOCAL ORDINANCE PURSUANT TO NR 216.415 TO OBTAIN COVERAGE UNDER THE GENERAL WOODS STORM WATER PERMIT.
- THE CONTRACTOR SHALL KEEP THE NOTICE OF INTENT PERMIT, APPROVED EROSION CONTROL AND STORMWATER MANAGEMENT PLANS, AND PLAN AMENDMENTS ON THE CONSTRUCTION SITE AT ALL TIMES PURSUANT TO NR 216.455 UNTIL PERMIT COVERAGE IS TERMINATED.
- THE CONTRACTOR SHALL KEEP THE LOCAL EROSION CONTROL PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE MONITORING, MAINTENANCE, AND REPORTING REQUIREMENTS OF NR 216.48. INSPECTIONS OF IMPLEMENTED EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES MUST AT A MINIMUM BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OF 0.10" OR MORE. A PRECIPITATION EVENT MAY BE CONSIDERED TO BE THE TOTAL AMOUNT OF PRECIPITATION RECEIVED IN AN CONTINUOUS 24-HOUR PERIOD. THE CONTRACTOR SHALL REPAIR OR REPLACE EROSION AND SEDIMENT CONTROL AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR AFTER A DEMONSTRATION NOTIFICATION WHERE REPAIR OR REPLACEMENT IS REQUESTED.
- THE CONTRACTOR SHALL MAINTAIN, AT THE CONSTRUCTION SITE OR AVAILABLE VIA AN INTERNET WEBSITE, WEEKLY WEATHER REPORTS OF ALL INSPECTIONS CONDUCTED. WISCONSIN DNR CONSTRUCTION SITE INSPECTION REPORT FORM 3405-BIF SHALL BE USED. WEEKLY INSPECTION REPORTS SHALL INCLUDE ALL OF THE FOLLOWING:
 - THE DATE, TIME, AND LOCATION OF THE CONSTRUCTION SITE INSPECTION.
 - THE NAME OF THE INDIVIDUAL WHO PERFORMED THE INSPECTION.
 - AN ASSESSMENT OF THE CONDITION OF THE EROSION AND SEDIMENT CONTROLS.
 - A DESCRIPTION OF ANY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED.
 - A DESCRIPTION OF THE PRESENT PHASE OF LAND DISTURBING CONSTRUCTION ACTIVITY AT THE CONSTRUCTION SITE.
- EROSION AND SEDIMENT CONTROL, INCLUDING CONSTRUCTION SHALL STRICTLY COMPLY WITH THE GUIDELINES AND REQUIREMENTS SET FORTH IN WISCONSIN ADMINISTRATIVE CODE (WAC) NR 151, THE STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES RUNOFF MANAGEMENT PERFORMANCE STANDARDS. TECHNICAL STANDARDS PUBLISHED BY THE WISCONSIN DNR SHALL ALSO BE UTILIZED TO IMPLEMENT THE REQUIRED PERFORMANCE STANDARDS. THE METHODS AND TYPES OF EROSION CONTROL BE DEPENDANT 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:
 - 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 WISCONSIN DNR TECHNICAL STANDARD 1056 (CURRENT EDITION).
 - 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 WISCONSIN DNR TECHNICAL STANDARD 1060 (CURRENT EDITION).
 - STONE TRAPPING PADS AND TRACKOUT CONTROL PRACTICES SHALL BE PLACED AT ALL CONSTRUCTION SITE ENTRANCES AND SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE CONSTRUCTION SITE. SEE THE EROSION CONTROL PLAN FOR LOCATIONS. THE AGGREGATE USED FOR THE STONE TRAPPING PAD SHALL BE 2" TO 3" INCH CLEAR AND SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. THE STONE SHALL BE UNDERLAY WITH A WIDEST TYPE R GEOTEXTILE FABRIC AS NEEDED. THE TRAPPING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT (12 MIN WIDTH) AND SHALL BE A MINIMUM OF 50 FEET LONG. SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRAPPING PAD. OTHER TRACKOUT CONTROL PRACTICES INCLUDING STABILIZED SURFACES, MANUFACTURED TRACKOUT CONTROL DEVICES, TREE WASHING, AND STREET/PAVEMENT CLEANING SHALL BE IMPLEMENTED AS NECESSARY TO MINIMIZE THE TRACKOUT OF SEDIMENT OFFSITE. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1057 (CURRENT EDITION).
 - STORM DRAIN INLET PROTECTION SHALL BE PROVIDED FOR ALL NEW AND DOWNSTREAM STORM CATCH BASINS AND CURB INLETS. TYPE B OR C PROTECTION SHOULD BE PROVIDED AND SHALL BE IN CONFORMANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1060 (CURRENT EDITION).
 - 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 TACKIFIERS, CHLORIDES, AND BARRIERS. SOME SITES MAY REQUIRE AN APPROACH THAT UTILIZES A COMBINATION OF MEASURES FOR DUST CONTROL. FOLLOW PROCEDURES FOUND IN WISCONSIN DNR TECHNICAL STANDARD 1066 (CURRENT EDITION).
 - 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 WATERS OF THE STATE.
 - CONTRACTOR SHALL PROVIDE AN OPEN AGGREGATE CONCRETE TRUCK WASHOUT AREA ON SITE. CONTRACTOR TO ENSURE THAT CONCRETE WASHOUT SHALL BE CONSTRUCTED AT THIS DESIGNATED AREA AND NOT ALLOWED TO RUN INTO STORM INLETS OR INTO THE OVERLAND STORMWATER DRAINAGE SYSTEM. WASHOUT AREA SHALL BE REMOVED UPON COMPLETION OF CONSTRUCTION.

PLAN SPECIFICATIONS (BASED ON CSI FORMAT)

- 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 PERMANENT 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 GENERAL CONFORMANCE WITH TECHNICAL STANDARDS 1058 AND 1059 AND SHALL MEET THE SPECIFICATIONS FOUND IN THE LANDSCAPING AND SITE STABILIZATION SECTION OF THIS CONSTRUCTION DOCUMENT. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR FINAL STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- IF SITE DRAINAGE IS REQUIRED FOR PROPOSED CONSTRUCTION ACTIVITIES, ALL SEDIMENT LADEN WATER GENERATED DURING THE CONSTRUCTION PROCESS SHALL BE TREATED TO REMOVE SEDIMENT PRIOR TO DISCHARGING OFF-SITE OR TO WATERS OF THE STATE. FOLLOW ALL PROCEDURES FOUND IN TECHNICAL STANDARD 1061.
- 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 DNR TECHNICAL STANDARD 1056 (CURRENT EDITION). FLUSHING SHALL NOT BE ALLOWED.
- EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL THE AREAS SERVED HAVE ESTABLISHED VEGETATIVE COVER.
- 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 WISCONSIN DEPARTMENT OF NATURAL RESOURCES IN ACCORDANCE WITH NR 216.55.
- 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 WPDMS GENERAL PERMIT.
- 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 GRAVEL AREAS

- CONTRACTOR TO PROVIDE COMPACTED GRAVEL WHERE INDICATED ON THE PLANS. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. CONTRACTOR TO PROVIDE AGGREGATE TYPES AND DEPTHS AS INDICATED BELOW.
 - 4" OF 3/4" CRUSHED AGGREGATE
 - 2-1/2" BINDER COURSE (4" MIN)
 - 12" OF 1-1/4" CRUSHED AGGREGATE
- CONTRACTOR TO COMPACT THE AGGREGATE TO AN AVERAGE DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL GRAVEL AREAS SHALL BE GRADED TO WITHIN 0.10' OF DESIGN SURFACE GRADES WITH POSITIVE DRAINAGE BEINGS MAINTAINED IN ACCORDANCE WITH DESIGN PLANS. A MINIMUM OF 1% SLOPE SHALL BE MAINTAINED IN ALL GRAVEL AREAS.

32 10 00 AGGREGATE BASE & ASPHALT PAVEMENT

- CONTRACTOR TO PROVIDE COMPACTED AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT WHERE INDICATED ON THE PLANS. ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. PROVIDE HOT MIX ASPHALT MIXTURE TYPES PER SECTION 460 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. CONTRACTOR SHALL OBTAIN AND REVIEW SOILS REPORT FOR RECOMMENDATIONS FOR GEO-GRADE 7 GEOTEXTILE BELOW CRUSHED AGGREGATE BASES. CONTRACTOR TO PROVIDE AGGREGATE BASE AND HOT MIX ASPHALT PAVEMENT TYPES AND DEPTHS AS INDICATED BELOW.
 - HEAVY ASPHALT PAVING SECTION
1-1/2" SURFACE COURSE (5 1/2% MIN)
2-1/2" BINDER COURSE (4 1/2% MIN)
12" OF 1-1/4" CRUSHED AGGREGATE
- CONTRACTOR TO COMPACT THE AGGREGATE BASE, ASPHALT BINDER COURSE, AND ASPHALT SURFACE COURSE TO AN AVERAGE DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL ASPHALT PAVEMENT AREAS SHALL BE PAVED TO WITHIN 0.05' OF DESIGN SURFACE GRADES WITH POSITIVE DRAINAGE BEINGS MAINTAINED IN ACCORDANCE WITH DESIGN PLANS. A MINIMUM OF 1.5% SLOPE SHALL BE MAINTAINED IN ALL ASPHALT PAVEMENT AREA.
- CONTRACTOR SHALL PROVIDE CONSTRUCTION JOINTS OR SAW CUT JOINTS PLACED AS INDICATED ON THE PLANS.
- CONTRACTOR TO PROVIDE 4" WIDE WHITE PAINTED STRIPING FOR PARKING STALLS, TRAFFIC LANES, AND NO PARKING AREAS. WHITE PAINT MARKINGS SHALL ALSO BE PROVIDED FOR H.C. ACCESSIBLE SYMBOLS, TRAFFIC ARROWS, AND TRAFFIC MESSAGES.

32 20 00 CONCRETE AND AGGREGATE BASE

- CONTRACTOR TO PROVIDE CRUSHED AGGREGATE BASE AND CONCRETE WHERE INDICATED ON THE PLANS.
- ALL AGGREGATE PROVIDED MUST COMPLY WITH SECTION 305 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION. ALL AGGREGATE PROVIDED MUST BE COMPACTED TO AN AVERAGE DENSITY PER WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- DESIGN AND CONSTRUCTION OF ALL CAST-IN-PLACE EXTERIOR CONCRETE FLAT WORK SHALL CONFORM TO ACI 308R-08 & ACI 318-08.
- D. EXTERIOR CONCRETE FLAT WORK CONSTRUCTION TO BE PROVIDED PER MORE STRINGENT REQUIREMENTS OF THE GEOTECHNICAL REPORT OR THIS SPECIFICATION. CONCRETE FLAT WORK CONSTRUCTION IS AS FOLLOWS:
 - HEAVY DUTY CONCRETE (TRUCK TRAFFIC) - 6" OF CONCRETE OVER 6" OF 3/4" CRUSHED AGGREGATE. CONCRETE SHALL BE REINFORCED WITH #3 REBARS ON CHAIRS AT 7" O.C. REBAR SHALL BE PLACED PLACED IN THE UPPER 1/3 TO 1/2 OF THE SLAB. CONSTRUCTION JOINTS SHALL BE SAWCUT 1/2" IN DEPTH AND BE SPACED A MAXIMUM OF 15' ON CENTER.
 - DESIGN MIDS SHALL BE IN ACCORDANCE WITH ASTM C94
 - STRENGTH TO BE MINIMUM OF 4,500 PSI AT 28 DAYS FOR EXTERIOR CONCRETE.
 - MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45.
 - SUMP SHALL NOT EXCEED 4" FOR EXTERIOR CONCRETE FLAT WORK.
 - SUMP SHALL BE 2-5" OR LESS FOR SUB-FLOORED CURB AND GUTTER.
 - SUMP SHALL BE BETWEEN 1.5" TO 3" FOR NON SUB-FLOORED CURB AND GUTTER.
- ALL EXTERIOR CONCRETE SHALL BE OBTAINED WITH 4% TO 7% AIR CONTENT. NO OTHER ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF EXCEL ENGINEERING, INC. CALCIUM CHLORIDE SHALL NOT BE USED.
- MAXIMUM AGGREGATE SIZE FOR ALL EXTERIOR CONCRETE SHALL BE 0.75 INCHES.
- VEHICLE EQUIPMENT CONCRETE PAD SIZES WITH CONTRACTOR REQUIRED PAVING. PADS SHALL HAVE FIBERESH# 300 FIBERS AT A RATE OF 1.5 LBS/CY, 10' OR 6' X 6' W/4' X 4' W/4' WELDED WIRE MESH WITH MINIMUM 1 INCH COVER. EQUIPMENT PADS SHALL BE 5.5 INCHES THICK WITH 1 INCH CHAIRS UNLESS SPECIFIED OTHERWISE. COORDINATE ADDITIONAL PAD REQUIREMENTS WITH RESPECTIVE CONTRACTOR.
- ALL CONCRETE FLAT WORK SURFACES AND CONCRETE CURB FLOWLINES SHALL BE CONSTRUCTED TO WITHIN 0.05' OF DESIGN SURFACE AND FLOWLINE GRADES ASSUMING POSITIVE DRAINAGE IS MAINTAINED IN ACCORDANCE WITH THE DESIGN PLANS.
- CONCRETE FLAT WORK SHALL HAVE CONSTRUCTION JOINTS OR SAW CUT JOINTS PLACED AS INDICATED ON THE PLANS.
- H. CONCRETE FLAT WORK SHALL BE BORN AS SOON AS POSSIBLE, BUT NO LATER THAN 24 HOURS AFTER CONCRETE IS PLACED. CONCRETE CURB AND GUTTER JOINTING SHALL BE PLACED EVERY 10' OR CLOSER IF NEEDED. IF CONCRETE PAVEMENT IS ADJACENT TO CONCRETE CURB, JOINTING IN THE PAVEMENT SHALL BE PLACED AT THE CURB JOINTS. ALL EXTERIOR CONCRETE SHALL BE FINISHED TO BUILDING FOUNDATION AND UP 6" ABOVE SURFACE GRADE FOR CONNECTION TO DOWNSPOUT. ALL DOWNSPOUT LOCATIONS SHALL BE VERIFIED WITH ARCHITECTURAL PLANS AND DOWNPOUT CONTRACTORS' CONSTRUCTION. DOWNPOUT LEADS SHALL NOT UNDERMINE BUILDING FOUNDATIONS. SITE UTILITY CONTRACTOR SHALL RUN WATER SERVICE TO A POINT WITHIN THE FOUNDATION SPECIFIED BY THE PLUMBING PLANS. CONTRACTOR TO CUT AND CAP WATER SERVICE 12" ABOVE FINISHED FLOOR ELEVATION.
- ALL UTILITIES SHALL BE INSTALLED WITH PLASTIC COATED TRACKER WIRE (10 TO 14 GAUGE SOLID COPPER, OR COPPER COATED STEEL WIRE). PLASTIC WIRE MAY BE TAPED TO PLASTIC WATER OR SEWER PIPE. IF ATTACHED, THE TRACKER WIRE SHALL BE SECURED EVERY 6 TO 30 FEET AND AT ALL BENDS. TRACKER WIRE SHALL HAVE ACCESS POINTS AT LEAST EVERY 300 FEET. TRACKER WIRE SHALL TERMINATE IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AT GRADE OR AT LOCAL STATUTORY REQUIREMENTS.
- ALL UTILITIES SHALL BE INSTALLED PER STATE, LOCAL, AND INDUSTRY STANDARDS. WATER, SANITARY, AND STORM SEWER SHALL BE INSTALLED PER STANDARD SPECIFICATION FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN. THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING STATE PLUMBING REVIEW APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL OTHER PERMITS REQUIRED TO INSTALL WATER, SANITARY AND STORM SEWER.
- SEE PLANS FOR ALL OTHER UTILITY SPECIFICATIONS AND DETAILS.

GENERAL PROJECT NOTES

- ALL DRIVEWAYS AND CURB CUTS TO BE CONSTRUCTED ACCORDING TO LOCAL ORDINANCES. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WORK IN ROW PERMITS.

Table A: Allowable Pipe Material Schedule

Utility	Pipe Code	Material	Fitting Code	Joint Code
Sanitary Sewer	SDR 35 PVC	ASTM D1785, ASTM D2065, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Gasket: ASTM F477
Storm Sewer	HDPE	ASTM F2668, ASTM F2306, AASHTO M252, or AASHTO M294	ASTM F2668, ASTM F2306, AASHTO M252, or AASHTO M294	Joint: ASTM F2648, ASTM F2306, AASHTO M252, or AASHTO M294
Storm Sewer	SDR 35 PVC	ASTM D1785, ASTM D2065, ASTM D3034, ASTM F891	ASTM F1336	Push On: ASTM D3212 for Tightness Elastomeric Seal: ASTM F477
Water Lateral	C901/906 PE	AWWA C901/C906	ASTM D2659, ASTM D2683, ASTM D261	Heat Fusion: ASTM D2657
Combined Domestic/Fire Service	C300 PVC	AWWA C300, ASTM D1785, ASTM D2241	AWWA C110, AWWA C153, ASTM D2464, ASTM D2466, ASTM D2467, ASTM D3311, ASTM F409, ASTM F1336, ASTM F1866	Joint: ASTM D3139 Integral Bell & Spigot Elastomeric Seal: ASTM F477

32 30 00 LANDSCAPING AND SITE STABILIZATION

- 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. EXCAVATION SHALL BE RESPONSIBLE FOR ROUGH PLACEMENT OF TOPSOIL TO WITHIN 1" OF FINAL GRADE PRIOR TO LANDSCAPER FINAL GRADING. LANDSCAPER TO PROVIDE MULCH/SEEDING AND FINAL GRADING OF TOPSOIL. PROVIDE SOIL ANALYSIS BY A QUALIFIED SOIL TESTING LABORATORY AS REQUIRED TO VERIFY THE SUSTAINABILITY OF SOIL TO BE USED AS TOPSOIL AND TO DETERMINE THE NECESSARY SOIL AMENDMENTS. TEST SOIL FOR PRESENCE OF ATTRAHENT AND INFORM EXCEL ENGINEERING, INC. IF PRESENT PRIOR TO REDDING/PRELAYS. TOPSOIL SHALL HAVE A PH RATIO OF 5.5 TO 6.0. CONCENTRATION OF PERCENT ORGANIC MATERIAL, CUMULATIVE, SHALL BE FREE OF STONES 1 INCH OR LARGER IN DIAMETER. ALL MATERIALS HARMFUL TO PLANT GROWTH SHALL ALSO BE REMOVED.
- SEEDING/LAWNS:
 - PERMANENT LAWN AREAS SHALL BE SEEDDED WITH THE FOLLOWING MIXTURE: 65% KENTUCKY BLUEGRASS BLEND (2-24.6 LBS./1,000 S.F.), 15% PERENNIAL RYEGRASS (0.6-0.8 LBS./1,000 S.F.), 15% FINE FESCUE (0.4-0.6 LBS./1,000 S.F.), STRAW AND MULCH SHALL BE Laid AT 100 LBS./1,000 S.F. FERTILIZE AS FOLLOWS: 5-10-10 OR EQUIVALENT AT 5-6 LBS./1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. ALL SITE DISTURBED AREAS NOT DESIGNATED FOR OTHER LANDSCAPING AND SITE STABILIZATION MEASURES SHALL BE SEEDDED AS PERMANENT LAWN. NO BARE TOPSOIL SHALL BE LEFT ON SITE. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
 - ALL PERMANENT AND TEMPORARY STORM WATER CONVEYANCE SHADE BOTTOMS AND SIDE SLOPES AS WELL AS STORMWATER MANAGEMENT BASIN BOTTOMS AND SIDE SLOPES SHALL BE SEEDDED WITH THE FOLLOWING MIXTURE: 45% KENTUCKY BLUEGRASS (0.60 LBS./1,000 S.F.), 40% CREeping RED FESCUE (0.40 LBS./1,000 S.F.), AND 15% PERENNIAL RYEGRASS (0.20 LBS./1,000 S.F.). FERTILIZE AS FOLLOWS: 5-10-10 OR EQUIVALENT AT 5-6 LBS./1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
- ALL TEMPORARY SEEDING SHALL CONSIST OF THE FOLLOWING MIXTURE: 100% RYEGRASS AT 1.9 LBS./1,000 S.F. STRAW AND MULCH SHALL BE Laid AT 100 LBS./1,000 S.F. FERTILIZE AS FOLLOWS: 5-10-10 OR EQUIVALENT AT 5-6 LBS./1,000 S.F. OR APPLY 5-10-10 OR EQUIVALENT AT 5-6 LBS./1,000 S.F. SEE EROSION MATTING SPECIFICATIONS AS REQUIRED. FOLLOW PROCEDURES FOUND IN WDNR TECHNICAL STANDARDS 1058 & 1059.
- SEEDING/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, CLOSE STANDS OF GRASS SHOULD BE ESTABLISHED FREE OF WEEDS AND SURFACE IRREGULARITIES. LAWN COVERAGE SHOULD EXCEED 90% AND BARE SPOTS SHOULD NOT EXCEED 5". CONTRACTOR SHOULD RESEAL/REPAIR LAWNS THAT DO NOT COMPLY WITH THESE REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.
- EROSION MATTING:
 - CONTRACTOR TO PROVIDE EROSION CONTROL MATTING (NORTH AMERICAN GREEN S150) OR EQUIVALENT ON ALL SLOPES THAT ARE 4:1 AND GREATER OUTSIDE OF STORMWATER CONVEYANCE AREAS AND STORMWATER MANAGEMENT BASINS. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
 - CONTRACTOR TO PROVIDE EROSION MATTING (NORTH AMERICAN GREEN C125) OR EQUIVALENT IN ALL SWALE BOTTOMS AND SIDE SLOPES AS WELL AS STORMWATER MANAGEMENT BASIN BOTTOMS AND SIDE SLOPES AS REQUIRED. LAWN SEED SHALL BE PLACED BELOW MATTING IN ACCORDANCE WITH SEEDING REQUIREMENTS AND MANUFACTURER SPECIFICATIONS.
- RIP RAP: ALL RIP RAP ASSOCIATED WITH STORMWATER MANAGEMENT AND STORMWATER CONVEYANCE AS DELINEATED ON THE PLANS, SHALL BE CONSTRUCTED WITH THE TOP OF RIP RAP MATCHING THE PROPOSED ADJACENT GRADE ELEVATIONS. PLACEMENT OF RIP RAP ABOVE THE PROPOSED ADJACENT GRADE ELEVATIONS IS NOT ACCEPTABLE. ALL RIP RAP SHALL BE PLACED ON THE TYPE III H-19 FILL. PER SECTION 445 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURAL CONSTRUCTION.

DIVISION 33 UTILITIES

33 10 00 SITE UTILITIES

- CONTRACTOR TO FIELD VERIFY ALL EXISTING UNDERGROUND UTILITIES ON SITE. CONTRACTOR TO VERIFY PIPE LOCATIONS, SIZES, AND DEPTHS AT POINT OF PROPOSED CONNECTIONS AND VERIFY PROPOSED UTILITY ROUTES ARE CLEAR (PER CODE) OF ALL EXISTING UTILITIES AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION. COSTS INCURRED FOR FAILURE TO DO SO SHALL BE THE CONTRACTORS RESPONSIBILITY.
- CONTRACTOR TO FIELD TELETYPE ALL EXISTING SANITARY AND STORM LATERALS THAT ARE SCHEDULED TO BE RE-USED AND/OR CONNECTED TO ON SITE. THE TELETYPE SHALL BE COMPLETED TO ENSURE THE EXISTING LATERALS ARE FREE OF OBSTRUCTIONS AND IN SOUND STRUCTURAL CONDITION. TELETYPE OF THESE LATERALS SHOULD BE COMPLETED AT BEGINNING OF CONSTRUCTION AND DESIGN ENGINEER SHALL BE NOTIFIED OF ANY PIPE OBSTRUCTIONS AND/OR STRUCTURAL DEFICIENCIES IMMEDIATELY AFTER COMPLETION OF FIELD TELETYPE.
- ALL PROPOSED SANITARY PIPE SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE ON C0.1 OF THE PROPOSED PLANSET. ALL PROPOSED SANITARY PIPE BELOW PROPOSED & FUTURE BUILDINGS SHALL BE IN ACCORDANCE WITH MATERIALS SPECIFIED IN TABLE A: ALLOWABLE PIPE MATERIAL SCHEDULE ON C0.1 OF THE PROPOSED PLANSET.
- SANITARY AND PROCESS MANHOLES SHALL BE 48" PRECAST AND CONFORM TO THE STANDARD SPECIFICATIONS FOR SEWER & WATER ALL UTILITIES IN WISCONSIN CURRENT EDITION UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PROCESS MANHOLES SHALL BE LINED WITH GUE STUDLINER LINING. SANITARY & PROCESS MANHOLE FRAME AND GRATE TO BE NENAH R-1550-A OR EQUAL. RIM ELEVATION TO BE SET AT FINISHED GRADE IN DEVELOPED AREAS AND 12" ABOVE FINISHED GRADE IN UNDEVELOPED AREAS EXCEPT AS OTHERWISE DIRECTED BY THE ENGINEER.
- CLEANOUTS SHALL BE PROVIDED FOR THE SANITARY SERVICE AT LOCATIONS INDICATED ON THE UTILITY PLAN. THE CLEANOUT SHALL CONSIST OF A COMBINATION WYE FITTING IN LINE WITH THE SANITARY SERVICE WITH THE CLEANOUT LEG OF THE COMBINATION WYE FACING STRAIGHT UP. THE CLEANOUT SHALL CONSIST OF A 4" OR 6" (IF REQUIRED FOR THE 6" LINE) VERTICAL PVC PIPE WITH A WATER TIGHT REMOVABLE CLEANOUT PLUG. AN 8" PVC FROST SLEEVE SHALL BE PROVIDED. THE BOTTOM OF THE FROST SLEEVE SHALL TERMINATE 12" ABOVE THE TOP OF THE SANITARY LATERAL OR AT LEAST 6" BELOW THE PREDICTED FROST DEPTH, WHICHEVER IS SHALLOWER. THE CLEAN

SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN
SPECIFICATIONS AND REQUIREMENTS



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PROJECT INFORMATION

PROPOSED BUILDING ADDITION TO:
KUNES FOX VALLEY RV
26915 WEST AMERICAN DRIVE • TOWN OF CLAYTON, WI

PROFESSIONAL SEAL

PRELIMINARY DATES

NOV. 3, 2023
NOV. 6, 2023
NOV. 10, 2023
NOV. 16, 2023
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JAN. 5, 2024
JAN. 12, 2024

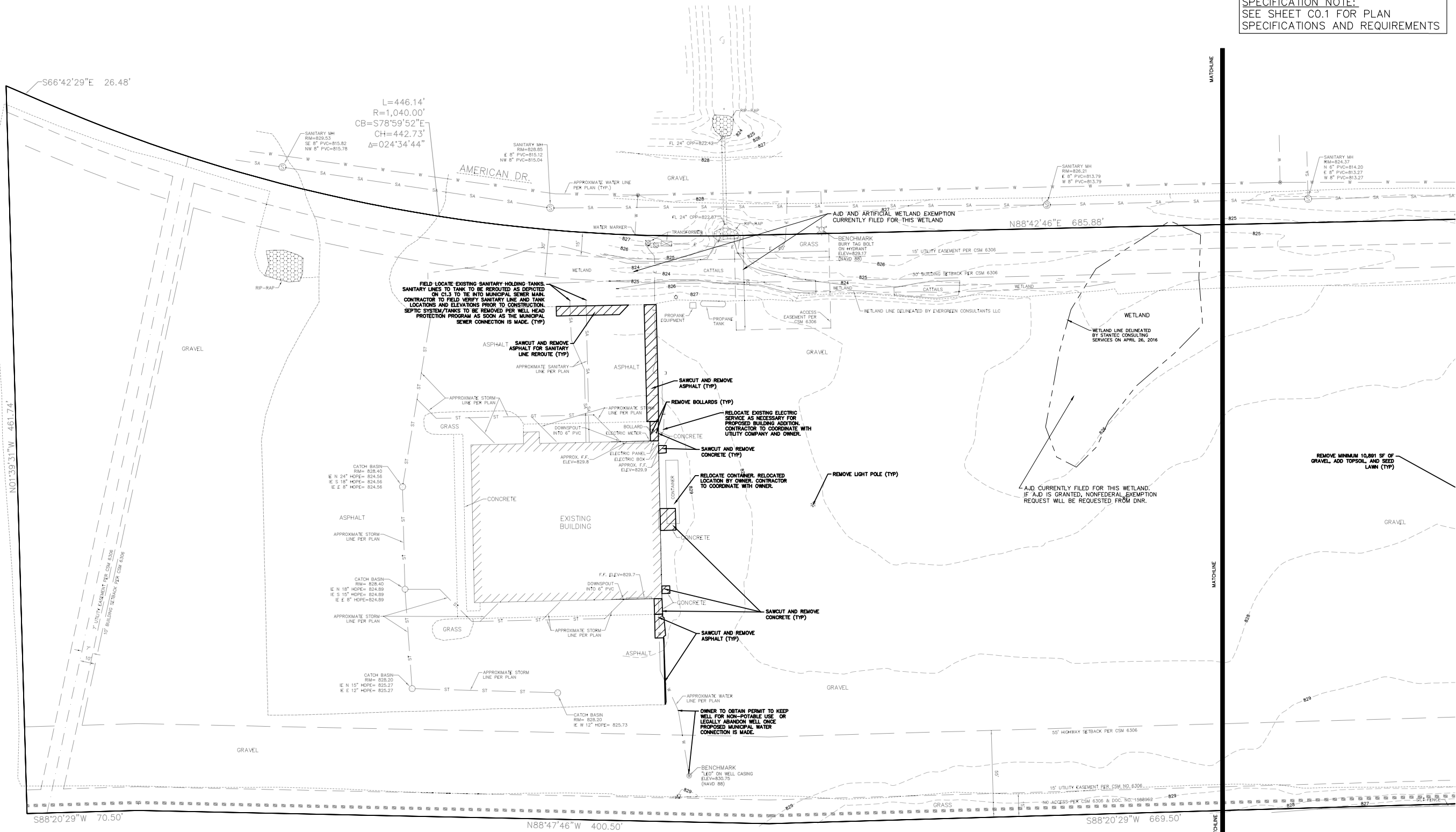
JOB NUMBER

230322300

SHEET NUMBER

C1.0A

NOT FOR CONSTRUCTION



NOTE:
PROPERTY LINES AND EASEMENTS SHOWN ON THIS SURVEY WERE
DRAFTED FROM INFORMATION CONTAINED IN TITLE COMMITMENT
FILE NO. 2241862, BY KNIGHT BARRY TITLE GROUP, DATED
OCTOBER 23, 2023. AN UPDATED PLAT OF SURVEY, CERTIFIED
SURVEY MAP OR ALTA SURVEY HAS NOT BEEN AUTHORIZED.

NOTE:
SURFACE INDICATIONS OF UTILITIES ALONG WITH DIGGER'S HOTLINE MARKINGS
PER TICKET NO. 20233917621 HAVE BEEN SHOWN. SIZES AND ELEVATION OF
UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS
OF VISIBLE STRUCTURES IN COMBINATION WITH AVAILABLE DATA PROVIDED TO
EXCEL ENGINEERING. EXCEL ENGINEERING MAKES NO GUARANTEE THAT ALL THE
EXISTING UTILITIES IN THE SURVEYED AREA HAVE BEEN SHOWN NOR THAT THEY
ARE IN THE EXACT LOCATION INDICATED. CONTRACTOR SHALL BE RESPONSIBLE
FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



CIVIL EXISTING SITE AND DEMOLITION PLAN WEST

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 Fond du Lac, WI 54935
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PROJECT INFORMATION

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226915 WEST AMERICAN DRIVE • TOWN OF CLAYTON, WI

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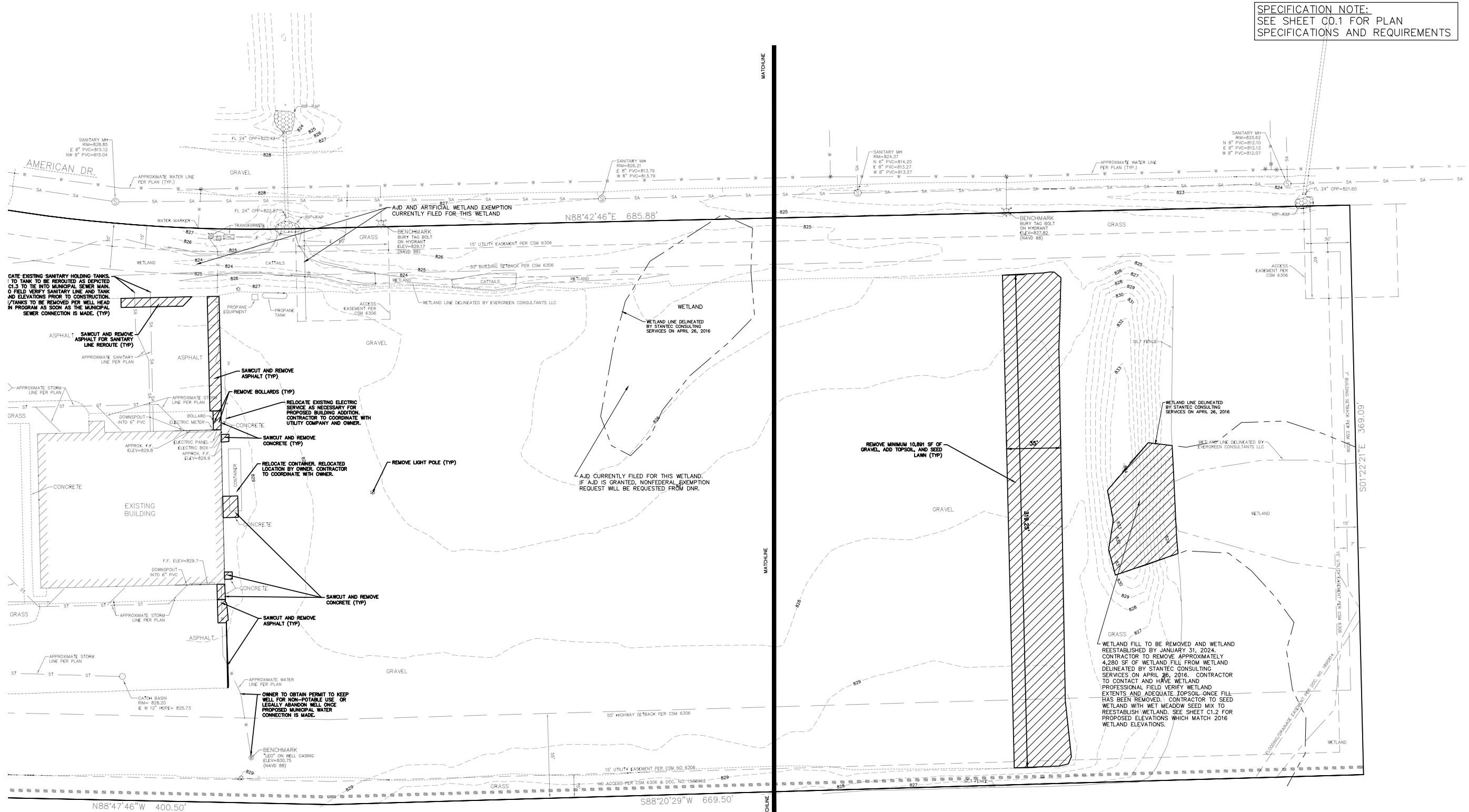
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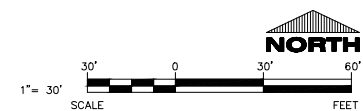
SHEET NUMBER

C1.0B



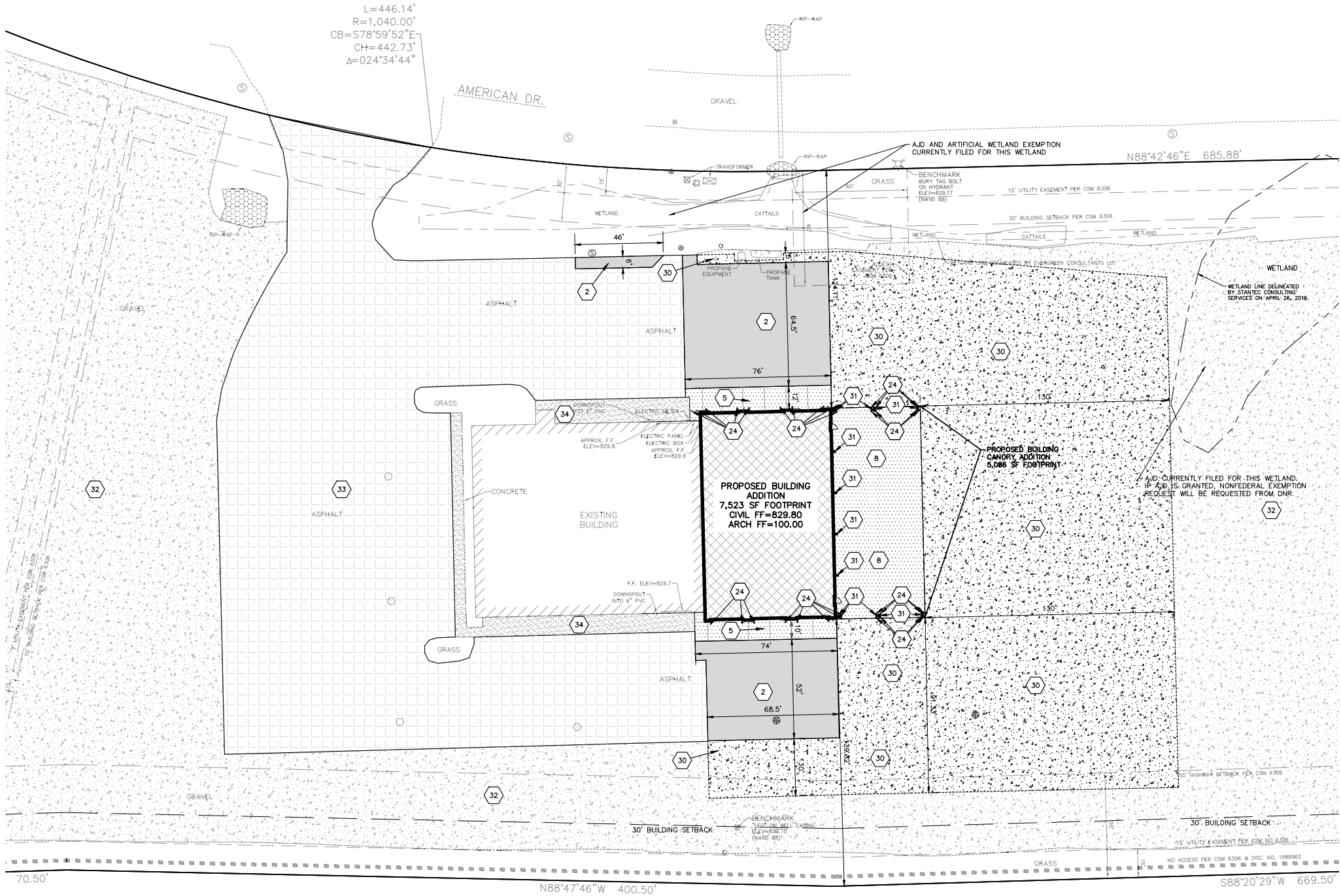
NOTE: PROPERTY LINES AND EASEMENTS SHOWN ON THIS SURVEY WERE DRAFTED FROM INFORMATION CONTAINED IN TITLE COMMITMENT FILE NO. 2241862, BY KNIGHT BARRY TITLE GROUP, DATED OCTOBER 23, 2023. AN UPDATED PLAT OF SURVEY, CERTIFIED SURVEY MAP OR ALTA SURVEY HAS NOT BEEN AUTHORIZED.

NOTE: SURFACE INDICATIONS OF UTILITIES ALONG WITH DIGGER'S HOTLINE MARKINGS PER TICKET NO. 20233917621 HAVE BEEN SHOWN. SIZES AND ELEVATION OF UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS OF VISIBLE STRUCTURES IN COMBINATION WITH AVAILABLE DATA PROVIDED TO EXCEL ENGINEERING. EXCEL ENGINEERING MAKES NO GUARANTEE, THAT ALL THE EXISTING UTILITIES IN THE SURVEYED AREA HAVE BEEN SHOWN, NOR THAT THEY ARE IN THE EXACT LOCATION INDICATED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



CIVIL EXISTING SITE AND DEMOLITION PLAN EAST

E 26.48'



SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN
SPECIFICATIONS AND REQUIREMENTS

SITE INFORMATION:

PROPERTY AREA: 435,612 S.F. (10.00 ACRES).

EXISTING ZONING: B-3 GENERAL BUSINESS

PROPOSED ZONING: B-3 GENERAL BUSINESS

PROPOSED USE: KUNES RV FACILITY WITH BUILDING & PAVEMENT ADDITION

AREA OF SITE DISTURBANCE: 107,000 SF (2.46 ACRES)

SETBACKS: BUILDING: FRONT = 30'
SIDE = 7' (ONE SIDE) AND 10' (OTHER SIDE)
REAR = 25'
STREET = 30'

PAVEMENT: FRONT = N/A
SIDE = N/A
REAR = N/A

PROPOSED BUILDING HEIGHT: 22'-6" (MAX. HEIGHT ALLOWED: 45')

PARKING REQUIRED: 1 SPACE PER 300 S.F. OF GFA (65 SPACES REQ.)

PARKING PROVIDED: 12 SPACES (1 H.C. ACCESSIBLE) *NUMBER OF STALLS PROVIDED PREVIOUSLY APPROVED WITH ORIGINAL BUILDING PROJECT.

HANDICAP STALLS REQUIRED: 1, HANDICAP STALLS PROVIDED: 1

LANDSCAPE REQUIREMENTS: MIN. LANDSCAPE SURFACE RATIO: 30%

MAXIMUM IMPERVIOUS SURFACE: 70%

EXISTING SITE DATA

	AREA (AC)	AREA (SF)	RATIO
PROJECT SITE	10.00	435,612	
BUILDING FLOOR AREA	0.27	11,975	2.7%
PAVEMENT (ASP, CONC, GRAVEL)	6.98	303,869	69.8%
TOTAL IMPERVIOUS	7.25	315,844	72.5%
LANDSCAPE/ OPEN SPACE	2.75	119,768	27.5%

PROPOSED SITE DATA

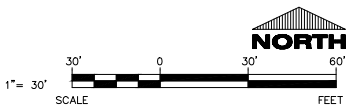
	AREA (AC)	AREA (SF)	RATIO
PROJECT SITE	10.00	435,612	
BUILDING FLOOR AREA (INCLUDES PROPOSED CANOPY)	0.56	24,583	5.6%
PAVEMENT (ASP, CONC, GRAVEL)	6.44	280,370	64.4%
TOTAL IMPERVIOUS	7.00	304,953	70.0%
LANDSCAPE/ OPEN SPACE	3.00	130,659	30.0%

SITE PLAN KEYNOTES

2	HEAVY DUTY ASPHALT SECTION (TYP.)
5	HEAVY DUTY CONCRETE (TYP.)
8	CONCRETE UNDER CANOPY. SEE STRUCTURAL PLANS FOR DETAILS.
24	6" CONCRETE BOLLARDS (SEE DETAIL ON ARCH. PLAN)
30	GRAVEL AREA. ADD/REMOVE GRAVEL FOR GRADING PURPOSES. SEE C1.2. CONTRACTOR TO ENSURE A MINIMUM OF 12" OF GRAVEL WILL EXIST ONCE ELEVATION MODIFICATIONS ARE COMPLETE (TYP.)
31	CANOPY SUPPORT COLUMN (SEE ARCH PLANS FOR DETAILS)
32	EXISTING GRAVEL TO REMAIN.
33	EXISTING ASPHALT TO REMAIN.
34	EXISTING CONCRETE TO REMAIN.

PAVEMENT HATCH KEY:

	HEAVY ASPHALT
	HEAVY DUTY CONCRETE
	GRADED GRAVEL
	EXISTING GRAVEL TO REMAIN
	EXISTING ASPHALT TO REMAIN
	EXISTING CONCRETE TO REMAIN



CIVIL SITE PLAN



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JOB NUMBER

230322300

SHEET NUMBER

C1.1

NOT FOR CONSTRUCTION

CONCRETE WASHOUT NOTE:

CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.

INLET PROTECTION NOTE:

CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

STABILIZED CONSTRUCTION ENTRANCE NOTE:

CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.

SPECIFICATION NOTE:

SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

NOTES:

- HANDICAP STALL AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1.50% IN ANY DIRECTION. HANDICAP STALL & ACCESS AISLES SHALL CONFORM TO ADA REQUIREMENTS (CURRENT EDITION)
- ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.



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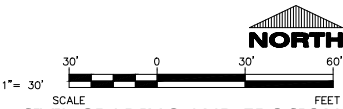
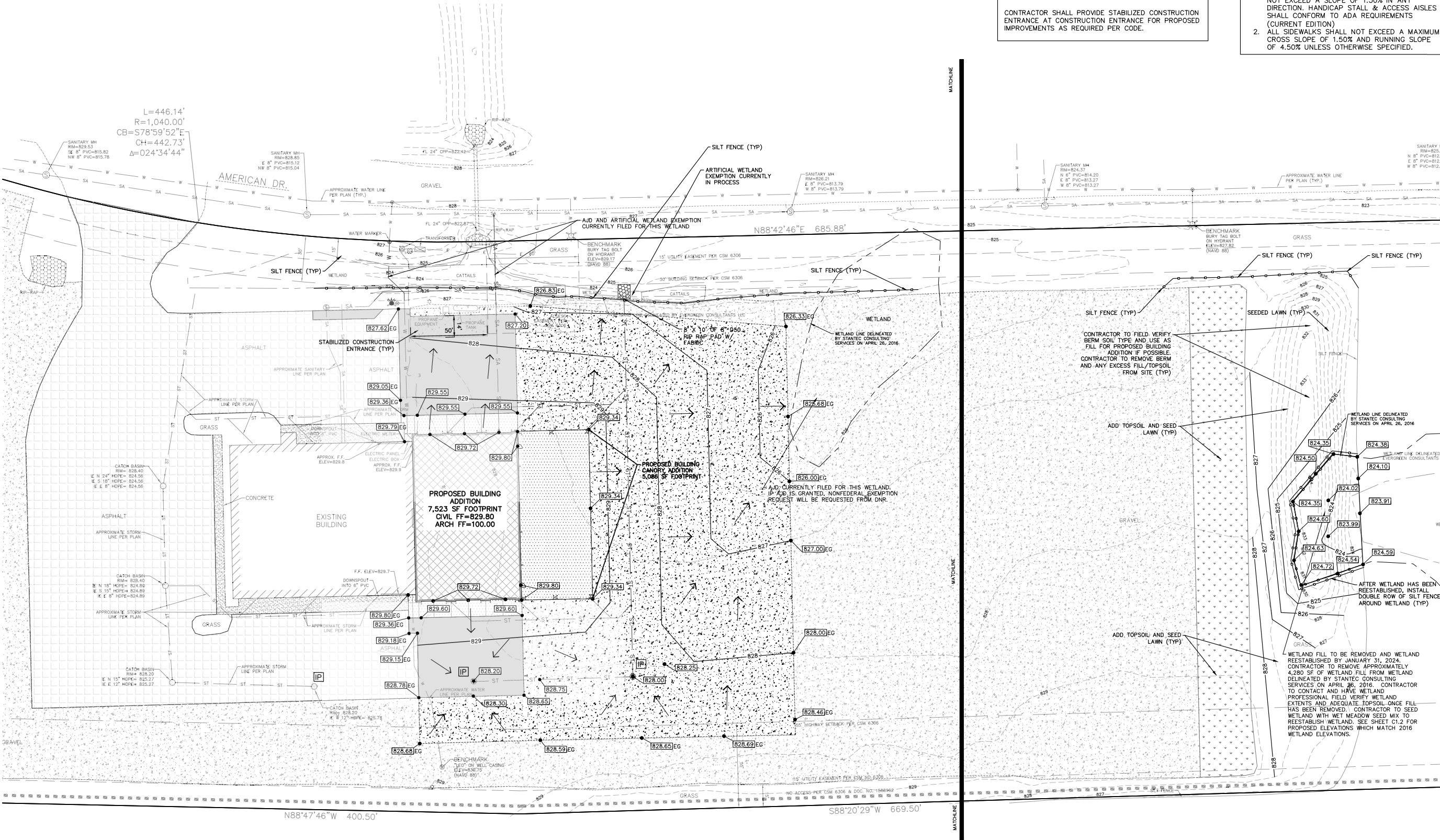
JOB NUMBER

230322300

SHEET NUMBER

C1.2

NOT FOR CONSTRUCTION



CIVIL GRADING AND EROSION CONTROL PLAN

[illegible]

DOWNSPOUT NOTE:

DS = DENOTES DOWNSPOUT TO STORM PIPE CONNECTION LOCATIONS. SEE ARCH PLANS FOR FINAL LOCATIONS.

CLEANOUT NOTE:

CO = DENOTES LOCATIONS WHERE CONTRACTOR SHALL INSTALL CLEANOUTS, SEE CO.1 FOR SPECIFICATION.

[illegible]

230322300

C1.3



[illegible]

1. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

1. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.



1000
TECHNICAL STANDARD No.
12/2021
REVISION DATE
NOT TO SCALE

NO SCALE

INSTALL IN ACCORDANCE WITH MI
DNR TECHNICAL STANDARD 1057
(CURRENT EDITION)

3/8" TO 3" STONE
12" MINIMUM THICKNESS

EXISTING STABILIZED
SURFACE

GEO-TEXTILE FABRIC
LINER AS NEEDED

NOTE:
TRACKING MATS SHOULD BE INSPECTED DAILY.
DEFICIENT AREAS SHALL BE REPAIRED OR
REPLACED IMMEDIATELY.

SECTION A-A

TRACKING PAD

10' MIN.

5' MIN.

EXISTING PAVED STREET

5' MIN.

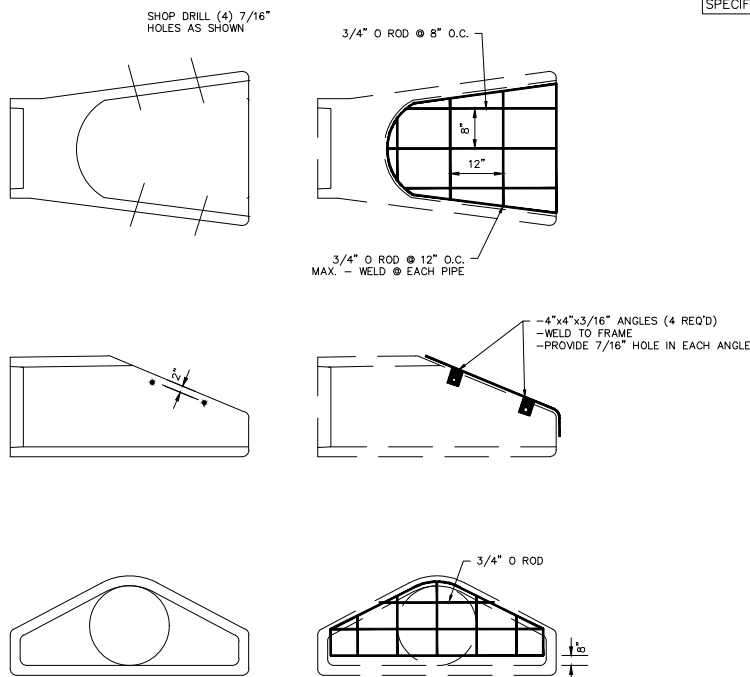
12' MIN.

TRACKING PAD SHALL BE FULL
WIDTH OF THE EGRESS POINT

50' MIN.

PLAN

NO SCALE



SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN
SPECIFICATIONS AND REQUIREMENTS

- THE CONTRACTOR SHALL BOLT THE GRATE TO THE CONCRETE END WALL WITH FOUR 3/8" x 6" MACHINE BOLTS WITH NUTS ON INSIDE WALL.
- APPLICABLE FOR PIPE SIZES 18" AND GREATER.

PAINING SPECIFICATIONS

THE PIPE GRATE SHALL RECEIVE THE FOLLOWING PREPARATION & PAINTING, SEE NOTES:

FIRST COAT- RUST-OLEUM X-60 RED BARE METAL PRIMER OR EQUAL

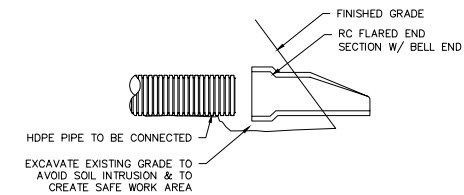
SECOND COAT- RUST-OLEUM 960 ZINC CHROMATE PRIMER OR EQUAL

THIRD COAT- RUST-OLEUM 1282 HIGH GLOSS & METALLIC FINISH OR EQUAL.

NOTES:

- BARE SURFACES – AFTER THROUGH SCRAPING, WIRE BRUSHING & CLEANING, APPLY THE THREE COAT SYSTEM LISTED.
- EACH COAT AN OVERALL COAT
- ALLOW 24-48 HOURS DRYING TIME BETWEEN COATS.

NO SCALE



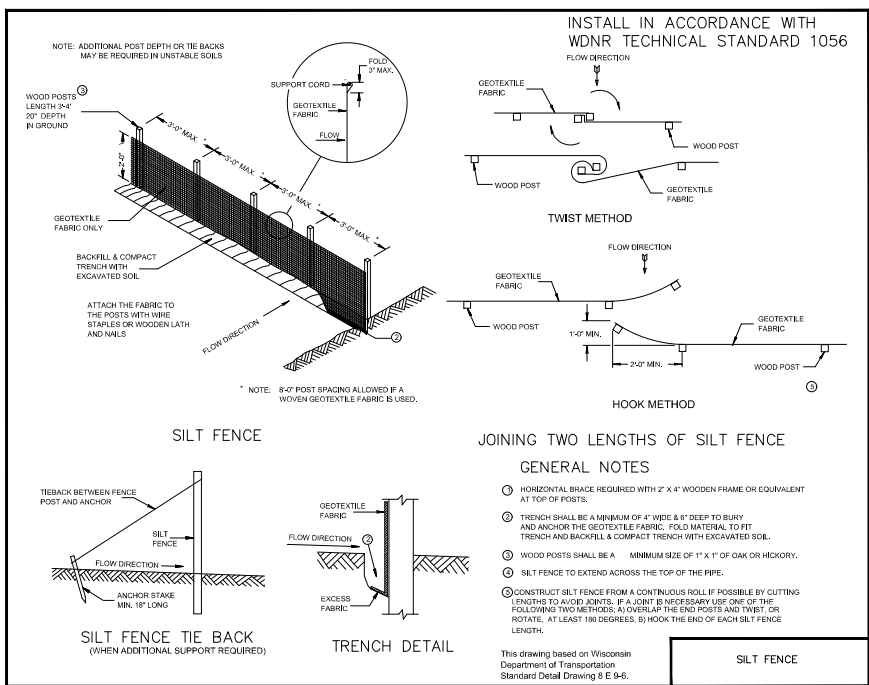
NOTES:

1. CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321.
2. HDPE PIPE SYSTEMS CAN BE CONNECTED TO RC FLARED END SECTIONS USING THIS METHOD. CHANGE OF MATERIAL IN A PIPE RUN IS NOT ALLOWED. MATERIAL CHANGES ARE ONLY ALLOWED ONLY AT MANHOLES OR INLET STRUCTURES.
3. HDPE FLARED END SECTIONS ARE NOT ALLOWED.
4. NONWOVEN GEOTEXTILE FABRIC SHALL MEET LOCAL AND STATE REQUIREMENTS.



NO SCALE

NO SCALE



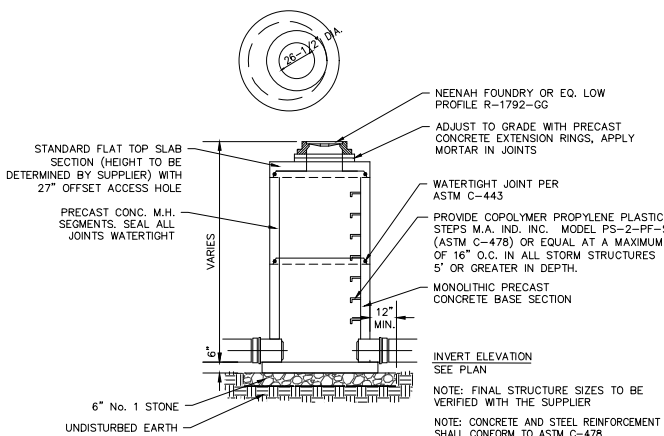
NO SCALE

GENERAL NOTES

HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT
 AT TOP OF POSTS.
 TRENCH SHALL BE A MINIMUM OF 4' WIDE & 8" DEEP TO BURY
 AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT
 TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
 WOOD POSTS SHALL BE A MINIMUM SIZE OF 1" X 1" OF OAK OR HICKORY.
 SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

This drawing based on Wisconsin
Department of Transportation
Standard Detail Drawing 8 E 9-6.

NO SCALE



CONSTRUCTION SEQUENCE	
PHASE	TYPE OF ACTION
1. PRE-CONSTRUCTION ACTION	1. CONTRACTOR TO CALL DIGGERS HOTLINE AT A MINIMUM OF 3 DAYS PRIOR TO CONSTRUCTION.
	2. CONTRACTOR TO MAKE SURE THE REGIONAL STORMWATER POND IS IN PLACE BEFORE CONSTRUCTION CAN BEGIN.
	3. PLACE ALL SILT FENCE.
	4. CONSTRUCT TRACKING STONE ENTRANCES AND ANY TEMPORARY CONSTRUCTION ROADWAYS AS NEEDED.
	5. CONSTRUCT PERMANENT STORMWATER CONVEYANCE SYSTEMS.
	6. CONSTRUCT TEMPORARY SEDIMENT TRAPS, SEDIMENT BASINS, AND ANY TEMPORARY STORMWATER CONVEYANCE SYSTEMS AS NEEDED.
	7. STABILIZE ALL TEMPORARY AND PERMANENT EROSION CONTROL AND STORMWATER CONVEYANCE SYSTEMS BEFORE TOPSOIL CAN BE STRIPPED.
2. CONSTRUCTION ACTION	1. SITE DEMOLITION AS REQUIRED.
	2. STRIP AND RELOCATE TOPSOIL TO THE DESIGNATED TOPSOIL STOCKPILE. FINAL LOCATION BY CONTRACTOR (VERIFY W/ OWNER). PROVIDE PERIMETER SILT FENCE UNTIL STABILIZED.
	3. BEGIN MASS EARTH WORK FOR THE BUILDING PAD AND PAVEMENT AREAS.
	4. CONSTRUCT ANY REMAINING STORMWATER CONVEYANCE SYSTEMS, AND INSTALL ALL OTHER UTILITIES ON SITE.
	5. DIG AND POUR ALL BUILDING FOOTINGS.
	6. PLACE GRAVEL FOR ALL PROPOSED PAVEMENT AREAS.
	7. TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS OUTSIDE THE BUILDING AND PROPOSED PAVEMENT AREAS.
	8. CONSTRUCT BUILDING.
	9. PAVE DRIVEWAYS AND PARKING AREAS.
	10. TOPSOIL, SEED, AND MULCH ALL OTHER DISTURBED AREAS. PLACE EROSION MATTING AND RIP RAP.
	11. ONCE SITE IS STABILIZED, CONSTRUCT INFILTRATION BASIN.
3. POST CONSTRUCTION ACTION	1. CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES UPON SITE STABILIZATION.
	2. SEE THE POST CONSTRUCTION MAINTENANCE PLAN FOR PERMANENT STORMWATER MANAGEMENT SYSTEMS.

****CONTRACTOR TO FOLLOW THE EROSION CONTROL SPECIFICATIONS FOR CONSTRUCTION EROSION CONTROL INSPECTION AND MAINTENANCE.****

Always a Better Plan

100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
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PROJECT INFORMATION

PROPOSED BUILDING ADDITION TO:
KUNES FOX VALLEY RV
26915 WEST AMERICAN DRIVE • TOWN OF CLAYTON, WI

PROFESSIONAL SEAL

PRELIMINARY DATES

NOV. 6, 2023
NOV. 10, 2023
NOV. 16, 2023
DEC. 7, 2023
JAN. 5, 2024
JAN. 12, 2024

JOB NUMBER

230322300

SHEET NUMBER

C2.0

NOT FOR CONSTRUCTION



PROJECT INFORMATION

PROPOSED BUILDING ADDITION TO:
KUNES FOX VALLEY RV
26915 WEST AMERICAN DRIVE • TOWN OF CLAYTON, WI

PROFESSIONAL SEAL

PRELIMINARY DATES

NOV. 6, 2023

NOT FOR CONSTRUCTION

JOB NUMBER

230322300

SHEET NUMBER

C3.1



D-Series Size 1

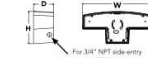
LED Wall Luminaire

Width: 13-3/4"
(34.9 cm)

Depth: 10"
(25.4 cm)

Height: 6-3/8"

Back Box (BBW, E20WC)		
Width:	13-3/4" (34.9 cm)	BBW Weight:
Depth:	4" (10.2 cm)	E20WC Weight:
Height:	6-3/8"	



Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

Series	LEDs	Drive Current	Color Temperature	Distribution	Voltage	Mounting	Control Options
DS921 LED	1W (10 LEDs per engine)	350 530 700 mA	30K 40K 4000K	72S 72S 72S	100V ¹ 120V ¹ 208V ¹	Shipped in bulk (bulk) Solder mounting	FE DMS
		700 1000 mA (1.4 A)	40K 4000K	72S 72S	208V ¹ 240V ¹	EW Solder-mounted but can be solder-free ²	FE DMS
			phosphor converted	16S 16S	277V ² 347V ²		FE DMS
	2W (10 LEDs per engine)	700 1000 mA	30K 40K 4000K	72S 72S 72S	100V ¹ 120V ¹ 208V ¹	Shipped in bulk (bulk) Solder mounting	FE DMS
		700 1000 mA	40K 4000K	72S 72S	208V ¹ 240V ¹	EW Solder-mounted but can be solder-free ²	FE DMS
			phosphor converted	16S 16S	277V ² 347V ²		FE DMS
DS922 LED	1W (10 LEDs per engine)	350 530 700 mA	30K 40K 4000K	72S 72S 72S	100V ¹ 120V ¹ 208V ¹	Shipped in bulk (bulk) Solder mounting	FE DMS
		700 1000 mA	40K 4000K	72S 72S	208V ¹ 240V ¹	EW Solder-mounted but can be solder-free ²	FE DMS

Other Options

Shipped installed		Shipped separately ¹⁾		DOBXD Dark bronze		DOSXD Sandstone		DWHGXD Textured white	
SF	Single hose (120, 277 or 347V) ^{1,10)}	BSW	Bird-deterrent spikes	DBLXD	Black	DOBTKD	Textured dark bronze	DSSTKD	Textured sandstone
DF	Double hose (208, 240 or 480V) ^{1,10)}	VG	Vandal guard	DNAXD	Natural aluminum	DBLEXD	Textured black		
HS	House-side shield ¹⁾	DGL	Diffused drop lens	DWHXKD	White	DNATXD	Textured natural aluminum		

Accessories


DS90LV08	House side (left eye per light engine)	<p>1 Single driver operates on any line voltage from 120-277 V (50/60 Hz).</p> <p>2 Input voltage (V_I) requires 120, 277 or 347 volt age option. Double fuse requires 20C, 240 or 480 voltage option.</p> <p>3 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.</p>	<p>4 Conduct inter applications. Not available with B&W mounting option.</p> <p>5 Not available with fusing. Not available with 347 or 480 voltage options.</p> <p>6 Emergency component located in back box housing. Emergency mode IES files located on product page at www.iesna.com.</p>
DS90LV09	Left distant optics	<p>7 Not available with SPD.</p> <p>8 Not available with E20WC.</p>	
DS90LV10	Right hand accessory	<p>9 Back box optics installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.</p>	<p>10 Also available as a separate accessory; see Accessories information.</p>

1	20C 1000 is not available with PIR, PIRH, PIRF3C or PIRF3C3	8	Same as old ELCC. Cold weather (-20C) rated. Not compatible with conductive applications. Not available with HIR mounting options.
2	MHCT driver operates on any voltage from 120-277V (50/60 Hz). 120V line output requires 120V or 277V voltage. Double line output requires 208V or 240V voltage.	9	Not available with 340 or 440 voltage options.
3	PIR requires 208V or 240V voltage. Not available with PIR or PIRH	10	Not available with 340 or 440 voltage options.
4	Only back chips installed on 1000W. Cannot be field installed. Cannot be used with motion/ambient light sensors or PIRHs	11	Not available as a separate accessory: see Accessories information
5	Photocell (PIR requires 120, 208, 240, 277 or 340 voltage option. Not available with motion/ambient light sensors or PIRHs)	12	Not available with 340 or 440 voltage options.
6	Reference Motion Sensor table on page 37		



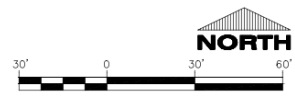
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DSXW1-LED
Rev. 1/18/22

Schedule									
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	WP1	4	Lithonia Lighting	DSXWL1 LED LDC 1000 40K T17M WGLUT	DSXWL1 LED WITH (1) 10 LED LIGHT ENGINE, 1" TYPE T17M OPTIC, 4000K, @ 1000mA,	1	3945	1	38,8

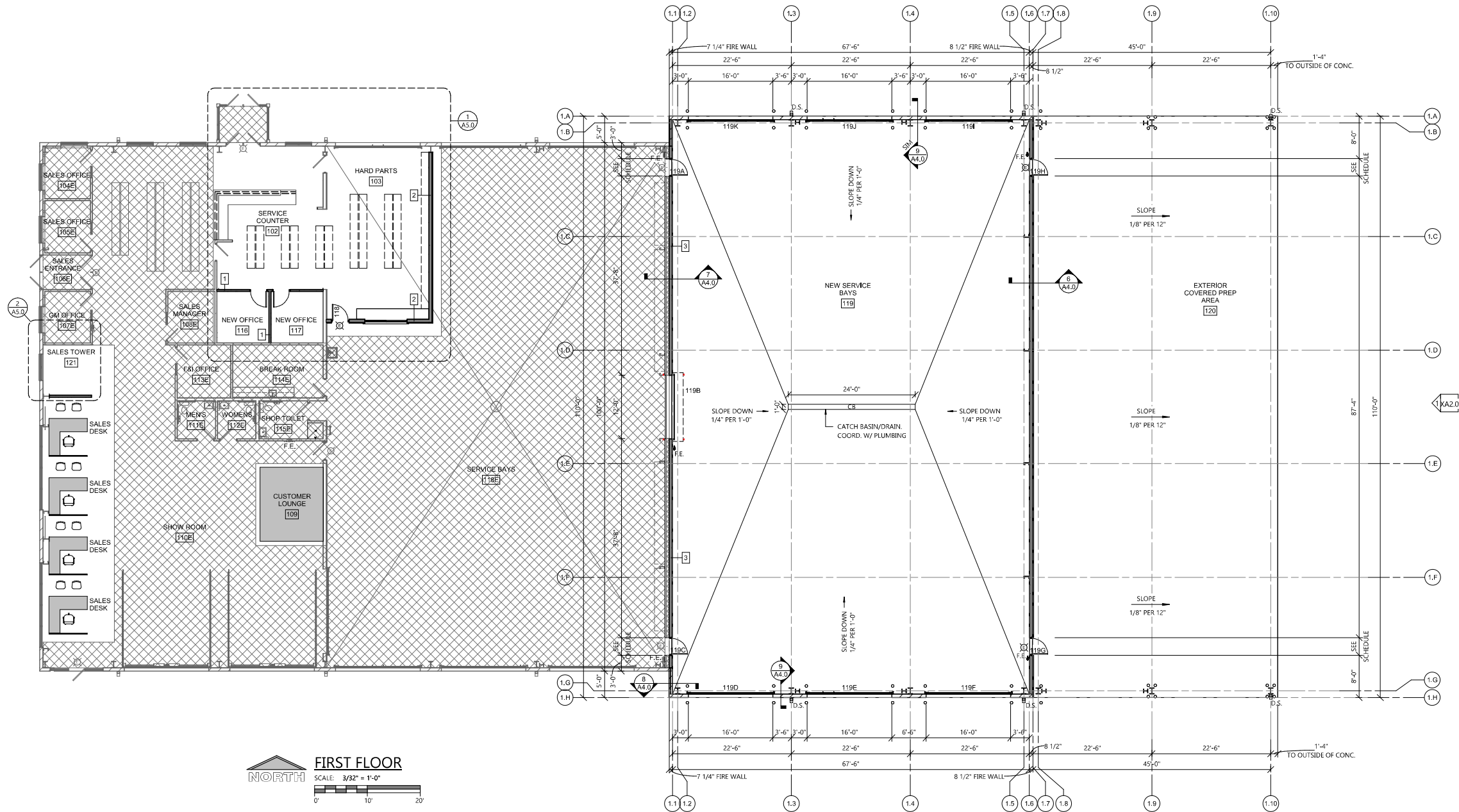
Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.2 fc	3.3 fc	0.0 fc	N/A	N/A



CIVIL SITE PHOTOMETRIC PLAN & DETAILS

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1/16/2023 10:28:01 AM



FIRST FLOOR
SCALE: 3/32" = 1'-0"
0' 10' 20'

INTERIOR WALL TYPE LEGEND			
<p>(1) 5/8" LAYER GYPSUM BOARD EACH SIDE OF STUDS (TAPED, MUDDING, AND SANDED TO RECEIVE FINISHES) FILL CAVITY W/ BATT INSULATION 3 5/8" METAL STUDS @ 16" O.C. TO UNDERSIDE OF ROOF DECK ABOVE</p> <p>WALL TYPE 1</p>	<p>(1) 5/8" LAYER GYPSUM BOARD BACK SIDE OF STUDS (TAPED, MUDDING, AND SANDED TO RECEIVE FINISHES) FILL CAVITY WITH BATT INSULATION 6" METAL STUDS @ 16" O.C. TO UNDERSIDE OF ROOF DECK ABOVE 3/4" PLY. SHEATHING 3/4" HAT CHANNEL PREFINISHED METAL LINER PANEL</p> <p>WALL TYPE 2</p>	<p>EXISTING WALL 1" SHEETROCK GYPSUM LINER PANELS 2-1/2" CH STUDS, 20 GA, 24" O.C. (2) TWO LAYERS OF 5/8" SHEETROCK GYPSUM PANELS 3/4" HAT CHANNEL PREFINISHED METAL LINER PANEL</p> <p>WALL TYPE 3</p> <p>2-HR RATED SHAFT WALL - UL U415 UL SYSTEM B</p>	<p>GENERAL NOTES:</p> <ul style="list-style-type: none">ALL INTERIOR WALL TYPES SHALL BE CONSTRUCTED TO EXTEND TO UNDERSIDE OF ROOF DECK (UNLESS NOTED OTHERWISE ON PLANS)MATERIALS SHOWN IN WALL TYPES EXTEND FULL HEIGHT (UNLESS NOTED OTHERWISE ON PLANS)SEAL ALL DEMISING WALLS AT JOISTS AND ANY OTHER PENETRATIONS.

GENERAL NOTES
<ul style="list-style-type: none">ALL INTERIOR DIMS. ARE FROM FACE-OF-STUD TO FACE-OF-STUD.ALL INTERIOR WALLS TO BE 3 5/8" OR 6" METAL STUDS @ 16" O.C. (SEE FLOOR PLAN FOR SIZE) W/ 5/8" GYPSUM BOARD BOTH SIDES - EXTEND TO BOTTOM CHORD OF TRUSSES.PROVIDE 3 1/2" SOUND BATT INSULATION AROUND PERIMETER OF OFFICE WALLS.PROVIDE WOOD BLOCKING FOR ANY FURNISHINGS BY OWNER. (VERIFY LOCATIONS)SEE SHEET A4 FOR TYPICAL CONTROL JOINT DETAILS.SEE SHEET A5 FOR TYPICAL GUARD POST DETAILS.ALL CABINETS AND COUNTERTOPS TO HAVE PLASTIC LAMINATE FRONTS AND TOPS.

SALES & SERVICE COUNTERS
<p>IN RETAIL STORES WHERE COUNTERS HAVE CASH REGISTERS AND ARE PROVIDED FOR SALES OR DISTRIBUTION OF GOODS OR SERVICES TO THE PUBLIC, AT LEAST ONE OF EACH TYPE SHALL HAVE A PORTION OF THE COUNTER WHICH IS AT LEAST 36" IN LENGTH WITH A MAXIMUM HEIGHT OF 36" ABOVE THE FINISH FLOOR. COUNTER SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH A.D.A. GUIDELINE 4.3.</p>

SYMBOLS LEGEND
<p>INTERIOR WALL TYPES - SEE A4 FOR EXTERIOR WALL TYPES</p>
<p>EXIT SIGNAGE</p>
<p>FIRE EXTINGUISHER -SEE A5 SHEETS</p>
<p>FIRE EXTINGUISHER W/ CABINET -SEE A5 SHEETS</p>
<p>GUARD POST/GOAL POST DESIGNATION -SEE SHEET A5 FOR DETAILS</p>
<p>EXISTING WALL TO REMAIN</p>
<p>STUD WALL</p>
<p>C.M.U. WALL</p>
<p>EXISTING DOOR TO REMAIN</p>
<p>NEW DOOR</p>
<p>EXISTING AREA - NO SCOPE OF WORK</p>

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JOB NUMBER
230322300

SHEET NUMBER
A1.1

NOT FOR CONSTRUCTION

FIRST FLOOR PLAN



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NOV. 6, 2023

JOB NUMBER

230322300

SHEET NUMBER

XA2.0

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EXTERIOR FINISH KEY

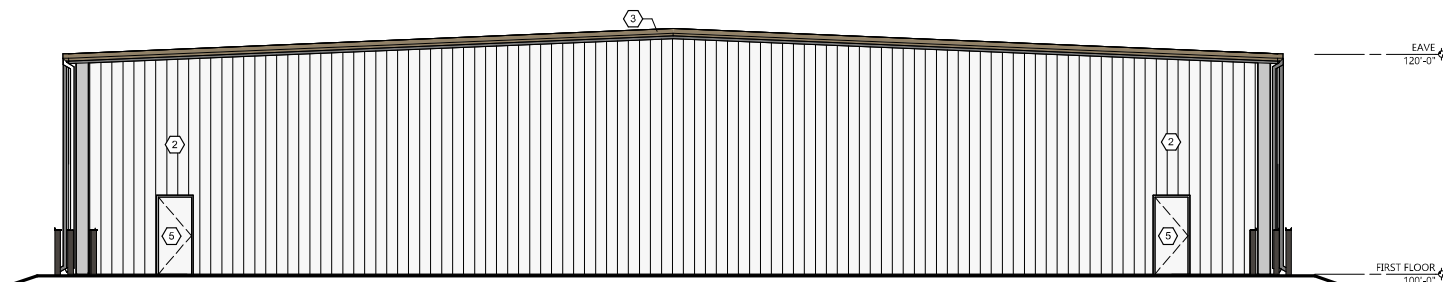
6	INSULATED METAL OVERHEAD DOOR COLOR TO MATCH EXISTING
5	PAINTED HOLLOW METAL DOOR AND FRAME
4	24 GA. PREFINISHED METAL ROOF PANELS
	NOT USED
3	PREFINISHED METAL RAKE TRIM COLOR: MATCH EXISTING
2	26 GA. PREFINISHED ARCH. METAL WALL PANEL MFR: AMERICAN OR EQUIVALENT COLOR: MATCH EXISTING
1	CMU BLOCK MFR: OLD CASTLE OR EQUAL COLOR: TO MATCH EXISTING MFR. COLORS

*ALL COLORS TO MATCH EXISTING *



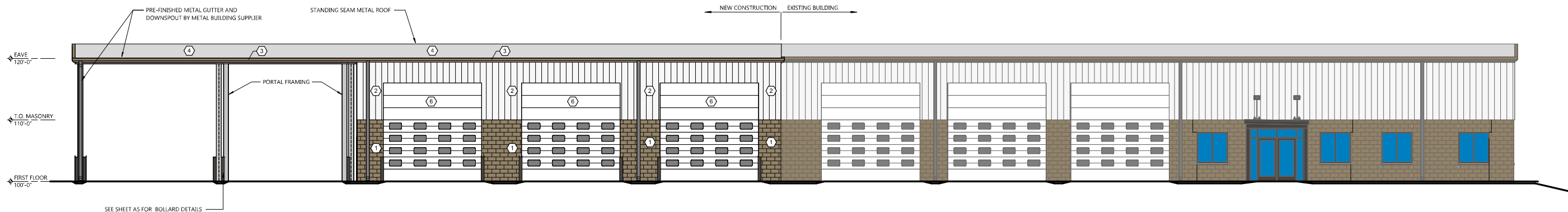
WEST ELEVATION

SCALE: 1/8" = 1'-0"



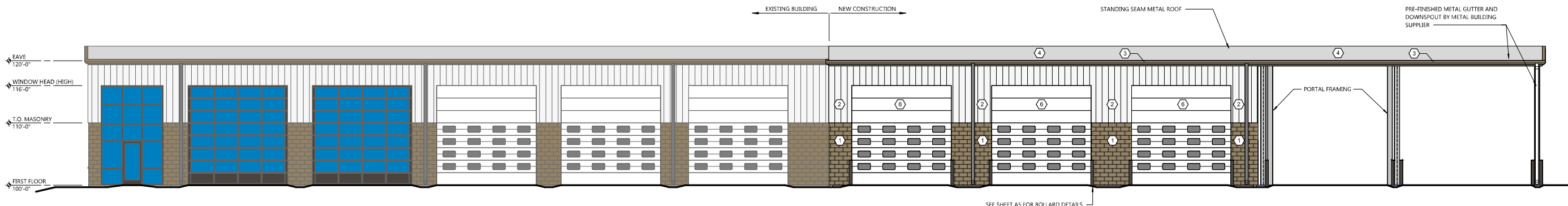
EAST ELEVATION

SCALE: 1/8" = 1'-0"



NORTH ELEVATION

SCALE: 1/8" = 1'-0"



SOUTH ELEVATION

SCALE: 1/8" = 1'-0"

COLORS ELEVATIONS