



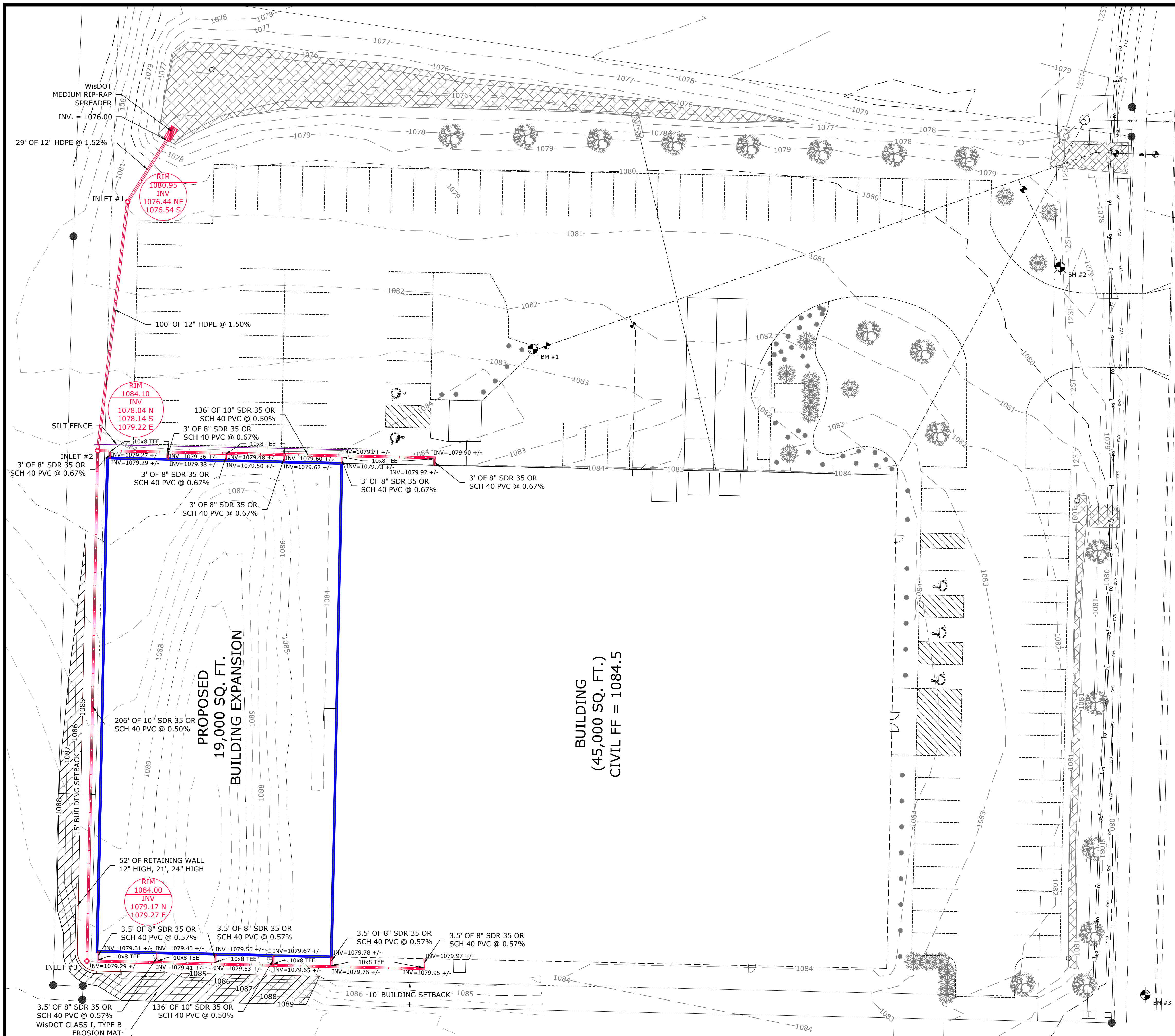
DATE: 10/03/2024

DESIGNED: KD

DRAFTED: JM

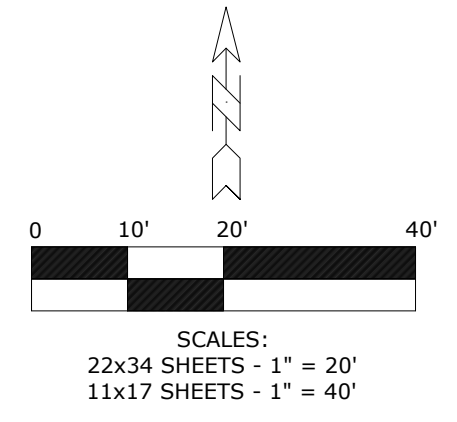
PROJECT #: 22-019

SHEET 1
 OF 2



- SITE DETAILS:**
1. ORIGINALLY PLANNED IMPERVIOUS SURFACE AREA = 107,250 SQ. FT. OR 65.0%
 2. CURRENT IMPERVIOUS SURFACE AREA = 93,834 SQ. FT. OR 56.9%
 3. BUILDING ADDITION IMPERVIOUS AREA = 19,000 SQ. FT.
 4. NEW TOTAL IMPERVIOUS AREA W/ BUILDING ADDITION AREA = 112,834 SQ. FT. OR 68.4%
 5. TOTAL EXISTING PARKING STALLS = 109 W/ 5 ADA ACCESSIBLE

- LEGEND**
- PROPOSED CONTOUR
 - EXISTING CONTOUR
 - BUILDING FOOTPRINT
 - EXISTING TREE
 - EXISTING BENCHMARK ELEVATION
 - EXISTING UTILITY POLE AND LINES
 - EXISTING STORM INLET
 - EXISTING MANHOLE
 - EXISTING WATER VALVE
 - EXISTING WATERMAIN REDUCER
 - EXISTING FIRE HYDRANT
 - EXISTING WATERMAIN TEE
 - EXISTING WATERMAIN CROSS
 - EXISTING WATERMAIN AND SIZE
 - EXISTING LIGHT POLES
 - EXISTING SANITARY SEWER AND SIZE
 - EXISTING STORM SEWER AND SIZE
 - EXISTING GAS MAIN
 - EXISTING TELEPHONE
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING FIBER OPTIC
 - EXISTING FORCEMAIN AND SIZE
 - EXISTING TELEPHONE PEDESTAL
 - EXISTING ELECTRIC PEDESTAL
 - EXISTING CABLE PEDESTAL
 - PROPOSED CURB AND GUTTER
 - PROPOSED CONCRETE FLATWORK
 - PROPOSED SANITARY SEWER
 - PROPOSED SANITARY LATERAL W/ CAP
 - PROPOSED MANHOLE
 - PROPOSED WATER VALVE W/ BOX
 - PROPOSED AIR RELEASE VALVE
 - PROPOSED WATERMAIN REDUCER
 - PROPOSED FIRE HYDRANT
 - PROPOSED WATERMAIN TEE
 - PROPOSED WATERMAIN CROSS
 - PROPOSED WATERMAIN
 - PROPOSED WATER SERVICE CURB STOP W/ BOX
 - PROPOSED STORM MANHOLE
 - PROPOSED STORM INLET
 - PROPOSED STORM SEWER
 - PROPOSED STORM SEWER AEW
 - FOUND 3/4" REBAR ROD
 - FOUND 1-1/4" REBAR ROD
 - SILT FENCE
 - EXIST PROPERTY LINES
 - PROPOSED PROPERTY LINES
 - EROSION MAT
 - WisDOT CLASS I, TYPE B



SITE GRADING QUANTITY ESTIMATES:
 APPROX. FILL VOLUME TO FINISH GRADE - 52 CY
 APPROX. CUT VOLUME TO FINISH GRADE - 2,742 CY
 UNDERCUT BLDG AREA TO SUBGRADE - 1,056 CY
 APPROX. EXTRA MATERIAL - 3,746 CY

BENCH MARK TABLE

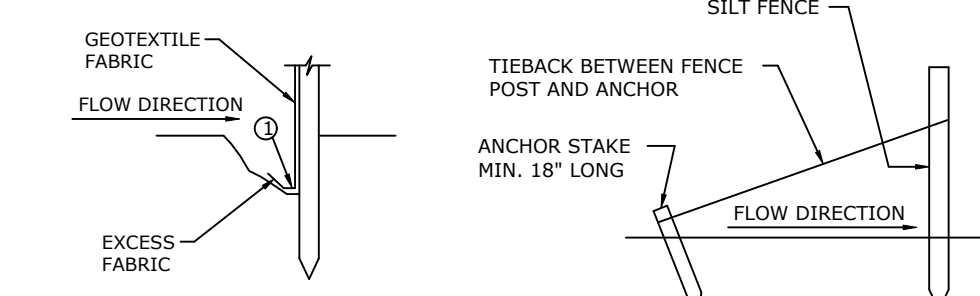
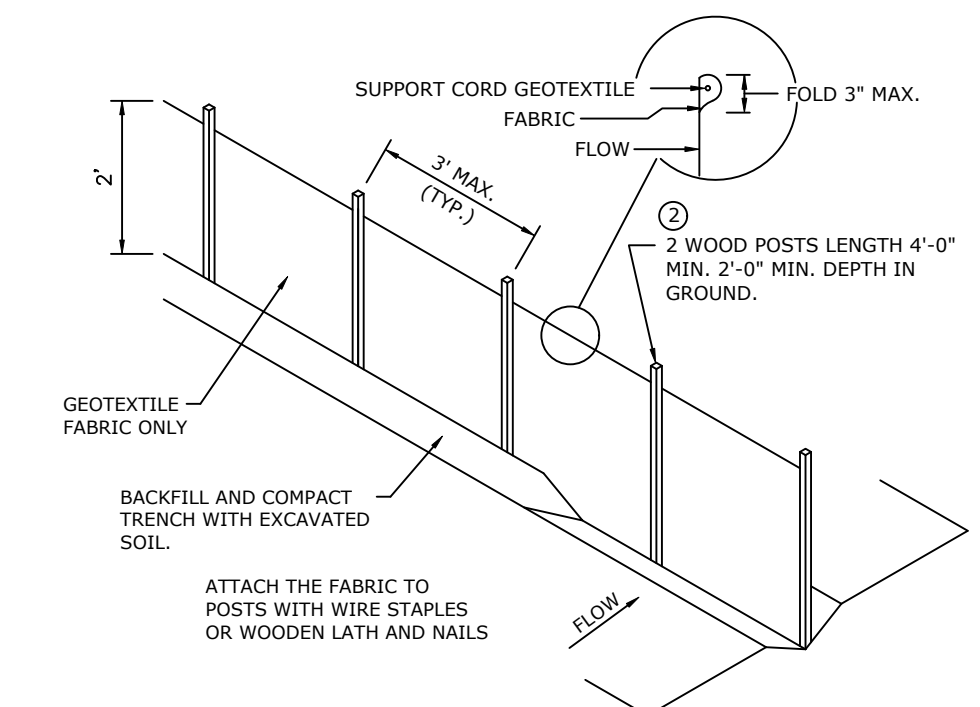
SYMBOL	LABEL	DESCRIPTION	ELEVATION	NORTHING	EASTING
	BM #1	TOP OF HYDRANT IN PARKING LOT NORTH OF BLDG	1085.66'	458893.086	798335.627
	BM #2	TOP OF HYDRANT NORTHEAST CRNR OF PARKING LOT	1081.75'	458927.456	798548.252
	BM #3	TOP OF HYDRANT SOUTHEAST CRNR OF BLDG	1081.64'	458631.459	798583.390

EROSION CONTROL NOTES:

- CONTRACTOR SHALL HAVE ALL EROSION CONTROL MEASURES IN PLACE AND APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF EXCAVATION AND ACTIVITIES.
- EROSION CONTROL MEASURES SHALL COMPLY WITH WISCONSIN ADMINISTRATIVE CODE, COMM CHAPTER 21, UNIFORM DWELLING CODE, AND CHAPTER 65 COMMERCIAL CONSTRUCTION.
- ALL SILT FENCES SHALL BE INSPECTED DAILY. CLEANING, ADJUSTING AND REPLACING EROSION CONTROL MEASURES SHALL BE DONE AS NECESSARY THROUGHOUT CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORK DAY.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PER THE DETAILS IN LOCATIONS DESIGNATED ON THE PLANS, OR AS MAY OTHERWISE BE DIRECTED BY THE ENGINEER.
- SEDIMENT FROM OVERLAND FLOW SHALL BE PREVENTED FROM LEAVING THE WORK SITE BY INSTALLING SILT FENCING PARALLEL TO THE CONTOURS LOCATED DOWNHILL OF THE WORK SITE.
- EXISTING VEGETATION SHALL BE REMOVED ONLY TO THE EXTENT NECESSARY TO PERFORM CONSTRUCTION ACTIVITIES. CLEARING OF AREAS THAT ARE CLEARLY OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE PERMITTED.
- MAINTAIN ALL EROSION CONTROL MEASURES UNTIL ALL DISTURBANCE IS COMPLETED. DO NOT REMOVE EROSION CONTROL MEASURES UNTIL AT LEAST 70% OF THE AREA SERVED HAS ESTABLISHED A UNIFORM, VIGOROUS VEGETATED COVER.
- STONE MATS SHALL BE INSTALLED AT ALL CONSTRUCTION SITE EXITS TO PREVENT TRACKING OF SOIL ONTO PUBLIC ROADWAYS. ANY TRACKED SOIL SHALL BE REMOVED BY MECHANICAL STREET CLEANING AT THE END OF EACH DAY. ADD NEW STONE TO THE TOP IF OLD STONE BECOMES DIRT COVERED.
- ALL DISTURBED AREAS SHALL BE RESTORED AND VEGETATED AS SOON AS POSSIBLE AFTER DISTURBANCE. IN GENERAL, STABILIZATION OF DISTURBED AREAS SHALL BE COMPLETED WITHIN 30 DAYS OF THE INITIAL DISTURBANCE, OR WITHIN 7 DAYS OF FINAL GRADING AND TOPSOIL PLACEMENT.
- REFER TO THE DNR TECHNICAL STANDARDS AVAILABLE AT [HTTP://WWW.DNR.STATE.WISCONSIN.GOV/WATER/WM/NPS/STORMWATER/TECHSTDS.HTM](http://www.dnr.state.wisconsin.gov/water/wm/nps/stormwater/techstds.htm).
- CONTRACTOR SHALL WATER NEWLY SEEDED AREAS IF 7 DAYS PASS WITHOUT A RAINFALL DURING THE FIRST 6 WEEKS AFTER INITIAL STABILIZATION.
- MULCHING OF DISTURBED AREAS SHALL BE AT A RATE OF 2 TONS PER ACRE. MULCH SHALL BE ANCHORED INTO THE SOIL BY DISCING.
- AFTER ATTEMPTS TO STABILIZE DISTURBED AREAS WITH SEEDING AND MULCH FAIL, THOSE AREAS SHALL BE TEMPORARILY STABILIZED USING POLYACRYLAMIDE UNDER DIRECTION OF THE ENGINEER.
- A MINIMUM OF ONE EROSION CONTROL INSPECTION SHALL BE PERFORMED EACH WEEK, AND ONE INSPECTION SHALL BE PERFORMED AFTER ANY RAINFALL EVENT OF 0.5" OR GREATER. ALL REPAIRS OR MODIFICATIONS SHALL BE COMPLETED WITHIN 24 HOURS OF THE INSPECTION.

SITE RESTORATION CONSTRUCTION NOTES:

- WORK SHALL CONFORM TO THE "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION", OF STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION, 2024 EDITION.
- FERTILIZER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND SHALL CONFORM TO THE REQUIREMENTS SPECIFIED; FERTILIZER SHALL HAVE A 20-10-10 RATIO OF NITROGEN, PHOSPHORIC ACID AND POTASH.
- STRAW MULCH OVER NEW SEEDING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AT A RATE OF 2 TONS/ACRE AND SHALL CONFORM TO THE REQUIREMENTS SPECIFIED IN SECTION 627 OF THE STATE SPECIFICATIONS. ALL MULCH SHALL BE STABILIZED BY ANCHORING. THIS CAN BE ACHIEVED BY LIGHT DISCING.
- ENGINEER WILL MAKE PERIODIC ON-SITE OBSERVATIONS OF THE WORK IN PROGRESS.



TRENCH DETAIL
SILT FENCE TIE BACK
(WHEN REQUIRED BY ENGINEER)

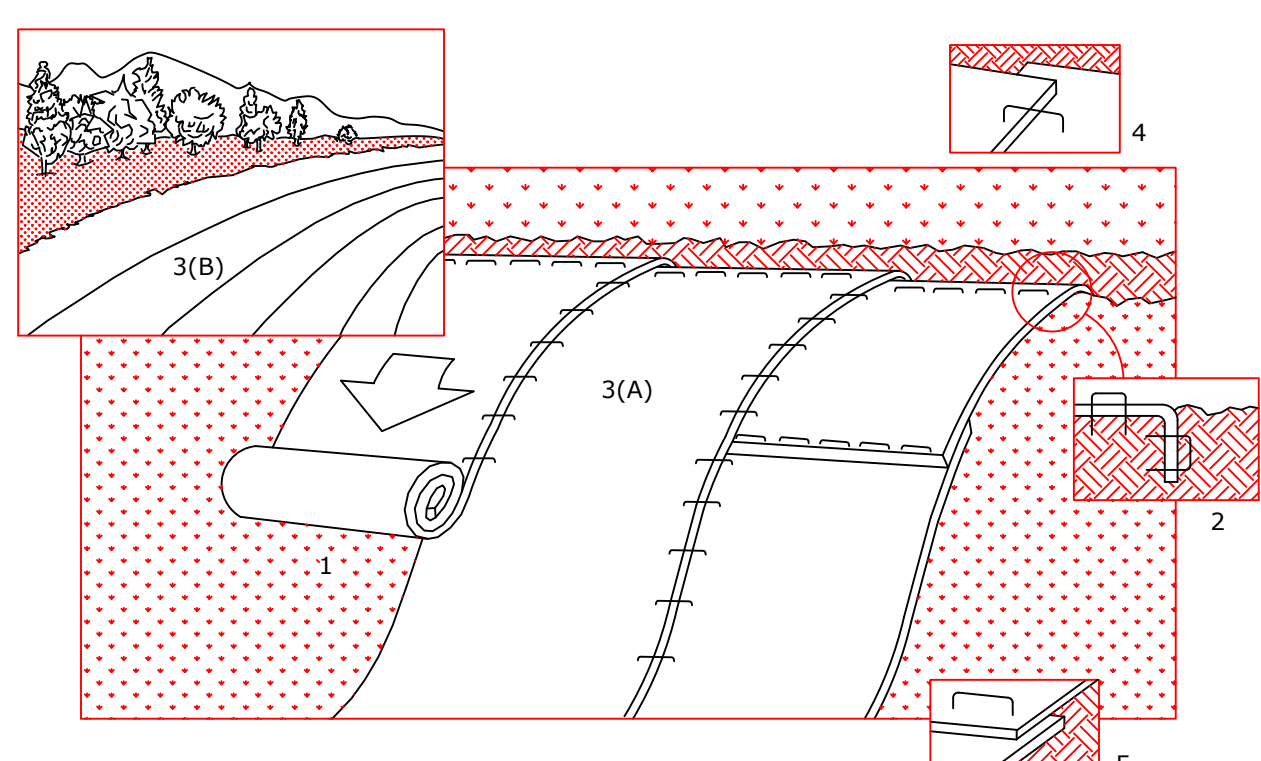
NOTE: 8' SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

GENERAL NOTES

- TRENCH SHALL BE MINIMUM OF 4" WIDE X 6" 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 1/8" x 1 1/8" OF OAK OR HICKORY.

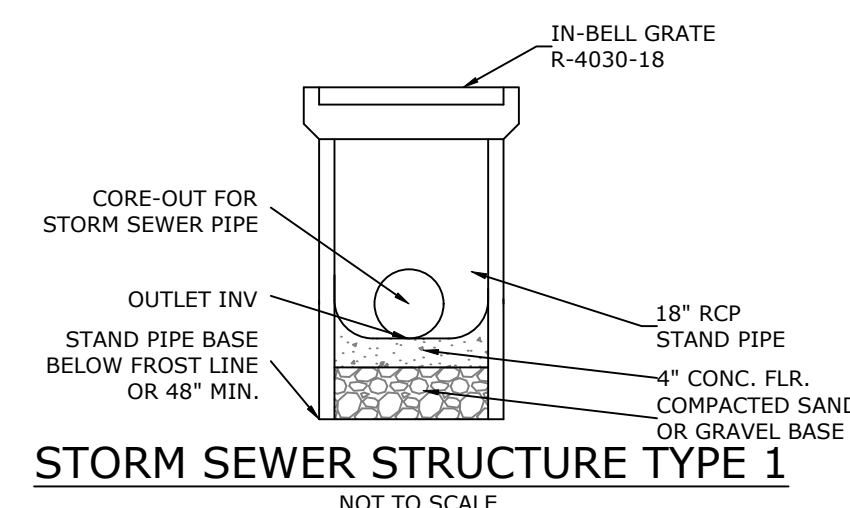
SILT FENCE DETAIL
NOT TO SCALE

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS.
NOTE: AT LOCATIONS AS DIRECTED BY ENGINEER



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

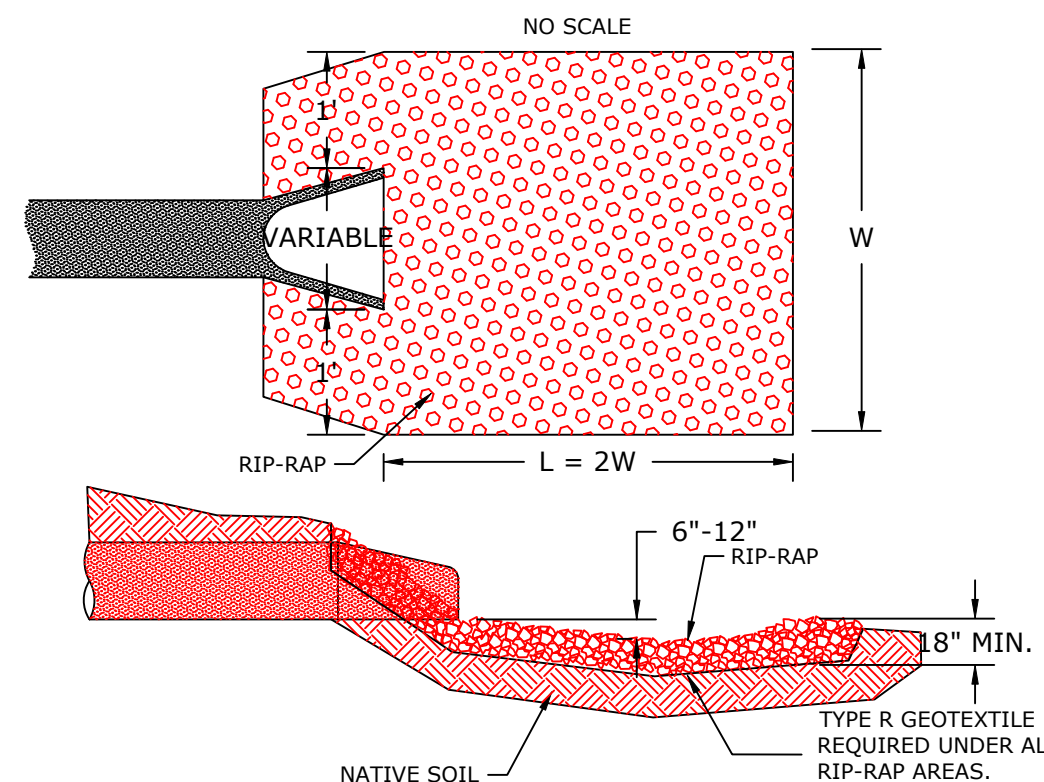
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
- ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
- EROSION MAT SHALL BE WISDOT CLASS I, TYPE A FOR ALL AREAS OF 3:1 SLOPE AND LESS; EROSION MAT SHALL BE WISDOT CLASS III, TYPE A FOR AREAS WITH SLOPE STEEPER THAN 3:1.



STORM SEWER STRUCTURE TYPE 1
NOT TO SCALE



STORM SEWER FRAME TYPE 1 (R-4030-24)
NOT TO SCALE



ENDWALL RIP-RAP DETAIL
NOT TO SCALE

Storm Sewer Structure Elevations Detail Table							
SS Inlet #	Frame Typ	Structure Typ	TOC/Rim	Outlet INV	Outlet Pipe	Inlet INV	Inlet Pipe
1	1	1	1080.95	1076.44	12" HDPE	1076.54	12" HDPE
2	1	1	1084.10	1078.04	12" HDPE	1078.14	10" PVC
			-----	-----	-----	1079.27	10" PVC
3	1	1	1084.00	1079.17	10" PVC	1079.27	10" PVC
Frame Type 1: R-4030-18 Sewer Pipe Grate							
Structure Type 1 = 18" Stand Pipe							

EROSION CONTROL MAT - SLOPE INSTALLATION

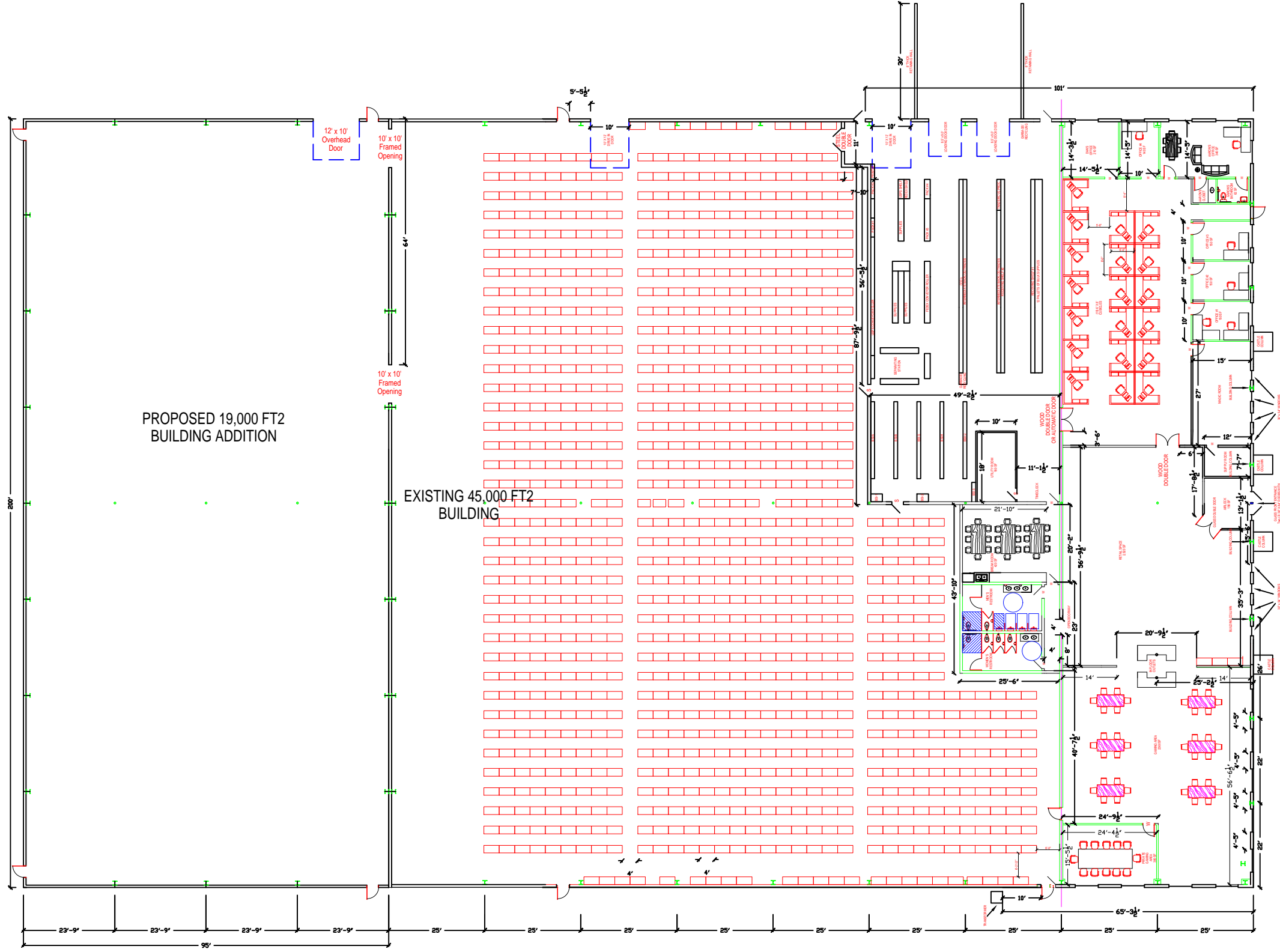
REVISIONS

NOBLE KNIGHT GAMES
BUILDING ADDITION
CITY OF FITCHBURG, DANE COUNTY, WI
DETAILS



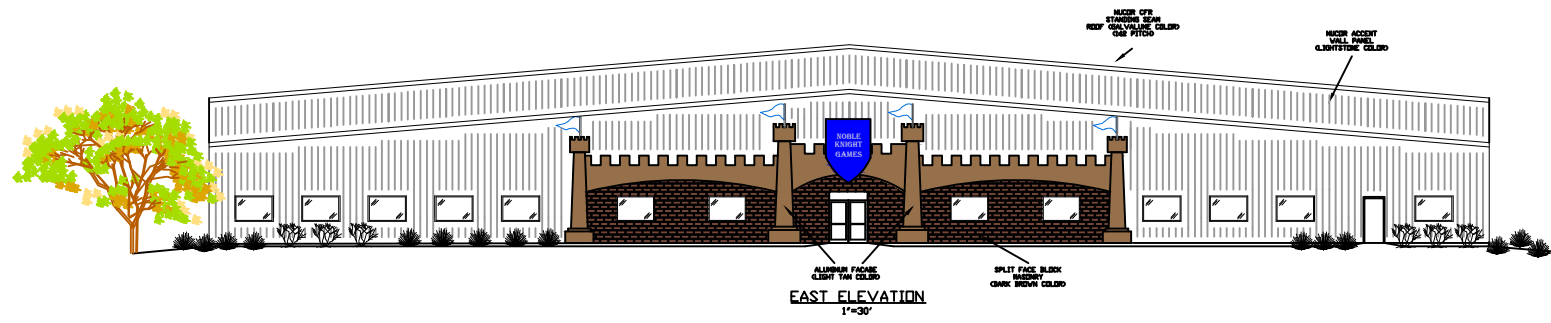
vierbicher
planners | engineers | advisors

DATE: 10/03/2024
DESIGNED: KD
DRAFTED: JM
PROJECT #: 22-019
SHEET 2
OF 2

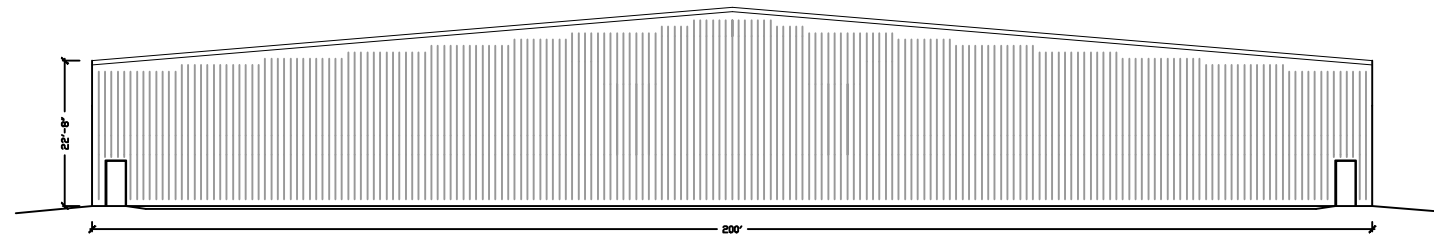


FLOOR PLAN
1"=30'

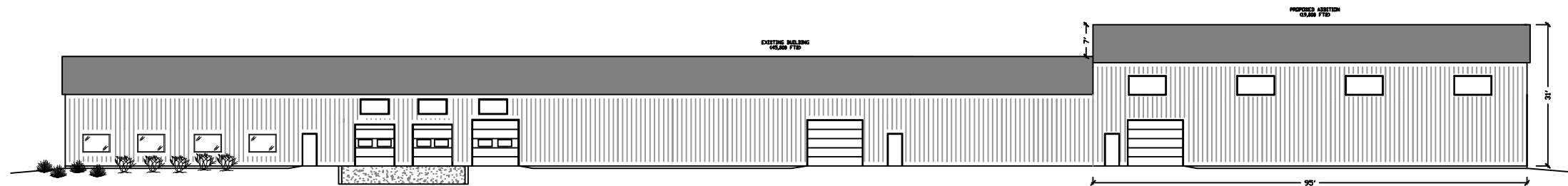
FLOOR PLAN	JOB NO.
NOBLE KNIGHT GAMES	DATE 12/2/2024
FITCHBURG, WI	SCALE AS SHOWN
	DR. BY. JAD



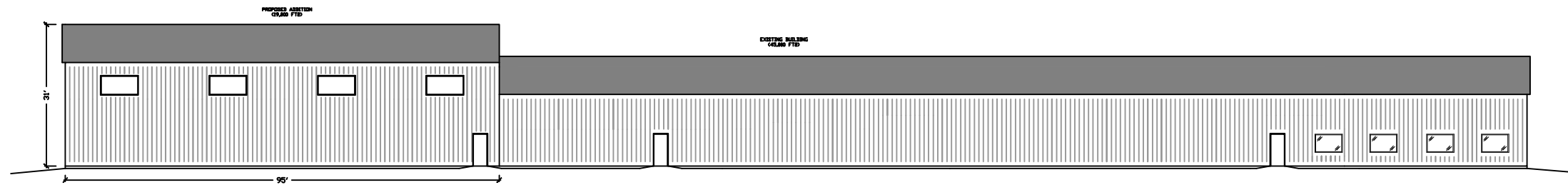
EAST ELEVATION
1"=30'



WEST ELEVATION
1"=30'

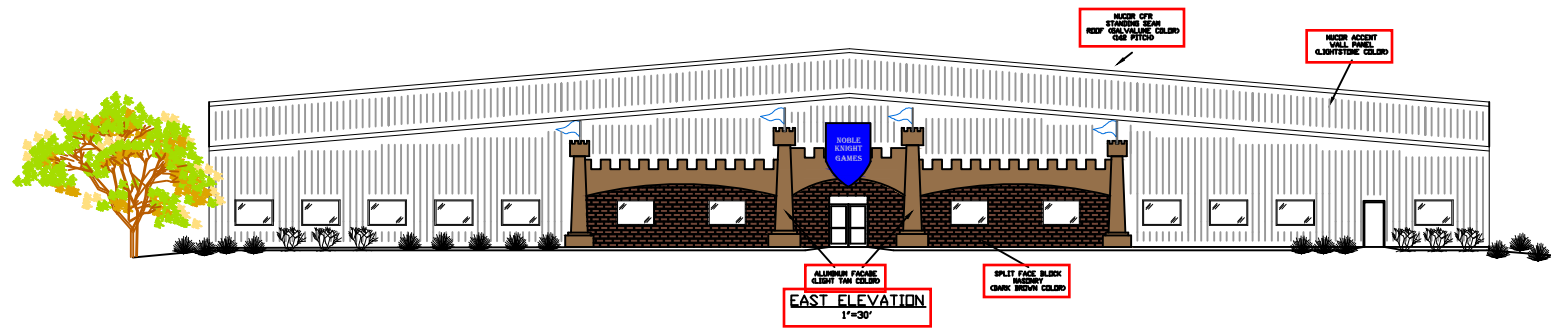


NORTH ELEVATION
1"=30'

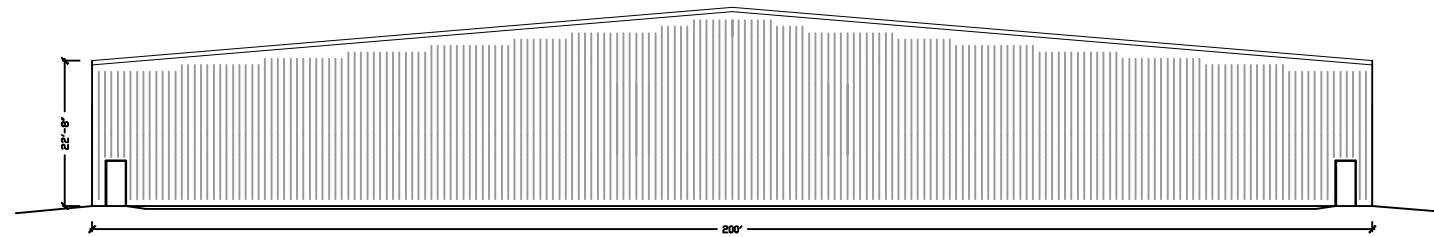


SOUTH ELEVATION
1"=30'

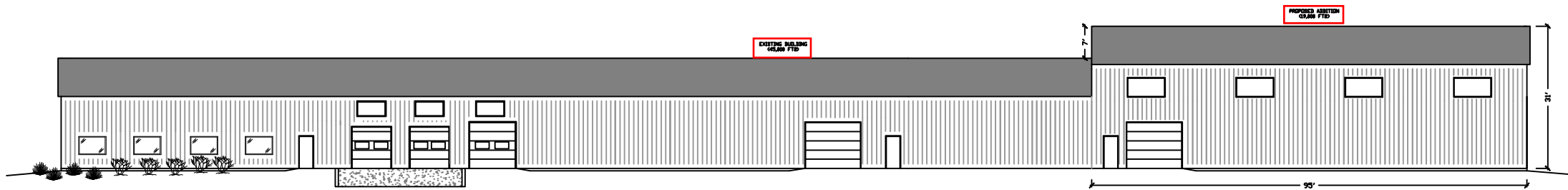
<p>2342 HWY AB MCFARLAND WIS. 53558 (608)838-8213</p>	
<p>ELEVATIONS</p>	
<p>NOBLE KNIGHT GAMES</p>	
<p>FITCHBURG, WI</p>	
JOB NO.	DATE
12/12/24	12/12/24
SCALE	DR. BY.
AS SHOWN	JAD



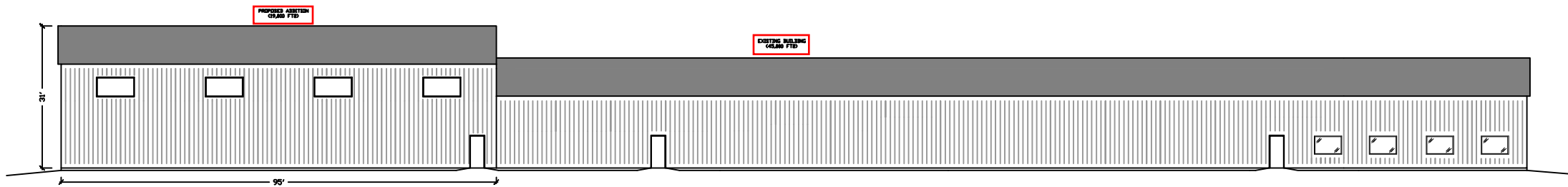
EAST ELEVATION
1"=30'



WEST ELEVATION
1"=30'



NORTH ELEVATION
1"=30'



SOUTH ELEVATION
1"=30'

JOB NO.	DATE	SCALE	DR. BY.
	12/12/24	AS SHOWN	JAD

ELEVATIONS
NOBLE KNIGHT GAMES
FITCHBURG, WI